AGENDA
CITY OF CEDAR FALLS, IOWA
CITY COUNCIL MEETING
MONDAY, OCTOBER 17, 2022
7:00 PM AT COMMUNITY CENTER, 528 MAIN STREET

Call to Order by the Mayor

Roll Call

Pledge of Allegiance

Approval of Minutes

1. Regular meeting of October 3, 2022.

2. Special meeting of September 26, 2022.

Agenda Revisions

Special Presentations

3. Proclamation recognizing October 19, 2022 as Gentleman Day.

4. Proclamation recognizing October 22, 2022 as Altrusa Make A Difference Day.

Public Forum. (Speakers will have one opportunity to speak for up to 5 minutes on topics relevant to City business.)

Staff Updates

Special Order of Business

5. Public hearing on proposed amendments to Section 18-23(5) and Section 26-4(c) of the Code of Ordinances relative to voting threshold required to override Planning and Zoning Commission.

   a) Receive and file proof of publication of notice of hearing. (Notice published October 7, 2022)

   b) Written communications filed with the City Clerk.

   c) Staff comments.

   d) Public comments.

   e) Pass an ordinance amending Section 18-23(5), Powers and duties of the Planning and Zoning Commission, of the Code of Ordinances relative to removing 2/3 majority vote required by City Council to approve amendments to the City's comprehensive plan that are disapproved by the Planning and Zoning Commission, upon its first consideration.

   f) Pass an ordinance amending Chapter 26, Zoning, of the Code of Ordinances relative to removing the 2/3 majority vote required by City Council to approve zoning amendments that are disapproved by the Planning and Zoning Commission, upon its first consideration.

Old Business

6. Pass Ordinance #3018, amending Chapter 24, Utilities, of the Code of Ordinances relative to establishing the 27th Street Sanitary Sewer Extension District, upon its second consideration.

Consent Calendar: (The following items will be acted upon by voice vote on a single motion without separate discussion, unless someone from the Council or public requests that a specific item be considered separately.)

7. Receive and file the City Council Standing Committee minutes of October 3, 2022 relative to the following items.
a) Review of Fireworks Ordinance.

8. Receive and file the resignation of LeaAnn Saul as a member of the Planning & Zoning Commission.

9. Approve the following recommendations of the Mayor relative to the appointment of members to Boards and Commissions:
a) Brad Leeper, Planning & Zoning Commission, term ending 11/01/2027.
b) Oksana Grybovych Hafermann, Planning & Zoning Commission, term ending 11/01/2027.

10. Receive and file a communication from the Civil Service Commission relative to the certified list for the position of Horticulturist in the Public Works Department.

11. Receive and file the FY2022 Annual Report of the Cedar Falls Human Rights Commission.

12. Approve the application of Great Wall China, 2125 College Street, Suite D, for a cigarette/tobacco/nicotine/vapor permit.

13. Approve the following applications for beer permits and liquor licenses:
a) Hilton Garden Inn, 7213 Nordic Drive, Class B liquor, Class B native wine & outdoor service - renewal.
b) Fareway Store, 4500 South Main Street, Class E liquor – renewal.
c) Great Wall of China, 2125 College Street, Class C beer & Class B wine - new.

Resolution Calendar: (The following items will be acted upon by roll call vote on a single motion without separate discussion, unless someone from the Council or public requests that a specific item be considered separately.)

14. Resolution approving and adopting amendments to certain Personnel Policies for the City of Cedar Falls.

15. Resolution approving and adopting the rate of $3.89 per $1,000 taxable value for the Downtown Cedar Falls Self-Supported Municipal Improvement District (SSMID) for FY24.

16. Resolution approving a College Hill Neighborhood (CHN) Overlay Zoning District site plan for relocation of a garage to 1214 West 20th Street.

17. Resolution approving and accepting four Warranty Deeds, one Release of Real Estate Mortgage, and four Flood Mitigation Deed Restrictions, in conjunction with the Northern Cedar Falls Flood Buyout Program.

18. Resolution approving and authorizing execution of a Demolition Project Contract with Lehman Trucking & Excavating Inc., in conjunction with the Northern Cedar Falls Flood Buyout Program.

19. Resolution approving and authorizing execution of one Owner Purchase Agreement; and approving and accepting one Temporary Construction Easement, in conjunction with the Main Street Reconstruction (6th Street to University) Project.

20. Resolution receiving and filing, and setting November 7, 2022 as the date of public hearing on the proposed plans, specifications, form of contract & estimate of cost for the Main Street Reconstruction Project.

21. Resolution receiving and filing, and setting November 7, 2022 as the date of public hearing on the proposed plans, specifications, form of contract & estimate of cost for the Cedar River Recreational Improvements Project.

22. Resolution setting November 7, 2022 as the date of public hearing on a proposal to vacate a portion of sanitary sewer easement located at 3718 Apollo Lane.

23. Resolution setting November 7, 2022 as the date of public hearing on the City's FFY21 Consolidated Annual Performance and Evaluation Report (CAPER) for the Community Development Block Grant (CDBG) and HOME Programs.

24. Resolution setting November 7, 2022 as the date of public hearing on proposed amendments to Chapter 26, Zoning, of the Code of Ordinances relative to eliminating the shared parking requirement and increasing residential parking requirements in the Downtown Character District (CD-DT) to one parking space per bedroom.

Ordinances

25. Pass an ordinance amending Chapter 16, Offenses and Miscellaneous Provisions, of the Code of Ordinances relative to use of consumer fireworks within the City limits, upon its first consideration.

Allow Bills and Claims

26. Allow Bills and Claims for October 17, 2022.

Council Referrals

Council Updates and Announcements

Adjournment

COMMUNITY CENTER
CEDAR FALLS, IOWA, OCTOBER 3, 2022
REGULAR MEETING, CITY COUNCIL
MAYOR ROBERT M. GREEN PRESIDING

The City Council of the City of Cedar Falls, Iowa, met in Regular Session, pursuant to law, the rules of said Council and prior notice given each member thereof, at 7:00 P.M. on the above date. Members present: Schultz, deBuhr, Kruse, Harding, Ganfield, Sires, Dunn (via phone). Absent: None. Cedar Falls Firefighters led the Pledge of Allegiance.

53986 - It was moved by Kruse and seconded by Harding that the minutes of the Regular Meeting of September 19, 2022 be approved as presented and ordered of record. It was then moved by Ganfield and seconded by Harding to amend the motion to correct record #53979 to indicate Sires as a Nay vote instead of Dunn. Motion carried unanimously. The Mayor then put the question on the original motion as amended. Motion carried unanimously.

53987 - The Mayor then asked if there were any agenda revisions. City Clerk Danielsen noted the addition of a proclamation for Energy Efficiency Day on October 5th.

53988 - Mayor Green read the following proclamations:

Proclamation recognizing October 3-7, 2022 as Leader in Me Week. Leader Valley Executive Director Dr. Melissa Reade and Director of Fundraising and Communications Nicole Hackman accepted and commented.

Proclamation recognizing October 9-15, 2022 as Fire Prevention Week. Fire Chief Bostwick accepted and commented.

Proclamation recognizing October 5, 2022 as Energy Efficiency Day. Cedar Falls Utilities Director of Customer Services and Business Development Mike Litterer accepted and commented.

53989 - Linda Minimums, 1626 W Lone Tree Road, commented on parking downtown and requested eliminating parking time limits.

53990 - Public Works Director Schrage provided information on fall yard waste options including reduced yard waste pickup rates every Monday in October and November, leaf vacuum service and the compost facility.

Director Schrage also announced the Main Street Reconstruction Public Information Meeting on Tuesday, October 4, from 5:30-7:00 PM at the Community Center.

53991 - It was moved by Ganfield and seconded by Kruse that Ordinance #3016, amending Chapter 2, Administration, of the Code of Ordinances relative to adoption of revised City Council Meeting Procedures, be passed upon its third and final consideration. Following due consideration by the Council, the Mayor

put the question on the motion and upon call of the roll, the following named Councilmembers voted. Aye: deBuhr, Kruse, Harding, Ganfield, Sires, Dunn, Schultz. Nay: None. Motion carried. The Mayor then declared Ordinance #3016 duly passed and adopted.

53992 - It was moved by Kruse and seconded by Harding that Ordinance #3017, amending Chapter 23, Traffic and Motor Vehicles, of the Code of Ordinances relative to prohibiting parking on portions of Utility Parkway, be passed upon its third and final consideration. Following due consideration by the Council, the Mayor put the question on the motion and upon call of the roll, the following named Councilmembers voted. Aye: deBuhr, Kruse, Harding, Ganfield, Sires, Dunn, Schultz. Nay: None. Motion carried. The Mayor then declared Ordinance #3017 duly passed and adopted.

53993 - It was moved by Ganfield and seconded by Harding that the following items on the Consent Calendar be received, filed and approved:

Receive and file the City Council Standing Committee minutes of September 19, 2022 relative to the following items:
a) Zoning Amendments Voting Threshold.
b) Downtown Public Restroom Study.

Receive and file Departmental Monthly Reports of August 2022.

Receive and file a communication from the Civil Service Commission relative to the certified list for the position of Assistant Public Safety Director/Police Chief.

Approve the application of J & M Displays, Inc. (Holiday Hoopla) for a fireworks display permit for November 25, 2022.

Approve the following applications for beer permits and liquor licenses:
a) Blue Room, 201 Main Street, Class C liquor - renewal.
b) Lark Brewing, 6301 University Avenue, Class C liquor, Special Class A beer & outdoor service – renewal.
c) The Landmark, 107 Main Street, Class C liquor & outdoor service - renewal.
d) Tony's La Pizzeria, 407 Main Street, Class C liquor & outdoor service - renewal.
e) Casey's General Store, 601 Main Street, Class E liquor - renewal.
f) Casey's General Store, 601 Main Street, Class E liquor – change in ownership.
g) Amvets, 1934 Irving Street, Class A liquor & outdoor service - temporary expansion of outdoor service area. (October 1 - November 30, 2022)

Motion carried unanimously.

53994 - It was moved by Harding and seconded by Kruse that the following resolutions be introduced and adopted:

Resolution #22,928, approving and authorizing execution of a contract with the Governor’s Traffic Safety Bureau (GTSB) relative to funding for traffic enforcement and training.

Resolution #22,929, approving and authorizing execution of a License Agreement with Aureon Network Services relative to installing a fiber optic telecommunications system within the public right-of-way of 18th Street, Waterloo Road, and University Avenue.

Resolution #22,930, approving and authorizing execution of a Preconstruction Agreement for Primary Road Project with the Iowa Department of Transportation (IDOT) relative to the Highway 58 & Ridgeway Avenue Reconstruction Project.

Resolution #22,931, approving and adopting payment standards for the Housing Choice Voucher Program relative to the Section-8 Housing Program.

Resolution #22,932, setting October 17, 2022 as the date of public hearing to consider proposed amendments to Section 18-23(5) and Section 26-4(c) of the Code of Ordinances relative to voting threshold required to override Planning and Zoning Commission.

Following due consideration by the Council, the Mayor put the question on the motion and upon call of the roll, the following named Councilmembers voted. Aye: deBuhr, Kruse, Harding, Ganfield, Sires, Dunn, Schultz. Nay: None. Motion carried. The Mayor then declared Resolutions #22,928 through #22,932 duly passed and adopted.

53995 - It was moved by Kruse and seconded by Harding that Ordinance #3018, amending Chapter 24, Utilities, of the Code of Ordinances relative to establishing the 27th Street Sanitary Sewer Extension District, be passed upon its first consideration. Following due consideration by the Council, the Mayor put the question on the motion and upon call of the roll, the following named Councilmembers voted. Aye: deBuhr, Kruse, Harding, Ganfield, Sires, Dunn, Schultz. Nay: None. Motion carried.

53996 - It was moved by Harding and seconded by Ganfield that the bills and claims of October 3, 2022 be allowed as presented, and that the Controller/City Treasurer be authorized to issue City checks in the proper amounts and on the proper funds in payment of the same. Upon call of the roll, the following named Councilmembers voted. Aye: deBuhr, Kruse, Harding, Ganfield, Sires, Dunn, Schultz. Nay: None. Motion carried.

53997 - It was moved by Kruse and seconded by deBuhr to refer to the Finance and Business Operations Committee consideration of revising Council Meeting Procedures to move Council Updates and Announcements ahead of Council Referrals on the agenda. Motion carried 6-1, with Dunn voting Nay.

53998 - Community Development Director Sheetz responded to a request by Councilmember Kruse to include State Legislative changes in information to be presented at the October 17, 2022 public hearing on voting thresholds.

Finance & Business Operations Director Rodenbeck responded to a question by Councilmember Sires regarding Saturday parking enforcement downtown.

53999 - It was moved by Kruse and seconded by Harding that the meeting be adjourned at 7:29 P.M. Motion carried unanimously.

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Jacqueline Danielsen, MMC, City Clerk

COMMUNITY CENTER
CEDAR FALLS, IOWA, SEPTEMBER 26, 2022
SPECIAL MEETING, CITY COUNCIL
MAYOR ROBERT M. GREEN PRESIDING

The City Council of the City of Cedar Falls, Iowa, met in Special Session, pursuant to law, the rules of said Council and prior notice given each member thereof, at 5:00 P.M. on the above date. Members present: Schultz, Kruse (via videoconference), Harding, Ganfield, Sires, Dunn. Absent: deBuhr. Mayor Green led the Pledge of Allegiance.

53984 - It was moved by Ganfield and seconded by Schultz to reconsider action taken on September 19, 2022, relative to approving and authorizing submission of a Railroad Crossing Elimination (RCE) Grant application to the Federal Railroad Administration; and approving and authorizing the local match relative to abandoning and removing the Cedar Falls Rail Spur. Motion carried 5-1, with Sires voting Nay.

It was then moved by Ganfield and seconded by Harding that Resolution #22,927, approving and authorizing submission of a Railroad Crossing Elimination (RCE) Grant application to the Federal Railroad Administration; and approving and authorizing the local match relative to abandoning and removing the Cedar Falls Rail Spur, be adopted. Planner I Sevy, Cedar Falls Utilities Power Supply Manager Tom Risse and Iowa Northern Railway Company General Manager William Magee provided background information and summary of the proposal and responded to questions and comments by Mayor Green and Councilmembers Schultz, Sires, Harding and Ganfield.

Bicycle and Pedestrian Advisory Committee Chair Andrew Shroll spoke in support of the proposal and read a Letter of Support from the Committee.

Duane Hamilton, 1911 Victory Drive, spoke in opposition to the proposal.

Roger White, 2303 Greenwood Avenue, spoke in support of the proposal.

Cedar Falls Utilities Board of Trustees Chair Deb Iehl commented about the cost of transporting coal from Shell Rock.

Following questions and comments by Mayor Green and Councilmembers Schultz, Dunn and Sires, and responses by Mr. Risse and Mr. Magee, the Mayor put the question on the motion and upon call of the roll, the following named Councilmembers voted. Aye: Schultz, Kruse, Harding, Ganfield, Dunn. Nay: Sires. Motion Carried. The Mayor then declared Resolution #22,927 duly passed and adopted.

53985 - It was moved by Harding and seconded by Ganfield that the meeting be adjourned at 6:03 P.M. Motion carried unanimously.

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Jacqueline Danielsen, MMC, City Clerk

MAYOR ROBERT M. GREEN

CITY OF CEDAR FALLS, IOWA
220 CLAY STREET
CEDAR FALLS, IOWA 50613
319-273-8600

GENTLEMAN DAY

OCTOBER 19, 2022

WHEREAS, one in three women will experience domestic violence during her lifetime; and

WHEREAS, intimate partner violence impacts victims, children, family, friends, and the community at large; and

WHEREAS, domestic violence is not confined to any group or groups of people, but is experienced in all economic, racial, ethnic, educational, societal, and religious groups and is sustained by societal indifference; and

WHEREAS, perpetrators of domestic violence should be held accountable for their actions and victims should have access to support and services to help them overcome their experience; and

WHEREAS, it is important to recognize the compassion and dedication of the individuals who provide support to victims of intimate partner violence and work to increase public understanding of this significant problem; and

WHEREAS, only a coordinated effort from all community members will put a stop to this heinous crime;

NOW THEREFORE I, Robert M. Green, Mayor of Cedar Falls, Iowa do hereby proclaim October 19, 2022 as **Gentleman Day** throughout the city in support of Waypoint Services' in ending domestic violence in our community, and I further encourage all citizens to work together to end the scourge of domestic violence.

Signed this 11th day of October, 2022.

Mayor Robert M. Green

MAYOR ROBERT M. GREEN

CITY OF CEDAR FALLS, IOWA
220 CLAY STREET
CEDAR FALLS, IOWA 50613
319-273-8600

ALTRUSA MAKE A DIFFERENCE DAY

OCTOBER 22, 2022

WHEREAS, the Altrusa Institute was founded in 1917 by Dr. Alfred Durham to meet the need for civic organizations where business and professional women could meet and exchange ideas; and

WHEREAS, in June 1918, at its first convention, the Altrusa Institute became a classified service organization for women, fulfilling the vision of Mamie L. Bass; and

WHEREAS, vocational education for women is one of Altrusa's national policies, including scholarships and guidance for young women and older women as well; and

WHEREAS, Altrusa adopted literacy promotion as an ongoing mission in 1977; and

WHEREAS, Altrusa has expanded its projects beyond literacy and education by adopting a resolution in 1989 to promote environmental concerns; and

WHEREAS, Altrusa is a community based, grassroots organization that seeks to solve problems in our backyards by encouraging participation in community and public affairs; and

WHEREAS, busy Altrusans raise money for local charities, volunteer at battered women's shelters, help runaway teens, build houses for Habitat for Humanity, and so much more; and

WHEREAS, it is fitting for Cedar Falls residents to recognize and support these selfless volunteers in their continued efforts to positively impact our community;

NOW, THEREFORE, I, Robert M. Green, Mayor of Cedar Falls, do hereby proclaim October 22, 2022, as **Altrusa Make A Difference Day** in Cedar Falls, and encourage citizens to join local Altrusans in promoting literacy in our community by collecting books for Head Start, a homeless shelter, or women's shelter; by assisting with Girls or Boys Scout reading badges; or any number of other ways to benefit the community.

Signed this 11th day of October 2022.

Mayor Robert M. Green

DEPARTMENT OF COMMUNITY DEVELOPMENT

City of Cedar Falls
220 Clay Street
Cedar Falls, Iowa 50613
Phone: 319-273-8606
Fax: 319-273-8610
www.cedarfalls.com

MEMORANDUM
Administration

TO: Mayor Robert M. Green and City Council

FROM: Stephanie Houk Sheetz, AICP, Director of Community Development

DATE: October 10, 2022

SUBJECT: Public Hearing for proposed amendments to Section 18-23(5) and Section 26-4(c) of the Municipal Code of Ordinances

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The City Council directed staff to prepare amendments to Section 18-23(5) and Section 26-4(c) of the Municipal Code of Ordinances. Both sections pertain to a voting threshold by the City Council should the Planning & Zoning Commission recommend denial of said amendment.

The City Council set the public hearing for October 17, 2022 at their October 3rd meeting.

Background
Chapter 18 of the Municipal Code of Ordinances is related to Planning. Article II addresses the Planning and Zoning Commission. Section 18-23 details their powers and duties. In Section 18-23(5) it states that a comprehensive plan amendment must have a 2/3 majority vote by Council in the event the Planning & Zoning Commission recommends denial.

Chapter 26 of the Municipal Code of Ordinances is the Zoning Ordinance. Article I covers several general terms, with Section 26-4 addressing amendments to Chapter 26. In Section 26-4(c) it states that amendments require a favorable vote of at least 2/3 of the City Council in the event the Planning & Zoning Commission recommends denial. Zoning amendments include both text amendments and map amendments of the zoning ordinance. A text amendment is a change to a regulation, such as a change to building height or setback requirements. A map amendment is a change to the zoning map and is typically referred to as a rezoning. An example would be a property owner asking to rezone their property from A-1 to R-1, to potentially subdivide the property for future homes and public infrastructure. If approved, the zoning map is amended to reflect the new zoning designation of R-1.

In the Community Development Committee meeting on September 19, 2022, staff noted a history of local discussion on this topic of the Council's voting threshold in the event the Planning & Zoning Commission (P&Z) recommends denial. It was first discussed by P&Z in late 1998. At that time, P&Z felt the requirements were appropriate and no recommendation for change advanced to City Council. It was discussed again in 2002-2003. The Planning & Zoning Commission recommended amending the comprehensive plan super majority to a 3/4 vote to match the requirement on the zoning chapter of a 3/4 majority vote. The City Council discussed and then passed an ordinance changing both sections to a simple majority vote by

Council in the event P&Z recommended denial. The Mayor vetoed these ordinances. The City Council failed to override this veto and then unanimously passed an ordinance amending the zoning chapter to a 2/3 majority vote. This is the ordinance in place today. Both the zoning chapter and the planning chapter of our Municipal Code of Ordinances are consistent requiring a 2/3 majority vote in the event the Planning & Zoning Commission recommends denial.

Following is recent research staff conducted on several Iowa communities regarding the voting threshold for Council when the Planning & Zoning Commission recommends denial of a zoning amendment.

City	Type of Zoning Amendment (Text or Map)	Supermajority Vote	2/3	3/4
Ames	Any	No		
Cedar Falls	Any	Yes	✓	
Cedar Rapids	Any	No		
Des Moines	Text	No		
	Map	Yes		✓
Dubuque	Any	Yes		✓
Mason City	Any	No		
Iowa City	Any	No	Joint meeting required	
Waterloo	Any	Yes		✓

Evaluation

In the previous staff report dated September 23, 2002, it was noted that when the zoning ordinance was adopted in 1970 our local mandatory voting requirements were suspected to have matched an Iowa Code requirement. Council requested additional investigation on this topic. Our City Attorney reviewed several versions of Iowa Code not finding a change on this item since 1970. Staff submitted a request to the Legislative Services Agency for further research. Legislative Services researched 60-100 years of code finding no such provision in previous editions of the Iowa Code regarding a City Council voting threshold when the Planning & Zoning Commission recommends denial.

In 2003, Cedar Falls amended the zoning chapter to reduce the majority vote from 3/4 to 2/3. In reviewing additional materials from that amendment, the Mayor's 2003 veto memo explained that the majority of municipalities surveyed used a super majority requirement for zoning issues (attached).

Following is an updated listing on points of consideration staff identified related to the current proposal to amend to a simple majority vote on both comprehensive plan (§18-23(5)) and zoning amendments (§26-4(c)).

- City Council's vote is totally independent of P&Z in every situation (regardless of a recommendation for approval or denial).
- Change aligns with State Code.
- Change appears to align with some other Iowa communities.

- P&Z's role is devalued from its current status. (Often P&Z methodically reviews proposals over several meetings that typically include unlimited citizen comment periods and a thoughtful discussion among Commissioners and citizens.)
- Changing at this time may be tied to a specific issue, not a documented trend over time.
- Comprehensive Plans and Zoning Ordinances are intended to provide stability in the market due to the predictability their regulation can provide. Sometimes changes can be contentious and a simple majority Council vote could lend to regulations more easily flipping back and forth with changes in Council. Another scenario could be on-going discord on a matter, as a simple majority vote can be vetoed by the Mayor.

A situation that continues to be in our Zoning Ordinance and mandated by Iowa Code applies to a protest petition by nearby residents. Cedar Falls code states in Section 26-4(c): ".... In case a written protest against a proposed amendment, supplement or change is filed with the city clerk duly signed by the owners of 20 percent or more of the area of the lots included in such proposed change, or by the owners of 20 percent or more of the property which is located within 200 feet of the exterior boundaries of the property for which the amendment, supplement or change is proposed, such amendment shall not become effective except by the favorable vote of at least three-fourths of all the members of the city council...."

At the September 19, 2022 Committee meeting, concern was expressed that P&Z may not be engaged in the referral process or fully considering the referrals. Following is a review of the referrals made related to the Downtown Character District in 2022 and P&Z's consideration of them:

- Eliminate Shared Parking – On January 18, 2022, Council specifically referred eliminating shared parking requirements in the CD-DT. The Planning & Zoning Commission discussed the matter at their January 26, 2022 meeting and held a public hearing on February 9, 2022, recommending against eliminating it. On March 7, 2022, the City Council vote did not meet the 2/3 super majority to override P&Z's recommendation of denial, therefore it did not advance.
- Increase private parking requirements for residential uses – On January 18, 2022, Council made a general referral to review the residential parking requirement, with consensus to have P&Z consider 1 parking space per bedroom and at least one space per unit. P&Z discussed this, recommending a compromise to increase it from .5/BR to .75/BR but not less than 1 space per unit. Council passed this ordinance change in April 2022.
- Missing Middle Housing – Council discussed in March 2022, with no further referral on the topic.
- Accessory Dwelling Units – Council discussed in March 2022, with no further referral on the topic.
- Site Plan Review– On February 7, 2022, Council made a general referral to P&Z to further consider the appropriate cases for P&Z/Council site plan review vs. administrative (staff level) site plan review. P&Z discussed this and the initial goals from the visioning process at a March meeting, directing staff to prepare an amendment for consideration. On June 6, 2022, after considering five different options, P&Z recommended to add P&Z/Council review of new buildings in the UG, UG2 and Storefront frontages. P&Z also asked staff for monthly reports on all other projects to monitor the types of cases and consider if any future changes may be needed. At the July 18, 2022 Council meeting, this ordinance failed. A motion was then made and passed to petition P&Z to add review of any site plan expanding the floor plan or where

residential is being added. After initial discussion on August 10, 2022 and a public hearing on August 24th, P&Z recommended against making these additional changes to the review process. Council postponed setting a public hearing date for the revised ordinance until after considering whether to amend the voting threshold for Council when P&Z recommends denial.

- Shared Parking – On February 21, 2022, Council referred to P&Z a discussion on the criteria of shared parking to restrict shared parking to on-site only. On March 7, 2022, Council voted to modify this referral by including discussion of the location of allowable shared parking. June 6, 2022, Council added to that referral relative to shared parking downtown and to move discussion up on the committee schedule. The Community Relations & Planning Committee discussed it July 18, 2022, with consensus that shared parking should be referred to P&Z with consideration including but not limited to the location and time of day rules for shared parking. On August 1, 2022 it was referred back to Committee in order to clarify and be more specific about what Council was requesting P&Z to consider. At the subsequent committee meeting on August 15th, a motion was passed to request that the Planning and Zoning Commission again consider eliminating requirements for shared parking and to increase the parking requirement for multi-unit residential to 1 space per bedroom. The Planning & Zoning Commission held a public hearing on September 28, 2022, recommending against both amendments.
- Vinyl siding – On March 21, 2022, Council referred to P&Z the following for consideration: 1) Add an allowance for vinyl siding on any new SF dwelling, 2) Add an allowance for vinyl siding on any new residential building with less than 7 units. (duplexes, townhomes, small apartment buildings). Due to the priority of other referrals and workload, these items have not been discussed by P&Z yet. Upon completion of the above items, this will be the next topic for P&Z discussion.

Due to the length of time and complexity of the discussions/referrals, this listing may inadvertently omit an item or action. Descriptions of the discussion, actions or consensus utilize minutes from each of these meetings.

Moving Forward

Enclosed are proposed amendments to Section 18-23(5) and Section 26-4(c) of the Municipal Code of Ordinances. If Council decides to proceed with a change, staff asks for consideration of several additional changes to Section 18-23(5). The first is to align the public notice period with those found in the zoning chapter, to be not less than 7 days and not more than 14 days notice before the hearing. The second is, that upon removal of a Council super-majority, it does not seem necessary to dictate a super-majority Planning & Zoning Commission vote on a comprehensive plan amendment. Currently this section states a 2/3 majority vote by P&Z is required. There is no Iowa Code requirement on a voting threshold for the Planning & Zoning Commission.

The City Attorney has advised that to change the ordinances in question, a simple majority vote is all that is required.

Attachments:

- Redline version of proposed changes
- Draft ordinances amending City Code Section 18-23(5) and Section 26-4(c)
- 2003 Staff Report on amendments
- Planning & Zoning Commission recommendation to City Council (December 19, 2022)
- June 11, 2003 Mayor veto memo

Chapter 18 PLANNING

ARTICLE II. PLANNING AND ZONING COMMISSION

Sec. 18-23. Powers and duties.

The city planning and zoning commission shall have and possess the following powers and duties and such other powers as may be incidental to the successful carrying out of the powers vested in it in this section or such as may be expressly conferred upon it by law:

(1) The commission shall make or cause to be made such surveys, studies, maps, plans or charts of the whole or any portion of the city and of any land outside thereof which, in the opinion of the commission, bears relation to a comprehensive plan, and shall submit such plans to the council with its studies and recommendations, and it may publish the plans.

(2) The commission shall prepare a comprehensive plan regarding the height, number of stories and size of buildings and structures, the percentage of ground that may be occupied, the size of yards, courts and other open spaces, the density of population, and the location and use of buildings, structures and land for trade, industry, residence or other purposes, and shall prepare preliminary reports and hold public meetings and hearings and submit final reports thereon and recommendations to the council, and shall, further, recommend to the council from time to time, as conditions may require, amendments, supplements, changes or modifications in any comprehensive plan prepared by the commission.

(3) All plans, plats or replats of subdivisions or resubdivisions of land in the city or adjacent thereto, laid out in lots or plats with the streets, alleys or other portions of the subdivision or resubdivision intended to be dedicated to the public in the city, and all proposals for the vacation of a street or partial vacation of a street, alley or public ground, shall first be submitted to the commission, and its recommendations obtained before approval by the city council.

(4) No plan for any street, park, parkway, boulevard, trafficway, riverfront or other public improvement affecting the city plan shall be finally approved by the city, or the character or location thereof determined, unless such proposal shall first have been submitted to the commission and the commission shall have had 60 days within which to file its recommendations thereon.

(5) For the purpose of making a comprehensive plan for the physical development of the city, the commission shall make careful and comprehensive studies of the present conditions and future growth of the city, with due regard to its relation to neighboring territory. The plan shall be made with the general purpose of guiding and accomplishing a coordinated, adjusted and harmonious development of the city and its environs which will, in accordance with present and future needs, best promote health, safety, order, convenience, prosperity and general welfare, as well as efficiency and economy in the process of development. Before adopting a comprehensive plan or any part of it, or any substantial amendment thereof, the commission shall hold at least one public hearing thereon, notice of the time of which shall be given by one publication in a newspaper of general circulation in the city, not less than ~~ten~~ seven and not more than ~~20~~ 14 days before the hearing. The adopting of the plan or part or amendment thereof shall be by resolution of the commission carried by the affirmative vote of ~~not less than two-thirds~~a majority vote of all of the members of the commission. When such comprehensive plan has been adopted as provided for in this subsection, no substantial amendment or modification thereof shall be made without such proposed change being first referred to the commission for its recommendation. Amendments or modifications to the comprehensive plan shall not become effective except by the favorable vote of a majority of all the members of the city council. ~~may be approved by a majority vote of all of the members of the council.Passage of an ordinance, amendment, or resolution requires a majority vote of all of the members of the council.If the commission disapproves the proposed change, it may be adopted by the city council by an affirmative vote of at least two-thirds of all the members of such council.~~

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(6) The commission may employ such technical assistance as it deems necessary, subject to budgetary limitations. Such assistance may be in the form of secretarial, consultant or legal service. The commission should, as a matter of policy, invite such assistants, the zoning administrator and the city engineer, or their representatives, to regularly attend meetings of the commission and to offer information or make suggestions regarding items under consideration.

(7) The city council may annually appropriate a sum of money from the general funds for the payment of the expense of the commission. The commission shall have full, complete and exclusive authority to expend for and on behalf of the city all sums of money so appropriated.

(8) The commission, each year, shall make a report to the mayor and city council of its proceedings, with a full statement of its receipts and disbursements and the progress of its work for the preceding fiscal year.

(9) The commission shall adopt such rules and regulations governing its organization and procedure as may be deemed necessary.

(10) The commission shall have all other powers and duties providing for planning and zoning commissions in Iowa Code ch. 414.

(Code 2017, § 21-30)

Chapter 26 - ZONING

ARTICLE I. - IN GENERAL

Sec. 26-4. Amendments to chapter.

(a) The city council may, from time to time, on its own action or on petition, after public notice and hearings as provided by law, and after reports by the city planning and zoning commission, amend, supplement or change the boundaries or regulations established in this chapter or subsequently established. Such amendment shall not become effective except by the favorable vote of a majority of all the members of the city council.

(b) Prior to and in addition to the requirements of subsection (a) of this section, whenever any person desires that any amendment or change be made in this chapter as to any property in the city, there shall be presented to the city planning and zoning commission a petition requesting such change or amendment signed by the owners of at least 50 percent of the area of all the real estate included within the boundaries of the tract as described in the petition. The petition shall contain a legal description of the real estate for which rezoning is requested, the existing zoning classification and the requested zoning classification. The petition shall also have attached to it a plat which identifies the real estate for which rezoning is requested and which also shows all public streets and highways within a distance of 300 feet; the platted addition, if any, or the government section number and quarters in which the real estate is located; the existing zoning classification; and the requested zoning classification. Such plats shall be of a scale of not less than 300 feet to one inch. Within 30 days after the filing of such petition, the city planning and zoning commission, acting as a commission or acting through its chairperson, vice-chairperson or other authorized agent, shall fix a time, date and place of hearing on the petition, which date shall be no more than 60 days after the filing of such petition. The petitioner for such change or amendment shall thereafter cause a notice of hearing to be published once in a newspaper of general circulation published within the city, at least seven but not more than 14 days before the date fixed for such hearing. Such notice shall contain the time, date and place of the hearing, the existing zoning classification, the requested zoning classification and a reproduction of the plat attached to the petition, and shall be signed by the petitioners. The city planning and zoning commission may, upon the unanimous approval of the members present at a meeting, act upon a petition for rezoning or initiate a zoning change or amendment without the necessity of such a plat, notice or hearing.

(c) ~~In case the proposed amendment, supplement or change is disapproved by the city planning and zoning commission, such amendment, supplement or change shall not become effective except by the favorable vote of at least two-thirds of all the members of the city council.~~ In case a written protest against a proposed amendment, supplement or change is filed with the city clerk duly signed by the owners of 20 percent or more of the area of the lots included in such proposed change, or by the owners of 20 percent or more of the property which is located within 200 feet of the exterior boundaries of the property for which the amendment, supplement or change is proposed, such amendment shall not become effective except by the favorable vote of at least three-fourths of all the members of the city council. Whenever any petition for an amendment, supplement or change of the zoning or regulations contained in this chapter or subsequently established shall have been denied by the city council, then no new petition covering the same property or the same property and additional property shall be filed with or considered by the city council until six months shall have elapsed from the date of the filing of the first petition.

(d) Unless any lot, tract or parcel of land hereafter zoned to a less restrictive classification than as provided in this chapter has been used or developed for such less restrictive classification within two years from such rezoning, or unless there exists an unexpired building permit for the development thereof at the end of such two years, the city planning and zoning commission may, prior to the bona fide commencement of the use or development of the land in its less restrictive classification, after seven days' notice, in writing, to the then record owner of the land providing a reasonable opportunity to be heard, initiate and recommend to the city council that the land be rezoned to its zoning classification as established at the date of the passage of the ordinance from which this chapter is derived.

(e) Before any action has been taken as provided in this section, the party proposing or recommending a change in district regulations or district boundaries shall deposit with the city clerk such sum as established by the council from time to time to cover the costs of this procedure. The fee will be nonrefundable.

(Ord. No. 2922, § 1(29-4), 5-7-2018)

Prepared by: Stephanie Sheetz, Director of Community Development, City of Cedar Falls, 220 Clay Street, Cedar Falls, Iowa (319) 273-8600

ORDINANCE NO. _____

AN ORDINANCE TO REMOVE A 2/3 MAJORITY VOTE BY THE CITY COUNCIL IN THE EVENT THE PLANNING AND ZONING COMMISSION RECOMMENDS DENIAL OF A COMPREHENSIVE PLAN ADOPTION OR SUBSTANTIAL AMENDMENT BY AMENDING SECTION 18-23, POWERS AND DUTIES, UNDER ARTICLE II, PLANNING AND ZONING COMMISSION, ALL WITHIN CHAPTER 18, PLANNING, OF THE CODE OF ORDINANCES OF THE CITY OF CEDAR FALLS, IOWA

WHEREAS, the City Council discussed changes to the Planning Chapter of the Municipal Code of Ordinances at the September 19, 2022 Community Development Committee meeting;

WHEREAS, a public hearing was held October 17, 2022 by the City Council; and

WHEREAS, the City Council approved an amendment to Section 18-23 of the Code of Ordinances after public hearing.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF CEDAR FALLS, IOWA, THAT:

Subsection 5 of Section 18-23 Powers and Duties, within Article II, Planning and Zoning Commission, of Chapter 18, Planning, of the Code of Ordinances of the City of Cedar Falls, Iowa, is hereby deleted and the following substituted in lieu thereof:

(5) For the purpose of making a comprehensive plan for the physical development of the city, the commission shall make careful and comprehensive studies of the present conditions and future growth of the city, with due regard to its relation to neighboring territory. The plan shall be made with the general purpose of guiding and accomplishing a coordinated, adjusted and harmonious development of the city and its environs which will, in accordance with present and future needs, best promote health, safety, order, convenience, prosperity and general welfare, as well as efficiency and economy in the process of development. Before adopting a comprehensive plan or any part of it, or any substantial amendment thereof, the commission shall hold at least one public hearing thereon, notice of the time of which shall be given by one publication in a newspaper of general circulation in the city, not less than seven and not more than 14 days before the hearing. The adopting of the plan or part or amendment thereof shall be by resolution of the commission carried by the affirmative vote of a majority vote of all of the members of the commission. When such comprehensive plan has been adopted

as provided for in this subsection, no substantial amendment or modification thereof shall be made without such proposed change being first referred to the commission for its recommendation. Amendments or modifications to the comprehensive plan shall not become effective except by the favorable vote of a majority of all the members of the city council.

INTRODUCED: _____

PASSED 1ST CONSIDERATION: _____

PASSED 2ND CONSIDERATION: _____

PASSED 3RD CONSIDERATION: _____

ADOPTED: _____

_____
Robert M. Green, Mayor

ATTEST:

_____
Jacqueline Danielsen, MMC, City Clerk

Prepared by: Stephanie Sheetz, Director of Community Development, City of Cedar Falls, 220 Clay Street, Cedar Falls, Iowa (319) 273-8600

ORDINANCE NO. _____

AN ORDINANCE TO REMOVE A 2/3 MAJORITY VOTE BY THE CITY COUNCIL IN THE EVENT THE PLANNING AND ZONING COMMISSION RECOMMENDS DENIAL OF AN AMENDMENT, SUPPLEMENT OR CHANGE BY AMENDING SECTION 26-4, AMENDMENTS TO CHAPTER, UNDER ARTICLE I, IN GENERAL; ALL WITHIN CHAPTER 26, ZONING, OF THE CODE OF ORDINANCES OF THE CITY OF CEDAR FALLS, IOWA

WHEREAS, the City Council discussed changes to the Zoning Chapter of the Municipal Code of Ordinances at the September 19, 2022 Community Development Committee meeting; and

WHEREAS, a public hearing was held October 17, 2022 by the City Council; and

WHEREAS, the City Council approved an amendment to Section 26-4 of the Code of Ordinances after public hearing.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF CEDAR FALLS, IOWA, THAT:

Subsection (c) of Section 26-4 Amendments to Chapter within Article I, In General, of Chapter 26, Zoning, of the Code of Ordinances of the City of Cedar Falls, Iowa, is hereby deleted and the following substituted in lieu thereof:

(c) In case a written protest against a proposed amendment, supplement or change is filed with the city clerk duly signed by the owners of 20 percent or more of the area of the lots included in such proposed change, or by the owners of 20 percent or more of the property which is located within 200 feet of the exterior boundaries of the property for which the amendment, supplement or change is proposed, such amendment shall not become effective except by the favorable vote of at least three-fourths of all the members of the city council. Whenever any petition for an amendment, supplement or change of the zoning or regulations contained in this chapter or subsequently established shall have been denied by the city council, then no new petition covering the same property or the same property and additional property shall be filed with or considered by the city council until six months shall have elapsed from the date of the filing of the first petition.

INTRODUCED: _____

PASSED 1ST CONSIDERATION: _____

PASSED 2ND CONSIDERATION: _____

PASSED 3RD CONSIDERATION: _____

ADOPTED: _____

_____
Robert M. Green, Mayor

ATTEST:

_____
Jacqueline Danielsen, MMC, City Clerk

Ptz 12-18-02

Zoning Ordinance Amendment, Section 29-4, Voting

REQUEST: Request to approve a Zoning Ordinance Amendment, Section 29-4, relative to mandatory voting requirements for Zoning Ordinance Amendments.

PETITIONER: City of Cedar Falls Department of Developmental Services.

PROPOSAL: It is proposed to change the voting requirements for the City Council outlined in Section 29-4 of the Zoning Ordinance in the event of a recommendation of denial by the Planning and Zoning (P&Z) Commission relating to a Zoning Ordinance amendment. Currently the voting requirement to override a P&Z Commission recommendation of denial is a 3/4 vote (super-majority) by the Council (or six out of seven Council members). A similar mandatory voting requirement relating to Schematic Land Use Map Amendments (Section 21-30) requires a 2/3 City Council vote (5 out of 7 Council members) in the event of a P&Z recommendation of denial of a Land Use Map Amendment. These two separate voting requirements (2/3 vs. 3/4) can occur on the same Zoning Ordinance amendment (i.e. rezoning of property), which can create a confusing voting scenario.

BACKGROUND: The Zoning Ordinance outlines procedures for amending the Zoning Ordinance, including description of public notice requirements and also description of various mandatory voting requirement scenarios. Some of these requirements are mandated by State Code (section 414.5). Minimum State Code requirements cannot be altered. However, there are certain components of the City Zoning Ordinance that can be amended in order to reduce any potential voting confusion in the event of certain Zoning Ordinance amendments.

Zoning Ordinance amendments take two separate forms. In one case, an Ordinance Amendment can involve a simple revision to the Zoning Ordinance text, such as changing the rules for parking regulations or sign regulations or building setback regulations in a certain Zoning District. These are "text changes," but are also "Zoning Ordinance Amendments." Another typical Ordinance Amendment is when land within the City is rezoned from one zoning district classification to another (i.e. A-1 to R-1, or MU to PC-2). These types of amendments are also controlled by rules outlined in Section 29-4. In both cases the City is required to publish a public notice in the local newspaper at least seven days but no more than fourteen days before the

date of the public hearing by the Commission. There is no requirement in the Code to notify property owners or provide any other type of public notice; however, City staff will typically make efforts to notify nearby property owners in the case of a rezoning request and may post a sign near the property in question as another form of "public notice." However, these measures are not required by Code.

The Code explains in detail the voting requirements for the City Council where the ordinance amendment (i.e. rezoning) is opposed by the owners of 20% or more of the property which is located within 200 feet of the boundary of the property under consideration. This particular provision (20% of property owners within 200 feet) is found in the State Code (section 414.5) and cannot be amended. In this event (objections from 20% of property owners within 200 feet) State Code mandates a 3/4 vote by the City Council in order to approve said amendment. In this case even if the Planning and Zoning Commission recommends approval of the proposed amendment but the 20%/200 ft. objection standard is satisfied the 3/4 vote requirement by the City Council is still mandated.

This particular Zoning Code requirement (Section 29-4) also mandates a 3/4 vote by the City Council (six out of seven Council members) in the event that the Planning and Zoning Commission recommends denial of the amendment. This provision is not mandated by State Code. It is suspected that when Section 29-4 was adopted in 1970 along with the rest of the Zoning Ordinance the mandatory voting requirement relative to P&Z recommendation was established to "match" the State Code requirement relative to adjacent property owner objections (i.e. 20%/200 ft.). In other words, the Planning and Zoning Commission recommendation on zoning matters, particularly rezoning of property, imposes a heavy burden upon the City Council to override.

In addition to this particular voting standard found in the Zoning Ordinance, there is another section of the City Code, Section 21, which outlines the duties and responsibilities of the Planning and Zoning Commission. This section also outlines mandatory voting requirements relative to adoption or amendment of the City Comprehensive Plan, or parts thereof. Section 21-30-5 describes public notice requirements and voting

requirements for amendments to the Comprehensive Plan. Typically, an amendment to the Comprehensive Plan involves amendments to the City Schematic Land Use Map in some rezoning applications. In this case if the Commission recommends denial of said proposed amendment the City Council can override the recommendation only with a 2/3 vote (five out of seven Council members).

There are a number of scenarios that can occur in any given property rezoning request. The majority of such requests (i.e. rezoning to expand the industrial park area) are non-controversial to abutting property owners and the requested change agrees with the City Plan (i.e. Land Use Map). In those cases the Commission will typically recommend approval and the City Council will be able to approve the request with a simple majority of the Council (four out of seven).

In other cases a rezoning request may agree with the Land Use Map but nearby property owners may object. This has occurred with rather routine R-1, Residential rezoning requests in areas where residential development is logically expected to occur and is shown accordingly on the City Land Use Map. In this case the Planning and Zoning Commission would not need to vote on the Land Use Map issue since the rezoning agrees with the City Plan and the Commission may logically agree to recommend approval of the rezoning. However, if abutting property owners file an objection, and if that objection meets the 20%/200 foot rule outlined in the City Code and in State Code, a 3/4 City Council vote would be mandated in order to approve the rezoning request.

In other cases the Planning and Zoning Commission might not have an issue with the Land Use Map (thus no vote required) but the rezoning request may violate some other standard, such as lack of sanitary sewer service, or perhaps due to unusual public opposition, however, objections may not satisfy the 20%/200 foot rule. If the Commission recommends denial the City Council would be forced into a 3/4 vote scenario.

The most unusual scenario is a very controversial rezoning issue that involves public opposition, a Land Use Map Amendment, abutting property owner objections that satisfy

the 20%/200 ft. rule, and the Commission recommends denial. In this case the City Council would be forced into a 2/3 vote to approve the Land Use Map (five out of seven) and a 3/4 vote to approve the rezoning (six out of seven). A majority of Council members may support the rezoning (perhaps considering the larger benefit to the entire community). There may be sufficient votes to approve the Land Use Map amendment (five) but not enough to overturn the recommendation of denial on the rezoning request (six votes required). In this scenario if five Council votes approve the Land Use Map amendment, but six votes cannot be secured to approve the rezoning, the City could find itself in a legal quandary relating to justification for denial of the rezoning. A rezoning decision must be based upon a rather narrow range of legal standards: conformance with the City Plan (i.e. City Land Use Map) or conformance with sanitary sewer policies. If in the above scenario sewer service availability is not at issue, but rather a Land Use Map issue is the sole legal foundation for approval or denial the City Council may find it difficult to legally justify approval of the Land Use Map amendment but not the rezoning request.

It is obvious in the latter voting scenario that the 2/3 voting requirement (five out of seven) is out of balance with the 3/4 voting requirement (six out of seven). It is proposed to "balance" these two requirements by reducing the current 3/4 vote requirement in the event of P&Z Commission recommendation of denial on the rezoning issue from 3/4 to 2/3. The 3/4 vote standard will still remain in place for the State Code mandated scenario where 20% of abutting property owners within 200 ft. of the rezoning boundary submit a written objection. However, if there are no abutting property owner objections the Planning and Zoning Commission recommendation of denial will force only a 2/3 vote by the City Council rather than 3/4 vote.

This particular proposal relating to 3/4 voting requirements was discussed by the Planning and Zoning Commission in 1998. At that time some members of the Commission raised the issue of "undue influence" the Commission might carry in rezoning decisions. This issue was debated at length. The Commission decided to take no action on any change to the Ordinance voting requirements at that time. However, the voting "imbalance" issue was not identified nor discussed at that time since that particular voting

scenario (2/3 vs. 3/4) had not occurred. It is now obvious from a recent potential voting scenario that it is possible that the Council could approve a Land Us Map Amendment (five votes) but be unable to approve the rezoning request (six votes), which undermines the legal basis for denial of the rezoning request. The potential for this rather unusual voting scenario illustrates the need to revise the voting requirements accordingly in order to minimize potential legal action against the City.

In addition to the legal implications of this voting imbalance, City staff continues to agree with assertions made by Commission members in 1998 that the Commission may indeed wield too much influence in zoning decisions. Rezoning requests often carry City-wide implications in terms of economic development impacts. While nearby residents may oppose certain requests, the proposed rezoning may indeed be the best path for the City to take. The best resolution for these types of decisions is to allow the City Council, to that extent possible, take action that represents the best interest of the entire City. The current 3/4 voting scenario imposes a severe limitation on the City Council's ability to act on behalf of the entire City.

STAFF RECOMMENDATION:

The Department of Developmental Services recommends approval of the Zoning Ordinance amendment relative to Section 29-4, reducing the voting requirement of the City Council to 2/3 vote in order to override a recommendation of denial by the Planning and Zoning Commission. This vote revision will match the existing 2/3 vote requirement for amending the City Plan (Sec. 21-30). The current 3/4 vote requirement pertaining to abutting property owner objections (20% within 200 feet) will remain intact.

CEDAR FALLS Iowa

PLANNING AND ZONING COMMISSION

CITY OF CEDAR FALLS, IOWA
217 WASHINGTON ST.
CEDAR FALLS, IOWA 50613
319-273-8606
FAX 319-273-8610

December 19, 2002

Honorable Mayor Jon T. Crews and City Council
City of Cedar Falls
220 Clay Street
Cedar Falls, Iowa 50613

RE: Zoning Ordinance Amendment, Mandatory Voting, Section 29-4

Dear Mayor and City Council:

The Cedar Falls Planning and Zoning Commission met in regular session on Wednesday, December 18, 2002 at 7:00 p.m. in the City Hall Council Chambers, 220 Clay Street. At that time the Commission considered a request from the City Department of Developmental Services to amend Section 29-4-c of the Zoning Ordinance, which outlines mandatory voting requirements for the City Council in the event that a Zoning Ordinance amendment is recommended for denial by the Planning and Zoning Commission (i.e. 3/4 vote).

Chair Montz introduced the matter and noted that there is a Committee report on the request. Ms. Hays made a motion to receive and file the Committee report. Ms. Anglum seconded the motion. The motion was approved unanimously.

Mr. Montz also noted that a public hearing is required on the proposed ordinance amendment. He noted proof of publication of public notice. Mr. Eck made a motion to receive and file proof of public notice. Ms. Hays seconded the motion. The motion was approved unanimously. Mr. Montz proceeded to explain the rules of the public hearing and declared the hearing open.

City Planner Martin Ryan provided background information. He described the 3/4 voting scenario imposed upon the City Council in the event of a recommendation of denial by the Planning and Zoning Commission. He noted that many Iowa cities have this voting requirement, which was originally based upon a State law, which is no longer in effect. Cedar Rapids, for example, has no extraordinary voting requirements in their ordinance based upon P&Z recommendation of denial. Mr. Ryan also noted there is another

section of the City Code, Section 21-30-5, which specifies a 2/3 voting requirement relative to amendments to the Comprehensive Plan (i.e. City Schematic Land Use Map). In that case if the Commission recommends denial of a land use map amendment the Council is required to have a 2/3 vote to overturn the negative recommendation. Mr. Ryan noted that the 2/3 – 3/4 voting requirements can occur on the same rezoning issue (i.e. recent Wal-Mart rezoning) which can create a voting "imbalance" on the City Council. He recommended that these two voting standards be balanced with a 2/3 vote in each case.

No persons were present to speak either in favor or in opposition to the proposal. Mr. Montz declared the public hearing closed.

Commission members had a number of comments on the proposal. It was generally agreed that the two voting standards should be balanced. However, Mr. Kressig was concerned that a 2/3 voting standard would minimize the impact that the Commission recommendation has on the City Council. Ms. Anglum stated that the Commission specializes in zoning and planning issues and is in a good position to make informed decisions that reflect the desires of the community. She felt that a 2/3 voting standard may not fully reflect the Commission's efforts in this regard. Ms. Hays agreed, noting the time and energy put into preparation of the Comprehensive Plan. Mr. Eck voiced his support for retaining the 3/4 vote in the Zoning Ordinance and increasing the 2/3 vote on land use map issues to 3/4. Mr. Wieland noted that the Commission is not a political body but is a research and recommending body. The Commission should be given broad authority in zoning matters.

Following all discussion Mr. Eck made a motion to retain the current 3/4 voting standard in Section 29-4 and to recommend changing the 2/3 voting requirement in Section 21-30-5 from 2/3 to 3/4. Mr. Kressig seconded the motion. The motion was approved unanimously with 7 ayes (Andersen, Anglum, Darrah, Eck, Hays, Kressig, Wieland), 0 nays.

Respectfully submitted,

David Montz, Chair

OFFICE OF THE MAYOR
CITY OF CEDAR FALLS, IOWA
220 CLAY STREET
CEDAR FALLS, IOWA 50613
319-268-5119
FAX 319-268-5126

MEMORANDUM

TO: City Council

FROM: Mayor Jon Crews

DATE: June 11, 2003

RE: Passage of recent ordinances at June 9 City Council meeting

This communication is an official notice to City Council that, as Mayor of Cedar Falls, I am hereby issuing a written veto of Ordinance No. 2436, passed by the City Council on a simple majority vote on June 9, 2003.

I believe that, for the purpose of balance of governmental authority, the system we have had in place in Cedar Falls for the last 33 years has worked well for the benefit of all residents. The Planning & Zoning Commission spends a great deal of time reviewing and analyzing planning and zoning issues. A negative vote by that Commission, I believe, should require a slightly higher margin than a simple majority.

I am recommending that the City Council adopt a change to the Zoning Ordinance that would reduce the requirement from three-fourths to two-thirds to match the current Schematic Land Use requirement of two-thirds. That would require a vote of three council members to stop the overturning of a negative recommendation from Planning & Zoning Commission on both Schematic Land Use issues and on the Zoning issues. If the ordinances are passed and adopted as a simple majority, whoever is in the Mayor's position still could veto any City Council override of planning and zoning negative votes on zoning or schematic land use and require a two-thirds vote of the Council. This provision of State law underscores the need for a consistent two-thirds vote.

On the Zoning issue, the City Attorney has recommended that it would take a three-fourths vote of the City Council to approve a simple majority ordinance. The majority of the Council (by simple majority) has elected to act contrary to that advice. I believe we should follow the City

Attorney's advice that is supported by the City Clerk, the City Planner, and the Department Directors who oversee those divisions. They all feel that the safest approach to avoid future litigation on the legality of the ordinance is to approve the ordinance with a three-fourths vote instead of a simple majority vote.

It is clear that our current system has worked well. The majority of municipalities surveyed use a super majority requirement for zoning issues. The State requires a three-fourths vote if enough nearby residents object. Therefore, I think it is consistent to hold a higher standard than a simple majority for overturning recommendations by the Cedar Falls Planning and Zoning Commission.

Given these reasons for this veto, I hope the council and citizens will support this decision.

DEPARTMENT OF PUBLIC WORKS

City of Cedar Falls
220 Clay Street
Cedar Falls, Iowa 50613
Phone: 319-268-5161
Fax: 319-268-5197
www.cedarfalls.com

MEMORANDUM
Engineering Division

TO: Honorable Mayor Robert M. Green and City Council

FROM: Luke Andreasen, PE

DATE: September 23, 2022

SUBJECT: 27th Street Sanitary Sewer Extension District Ordinance
Division 6 added to City Code Chapter 24, Article II

With construction now completed for the 27th Street Sanitary Sewer extension, it is now necessary to update City Code in order to establish a new sanitary sewer district and tapping fee for this extension. The service area for this proposed district is shown in Exhibit 1.

The Engineering Division of the Public Works Department is proposing that a *Division 6: 27th Street Sanitary Sewer Extension*, be added to Chapter 24, Article II of the Code of Ordinances. Please see attached for this proposed addition.

If you have any questions or concerns, please feel free to ask.

xc: Chase Schrage, Director of Public Works
David Wicke, PE, City Engineer

Prepared by: Kevin Rogers, City Attorney, 220 Clay Street, Cedar Falls, IA 50613, (319)273-8600

ORDINANCE NO. 3018

AN ORDINANCE AMENDING ARTICLE II, SEWERS AND SEWAGE DISPOSAL, OF CHAPTER 24, UTILITIES, OF THE CODE OF ORDINANCES OF THE CITY OF CEDAR FALLS, IOWA, BY ADDING A NEW DIVISION 6, 27th STREET SANITARY SEWER EXTENSION DISTRICT, WHICH ESTABLISHES A NEW SEWER DISTRICT IN THE CITY AND PROVIDES FOR FEES FOR SEWER CONNECTION.

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF CEDAR FALLS, IOWA:

Section 1. Article II, Sewers and Sewage Disposal, of Chapter 24, Utilities, of the Code of Ordinances of the City of Cedar Falls, Iowa, is hereby amended by enacting a new Division 6, 27th Street Sanitary Sewer Extension District, containing New Section 24-223, Establishment of District; New Section 24-224, Description of Benefited Properties; New Section 24-225, Imposition of Sewer Connection Charge; Application, and New Section 24-226, Timing of Payment of Sewer Connection Charge, as follows:

DIVISION 6. - 27th STREET SANITARY SEWER EXTENSION

Sec. 24-223. Establishment of district.

There is hereby established the 27th Street Sanitary Sewer Extension District, which may be referred to in this division as the district. The district consists of all property served and benefited by the 27th Street Sanitary Sewer Extension, which is legally described in section 24-224.

Sec. 24-224. Description of benefited properties.

The property served and benefited by the district consists of approximately 145.0 acres of property legally described as follows:

PART OF THE SOUTH HALF OF SECTION 15, TOWNSHIP 89 NORTH, RANGE 14 WEST OF THE 5TH PRINCIPAL MERIDIAN IN THE CITY OF CEDAR FALLS, BLACK HAWK COUNTY, IOWA, AND PART OF

THE NORTH HALF OF SECTION 22, TOWNSHIP 89 NORTH, RANGE 14 WEST OF THE 5TH PRINCIPAL MERIDIAN IN THE CITY OF CEDAR FALLS, BLACK HAWK COUNTY, IOWA, DESCRIBED AS FOLLOWS:

(1) THE SOUTHWEST QUARTER (1/4) OF THE NORTHEAST QUARTER (1/4) OF THE SOUTHWEST QUARTER (1/4) OF SECTION 15, TOWNSHIP 89 NORTH, RANGE 14 WEST OF THE 5TH PRINCIPAL MERIDIAN IN THE CITY OF CEDAR FALLS, BLACK HAWK COUNTY, IOWA.

(2) THAT PART OF THE SOUTHEAST QUARTER (1/4) OF THE NORTHEAST QUARTER (1/4) OF THE SOUTHWEST QUARTER (1/4) LYING SOUTHWESTERLY OF THE LINE FROM THE NORTHWEST CORNER TO THE SOUTHEAST CORNER THEREOF, IN SECTION 15, TOWNSHIP 89 NORTH, RANGE 14 WEST OF THE 5TH PRINCIPAL MERIDIAN IN THE CITY OF CEDAR FALLS, BLACK HAWK COUNTY, IOWA.

(3) THE SOUTHEAST QUARTER (1/4) OF THE SOUTHWEST QUARTER (1/4) OF SECTION 15, TOWNSHIP 89 NORTH, RANGE 14 WEST OF THE 5TH PRINCIPAL MERIDIAN IN THE CITY OF CEDAR FALLS, BLACK HAWK COUNTY, IOWA.

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(5) THAT PART OF THE NORTHEAST QUARTER (1/4) OF THE SOUTHWEST QUARTER (1/4) OF THE SOUTHEAST QUARTER (1/4) LYING SOUTHWESTERLY OF THE LINE FROM THE NORTHWEST CORNER TO THE SOUTHEAST CORNER THEREOF, IN SECTION 15, TOWNSHIP 89 NORTH, RANGE 14 WEST OF THE 5TH PRINCIPAL MERIDIAN IN THE CITY OF CEDAR FALLS, BLACK HAWK COUNTY, IOWA.

(6) THE SOUTHEAST QUARTER (1/4) OF THE SOUTHWEST QUARTER (1/4) OF THE SOUTHEAST QUARTER (1/4) OF SECTION 15, TOWNSHIP 89 NORTH, RANGE 14 WEST OF THE 5TH PRINCIPAL MERIDIAN IN THE CITY OF CEDAR FALLS, BLACK HAWK COUNTY, IOWA.

(7) THE SOUTHWEST QUARTER (1/4) OF THE SOUTHEAST QUARTER (1/4) OF THE SOUTHEAST QUARTER (1/4) OF SECTION 15, TOWNSHIP 89 NORTH, RANGE 14 WEST OF THE 5TH PRINCIPAL MERIDIAN IN THE CITY OF CEDAR FALLS, BLACK HAWK COUNTY, IOWA.

(8) THE NORTHWEST QUARTER (1/4) OF THE NORTHEAST QUARTER (1/4) OF SECTION 22, TOWNSHIP 89 NORTH, RANGE 14 WEST OF THE 5TH PRINCIPAL MERIDIAN IN THE CITY OF CEDAR FALLS, BLACK HAWK COUNTY, IOWA, EXCEPT THE SOUTHWEST QUARTER (1/4) OF THE NORTHWEST QUARTER (1/4) OF THE NORTHEAST QUARTER (1/4) THEREOF.

(9) THAT PART OF THE SOUTHWEST QUARTER (1/4) OF THE NORTHWEST QUARTER (1/4) OF THE NORTHEAST QUARTER (1/4) LYING NORTHEASTERLY OF THE LINE FROM THE NORTHWEST CORNER TO THE SOUTHEAST CORNER THEREOF, IN SECTION 22, TOWNSHIP 89 NORTH, RANGE 14 WEST OF THE 5TH PRINCIPAL MERIDIAN IN THE CITY OF CEDAR FALLS, BLACK HAWK COUNTY, IOWA.

(10) THE NORTH 190 FEET OF THE NORTHEAST QUARTER (1/4) OF THE SOUTHWEST QUARTER (1/4) OF THE NORTHEAST QUARTER (1/4) OF SECTION 22, TOWNSHIP 89 NORTH, RANGE 14

WEST OF THE 5TH PRINCIPAL MERIDIAN IN THE CITY OF CEDAR FALLS, BLACK HAWK COUNTY, IOWA.

(11) THAT PART OF THE NORTHEAST QUARTER (1/4) OF THE NORTHEAST QUARTER (1/4) OF THE NORTHWEST QUARTER (1/4) LYING NORTHEASTERLY OF THE LINE FROM THE NORTHWEST CORNER TO THE SOUTHEAST CORNER THEREOF, IN SECTION 22, TOWNSHIP 89 NORTH, RANGE 14 WEST OF THE 5TH PRINCIPAL MERIDIAN IN THE CITY OF CEDAR FALLS, BLACK HAWK COUNTY, IOWA.

Sec. 24-225. Imposition of sewer connection charge; application.

There is hereby imposed on each property located within the district a connection charge for connecting to the 27th Street Sanitary Sewer Extension as follows:

The owner of any property that lies within the district who wishes to connect to the 27th Street Sanitary Sewer Extension shall first make application to the city for connection. No connection shall be made until such application has been approved by the city engineer and until the required connection fee has been paid. This connection charge shall be in addition to all other fees and charges imposed by the city.

(a) The sewer connection charge established in this division shall be in proportion to the area of the benefitted property at a rate of $2,697.65 per acre, payable in cash.

(b) The owner shall be solely responsible for the cost of connection, including but not limited to the cost of connecting structures.

(c) No connection shall be made by any person except direct connection to serve property within the district.

(d) In the event that any property within the district is subdivided and additional structures are permitted thereon, the owner of each such property shall be required to separately comply with the requirements of this section prior to connection.

(e) If connection is made within the district to the 27th Street Sanitary Sewer Extension without application having been made therefore or without approval having been received, or without the required connection charge having been paid, then the city shall be entitled to disconnect at the property owner's cost until such time as application, approval and payment as required in this division is completed.

Sec. 24-226. Timing of payment of sewer connection charge.

Each owner or developer of property which lies within the district and who wishes to file a minor plat or final plat shall apply for connection and upon approval pay a sewer connection charge to the city prior to or at the time of minor plat or final plat approval by the city. This subsection shall be applicable to all minor plat and final plat applications related to any property located within the district filed after the effective date of this ordinance.

Sec. 24-227—24-253. Reserved

INTRODUCED: October 3, 2022

PASSED 1st CONSIDERATION: October 3, 2022

PASSED 2nd CONSIDERATION: October 17, 2022

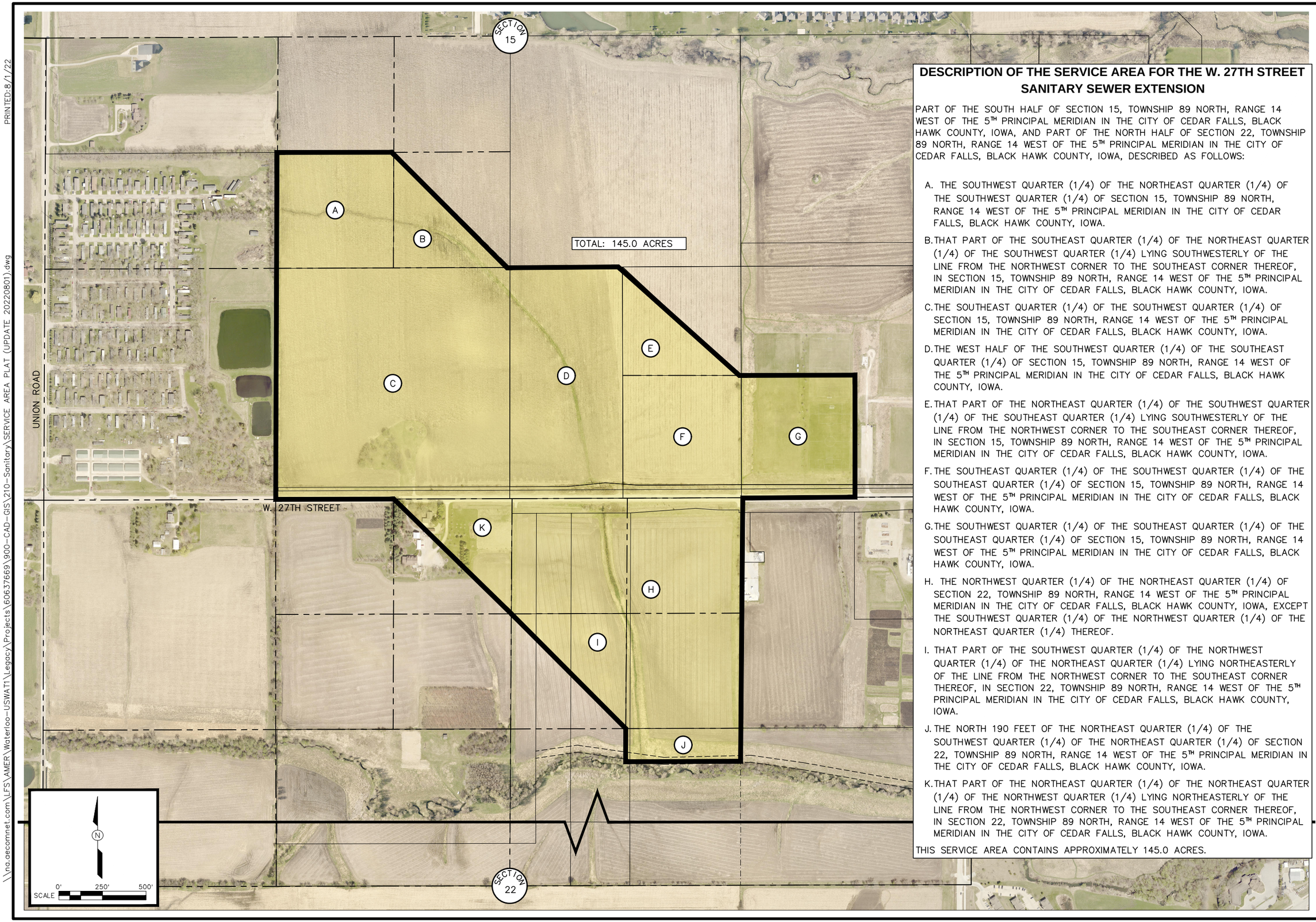
PASSED 3rd CONSIDERATION: _____

ADOPTED: _____

_____
Robert M. Green, Mayor

ATTEST:

_____
Jacqueline Danielsen, MMC, City Clerk



DESCRIPTION OF THE SERVICE AREA FOR THE W. 27TH STREET SANITARY SEWER EXTENSION

PART OF THE SOUTH HALF OF SECTION 15, TOWNSHIP 89 NORTH, RANGE 14 WEST OF THE 5TH PRINCIPAL MERIDIAN IN THE CITY OF CEDAR FALLS, BLACK HAWK COUNTY, IOWA, AND PART OF THE NORTH HALF OF SECTION 22, TOWNSHIP 89 NORTH, RANGE 14 WEST OF THE 5TH PRINCIPAL MERIDIAN IN THE CITY OF CEDAR FALLS, BLACK HAWK COUNTY, IOWA, DESCRIBED AS FOLLOWS:

A. THE SOUTHWEST QUARTER (1/4) OF THE NORTHEAST QUARTER (1/4) OF THE SOUTHWEST QUARTER (1/4) OF SECTION 15, TOWNSHIP 89 NORTH, RANGE 14 WEST OF THE 5TH PRINCIPAL MERIDIAN IN THE CITY OF CEDAR FALLS, BLACK HAWK COUNTY, IOWA.

B. THAT PART OF THE SOUTHEAST QUARTER (1/4) OF THE NORTHEAST QUARTER (1/4) OF THE SOUTHWEST QUARTER (1/4) LYING SOUTHWESTERLY OF THE LINE FROM THE NORTHWEST CORNER TO THE SOUTHEAST CORNER THEREOF, IN SECTION 15, TOWNSHIP 89 NORTH, RANGE 14 WEST OF THE 5TH PRINCIPAL MERIDIAN IN THE CITY OF CEDAR FALLS, BLACK HAWK COUNTY, IOWA.

C. THE SOUTHEAST QUARTER (1/4) OF THE SOUTHWEST QUARTER (1/4) OF SECTION 15, TOWNSHIP 89 NORTH, RANGE 14 WEST OF THE 5TH PRINCIPAL MERIDIAN IN THE CITY OF CEDAR FALLS, BLACK HAWK COUNTY, IOWA.

D. THE WEST HALF OF THE SOUTHWEST QUARTER (1/4) OF THE SOUTHEAST QUARTER (1/4) OF SECTION 15, TOWNSHIP 89 NORTH, RANGE 14 WEST OF THE 5TH PRINCIPAL MERIDIAN IN THE CITY OF CEDAR FALLS, BLACK HAWK COUNTY, IOWA.

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F. THE SOUTHEAST QUARTER (1/4) OF THE SOUTHWEST QUARTER (1/4) OF THE SOUTHEAST QUARTER (1/4) OF SECTION 15, TOWNSHIP 89 NORTH, RANGE 14 WEST OF THE 5TH PRINCIPAL MERIDIAN IN THE CITY OF CEDAR FALLS, BLACK HAWK COUNTY, IOWA.

G. THE SOUTHWEST QUARTER (1/4) OF THE SOUTHEAST QUARTER (1/4) OF THE SOUTHEAST QUARTER (1/4) OF SECTION 15, TOWNSHIP 89 NORTH, RANGE 14 WEST OF THE 5TH PRINCIPAL MERIDIAN IN THE CITY OF CEDAR FALLS, BLACK HAWK COUNTY, IOWA.

H. THE NORTHWEST QUARTER (1/4) OF THE NORTHEAST QUARTER (1/4) OF SECTION 22, TOWNSHIP 89 NORTH, RANGE 14 WEST OF THE 5TH PRINCIPAL MERIDIAN IN THE CITY OF CEDAR FALLS, BLACK HAWK COUNTY, IOWA, EXCEPT THE SOUTHWEST QUARTER (1/4) OF THE NORTHWEST QUARTER (1/4) OF THE NORTHEAST QUARTER (1/4) THEREOF.

I. THAT PART OF THE SOUTHWEST QUARTER (1/4) OF THE NORTHWEST QUARTER (1/4) OF THE NORTHEAST QUARTER (1/4) LYING NORTHEASTERLY OF THE LINE FROM THE NORTHWEST CORNER TO THE SOUTHEAST CORNER THEREOF, IN SECTION 22, TOWNSHIP 89 NORTH, RANGE 14 WEST OF THE 5TH PRINCIPAL MERIDIAN IN THE CITY OF CEDAR FALLS, BLACK HAWK COUNTY, IOWA.

J. THE NORTH 190 FEET OF THE NORTHEAST QUARTER (1/4) OF THE SOUTHWEST QUARTER (1/4) OF THE NORTHEAST QUARTER (1/4) OF SECTION 22, TOWNSHIP 89 NORTH, RANGE 14 WEST OF THE 5TH PRINCIPAL MERIDIAN IN THE CITY OF CEDAR FALLS, BLACK HAWK COUNTY, IOWA.

K. THAT PART OF THE NORTHEAST QUARTER (1/4) OF THE NORTHEAST QUARTER (1/4) OF THE NORTHWEST QUARTER (1/4) LYING NORTHEASTERLY OF THE LINE FROM THE NORTHWEST CORNER TO THE SOUTHEAST CORNER THEREOF, IN SECTION 22, TOWNSHIP 89 NORTH, RANGE 14 WEST OF THE 5TH PRINCIPAL MERIDIAN IN THE CITY OF CEDAR FALLS, BLACK HAWK COUNTY, IOWA.

THIS SERVICE AREA CONTAINS APPROXIMATELY 145.0 ACRES.

NO	REVISIONS	DRN	CHK	DATE

DRN Mueller, Aaron
DES
CHK
APP

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AECOM

W. 27TH STREET SANITARY SEWER EXTENSION

SERVICE AREA EXHIBIT

DATE 8/1/2022
PROJECT NO. 60637669
MILESTONE
SHEET NO. 1 of 1
DRAWING NO. 38

PRINTED:8/1/22
\\na.aecomnet.com\LFS\AMER\Waterloo-USWAT1\Legacy\Projects\60637669\900-CAD-GIS\210-Sanitary\SERVICE AREA PLAT (UPDATE 20220801).dwg

MEETING OF STANDING COMMITTEES
Community Center
October 3, 2022

The meeting of Standing Committee met at the Community Center at 6:20 p.m. on October 3, 2022, with the following Committee persons in attendance: Councilmembers Susan deBuhr, Kelly Dunn, Daryl Kruse, Simon Harding, Dustin Ganfield, Gil Schultz, and Dave Sires. Staff members from all City Departments and members of the community attended in person.

Public Safety Committee:

Chair Ganfield called the meeting to order and introduced the only item on the Public Safety Committee, Review of Fireworks Ordinance and introduced Mark Howard, Acting Police Chief. Acting Chief Howard introduced four different ordinance proposals for council consideration and included the pros and cons. Chair Ganfield opened the meeting for questions. Councilmembers discussed highest volume of calls for specific days, pros and cons of each proposal, yearly education campaign and yearly December resolution adoption deadline. Chair Ganfield opened for public comment, no comments. Mayor Green stated Waterloo has a desire to collaborate in 2023; if Councilmembers opted for option IV that would allow some flexibility to collaborate. It was moved by Kruse and seconded by Harding to include proposal IV into the City of Cedar Falls Code of Ordinance (Section 16-24(b)), It shall be unlawful for any person to use or explode any consumer fireworks within the corporate limits of the City of Cedar Falls except on July 3 and July 4 of each year between the hours of 12:00 noon and 10:30 p.m. Any additional days of allowed use may be designated by resolution of council which, if adopted, shall be adopted no later than the last day of December each year to apply to the following calendar year. This section shall not apply to novelties. The motion was put to vote. Aye: Kruse, Harding, Ganfield, and Dunn; Nay: Schultz, deBuhr, and Sires. Motion carried.

Meeting adjourned at 6:45 p.m.

Minutes by Kim Kerr, Administrative Supervisor

Lea Ann,

Thanks for letting me know, and for your volunteer service on the Planning & Zoning Commission. Looking at your schedule, I propose having your resignation effective on after the last meeting prior to October 26th. Would this work for you? It will be great to have your perspective on P&Z for the next two months.

Please let me know if this proposal sounds OK to you, and again thanks for your time and energy on P&Z these past several years.

Respectfully,
Rob

From: Lea Ann Saul
Sent: Wednesday, June 29, 2022 9:29 AM
To: Rob Green
Cc: Karen Howard
Subject: my P & Z absences are adding up

Mayor Rob Green and Karen,

Wow, just looking at my calendar and realizing that I will be missing 5 meetings the balance of this year. AND I will be living in Florida January through April starting next year.
The dates I will be missing yet this year are as follows:

July 13
July 27
Oct. 26
Nov. 23
Dec. 28

So, with that said, I feel it important to resign the position I dearly love, so that you can find someone who can be present.

I appreciate the work that is done and have thoroughly enjoyed the time on the commission and will greatly miss it. I will defer to you on the date you wish me to discontinue my service.

Thank you for the opportunity to serve the city of Cedar Falls.

LeaAnn Saul

MAYOR ROBERT M. GREEN

CITY OF CEDAR FALLS, IOWA
220 CLAY STREET
CEDAR FALLS, IOWA 50613
319-268-5118 | mayor@cedarfalls.com

FROM: Mayor Robert M. Green

TO: City Council

DATE: October 12, 2022

SUBJECT: **Reappointment of Two Planning and Zoning Commissioners**

REF: (a) Cedar Falls Code of Ordinances §18-19: Planning and Zoning Commission
(b) CFD 1201.22d: Mayor's Appointment Process For Board and Commissions

1. In accordance with the candidacy and qualification requirements of reference (a), I hereby nominate the following individuals for reappointment to the Planning and Zoning Commission for a term of five years:

    a. Mr. Brad Leeper (Reappointment) – term ends 11/01/2027
    b. Ms. Oksana Grybovych (Reappointment) – term ends 11/01/2027

2. Both commissioners have been recommended for reappointment by staff. They have ably carried out their roles as appointed officials by participating actively in the work of the commission, and have met attendance requirements.

3. In addition, I wish to note that Mr. Mardy Holst crossed the twenty year threshold of service on this commission and by my policy in Section 6.A of reference (b), is not being reappointed for an additional term. He was originally appointed by Mayor Ed Stachovic on March 8, 1999. His twenty-three years of volunteer service is a remarkable achievement and a testament to his devotion to Cedar Falls' continual development and improvement. He has graciously offered to continue serving in the future if a qualified new member cannot be found.

4. Please contact me with any questions about these appointments.

Xc: City Administrator
Director of Community Development
Planning and Community Services Manager
Planning and Zoning Commission Chair

###

CIVIL SERVICE COMMISSION
City of Cedar Falls
CEDAR FALLS, IOWA

October 5, 2022

Honorable Mayor Green and City Council
City Hall, 220 Clay Street
Cedar Falls, IA 50613

Mayor Green and City Council Members:

The Civil Service Commission of the City of Cedar Falls, Iowa approved of and authorized administration of a testing instrument for the position of Horticulturist. Listed below are the names of the top ranked candidates with their combined average test scores and applicable Veteran's Preference points. Tied scores are presented in alphabetical order, if applicable.

Rank	Name	Combined Averaged Score	Veteran's Preference Points	Total Points With Preference
1	Douglas Miller	389		389
2	Joshua Ahrenstorff	352		352
3	Jake Gilchrist	284		284
4	Brennan Haag	251		251
5	Corinne Newport	245		245
6	Annastasia Hueber	240		240

Respectfully Submitted,

Paul Lee, Commission Chairperson

Crystal Ford, Commissioner

Cathy Showalter, Commissioner

Orig: Jacque Danielsen, City Clerk
Cc: Chase Schrage, Dir. of Public Works
Brian Heath, Operations & Maintenance Manager
Civil Service Records

DEPARTMENT OF FINANCE & BUSINESS OPERATIONS

CITY OF CEDAR FALLS, IOWA
220 CLAY STREET
CEDAR FALLS, IOWA 50613
319-273-8600
FAX 319-268-5126

MEMORANDUM

TO: Mayor Green and City Council Members

FROM: Bailey Schindel, Human Resources Manager/Human Rights Liaison

DATE: October 10, 2022

SUBJECT: Receive & File FY22 Human Rights Commission Annual Report

Attached for your review is the Cedar Falls Human Rights Commission's Fiscal Year 2022 Annual Report. Human Rights Commissioners will be in attendance at the October 17, Committee Meeting to briefly review the highlights of the report, and be available for any questions you may have.

The Commission asks that the FY22 Annual Report be received and filed at the October 17, 2022, City Council Meeting. If you have questions prior to the meeting, please feel free to contact me at 319-268-5531 or bailey.schindel@cedarfalls.com.

cc: Human Rights Commission

CITY OF CEDAR FALLS, IA

HUMAN RIGHTS COMMISSION

FY2022
ANNUAL REPORT

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NARRATIVE SUMMARY

During FY22 (July 1, 2021 - June 30, 2022) the Cedar Falls Human Rights Commission continued to shift away from work in fact-finding and investigations to more focused work in education, advocacy, outreach and communication. The CFHRC worked to improve the productivity, effectiveness and public image of the Human Rights Commission. A total of 14 meetings were held by the CFHRC, including one work session with city council in July 2021. Commissioner Sonja Bock joined the CFHRC in November of 2021 bringing the total number of members to eight. The local ordinance was revised in February 2022 to increase the Commission membership size from nine to eleven members. Significant recruitment efforts were made throughout the year.

The CFHRC completed substantial preparations for and work on restructuring committees, CFHRC website design and layout, a concern intake form, and concern response guidelines. The Commission now has a foundation in place to provide timely responses to concerns from the public. Work continues with City IT staff support in the launch of the concern form and updated website. The Commission also improved outreach and promotional efforts through increased social media use. An annual calendar was also prepared to assist in this effort by topic matter and city council proclamation guidance.

Throughout the year commissioners participated in and even hosted a variety of diversity and human rights-related activities. These activities included: participating in book studies through UNI Quest (Cultivating Justice), hosting a genealogy event for African American Heritage Month, publicly recognizing multiple local women during Women's History Month, hosting a new member recruitment event, and participating in a Juneteenth informational event.

The CFHRC completed and presented the annual report for FY21 in April 2022. The commission did not hold an annual retreat but plans to in FY23 upon filling all vacant commission seats.

MISSION STATEMENT

The Cedar Falls Human Rights Commission protects Human Rights and promotes Diversity and Equity for ALL through Advocacy, Education and Outreach.

PHILOSOPHY

The Cedar Falls Human Rights Commission is committed to:

1. Providing guidance and resources on the laws regarding discrimination as provided in the State Code of Iowa and City of Cedar Falls Code of Ordinances.
2. Studying and attempting to eliminate discrimination in Cedar Falls.
3. Cooperating with state and federal agencies in law enforcement activities and developing civil rights educational programs.
4. Providing a pro-active approach to the education of the community, employers and employees on human rights issues, including support for local organizations.

PRIMARY COMMITMENT

The Commission is concerned primarily with long-term goals and ways by which those goals are to be achieved. The Commission should establish objectives within its areas of responsibility and then focus on the desired results. There are two overriding questions that commission members should continually be asking themselves:

1. Are we working to achieve our mission on behalf of the community?
2. Given new information, new wisdom, and new possibilities, what should we strive to accomplish for whom and at what cost in the next year? The next five years?

PRINCIPAL RESPONSIBILITIES

The principal responsibilities of the Cedar Falls Human Rights Commission include the following:

1. To advocate for and improve the position of human rights within the community.
2. To establish policies that provide direction for the city, reflect the values of the commission, and comply with applicable federal, state, and local laws and regulations.
3. To establish the long-range vision required to meet local community needs.
4. To plan actively for the future of the commission.
5. To provide spending suggestions to city personnel.

COMMITTEE INFORMATION AND RESPONSIBILITIES

The Chairperson of the CFHRC serves as an ex-officio member to all the subcommittees approved by the CFHRC.

1. Education (members on committee: Beranek, Bock)
    - a. Purpose
        - i. Keep the HRC up to date on current state of the law and HRC relevant events / news
        - ii. Orient new members to the commission
        - iii. Educate commission members on topics relevant to its mission
    - b. Goals
        - i. Make new membership more seamless
        - ii. Make members more comfortable with their knowledge and skill level
    - c. Tasks
        - i. Conduct internal trainings on topics other than complaint process
        - ii. Conduct new member orientations and create relevant materials
2. Outreach (members on committee: Heston, Kivett, Luvert)
    - a. Purpose
        - i. Listen to the community
        - ii. Promote the HRC and our work
    - b. Goals
        - i. Increase awareness of the HRC in the community and what we do
        - ii. Be a listener to community concerns and issues
        - iii. Collaborate with ally groups

c. Tasks
    i. Coordinate public event participation
    ii. Create materials to provide at public events
    iii. Conduct public education events

3. Advocacy (members on committee: Bock, Vajpeyi)
    a. Purpose
        i. Speak on behalf of the HRC on public concerns/issues
        ii. Recommend appropriate actions to involved parties

    b. Goals
        i. Maintain HRC involvement in the local complaint process for those that wish to engage at the city, not state level
        ii. Serve as communication first responders
    c. Tasks
        i. Help complainants fill out forms
        ii. Coordinate ICRC cooperation
        iii. Provide training on the complaint process
        iv. Work with staff on HRC website page
        v. Field community concerns
        vi. Attend City council meetings and work to maintain regular proclamations.
        vii. Provide first response to concerns and issue general statements regarding community public relations incidents
        viii. Receive and respond to complaints and concerns

4. Executive (Chair-Vajpeyi, Vice Chair-Bock, Past Chair-Luvert)
    a. Purpose
        i. Guide and provide structure to regular HRC meetings and serve as experienced group to lead newer members
        ii. Collaborate with other City groups
        iii. Recruit new members
    b. Goals
        i. Provide institutional knowledge continuity with new members
        ii. Recruit new members who will add to the Commission in both ideas and diversity of backgrounds.
    c. Tasks
        i. Ensure committees hold regular meetings
        ii. Set the agenda for regular HRC meetings
        iii. Serve as a liaison with the city.
        iv. Recruit and interview new HRC applicants.
        v. Maintain and revise bylaws
        vi. Create and manage budget
        vii. Create and present annual report

INQUIRY/CONCERN/COMPLAINT INFORMATION

As previously mentioned, the CFHRC's focus has shifted away from formal complaints and investigations to focus on education, advocacy and outreach. Although the Commission's focus has changed, it is still available to hear concerns. Upon hearing a concern, the Commission will then seek to provide appropriate resources and will refer the concern to the appropriate channels to be handled and addressed. The Commission was made aware of and addressed three concerns in FY22. Below is a brief summary of how the CFHRC addressed said concerns.

1. The Commission handled a concern by partnering with Cedar Falls Public Safety for education and information. Education and information then shared with respective party.
2. The Commission provided human rights information and education by sharing resources with respective party.
3. The Commission made the appropriate organization aware of a complaint and urged the organization to investigate and handle appropriately.

ANNUAL BUDGET

Source	Received	Dollars Spent	Dollar Unspent
General Fund	$ 1,500.00	$ 794.34	$ 705.66

ACTIVITIES/EVENTS/TRAINING/CONFERENCES

1. Approval of the FY22 Cooperative Agreement with Iowa Civil Right Commissions
2. Participated in Cedar Valley Pride Fest on August 28, 2021
3. Issued an MLK Publication in the Waterloo Courier and to social media accounts
4. Hosted a Genealogy Event for African American Heritage Month on February 17, 2022
5. Multiple commissioners participated in the UNI Cultivating Justice: A Quest Toward Racial Equity Project
6. Continued work on updating CFHRC website including approving a layout of the concern intake form
7. Finalized and approved concern response criteria and guidelines
8. Presented FY21 annual report to city council in April 2022
9. Suggested the increase of CFHRC members from 9 to 11 which was approved in February 2022
10. Presented certificates to three women during Women's History Month
11. Developed a new member training document
12. Created a calendar of events/proclamations
13. Hosted a new member recruitment event in May 2022
14. Participated in internal disability awareness training and conversations
15. Multiple commissioners participated in short bio-videos for promotion of CFHRC
16. Multiple commissioners attended a Juneteenth information event at the Cedar Falls Public Library

17. Continued work on developing and clarifying committee roles
18. Increased development of use of CFHRC promotional materials

COMMISSIONERS DURING FY21

Name	Appointed	Last Re-Appointment	Term Expires
Jordyn Beranek	01/19/2021		07/01/2024
Sonja Bock-current Vice Chair	11/16/2021	07/01/2022	07/01/2025
Melissa Heston	01/19/2021		07/01/2024
Teri Jorgensen	05/23/2011	07/01/2019	07/01/2022
Dave Kivett	02/01/2021	07/01/2022	07/01/2025
Susan Langan	05/13/2002	07/01/2020	Resigned 06/2022
Spencer Luvert-current Past Chair	07/26/1999	07/01/2020	07/01/2023
Eashaan Vajpeyi-current Chair	04/14/2021		07/01/2023
Mario Basurto	04/14/2021		Resigned 10/2021
Rebecca Whitaker	07/19/2021		Removed

SUPPORT STAFF FOR FY22

Brenda Balvanz, Human Resources Specialist
Jennifer Rodenbeck, Director of Finance & Business Operations
Kevin Rogers, City Attorney
Bailey Schindel, Human Resources Manager

CONTACT INFORMATION

MAILING ADDRESS:	220 Clay Street, Cedar Falls, IA 50613
LOCATION:	City Hall, Finance & Business Operations Department
HOURS:	8:00 a.m. – 5:00 p.m., Monday – Friday
TELEPHONE:	(319) 273-8600
FAX:	(319) 268-5126
REGULAR MEETINGS:	Second Monday of most months at 6:00 p.m.
MEETING LOCATION:	Cedar Falls City Hall

WEBSITE: https://www.cedarfalls.com/86/Human-Rights-Commission

SOCIAL MEDIA: https://www.facebook.com/HumanRightsCF/

https://twitter.com/Human_Rights_CF

Iowa Department of REVENUE

Iowa Retail Permit Appli for Cigarette/Tobacco/Nicotine/Vapor

Item 12.

tax.iowa.gov

Instructions on the reverse side

For period (MM/DD/YYYY) 10 / 17 / 2022 through June 30, 2023

I/we apply for a retail permit to sell cigarettes, tobacco, alternative nicotine, or vapor products:

Business Information:

Trade name/Doing business as: Great Wall China

Physical location address: 2125 College St Suite D City: Cedar Falls ZIP: 50613

Mailing address: 2125 College St City: Cedar Falls State: IA ZIP: 50613

Business phone number: 319-277-8899

Legal Ownership Information:

Type of Ownership: Sole Proprietor ☐ Partnership ☐ Corporation ☐ LLC ☒ LLP ☐

Name of sole proprietor, partnership, corporation, LLC, or LLP Baba Fareed LLC

Mailing address: 610 Iowa St City: Cedar Falls State: IA ZIP: 50613

Phone number: 201-234-1684 Fax number: _____ Email: _____

Retail Information:

Types of Sales: Over-the-counter ☒ Vending machine ☐

Do you make delivery sales of alternative nicotine or vapor products? (See Instructions) Yes ☐ No ☒

Types of Products Sold: (Check all that apply)
Cigarettes ☒ Tobacco ☒ Alternative Nicotine Products ☒ Vapor Products ☒

Type of Establishment: (Select the option that best describes the establishment)

Alternative nicotine/vapor store ☐ Bar ☐ Convenience store/gas station ☐ Drug store ☐
Grocery store ☐ Hotel/motel ☐ Liquor store ☐ Restaurant ☒ Tobacco store ☐
Has vending machine that assembles cigarettes ☐ Other ☐ _____

If application is approved and permit granted, I/we do hereby bind ourselves to a faithful observance of the laws governing the sale of cigarettes, tobacco, alternative nicotine, and vapor products.

Signature of Owner(s), Partner(s), or Corporate Official(s)

* Name (please print): GHULAM FQURESHI Name (please print): _____

Signature: _____ Signature: _____

Date: 09-21-22 Date: _____

Send this completed application and the applicable fee to your local jurisdiction. If you have any questions contact your city clerk (within city limits) or your county auditor (outside city limits).

FOR CITY CLERK/COUNTY AUDITOR ONLY – MUST BE COMPLETE

- Fill in the amount paid for the permit: $75.00
- Fill in the date the permit was approved by the council or ~~board~~: _____
- Fill in the permit number issued by the city/~~county~~: _____
- Fill in the name of the city or ~~county~~ issuing the permit: Cedar Falls
- New ☒ Renewal ☐

Send completed/approved application to Iowa Alcoholic Beverages Division within 30 days of issuance. Make sure the information on the application is complete and accurate. A copy of the permit does not need to be sent; only the application is required. It is preferred that applications are sent via email, as this allows for a receipt confirmation to be sent to the local authority.

- Email: iapledge@iowaabd.com
- Fax: 515-281-7375

DEPARTMENT OF PUBLIC SAFETY SERVICES

POLICE OPERATIONS
CITY OF CEDAR FALLS
4600 SOUTH MAIN STREET
CEDAR FALLS, IOWA 50613

319-273-8612

MEMORANDUM

To: Mayor Green and City Councilmembers

From: Craig Berte, Public Safety Services Director
Mark Howard, Acting Police Chief

Date: October 10, 2022

Re: Beer/Liquor License Applications

Police Operations has received applications for liquor licenses and/ or wine or beer permits. We find no records that would prohibit these license and permits and recommend approval.

Name of Applicants:

a) Hilton Garden Inn, 7213 Nordic Drive, Class B liquor, Class B native wine & outdoor service - renewal.

b) Fareway Store, 4500 South Main Street, Class E liquor – renewal.

c) Great Wall of China, 2125 College Street, Class C beer & Class B wine - new.

DEPARTMENT OF FINANCE AND BUSINESS OPERATIONS

CITY OF CEDAR FALLS, IOWA
220 CLAY STREET
CEDAR FALLS, IOWA 50613
PHONE 319-273-8600
FAX 319-268-5126

MEMORANDUM

Human Resources Division

TO: Mayor Green, City Council

FROM: Bailey Schindel, HR Manager

DATE: October 11, 2022

SUBJECT: Personnel Policy Changes

Attached to this Memorandum please find proposed changes to Personnel Policies 204, Hiring/Rehiring; 504, Educational Assistance; and 704 Leaves of Absence. Also attached is a proposed new Personnel Policy 222, Nepotism. This memorandum will serve to generally explain the proposed changes. Reference to the policies themselves is recommended for review of specific language. The changes are presented in red line form for ease of review.

Personnel Policy 204, Hiring/Rehiring.

While it may appear that the proposed changes are extensive, actually the changes are meant to simplify and clarify when immediate family members may and may not be considered for employment, and also to move any language of hiring immediate family to the newly created Personnel Policy 222, Nepotism. The changes are explained as follows.

- Determination of hiring immediate family members is now based on the supervisor/subordinate relationship, rather than placement within a department/division. The language clarifies situations in which immediate family members would not be considered for employment and situations in which immediate family members may be considered for employment.
- Simplifies verbiage in the definition of “immediate family” and eliminates some extended family relationships.
- Modifies exceptions to the policy to be open to all classifications of employees, and approval of exceptions changed from Director of Finance and Business to City Administrator.
- Expands requirements and protocol should employees marry or become immediate family to include a 14 day notification requirement and a timeline and process for reassignment, transfer, or termination.
- Moves all language regarding hiring of immediate family to the newly created Personnel Policy 222, Nepotism.

Personnel Policy 504, Educational Assistance.

The main proposed change adds permanent part-time employees as eligible employees for educational assistance on a pro-rated basis based on the number of hours worked, not to exceed a maximum reimbursement of $3806.25.

Other minor changes clarify that tuition assistance approval is given by the City’s executive management team or designee, submission of certified transcript changed to “sufficient proof” of grades, the Tuition

Assistance Approval Form was added to the end of the policy, and a few minor language corrections.

Personnel Policy 704, Leaves of Absence.

This change simply modifies the definition of “immediate family” to conform with that in the Personnel Policy 222, Nepotism.

Personnel Policy 222, Nepotism.

This new policy was created to remove nepotism language from Personnel Policy 204, Hiring/Rehiring and into its own dedicated policy.

Staff recommends approval of these Personnel policy changes.

Please feel free to contact me if you have any questions.

204: HIRING/REHIRING

Policy:

It is the Policy of the City of Cedar Falls to be an equal opportunity employer and to hire individuals solely upon the basis of their qualifications and ability to do the job to be filled.

Comment:

(1) At the Department Director's discretion, job openings may be filled from within, if qualified internal applicants are known to be available. In addition, the City normally will give consideration to any known qualified individuals who are on layoff status.

(2) If candidates from within the City are to be considered for job openings, the Finance & Business Operations Department will post full-time openings at least ten days before the application deadline on City bulletin boards in accordance with Iowa Law and will post openings for part-time positions as least five days before the application deadline. Civil Service laws and collective bargaining agreements shall govern when applicable.

(3) If candidates from outside City employment are to be considered for job openings, the Finance & Business Operations Department will be responsible for recruiting the candidates and should use recruitment methods and sources it considers appropriate to fill the openings. Civil Service laws and collective bargaining agreements shall govern when applicable.

(4) If the background, medical or any other subsequent investigation discloses any misrepresentation on the resume or application form, or information indicating that the individual is not suited for employment with the City, the applicant will be refused employment or, if already employed, may be terminated. (See ***205: Medical Procedures***.)

~~(4)~~(5) If the candidate in consideration for hire or rehire is an immediate family member of a current employee or would otherwise create a conflict of interest, the situation will be handled pursuant to **222: Nepotism.**

~~(5) A member of an employee's immediate family may be considered for employment by the City, if the applicant possesses all the qualifications for employment and if the applicant would work in a different Department. Consideration may be given to applicants for positions within the same department if the applicant would work in a different Division than an immediate family member. Applicants will not be hired within the same Division as an immediate family member. An immediate family member will not be hired if the employment would:~~

~~(a) Create either a direct or indirect supervisor/subordinate relationship with a family member; or~~

~~(b) Create either an actual conflict of interest or the appearance of a conflict of interest.~~

(1) A member of an employee's immediate family will not be considered for employment by

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204: HIRING/REHIRING

the City if such employment would:

(a) Create a direct supervisor/subordinate relationship; or
(b) Create a conflict of interest as determined by the City Administrator.

(2) A member of an employee's immediate family may be considered for employment by the City if the immediate family member possesses all the qualifications for the position and if:

(a) No direct supervisor/subordinate relationship or conflict of interest is created (see above); and
(b) The immediate family member is assigned to a different Department than the employee; or
(c) If assigned to the same Department the immediate family member is assigned to a different Division than the employee; or
(d) If assigned to the same Division the immediate family member is assigned to a different Shift or Section than the employee.

Instances of indirect supervision may occur between supervisor/subordinate. This policy pertains to direct supervision only, unless a conflict of interest is otherwise created.

These criteria ~~also~~ will ~~be considered when~~ apply to all employment decisions including: hiring, rehiring, assigning, transferring, ~~or~~ promoting, or demoting an employee.

For purposes of this policy, "immediate family" includes: the employee's spouse (including domestic partner or common law spouse), siblings (including step)~~brother, sister~~, parents(including step, foster, legal guardian, and in-laws), children (including step, foster, ward, and in-laws), ~~step-children, father-in-law, mother-in-law, sister-in-law, brother-in-law, daughter-in-law, son-in-law, aunt, uncle, niece, nephew, first cousin,~~ and any other person residing in the employee's household of a non-platonic relationship. Any other relationship not mentioned above causing a conflict of interest will be handled as determined by the City Administrator.

Exceptions to this policy may be considered ~~for part-time, seasonal or special purpose employees~~ provided an immediate family member is not a direct supervisor and as approved by the Department Director and the City Administrator~~Director of Finance & Business Operations~~.

Employees hired prior to July 1, 2004, are exempt from application of this policy section to the extent it applies to their current position.

(~~6~~) (3) Employees who marry or become ~~members of the same household may continue employment provided the provisions of Comment (5) are satisfied.~~immediate family (as defined above) during the course of employment are required to inform their supervisor of the relationship as soon as possible, but no later than 14 days after the relationship is established. Violation of this policy will subject the employee(s) to disciplinary action, up to and including termination. Employees who violate this policy forfeit their right of transfer/reassignment.

204: HIRING/REHIRING

Should the above situation occur, ~~the City will attempt to find a suitable position within the City to which one of the affected employees may transfer. If accommodations of this nature are not feasible, the employees will be permitted to determine which of them will resign.~~ a decision will be made by management within 30 days of notification regarding which employee shall transfer or be reassigned, if possible, or who will terminate employment. Factors to be considered in this determination include, but are not limited to: position held, rank, seniority, past performance and fulltime employment status. The transfer, reassignment, or termination decision made by management shall be finalized and effective within a maximum of 90 days from the date in which the immediate family relationship was established. When one ~~spouse~~ immediate family member leaves ~~the~~ City~~'s~~ employment, re-employment rights while the other ~~spouse~~ immediate family member remains are determined by comment (~~5~~1 & 2).

Commented [BS1]: All content in old 5 & 6 moved to 222: Nepotism

(~~7~~6) New employees generally will be hired at the starting rate assigned to their job range. Supervisors may recommend higher or lower starting rates depending on an applicant's experience or skill level or other competitive considerations. These recommendations must be reviewed and approved before implementation by the Department Director (or the City Administrator if a director position) and the Director of Finance & Business Operations.

(7~~8~~) Former employees who left City employment in good standing may be considered for reemployment. Former employees who resigned or retired without proper advance written notice pursuant to ***213: Termination of Employment,*** *or* ***214: Retirement***, or who were dismissed for disciplinary reasons will not be considered for reemployment. A former employee who is reemployed will be considered a new employee from the date of employment unless the break in service is less than thirty days and the employee is reemployed in the same or equivalent position.

Amended	1/1/05
	7/1/06
	2/13/12
	6/1/15
	3/1/19
	10/17/22

204: HIRING/REHIRING

Policy:

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Comment:

(1) At the Department Director's discretion, job openings may be filled from within, if qualified internal applicants are known to be available. In addition, the City normally will give consideration to any known qualified individuals who are on layoff status.

(2) If candidates from within the City are to be considered for job openings, the Finance & Business Operations Department will post full-time openings at least ten days before the application deadline on City bulletin boards in accordance with Iowa Law and will post openings for part-time positions as least five days before the application deadline. Civil Service laws and collective bargaining agreements shall govern when applicable.

(3) If candidates from outside City employment are to be considered for job openings, the Finance & Business Operations Department will be responsible for recruiting the candidates and should use recruitment methods and sources it considers appropriate to fill the openings. Civil Service laws and collective bargaining agreements shall govern when applicable.

(4) If the background, medical or any other subsequent investigation discloses any misrepresentation on the resume or application form, or information indicating that the individual is not suited for employment with the City, the applicant will be refused employment or, if already employed, may be terminated. (See ***205: Medical Procedures***.)

(5) If the candidate in consideration for hire or rehire is an immediate family member of a current employee or would otherwise create a conflict of interest, the situation will be handled pursuant to **222: Nepotism.**

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204: HIRING/REHIRING

Amended 1/1/05
7/1/06
2/13/12
6/1/15
3/1/19
10/17/22

504: EDUCATIONAL ASSISTANCE

Policy:

It is the Policy of the City of Cedar Falls to provide educational assistance to its employees in accordance with the guidelines established below.

Comment:

(1) Funding limitations may preclude the City from offering any educational assistance. The City reserves the right to alter, modify or discontinue this program at any time.

(2) Employees, to be eligible for educational assistance, must have regular full-time or permanent part-time status and at least one year of service. Educational assistance related to the employee's present job and/or ~~work related~~work-related licensure or certification may be provided to any employee even in the first year of employment if approved by employee's manager and director. Decisions on whether to grant educational assistance will be determined on an individual basis.

(3) Eligible employees will be reimbursed or the City will directly pay for courses of study which the City determines are directly related to the employee's present job, are required to maintain work related licensure or certification, or which will enhance the employee's current work performance. These training and continuing education classes shall be approved by the employee's manager and director prior to attendance. In addition, the City is offering educational assistance that relates to the pursuit of a degree that may allow the employee potential for advancement to a position within the City and to which the individual has a reasonable expectation of advancing. ~~In addition, c~~Courses or programs to be eligible for reimbursement must be offered by accredited institutions of learning or individuals, groups or organizations generally recognized as competent, authoritative and professional in their course offerings.

(4) Employees who want tuition related educational assistance shall complete the Tuition Assistance Approval Form and must receive a positive recommendation from the employee's manager and then obtain approval from the City's ~~educational assistance committee~~ executive management team or designee before enrollment. Supervisors must note the funding for the assistance before making a positive recommendation.

(5) The City's educational assistance committee and supervisors normally are to consider the following factors in evaluating requests for educational assistance:

(a) The nature and purpose of the course of study;

(b) The benefits to be derived by the employee and the City;

(c) The employee's level of responsibility and length of service;

504: EDUCATIONAL ASSISTANCE

(d) The estimated cost;
(e) Any potential lost time or productivity while the employee participates in the program; and

(f) That adequate funding exists.

(6) In order to be reimbursed, the employee must successfully complete the course with a "C" or higher grade (or a "Passing" grade if a Pass/Fail class), and if the course recognizes successful completion with an acknowledgement, certificate, license or diploma, the same must be attained by the employee. In any case the employee shall be required to provide proof of successful completion. The City may choose to make payment directly to the person or entity offering the course rather than reimburse the employee.

(7) Employees may be required to enter into an agreement with the City which may impose conditions on reimbursement different than or in addition to those contained in this policy.~~, at the sole discretion of the City.~~

(8) Employees seeking reimbursement for tuition related educational expenses must first submit a Tuition Reimbursement form that has been approved by their manager and director to the Department of Finance & Business Operations, sufficient proof ~~a certified transcript~~ of the grades, and receipts for the expenses incurred. The City will then reimburse to the employee the applicable percentage of the cost of tuition, textbooks, registration, and laboratory and library fees. However, employees who take courses at the specific request or direction of management may be reimbursed for all costs in advance.

(9) Employees who are terminated during enrollment because of a reduction in force or job elimination will be reimbursed for the full amount of the costs incurred up to the date of termination. Employees who, prior to completing an approved course, voluntarily leave the City or are terminated for reasons other than those listed above will not be reimbursed for the expenses associated with the course.

(10) If, within 48 months of receiving any tuition reimbursement, an employee voluntarily terminates his/her employment, or if employment is terminated for any act or failure to act that is in contravention of law, City policies, or if in the judgment of the City the employee is deemed unsuitable or unfit for employment, then the employee shall repay the City for the tuition reimbursement. The amount repaid to the City will be prorated by month based on 48 months. For example, if an employee leaves employment 24 months after receiving the reimbursement, the employee will be required to repay the City 50% of the tuition reimbursement (24/48 months). The employee shall repay the City through a payroll deduction and/or personal check. The City may pursue repayment after the employee's employment is terminated. The maximum amount of tuition related educational assistance a regular full-time ~~the~~ employee may apply for in a given calendar year is $5,250. This coincides with the maximum non-taxable amount of tuition reimbursement allowed under Federal Code. The maximum

amount of tuition related educational assistance a permanent part-time employee may apply for in a given calendar year will be pro-rated based on the number of hours worked, not to exceed a maximum reimbursement of $3,806.25. Employees should refer to state tax laws for taxability of educational assistance.

(11) Employees are expected under normal circumstances to schedule class attendance and the completion of study assignments outside of their regular working hours. (For educational leaves of absence, see ***704: Leaves of Absence***.) It is expected that educational activities will not interfere with the employee's work, and unsatisfactory job performance during enrollment may result in forfeiture of educational assistance and termination of employment.

(12) Records of all educational programs completed by each employee will be maintained by the Department of Finance & Business Operations.

Amended 6/1/15
3/1/19
1/6/20
10/17/22

504: EDUCATIONAL ASSISTANCE

City of Cedar Falls Tuition Assistance Approval Form

Review the City's personnel manual for details about the Tuition Assistance Program

Instructions for Employees

1. Prepare and discuss Professional Career Development Plan with your manager and director.
2. Discuss proposed courses and degree with your supervisor to ascertain that it is job-related and reimbursable.
3. Complete this form, print, sign and submit to your supervisor for approval prior to course registration.
4. Upon completion of each course/semester, complete and submit the Tuition Assistance Reimbursement Form and required documentation to your supervisor for approval for reimbursement.

Employee Information

Name Employee # Date

Department Division Position

Degree Objective

☐ AA ☐ BA/BS ☐ MA/MS ☐ MBA Area of Study

How will the education maintain or improve the skills required in your employment with the City of Cedar Falls?

Institution and Program Information

School Name Accredited by (Agency)

Start Date Estimated Degree Completion Date

Estimated expenses per semester (include tuition, fees and books) $

Estimated number of semesters x

Total estimated cost $

NOTE: Be sure to identify the specific courses you anticipate taking and the anticipated completion dates in the first two columns on the next page.

Employee Acknowledgement

I, the undersigned employee of the City of Cedar Falls agree that in consideration of any tuition reimbursement received from the City, if within 48 months of receiving an tuition reimbursement, I voluntarily terminate my employment with the City, or if my employment is terminated for any act or failure to act that is in contravention of law, City policies, or if in the judgment of the City I am unsuitable or unfit for employment, then I will reimburse the city based upon the reimbursement schedule in the City's personnel policies. I hereby grant permission to the City to withhold from my pay such sums as are sufficient to fully reimburse the City, subject to federal and state wage garnishment limitations. I understand the City may seek reimbursement after my employment. I further understand that any tuition assistance/reimbursement may be subject to federal state tax withholding.

Employee Signature *Date*

Approvals

Employee's Manager Date

Employee's Director Date

Director of Finance & Business Operations Date

Employee to retain a copy and send signed copies to: Finance & Business Operations Revised August 2019

City of Cedar Falls Tuition Assistance Approval Form

- First two columns to be completed by Employee as part of the request for approval.
- Last three columns to be completed by Finance & Business Operations as part of the tuition assistance tracking process.

To Be Completed by Employee		To Be Used for Tracking by RCM and Finance & Accounting		
Anticipated Course(s) in Program - *Please Name*	**Anticipated Date of Completion**	**Reimbursement Form Received**	**Amount Reimbursed**	**Date Reimbursed**

504: EDUCATIONAL ASSISTANCE

Policy:

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Comment:

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(2) Employees, to be eligible for educational assistance, must have regular full-time or permanent part-time status and at least one year of service. Educational assistance related to the employee's present job and/or work-related licensure or certification may be provided to any employee even in the first year of employment if approved by employee's manager and director. Decisions on whether to grant educational assistance will be determined on an individual basis.

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(b) The benefits to be derived by the employee and the City;

(c) The employee's level of responsibility and length of service;

(d) The estimated cost;

(e) Any potential lost time or productivity while the employee participates in the

504: EDUCATIONAL ASSISTANCE

program; and

(f) That adequate funding exists.

(6) In order to be reimbursed, the employee must successfully complete the course with a "C" or higher grade (or a "Passing" grade if a Pass/Fail class), and if the course recognizes successful completion with an acknowledgement, certificate, license or diploma, the same must be attained by the employee. In any case the employee shall be required to provide proof of successful completion. The City may choose to make payment directly to the person or entity offering the course rather than reimburse the employee.

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maximum reimbursement of $3,806.25. Employees should refer to state tax laws for taxability of educational assistance.

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(12) Records of all educational programs completed by each employee will be maintained by the Department of Finance & Business Operations.

Amended 6/1/15
3/1/19
1/6/20
10/17/22

504: EDUCATIONAL ASSISTANCE

City of Cedar Falls Tuition Assistance Approval Form

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4. Upon completion of each course/semester, complete and submit the Tuition Assistance Reimbursement Form and required documentation to your supervisor for approval for reimbursement.

Employee Information

Name Employee # Date

Department Division Position

Degree Objective

☐ AA ☐ BA/BS ☐ MA/MS ☐ MBA Area of Study

How will the education maintain or improve the skills required in your employment with the City of Cedar Falls?

Institution and Program Information

School Name Accredited by (Agency)

Start Date Estimated Degree Completion Date

Estimated expenses per semester (include tuition, fees and books) $

Estimated number of semesters x

Total estimated cost $

NOTE: Be sure to identify the specific courses you anticipate taking and the anticipated completion dates in the first two columns on the next page.

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Employee Signature *Date*

Approvals

Employee's Manager Date

Employee's Director Date

Director of Finance & Business Operations Date

Employee to retain a copy and send signed copies to: Finance & Business Operations Revised August 2019

City of Cedar Falls Tuition Assistance Approval Form

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To Be Completed by Employee		To Be Used for Tracking by RCM and Finance & Accounting		
Anticipated Course(s) in Program - *Please Name*	**Anticipated Date of Completion**	**Reimbursement Form Received**	**Amount Reimbursed**	**Date Reimbursed**
			TOTAL:	

Employee to retain a copy and send signed copies to: Finance & Business Operations

Revised August 2019

704: LEAVES OF ABSENCE

Policy:

It is the policy of the City of Cedar Falls to grant employees extended leaves of absence under certain circumstances. Except as stated below, employees will not receive compensation during a leave of absence.

Comment:

(1) Family and Medical Leave: The City will comply with the provisions of the federal Family and Medical Leave Act (hereinafter referred to as "FMLA").

General Provisions:
In accordance with the Family and Medical Leave Act, the City will grant unpaid family and medical leave to eligible employees for up to 12 weeks per 12 month period for any one or more of the following reasons:

a. The birth of a child or placement of a child with the employee for adoption or foster care. Birth and bonding must be taken as a continuous block of leave unless the Director allows intermittent leave.

b. To care for a spouse, child, or parent who has a serious health condition; or

c. For a serious health condition that makes the employee unable to perform the essential functions of their job.

d. For any qualifying exigency arising out of the fact that a spouse, son, daughter, or parent is a military member on covered active duty or call to covered active duty status.

An eligible employee may also take up to 26 workweeks of leave during a "single 12-month period" to care for a covered service member with a serious injury or illness, when the employee is the spouse, son, daughter, parent, or next of kin of the service member. The single 12-month period for leave to care for a covered service member (both current service members and veterans) with a serious injury or illness begins on the first day you take leave for this reason and ends 12 months later, regardless of the 12- month period established by your employer for other types of FMLA leave. You are entitled to a combined total of 26 workweeks of leave for any FMLA-qualifying reason during the “single 12-month period.” (Up to 12 of the 26 weeks may be for an FMLA-qualifying reason other than to care for a covered service member.)

Eligibility:
To be eligible for FMLA leave, an employee must be employed by the City for at least 12 months and have worked at least 1,250 hours for the City over the 12 month period immediately preceding the leave. The 12 months of employment do not have to be consecutive. Employees applying for and granted a FMLA leave are required to meet notification and documentation requirements as outlined further in this policy. Failure to meet these requirements may result in

the denial or revocation of FMLA leave.

Definitions:

a. "12-Month Period" will be calculated as the "rolling" 12 month period measured backward from the date an employee uses any FMLA leave.

b. "Spouse" includes all individuals in legal marriages as defined or recognized in a state where the individual was married ("place of celebration"), and includes individuals in same-sex and common law marriages. A spouse also includes a husband or wife in a marriage that was validly entered into outside of the United States if it could have been entered into in at least one state. If both spouses work for the City, and are both eligible for FMLA leave, both spouses will be limited to a combined total of 12 weeks of FMLA leave in a 12 month period for anyone or all of the following reasons: birth of a child and bonding with the newborn child; placement of a child with the employee for adoption or foster care and bonding with newly-placed child; or to care for a parent with a serious health condition. This limitation does not apply in cases of leave to care for the serious health condition of the employee's spouse or child, or because of the employee's own serious health condition.

   Eligible spouses who work for the same employer are also limited to a combined total of 26 workweeks of leave in a single 12-month period to care for a covered service member with a serious injury or illness (commonly referred to as "military caregiver leave") if each spouse is a parent, spouse, son or daughter, or next of kin of the service member. When spouses take military caregiver leave as well as other FMLA leave in the same leave year, each spouse is subject to the combined limitations for the reasons for leave listed above.

c. "Child" means a child either under 18 years of age, or 18 years of age or older who is incapable of self-care because of a mental or physical disability. An employee's "child" is one for whom the employee has day-to-day responsibility for care and includes a biological, adopted, foster, stepchild, a legal ward, or a child of a person standing in loco parentis. The age limitation does not apply to employees applying for a FMLA military related leave.

d. "Serious Health Condition" means an illness, injury, impairment or a physical or mental condition that involves:

   1. conditions requiring an overnight stay in a hospital or other medical care facility; or

   2. conditions that incapacitate you or your family member (for example, unable to work or attend school) for more than three consecutive days and have ongoing medical treatment (either multiple appointments with a health care

provider, or a single appointment and follow-up care such as prescription medication); or

3. chronic conditions that cause occasional periods when you or your family member are incapacitated and require treatment by a health care provider at least twice a year; or

4. pregnancy (including prenatal medical appointments, incapacity due to morning sickness, and medically required bed rest).

Intermittent or Reduced Leave:
An employee may take leave intermittently (minimum of 15 minute increments) or on a reduced leave schedule when medically necessary to care for an immediate family member with a serious health condition or because of a serious health condition of the employee. "Medically necessary" means that there must be a medical need for the leave and the leave can best be accomplished through an intermittent or reduced leave schedule. The employee may be required to transfer temporarily to a position with equivalent pay and benefits that better accommodates recurring periods of leave. The employee must make a reasonable effort to schedule treatment(s) so as not to unduly disrupt the City's operations. If an employee requests reduced or intermittent leave, once the intermittent or reduced leave has been completed, the employee must be transferred back to the same position that the employee held prior to taking the FMLA leave or to an equivalent position. An employee may take leave intermittently or on a reduced leave schedule for birth or placement for adoption or foster care of a child only with the Director's approval. Leave due to qualifying exigencies may also be taken on an intermittent basis.

Employee Notice Requirement:
An employee is generally required to give thirty (30) days' notice in the event of a foreseeable leave. When 30 days' notice is not possible, the employee must provide notice as soon as practicable and generally must comply with the City's normal call-in procedures. Employees must provide sufficient information for the employer to determine if the leave may qualify for FMLA protection and the anticipated timing and duration of the leave. Sufficient information may include that the employee is unable to perform job functions; the family member is unable to perform daily activities, the need for hospitalization or continuing treatment by a health care provider, or circumstances supporting the need for military family leave. Employees also must inform the employer if the requested leave is for a reason for FMLA leave that was previously taken or certified. Employees also may be required to provide a certification and periodic recertification supporting the need for leave.

A "Leave of Absence Request" form should be obtained from the Human Resources Division, completed by the employee, signed by his/her supervisor and Department Director, and returned to the Human Resources Division for processing and forwarding of additional forms that may be required to complete as explained below.

Response to Employees:
As a FMLA covered employer, the City will provide employees with a Notice of Eligibility and Rights & Responsibilities form within five business days of receiving a leave request or

becoming aware of the need for FMLA leave. The City's response will establish whether the employee is eligible for FMLA leave and will notify the employee of their rights and responsibilities under the FMLA.

Certification and Designation

The City may require certification in support of the leave from a healthcare provider no later than fifteen (15) calendar days after applicable Department of Labor form(s) are provided for the employee's own or a qualified family member's serious health condition. Upon receipt, the employee will be notified by Human Resources whether the leave will be designated as FMLA leave and the amount of leave that will be deducted from the employee's FMLA entitlement. Military related leave requests require completion of the applicable Department of Labor form available from and returned to Human Resources staff.

For an employee's own medical leave, the City may require a second or third opinion at the City's expense as well as periodic reports on the employee's status.

If the employee has not returned medical certification within 15 calendar days as stated on the Notice of Eligibility and Rights & Responsibilities, the City is not aware of extenuating circumstances, and the City is unable to determine if the need for leave qualifies for FMLA, the City will notify the employee in writing that the FMLA leave request has been denied, using the Designation Notice.

When an employee is on leave and information received by Human Resources deems it to meet FMLA criteria, the City shall designate the leave as FMLA without receiving a FMLA leave request from the employee and without requiring the completion of the applicable medical certification form. Where applicable, employees who are on any approved leave of absence, whether work related or not, who also qualify for FMLA leave shall be required to use FMLA leave concurrently with such other leave of absence.

Return to Work Authorization

A release to duty from the employee's health care provider must be provided to the Human Resources Division prior to returning to work. If a fitness-for-duty appointment is deemed necessary by the City based on position duties, the employee will be asked to have a fitness-for-duty examination by a health care provider selected by the City, at the City's expense.

Effect on Benefits:

Vacation, seniority and other benefits will continue to accrue during an unpaid leave unless such leave exceeds thirty (30) consecutive calendar days, in which case no benefits shall accrue during the entire leave. Accrual of benefits for employees on intermittent leave or on a reduced work schedule may be calculated on a pro-rata basis in proportion to their work schedule. No proration of benefit accruals shall occur if employees maintain full-time work status (at least 32 hours per week) or the equivalent of full-time work status is covered with the use of earned benefits.

Continuation of Health Insurance:

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An employee on FMLA leave may remain a participant in the City's health insurance plan throughout the duration of the leave, as if actively employed. The employee will be required to pay the same cost of coverage as if actively at work. Employee contributions will be required either through payroll deduction or by direct payment to the City. The employee will be informed of the amount and method of payment at the beginning of the leave. Loss of insurance coverage may result if the premium amount is more than 30 days late. The City will provide written notice to the employee that the payment has not been received and allow at least 15 days after the date of the letter before coverage stops. If the employee misses a premium payment and the City pays the employee's contribution, the employee will be required to reimburse the City for the delinquent payment upon return from the leave. If an employee does not return to work, the City may require reimbursement for the share of the premiums it paid during the FMLA leave.

Return to Work:
An employee returning from FMLA leave is entitled to return to the position held when the leave began, if that position is vacant. If the position is not vacant, the employee must be returned to an equivalent position with equivalent benefits, pay and other conditions. Employees are required to provide at least 72 hours advance notice of their return to work after such leave, unless this requirement is waived by the employee's supervisor and by the Human Resources Division.

(2) Other Leaves of Absences: Employees generally are eligible for leaves of absence if they have completed at least 12 months of service, or as specified by law. The granting and duration of each leave of absence and the compensation received by the employee, if any, during the leave of absence will be determined by the City in conjunction with applicable federal and state law and in accordance with the City's best interest.

Requests for a leave of absence or any extension of a leave shall generally be submitted in writing to the employee's Department Director 30 days prior to commencement of the leave period, or as soon as is practicable. The final decision concerning the request will be made by the Department Director, after consultation with the Human Resources Division. All employees on approved leave are expected to report any change of status in their need for a leave or their intention to return to work to their Department Director.

The following types of leaves will be considered:

(a) Extended Family and Medical Leave (Non-FMLA). In cases where an employee is not eligible for FMLA leave and the employee's leave duration would typically qualify for FMLA, the employee may be granted a leave of absence.

Approval for such leave must be granted by the Department Director or by the City's Risk Management Committee if the leave exceeds two (2) consecutive weeks. The length of any such leave will be governed by individual circumstances, but in most cases such extended leave should not exceed 12 weeks in any 12 month period. At least 72 hours' notice is required in advance of the employee's return to work date, unless this requirement is waived by the employee's Department Director and by the Human Resources Division.

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(b) Pregnancy not covered under FMLA: Pregnant employees who are not eligible for FMLA leave shall be granted a leave of absence for the period that the employee is disabled because of the pregnancy, childbirth or other related medical conditions, or for eight weeks as provided by Iowa law, whichever is less.

(c) Other sick leave not covered under FMLA: See Policy **706: Sick Leave**

(d) Personal Leave of Absence: Employees may be granted a leave of absence to attend to personal matters in cases in which the City determines that an extended period of time away from the job will be in the best interests of the employee and the City.

(e) Military Leave of Absence: See Policy ***707: Military Leave***

(f) Educational Leave of Absence: Employees who want to continue their education in preparation for added responsibilities with the City may be granted an educational leave of absence, if in accordance with the City's best interest and at the discretion of the employee's Department Director.

(g) Public Office Leave of Absence: Employees who are candidates for municipal, county, state, or federal office shall be granted leave upon request for the period from 30 days or less prior to a contested primary, special or general election, until the day after the election. Employees who are elected or appointed to public office shall be granted leave for such public office upon request. Public office leaves of absence shall be without pay.

(h) Bereavement Leave: Full-time and permanent part-time employees may be allowed up to five (5) working days absence with pay in case of the death of a member of the employee's immediate family. For the purpose of this policy "immediate family" includes the employee's spouse(including domestic partner or common law spouse), siblings (including step), ~~brother, sister,~~ parents (including step, foster, legal guardian, and in-laws),~~father, mother,~~ children(including step, foster, ward and in-laws), ~~step parent, step children, step brother, step sister, father-in-law, mother-in-law, son-in-law, daughter-in-law,~~ and any person residing in the employee's household of a non-platonic relationship.

In the event of the death of a brother-in-law, sister-in-law, grandparent or grandchild of the employee or the employee's spouse, the employee is allowed up to three (3) working days absence with pay.

Bereavement leave absences are intended to include all travel. However, in circumstances involving unusually long traveling distances, department directors may extend bereavement absences up to three (3) additional days with pay.

Bereavement leave shall not be taken in less than one day increments.

For permanent part-time employees, a regular scheduled day off work may not be used in combination with bereavement leave to extend consecutive days off to more than five (5) days.

Non-union public safety management shift employees shall be allowed bereavement leave as set forth in this policy regardless of the shift to which they are assigned. For purposes of this policy for such employees, the term "working days" means one calendar day regardless of the number of hours scheduled. Transfer of such employees while on bereavement leave shall not affect entitlement to such leave. For purposes of this policy the term "non-union public safety management shift employees" includes battalion chiefs, fire captains, police captains, police lieutenants, public safety supervisor captains and public safety supervisor lieutenants.

(i) Workers' Compensation: Employees who are injured in the course of their employment with the City shall receive benefits and leave in accordance with Iowa Code Chapter 85.

(j) Police/Fire Disability Leave: Eligible public safety department personnel may be granted leave for duty related conditions in accordance with Iowa Code Chapter 411.

(3) Employees who are on an approved leave of absence may not perform work for any other employer during that leave, except when the leave is for military, public service, or otherwise as permitted by law.

(4) Use of paid benefit time and other benefits while on leave:

a. Every employee on a sick leave, Non-FMLA leave, or FMLA leave who is not maintaining full-time work status or who is not covering absences with earned benefit time up to at least full-time work status equivalent will be required to use all floating holidays, vacation, compensatory time, sick leave/casual days, and sick days while on leave. Earned benefit time shall be used until exhausted. Use of accrued, but unearned vacation may then be used when special circumstances warrant and as approved. (See **506: Vacations)** If all benefit time has been exhausted, and the employee is not covered by FMLA, the employee may be subject to termination of employment.

1. Emergency response exception: Employees who require a medical absence for an injury arising out of service as a volunteer fire fighter or emergency medical responder during a period of an emergency response may choose to take the medical leave as unpaid up to a maximum of 12 weeks; and shall not be required to use accrued paid leave (sick, vacation or comp time) for medical absence as a result of the injury. After 12 weeks of unpaid leave the employee shall be required to take paid benefit time as defined in this section. The employee shall still be required to follow all other policies and rules of

the City related to medical leave and FMLA leave.

b. Employees, who are covered by the City's long term disability or workers' compensation insurance, may supplement their pay up to 100% of their normal wages.

c. Every employee on a personal or educational leave of absence will be required to use all compensatory time, floating holidays and vacation days while on leave. Earned benefit time shall be used until exhausted prior to the use of accrued, but unearned vacation.

d. Employees who are candidates for public office must use earned paid benefit time during the public service leave of absence. Employees who are elected or appointed to a position entitling them to a public service leave of absence may, if they choose, use earned paid benefit time during the leave. If earned paid benefit time is exhausted during a public office leave of absence, or if eligible employees choose not to use paid benefit time, the leave or remainder of the leave shall be without pay.

e. The City will provide health insurance and other benefits to employees on leave as required by law. No paid benefit time shall accrue during periods of unpaid leave, unless otherwise specified by union contract.

f. Holidays (named and floating holidays) will be designated as FMLA leave when a holiday falls during a week in which an employee is taking the full week of FMLA leave or in cases when an employee takes less than a full week but they are expected or were scheduled to work the holiday.

g. Policies related to required use and carry over of paid benefit time shall apply when employees are on leaves of absence.

h. Availability of paid benefit time is no guarantee of continued employment.

(6) Employees returning from a leave of absence will be reinstated to their same job or to an equivalent job with equivalent status and pay, if required by law. However, in order to be reinstated to their same job or equivalent job, employees must return to work within 12 weeks after the expiration of an approved sick leave or FMLA leave, or for employees who do not qualify for FMLA leave, within 12 weeks of their first absence. This time may be extended upon recommendation of the Department Director and approval by the City Administrator for good cause, such as availability of additional earned sick leave. Employees who have taken personal, educational or public service leave cannot be guaranteed employment upon expiration of leave. Employees returning from a sick leave may be required to provide certification of their ability to perform the essential functions of their job, with or without reasonable accommodation and may be required to complete a fitness-for-duty examination or evaluation with the City's medical provider. Employees are required to provide at least 72 hours advance notice of their return to work after such

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leaves, unless this requirement is waived by the employee's supervisor and by the Human Resources Division. Employees returning from a military leave must also comply with all of the reinstatement requirements specified by federal law. If the same job or one of equivalent status and pay is not available as a result of a reduction in force, the employee will be treated in the same manner as though s/he were not on leave at the time of the reduction in force.

(7) Employees who are unable to report for work because of arrest and incarceration will be placed on a special personal leave of absence. If the employee is unable to secure bail, the leave of absence will continue until final disposition of the charges. If the employee is freed on bail, a decision whether to allow the resumption of active employment pending disposition of the charges will be made by the employee's Department Director and the Director of Finance & Business Operations. They will determine whether reinstatement would be consistent with the City's needs and requirements. Likewise, when an employee is convicted of a crime, the employee's Department Director and the Director of Finance & Business Operations will determine if it is in the best interests of the City to allow resumption to active employment or termination.

(8) If an employee fails to return to work at the conclusion of an approved leave of absence, including any extension of the leave, the employee will be considered to have voluntarily terminated employment.

(9) Resource: Department of Labor: dol.gov/agencies/whd/fmla

Amended 1/1/05, 7/1/06, 1/1/09, 4/09, 1/23/12, 2/13/12, 11/12/12, 11/25/13, 6/1/15, 3/1/19, 1/6/20, 7/6/20, 11/2/20, 3/7/22, 10/17/22

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Policy:

It is the policy of the City of Cedar Falls to grant employees extended leaves of absence under certain circumstances. Except as stated below, employees will not receive compensation during a leave of absence.

Comment:

(1) Family and Medical Leave: The City will comply with the provisions of the federal Family and Medical Leave Act (hereinafter referred to as "FMLA").

General Provisions:
In accordance with the Family and Medical Leave Act, the City will grant unpaid family and medical leave to eligible employees for up to 12 weeks per 12 month period for any one or more of the following reasons:

a. The birth of a child or placement of a child with the employee for adoption or foster care. Birth and bonding must be taken as a continuous block of leave unless the Director allows intermittent leave.

b. To care for a spouse, child, or parent who has a serious health condition; or

c. For a serious health condition that makes the employee unable to perform the essential functions of their job.

d. For any qualifying exigency arising out of the fact that a spouse, son, daughter, or parent is a military member on covered active duty or call to covered active duty status.

An eligible employee may also take up to 26 workweeks of leave during a "single 12-month period" to care for a covered service member with a serious injury or illness, when the employee is the spouse, son, daughter, parent, or next of kin of the service member. The single 12-month period for leave to care for a covered service member (both current service members and veterans) with a serious injury or illness begins on the first day you take leave for this reason and ends 12 months later, regardless of the 12- month period established by your employer for other types of FMLA leave. You are entitled to a combined total of 26 workweeks of leave for any FMLA-qualifying reason during the “single 12-month period.” (Up to 12 of the 26 weeks may be for an FMLA-qualifying reason other than to care for a covered service member.)

Eligibility:
To be eligible for FMLA leave, an employee must be employed by the City for at least 12 months and have worked at least 1,250 hours for the City over the 12 month period immediately preceding the leave. The 12 months of employment do not have to be consecutive. Employees applying for and granted a FMLA leave are required to meet notification and documentation requirements as outlined further in this policy. Failure to meet these requirements may result in

the denial or revocation of FMLA leave.

Definitions:

a. "12-Month Period" will be calculated as the "rolling" 12 month period measured backward from the date an employee uses any FMLA leave.

b. "Spouse" includes all individuals in legal marriages as defined or recognized in a state where the individual was married ("place of celebration"), and includes individuals in same-sex and common law marriages. A spouse also includes a husband or wife in a marriage that was validly entered into outside of the United States if it could have been entered into in at least one state. If both spouses work for the City, and are both eligible for FMLA leave, both spouses will be limited to a combined total of 12 weeks of FMLA leave in a 12 month period for anyone or all of the following reasons: birth of a child and bonding with the newborn child; placement of a child with the employee for adoption or foster care and bonding with newly-placed child; or to care for a parent with a serious health condition. This limitation does not apply in cases of leave to care for the serious health condition of the employee's spouse or child, or because of the employee's own serious health condition.

   Eligible spouses who work for the same employer are also limited to a combined total of 26 workweeks of leave in a single 12-month period to care for a covered service member with a serious injury or illness (commonly referred to as "military caregiver leave") if each spouse is a parent, spouse, son or daughter, or next of kin of the service member. When spouses take military caregiver leave as well as other FMLA leave in the same leave year, each spouse is subject to the combined limitations for the reasons for leave listed above.

c. "Child" means a child either under 18 years of age, or 18 years of age or older who is incapable of self-care because of a mental or physical disability. An employee's "child" is one for whom the employee has day-to-day responsibility for care and includes a biological, adopted, foster, stepchild, a legal ward, or a child of a person standing in loco parentis. The age limitation does not apply to employees applying for a FMLA military related leave.

d. "Serious Health Condition" means an illness, injury, impairment or a physical or mental condition that involves:

   1. conditions requiring an overnight stay in a hospital or other medical care facility; or

   2. conditions that incapacitate you or your family member (for example, unable to work or attend school) for more than three consecutive days and have ongoing medical treatment (either multiple appointments with a health care

provider, or a single appointment and follow-up care such as prescription medication); or

3. chronic conditions that cause occasional periods when you or your family member are incapacitated and require treatment by a health care provider at least twice a year; or

4. pregnancy (including prenatal medical appointments, incapacity due to morning sickness, and medically required bed rest).

Intermittent or Reduced Leave:
An employee may take leave intermittently (minimum of 15 minute increments) or on a reduced leave schedule when medically necessary to care for an immediate family member with a serious health condition or because of a serious health condition of the employee. "Medically necessary" means that there must be a medical need for the leave and the leave can best be accomplished through an intermittent or reduced leave schedule. The employee may be required to transfer temporarily to a position with equivalent pay and benefits that better accommodates recurring periods of leave. The employee must make a reasonable effort to schedule treatment(s) so as not to unduly disrupt the City's operations. If an employee requests reduced or intermittent leave, once the intermittent or reduced leave has been completed, the employee must be transferred back to the same position that the employee held prior to taking the FMLA leave or to an equivalent position. An employee may take leave intermittently or on a reduced leave schedule for birth or placement for adoption or foster care of a child only with the Director's approval. Leave due to qualifying exigencies may also be taken on an intermittent basis.

Employee Notice Requirement:
An employee is generally required to give thirty (30) days' notice in the event of a foreseeable leave. When 30 days' notice is not possible, the employee must provide notice as soon as practicable and generally must comply with the City's normal call-in procedures. Employees must provide sufficient information for the employer to determine if the leave may qualify for FMLA protection and the anticipated timing and duration of the leave. Sufficient information may include that the employee is unable to perform job functions; the family member is unable to perform daily activities, the need for hospitalization or continuing treatment by a health care provider, or circumstances supporting the need for military family leave. Employees also must inform the employer if the requested leave is for a reason for FMLA leave that was previously taken or certified. Employees also may be required to provide a certification and periodic recertification supporting the need for leave.

A "Leave of Absence Request" form should be obtained from the Human Resources Division, completed by the employee, signed by his/her supervisor and Department Director, and returned to the Human Resources Division for processing and forwarding of additional forms that may be required to complete as explained below.

Response to Employees:
As a FMLA covered employer, the City will provide employees with a Notice of Eligibility and Rights & Responsibilities form within five business days of receiving a leave request or

becoming aware of the need for FMLA leave. The City's response will establish whether the employee is eligible for FMLA leave and will notify the employee of their rights and responsibilities under the FMLA.

Certification and Designation

The City may require certification in support of the leave from a healthcare provider no later than fifteen (15) calendar days after applicable Department of Labor form(s) are provided for the employee's own or a qualified family member's serious health condition. Upon receipt, the employee will be notified by Human Resources whether the leave will be designated as FMLA leave and the amount of leave that will be deducted from the employee's FMLA entitlement. Military related leave requests require completion of the applicable Department of Labor form available from and returned to Human Resources staff.

For an employee's own medical leave, the City may require a second or third opinion at the City's expense as well as periodic reports on the employee's status.

If the employee has not returned medical certification within 15 calendar days as stated on the Notice of Eligibility and Rights & Responsibilities, the City is not aware of extenuating circumstances, and the City is unable to determine if the need for leave qualifies for FMLA, the City will notify the employee in writing that the FMLA leave request has been denied, using the Designation Notice.

When an employee is on leave and information received by Human Resources deems it to meet FMLA criteria, the City shall designate the leave as FMLA without receiving a FMLA leave request from the employee and without requiring the completion of the applicable medical certification form. Where applicable, employees who are on any approved leave of absence, whether work related or not, who also qualify for FMLA leave shall be required to use FMLA leave concurrently with such other leave of absence.

Return to Work Authorization

A release to duty from the employee's health care provider must be provided to the Human Resources Division prior to returning to work. If a fitness-for-duty appointment is deemed necessary by the City based on position duties, the employee will be asked to have a fitness-for-duty examination by a health care provider selected by the City, at the City's expense.

Effect on Benefits:

Vacation, seniority and other benefits will continue to accrue during an unpaid leave unless such leave exceeds thirty (30) consecutive calendar days, in which case no benefits shall accrue during the entire leave. Accrual of benefits for employees on intermittent leave or on a reduced work schedule may be calculated on a pro-rata basis in proportion to their work schedule. No proration of benefit accruals shall occur if employees maintain full-time work status (at least 32 hours per week) or the equivalent of full-time work status is covered with the use of earned benefits.

Continuation of Health Insurance:

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An employee on FMLA leave may remain a participant in the City's health insurance plan throughout the duration of the leave, as if actively employed. The employee will be required to pay the same cost of coverage as if actively at work. Employee contributions will be required either through payroll deduction or by direct payment to the City. The employee will be informed of the amount and method of payment at the beginning of the leave. Loss of insurance coverage may result if the premium amount is more than 30 days late. The City will provide written notice to the employee that the payment has not been received and allow at least 15 days after the date of the letter before coverage stops. If the employee misses a premium payment and the City pays the employee's contribution, the employee will be required to reimburse the City for the delinquent payment upon return from the leave. If an employee does not return to work, the City may require reimbursement for the share of the premiums it paid during the FMLA leave.

Return to Work:
An employee returning from FMLA leave is entitled to return to the position held when the leave began, if that position is vacant. If the position is not vacant, the employee must be returned to an equivalent position with equivalent benefits, pay and other conditions. Employees are required to provide at least 72 hours advance notice of their return to work after such leave, unless this requirement is waived by the employee's supervisor and by the Human Resources Division.

(2) Other Leaves of Absences: Employees generally are eligible for leaves of absence if they have completed at least 12 months of service, or as specified by law. The granting and duration of each leave of absence and the compensation received by the employee, if any, during the leave of absence will be determined by the City in conjunction with applicable federal and state law and in accordance with the City's best interest.

Requests for a leave of absence or any extension of a leave shall generally be submitted in writing to the employee's Department Director 30 days prior to commencement of the leave period, or as soon as is practicable. The final decision concerning the request will be made by the Department Director, after consultation with the Human Resources Division. All employees on approved leave are expected to report any change of status in their need for a leave or their intention to return to work to their Department Director.

The following types of leaves will be considered:

(a) Extended Family and Medical Leave (Non-FMLA). In cases where an employee is not eligible for FMLA leave and the employee's leave duration would typically qualify for FMLA, the employee may be granted a leave of absence.

Approval for such leave must be granted by the Department Director or by the City's Risk Management Committee if the leave exceeds two (2) consecutive weeks. The length of any such leave will be governed by individual circumstances, but in most cases such extended leave should not exceed 12 weeks in any 12 month period. At least 72 hours' notice is required in advance of the employee's return to work date, unless this requirement is waived by the employee's Department Director and by the Human Resources Division.

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(b) Pregnancy not covered under FMLA: Pregnant employees who are not eligible for FMLA leave shall be granted a leave of absence for the period that the employee is disabled because of the pregnancy, childbirth or other related medical conditions, or for eight weeks as provided by Iowa law, whichever is less.

(c) Other sick leave not covered under FMLA: See Policy **706: Sick Leave**

(d) Personal Leave of Absence: Employees may be granted a leave of absence to attend to personal matters in cases in which the City determines that an extended period of time away from the job will be in the best interests of the employee and the City.

(e) Military Leave of Absence: See Policy ***707: Military Leave***

(f) Educational Leave of Absence: Employees who want to continue their education in preparation for added responsibilities with the City may be granted an educational leave of absence, if in accordance with the City's best interest and at the discretion of the employee's Department Director.

(g) Public Office Leave of Absence: Employees who are candidates for municipal, county, state, or federal office shall be granted leave upon request for the period from 30 days or less prior to a contested primary, special or general election, until the day after the election. Employees who are elected or appointed to public office shall be granted leave for such public office upon request. Public office leaves of absence shall be without pay.

(h) Bereavement Leave: Full-time and permanent part-time employees may be allowed up to five (5) working days absence with pay in case of the death of a member of the employee's immediate family. For the purpose of this policy "immediate family" includes the employee's spouse (including domestic partner or common law spouse), siblings (including step), parents (including step, foster, legal guardian, and in-laws), children(including step, foster, ward and in-laws), and any person residing in the employee's household of a non-platonic relationship.

In the event of the death of a brother-in-law, sister-in-law, grandparent or grandchild of the employee or the employee's spouse, the employee is allowed up to three (3) working days absence with pay.

Bereavement leave absences are intended to include all travel. However, in circumstances involving unusually long traveling distances, department directors may extend bereavement absences up to three (3) additional days with pay.

Bereavement leave shall not be taken in less than one day increments.

For permanent part-time employees, a regular scheduled day off work may not be

used in combination with bereavement leave to extend consecutive days off to more than five (5) days.

Non-union public safety management shift employees shall be allowed bereavement leave as set forth in this policy regardless of the shift to which they are assigned. For purposes of this policy for such employees, the term "working days" means one calendar day regardless of the number of hours scheduled. Transfer of such employees while on bereavement leave shall not affect entitlement to such leave. For purposes of this policy the term "non-union public safety management shift employees" includes battalion chiefs, fire captains, police captains, police lieutenants, public safety supervisor captains and public safety supervisor lieutenants.

(i) Workers' Compensation: Employees who are injured in the course of their employment with the City shall receive benefits and leave in accordance with Iowa Code Chapter 85.

(j) Police/Fire Disability Leave: Eligible public safety department personnel may be granted leave for duty related conditions in accordance with Iowa Code Chapter 411.

(3) Employees who are on an approved leave of absence may not perform work for any other employer during that leave, except when the leave is for military, public service, or otherwise as permitted by law.

(4) Use of paid benefit time and other benefits while on leave:

a. Every employee on a sick leave, Non-FMLA leave, or FMLA leave who is not maintaining full-time work status or who is not covering absences with earned benefit time up to at least full-time work status equivalent will be required to use all floating holidays, vacation, compensatory time, sick leave/casual days, and sick days while on leave. Earned benefit time shall be used until exhausted. Use of accrued, but unearned vacation may then be used when special circumstances warrant and as approved. (See **506: Vacations)** If all benefit time has been exhausted, and the employee is not covered by FMLA, the employee may be subject to termination of employment.

1. Emergency response exception: Employees who require a medical absence for an injury arising out of service as a volunteer fire fighter or emergency medical responder during a period of an emergency response may choose to take the medical leave as unpaid up to a maximum of 12 weeks; and shall not be required to use accrued paid leave (sick, vacation or comp time) for medical absence as a result of the injury. After 12 weeks of unpaid leave the employee shall be required to take paid benefit time as defined in this section. The employee shall still be required to follow all other policies and rules of the City related to medical leave and FMLA leave.

704: LEAVES OF ABSENCE

b. Employees, who are covered by the City's long term disability or workers' compensation insurance, may supplement their pay up to 100% of their normal wages.

c. Every employee on a personal or educational leave of absence will be required to use all compensatory time, floating holidays and vacation days while on leave. Earned benefit time shall be used until exhausted prior to the use of accrued, but unearned vacation.

d. Employees who are candidates for public office must use earned paid benefit time during the public service leave of absence. Employees who are elected or appointed to a position entitling them to a public service leave of absence may, if they choose, use earned paid benefit time during the leave. If earned paid benefit time is exhausted during a public office leave of absence, or if eligible employees choose not to use paid benefit time, the leave or remainder of the leave shall be without pay.

e. The City will provide health insurance and other benefits to employees on leave as required by law. No paid benefit time shall accrue during periods of unpaid leave, unless otherwise specified by union contract.

f. Holidays (named and floating holidays) will be designated as FMLA leave when a holiday falls during a week in which an employee is taking the full week of FMLA leave or in cases when an employee takes less than a full week but they are expected or were scheduled to work the holiday.

g. Policies related to required use and carry over of paid benefit time shall apply when employees are on leaves of absence.

h. Availability of paid benefit time is no guarantee of continued employment.

(6) Employees returning from a leave of absence will be reinstated to their same job or to an equivalent job with equivalent status and pay, if required by law. However, in order to be reinstated to their same job or equivalent job, employees must return to work within 12 weeks after the expiration of an approved sick leave or FMLA leave, or for employees who do not qualify for FMLA leave, within 12 weeks of their first absence. This time may be extended upon recommendation of the Department Director and approval by the City Administrator for good cause, such as availability of additional earned sick leave. Employees who have taken personal, educational or public service leave cannot be guaranteed employment upon expiration of leave. Employees returning from a sick leave may be required to provide certification of their ability to perform the essential functions of their job, with or without reasonable accommodation and may be required to complete a fitness-for-duty examination or evaluation with the City's medical provider. Employees are required to provide at least 72 hours advance notice of their return to work after such leaves, unless this requirement is waived by the employee's supervisor and by the Human Resources Division. Employees returning from a military leave must also comply with all

of the reinstatement requirements specified by federal law. If the same job or one of equivalent status and pay is not available as a result of a reduction in force, the employee will be treated in the same manner as though s/he were not on leave at the time of the reduction in force.

(7) Employees who are unable to report for work because of arrest and incarceration will be placed on a special personal leave of absence. If the employee is unable to secure bail, the leave of absence will continue until final disposition of the charges. If the employee is freed on bail, a decision whether to allow the resumption of active employment pending disposition of the charges will be made by the employee's Department Director and the Director of Finance & Business Operations. They will determine whether reinstatement would be consistent with the City's needs and requirements. Likewise, when an employee is convicted of a crime, the employee's Department Director and the Director of Finance & Business Operations will determine if it is in the best interests of the City to allow resumption to active employment or termination.

(8) If an employee fails to return to work at the conclusion of an approved leave of absence, including any extension of the leave, the employee will be considered to have voluntarily terminated employment.

(9) Resource: Department of Labor: dol.gov/agencies/whd/fmla

Amended 1/1/05, 7/1/06, 1/1/09, 4/09, 1/23/12, 2/13/12, 11/12/12, 11/25/13, 6/1/15, 3/1/19, 1/6/20, 7/6/20, 11/2/20, 3/7/22, 10/17/22

222: NEPOTISM

Policy:

It is the Policy of the City of Cedar Falls to be committed to employment and advancement based on qualifications and merit. This policy serves to define the City's standards for employment of relatives working for the City, and to safeguard against conflicts of interest or favoritism, whether real or perceived, which compromise the public interest.

Comment:

(1) A member of an employee's immediate family will not be considered for employment by the City if such employment would:

(a) Create a direct supervisor/subordinate relationship; or
(b) Create a conflict of interest as determined by the City Administrator.

(2) A member of an employee's immediate family may be considered for employment by the City if the immediate family member possesses all the qualifications for the position and if:

(a) No direct supervisor/subordinate relationship or conflict of interest is created (see above); and
(b) The immediate family member is assigned to a different Department than the employee; or
(c) If assigned to the same Department the immediate family member is assigned to a different Division than the employee; or
(d) If assigned to the same Division the immediate family member is assigned to a different Shift or Section than the employee.

Instances of indirect supervision may occur between supervisor/subordinate. This policy pertains to direct supervision only, unless a conflict of interest is otherwise created.

These criteria will apply to all employment decisions including: hiring, rehiring, assigning, transferring, promoting, or demoting an employee.

For purposes of this policy, "immediate family" includes: the employee's spouse (including domestic partner or common law spouse), siblings (including step) parents(including step, foster, legal guardian, and in-laws), children (including step, foster, ward, and in-laws), and any other person residing in the employee's household of a non-platonic relationship. Any other relationship not mentioned above causing a conflict of interest will be handled as determined by the City Administrator.

Exceptions to this policy may be considered provided an immediate family member is not a direct supervisor and as approved by the Department Director and the City Administrator.

Employees hired prior to July 1, 2004, are exempt from application of this policy section to the extent it applies to their current position.

222: NEPOTISM

(3) Employees who marry or become immediate family (as defined above) during the course of employment are required to inform their supervisor of the relationship as soon as possible, but no later than 14 days after the relationship is established. Violation of this policy will subject the employee(s) to disciplinary action, up to and including termination. Employees who violate this policy forfeit their right of transfer/reassignment.

Should the above situation occur, a decision will be made by management within 30 days of notification regarding which employee shall transfer or be reassigned, if possible, or who will terminate employment. Factors to be considered in this determination include, but are not limited to: position held, rank, seniority, past performance and fulltime employment status. The transfer, reassignment, or termination decision made by management shall be finalized and effective within a maximum of 90 days from the date in which the immediate family relationship was established. When one immediate family member leaves City employment, re-employment rights while the other immediate family member remains are determined by comments (1 & 2).

Adopted 10/17/22
Amended

CEDAR FALLS COMMUNITY MAIN STREET, INC. IS A VOLUNTEER-DRIVEN, N T ORGANIZATION ESTABLISHED TO FOSTER ECONOMIC VITALITY, AND TO PR D PROMOTE THE HISTORIC IMAGE AND CHARACTER OF THE DOWNTOWN, WHILE IMPROVING THE QUALITY OF LIFE IN CEDAR FALLS.

CEDAR FALLS COMMUNITY MAIN STREET

October 11, 2022

Jacque Danielsen
City Clerk
City of Cedar Falls
220 Clay Street
Cedar Falls, IA 50613

2022-2023 BOARD OF DIRECTORS:

JENNY LEEPER, PRES
KATE DUNNING
ANN EASTMAN
WYNETTE FROEHNER
LEXIE HEATH
BRENT JOHNSON
CORY KENT
AUDREY KITTRELL
DAN LYNCH
EMILEE NEDOBA
HELEN PEARCE
STEPHANIE SHEETZ
MARK SHOWALTER
BRAD STROUSE

RE: Downtown Cedar Falls Self-Supported Municipal Improvement District (SSMID)

Dear Ms. Danielsen:

The downtown SSMID was originally established in 1987 with the purpose to provide funding for Community Main Street, Inc. (CMS). Downtown property owners have opted to renew SSMID, as required by the State statue, every five years since inception with the intent to continue financial support of CMS.

Under the provisions for the SSMID district established for the period of July 1, 2022 and ending June 30, 2027. Cedar Falls Community Main Street is responsible to determine the SSMID millage rate each year. CMS would propose that the SSMID collected for the FY2024 at the rate of $3.89 per $1000 of assessed property value for commercial properties within the district. This rate provides funding equal to the previous SSMID period.

During the budgeting period for FY2024, CMS will review this financial position in relationship to an anticipated commercial property tax rollback to determine the millage rate for collection during that fiscal time-frame. Going forward, we will annually assess the rate as required by the SSMID ordinance ending June 30, 2027.

Please feel free to contact me at 277-0213 if you have any questions. Thank you.

Sincerely,

Kim Bear

Kim Bear
Executive Director
Community Main Street

THE GREAT AMERICAN MAIN STREET AWARD

MAIN STREET IOWA

MAIN STREET AMERICA®

310 E. 4TH STREET, CEDAR FALLS, IA 50613
DIRECTOR@COMMUNITYMAINSTREET.ORG - 319.277.0213

DEPARTMENT OF COMMUNITY DEVELOPMENT

City of Cedar Falls
220 Clay Street
Cedar Falls, Iowa 50613
Phone: 319-273-8600
Fax: 319-273-8610
www.cedarfalls.com

MEMORANDUM

Planning & Community Services Division

TO: Honorable Mayor Robert M. Green and City Council

FROM: Jaydevsinh Atodaria (JD), City Planner I

DATE: October 4, 2022

SUBJECT: College Hill Neighborhood Overlay Design Review for a new detached garage.

REQUEST: Request to approve College Hill Neighborhood Overlay District design review application for adding a new detached garage (#DR22-002)

PETITIONER: Aaron Carolan, property owner; Carolan Builders

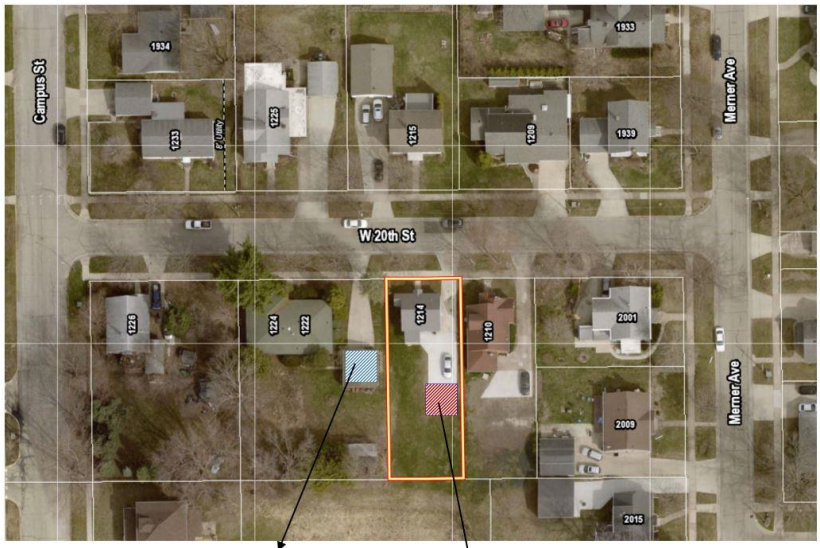
LOCATION: 1214 W. 20th Street

PROPOSAL

It is proposed to relocate the existing detached garage on the property at 1222-1224 W. 20th Street to the adjacent property at 1214 W 20th Street. The property is located in the College Hill Neighborhood Overlay Zoning District and a review by the Planning and Zoning Commission and City Council is required for reviewing any new construction of a detached accessory structure more than 300 square feet in base floor area for a residential use (substantial improvement) within the district.

BACKGROUND

The College Hill Neighborhood Overlay District was established for the preservation of neighborhood character and the stabilization of its neighborhoods after a long history of changes and updates to properties that typically increased occupancies and detracted from the original intent of those properties and neighborhoods. This trend and the establishment of the Overlay called for more scrutiny when reviewing changes that may affect the character of the neighborhood. See the location map on the side for reference, the highlighted property in the yellow is the subject property.



Existing Garage (22' x 24') to be relocated to 1214 W 20th Street

New Garage location (22' x 24') being proposed at 5 feet setback from side lot line

The subject property is located within the R-2, Residence Zoning districts (Section 26-165) and the College Hill Neighborhood Overlay Zoning District (Section 26-181). The Overlay Zoning District intends to develop business districts and residential districts in an orderly manner and one that complements the University of Northern Iowa campus and promotes community vitality and safety. As per code, new construction of a detached accessory structure over 300 square feet in base floor area for a residential use within the district is termed as a substantial improvement. A substantial improvement requires review and approval by the Planning and Zoning Commission and the City Council. The criterion listed in the Overlay requires that the following be considered in this design review: architectural compatibility; neighborhood character; building materials; detached accessory structure standards; and other provisions as applicable in the code.

The subject property has been equipped with a 2-bedroom single-unit dwelling unit (approx. 794 sq.ft.) built in 1946. The petitioner/owner of the property at 1214 W 20th Street is intending to relocate the existing two-stall detached garage located on 1222-1224 W 20th Street (owned by the same owner) on the property located at 1214 W 20th Street, to have covered parking for the residents. As per code, the following analysis has been done to review the proposal.

ANALYSIS

On-site parking:

As per code, the minimum on-site parking required for a one-unit dwelling is two stalls per dwelling unit. Currently, the property at 1214 W. 20th Street has a single wide driveway (approx. 10 feet wide) that widens out to 20 feet. The driveway is sufficient to park two cars. However, the owner of the property is requesting to add a two-stall garage on the property to have a covered parking for the unit. The resulting parking arrangement more than satisfies the ordinance requirement for this single-family residential dwelling.

Detached Accessory Structure:

As per CHN Overlay zoning district, a newly constructed detached accessory structure must meet the regulations of detached accessory structure standards (Section 26-126) and must be consistent with the architectural style of the principal residential structure on the property. Also, the proposed detached structure should have similar building materials, colors, rooflines, roof pitch, and roofing materials to the extent possible to principal structure.

As per code, detached accessory structure under 600 square feet in area can be placed at 2 feet setback from side lot line if recessed at least 18 feet behind the front line of the principal structure and needs to maintain separation of at least 8 feet from the principal structure. It is proposed that the detached accessory structure to be added on property at 1214 W 20th Street is 22 feet wide and 24 feet in length, in total about 528 Square feet in area, and will be placed at 5 feet setback from side property line. The proposed detached accessory structure will be 14 feet high, about 60 feet recessed from the front line of the principal structure and will maintain at least 28 feet separation from the principal structure. The proposal meets all relevant city codes.

Building Design:

- Building Entrances:
  As per the proposal, the two-stall detached accessory structure will be accessed through two garage shutters, oriented toward and visible from W. 20th Street. The building design is configured in a way that the garage sits 28 feet south of principal single-family dwelling unit, 5 feet from east property line, 23 feet from west property line and 38 feet from south property line.

- Building Materials:
  As per code, similar building materials, colors, roof lines, roof pitch and roofing materials shall be established on the accessory structure to match as closely as possible those elements on the principal structure. In response, the owner is planning to re-side the proposed garage with new vinyl siding (Certainteed brand Mainstreet series Flagstone color), which would match the existing siding of the single-family unit on the lot at 1214 W 20th Street. See below picture of existing garage located at 1222-1224 W 20th Street (red in color), which is to be moved to the lot at 1214 W 20th Street as part of the project.

  Roofing on existing garage is shingles, which will be retained as is, but the owner will be replacing the roofing to steel roof (similar to roofing on house) after the existing roofing is worn out. Vinyl siding is a common material on other homes in the neighborhood, along with brick and wood siding. Staff finds that the building materials of the proposed detached accessory structure is consistent with the principal structure on the property at 1214 W 20th Street and meets code requirement.

- Architectural compatibility with surrounding buildings:
  The majority of houses in the neighborhood represent colonial bungalow-style architecture with a mix of attached and detached garages (See below pictures of existing dwelling units in the neighborhood for reference). The garages on these properties are either in line with the main house façade or are recessed.

  The proposed two-stall detached garage will be recessed from the principal single-family unit on the lot and therefore will be compatible with other detached accessory structures on surrounding properties.

- Neighborhood Character:
  The College Hill neighborhood area is one of the City's oldest and most densely populated neighborhoods and being near the University of Northern Iowa, the

preservation of neighborhood character (including uniformity of building size, scale, bulk, varying appearances, etc.) are of primary concerns regardless of the nature of the proposed building use. The proposed two stall detached accessory structure is similar in terms of size and scale comparison to other detached accessory structures in the immediate neighborhood. The staff finds that the proposal is appropriate for the site and would be a good addition on the lot to address owner's need.

TECHNICAL COMMENTS

Notification of this case was sent to adjacent property owners within 200 feet on September 20th, 2022. All existing utilities are required to be disconnected and abandoned before the demolition of the existing structure on 1222-1224 W 20th Street.

Staff notes that the applicant will have to apply for a demolition permit, building permit, floodplain development permit, and elevation certificate to execute the proposal on site. Once construction is complete, a final elevation certificate is required verifying that the home is built to the required elevation above the floodplain.

STAFF RECOMMENDATION

Planning and Zoning Commission recommends approval of the submitted design review application as per staff's recommendation at their regular meeting on 29th September 2022 with a vote of 8 ayes and 0 nays. City staff also recommends approval of the proposed design review application for building a new detached garage at 1214 W. 20th Street, subject to the following conditions:

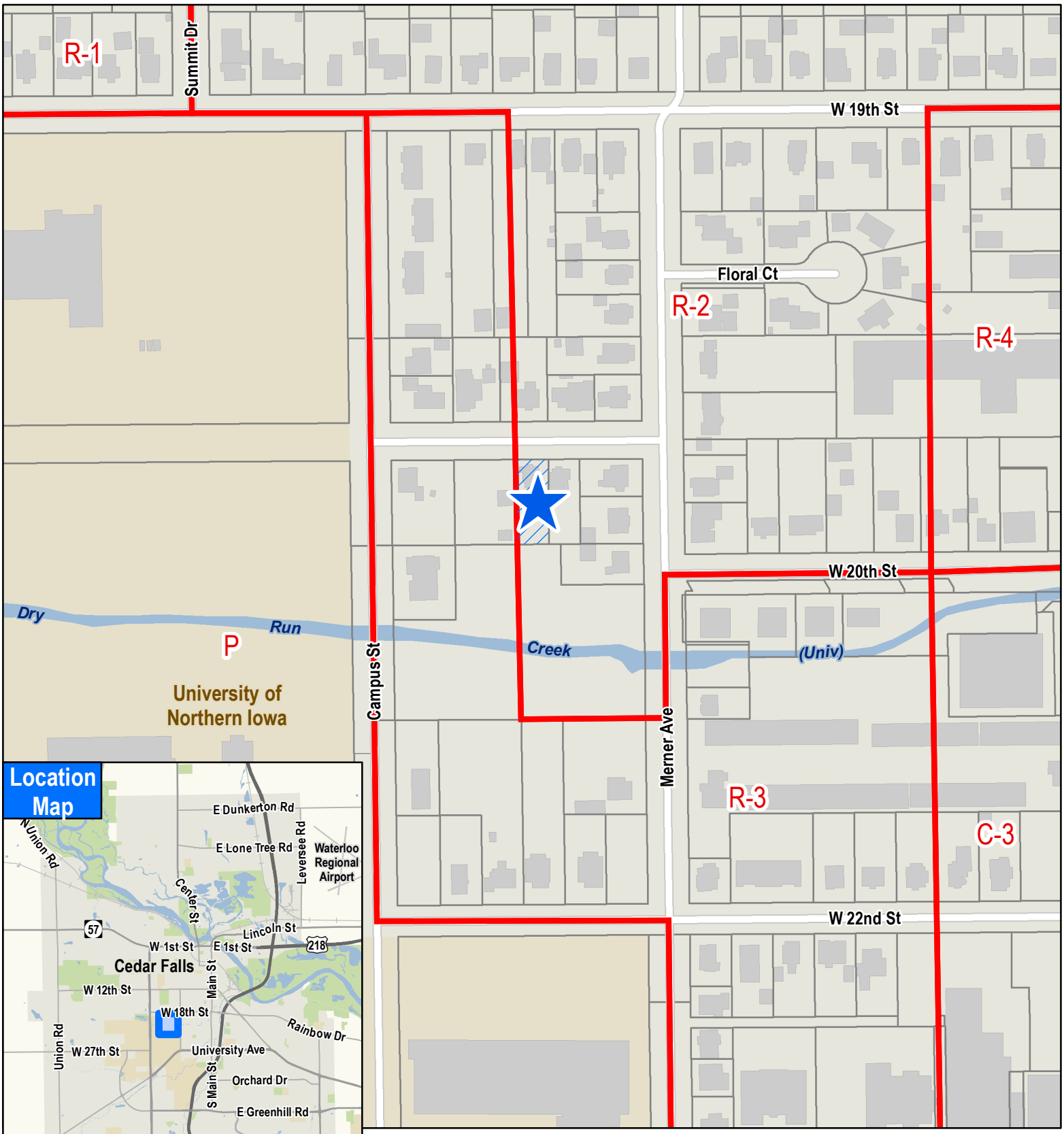
1. Any comments or direction specified by the Planning and Zoning Commission
2. Conformance with all City staff recommendations and technical requirements

PLANNING & ZONING COMMISSION

Introduction & Vote 9/28/2022	Acting Chair Hartley introduced the item and Mr. Atodaria provided background information. He explained that it is proposed to relocate an existing garage on an adjacent property to the subject property. He discussed review requirements for on-site parking and detached accessory structures, architectural compatibility with surrounding buildings and how it fits in with the neighborhood character. All existing utilities are required to be disconnected and abandoned before the relocation of the existing structure. The applicant will also have to apply for a demolition permit, building permit, floodplain development permit and elevation certificate to execute the proposal on the site. Once the construction is complete a final elevation certificate is required to verify that the home is built to the required elevation above the floodplain. Staff recommends approval subject to comments and directions from the Commission. Aaron Carolan, 5232 Metz Road, was available for any questions and stated that he would have submitted this proposal at the time they went through the removal of the house, but he didn't realize how much was required for this process. Mr. Holst made a motion to approve the item. Mr. Larson seconded the motion. The motion was approved unanimously with 8 ayes (Crisman, Grybovych, Hartley, Holst, Larson, Lynch, Moser and Saul), and 0 nays.

Cedar Falls Planning and Zoning Commission
September 28, 2022

Item 16.



College Hill Neighborhood Overlay
Design Review for a new garage (DR22-002)
1214 W. 20th Street

Carolan BUILDERS
Custom & Spec Homes

Carolan Builders
Aaron Carolan
5232 Metz Road
Cedar Falls IA 50613

319-415-5810 (cell)
Carolanbuilders95@gmail.com

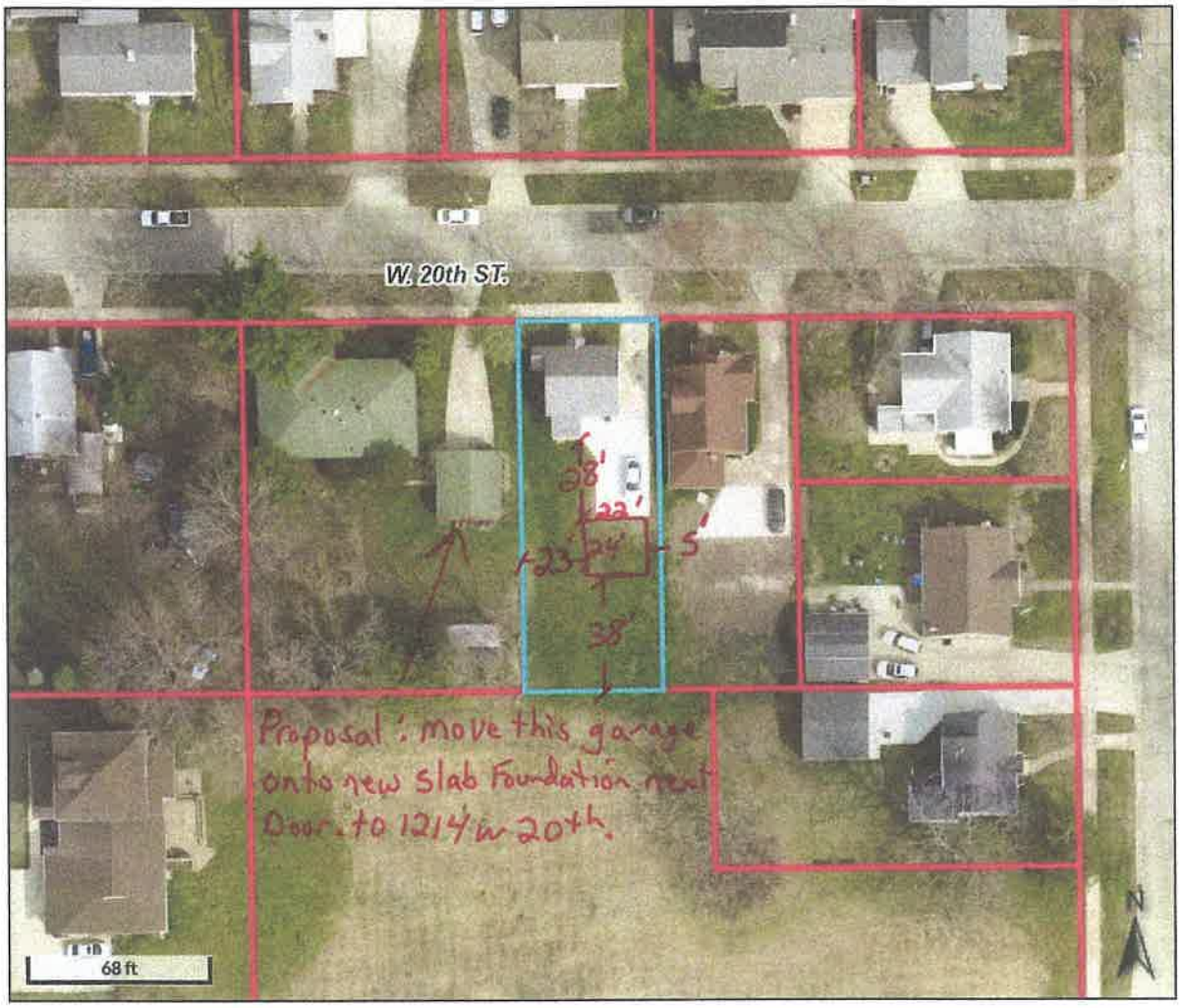
Letter of Intent for property at 1214 W 20 th. Street

My intentions are to move existing garage from next door at 1224 w 20th, where we already have permission to remove house and build new duplex, and place it on a new concrete slab foundation at the end of the driveway in backyard of 1214 w 20th.

We will then install new vinyl siding on all of the exterior of the garage to match what is on the house. And install a new side entrance door.
The siding to be used is Certainteed brand Mainstreet series Flagstone color.

Owners within 200' from proposed project:
Tom & William Ogle 1226 W 20 th.
Cedar Heights Baptist Church 2016 Campus St.
Russell Campbell 1934 Campus St.
Bryce Steiert 2001 Merner
Nicholas Balk 2009 Merner
Christopherson Rentals LLC 2015 Merner
State of Iowa
Austin Ryan 1233 W 20 th.
Melvin Reimer 1215 W 20 th.
Suzanne Riehl 1939 Merner

Beacon™ Black Hawk County, IA



Overview

Legend

- Water
- Parcels

Parcel ID	891414426003	**Alternate ID**	n/a	**Owner Address**	CAROLAN, AARON J
Sec/Twp/Rng	n/a	**Class**	R		5232 METZ RD
Property Address	1214 W 20TH ST	**Acreage**	n/a		CEDAR FALLS, IA 50613
	CEDAR FALLS				
District	910001				319-415-5810
Brief Tax Description	SUNNYSIDE ADDITION LOT 10 BLK 6 LOT 11 BLK 6				
	(Note: Not to be used on legal documents)				

These maps do not represent a survey. No liability is assumed for the accuracy of the data delineated herein, either expressed or implied by Black Hawk County, the Black Hawk County Assessor or their employees. These maps are compiled from official records, including plats, surveys, recorded deeds, and contracts, and only contain information required for local government purposes. See the recorded documents for more detailed legal information.

Date created: 9/11/2022
Last Data Uploaded: 9/10/2022 12:17:25 AM

Developed by Schneider GEOSPATIAL

1214

Existing Garage to be moved
next door

DEPARTMENT OF COMMUNITY DEVELOPMENT

City of Cedar Falls
220 Clay Street
Cedar Falls, Iowa 50613
Phone: 319-273-8600
Fax: 319-273-8610
www.cedarfalls.com

INTEROFFICE MEMORANDUM

Planning & Community Services Division

TO: Honorable Mayor Robert M. Green and City Council

FROM: Thom Weintraut, Planner III

DATE: October 4, 2022

SUBJECT: FEMA Flood Buyout Warranty Deeds and Deed Restrictions

On October 6, 2021 City Council approved a grant agreement between Iowa Homeland Security and Emergency Management and the City of Cedar Falls for the Cedar Falls Property Acquisition and Demolition Project. The funding that was approved as part of the agreement would have allowed the City to purchase 9 properties.

8 property owners expressed interest in selling their property, but only four (4) property owners signed purchase offers. Staff proceeded to close the transactions with the four (4) property owners in early September. The property owners executed Warranty Deeds with Deed Restrictions requiring the properties to remain in open space in perpetuity. Below is the list of properties purchased with the grant funding.

1. 627 Clair Street ($95,000)
2. 628 Longview Street ($135,000)
3. 824 Cottage Row Lane ($170,000)
4. 1027 Clair Street ($78,000)

Outside legal counsel has examined title to the properties and has reviewed the documents and they are in a form and of a content that is acceptable.

The Department of Community Development recommends that the Council Accept and approve the Warranty Deeds and accompanying Deed Restrictions, and that the City Clerk be authorized to file such documents, along with any other required documents, with the Black Hawk County Recorder.

xc: Stephanie Houk Sheetz, AICP, Director of Community Development
Jennifer Rodenbeck, Director of Finance and Business Operations
Karen Howard, Planning & Community Services Manager

WARRANTY DEED
(Several Grantors)
Recorder's Cover Sheet

Preparer Information: Kevin Rogers, 220 Clay Street, Cedar Falls, IA 50613, Phone: (319) 273-8600

Taxpayer Information: City Clerk, 220 Clay Street, Cedar Falls, IA 50613

Return Document To: City Clerk, 220 Clay Street, Cedar Falls, IA 50613

Grantors: Mathew J. Miller and Keri D. Miller

Grantees: City of Cedar Falls, Iowa

Legal Description: See Page 2

Document or instrument number of previously recorded documents:

WARRANTY DEED
(Several Grantors)

For the consideration of One Dollar(s) and other valuable consideration, Mathew J. Miller and Keri D. Miller, husband and wife, do hereby Convey to City of Cedar Falls, Iowa, a municipal corporation organized and existing under the laws of Iowa, the following described real estate in Black Hawk County, Iowa:

Lot No. Fifteen (15) in "Auditor Barnes' Plat No. 7 in Black Hawk County, Iowa", now in the City of Cedar Falls, Iowa, subject to easements of record

Grantors do Hereby Covenant with grantees, and successors in interest, that grantors hold the real estate by title in fee simple; that they have good and lawful authority to sell and convey the real estate; that the real estate is free and clear of all liens and encumbrances except as may be above stated; and grantors Covenant to Warrant and Defend the real estate against the lawful claims of all persons except as may be above stated. Each of the undersigned hereby relinquishes all rights of dower, homestead and distributive share in and to the real estate.

Words and phrases herein, including acknowledgment hereof, shall be construed as in the singular or plural number, and as masculine or feminine gender, according to the context.

Dated: 14 Sept 2022.

Mathew J. Miller, Grantor

Keri D. Miller, Grantor

STATE OF IOWA, COUNTY OF BLACK HAWK

This record was acknowledged before me on September 14 2022 by Mathew J. Miller and Keri D. Miller, husband and wife.

Signature of Notary Public

KATHERINE LINN TERHUNE
Commission Number 827046
My Commission Expires
October 22, 2023

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REAL ESTATE TRANSFER - GROUNDWATER HAZARD STATEMENT
TO BE COMPLETED BY TRANSFEROR

TRANSFEROR:
Name: Mathew J. Miller and Keri D. Miller
Address: 824 Cottage Row Lane, Cedar Falls, IA 50613
TRANSFEREE:
Name: City of Cedar Falls, Iowa
Address: 220 Clay Street, Cedar Falls, IA 50613

Address of Property Transferred:
824 Cottage Row Lane, Cedar Falls, Iowa 50613

Legal Description of Property: (Attach if necessary)
Lot No. 15 (15) in "Auditor Barnes' Plat No. 7 in Black Hawk County, Iowa" now in the City of Cedar Falls, Iowa

1. **Wells (check one)**
   - ☐ There are no known wells situated on this property.
   - ☒ There is a well or wells situated on this property. The type(s), location(s) and legal status are stated below or set forth on an attached separate sheet, as necessary.
2. **Solid Waste Disposal (check one)**
   - ☒ There is no known solid waste disposal site on this property.
   - ☐ There is a solid waste disposal site on this property and information related thereto is provided in Attachment #1, attached to this document.
3. **Hazardous Wastes (check one)**
   - ☒ There is no known hazardous waste on this property.
   - ☐ There is hazardous waste on this property and information related thereto is provided in Attachment #1, attached to this document.
4. **Underground Storage Tanks (check one)**
   - ☒ There are no known underground storage tanks on this property. (Note exclusions such as small farm and residential motor fuel tanks, most heating oil tanks, cisterns and septic tanks, in instructions.)
   - ☐ There is an underground storage tank on this property. The type(s), size(s) and any known substance(s) contained are listed below or on an attached separate sheet, as necessary.
5. **Private Burial Site (check one)**
   - ☒ There are no known private burial sites on this property.
   - ☐ There is a private burial site on this property. The location(s) of the site(s) and known identifying information of the decedent(s) is stated below or on an attached separate sheet, as necessary.
6. **Private Sewage Disposal System (check one)**
   - ☐ All buildings on this property are served by a public or semi-public sewage disposal system.
   - ☐ This transaction does not involve the transfer of any building which has or is required by law to have a sewage disposal system.
   - ☐ There is a building served by private sewage disposal system on this property or a building without any lawful

sewage disposal system. A certified inspector's report is attached which documents the condition of the private sewage disposal system and whether any modifications are required to conform to standards adopted by the Department of Natural Resources. A certified inspection report must be accompanied by this form when recording.

☐ There is a building served by private sewage disposal system on this property. Weather or other temporary physical conditions prevent the certified inspection of the private sewage disposal system from being conducted. The buyer has executed a binding acknowledgment with the county board of health to conduct a certified inspection of the private sewage disposal system at the earliest practicable time and to be responsible for any required modifications to the private sewage disposal system as identified by the certified inspection. A copy of the binding acknowledgment is attached to this form.

☐ There is a building served by private sewage disposal system on this property. The buyer has executed a binding acknowledgment with the county board of health to install a new private sewage disposal system on this property within an agreed upon time period. A copy of the binding acknowledgment is provided with this form.

☒ There is a building served by private sewage disposal system on this property. The building to which the sewage disposal system is connected will be demolished without being occupied. The buyer has executed a binding acknowledgment with the county board of health to demolish the building within an agreed upon time period. A copy of the binding acknowledgment is provided with this form. [Exemption #9]

☐ This property is exempt from the private sewage disposal inspection requirements pursuant to the following exemption [Note: for exemption #9 use prior check box]: _____.

☐ The private sewage disposal system has been installed within the past two years pursuant to permit number _____.

Information required by statements checked above should be provided here or on separate sheets attached hereto:

See attached diagram

I HEREBY DECLARE THAT I HAVE REVIEWED THE INSTRUCTIONS FOR THIS FORM AND THAT THE INFORMATION STATED ABOVE IS TRUE AND CORRECT.

Signature: _____ Telephone No.: 319.830.9573
(Transferor)

FILE WITH RECORDER **DNR form 542-0960 (July 18, 2012)**

824 Cottage Row Lane

Well location

Septic Field

Black Hawk County Health Department
1407 Independence Avenue • 5th Floor • Waterloo, IA 50703
(319) 291-2413 • www.BHCPublicHealth.org

BLACK HAWK COUNTY
TIME OF TRANSFER INSPECTION WAIVER
BINDING AGREEMENT FOR DEMOLITION

This acknowledgement is entered into this 1st day of September, 20 22 by and between Black Hawk County Board of Health and City of Cedar Falls, (the buyer of the property referenced below).

It is understood that Iowa Code 455B.172 (11) requires an inspection of the private sewage disposal system on all properties not specifically exempted in Iowa at the time of transfer.

The property located at 824 Cottage Row, Black Hawk County, Iowa is subject to the inspection, and the buyer City of Cedar Falls shall not occupy the dwelling located at this property and shall demolish said dwelling by the 1st day of December, 2022.

It is hereby agreed that the buyer agrees that the time of transfer inspection and upgrading of the private sewage disposal system serving this property will not be required as long as the dwelling is not occupied and is properly removed.

PROPERTY BUYER	**COUNTY BOARD OF HEALTH or AUTHORIZED REPRESENTATIVE**
Jennifer Rodenbeck	Kelly Amador
Buyer Signature	Signature
Jennifer Rodenbeck	Kelly Amador
Print Name	Print Name
9/1/22	9/15/2022
Date	Date

Prepared by Kevin Rogers, 220 Clay Street, Cedar Falls, IA 50613, (319) 273-8600

FLOOD MITIGATION DEED RESTRICTION

WHEREAS, property or properties legally described as:

Lot No. Fifteen (15) in "Auditor Barnes' Plat No. 7 in Black Hawk County, Iowa", now in the City of Cedar Falls, Iowa.

("Property") were conveyed by Deed between Matthew J. Miller and Keri D. Miller participating in the federally-assisted acquisition project ("the Grantor") and City of Cedar Falls, Iowa ("the Grantee") its successors and assigns; and

WHEREAS, the Robert T. Stafford Disaster Relief and Emergency Assistance Act, ("The Stafford Act"), 42 U.S.C. § 5121 et seq., identifies the use of disaster relief funds under § 5170c, **Hazard Mitigation Grant Program ("HMGP"),** including the acquisition and relocation of structures in the floodplain; and

WHEREAS, the mitigation grant program provides a process for a local government, through the State, to apply for federal funds mitigation assistance to acquire interests in property, including the purchase of structures in the floodplain, to demolish and/or remove the structures, and to maintain the use of the Property as open space in perpetuity; and

WHEREAS, the State of Iowa has applied for and been awarded such funding from the Department of Homeland Security, Federal Emergency Management Agency ("FEMA"), and has entered into a mitigation grant program Grant Agreement, dated December 9, 2015 and herein incorporated by reference; making it a mitigation grant program grantee; and

WHEREAS, the Property is located in Cedar Falls, Black Hawk County, Iowa, which in the National Flood Insurance Program ("NFIP") and is in good standing with NFIP as of the date of the Deed; and

WHEREAS, the City of Cedar Falls, acting by and through the City Council, has applied for and been awarded federal funds pursuant to an agreement with Iowa dated October 6,2021 ("State-Local Agreement") and herein incorporated by reference, making it a mitigation grant program subgrantee: and,

WHEREAS, the terms of the mitigation grant program statutory authorities, Federal program requirements consistent with 44 C.F.R. Part 80, the Grant Agreement, and the State-local Agreement require that the Grantee agree to conditions that restrict the use of the land to open space in perpetuity in order to protect and preserve natural floodplain values;

NOW, therefore, the grant is made subject to the following terms and conditions:

1. Terms. Pursuant to the terms of HMGP program statutory authorities, Federal program requirements consistent with 44 C.F.R. Part 80, the Grant agreement, and the State-local agreement, the following conditions and restrictions shall apply in perpetuity to the Property described in the attached deed and acquired by the Grantee pursuant to FEMA program requirements concerning the acquisition of property for open space:

a. Compatible uses. The property shall be dedicated and maintained in perpetuity as open space for the conservation of natural floodplain functions. Such uses may include: parks for outdoor recreational activities; wetlands management; nature reserves; cultivation; grazing; camping (except where adequate warning time is not available to allow evacuation); unimproved, unpaved parking lots; buffer zones; and other uses consistent with FEMA guidance for open space acquisition, Hazard Mitigation Assistance, Requirements for Property Acquisition and Relocation for Open Space.

b. Structures. No new structures or improvements shall be erected on the property other than:

(1) A public facility that is open on all sides and functionally related to a designated open space or recreational use;

(2) A public restroom; or

(3) A structure that is compatible with open space and conserves the natural function of the floodplain, including the uses describe din Paragraph 1.a, above, and approved by the FEMA Administrator in writing before the construction of the structure begins.

Any improvements on the Property shall be in accordance with proper floodplain management policies and practices. Structures built on the Property according to paragraph b. of this section shall be floodproofed or elevated to at least the base flood level plus 1 foot of freeboard, or greater, if required by FEMA, or if required by any State, Tribal, or local ordinance, and in accordance with criteria established by the FEMA Administrator.

c. Disaster Assistance and Flood Insurance. No Federal entity or source may provide disaster assistance for any purpose with respect to the Property, nor may any application for such assistance be made to any federal entity or source. The Property is not eligible for coverage under the NFIP for damage to structures on the property occurring after the date of the property settlement, except for pre-existing structures being relocated off the property as a result of the project.

d. Transfer. The Grantee, including successors in interest, shall convey any interest in the Property only if

i. The request by the Grantee, through the State, to the FEMA Regional Administrator must include a signed statement from the proposed transferee that it acknowledges and agrees to be bound by the terms of this section, and documentation of its status as a qualified conservation organization if applicable.

ii. The Grantee may convey a property interest only to a public entity or to a qualified conservation organization. However, the Grantee may convey an easement or lease to a private individual or entity for purposes compatible with the uses described in paragraph (a), of this section, with the prior approval of the FEMA Regional Administrator, and so long as they conveyance does not include authority to control and enforce the terms and conditions of this section.

iii. If title to the Property is transferred to a public entity other than one with a conservation mission, it must be conveyed subject to a conservation easement that shall be recorded with the deed and shall incorporate all terms and conditions set forth in this section, including the easement holder's responsibility to enforce the easement. This shall be accomplished by one of the following means:

a) The Grantee shall convey, in accordance with this paragraph, a conservation easement to an entity other than the title holder, which shall be recorded with the deed, or

b) At the time of title transfer, the Grantee shall retain such conservation easement, and record it with the deed.

iv. Conveyance of any property interest must reference and incorporate the original deed restrictions providing notice of the conditions in this section and must incorporate a provision for the property interest to revert to the State, Tribe, or local government in the event that the transferee ceases to exist or loses its eligible status under this section.

2. Inspection. FEMA, its representatives and assigns including the State or Tribe shall have the right to enter upon the Property, at reasonable times and with reasonable notice, for the purpose of inspecting the Property to ensure compliance with the terms of this part, the Property conveyance and of the grant award.

3. Monitoring and Reporting. Every three years on December 31, the Grantee (mitigation grant program subgrantee), in coordination with any current successors in interest, shall submit through the State to the FEMA Regional Administrator a report certifying that the Grantee has inspected the Property within the month preceding the report, and that the Property continues to be maintained consistent with the provisions of 44 C.F.R. Part 80, the property conveyance, and the grant award.

4. Enforcement. The Grantee (mitigation grant program subgrantee), the State, FEMA, and their respective representatives, successors and assigns, are responsible for taking measures to bring the Property back into compliance if the Property is not maintained according to the terms of 44 C.F.R. Part 80, the property conveyance, and the grant award. The relative rights and responsibilities of FEMA, the State, the Grantee and subsequent holders of the property interest at the time of enforcement, shall include the following:

a. The State will notify the Grantee and any current holder of the property interest in writing and advise them that they have 60 days to correct the violation.

i. If the Grantee or any current holder of the property interest fails to demonstrate a good faith effort to come into compliance with the terms of the grant within the 60-day period, the State shall enforce the terms of the grant by taking any measures it deems appropriate, including but not limited to bringing an action at law or in equity in a court of competent jurisdiction.

ii. FEMA, its representatives, and assignees may enforce the terms of the grant by taking any measures it deems appropriate, including but not limited to 1 or more of the following:

a) Withholding FEMA mitigation awards or assistance from the State or Tribe, and Grantee; and current holder of the property interest.

b) Requiring the transfer of title. The Grantee or the current holder of the property interest shall bear the costs of bringing the Property back into compliance with the terms of the grant; or

c) Bringing an action at law or in equity in a court of competent jurisdiction against any or all of the following parties: the State, the Tribe, the local community, and their respective successors.

5. Amendment. This agreement may be amended upon signatures of FEMA, the State, and the Grantee only to the extent that such amendment does not affect the fundamental and statutory purposes underlying the agreement.

6. Severability. Should any provision of this grant or the application thereof to any person or circumstance be found to be invalid or unenforceable, the rest and remainder of the provisions of this grant and their application shall not be affected and shall remain valid and enforceable.

Matthew Miller	MATTHEW J. MILLER	14 Sept 2022
Grantor's Signature	Name (printed or typed)	Date
	KERI D. MILLER	14 Sept. 2022

STATE OF IOWA)
) ss:
COUNTY OF BLACK HAWK)

This record was acknowledged before me on the 14th day of September, 2022, by Matthew J & Keri D Miller.

KATHERINE LINN TERHUNE
Commission Number 827046
My Commission Expires
October 22, 2023

Notary Public in and for the State of Iowa

Jennifer Rodenbeck — Jennifer Rodenbeck — 9/1/22

Grantee's Signature — Name (printed or typed) — Date

Director of Fin. & Bus. Op.

Title

STATE OF IOWA)
) ss:
COUNTY OF BLACK HAWK)

This record was acknowledged before me on the 1 day of September, 2022, by Jennifer Rodenbeck, Director of Finance and Business Operations, City of Cedar Falls, Iowa.

NOTARIAL SEAL IOWA
AMY C EGGLESTON
Commission Number 810492
My Commission Expires
May 11, 2024

Amy C Eggleston

Notary Public in and for the State of Iowa

Return To: City of Cedar Falls, Iowa, 220 Clay Street, Cedar Falls, IA 50613
Taxpayer: City of Cedar Falls, Iowa, 220 Clay Street, Cedar Falls, IA 50613
Preparer: Steven A. Weidner, Swisher & Cohrt PLC, P.O. Box 1200, Waterloo, IA 50704-1200

WARRANTY DEED

For the consideration of One and no/100 Dollar and other valuable consideration, Jack Lawrence Brandt a/k/a Jack L. Brandt and Theresa Marie Brandt a/k/a Theresa Brandt a/k/a Theresa M. Brandt, husband and wife, do hereby Convey to The City of Cedar Falls, Iowa, the following described real estate in Black Hawk County, Iowa:

Lots 22 and 23 in Cedar Acres Addition, in Black Hawk County, Iowa.

There is no known private burial site, well, solid waste disposal site, underground storage tank, hazardous waste, or private sewage disposal system on the property as described in Iowa Code section 558.69, and therefore the transaction is exempt from the requirement to submit a groundwater hazard statement.

Grantors do Hereby Covenant with grantees, and successors in interest, that grantors hold the real estate by title in fee simple; that they have good and lawful authority to sell and convey the real estate; that the real estate is free and clear of all liens and encumbrances except as may be above stated; and grantors Covenant to Warrant and Defend the real estate against the lawful claims of all persons except as may be above stated. Each of the undersigned hereby relinquishes all rights of dower, homestead and distributive share in and to the real estate.

Words and phrases herein, including acknowledgment hereof, shall be construed as in the singular or plural number, and as masculine or feminine gender, according to the context.

Dated: 9/2/22.

Jack Lawrence Brandt a/k/a Jack L. Brandt

Theresa M Brandt

Theresa Marie Brandt a/k/a Theresa Brandt
a/k/a Theresa M. Brandt

STATE OF IOWA, COUNTY OF BLACK HAWK

This record was acknowledged before me on Sept 9th, 2022, by Jack Lawrence Brandt a/k/a Jack L. Brandt and Theresa Marie Brandt a/k/a Theresa Brandt a/k/a Theresa M. Brandt, husband and wife.

Notary Public in and for the State of Iowa

NOTARIAL SEAL IOWA
KATHERINE LINN TERHUNE
Commission Number 827046
My Commission Expires
October 22, 2023

Prepared by Kevin Rogers, City Attorney, 220 Clay Street, Cedar Falls, IA 50613; (319)273-8600

RELEASE OF REAL ESTATE MORTGAGE

The undersigned, the present owner(s) of the mortgage hereinafter described, do hereby acknowledge that a certain mortgage bearing date of June 20, 2019, made and executed by Jack L. Brandt to Cedar Falls Community Credit Union and Recorded in the records of the office of the Recorder of the County of Black Hawk, State of Iowa, recorded as document reference number 2020-121 on July 2, 2019, is redeemed, paid off, satisfied and discharged in full.

Words and phrases herein, including acknowledgment hereof, shall be construed as in the singular or plural number, and as masculine, feminine or neuter gender, according to the context.

Dated 09/02/2022.

Cedar Falls Community Credit Union

By: _____ By: Shay Bertram

Its: Mortgage Servicer Its: _____

STATE OF IOWA, COUNTY OF BLACK HAWK:

This record was acknowledged before me on 9/2/22, by Hailey Olson as public notary of Cedar Falls Community Credit Union.

NOTARIAL SEAL IOWA
HAILEY OLSON
COMMISSION NO. 837185
MY COMMISSION EXPIRES
2/27/25

Hailey Olson
Signature of Notary Public

Prepared by Kevin Rogers, 220 Clay Street, Cedar Falls, IA 50613, (319) 243-2713

FLOOD MITIGATION DEED RESTRICTION

WHEREAS, property or properties legally described as:
Lots 22 & 23 in Cedar Acres Addition in Black Hawk County, Iowa
("Property") were conveyed by Deed between Theresa M. Brandt and Jack L. Brandt participating in the federally-assisted acquisition project ("the Grantor") and City of Cedar Falls, Iowa ("the Grantee") its successors and assigns; and

WHEREAS, the Robert T. Stafford Disaster Relief and Emergency Assistance Act, ("The Stafford Act"), 42 U.S.C. § 5121 et seq., identifies the use of disaster relief funds under § 5170c, **Hazard Mitigation Grant Program ("HMGP"),** including the acquisition and relocation of structures in the floodplain; and

WHEREAS, the mitigation grant program provides a process for a local government, through the State, to apply for federal funds mitigation assistance to acquire interests in property, including the purchase of structures in the floodplain, to demolish and/or remove the structures, and to maintain the use of the Property as open space in perpetuity; and

WHEREAS, the State of Iowa has applied for and been awarded such funding from the Department of Homeland Security, Federal Emergency Management Agency ("FEMA"), and has entered into a mitigation grant program Grant Agreement, dated December 9, 2015 and herein incorporated by reference; making it a mitigation grant program grantee; and

WHEREAS, the Property is located in Cedar Falls, Black Hawk County, Iowa, which in the National Flood Insurance Program ("NFIP") and is in good standing with NFIP as of the date of the Deed; and

WHEREAS, the City of Cedar Falls, acting by and through the City Council, has applied for and been awarded federal funds pursuant to an agreement with Iowa dated October 6,2021 ("State-Local Agreement") and herein incorporated by reference, making it a mitigation grant program subgrantee; and,

WHEREAS, the terms of the mitigation grant program statutory authorities, Federal program requirements consistent with 44 C.F.R. Part 80, the Grant Agreement, and the State-local Agreement require that the Grantee agree to conditions that restrict the use of the land to open space in perpetuity in order to protect and preserve natural floodplain values;

NOW, therefore, the grant is made subject to the following terms and conditions:

1. Terms. Pursuant to the terms of HMGP program statutory authorities, Federal program requirements consistent with 44 C.F.R. Part 80, the Grant agreement, and the State-local agreement, the following conditions and restrictions shall apply in perpetuity to the Property described in the attached deed and acquired by the Grantee pursuant to FEMA program requirements concerning the acquisition of property for open space:

a. Compatible uses. The property shall be dedicated and maintained in perpetuity as open space for the conservation of natural floodplain functions. Such uses may include: parks for outdoor recreational activities; wetlands management; nature reserves; cultivation; grazing; camping (except where adequate warning time is not available to allow evacuation); unimproved, unpaved parking lots; buffer zones; and other uses consistent with FEMA guidance for open space acquisition, Hazard Mitigation Assistance, Requirements for Property Acquisition and Relocation for Open Space.

b. Structures. No new structures or improvements shall be erected on the property other than:

(1) A public facility that is open on all sides and functionally related to a designated open space or recreational use;

(2) A public restroom; or

(3) A structure that is compatible with open space and conserves the natural function of the floodplain, including the uses describe din Paragraph 1.a, above, and approved by the FEMA Administrator in writing before the construction of the structure begins.

Any improvements on the Property shall be in accordance with proper floodplain management policies and practices. Structures built on the Property according to paragraph b. of this section shall be floodproofed or elevated to at least the base flood level plus 1 foot of freeboard, or greater, if required by FEMA, or if required by any State, Tribal, or local ordinance, and in accordance with criteria established by the FEMA Administrator.

c. Disaster Assistance and Flood Insurance. No Federal entity or source may provide disaster assistance for any purpose with respect to the Property, nor may any application for such assistance be made to any federal entity or source. The Property is not eligible for coverage under the NFIP for damage to structures on the property occurring after the date of the property settlement, except for pre-existing structures being relocated off the property as a result of the project.

d. Transfer. The Grantee, including successors in interest, shall convey any interest in the Property only if

i. The request by the Grantee, through the State, to the FEMA Regional Administrator must include a signed statement from the proposed transferee that it acknowledges and agrees to be bound by the terms of this section, and documentation of its status as a qualified conservation organization if applicable.

ii. The Grantee may convey a property interest only to a public entity or to a qualified conservation organization. However, the Grantee may convey an easement or lease to a private individual or entity for purposes compatible with the uses described in paragraph (a), of this section, with the prior approval of the FEMA Regional Administrator, and so long as they conveyance does not include authority to control and enforce the terms and conditions of this section.

iii. If title to the Property is transferred to a public entity other than one with a conservation mission, it must be conveyed subject to a conservation easement that shall be recorded with the deed and shall incorporate all terms and conditions set forth in this section, including the easement holder's responsibility to enforce the easement. This shall be accomplished by one of the following means:

a) The Grantee shall convey, in accordance with this paragraph, a conservation easement to an entity other than the title holder, which shall be recorded with the deed, or

b) At the time of title transfer, the Grantee shall retain such conservation easement, and record it with the deed.

iv. Conveyance of any property interest must reference and incorporate the original deed restrictions providing notice of the conditions in this section and must incorporate a provision for the property interest to revert to the State, Tribe, or local government in the event that the transferee ceases to exist or loses its eligible status under this section.

2. Inspection. FEMA, its representatives and assigns including the State or Tribe shall have the right to enter upon the Property, at reasonable times and with reasonable notice, for the purpose of inspecting the Property to ensure compliance with the terms of this part, the Property conveyance and of the grant award.

3. Monitoring and Reporting. Every three years on December 31, the Grantee (mitigation grant program subgrantee), in coordination with any current successors in interest, shall submit through the State to the FEMA Regional Administrator a report certifying that the Grantee has inspected the Property within the month preceding the report, and that the Property continues to be maintained consistent with the provisions of 44 C.F.R. Part 80, the property conveyance, and the grant award.

4. Enforcement. The Grantee (mitigation grant program subgrantee), the State, FEMA, and their respective representatives, successors and assigns, are responsible for taking measures to bring the Property back into compliance if the Property is not maintained according to the terms of 44 C.F.R. Part 80, the property conveyance, and the grant award. The relative rights and responsibilities of FEMA, the State, the Grantee and subsequent holders of the property interest at the time of enforcement, shall include the following:

a. The State will notify the Grantee and any current holder of the property interest in writing and advise them that they have 60 days to correct the violation.

i. If the Grantee or any current holder of the property interest fails to demonstrate a good faith effort to come into compliance with the terms of the grant within the 60-day period, the State shall enforce the terms of the grant by taking any measures it deems appropriate, including but not limited to bringing an action at law or in equity in a court of competent jurisdiction.

ii. FEMA, its representatives, and assignees may enforce the terms of the grant by taking any measures it deems appropriate, including but not limited to 1 or more of the following:

a) Withholding FEMA mitigation awards or assistance from the State or Tribe, and Grantee; and current holder of the property interest.

b) Requiring the transfer of title. The Grantee or the current holder of the property interest shall bear the costs of bringing the Property back into compliance with the terms of the grant; or

c) Bringing an action at law or in equity in a court of competent jurisdiction against any or all of the following parties: the State, the Tribe, the local community, and their respective successors.

5. Amendment. This agreement may be amended upon signatures of FEMA, the State, and the Grantee only to the extent that such amendment does not affect the fundamental and statutory purposes underlying the agreement.

6. Severability. Should any provision of this grant or the application thereof to any person or circumstance be found to be invalid or unenforceable, the rest and remainder of the provisions of this grant and their application shall not be affected and shall remain valid and enforceable.

Grantor's Signature	Jack Brandt Name (printed or typed)	9/2/22 Date
Theresa M Brandt Grantor's Signature	Theresa M Brandt Name (printed or typed)	9/2/22 Date

STATE OF IOWA)
) ss:
COUNTY OF BLACK HAWK)

This record was acknowledged before me on the 9th day of September, 2022, by Katherine L Terhune and _____.

KATHERINE LINN TERHUNE
Commission Number 827046
My Commission Expires
October 22, 2023

Notary Public in and for the State of Iowa

Jennifer Rodenbeck — Jennifer Rodenbeck — 9/1/22

Grantee's Signature | Name (printed or typed) | Date

Director of Finance & Bus Op

Title

State of Iowa)
)
County of Black Hawk)

This record was acknowledged before me on the 1 day of September, 2022, by Jennifer Rodenbeck, Director of Finance and Business Operations, City of Cedar Falls, Iowa.

NOTARIAL SEAL IOWA
AMY C EGGLESTON
Commission Number 810492
My Commission Expires
May 11, 2024

Amy C Eggleston

Notary Public in and for the State of Iowa

WARRANTY DEED

Recorder's Cover Sheet

Preparer Information: Kevin Rogers, 220 Clay Street, Cedar Falls, IA 50613, Phone: (319) 273-8600

Taxpayer Information: City Clerk, 220 Clay Street, Cedar Falls, IA 50613

Return Document To: City Clerk, 220 Clay Street, Cedar Falls, IA 50613

Grantors: James A. Mehmen

Grantees: City of Cedar Falls, Iowa

Legal Description: See Page 2

Document or instrument number of previously recorded documents:

WARRANTY DEED

For the consideration of One Dollar(s) and other valuable consideration, James A. Mehmen, a single person, does hereby Convey to City of Cedar Falls, Iowa, a municipal corporation organized and existing under the laws of Iowa, the following described real estate in Black Hawk County, Iowa:

Lot No. Thirty-Eight (38) in Cedar Acres Addition in Black Hawk County, Iowa, subject to easements of record

There is no known private burial site, well, solid waste disposal site, underground storage tank, hazardous waste, or private sewage disposal system on the property as described in Iowa Code Section 558.69, and therefore the transaction is exempt from the requirement to submit a groundwater hazard statement.

Grantor does Hereby Covenant with grantee, and successors in interest, that grantor holds the real estate by title in fee simple; that he has good and lawful authority to sell and convey the real estate; that the real estate is free and clear of all liens and encumbrances except as may be above stated; and grantor Covenants to Warrant and Defend the real estate against the lawful claims of all persons except as may be above stated. The undersigned hereby relinquishes all rights of dower, homestead and distributive share in and to the real estate.

Words and phrases herein, including acknowledgment hereof, shall be construed as in the singular or plural number, and as masculine or feminine gender, according to the context.

Dated: 9-8-22.

James A Mehmen

James A. Mehmen, Grantor

STATE OF IOWA, COUNTY OF BLACK HAWK

This record was acknowledged before me on September 8 2022 by James A. Mehmen, a single person.

Signature of Notary Public

NOTARIAL SEAL IOWA
KATHERINE LINN TERHUNE
Commission Number 827046
My Commission Expires
October 22, 2023

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IowaDocs®

Prepared by Kevin Rogers, 220 Clay Street, Cedar Falls, IA 50613, (319) 273-6800

FLOOD MITIGATION DEED RESTRICTION

WHEREAS, property or properties legally described as follows;
Lot No. Thirty-Eight (38) in Cedar Acres Addition in Black Hawk County, Iowa ("Property") were conveyed by Deed between James A. Mehmen participating in the federally-assisted acquisition project ("the Grantor") and City of Cedar Falls, Iowa ("the Grantee") its successors and assigns; and

WHEREAS, the Robert T. Stafford Disaster Relief and Emergency Assistance Act, ("The Stafford Act"), 42 U.S.C. § 5121 et seq., identifies the use of disaster relief funds under § 5170c, **Hazard Mitigation Grant Program ("HMGP"),** including the acquisition and relocation of structures in the floodplain; and

WHEREAS, the mitigation grant program provides a process for a local government, through the State, to apply for federal funds mitigation assistance to acquire interests in property, including the purchase of structures in the floodplain, to demolish and/or remove the structures, and to maintain the use of the Property as open space in perpetuity; and

WHEREAS, the State of Iowa has applied for and been awarded such funding from the Department of Homeland Security, Federal Emergency Management Agency ("FEMA"), and has entered into a mitigation grant program Grant Agreement, dated December 9, 2015 and herein incorporated by reference; making it a mitigation grant program grantee; and

WHEREAS, the Property is located in Cedar Falls, Black Hawk County, Iowa, which in the National Flood Insurance Program ("NFIP") and is in good standing with NFIP as of the date of the Deed; and

WHEREAS, the City of Cedar Falls, acting by and through the City Council, has applied for and been awarded federal funds pursuant to an agreement with Iowa dated October 6,2021 ("State-Local Agreement") and herein incorporated by reference, making it a mitigation grant program subgrantee; and,

WHEREAS, the terms of the mitigation grant program statutory authorities, Federal program requirements consistent with 44 C.F.R. Part 80, the Grant Agreement, and the State-local Agreement require that the Grantee agree to conditions that restrict the use of the land to open space in perpetuity in order to protect and preserve natural floodplain values;

NOW, therefore, the grant is made subject to the following terms and conditions:

1. Terms. Pursuant to the terms of HMGP program statutory authorities, Federal program requirements consistent with 44 C.F.R. Part 80, the Grant agreement, and the State-local agreement, the following conditions and restrictions shall apply in perpetuity to the Property described in the attached deed and acquired by the Grantee pursuant to FEMA program requirements concerning the acquisition of property for open space:

a. Compatible uses. The property shall be dedicated and maintained in perpetuity as open space for the conservation of natural floodplain functions. Such uses may include: parks for outdoor recreational activities; wetlands management; nature reserves; cultivation; grazing; camping (except where adequate warning time is not available to allow evacuation); unimproved, unpaved parking lots; buffer zones; and other uses consistent with FEMA guidance for open space acquisition, Hazard Mitigation Assistance, Requirements for Property Acquisition and Relocation for Open Space.

b. Structures. No new structures or improvements shall be erected on the property other than:

(1) A public facility that is open on all sides and functionally related to a designated open space or recreational use;

(2) A public restroom; or

(3) A structure that is compatible with open space and conserves the natural function of the floodplain, including the uses describe din Paragraph 1.a, above, and approved by the FEMA Administrator in writing before the construction of the structure begins.

Any improvements on the Property shall be in accordance with proper floodplain management policies and practices. Structures built on the Property according to paragraph b. of this section shall be floodproofed or elevated to at least the base flood level plus 1 foot of freeboard, or greater, if required by FEMA, or if required by any State, Tribal, or local ordinance, and in accordance with criteria established by the FEMA Administrator.

c. Disaster Assistance and Flood Insurance. No Federal entity or source may provide disaster assistance for any purpose with respect to the Property, nor may any application for such assistance be made to any federal entity or source. The Property is not eligible for coverage under the NFIP for damage to structures on the property occurring after the date of the property settlement, except for pre-existing structures being relocated off the property as a result of the project.

d. Transfer. The Grantee, including successors in interest, shall convey any interest in the Property only if

i. The request by the Grantee, through the State, to the FEMA Regional Administrator must include a signed statement from the proposed transferee that it acknowledges and agrees to be bound by the terms of this section, and documentation of its status as a qualified conservation organization if applicable.

ii. The Grantee may convey a property interest only to a public entity or to a qualified conservation organization. However, the Grantee may convey an easement or lease to a private individual or entity for purposes compatible with the uses described in paragraph (a), of this section, with the prior approval of the FEMA Regional Administrator, and so long as they conveyance does not include authority to control and enforce the terms and conditions of this section.

iii. If title to the Property is transferred to a public entity other than one with a conservation mission, it must be conveyed subject to a conservation easement that shall be recorded with the deed and shall incorporate all terms and conditions set forth in this section, including the easement holder's responsibility to enforce the easement. This shall be accomplished by one of the following means:

a) The Grantee shall convey, in accordance with this paragraph, a conservation easement to an entity other than the title holder, which shall be recorded with the deed, or

b) At the time of title transfer, the Grantee shall retain such conservation easement, and record it with the deed.

iv. Conveyance of any property interest must reference and incorporate the original deed restrictions providing notice of the conditions in this section and must incorporate a provision for the property interest to revert to the State, Tribe, or local government in the event that the transferee ceases to exist or loses its eligible status under this section.

2. Inspection. FEMA, its representatives and assigns including the State or Tribe shall have the right to enter upon the Property, at reasonable times and with reasonable notice, for the purpose of inspecting the Property to ensure compliance with the terms of this part, the Property conveyance and of the grant award.

3. Monitoring and Reporting. Every three years on December 31, the Grantee (mitigation grant program subgrantee), in coordination with any current successors in interest, shall submit through the State to the FEMA Regional Administrator a report certifying that the Grantee has inspected the Property within the month preceding the report, and that the Property continues to be maintained consistent with the provisions of 44 C.F.R. Part 80, the property conveyance, and the grant award.

4. Enforcement. The Grantee (mitigation grant program subgrantee), the State, FEMA, and their respective representatives, successors and assigns, are responsible for taking measures to bring the Property back into compliance if the Property is not maintained according to the terms of 44 C.F.R. Part 80, the property conveyance, and the grant award. The relative rights and responsibilities of FEMA, the State, the Grantee and subsequent holders of the property interest at the time of enforcement, shall include the following:

a. The State will notify the Grantee and any current holder of the property interest in writing and advise them that they have 60 days to correct the violation.

i. If the Grantee or any current holder of the property interest fails to demonstrate a good faith effort to come into compliance with the terms of the grant within the 60-day period, the State shall enforce the terms of the grant by taking any measures it deems appropriate, including but not limited to bringing an action at law or in equity in a court of competent jurisdiction.

ii. FEMA, its representatives, and assignees may enforce the terms of the grant by taking any measures it deems appropriate, including but not limited to 1 or more of the following:

a) Withholding FEMA mitigation awards or assistance from the State or Tribe, and Grantee; and current holder of the property interest.

b) Requiring the transfer of title. The Grantee or the current holder of the property interest shall bear the costs of bringing the Property back into compliance with the terms of the grant; or

c) Bringing an action at law or in equity in a court of competent jurisdiction against any or all of the following parties: the State, the Tribe, the local community, and their respective successors.

5. Amendment. This agreement may be amended upon signatures of FEMA, the State, and the Grantee only to the extent that such amendment does not affect the fundamental and statutory purposes underlying the agreement.

6. Severability. Should any provision of this grant or the application thereof to any person or circumstance be found to be invalid or unenforceable, the rest and remainder of the provisions of this grant and their application shall not be affected and shall remain valid and enforceable.

James A Mehmen — Grantor's Signature
JAMES A MEHMEN — Name (printed or typed)
9-8-22 — Date

STATE OF IOWA)
) ss:
COUNTY OF BLACK HAWK)

This record was acknowledged before me on the 8th day of September, 2022, by Katherine L. Terhune.

KATHERINE LINN TERHUNE
Commission Number 827046
My Commission Expires
October 22, 2023

Notary Public in and for the State of Iowa

Jennifer Rodenbeck — Grantee's Signature
Jennifer Rodenbeck — Name (printed or typed)
9/7/22 — Date

Director of Finance & Bus Op. — Title

STATE OF IOWA)
) ss:
COUNTY OF BLACK HAWK)

This record was acknowledged before me on the 7th day of September, 2022, by Jennifer Rodenbeck, Director of Finance and Business Operations, City of Cedar Falls, Iowa.

AMY C EGGLESTON
Commission Number 810492
My Commission Expires
May 11, 2024

Amy C Eggleston
Notary Public in and for the State of Iowa

WARRANTY DEED
(Several Grantors)
Recorder's Cover Sheet

Preparer Information: Kevin Rogers, 220 Clay Street, Cedar Falls, IA 50613, Phone: (319) 273-8600

Taxpayer Information: City Clerk, 220 Clay Street, Cedar Falls, IA 50613

Return Document To: City Clerk, 220 Clay Street, Cedar Falls, IA 50613

Grantors: Jennifer Dawn Giesler and Michael J. Giesler

Grantees: City of Cedar Falls, Iowa

Legal Description: See Page 2

Document or instrument number of previously recorded documents:

WARRANTY DEED
(Several Grantors)

For the consideration of One Dollar(s) and other valuable consideration, Jennifer D. Cole n/k/a Jennifer Dawn Giesler and Michael J. Giesler, husband and wife, do hereby Convey to City of Cedar Falls, Iowa, a municipal corporation organized and existing under the laws of Iowa, the following described real estate in Black Hawk County, Iowa:

Lot 15 and Lot 16, Bruhn's Sub-Division No. Two, in Black Hawk County, Iowa, subject to easements of record

There is no known private burial site, well, solid waste disposal site, underground storage tank, hazardous waste, or private sewage disposal system on the property as described in Iowa Code Section 558.69, and therefore the transaction is exempt from the requirement to submit a groundwater hazard statement.

Grantors do Hereby Covenant with grantees, and successors in interest, that grantors hold the real estate by title in fee simple; that they have good and lawful authority to sell and convey the real estate; that the real estate is free and clear of all liens and encumbrances except as may be above stated; and grantors Covenant to Warrant and Defend the real estate against the lawful claims of all persons except as may be above stated. Each of the undersigned hereby relinquishes all rights of dower, homestead and distributive share in and to the real estate.

Words and phrases herein, including acknowledgment hereof, shall be construed as in the singular or plural number, and as masculine or feminine gender, according to the context.

Dated: 9/8/22.

Jennifer Dawn Giesler, Grantor

Michael J. Giesler, Grantor

STATE OF IOWA, COUNTY OF BLACK HAWK

This record was acknowledged before me on September 8 2022 by Jennifer Dawn Giesler and Michael J. Giesler, husband and wife.

KATHERINE LINN TERHUNE
Commission Number 827046
My Commission Expires
October 22, 2023

Signature of Notary Public

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IowaDocs®

Prepared by Kevin Rogers, 220 Clay Street, Cedar Falls, IA 50613, (319) 273-6800

FLOOD MITIGATION DEED RESTRICTION

WHEREAS, property or properties legally described as:
Lot 15 and Lot 16, Bruhn's Sub-Division No. Two, in Black Hawk County, Iowa ("Property") were conveyed by Deed between Jennifer D. Cole n/k/a Jennifer Dawn Giesler and Michael J. Giesler participating in the federally-assisted acquisition project ("the Grantor") and City of Cedar Falls, Iowa ("the Grantee") its successors and assigns; and

WHEREAS, the Robert T. Stafford Disaster Relief and Emergency Assistance Act, ("The Stafford Act"), 42 U.S.C. § 5121 et seq., identifies the use of disaster relief funds under § 5170c, **Hazard Mitigation Grant Program ("HMGP"),** including the acquisition and relocation of structures in the floodplain; and

WHEREAS, the mitigation grant program provides a process for a local government, through the State, to apply for federal funds mitigation assistance to acquire interests in property, including the purchase of structures in the floodplain, to demolish and/or remove the structures, and to maintain the use of the Property as open space in perpetuity; and

WHEREAS, the State of Iowa has applied for and been awarded such funding from the Department of Homeland Security, Federal Emergency Management Agency ("FEMA"), and has entered into a mitigation grant program Grant Agreement, dated December 9, 2015 and herein incorporated by reference; making it a mitigation grant program grantee; and

WHEREAS, the Property is located in Cedar Falls, Black Hawk County, Iowa, which in the National Flood Insurance Program ("NFIP") and is in good standing with NFIP as of the date of the Deed; and

WHEREAS, the City of Cedar Falls, acting by and through the City Council, has applied for and been awarded federal funds pursuant to an agreement with Iowa dated October 6,2021 ("State-Local Agreement") and herein incorporated by reference, making it a mitigation grant program subgrantee; and,

WHEREAS, the terms of the mitigation grant program statutory authorities, Federal program requirements consistent with 44 C.F.R. Part 80, the Grant Agreement, and the State-local Agreement require that the Grantee agree to conditions that restrict the use of the land to open space in perpetuity in order to protect and preserve natural floodplain values;

NOW, therefore, the grant is made subject to the following terms and conditions:

1. Terms. Pursuant to the terms of HMGP program statutory authorities, Federal program requirements consistent with 44 C.F.R. Part 80, the Grant agreement, and the State-local agreement, the following conditions and restrictions shall apply in perpetuity to the Property described in the attached deed and acquired by the Grantee pursuant to FEMA program requirements concerning the acquisition of property for open space:

a. Compatible uses. The property shall be dedicated and maintained in perpetuity as open space for the conservation of natural floodplain functions. Such uses may include: parks for outdoor recreational activities; wetlands management; nature reserves; cultivation; grazing; camping (except where adequate warning time is not available to allow evacuation); unimproved, unpaved parking lots; buffer zones; and other uses consistent with FEMA guidance for open space acquisition, Hazard Mitigation Assistance, Requirements for Property Acquisition and Relocation for Open Space.

b. Structures. No new structures or improvements shall be erected on the property other than:

(1) A public facility that is open on all sides and functionally related to a designated open space or recreational use;

(2) A public restroom; or

(3) A structure that is compatible with open space and conserves the natural function of the floodplain, including the uses describe din Paragraph 1.a, above, and approved by the FEMA Administrator in writing before the construction of the structure begins.

Any improvements on the Property shall be in accordance with proper floodplain management policies and practices. Structures built on the Property according to paragraph b. of this section shall be floodproofed or elevated to at least the base flood level plus 1 foot of freeboard, or greater, if required by FEMA, or if required by any State, Tribal, or local ordinance, and in accordance with criteria established by the FEMA Administrator.

c. Disaster Assistance and Flood Insurance. No Federal entity or source may provide disaster assistance for any purpose with respect to the Property, nor may any application for such assistance be made to any federal entity or source. The Property is not eligible for coverage under the NFIP for damage to structures on the property occurring after the date of the property settlement, except for pre-existing structures being relocated off the property as a result of the project.

d. Transfer. The Grantee, including successors in interest, shall convey any interest in the Property only if

i. The request by the Grantee, through the State, to the FEMA Regional Administrator must include a signed statement from the proposed transferee that it acknowledges and agrees to be bound by the terms of this section, and documentation of its status as a qualified conservation organization if applicable.

ii. The Grantee may convey a property interest only to a public entity or to a qualified conservation organization. However, the Grantee may convey an easement or lease to a private individual or entity for purposes compatible with the uses described in paragraph (a), of this section, with the prior approval of the FEMA Regional Administrator, and so long as they conveyance does not include authority to control and enforce the terms and conditions of this section.

iii. If title to the Property is transferred to a public entity other than one with a conservation mission, it must be conveyed subject to a conservation easement that shall be recorded with the deed and shall incorporate all terms and conditions set forth in this section, including the easement holder's responsibility to enforce the easement. This shall be accomplished by one of the following means:

a) The Grantee shall convey, in accordance with this paragraph, a conservation easement to an entity other than the title holder, which shall be recorded with the deed, or

b) At the time of title transfer, the Grantee shall retain such conservation easement, and record it with the deed.

iv. Conveyance of any property interest must reference and incorporate the original deed restrictions providing notice of the conditions in this section and must incorporate a provision for the property interest to revert to the State, Tribe, or local government in the event that the transferee ceases to exist or loses its eligible status under this section.

2. Inspection. FEMA, its representatives and assigns including the State or Tribe shall have the right to enter upon the Property, at reasonable times and with reasonable notice, for the purpose of inspecting the Property to ensure compliance with the terms of this part, the Property conveyance and of the grant award.

3. Monitoring and Reporting. Every three years on December 31, the Grantee (mitigation grant program subgrantee), in coordination with any current successors in interest, shall submit through the State to the FEMA Regional Administrator a report certifying that the Grantee has inspected the Property within the month preceding the report, and that the Property continues to be maintained consistent with the provisions of 44
C.F.R. Part 80, the property conveyance, and the grant award.

4. Enforcement. The Grantee (mitigation grant program subgrantee), the State, FEMA, and their respective representatives, successors and assigns, are responsible for taking measures to bring the Property back into compliance if the Property is not maintained according to the terms of 44 C.F.R. Part 80, the property conveyance, and the grant award. The relative rights and responsibilities of FEMA, the State, the Grantee and subsequent holders of the property interest at the time of enforcement, shall include the following:

a. The State will notify the Grantee and any current holder of the property interest in writing and advise them that they have 60 days to correct the violation.

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ii. FEMA, its representatives, and assignees may enforce the terms of the grant by taking any measures it deems appropriate, including but not limited to 1 or more of the following:

a) Withholding FEMA mitigation awards or assistance from the State or Tribe, and Grantee; and current holder of the property interest.

b) Requiring the transfer of title. The Grantee or the current holder of the property interest shall bear the costs of bringing the Property back into compliance with the terms of the grant; or

c) Bringing an action at law or in equity in a court of competent jurisdiction against any or all of the following parties: the State, the Tribe, the local community, and their respective successors.

5. Amendment. This agreement may be amended upon signatures of FEMA, the State, and the Grantee only to the extent that such amendment does not affect the fundamental and statutory purposes underlying the agreement.

6. Severability. Should any provision of this grant or the application thereof to any person or circumstance be found to be invalid or unenforceable, the rest and remainder of the provisions of this grant and their application shall not be affected and shall remain valid and enforceable.

Jennifer Giesler	Jennifer Giesler	9/8/22
Grantor's Signature	Name (printed or typed)	Date
Mike J Giesler	Mike J Giesler	9/8/22
Grantor's Signature	Name (printed or typed)	Date

STATE OF IOWA)
) ss:
COUNTY OF BLACK HAWK)

This record was acknowledged before me on the 8th day of September, 2022, by Katherine L. Terhune and _____.

KATHERINE LINN TERHUNE
Commission Number 827046
My Commission Expires
October 22, 2023

Notary Public in and for the State of Iowa

Jennifer Rodenbeck — Jennifer Rodenbeck — 9/7/22

Grantee's Signature — Name (printed or typed) — Date

Director of Finance & Bus. Op

Title

STATE OF IOWA)
) ss:
COUNTY OF BLACK HAWK)

This record was acknowledged before me on the 7th day of September, 2022, by Jennifer Rodenbeck, Director of Finance and Business Operations, City of Cedar Falls, Iowa.

NOTARIAL SEAL IOWA
AMY C EGGLESTON
Commission Number 810492
My Commission Expires
May 11, 2024

Amy C Eggleston

Notary Public in and for the State of Iowa

DEPARTMENT OF COMMUNITY DEVELOPMENT

City of Cedar Falls
220 Clay Street
Cedar Falls, Iowa 50613
Phone: 319-273-8600
Fax: 319-273-8610
www.cedarfalls.com

INTEROFFICE MEMORANDUM

Planning & Community Services Division

TO: Honorable Mayor Robert M. Green and City Council

FROM: Thom Weintraut, AICP Planner III

DATE: October 07, 2022

SUBJECT: Approval of Demolition Contract for the Northern Cedar Falls Flood Buyout Program, Project No. FL-000-3198

As Council may recall, the City recently acquired four (4) properties as part of the grant agreement between the Iowa Homeland Security and Emergency Management and the City for the Cedar Falls Property Acquisition and Demolition Project. All the properties contain residential structures and the properties located at 628 Longview Street and 1027 Clair Street also contain detached garages. Asbestos testing has been completed for all the properties and asbestos containing materials were at two of the locations which will be scheduled for removal. The Cedar Falls Police Division would like to conduct police training at 628 Longview and 1027 Clair Streets on Monday, October 24 and at 627 Clair Street and 824 Cottage Row Lane on Tuesday, October 25 (pending the outcome of asbestos tests). The City would like to move forward with the demolition of the six (6) structures as soon as possible due to the required timeframe as indicated in the grant agreement. The Planning and Community Services Division sent out requests for bids for demolition and received proposals back from three (3) contractors:

- Lehman Trucking & Excavating, Inc.
- Benton's Sand and Gravel
- Arends Excavation, LLC.

A summary of the bids from the three (3) contractors is attached to this memo.

The low bid was from Lehman Trucking & Excavating, INC. in Waterloo with a total amount of $41,700. Funding for demolition of the properties is identified as part of the FEMA Hazard Mitigation Grant. Attached for your approval are the Form of Contract and Certificate of Insurance from Lehman Trucking and Excavation, Inc.

The Department of Community Development recommends approving and executing the contract with Lehman Trucking and Excavation, Inc for the demolition of the structures on the four (4) properties. It is anticipated that demolitions will be completed by the beginning of December 2022.

If you have any questions or comments, feel free to contact me.

Attachments:

Summary of Bids
Contract with Lehman Trucking and Excavation

xc: Stephanie Houk Sheetz, AICP, Director of Community Development
Karen Howard, AICP, Planning and Community Services Manager

Summary of Demolition Bids

Property Address	Lehman Trucking & Excavating, INC.	Benton's Sand and Gravel	Arends Excavating, LLC
627 Clair Street	$8,700	$8,750	$18,950
1027 Clair Street	$8,300	$9,000	$17,950
628 Longview Street	$12,400	$12,500	$22,000
824 Cottage Row Lane	$12,300	$12,500	$20,500
TOTAL BID	**$41,700**	**$42,500**	**$79,400**

CEDAR FALLS Iowa

DEPARTMENT OF COMMUNITY DEVELOPMENT

SPECIFICATIONS AND CONTRACT FOR THE DEMOLITION OF 627 Clair St, 1027 Clair St, 628 Longview St, and 824 Cottage Row Lane

PROJECT NO. FL-000-3198
CEDAR FALLS, IOWA
AUGUST, 2022

627 Clair St, 1027 Clair St, 628 Longview St, and 824 Cottage Row Lane
DEMOLITION PROJECT 2021 FLOOD BUYOUT
PROJECT NO. FL-000-3198
INFORMAL PROJECT CONTRACT
CITY OF CEDAR FALLS

Contractor: Lehman Trucking & Excavating INC

Address of Contractor: 1422 Ashland Ave Waterloo, IA 50703

The undersigned Contractor, having examined and determined the scope of the contract documents, hereby proposes to provide the required labor, services, materials and equipment and to perform the Project as described in the attached contract documents, and to do all work at the listed prices.

We further propose to do all "Extra Work" which may be required to complete the work contemplated, at unit prices or lump sums to be agreed upon in writing prior to starting such work.

BID ITEM	DESCRIPTION	UNITS	EST. QUANTITY	EXTENDED PRICES
1	627 Clair Street, Cedar Falls, IA (One Story, 832 sq. ft. single family dwelling. Built 1958, no basement, 173 sq. ft. deck, 864 sq. ft. detached garage with breezeway connection, all fencing, landscaping surrounding the dwelling, gravel, and paving.)	1.0	L.S.	$8700
2	1027 Clair Street, Cedar Falls, IA (One Story, 832 sq. ft. single family dwelling. Built 1945, small, 140 sq. ft. basement area, 576 sq. ft. detached heated garage, and 120 sq. ft. shed, all fencing, landscaping surrounding the buildings, gravel, and paving.)	1.0	L.S.	$8300
3	628 Longview Street, Cedar Falls, IA (One Story, 960 sq. ft. single family dwelling. Built 1960, full basement, 840sq. ft. detached garage, a 267 sq. ft. wood and a 96 sq. ft. wood deck, all fencing, landscaping surrounding the buildings, gravel, and concrete.)	1.0	L.S.	$12400
4	824 Cottage Row Lane, Cedar Falls, IA (One Story elevated 1,520 sq. ft. single family dwelling. Built 1950, 3 stall, 1,280 sq. ft. garage underneath, a 240 sq, ft, wood deck and a 711 sq. ft. wooden deck, all fencing, landscaping around the dwelling, gravel, and concrete.)	1.0	L.S.	$12300
			TOTAL	**$41700**

The names of those persons, firms, companies or other parties with whom we intend to enter into a subcontract, together with the type of subcontracted work and approximate dollar amount of the subcontract, are as follows:

Tiedt Nursery Waverly IA Appox $7000

NOTE: All subcontractors are subject to approval by the City.

The undersigned Contractor certifies that this proposal is made in good faith, and without collusion or connection with any other person or persons bidding on the work.

The undersigned Contractor states that this proposal is made in conformity with the Contract Documents and agrees that, in the event of any discrepancies or differences between any conditions of this proposal and the Contract Documents prepared by the City of Cedar Falls, the more specific shall prevail.

FIRM: Lehman Trucking & Excavating INC

By: Jacob Lehman

(Title) President

(Business Address) 1422 Ashland Ave Waterloo, IA 50703

(Work Phone Number(s)) 319-415-2590

(Name of Contact Person) Jacob Lehman

The above prices, specifications, and conditions are satisfactory and are hereby accepted. You are authorized to do the work subject to the conditions and specifications of this document.

By: _____ Date: _____
Stephanie Houk Sheetz
City of Cedar Falls
Director of Community Development

_____ Date: _____
Jacqueline Danielsen
City of Cedar Falls
City Clerk

_____ Date: _____
Robert M. Green
City of Cedar Falls
Mayor

INFORMAL PROJECT
GENERAL CONDITIONS

TABLE OF CONTENTS OF GENERAL CONDITIONS

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S-1 INTRODUCTORY STATEMENT

Division 1, General Provisions and Covenants of the Iowa Statewide Urban Design and Specifications, Series of 2022, as amended S-20, shall apply except as amended below.

S-2 DEFINITIONS.

ADD to or CHANGE the following definitions within 1010.1.03 of SUDAS Standard Specifications.

"CONTRACTING AUTHORITY," "DEPARTMENT OF TRANSPORTATION," or "COUNTY" shall mean the CITY.

"CONTRACTOR" shall be defined as the general contractor, artisan contractor, or design contractor that will be performing work for the City of Cedar Falls under contract.

"OWNER" and "CITY" shall mean the City of Cedar Falls, Iowa acting through the City Council and duly authorized agents.

"SUDAS STANDARD SPECIFICATIONS" shall mean the Iowa Statewide Urban Design and Specifications Series of 2022, as amended S-20.

S-3 Submission of the Proposal, Identity of Bidder, and Bid Security

Add the following to the SUDAS Standard Specifications Section 1020 – 1.12:

The Bid shall be submitted on the Form of Proposal included herewith or on a computer printed proposal. All entries on the proposal shall be filled in ink, typed, or computer printed. The Bidder shall not alter the quantity, unit price or the extension that has been provided for items that have been predetermined by the contracting authority.

If the proposal is computer generated, the Bidder shall submit a form titled as "Form of Proposal," followed by: the project name, project number, the City of Cedar Falls, Iowa and the bidder's name. The form shall then include the item numbers, item descriptions, units, and item quantities. The Bidder shall specify a unit price in figures of dollars and cents for all bid items, the extensions for the respective unit prices, and quantities in figures in a column provided for the purpose, and the total amount of the proposal obtained by adding the amounts of the several items. The form shall then conclude with the Bidder's name, the legible printed name of its representative, and the representative's signature.

The low bidder will be required to furnish performance bond in an amount equal to One Hundred percent (100%) of the contract price, said bond to be issued by a responsible surety approved by the Council of City and shall guarantee the faithful performance of the contract and the terms and conditions therein contained and shall guarantee the prompt payment of all materials and labor and protect and save harmless the City from claims and damages of any kind arising out of the performance of this contract.

The Proposal shall be submitted in a sealed envelope with the Form of Proposal and Certificate of Insurance meeting the requirements in section S-5. The envelope shall bear the return address of the Bidder and shall be addressed as follows:

To: Thomas Weintraut
City of Cedar Falls
220 Clay Street
Cedar Falls, Iowa 50613

Proposal: 2021 Flood Buyout Program Demolition Project
Project No. FL-000-3198

S-4 LIMITATIONS OF OPERATIONS.

Add the following paragraph to 1.01 of SUDAS STANDARD SPECIFICATIONS:

Upon request Bidder may be required to submit three references on contract related work.

Add the following paragraph to 1080.1.07 of SUDAS Standard Specifications:

Except for such work as may be required to properly maintain lights and barricades, no work will be permitted on Sundays or legal holidays without specific permission of the OWNER.

S-5 INSURANCE.

All insurance information shall conform to SUDAS STANDARD SPECIFICATIONS Section 1070 – Legal Relations and Responsibility to the Public, with addition of maintaining the required insurance as set forth in Exhibit "A".

S-6 SUPERVISION AND SUPERINTENDENCE.

Add the following paragraph to 1050.1.03 of the SUDAS STANDARD SPECIFICATIONS:

CONTRACTOR shall maintain a qualified and responsible person available 24 hours per day, seven days per week to respond to emergencies that may occur after hours. CONTRACTOR shall provide to OWNER the phone number and/or paging service of this individual.

S-7 CONCERNING SUBCONTRACTORS, SUPPLIERS AND OTHERS.

Add the following paragraph to 1080.1.01 of the SUDAS STANDARD SPECIFICATIONS:

Bidders shall list those persons, firms, companies or other parties to whom it proposes/intends to enter into a subcontract regarding this project as required for approval by the City and as noted on the Form of Proposal and the Agreement.

S-8 COMPLIANCE WITH OSHA REGULATIONS.

Add the following paragraph to 1070.1.01 of the SUDAS STANDARD SPECIFICATIONS:

The Contractor and all subcontractors shall comply with the requirements of 29 CFR 1910 (General Industry Standard) and 29 CFR 1926 (Construction Industry Standard). The Contractor and all subcontractors are solely responsible for compliance with said regulations.

The Contractor will provide Material Safety Data Sheets (MSDS) for all hazardous chemicals or materials that will be at the job site. The Material Safety Data Sheets will be submitted to the Project Owner, the Planning Division of Community Development, prior to the start of construction and supplemented as necessary throughout the project. This data is being provided for informational purposes only and does not relieve the contractor of any obligations for compliance with applicable OSHA and State laws regarding hazardous chemicals and right-to-know.

S-9 EMPLOYMENT PRACTICES.

Neither the Contractor nor his/her subcontractors shall employ any person whose physical or mental condition is such that his/her employment will endanger the health and safety of themselves or others employed on the project. Contractor shall not commit any of the following employment practices and agrees to include the following clauses in any subcontracts:

To discriminate against any individual in terms, conditions, or privileges of employment because of sex, race, color, religion, national origin, sexual orientation, gender identity, marital status, age or disability unless such disability is related to job performance of such person or employee.

To discharge from employment or refuse to hire any individual because of sex, race, color, religion, national origin, sexual orientation, gender identity, marital status, age, or disability unless such disability is related to job performance of such person or employee.

S-10 MEASUREMENT AND PAYMENT.

The detailed specifications of this document defines all pay items and methods of measurement and will supersede applicable sections in the SUDAS STANDARD SPECIFICATIONS.

S-11 TAXES.

Contractor shall pay all sales, consumer, use and other similar taxes required to be paid in accordance with local law as outlined in 1109.07 of the IDOT Standard Specifications. The City of Cedar Falls does issue tax exemption certificates to preclude the payment of sales tax. The Contractor shall submit the information necessary for the certificates to be issued. If tax exemption certificates are not issued, prior to project acceptance by the City, the Contractor shall submit to the OWNER a statement of taxes paid, including all information required by the State of Iowa for reimbursement of taxes. **The City will reimburse Contractor for taxes approved and reimbursed by the State of Iowa.** Reimbursement to the Contractor will occur within 30 days of the City receiving reimbursement from the State. Tax statements submitted after the project has been accepted will not be accepted or reimbursed.

S-12 CONSTRUCTION STAKES.

The Contractor shall be responsible for the preservation of stakes and marks. Any necessary re-staking will be at the Contractor's expense.

S-13 WORK DURING AN EMERGENCY.

The Contractor shall perform any work and shall furnish and install any materials and equipment necessary during an emergency endangering life or property. In all cases the Contractor shall notify the OWNER of the emergency as soon as practical, but shall not wait for instructions before proceeding to properly protect both life and property.

S-14 UTILITIES.

The Contractor is responsible for the field location of all utilities by qualified utility representatives prior to the start of construction and as required throughout the duration of the project. The City of Cedar Falls shall inspect the termination of the utility lines prior to demolition of any structures.

If a utility is encountered during construction, the utility shall be protected. If a utility is damaged by the Contractor during construction, the utility shall be repaired by the Contractor at no cost to the City. The Contractor shall expose all utilities at the request of the OWNER for purposes of investigation. This work shall be considered incidental to the project and no additional compensation will be allowed thereof.

S-15 WASTE SITES.

All debris shall be disposed of at the Black Hawk County Landfill. The Generator, Contractor, Transporter, and/or any other party associated with the demolition and contents of said properties shall be listed on the Waste Shipment Record and delivery of said property contents to the landfill for disposal shall comply with all applicable Local, State, Federal, Department of Transportation (State and Federal), and Black Hawk County Landfill rules, regulations, and laws. Questions regarding the Black Hawk County Landfill rules, regulations, and laws may be directed to the Landfill Administrator, John Foster, at phone number 319-234-8115.

S-16 TRAFFIC CONTROL.

24-hour maintenance of all traffic control devices is the responsibility of the Contractor.

S-17 MINOR WORK AND INCIDENTAL ITEMS OF CONSTRUCTION.

Any minor work not specifically mentioned in the specifications, but obviously necessary for the proper completion of the work shall be considered as being a part of and included in the contract and shall be executed in the proper manner and the Contractor shall not be entitled to extra or additional compensation for the same.

S-18 WORKING DAYS.

This project has a start date of September 16, 2022. All work on the following properties shall be completed by **December 1, 2022**: 627 Clair Street, 628 Longview Street, 824 Cottage Row Lane, and 1027 Clair Street.

S-19 CONTRACTOR PAYMENT.

Pay estimates will be submitted to the City Council for approval on the first (1st) and third (3rd) Mondays of each month.

Payment to the Contractor will be made by check from such funds of said City as may be legally used for said purposes. Any combination of funds may be used at the discretion of the City Council.

Before final payment is made, the Contractor shall furnish vouchers showing that all subcontractors and all persons furnishing labor and materials have been fully paid for such materials and labor and that the City may retain the final payment for a period of ninety (90) calendar days following such completion and approval, unless satisfied that all materials and costs have been paid for and all laborers have been paid in full.

It is understood and agreed that the City Council may at any time cancel or terminate this agreement for any good and reasonable cause. Such cause includes, but is not limited to, failure of the Contractor to fulfill or discharge any of the duties or obligations or to otherwise perform in accord with terms of this agreement. The City's Agent shall cancel the agreement by sending notice of cancellation to the Contractor by certified mail. In the event the agreement is canceled, the City's Agent shall determine the amount of payment due. Payment will be made on the basis of the schedule of fees for completed demolition and on the basis of pro-rated time for partially completed work. In no case shall payment exceed the greater of either the schedule of fees specified in Paragraph 4 or any revisions to such fee schedule made under the terms of this agreement.

S-20 GENERAL NOTES.

The work shall commence within ten (10) days after being notified of the contract approval. All work will be in accordance with 2022 Statewide Urban Design and Specifications (SUDAS) and 2022 City Supplemental Specifications. The City's contact person(s) for this project is Thomas Weintraut at 319-268-5184.

All properties will be tested for asbestos containing material and any properties that contain asbestos will have the asbestos abated prior to demolition.

No trees or bushes shall be removed other than those necessary for the removal of the structures. This cost is incidental to the demolition of the structures.

All of the backfill, grading and seeding are incidental to the demolition of the structures. These requirements will be in accordance with SUDAS Division 10. Public sidewalks will not be removed with this project.
Final grade of the site will match the surrounding undisturbed areas to allow for adequate drainage.

All work must be properly barricaded to eliminate hazards to pedestrians.

S-21 POLLUTION PREVENTION PLAN.

Site Description: The proposed demolition project involves the demolition of structures on four (4) separate properties.

Erosion and Sediment Controls: The items Silt Fence / Wattles; Temporary; for erosion control for this project shall be the responsibility of the Contractor. This cost is incidental to the demolition of the structures.

Pollution Prevention "Plan" Reporting and Updates: The Contractor or Contractor's representative to insure compliance with the Pollution Prevention "Plan" shall carry out regular documented inspections. The Contractor designated and qualified personnel shall inspect disturbed areas of the construction sites that have not reached "final stabilization" at least once every seven (7) calendar days and within twenty-four (24 hr.) hours of the end of a storm event that results in one-half (0.5") inch or greater of rainfall. The Contractor shall be responsible for executing the "Plan" towards the goal of stabilizing all of the sites. The Owner will make determination of Contractors' compliance with the "plan" and may direct additional measures to be taken by Contractor or any Subcontractor. When a "plan" deficiency or the occurrence of a pollutant entering the drainage system is observed, corrective action shall be taken. The Pollution Prevention "Plan" shall be revised and modifications made to the control facilities as needed and as recommended by the City.

The Contractor's weekly and rain event documented reports, based on site observations, shall be tabulated and become a part of the Pollution Prevention "Plan" project records.

EXHIBIT A - INSURANCE SCHEDULE

General Liability (Occurrence Form Only):

Commercial General Liability

General Aggregate	$2,000,000
Products-Completed Operations Aggregate Limit	$2,000,000
Personal and Advertising Injury Limit	$1,000,000
Each Occurrence Limit	$1,000,000
Fire Damage Limit (any one occurrence)	$ 50,000
Medical Payments	$ 5,000

Automobile: *(Combined Single Limit)* $1,000,000

If the Contractor does not own any vehicles, coverage is required on non-owned and hired vehicles.

Standard Workers Compensation

Statutory for Coverage A

Employers Liability:

Each Accident	$ 500,000
Each Employee – Disease	$ 500,000
Policy Limit – Disease	$ 500,000

Umbrella: $3,000,000

The Umbrella/Excess Insurance shall be written on a per occurrence basis and if the Umbrella/Excess is not written on a follow form basis it shall have the same endorsements as required of the primary policy(ies).

Errors & Omissions: $1,000,000

ACORD®

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 8/2/2022

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
PDCM Insurance
P.O. Box 2597
Waterloo IA 50704

CONTACT NAME: Paige Shanks
PHONE (A/C, No, Ext): 319-234-8888 FAX (A/C, No): 319-234-7702
E-MAIL ADDRESS: pshanks@pdcm.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : West Bend Mutual Insurance Co.	15350
INSURER B :	
INSURER C :	
INSURER D :	
INSURER E :	
INSURER F :	

INSURED LEHMTRU-01
Lehman Trucking & Excavating, Inc.
1422 Ashland Avenue
Waterloo IA 50703

COVERAGES **CERTIFICATE NUMBER:** 1497255415 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY	Y	Y	0988676	5/7/2022	5/7/2023	EACH OCCURRENCE	$ 1,000,000
	CLAIMS-MADE X OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 300,000
							MED EXP (Any one person)	$ 10,000
							PERSONAL & ADV INJURY	$ 1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$ 2,000,000
	POLICY X PRO-JECT LOC						PRODUCTS - COMP/OP AGG	$ 2,000,000
	OTHER:							$
A	AUTOMOBILE LIABILITY			0988676	5/7/2022	5/7/2023	COMBINED SINGLE LIMIT (Ea accident)	$ 1,000,000
	X ANY AUTO						BODILY INJURY (Per person)	$
	ALL OWNED AUTOS / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	X HIRED AUTOS / X NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
								$
A	X UMBRELLA LIAB X OCCUR			0988676	5/7/2022	5/7/2023	EACH OCCURRENCE	$ 4,000,000
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$ 4,000,000
	DED X RETENTION $ 0							$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY			0988677	5/7/2022	5/7/2023	X PER STATUTE / OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N: N	N / A					E.L. EACH ACCIDENT	$ 500,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$ 500,000
							E.L. DISEASE - POLICY LIMIT	$ 500,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
$25,000 Equipment Borrowed, Leased, or Rented from Others with West Bend Mutual Insurance, Policy # 0988676.
If required in a written contract, The City of Cedar Falls, including all its elected and appointed officials, all its employees and volunteers, all its boards, commissions and/or authorities and their board members, employees and volunteers are additional insureds on a primary & non-contributory basis for ongoing and completed operations under the General Liability policy. A waiver of subrogation applies in favor of City of Cedar Falls, Iowa, its elected and appointed officials, its directors, employees, agents and volunteers working on behalf of the City of Cedar Falls, Iowa under the General Liability policy if required in a written contract. Governmental immunities endorsement is included under the General Liability policy. The carrier will endeavor to provide 30 day notice of cancellation for The City of Cedar Falls.

CERTIFICATE HOLDER

City of Cedar Falls
220 Clay St.
Cedar Falls IA 50613

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

IOWA GOVERNMENTAL IMMUNITIES ENDORSEMENT

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name of Governmental Jurisdiction(s):

City of Cedar Falls

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

Nonwaiver of Governmental Immunity

We expressly agree and state that the purchase of this policy and including the governmental jurisdiction(s) shown in the schedule as an additional insured does not waive any of the defenses of governmental immunity available to the jurisdiction(s) under Code of Iowa Section 670.4 as it now exists and it may be amended from time to time.

Claims Coverage

We further agree that this policy shall cover only those claims not subject to the defense of governmental immunity under the Code of Iowa Section 670.4 as it now exists and as it may be amended from time to time.

Assertion of Government Immunity

The governmental jurisdiction(s) shown in the schedule shall be responsible for asserting any defense of governmental immunity, and may do so at any time and shall do so upon the timely written request of us. Nothing contained in this endorsement shall prevent us from asserting the defense of governmental immunity on behalf of the governmental jurisdiction(s) shown in the schedule.

Non-Denial of Coverage

We shall not deny coverage under this policy and we shall not deny any of the rights and benefits accruing to the governmental jurisdiction(s) shown in the schedule under this policy for reasons of governmental immunity unless and until a court competent jurisdiction has ruled in favor of the defense(s) of governmental immunity asserted by the governmental jurisdiction(s) shown in the schedule.

No Other Change in Policy

We and the governmental jurisdiction(s) shown in the schedule agree that the above preservation of governmental immunities shall not otherwise change or alter the coverage available under the policy.

DEPARTMENT OF PUBLIC WORKS

City of Cedar Falls
220 Clay Street
Cedar Falls, Iowa 50613
Phone: 319-268-5161
Fax: 319-268-5197
www.cedarfalls.com

MEMORANDUM
Engineering Division

TO: Honorable Mayor Robert M. Green and City Council

FROM: Luke Andreasen, PE

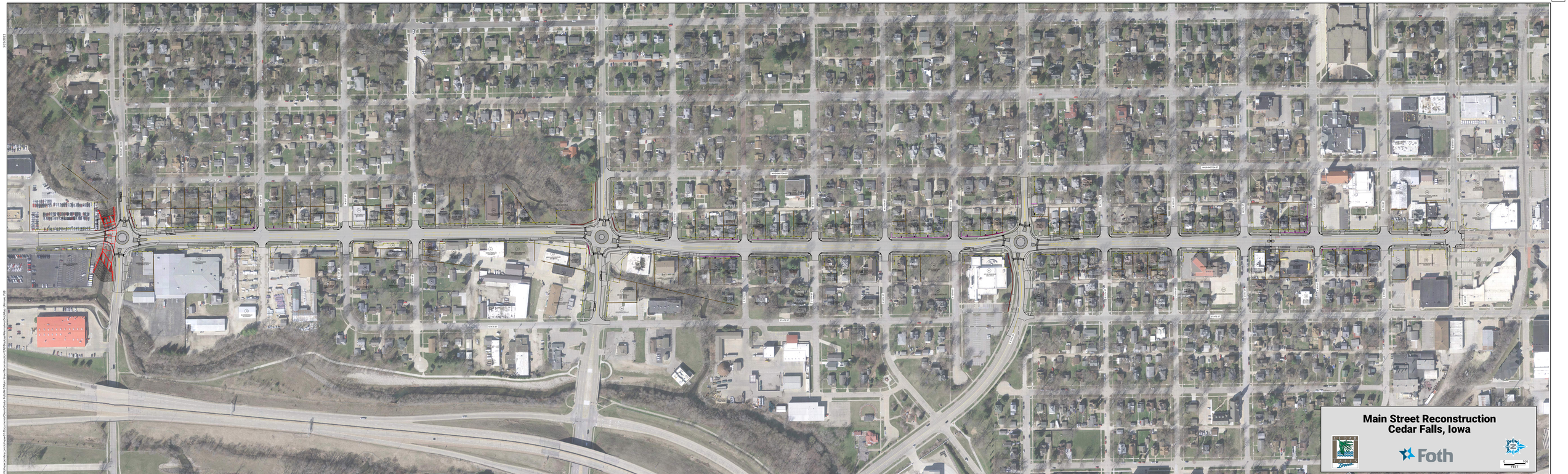
DATE: October 10, 2022

SUBJECT: Main Street Reconstruction (6th St. to University)
City Project Number: RC-000-3283
Property Acquisitions & Temporary Easements

The City of Cedar Falls is planning to reconstruct Main Street from 6th Street to University Avenue from a 4-lane roadway to a 3-lane roadway. There have been four properties that have opposed the project for various reasons and have not signed the temporary easement paperwork that is required for the project. Condemnation hearings at the Black Hawk County Courthouse were scheduled for each of the properties and will take place later this month. The owners of one of the four properties, 921 Main Street (Parcel 179), have decided they would rather settle with the City than proceed with condemnation. The original offer was $1,405 for the temporary easement needed on their property. The proposed settlement is $1,760. This settlement would save the City thousands of dollars that would otherwise be spent for the condemnation process. Therefore, the Engineering Division of the Public Works Department recommends that the City Council approve this settlement and authorize the Mayor to execute the purchase agreement for this temporary easement

If you have any questions or need additional information, please feel free to contact me.

xc: Chase Schrage, Director of Public Works
David Wicke, City Engineer


Main Street Reconstruction
Cedar Falls, Iowa
Foth
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FEET

ADMINSTRATIVE SETTLEMENT DETERMINATION

Parcel Number: 179 **County:** Black Hawk

Project Number: RC-000-3283 **Negotiator:** Justin Walton

Name: Charles A. and Amanda L. Shumaker

Offer to Purchase	$1,405.00	Proposed Settlement	$1,760.00	Variance	$355.00
				%	25.27

APPRAISALS:

Appraiser	Date	Before	After	Acquisition	Add'l by Negotiator (Fence, etc)	Offer to Purchase
1.						
2.						

REASONS FOR SETTLEMENT: (check those applicable)

☐ The variance is based upon detailed estimates from outside sources **(cc's attached)**.

☑ The variance is substantial. Settlement is justified as follows:

- ☐ 1. The settlement is within the approved range as shown in the Acquisition Manual.
- ☐ 2. Items of damage not considered in approved appraisal.
- ☐ 3. Appraisal adjusted for time in accord with instruction from reviewer.
- ☐ 4. Recent experience in eminent domain actions.
- ☐ 5. All available appraisals (including landowner's.)
- ☐ 6. Difference of opinion as to highest and best use.
- ☐ 7. Extremely complex valuation problem.
- ☑ 8. Estimate of condemnation cost considered in conjunction with above items.
- ☑ 9. Other

DETAILED EXPLANATION OF ALL ITEMS CHECKED:

The subject property is located in Lot No. Four (4) in Block No. Two (2) in R.P. Speer's Addition to the Village, (now City), of Cedar Falls, Black Hawk County, Iowa.

The city of Cedar Falls needs to acquire 1,062 square feet of Temporary Construction Easement for the reconstruction of Main Street.

During negotiations, the landowner was offered $1,405 in compensation for the temporary easement area, based on an 8% land rental value. The landowner did not believe the compensation was enough based on increased land value and expected burden to the property. Landowner agreed to sign for total compensation equal to a 10% land rental value. In order to avoid any litigation, the landowner and the City agreed to increase compensation to $1,760 to avoid further delays and keep the project on schedule.

The settlement is being made in the best public interest.

Submitted By:

Project Manager 9/27/2022
Justin Walton Date

Approved By:

Title: Date
Name:

Prepared by: City of Cedar Falls, 220 Clay Street, Cedar Falls, IA 50613 (319)273-8600

TEMPORARY CONSTRUCTION EASEMENT AGREEMENT

This Temporary Construction Easement Agreement ("Agreement") is made this _____ day of _____, 20__, by Charles A. Shumaker and Amanda L. Shumaker, husband and wife ("Grantor"), and City of Cedar Falls, a municipality organized under the laws of the State of Iowa ("Grantee"). In consideration of the sum of one dollar ($1.00), and other valuable consideration, the receipt of which is hereby acknowledged, Grantor hereby sells, grants and conveys unto Grantee a temporary easement under, through, and across the following described real estate which is owned by Grantor:

See Exhibit A attached (the "Easement Area").

1. Purpose. This temporary construction easement is granted for the purpose of entering, using, occupying, sloping, grading, clearing, grubbing, excavating and storing of materials and equipment during the construction of a public improvement project near the Easement Area, as well as the right of ingress and egress along and over the Easement Area and for any reasonable purpose deemed by the Grantee to be necessary for said public improvement project.

2. Restoration of Easement Area. Grantee agrees to restore at Grantee's cost the Easement Area in a timely manner after completion of the public improvement project, including any construction, reconstruction, maintenance, repair or replacement work. Such restoration shall include, but not be limited to, the restoration of lawns by seeding, complete restoration of any driveways, fences or other structures modified as a requirement of the construction, as well as the repair of any of Grantor's property damaged as set forth in Paragraph 6 below.

3. No Obstructions. Grantor does hereby agree not to create or permit any building to be constructed within the Easement Area, or to cause or permit any other obstruction or condition of any kind or character within the Easement Area upon Grantor's premises that will interfere with the Grantee's exercise and enjoyment of the easement rights hereinabove conveyed.

4. Grantee's Use. The Grantee, its successors and assigns, shall have the right to use and enjoy the Easement Area for the purposes identified hereinabove, it being specifically understood and agreed, however, that in no event shall the Grantee have any right to erect buildings or similar structures on or over any portion of the Easement

Area. If the Grantee should abandon said easement or fail to use the same for a continuous period of two (2) years after removal of its facilities, then said easement, along with any and all rights and interests granted to the Grantee under this Agreement, shall cease and terminate, and all the rights and interests hereby granted shall be vested in the then owner of the fee simple title in and to the land over which said easement is located. Furthermore, unless resulting from the exercise of the rights granted herein, the Grantee shall not, without Grantor's prior written approval, diminish access, ingress or egress to any portion of the Grantor's Property.

5. Grantor's Use. The Grantee shall exercise reasonable diligence in performing any of its rights within the Easement Area so as (i) to avoid damaging the Easement Area (or any other portion of the Grantor's Property), and (ii) not to unreasonably interfere with the use of the Easement Area (or any other portion of the Grantor's Property) (including, but not limited to, ingress/egress/access), by Grantor, its employees, agents, representatives, customers, or invitees. Grantee shall use reasonable efforts to coordinate with Grantor prior to any construction and/or maintenance and/or any other work within the Easement Area and shall furthermore provide Grantor reasonable prior notice with regard to any such construction and/or maintenance. No excavated dirt or debris may be left within the Easement Area following completion of construction, reconstruction, maintenance, repair or replacement work. All excavated materials shall be properly disposed of by the Grantee following completion of the public improvement project.

6. Liability for Damage. Grantee shall be liable to Grantor for any damage to real or personal property, and for injury to or death of any persons, proximately caused by the acts or omissions of Grantee, or its employees, agents, contractors or subcontractors, which arise out of any work done on or to the Easement Area while Grantee, or its employees, agents, contractors or subcontractors, are exercising any rights with respect to the Easement Area which are granted to Grantee under this Agreement. The provisions of this paragraph shall terminate upon completion of the public improvement project and final acceptance of public improvements by the City Council of Grantee.

7. Expiration of Temporary Easement. This Agreement and the easements in favor of Grantee shall terminate upon completion of the Project and final acceptance of public improvements by the City Council, or by 12/31/2025, whichever comes first.

8. Successors and Assigns. This Agreement shall inure to the benefit of and be binding upon the parties' respective successors and assigns.

GRANTORS:

X _____
Charles A. Shumaker

X _____
Amanda L. Shumaker

State of Iowa)

County of Black Hawk)

This record was acknowledged before me on the 21st day of September, 2022, by Charles A. + Amanda L. Shumaker, a married couple Grantors.

_____
Signature of notarial officer

Stamp

JUSTIN J WALTON
Commission Number 778680
MY COMMISSION EXPIRES
MAY 30, 2025

[Iowa Notary]
Title of Office

[My commission expires: 5/30/2025]

ACCEPTANCE OF TEMPORARY CONSTRUCTION EASEMENT AGREEMENT

The City of Cedar Falls, Iowa ("Grantee"), does hereby accept and approve the foregoing Temporary Construction Easement Agreement.

Dated this _____ day of _____, 20__.

GRANTEE:

CITY OF CEDAR FALLS, IOWA

_____
Robert M. Green, Mayor

ATTEST

_____
Jacqueline Danielsen, MMC
City Clerk

State of _____)

County of _____)

This instrument was acknowledged before me on _____, 20__, by Robert M. Green, Mayor, and Jacqueline Danielsen, MMC, City Clerk, of the City of Cedar Falls, Iowa.

_____
Notary Public in and for the State of Iowa

My Commission Expires:

_____

Prepared by Wes Shimp, 411 6th Avenue SE, Suite 400, Cedar Rapids, IA 52401 • Phone: 319-365-9565

TEMPORARY EASEMENT

EXHIBIT 179-T

TEMPORARY CONSTRUCTION EASEMENT BEING CONVEYED TO THE CITY OF CEDAR FALLS
MAIN STREET RECONSTRUCTION
PARCEL 179

PROPERTY OWNER:

SHUMAKER, CHARLES A.
SHUMAKER, AMANDA L.
921 MAIN STREET
CEDAR FALLS, IA 50613
FILE NO. 2019-00007782

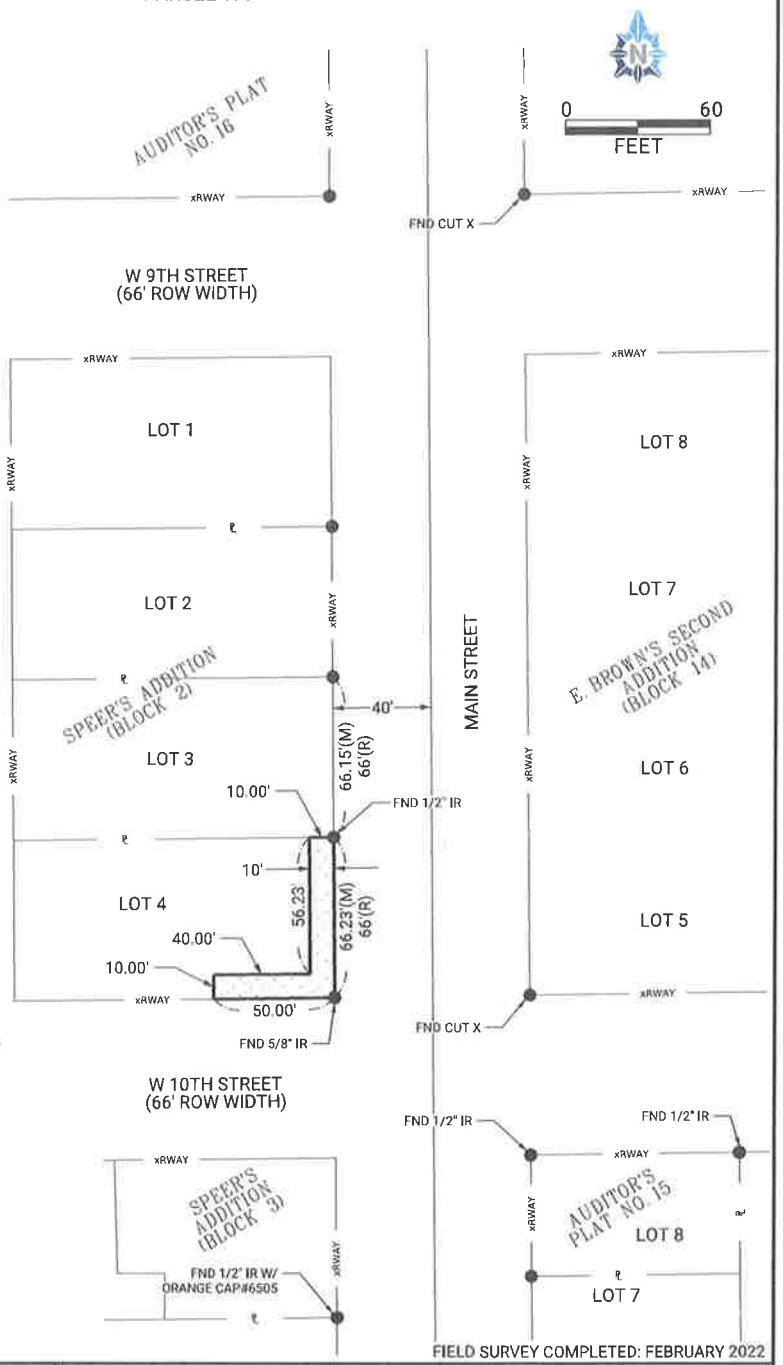
LEGAL DESCRIPTION:

A PARCEL OF LAND LOCATED IN LOT 4, BLOCK 2 OF SPEER'S ADDITION, AN OFFICIAL PLAT, CITY OF CEDAR FALLS, BLACK HAWK COUNTY, IOWA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

THE EAST 10.00 FEET AND THE EAST 50.00 FEET OF THE SOUTH 10.00 FEET OF LOT 4, BLOCK 2 OF SAID SPEER'S ADDITION, CITY OF CEDAR FALLS, BLACK HAWK COUNTY, IOWA.

SAID TRACT CONTAINS 1,062 SQUARE FEET OR 0.02 ACRES MORE OR LESS, SUBJECT TO EASEMENTS AND RESTRICTIONS OF RECORD.

FOR THE PURPOSE OF THIS DESCRIPTION, ALL BEARING AND DISTANCES ARE REFERENCED TO NAD83(2011) IA SPCS NORTH ZONE, US SURVEY FOOT.



FIELD SURVEY COMPLETED: FEBRUARY 2022

LEGEND

- ▲ FOUND SECTION CORNER MONUMENT
- △ SET SECTION CORNER MONUMENT
- ● FOUND 1" PIPE (UNLESS NOTED)
- ○ SET 1/2" REROD W/ORANGE CAP#24243 (UNLESS NOTED)
- (M) MEASURED DIMENSION
- (R) RECORDED DIMENSION
- I.R. IRON ROD
- I.P. IRON PIPE
- — — — SECTION LINE
- – xRWAY – RIGHT-OF-WAY LINE
- EXISTING LOT LINE
- – ℄ – PROPERTY LINE
- TEMPORARY CONSTRUCTION EASEMENT

SURVEY FOR:
CITY OF CEDAR FALLS
220 CLAY STREET
CEDAR FALLS, IA 50613
PHONE: (319) 273-8600

FOTH PROJECT NO. 21C017-02 DATE: 6/16/2022

Foth
Foth Infrastructure & Environment, LLC
411 6th Avenue SE, Suite 400 ✧ Cedar Rapids, IA 52401-1931
✧ Phone: 319-365-9565 ✧

SHEET
1 OF 1

CITY OF CEDAR FALLS
OWNER PURCHASE AGREEMENT

Property Address: 921 Main St.
Parcel Number: 179
Project Number: RC-000-3283

County Tax Parcel No: 891412383006
Project Name: Main Street Reconstruction

THIS OWNER PURCHASE AGREEMENT is entered into on this ____ day of _____, 202_, by and between Charles A. Shumaker and Amanda L. Shumaker, husband and wife, Seller, and the City of Cedar Falls, Iowa, Buyer.

1. Buyer hereby agrees to buy and Seller hereby agrees to convey Seller's interests in the following real estate, hereinafter referred to as the "Premises":

   See Attached Temporary Easement Plat

   together with all improvements of whatever type situated on the Premises. This acquisition is for public purposes through an exercise of the power of eminent domain.

2. The Premises conveyed includes all of the Seller's estates, rights, title and interests in the Premises, including any easements as are described herein. Seller consents to any change of grade of the adjacent roadway and accepts payment under this Agreement for any and all damages arising therefrom. Seller acknowledges full settlement and payment from Buyer for all claims according to the terms of this Agreement and discharges Buyer from any and all liability arising out of this Agreement and the construction of the public improvement project identified above ("Project").

3. In consideration of Seller's conveyance of Seller's interest in the Premises to Buyer, Buyer agrees to pay to Seller the following:

Payment Amount	Agreed Performance	Date
$ _____	on right of possession	_____
$ _____	on conveyance of title	_____
$ _____	on surrender of possession	_____
$ 1,765.00	on possession and conveyance	60 days after Buyer approval
$ 1,765.00	TOTAL LUMP SUM	

BREAKDOWN: ac. = acres sq. ft. = square feet

Land by Fee Title	_____	sq. ft.	$_____
Underlying Fee Title	_____	sq. ft.	$_____
Temporary Easement	1,062	sq. ft.	$ 1,765.00
Permanent Easement	_____	sq. ft.	$_____
Buildings			$_____
Other			$_____

4. Seller grants to the City a Temporary Easement as shown on the attached Temporary Easement Plat. Seller also agrees to execute a Temporary Easement Agreement, in the forms attached hereto. Any Temporary Construction Easement shall terminate upon completion of the Project unless otherwise specified in the Temporary Easement Agreement.

5. Possession of the Premises is the essence of this Agreement and Buyer may enter and assume full use and enjoyment of the Seller's interest in the Premises according to the terms of this Agreement, immediately upon approval of this Agreement by the City Council of the City of Cedar Falls, Iowa, unless a different date is specified in Paragraph 3 above. Notwithstanding the above, Seller grants to Buyer the immediate right to enter the Premises for the purpose of gathering survey and soil data.

6. This Agreement shall apply to and bind the assigns, representatives and successors of the Seller.

7. This Agreement and all attachments hereto constitute the entire agreement between the Buyer and the Seller related to the subject matter and there is no agreement to do or not to do any act or deed except as specifically provided for herein.

8. The Seller states and warrants that, to the best of the Seller's knowledge, there is no known burial site, well, solid waste disposal site, private sewage disposal systems, hazardous substance or underground storage tank on the premises, except:

_____.

9. Seller warrants good and sufficient title in the Premises. Seller shall pay all liens and assessments against the Premises, including all taxes payable until surrender of possession, and agrees that the same may be withheld from the purchase price if not paid by the closing date.

10. The Buyer hereby gives notice of Seller's five-year right to renegotiate construction or maintenance damages not apparent at the time of the signing of this Agreement as required by Section 6B.52 of the Code of Iowa.

SELLER'S SIGNATURE AND CLAIMANT'S CERTIFICATION: Upon due approval and execution by the Buyer, we the undersigned claimants certify the total lump sum payment shown herein is just and unpaid.

SELLER:

x 9/21/22 — Charles A. Shumaker — Date

x 9-21-22 — Amanda L. Shumaker — Date

State of Iowa

County of Black Hawk

JUSTIN J WALTON
Commission Number 778680
MY COMMISSION EXPIRES
MAY 30, 2025

This record was acknowledged before me on the 21st day of September, 2022, by Charles A. + Amanda L. Shumaker, a married couple.

Signature of notarial officer

5/30/2025
Commission Expires

CITY OF CEDAR FALLS, IOWA (BUYER)

By: _____
Robert M. Green, Mayor

ATTEST:

By: _____
Jacqueline Danielsen, MMC
City Clerk

STATE OF IOWA, COUNTY OF BLACK HAWK, ss:

This instrument was acknowledged before me on the _____ day of _____, 20__, by Robert M. Green, Mayor, and Jacqueline Danielsen, MMC, City Clerk, of the City of Cedar Falls, Iowa.

_____
Notary Public in and for the State of Iowa

My Commission Expires:

_____

Prepared by Wes Shimp, 411 6th Avenue SE, Suite 400, Cedar Rapids, IA 52401 • Phone: 319-365-9565

TEMPORARY EASEMENT

EXHIBIT 179-T

TEMPORARY CONSTRUCTION EASEMENT BEING CONVEYED TO THE CITY OF CEDAR FALLS
MAIN STREET RECONSTRUCTION
PARCEL 179

PROPERTY OWNER:

SHUMAKER, CHARLES A.
SHUMAKER, AMANDA L.
921 MAIN STREET
CEDAR FALLS, IA 50613
FILE NO. 2019-00007782

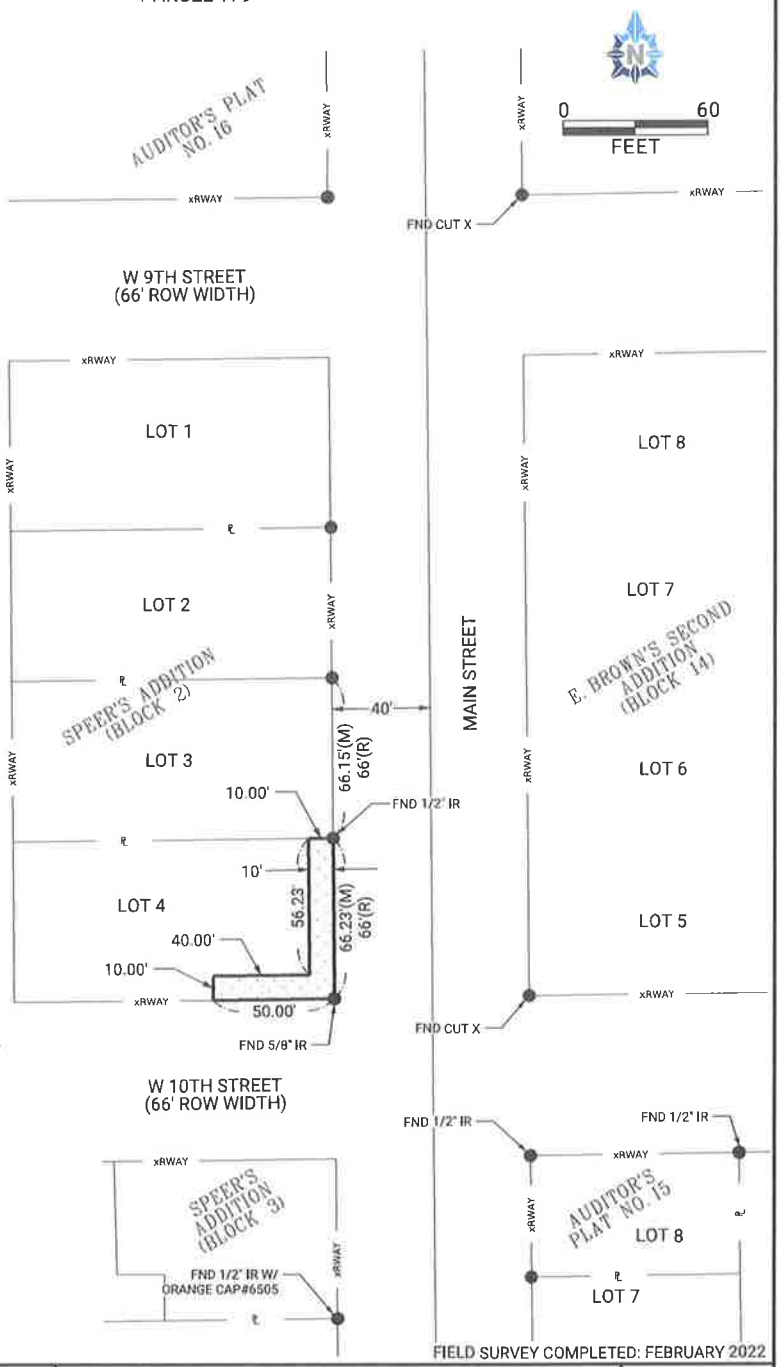
LEGAL DESCRIPTION:

A PARCEL OF LAND LOCATED IN LOT 4, BLOCK 2 OF SPEER'S ADDITION, AN OFFICIAL PLAT, CITY OF CEDAR FALLS, BLACK HAWK COUNTY, IOWA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

THE EAST 10.00 FEET AND THE EAST 50.00 FEET OF THE SOUTH 10.00 FEET OF LOT 4, BLOCK 2 OF SAID SPEER'S ADDITION, CITY OF CEDAR FALLS, BLACK HAWK COUNTY, IOWA.

SAID TRACT CONTAINS 1,062 SQUARE FEET OR 0.02 ACRES MORE OR LESS, SUBJECT TO EASEMENTS AND RESTRICTIONS OF RECORD.

FOR THE PURPOSE OF THIS DESCRIPTION, ALL BEARING AND DISTANCES ARE REFERENCED TO NAD83(2011) IA SPCS NORTH ZONE, US SURVEY FOOT.



LEGEND

▲	FOUND SECTION CORNER MONUMENT
△	SET SECTION CORNER MONUMENT
●	FOUND 1" PIPE (UNLESS NOTED)
O	SET 1/2" REROD W/ORANGE CAP#24243 (UNLESS NOTED)
(M)	MEASURED DIMENSION
(R)	RECORDED DIMENSION
I.R.	IRON ROD
I.P.	IRON PIPE
— — —	SECTION LINE
— xRWAY —	RIGHT-OF-WAY LINE
	EXISTING LOT LINE
— ℄ —	PROPERTY LINE
	TEMPORARY CONSTRUCTION EASEMENT

FIELD SURVEY COMPLETED: FEBRUARY 2022

SURVEY FOR:
CITY OF CEDAR FALLS
220 CLAY STREET
CEDAR FALLS, IA 50613
PHONE: (319) 273-8600

FOTH PROJECT NO. 21C017-02 DATE: 6/16/2022

Foth
Foth Infrastructure & Environment, LLC
411 6th Avenue SE, Suite 400 ✧ Cedar Rapids, IA 52401-1931
✧ Phone: 319-365-9565 ✧

SHEET
1 OF 1

DEPARTMENT OF PUBLIC WORKS

City of Cedar Falls
220 Clay Street
Cedar Falls, Iowa 50613
Phone: 319-268-5161
Fax: 319-268-5197
www.cedarfalls.com

MEMORANDUM
Engineering Division

TO: Honorable Mayor Robert M. Green and City Council

FROM: Luke Andreasen, PE

DATE: October 7, 2022

SUBJECT: Main Street Reconstruction
City Project Number: RC-000-3283
Request for PS&E Approval

Submitted within for City Council approval are the Plans, Specifications, and Estimate of Costs and Quantities for the Main Street Reconstruction.

We recommend setting Monday, November 7, 2022 at 7:00 p.m. as the date and time for the public hearing on this project. This project is under the direction of the City of Cedar Falls. However, Iowa DOT is the contracting authority and will conduct the letting for this project.

This project consists of full street reconstruction along Main Street from 6th Street to almost University Avenue. The reconstruction will include changing from 4 to 3 lanes and adding bicycle lanes in both directions. It will include three new roundabout intersections, replacing the traffic signal at 6th Street, a decorative gateway feature near 7th Street, and landscaping throughout the corridor. Sidewalk, sanitary sewer, water main, and storm sewer will be replaced throughout the corridor.

The total estimated cost for the construction of this project is $21,813,291.00. The City received a $2,900,000.00 Surface Transportation Block Grant (STBG) and $500,000.00 through the Traffic Safety Improvement Program (TSIP). The remaining funds will be provided by General Obligation Bonds, Local Sales Tax, Street Construction Fund, American Rescue Plan, Stormwater Fund, Tax increment Financing, and Cedar Falls Utilities.

The electronic plans, specifications, and estimate are available upon request for your review at the City Clerk's Office. The Engineering Division of the Public Works Department recommends approving the plans, specifications, and estimate.

xc: David Wicke, P.E., City Engineer
Chase Schrage, Director of Public Works

LETTING DATE: NOVEMBER 15, 2022

IOWA DOT PROJECT NO.: STBG-SWAP-1185(657)–SG-07

PCC PAVEMENT - GRADE AND REPLACE
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET

This project is covered by the Iowa Department of Natural Resources NPDES General Permit No. 2. The Contractor shall carry out the terms and conditions of General Permit No. 2 and the storm water pollution prevention plan which is part of these contract documents. Refer to Section 2602 of the Standard Specifications for additional information.

This project is covered by the Iowa Department of Natural Resources Floodplain Construction Permit No. 2022-0018FP-01

SECTION 404 PERMIT AND CONDITIONS
This Data Entry Sheet fills Tab 281-1 effective 10-18-16

Construct this project according to the requirements of U.S. Army Corps of Engineers Nationwide Permit No. 14, Permit No. CEMVR-RD-2022-0058. A copy of this permit is available from the Iowa DOT website (http://www.envpermits.iowadot.gov/). The U.S. Army Corps of Engineers reserves the right to visit the site without prior notice.

IOWA DOT

Highway Division

PLANS OF PROPOSED IMPROVEMENTS FOR
URBAN ROAD SYSTEM

ON MAIN ST, FROM 6TH ST SOUTH 1.35 MILES TO NORTH OF UNIVERSITY AVE CITY OF CEDAR FALLS PCC PAVEMENT - GRADE AND REPLACE

IOWA DOT PROJECT NO.: STBG-SWAP-1185(657)–SG-07

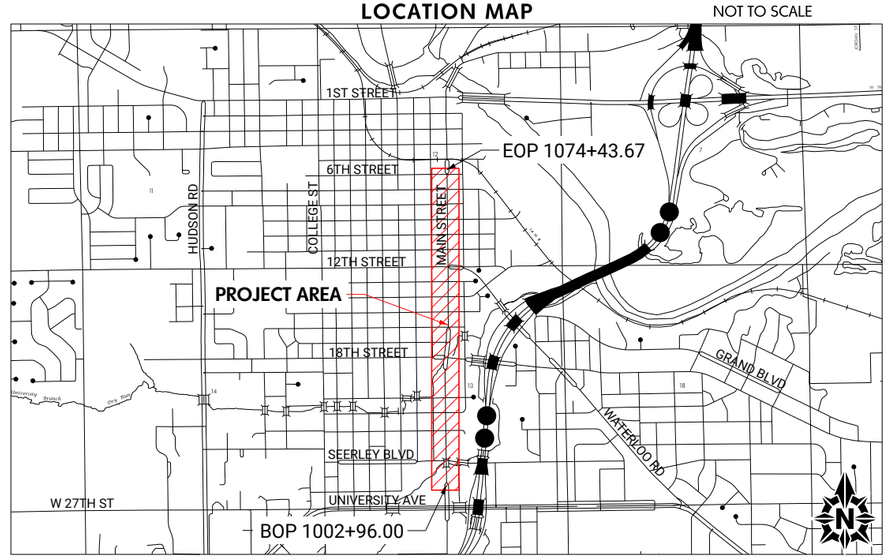
PROJECT IDENTIFICATION NUMBER
TBD
PROJECT NUMBER
STBG-SWAP-1185(657)–SG-07
R.O.W PROJECT NUMBER
-

MILEAGE SUMMARY

DIV.	LOCATION	LIN. FT.	MILES
1	MAIN STREET STA. 1002+96.00 TO 1074+43.67	7147.67	1.354
	TOTAL NET LENGTH	7147.67	1.354

LOCATION MAP

NOT TO SCALE



INDEX OF SHEETS

NO.	DESCRIPTION
A.1	TITLE SHEET
A.2	LEGEND & SYMBOL INFORMATION SHEET
B.1-B.16	TYPICAL CROSS-SECTIONS AND DETAILS
C.1-C.52	PLAN AND PROFILE SHEETS - MAINLINE
D.1-D.14	PLAN AND PROFILE SHEETS - MAINLINE
E.1-E.19	PLAN AND PROFILE SHEETS - SIDE ROADS
G.1-G.18	REFERENCE TIES AND BENCHMARKS
H.1-H.13	RIGHT-OF-WAY SHEETS
HE.1-HE.5	RIGHT-OF-WAY SHEETS - SIDE ROADS
I.1-I.18	REMOVALS
J.1-J.98	TRAFFIC CONTROL AND STAGING
K.1-K.35	PLAN AND PROFILE - ROUNDABOUTS
L.1-L.71	GEOMETRICS, STAKING, AND JOINTING SHEETS
LS.01-LS.30	LANDSCAPING
M.1-M.45	STORM SEWER PLAN AND PROFILES
MSA.1-MSA.19	SANITARY SEWER PLAN AND PROFILES
MWM.1-MWM.23	WATER MAIN PLAN AND PROFILES
N.1-N.14	TRAFFIC SIGNALS
P.1-P.14	LIGHTING LAYOUT
PM.1-PM.10	PAVEMENT MARKINGS
Q.1-Q.9	SOIL BORING LOGS
RR.1-RR.20	EROSION CONTROL
S.1-S.58	CURB RAMPS
T.1-T.11	EARTHWORK
U.1	RETAINING WALL PLAN AND PROFILES
V.1-V.44	STRUCTURE SHEETS
W.1-W.100	CROSS SECTIONS - MAINLINE
X.1-X.33	CROSS SECTIONS - SIDE ROADS

INDEX OF SEALS

SHEET NO.	NAME	TYPE
A.1	CLAYTON J. CARPER	PRIMARY SIGNATURE BLOCK
A.1	MICHAEL J. FAHRER	UNDERGROUND UTILITIES
LS.01	PATRICK R. ALVORD	LANDSCAPING
N.1	JACOB S. WILLIAMS	TRAFFIC SIGNAL
V.1	THOMAS J. CIHA	STRUCTURES

CITY OF CEDAR FALLS
THIS ENGINEERING DOCUMENT HAS BEEN APPROVED FOR CONSTRUCTION.

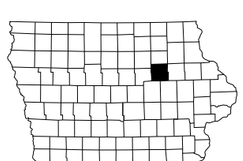
Luke Andressen — 9/6/2022
APPROVED BY — DATE

Refer to the Proposal Form for list of applicable specifications

Refer to Tabulation 105-4 on Sheet C.7 for Standard Road Plans

Refer to Sheet A.2 for Utility Contact Information

REDUCED 50% ± — DO NOT SCALE



IOWA 811 ONE CALL℠

OWNER:
CITY OF CEDAR FALLS, IA
C/O DAVID WICKE, P.E. CITY ENGINEER
220 CLAY STREET
CEDAR FALLS, IA 50613
PHONE: (319) 268-5161
FAX: (319) 268-5197

ENGINEER:
FOTH
C/O CLAYTON J. CARPER, P.E.
411 6TH AVENUE SE, SUITE 400
CEDAR RAPIDS, IA 52401
PHONE: (319) 365-9565

Foth Infrastructure & Environment, LLC
411 6th Avenue SE, Suite 400 ❖ Cedar Rapids, IA 52401-1931
❖ Phone: 319-365-9565 ❖

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

LICENSED PROFESSIONAL ENGINEER — MICHAEL J. FAHRER 25326 — IOWA

Michael Fahrer — 9/1/2022
MICHAEL J. FAHRER, P.E. — DATE
License Number: 25326
My license renewal date is DECEMBER 31, 2022
Pages or sheets covered by this seal:
M-SHEETS, MSA-SHEETS AND MWM-SHEETS

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

LICENSED PROFESSIONAL ENGINEER — CLAYTON J. CARPER 23239 — IOWA

Clayton Carper — 9/1/2022
CLAYTON J. CARPER, P.E. — DATE
License Number: 23239
My license renewal date is DECEMBER 31, 2023
Pages or sheets covered by this seal:
ALL SHEETS EXCEPT LS-SHEETS, M-SHEETS, MSA-SHEETS, MWM-SHEETS, N-SHEETS, P-SHEETS, AND V-SHEETS

STANDARD SYMBOLS

- Interstate Highway Symbol
- U.S. Highway Symbol
- Iowa Highway Symbol
- County Road Highway Symbol
- Evergreen Tree
- Deciduous Tree
- Fruit Tree
- Shrub (Bushes)
- Timber
- Hedge
- Stump
- Swamp
- Rock Outcrop
- Broken Concrete
- Revetment (Rip Rap)
- Cemetery
- Grave
- Cave
- Sink Hole
- Terrace
- Earth Dam or Dike (Existing)
- Earth Dam or Dike (Proposed)
- Tile Outlet
- Edge of Water
- Existing Drainage
- Proposed Drainage
- Right of Way Rail or Lot Corner
- Concrete Monument
- Well
- Windmill
- Beehive Intake
- Existing Intake
- Proposed Intake
- Existing Utility Access (Manhole)
- Proposed Utility Access (Manhole)
- Fire Hydrant
- *WH* Water Hydrant (Rural)
- *ST* Septic Tank
- *C* Cistern
- *LP* L.P. Gas Tank (No Footing)
- *UST* Underground Storage Tank
- Latrine
- Luminaire
- Traffic Signal
- Traffic Signal with Luminaire
- *TP* Telephone Pedestal
- *TVP* Television Pedestal
- Telephone Pole
- Telephone Pole (Second Company)
- Telephone Pole (Third Company)
- Telephone Pole (Fourth Company)
- Telephone Pole (Fifth Company)
- Power Pole
- Power Pole (Second Company)
- Power Pole (Third Company)
- Power Pole (Fourth Company)
- Power Pole (Fifth Company)
- Electrical Highline Tower (Metal or Concrete)
- Telephone Riser Pole
- Power Riser Pole
- Telegraph Pole
- Satellite TV Dish
- *W* Existing Water Line
- *W2* Existing Water Line (Second Company)
- *San.* Existing Sanitary Sewer Line
- *T* Existing Telephone Line
- *T2* Existing Telephone Line (Second Company)
- *FO-1* Existing Fiber Optics Telephone Line
- *St. S.* Existing Storm Sewer Line
- *G* Existing Gas Line
- *G-HP* Existing High Pressure Gas Line
- *G2* Existing Gas Line (Second Company)
- *G2-HP* Existing High Pressure Gas Line (Second Company)
- *E* Existing Power Line
- *E2* Existing Power Line (Second Company)
- *TV* Cable Television Line
- Board Fence
- Chain Link or Security Fence
- Wire Fence
- Guardrail (Beam or Cable)
- *GP* Guard Post (one or two)
- Guard Post (over two)
- *FP* Filler Pipe
- *GV* Gas Valve
- *WV* Water Valve
- *SL* Speed Limit Sign
- *MM* Mile Marker Post
- *SIGN* Sign
- *WHU* Water Hook Up
- *RT* Radio Tower
- *TA* Tower Anchor
- *EB* Electric Box
- *TCB* Traffic Signal Control Box
- *RRB* Rail Road Signal Control Box
- *TSB* Telephone Switch Box

(Symbols are Typical Only)

TABULATION OF UTILITIES

UTILITY LEGEND

Where public utility fixtures are shown as existing on the plans or encountered within the construction area, it shall be the responsibility of the contractor to notify the owners of those utilities prior to the beginning of any construction. The Contractor shall afford access to these facilities for necessary modification of services. Underground facilities, structures and utilities have been plotted from available surveys and records, and therefore their locations must be considered approximate only. It is possible there may be others, the existence of which presently not known or shown. It is the Contractor's responsibility to determine their existence and exact location and to avoid damage thereto.

The Contractor is required to utilize the utility One-Call service at (800) 292-8989 at least 48 hours prior to excavating anywhere on the project.

The following utility companies are known to have facilities on the project:

City of Cedar Falls
Luke Andreasen
220 Clay Street
Cedar Falls, IA 50613
(319) 268-5165 (office)
luke.andreasen@cedarfalls.com
— SAN(C) —
— SAN(D) —
— ST.S(C) —
— ST.S(D) —

Cedar Falls Utilities (CFU) - Gas & Water
Travis Schrage
1 Utility Parkway
Cedar Falls, IA 50613
(319) 268-5336 (office)
travis.schrage@cfunet.net
— G(B) —
— G(D) —
— G2HP(D) —
— W(D) —

Cedar Falls Utilities (CFU) - Electric
John Osterhaus
1 Utility Parkway
Cedar Falls, IA 50613
(319) 268-5298 (office)
john.osterhaus@cfunet.net
— E(D) —
— OHE —

Cedar Falls Utilities (CFU) - Communication
Quincy McGrane
1 Utility Parkway
Cedar Falls, IA 50613
quincy.mcgrane@cfunet.net
— FO(D) —

Mediacom
Kevin Parker
4010 Alexandra Drive
Waterloo, IA 50702
(319) 240-4987 (cell)
kparker@mediacomcc.com

CenturyLink/Lumen
Dave Graham
Address Line
City Line
(303) 453-9927 (office)
dave.graham@lumen.com
— T(D) —
— FO2(D) —

Aureon
Jeff Klocko
7760 Office Plaza Drive South
West Des Moines, IA 50266
(515) 830-0445 (cell)
jeff.klocko@aureon.com
— FO3(D) —

Windstream
Stephen Kness
1450 N. Center Point Rd.
Hiawatha, IA 52233
(319) 538-1985 (cell)
stephen.kness@windstream.com
— FO4(D) —

IOWA 1-CALL# 1-800-292-8989

RIGHT OF WAY LEGEND

- Proposed Right of Way
- Existing Right of Way
- Existing and Proposed Right of Way
- Easement and Existing Right of Way
- Borrow
- Easement (Temporary)
- Easement
- X Excess
- Property Line
- A/C Access Control

CONVENTIONAL SIGNS

- Station / Reference Point — Survey Line
- Section Corner
- Proposed Profile Grade
- Railroad
- Existing / Proposed — Field Tile
- Existing / Proposed — Culverts
- Stream

SYMBOLS UNIQUE TO PROJECT

CLIENT PROJECT NO:	STBG-SWAP-1185(657)--SG-07
FOTH PROJECT NO:	0021C017.02
DESIGNED BY:	C.CARPER
CHECKED BY:	C.CARPER
DRAWN BY:	R.PLATNER
LETTING DATE:	11/15/2022
CAD DATE:	9/1/2022 4:02:29 AM
CAD FILE:	c:\pw_workdir\pw_ie\cjc\d0518375\0021C017.02_A01_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

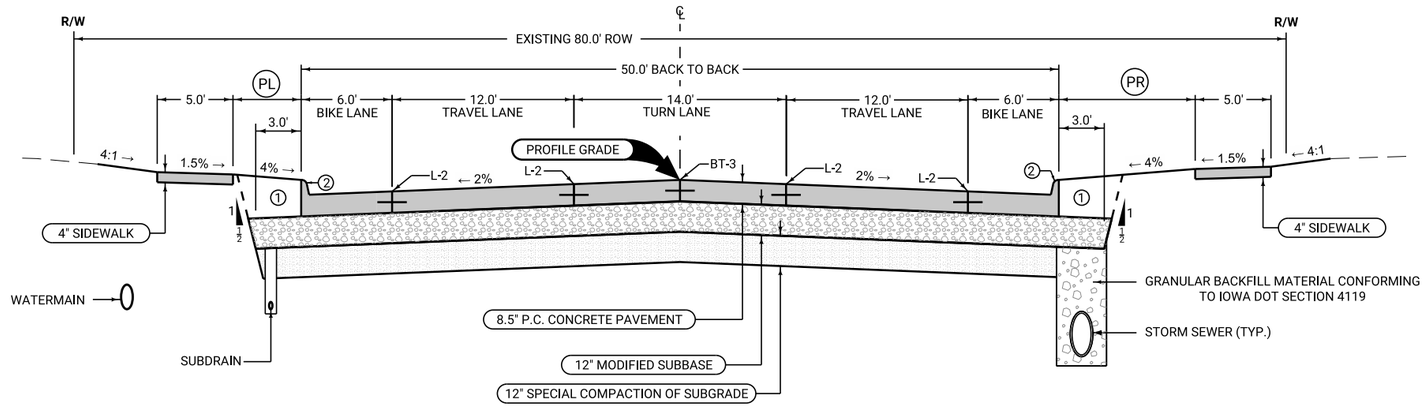
LEGEND AND SYMBOL INFORMATION SHEET

SHEET NO.
A.2

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Falls IA C\Main Street Reconstruction\CAD\Plans\0021C017.02_A01_SHT

Notes:

① Excavate and backfill 3'
② 6" Standard Curb

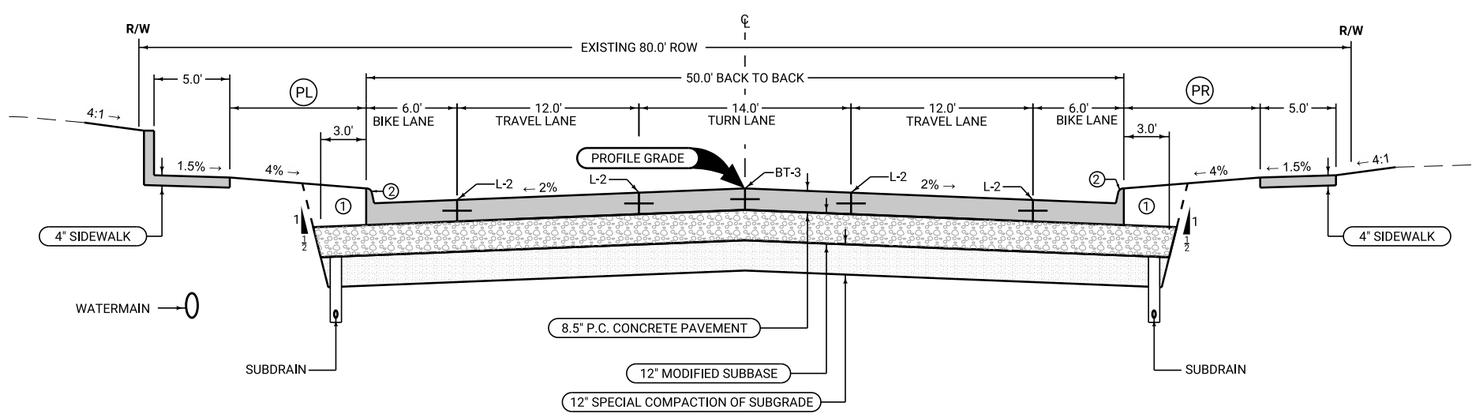


LOCATION			PL Feet	PR Feet
ROAD IDENTIFICATION	STATION TO STATION			
MAIN STREET	1013+90.79	1015+36.00	4.5	9.0
	1018+45.46	1020+87.70	5.5	9.0
	1024+17.04	1029+70.23	5.5	5.5
	1035+09.77	1037+70.00	9.0	9.0
	1041+25.00	1046+42.34	9.0	9.0
	1055+57.82	1057+54.66	9.0	9.0
	1069+20.84	1073+24.30	9.0	9.0

TYPICAL CROSS SECTION
MAIN STREET
SEERLEY BLVD TO 6TH STREET
50' B/B
2-LANE ROADWAY

Notes:

① Excavate and backfill 3'
② 6" Standard Curb



LOCATION			PL Feet	PR Feet
ROAD IDENTIFICATION	STATION TO STATION			
MAIN STREET	1015+36.00	1016+91.30	4.5	9.0
	1016+91.30	1018+45.46	5.5	9.0
	1065+13.19	1066+40.50	9.0	9.0

TYPICAL CROSS SECTION
MAIN STREET
SEERLEY BLVD TO 6TH STREET
50' B/B
2-LANE ROADWAY

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Falls IA C/Main Street Reconstruction/CAD/Plans/0021C017.02_B01_SHT

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: C.CARPER CHECKED BY: C.CARPER DRAWN BY: C. LASTNAME
LETTING DATE: 11/15/2022 CAD DATE: 8/31/2022 3:23:10 PM
CAD FILE: c:\pw_workdir\pw_ie\mjf5\d0518375\0021C017.02_B01_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

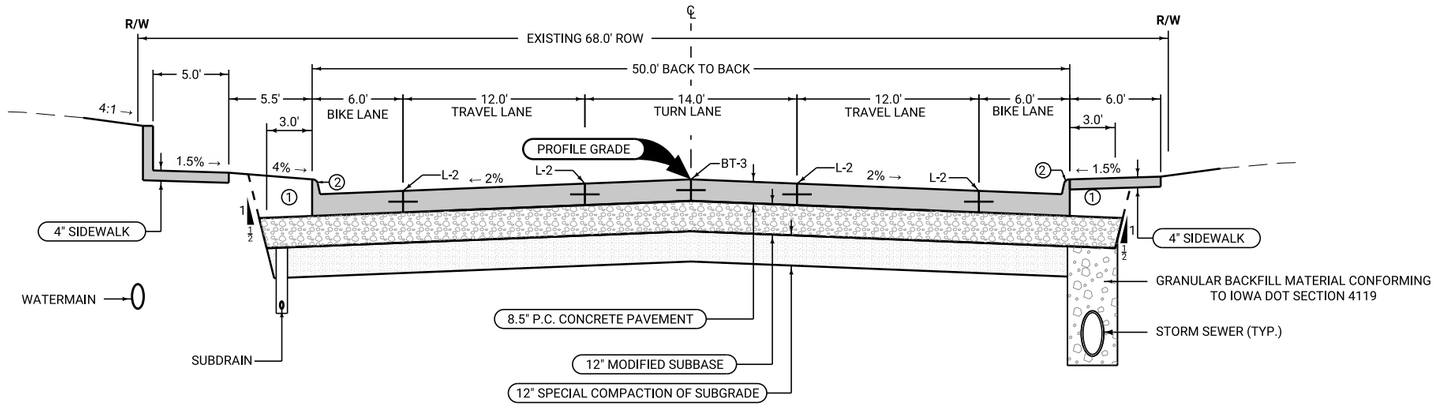
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

TYPICAL SECTIONS AND DETAILS

SHEET NO.
B.1
STBG-SWAP-1185(657

Notes:

① Excavate and backfill 3'
② 6" Standard Curb

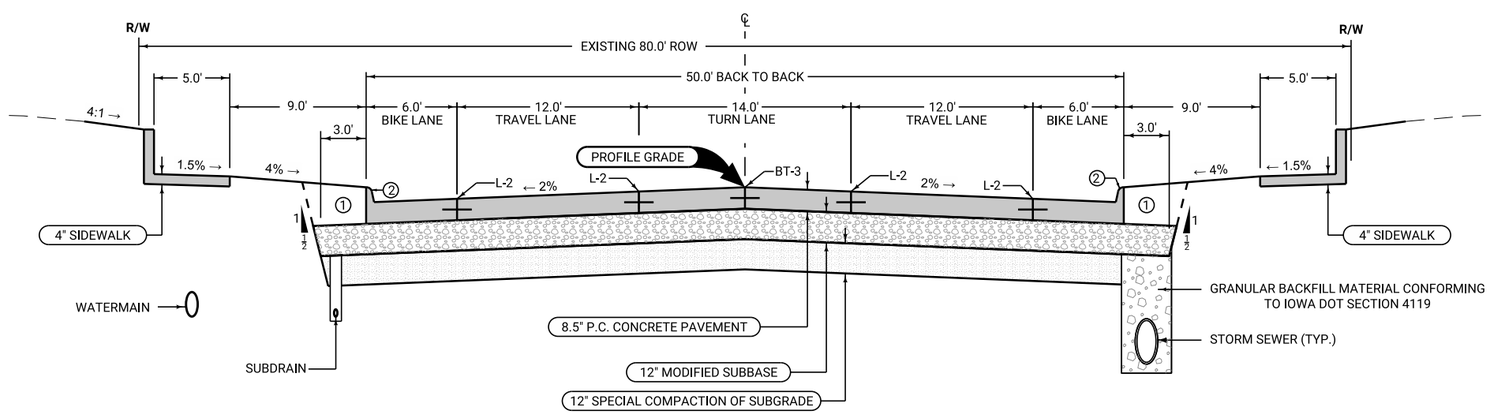


LOCATION		
ROAD IDENTIFICATION	STATION TO STATION	
MAIN STREET	1020+87.70	1024+17.04

TYPICAL CROSS SECTION
MAIN STREET
SEERLEY BLVD TO 6TH STREET
50' B/B
2-LANE ROADWAY

Notes:

① Excavate and backfill 3'
② 6" Standard Curb



LOCATION		
ROAD IDENTIFICATION	STATION TO STATION	
MAIN STREET	1037+70.00	1039+77.91

TYPICAL CROSS SECTION
MAIN STREET
SEERLEY BLVD TO 6TH STREET
50' B/B
2-LANE ROADWAY

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Falls IA C/Main Street Reconstruction/CAD/Plans/0021C017.02_B01_SHT

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: C.CARPER CHECKED BY: C.CARPER DRAWN BY: C. LASTNAME
LETTING DATE: 11/15/2022 CAD DATE: 8/31/2022 3:23:12 PM
CAD FILE: c:\pw_workdir\pw_ie\mjf5\d0518375\0021C017.02_B01_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

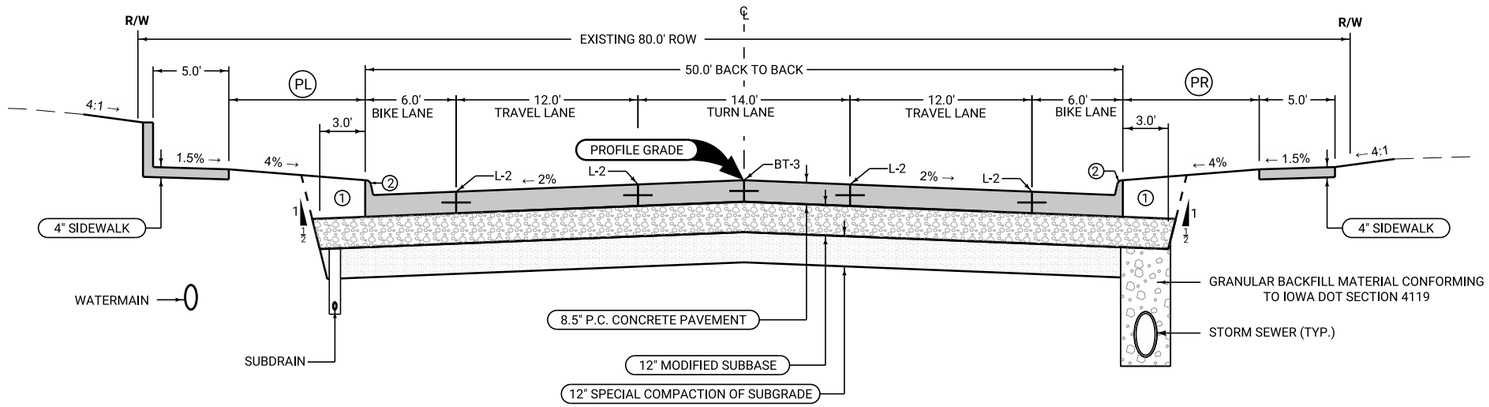
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

TYPICAL SECTIONS AND DETAILS

SHEET NO.
B.2
STBG-SWAP-1185(657)

Notes:

① Excavate and backfill 3'
② 6" Standard Curb

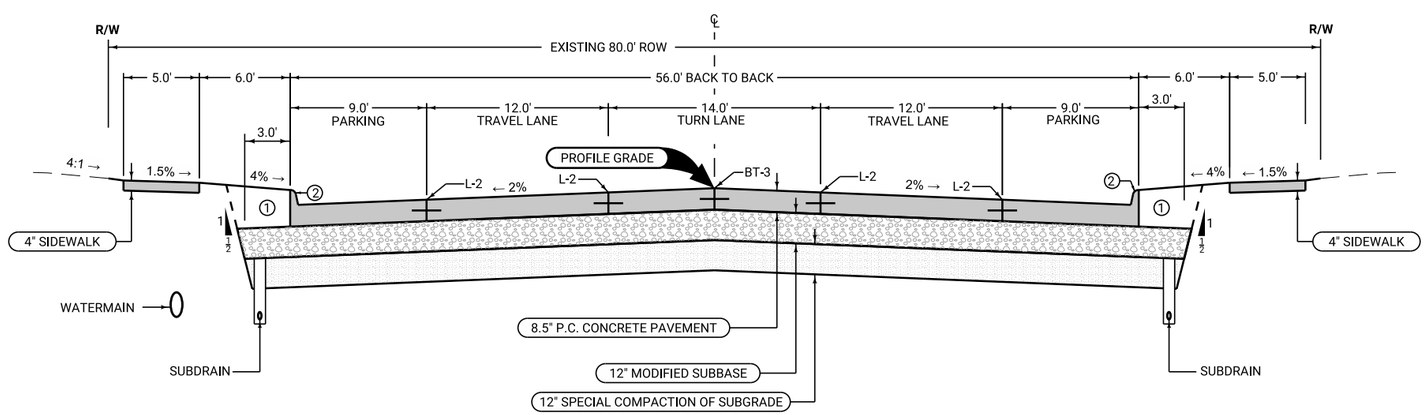


LOCATION			PL Feet	PR Feet
ROAD IDENTIFICATION	STATION TO STATION			
MAIN STREET	1039+77.91	1041+25.00	9.0	9.0
	1046+42.34	1049+72.67	8.0	9.0

TYPICAL CROSS SECTION
MAIN STREET
SEERLEY BLVD TO 6TH STREET
50' B/B
2-LANE ROADWAY

Notes:

① Excavate and backfill 3'
② 6" Standard Curb



LOCATION		
ROAD IDENTIFICATION	STATION TO STATION	
MAIN STREET	1057+54.66	1063+39.55

TYPICAL CROSS SECTION
MAIN STREET
SEERLEY BLVD TO 6TH STREET
56' B/B
2-LANE ROADWAY

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Falls IA C/Main Street Reconstruction/CAD/Plans/0021C017.02_B01_SHT

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
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NO	DATE	BY	REVISION DESCRIPTION

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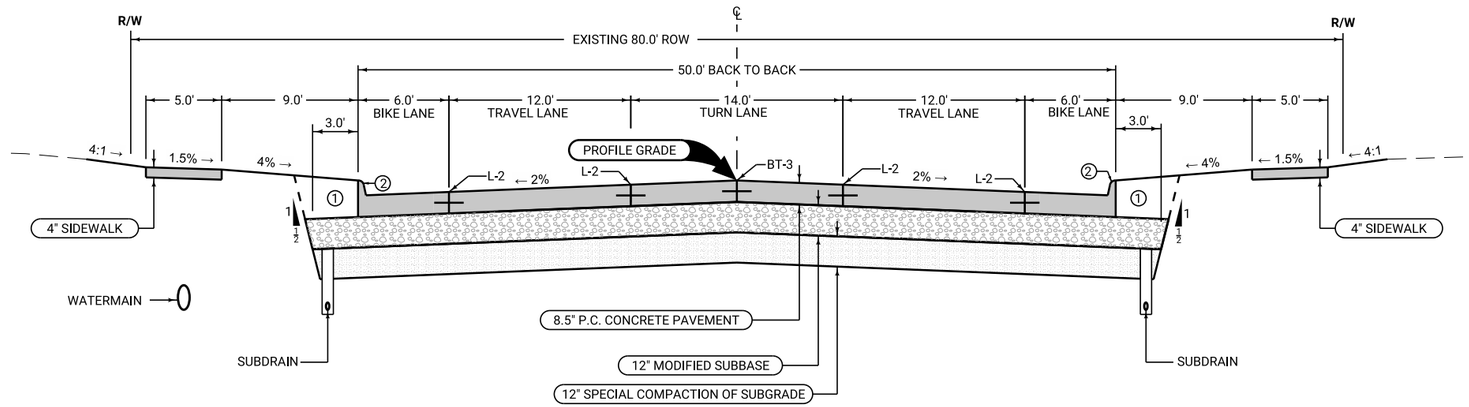
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

TYPICAL SECTIONS AND DETAILS

SHEET NO.
B.3
STBG-SWAP-1185(657

Notes:

① Excavate and backfill 3'
② 6" Standard Curb

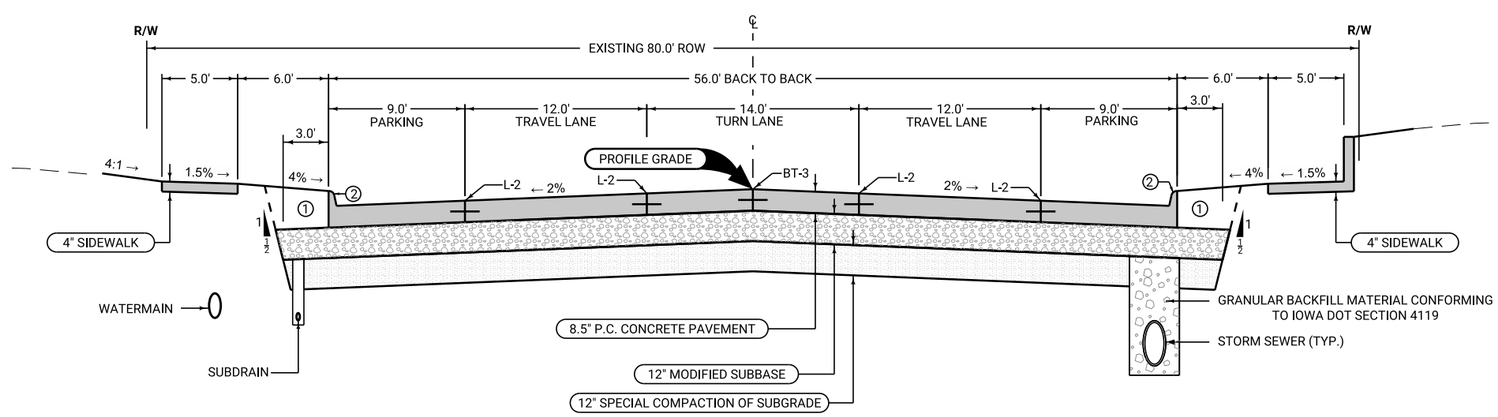


LOCATION		
ROAD IDENTIFICATION	STATION TO STATION	
MAIN STREET	1063+39.55	1065+13.19

TYPICAL CROSS SECTION
MAIN STREET
SEERLEY BLVD TO 6TH STREET
50' B/B
2-LANE ROADWAY

Notes:

① Excavate and backfill 3'
② 6" Standard Curb



LOCATION		
ROAD IDENTIFICATION	STATION TO STATION	
MAIN STREET	1067+08.47	1069+20.84

TYPICAL CROSS SECTION
MAIN STREET
SEERLEY BLVD TO 6TH STREET
56' B/B
2-LANE ROADWAY

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

TYPICAL SECTIONS AND DETAILS

SHEET NO.
B.4
STBG-SWAP-1185(657

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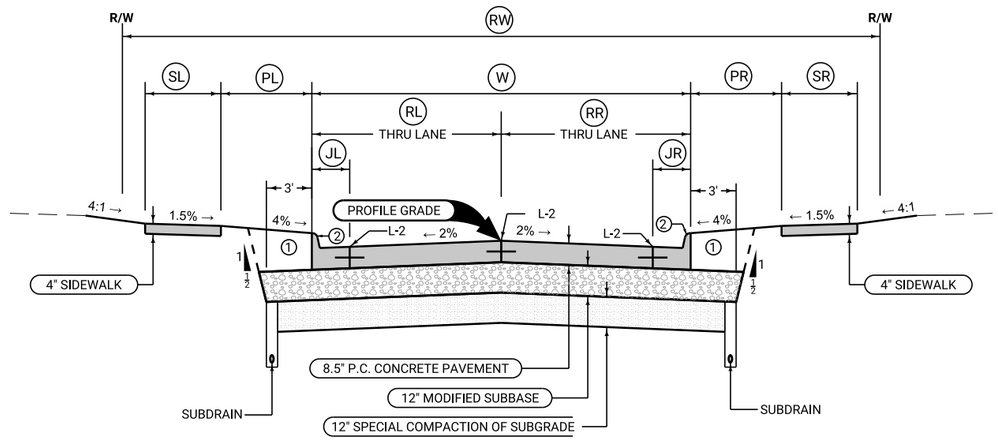
Notes:

① Excavate and backfill 3'
② 6" Standard Curb



TYPICAL CROSS SECTION
SIDE STREETS
2-LANE ROADWAY

LOCATION			W	PL	PR	SL	SR	JL	JR	RL	RR	RW
ROAD IDENTIFICATION	STATION TO STATION		Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet
SEERLEY BLVD (WEST)	242+24.06	243+30.00	29.0	VARIES	6.0	5.0	10.0	1.5	1.5	14.5	14.5	99.0
SEERLEY BLVD (EAST)	245+05.00	246+77.64	31.5	11.0	-	5.0	6.0	1.5	1.5	15.75	15.75	-
22ND ST (WEST)	221+04.00	221+75.00	31.0	VARIES	VARIES	-	-	1.5	1.5	15.5	15.5	66.0
22ND ST (EAST)	222+24.88	222+53.00	31.0	VARIES	VARIES	-	-	1.5	1.5	15.5	15.5	60.0
21ST ST (WEST)	211+35.00	211+75.00	31.0	-	11.5	-	5.0	1.5	1.5	15.5	15.5	66.0
21ST ST (EAST)	212+25.14	212+92.52	31.0	11.1	11.3	5.0	5.0	1.5	1.5	15.5	15.5	66.0
20TH ST (WEST)	201+35.00	201+75.00	31.0	VARIES	11.5	-	5.0	1.5	1.5	15.5	15.5	66.0
20TH ST (EAST)	202+25.00	203+15.00	31.0	11.5	11.5	5.0	5.0	1.5	1.5	15.5	15.5	66.0
18TH ST (WEST)	182+66.96	185+60.00	29.0	VARIES	VARIES	5.0	5.0	1.5	1.5	14.5	14.5	74.7
18TH ST (EAST)	187+34.00	190+60.74	29.0	VARIES	VARIES	5.0	5.0	1.5	1.5	14.5	14.5	100.0
17TH ST	171+10.00	171+75.00	30.0	VARIES	11.9	-	5.0	1.5	1.5	15.0	15.0	66.0
16TH ST (WEST)	161+34.45	161+75.00	25.0	14.5	13.5	5.0	5.0	1.5	1.5	12.5	12.5	66.0
16TH ST (EAST)	162+25.00	162+60.00	31.0	VARIES	VARIES	-	-	1.5	1.5	15.5	15.5	66.0
15TH ST (WEST)	151+10.00	151+75.00	31.0	11.5	11.5	5.0	5.0	1.5	1.5	15.5	15.5	66.0
15TH ST (EAST)	152+25.00	152+65.00	31.0	11.5	11.5	5.0	5.0	1.5	1.5	15.5	15.5	66.0
14TH ST (WEST)	141+02.00	141+75.00	26.0	13.0	VARIES	5.0	-	1.5	1.5	13.0	13.0	66.0
14TH ST (EAST)	142+25.00	142+71.17	32.0	11.0	VARIES	5.0	-	1.5	1.5	16.0	16.0	66.0
13TH ST (WEST)	130+87.50	131+75.00	31.0	10.5	10.5	5.0	5.0	1.5	1.5	15.5	15.5	66.0
13TH ST (EAST)	132+25.00	132+75.00	35.0	9.5	9.5	5.0	5.0	1.5	1.5	17.5	17.5	66.0
12TH ST (WEST)	122+08.96	124+30.00	35.0	VARIES	12.0	5.0	5.0	1.5	1.5	17.5	17.5	66.0
12TH ST (EAST)	126+00.00	129+71.65	29.0	VARIES	VARIES	8.0	8.0	1.5	1.5	14.5	14.5	66.0
11TH ST (WEST)	111+21.75	111+75.00	36.0	9.0	9.0	5.0	5.0	7.0	7.0	18.0	18.0	66.0
11TH ST (EAST)	112+25.00	112+84.35	25.0	14.5	14.5	5.0	5.0	1.5	1.5	12.5	12.5	66.0
10TH ST (WEST)	101+25.00	101+75.00	35.0	9.5	9.5	5.0	5.0	6.5	6.5	17.5	17.5	66.0
10TH ST (EAST)	102+25.00	102+65.00	25.0	14.5	14.5	5.0	5.0	1.5	1.5	12.5	12.5	66.0
9TH ST (WEST)	91+31.25	91+75.00	35.0	8.0	10.0	5.0	5.0	1.5	1.5	17.5	17.5	66.0
9TH ST (EAST)	92+25.00	92+70.00	35.0	9.5	9.5	5.0	5.0	1.5	1.5	17.5	17.5	66.0
W 8TH ST	81+35.00	81+75.00	35.0	9.5	8.5	5.0	5.0	1.5	1.5	17.5	17.5	66.0
E 8TH ST	85+25.00	85+75.00	25.0	VARIES	VARIES	5.0	5.0	1.5	1.5	12.5	12.5	40.0
7TH ST (WEST)	71+36.50	71+75.00	35.0	9.0	8.0	5.0	5.0	1.5	1.5	17.5	17.5	66.0
7TH ST (EAST)	72+25.00	72+52.00	33.0	10.5	9.5	5.0	5.0	1.5	1.5	16.5	16.5	66.0
W 6TH ST	61+18.00	61+75.00	35.0	8.3	8.9	5.0	5.0	1.5	1.5	17.5	17.5	66.0
E 6TH ST	65+25.00	65+60.00	23.0	VARIES	6.5	-	5.0	1.5	1.5	12.5	12.5	66.0

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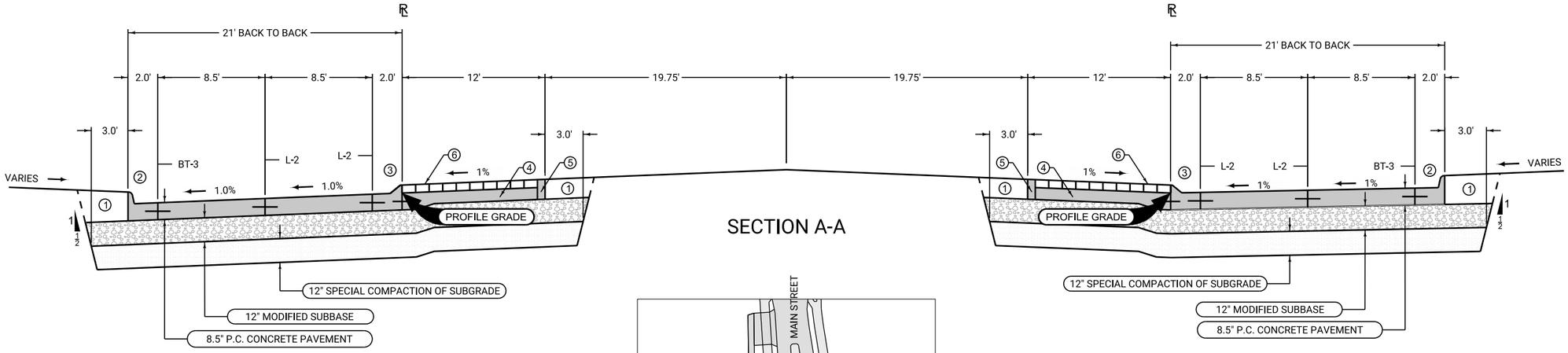
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

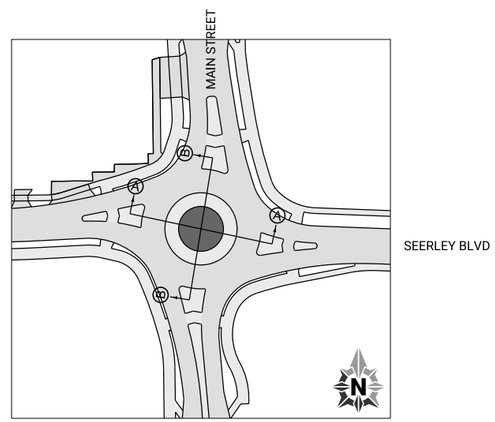
TYPICAL SECTIONS AND DETAILS

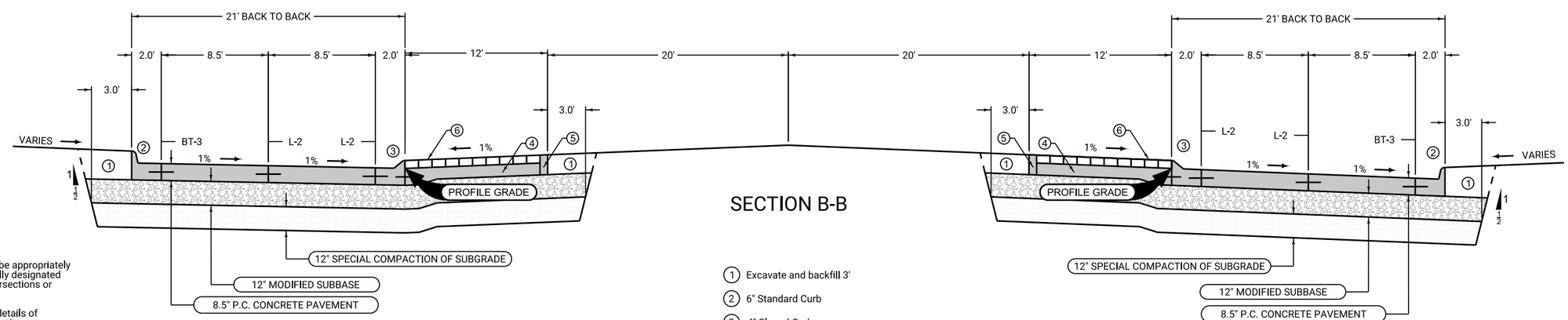
SHEET NO.
B.5

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Falls IA C\Main Street Reconstruction\CAD\Plans\0021C017.02_B01_SHT



SECTION A-A





SECTION B-B

Notes:

Normal section shown may be appropriately modified for areas specifically designated by the Engineer such as intersections or super elevated curves.

Refer to other drawings for details of shoulder design and construction.

1. Excavate and backfill 3'
2. 6" Standard Curb
3. 4" Sloped Curb
4. 6" PCC Paver setting bed (Thickened edge at BOC is incidental)
5. 10" Beam Curb
6. Refer to LS-Sheets for Paver Details

TYPICAL CROSS SECTION MAIN STREET AND SEERLEY BLVD

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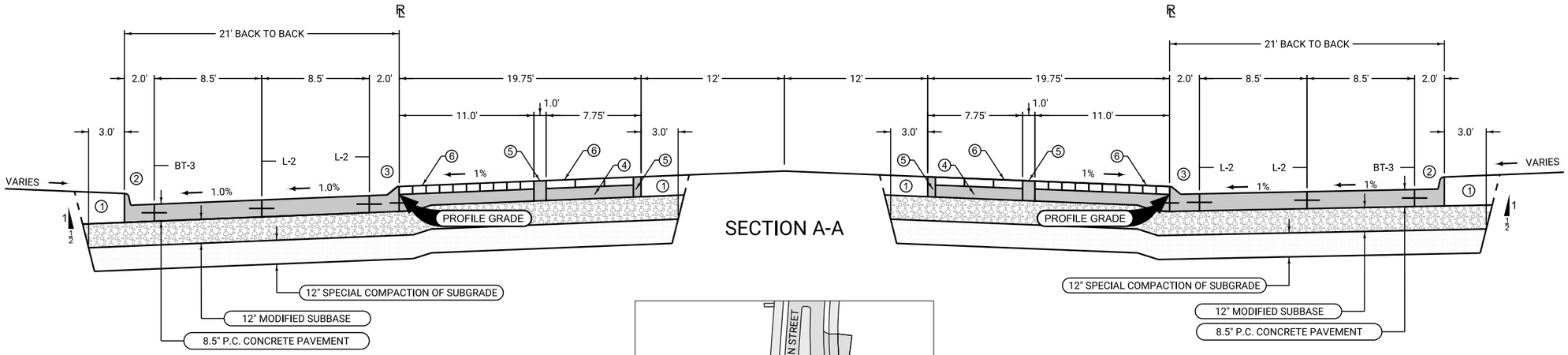
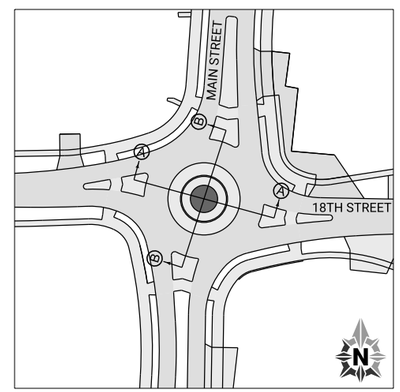
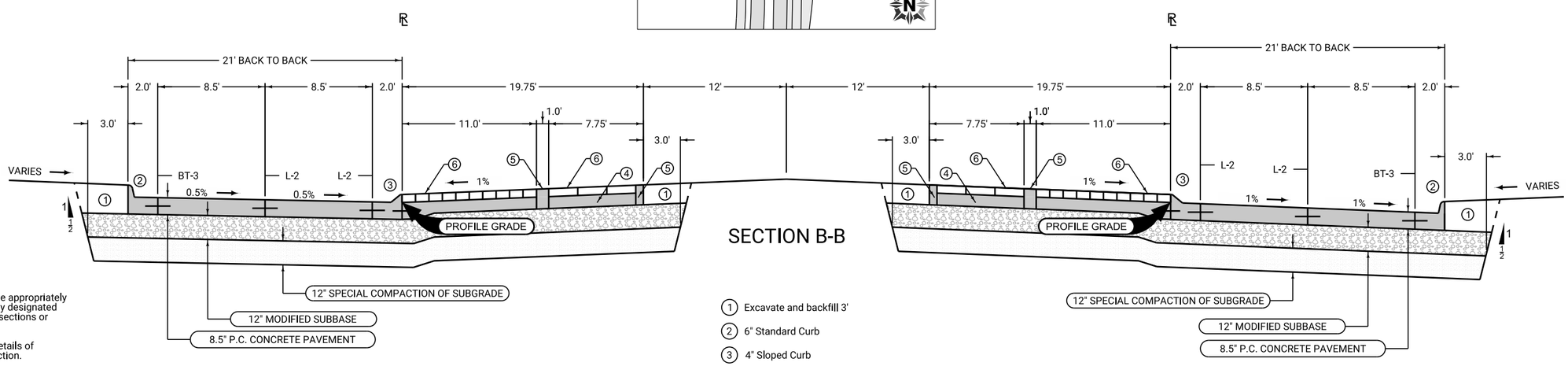
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

TYPICAL SECTIONS AND DETAILS

SHEET NO.
B.6
STBG-SWAP-1185(657







Notes:

Normal section shown may be appropriately modified for areas specifically designated by the Engineer such as intersections or super elevated curves.

Refer to other drawings for details of shoulder design and construction.

1. Excavate and backfill 3'
2. 6" Standard Curb
3. 4" Sloped Curb
4. 6" PCC Paver setting bed (Thickened edge at BOC is incidental)
5. 10" Beam Curb
6. Refer to LS-Sheets for Paver Details

TYPICAL CROSS SECTION MAIN STREET AND 18TH STREET

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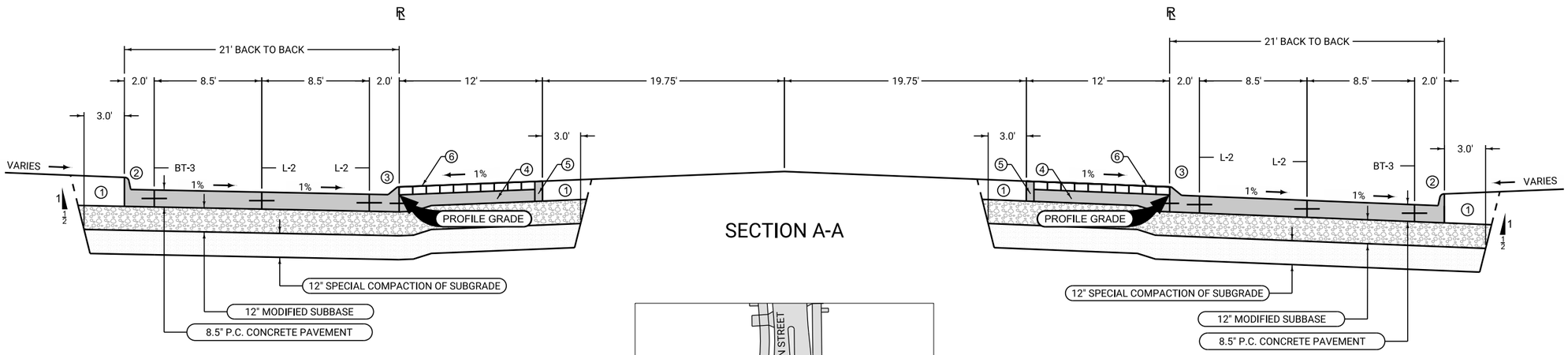
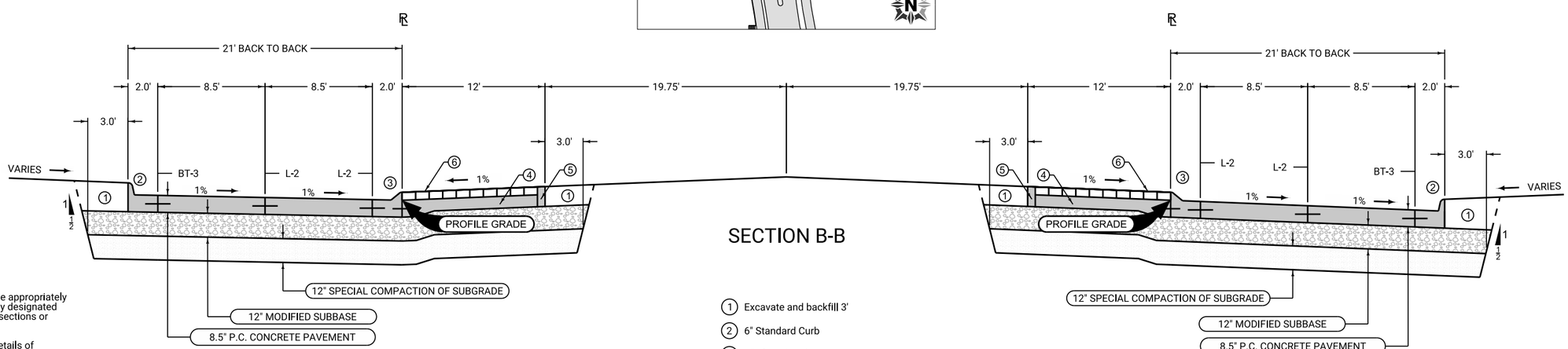
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

TYPICAL SECTIONS AND DETAILS

SHEET NO.
B.7
STBG-SWAP-1185(657)



SECTION A-A



SECTION B-B

Notes:

Normal section shown may be appropriately modified for areas specifically designated by the Engineer such as intersections or super elevated curves.

Refer to other drawings for details of shoulder design and construction.

1. Excavate and backfill 3'
2. 6" Standard Curb
3. 4" Sloped Curb
4. 6" PCC Paver setting bed (Thickened edge at BOC is incidental)
5. 10" Beam Curb
6. Refer to LS-Sheets for Paver Details

TYPICAL CROSS SECTION MAIN STREET AND 12TH STREET

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

TYPICAL SECTIONS AND DETAILS

SHEET NO.
B.8

STBG-SWAP-1185(657)

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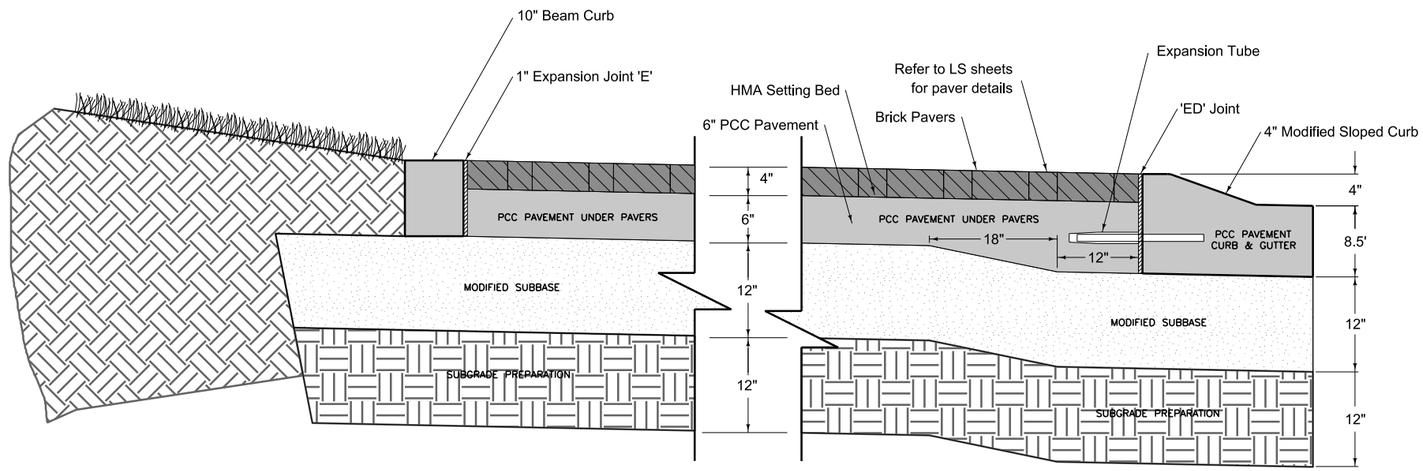
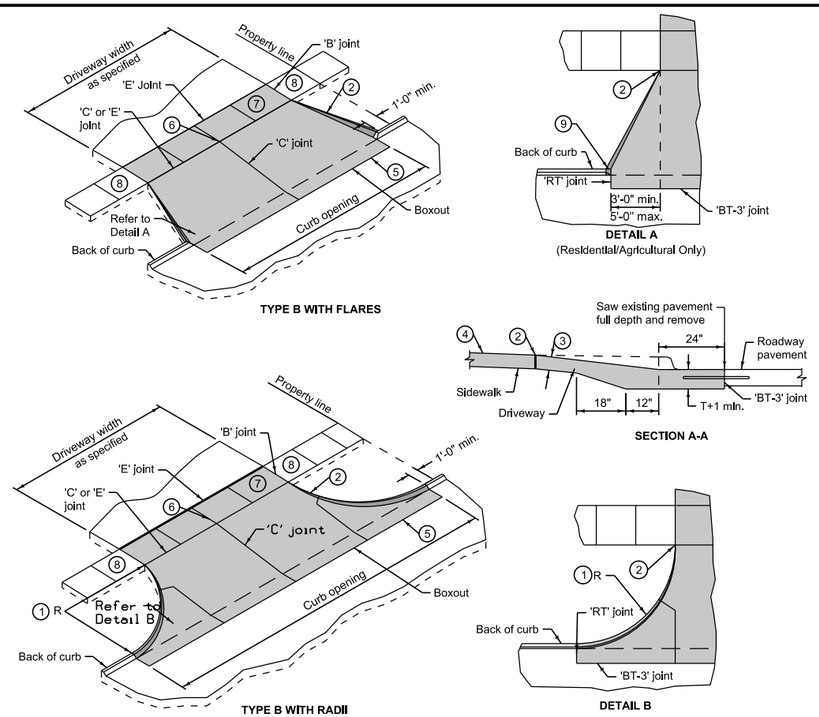


PAVERS AT ROUNDABOUT TRUCK
APRON AND SPLITTER ISLANDS



1. Driveway radius (R).
   Residential: 10 foot minimum, 15 foot maximum.
   Commercial and industrial: As specified in the contract documents.
2. Transition the curb height to 0 inches at end of taper/radius or at the front edge of sidewalk. Do not extend raised curb cross sidewalk.
3. Pavement thickness.
   Residential: 6 inches minimum.
   Commercial and industrial: 7 inches minimum.
4. Sidewalk thickness through driveway to match thickness of driveway.
5. If longitudinal joint is located 48 inches or less from the back of curb, extend boxout to joint line. Full depth saw cut is still required.
6. For alleys, invert the pavement crown 2% toward the center of the alley.
7. Target cross slope of 1.5% with a maximum cross slope of 2.0%. If specified in the contract documents, construct the sidewalk through the driveway 5 feet wide to serve as a passing space.
8. If cross slope of adjacent sidewalk panel exceeds 2.0%, remove and replace to transition from existing sidewalk to sidewalk through driveway. If the elevation change requires a curb ramp, comply with Figure 7030.205; verify need for detectable warning panel with Engineer.
9. Transition street curb at minimum 1:1 slope to meet driveway curb.

CONCRETE DRIVEWAY, TYPE B

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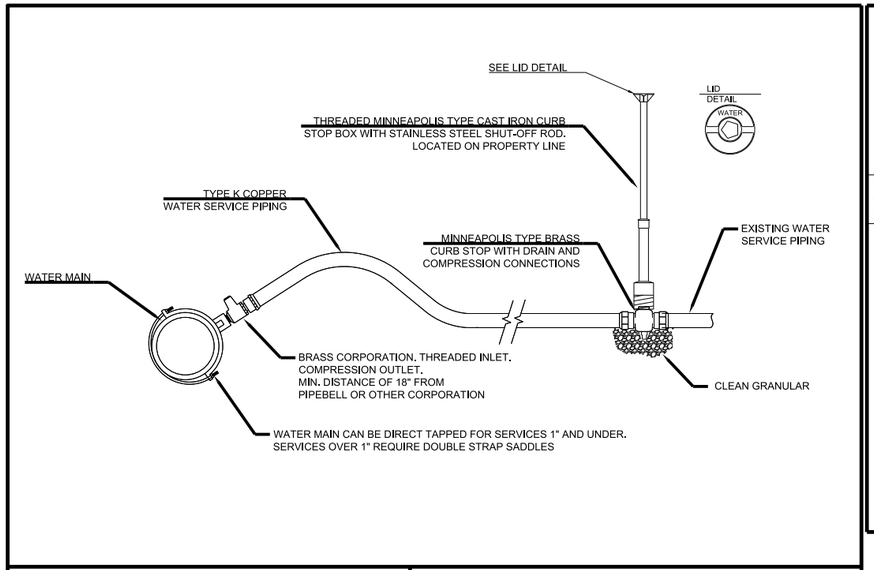
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

TYPICAL SECTIONS AND DETAILS

SHEET NO.
B.9
STBG-SWAP-1185(657)



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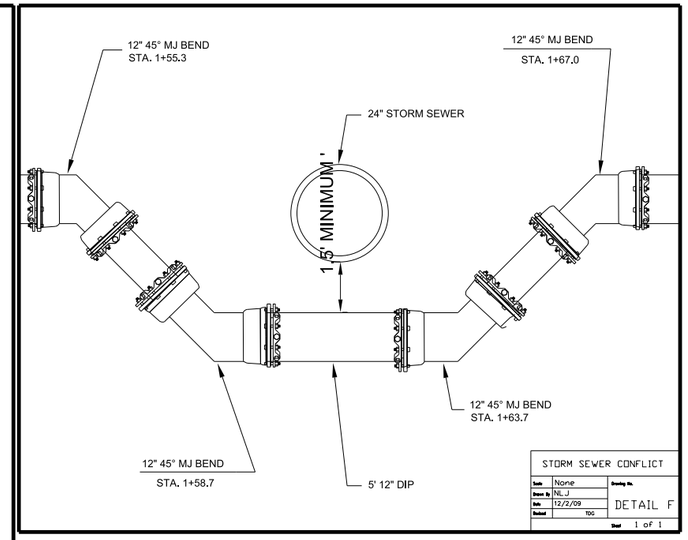
CHKD:	APPR:	DWN:	DATE:	SCALE:	REV:	SHT:	DWG: DETAIL D



STORM SEWER CONFLICT	
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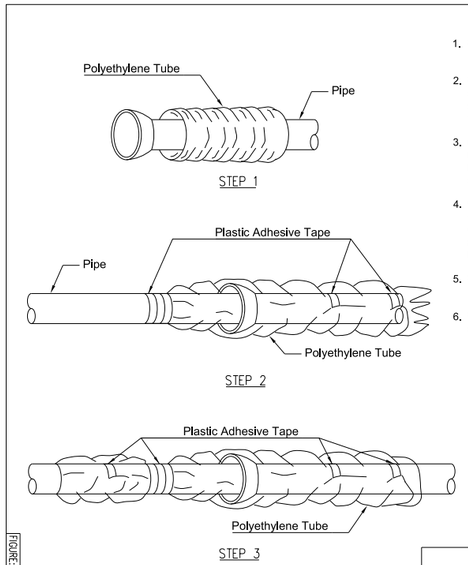
Drawn By: NL, J	DETAIL F
Date: 12/2/09	
Revised: TDG	
	Sheet 1 of 1

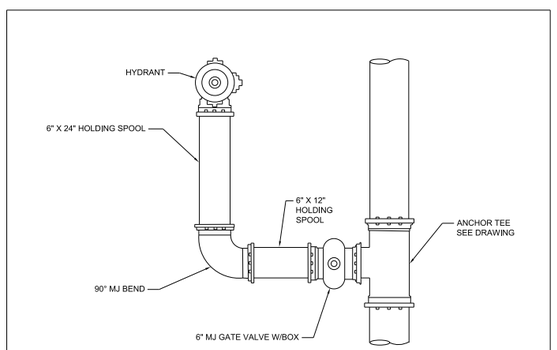


1. Place tube of polyethylene material on pipe prior to lowering it into the trench.
2. Pull the tube over the length of pipe. Secure tube to pipe at joint. Fold material around the adjacent spigot end and wrap with plastic adhesive tape to hold the plastic tube in place.
3. Overlap first tube with adjacent tube and secure with tape. Loosely cover the pipe with polyethylene tubing. Neatly draw up excess material around the pipe barrel, fold on top of, and secure with tape.
4. Wrap iron pipe fittings, including valves and hydrants, with polyethylene material. Extend the wrapping at least 1' beyond the fitting joints onto the adjoining pipe and fasten to the pipe with tape. Use tape as needed to hold wrap in place.
5. Polyethylene material shall be 8 MIL thick and blue in color.
6. Polyethylene material shall be installed in accordance with AWWA Standard C105.

FIGURE 5010.2 SHEET 1 OF 1

REVISION NO.
REVISION DATE 1/17/11
SHEET 1 OF 1

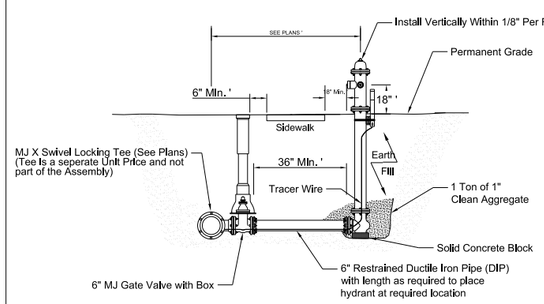
POLYETHYLENE WRAP



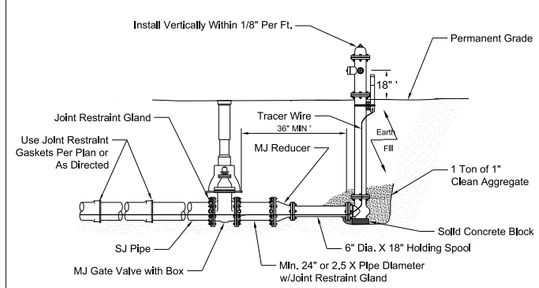
TITLE: 90 DEGREE HYDRANT ASSEMBLY

CHKD:	APPR:	DWN:	DATE:	SCALE:	REV:	SHT:	DWG:

Typical Hydrant Installation



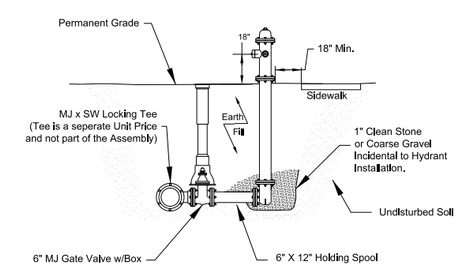
Typical Hydrant Installation on the End of Main



TITLE: TYPICAL HYDRANT INSTALLATIONS

CHKD:	APPR:	DWN:	DATE:	SCALE:	REV:	SHT:	DWG: DETAIL A

Typical 90 Degree Hydrant Assembly Installation using Locking Tee and Holding Spools



TITLE: 90 DEGREE HYDRANT INSTALLATION

CHKD:	APPR:	DWN:	DATE:	SCALE:	REV:	SHT:	DWG: DETAIL B

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Falls IA C\Main Street Reconstruction\CAD\Plans\0021C017.02_B01_SHT

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: C.CARPER CHECKED BY: C.CARPER DRAWN BY: C. LASTNAME
LETTING DATE: 11/15/2022 CAD DATE: 8/31/2022 3:23:19 PM
CAD FILE: c:\pw_workdir\pw_ie\mjf5\d0518375\0021C017.02_B01_SHT.dgn

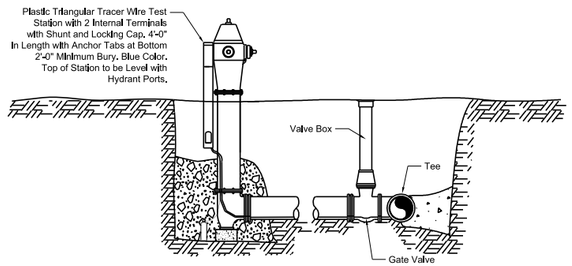
NO	DATE	BY	REVISION DESCRIPTION

Foth

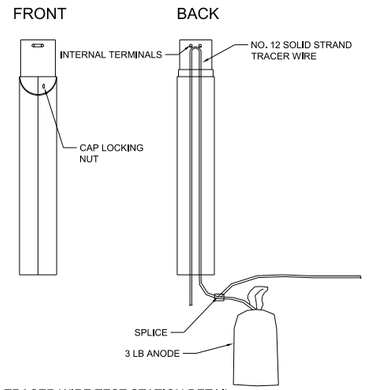
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

TYPICAL SECTIONS AND DETAILS

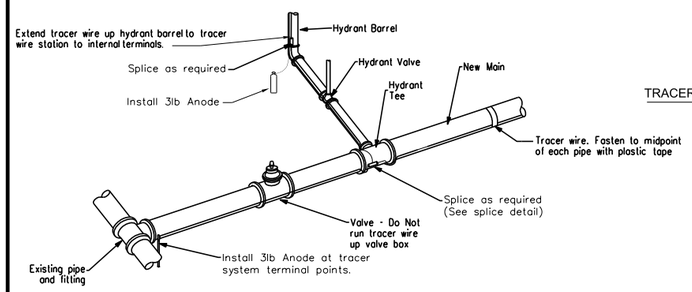
SHEET NO. **B.10**



TRACER WIRE TEST STATION AT HYDRANT



TRACER WIRE TEST STATION DETAIL

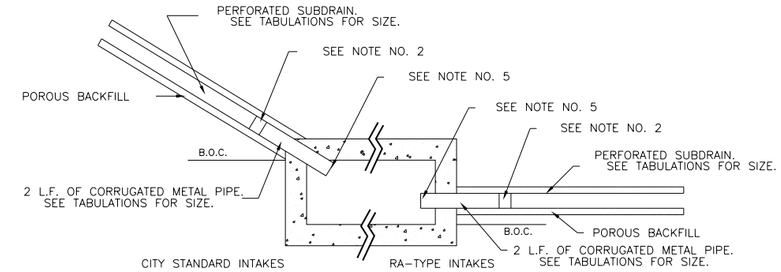


TRACER WIRE DETAIL

GENERAL NOTES:

Exercise care to preserve the integrity of the insulation on the tracer wire.

TRACER WIRE DETAIL		
Scale	None	Drawing No.
Drawn By	NLJ	DETAIL C
Date	1/30/12	
Revised		
		Sheet 1 of 1

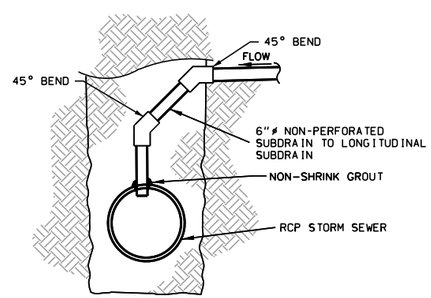


SUBDRAIN OUTLET

NOT TO SCALE

GENERAL NOTES:

1. MATERIAL AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH CURRENT STANDARD SPECIFICATIONS.
2. REDUCING COUPLER (AT CONTRACTOR'S OPTION, THE SUBDRAIN MAY BE EXTENDED INTO THE C.M.P. A MINIMUM OF 1'-0" AND THE OPENING FULLY SEALED WITH GROUT.
3. SUBDRAIN OUTLET TO BE GROUTED ON THE INSIDE AND OUTSIDE OF THE INLET WALL.
4. ALL CORRUGATED METAL INLETS MUST HAVE RODENT GUARDS.
5. REMOVABLE MESH CAP (¼" HARDWARE CLOTH) OR ½" MESH GALVANIZED SCREEN FASTENED SECURELY, BUT NOT PERMANENTLY, TO OUTLET PIPE. OUTLET PIPE SHOULD EXTEND INTO INTAKE SO THAT MESH CAP IS REMOVABLE.



REFERENCED NOTES:

1. SUBDRAINS SHALL PENETRATE A MAXIMUM OF 1" INTO STORM SEWERS.
2. SUBDRAIN SHALL BE INSTALLED DURING STORM SEWER INSTALLATION. ALL FITTINGS SHALL BE INCIDENTAL TO SUBDRAIN CONNECTION TO STRUCTURE/PIPE

STORM PIPE SUBDRAIN CONNECTION DETAIL

NOTES

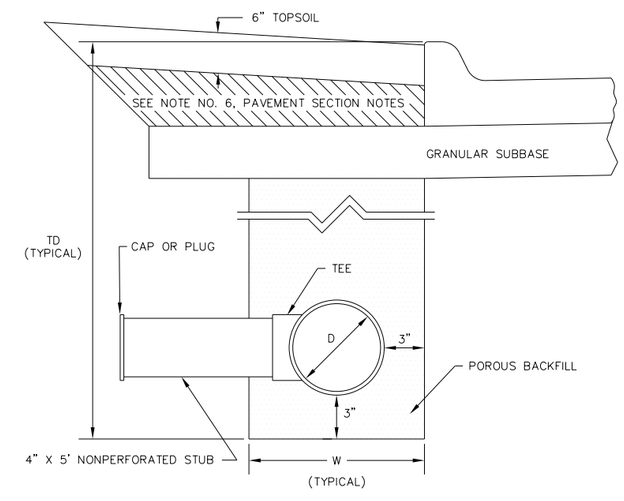
1. SEE SUBDRAIN TABULATION FOR D AND TD.
2. SUMP PUMP TAP SHOWN FOR INFORMATIONAL PURPOSES.
3. USE 1" CLEAN FOR BACKFILL IN SUBDRAIN TRENCH ON PIPES 15 INCH IN DIA. AND LARGER WITH A GRADATION AS FOLLOWS;

SIEVE SIZE	% PASSING BY WEIGHT
1"	90%
3/4"	55%
1/2"	5%

TD- TYPICAL DEPTH FROM BOTTOM OF TRENCH TO TOP OF CURB IS 4'-3"

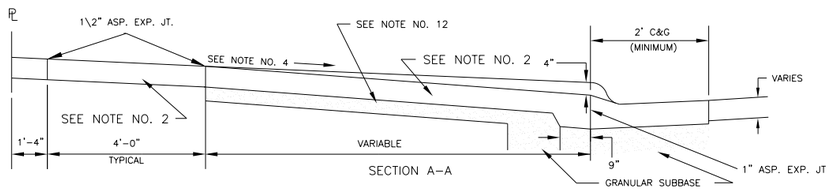
D- TYPICAL PIPE DIAMETER IS 6"

W- TYPICAL TRENCH WIDTH IS 12"

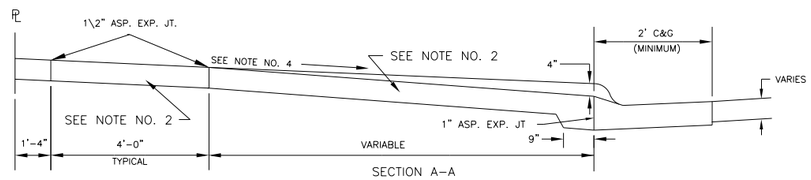


TYPICAL SUBDRAIN TRENCH & TAP (IF APPLICABLE)

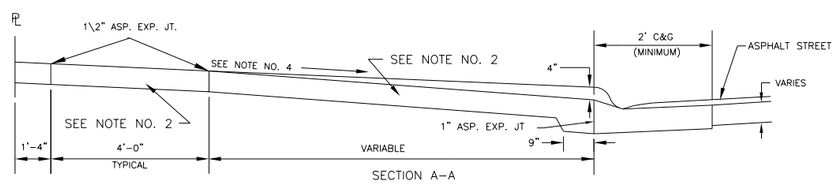
NOT TO SCALE



TYPICAL CROSS-SECTION
WITH GRANULAR SUBBASE



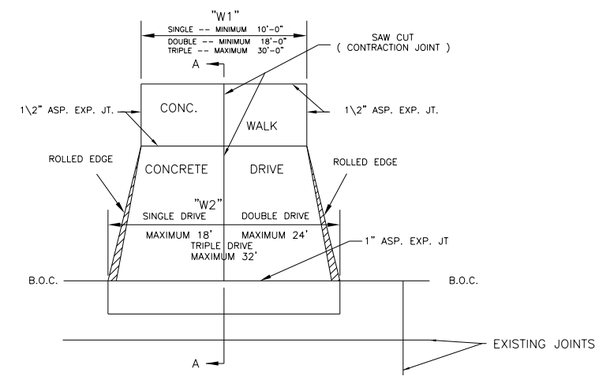
TYPICAL CROSS-SECTION
ON PORTLAND CEMENT CONCRETE STREET

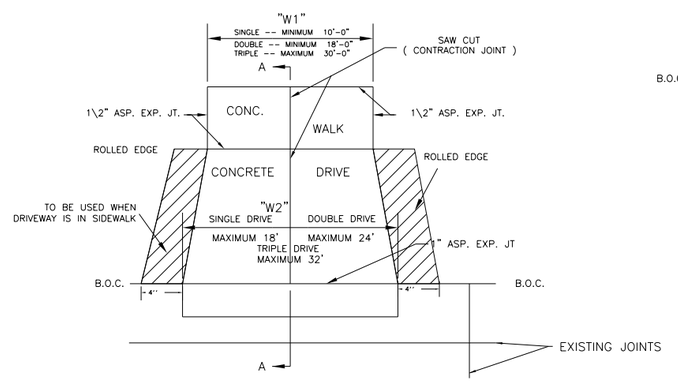


TYPICAL CROSS-SECTION
ON ASPHALT OVERLAY STREET

NOTES:

1. CONSTRUCTION DETAILS SHOWN HEREIN ARE FOR URBAN TYPE DRIVEWAYS AND ALLEYS.
2. 6" PLAIN P.C. CONC., CLASS "C".
3. SLOPE OF WALK TO BE 1\4" PER FOOT. VARIATIONS TO BE DETERMINED BY CITY ENGINEER.
4. MAXIMUM SLOPE 10% ABOVE GUTTER.
5. SAW CUTS TO BE FULL THICKNESS OF THE EXISTING STREET TO PERMIT ADEQUATE REMOVAL OF CURB AND GUTTER.
6. ALL NEW OR EXISTING CURB OPENINGS WHICH INVOLVE CURB RECONSTRUCTION WITH AN END WHICH IS LESS THAN TWO (2) FEET FROM AN EXISTING TRANSVERSE JOINT AND/OR A LONGITUDINAL JOINT WHICH IS EIGHTEEN (18) INCHES OR LESS FROM AN EXISTING LONGITUDINAL JOINT SHALL BE RECONSTRUCTED TO THE RESPECTIVE JOINT(S).
7. EXPANSION JOINT AT BACK OF PAVEMENT, FACE AND BACK OF WALK SHALL BE LEFT DOWN ONE HALF (1\2) INCH AND SEALED WITH JOINT FILLER MATERIAL CONFORMING TO SECTION 4136 OF THE BASE SPECIFICATIONS.
8. DRIVEWAY WIDTH (W1) AT THE OWNER'S PROPERTY LINE SHALL NOT BE LESS THAN TEN (10) FEET FOR A SINGLE DRIVE AND NOT LESS THAN EIGHTEEN (18) FEET FOR DOUBLE DRIVES.
9. CURB OPENING (W2) FOR A SINGLE DRIVE SHALL NOT EXCEED EIGHTEEN (18) FEET. FOR A DOUBLE DRIVE SHALL NOT EXCEED TWENTY-FOUR (24) FEET. (W2) WIDTH MAY EXCEED (W1) WIDTH BY NO MORE THAN SIX (6) FEET. TRIPLE DRIVEWAY CURB CUTS CAN BE THIRTY TWO (32) FEET MAXIMUM AND MUST HAVE TWELVE (12) INCH FLARES ON EACH SIDE.
10. DETAILS SHOWN HEREIN ARE TYPICAL ONLY AND ARE NOT INTENDED TO DEPICT ANY SPECIFIC INSTALLATIONS. REFER TO PROJECT PLANS FOR REQUIREMENTS OF INDI-VIDUAL LOCATIONS.
11. CONTRACTION JOINT LOCATIONS TO BE DETERMINED IN FIELD.
12. 4" CLASS 10 EXCAVATION, REPLACED WITH 4" GRANULAR SUBBASE TIED INTO PAVEMENT SUBBASE.
13. REFER TO SHEET L.01 FOR PROJECT SPECIFIC DETAILS.





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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: C.CARPER	CHECKED BY: C.CARPER	DRAWN BY: C. LASTNAME	
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NO	DATE	BY	REVISION DESCRIPTION

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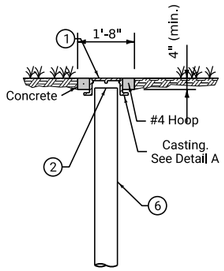
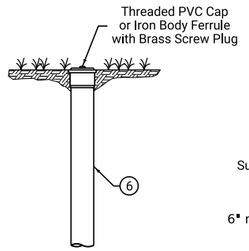
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

TYPICAL SECTIONS AND DETAILS

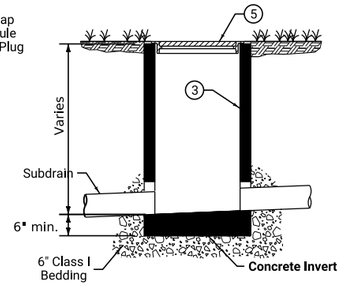
SHEET NO.
B.12
STBG-SWAP-1185(657)



TYPE A-1 CLEANOUT

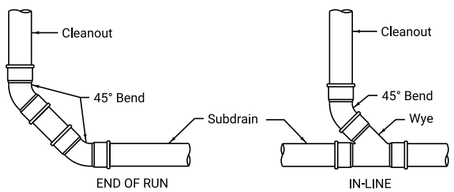


TYPE A-2 CLEANOUT

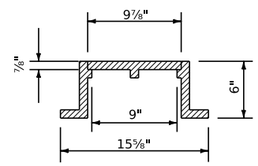


TYPE B CLEANOUT

1. Light duty casting. Label lid with "Storm" or "Storm C.O."
2. Do not allow casting to bear on top of riser pipe; provide 2 inch clearance, minimum.
3. A manufactured cleanout may be used in lieu of a Type B cleanout, if approved by the Engineer.
4. Design is intended for use in conjunction with 8 inch PVC riser pipe. Other sized caps may be used with smaller pipe, as approved by the Engineer.
5. Provide Type G casting, as required to fit pipe size.
6. PVC riser pipe; match diameter of subdrain (8 inches maximum).

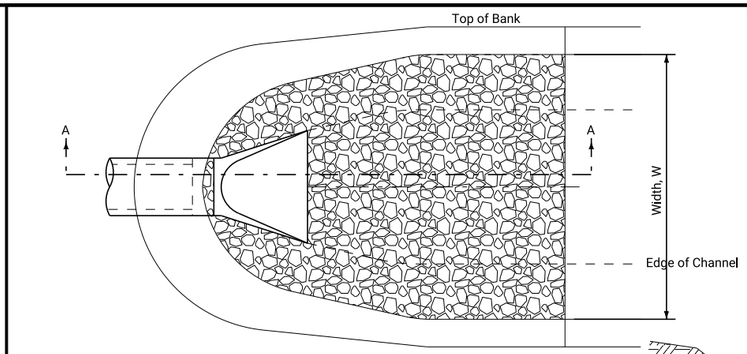


TYPE A CLEANOUT CONNECTIONS

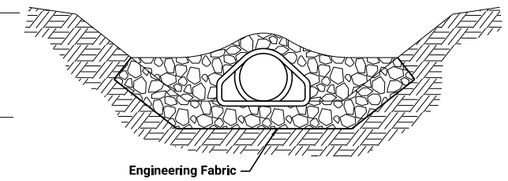


DETAIL A (1)(4)
(Dimensions are nominal)

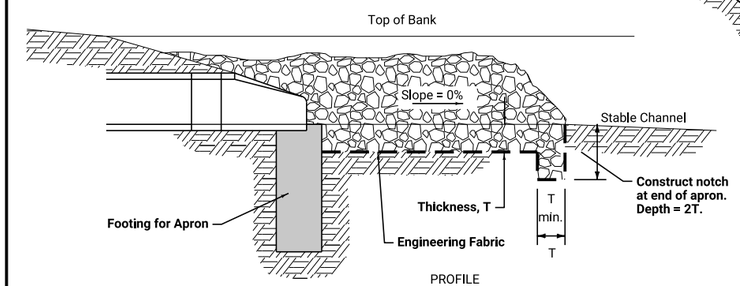
SUBDRAIN CLEANOUTS



PLAN

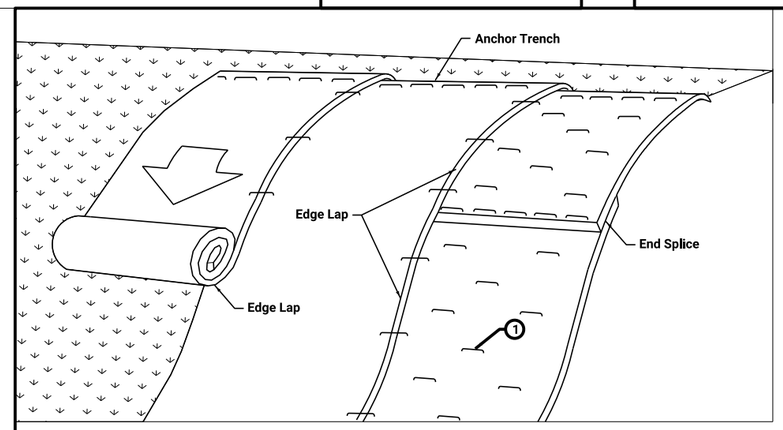


CROSS-SECTION

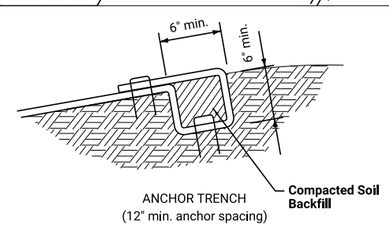


PROFILE
Section A-A

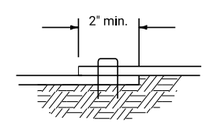
RIP RAP FOR PIPE
OUTLET INTO CHANNEL



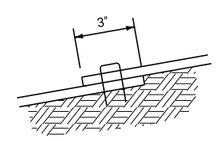
1. Secure blanket to ground according to manufacturer's recommended anchoring pattern and minimum shown in Table 1.



ANCHOR TRENCH
(12" min. anchor spacing)



EDGE LAP
(4'-0" min. anchor spacing)



END SPLICE
(18" min. anchor spacing)

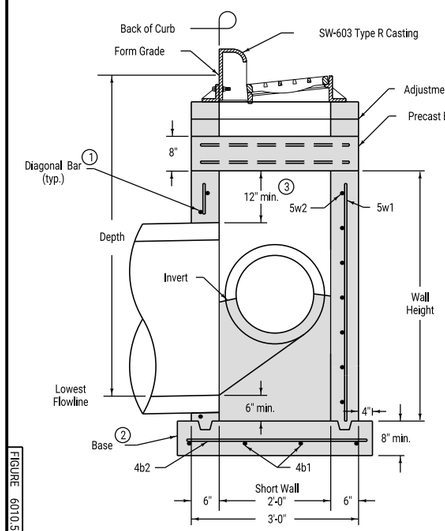
TABLE 1

Max. Slope	Min. Slope
≤ 3:1	1.5/yd²
2:1	2/yd²
1:1	2.5/yd²

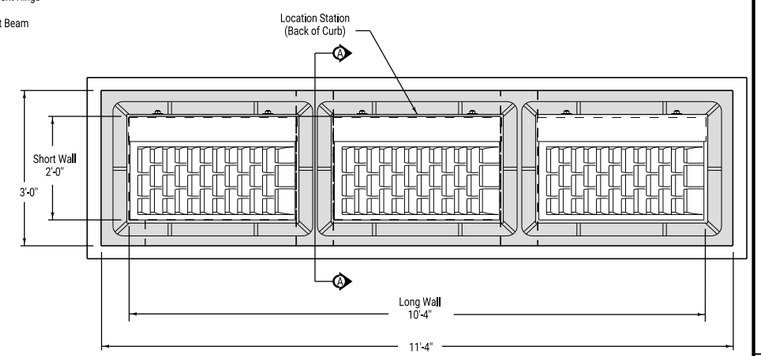
ROLLED EROSION CONTROL
PRODUCT (RECP)
INSTALLATION ON SLOPES

Refer to SW-514 for boxout details.

1. Install four #4 diagonal bars at all pipe openings.
2. Cast-in-place base shown. If base is precast integral with walls, the footprint of the base is not required to extend beyond the outer edge of the walls.
3. 12 inch minimum wall height above all pipes.



SECTION A-A

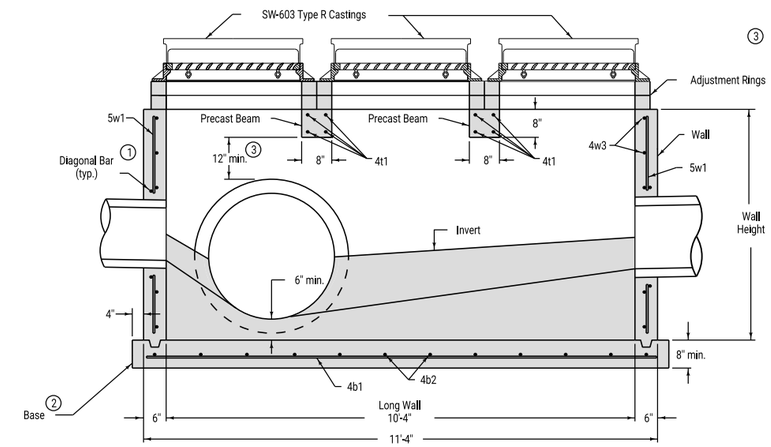


PLAN

MODIFIED STANDARD ROAD PLAN	MODIFIED 01-13-16 SW-505 SHEET 1 of 2
MODIFICATIONS: Modified for Triple Intake.	
RUDAS DIRECTOR	DESIGN METHODS ENGINEER
TRIPLE GRATE INTAKE	

FIGURE 6010.505.1 SHEET 1 OF 2

1. Install four #4 diagonal bars at all pipe openings.
2. Cast-in-place base shown. If base is precast integral with walls, the footprint of the base is not required to extend beyond the outer edge of the walls.
3. 12 inch minimum wall height above all pipes.



TYPICAL SECTION

REINFORCING BAR LIST

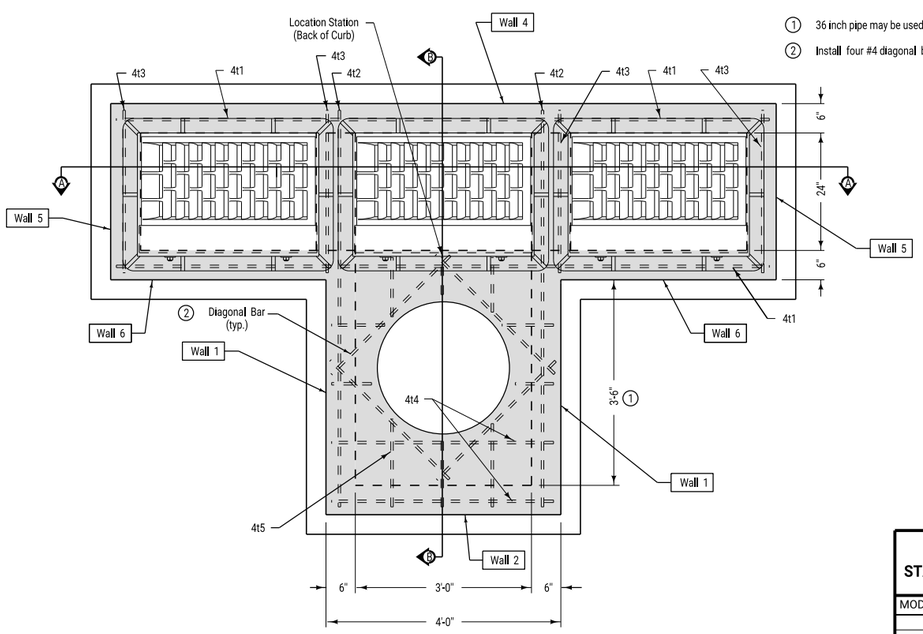
Mark	Size	Location	Shape	Count	Length	Spacing
4t1	4	Beam	——	8	2'-8"	4"
4b1	4	Base	——	4	11'-6"	10"
4b2	4	Base	——	12	3'-2"	12"
5w1	5	Walls	——	28	Wall Height minus 4"	12"
5w2	5	Long Walls	——	Varies	11'-0"	8"
4w3	4	Short Walls	——	Varies	2'-8"	8"

MODIFIED STANDARD ROAD PLAN	MODIFIED 01-13-16 SW-505 SHEET 2 of 2
MODIFICATIONS: Modified for Triple Intake.	
RUDAS DIRECTOR	DESIGN METHODS ENGINEER
TRIPLE GRATE INTAKE	

FIGURE 6010.505.1 SHEET 2 OF 2

Refer to SW-514 for boxout details.

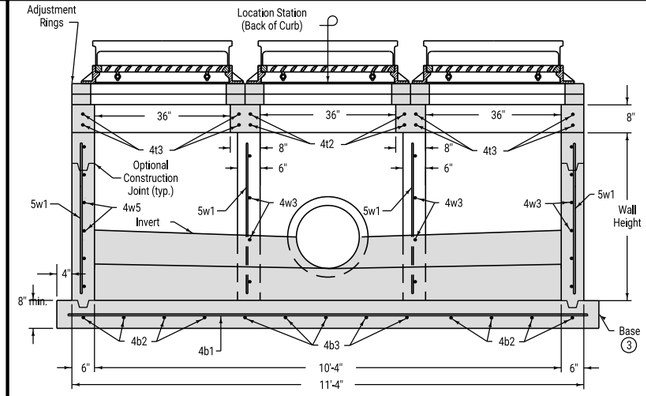
1. 36 inch pipe may be used when wall dimension is increased to 4 feet.
2. Install four #4 diagonal bars at manhole opening and at all pipe openings.



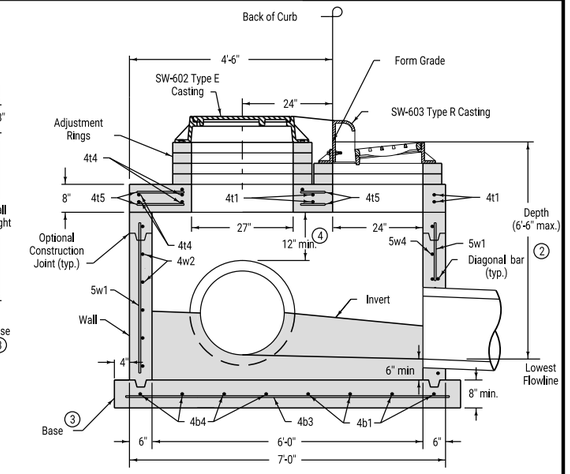
PLAN

MODIFIED STANDARD ROAD PLAN	MODIFIED 01-13-16 SW-506 SHEET 1 of 2
MODIFICATIONS: Modified for Triple Intake.	
RUDAS DIRECTOR	DESIGN METHODS ENGINEER
TRIPLE GRATE INTAKE WITH MANHOLE	

FIGURE 6010.506.1 SHEET 1 OF 2



SECTION A-A



SECTION B-B

REINFORCING BAR LIST

Mark	Size	Location	Shape	Count	Length	Spacing
4t1	4	Top	——	4	11'-0"	See Detail
4t2	4	Top	——	4	6'-8"	See Detail
4t3	4	Top	——	8	2'-8"	See Detail
4t4	4	Top	——	8	3'-8"	12"
4t5	4	Top	——	6	4'-2"	12"
4b1	4	Base	——	4	11'-6"	12"
4b2	4	Base	——	8	3'-2"	12"
4b3	4	Base	——	5	7'-2"	12"
4b4	4	Base	——	4	4'-2"	12"
5w1	5	Walls	——	37	Wall Height minus 4"	12"
4w2	4	Wall 2	——	Varies	3'-8"	8"
4w3	4	Wall 1	——	Varies	4'-2"	8"
5w4	5	Wall 4	——	Varies	11'-0"	8"
4w5	4	Wall 5	——	Varies	2'-8"	8"
4w6	4	Wall 6	——	Varies	3'-10"	8"

2. Install four #4 diagonal bars at manhole opening and at all pipe openings.
3. Cast-in-place base shown. If base is precast integral with walls, the footprint of base is not required to extend beyond the outer edge of the walls.
4. 12 inch minimum wall height above all pipes.

MODIFIED STANDARD ROAD PLAN	MODIFIED 01-13-16 SW-506 SHEET 2 of 2
MODIFICATIONS: Modified for Triple Intake.	
RUDAS DIRECTOR	DESIGN METHODS ENGINEER
TRIPLE GRATE INTAKE WITH MANHOLE	

FIGURE 6010.506.1 SHEET 2 OF 2

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: C.CARPER CHECKED BY: C.CARPER DRAWN BY: C. LASTNAME
LETTING DATE: 11/15/2022 CAD DATE: 8/31/2022 3:23:23 PM
CAD FILE: c:\pw_workdir\pw_ie\mjf5\d0518375\0021C017.02_B01_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

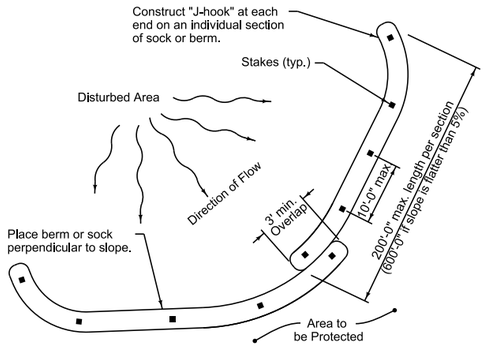
Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

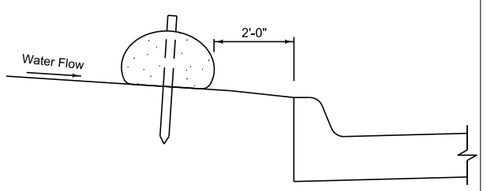
TYPICAL SECTIONS AND DETAILS

SHEET NO.
B.14
STBG-SWAP-1185(657)

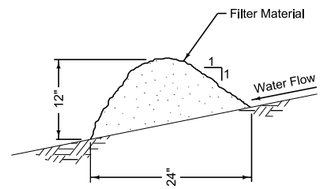
pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Falls IA C\Main Street Reconstruction\CAD\Plans\0021C017.02_B01_SHT



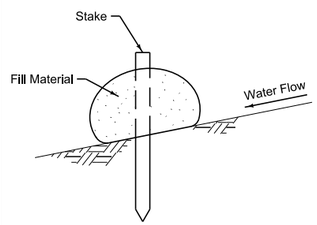
PLAN VIEW OF SLOPE
(for sediment and slope control)



SECTION VIEW AT STREET
(for perimeter control along street)



FILTER BERM



FILTER SOCK

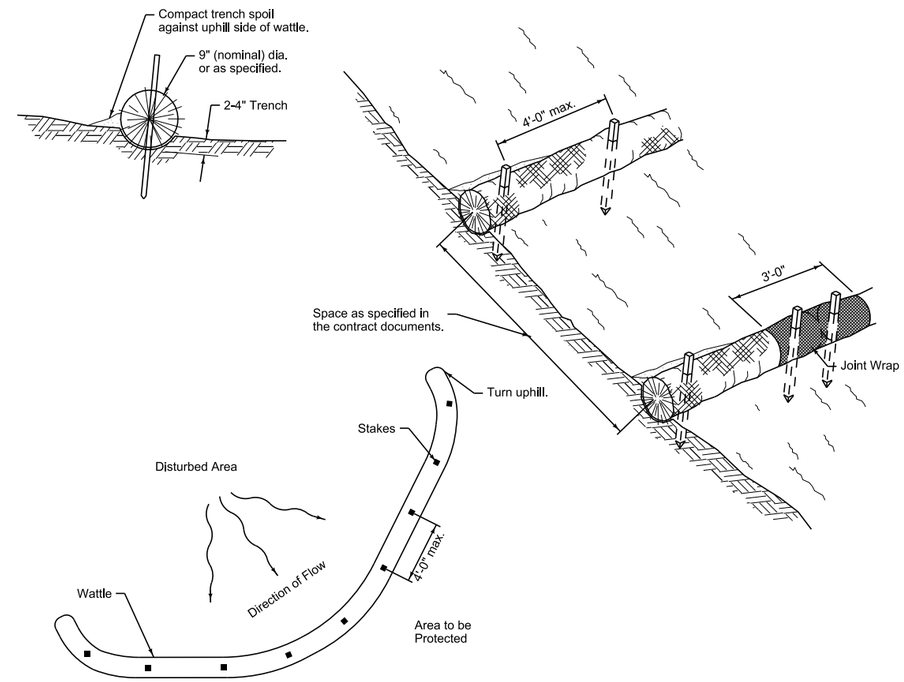
TYPICAL PLACEMENT OF BERM OR SOCK

Berm shown is typical for slopes flatter than 3:1. For steeper slopes, increase berm size as directed by the Engineer.

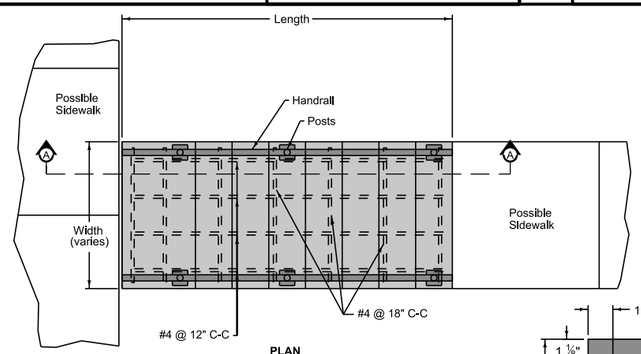
Place berm in uncompacted windrow perpendicular to the slope at locations specified in the contract documents.

Filter sock diameter as specified in the contract documents.

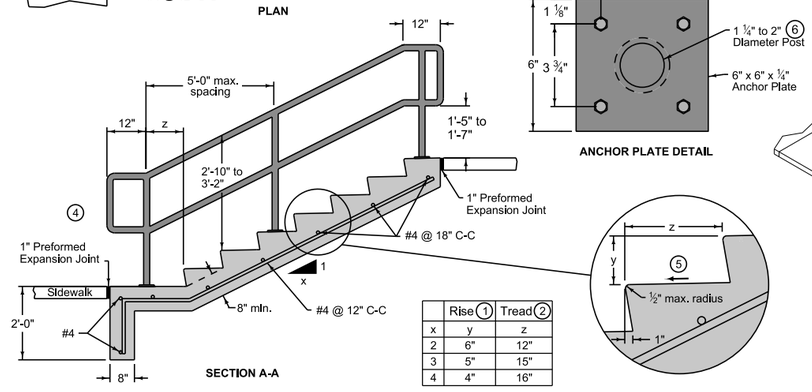
FILTER BERM AND FILTER SOCK



WATTLE

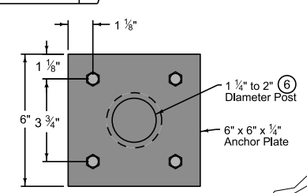


PLAN



SECTION A-A

	Rise 1	Tread 2
x	y	z
2	6"	12"
3	5"	15"
4	4"	16"

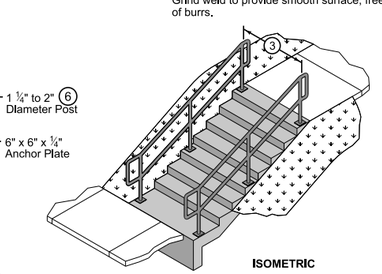


ANCHOR PLATE DETAIL

Provide a minimum of 2 inches of cover for all reinforcing.

Ensure all risers are an equal height and all treads are an equal depth within a flight of stairs.

1. Minimum riser height is 4 inches. Maximum riser height is 7 inches.
2. Minimum tread depth is 11 inches.
3. Match existing sidewalk width.
4. Construct cross slope of landing to match adjacent sidewalk.
5. Slope tread 1% minimum to 2% maximum in any direction.
6. Weld post to anchor plate with 1/4 inch weld. Grind weld to provide smooth surface, free of burrs.



ISOMETRIC

TYPE A CONCRETE STEPS WITH HANDRAIL

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: C.CARPER	CHECKED BY: C.CARPER	DRAWN BY: C. LASTNAME	
LETTING DATE: 11/15/2022	CAD DATE: 8/31/2022		3:23:24 PM
CAD FILE: c:\pw_workdir\pw_ie\mjf5\d0518375\0021C017.02_B01_SHT.dgn			

NO	DATE	BY	REVISION DESCRIPTION

Foth

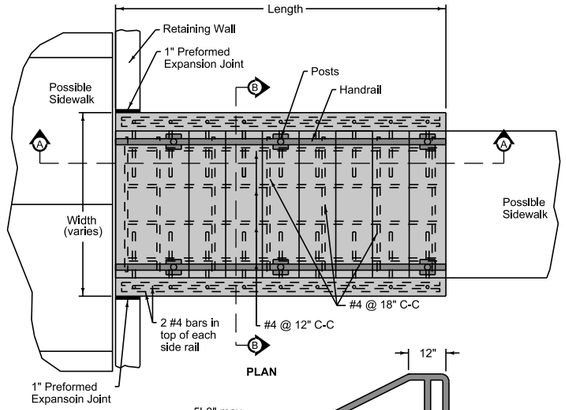
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

TYPICAL SECTIONS AND DETAILS

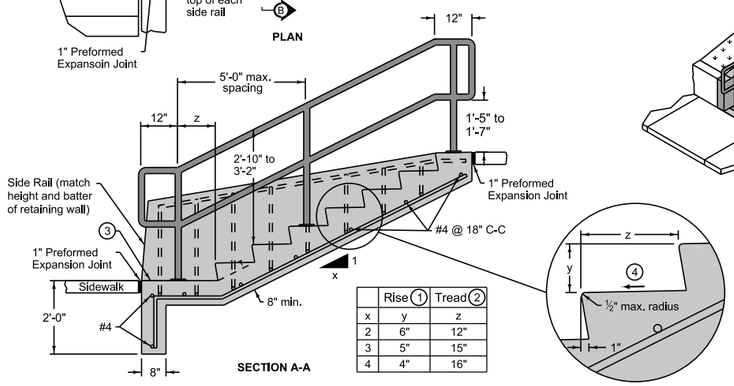
SHEET NO.
B.15

STBG-SWAP-1185(657

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Falls IA C\Main Street Reconstruction\CAD\Plans\0021C017.02_B01_SHT

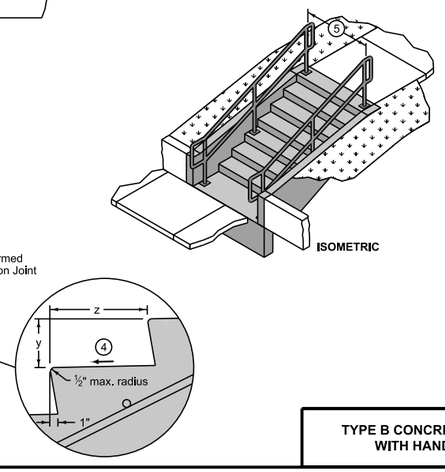


PLAN



SECTION A-A

	Rise (1)	Tread (2)
x	y	z
2	6"	12"
3	5"	15"
4	4"	16"



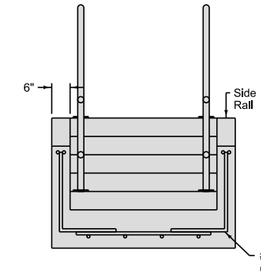
ISOMETRIC

Provide a minimum of 2 inches of cover for all reinforcing.

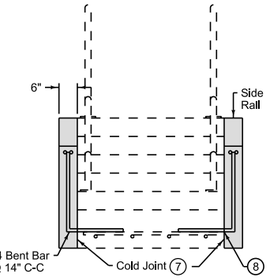
Ensure all risers are an equal height and all treads are an equal depth within a flight of stairs.

1. Minimum riser height is 4 inches. Maximum riser height is 7 inches.
2. Minimum tread depth is 11 inches.
3. Construct cross slope of landing to match adjacent sidewalk.
4. Slope tread 1% minimum to 2% maximum in any direction.
5. Match existing sidewalk width.

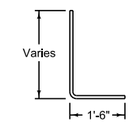
TYPE B CONCRETE STEPS WITH HANDRAIL



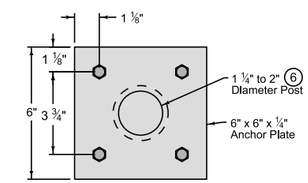
SECTION B-B
(Side Rails and Stairs Formed and Constructed Monolithically)



ALTERNATE SECTION B-B
(Side Rails and Stairs Formed and Constructed Separately)



BENT BAR



ANCHOR PLATE DETAIL

Provide a minimum of 2 inches of co reinforcing.

Ensure all risers are an equal height and all treads are an equal depth within a flight of stairs.

6. Weld post to anchor plate with 1/4 inch weld. Grind weld to provide smooth surface, free of burrs.
7. Upon approval of Engineer, side rails may be formed and constructed separately from the stairs. Seal the cold joint between the side rail and stairs according to Section 7010.
8. If side rails and stairs are constructed separately, dowel bar substitutes may be used for the bent bars connections between the side rails and the stairs.

TYPE B CONCRETE STEPS WITH HANDRAIL

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: C.CARPER CHECKED BY: C.CARPER DRAWN BY: C. LASTNAME
LETTING DATE: 11/15/2022 CAD DATE: 8/31/2022 3:23:24 PM
CAD FILE: c:\pw_workdir\pw_ie\mjf5\d0518375\0021C017.02_B01_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

TYPICAL SECTIONS AND DETAILS

SHEET NO.
B.16
STBG-SWAP-1185(657

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Falls IA C/Main Street Reconstruction/CAD/Plans/0021C017.02_B01_SHT

100
04-17-12

ESTIMATED PROJECT QUANTITIES
(UP TO A 5 DIVISION PROJECT)

Division 1: PARTICIPATING
Division 2: NON-PARTICIPATING
Division 3: NON-PARTICIPATING LANDSCAPING

Item No.	Item Code	Item	Unit	Quantities										
				Estimated						As Built				
				Division 1	Division 2	Division 3	Division 4	Division 5	Total	Division 1	Division 2	Division 3	Division 4	Division 5
1	2101-0850002	CLEARING AND GRUBBING	UNIT	1530					1530					
2	2102-2710070	EXCAVATION, CLASS 10, ROADWAY AND BORROW	CY	4031					4031					
3	2102-2710080	EXCAVATION, CLASS 10, UNSUITABLE MATERIAL	CY	2000					2000					
4	2102-2710090	EXCAVATION, CLASS 10, WASTE	CY	25089					25089					
5	2105-8425005	TOPSOIL, FURNISH AND SPREAD	CY	1742					1742					
6	2105-8425015	TOPSOIL, STRIP, SALVAGE AND SPREAD	CY	3818					3818					
7	2107-0425020	COMPACTING BACKFILL ADJACENT TO BRIDGES, CULVERTS OR STRUCTURES	CY	274					274					
8	2109-8225100	SPECIAL COMPACTION OF SUBGRADE	STA	93					93					
9	2115-0100000	MODIFIED SUBBASE, 12 IN	CY	24513					24513					
10	2123-7450020	SHOULDER FINISHING, EARTH	STA	184					184					
11	2213-7100400	RELOCATION OF MAIL BOXES	EACH	1					1					
12	2301-1033060	STANDARD OR SLIP FORM PCC PAVEMENT, CLASS C, CLASS 3 DURABILITY, 6 IN.	SY	1594					1594					
13	2301-1033085	STANDARD OR SLIP FORM PCC PAVEMENT, CLASS C, CLASS 3 DURABILITY, 8.5 IN.	SY	54407					54407					
14	2301-6911722	PORTLAND CEMENT CONCRETE PAVEMENT SAMPLES	LS	1					1					
15	2301-7000110	PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR PCC PAVEMENT THICKNESS (BY SCHEDULE)	EACH	48967					48967					
16	2303-0002380	HOT MIX ASPHALT MIXTURE INTERLAYER BASE COURSE, 3/8 IN. MIX	TON	46					46					
17	2303-1033500	HOT MIX ASPHALT STANDARD TRAFFIC, SURFACE COURSE, 1/2 IN. MI X, NO SPECIAL FRICTIO	TON	19					19					
18	2303-1258283	ASPHALT BINDER, PG 58-28S, STANDARD TRAFFIC	TON	4					4					
19	2304-0100000	DETOUR PAVEMENT	SY	11790					11790					
20	2312-8260051	GRANULAR SURFACING ON ROAD, CLASS A CRUSHED STONE	TON	2886					2886					
21	2316-0000110	PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR PCC PAVEMENT SMOOTHNESS (BY SCHEDULE	EACH	40806					40806					
22	2401-6745356	REMOVAL OF CONCRETE FOOTINGS OF LIGHT POLES	EACH	56					56					
23	2401-6745650	REMOVAL OF EXISTING STRUCTURES	LS	1					1					
24	2401-6745765	REMOVAL OF LIGHT POLES	EACH	56					56					
25	2401-6745910	REMOVAL OF SIGN	EACH	87					87					
26	2401-6750001	REMOVALS, AS PER PLAN	LS	1					1					
27	2402-0425031	GRANULAR BACKFILL	TON	2723					2723					
28	2402-0425040	FLOODED BACKFILL	CY	174					174					
29	2402-2720000	EXCAVATION, CLASS 20	CY	7505					7505					
30	2402-2722000	EXCAVATION, CLASS 22	CY	149					149					
31	2402-3825025	GRANULAR MATERIAL FOR BLANKET	CY	509					509					
32	2403-0100000	STRUCTURAL CONCRETE (MISC)	CY	285.6					285.6					
33	2403-0100020	STRUCTURAL CONCRETE (RCB)	CY	1447.8					1447.8					
34	2404-7775000	REINFORCING STEEL	LB	274210					274210					
35	2414-6444100	STEEL PIPE PEDESTRIAN HAND RAILING	LF	250					250					
36	2414-6460000	ORNAMENTAL METAL RAILING	LF	454					454					
37	2415-2110804	PRECAST CONCRETE BOX CULVERT, 8 FT. X 4 FT.	LF	235					235					
38	2415-2200804	PRECAST CONCRETE BOX CULVERT, STRAIGHT END SECTION, 8 FT. X 4 FT.	EACH	1					1					
39	2416-0100024	APRONS, CONCRETE, 24 IN. DIA.	EACH	1					1					
40	2430-0000100	MODULAR BLOCK RETAINING WALL	SF	148					148					
41	2435-0130148	MANHOLE, SANITARY SEWER, SW-301, 48 IN.	EACH	27					27					
42	2435-0140148	MANHOLE, STORM SEWER, SW-401, 48 IN.	EACH	6					6					
43	2435-0140160	MANHOLE, STORM SEWER, SW-401, 60 IN.	EACH	3					3					
44	2435-0140200	MANHOLE, STORM SEWER, SW-402, 6 X 6	EACH	1					1					
45	2435-0250248	INTAKE, SW-502, 48 IN.	EACH	1					1					
46	2435-0250260	INTAKE, SW-502, 60 IN.	EACH	5					5					
47	2435-0250272	INTAKE, SW-502, 72 IN.	EACH	1					1					
48	2435-0250284	INTAKE, SW-502, 84 IN.	EACH	1					1					
49	2435-0250500	INTAKE, SW-505	EACH	5					5					
50	2435-0250510	INTAKE, SW-505 MODIFIED TRIPLE	EACH	5					5					
51	2435-0250600	INTAKE, SW-506	EACH	2					2					
52	2435-0250610	INTAKE, SW-506 MODIFIED TRIPLE	EACH	2					2					
53	2435-0250700	INTAKE, SW-507	EACH	28					28					
54	2435-0250800	INTAKE, SW-508	EACH	2					2					
55	2435-0250900	INTAKE, SW-509	EACH	48					48					
56	2435-0250914	INTAKE, SW-509 MODIFIED, TOP ONLY	EACH	2					2					
57	2435-0251000	INTAKE, SW-510	EACH	4					4					
58	2435-0254100	INTAKE, SW-541	EACH	2					2					
59	2435-0254200	INTAKE, SW-542	EACH	5					5					
60	2435-0400308	INTERNAL DROP CONNECTION, SW-308	EACH	1					1					
61	2435-0600010	MANHOLE ADJUSTMENT, MINOR	EACH	7					7					
62	2435-0600020	MANHOLE ADJUSTMENT, MAJOR	EACH	1					1					
63	2435-0700020	CONNECTION TO EXISTING INTAKE	EACH	5					5					
64	2502-8212036	SUBDRAIN, LONGITUDINAL, (SHOULDER) 6 IN. DIA.	LF	10698					10698					
65	2502-8221303	SUBDRAIN OUTLET, DR-303	EACH	142					142					
66	2503-0111015	STORM SEWER GRAVITY MAIN, TRENCHED, HIGH DENSITY POLYETHYLEN E PIPE (HDPE), 15 IN.	LF	1301					1301					
67	2503-0111018	STORM SEWER GRAVITY MAIN, TRENCHED, HIGH DENSITY POLYETHYLEN E PIPE (HDPE), 18 IN.	LF	414					414					
68	2503-0111024	STORM SEWER GRAVITY MAIN, TRENCHED, HIGH DENSITY POLYETHYLEN E PIPE (HDPE), 24 IN.	LF	1135					1135					
69	2503-0111030	STORM SEWER GRAVITY MAIN, TRENCHED, HIGH DENSITY POLYETHYLEN E PIPE (HDPE), 30 IN.	LF	802					802					
70	2503-0111036	STORM SEWER GRAVITY MAIN, TRENCHED, HIGH DENSITY POLYETHYLEN E PIPE (HDPE), 36 IN.	LF	159					159					
71	2503-0114212	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 12 IN.	LF	15					15					
72	2503-0114215	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 15 IN.	LF	2775					2775					
73	2503-0114218	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 18 IN.	LF	1146					1146					
74	2503-0114224	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 24 IN.	LF	1303					1303					
75	2503-0114230	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 30 IN.	LF	450					450					
76	2503-0114236	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 36 IN.	LF	671					671					

ESTIMATED PROJECT QUANTITIES
(UP TO A 5 DIVISION PROJECT)

Division 1: PARTICIPATING
Division 2: NON-PARTICIPATING
Division 3: NON-PARTICIPATING LANDSCAPING

Item No.	Item Code	Item	Unit	Quantities										
				Estimated						As Built				
				Division 1	Division 2	Division 3	Division 4	Division 5	Total	Division 1	Division 2	Division 3	Division 4	Division 5
77	2503-0114242	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 42 IN.	LF	11					11					
78	2503-0200036	REMOVE STORM SEWER PIPE LESS THAN OR EQUAL TO 36 IN.	LF	4579					4579					
79	2503-0200136	REMOVE STORM SEWER PIPE GREATER THAN 36 IN.	LF	147					147					
80	2503-0200341	STORM SEWER ABANDONMENT, FILL AND PLUG, LESS THAN OR EQUAL T O 36 IN. DIA.	LF	41					41					
81	2504-0112227	SANITARY SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 27 IN.	LF	103					103					
82	2504-0114008	SANITARY SEWER GRAVITY MAIN, TRENCHED, PVC, 8 IN., TRUSS	LF	1563					1563					
83	2504-0114010	SANITARY SEWER GRAVITY MAIN, TRENCHED, PVC, 10 IN., TRUSS	LF	126					126					
84	2504-0114012	SANITARY SEWER GRAVITY MAIN, TRENCHED, PVC, 12 IN., TRUSS	LF	383					383					
85	2504-0114015	SANITARY SEWER GRAVITY MAIN, TRENCHED, PVC, 15 IN., TRUSS	LF	5027					5027					
86	2504-0134008	SANITARY SEWER GRAVITY MAIN WITH CASING PIPE, TRENCHED, PVC, 8 IN., TRUSS	LF	30					30					
87	2504-0200404	SANITARY SEWER SERVICE STUB, POLYVINYL CHLORIDE PIPE (PVC), 4 IN.	LF	4493					4493					
88	2504-0240036	REMOVE SANITARY SEWER PIPE LESS THAN OR EQUAL TO 36 IN.	LF	6846					6846					
89	2505-4008300	STEEL BEAM GUARDRAIL	LF	128					128					
90	2507-3250005	ENGINEERING FABRIC	SY	1023					1023					
91	2507-4011100	CONCRETE GROUT FOR REVETMENT OF GABION	CY	36					36					
92	2507-6800061	REVETMENT, CLASS E	TON	1040					1040					
93	2510-6745850	REMOVAL OF PAVEMENT	SY	70195					70195					
94	2510-6750600	REMOVAL OF INTAKE AND UTILITY ACCESS	EACH	115					115					
95	2511-6745900	REMOVAL OF SIDEWALK	SY	8291					8291					
96	2511-7526004	SIDEWALK, PCC, 4 IN.	SY	9624					9624					
97	2511-7526006	SIDEWALK, PCC, 6 IN.	SY	1392					1392					
98	2511-7528101	DETECTABLE WARNING	SF	2100					2100					
99	2512-1725206	CURB AND GUTTER, P.C. CONCRETE, 2.0 FT.	LF	288					288					
100	2512-1859000	CURB, SPECIAL, AS PER PLAN	LF	447					447					
101	2515-2475006	DRIVEWAY, PCC, 6 IN.	SY	4226					4226					
102	2515-6745600	REMOVAL OF PAVED DRIVEWAY	SY	5261					5261					
103	2516-8625000	COMBINED CONCRETE SIDEWALK AND RETAINING WALL	CY	316					316					
104	2519-4200090	REMOVAL AND REINSTALLATION OF FENCE, WOOD	LF	47					47					
105	2520-3350015	FIELD OFFICE	EACH	1					1					
106	2523-0000100	LIGHTING POLES	EACH	84					84					
107	2523-0000200	ELECTRICAL CIRCUITS	LF	14170					14170					
108	2523-0000310	HANDHOLE AND JUNCTION BOX	EACH	9					9					
109	2524-6765010	REMOVE AND REINSTALL SIGN AS PER PLAN	EACH	13					13					
110	2524-9276010	PERFORATED SQUARE STEEL TUBE POSTS	LF	1320					1320					
111	2524-9276021	PERFORATED SQUARE STEEL TUBE POST ANCHOR, BREAK-AWAY SOIL IN STALLATION	EACH	109					109					
112	2524-9276024	PERFORATED SQUARE STEEL TUBE POST ANCHOR, BREAK-AWAY CONCRET E INSTALLATION	EACH	24					24					
113	2524-9325001	TYPE A SIGNS, SHEET ALUMINUM	SF	1176					1176					
114	2525-0000100	TRAFFIC SIGNALIZATION	LS	1					1					
115	2525-0000120	REMOVAL OF TRAFFIC SIGNALIZATION	LS	1					1					
116	2526-8285000	CONSTRUCTION SURVEY	LS	1					1					
117	2527-9263109	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	STA	620.3					620.3					
118	2527-9263131	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS	STA	180.6					180.6					
119	2527-9263137	PAINTED SYMBOLS AND LEGENDS, WATERBORNE OR SOLVENT-BASED	EACH	180					180					
120	2527-9263180	PAVEMENT MARKINGS REMOVED	STA	238.6					238.6					
121	2528-2518000	SAFETY CLOSURES	EACH	56					56					
122	2528-5160000	NO EXCUSE ROAD OPENING BONUS, SITE ID 01, 11/15/2023	LS		1				1					
123	2528-5160000	NO EXCUSE ROAD OPENING BONUS, SITE ID 02, 11/15/2024	LS		1				1					
124	2528-8400048	TEMPORARY BARRIER RAIL, CONCRETE	LF	12750					12750					
125	2528-8400256	TEMPORARY TRAFFIC SIGNALS	EACH	8					8					
126	2528-8445110	TRAFFIC CONTROL	LS	1					1					
127	2528-9290050	PORTABLE DYNAMIC MESSAGE SIGN (PDMS)	CDAY	112					112					
128	2533-4980005	MOBILIZATION	LS	1					1					
129	2552-0000300	TRENCH COMPACTION TESTING	LS	1					1					
130	2554-0112004	WATER MAIN, TRENCHED, DIP, CLASS 52, 4 IN.	LF		246				246					
131	2554-0112006	WATER MAIN, TRENCHED, DIP, CLASS 52, 6 IN.	LF		133				133					
132	2554-0112008	WATER MAIN, TRENCHED, DIP, CLASS 52, 8 IN.	LF		1368				1368					
133	2554-0112012	WATER MAIN, TRENCHED, DIP, CLASS 52, 12 IN.	LF		7768				7768					
134	2554-0203000	FITTINGS BY WEIGHT, DUCTILE IRON	LB		13177				13177					
135	2554-0205107	WATER SERVICE STUB, COPPER, 3/4 IN.	LF		2875				2875					
136	2554-0205110	WATER SERVICE STUB, COPPER, 1 IN.	LF		548				548					
137	2554-0205115	WATER SERVICE STUB, COPPER, 1 1/2 IN.	LF		317				317					
138	2554-0205600	WATER SERVICE CURB STOP AND BOX	EACH		114				114					
139	2554-0207004	VALVE, GATE, DIP, 4 IN.	EACH		5				5					
140	2554-0207008	VALVE, GATE, DIP, 8 IN.	EACH		19				19					
141	2554-0207012	VALVE, GATE, DIP, 12 IN.	EACH		26				26					
142	2554-0210201	FIRE HYDRANT ASSEMBLY, WM-201	EACH		26				26					
143	2554-0210205	FIRE HYDRANT ASSEMBLY REMOVAL	EACH		14				14					
144	2554-0212050	VALVE BOX REMOVAL	EACH		42				42					
145	2555-0000010	DELIVER AND STOCKPILE SALVAGED MATERIALS	LS		1				1					
146	2599-9999003	CONCRETE STEPS, CAST-IN-PLACE	CY	62					62					
147	2599-9999003	LANDSCAPING, PLANTING SOIL	CY			74			74					
148	2599-9999005	GASKET, FIELD LOK, WATER MAIN, 12 IN	EACH		59				59					
149	2599-9999005	GASKET, FIELD LOK, WATER MAIN, 4 IN	EACH		3				3					
150	2599-9999005	GASKET, FIELD LOK, WATER MAIN, 6 IN	EACH		1				1					
151	2599-9999005	GASKET, FIELD LOK, WATER MAIN, 8 IN	EACH		22				22					
152	2599-9999005	GASKET, NITRILE, WATER MAIN, 12 IN	EACH		69				69					

ESTIMATED PROJECT QUANTITIES
(UP TO A 5 DIVISION PROJECT)

Division 1: PARTICIPATING
Division 2: NON-PARTICIPATING
Division 3: NON-PARTICIPATING LANDSCAPING

Item No.	Item Code	Item	Unit	Quantities										
				Estimated						As Built				
				Division 1	Division 2	Division 3	Division 4	Division 5	Total	Division 1	Division 2	Division 3	Division 4	Division 5
153	2599-9999005	GASKET, NITRILE, WATER MAIN, 4 IN	EACH		8				8					
154	2599-9999005	GASKET, NITRILE, WATER MAIN, 8 IN	EACH		58				58					
155	2599-9999005	LANDSCAPING, BENCHES	EACH			4			4					
156	2599-9999005	LANDSCAPING, BUS SHELTERS	EACH			4			4					
157	2599-9999005	LANDSCAPING, PLANTS	EACH			213			213					
158	2599-9999005	LANDSCAPING, TRASH RECEPTACLES	EACH			4			4					
159	2599-9999005	LANDSCAPING, TREE GRATES	EACH			7			7					
160	2599-9999005	LIGHTING POLES 14', INSTALL ONLY	EACH		7				7					
161	2599-9999005	LIGHTING POLES 33'-6", INSTALL ONLY	EACH		5				5					
162	2599-9999005	MODIFY STORM SEWER STRUCTURE TOP	EACH	3					3					
163	2599-9999005	SUBDRAIN, CLEANOUTS, 6" PVC, TYPE A-1	EACH	54					54					
164	2599-9999005	TEMPORARY STORM SEWER CONNECTION	EACH	6					6					
165	2599-9999009	REMOVAL OF WATER MAIN	LF		600				600					
166	2599-9999009	WATER MAIN DIP PIPE INSULATION	LF		180				180					
167	2599-9999010	CONCRETE WASHOUT	LS	1					1					
168	2599-9999010	EMERGENCY VEHICLE WARNING BEACON SYSTEM	LS	1					1					
169	2599-9999010	LANDSCAPING, 12TH STREET ROUNDABOUT MASONRY COLUMNS	LS			1			1					
170	2599-9999010	LANDSCAPING, 18TH STREET ROUNDABOUT MASONRY COLUMN	LS			1			1					
171	2599-9999010	LANDSCAPING, ARCHING GATEWAY FEATURE	LS			1			1					
172	2599-9999010	LANDSCAPING, CAST STONE SIGN WALLS	LS			1			1					
173	2599-9999010	LANDSCAPING, SEERLEY BLVD ROUNDABOUT MASONRY COLUMN	LS			1			1					
174	2599-9999010	RECTANGULAR RAPID FLASHING BEACON ASSEMBLY	LS	1					1					
175	2599-9999010	STORM SEWER MANHOLE, S-96, 11 FT. X 11 FT.	LS	1					1					
176	2599-9999010	STORM SEWER MANHOLE, S-97, 11 FT. X 11 FT.	LS	1					1					
177	2599-9999010	STORM SEWER MANHOLE, S-98, 11 FT. X 11 FT.	LS	1					1					
178	2599-9999010	WOODEN STEPS AND PORCH REPAIRS, PARCEL 198	LS	1					1					
179	2599-9999014	LANDSCAPING, PAVERS	SF			22373			22373					
180	2599-9999018	BRICK PAVER, REMOVE AND REINSTALL	SY	17					17					
181	2599-9999020	GRANULAR BEDDING	TON	252					252					
182	2599-9999020	LANDSCAPING, MULCH	TON			36			36					
183	2601-2634150	MULCHING, WOOD CELLULOSE FIBER	ACRE	4.1					4.1					
184	2601-2636044	SEEDING AND FERTILIZING (URBAN)	ACRE	4.1					4.1					
185	2601-2638352	SLOPE PROTECTION, WOOD EXCELSIOR MAT	SQ	336					336					
186	2601-2639010	SODDING	SQ	1417.3					1417.3					
187	2601-2642120	STABILIZING CROP - SEEDING AND FERTILIZING (URBAN)	ACRE	9.69					9.69					
188	2602-0000309	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 9 IN. DIA.	LF	18607					18607					
189	2602-0000351	REMOVAL OF PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE	LF	18607					18607					
190	2602-0000500	OPEN-THROAT CURB INTAKE SEDIMENT FILTER, EC-602	LF	560					560					
191	2602-0000510	MAINTENANCE OF OPEN-THROAT CURB INTAKE SEDIMENT FILTER	EACH	89					89					
192	2602-0000520	REMOVAL OF OPEN-THROAT CURB INTAKE SEDIMENT FILTER	EACH	89					89					
193	2602-0000530	GRATE INTAKE SEDIMENT FILTER BAG	EACH	43					43					
194	2602-0000540	MAINTENANCE OF GRATE INTAKE SEDIMENT FILTER BAG	EACH	43					43					
195	2602-0000550	REMOVAL OF GRATE INTAKE SEDIMENT FILTER BAG	EACH	43					43					
196	2602-0010010	MOBILIZATIONS, EROSION CONTROL	EACH	20					20					
197	2610-0000110	SHRUBS	EACH			45			45					
198	2610-0000120	TREES	EACH			279			279					
199	2610-0000400	WATERING FOR PLANTS	MGAL			60			60					

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
1	2101-0850002	CLEARING AND GRUBBING
		Bid item shall include all equipment, material and labor needed to clear and grub trees and vegetation within
		project limits. Burning will not be allowed. All debris shall be hauled off site and shall be considered
		incidental to this item. Contractor shall verify all removals with Engineer and the City prior to removal.
		Refer to Tabulations 110-17 and I-Sheets for additional information.
2	2102-2710070	EXCAVATION, CLASS 10, ROADWAY AND BORROW
3	2102-2710080	EXCAVATION, CLASS 10, UNSUITABLE MATERIAL
4	2102-2710090	EXCAVATION, CLASS 10, WASTE
		Class 10 Template Cut = 29,083 CY (Does not include topsoil stripping)
		Template Fill = 3,266 CY
		Template Fill w/ 23% Shrink = 4,031 CY
		Excess Material = 25,089 CY (Template cut minus fill w/ shrink)
		Unsuitable Cut = 2,000 CY (Contigency for unsuitable materials encountered during construction)
		Refer to the T-Sheets for Tabulation 107-28. The earthwork quantities for the roundabout intersections
		(non-typical) determined cut/fill quantities by comparing existing and proposed 3D terrains. Existing pavement,
		along with proposed pavement and subbase have been excluded from this quantity.
		Based on construction phasing it is possible that suitable material generated from the template cut may
		need to be stockpiled on-site. Suitable material generated from the template cut may be reimported back to the
		project as necessary. Hauling and stockpiling of suitable material for reincorporation is incidental to the
		Class 10 Roadway and Borrow bid item.
		It will be the contractor responsibility to dispose of unsuitable materials at offsite location.
		Overhaul for disposal of waste soils will not be measured or paid for but shall be considered incidental
		to bid item.
5	2105-8425005	TOPSOIL, FURNISH AND SPREAD
6	2105-8425015	TOPSOIL, STRIP, SALVAGE AND SPREAD
		Topsoil Stripping, 6" = 3,818 CY
		Topsoil Placement, 6" = 4,262 CY
		Topsoil Placement w/ 50% Shrink = 6,399 CY
		Contractor Furnished Topsoil = 1,742 CY (Topsoil cut minus topsoil placement w/ shrink, divided by shrink factor
		Refer to the T-Sheets for Tabulation 107-28. Topsoil stripping depth is estimated to be 6-inches.
		Contractor may stockpile topsoil generated from stripping operations on the project site and may re-use
		topsoil from stripping operations or import material from another source.
7	2107-0425020	COMPACTING BACKFILL ADJACENT TO BRIDGES, CULVERTS OR STRUCTURES
		Refer to V-Sheets for additional information.
8	2109-8225100	SPECIAL COMPACTION OF SUBGRADE
		Refer to typical sections in B-Sheets for additional information.
		Quantity includes area underneath 8.5" PCC pavement plus 3-feet beyond back of curb, under brick pavers, and
		parking lots (PCC and HMA).
9	2115-0100000	MODIFIED SUBBASE, 12 IN
		Refer to typical sections in B-Sheets and Tabulation 100-24 for additional information.
		Quantity includes area underneath 8.5" PCC pavement plus 3-feet beyond back of curb, under brick pavers
		(6" PCC pavement), and parking lots (PCC and HMA).
		Bid item also includes modified subbase under detour pavement plus 2-feet beyond the edge of pavement. Refer
		to C-Sheet tabulation 7000-01 and J-Sheets for additional information. Recycled PCC or RAP material meeting
		Gradation No. 12a or 12b may be used for subbase under temporary pavement with the Engineer's approval.
10	2123-7450020	SHOULDER FINISHING, EARTH
		Refer to typical sections in B-Sheets for additional information.
		Item has been included for earth fill above subgrade adjacent to paved surface or curb and gutter. Volume
		of earth fill is included in the Class 10 Excavation quantity. Each side of the roadway is measured separately.
11	2301-1033060	RELOCATION OF MAIL BOXES
		Included for the mailbox at 2300 Main Street (Parcel 15). Refer to Sheet I.3 for location.
12	2301-1033060	STANDARD OR SLIP FORM PCC PAVEMENT, CLASS C, CLASS 3 DURABILITY, 6 IN.
13	2301-1033085	STANDARD OR SLIP FORM PCC PAVEMENT, CLASS C, CLASS 3 DURABILITY, 8.5 IN.
		Refer to Tabulation 100-24, B-Sheets and L-Sheets for location and information.
		Curb & gutter that is left off for staging purposes is quantified as part of this bid item.
		The 6-inch PCC item is included for placement under the brick pavers within the roadway limits (truck apron and
		splitter islands) and at parking lot areas behind the sidewalk. Refer to the B-Sheets, L-Sheets, and LS-Sheets
		for location and information.
		Bid item includes maturity testing and smoothness testing. Schedule B applies to Main Street.
		At the Contractor's option, the time for opening pavement may be determined through the use of maturity method,
		per Iowa DOT Standard Specifications.

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
		Contractor shall provide Certified Plant Inspection per Iowa DOT Standard Specifications.
14	2301-6911722	PORTLAND CEMENT CONCRETE PAVEMENT SAMPLES
15	2301-7000110	PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR PCC PAVEMENT THICKNESS (BY SCHEDULE)
16	2303-0002380	HOT MIX ASPHALT MIXTURE INTERLAYER BASE COURSE, 3/8 IN. MIX
17	2303-1033500	HOT MIX ASPHALT STANDARD TRAFFIC, SURFACE COURSE, 1/2 IN. MI X, NO SPECIAL FRICTION REQUIREMENT
18	2303-1258283	ASPHALT BINDER, PG 58-28S, STANDARD TRAFFIC
		Bid items included to replace the HMA parking lot on Parcel 11 after construction of the Seerley box culvert.
		Refer sheet L.4 for location and staking information.
		The pavement section shall be 7-inches HMA, 12-inch modified subbase, and 12-inch subgrade preparation. The
		modified subbase and subgrade preparation are quantified and paid for under separate bid items.
		The asphalt section shall be 7-inches; with a 5.0" base course and 2.0" surface course. Contractor shall provide
		Certified Plant Inspection per Iowa DOT Standard Specifications.
19	2304-0100000	DETOUR PAVEMENT
		Contractor shall install a minimum 6-in PCC or HMA pavement section. Refer to J-Sheets for locations and
		Tabulation 7000-01 for additional information.
		Contractor shall be responsible for maintaining a safe roadway surface. Repairs and replacement of failed
		temporary pavement will not be paid for separately.
20	2312-8260051	GRANULAR SURFACING ON ROAD, CLASS A CRUSHED STONE
		Item included for temporary granular surfacing during construction. Refer to J-Sheets for locations:
		- Phase 1, Stage 1 & 2
		- Phase 2, Stage 1 & 2
		- Phase 3, Stage 1
		- Phase 4, Stage 1 & 2
		A minimum 12-inch thickness of granular surfacing shall be placed where indicated in the contract documents.
		Unit price includes a minimum of 6-inch subgrade preparation extending 2-ft beyond edges of granular surfacing.
		Class A Crushed Stone is measured in Tons and the contractor will be paid the contract unit price based
		on the actual quantity of Class A Crushed Stone installed as measured by weight tickets.
21	2316-0000110	PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR PCC PAVEMENT SMOOTHNESS (BY SCHEDULE)
		Schedule B applies to Main Street.
22	2401-6745356	REMOVAL OF CONCRETE FOOTINGS OF LIGHT POLES
		Refer to Tabulation 110-16 for location and details.
23	2401-6745650	REMOVAL OF EXISTING STRUCTURES
		Bid item is for removal of existing box culvert at Seerley Blvd. Refer to I-Sheets and V-Sheets for additional
		information.
24	2401-6745765	REMOVAL OF LIGHT POLES
		Refer to Tabulation 110-16 for location and details. All existing light poles including mast arms and
		luminaires to be removed, salvaged, and delivered to Cedar Falls Utility (CFU), at 1 Utility Parkway,
		Cedar Falls, Iowa.
		Bid item shall include disconnection of electrical service. Abandonment of street lighting conduit includes
		removing the existing circuitry and abondoning the conduit in place.
25	2401-6745910	REMOVAL OF SIGN
		Refer to Tabulation 8000-01 and I-Sheets for locations and additional information.
		Removal of the indicated signs are measured on a count basis per each and the Contractor will be paid the
		contract unit price per each for the actual quantity removed.
26	2401-6750001	REMOVALS, AS PER PLAN
		Refer to the I-Sheets and Tabulation 2010-01 for locations and additional information. Item includes
		removal of existing retaining walls, concrete steps, and other miscellaneous landscaping items.
		This is a lump sum item and no measurement will be made. Payment will be the contract lump sum price.
		Lump sum price includes furnishing all material, equipment, and labor necessary for removals as per plan,
		as indicated in the contract documents.
27	2402-0425031	GRANULAR BACKFILL
28	2402-0425040	FLOODED BACKFILL
29	2402-2720000	EXCAVATION, CLASS 20
30	2402-2722000	EXCAVATION, CLASS 22
31	2402-3825025	GRANULAR MATERIAL FOR BLANKET
32	2403-0100000	STRUCTURAL CONCRETE (MISCELLANEOUS)
33	2403-0100020	STRUCTURAL CONCRETE (RCB)
34	2404-7775000	REINFORCING STEEL
		Refer to V-Sheets for additional information.

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
35	2414-6444100	STEEL PIPE PEDESTRIAN HAND RAILING
		Refer to Tabulation 108-15, B-Sheets, and L-Sheets for additional information.
36	2414-6460000	ORNAMENTAL METAL RAILING
		Refer to V-Sheets for additional information.
37	2415-2110804	PRECAST CONCRETE BOX CULVERT, 8 FT. X 4 FT.
		This item includes furnishing box culvert and appurtenances, handling, excavation, dewatering, installation, granular leveling material, Class II trench backfill, coring for storm sewer connections, concrete collars, and other miscellaneous work.
		Refer to M-sheets and V-sheets for additional information. Refer to M sheets for box culvert locations.
		Compact trenches to a minimum of 95% standard proctor density.
		Use of a trench box will be required for excavation along P-98. Any alternate shoring methods at this location shall not cause vibrations that could damage these properties.
38	2415-2200804	PRECAST CONCRETE BOX CULVERT STRAIGHT END SECTION, 8 FT. X 4 FT.
		This item includes furnishing the end section, handling, excavation, dewatering, installation, granular leveling material.
		Refer to M sheets and V sheets for additional information. Refer to M sheets for end section location.
		Compact trench to a minimum of 95% standard proctor density.
39	2416-0100024	APRONS, CONCRETE, 24 IN. DIA.
		Refer to Tab 104-5B in M-sheets for locations and additional information.
		Bid items include apron guards, apron bedding and footings, and pipe connectors. The last three pipe joints shall be connected.
40	2430-0000100	MODULAR BLOCK RETAINING WALL
		Refer to Sheet U.1 for location and additional information. Included for Parcel 203.
		Item includes excavation, foundation soil preparation, base leveling pad, geogrid, backfill, subdrain, and all other appurtenances to construct the wall.
		Retaining wall blocks shall be split-face, with straight geometry, uniform size 12"x8"x18" (DxHxW), and color to match existing (tan). The Contractor shall submit shop drawings to the City for approval by Engineer.
41	2435-0130148	MANHOLE, SANITARY SEWER, SW-301, 48 IN.
		Refer to MSA-Sheets for location and additional information.
		All sanitary sewer castings shall be stamped to produce raised lettering with "City of Cedar Falls Sanitary Sewer". All sanitary sewer manhole castings shall be SW-601 type A castings.
		Refer to Figure CFD.SS01 in B-Sheets for casting details.
42	2435-0140148	MANHOLE, STORM SEWER, SW-401, 48 IN.
43	2435-0140160	MANHOLE, STORM SEWER, SW-401, 60 IN.
44	2435-0140200	MANHOLE, STORM SEWER, SW-402, 6 X 6
45	2435-0250248	INTAKE, SW-502, 48 IN.
46	2435-0250260	INTAKE, SW-502, 60 IN.
47	2435-0250272	INTAKE, SW-502, 72 IN.
48	2435-0250284	INTAKE, SW-502, 84 IN.
49	2435-0250500	INTAKE, SW-505
50	2435-0250510	INTAKE, SW-505 MODIFIED TRIPLE
51	2435-0250600	INTAKE, SW-506
52	2435-0250610	INTAKE, SW-506 MODIFIED TRIPLE
53	2435-0250700	INTAKE, SW-507
54	2435-0250800	INTAKE, SW-508
55	2435-0250900	INTAKE, SW-509
56	2435-0250914	INTAKE, SW-509 MODIFIED, TOP ONLY
56	2435-0251000	INTAKE, SW-510
58	2435-0254100	INTAKE, SW-541
59	2435-0254200	INTAKE, SW-542
		Refer to B-Sheets and M-Sheets for location and additional information.
		Pre-cast structures will be allowed. All modifications required to pre-cast structures will be considered incidentall to these items. Contractor shall partially install structures as necessary based on staging plans.
		Refer to J-Sheets for additional information on staged storm sewer and structures.
		All storm sewer castings shall be stamped to produce raised lettering with "DUMP NO WASTE-DRAINS TO RIVER" or any similar message ensuring N.P.D.E.S. compliance.
		All storm sewer manhole castings shall be SW-602 type E castings.
60	2435-0400308	INTERNAL DROP CONNECTION, SW-308
		Refer to sheet MSA.1 and MSA.3 for location.
61	2435-0600010	MANHOLE ADJUSTMENT, MINOR
62	2435-0600020	MANHOLE ADJUSTMENT, MAJOR

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
		Refer to Tabulation 4000-01 in C-Sheets for locations.
63	2435-0700020	CONNECTION TO EXISTING INTAKE
		Refer to M-Sheets for tabulation and locations. Connection is for pipes P-56, P-95, P-137, and P-162.
64	2502-8212036	SUBDRAIN, LONGITUDINAL, (SHOULDER) 6 IN. DIA.
		Refer to typical sections and details in B-Sheets and M-Sheets for location and additional information.
		Connections to existing subdrains and temporary outlets/connections required for construction staging shall be considered incidental to this item. Subdrain shall be Type S corrugated exterior and smooth interior meeting the requirements of AASHTO M 252.
65	2502-8221303	SUBDRAIN OUTLET, DR-303
		Refer to the B-Sheet details and Tabulation 104-5C in the M-Sheets for locations.
66	2503-0111015	STORM SEWER GRAVITY MAIN, TRENCHED, HIGH DENSITY POLYETHYLEN E PIPE (HDPE), 15 IN.
67	2503-0111018	STORM SEWER GRAVITY MAIN, TRENCHED, HIGH DENSITY POLYETHYLEN E PIPE (HDPE), 18 IN.
68	2503-0111024	STORM SEWER GRAVITY MAIN, TRENCHED, HIGH DENSITY POLYETHYLEN E PIPE (HDPE), 24 IN.
69	2503-0111030	STORM SEWER GRAVITY MAIN, TRENCHED, HIGH DENSITY POLYETHYLEN E PIPE (HDPE), 30 IN.
70	2503-0111036	STORM SEWER GRAVITY MAIN, TRENCHED, HIGH DENSITY POLYETHYLEN E PIPE (HDPE), 36 IN.
71	2503-0114212	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 12 IN.
72	2503-0114215	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 15 IN.
73	2503-0114218	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 18 IN.
74	2503-0114224	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 24 IN.
75	2503-0114230	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 30 IN.
76	2503-0114236	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 36 IN.
77	2503-0114242	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 42 IN.
		Refer to Tabulation on the M-Sheets for location and additional information.
		Wrap pipe joints with engineering fabric and backfill with granular bedding/backfill material in accordance with Iowa DOT Standard Road Plan SW-102 Class R-2. All storm sewer installed shall be backfilled with granular material meeting Section 4119 specifications (Iowa DOT gradation no. 11). Granular backfill shall be placed up to bottom of subbase elevation. Backfill material will not be paid for separately but shall be considered incidental to the pipe.
		Concrete storm sewer 18" diameter and less shall be bell and spigot joint pipe (tongue and groove will not be allowed).
		HDPE pipe is included for placement in locations outside of the pavement to act as as subdrain in addition to storm sewer conveyance.
		Temporary pipe to be installed in Phase 1 Stage 1 (162' of 15" HDPE), Phase 3 Stage 1 (8' of 24" HDPE), and Phase 4 Stage 2 (13' of 24" HDPE) are quantified under these items.
		Unit price includes all Type C collar connections.
78	2503-0200036	REMOVE STORM SEWER PIPE LESS THAN OR EQUAL TO 36 IN.
79	2503-0200136	REMOVE STORM SEWER PIPE GREATER THAN 36 IN.
		Refer to Tabulations 110-14 and I-Sheets for locations and additional information.
		Removals within paved areas shall be backfilled with Class A road stone and is incidental to this item.
80	2503-0200341	STORM SEWER ABANDONMENT, FILL AND PLUG, LESS THAN OR EQUAL T O 36 IN. DIA.
		Item included for abandonment of existing storm sewer pipe that will remain in place during construction under proposed pavement. Refer to sheet J.62 for location.
81	2504-0112227	SANITARY SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 27 IN.
82	2504-0114008	SANITARY SEWER GRAVITY MAIN, TRENCHED, PVC TRUSS, 8 IN.
83	2504-0114010	SANITARY SEWER GRAVITY MAIN, TRENCHED, PVC TRUSS, 10 IN.
84	2504-0114012	SANITARY SEWER GRAVITY MAIN, TRENCHED, PVC TRUSS, 12 IN.
85	2504-0114015	SANITARY SEWER GRAVITY MAIN, TRENCHED, PVC TRUSS, 15 IN.
86	2504-0134008	SANITARY SEWER GRAVITY MAIN WITH CASING PIPE, TRENCHED, PVC, 8 IN., TRUSS
87	2504-0200404	SANITARY SEWER SERVICE STUB, POLYVINYL CHLORIDE PIPE (PVC), 4 IN.
		Refer to MSA Sheets for tabulation, plan/profile sheets, and additional information. Refer to Tabulation 4010-03 for location of sanitary sewer service stubs.
		Sanitary main with casing is included for the crossing under the proposed 8'x4' box culvert north of 18th Street
88	2504-0240036	REMOVE SANITARY SEWER PIPE LESS THAN OR EQUAL TO 36 IN.
		Refer to I-Sheets and Tabulation 110-14 for locations of sanitary sewer removals.
89	2505-4008300	STEEL BEAM GUARDRAIL
		Bid item included for installation of new guardrail on Parcel 11 after installation of the Seerley Blvd box culvert. Refer to Sheet L.4 for location and additional information.
90	2507-3250005	ENGINEERING FABRIC
		Bid item included for placement under revetment stone at the new Seerley Blvd box culvert. Refer to Sheet RR.2 and V-Sheets for locations and additional information.
91	2507-4011100	CONCRETE GROUT FOR REVETMENT OF GABION
		Refer to Sheet RR.2 and V-Sheets for locations of grouted revetment to be placed at the Seerley Blvd box culvert

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
92	2507-6800061	REVETMENT, CLASS E
		Refer to RR-Sheets for locations of revetment stone to be placed at culverts and at pipe outlets. Refer
		to Sheet M.1 for the storm sewer tabulation showing pipe outlets.
93	2510-6745850	REMOVAL OF PAVEMENT
		Refer to Tabulation 110-1 in C-Sheets and I-Sheets for locations and additional information. Properly dispose
		of all pavement off-site. Quantity includes removal of detour pavement, refer to Tabulation 7000-01.
		Existing pavement thickness varies, refer to the boring logs in the Q-Sheets for additional information.
		Refer to the geotechnical engineering report for additional information.
94	2510-6750600	REMOVAL OF INTAKE AND UTILITY ACCESS
		Refer to I-Sheets for removal locations and Tabulation 110-15.
95	2511-6745900	REMOVAL OF SIDEWALK
		Refer to Tabulation 110-5 in C-Sheets and I-Sheets for locations and additional information.
		Properly dispose of all pavement off-site. Contractor will be responsible for providing additional full-depth
		saw cuts to edges of concrete that have been damaged prior to placement of proposed pavement.
96	2511-7526004	SIDEWALK, P.C. CONCRETE, 4 IN.
97	2511-7526006	SIDEWALK, P.C. CONCRETE, 6 IN.
98	2511-7528101	DETECTABLE WARNINGS
		Refer to Tabulation 113-1A in C-Sheets. Incidental to these itmes is 6" subgrade preparation and any over
		excavating and bedding material needed to stabilize the subgrade prior to construction of sidewalk.
		Refer to L-Sheets and S-Sheets for additionla details.
		Contractor shall provide Certified Plant Inspection per Iowa DOT Standard Specifications.
		Detectable warning devices with truncated dome inserts shall be cast iron and painted brick red.
		Detectable Warnings shall be manufactured by one of the following:
		Deeter Foundry, Inc.
		Pioneer Detectable, LLC
		Neenah Foundary Company
		Tuftile
99	2512-1725206	CURB AND GUTTER, P.C. CONCRETE, 2.0 FT.
		Item included for curb and gutter on W 16th Street adjacent to removed and reinstalled brick pavers. Item also
		includes curb and gutter to be removed and replaced for staging on Seerley Blvd west of Main Street.
		Refer to Sheet L.22, J.30, and J.35 for locations.
		Contractor shall provide Certified Plant Inspection per Iowa DOT Standard Specifications.
100	2512-1859000	CURB, SPECIAL, AS PER PLAN
		This item is included for the 10-IN. beam curb at the back of the truck apron in the roundabout center circles.
		Refer to the B-Sheets for the roundabout typical sections and truck apron details showing the beam curb.
101	2515-2475006	DRIVEWAY, PCC, 6 IN.
		Refer to B-Sheet details and Tabulation 102-3 in C-Sheets. Class C-3 or Class C-4 allowed. Refer to L-Sheets for
		locations and additional information.
		Contractor shall provide Certified Plant Inspection and maturity testing per Iowa DOT Standard Specifications.
102	2515-6745600	REMOVAL OF PAVED DRIVEWAY
		Refer to Tabulation 110-8 and I-Sheets for details and locations. Properly dispose of all pavement off-site.
103	2516-8625000	COMBINED CONCRETE SIDEWALK AND RETAINING WALL
		Refer to Tabulation 108-16, D-Sheets, and L-Sheets for information. Type B wall typical section.
		Connecting subdrain behind wall to roadway subdrain (incidental to bid item).
		Contractor shall provide Certified Plant Inspection per Iowa DOT Standard Specifications.
104	2519-4200090	REMOVAL AND REINSTALLATION OF FENCE, WOOD
		Bid item includes the removal, salvage, and reinstallaton of wood privacy fence on Parcel 56.
		Fence shall be reinstalled 1 foot behind ROW after completion of final grading. Refer to I-Sheets and
		Tabulation 2010-01 for additional information.
105	2520-3350015	FIELD OFFICE
106	2523-0000100	LIGHTING POLES
		Refer to Tabulation 108-1 and P-Sheets for locations and additional information.
		Item includes all types.
107	2523-0000200	ELECTRICAL CIRCUITS
		Refer to Tabulation 108-2, 108-12 and P-Sheets for locations and additional information.
		Light poles shall meet all specifications detailed in P-Sheets.
		Substitutions will not be allowed without approval of Cedar Falls Utility.
108	2523-0000310	HANDHOLE AND JUNCTION BOX
		Refer to P-Sheets for locations and additional information.

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Item No.	Item Code	Description
		Handholes shall be precast concrete composite Type II (30"L, 17"W, 24"D) or Type III (36"L, 24"W, 30"D).
109	2524-6765010	REMOVE AND REINSTALL SIGN AS PER PLAN
		Refer to C-Sheet Tabulation 190-61, I-Sheets, and JM-Sheets for locations and additional information.
		Sign assemblies, footings, and post(s) on which signs are mounted are incidental to this item.
		Each sign assembly, regardless of number of signs or posts per assembly, will be measured as one unit.
		Removal and reinstallation of the indicated signs are measured on a count basis per each and the Contractor
		will be paid the contract unit price per each for the actual quantity removed and reinstalled.
110	2524-9276010	PERFORATED SQUARE STEEL TUBE POSTS
111	2524-9276021	PERFORATED SQUARE STEEL TUBE POST ANCHOR, BREAK-AWAY SOIL INSTALLATION
112	2524-9276024	PERFORATED SQUARE STEEL TUBE POST ANCHOR, BREAK-AWAY CONCRETE INSTALLATION
		Refer to C-Sheet Tabulation 190-51 and JM-Sheets for locations and additional information.
		Break-away concrete anchor posts are for installation of signs in the splitter island medians.
113	2524-9325001	TYPE A SIGNS, SHEET ALUMINUM
		Refer to C-Sheet Tabulation 190-51 and JM-Sheets for locations and additional information.
114	2525-0000120	TRAFFIC SIGNALIZATION
		This item is for the installation of signals as shown in the N-Sheets. Refer to materials on N-Sheets for
		individual items and special provisions for additional details.
115	2525-0000120	REMOVAL OF TRAFFIC SIGNALIZATION
		Item included for removal of existing traffic signals at the intersections of 6th Street, 12th Street,
		18th Street, and Seerley Blvd. Refer to Tabulation 2010-01 and the N-Sheets for additional information.
116	2526-8285000	CONSTRUCTION SURVEY
		Refer to control point and alignment tabulation in G-Sheets.
		Lump sum price for Construction Survey shall include staking of right-of-way and easements shown in H-Sheets,
		removal limits, grade check surveys for subgrade and modified subbase, as-built survey of water main location
		prior to backfilling, and reestablishing of existing property pins disturbed during construction.
117	2527-9263109	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED
		Refer to Tabulation 108-22 and 108-22A in the C-Sheets, J-Sheets, and JM-Sheets for locations and types of
		markings.
118	2527-9263131	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS
		Bid item included for temporary pavement markings to be installed during construction on permanent pavement.
		Refer to Tabulation 108-22A in C-Sheets and J-Sheets for locations and types of markings.
		This item also includes the removal of the temporary pavement markings.
119	2527-9263137	PAINTED SYMBOLS AND LEGENDS, WATERBORNE OR SOLVENT-BASED
		Refer to Tabulation 108-29 in C-Sheets and JM-Sheets for locations and types of symbols.
120	2527-9263180	PAVEMENT MARKINGS REMOVED
		Refer to Tabulation 108-22B in C-Sheets and J-Sheets for locations and additional information.
121	2528-2518000	SAFETY CLOSURES
		Refer to Tabulation 108-13A in C-Sheets and J-Sheets for location of closures.
122	2528-5160000	NO EXCUSE ROAD OPENING BONUS, SITE ID 01, 11/15/2023
		There is a no excuse road opening bonus of $215,000 for final completion of Phase 1 and Phase 2 and all
		lanes are open to traffic on or before 11/15/2023.
		Refer to Sheet J.1 for additional information.
123	2528-5160000	NO EXCUSE ROAD OPENING BONUS, SITE ID 02, 11/15/2024
		There is a no excuse road opening bonus of $215,000 for final completion of Phase 3 and Phase 4 and all
		lanes are open to traffic on or before 11/15/2024.
		Refer to Sheet J.1 for additional information.
124	2528-8400048	TEMPORARY BARRIER RAIL, CONCRETE
		Refer to Tabulation 108-33 and J-Sheets for location of temporary barrier rail.
		TBR quantified is the total required for all construction stages. Not all TBR will be required or allowed to
		be placed all at once. The same TBR can be used on multiple stages. Removal, stockpiling, and reinstalling
		shall be considered incidental to this item.
125	2528-8400256	TEMPORARY TRAFFIC SIGNALS
		Refer to Tabulation 108-28 and J-Sheets for locations and additional information. Temporary signals will be
		required at Seerley Blvd (Phase 1), 12th Street (Phase 3), and 18th Street (Phase 4). All temporary signals
		will be trailer mounted systems except for the temporary signal in Phase 1 Stage 1 & 2, which will be span
		wire. Temporary trailer mounted signals may need to be moved andadjusted depending on the stage.
126	2528-8445110	TRAFFIC CONTROL

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
		Refer to J-Sheets for staging and traffic control details.
		Includes all traffic control and equipment necessary to maintain traffic in accordance with the Manual on Uniform Traffic Control Devices for Streets and Highways, as adopted by the Department per 761 of the Iowa Administrative Code (IAC), Chapter 130.
		A written traffic control plan shall be submitted to the Engineer for review before work begins. Signed detour routes will be required for all road closures. Additional closures necessary to accommodate changes to construction staging shall be incidental to the traffic control item.
127	2528-9290050	PORTABLE DYNAMIC MESSAGE SIGN (PDMS)
		Refer to the staging notes in the J-Sheets for additional information.
		Item includes use of signs at 8 locations for a duration of 14 days each.
128	2533-4980005	MOBILIZATION
129	2552-0000300	TRENCH COMPACTION TESTING
130	2554-0112004	WATER MAIN, TRENCHED, DIP, CLASS 52, 4 IN.
131	2554-0112006	WATER MAIN, TRENCHED, DIP, CLASS 52, 6 IN.
132	2554-0112008	WATER MAIN, TRENCHED, DIP, CLASS 52, 8 IN.
133	2554-0112012	WATER MAIN, TRENCHED, DIP, CLASS 52, 12 IN.
		Refer to Tabulation 5010-01 and MWM-Sheets for locations and additional information.
		All temporary fittings, vales, caps, testing ports, and blow-off hydrants utilized to install and test water main as necessary for construction staging shall be considered incidental to these items.
		All ductile iron pipe, fittings, valves and hydrant leads shall be wrapped in polyethylene encasement.
		Contractor shall coordinate all pressure testing and disinfection with Cedar Falls Utility.
134	2554-0203000	FITTINGS BY WEIGHT, DUCTILE IRON
		Refer to Tabulation 5010-02 and MWM-Sheets for locations and additional information.
		All joints shall be MJ with Joint Restraint Gaskets.
135	2554-0205107	WATER SERVICE STUB, COPPER, 3/4 IN.
136	2554-0205110	WATER SERVICE STUB, COPPER, 1 IN.
137	2554-0205115	WATER SERVICE STUB, COPPER, 1 1/2 IN.
138	2554-0205600	WATER SERVICE CURB STOP AND BOX
		Refer to Tabulation 5010-03 and MWM-Sheets for locations and additional information.
139	2554-0207004	VALVE, GATE, DIP, 4 IN.
140	2554-0207008	VALVE, GATE, DIP, 8 IN.
141	2554-0207012	VALVE, GATE, DIP, 12 IN.
		Refer to Tabulation 5020-01 and MWM-Sheets for locations and additional information.
142	2554-0210201	FIRE HYDRANT ASSEMBLY, WM-201
		Refer to Tabulation 5020-02 and MWM-Sheets for locations and additional information.
143	2554-0210205	FIRE HYDRANT ASSEMBLY REMOVAL
144	2554-0212050	VALVE BOX REMOVAL
		Refer to Tabulation 5020-03 and I-Sheets for locations and additional information.
145	2555-0000010	DELIVER AND STOCKPILE SALVAGED MATERIALS
		This items has been included for existing light poles traffic signal equipment to be salvaged for CFU.
		Deliver salvaged material to Cedar Falls Utility (CFU), at 1 Utility Parkway, Cedar Falls, IA.
		Refer to Tabulation 2010-01 for traffic signal equipment and Tabulation 110-16 for light poles.
146	2599-9999003	CONCRETE STEPS, CAST-IN-PLACE
		Refer to Tabulation 108-15, B-Sheets, and L-Sheets for additional information.
		Cast-in-place steps are measured per cubic yard and the Contractor will be paid the contract unit price per cubic yard based on the plan quantity. This shall be considered full compensation for furnishing all materials, equipment and labor for the installation of steps in accordance with the contract documents.
		Type B concrete steps with combined retaining wall include the quantity of the walls along the steps.
		Contractor shall provide Certified Plant Inspection per Iowa DOT Standard Specifications.
147	2599-9999003	PLANTING SOIL
		Amended topsoil (8" depth) for the palnting areas located inside the center of the roundabouts.
		Refer to LS sheets and special provisions for additional information.
148	2599-9999005	GASKET, FIELD LOK, WATER MAIN, 12 IN
149	2599-9999005	GASKET, FIELD LOK, WATER MAIN, 4 IN
150	2599-9999005	GASKET, FIELD LOK, WATER MAIN, 6 IN
151	2599-9999005	GASKET, FIELD LOK, WATER MAIN, 8 IN
152	2599-9999005	GASKET, NITRILE, WATER MAIN, 12 IN
153	2599-9999005	GASKET, NITRILE, WATER MAIN, 4 IN
154	2599-9999005	GASKET, NITRILE, WATER MAIN, 8 IN
		Refer to Tabulation 5010-01 in C-Sheets, B-Sheets, and MWM-Sheets for additional information.

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
		Field Lok and Nitrile gaskets are measured on a count basis per each and the Contractor will be paid the contract unit price per each based on the actual quantity installed measured by the Engineer. This shall be considered full compensation for furnishing all materials, equipment and labor for the installation of water main gaskets in accordance with the contract documents. Quantity based on installing gaskets on 18' pipe lengths and fitting joints.
		Locations to be field verified by Engineer.
		Gaskets to be installed per manufacturer's specifications at pipe joints in locations where restrained joints are required. Quantity based on installing special gaskets on 20' pipe lengths.
155	2599-9999005	LANDSCAPING, BENCHES
		Refer to the LS-Sheets and Landscaping special provision for additional information. This item has been included for installation of benches at the bus shelter locations shown in the plans.
		Benches are measured on a count basis per each and the Contractor will be paid the contract unit price per each based on the plan quantity. This shall be considered full compensation for furnishing all materials, equipment and labor for the installation of the benches in accordance with the contract documents.
156	2599-9999005	LANDSCAPING, BUS SHELTERS
		Refer to the LS-Sheets and Landscaping special provision for additional information. This item has been included for installation of bus shelters at the bus stop locations shown in the plans.
		Bus shelters are measured on a count basis per each and the Contractor will be paid the contract unit price per each based on the plan quantity. This shall be considered full compensation for furnishing all materials, equipment and labor for the installation of the bus shelters in accordance with the contract documents.
157	2599-9999005	LANDSCAPING, PLANTS
		Refer to the LS-Sheets and Landscaping special provision for additional information. This item has been included for installation of plants/flowers per LS sheets and the special provisions for landscaping.
		Plants are measured on a count basis per each and the Contractor will be paid the contract unit price per each plant/flower planted as measured in the field by the engineer. This shall be considered full compensation for furnishing all materials, equipment and labor for the installation of the bus shelters in accordance with the contract documents.
158	2599-9999005	LANDSCAPING, TRASH RECEPTACLES
		Refer to the LS-Sheets and Landscaping special provision for additional information. This item has been included for installation of trash receptacles at the bus shelter locations shown in the plans.
		Trash receptacles are measured on a count basis per each and the Contractor will be paid the contract unit price per each based on the plan quantity. This shall be considered full compensation for furnishing all materials, equipment and labor for the installation of the benches in accordance with the contract documents.
159	2599-9999005	LANDSCAPING, TREE GRATES
		Refer to the LS-Sheets and Landscaping special provision for additional information. This item has been included for installation of tree grates for trees planted in the streetscape between 6th St and 7th S as shown in the plans.
		Tree grates are measured on a count basis per each and the Contractor will be paid the contract unit price per each based on the plan quantity. This shall be considered full compensation for furnishing all materials, equipment and labor for the installation of the tree grates in accordance with the contract documents.
160	2599-9999005	LIGHTING POLES 14', INSTALL ONLY
		Refer to Tabulation 108-1 and P-Sheets for locations and additional information.
		The Specialty 14' light poles installed are measured on a count basis per each and the Contractor will be paid the contract unit price per each based on the plan quantity. This shall be considered full compensation for all equipment and labor for the installation of the light poles in accordance with the contract documents.
		Specialty light poles located between 6th Street and 7th Street will be provided by Cedar Falls Utility.
		Contractor to install furnished light poles. Refer to Special Provision.
161	2599-9999005	LIGHTING POLES 33'-6", INSTALL ONLY
		Refer to Tabulation 108-1 and P-Sheets for locations and additional information.
		The 33'-6" light poles located at the south end of the project south of Seerley Blvd are measured on a count basis per each and the Contractor will be paid the contract unit price per each based on the plan quantity. This shall be considered full compensation for all equipment and labor for the installation of the light poles in accordance with the contract documents.
		The 33'-6" light poles located south of Seerley Blve will be provided by Cedar Falls Utility.
		Contractor to install furnished light poles. Refer to Special Provision.
162	2599-9999005	MODIFY STORM SEWER STRUCTURE TOP
		This item has been included for modifications to existing storm sewer structure tops and temporary steel covers over proposed storm sewer structures that in in detour pavement. Refer to the following J-sheets for locations of storm sewer structure top modifications: J.15, J.50, J.75
		These structure top modifications are measured on a count basis per each and the Contractor will be paid the contract unit price per each structure top modification made during construction required to maintain

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
		drainage and/or traffic movements. This shall beconsidered full compensation for furnishing all materials, equipment and labor for the construction of the storm sewer structure top modifications in accordance with the contract documents.
163	2599-9999005	SUBDRAIN, CLEANOUTS, 6" PVC, TYPE A-1 Refer to M-Sheets for longitudinal subdrain tabulation and locations and B-Sheets for cleanout details. Subdrain cleanouts are measured on a count basis per each and the Contractor will be paid the contract unit price per each based on the plan quantity. This shall be considered full compensation for furnishing all materials, equipment and labor for the installation of subdrain cleanouts in accordance with the contract documents.
164	2599-9999005	TEMPORARY STORM SEWER CONNECTION This item has been included for the temporary storm sewer connections required to maintain drainage of the existing storm sewer system during construction. Refer to the following J-sheets for locations of temporary connections: J.15, J.50, J.54, J.62, J.75, and J.83. These connections are measured on a count basis per each and the Contractor will be paid the contract unit price per each temporary connection made during construction required to maintain drainage. This shall be considered full compensation for furnishing all materials, equipment and labor for the construction of the temporary storm sewer connections in accordance with the contract documents.
165	2599-9999009	REMOVAL OF WATERMAIN Refer to Tabulation 5010-04 for locations and additonal information. Water main removal is measured in lineal feet and the Contractor will be paid the contract unit per lineal feet removed based on the actual quantity as measured by the Engineer. This shall be considered full compensation for furnishing all materials, equipment and labor for removal of water main in accordance with the contract documents. Water main caps/plugs are required at all removal limits and shall be considered incidental to this bid item. Most water main will be abandoned in place, but locations that conflict with proposed underground facilities will be removed. Water main removals shall be approved by the Engineer prior to removal.
166	2599-9999009	WATER MAIN DIP PIPE INSULATION Refer to MWM.3 and WMW.7 for insulation location and additional information at box culvert. Water main insulation is measured in lineal feet and the Contractor will be paid the contract unit per lineal feet installed based on the actual quantity as measured by the Engineer. This shall be considered full compensation for furnishing all materials, equipment and labor for installation of water main insulation in accordance with the contract documents. Water main insulation shall be Tricon Ductile Iron Pipe Insulation System or approved equal. Contractor is to comply with manufacturers installation details and specifications.
167	2599-9999010	CONCRETE WASHOUT Bid item has been included for installation and removal of concrete washouts to be used during construction. This is a lump sum item and no measurement will be made. Payment will be the contract lump sum price. Lump sum price includes furnishing all materials, equipment, and labor necessary for installation, use, and disposal of concrete washouts that meet EPA minimum BPA measures.
168	2599-9999010	EMERGENCY VEHICLE WARNING BEACON SYSTEM Refer to N-Sheets for Emergency Vehicle Warning Beacon System placement locations and details. This item has been included for pre-emption at the Fire Station. This is a lump sum item and no measurement will be made. Payment will be the contract lump sum price. Lump sum price includes furnishing all materials, equipment, and labor necessary for installation of a functioning emergency vehicle warning beacon system. See Special Provision for additional information.
169	2599-9999010	LANDSCAPING, 12TH STREET ROUNDABOUT MASONRY COLUMNS Refer to the LS-Sheets and Landscaping special provision for additional information. This item has been included for the masonry column landscaping elements in the center of the 12th Street roundabout. Item includes all costs to install 7', 12', and 13' brick masonry columns with cast stone base, cap, and accent lighting at 12th Street per LS sheets and the special provisions. This is a lump sum item and no measurement will be made. Payment will be the contract lump sum price. Lump sum price includes furnishing all materials, equipment, and labor necessary for installation of the landscaping elements as show in the plans and special provisions.
170	2599-9999010	LANDSCAPING, 18TH STREET ROUNDABOUT MASONRY COLUMN Refer to the LS-Sheets and Landscaping special provision for additional information. This item has been included for the landscaping elements in the center of the 18th Street roundabout. Item includes all costs to install the 16' lantern column feature, footing, and excavation per LS sheets and the special provisions. This is a lump sum item and no measurement will be made. Payment will be the contract lump sum price. Lump sum price includes furnishing all materials, equipment, and labor necessary for installation of the landscaping elements as show in the plans and special provisions.
171	2599-9999010	LANDSCAPING, ARCHING GATEWAY FEATURE Refer to the LS-Sheets and Landscaping special provision for additional information. This item has been included for the historic downtown gateway feature north of 7th Street. Item includes all costs to install the overhead arch structure with masonry columns and accent lighting per LS sheets and the special provisions. This is a lump sum item and no measurement will be made. Payment will be the contract lump sum price. Lump sum price includes furnishing all materials, equipment, and labor necessary for installation of the landscaping elements as show in the plans and special provisions.
172	2599-9999010	LANDSCAPING, CAST STONE SIGN WALLS Refer to the LS-Sheets and Landscaping special provision for additional information. This item has been included for installation of the cast stone sign walls to be placed in the center of each of the three roundabouts (Seerley Blvd, 18th Street, and 12th Street). This is a lump sum item and no measurement will be made. Payment will be the contract lump sum price. Lump sum price includes furnishing all materials, equipment, and labor necessary for installation of the landscaping elements as show in the plans and special provisions.
173	2599-9999010	LANDSCAPING, SEERLEY BLVD ROUNDABOUT MASONRY COLUMN Refer to the LS-Sheets and Landscaping special provision for additional information. This item has been included for the landscaping elements in the center of the Seerley Blvd roundabout. Item includes all costs to install the 24' masonry clocktower with cast stone base, cupola, accent lighting, the footings and excavation per LS sheets and the special provisions. This is a lump sum item and no measurement will be made. Payment will be the contract lump sum price. Lump sum price includes furnishing all materials, equipment, and labor necessary for installation of the landscaping elements as show in the plans and special provisions.
174	2599-9999010	RECTANGULAR RAPID FLASHING BEACON ASSEMBLY Item included to install a Rectangular Rapid Flashing Beacon (RRFB) at the mid-block location between 8th Street and 9th Street. Refer to N-Sheets for Rectangular Rapid Flashing Beacon (RRFB) placement locations and details. See Special Provision for additional information. This is a lump sum item and no measurement will be made. Payment will be the contract lump sum price. Lump sum price includes furnishing all materials, equipment, and labor necessary for installation of a functioning RRFB system as show in the plans.
175	2599-9999010	STORM SEWER MANHOLE, S-96, 11 FT. X 11 FT.
176	2599-9999010	STORM SEWER MANHOLE, S-97, 11 FT. X 11 FT.
177	2599-9999010	STORM SEWER MANHOLE, S-98, 11 FT. X 11 FT. Refer to M sheets and V sheets for additional information. Structures shall be cast in place. All material, labor, and equipment necessary for installation of manholes in accordance with the contract documents shall be considered incidental to these items. Includes excavation, dewatering, and granular leveling material.
178	2599-9999010	WOODEN STEPS AND PORCH REPAIRS, PARCEL 198 Item includes constructing wooden steps to the new sidewalk location on east side of porch at Parcel 198. Item also includes porch repairs to enclose porch opening where existing stairs are located and creating opening at new location of stairs. All work must meet applicable building codes. This is a lump sum item and no measurement will be made. Payment will be the contract lump sum price. Lump sum price includes furnishing all materials, equipment, and labor necessary for installation of stairs and porch repairs.
179	2599-9999014	LANDSCAPING, PAVERS Refer to the LS-Sheets and Landscaping special provision for additional information. Pavers will be installed at the roundabout truck aprons, splitter islands, and the streetscape between 6th St and 7th St. Installation of pavers is measured in SF and the Contractor will be paid the contract unit per square feet based on the plan quantity. This shall be considered full compensation for furnishing all materials, equipment and labor for installation of the pavers in accordance with the contract documents.
180	2599-9999018	BRICK PAVER, REMOVE AND REINSTALL Bid item included to remove, salvage, and reinstall brick pavers on W 16th Street. Refer sheet L.22 for location and additional information. Removal and reinstallation of brick pavers is measured in square yards and the Contractor will be paid the contract unit per square yard based on the plan quantity. This shall be considered full compensation for furnishing all materials, equipment and labor for installation of water main insulation in accordance with the contract documents.
181	2599-9999020	GRANULAR BEDDING Refer to V-Sheets for location and additional information.
182	2599-9999020	LANDSCAPING, MULCH Refer to the LS-Sheets and Landscaping special provision for additional information. River rock mulch shall

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10-29-02

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
		be placed at a depth of 3-inches.
		The river rock mulch is measured by weight in tons and the contractor will be paid the contract unit price
		for the tonage of mulch incorporated into the project based on weight tickets.
183	2601-2634150	MULCHING, WOOD CELLULOSE FIBER
		Refer to RR-Sheets for additional information.
184	2601-2636043	SEEDING AND FERTILIZING (URBAN)
		Refer to RR-Sheets for additional information.
		The top 6-in. of the seed bed shall be free of rock and debris and shall be suitable for the establishment
		of vegetation with the approval of the Engineer.
185	2601-2638352	SLOPE PROTECTION, WOOD EXCELSIOR MAT
		Refer to Tabulation 100-22 and RR-Sheets for additional information.
		Included to be placed on slopes 4:1 or greater.
		Bid item paid by the square. Manufacturer required overlaps and staples are considered incidental.
186	2601-2639010	SODDING
		Refer to RR-Sheets for details and locations.
187	2601-2642100	STABILIZING CROP - SEEDING AND FERTILIZING (URBAN)
		Refer to RR-Sheets for additional information.
		This item is to be used at the direction of the Engineer to temporary seed disturbed areas until
		appropriate seeding dates.
188	2602-0000309	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 9 IN. DIA.
189	2602-0000350	REMOVAL OF PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE
		Refer to Tabulations 100-19 and RR-Sheets for additional information.
		Place perimeter and slope sediment control devices to address possible erosion during construction. Verify
		locations with Engineer prior to beginning placement.
		Contractor shall remove all perimeter and slope sediment control devices installed once construction is complete
190	2602-0000500	OPEN-THROAT CURB INTAKE SEDIMENT FILTER, EC-602
191	2602-0000510	MAINTENANCE OF OPEN-THROAT CURB INTAKE SEDIMENT FILTER
192	2602-0000520	REMOVAL OF OPEN-THROAT CURB INTAKE SEDIMENT FILTER
		Refer to Tabulations 100-36 and RR-Sheets for additional information.
		Sediment filters to be installed as soon as intake construction is complete to keep sediment out of storm sewer
		pipes.
		Maintenance bid item includes 20% additional quantity for maintenance.
		Keep in place until permanent seeding has been established.
193	2602-0000530	GRATE INTAKE SEDIMENT FILTER BAG
194	2602-0000540	MAINTENANCE OF GRATE INTAKE SEDIMENT FILTER BAG
195	2602-0000550	REMOVAL OF GRATE INTAKE SEDIMENT FILTER BAG
		Refer to Tabulations 100-37 and RR-Sheets for additional information.
		Filter bags to be installed as soon as intake construction is complete to keep sediment out of storm sewer pipes
		Maintenance bid item includes 20% additional quantity for maintenance.
		Keep in place until permanent seeding has been established.
196	2602-0010010	MOBILIZATIONS, EROSION CONTROL
197	2610-0000100	SHRUBS
		Refer to the LS-Sheets and Landscaping special provision for additional information. Mulch, fertilizer,
		staking/guying, wrapping and erosion control netting shall be incidental to this item.
198	2610-0000110	TREES
		Refer to the LS-Sheets and Landscaping special provision for additional information. Includes street trees
		and evergreen trees. mulch, fertilizer, staking/guying, wrapping and erosion control netting shall be
		incidental to this item.
199	2610-0000400	WATERING FOR PLANTS
		Refer to the LS-Sheets and Landscaping special provision for rate of application and additional information.
		See "Watering" section in Special Provisions for watering requirements. Duration of watering is estimated
		to be 20 weeks.

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STANDARD ROAD PLANS

The following Standard Road Plans apply to construction work on this project.

Number	Date	Title
BA-200	04-20-21	STEEL BEAM GUARDRAIL COMPONENTS
BA-401	04-20-21	TEMPORARY BARRIER RAIL
DR-101	04-18-17	PIPE CULVERT (BEDDING AND BACKFILL)
DR-201	04-21-20	CONCRETE APRONS
DR-303	10-17-17	SUBDRAIN (LONGITUDINAL)
EC-103	04-21-15	WOOD EXCELSIOR MAT FOR SLOPE PROTECTION
EC-204	10-19-21	PERIMETER, SLOPE, AND DITCH CHECK SEDIMENT CONTROL DEVICES
EC-602	10-21-20	OPEN-TROAT CURB INTAKE SEDIMENT FILTER
LI-101	10-21-14	LIGHT POLE LOCATION
LI-103	04-19-22	CONDUIT AND PRECAST HANDHOLES
LI-141	10-21-14	ELECTRICAL INSTALLATION (ROADWAY DUCTS)
LI-201	04-18-17	LIGHT POLE FOUNDATION
LI-211	10-20-15	SLIP-BASE FOR LIGHT POLES
MI-210	10-20-15	PCC DRIVEWAYS AND ALLEYS
MI-220	10-20-15	DETECTABLE WARNINGS AND PEDESTRIAN RAMP
MI-221	10-20-15	COMBINED RETAINING WALL-SIDEWALK
PM-110	04-21-20	LINE TYPES
PM-111	04-21-20	SYMBOLS AND LEGENDS
PM-210	10-19-21	SEPARATION IN TWO-LANE ROADWAY
PM-420	10-15-19	TWO-LANE ROADWAY WITH NO TURN LANES (ONE-WAY STOP CONDITION)
PM-521	10-15-19	TWO-LANE ROADWAY WITH RIGHT TURN LANES
PM-522	04-16-19	TWO-LANE ROADWAY WITH LEFT TURN LANES
PV-101	04-19-22	JOINTS
PV-102	04-21-20	PCC CURB DETAILS
PV-104	04-21-20	RAMPED MEDIAN NOSE
PV-202	04-21-20	HOT MIX ASPHALT RESURFACING
SI-101	04-19-16	LOCATIONS-TYPE 'A' SIGNS
SI-111	04-19-16	SUPPORT STRUCTURES- WOODEN POSTS
SI-112	04-19-16	FOOTINGS FOR STEEL BREAKAWAY POSTS
SI-121	10-18-16	FABRICATION- SIGN LEGEND COMPONENTS
SI-131	10-18-16	INSTALLATION- TYPE 'A' SIGNS
SI-173	04-19-16	OBJECT MARKERS
SI-881	04-16-19	SPECIAL SIGNS FOR WORKZONES
SW-101	04-17-18	TRENCH BEDDING AND BACKFILL
SW-102	04-20-21	RIGID GRAVITY PIPE TRENCH BEDDING
SW-301	10-18-22	CIRCULAR SANITARY SEWER MANHOLE
SW-401	04-20-21	CIRCULAR STORM SEWER MANHOLE
SW-402	04-21-20	RECTANGULAR STORM SEWER MANHOLE
SW-403	04-21-20	DEEP WEEL RECTANGULAR STORM SEWER MANHOLE
SW-502	04-21-20	CIRCULAR SINGLE GRATE INTAKE
SW-505	04-21-20	DOUBLE GRATE INTAKE
SW-506	04-21-20	DOUBLE GRATE INTAKE WITH MANHOLE
SW-507	04-21-20	SINGLE OPEN-THROAT CURB INTAKE, SMALL BOX
SW-508	04-21-20	SINGLE OPEN-THROAT CURB INTAKE, LARGE BOX
SW-509	04-21-20	DOUBLE OPEN THROAT CURB INTAKE, SMALL BOX
SW-510	04-21-20	DOUBLE OPEN THROAT CURB INTAKE, LARGE BOX
SW-541	04-21-20	OPEN-THROAT CURB INTAKE UNDER PAVEMENT
SW-542	10-20-20	EXTENSION UNIT FOR OPEN-THROAT CURB INTAKE UNDER PAVEMENT
SW-601	04-21-20	CASTINGS FOR SANITARY SEWER MANHOLES
SW-602	04-21-20	CASTINGS FOR STORM SEWER MANHOLES
SW-603	10-16-18	CASTINGS FOR GRATE INTAKES
SW-604	04-21-20	CASTINGS FOR AREA INTAKES
TC-202	10-19-21	WORK WITHIN 15 FT OF TRAVELED WAY
TC-217	10-18-16	LANE CLOSURE WITH SIGNALS AND TBR
TC-252	04-21-20	ROUTES CLOSED TO TRAFFIC
TC-253	10-19-21	PAVED ON-SITE DETOUR
TC-271	10-18-16	SIGNALIZED EQUIPMENT CROSSING
TC-419	10-16-18	LANE CLOSURE ON UNDIVIDED HIGHWAY
TC-423	10-20-20	CLOSURE OF TWO ADJACENT LANES ON UNDIVIDED HIGHWAY
TC-601	10-15-19	PEDESTRIAN DETOUR
TS-102	04-19-22	TRAFFIC SIGNAL POLE FOUNDATION
WM-101	10-18-16	THRUST BLOCKS
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REMOVAL OF PAVEMENT

Refer to Tabulation 102-5

* Not a Bid Item

Begin Station	End Station	Side	Pavement Type	Area SY	Saw Cut* LF	Remarks
1006+34.21	1073+80.70	BOTH	COMPOSITE	42951.0	176.4	MAIN STREET - VARIABLE DEPTH, 7" AVG.
242+24.17	243+91.42	BOTH	COMPOSITE	652.9	29.0	SEERELY BLVD - APPROX. 5" DEPTH
244+51.13	246+77.64	BOTH	COMPOSITE	1101.2	37.2	SEERELY BLVD - APPROX. 12" DEPTH
221+03.82	221+75.68	BOTH	COMPOSITE	277.6	31.1	22ND ST - APPROX. 7" DEPTH
222+25.02	222+52.51	BOTH	COMPOSITE	127.6	31.2	22ND ST - APPROX. 7" DEPTH
211+35.00	211+75.98	BOTH	COMPOSITE	172.8	31.1	21ST ST - APPROX. 7.5" DEPTH
212+24.98	212+92.52	BOTH	COMPOSITE	261.5	30.7	21ST ST - APPROX. 7.5" DEPTH
201+35.00	201+75.00	BOTH	COMPOSITE	165.8	31.4	20TH ST - APPROX. 7" DEPTH
202+23.32	203+15.00	BOTH	COMPOSITE	343.3	31.0	20TH ST - APPROX. 7" DEPTH
182+00.75	186+13.27	BOTH	COMPOSITE	2387.9	125.3	18TH ST - APPROX. 9.5" DEPTH
186+80.82	190+60.74	BOTH	COMPOSITE	2475.3	176.1	18TH ST - APPROX. 9.5" DEPTH
171+10.00	171+70.39	BOTH	COMPOSITE	239.9	30.8	17TH ST - APPROX. 12" DEPTH
161+34.45	161+71.04	BOTH	COMPOSITE	143.0	24.5	16TH ST - APPROX. 12" DEPTH
162+21.86	162+60.00	BOTH	COMPOSITE	163.0	31.0	16TH ST - APPROX. 12" DEPTH
151+10.00	151+72.32	BOTH	COMPOSITE	245.1	31.0	15TH ST - APPROX. 7.5" DEPTH
152+21.92	152+65.00	BOTH	COMPOSITE	186.4	31.5	15TH ST - APPROX. 7.5" DEPTH
141+02.00	141+73.11	BOTH	COMPOSITE	245.0	26.0	14TH ST - APPROX. 7.5" DEPTH
142+24.81	142+71.17	BOTH	COMPOSITE	214.3	37.5	14TH ST - APPROX. 7.5" DEPTH
130+87.50	131+73.29	BOTH	COMPOSITE	307.2	31.0	13TH ST - APPROX. 7" DEPTH
132+26.57	132+75.00	BOTH	COMPOSITE	201.7	36.0	13TH ST - APPROX. 7" DEPTH
122+08.96	124+98.13	BOTH	COMPOSITE	1132.9	35.0	12TH ST - APPROX. 7" DEPTH
125+51.83	129+71.65	BOTH	COMPOSITE	2470.3	220.8	12TH ST - APPROX. 7" DEPTH
111+21.75	111+73.12	BOTH	COMPOSITE	208.7	36.0	11TH ST - APPROX. 7" DEPTH
112+26.66	112+84.38	BOTH	COMPOSITE	167.3	25.5	11TH ST - APPROX. 7" DEPTH
101+25.00	101+73.14	BOTH	COMPOSITE	192.8	35.0	10TH ST - APPROX. 7" DEPTH
102+26.78	102+65.00	BOTH	COMPOSITE	123.0	25.0	10TH ST - APPROX. 7" DEPTH
91+31.25	91+72.94	BOTH	COMPOSITE	166.6	35.5	9TH ST - APPROX. 7" DEPTH
92+26.52	92+70.02	BOTH	COMPOSITE	175.2	35.0	9TH ST - APPROX. 7" DEPTH
81+35.02	81+73.25	BOTH	COMPOSITE	162.5	35.5	8TH ST - APPROX. 7" DEPTH
85+26.90	85+75.00	BOTH	COMPOSITE	146.4	25.5	8TH ST - APPROX. 7" DEPTH
71+36.50	71+73.44	BOTH	COMPOSITE	155.6	35.0	7TH ST - APPROX. 7" DEPTH
72+26.92	72+50.00	BOTH	COMPOSITE	102.2	33.0	7TH ST - APPROX. 7" DEPTH
61+18.00	61+73.64	BOTH	COMPOSITE	244.1	35.0	6TH ST - APPROX. 7" DEPTH
65+26.05	65+60.00	BOTH	COMPOSITE	94.7	23.0	6TH ST - APPROX. 7" DEPTH
			TOTAL:	**58404.7**		

CLEARING AND GRUBBING

Location: Station to Station or Ref. Loc. Sign to Ref. Loc. Sign or Description	Direction of Travel	Work and Material Type	Trees, Stumps, and Logs and Down Timber Material Diameters: 3"-6"	>6"-9"	>9"-12"	>12"-15"	>15"-18"	>18"-24"	>24"-30"	>30"-36"	>36"-42"	>42"-48"	>48"-60"	>60"-72"	>72"	All Other Materials: Length FT	Width FT	Estimated Quantities: Units Units	Area Acres	Herbicide Application Each	Remarks
1017+73.67, 37.80 LT		Trees - Clearing and Grubbing							1									29.0			I.3 2
1038+97.59, 30.92 LT		Trees - Clearing and Grubbing								1								50.0			I.6 40
1040+01.91, 41.83 RT		Trees - Clearing and Grubbing				1												9.4			I.6 48
1040+37.43, 28.18 RT		Trees - Clearing and Grubbing						1										22.0			I.6 52
1040+65.50, 27.85 RT		Trees - Clearing and Grubbing				1												9.4			I.6 53
1041+09.15, 28.12 RT		Trees - Clearing and Grubbing						1										22.0			I.6 56
1041+37.72, 27.82 RT		Trees - Clearing and Grubbing						1										22.0			I.6 57
1040+27.46, 49.31 LT		Stumps - Grubbing						1										13.6			I.6 61
1038+23.83, 42.52 RT		Hedge Rows - Clearing														20.0	5.0	6.0			I.6 70
1038+53.51, 42.77 RT		Hedge Rows - Clearing														36.0	5.0	10.8			I.6 71
1041+76.02, 28.04 RT		Trees - Clearing and Grubbing							1									29.0			I.7 10
1042+19.86, 28.39 RT		Trees - Clearing and Grubbing						1										22.0			I.7 14
1042+62.59, 28.12 RT		Trees - Clearing and Grubbing							1									29.0			I.7 16
1043+47.17, 44.21 RT		Hedge Rows - Clearing														1.5	1.5	0.5			I.7 27
1043+97.87, 28.71' RT		Trees - Clearing and Grubbing								1								50.0			I.7 30
1043+37.16, 62.37 LT		Trees - Clearing and Grubbing								1								50.0			I.7 35
1044+01.80, 29.61 LT		Trees - Clearing and Grubbing							1									29.0			I.7 38
1044+67.16, 29.81 RT		Trees - Clearing and Grubbing								1								50.0			I.7 41
1045+27.37, 29.12 RT		Trees - Clearing and Grubbing							1									29.0			I.7 43
1045+37.28, 30.50 LT		Trees - Clearing and Grubbing									1							80.0			I.7 44
1047+44.91, 30.34 LT		Trees - Clearing and Grubbing					1											13.5			I.7 59
1049+09.16, 30.38 LT		Trees - Clearing and Grubbing			1													6.7			I.8 9
1052+60.19, 57.18 RT		Trees - Clearing and Grubbing			1													6.7			I.8 28
1052+43.92, 101.39 RT		Trees - Clearing and Grubbing	1															1.6			I.8 30
1049+94.63, 48.94 LT		Trees - Clearing and Grubbing								1								50.0			I.8 31
1050+23.25, 29.96 LT		Trees - Clearing and Grubbing				1												9.4			I.8 34
1051+28.77, 30.77 LT		Trees - Clearing and Grubbing	1															1.6			I.8 38
1053+62.36, 30.49 RT		Trees - Clearing and Grubbing	1															1.6			I.8 70
1054+58.70, 30.08 LT		Trees - Clearing and Grubbing				1												9.4			I.9 3
1055+51.34, 30.27 LT		Trees - Clearing and Grubbing		1														3.9			I.9 8
1056+32.01, 30.81 LT		Trees - Clearing and Grubbing						1										22.0			I.9 10
1056+59.44, 40.35 LT		Trees - Clearing and Grubbing					1											13.5			I.9 15
1053+70.09, 45.88 RT		Hedge Rows - Clearing														12.0	3.0	3.6			I.9 16
1053+78.09, 46.98 RT		Hedge Rows - Clearing														12.0	3.0	3.6			I.9 17
1054+07.94, 30.19 RT		Trees - Clearing and Grubbing										1						120.0			I.9 19
1054+33.95, 30.14 RT		Trees - Clearing and Grubbing							1									29.0			I.9 20
1054+95.82, 30.19 RT		Trees - Clearing and Grubbing							1									29.0			I.9 22
1055+41.95, 30.36 RT		Trees - Clearing and Grubbing						1										22.0			I.9 24
1056+58.42, 57.15 RT		Trees - Clearing and Grubbing									1							80.0			I.9 29
1058+25.04, 30.73 RT		Trees - Clearing and Grubbing									1							80.0			I.9 34
1059+13.37, 31.82 RT		Trees - Clearing and Grubbing						1										22.0			I.9 36
1059+50.49, 42.83 RT		Hedge Rows - Clearing														2.0	2.0	0.6			I.9 37
1059+50.91, 46.60 RT		Hedge Rows - Clearing														2.0	2.0	0.6			I.9 38
1059+64.89, 42.02 RT		Hedge Rows - Clearing														2.0	2.0	0.6			I.9 39
1059+65.20, 45.19 RT		Hedge Rows - Clearing														2.0	2.0	0.6			I.9 40
1057+01.01, 59.16 LT		Trees - Clearing and Grubbing						1										22.0			I.9 42
1057+33.05, 30.04 LT		Trees - Clearing and Grubbing					1											13.5			I.9 47
1058+97.85, 29.88 LT		Trees - Clearing and Grubbing			1													6.7			I.9 53
1060+30.66, 84.33 LT		Trees - Clearing and Grubbing				1												9.4			I.10 13
1060+31.18, 55.12 LT		Trees - Clearing and Grubbing				1												9.4			I.10 15
1060+63.69, 30.24 LT		Trees - Clearing and Grubbing						1										22.0			I.10 18
1060+88.57, 30.33 LT		Trees - Clearing and Grubbing						1										22.0			I.10 19
1061+48.05, 30.23 LT		Trees - Clearing and Grubbing				1												9.4			I.10 20
1062+05.03, 30.69 LT		Trees - Clearing and Grubbing					1											13.5			I.10 22
1062+81.93, 30.49 LT		Stumps - Grubbing							1									17.6			I.10 25
1061+91.33, 31.28 RT		Trees - Clearing and Grubbing							1									29.0			I.10 33
1064+21.15, 31.04 RT		Trees - Clearing and Grubbing					1											13.5			I.10 50
1065+89.77, 29.62 LT		Trees - Clearing and Grubbing							1									29.0			I.11 2
1066+17.98, 29.71 LT		Trees - Clearing and Grubbing						1										22.0			I.11 4
1066+94.12, 56.12 LT		Trees - Clearing and Grubbing	1															1.6			I.11 16
1067+32.32, 30.60 LT		Trees - Clearing and Grubbing				1												9.4			I.11 20
1068+33.30, 30.93 LT		Trees - Clearing and Grubbing		1														3.9			I.11 26
1068+64.55, 30.10 LT		Trees - Clearing and Grubbing	1															1.6			I.11 27
1068+95.65, 30.32 LT		Trees - Clearing and Grubbing		1														3.9			I.11 28
1067+96.00, 29.98 RT		Trees - Clearing and Grubbing						1										22.0			I.11 37
1068+84.17, 30.18 RT		Trees - Clearing and Grubbing						1										22.0			I.11 40
1069+12.94, 48.49 RT		Trees - Clearing and Grubbing						1										22.0			I.11 42
1070+24.55, 49.77 LT		Trees - Clearing and Grubbing							1									29.0			I.11 51
1071+51.92, 29.57 LT		Trees - Clearing and Grubbing						1										22.0			I.11 57
1066+49.29, 100.82 LT		Trees - Clearing and Grubbing			1													6.7			I.11 59
1071+82.34, 29.49 LT		Trees - Clearing and Grubbing						1										22.0			I.12 5
1072+09.04, 47.00 RT		Hedge Rows - Clearing														6.0	3.0	1.8			I.12 13
1072+14.91, 47.01 RT		Hedge Rows - Clearing														6.0	3.0	1.8			I.12 14
184+60.45, 33.62 LT		Hedge Rows - Clearing														6.0	6.0	1.8			I.14 13
185+14.68, 35.96 LT		Hedge Rows - Clearing														8.0	4.0	2.4			I.14 17
123+84.02, 22.36' LT		Trees - Clearing and Grubbing						1										22.0			I.16 9
																	TOTAL:	1530.0			

110-5
10-20-15

SIDEWALK REMOVAL

* Not a bid item

Begin Station	End Station	Area SY	Saw Cut* LF	Remarks
1002+99.17	1003+44.62	31.2		APPROX. 4" DEPTH
1003+74.97	1005+61.61	91.5		APPROX. 4" DEPTH
1006+34.27	1010+15.36	393.2		APPROX. 4" DEPTH
1010+52.05	1016+70.82	311.5		APPROX. 4" DEPTH
1017+11.42	1020+68.16	206.8		APPROX. 4" DEPTH
1021+81.66	1023+96.12	129.7		APPROX. 4" DEPTH
1024+38.19	1032+56.97	403.6		APPROX. 4" DEPTH
1033+29.17	1036+16.45	191.5		APPROX. 4" DEPTH
1033+42.01	1039+60.97	312.5		APPROX. 4" DEPTH
1036+62.54	1039+58.07	186.3		APPROX. 4" DEPTH
1039+97.84	1042+92.71	202.5		APPROX. 4" DEPTH
1039+94.50	1042+94.27	181.5		APPROX. 4" DEPTH
1043+29.62	1046+25.44	180.8		APPROX. 4" DEPTH
1043+27.97	1046+20.53	227.1		APPROX. 4" DEPTH
1046+61.44	1049+56.12	247.9		APPROX. 4" DEPTH
1046+59.28	1049+54.68	173.8		APPROX. 4" DEPTH
1049+88.48	1052+84.66	212.6		APPROX. 4" DEPTH
1049+90.53	1052+61.29	170.5		APPROX. 4" DEPTH
1053+20.34	1056+60.60	216.1		APPROX. 4" DEPTH
1053+27.57	1056+66.40	228.3		APPROX. 4" DEPTH
1056+96.41	1059+91.25	200.2		APPROX. 4" DEPTH
1056+91.47	1059+95.75	208.9		APPROX. 4" DEPTH
1060+26.54	1063+22.19	208.3		APPROX. 4" DEPTH
1060+23.25	1063+22.42	206.9		APPROX. 4" DEPTH
1063+57.48	1066+53.69	290.4		APPROX. 4" DEPTH
1063+58.20	1066+71.08	206.6		APPROX. 4" DEPTH
1066+89.34	1069+84.20	214.7		APPROX. 4" DEPTH
1066+96.91	1069+86.12	255.0		APPROX. 4" DEPTH
1070+20.15	1073+09.34	188.7		APPROX. 4" DEPTH
1070+19.84	1073+12.21	203.5		APPROX. 4" DEPTH
1073+50.79	1073+80.67	168.6		APPROX. 4" DEPTH
1073+36.01	1073+80.70	95.6		APPROX. 4" DEPTH
242+26.80	243+66.52	127.7		APPROX. 4" DEPTH
242+26.83	243+69.46	50.7		APPROX. 4" DEPTH
244+55.89	246+77.64	113.0		APPROX. 4" DEPTH
244+53.22	246+21.05	92.4		APPROX. 4" DEPTH
212+26.16	212+92.52	23.9		APPROX. 4" DEPTH
212+28.57	212+92.52	23.1		APPROX. 4" DEPTH
202+24.40	203+15.21	40.9		APPROX. 4" DEPTH
202+26.41	203+15.00	35.8		APPROX. 4" DEPTH
183+00.38	186+00.48	149.7		APPROX. 4" DEPTH
183+32.41	185+94.22	143.8		APPROX. 4" DEPTH
186+78.84	190+52.50	111.7		APPROX. 4" DEPTH
187+56.16	190+35.24	64.8		APPROX. 4" DEPTH
171+20.04	171+22.87	3.0		APPROX. 4" DEPTH
122+01.92	24+79.78	127.5		APPROX. 4" DEPTH
122+02.05	124+86.51	124.8		APPROX. 4" DEPTH
125+70.56	128+64.67	169.6		APPROX. 4" DEPTH
125+65.15	128+51.49	141.7		APPROX. 4" DEPTH
	TOTAL:	**8290.4**		

110-08
04-17-18

REMOVAL OF CONCRETE DRIVES

* Not a Bid Item

Location Station	Side	Area SY	Saw Cut* LF	Remarks
1003+60.36	LT	35.2	26.9	APPROX. 6" DEPTH
1003+65.34	RT	88.9	61.6	APPROX. 6" DEPTH
1005+77.93	LT	39.1	32.5	APPROX. 6" DEPTH
1005+95.25	RT	57.5	55.4	APPROX. 6" DEPTH
1009+11.84	LT	226.6	119.2	APPROX. 6" DEPTH
1008+86.43	RT	164.4	137.9	APPROX. 6" DEPTH
1011+39.65	LT	166.4	95.6	APPROX. 6" DEPTH
1012+25.50	LT	20.4	20.4	APPROX. 6" DEPTH
1012+71.68	LT	20.9	14.5	APPROX. 6" DEPTH
1013+20.62	LT	103.4	48.8	APPROX. 6" DEPTH
1014+03.16	LT	83.4	41.1	APPROX. 6" DEPTH
1014+52.90	LT	33.0	10.2	APPROX. 6" DEPTH
1014+93.10	LT	71.2	42.8	APPROX. 6" DEPTH
1015+32.56	RT	94.8	50.7	APPROX. 6" DEPTH
1015+32.04	LT	30.7	7.3	APPROX. 6" DEPTH
1018+51.97	RT	74.5	34.9	APPROX. 6" DEPTH
1018+54.30	LT	80.4	22.0	APPROX. 6" DEPTH
1019+73.50	LT	37.8	10.1	APPROX. 6" DEPTH
1020+24.08	LT	82.5	63.7	APPROX. 6" DEPTH
1021+50.58	LT	206.8	108.8	APPROX. 6" DEPTH
1021+94.82	LT	20.0	8.9	APPROX. 6" DEPTH
1022+3.706	RT	49.3	37.7	APPROX. 6" DEPTH
1023+18.30	LT	30.2	25.0	APPROX. 6" DEPTH
1025+21.21	LT	31.3	15.3	APPROX. 6" DEPTH
1025+30.87	RT	40.8	24.8	APPROX. 6" DEPTH
1026+49.68	LT	50.0	21.0	APPROX. 6" DEPTH
1026+86.51	RT	73.9	34.8	APPROX. 6" DEPTH
1027+87.76	RT	52.3	26.4	APPROX. 6" DEPTH
1028+18.98	LT	45.0	22.7	APPROX. 6" DEPTH
1028+46.46	RT	32.2	16.1	APPROX. 6" DEPTH
1029+03.39	LT	46.5	24.9	APPROX. 6" DEPTH
1029+78.79	RT	73.4	35.9	APPROX. 6" DEPTH
1031+45.51	RT	72.5	52.8	APPROX. 6" DEPTH
1033+77.17	RT	349.1	150.0	APPROX. 6" DEPTH
1034+71.88	LT	20.0	16.0	APPROX. 6" DEPTH
1035+45.77	RT	299.2		APPROX. 6" DEPTH
1035+77.49	RT	30.4	21.5	APPROX. 6" DEPTH
1036+49.52	RT	46.5	40.5	APPROX. 6" DEPTH
1037+28.65	RT	20.4	14.0	APPROX. 6" DEPTH
1037+59.03	RT	20.9	10.1	APPROX. 6" DEPTH
1044+81.01	LT	25.6	8.8	APPROX. 6" DEPTH
1054+29.93	LT	6.2	12.0	APPROX. 6" DEPTH
1054+53.49	RT	16.8	10.0	APPROX. 6" DEPTH
1055+68.47	LT	41.5	18.3	APPROX. 6" DEPTH
1057+91.35	LT	67.2	56.1	APPROX. 6" DEPTH
1060+78.57	RT	94.4	89.0	APPROX. 6" DEPTH
1061+73.46	RT	30.2	13.5	APPROX. 6" DEPTH
1064+93.42	RT	40.5	12.0	APPROX. 6" DEPTH
1065+06.82	LT	20.3	7.3	APPROX. 6" DEPTH
1065+71.69	RT	71.3	45.5	APPROX. 6" DEPTH
1067+81.01	RT	26.8	13.0	APPROX. 6" DEPTH
1068+04.70	LT	48.0	29.1	APPROX. 6" DEPTH
1070+70.55	RT	62.7	74.6	APPROX. 6" DEPTH
1071+27.27	LT	62.8	26.0	APPROX. 6" DEPTH
1071+38.83	RT	77.4	32.6	APPROX. 6" DEPTH
1072+55.45	LT	148.0	82.7	APPROX. 6" DEPTH
242+60.88	LT	27.9	15.8	APPROX. 6" DEPTH
243+31.43	LT	193.7	111.5	APPROX. 6" DEPTH
245+14.55	LT	56.3	20.8	APPROX. 6" DEPTH
246+48.79	LT	57.9	55.6	APPROX. 6" DEPTH
212+68.55	RT	57.5	20.8	APPROX. 6" DEPTH
212+68.21	LT	40.4	22.0	APPROX. 6" DEPTH
202+64.35	RT	38.2	13.4	APPROX. 6" DEPTH
202+84.78	LT	70.1	27.3	APPROX. 6" DEPTH
185+28.17	LT	52.5	18.0	APPROX. 6" DEPTH
187+96.65	RT	117.3	32.2	APPROX. 6" DEPTH
188+62.26	LT	31.9	22.1	APPROX. 6" DEPTH
189+34.51	RT	126.6	32.0	APPROX. 6" DEPTH
123+34.62	LT	231.8	57.0	APPROX. 6" DEPTH
123+46.28	RT	47.9	18.8	APPROX. 6" DEPTH
124+07.41	LT	40.8	19.8	APPROX. 6" DEPTH
126+40.65	LT	19.1	10.2	APPROX. 6" DEPTH
127+16.14	LT	60.4	32.9	APPROX. 6" DEPTH
91+35.60	RT	29.6	9.7	APPROX. 6" DEPTH
TOTAL:		**5260.9**		

110
04-16-13

REMOVAL OF LIGHT POLES AND CONCRETE FOOTINGS

Location No.	Station	Offset Left	Offset Right	Removal of Light Pole	Removal of Concrete Footing for Light Pole	Remarks
8	1004+35.79		18.7	1	1	I.1
3	1006+23.31	31.17		1	1	I.2
14	1007+64.63	40.36		1	1	I.2
20	1012+61.28	35.87		1	1	I.3
40	1015+23.77	35.28		1	1	I.3
4	1018+02.26	27.04		1	1	I.4
25	1022+03.62		31.58	1	1	I.4
35	1023+12.80	33.88		1	1	I.4
23	1025+80.63	34.53		1	1	I.5
3	1030+88.27	40.35		1	1	I.6
36	1033+31.12	50.67		1	1	I.6
65	1035+58.91		41.33	1	1	I.6
4	1036+16.70	50.77		1	1	I.7
31	1038+22.13		32.22	1	1	I.7
43	1039+44.26		28.12	1	1	I.7
55	1040+82.23		25.56	1	1	I.7
12	1042+04.72		25.66	1	1	I.8
28	1043+49.05		27.42	1	1	I.8
42	1044+79.53		26.83	1	1	I.8
45	1046+02.65		26.57	1	1	I.8
56	1046+81.94	28.42		1	1	I.8
1	1047+70.95	28.98		1	1	I.9
8	1048+86.90	29.02		1	1	I.9
13	1049+38.22		28.51	1	1	I.9
18	1050+57.92		28.44	1	1	I.9
21	1051+63.93		29.26	1	1	I.9
33	1050+06.23	28.83		1	1	I.9
2	1054+19.85	28.29		1	1	I.10
7	1055+24.69	28.63		1	1	I.10
9	1056+07.82	28.49		1	1	I.10
18	1053+77.61		28.4	1	1	I.10
21	1054+63.69		28.51	1	1	I.10
25	1055+64.04		28.5	1	1	I.10
27	1056+54.41		28.54	1	1	I.10
33	1057+72.14		28.73	1	1	I.10
35	1058+77.82		28.72	1	1	I.10
54	1059+21.47	28.26		1	1	I.10
9	1059+87.52		28.87	1	1	I.11
21	1061+65.75	28.61		1	1	I.11
31	1061+05.74		31.49	1	1	I.11
34	1062+05.69		28.45	1	1	I.11
36	1063+16.96		32.65	1	1	I.11
43	1064+81.10	29.21		1	1	I.11
51	1064+32.82		28.45	1	1	I.11
57	1065+28.16		28.56	1	1	I.11
1	1065+70.34	28.92		1	1	I.12
14	1066+59.85		28.77	1	1	I.12
19	1067+08.46	28.45		1	1	I.12
22	1067+85.52	29.56		1	1	I.12
29	1069+24.51	28.44		1	1	I.12
34	1067+51.37		28.84	1	1	I.12
45	1069+77.01		32.77	1	1	I.12
49	1071+07.03		29.46	1	1	I.12
52	1070+26.88	31.06		1	1	I.12
8	1072+07.58	28.48		1	1	I.13
17	1072+97.00		28.74	1	1	I.13
			TOTAL:	**56**	**56**	

2010-01
01-01-16

REMOVALS, AS PER PLAN

*ALL ITEMS ARE INCIDENTAL.

No.	Location	Description	Remarks
I.1 1	1003+16.13, 35.40 LT	RELOCATE PEDESTAL	BY OTHERS
I.2 3	1006+17.86, 30.97 LT	RELOCATE UTILITY BOX	BY OTHERS
I.2 18	1009+20.66, 37.09 LT	RELOCATE POLE	BY OTHERS
I.2 20	1009+54.86, 26.53 LT	REMOVE RETAINING WALL	85 LF
I.2 21	1009+74.27, 29.92 RT	REMOVE RETAINING WALL	92 LF
I.2 28	1009+54.86, 26.53 LT	REMOVE RETAINING WALL	16 LF
I.2 30	1010+11.11, 61.89 RT	RELOCATE POLE	BY OTHERS
I.2 31	1010+11.21, 63.03 RT	REMOVE PEDESTAL	BY OTHERS
I.2 33	1010+03.02, 106.58 RT	RELOCATE POLE	BY OTHERS
I.2 34	1010+02.55, 108.77 RT	REMOVE PEDESTAL	BY OTHERS
I.2 39	1010+93.00, 50.29 RT	REMOVE UTILITY BOX	
I.2 41	1011+03.64, 58.03 RT	RELOCATE POLE	BY OTHERS
I.2 53	1010+72.61, 53.03 LT	REMOVE BOLLARD	
I.2 55	1010+79.43, 43.24 LT	REMOVE BOLLARD	
I.2 57	1010+79.38, 37.14 LT	REMOVE BOLLARD	
I.3 26	1013+93.13, 44.69 RT	RELOCATE FLOWER POT	
I.3 30	1013+61.85, 42.54 RT	RELOCATE FLOWER POT	
I.3 32	1014+29.48, 46.73 RT	RELOCATE FLOWER POT	
I.3 34	1014+51.25, 42.00 RT	RELOCATE FLOWER POT	
I.3 36	1014+87.16, 36.42 RT	RELOCATE FLOWER POT	
I.3 37	1014+92.23, 40.97 RT	RELOCATE POLE	BY OTHERS
I.3 38	1014+71.41, 34.75 LT	REMOVE RETAINING WALL	9 LF
I.3 39	1015+15.17, 34.69 LT	REMOVE RETAINING WALL	9 LF
I.3 41	1015+47.36, 39.19 LT	REMOVE CONCRETE STEPS	
I.3 42	1015+68.30, 36.01 RT	REMOVE UTILITY BOX	BY OTHERS
I.3 43	1015+75.61, 34.69 RT	REMOVE UTILTIY BOX	BY OTHERS
I.3 44	1015+74.59, 37.60 RT	REMOVE PEDESTAL	BY OTHERS
I.3 45	1016+63.20, 33.91 RT	REMOVE PEDESTAL	BY OTHERS
I.3 46	1016+65.33, 33.85 RT	REMOVE POLE	BY OTHERS
I.3 51	1016+54.73, 39.76 LT	REMOVE CONCRETE STEPS	
I.3 53	1016+68.59, 51.13 LT	REMOVE POLE	BY OTHERS
I.3 60	1017+36.14, 33.21 LT	REMOVE RETAINING WALL	22 LF
I.3 61	1017+47.99, 36.46 LT	REMOVE CONCRETE STEPS	
I.4 1	1017+709.1, 35.06 LT	REMOVE RETAINING WALL	40 LF
I.4 3	1018+12.97, 34.09 LT	REMOVE POLE	BY OTHERS
I.4 5	1018+25.05, 37.90 LT	REMOVE CONCRETE STEPS	
I.4 6	1018+99.56, 37.90 LT	REMOVE CONCRETE STEPS	
I.4 7	1019+58.79, 33.23 RT	REMOVE POLE	BY OTHERS
I.4 9	1020+62.76, 33.48 RT	REMOVE POLE	BY OTHERS
I.4 10	1020+64.43, 40.95 RT	REMOVE HANDHOLE	BY OTHERS
I.4 14	1020+64.82, 44.11 LT	REMOVE POLE	BY OTHERS
I.4 29	1022+52.41, 33.88 LT	REMOVE POLE	BY OTHERS
I.4 32	1022+88.68, 37.90 LT	REMOVE CONCRETE STEPS	
I.4 36	1023+42.75, 34.50 RT	REMOVE POLE	BY OTHERS
I.4 37	1023+63.57, 37.90 LT	REMOVE CONCRETE STEPS	
I.5 8	1024+38.82, 35.07 RT	REMOVE POLE	BY OTHERS
I.5 24	1026+03.97, 38.08 LT	REMOVE CONCRETE STEPS	
I.5 26	1025+54.81, 35.04 RT	REMOVE POLE	BY OTHERS
I.5 31	1026+84.27, 38.07 LT	REMOVE CONCRETE STEPS	
I.5 35	1027+48.97, 35.71 LT	REMOVE TELEPHONE PEDESTAL	BY OTHERS
I.5 37	1027+08.89, 38.24 RT	REMOVE POLE	BY OTHERS
I.5 38	1027+15.02, 38.35 RT	REMOVE TELEPHONE PEDESTAL	BY OTHERS
I.5 41	1028+29.48, 36.14 RT	REMOVE POLE	BY OTHERS
I.5 42	1028+37.12, 36.51 RT	REMOVE POLE	BY OTHERS
I.5 43	1028+33.88, 34.65 LT	REMOVE POLE	BY OTHERS
I.5 50	1029+49.88, 37.14 RT	REMOVE POLE	BY OTHERS
I.5 51	1029+61.54, 38.20 RT	REMOVE POLE	BY OTHERS
I.5 53	1029+62.82, 35.00 LT	REMOVE POLE	BY OTHERS
I.6 15	1032+61.74, 42.79 RT	REMOVE PEDESTRIAN BUTTON	
I.6 20	1032+73.32, 93.60 RT	REMOVE POLE	
I.6 22	1032+05.36, 46.42 LT	REMOVE POLE	BY OTHERS
I.6 27	1032+45.64, 48.59 LT	REMOVE PEDESTRIAN BUTTON	
I.6 34	1033+25.98, 95.77 LT	REMOVE POLE	BY OTHERS
I.6 39	1033+42.77, 50.23 LT	REMOVE PEDESTRIAN BUTTON	
I.6 49	1033+49.75, 47.87 RT	REMOVE POLE	BY OTHERS
I.6 52	1033+55.50, 45.17 RT	REMOVE UTILITY BOX	BY OTHERS
I.6 53	1033+58.60, 42.72 RT	REMOVE UTILITY BOX	BY OTHERS
I.6 58	1034+37.91, 44.12 RT	REMOVE POLE	BY OTHERS
I.6 59	1034+42.30, 44.73 RT	REMOVE UTILTIY BOX	BY OTHERS
I.6 64	1035+51.72, 41.53 RT	REMOVE POLE	BY OTHERS
I.6 71	1032+10.46, 36.95 RT	REMOVE POLE	BY OTHERS
I.7 12	1037+80.36, 404.40 LT	REMOVE CONCRETE STEPS	
I.7 17	1038+52.71, 41.44 LT	REMOVE CONCRETE STEPS	
I.7 20	1039+21.28, 41.78 LT	REMOVE CONCRETE STEPS	
I.7 25	1036+67.68, 41.07 RT	REMOVE POLE	BY OTHERS
I.7 26	1036+69.86, 42.18 RT	REMOVE ELECTRIC BOX	BY OTHERS
I.7 28	1037+48.14, 36.47 RT	REMOVE POLE	BY OTHERS
I.7 29	1037+94.11, 41.50 RT	REMOVE CONCRETE STEPS	
I.7 30	1038+12.07, 46.35 RT	REMOVE ELECTRIC BOX	BY OTHERS

2010-01
01-01-16

REMOVALS, AS PER PLAN

*ALL ITEMS ARE INCIDENTAL.

No.	Location	Description	Remarks
I.7 32	1038+24.81, 31.22 RT	REMOVE POLE	BY OTHERS
I.7 35	`1038+37.43, 42.70 RT	REMOVE CONCRETE STEPS	
I.7 41	1039+12.08, 41.86 RT	REMOVE CONCRETE STEPS	
I.7 42	1039+41.63, 26.45 RT	REMOVE POLE	BY OTHERS
I.7 54	1040+79.38, 23.17 RT	REMOVE POLE	BY OTHERS
I.7 62	1040+26.06, 39.230 LT	REMOVE RETAINING WALL	30 LF
I.7 63	1040+40.98, 42.00 LT	REMOVE CONCRETE STEPS	
I.7 64	1040+55.24, 39.03 LT	REMOVE RETAINING WALL	33 LF
I.7 68	1041+29.15, 40.70 LT	REMOVE CONCRETE STEPS	
I.7 69	1041+68.86, 39.98 LT	REMOVE CONCRETE STEPS	
I.8 1	1041+68.86, 39.98 LT	REMOVE CONCRETE STEPS	
I.8 2	1042+51.26, 39.79 LT	REMOVE CONCRETE STEPS	
I.8 11	1041+90.26, 25.88 RT	REMOVE POLE	BY OTHERS
I.8 18	1042+86.93, 29.74 RT	REMOVE POLE	BY OTHERS
I.8 31	1044+10.32, 23.45 RT	REMOVE POLE	BY OTHERS
I.8 32	1044+12.28, 28.97 RT	REMOVE ELECTRIC BOX	BY OTHERS
I.8 33	1044+13.50, 28.99 RT	REMOVE ELECTRIC BOX	BY OTHERS
I.8 50	1046+61.19, 54.74 RT	REMOVE POLE	BY OTHERS
I.8 58	1047+19.84, 45.11 LT	REMOVE CONCRETE STEPS	
I.8 60	1047+60.22, 42.39 LT	REMOVE LANDSCAPING	
I.8 61	1047+63.87, 38.59 LT	REMOVE RETAINING WALL	34 LF
I.9 2	1047+81.66, 42.88 LT	REMOVE CONCRETE STEPS	
I.9 3	1047+91.76, 38.46 LT	REMOVE RETAINING WALL	24 LF
I.9 4	1047+94.50, 42.80 LT	REMOVE LANDSCAPING	
I.9 6	1048+44.19, 44.34 LT	REMOVE CONCRETE STEPS	
I.9 10	1049+35.66, 45.42 LT	REMOVE CONCRETE STEPS	
I.9 24	1052+27.64, 42.43 RT	REMOVE BENCH	SALVAGE TO CITY
I.9 35	1050+30.77, 43.61 LT	REMOVE CONCRETE STEPS	
I.9 37	1051+18.23, 42.12 LT	REMOVE CONCRETE STEPS	
I.9 39	1051+70.38, 43.38 LT	REMOVE CONCRETE STEPS	
I.9 47	1052+62.68, 42.84 LT	REMOVE RETAINING WALL	10 LF
I.9 48	1052+65.31, 47.34 LT	REMOVE CONCRETE STEPS	
I.9 49	1052+68.63, 60.31 LT	REMOVE RETAINING WALL	24 LF
I.9 57	1053+27.14, 56.59 LT	REMOVE POLE	BY OTHERS
I.9 60	1053+37.41, 48.81 LT	REMOVE UTILITY BOX	BY OTHERS
I.9 62	1053+47.07, 31.59 LT	REMOVE BENCH	SALVAGE TO CITY
I.20 1	1053+72.95, 42.19 LT	REMOVE CONCRETE STEPS	
I.20 5	1054+95.61, 40.45 LT	REMOVE CONCRETE STEPS	
I.21 10	1059+88.14, 69.61 LT	REMOVE UTILITY VAULT	BY OTHERS
I.21 14	1060+26.93, 69,61 LT	REMOVE POLE	BY OTHERS
I.21 29	1060+27.53, 44.37 RT	REMOVE POLE	BY OTHERS
I.21 40	1064+30.72, 28.45 LT	REMOVE POLE	BY OTHERS
I.21 41	1064+64.81, 39.57 LT	REMOVE CONCRETE STEPS	
I.21 44	1065+32.40, 40.76 LT	REMOVE CONCRETE STEPS	
I.21 49	1064+10.46, 42.53 RT	REMOVE CONCRETE STEPS	
I.21 53	1064+65.02, 42.30 RT	REMOVE CONCRETE STEPS	
I.21 54	1065+06.16, 32.22 RT	RMEOVE POLE	BY OTHERS
I.22 3	1065+80.09, 40.04 LT	REMOVE CONCRETE STEPS	
I.22 5	1066+24.72, 41.31 LT	REMOVE CONCRETE STEPS	
I.22 7	1066+39.96, 47.63 LT	REMOVE RETAINING WALL	83 LF
I.22 35	1067+57.33, 40.60 RT	REMOVE CONCRETE STEPS	
I.22 38	1068+14.91, 41.34 RT	REMOVE CONCRETE STEPS	
I.22 39	1068+57.44, 41.62 RT	REMOVE CONCRETE STEPS	
I.22 41	1068+97.59, 41.39 RT	REMOVE CONCRETE STEPS	
I.22 60	1066+36.64, 113.24 LT	REMOVE CONCRETE STEPS	
I.22 61	1066+39.94, 130.43 LT	REMOVE RETAINING WALL	55 LF
I.23 1	1071+61.38, 43.92 LT	RELOCATE FLOWER POT	
I.23 2	1071+66.24, 41.98 LT	REMOVE CONCRETE STEPS	
I.23 3	1071+71.31, 44.05 LT	RELOCATE FLOWER POT	
I.23 4	1071+75.25, 38.99 LT	REMOVE IRRIGATION SYSTEM	AND CAP
I.23 12	1071+68.97, 42.46 RT	REMOVE LANDSCAPING	
I.25 11	184+44.60, 23.16 LT	REMOVE POLE	BY OTHERS
I.26 9	190+40.25, 35.71' RT	REMOVE ELECTRIC BOX	BY OTHERS
I.26 10	190+41.52, 39.35 RT	REMOVE POLE	BY OTHERS
I.27 7	123+57.55, 25.15 LT	REMOVE POLE	BY OTHERS
I.27 8	123+65.69, 32.67 LT	REMOVE CONCRETE STEPS	
I.27 10	124+07.74, 34.58 RT	REMOVE CONCRETE STEPS	
I.27 13	123+32.70, 36.20 RT	REMOVE RETAINING WALL	11 LF
		BID ITEM 2213-7100400	RELOCATION OF MAILBOXES
I.3 23	1013+68.81, 32.66 RT	RELOCATE MAILBOX	
		BID ITEM 2519-4200090	REMOVAL AND REINSTALLATION OF FENCE, WOOD
I.7 33	1038+22.02, 44.90 RT	REMOVE WOODEN FENCE	AND REINSTALL 24 LF
I.7 37	1038+59.50, 45.39 RT	REMOVE WOODEN FENCE	AND REINSTALL 23 LF
		BID ITEM 2525-0000120	REMOVAL OF TRAFFIC SIGNALIZATION
I.2 25	1010+08.10, 54.08 LT	REMOVE SIGNAL POLE	

PROJECT NO:	STBG-SWAP-1185(657)--SG-07	DESIGNED BY:	K. WOLLNER
PROJECT DATE:	11/15/2022	CHECKED BY:	C. CARPER
CAD DATE:	9/6/2022 11:22:48 AM	DRAWN BY:	K. WOLLNER
CAD FILE:	c:\pw_workdir\pw_ie\cjcld0595659\21C017.02_C sheets.xlsm		

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

ESTIMATED QUANTITIES

SHEET NO.
C.14
STBG-SWAP-1185(657)--SG-07

2010-01
01-01-16

REMOVALS, AS PER PLAN

*ALL ITEMS ARE INCIDENTAL.

No.	Location	Description	Remarks
I.2 29	1010+11.10, 51.49 RT	REMOVE SIGNAL POLE	
I.2 38	1010+85.56, 50.47 RT	REMOVE SIGNAL POLE	
I.2 52	1010+64.78, 47.89 LT	REMOVE SIGNAL POLE	
I.6 17	1032+70.51, 53.08 RT	REMOVE SIGNAL POLE	
I.6 24	1032+29.04, 48.13 LT	REMOVE SIGNAL POLE	
I.6 37	1033+38.52, 62.96 LT	REMOVE SIGNAL POLE	
I.6 55	1033+61.68, 43.29 RT	REMOVE SIGNAL POLE	
I.9 26	1052+47.51, 42.54 RT	REMOVE SIGNAL POLE	
I.9 46	1052+64.30, 40.48 LT	REMOVE SIGNAL POLE	
I.9 61	1053+36.71, 41.22 LT	REMOVE SIGNAL POLE	
I.9 68	1053+43.49, 40.60 RT	REMOVE SIGNAL POLE	
I.21 42	1064+68.81, 30.43 LT	REMOVE SIGNAL POLE	
I.21 52	1064+61.57, 30.51 RT	REMOVE SIGNAL POLE	
I.23 11	1073+08.75, 47.63 LT	REMOVE SIGNAL POLE	
I.23 18	1072+99.59, 29.53 RT	REMOVE SIGNAL POLE	
I.23 21	1073+54.38, 31.49 RT	REMOVE SIGNAL POLE	
I.23 32	1073+54.82, 41.33 LT	REMOVE TRAFFIC CONTROL BOX	
I.23 33	1073+55.90, 44.53 LT	REMOVE SIGNAL POLE	

110-14
04-16-13

SANITARY OR STORM SEWER ABANDONMENT OR REMOVAL

* Not a bid item

Location/Description	Sanitary or Storm Sewer	Abandonment, Plug Only or Abandonment, Plug and Fill or Removal	Length of Pipe		Fill Material*	Remarks
			≤ 36 inch diameter	> 36 inch diameter	Flowable Mortar or CLSM	
			LF	LF	CY	
1003+38.15, 108.91 LT	Storm Sewer	Removal	10			I.1 9
1005+05.97, 31.69 LT	Sanitary Sewer	Removal	158			I.1 15
1006+13.04, 28.15 LT	Sanitary Sewer	Removal	38			I.2 66
1007+37.58, 29.00 LT	Storm Sewer	Removal	10			I.2 9
1007+36.59, 9.66 RT	Storm Sewer	Removal	53			I.2 11
1008+39.11, 27.84 RT	Storm Sewer	Removal	203			I.2 16
1010+32.54, 45.57 LT	Storm Sewer	Removal	49			I.2 26
1010+95.80, 32.21 RT	Storm Sewer	Removal	23			I.2 42
1010+84.33, 14.43 RT	Storm Sewer	Removal	66			I.2 59
1011+39.73, 22.20 RT	Storm Sewer	Removal	320			I.2 61
1008+59.81, 29.98 LT	Sanitary Sewer	Removal	240			I.2 63
1008+87.65, 6.06 RT	Sanitary Sewer	Removal	68			I.2 64
1012+14.60, 3.02 RT	Sanitary Sewer	Removal	60			I.3 3
1012+73.11, 26.24 RT	Sanitary Sewer	Removal	477			I.3 11
1014+08.62, 9.09 RT	Storm Sewer	Removal	50			I.3 29
1014+28.37, 77.73 RT	Storm Sewer	Removal	50			I.3 33
1017+35.64, 28.64 RT	Sanitary Sewer	Removal	396			I.3 57
1021+17.62, 1.90 RT	Storm Sewer	Removal	54			I.4 23
1021+94.20, 25.67 LT	Storm Sewer	Removal	329			I.4 24
1022+88.98, 26.01 RT	Sanitary Sewer	Removal	329			I.4 31
1024+27.81, 25.66 RT	Sanitary Sewer	Removal	23			I.5 7
1024+50.67, 6.18 RT	Storm Sewer	Removal	55			I.5 11
1023+98.05, 13.24 LT	Sanitary Sewer	Removal	80			I.5 12
1024+16.59, 11.86 RT	Sanitary Sewer	Removal	26			I.5 13
1024+39.08, 15.02 LT	Sanitary Sewer	Removal	60			I.5 14
1025+51.70, 28.29 LT	Storm Sewer	Removal	263			I.5 22
1025+89.43, 25.67 RT	Sanitary Sewer	Removal	210			I.5 27
1027+19.13, 6.28 LT	Storm Sewer	Removal	54			I.5 32
1027+66.81, 27.98 LT	Storm Sewer	Removal	315			I.5 36
1028+84.03, 25.79 RT	Sanitary Sewer	Removal	330			I.5 48
1030+26.25, 3.11 LT	Storm Sewer	Removal	58			I.6 1
1031+15.88, 34.63 LT	Storm Sewer	Removal	134			I.6 4
1029+78.64, 32.37 RT	Sanitary Sewer	Removal	10			I.6 5
1030+16.01, 34.25 RT	Storm Sewer	Removal	17			I.6 7
1030+52.64, 25.32 RT	Sanitary Sewer	Removal	200			I.6 9
1033+10.13, 33.67 RT	Storm Sewer	Removal	94			I.6 19
1032+03.07, 53.61 LT	Storm Sewer	Removal	84			I.6 23
1032+78.14, 64.28 LT	Storm Sewer	Removal	70			I.6 32
1033+67.44, 4.36 RT	Storm Sewer	Removal	70			I.6 45
1035+12.95, 0.65 RT	Sanitary Sewer	Removal	312			I.6 66
1035+41.25, 2.81 LT	Storm Sewer	Removal		72		I.6 68
1035+61.06, 29.03 LT	Storm Sewer	Removal		75		I.6 70
1036+51.07, 29.97 LT	Storm Sewer	Removal	113			I.7 7
1038+33.42, 30.73 LT	Storm Sewer	Removal	215			I.7 16
1039+82.54, 30.72 LT	Storm Sewer	Removal	334			I.7 23

110-14
04-16-13

SANITARY OR STORM SEWER ABANDONMENT OR REMOVAL

* Not a bid item

Location/Description	Sanitary or Storm Sewer	Abandonment, Plug Only or Abandonment, Plug and Fill or Removal	Length of Pipe ≤ 36 inch diameter	Length of Pipe > 36 inch diameter	Fill Material* Flowable Mortar or CLSM	Remarks
			LF	LF	CY	
1039+77.59, 19.06 RT	Sanitary Sewer	Removal	34			I.7 45
1039+96.63, 6.03 RT	Storm Sewer	Removal	84			I.7 46
1041+22.61, 7.65 RT	Sanitary Sewer	Removal	290			I.7 66
1041+30.42, 0.13 RT	Sanitary Sewer	Removal	331			I.7 67
1043+08.72, 43.73 LT	Sanitary Sewer	Removal	40			I.8 7
1043+08.83, 25.02 RT	Sanitary Sewer	Removal	32			I.8 20
1043+08.56, 4.09 RT	Sanitary Sewer	Removal	7			I.8 22
1043+22.92, 2.23 LT	Storm Sewer	Removal	91			I.8 36
1043+51.02, 30.50 LT	Storm Sewer	Removal	333			I.8 37
1044+84.55, 0.25 RT	Sanitary Sewer	Removal	332			I.8 40
1046+62.87, 11.09 RT	Storm Sewer	Removal	86			I.8 54
1047+06.99, 0.00 LT	Sanitary Sewer	Removal	330			I.8 57
1051+35.31, 0.20 LT	Sanitary Sewer	Removal	335			I.9 20
1052+67.99, 19.64 RT	Storm Sewer	Removal	111			I.9 27
1053+02.54, 52.84 LT	Storm Sewer	Removal	39			I.9 55
1053+01.92, 59.43 LT	Sanitary Sewer	Removal	64			I.9 64
1053+15.84, 0.11 LT	Sanitary Sewer	Removal	371			I.9 66
1052+56.78, 76.14 RT	Storm Sewer	Removal	312			I.9 76
1056+62.76, 22.09 LT	Storm Sewer	Removal	14			I.10 12
1056+64.45, 15.91 RT	Storm Sewer	Removal	44			I.10 26
1056+82.65, 23.29 LT	Storm Sewer	Removal	32			I.10 32
1058+50.48, 0.09 LT	Sanitary Sewer	Removal	335			I.10 52
1059+88.99, 11.74 LT	Storm Sewer	Removal	46			I.11 1
1059+96.00, 42.89 LT	Storm Sewer	Removal	83			I.11 6
1060+24.66, 20.08 LT	Storm Sewer	Removal	58			I.11 7
1060+06.42, 19.32 RT	Storm Sewer	Removal	40			I.11 11
1059+95.87, 52.49 RT	Storm Sewer	Removal	44			I.11 12
1061+30.82, 0.31 LT	Sanitary Sewer	Removal	331			I.11 32
1064+07.33, 0.41 LT	Sanitary Sewer	Removal	331			I.11 39
1067+93.00, 0.11 LT	Sanitary Sewer	Removal	323			I.12 21
1071+16.26, 0.18 LT	Sanitary Sewer	Removal	343			I.12 56
1082+76.82, 2.77 RT	Storm Sewer	Removal	35			I.15 4
128+33.23, 40.25 LT	Storm Sewer	Removal	44			I.18 6
		TOTAL:				
		STORM SEWER	**4579**	**147**		
		SANITARY SEWER	**6846**			
			LESS THAN	MORE THAN		

110-15
04-16-13

REMOVAL OF INTAKES AND UTILITY ACCESSES

No.	Location/Description	Type	Remarks
I.1 10	1004+49.22, 34.53 LT	Utilities	SANITARY MANHOLE
I.2 1	1006+07.67, 33.14 LT	Utilities	SANITARY MANHOLE
I.2 5	1006+44.87, 36.49 RT	Utilities	SANITARY MANHOLE
I.2 8	1007+38.62, 32.06 RT	Intakes	
I.2 10	1007+38.05, 22.44 RT	Utilities	STORM SEWER MANHOLE
I.2 12	1007+40.03, 27.42 RT	Intakes	
I.2 15	1007+90.70, 31.28 RT	Utilities	RELOCATE MANHOLE BY OTHERS
I.2 17	1008+83.55, 32.42 LT	Utilities	SANITARY MANHOLE
I.2 19	1009+40.38, 27.42 RT	Utilities	STORM SEWER MANHOLE
I.2 24	1010+11.49, 45.64 LT	Intakes	
I.2 27	1010+11.39, 45.14 RT	Utilities	
I.2 40	1010+93.03, 46.42 RT	Utilities	
I.2 43	1011+03.73, 38.44 RT	Intakes	
I.2 51	1010+59.64, 37.58 LT	Intakes	
I.2 54	1010+73.92, 45.69 LT	Utilities	
I.2 58	1010+86.40, 37.32 LT	Utilities	REMOVE MANHOLE BY OTHERS
I.2 60	1010+87.88, 21.91 RT	Utilities	STORM SEWER MANHOLE
I.2 62	1011+55.74, 18.91 LT	Utilities	REMOVE MANHOLE BY OTHERS
I.3 5	1012+15.31, 26.08 RT	Utilities	SANITARY MANHOLE
I.3 9	1012+58.67, 36.19 LT	Utilities	
I.3 15	1012+84.92, 37.97 RT	Utilities	REMOVE MANHOLE BY OTHERS
I.3 17	1012+83.66, 4.12 LT	Utilities	REMOVE MANHOLE BY OTHERS
I.3 28	1014+08.15, 23.58 RT	Utilities	STORM SEWER MANHOLE
I.3 30	1014+09.48, 26.39 LT	Intakes	
I.3 35	1014+58.00, 28.23 RT	Intakes	
I.3 55	1016+91.54, 26.60 RT	Utilities	SANITARY MANHOLE
I.3 59	1017+24.40, 20.08 LT	Utilities	REMOVE MANHOLE BY OTHERS
I.4 11	1020+87.79, 26.45 RT	Utilities	SANITARY MANHOLE
I.4 21	1021+19.26, 26.58 RT	Intakes	
I.4 22	1021+16.02, 26.80 RT	Intakes	
I.4 26	1022+17.31, 19.13 LT	Utilities	REMOVE MANHOLE BY OTHERS
I.4 27	1022+25.89, 19.06 LT	Utilities	REMOVE MANHOLE BY OTHERS
I.5 4	1023+95.33, 40.53 RT	Utilities	REMOVE MANHOLE BY OTHERS
I.5 5	1023+97.88, 45.87 RT	Utilities	SANITARY MANHOLE
I.5 6	1024+16.55, 25.73 RT	Utilities	SANITARY MANHOLE
I.5 9	1024+39.07, 25.59 RT	Utilities	SANITARY MANHOLE
I.5 10	1024+50.05, 26.10 RT	Intakes	
I.5 17	1024+51.76, 28.54 LT	Intakes	
I.5 28	1026+49.03, 25.71 RT	Utilities	SANITARY MANHOLE
I.5 33	1027+19.56, 27.89 LT	Intakes	
I.5 34	1027+25.92, 21.19 LT	Utilities	REMOVE MANHOLE BY OTHERS
I.5 39	1027+18.49, 25.74 RT	Intakes	
I.6 2	1030+32.65, 29.78 LT	Intakes	
I.6 6	1029+78.62, 25.80 RT	Utilities	SANITARY MANHOLE
I.6 8	1030+15.84, 25.19 RT	Intakes	
I.5 11	1031+81.14, 16.03 RT	Utilities	SANITARY MANHOLE
I.6 13	1032+52.88, 30.43 RT	Utilities	REMOVE MANHOLE BY OTHERS
I.6 14	1032+69.62, 34.77 RT	Intakes	
I.6 16	1032+72.95, 48.14 RT	Utilities	
I.6 25	1032+34.69, 47.26 LT	Utilities	
I.6 26	1032+39.77, 51.97 LT	Utilities	
I.6 28	1032+47.97, 59.77 LT	Utilities	REMOVE MANHOLE BY OTHERS
I.6 29	1032+57.63, 59.30 LT	Utilities	STORM SEWER MANHOLE
I.6 30	1032+56.68, 69.11 LT	Intakes	
I.6 35	1033+25.91, 75.90 LT	Intakes	
I.6 40	1033+69.44, 33.02 LT	Intakes	
I.6 44	1033+63.85, 4.17' RT	Intakes	
I.6 47	1034+02.39, 0.83 LT	Utilities	SANITARY MANHOLE
I.6 50	1033+52.08, 51.66 RT	Utilities	
I.6 51	1033+50.48, 45.67 RT	Utilities	
I.6 54	1033+64.43, 46.41 RT	Utilities	
I.6 56	1033+65.93, 32.41 RT	Intakes	
I.6 69	1035+43.33, 28.72 LT	Intakes	
I.7 3	1036+18.76, 30.03 LT	Intakes	
I.7 8	1037+14.19, 4.61 RT	Utilities	SANITARY MANHOLE
I.7 9	1037+14.19, 4.61 RT	Intakes	
I.7 22	1039+51.70, 30.72 LT	Intakes	
I.7 44	1039+77.60, 0.18 LT	Utilities	SANITARY MANHOLE
I.7 49	1040+07.86, 28.29 RT	Utilities	REMOVE MANHOLE BY OTHERS
I.7 50	1040+16.80, 22.53 RT	Intakes	
I.7 51	1040+19.04, 7.62 RT	Utilities	SANITARY MANHOLE
I.8 4	1042+85.51, 30.69 LT	Intakes	
I.8 21	1043+08.65, 7.68 RT	Utilities	SANITARY MANHOLE
I.8 24	1043+08.48, 0.49 RT	Utilities	SANITARY MANHOLE
I.8 29	1043+57.58, 24.13 RT	Intakes	
I.8 46	1046+18.09, 29.73 LT	Intakes	
I.8 47	1046+40.63, 0.03 RT	Utilities	SANITARY MANHOLE
I.8 48	1046+52.57, 12.22 LT	Utilities	WATER MANHOLE
I.8 49	1046+60.49, 12.52' LT	Utilities	WATER MANHOLE
I.8 53	1046+81.73, 28.28 RT	Intakes	

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04-16-13

REMOVAL OF INTAKES AND UTILITY ACCESSES

No.	Location/Description	Type	Remarks
I.9 16	1049+70.51, 0.14 LT	Utilities	SANITARY MANHOLE
I.9 25	1052+36.78, 30.44 RT	Utilities	
I.9 29	1052+60.19, 57.18 RT	Utilities	STORM SEWER MANHOLE
I.9 41	1052+54.65, 31.58 RT	Utilities	REMOVE MANHOLE BY OTHERS
I.9 45	1052+66.91, 31.59 LT	Utilities	REMOVE MANHOLE BY OTHERS
I.9 50	1052+78.01, 40.15 LT	Utilities	REMOVE MANHOLE BY OTHERS
I.9 51	1052+77.93, 52.44 LT	Utilities	
I.9 52	1052+83.01, 51.81 LT	Intakes	
I.9 56	1053+22.06, 53.86 LT	Intakes	
I.9 63	1053+53.33, 31.36 LT	Utilities	
I.9 65	1053+05.42, 0.14 LT	Utilities	SANITARY MANHOLE
I.9 67	1053+28.38, 69.62 RT	Utilities	
I.9 69	1053+53.22, 28.74 RT	Utilities	
I.10 1	1056+61.59, 18.02 LT	Utilities	WATER MANHOLE
I.10 1	1056+60.54, 28.53 LT	Intakes	
I.10 2	1056+63.93, 47.47 RT	Utilities	STORM SEWER MANHOLE
I.10 3	1056+76.42, 0.06 RT	Utilities	SANITARY MANHOLE
I.10 4	1056+64.97, 15.64 LT	Utilities	STORM SEWER MANHOLE
I.10 4	1057+00.33, 30.94 LT	Intakes	
I.11 2	1060+11.46, 0.23 LT	Utilities	SANITARY MANHOLE
I.11 3	1059+84.46, 28.87 LT	Intakes	
I.11 8	1059+96.10, 15.09 RT	Utilities	STORM SEWER MANHOLE
I.11 1	1060+32.46, 29.70 LT	Intakes	
I.11 3	1060+33.37, 30.32 RT	Intakes	
I.11 3	1063+42.31, 0.45 LT	Utilities	SANITARY MANHOLE
I.12 6	1066+73.28, 0.24 LT	Utilities	SANITARY MANHOLE
I.12 3	1069+96.26, 0.11 RT	Utilities	SANITARY MANHOLE
I.13 2	1073+39.22, 0.21 RT	Utilities	SANITARY MANHOLE
I.13 3	1074+36.96, 27.35' LT	Intakes	
I.15 1	182+77.06, 20.72 LT	Intakes	
I.15 3	182+75.92, 15.53 RT	Intakes	
I.18 2	128+24.94, 31.73 RT	Intakes	
I.18 4	128+24.89, 28.34 LT	Intakes	
I.18 7	128+47.14, 65.78 LT	Intakes	STORM SEWER TOP ONLY
I.18 1	129+04.28, 36.36 RT	Utilities	STORM SEWER MANHOLE
	TOTAL:	**INTAKES**	**43**
		MANHOLES	**72**

4000-01
01-01-16

ADJUSTMENT OF STRUCTURES

No.	Location	Existing Rim Elevation	Proposed Rim Elevation	Description	Notes
I.1 13	1004+86.82, 27.99 LT	872.87	872.16	UTILITY MANHOLE	ADJUSTMENT BY OTHERS
I.1 14	1005+00.96, 35.49 LT	872.78	872.71	GAS VALVE	ADJUSTMENT BY OTHERS
I.1 17	1005+31.09, 29.98 LT	872.41	872.31	UTILITY MANHOLE	ADJUSTMENT BY OTHERS
I.2 5	1006+44.87, 36.49 LT	871.71	871.36	MANHOLE-MINOR	
I.2 47	1011+57.42, 51.85 RT	873.86	873.84	MANHOLE-MINOR	
I.6 18	1032+88.54, 31.72 RT	864.14	864.57	MANHOLE-MAJOR	
I.6 41	1033+75.69, 44.03 LT	864.04	864.26	MANHOLE-MINOR	
I.6 48	1032+89.04, 31.99 LT	864.15	864.19	MANHOLE-MINOR	
I.8 19	1042+88.71, 48.56 RT	871.80	871.60	UTILITY BOX	ADJUSTMENT BY OTHERS
I.15 6	183+65.35, 21.07 RT	871.68	871.64	MANHOLE-MINOR	
I.15 7	183+69.35, 21.17 RT	871.57	871.50	MANHOLE-MINOR	
I.18 8	128+76.17, 38.56 LT	869.20	869.15	MANHOLE-MINOR	
			TOTAL:	**7 MINOR**	
				1 MAJOR	

5010-04
01-01-16

LIST OF WATER MAIN REMOVALS

Location Station to Station		Side	Pipe Dia. (Inches)	Length (Feet)	Notes
1002+94.0	1003+04.0	LT	6.0	10.0	
1004+22.78, 24.38		LT			I.1 4- WATER VALVE
1004+24.3	1004+34.3	LT	6.0	10.0	
1004+28.47, 36.69		LT			I.1 6- WATER VALVE
10042+89.70, 18.70		RT			I.1 7- WATER VALVE
1004+75.0	1004+85.0	LT	6.0	10.0	
1006+00.91	1006+40.91	LT	6.0	40.0	
1006+10.39, 25.90		LT			I.2 65- WATER VALVE
1007+19.60	1007+39.60	LT	6.0	20.0	
1008+21.01	1008+31.01	LT	6.0	10.0	
1008+87.85	1008+92.85	LT	6.0	5.0	
1010+43.67	1010+43.73	LT	6.0	5.0	
1010+04.15, 3.66		RT			I.2 22- WATER VALVE
1010+67.43, 17.81		RT			I.2 23- WATER VALVE
1011+16.99	1011+21.98	LT	6.0	5.0	
1011+25.14, 43.63		RT			I.2 45- WATER VALVE
1011+48.47	1011+53.47	RT	6.0	5.0	
1011+67.72	1011+72.72	RT	6.0	5.0	
1011+68.31	1011+83.20	LT	6.0	15.0	
1010+77.67, 25.19		RT			I.3 1- WATER VALVE
1012+08.12	1012+13.12	RT	4.0	5.0	
1012+10.73, 29.57		RT			I.3 4- WATER VALVE
1012+12.70	1012+17.70	LT	4.0	5.0	
1012+80.75	1012+85.75	RT	4.0	5.0	
1012+83.30	1012+88.29	LT	4.0	5.0	
1013+35.55	1013+35.49	RT	4.0	5.0	
1014+66.01	1014+71.01	LT	4.0	5.0	
1015+71.48	1015+76.48	LT	4.0	5.0	
1016+98.46	1016+98.39	LT	4.0	5.0	
1017+26.99, 10.00		LT			I.3 59- WATER VALVE
1018+75.61	1018+80.61	LT	4.0	5.0	
1020+42.13	1020+47.13	LT	4.0	5.0	
1020+95.26	1020+95.26	RT	4.0	5.0	
1020+95.33, 30.88		RT			I.4 12 -WATER VALVE
1020+96.05, 45.33		LT			I.4 15- WATER VALVE
1021+08.19	1021+13.18	LT	4.0	5.0	
1022+09.07	1022+14.07	LT	4.0	5.0	
1023+68.50	1023+73.50	LT	4.0	5.0	
1023+96.47	1024+01.47	LT	4.0	5.0	
1024+09.69	1024+09.69	LT	6.0	5.0	
1024+09.51	1024+09.51		6.0	5.0	
1024+09.74	1024+09.74	RT	6.0	5.0	
1024+09.70, 20.62		RT			I.5 3- WATER VALVE
1024+37.04	1024+42.04	LT	4.0	5.0	
1025+83.14	1025+88.14	LT	4.0	5.0	
1026+87.55, 14.85		RT			I.5 30- WATER VALVE
1027+97.42	1028+02.42	LT	4.0	5.0	
1028+71.62, 10.16		LT			I.5 44- WATER VALVE
1030+13.37	1030+18.33	LT	4.0	5.0	
1032+80.77	1032+81.34	LT	6.0	5.0	
1033+77.75	1033+78.18	LT	4.0	5.0	
1033+86.14	1034+43.80	LT	4.0	58.0	
1033+96.68	1033+96.81	LT	4.0	10.0	
1033+96.67, 14.78		LT			I.5 46- WATER VALVE
1033+97.59	1033+97.99	RT	4.0	17.0	
1035+12.67	1035+17.64	LT	4.0	5.0	
1035+41.04	1035+51.04	LT	4.0	10.0	
1036+11.15	1036+26.15	LT	4.0	15.0	
1036+18.69	1036+19.26	LT	4.0	5.0	
1036+19.06, 13.55		LT			I.7 6-WATER VALVE
1036+23.75	1036+23.75	RT	4.0	5.0	
1036+88.76	1036+93.81	LT	4.0	5.0	
1038+52.37	1038+57.37	LT	4.0	5.0	
1039+44.67, 14.13		LT			I.7 21- WATER VALVE
1039+91.72, 32.64		LT			I.7 60- WATER VALVE
1040+20.29	1040+25.29	LT	4.0	5.0	
1041+83.91	1041+88.91	LT	4.0	5.0	
1042+89.17, 22.30		LT			I.8 3- WATER VALVE
1043+06.07	1043+11.07	LT	4.0	5.0	
1043+17.25, 9.55		RT			I.8 25- WATER VALVE
1043+54.63	1043+59.63	LT	4.0	5.0	
1045+26.79	1045+31.79	LT	4.0	5.0	
1046+56.54	1046+56.36	LT	4.0	15.0	
1046+57.12	1046+57.06	LT	6.0	5.0	
1046+58.33	1046+58.61	LT	6.0	5.0	
1046+59.28	1046+59.22	RT	6.0	5.0	
1046+59.88	1046+59.82	RT	6.0	5.0	
1046+87.43	1046+92.43	LT	4.0	5.0	

5010-0
01-01-16

LIST OF WATER MAIN REMOVALS

Location Station to Station		Side	Pipe Dia. (Inches)	Length (Feet)	Notes
1047+26.62, 30.17		RT			I.8 55- WATER VALVE
1048+18.32	1048+23.32	LT	4.0	5.0	
1051+86.69	1051+91.69	LT	4.0	5.0	
1052+17.44, 31.09		LT			I.9 40- WATER VALVE
1052+61.29, 29.14		LT			I.9 43 WATER VALVE
1052+69.07, 29.64		LT			I.9 44- WATER VALVE
1053+12.94	1053+12.94	LT	12.0	5.0	
1053+12.96	1053+12.96	LT	12.0	5.0	
1053+13.24, 39.08		LT			I.9 58- WATER VALVE
1053+16.50, 31.47		LT			I.9 59- WATER VALVE
1053+25.82	1053+25.82		12.0	5.0	
1053+25.34	1053+25.27	LT	12.0	5.0	
1053+77.17	1053+82.17	LT	8.0	5.0	
1054+60.04	1054+75.04	LT	8.0	15.0	
1056+22.63	1056+27.63	LT	8.0	5.0	
1056+59.11	1056+64.11	LT	8.0	5.0	
1056+87.92	1056+87.92	RT	8.0	5.0	
1056+89.01	1056+89.01		8.0	5.0	
1057+00.09, 19.03		LT			I.10 44- WATER VALVE
1057+12.59, 28.79		LT			I.10 46- WATER VALVE
1057+24.61	1057+29.61	LT	8.0	5.0	
1057+77.61, 41.71		LT			I.10 49- WATER VALVE
1057+94.58, 39.21		LT			I.10 50- WATER VALVE
1059+91.82	1059+96.82	LT	8.0	5.0	
1060+54.23	1060+59.23	LT	8.0	5.0	
1063+08.26, 14.05		LT			I.11 26- WATER VALVE
1063+14.83	1063+19.83	LT	8.0	5.0	
1063+16.43	1063+16.43		8.0	5.0	
1063+16.59, 20.25		RT			I.11 35- WATER VALVE
1063+87.69	1063+92.69	LT	8.0	5.0	
1066+19.27	1066+24.27	LT	8.0	5.0	
1067+06.60, 30.00		LT			I.12 18- WATER VALVE
1069+53.00	1069+58.00	LT	8.0	5.0	
1069+64.13, 15.93		LT			I.12 30- WATER VALVE
1070+09.13	1070+09.13		6.0	5.0	
1070+09.25	070+09.25	RT	6.0	5.0	
1070+22.54	1070+27.54	LT	8.0	5.0	
1070+38.00, 27.38		LT			I.12 54- WATER VALVE
1070+44.28, 14.69		LT			I.12 55- WATER VALVE
1070+78.03	1070+83.03	LT	8.0	5.0	
1072+08.66	1072+13.66	LT	8.0	5.0	
1073+50.24, 14.22		LT			I.13 25- WATER VALVE
1073+51.55	1073+51.50	LT	8.0	5.0	
1073+54.21, 14.09		LT			I.13 26- WATER VALVE
1073+53.37, 22.15		LT			I.13 27- WATER VALVE
1073+51.71, 43.89		LT			I.13 34- WATER VALVE
190+56.92, 27.76		RT			I.16 14- WATER VALVE
			TOTAL :	**42.0**	**WATER VALVES**
				600 LF	**WATER MAIN REMOVAL**

PROJECT NO:	STBG-SWAP-1185(657)--SG-07	DESIGNED BY:	K. WOLLNER
PROJECT DATE:	11/15/2022	CHECKED BY:	C. CARPER
CAD DATE:	9/6/2022 11:23:01 AM	DRAWN BY:	K. WOLLNER
CAD FILE:	c:\pw_workdir\pw_ielcjcld0595659\21C017.02_C sheets.xlsm		

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

ESTIMATED QUANTITIES

SHEET NO.
C.18
STBG-SWAP-1185(657)--SG-07

5020-03
01-01-16

HYDRANT ASSEMBLY REMOVALS

Location	Each	Notes
1004+28.92, 40.73 LT	1	I.1 NOTE 5
1011+25.82, 46.67 RT	1	I.2 NOTE 44
1016+58.16, 23.47 LT	1	I.3 NOTE 50
1023+84.13, 35.92 LT	1	I.5 NOTE 2
1034+36.92, 47.85 RT	1	I.6 NOTE 57
1042+89.15, 41.57 LT	1	I.8 NOTE 5
1049+95.04, 40.51 LT	1	I.9 NOTE 32
1052+57.89, 29.65 LT	1	I.9 NOTE 42
1057+12.61, 31.51 LT	1	I.10 NOTE 45
1060+42.75, 31.56 LT	1	I.11 NOTE 17
1063+72.54, 31.33 LT	1	I.11 NOTE 38
1067+06.23, 32.59 LT	1	I.12 NOTE 17
1070+38.37, 30.23 LT	1	I.12 NOTE 53
1073+66.74, 29.61 LT	1	I.13 NOTE 29
TOTAL:	**14**	

5010-01
01-01-16

LIST OF WATER MAIN PIPE

Location Station to Station		Type	Pipe Dia. (Inches)	Length (Feet)	Notes
3900+01.5	3903+38.3	DUCTILE IRON	12.0	336.8	RESTRAINED - 2 FIELD LOK GASKETS AT REDUCER AND
					2 NITRILE GASKETS AT STORM SEWER CROSSING
4000+00.0	4002+31.1	DUCTILE IRON	12.0	231.1	RESTRAINED - 2 FIELD LOK GASKETS AT HORIZONTAL BENDS
					AND 4 NITRILE GASKETS AT STORM SEWER CROSSINGS
4002+31.1	4003+08.4	DUCTILE IRON	12.0	77.3	RESTRAINED - 2 FIELD LOK GASKETS AT HORIZONTAL BENDS
4003+08.4	4003+68.4	DUCTILE IRON	12.0	60.0	RESTRAINED - 2 FIELD LOK GASKETS AT HORIZONTAL BENDS
4003+68.4	4004+03.4	DUCTILE IRON	12.0	35.0	RESTRAINED - 2 FIELD LOK GASKETS AT HORIZONTAL BENDS
4004+03.4	4004+23.4	DUCTILE IRON	12.0	20.0	2 NITRILE GASKETS AT STORM SEWER CROSSING
4004+23.3	4004+78.4	DUCTILE IRON	12.0	55.1	RESTRAINED - 2 FIELD LOK GASKETS AT HORIZONTAL BENDS
					AND 2 NITRILE GASKETS AT STORM SEWER CROSSING
4004+78.4	4005+03.6	DUCTILE IRON	12.0	25.2	RESTRAINED - 1 FIELD LOK GASKET AT BEND AND REDUCER
4005+03.6	4005+49.3	DUCTILE IRON	12.0	45.7	RESTRAINED - 2 FIELD LOK GASKET AT HORIZONTAL BENDS
4005+49.3	4005+77.8	DUCTILE IRON	12.0	28.6	RESTRAINED - 1 FIELD LOK GASKET AT HORIZONTAL BEND
4005+77.8	4015+25.0	DUCTILE IRON	12.0	947.2	RESTRAINED - 1 FIELD LOK GASKET AT VERTICAL BENDS AND
					1 NITRILE GASKET AT STORM SEWER CROSSING
4015+25.0	4026+18.7	DUCTILE IRON	12.0	1093.7	RESTRAINED - 1 FIELD LOK GASKET AT VERTICAL BEND AND
					5 NITRILE GASKETS AT STORM SEWER CROSSING
4026+18.7	4026+54.9	DUCTILE IRON	12.0	36.2	RESTRAINED - 1 FIELD LOK GASKETS AT VERTICAL BENDS
4026+54.9	4027+12.6	DUCTILE IRON	12.0	57.7	RESTRAINED - 2 FIELD LOK GASKETS AT HORIZ/VERT BENDS
4027+12.6	4027+56.2	DUCTILE IRON	12.0	43.6	RESTRAINED - 2 FIELD LOK GASKETS AT HORIZONTAL BENDS
4027+56.2	4028+15.8	DUCTILE IRON	12.0	59.7	RESTRAINED - 2 FIELD LOK GASKETS AT HORIZONTAL BENDS
4028+15.8	4028+65.8	DUCTILE IRON	12.0	50.0	RESTRAINED - 2 NITRILE GASKETS AT STORM SEWER CROSSING
4028+65.8	4029+78.0	DUCTILE IRON	12.0	112.1	RESTRAINED - 5 NITRILE GASKETS ALONG STORM SEWER
4029+78.0	4030+01.4	DUCTILE IRON	12.0	23.5	RESTRAINED - 2 NITRILE GASKETS ALONG STORM SEWER
4030+01.4	4032+38.0	DUCTILE IRON	12.0	236.6	RESTRAINED - 2 FIELD LOK GASKETS AT VERTICAL BEND
4032+38.0	4033+10.5	DUCTILE IRON	12.0	72.5	RESTRAINED - 12 NITRILE GASKETS AT VERTICAL BENDS
4033+10.5	4036+42.5	DUCTILE IRON	12.0	332.0	RESTRAINED - 2 FIELD LOK GASKETS AT VERTICAL BENDS AND
					4 NITRILE GASKETS AT STORM SEWER CROSSING
4036+42.5	4039+78.2	DUCTILE IRON	12.0	335.7	RESTRAINED - 2 FIELD LOK GASKETS AT VERTICAL BENDS AND
					4 NITRILE GASKETS AT STORM SEWER CROSSING
4039+78.2	4043+08.4	DUCTILE IRON	12.0	330.2	RESTRAINED - 2 FIELD LOK GASKETS AT VERTICAL BENDS AND
					4 NITRILE GASKETS AT STORM SEWER CROSSING
4043+08.4	4046+16.3	DUCTILE IRON	12.0	307.9	RESTRAINED - 2 FIELD LOK GASKETS AT VERTICAL BEND AND
					1 NITRILE GASKET AT STORM SEWER CROSSING
4046+16.3	4047+54.9	DUCTILE IRON	12.0	138.6	RESTRAINED - 1 FIELD LOK GASKETS AT VERTICAL BEND AND
					1 NITRILE GASKET AT STORM SEWER CROSSING
4047+54.9	4048+31.8	DUCTILE IRON	12.0	76.9	RESTRAINED - 2 FIELD LOK GASKETS AT HORIZONTAL BENDS
4048+31.8	4048+73.8	DUCTILE IRON	12.0	42.0	RESTRAINED - 1 FIELD LOK GASKET AT HORIZONTAL BENDS
4048+73.8	4049+10.2	DUCTILE IRON	12.0	36.4	RESTRAINED - 1 FIELD LOK GASKET AT HORIZONTAL BENDS
4049+10.2	4049+42.1	DUCTILE IRON	12.0	31.9	RESTRAINED - 1 FIELD LOK GASKET AT HORIZONTAL BENDS
4049+42.1	4050+06.6	DUCTILE IRON	12.0	64.5	RESTRAINED - 1 FIELD LOK GASKETS AT HORIZONTAL BENDS
					AND 2 NITRILE GASKETS AT STORM SEWER CROSSING
4050+06.6	4050+74.1	DUCTILE IRON	12.0	67.5	RESTRAINED - 3 FIELD LOK GASKETS AT HORIZONTAL BENDS
4050+74.1	4051+04.4	DUCTILE IRON	12.0	30.3	RESTRAINED - 1 FIELD LOK GASKET AT HORIZONTAL BENDS
4051+04.4	4053+83.9	DUCTILE IRON	12.0	279.5	RESTRAINED - 2 FIELD LOK GASKETS AT HORIZ/VERT BENDS
					AND 2 NITRILE GASKETS AT STORM SEWER CROSSING
4053+83.9	4057+31.3	DUCTILE IRON	12.0	347.4	RESTRAINED - 12 NITRILE GASKETS AT STORM SEWER CROSSINGS
4057+31.3	4067+12.3	DUCTILE IRON	12.0	981.0	RESTRAINED - 2 FIELD LOK GASKETS AT VERTICAL BEND AND
					1 NITRILE GASKET AT STORM SEWER CROSSING

5010-0
01-01-16

LIST OF WATER MAIN PIPE

Location Station to Station		Type	Pipe Dia. (Inches)	Length (Feet)	Notes
4067+12.3	4071+05.5	DUCTILE IRON	12.0	408.4	RESTRAINED - 2 FIELD LOK GASKETS AT HORIZONTAL BEND AND
					1 NITRILE GASKET AT STORM SEWER CROSSING
4300+00.0	4300+13.7	DUCTILE IRON	12.0	13.7	
4300+13.7	4302+00.6	DUCTILE IRON	12.0	187.0	RESTRAINED - 3 FIELD LOK GASKETS AT HORIZONTAL BENDS
4051+08.9	4051+08.9	DUCTILE IRON	12.0	50.8	RESTRAINED - 2 FIELD LOK GASKETS AT HORIZONTAL BENDS
4051+08.9	4051+04.4	DUCTILE IRON	12.0	58.0	RESTRAINED - 2 FIELD LOK GASKETS AT HORIZONTAL BENDS
	TOTAL	**DUCTILE IRON**	**12.0**	**7767.3**	**RESTRAINED - 59 FIELD LOK GASKETS**
					69 NITRILE GASKETS
4004+66.6	4004+66.5	DUCTILE IRON	8.0	20.4	
4004+66.5	4004+77.7	DUCTILE IRON	8.0	60.6	RESTRAINED - 1 FIELD LOK GASKET AT HORIZONTAL BEND
4011+73.4	4011+73.3	DUCTILE IRON	8.0	57.9	RESTRAINED - 2 FIELD LOK GASKETS AT REDUCER AND TEE
4015+71.2	4015+71.2	DUCTILE IRON	8.0	140.4	RESTRAINED - 2 FIELD LOK GASKETS AT HORIZ/VERT BENDS
					AND 8 NITRILE GASKETS AT STORM SEWER CROSSING
4019+07.8	4019+07.8	DUCTILE IRON	8.0	170.0	RESTRAINED - 2 FIELD LOK GASKETS AT HORIZ/VERT BENDS
					AND 8 NITRILE GASKETS AT STORM SEWER CROSSING
4100+13.6	4028+64.3	DUCTILE IRON	8.0	204.7	RESTRAINED - 1 FIELD LOK GASKET AT HORIZONTAL BEND
4100+56.5	4100+56.5	DUCTILE IRON	8.0	17.4	
4200+00.0	4200+81.5	DUCTILE IRON	8.0	81.5	RESTRAINED - 16 NITRILE GASKETS AT STORM SEWER CROSSINGS
4039+59.8	4039+59.4	DUCTILE IRON	8.0	96.6	RESTRAINED - 2 FIELD LOK GASKETS AT HORIZ/VERT BENDS
					AND 8 NITRILE GASKETS AT STORM SEWER CROSSING
4042+91.1	4042+90.9	DUCTILE IRON	8.0	146.2	RESTRAINED - 4 FIELD LOK GASKETS AT HORIZONTAL BENDS
					AND 4 NITRILE GASKETS AT STORM SEWER CROSSINGS
4054+18.9	4054+33.4	DUCTILE IRON	8.0	14.5	
4054+33.4	4054+33.5	DUCTILE IRON	8.0	136.9	RESTRAINED - 2 FIELD LOK GASKETS AT HORIZONTAL BENDS
					AND 4 NITRILE GASKETS AT STORM SEWER CROSSINGS
4054+33.5	4054+16.5	DUCTILE IRON	8.0	17.0	
4060+46.3	4060+46.3	DUCTILE IRON	8.0	101.6	RESTRAINED - 3 FIELD LOK GASKETS AT TEE AND DEAD END
					AND 8 NITRILE GASKETS AT STORM SEWER CROSSING
4067+54.0	4067+54.0	DUCTILE IRON	8.0	18.5	RESTRAINED - 2 FIELD LOK GASKETS AT DEAD END
4067+54.0	4067+54.0	DUCTILE IRON	8.0	83.4	RESTRAINED - 1 FIELD LOK GASKET AT HORIZONTAL BEND
					AND 2 NITRILE GASKETS AT STORM SEWER CROSSING
	TOTAL	**DUCTILE IRON**	**8.0**	**1367.6**	**RESTRAINED - 22 FIELD LOK GASKETS**
					58 NITRILE GASKETS
4004+55.0	4004+66.6	DUCTILE IRON	6.0	11.5	
4018+70.5	4019+07.8	DUCTILE IRON	6.0	37.0	RESTRAINED - 1 FIELD LOK GASKET AT HORIZONTAL BEND
4100+00.0	4100+13.6	DUCTILE IRON	6.0	13.6	
4200+81.5	4200+85.5	DUCTILE IRON	6.0	34.0	HYDRANT SERVICE LINE AT FIRE STATION
4042+82.6	4042+91.1	DUCTILE IRON	6.0	8.4	
4042+84.3	4042+90.9	DUCTILE IRON	6.0	6.6	
4067+39.0	4067+54.0	DUCTILE IRON	6.0	15.0	
4077+77.3	4070+83.5	DUCTILE IRON	6.0	6.2	
	TOTAL	**DUCTILE IRON**	**6.0**	**132.3**	**RESTRAINED - 1 FIELD LOK GASKET**
3901+29.7	3901+29.7	DUCTILE IRON	4.0	61.3	RESTRAINED - 1 FIELD LOK GASKET AT TEE
4011+60.2	4011+73.4	DUCTILE IRON	4.0	13.2	
4015+57.0	4015+71.2	DUCTILE IRON	4.0	14.2	
4015+71.2	4015+56.1	DUCTILE IRON	4.0	15.1	
4018+70.8	4019+07.8	DUCTILE IRON	4.0	37.0	RESTRAINED - 1 FIELD LOK GASKET AT HORIZONTAL BEND
4100+56.5	4100+61.5	DUCTILE IRON	4.0	5.0	
4032+63.2	4032+54.1	DUCTILE IRON	4.0	83.9	RESTRAINED - 2 FIELD LOK GASKETS AT TEE AND BEND
					AND 8 NITRILE GASKETS AT STORM SEWER CROSSING
4039+59.4	4039+43.4	DUCTILE IRON	4.0	16.0	
	TOTAL	**DUCTILE IRON**	**4.0**	**245.7**	**RESTRAINED - 3 FIELD LOK GASKETS**
					8 NITRILE GASKETS

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LIST OF WATER MAIN FITTINGS

Location	Size/Type	Weight (lbs.)	Notes
HORIZONTAL BENDS			
3900+00.00, 4.50' LT	6" 90 MJ BEND	45.0	MAIN ST
3900+00.00, 0.00' RT	6" 90 MJ BEND	45.0	MAIN ST
3900+01.54, 0.00' RT	12" X 6" MJ REDUCER	64.0	MAIN ST
3901+29.69, 0.00' RT	12" X 4" MJ TEE	108.0	MAIN ST
3901+29.69, 61.34' RT	4" X 3" MJ REDUCER	18.0	MAIN ST
4002+31.06, 0.00' RT	12" 11.25 MJ BEND	68.0	SEERLEY BLVD
4003+08.35, 0.00' RT	12" 11.25 MJ BEND	68.0	SEERLEY BLVD
4003+68.35, 0.00' RT	12" 45 MJ BEND	108.0	SEERLEY BLVD
4004+03.35, 0.00' RT	12" 11.25 MJ BEND	68.0	SEERLEY BLVD
4004+23.35, 0.00' RT	12" 90 MJ BEND	114.0	SEERLEY BLVD
4004+55.01, 79.88' LT	6" 90 MJ BEND	45.0	SEERLEY BLVD
4004+66.55, 79.88' LT	6" 90 MJ BEND	45.0	SEERLEY BLVD
4004+66.55, 78.66' LT	8" X 6" MJ REDUCER	39.0	SEERLEY BLVD
4004+66.53, 59.44' LT	8" 11.25 MJ BEND	43.0	SEERLEY BLVD
4004+77.74, 3.07' LT	12" X 8" MJ REDUCER	57.0	SEERLEY BLVD
4004+78.35, 0.00' RT	12" X 12" MJ TEE	171.0	SEERLEY BLVD
4004+78.35, 0.00' RT	12" 11.25 MJ BEND	68.0	SEERLEY BLVD
4005+03.55, 0.00' RT	12" 11.25 MJ BEND	68.0	SEERLEY BLVD
4005+49.26, 0.00' RT	12" 45 MJ BEND	108.0	SEERLEY BLVD
4005+77.82, 0.00' RT	12" 22.5 MJ BEND	81.0	SEERLEY BLVD
4007+93.10, 331.19' RT	8" MJ CAP	26.0	MAIN ST
4007+93.16, 326.19' RT	8" MJ CAP	26.0	22ND ST
4007+96.28, 84.84' RT	8" MJ CAP	26.0	22ND ST
4011+60.20, 57.91' LT	4" 90 MJ BEND	26.0	22ND ST
4011+73.32, 0.00' RT	12" X 8" MJ TEE	162.0	22ND ST
4011+73.44, 57.88' LT	4" 90 MJ BEND	26.0	22ND ST
4011+73.44, 56.68' LT	8" X 4" MJ REDUCER	36.0	22ND ST
4015+56.08, 113.4' RT	4" 90 MJ BEND	26.0	21ST ST
4015+56.99, 26.99' LT	4" 90 MJ BEND	26.0	21ST ST
4015+71.22, 0.00' LT	12" X 8" MJ CROSS	149.0	21ST ST
4015+71.22, 26.97' LT	4" 90 MJ BEND	26.0	21ST ST
4015+71.22, 25.77' LT	8" X 4" MJ REDUCER	36.0	21ST ST
4015+71.22, 112.24' RT	8" X 4" MJ REDUCER	36.0	21ST ST
4015+71.22, 113.45' RT	4" 90 MJ BEND	26.0	21ST ST
4018+70.54, 143.00' RT	6" 90 MJ BEND	45.0	20TH ST
4018+70.80, 27.02' LT	4" 90 MJ BEND	26.0	20TH ST
4019+07.82, 26.92' LT	4" 90 MJ BEND	26.0	20TH ST
4019+07.82, 25.71' LT	8" X 4" MJ REDUCER	36.0	20TH ST
4019+07.81, 0.00' RT	12" X 8" MJ CROSS	149.0	20TH ST
4019+07.75, 141.86' RT	8" X 6" MJ REDUCER	39.0	20TH ST
4019+07.75, 143.07' RT	6" 90 MJ BEND	45.0	20TH ST
4027+12.59, 0.00' RT	12" 45 MJ BEND	108.0	18TH ST
4027+56.15, 0.00' RT	12" 45 MJ BEND	108.0	18TH ST
4028+15.83, 0.00' RT	12" 90 MJ BEND	114.0	18TH ST
4028+65.83, 0.00' RT	12" X 12" MJ TEE	171.0	18TH ST
4028+65.83, 0.00' RT	12" 11.25 MJ BEND	68.0	18TH ST
4028+65.83, 0.00' RT	12" X 8" MJ REDUCER	57.0	18TH ST
4029+77.97, 0.00' RT	12" 45 MJ BEND	108.0	18TH ST
4030+01.44, 0.00' RT	12" 22.5 MJ BEND	81.0	18TH ST
4030+39.63, 0.00' RT	12" X 8" MJ TEE	126.0	18TH ST
4032+63.19, 0.00' LT	12" X 4" MJ TEE	108.0	17TH ST
4032+61.66, 55.84' RT	4" 90 MJ BEND	26.0	17TH ST
4032+54.66, 55.65' RT	4" 90 MJ BEND	26.0	17TH ST
4039+43.40, 96.53' RT	4" 90 MJ BEND	26.0	15TH ST
4039+59.38, 96.59' RT	4" 90 MJ BEND	26.0	15TH ST
4039+59.39, 95.50' RT	8" X 4" MJ REDUCER	36.0	15TH ST
4039+59.76, 0.00' RT	12" X 8" MJ TEE	126.0	15TH ST
4042+82.64, 43.51' LT	6" 90 MJ BEND	45.0	14TH ST
4042+84.26, 102.70' RT	6" 90 MJ BEND	45.0	14TH ST
4042+90.90, 102.72' RT	6" 90 MJ BEND	45.0	14TH ST
4042+90.90, 101.50' RT	8" X 6" MJ REDUCER	39.0	14TH ST
4042+90.95, 77.39' RT	8" X 4" MJ TEE	68.0	14TH ST
4042+91.08, 43.51' LT	6" 90 MJ BEND	45.0	14TH ST
4042+91.08, 42.30' LT	8" X 6" MJ REDUCER	39.0	14TH ST
4042+91.11, 0.00' RT	12" X 8" MJ CROSS	149.0	14TH ST
4047+54.87, 0.00' RT	12" 11.25 MJ BEND	68.0	12TH ST
4048+31.81, 0.00' RT	12" 11.25 MJ BEND	68.0	12TH ST
4048+73.84, 0.00' RT	12" 22.5 MJ BEND	71.0	12TH ST
4049+10.24, 0.00' RT	12" 22.5 MJ BEND	71.0	12TH ST
4049+10.24, 0.00' RT	12" 11.25 MJ BEND	68.0	12TH ST
4049+42.09, 0.00' RT	12" 45 MJ BEND	108.0	12TH ST
4049+42.09, 0.00' RT	12" 22.5 MJ BEND	71.0	12TH ST
4049+93.38, 0.00' RT	12" X 12" MJ TEE	171.0	12TH ST
4050+06.63, 0.00' RT	12" 45 MJ BEND	108.0	12TH ST
4050+06.63, 0.00' RT	12" 22.5 MJ BEND	71.0	12TH ST
4050+06.63, 0.00' RT	12" 11.25 MJ BEND	68.0	12TH ST
4050+74.11, 0.00' RT	12" 22.5 MJ BEND	71.0	12TH ST

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LIST OF WATER MAIN FITTINGS

Location	Size/Type	Weight (lbs.)	Notes
4050+74.11, 0.00' RT	12" 11.25 MJ BEND	68.0	12TH ST
4051+04.40, 0.00' RT	12" 45 MJ BEND	108.0	12TH ST
4051+04.40, 87.97' RT	12" 45 MJ BEND	108.0	12TH ST
4051+04.40, 87.97' RT	12" 22.5 MJ BEND	71.0	12TH ST
4051+08.90, 0.00' RT	12" X 12" MJ TEE	171.0	12TH ST
4051+08.90, 50.76' RT	12" 45 MJ BEND	108.0	12TH ST
4051+08.90, 50.76' RT	12" 22.5 MJ BEND	71.0	12TH ST
4054+16.54, 115.84' RT	8" 90 MJ BEND	62.0	11TH ST
4054+18.93, 21.04' LT	8" 90 MJ BEND	62.0	11TH ST
4054+33.41, 0.00' RT	12" X 12" MJ CROSS	202.0	11TH ST
4054+33.42, 21.03' LT	8" 90 MJ BEND	62.0	11TH ST
4054+33.54, 115.82' RT	8" 90 MJ BEND	62.0	11TH ST
4060+46.31, 0.00' RT	12" X 8" MJ TEE	126.0	9TH ST
4060+46.31, 101.56' RT	8" MJ CAP	26.0	9TH ST
4064+48.15, 0.00' RT	12" X 4" MJ TEE	108.0	8TH ST
4064+48.15, 3.50' LT	4" X 3" MJ REDUCER	18.0	8TH ST
4066+94.31, 0.00' RT	12" X 4" MJ TEE	108.0	7TH ST
4067+39.01, 83.48' RT	6" 90 MJ BEND	45.0	7TH ST
4067+54.04, 0.00' RT	12" X 8" MJ CROSS	149.0	7TH ST
4067+54.04, 83.44' RT	6" 90 MJ BEND	45.0	7TH ST
4067+54.04, 82.27' RT	8" X 6" MJ REDUCER	39.0	7TH ST
4067+54.04, 18.52' LT	8" MJ CAP	26.0	7TH ST
4070+77.29, 73.94' RT	6" 90 MJ BEND	45.0	6TH ST
4070+77.24, 40.53' LT	8" 90 MJ BEND	62.0	6TH ST
4070+83.43, 40.53' LT	8" 90 MJ BEND	62.0	6TH ST
4070+83.53, 73.93' RT	6" 90 MJ BEND	45.0	6TH ST
4070+83.53, 72.71' RT	8" X 6" MJ REDUCER	39.0	6TH ST
4070+83.47, 0.00' RT	12" X 8" MJ CROSS	149.0	6TH ST
4071+05.46, 0.00' RT	12" 90 MJ BEND	114.0	6TH ST
4071+05.43, 14.20' RT	12" 90 MJ BEND	114.0	6TH ST
4100+00.00, 0.00' RT	6" 90 MJ BEND	45.0	18TH ST
4100+13.59, 0.00' RT	6" 90 MJ BEND	45.0	18TH ST
4100+14.81, 0.00' RT	8" X 6" REDUCER	39.0	18TH ST
4100+56.45, 0.00' RT	8" X 8" MJ TEE	89.0	18TH ST
4100+56.45, 16.23' LT	8" X 6" REDUCER	39.0	18th ST
4100+56.45, 17.44' LT	8" 90 MJ BEND	62.0	18th ST
4100+61.45, 17.44' LT	8" 90 MJ BEND	62.0	18th ST
4200+81.47, 0.00' RT	8" 45 MJ BEND	51.0	18TH ST
4200+81.47, 1.40' LT	8" X 6" MJ REDUCER	44.0	18TH ST
4300+00.00, 0.00' RT	12" 90 MJ BEND	114.0	12TH ST
4300+13.66, 0.00' RT	12" 90 MJ BEND	114.0	12TH ST
			TOTAL HORIZONTAL FITTING WEIGHT = 8433 LBS
VERTICAL BENDS			
4003+05.63, 0.00' RT	12" 45 MJ BEND	108.0	MAIN ST
4003+09.38, 0.00' RT	12" 45 MJ BEND	108.0	MAIN ST
4003+78.33, 0.00' RT	12" 45 MJ BEND	108.0	MAIN ST
4003+83.58, 0.00' RT	12" 45 MJ BEND	108.0	MAIN ST
4015+25.02, 0.00' RT	12" 45 MJ BEND	108.0	21ST ST
4015+26.19, 0.00' RT	12" 45 MJ BEND	108.0	21ST ST
4015+71.22, 51.89' RT	8" 45 MJ BEND	51.0	21ST ST
4015+71.22, 53.30' RT	8" 45 MJ BEND	51.0	21ST ST
4015+71.22, 63.30' RT	8" 45 MJ BEND	51.0	21ST ST
4015+71.22, 65.13' RT	8" 45 MJ BEND	51.0	21ST ST
4019+07.81, 48.76' RT	8" 45 MJ BEND	51.0	20TH ST
4019+07.81, 51.56' RT	8" 45 MJ BEND	51.0	20TH ST
4019+07.81, 63.56' RT	8" 45 MJ BEND	51.0	20TH ST
4019+07.81, 66.98' RT	8" 45 MJ BEND	51.0	20TH ST
4026+18.74, 0.00' RT	12" 45 MJ BEND	108.0	MAIN ST
4026+23.00, 0.00' RT	12" 45 MJ BEND	108.0	MAIN ST
4026+50.00, 0.00' RT	12" 45 MJ BEND	108.0	MAIN ST
4026+56.36, 0.00' RT	12" 45 MJ BEND	108.0	MAIN ST
4032+38.02, 0.00' RT	12" 45 MJ BEND	108.0	MAIN ST
4032+41.43, 0.00' RT	12" 45 MJ BEND	108.0	MAIN ST
4032+54.65, 56.13' RT	4" 45 MJ BEND	22.0	17TH ST
4032+54.65, 55.28' RT	4" 45 MJ BEND	22.0	17TH ST
4032+54.22, 72.12' RT	4" 45 MJ BEND	22.0	17TH ST
4032+54.40, 76.62' RT	4" 45 MJ BEND	22.0	17TH ST
4032+61.43, 0.00' RT	12" 45 MJ BEND	108.0	MAIN ST
4032+64.61, 0.00' RT	12" 45 MJ BEND	108.0	MAIN ST
4033+09.17, 0.00' RT	12" 45 MJ BEND	108.0	MAIN ST
4033+10.50, 0.00' RT	12" 45 MJ BEND	108.0	MAIN ST
4036+40.99, 0.00' RT	12" 45 MJ BEND	108.0	MAIN ST
4036+42.49, 0.00' RT	12" 45 MJ BEND	108.0	MAIN ST

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LIST OF WATER MAIN FITTINGS

Location	Size/Type	Weight (lbs.)	Notes
4039+59.76, 53.99' RT	8" 45 MJ BEND	51.0	15TH ST
4039+59.76, 55.50' RT	8" 45 MJ BEND	51.0	15TH ST
4039+59.76, 70.50' RT	8" 45 MJ BEND	51.0	15TH ST
4039+59.76, 71.89' RT	8" 45 MJ BEND	51.0	15TH ST
4039+76.62, 0.00' RT	12" 45 MJ BEND	108.0	MAIN ST
4039+78.19, 0.00' RT	12" 45 MJ BEND	108.0	MAIN ST
4043+07.17, 0.00' RT	12" 45 MJ BEND	108.0	MAIN ST
4043+08.39, 0.00' RT	12" 45 MJ BEND	108.0	MAIN ST
4053+83.92, 0.00' RT	12" 45 MJ BEND	108.0	MAIN ST
4053+85.01, 0.00' RT	12" 45 MJ BEND	108.0	MAIN ST
4057+15.38, 0.00' RT	12" 45 MJ BEND	108.0	MAIN ST
4057+18.45, 0.00' RT	12" 45 MJ BEND	108.0	MAIN ST
4057+28.45, 0.00' RT	12" 45 MJ BEND	108.0	MAIN ST
4057+31.33, 0.00' RT	12" 45 MJ BEND	108.0	MAIN ST
4060+46.31, 56.75' RT	8" 45 MJ BEND	51.0	9TH ST
4060+46.31, 58.05' RT	8" 45 MJ BEND	51.0	9TH ST
4060+46.31, 68.05' RT	8" 45 MJ BEND	51.0	9TH ST
4060+46.31, 69.35' RT	8" 45 MJ BEND	51.0	9TH ST
4070+83.53, 57.31' RT	8" 45 MJ BEND	51.0	6TH ST
4070+83.53, 58.90' RT	8" 45 MJ BEND	51.0	6TH ST
4070+83.53, 68.41' RT	8" 45 MJ BEND	51.0	6TH ST
4070+83.53, 70.31' RT	8" 45 MJ BEND	51.0	6TH ST
4100+01.37, 0.00' RT	8" 45 MJ BEND	51.0	18TH ST
4100+03.00, 0.00' RT	8" 45 MJ BEND	51.0	18TH ST
4100+13.59, 0.00' RT	8" 45 MJ BEND	51.0	18TH ST
4100+15.09, 0.00' RT	8" 45 MJ BEND	51.0	18TH ST
4200+09.70, 0.00' RT	8" 45 MJ BEND	51.0	18TH ST
4200+12.20, 0.00' RT	8" 45 MJ BEND	51.0	18TH ST
4200+27.20, 0.00' RT	8" 45 MJ BEND	51.0	18TH ST
4200+29.20, 0.00' RT	8" 45 MJ BEND	51.0	18TH ST
4200+58.40, 0.00' RT	8" 45 MJ BEND	51.0	18TH ST
4200+61.40, 0.00' RT	8" 45 MJ BEND	51.0	18TH ST
4200+76.40, 0.00' RT	8" 45 MJ BEND	51.0	18TH ST
4200+79.90, 0.00' RT	8" 45 MJ BEND	51.0	18TH ST
			TOTAL VERTICAL FITTING WEIGHT = 4744 LBS
			TOTAL HORIZ/VERT FITTING WEIGHT = 13177 LBS

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LIST OF WATER SERVICE STUBS

Location	Pipe Dia. (Inches)	Length (Feet)	Notes
3901+19.86, 61.33' RT	1.0	11.8	LONG SIDE
3901+81.73, 27.00' LT	1.0	27.0	SHORT SIDE
3903+11.85, 15.48' LT	1.0	15.5	SHORT SIDE
4005+09.32, 5.63' LT	0.8	5.6	SHORT SIDE
4005+77.82, 93.79' RT	0.8	100.7	LONG SIDE
4006+30.70, 90.50' RT	0.8	90.5	LONG SIDE
4006+71.80, 87.44' RT	0.8	87.4	LONG SIDE
4006+84.76, 4.50' LT	0.8	4.5	SHORT SIDE
4007+75.16, 4.50' LT	0.8	4.5	SHORT SIDE
4008+55.37, 4.50' LT	0.8	4.5	SHORT SIDE
4008+87.29, 4.50' LT	0.8	6.6	SHORT SIDE
4009+48.83, 4.50' LT	0.8	4.5	SHORT SIDE
4009+52.83, 4.50' LT	0.8	4.5	SHORT SIDE
4009+93.43, 4.50' LT	0.8	4.5	SHORT SIDE
4010+83.30, 1.25' LT	0.8	4.5	SHORT SIDE
4011+10.28, 75.50' RT	1.0	75.5	LONG SIDE
4012+22.06, 76.50' RT	0.8	76.5	LONG SIDE
4012+97.48, 1.25' LT	0.8	3.5	SHORT SIDE
4013+76.62, 3.50' LT	0.8	6.1	SHORT SIDE
4014+26.42, 3.50' LT	0.8	4.8	SHORT SIDE
4015+80.32, 105.74' RT	1.0	9.1	LONG SIDE
4016+90.50, 3.50' LT	0.8	10.0	SHORT SIDE
4017+49.48, 1.50' LT	0.8	3.5	SHORT SIDE
4018+45.20, 80.96' RT	0.8	63.7	LONG SIDE
4019+11.19, 90.88' RT	0.8	3.5	LONG SIDE
4019+11.36, 30.07' LT	0.8	5.2	SHORT SIDE
4019+90.75, 3.50' LT	0.8	3.5	SHORT SIDE
4020+74.94, 3.50' LT	0.8	3.5	SHORT SIDE
4021+34.31, 3.50' LT	0.8	6.8	SHORT SIDE
4021+48.55, 69.50' RT	1.0	69.5	LONG SIDE
4022+19.06, 69.50' RT	1.0	69.5	LONG SIDE
4022+51.91, 3.50' LT	1.0	10.7	SHORT SIDE
4023+22.63, 3.50' LT	0.8	7.5	SHORT SIDE
4023+93.96, 69.50' RT	1.0	70.8	LONG SIDE
4024+03.32, 3.50' LT	0.8	3.5	SHORT SIDE
4025+07.52, 71.02' RT	1.5	71.0	LONG SIDE
4025+97.90, 79.62' RT	0.8	82.6	LONG SIDE
4030+08.81, 4.97' LT	1.0	5.0	LONG SIDE
4031+04.67, 3.57' LT	0.8	5.5	SHORT SIDE
4031+07.02, 3.50' LT	0.8	6.1	SHORT SIDE
4031+78.77, 2.58' LT	0.8	2.6	SHORT SIDE
4032+37.36, 4.84' LT	0.8	6.0	SHORT SIDE
4032+50.33, 75.54' RT	1.5	15.9	LONG SIDE
4033+52.62, 78.34' RT	0.8	78.4	LONG SIDE
4033+56.88, 1.85' LT	0.8	1.9	SHORT SIDE
4034+00.61, 3.96' LT	0.8	4.0	SHORT SIDE
4034+38.48, 74.50' RT	0.8	76.5	LONG SIDE
4034+39.99, 74.50' RT	0.8	76.5	LONG SIDE
4034+69.93, 1.25' LT	0.8	7.8	SHORT SIDE
4035+40.96, 1.25' LT	0.8	8.5	SHORT SIDE
4035+49.99, 74.50' RT	0.8	76.5	LONG SIDE
4035+86.71, 32.42' LT	0.8	32.4	SHORT SIDE
4036+83.39, 1.25' LT	0.8	3.5	SHORT SIDE
4036+90.15, 76.50' RT	0.8	76.5	LONG SIDE
4037+52.22, 3.50' LT	0.8	3.5	SHORT SIDE
4037+57.71, 76.50' RT	0.8	76.5	LONG SIDE
4037+94.10, 1.50' LT	0.8	3.5	SHORT SIDE
4038+10.64, 76.50' RT	1.0	77.8	LONG SIDE
4038+81.55, 3.50' LT	0.8	3.5	SHORT SIDE
4040+04.67, 3.50' LT	0.8	3.5	SHORT SIDE
4040+17.34, 76.50' RT	0.8	76.5	LONG SIDE
4040+80.90, 3.50' LT	0.8	3.5	SHORT SIDE
4040+97.99, 76.50' RT	0.8	76.5	LONG SIDE
4041+58.18, 3.50' RT	0.8	3.5	SHORT SIDE
4041+93.51, 76.50' RT	0.8	77.8	LONG SIDE
4042+21.49, 3.50' LT	0.8	3.5	SHORT SIDE
4043+34.02, 76.50' RT	0.8	76.5	LONG SIDE
4044+00.14, 76.50' RT	0.8	76.5	LONG SIDE
4044+06.48, 1.50' LT	0.8	3.5	SHORT SIDE
4044+61.71, 76.50' RT	0.8	76.5	LONG SIDE
4044+91.05, 3.50' LT	0.8	3.5	SHORT SIDE
4045+23.48, 3.50' LT	0.8	3.5	SHORT SIDE
4046+70.79, 3.50' LT	0.8	3.5	SHORT SIDE
4047+53.20, 4.66' LT	0.8	8.4	SHORT SIDE
4048+12.09, 3.61' LT	0.8	7.1	SHORT SIDE
4051+28.41, 76.50' RT	0.8	76.5	LONG SIDE
4051+77.99, 3.50' LT	0.8	3.5	SHORT SIDE
4052+02.66, 3.50' LT	0.8	3.5	SHORT SIDE

5010-03
01-01-16

LIST OF WATER SERVICE STUBS

Location	Pipe Dia. (Inches)	Length (Feet)	Notes
4052+42.18, 76.50' RT	0.8	76.5	LONG SIDE
4052+52.52, 3.50' LT	0.8	3.5	SHORT SIDE
4053+03.94, 76.50' RT	0.8	76.5	LONG SIDE
4053+33.80, 76.50' RT	0.8	76.5	LONG SIDE
4053+39.51, 3.50' LT	0.8	3.5	SHORT SIDE
4054+88.06, 76.50' RT	0.8	76.5	LONG SIDE
4054+93.45, 76.50' RT	0.8	76.5	LONG SIDE
4055+07.28, 3.50' LT	0.8	5.2	SHORT SIDE
4055+24.26, 3.50' LT	0.8	3.5	SHORT SIDE
4055+81.72, 3.50' LT	0.8	3.5	SHORT SIDE
4055+88.74, 76.50' RT	0.8	76.5	LONG SIDE
4056+51.86, 3.50' LT	0.8	3.5	SHORT SIDE
4056+58.08, 76.50' RT	0.8	76.5	LONG SIDE
4056+58.19, 3.50' LT	0.8	3.5	SHORT SIDE
4056+68.35, 76.50' RT	1.0	76.5	LONG SIDE
4057+85.20, 3.50' LT	0.8	3.5	SHORT SIDE
4058+91.50, 3.50' LT	0.8	3.5	SHORT SIDE
4059+02.38, 76.51' RT	0.8	76.5	LONG SIDE
4059+51.38, 3.50' LT	0.8	3.5	SHORT SIDE
4059+71.81, 76.50' RT	0.8	76.5	LONG SIDE
4059+99.31, 3.50' LT	0.8	3.5	SHORT SIDE
4061+39.08, 74.50' RT	1.5	76.5	LONG SIDE
4061+65.99, 3.50' LT	0.8	3.5	SHORT SIDE
4061+99.34, 76.50' RT	0.8	76.5	LONG SIDE
4063+29.29, 1.75' LT	0.8	3.5	SHORT SIDE
4063+30.68, 76.53' RT	0.8	76.5	LONG SIDE
4063+33.12, 1.75' LT	0.8	3.5	SHORT SIDE
4064+60.41, 74.50' RT	0.8	76.5	LONG SIDE
4065+17.74, 74.50' RT	0.8	76.5	LONG SIDE
4065+94.60, 74.50' RT	1.5	76.5	LONG SIDE
4066+19.51, 74.50' RT	1.5	76.5	LONG SIDE
4066+92.34, 76.49' RT	0.8	76.5	LONG SIDE
4068+76.94, 3.51' LT	0.8	3.5	SHORT SIDE
4069+65.85, 3.51' LT	0.8	5.9	SHORT SIDE
4200+87.90, 31.44' LT	1.0	16.4	LONG SIDE
4301+72.71, 9.31' LT	1.0	12.5	SHORT SIDE
TOTALS	**0.8**	**2874.6**	
	1.0	**547.6**	
	1.5	**316.4**	
		114.0	****WATER SERVICE CURB STOP AND BOX****

5020-01
01-01-16

LIST OF WATER VALVE ASSEMBLIES

Location	Type	Size (Inches)	Ground Elevation	Notes
3900+04.00, 0.00' RT	GATE	12	876.2	MAIN ST
4000+65.75, 0.00' RT	GATE	12	871.1	MAIN ST
4004+76.36, 0.00' RT	GATE	12	873	MAIN ST
4004+79.94, 0.00' RT	GATE	12	873	MAIN ST
4009+01.59, 0.00' RT	GATE	12	875	MAIN ST
4011+89.83, 0.00' RT	GATE	12	876.9	MAIN ST
4015+91.22, 0.00' RT	GATE	12	873.1	MAIN ST
4019+23.75, 0.00' RT	GATE	12	871.6	MAIN ST
4023+31.08, 0.00' RT	GATE	12	868.9	MAIN ST
4025+72.33, 0.00' RT	GATE	12	866.6	MAIN ST
4028+64.27, 0.00' RT	GATE	12	866	MAIN ST
4028+67.82, 0.00' RT	GATE	12	865.9	MAIN ST
4030+41.02, 0.00' RT	GATE	12	864	MAIN ST
4033+36.74, 0.00' RT	GATE	12	865.5	MAIN ST
4038+97.29, 0.00' RT	GATE	12	871.7	MAIN ST
4046+40.99, 0.00' RT	GATE	12	880.4	MAIN ST
4050+05.07, 0.00' RT	GATE	12	881.8	MAIN ST
4050+08.61, 0.00' RT	GATE	12	881.8	MAIN ST
4057+85.20, 3.50' LT	GATE	12	876.2	MAIN ST
4061+13.81, 0.00' RT	GATE	12	879.3	MAIN ST
4064+45.78, 0.00' RT	GATE	12	878.6	MAIN ST
4067+75.94, 0.00' RT	GATE	12	873	MAIN ST
4071+01.46, 0.00' RT	GATE	12	867.2	MAIN ST
051+04.40, 86.31' RT	GATE	12	878.04	E 12TH ST
4015+08.90, 1.56' RT	GATE	12	879.1	MAIN ST
4300+17.66, 0.00' RT	GATE	12	890.4	W 12TH ST
TOTAL	**GATE**	**12**	**26**	
004+66.55, 75.88' LT	GATE	8	873.7	SEERLEY BLVD
011+73.44, 53.88' LT	GATE	8	879.9	W 22ND ST
015+71.22, 22.97' LT	GATE	8	873.2	W 21ST ST
15+71.22, 109.45' RT	GATE	8	873.9	E 21ST ST
019+07.81, 22.92' LT	GATE	8	871.8	W 20TH ST
19+07.75, 139.02' RT	GATE	8	872.1	E 20TH ST
039+59.38, 92.59' RT	GATE	8	871.6	E 15TH ST
042+91.08, 39.51' LT	GATE	8	878.71	W 14TH ST
042+90.90, 98.72' RT	GATE	8	875.3	E 14TH ST
054+33.43, 17.03' LT	GATE	8	875.3	W 11TH ST
54+33.54, 111.82' RT	GATE	8	873.92	E 11TH ST
60+46.31, 101.56' RT	GATE	8	878.6	E 9TH ST
067+54.04, 18.52' LT	GATE	8	873.8	W 7TH ST
067+54.02, 79.44' RT	GATE	8	873.2	E 7TH ST
070+85.43, 36.53' LT	GATE	8	868.14	W 6TH ST
070+83.53, 69.93' RT	GATE	8	867.5	E 6TH ST
4100+17.59, 0.00' LT	GATE	8	874.1	W 18TH ST
4100+56.45, 1.18' LT	GATE	8	872.3	W 18TH ST
4200+01.38, 0.00' LT	GATE	8	864	E 18TH ST
TOTAL	**GATE**	**8**	**19**	
901+29.69, 61.34' RT	GATE	4	873.6	MAIN ST
032+54.10, 76.65' RT	GATE	4	864.9	W 17TH ST
042+89.75, 77.39' RT	GATE	4	875.5	E 14TH ST
4064+48.15, 3.50' LT	GATE	4	878.6	W 8TH ST
4066+94.31, 3.51' LT	GATE	4	874.5	W 7TH ST
TOTAL	**GATE**	**4**	**5**	

5020-
01-01-16

LIST OF HYDRANT ASSEMBLIES

Location	Top of Ground Elevation	Notes
3901+30.86, 19.00' LT	873.6	MAIN ST
4001+74.49, 55.28' RT	871.7	MAIN ST
4002+91.58, 8.77' LT	873.9	MAIN ST
4005+86.32, 2.08' RT	872.8	MAIN ST
4009+00.00, 4.00' RT	874.9	MAIN ST
4009+00.70, 364.84' RT	876	E 22ND ST
4011+74.85, 16.50' LT	877.5	W 22ND ST
4013+56.29, 4.00' RT	875.1	MAIN ST
4015+69.13, 83.00' RT	873.5	E 21ST ST
4017+39.83, 4.00' RT	872.4	MAIN ST
4019+02.29, 16.13' LT	871.9	W 20TH ST
4023+29.83, 4.00' RT	868.8	MAIN ST
4025+71.08, 10.20' RT	866.4	MAIN ST
4033+35.36, 6.33' RT	865.3	MAIN ST
4035+66.92, 5.00' RT	866.9	MAIN ST
4038+96.04, 5.00' RT	871.6	MAIN ST
4042+24.86, 5.00' RT	875.5	MAIN ST
4046+39.62, 6.00' RT	880.2	MAIN ST
4050+99.77, 2.08' RT	879.2	MAIN ST
4054+51.42, 5.00' RT	874.6	MAIN ST
4057+81.22, 5.00' RT	876.2	MAIN ST
4061+12.24, 5.00' RT	879.1	MAIN ST
4064+44.21, 5.00' RT	878.4	MAIN ST
4067+74.37, 4.99' RT	872.8	MAIN ST
4070+99.46, 6.50' RT	867	MAIN ST
4200+85.47, 34.03' LT	864.6	E 18TH ST
TOTAL	**26**	

4010-03
01-01-18

LIST OF SANITARY SERVICE STUBS

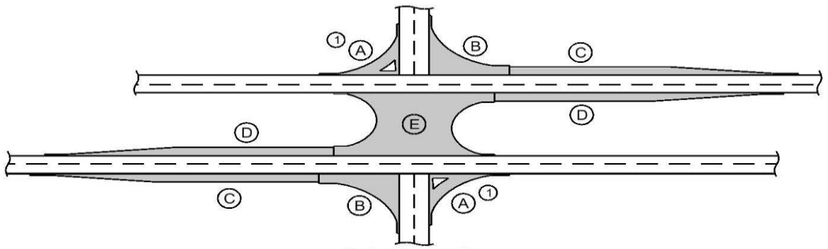
Location	Side	Length	Property Address
1013+73.80	LT	36.5	2301 MAIN ST
1014+39.80	LT	36.5	2221 MAIN ST
1014+64.24	LT	36.5	2217 MAIN ST
1015+03.80	LT	36.5	2215 MAIN ST
1015+75.54	LT	36.5	2205 MAIN ST
1016+30.37	LT	36.5	2203 MAIN ST
1017+51.60	LT	36.5	2125 MAIN ST
1017+84.33	RT	43.0	2120 MAIN ST
1018+33.54	LT	36.5	2121 MAIN ST
1019+13.73	LT	36.5	2115 MAIN ST
1019+54.54	LT	36.5	2109 MAIN ST
1020+43.07	LT	40.1	2103 MAIN ST
1021+15.79	LT	36.5	2021 MAIN ST
1021+55.41	RT	31.5	2018 MAIN ST
1021+99.79	LT	36.5	2017 MAIN ST
1022+67.79	LT	36.5	2009 MAIN ST
1023+30.47	RT	32.5	
1025+05.04	RT	36.5	1934 MAIN ST
1025+24.16	LT	36.5	1935 MAIN ST
1026+25.15	RT	36.5	1930/1932 MAIN ST
1026+27.08	LT	36.5	1929 MAIN ST
1027+13.94	LT	36.5	1925 MAIN ST
1027+66.03	RT	36.5	1922 MAIN ST
1027+70.71	LT	36.5	1915 MAIN ST
1028+83.62	LT	36.5	1907 MAIN ST
1029+59.76	LT	36.5	1901 MAIN ST
1030+50.46	RT	35.5	1820 MIAN ST
1031+80.27	RT	53.0	103 E 18TH ST
1034+52.75	LT	44.0	1715 MAIN ST
1034+83.87	RT	36.5	1718 MAIN ST
1035+03.75	LT	43.0	1711 MAIN ST
1035+22.64	LT	42.5	1709 MAIN ST
1035+99.68	LT	41.5	1703 MAIN ST
1036+23.60	RT	39.5	1702 MAIN ST
1036+86.46	RT	40.0	1624 MAIN ST
1037+30.31	LT	38.0	1621 MAIN ST
1037+64.46	LT	37.0	1615 MAIN ST
1038+09.56	RT	42.5	1616 MAIN ST
1038+18.41	RT	43.0	1612 MAIN ST
1038+75.05	LT	37.5	1609 MAIN ST
1039+35.06	LT	39.5	1603 MAIN ST
1039+42.63	RT	40.5	1604 MAIN ST
1040+59.07	RT	40.0	1524 MAIN ST
1040+59.90	LT	40.0	1523 MAIN ST
1041+28.58	RT	40.0	1516 MAIN ST
1041+28.60	LT	40.0	1515 MAIN ST
1041+66.48	LT	40.0	1509 MAIN ST
1041+83.98	RT	40.0	1504 MAIN ST
1043+70.04	RT	41.5	1422 MAIN ST
1044+03.27	LT	40.0	1421 MAIN ST
1044+64.48	RT	40.0	1416 MAIN ST
1044+67.09	LT	40.0	1415 MAIN ST
1045+30.98	LT	41.5	1407/1409/1411 MAIN ST
1045+66.89	RT	40.0	1404 MAIN ST
1045+68.63	LT	40.0	1403 MAIN ST
1047+27.12	LT	40.0	1321 MAIN ST
1047+27.12	RT	40.0	1322 MAIN ST
1047+88.46	LT	40.0	1315 MAIN ST
1047+88.55	RT	40.0	1316 MAIN ST
1048+32.42	LT	40.0	1309 MAIN ST
1049+28.40	LT	40.0	1303 MAIN ST
1050+36.79	LT	40.0	1221 MAIN ST
1050+96.53	LT	40.0	1217 MAIN ST
1051+84.56	LT	59.5	1209 MAIN ST
126+19.54	LT	35.0	1124 MAIN ST
127+02.32	RT	62.0	110E 13TH ST
1053+99.24	LT	128.0	109 W 12TH ST
1054+07.84	RT	40.0	1120 MAIN ST
1054+53.41	LT	40.0	1117 MAIN ST
1054+75.21	LT	40.0	1115 MAIN ST
1054+99.18	RT	40.0	1116 MAIN ST
1055+41.69	RT	40.0	1112 MAIN ST
1055+43.10	LT	40.0	1109 MAIN ST
1055+77.42	RT	40.0	1108 MAIN ST
1056+00.33	LT	40.0	1103 MAIN ST
1056+30.10	RT	40.0	1104 MAIN ST
1057+56.53	RT	40.0	1022 MAIN ST
1057+70.63	RT	40.0	1018 MAIN ST

4010
01-01-18

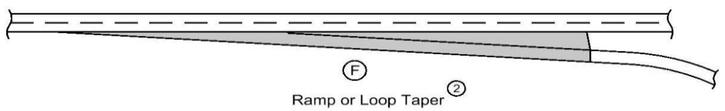
LIST OF SANITARY SERVICE STUBS

Location	Side	Length	Property Address
1058+09.41	LT	40.0	1015 MAIN ST
1058+53.47	RT	40.0	1010/1012/1014 MAIN ST
1059+18.05	RT	40.0	1006 MAIN ST
1059+26.55	LT	40.0	1003 MAIN ST
1059+31.35	RT	40.0	1004 MAIN ST
1060+82.06	LT	40.0	921 MAIN ST
1061+03.52	RT	40.0	902 MAIN ST
1061+64.30	LT	40.0	915 MAIN ST
1062+20.37	LT	40.0	909 MAIN ST
1062+20.48	RT	40.0	902 MAIN ST
1062+82.27	LT	40.0	903 MAIN ST
1064+07.35	RT	40.0	824 MAIN ST
1064+54.19	LT	40.0	815 MAIN ST
1064+56.35	RT	40.0	816 MAIN ST
1065+26.94	LT	40.0	811 MAIN ST
1065+51.47	RT	40.0	800/802 MAIN ST
1065+93.52	LT	40.0	805 MAIN ST
1066+17.20	LT	40.0	801 MAIN ST
1067+45.57	RT	40.0	720 MAIN ST
1067+67.22	LT	40.0	705 MAIN ST
1067+85.30	LT	40.0	705 MAIN ST
1067+85.49	RT	40.0	716 MAIN ST
1068+49.09	RT	40.0	706 MAIN ST
1068+71.06	RT	40.0	708 MAIN ST
1068+89.94	RT	40.0	710 MIAN ST
1069+06.24	RT	40.0	712 MAIN ST
1069+43.75	RT	40.0	702 MAIN ST
1069+51.16	LT	41.8	705 MAIN ST/ 123 W 8TH ST
1070+31.52	LT	40.0	HI YIELD LLC
1070+96.50	RT	40.0	622 MAIN ST
1071+09.67	RT	40.0	602 MAIN ST
1071+66.28	LT	40.0	613 MAIN ST
1072+42.28	LT	40.0	601 MAIN ST
	TOTAL:	**4493 LF**	
		111 STUBS	

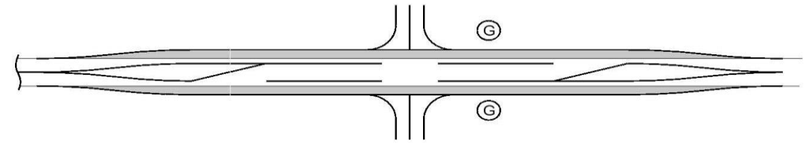
PCC PAVEMENT



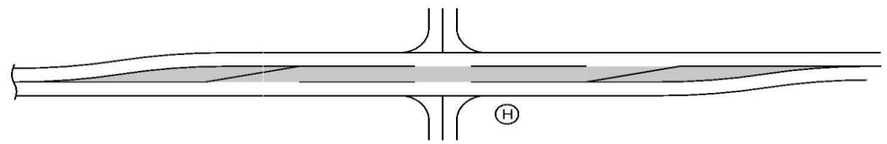
Typical Intersection



Ramp or Loop Taper (2)



Channelized Intersection
Widen Existing Roadway



Channelized Intersection
Reconstructed Roadway

(1) Does not include raised island area or curb. Refer to tabulation 112-4 for quantities.

(2) Refer to PV-410, PV-411, PV-412, and PV-414.

(3) Quantity includes Pavement Header.

Location				Mainline			Area (3)								Total Area By Pavement Thickness		Special Backfill	Modified Subbase	Granular Subbase	Remarks
Road Identification	Direction of Travel	Station to Station		Width	Length	Area	A (1)	B	C	D	E	F (2)	G	H	SY					
				FT	FT	SY	SY	SY	SY	SY	SY	SY	SY	SY	6 IN	8½ IN	TONS	CY	SY	
MAIN STREET	BOTH	1002+96.01	1009+78.11	50.0	682.1	6621.0								94.9	94.9	6621.0		1575.5		
MAIN STREET	RAB	1009+78.11	1010+84.24								983.0			215.7	215.7	983.0		436.7		
MAIN STREET	BOTH	1010+84.24	1013+90.79	50.0	306.5	1421.8								70.5	70.5	1421.8		569.6		
MAIN STREET	BOTH	1013+90.79	1030+05.50	50.0	1614.7	8970.6										8970.6		3349.0		
MAIN STREET	BOTH	1030+05.50	1032+45.88	50.0	240.4	952.8								193.0	193.0	952.8		439.7		
MAIN STREET	RAB	1032+45.88	1033+52.05								997.9			301.6	301.6	997.9		464.8		
MAIN STREET	BOTH	1033+52.05	1035+64.16	50.0	212.1	929.6								116.8	116.8	929.6		401.5		
MAIN STREET	BOTH	1035+64.16	1049+32.79	50.0	1368.6	7603.5										7603.5		2838.6		
MAIN STREET	BOTH	1049+32.79	1052+29.91	50.0	297.1	1349.6								61.6	61.6	1349.6		538.9		
MAIN STREET	RAB	1052+29.91	1053+35.07								1025.4			215.7	215.7	1025.4		451.0		
MAIN STREET	BOTH	1053+35.07	1055+57.82	50.0	222.8	1010.4								47.0	47.0	1010.4		402.8		
MAIN STREET	BOTH	1055+57.82	1074+45.77	50.0	1888.0	10267.1							370.3	37.8	37.8	10637.4		3969.5		
SEERLEY BLVD	BOTH	242+24.06	243+63.90	31.0	139.8	471.1								39.4	39.4	471.1		203.2		
SEERLEY BLVD	BOTH	244+70.66	246+77.64	31.0	207.0	745.5								35.2	35.2	745.5		308.0		
22ND STREET	BOTH	221+04.00	221+75.00	31.0	71.0	244.6		29.8								274.4		100.9		
22ND STREET	BOTH	222+25.00	222+53.00	31.0	28.0	96.4		29.8								126.3		42.0		
21ST STREET	BOTH	211+35.00	211+75.00	31.0	40.0	137.8		29.8								167.6		58.4		
21ST STREET	BOTH	212+25.00	212+92.52	31.0	67.5	232.6		29.8								262.4		96.1		
20TH STREET	BOTH	201+35.00	201+75.00	31.0	40.0	137.8		29.8								167.6		58.4		
20TH STREET	BOTH	202+25.00	203+15.00	31.0	90.0	310.0		29.8								339.8		126.9		
18TH STREET	BOTH	182+67.03	185+92.08	31.0	325.1	1119.6								40.6	40.6	1119.6		468.3		
18TH STREET	BOTH	186+99.29	190+60.74	31.0	361.5	1208.0								43.5	43.5	1208.0		499.7		
WASHINGTON STREET	BOTH	50+15.00	50+70.80	31.0	55.8	192.2		29.9								222.1		80.1		
STATE STREET	SB	54+29.15	54+85.68	15.5	56.5	87.7		22.1								109.8		40.0		
STATE STREET	SB	55+15.62	55+71.10	15.5	55.5	114.7		38.3								153.0		52.5		
17TH STREET	BOTH	171+10.00	171+75.00	30.0	65.0	216.7		30.7								247.4		90.6		
16TH STREET	BOTH	161+34.45	161+75.00	25.0	40.5	112.6		29.8								142.4		50.8		
16TH STREET	BOTH	162+25.00	162+60.00	31.0	35.0	120.6		29.8								150.4		51.5		
15TH STREET	BOTH	151+10.00	151+75.00	31.0	65.0	223.9		29.8								253.7		92.7		
15TH STREET	BOTH	152+25.00	152+65.00	31.0	40.0	137.8		29.8								167.6		58.4		
14TH STREET	BOTH	141+02.00	141+75.00	26.0	73.0	210.9		29.8								240.7		90.7		
14TH STREET	BOTH	142+25.00	142+71.17	32.0	46.2	164.2		29.8								194.0		68.4		
13TH STREET	BOTH	130+87.50	131+75.00	31.0	87.5	301.4		29.8								331.2		123.5		
13TH STREET	BOTH	132+24.35	132+75.00	35.0	50.6	197.0		28.0								225.0		79.7		
12TH STREET	BOTH	122+08.96	124+63.21	35.0	254.3	928.1								35.8	35.8	928.1		379.2		
12TH STREET	BOTH	125+67.44	129+71.65	48.0	404.2	1277.8								44.3	44.3	1277.8		521.1		
STATE STREET	BOTH			36.0		125.3		46.0								171.3		59.0		
11TH STREET	BOTH	111+21.75	111+75.00	36.0	53.3	213.0		29.8								242.8		85.9		
11TH STREET	BOTH	112+25.00	112+84.35	25.0	59.4	164.9		29.8								194.7		72.4		
10TH STREET	BOTH	101+25.00	101+75.00	35.0	50.0	194.4		29.8								224.3		79.1		
10TH STREET	BOTH	102+25.00	102+65.00	25.0	40.0	111.1		29.8								140.9		50.1		
9TH STREET	BOTH	91+31.25	91+75.00	35.0	43.8	170.1		29.8								199.9		69.6		
9TH STREET	BOTH	92+25.00	92+70.00	35.0	45.0	175.0		29.8								204.8		71.5		
8TH STREET	BOTH	81+35.00	81+75.00	35.0	40.0	155.6		29.8								185.4		63.9		
8TH STREET	BOTH	85+25.00	85+75.00	25.0	50.0	138.9		10.7								149.6		56.2		
7TH STREET	BOTH	71+36.50	71+75.00	35.0	38.5	149.7		29.8								179.5		61.6		

PROJECT NO: STBG-SWAP-1185(657)--SG-07
PROJECT DATE: 11/15/2022
CAD DATE: 9/6/2022 11:23:20 AM
CAD FILE: c:\pw_workdir\pw_ielcjcld0595659\21C017.02_C sheets.xlsm
DESIGNED BY: K. WOLLNER
CHECKED BY: C. CARPER
DRAWN BY: K. WOLLNER

NO	DATE	BY	REVISION DESCRIPTION

Foth

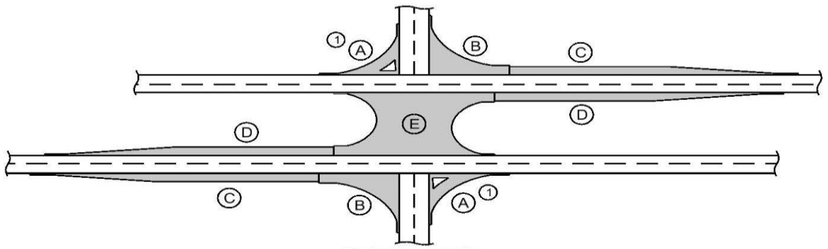
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

ESTIMATED QUANTITIES

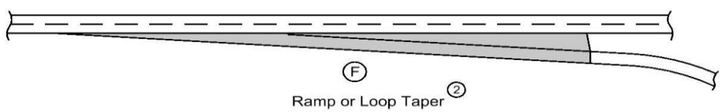
SHEET NO.
C.24
STBG-SWAP-1185(657)--SG-07

100
04-21-15

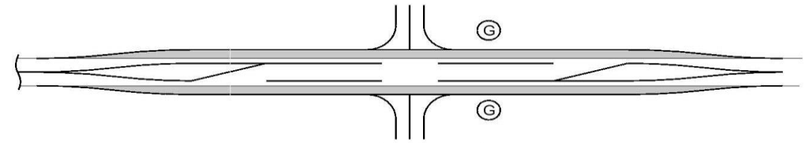
PCC PAVEMENT



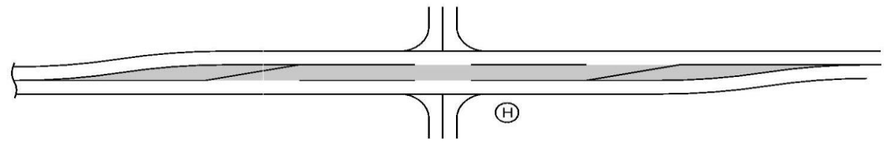
Typical Intersection



Ramp or Loop Taper (2)



Channelized Intersection
Widen Existing Roadway



Channelized Intersection
Reconstructed Roadway

(1) Does not include raised island area or curb. Refer to tabulation 112-4 for quantities.

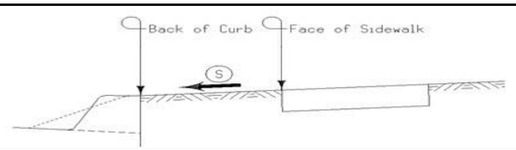
(2) Refer to PV-410, PV-411, PV-412, and PV-414.

(3) Quantity includes Pavement Header.

Location				Mainline			Area (3)								Total Area By Pavement Thickness		Special Backfill	Modified Subbase	Granular Subbase	Remarks
Road Identification	Direction of Travel	Station to Station		Width	Length	Area	A (1)	B	C	D	E	F (2)	G	H	SY					
				FT	FT	SY	SY	SY	SY	SY	SY	SY	SY	SY	6 IN	8½ IN	TONS	CY	SY	
7TH STREET	BOTH	72+25.00	72+52.00	33.0	27.0	99.0		29.8								128.8		42.4		
6TH STREET	BOTH	61+18.00	61+75.00	35.0	57.0	221.7		34.6								256.3		91.3		
6TH STREET	BOTH	65+25.00	65+60.00	23.0	35.0	89.4		10.7								100.2		36.7		
						50123.3		**906.7**			**3006.3**		**370.3**	**1593.5**	**1593.5**	**54406.6**		**20018.1**		

7030-01
09-20-16

PARKING SLOPE TRANSITIONS



Road Identification	Station to Station		Side	S		Remarks
				From	To	
MAIN STREET	1015+36.13	1015+44.71	LT	4.00%	10.00%	
MAIN STREET	1018+35.00	1018+45.00	LT	10.00%	4.00%	
MAIN STREET	1019+80.00	1019+90.00	LT	4.00%	1.00%	
MAIN STREET	1022+00.00	1022+25.00	LT	1.00%	4.00%	
MAIN STREET	1037+65.00	1037+90.00	RT	2.00%	4.00%	
MAIN STREET	1039+40.00	1040+15.00	RT	4.00%	2.00%	
MAIN STREET	1046+05.00	1046+80.00	LT	4.00%	10.00%	
MAIN STREET	1058+50.00	1058+75.00	LT	4.00%	2.00%	
MAIN STREET	1063+00.00	1063+80.00	LT	2.00%	4.00%	
MAIN STREET	1063+00.00	1063+80.00	RT	2.00%	4.00%	
MAIN STREET	1064+52.37	1064+62.37	LT	4.00%	0.70%	
MAIN STREET	1064+52.37	1064+62.37	RT	4.00%	0.70%	
MAIN STREET	1064+67.37	1064+77.37	LT	0.70%	4.00%	
MAIN STREET	1064+67.37	1064+77.37	RT	0.70%	4.00%	
MAIN STREET	1069+05.00	1069+25.00	RT	4.00%	2.00%	
MAIN STREET	1069+65.00	1070+40.00	RT	2.00%	4.00%	
MAIN STREET	1071+50.00	1071+75.00	LT	4.00%	1.50%	
MAIN STREET	1071+75.00	1072+00.00	RT	4.00%	1.50%	
MAIN STREET	1072+85.00	1073+65.00	LT	1.50%	4.00%	

102-3
10-16-18

ACCESS POINTS AND SAFETY RAMPS

Refer to Cross-Sections

Length of Unclassified Pipe calculated is based on using Corrugated Metal Pipe.
(1) Refer to MI-210
(2) Refer to EW-501.
(3) Refer to EW-501 or EW-502.
*Predetermined for access point not constructed with this project.

Location		Type	Length of Opening (1)			W	(1) (2) PR	(2) SR	Pipe Culvert (3)					Aprons	Driveway Surface Area		Driveway Surfacing Material	Remarks
Station	Side	A, B, C, Safety Ramp, or Predetermined*	Case	1½" Dropped Curb	3" Dropped Curb				H	Size	Pipe Length	Lt.	Rt.		HMA	PCC		
			1 or 2	LF	LF	FT	FT	FT	FT	IN	LF	LF	LF	No.	SY	SY	TON	
1006+55.64	LT	A		36.0		30.0										35.0		
1007+83.20	LT	A		36.0		30.0										35.0		
1011+64.87	LT	A		42.0		36.0										100.3		
1012+24.44	LT	A		26.0		20.0										34.8		
1012+71.68	LT	A		20.5		14.5										27.7		
1013+20.62	RT	A		55.0		48.8										160.3		
1014+03.16	LT	A		47.1		41.1										108.8		
1014+94.61	LT	A		31.0		25.0										66.1		
1015+28.01	RT	A		40.0		30.0										96.7		
1015+32.04	LT	A		14.0		7.3										28.4		
1018+51.98	RT	A		45.0		35.0										72.7		
1018+54.46	LT	A		26.0		22.0										78.9		
1019+73.50	LT	A		16.0		10.2										31.3		
1020+19.92	LT	A		26.0		20.0										25.2		
1021+72.32	LT	A		26.0		20.0										25.2		
1021+94.44	LT	A		14.0		7.9										12.2		
1022+31.66	RT	A		25.0		35.4										50.0		
1023+18.29	LT	A		31.0		25.0										31.0		
1025+20.97	LT	A		21.0		14.8										33.4		
1025+30.87	RT	A		31.0		25.0										31.0		
1026+41.62	LT	A		16.0		10.1										21.4		
1026+58.02	LT	A		16.0		11.0										21.6		
1026+86.51	RT	A		41.0		34.8										52.4		
1028+19.98	LT	A		28.0		22.7										47.4		
1028+50.89	RT	A		26.0		20.0										27.4		
1029+03.39	LT	A		28.0		24.9										48.3		
1029+79.82	RT	A		41.0		35.0										46.6		
1031+45.78	RT	A		58.0		52.2										154.1		
1034+16.10	RT	A		46.4		39.0										72.6		
1034+73.68	LT	A		22.0		16.0										39.7		
1035+39.94	RT	A		22.0		24.0										315.1		
1035+77.49	RT	A		27.0		21.5										54.6		
1036+52.75	RT	A		41.0		40.5										91.0		
1037+28.65	RT	A		19.9		14.0										35.9		
1037+59.03	RT	A		16.0		10.1										29.7		
1044+81.01	LT	A		16.0		8.7										25.7		
1054+30.09	LT	A		18.0		12.0										34.5		
1054+53.49	RT	A		16.0		10.0										22.6		
1055+68.47	LT	A		24.0		18.3										48.4		
1060+78.57	RT	A		31.0		25.0										41.9		
1061+73.46	RT	A		19.0		13.6										28.7		
1064+93.42	RT	A		18.0		12.0										43.0		
1065+06.82	LT	A		16.0		7.3										26.0		
1065+71.69	RT	A		42.0		45.5										83.3		
1067+80.97	RT	A		19.0		13.0										26.7		
1068+04.70	LT	A		24.0		29.1										47.8		
1071+27.27	LT	A		31.0		26.0										67.2		
1071+38.83	RT	A		38.0		32.6										83.4		
1072+45.39	LT	A		60.0		40.0										67.0		
242+60.88	LT	A		18.0		15.8										24.4		
243+01.75	LT	A		41.4		33.9										39.2		
245+60.73	LT	A		44.5		29.0										98.2		
246+41.41	LT	A		48.1		42.0										75.3		
212+68.21	LT	A		28.0		22.0										43.1		
212+68.55	RT	A		28.0		21.0										58.4		
202+65.35	RT	A		20.0		13.4										38.4		
202+84.78	LT	A		31.0		27.2										67.1		
185+27.56	LT	A		24.1		18.0										62.7		
187+54.49	LT	A		49.3		30.0										75.3		
187+96.69	RT	A		53.1		32.2										148.8		
189+34.50	LT	A		42.0		32.0										148.1		
123+34.62	LT	A		54.0		57.5										231.4		
123+45.34	RT	A		22.0		15.0										76.8		
126+45.98	LT	A		18.0		12.0										63.8		
127+14.28	LT	A		45.0		35.0										146.9		
91+40.63	RT	A		21.5		10.0										39.7		
													TOTAL:			4225.2		

PROJECT NO:	STBG-SWAP-1185(657)--SG-07	DESIGNED BY:	K. WOLLNER
PROJECT DATE:	11/15/2022	CHECKED BY:	C. CARPER
CAD DATE:	9/6/2022 11:23:27 AM	DRAWN BY:	K. WOLLNER
CAD FILE:	c:\pw_workdir\pw_ielcjcld0595659\21C017.02_C sheets.xlsm		

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

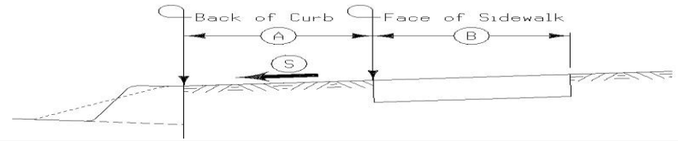
ESTIMATED QUANTITIES

SHEET NO.
C.26
STBG-SWAP-1185(657)--SG-07

113-1A
04-16-19

SIDEWALKS

See MI-220 and S Sheets



Road Identification	Station to Station		Side	A	B	S	4" PCC Sidewalk	6" PCC Sidewalk	8" PCC Sidewalk	10" PCC Sidewalk	Detectable Warnings	Remarks
				FT	FT	%	SY	SY	SY	SY	SF	
MAIN STREET	1002+99.17	1009+41.83	LT	VARIES	VARIES	VARIES	497.5					
MAIN STREET	1008+62.56	1008+80.99	LT	VARIES	VARIES	VARIES		7.1				
MAIN STREET	1008+63.88	1008+83.43	RT	VARIES	VARIES	VARIES		10.2				
MAIN STREET	1008+77.20	1009+44.08	RT	VARIES	10.00	VARIES	75.8					
MAIN STREET	1009+40.21	1009+53.90	LT	VARIES	VARIES	VARIES		13.4			20	
MAIN STREET	1009+43.57	1009+55.76	RT	VARIES	VARIES	VARIES		12.7			20	
MAIN STREET	1009+45.53	1009+59.94	LT	VARIES	VARIES	VARIES		16.9			40	
MAIN STREET	1009+49.57	1010+15.41	LT	VARIES	10.00	VARIES	87.8					
MAIN STREET	1009+51.84	1009+91.61	RT	VARIES	10.00	VARIES	74.6					
MAIN STREET	1010+43.59	1011+11.01	RT	VARIES	10.00	VARIES	82.7					
MAIN STREET	1010+67.63	1011+14.11	LT	VARIES	10.00	VARIES	83.1					
MAIN STREET	1011+02.75	1011+16.87	RT	VARIES	VARIES	VARIES		18.0			40	
MAIN STREET	1011+06.75	1011+20.56	RT	VARIES	VARIES	VARIES		18.3			20	
MAIN STREET	1011+08.41	1011+22.16	LT	VARIES	VARIES	VARIES		17.5			20	
MAIN STREET	1011+18.71	1016+54.23	RT	VARIES	VARIES	VARIES	294.9					
MAIN STREET	1011+20.53	1016+54.22	LT	VARIES	VARIES	VARIES	247.8					
MAIN STREET	1011+87.65	1012+05.27	RT	VARIES	VARIES	VARIES		7.1				
MAIN STREET	1011+94.82	1012+07.25	LT	VARIES	VARIES	VARIES		4.7				
MAIN STREET	1016+53.26	1016+73.38	RT	VARIES	VARIES	VARIES		15.7			20	
MAIN STREET	1016+53.22	1016+60.15	LT	VARIES	VARIES	VARIES		5.0			10	
MAIN STREET	1016+58.22	1016+65.23	LT	VARIES	VARIES	VARIES	4.4					
MAIN STREET	1016+60.23	1016+74.88	RT	VARIES	VARIES	VARIES		8.3			10	
MAIN STREET	1017+07.60	1017+24.23	LT	VARIES	VARIES	VARIES		12.2			10	
MAIN STREET	1017+08.63	1017+22.29	RT	VARIES	VARIES	VARIES		7.2			10	
MAIN STREET	1017+22.29	1020+50.59	RT	9.00	5.00	VARIES	162.9					
MAIN STREET	1017+24.23	1020+49.67	LT	9.00	5.00	VARIES	158.4					
MAIN STREET	1020+49.60	1020+69.98	RT	VARIES	VARIES	VARIES		15.8			20	
MAIN STREET	1020+48.67	1020+55.62	LT	VARIES	VARIES	VARIES		6.1			10	
MAIN STREET	1020+54.67	1020+60.67	LT	VARIES	VARIES	VARIES	3.1					
MAIN STREET	1020+55.67	1020+71.03	LT	VARIES	VARIES	VARIES		8.6			10	
MAIN STREET	1021+04.35	1021+18.67	LT	VARIES	VARIES	VARIES		7.9			10	
MAIN STREET	1021+05.23	1021+19.22	RT	VARIES	VARIES	VARIES		7.1			10	
MAIN STREET	1021+13.67	1023+85.17	LT	VARIES	5.00	VARIES	128.0					
MAIN STREET	1021+14.42	1022+13.16	RT	VARIES	VARIES	VARIES	65.9					
MAIN STREET	1022+13.16	1022+50.16	RT	0.00	5.00	VARIES		8.0				
MAIN STREET	1022+50.16	1023+90.09	RT	VARIES	VARIES	VARIES	94.9					
MAIN STREET	1023+85.09	1024+00.71	RT	VARIES	VARIES	VARIES		8.9			10	
MAIN STREET	1023+85.17	1023+97.64	LT	VARIES	VARIES	VARIES		5.8			10	
MAIN STREET	1024+33.45	1024+49.09	RT	VARIES	VARIES	VARIES		8.9			10	
MAIN STREET	1024+36.78	1024+57.09	LT	VARIES	VARIES	VARIES		13.0			20	
MAIN STREET	1024+44.09	1024+51.09	RT	VARIES	5.00	VARIES	3.9					
MAIN STREET	1025+50.13	1024+57.09	RT	VARIES	VARIES	VARIES		6.2			10	
MAIN STREET	1024+56.09	1032+10.23	RT	VARIES	VARIES	VARIES	381.1					
MAIN STREET	1024+56.09	1032+09.72	LT	VARIES	VARIES	VARIES	477.3					
MAIN STREET	1030+37.81	1030+48.12	LT	VARIES	VARIES	VARIES		3.1				
MAIN STREET	1030+40.01	1030+52.33	RT	VARIES	VARIES	VARIES		3.7				
MAIN STREET	1032+09.65	1032+22.78	RT	VARIES	VARIES	VARIES		17.5			20	
MAIN STREET	1032+07.36	1032+21.86	LT	VARIES	VARIES	VARIES		18.3			20	
MAIN STREET	1032+13.21	1032+27.42	LT	VARIES	VARIES	VARIES		19.5			40	
MAIN STREET	1032+16.80	1032+74.06	LT	6.00	10.00	VARIES	71.4					
MAIN STREET	1032+17.78	1032+62.32	RT	6.00	10.00	VARIES	79.8					
MAIN STREET	1033+19.84	1033+79.81	RT	6.00	10.00	VARIES	73.6					
MAIN STREET	1033+29.79	1033+84.04	LT	6.00	10.00	VARIES	90.4					
MAIN STREET	1033+70.75	1033+84.51	RT	VARIES	VARIES	VARIES	21.8				40	
MAIN STREET	1033+75.53	1033+88.87	RT	VARIES	VARIES	VARIES		17.5			20	
MAIN STREET	1033+75.44	1033+89.58	RT	VARIES	VARIES	VARIES		18.4			20	
MAIN STREET	1033+87.54	1036+10.03	LT	VARIES	VARIES	VARIES	199.2					
MAIN STREET	1033+87.46	1039+46.04	RT	VARIES	VARIES	VARIES	288.0					
MAIN STREET	1034+91.92	1035+07.55	LT	VARIES	VARIES	VARIES		6.2				
MAIN STREET	1034+95.35	1035+09.77	LT	VARIES	VARIES	VARIES		6.2				
MAIN STREET	1036+10.03	1036+22.89	LT	VARIES	VARIES	VARIES		6.6			10	
MAIN STREET	1036+57.88	1036+72.13	LT	VARIES	VARIES	VARIES		7.2			10	
MAIN STREET	1036+72.13	1039+47.06	LT	VARIES	5.00	VARIES	158.2					
MAIN STREET	1039+46.04	1039+60.33	RT	VARIES	VARIES	VARIES		11.7			20	
MAIN STREET	1039+46.08	1039+63.43	LT	VARIES	VARIES	VARIES		13.7			20	
MAIN STREET	1039+92.68	1040+10.06	LT	VARIES	VARIES	VARIES		14.6			20	
MAIN STREET	1039+95.59	1040+11.00	RT	VARIES	VARIES	VARIES		11.9			20	
MAIN STREET	1040+10.06	1042+78.85	LT	9.00	5.00	VARIES	160.9					

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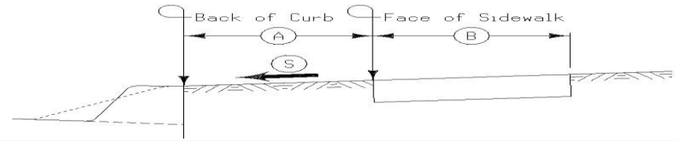
SIDEWALKS

See MI-220 and S Sheets



Road Identification	Station to Station		Side	A	B	S	4" PCC Sidewalk	6" PCC Sidewalk	8" PCC Sidewalk	10" PCC Sidewalk	Detectable Warnings	Remarks
				FT	FT	%	SY	SY	SY	SY	SF	
MAIN STREET	1040+10.05	1042+78.61	RT	9.00	5.00	VARIES	154.6					
MAIN STREET	1042+78.85	1042+93.19	LT	VARIES	VARIES	VARIES		11.8			20	
MAIN STREET	1042+77.70	1042+92.93	RT	VARIES	VARIES	VARIES		11.7			20	
MAIN STREET	1043+28.45	1043+43.81	LT	VARIES	VARIES	VARIES		11.8			20	
MAIN STREET	1043+28.19	1043+43.60	RT	VARIES	VARIES	VARIES		11.9			20	
MAIN STREET	1043+42.85	1046+05.69	LT	9.00	5.00	VARIES	159.2					
MAIN STREET	1043+42.61	1046+05.69	RT	9.00	5.00	VARIES	158.9					
MAIN STREET	1046+04.37	1046+27.24	LT	VARIES	VARIES	VARIES		17.3			20	
MAIN STREET	1046+04.71	1046+23.44	RT	VARIES	VARIES	VARIES		14.6			20	
MAIN STREET	1046+59.70	1046+74.56	RT	VARIES	VARIES	VARIES		11.3			20	
MAIN STREET	1046+57.97	1046+74.35	LT	VARIES	VARIES	VARIES		12.1			20	
MAIN STREET	1046+73.37	1049+41.78	LT	9.00	6.00	VARIES	165.6					
MAIN STREET	1046+73.60	1049+40.48	RT	9.00	5.00	VARIES	153.5					
MAIN STREET	1049+40.86	1049+54.65	LT	VARIES	VARIES	VARIES		9.7			20	
MAIN STREET	1049+39.60	1049+52.79	RT	VARIES	VARIES	VARIES		9.7			20	
MAIN STREET	1049+90.81	1050+04.79	LT	VARIES	VARIES	VARIES		9.9			20	
MAIN STREET	1049+91.02	1050+05.53	RT	VARIES	VARIES	VARIES		12.8			20	
MAIN STREET	1050+03.78	1051+94.15	LT	VARIES	VARIES	VARIES	164.6					
MAIN STREET	1050+04.48	1051+94.19	RT	VARIES	VARIES	VARIES	172.1					
MAIN STREET	1050+74.99	1050+89.93	LT	VARIES	VARIES	VARIES		5.4				
MAIN STREET	1050+91.57	1051+07.09	RT	VARIES	VARIES	VARIES		6.2				
MAIN STREET	1051+91.31	1052+05.55	LT	VARIES	VARIES	VARIES		14.8			20	
MAIN STREET	1051+92.97	1052+06.17	RT	VARIES	VARIES	VARIES		17.5			20	
MAIN STREET	1051+97.53	1052+11.76	LT	VARIES	VARIES	VARIES		14.0			40	
MAIN STREET	1051+93.66	1052+39.96	RT	6.00	10.00	VARIES	95.0					
MAIN STREET	1052+00.90	1052+71.76	LT	VARIES	10.00	VARIES	88.6					
MAIN STREET	1053+03.86	1053+57.31	RT	VARIES	10.00	VARIES	58.8					
MAIN STREET	1053+32.62	1053+66.48	LT	6.00	10.00	VARIES	72.1					
MAIN STREET	1053+52.53	1053+66.96	RT	VARIES	VARIES	VARIES		10.9			40	
MAIN STREET	1053+55.30	1053+67.24	RT	VARIES	VARIES	VARIES		11.2			20	
MAIN STREET	1053+60.30	1053+74.46	LT	VARIES	VARIES	VARIES		17.5			20	
MAIN STREET	1053+66.45	1056+46.76	RT	VARIES	VARIES	VARIES	243.2					
MAIN STREET	1053+72.51	1056+46.74	LT	VARIES	VARIES	VARIES	211.9					
MAIN STREET	1054+67.48	1054+83.74	LT	VARIES	VARIES	VARIES		6.6				
MAIN STREET	1054+85.16	1055+01.81	RT	VARIES	VARIES	VARIES		5.8				
MAIN STREET	1056+45.68	1056+58.61	LT	VARIES	VARIES	VARIES		9.2			20	
MAIN STREET	1056+45.77	1056+64.15	RT	VARIES	VARIES	VARIES		14.6			20	
MAIN STREET	1056+98.87	1057+10.74	LT	VARIES	VARIES	VARIES		9.2			20	
MAIN STREET	1056+93.41	1057+11.73	RT	VARIES	VARIES	VARIES		14.6			20	
MAIN STREET	1057+10.74	1059+77.05	LT	VARIES	5.00	VARIES	155.5					
MAIN STREET	1057+10.76	1059+77.24	RT	VARIES	5.00	VARIES	165.2					
MAIN STREET	1059+76.25	1059+94.63	RT	VARIES	VARIES	VARIES		14.6			20	
MAIN STREET	1059+76.12	1059+89.43	LT	VARIES	VARIES	VARIES		9.8			20	
MAIN STREET	1060+28.62	1060+41.92	LT	VARIES	VARIES	VARIES		9.8			20	
MAIN STREET	1060+23.95	1060+42.25	RT	VARIES	VARIES	VARIES		14.6			20	
MAIN STREET	1060+41.00	1063+07.51	LT	VARIES	5.00	VARIES	158.1					
MAIN STREET	1060+41.29	1063+07.47	RT	VARIES	5.00	VARIES	126.8					
MAIN STREET	1063+06.59	1063+20.39	LT	VARIES	VARIES	VARIES		10.3			20	
MAIN STREET	1063+06.53	1063+19.87	RT	VARIES	VARIES	VARIES		9.8			20	
MAIN STREET	1063+59.64	1063+71.40	LT	VARIES	VARIES	VARIES		8.1			20	
MAIN STREET	1063+59.13	1063+72.36	RT	VARIES	VARIES	VARIES		9.7			20	
MAIN STREET	1063+70.51	1064+67.73	LT	9.00	5.00	VARIES	53.9					
MAIN STREET	1063+71.47	1064+67.74	RT	9.00	5.00	VARIES	56.7					
MAIN STREET	1064+59.87	1064+69.87	CENTER	VARIES	VARIES	VARIES		8.7			24	
MAIN STREET	1064+61.37	1064+68.37	LT	VARIES	VARIES	VARIES		8.8			10	
MAIN STREET	1064+61.37	1064+68.37	RT	VARIES	VARIES	VARIES		8.8			10	
MAIN STREET	1064+67.37	1066+41.01	LT	9.00	5.00	VARIES	98.9					
MAIN STREET	1064+67.37	1066+41.07	RT	9.00	5.00	VARIES	69.8					
MAIN STREET	1066+40.12	1066+52.37	LT	VARIES	VARIES	VARIES		8.7			20	
MAIN STREET	1066+40.07	1066+47.07	RT	VARIES	VARIES	VARIES		8.8			10	
MAIN STREET	1066+46.07	1066+60.91	LT	9.00	5.00	VARIES	8.2					
MAIN STREET	1066+60.91	1066+71.42	RT	VARIES	VARIES	VARIES		6.2			10	
MAIN STREET	1066+91.58	1067+09.95	LT	VARIES	VARIES	VARIES		14.2			20	
MAIN STREET	1066+96.45	1067+09.96	RT	VARIES	VARIES	VARIES		12.7			20	
MAIN STREET	1067+08.97	1069+71.62	LT	VARIES	5.00	VARIES	135.9					
MAIN STREET	1067+08.97	1069+71.71	RT	VARIES	5.00	VARIES	147.9					
MAIN STREET	1069+70.74	1069+82.48	LT	VARIES	VARIES	VARIES		8.1			20	
MAIN STREET	1069+70.78	1069+84.11	RT	VARIES	VARIES	VARIES		9.8			20	

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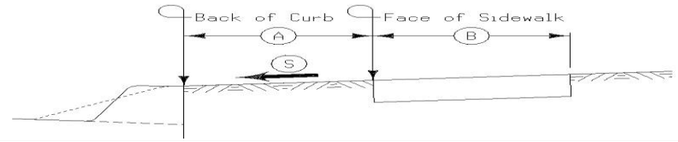
SIDEWALKS

See MI-220 and S Sheets



Road Identification	Station to Station		Side	A	B	S	4" PCC Sidewalk	6" PCC Sidewalk	8" PCC Sidewalk	10" PCC Sidewalk	Detectable Warnings	Remarks
				FT	FT	%	SY	SY	SY	SY	SF	
MAIN STREET	1070+21.74	1070+34.52	LT	VARIES	VARIES	VARIES		9.2			20	
MAIN STREET	1070+21.37	1070+35.61	RT	VARIES	VARIES	VARIES		10.8			20	
MAIN STREET	1070+33.62	1072+96.25	LT	9.00	5.00	VARIES	124.4					
MAIN STREET	1070+34.71	1072+96.25	RT	9.00	5.00	VARIES	144.4					
MAIN STREET	1072+95.34	1073+09.27	LT	VARIES	VARIES	VARIES		8.7			20	
MAIN STREET	1072+95.24	1073+12.75	RT	VARIES	VARIES	VARIES		15.4			20	
MAIN STREET	1073+35.75	1073+47.02	RT	VARIES	VARIES	VARIES		6.6			10	
MAIN STREET	1073+50.70	1073+65.20	LT	VARIES	VARIES	VARIES		13.3			20	
MAIN STREET	1073+58.19	1073+65.19	RT	VARIES	VARIES	VARIES		6.1			10	
SEERELY	241+87.99	241+99.99	LT	0.00	7.00	VARIES	9.3					
SEERELY	242+26.80	243+27.81	RT	VARIES	VARIES	VARIES	123.3					
SEERELY	242+26.83	243+27.62	LT	VARIES	VARIES	VARIES	31.1					
SEERELY	243+26.05	243+39.36	RT	VARIES	VARIES	VARIES		18.0			20	
SEERELY	243+31.90	243+45.55	CENTER	VARIES	VARIES	VARIES		13.6			40	
SEERELY	243+29.00	243+40.63	LT	VARIES	VARIES	VARIES		13.5			20	
SEERELY	244+88.70	245+03.09	CENTER	VARIES	VARIES	VARIES		12.7			40	
SEERELY	244+95.60	245+09.71	RT	VARIES	VARIES	VARIES		13.6			20	
SEERELY	244+93.08	245+06.10	LT	VARIES	VARIES	VARIES		17.5			20	
SEERELY	245+08.20	246+77.64	RT	VARIES	VARIES	VARIES	109.0					
SEERELY	245+05.55	246.75.81	LT	VARIES	VARIES	VARIES	55.3					
22ND ST	221+04.01	221+57.55	RT	VARIES	VARIES	VARIES	29.4					
21ST ST	211+35.00	211+58.47	RT	VARIES	VARIES	VARIES	13.1					
21ST ST	212+39.01	212+92.52	RT	VARIES	VARIES	VARIES	17.4					
21ST ST	212+38.99	212+92.52	LT	VARIES	VARIES	VARIES	17.5					
20TH ST	201+32.97	201+64.58	RT	VARIES	VARIES	VARIES	17.5					
20TH ST	202+42.52	203+15.00	RT	VARIES	VARIES	VARIES	32.4					
20TH ST	202+42.48	203+15.00	LT	VARIES	VARIES	VARIES	26.3					
18TH ST	183+00.35	183+21.08	LT	VARIES	VARIES	VARIES	16.9					
18TH ST	183+16.08	183+32.13	LT	VARIES	VARIES	VARIES		9.0			10	
18TH ST	183+32.46	185+55.32	RT	VARIES	VARIES	VARIES	180.0					
18TH ST	183+65.11	183+83.12	LT	VARIES	VARIES	VARIES		10.1			10	
18TH ST	183+78.12	185+58.38	LT	VARIES	VARIES	VARIES	140.9					
18TH ST	184+37.33	184+59.00	LT	VARIES	VARIES	VARIES		12.9				
18TH ST	184+36.68	184+54.46	RT	VARIES	VARIES	VARIES		9.9				
18TH ST	185+53.34	185+67.64	RT	VARIES	VARIES	VARIES		17.5			20	
18TH ST	185+59.74	185+73.84	CENTER	VARIES	VARIES	VARIES		13.7			40	
18TH ST	185+58.50	185+70.16	LT	VARIES	VARIES	VARIES		18.3			20	
18TH ST	187+17.99	187+31.33	CENTER	VARIES	VARIES	VARIES		13.9			40	
18TH ST	187+23.42	187+38.31	RT	VARIES	VARIES	VARIES		18.3			20	
18TH ST	187+22.28	187+35.59	LT	VARIES	VARIES	VARIES		17.5			20	
18TH ST	187+36.93	188+54.24	RT	VARIES	VARIES	VARIES	44.9					
18TH ST	187+34.97	188+51.55	LT	VARIES	VARIES	VARIES	70.4					
18TH ST	189+80.30	189+98.30	RT	VARIES	VARIES	VARIES	34.7					
18TH ST	190+14.51	190+25.57	LT	VARIES	VARIES	VARIES	5.8					
18TH ST	190+25.91	190+37.34	LT	VARIES	VARIES	VARIES		16.8			20	
18TH ST	190+26.40	190+42.10	RT	VARIES	VARIES	VARIES	10.1					
18TH ST	190+35.95	190+52.41	RT	VARIES	VARIES	VARIES		9.9			10	
18TH ST	190+33.34	190+40.92	RT	VARIES	VARIES	VARIES	12.3					
18TH ST	190+30.79	190+38.30	RT	VARIES	VARIES	VARIES		7.4			10	
17TH ST	171+10.06	171+59.25	RT	VARIES	VARIES	VARIES	26.3					
17TH ST	171+20.08	171+22.97	LT	VARIES	VARIES	VARIES	3.3					
16TH ST	161+34.45	161+61.00	RT	VARIES	VARIES	VARIES	14.6					
16TH ST	161+34.49	161+61.00	LT	VARIES	VARIES	VARIES	14.5					
15TH ST	151+10.00	151+60.94	RT	VARIES	VARIES	VARIES	28.2					
15TH ST	151+10.00	151+61.07	LT	VARIES	VARIES	VARIES	28.3					
15TH ST	152+39.11	152+66.85	RT	VARIES	VARIES	VARIES	15.4					
15TH ST	152+38.89	152+65.00	LT	VARIES	VARIES	VARIES	14.2					
14TH ST	140+98.95	141+62.02	LT	VARIES	VARIES	VARIES	34.4					
14TH ST	142+39.08	142+43.77	RT	VARIES	VARIES	VARIES	2.6					
14TH ST	142+38.94	142+71.18	LT	VARIES	VARIES	VARIES	17.8					
13TH ST	130+85.73	131+61.96	RT	VARIES	VARIES	VARIES	42.3					
13TH ST	130+87.50	131+62.04	LT	VARIES	VARIES	VARIES	41.3					
13TH ST	132+39.12	132+58.11	RT	VARIES	VARIES	VARIES	10.4					
13TH ST	132+38.88	132+57.89	LT	VARIES	VARIES	VARIES	10.4					
12TH ST	122+01.92	124+22.75	RT	VARIES	VARIES	VARIES	74.7					
12TH ST	122+02.02	124+30.17	LT	VARIES	VARIES	VARIES	139.0					
12TH ST	124+20.65	124+35.99	RT	VARIES	VARIES	VARIES		18.7			20	
12TH ST	124+31.09	124+45.83	CENTER	VARIES	VARIES	VARIES		12.7			40	

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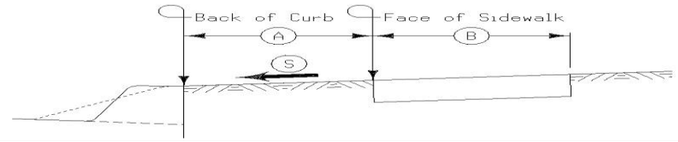
SIDEWALKS

See MI-220 and S Sheets



Road Identification	Station to Station		Side	A	B	S	4" PCC Sidewalk	6" PCC Sidewalk	8" PCC Sidewalk	10" PCC Sidewalk	Detectable Warnings	Remarks
				FT	FT	%	SY	SY	SY	SY	SF	
12TH ST	124+30.42	124+42.27	LT	VARIES	VARIES	VARIES		18.4			20	
12TH ST	124+86.32	125+99.89	CENTER	VARIES	VARIES	VARIES		13.2			40	
12TH ST	125+91.65	126+06.78	RT	VARIES	VARIES	VARIES		18.4			20	
12TH ST	125+91.40	126+04.50	LT	VARIES	VARIES	VARIES		17.6			20	
12TH ST	126+03.61	126+96.18	LT	VARIES	VARIES	VARIES	86.6					
12TH ST	126+04.68	127+70.34	RT	VARIES	VARIES	VARIES	143.9					
12TH ST	128+22.53	128+41.75	LT	VARIES	VARIES	VARIES	18.2					
12TH ST	128+37.92	128+52.36	LT	VARIES	VARIES	VARIES		15.1			16	
12TH ST	128+37.04	128+43.39	LT	VARIES	VARIES	VARIES		7.4			10	
12TH ST	128+37.88	128+42.67	LT	VARIES	VARIES	VARIES	7.5					
12TH ST	128+36.83	128+43.83	RT	VARIES	VARIES	VARIES		5.9			10	
12TH ST	128+37.70	128+42.88	RT	VARIES	VARIES	VARIES	7.8					
11TH ST	111+22.03	111+61.01	RT	VARIES	VARIES	VARIES	21.4					
11TH ST	111+20.54	111+60.99	LT	VARIES	VARIES	VARIES	22.5					
11TH ST	112+38.97	112+84.35	RT	VARIES	VARIES	VARIES	24.8					
11TH ST	112+39.03	112+84.35	LT	VARIES	VARIES	VARIES	25.0					
10TH ST	101+25.00	1010+61.03	RT	VARIES	VARIES	VARIES	19.9					
10TH ST	101+25.00	1010+61.01	LT	VARIES	VARIES	VARIES	19.9					
10TH ST	102+38.97	102+59.88	RT	VARIES	VARIES	VARIES	11.1					
10TH ST	102+39.07	102+65.18	LT	VARIES	VARIES	VARIES	14.7					
9TH ST	91+30.60	91+61.00	LT	VARIES	VARIES	VARIES	16.6					
9TH ST	91+49.78	91+61.00	RT	VARIES	VARIES	VARIES	6.2					
9TH ST	92+38.93	92+70.00	RT	VARIES	VARIES	VARIES	17.2					
9TH ST	92+93.08	92+69.98	LT	VARIES	VARIES	VARIES	17.1					
8TH ST	80+28.16	81+60.97	RT	VARIES	VARIES	VARIES	73.6					
8TH ST	81+35.12	81+61.06	LT	VARIES	VARIES	VARIES	14.2					
8TH ST	85+38.88	85+67.00	RT	VARIES	VARIES	VARIES	12.8					
8TH ST	85+39.11	85+67.00	LT	VARIES	VARIES	VARIES	12.7					
7TH ST	71+34.10	71+60.99	RT	VARIES	VARIES	VARIES	14.8					
7TH ST	71+36.50	71+61.01	LT	VARIES	VARIES	VARIES	13.3					
7TH ST	72+38.94	72+53.95	RT	VARIES	VARIES	VARIES	8.3					
7TH ST	72+39.07	72+54.06	LT	VARIES	VARIES	VARIES	8.4					
6TH ST	61+18.00	61+60.97	RT	VARIES	VARIES	VARIES	24.3					
6TH ST	61+18.00	61+61.01	LT	VARIES	VARIES	VARIES	24.1					
6TH ST	65+38.94	65+57.53	RT	VARIES	VARIES	VARIES	10.3					
						TOTAL:	**9624.2**	**1392.0**			**2100**	

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10-19-10

COMBINED CONCRETE SIDEWALK AND RETAINING WALL

See MI-221

Location			Retaining Wall			Sidewalk		Concrete		Porous Backfill	Reinforcing Steel
Station to Station		Side	Type	Height, H	Thickness	Width, W	Thickness	Retaining Wall	Sidewalk & Footing		
				FT	FT	FT	FT	CY	CY	CY	LB
MAIN STREET											
1015+36.13	1015+45.22	L	A	3 to 4	1.0	5.0	0.5	1.2	1.0	0.2	60
1015+49.22	1015+95.00	L	B	4.0	1.0	5.0	0.5	6.8	7.6	1.1	525
1015+95.00	1016+00.00	L	B	4 to 4.5	1.0	5.0	0.5	0.8	0.8	0.1	62
1016+00.00	1016+39.72	L	B	4.5	1.0	5.0	0.5	6.6	6.6	1.0	495
1016+43.72	1016+58.00	L	B	4.5 to 3	1.0	5.0	0.5	2.0	2.4	0.4	165
1017+24.23	1017+29.23	L	A	1 to 3	1.0	5.0	0.5	0.4	0.6	0.1	27
1017+29.23	1017+46.01	L	A	3.0	1.0	5.0	0.5	1.9	1.9	0.4	96
1017+50.01	1017+70.00	L	A	3 to 2.5	1.0	5.0	0.5	2.0	2.2	0.5	112
1017+70.00	1018+23.02	L	A	2.5	1.0	5.0	0.5	4.9	5.9	1.3	283
1018+27.02	1018+45.46	L	A	2.5 to 1	1.0	5.0	0.5	1.2	2.0	0.5	78
1022+50.00	1023+25.00	R	A	1.0	1.0	6.0	0.5	2.8	9.7	1.9	284
1037+70.00	1037+75.00	R	A	1 to 1.5	1.0	5.0	0.5	0.2	0.6	0.1	21
1037+75.00	1037+92.49	R	A	1.5 to 2	1.0	5.0	0.5	1.1	1.9	0.4	73
1037+96.39	1038+35.41	R	A	2.0	1.0	5.0	0.5	2.9	4.3	1.0	197
1038+12.23	1038+22.23	L	A	1 to 2	1.0	5.0	0.5	0.6	1.1	0.2	42
1038+22.23	1038+51.05	L	A	2.0	1.0	5.0	0.5	2.1	3.2	0.7	145
1038+39.80	1039+10.25	R	A	2.0	1.0	5.0	0.5	5.2	7.8	1.7	355
1038+55.05	1038+65.55	L	A	2 to 2.5	1.0	5.0	0.5	0.9	1.2	0.3	54
1038+65.55	1039+17.98	L	A	2.5 to 3	1.0	5.0	0.5	5.3	5.8	1.3	285
1039+14.25	1039+37.46	R	A	2.0	1.0	5.0	0.5	1.7	2.6	0.6	117
1039+25.48	1039+40.56	L	A	2.5	1.0	5.0	0.5	1.4	1.7	0.4	80
1039+37.46	1039+46.04	R	A	2 to 1	1.0	5.0	0.5	0.5	1.0	0.2	36
1039+40.56	1039+47.06	L	A	2.5 to 2	1.0	5.0	0.5	0.5	0.7	0.2	35
1039+46.04	1039+51.04	R	A	1.0	1.0	5.0	0.5	0.2	0.6	0.1	20
1040+10.06	1040+25.06	L	A	1 to 1.5	1.0	5.0	0.5	0.7	1.7	0.4	59
1040+25.06	1040+39.13	L	A	1.5	1.0	5.0	0.5	0.8	1.6	0.3	59
1040+43.13	1040+90.73	L	A	1.5	1.0	5.0	0.5	2.6	5.3	1.2	194
1040+90.73	1041+01.23	L	A	1.5 to 1	1.0	5.0	0.5	0.5	1.2	0.3	41
1041+06.23	1041+25.00	L	A	1.0	1.0	5.0	0.5	0.7	2.1	0.5	73
1046+73.37	1046+88.38	L	A	1.5 to 2	1.0	5.0	0.5	1.0	1.7	0.4	63
1046+88.38	1047+17.90	L	A	2.0	1.0	5.0	0.5	2.2	3.3	0.7	150
1047+21.90	1047+45.00	L	A	2 to 3	1.0	5.0	0.5	2.1	2.6	0.6	123
1047+45.00	1047+78.68	L	A	3.0	1.0	5.0	0.5	3.7	3.7	0.8	188
1047+84.68	1047+95.00	L	B	3 to 3.5	1.0	5.0	0.5	1.2	1.7	0.3	114
1047+95.00	1048+41.70	L	B	3.5	1.0	5.0	0.5	6.1	7.8	1.2	523
1048+46.70	1048+70.00	L	B	3.5	1.0	5.0	0.5	3.0	3.9	0.6	258
1048+70.00	1049+00.00	L	B	3.5 to 4	1.0	5.0	0.5	4.2	5.0	0.7	338
1049+00.00	1049+10.00	L	B	4.0	1.0	5.0	0.5	1.5	1.7	0.2	116
1049+10.00	1049+26.78	L	B	4 to 3.5	1.0	5.0	0.5	2.3	2.8	0.4	192
1049+26.78	1049+36.58	L	B	3.5 to 3	1.0	5.0	0.5	1.2	1.6	0.2	111
1067+08.97	1067+23.97	R	A	2 to 2.5	1.0	5.0	0.5	1.3	1.7	0.4	78
1067+23.97	1067+54.88	R	A	2.5	1.0	5.0	0.5	2.9	3.4	0.8	165
1067+59.88	1067+74.47	R	A	2.5 to 1	1.0	5.0	0.5	0.9	1.6	0.4	63
1067+87.47	1068+11.93	R	A	1.0	1.0	5.0	0.5	0.9	2.7	0.6	92
1068+17.93	1068+25.00	R	A	1.5 to 1	1.0	5.0	0.5	0.3	0.8	0.2	30
1068+25.00	1068+54.93	R	A	1.0	1.0	5.0	0.5	1.1	3.3	0.7	114
1068+59.93	1068+95.12	R	A	1.0	1.0	5.0	0.5	1.3	3.9	0.9	134
1069+00.12	1069+05.00	R	A	1.0	1.0	5.0	0.5	0.2	0.5	0.1	20
18TH_SW_OE_SE											
6801+88.13	6802+56.48	R	A	1.0	1.0	8.0	0.5	2.5	11.4	1.7	258
12TH_SW_OE_SW											
7100+00.00	7100+25.00	L	A	3.0	1.0	5.0	0.5	2.8	2.8	0.6	142
7100+29.00	7100+80.00	L	A	3.0	1.0	5.0	0.5	5.7	5.7	1.3	286
7100+80.00	7101+12.73	L	B	3 to 3.5	1.0	8.0	0.5	3.9	7.3	0.8	363
7101+16.76	7101+45.81	L	B	3.5 to 4	1.0	8.0	0.5	4.0	6.5	0.7	326
7101+45.81	7101+65.42	L	B	4 to 5	1.0	8.0	0.5	3.3	4.4	0.5	243
7101+69.49	7101+88.93	L	B	5.0	1.0	8.0	0.5	3.6	4.3	0.5	247
7101+88.93	7101+98.93	L	B	5.0	1.0	8.0	0.5	1.9	2.2	0.2	129
7101+98.93	7102+12.39	L	B	5 to 3	1.0	8.0	0.5	2.0	3.0	0.3	156
7102+12.39	7102+30.00	L	A	3 to 1	1.0	8.0	0.5	1.3	2.9	0.4	91
							TOTAL:	126.9	189.1	34.5	9184

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08-01-08

CONCRETE STEPS AND COMBINED CONCRETE STEPS AND RETAINING WALL CONSTRUCTION

Location		Steps			Lugs	Landings		Retaining Wall	Concrete	Steel	Handrail		Remarks
Station	Side	Z	Y	Number Required	Number	Number	LF	Number	CY	LB	Length	Post Number	
											LF		
1015+47.22	L	12	6	10	1			2	3.2		12.0	4	
1016+41.72	L	12	6	11	1			2	3.4		13.0	4	
1017+48.00	L	12	6	7	1			2	2.4		9.0	3	
1018+25.00	L	12	6	6	1			2	2.1		8.0	3	
1019+00.00	L	15	5	8	1				2.0		12.0	4	
1022+88.67	L	15	5	2	1				0.9		4.5	2	
1037+80.50	L	15	5	3	1				1.1		5.8	2	
1037+94.44	R	12	6	5	1			2	1.8		7.0	3	
1038+37.60	R	12	6	5	1			2	1.8		7.0	3	
1038+53.05	L	12	6	5	1			2	1.8		7.0	3	
1039+12.25	R	12	6	4	1			2	1.6		6.0	2	
1039+21.50	L	12	6	6	1			2	2.1		8.0	3	
1040+41.00	L	12	6	4	1			2	1.6		6.0	2	
1041+03.73	L	12	6	2	1			2	1.0		4.0	2	
1047+19.90	L	12	6	5	1			2	1.8		7.0	3	
1047+81.67	L	12	6	8	1			2	2.6		10.0	3	
1048+44.20	L	11	7	7	1			2	2.4		8.5	3	
1049+38.17	L	12	6	9	1			2	2.9		11.0	3	
1050+30.77	L	12	6	6	1			2	2.1		8.0	3	
1051+18.35	L	11	7	7	1			2	2.4		8.5	3	
1051+70.36	L	11	7	9	1			2	2.9		10.5	3	
1064+10.54	R	15	5	4	1				1.3		7.0	3	
1064+64.87	R	15	5	6	1				1.7		9.5	3	
1064+64.87	L	15	5	5	1				1.5		7.3	3	
1065+32.28	L	12	6	4	1			2	1.6		6.0	2	
1065+80.24	L	12	6	5	1			2	1.8		7.0	3	
1066+24.73	L	12	6	5	1			2	1.8		7.0	3	
1067+57.38	R	11	7	4	1			2	1.6		5.8	2	
1068+14.93	R	11	7	3	1			2	1.3		4.8	2	
1068+57.43	R	15	5	3	1			2	1.3		5.8	2	
1068+97.62	R	12	6	3	1			2	1.3		5.0	2	
1071+66.33	L	12	6	4	1				1.3		6.0	2	
123+90.95	L	12	6	4	1				1.3		6.0	2	
TOTAL:				179	33			50	61.8		249.8	90	

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WIRE, CABLE AND CONNECTORS

Circuit Number	Connectors Type	Connectors Quan. No.	Connectors Type	Connectors Quan. No.	Connectors Type	Connectors Quan. No.	Connectors Type	Connectors Quan. No.	Phase Lines Size A.W.G.	Phase Lines Quan. LF	Phase Lines Size A.W.G.	Phase Lines Quan. LF	Phase Lines Size A.W.G.	Phase Lines Quan. LF	Phase Lines Size A.W.G.	Phase Lines Quan. LF	Ground Size A.W.G.	Ground Quan. LF	Remarks
A	L-1	2	Y-1	8					R #10	442.0	B #10	442.0	W #10	442.0					
B	L-1	2	Y-1	12					R #10	1133.0	B #10	1133.0	W #10	1133.0					
C	L-1	2	Y-1	14					R #10	1100.0	B #10	1100.0	W #10	1100.0					
D	L-1	2	Y-1	8					R #10	1024.0	B #10	1024.0	W #10	1024.0					
E	L-1	2	Y-1	12					R #10	1149.0	B #10	1149.0	W #10	1149.0					
F	L-1	2	Y-1	10					R #10	1158.0	B #10	1158.0	W #10	1158.0					
G	L-1	2	Y-1	6					R #10	736.0	B #10	736.0	W #10	736.0					
H	L-1	2	Y-1	4					R #10	322.0	B #10	322.0	W #10	322.0					
J	L-1	2	Y-1	12					R #10	1330.0	B #10	1330.0	W #10	1330.0					
K	L-1	2	Y-1	8					R #10	1020.0	B #10	1020.0	W #10	1020.0					
L	L-1	2	Y-1	10					R #10	1065.0	B #10	1065.0	W #10	1065.0					
M	L-1	2	Y-1	10					R #10	971.0	B #10	971.0	W #10	971.0					
N	L-1	2	Y-1	14					R #10	1243.0	B #10	1243.0	W #10	1243.0					
P	L-1	2	Y-1	4					R #10	565.0	B #10	565.0	W #10	565.0					
Q	L-1	2	Y-1	6					R #10	328.0	B #10	328.0	W #10	328.0					

FO
MODIFIED

LIST OF UTILITY HANDHOLES

ID	Station	Offset	Side	Type	Notes
1.0	1010+55.31	188.20	LT	III	
2.0	1010+62.32	51.70	RT	III	
3.0	1032+51.54	35.48	RT	III	
4.0	1033+37.70	57.89	LT	III	
5.0	1033+46.20	44.53	RT	III	
6.0	1035+06.00	42.24	RT	III	
7.0	1052+04.05	66.46	RT	III	
8.0	1070+88.15	30.00	LT	II	
9.0	1070+88.15	30.00	RT	II	

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LIGHTING INSTALLATIONS

Location No.	Location Station	LI-101 Type	LI-101 A	LI-101 E FT	LI-201 Type	Remarks
A1	1006+22.82	II		4.0	A	
A2	1007+58.96	II		5.0	A	
A3	1009+32.23	II		14.0	A	
A4	1010+00.00	II		15.0	A	
A5	1010+19.74	II		4.0		Direct Bury
B1	1011+23.84	II		3.0		Direct Bury
B2	1013+26.75	II		3.8		Direct Bury
B3	1015+16.75	II		2.5		Direct Bury
B4	1017+28.61	II		3.5		Direct Bury
B5	1019+20.74	II		3.5		Direct Bury
B6	1021+25.30	II		3.5		Direct Bury
B7	1022+17.30	II		3.5		Direct Bury
C1	1022+95.32	II		3.5		Direct Bury
C2	1023+80.32	II		3.5		Direct Bury
C3	1025+71.40	II		3.5		Direct Bury
C4	1027+68.21	II		3.5		Direct Bury
C5	1029+62.56	II		7.5		Direct Bury
C6	1031+56.93	II		4.0		Direct Bury
C7	1032+52.72	II		4.5		Direct Bury
C8	1032+72.64	II		5.0		Direct Bury
D1	1033+40.63	II		4.5		Direct Bury
D2	1035+25.03	II		8.7		Direct Bury
D3	1037+26.02	II		5.0		Direct Bury
D4	1039+18.37	II		3.7		Direct Bury
D5	1041+01.32	II		5.0		Direct Bury
E1	1042+76.17	II		5.0		Direct Bury
E2	1044+68.62	II		5.0		Direct Bury
E3	1046+75.73	II		4.6		Direct Bury
E4	1048+50.75	II		5.0		Direct Bury
E5	1050+39.96	II		5.0		Direct Bury
E6	1052+50.14	II		4.5		Direct Bury
E7	1052+79.19	II		7.7		Direct Bury
F1	1053+40.97	II		4.5		Direct Bury
F2	1055+20.00	II		12.0		Direct Bury
F3	1057+12.61	II		5.0		Direct Bury
F4	1058+80.61	II		6.5		Direct Bury
F5	1060+67.59	II		5.0		Direct Bury
F6	1062+26.44	II		6.2		Direct Bury
G1	1063+97.48	II		5.0		Direct Bury
G2	1065+74.68	II		7.0		Direct Bury
G3	1067+64.53	II		7.5		Direct Bury
G4	1069+68.71	II		5.0		Direct Bury
H1	1071+02.64	II		5.0	A	Install Only
H2	1071+61.30	II		5.0	A	Install Only
H3	1072+19.99	II		5.0	A	Install Only
J1	1010+36.78	II		5.0		Direct Bury
J2	1010+65.97	II		3.5	A	
J3	1012+21.96	II		5.0		Direct Bury
J4	1014+18.76	II		5.0		Direct Bury
J5	1016+07.76	II		5.0		Direct Bury
J6	1018+25.00	II		5.0		Direct Bury

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LIGHTING INSTALLATIONS

Location No.	Location Station	LI-101 Type	LI-101 A	LI-101 E FT	LI-201 Type	Remarks
J7	1020+15.02	II		5.0		Direct Bury
K1	1024+73.07	II		3.5		Direct Bury
K2	1026+64.12	II		3.5		Direct Bury
K3	1028+66.89	II		3.5		Direct Bury
K4	1030+62.76	II		3.0		Direct Bury
K5	1032+47.02	II		4.0		Direct Bury
L1	1033+23.32	II		5.0		Direct Bury
L2	1033+35.06	II		4.0		Direct Bury
L3	1036+19.56	II		5.0		Direct Bury
L4	1038+23.01	II		5.0		Direct Bury
L5	1040+12.66	II		5.0		Direct Bury
L6	1041+92.66	II		5.0		Direct Bury
M1	1043+70.45	II		5.0		Direct Bury
M2	1045+65.60	II		5.0		Direct Bury
M3	1047+60.06	II		5.0		Direct Bury
M4	1049+36.64	II		5.0		Direct Bury
M5	1051+49.94	II		3.0		Direct Bury
M5	1052+30.49	II		4.5		Direct Bury
N1	1052+96.89	II		5.0		Direct Bury
N2	1053+20.13	II		4.7		Direct Bury
N3	1054+18.04	II		3.0		Direct Bury
N4	1056+16.50	II		9.0		Direct Bury
N5	1057+95.89	II		7.0		Direct Bury
N6	1059+68.91	II		5.0		Direct Bury
N7	1061+46.00	II		7.0		Direct Bury
N8	1063+04.90	II		5.0		Direct Bury
P1	1064+83.42	II		7.0		Direct Bury
P2	1066+62.42	II		5.7		Direct Bury
P3	1068+66.62	II		4.0		Direct Bury
Q1	1071+02.61	II		5.0	A	Install Only
Q2	1071+59.51	II		5.0	A	Install Only
Q3	1072+07.33	II		5.0	A	Install Only
Q4	1072+55.16	II		5.0	A	Install Only

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ELECTRICAL DUCTS

Location	Conduit Type	Dia. IN	Length FT	Remarks
A1 TO A2	HDPE	1.0	137.0	
A2 TO A3	HDPE	1.0	175.0	
A3 TO A4	HDPE	1.0	75.0	
A4 TO A5	HDPE	1.0	55.0	
B1 TO B2	HDPE	1.0	204.0	
B2 TO B3	HDPE	1.0	190.0	
B3 TO B4	HDPE	1.0	212.0	
B4 TO B5	HDPE	1.0	189.0	
B5 TO B6	HDPE	1.0	205.0	
B6 TO B7	HDPE	1.0	92.0	
B7 TO PWR	HDPE	1.0	41.0	
PWR TO C1	HDPE	1.0	47.0	
C1 TO C2	HDPE	1.0	86.0	
C2 TO C3	HDPE	1.0	191.0	
C3 TO C4	HDPE	1.0	197.0	
C4 TO C5	HDPE	1.0	195.0	
C5 TO C6	HDPE	1.0	199.0	
C6 TO C7	HDPE	1.0	100.0	
C7 TO C8	HDPE	1.0	85.0	
HH4 TO D1	HDPE	2.0	5.0	
D1 TO D2	HDPE	1.0	200.0	
D2 TO D3	HDPE	1.0	200.0	
D3 TO D4	HDPE	1.0	190.0	
D4 TO D5	HDPE	1.0	183.0	
D5 TO PWR	HDPE	1.0	251.0	
PWR TO E1	HDPE	1.0	92.0	
E1 TO E2	HDPE	1.0	193.0	
E1 TO E3	HDPE	1.0	208.0	
E1 TO E4	HDPE	1.0	175.0	
E1 TO E5	HDPE	1.0	190.0	
E1 TO E6	HDPE	1.0	217.0	
E1 TO E7	HDPE	1.0	74.0	
F1 TO F2	HDPE	1.0	186.0	
F2 TO F3	HDPE	1.0	194.0	
F3 TO F4	HDPE	1.0	168.0	
F4 TO F5	HDPE	1.0	187.0	
F5 TO F6	HDPE	1.0	159.0	
F6 TO PWR	HDPE	1.0	264.0	
PWR TO G1	HDPE	1.0	160.0	
G1 TO G2	HDPE	1.0	178.0	
G2 TO G3	HDPE	1.0	190.0	
G3 TO G4	HDPE	1.0	208.0	
HH8 TO H1	HDPE	2.0	15.0	
H1 TO H2	HDPE	1.0	59.0	
H2 TO H3	HDPE	1.0	59.0	
H3 TO PWR	HDPE	1.0	145.0	
HH1 TO HH2	HDPE	2.0	240.0	
HH2 TO J1	HDPE	2.0	4.0	
J1 TO J2	HDPE	1.0	78.0	
J2 TO J3	HDPE	1.0	158.0	
J3 TO J4	HDPE	1.0	197.0	
J4 TO J5	HDPE	1.0	189.0	
J5 TO J6	HDPE	1.0	218.0	
J6 TO J7	HDPE	1.0	190.0	

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ELECTRICAL DUCTS

Location	Conduit Type	Dia. IN	Length FT	Remarks
J7 TO PWR	HDPE	1.0	300.0	
PWR TO K1	HDPE	1.0	284.0	
K1 TO K2	HDPE	1.0	192.0	
K2 TO K3	HDPE	1.0	203.0	
K3 TO K4	HDPE	1.0	152.0	
K4 TO K5	HDPE	1.0	189.0	
K5 TO HH3	HDPE	2.0	7.0	
HH3 TO HH5	HDPE	2.0	95.0	
HH5 TO L2	HDPE	2.0	14.0	
HH4 TO HH5	HDPE	2.0	103.0	
HH5 TO HH6	HDPE	2.0	160.0	
L1 TO L2	HDPE	1.0	125.0	
L2 TO L3	HDPE	1.0	287.0	
L3 TO L4	HDPE	1.0	207.0	
L4 TO L5	HDPE	1.0	190.0	
L5 TO L6	HDPE	1.0	148.0	
L6 TO PWR	HDPE	1.0	108.0	
PWR TO M1	HDPE	1.0	98.0	
M1 TO M2	HDPE	1.0	196.0	
M2 TO M3	HDPE	1.0	195.0	
M3 TO M4	HDPE	1.0	177.0	
M4 TO M5	HDPE	1.0	216.0	
M5 TO M6	HDPE	1.0	89.0	
N1 TO N2	HDPE	1.0	76.0	
N2 TO N3	HDPE	1.0	99.0	
N3 TO N4	HDPE	1.0	199.0	
N4 TO N5	HDPE	1.0	180.0	
N5 TO N6	HDPE	1.0	173.0	
N6 TO N7	HDPE	1.0	178.0	
N7 TO N8	HDPE	1.0	159.0	
N8 TO PWR	HDPE	1.0	179.0	
PWR TO P1	HDPE	1.0	182.0	
P1 TO P2	HDPE	1.0	179.0	
P2 TO P3	HDPE	1.0	204.0	
HH9 TO Q1	HDPE	2.0	15.0	
Q1 TO Q2	HDPE	1.0	57.0	
Q2 TO Q3	HDPE	1.0	48.0	
Q3 TO Q4	HDPE	1.0	48.0	
Q4 TO PWR	HDPE	1.0	160.0	

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04-16-13

PAVEMENT MARKING LINE TYPES

See PM-110

*BCY4 - Place on the same side of the roadway to match existing markings near the project.
**NPY4 - For estimating purposes only. No Passing Zone Lines will be located in the field.
***MNY4 - Factor of 1.00 as value includes number of 4-inch passes to cover median nose area.

BCY4: Broken Centerline (Yellow) @ 0.25
ELY4: Edge Line Left (Yellow) @ 1.00
DLW8: Dotted Line (White) @ 0.66
DCY4: Double Centerline (Yellow) @ 2.00
CHW8: Channelizing Line (White) @ 2.00
YLW2: Yield Line (White) @ 1.71
NPY4: No Passing Zone Line (Yellow) @ 1.25
CHY8: Channelizing Line (Yellow) @ 2.00
CLW6: Crosswalk Line (White) @ 3.00
BLW4: Broken Lane Line (White) @ 0.25
DLW4: Dotted Line (White) @ 0.33
SLW2: Stop Line (White) @ 6.00
ELW4: Edge Line Right (White) @ 1.00
CBW6: Crosswalk Bar (White) @ 15.00

Location								Length by Line Type (Unfactored)															
Road ID	Station to Station		Dir. of Travel	Marking Type	Side			BCY4*	DCY4	NPY4**	BCW4	ELW4	ELY4	CHW8	CHY8	DLW4	CBW6	DLW8	YLW2	CLW6	SLW2		Remarks
					L	C	R	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	
MAIN ST	1002+96.00	1004+32.82	NB	Waterborne/Solvent Paint			X				1.37												
MAIN ST	1002+96.00	1007+46.62	SB	Waterborne/Solvent Paint	X						4.51												
MAIN ST	1003+91.58	1005+58.94	NB	Waterborne/Solvent Paint			X							1.67									
MAIN ST	1004+33.64	1006+78.64	NB	Waterborne/Solvent Paint			X							2.45									
MAIN ST	1006+78.64	1008+13.87	NB	Waterborne/Solvent Paint			X					1.35											
MAIN ST	1008+13.87	1008+87.61	NB	Waterborne/Solvent Paint			X									0.74							
MAIN ST	1006+20.90	1007+36.37	NB	Waterborne/Solvent Paint			X			1.15													
MAIN ST	1006+20.90	1007+36.37	SB	Waterborne/Solvent Paint	X					1.15													
MAIN ST	1007+36.37	1008+60.10	NB	Waterborne/Solvent Paint			X		1.24														
MAIN ST	1007+36.37	1008+60.10	SB	Waterborne/Solvent Paint	X				1.24														
MAIN ST	1007+40.34	1008+58.61	BOTH	Waterborne/Solvent Paint		X									1.11								
MAIN ST	1007+46.62	1007+96.57	SB	Waterborne/Solvent Paint	X											0.50							
MAIN ST	1007+96.57	1008+57.56	SB	Waterborne/Solvent Paint	X							0.61											
MAIN ST	1008+57.56	1008+82.14	SB	Waterborne/Solvent Paint	X											0.25							
MAIN ST	1008+60.10	1009+46.61	NB	Waterborne/Solvent Paint			X						0.87										
MAIN ST	1008+59.54	1009+46.39	SB	Waterborne/Solvent Paint	X								0.87										
MAIN ST	1009+50.08	1009+52.62	NB	Waterborne/Solvent Paint			X										0.16						
MAIN ST	1009+47.68	1009+52.09	SB	Waterborne/Solvent Paint	X												0.16						
MAIN ST	1009+59.88	1009+81.13	NB	Waterborne/Solvent Paint			X						0.21										
MAIN ST	1009+57.94	1009+74.83	SB	Waterborne/Solvent Paint	X								0.17										
MAIN ST	1009+74.76	1009+85.71	BOTH	Waterborne/Solvent Paint		X						0.44											
MAIN ST	1009+80.77	1009+86.66	NB	Waterborne/Solvent Paint			X											0.31					
MAIN ST	1009+98.27	1010+64.89	BOTH	Waterborne/Solvent Paint		X							2.06										
MAIN ST	1010+82.41	1010+86.32	BOTH	Waterborne/Solvent Paint		X						0.45											
MAIN ST	1010+76.90	10108+83.14	SB	Waterborne/Solvent Paint	X													0.31					
MAIN ST	1010+86.27	1011+03.71	NB	Waterborne/Solvent Paint			X						0.17										
MAIN ST	1010+82.57	1011+04.26	SB	Waterborne/Solvent Paint	X								0.24										
MAIN ST	1011+09.75	1011+12.51	NB	Waterborne/Solvent Paint			X										0.16						
MAIN ST	1011+10.58	1011+14.03	SB	Waterborne/Solvent Paint	X												0.16						
MAIN ST	1011+15.68	1011+48.40	NB	Waterborne/Solvent Paint			X						0.33										
MAIN ST	1011+16.46	1011+47.51	SB	Waterborne/Solvent Paint	X								0.31										
MAIN ST	1011+48.38	1013+90.83	NB	Waterborne/Solvent Paint			X		2.42														
MAIN ST	1011+47.53	1013+90.83	SB	Waterborne/Solvent Paint	X				2.43														
MAIN ST	1011+49.31	1013+88.80	BOTH	Waterborne/Solvent Paint		X									2.24								
MAIN ST	1011+86.52	1012+05.03	NB	Waterborne/Solvent Paint			X									0.19							
MAIN ST	1011+83.04	1012+57.24	SB	Waterborne/Solvent Paint	X											0.74							
MAIN ST	1012+05.05	1016+50.25	NB	Waterborne/Solvent Paint			X					4.45											
MAIN ST	1013+90.83	1016+50.25	NB	Waterborne/Solvent Paint			X			2.59													
MAIN ST	1013+90.83	1016+50.25	SB	Waterborne/Solvent Paint	X					2.59													
MAIN ST	1012+57.24	1016+50.25	SB	Waterborne/Solvent Paint	X							3.93											
MAIN ST	1017+26.29	1020+45.67	NB	Waterborne/Solvent Paint			X					3.19											
MAIN ST	1017+26.29	1020+45.67	NB	Waterborne/Solvent Paint			X			3.19													
MAIN ST	1017+26.29	1020+45.67	SB	Waterborne/Solvent Paint	X					3.19													
MAIN ST	1017+26.29	1020+45.67	SB	Waterborne/Solvent Paint	X							3.19											
MAIN ST	1021+22.67	1023+81.17	NB	Waterborne/Solvent Paint			X					2.59											
MAIN ST	1021+22.67	1023+81.17	NB	Waterborne/Solvent Paint			X			2.59													
MAIN ST	1021+22.67	1023+81.17	SB	Waterborne/Solvent Paint	X					2.59													
MAIN ST	1021+22.67	1023+81.17	SB	Waterborne/Solvent Paint	X							2.59											
MAIN ST	1024+60.09	1030+19.13	NB	Waterborne/Solvent Paint			X					5.59											
MAIN ST	1024+60.09	1030+05.67	NB	Waterborne/Solvent Paint			X			5.46													
MAIN ST	1024+60.09	1030+05.67	SB	Waterborne/Solvent Paint	X					5.46													
MAIN ST	1024+60.09	1030+38.00	SB	Waterborne/Solvent Paint	X							5.78											
MAIN ST	1030+19.13	1030+68.10	NB	Waterborne/Solvent Paint			X									0.49							
MAIN ST	1030+05.67	1030+79.17	NB	Waterborne/Solvent Paint			X			0.74													
MAIN ST	1030+05.34	1030+78.49	SB	Waterborne/Solvent Paint	X					0.73													
MAIN ST	1030+07.04	1030+79.51	BOTH	Waterborne/Solvent Paint		X									0.92								
MAIN ST	1030+38.00	1030+65.52	SB	Waterborne/Solvent Paint	X											0.28							
MAIN ST	1030+79.17	1032+13.92	NB	Waterborne/Solvent Paint		X							1.35										
MAIN ST	1030+78.49	1032+14.02	SB	Waterborne/Solvent Paint	X																		
MAIN ST	1032+17.07	1032+19.88	NB	Waterborne/Solvent Paint		X											0.16						
MAIN ST	1032+16.18	1032+19.65	SB	Waterborne/Solvent Paint	X												0.16						
MAIN ST	1032+27.29	1032+48.44	NB	Waterborne/Solvent Paint		X							0.23										
MAIN ST	1032+25.77	1032+43.48	SB	Waterborne/Solvent Paint	X								0.18										
MAIN ST	1032+43.53	1032+48.48	BOTH	Waterborne/Solvent Paint		X						0.46											
MAIN ST	1032+47.85	1032+55.62	BOTH	Waterborne/Solvent Paint			X											0.31					
MAIN ST	1032+65.98	1033+32.35	BOTH	Waterborne/Solvent Paint		X							2.06										
MAIN ST	1033+49.67	1033+53.75	BOTH	Waterborne/Solvent Paint		X						0.47											
MAIN ST	1033+53.67	1033+71.85	NB	Waterborne/Solvent Paint			X						0.18										
MAIN ST	1033+49.58	1033+70.89	SB	Waterborne/Solvent Paint	X								0.23										
MAIN ST	1033+42.17	1033+50.46	SB	Waterborne/Solvent Paint	X													0.30					
MAIN ST	1033+78.23	1033+81.20	NB	Waterborne/Solvent Paint			X										0.16						
MAIN ST	1033+78.19	1033+81.21	SB	Waterborne/Solvent Paint	X												0.16						

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04-16-13

PAVEMENT MARKING LINE TYPES

See PM-110

*BCY4 - Place on the same side of the roadway to match existing markings near the project.
**NPY4 - For estimating purposes only. No Passing Zone Lines will be located in the field.
***MNY4 - Factor of 1.00 as value includes number of 4-inch passes to cover median nose area.

BCY4: Broken Centerline (Yellow) @ 0.25
ELY4: Edge Line Left (Yellow) @ 1.00
DLW8: Dotted Line (White) @ 0.66
DCY4: Double Centerline (Yellow) @ 2.00
CHW8: Channelizing Line (White) @ 2.00
YLW2: Yield Line (White) @ 1.71
NPY4: No Passing Zone Line (Yellow) @ 1.25
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CLW6: Crosswalk Line (White) @ 3.00
BLW4: Broken Lane Line (White) @ 0.25
DLW4: Dotted Line (White) @ 0.33
SLW2: Stop Line (White) @ 6.00
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Location								Length by Line Type (Unfactored)															
Road ID	Station to Station		Dir. of Travel	Marking Type	Side			BCY4*	DCY4	NPY4**	BCW4	ELW4	ELY4	CHW8	CHY8	DLW4	CBW6	DLW8	YLW2	CLW6	SLW2		Remarks
					L	C	R	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	
MAIN ST	1033+83.77	1034+38.51	NB	Waterborne/Solvent Paint			X						0.55										
MAIN ST	1033+84.09	1034+37.84	SB	Waterborne/Solvent Paint	X								0.54										
MAIN ST	1034+38.51	1035+22.67	NB	Waterborne/Solvent Paint			X		0.84														
MAIN ST	1034+37.84	1035+22.67	SB	Waterborne/Solvent Paint	X				0.85														
MAIN ST	1034+40.71	1035+16.72	BOTH	Waterborne/Solvent Paint		X									0.82								
MAIN ST	1034+83.03	1035+07.55	NB	Waterborne/Solvent Paint			X									0.25							
MAIN ST	1035+07.55	1039+42.08	NB	Waterborne/Solvent Paint			X					4.37											
MAIN ST	1035+22.67	1036+06.03	NB	Waterborne/Solvent Paint			X			0.83													
MAIN ST	1035+22.67	1036+06.03	SB	Waterborne/Solvent Paint	X					0.83													
MAIN ST	1034+85.43	1035+59.63	SB	Waterborne/Solvent Paint	X											0.74							
MAIN ST	1035+59.63	1036+06.03	SB	Waterborne/Solvent Paint	X							0.46											
MAIN ST	1036+76.11	1039+42.08	NB	Waterborne/Solvent Paint			X			2.67													
MAIN ST	1036+76.11	1039+42.08	SB	Waterborne/Solvent Paint	X					2.65													
MAIN ST	1036+76.11	1039+42.08	SB	Waterborne/Solvent Paint	X							2.64											
MAIN ST	1040+14.05	1042+74.65	NB	Waterborne/Solvent Paint			X					2.61											
MAIN ST	1040+14.05	1042+74.65	NB	Waterborne/Solvent Paint			X			2.61													
MAIN ST	1040+14.05	1042+74.65	SB	Waterborne/Solvent Paint	X					2.61													
MAIN ST	1040+14.05	1042+74.65	SB	Waterborne/Solvent Paint	X							2.61											
MAIN ST	1043+46.65	1046+01.69	NB	Waterborne/Solvent Paint			X					2.55											
MAIN ST	1043+46.65	1046+01.69	NB	Waterborne/Solvent Paint			X			2.55													
MAIN ST	1043+46.65	1046+01.69	SB	Waterborne/Solvent Paint	X					2.55													
MAIN ST	1043+46.65	1046+01.69	SB	Waterborne/Solvent Paint	X							2.55											
MAIN ST	1046+77.62	1049+36.51	NB	Waterborne/Solvent Paint			X					2.59											
MAIN ST	1046+77.62	1049+36.51	NB	Waterborne/Solvent Paint			X			2.59													
MAIN ST	1046+77.62	1049+36.51	SB	Waterborne/Solvent Paint	X					2.59													
MAIN ST	1046+77.62	1049+36.51	SB	Waterborne/Solvent Paint	X							2.59											
MAIN ST	1050+08.41	1050+90.57	NB	Waterborne/Solvent Paint			X					0.83											
MAIN ST	1050+90.57	1051+18.07	NB	Waterborne/Solvent Paint			X									0.28							
MAIN ST	1050+08.25	1051+44.62	NB	Waterborne/Solvent Paint		X			1.37														
MAIN ST	1050+08.25	1051+43.88	SB	Waterborne/Solvent Paint	X				1.36														
MAIN ST	1050+08.25	1051+37.49	BOTH	Waterborne/Solvent Paint		X									1.20								
MAIN ST	1050+08.28	1050+72.48	SB	Waterborne/Solvent Paint	X							0.64											
MAIN ST	1050+72.48	1051+00.19	SB	Waterborne/Solvent Paint	X											0.28							
MAIN ST	1051+46.78	1051+98.16	NB	Waterborne/Solvent Paint	X								0.52										
MAIN ST	1051+43.83	1051+98.22	SB	Waterborne/Solvent Paint	X								0.55										
MAIN ST	1052+00.50	1052+04.25	NB	Waterborne/Solvent Paint		X											0.20						
MAIN ST	1052+00.01	1052+03.99	SB	Waterborne/Solvent Paint	X												0.16						
MAIN ST	1052+09.17	1052+33.08	NB	Waterborne/Solvent Paint		X							0.26										
MAIN ST	1052+26.81	1052+32.49	BOTH	Waterborne/Solvent Paint		X						0.46											
MAIN ST	1052+10.12	1052+26.93	SB	Waterborne/Solvent Paint	X								0.17										
MAIN ST	1052+32.05	1052+38.45	NB	Waterborne/Solvent Paint			X											0.31					
MAIN ST	1052+49.45	1053+16.13	BOTH	Waterborne/Solvent Paint		X							2.05										
MAIN ST	1053+33.66	1053+37.89	BOTH	Waterborne/Solvent Paint		X						0.43											
MAIN ST	1053+37.92	1053+53.46	NB	Waterborne/Solvent Paint			X						0.16										
MAIN ST	1053+33.77	1053+55.60	SB	Waterborne/Solvent Paint	X								0.25										
MAIN ST	1053+31.46	1053+33.99	SB	Waterborne/Solvent Paint	X													0.30					
MAIN ST	1053+59.61	1053+61.03	NB	Waterborne/Solvent Paint			X										0.16						
MAIN ST	1053+60.58	1053+65.58	SB	Waterborne/Solvent Paint	X												0.20						
MAIN ST	1053+65.34	1054+15.75	NB	Waterborne/Solvent Paint			X						0.50										
MAIN ST	1053+67.78	1054+15.47	SB	Waterborne/Solvent Paint	X								0.48										
MAIN ST	1054+15.75	1055+15.50	NB	Waterborne/Solvent Paint			X		1.00														
MAIN ST	1054+15.47	1055+15.50	SB	Waterborne/Solvent Paint	X				1.00														
MAIN ST	1054+24.12	1055+18.39	BOTH	Waterborne/Solvent Paint		X									0.95								
MAIN ST	1054+60.98	1055+33.70	SB	Waterborne/Solvent Paint	X											0.73							
MAIN ST	1054+80.05	1055+08.05	NB	Waterborne/Solvent Paint			X									0.28							
MAIN ST	1055+08.05	1056+42.75	NB	Waterborne/Solvent Paint			X					1.35											
MAIN ST	1055+15.50	1056+42.75	NB	Waterborne/Solvent Paint			X			1.27													
MAIN ST	1055+15.50	1056+42.75	SB	Waterborne/Solvent Paint	X					1.27													
MAIN ST	1055+33.70	1056+42.75	SB	Waterborne/Solvent Paint	X							1.09											
MAIN ST	1057+14.75	1059+73.23	NB	Waterborne/Solvent Paint			X					2.58											
MAIN ST	1057+14.75	1059+73.23	NB	Waterborne/Solvent Paint			X			2.58													
MAIN ST	1057+14.75	1059+73.23	SB	Waterborne/Solvent Paint	X					2.58													
MAIN ST	1057+14.75	1059+73.23	SB	Waterborne/Solvent Paint	X							2.58											
MAIN ST	1060+45.27	1063+03.44	NB	Waterborne/Solvent Paint			X					2.58											
MAIN ST	1060+45.27	1063+03.44	NB	Waterborne/Solvent Paint			X			2.58													
MAIN ST	1060+45.27	1063+03.44	SB	Waterborne/Solvent Paint	X					2.58													
MAIN ST	1060+45.27	1063+03.44	SB	Waterborne/Solvent Paint	X							2.58											
MAIN ST	1063+75.44	1064+60.87	NB	Waterborne/Solvent Paint			X					0.85											
MAIN ST	1063+75.44	1064+60.87	NB	Waterborne/Solvent Paint			X			0.85													
MAIN ST	1063+75.44	1064+60.87	SB	Waterborne/Solvent Paint	X					0.85													
MAIN ST	1063+75.44	1064+60.87	SB	Waterborne/Solvent Paint	X							0.85											
MAIN ST	1064+40.87	1064+40.87	NB	Waterborne/Solvent Paint			X												0.17				

PROJECT NO: STBG-SWAP-1185(657)--SG-07
PROJECT DATE: 11/15/2022
CAD DATE: 9/6/2022 11:23:53 AM
CAD FILE: c:\pw_workdir\pw_ielcjcld0595659\21C017.02_C sheets.xlsm
DESIGNED BY: K. WOLLNER
CHECKED BY: C. CARPER
DRAWN BY: K. WOLLNER

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

ESTIMATED QUANTITIES

SHEET NO.
C.34
STBG-SWAP-1185(657)--SG-07

PAVEMENT MARKING LINE TYPES

See PM-110

*BCY4 - Place on the same side of the roadway to match existing markings near the project.
**NPY4 - For estimating purposes only. No Passing Zone Lines will be located in the field.
***MNY4 - Factor of 1.00 as value includes number of 4-inch passes to cover median nose area.

BCY4: Broken Centerline (Yellow) @ 0.25
ELY4: Edge Line Left (Yellow) @ 1.00
DLW8: Dotted Line (White) @ 0.66
DCY4: Double Centerline (Yellow) @ 2.00
CHW8: Channelizing Line (White) @ 2.00
YLW2: Yield Line (White) @ 1.71
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CBW6: Crosswalk Bar (White) @ 15.00

Location								Length by Line Type (Unfactored)															
Road ID	Station to Station		Dir. of Travel	Marking Type	Side			BCY4*	DCY4	NPY4**	BCW4	ELW4	ELY4	CHW8	CHY8	DLW4	CBW6	DLW8	YLW2	CLW6	SLW2		Remarks
					L	C	R	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	
MAIN ST	1064+60.87	1064+60.87	NB	Waterborne/Solvent Paint			X													0.19			
MAIN ST	1064+60.87	1064+60.87	SB	Waterborne/Solvent Paint	X															0.19			
MAIN ST	1064+64.92	1064+64.92	NB	Waterborne/Solvent Paint			X										0.14						
MAIN ST	1064+64.92	1064+64.92	SB	Waterborne/Solvent Paint	X												0.14						
MAIN ST	1064+68.87	1064+68.87	NB	Waterborne/Solvent Paint	X															0.19			
MAIN ST	1064+68.87	1064+68.87	SB	Waterborne/Solvent Paint			X													0.19			
MAIN ST	1064+68.87	1066+37.07	NB	Waterborne/Solvent Paint			X					1.68											
MAIN ST	1064+68.87	1066+37.07	NB	Waterborne/Solvent Paint			X			1.68													
MAIN ST	1064+68.87	1066+37.07	SB	Waterborne/Solvent Paint	X					1.68													
MAIN ST	1064+68.87	1066+37.07	SB	Waterborne/Solvent Paint	X							1.68											
MAIN ST	1064+88.87	1064+88.87	SB	Waterborne/Solvent Paint	X														0.18				
MAIN ST	1067+12.97	1069+67.69	NB	Waterborne/Solvent Paint			X					2.55											
MAIN ST	1067+12.97	1069+67.69	NB	Waterborne/Solvent Paint			X			2.55													
MAIN ST	1067+12.97	1069+67.69	SB	Waterborne/Solvent Paint	X					2.55													
MAIN ST	1067+12.97	1069+67.69	SB	Waterborne/Solvent Paint	X							2.55											
MAIN ST	1070+38.69	1071+19.47	NB	Waterborne/Solvent Paint			X									0.81							
MAIN ST	1070+38.69	1072+17.25	NB	Waterborne/Solvent Paint			X		1.79														
MAIN ST	1070+38.69	1072+17.25	SB	Waterborne/Solvent Paint	X				1.79														
MAIN ST	1070+39.90	1071+91.45	BOTH	Waterborne/Solvent Paint		X									1.13								
MAIN ST	1070+38.69	1071+11.95	SB	Waterborne/Solvent Paint	X											0.73							
MAIN ST	1072+05.35	1072+92.25	NB	Waterborne/Solvent Paint			X							0.87									
MAIN ST	1072+17.25	1072+92.25	BOTH	Waterborne/Solvent Paint		X			0.75														
MAIN ST	1072+17.25	1072+92.25	SB	Waterborne/Solvent Paint	X													0.75					
MAIN ST	1072+92.25	1072+92.25	NB	Waterborne/Solvent Paint			X														0.25		
MAIN ST	1073+67.95	1073+67.95	SB	Waterborne/Solvent Paint	X																0.24		
MAIN ST	1073+68.89	1074+44.62	SB	Waterborne/Solvent Paint	X									0.76									
				Waterborne/Solvent Paint																			
SEERLEY BLVD	241+74.06	242+66.52	EB	Waterborne/Solvent Paint		X			0.92														
SEERLEY BLVD	242+66.52	243+18.37	EB	Waterborne/Solvent Paint	X				0.52														
SEERLEY BLVD	242+66.52	243+17.81	WB	Waterborne/Solvent Paint	X				0.52														
SEERLEY BLVD	242+79.17	243+11.72	BOTH	Waterborne/Solvent Paint	X										0.13								
SEERLEY BLVD	243+18.37	243+31.71	EB	Waterborne/Solvent Paint	X				0.13														
SEERLEY BLVD	243+17.81	243+32.70	WB	Waterborne/Solvent Paint	X				0.15														
SEERLEY BLVD	243+34.53	243+38.14	EB	Waterborne/Solvent Paint		X																	
SEERLEY BLVD	243+34.99	243+38.45	WB	Waterborne/Solvent Paint	X																		
SEERLEY BLVD	243+44.01	243+65.83	EB	Waterborne/Solvent Paint			X						0.24										
SEERLEY BLVD	243+44.40	243+61.02	WB	Waterborne/Solvent Paint	X								0.17										
SEERLEY BLVD	243+60.94	243+65.98	BOTH	Waterborne/Solvent Paint		X						0.42											
SEERLEY BLVD	243+65.19	243+72.15	EB	Waterborne/Solvent Paint			X											0.30					
SEERLEY BLVD	244+67.76	244+74.62	BOTH	Waterborne/Solvent Paint		X						0.41											
SEERLEY BLVD	244+61.65	244+68.44	WB	Waterborne/Solvent Paint	X													0.30					
SEERLEY BLVD	244+67.78	244+89.79	WB	Waterborne/Solvent Paint	X								0.24										
SEERLEY BLVD	244+74.62	244+90.58	EB	Waterborne/Solvent Paint			X						0.16										
SEERLEY BLVD	244+96.91	245+01.15	EB	Waterborne/Solvent Paint			X										0.16						
SEERLEY BLVD	244+96.12	244+98.81	WB	Waterborne/Solvent Paint		X											0.16						
SEERLEY BLVD	245+02.28	245+14.18	EB	Waterborne/Solvent Paint			X						0.12										
SEERLEY BLVD	245+01.89	245+13.46	WB	Waterborne/Solvent Paint			X						0.12										
SEERLEY BLVD	245+14.18	245+89.11	EB	Waterborne/Solvent Paint			X		0.76														
SEERLEY BLVD	245+13.46	245+89.11	WB	Waterborne/Solvent Paint			X		0.76														
SEERLEY BLVD	245+21.20	245+68.84	BOTH	Waterborne/Solvent Paint			X								0.18								
SEERLEY BLVD	245+89.11	247+28.46	BOTH	Waterborne/Solvent Paint		X			1.39														
W 18TH ST	182+00.00	184+81.62	BOTH	Waterborne/Solvent Paint		X			2.81														
W 18TH ST	184+81.62	185+44.93	EB	Waterborne/Solvent Paint			X		0.63														
W 18TH ST	184+81.62	185+44.61	WB	Waterborne/Solvent Paint		X			0.63														
W 18TH ST	185+04.93	185+38.06	BOTH	Waterborne/Solvent Paint		X									0.17								
W 18TH ST	185+44.93	185+60.98	EB	Waterborne/Solvent Paint			X						0.16										
W 18TH ST	185+44.53	185+61.18	WB	Waterborne/Solvent Paint	X								0.17										
W 18TH ST	185+62.01	185+65.95	EB	Waterborne/Solvent Paint			X										0.16						
W 18TH ST	185+64.48	185+67.07	WB	Waterborne/Solvent Paint	X												0.16						
W 18TH ST	185+73.45	185+94.09	EB	Waterborne/Solvent Paint			X						0.23										
W 18TH ST	185+72.96	185+89.16	WB	Waterborne/Solvent Paint	X								0.17										
W 18TH ST	185+89.13	185+94.24	BOTH	Waterborne/Solvent Paint		X						0.43											
W 18TH ST	185+93.71	185+95.12	EB	Waterborne/Solvent Paint			X											0.31					
E 18TH ST	186+96.73	187+02.74	BOTH	Waterborne/Solvent Paint		X						0.43											
E 18TH ST	186+92.75	186+96.89	WB	Waterborne/Solvent Paint	X													0.32					
E 18TH ST	187+02.70	187+19.10	EB	Waterborne/Solvent Paint			X						0.17										
E 18TH ST	186+96.58	187+18.55	WB	Waterborne/Solvent Paint	X								0.24										
E 18TH ST	187+29.05	187+25.28	EB	Waterborne/Solvent Paint			X										0.16						
E 18TH ST	187+27.97	187+25.00	WB	Waterborne/Solvent Paint			X										0.16						
E 18TH ST	187+30.71	187+50.80	EB	Waterborne/Solvent Paint			X						0.20										

PAVEMENT MARKING LINE TYPES

See PM-110

*BCY4 - Place on the same side of the roadway to match existing markings near the project.
**NPY4 - For estimating purposes only. No Passing Zone Lines will be located in the field.
***MNY4 - Factor of 1.00 as value includes number of 4-inch passes to cover median nose area.

BCY4: Broken Centerline (Yellow) @ 0.25
ELY4: Edge Line Left (Yellow) @ 1.00
DLW8: Dotted Line (White) @ 0.66
DCY4: Double Centerline (Yellow) @ 2.00
CHW8: Channelizing Line (White) @ 2.00
YLW2: Yield Line (White) @ 1.71
NPY4: No Passing Zone Line (Yellow) @ 1.25
CHY8: Channelizing Line (Yellow) @ 2.00
CLW6: Crosswalk Line (White) @ 3.00
BLW4: Broken Lane Line (White) @ 0.25
DLW4: Dotted Line (White) @ 0.33
SLW2: Stop Line (White) @ 6.00
ELW4: Edge Line Right (White) @ 1.00
CBW6: Crosswalk Bar (White) @ 15.00

Location								Length by Line Type (Unfactored)															
Road ID	Station to Station		Dir. of Travel	Marking Type	Side			BCY4*	DCY4	NPY4**	BCW4	ELW4	ELY4	CHW8	CHY8	DLW4	CBW6	DLW8	YLW2	CLW6	SLW2		Remarks
					L	C	R	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	
E 18TH ST	187+30.90	187+49.82	WB	Waterborne/Solvent Paint			X						0.19										
E 18TH ST	187+50.80	188+32.39	EB	Waterborne/Solvent Paint			X		0.82														
E 18TH ST	187+49.82	188+32.39	WB	Waterborne/Solvent Paint			X		0.83														
E 18TH ST	187+60.71	188+08.43	BOTH	Waterborne/Solvent Paint			X								0.19								
E 18TH ST	188+32.39	190+26.36	BOTH	Waterborne/Solvent Paint		X			1.94														
E 18TH ST	190+87.00	192+11.52	WB	Waterborne/Solvent Paint		X								1.25									
W 12TH ST	122+03.20	123+00.00	BOTH	Waterborne/Solvent Paint		X			0.97														
W 12TH ST	123+00.00	124+18.66	EB	Waterborne/Solvent Paint			X		1.19														
W 12TH ST	123+00.00	124+18.44	WB	Waterborne/Solvent Paint	X				1.18														
W 12TH ST	123+67.00	124+14.95	BOTH	Waterborne/Solvent Paint		X									0.25								
W 12TH ST	124+18.55	124+31.33	EB	Waterborne/Solvent Paint			X						0.13										
W 12TH ST	124+18.40	124+32.72	WB	Waterborne/Solvent Paint	X								0.14										
W 12TH ST	124+30.85	124+37.07	EB	Waterborne/Solvent Paint			X										0.20						
W 12TH ST	124+36.53	124+38.71	WB	Waterborne/Solvent Paint	X												0.16						
W 12TH ST	124+42.02	124+62.77	EB	Waterborne/Solvent Paint			X						0.25										
W 12TH ST	124+44.74	124+61.71	WB	Waterborne/Solvent Paint	X								0.17										
W 12TH ST	124+61.75	124+63.00	BOTH	Waterborne/Solvent Paint		X						0.45											
W 12TH ST	124+63.00	124+66.04	EB	Waterborne/Solvent Paint			X											0.30					
E 12TH ST	125+59.20	125+65.03	WB	Waterborne/Solvent Paint		X												0.30					
E 12TH ST	125+64.98	125+70.66	BOTH	Waterborne/Solvent Paint			X					0.46											
E 12TH ST	125+64.99	125+88.18	WB	Waterborne/Solvent Paint			X						0.26										
E 12TH ST	125+70.59	125+87.39	EB	Waterborne/Solvent Paint			X						0.17										
E 12TH ST	125+93.59	125+97.15	EB	Waterborne/Solvent Paint			X										0.16						
E 12TH ST	125+93.44	125+97.08	WB	Waterborne/Solvent Paint			X										0.20						
E 12TH ST	125+99.24	126+27.39	EB	Waterborne/Solvent Paint			X						0.28										
E 12TH ST	126+00.30	126+25.94	WB	Waterborne/Solvent Paint			X						0.26										
E 12TH ST	126+27.39	127+82.93	EB	Waterborne/Solvent Paint			X		1.56														
E 12TH ST	126+25.94	127+82.93	WB	Waterborne/Solvent Paint			X		1.57														
E 12TH ST	126+27.14	126+82.82	BOTH	Waterborne/Solvent Paint			X								0.24								
E 12TH ST	127+82.93	130+00.00	BOTH	Waterborne/Solvent Paint		X			2.17														
E 12TH ST	128+92.54	131+56.64	WB	Waterborne/Solvent Paint		X								8.25									
E 6TH ST	61+18.00	61+56.00	EB	Waterborne/Solvent Paint		X								0.38									
E 6TH ST	61+18.00	61+56.00	BOTH	Waterborne/Solvent Paint		X			0.38														
E 6TH ST	61+56.00	61+58.00	EB	Waterborne/Solvent Paint		X															0.28		
W 6TH ST	65+37.97	65+39.97	WB	Waterborne/Solvent Paint		X															0.12		
W 6TH ST	65+38.97	65+60.00	WB	Waterborne/Solvent Paint		X			0.21														
								ACTORED:	40.10	76.96	5.88	85.96	19.70	15.63	9.53	7.26	3.96	4.42	0.35	0.76	0.89		
								ACTORED:	80.21	96.20	1.47	85.96	19.70	31.25	19.06	2.42	59.40	2.92	0.60	2.28	5.34		

108
04-21-15

PAVEMENT MARKING SYMBOLS AND LEGENDS

Refer to PM-111

Road Identification	Location Station	Location Side	STAW	RTAW	LTAW	CSRW	CSLW	CSTW	CRLW	FERW	LLRW	RLRW	RRCW	BLSW	WCSW	WPSB	SCLW	XNGW	STPW	AHDW	ONLW	BIKW	LANW	XITW	EACH	Remarks
MAIN ST	1006+70.83	C			1																					
MAIN ST	1006+87.03	C			1																					
MAIN ST	1012+17.85	R												1												
MAIN ST	1012+30.34	R	1																							
MAIN ST	1012+74.33	L	1																							
MAIN ST	1012+86.80	L												1												
MAIN ST	1014+50.20	C			1																					
MAIN ST	1014+66.40	C			1																					
MAIN ST	1015+84.80	C			1																					
MAIN ST	1016+01.00	C			1																					
MAIN ST	1016+19.05	R												1												
MAIN ST	1016+24.94	L	1																							
MAIN ST	1016+31.66	R	1																							
MAIN ST	1016+37.43	L												1												
MAIN ST	1017+39.11	R												1												
MAIN ST	1017+44.89	L	1																							
MAIN ST	1017+51.60	R	1																							
MAIN ST	1017+57.38	L												1												
MAIN ST	1017+75.97	C			1																					
MAIN ST	1017+92.17	C			1																					
MAIN ST	1019+79.89	C			1																					
MAIN ST	1019+96.09	C			1																					
MAIN ST	1020+14.59	R												1												
MAIN ST	1020+20.36	L	1																							
MAIN ST	1020+27.08	R	1																							
MAIN ST	1020+32.85	L												1												
MAIN ST	1021+35.48	R												1												
MAIN ST	1021+41.26	L	1																							
MAIN ST	1021+47.98	R	1																							
MAIN ST	1021+53.75	L												1												
MAIN ST	1021+71.97	C			1																					
MAIN ST	1021+88.14	C			1																					
MAIN ST	1023+15.42	C			1																					
MAIN ST	1023+31.62	C			1																					
MAIN ST	1023+50.08	R												1												
MAIN ST	1023+55.86	L	1																							
MAIN ST	1023+62.58	R	1																							
MAIN ST	1023+68.35	L												1												
MAIN ST	1024+72.91	R												1												
MAIN ST	1024+78.68	L	1																							
MAIN ST	1024+85.40	R	1																							
MAIN ST	1024+91.17	R												1												
MAIN ST	1025+10.09	C			1																					
MAIN ST	1025+26.29	C			1																					
MAIN ST	1027+11.82	R												1												
MAIN ST	1027+12.04	L	1																							
MAIN ST	1027+24.14	C			1																					
MAIN ST	1027+24.43	R	1																							
MAIN ST	1027+24.54	L												1												
MAIN ST	1027+40.34	C			1																					
MAIN ST	1029+39.26	C			1																					
MAIN ST	1029+55.46	C			1																					
MAIN ST	1029+87.70	R												1												
MAIN ST	1030+00.36	R	1																							
MAIN ST	1030+12.96	L	1																							
MAIN ST	1030+25.24	L												1												
18TH	191+19.44	L		1																						
18TH	191+94.55	L		1																						
MAIN ST	1035+20.38	R												1												
MAIN ST	1035+32.87	R	1																							
MAIN ST	1035+55.47	C			1																					
MAIN ST	1035+71.63	C			1																					
MAIN ST	1035+74.60	L	1																							
MAIN ST	1035+87.07	L												1												
MAIN ST	1036+95.02	L	1																							
MAIN ST	1037+07.70	L												1												
MAIN ST	1037+25.90	C			1																					
MAIN ST	1037+42.13	C			1																					
MAIN ST	1038+76.37	C			1																					
MAIN ST	1038+92.57	C			1																					
MAIN ST	1039+11.00	R												1												
MAIN ST	1039+16.77	L	1																							
MAIN ST	1039+23.49	R	1																							
MAIN ST	1039+29.26	L												1												
MAIN ST	1040+26.91	R												1												
MAIN ST	1040+32.64	L	1																							

PROJECT NO: STBG-SWAP-1185(657)--SG-07	DESIGNED BY: K. WOLLNER		
PROJECT DATE: 11/15/2022	CHECKED BY: C. CARPER		
CAD DATE: 9/6/2022 11:24:03 AM	DRAWN BY: K. WOLLNER		
CAD FILE: c:\pw_workdir\pw_iel\cjcld0595659\21C017.02_C sheets.xlsm			

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

ESTIMATED QUANTITIES

SHEET NO.
C.37
STBG-SWAP-1185(657)--SG-07

108
04-21-15

PAVEMENT MARKING SYMBOLS AND LEGENDS

Refer to PM-111

Road Identification	Location Station	Location Side	STAW	RTAW	LTAW	CSRW	CSLW	CSTW	CRLW	FERW	LLRW	RLRW	RRCW	BLSW	WCSW	WPSB	SCLW	XNGW	STPW	AHDW	ONLW	BIKW	LANW	XITW	EACH	Remarks
MAIN ST	1040+39.40	R	1																							
MAIN ST	1040+45.13	L												1												
MAIN ST	1040+63.88	C			1																					
MAIN ST	1040+80.08	C			1																					
MAIN ST	1042+08.54	C			1																					
MAIN ST	1042+24.73	C			1																					
MAIN ST	1042+43.57	R												1												
MAIN ST	1042+49.34	L	1																							
MAIN ST	1042+56.06	R	1																							
MAIN ST	1042+61.83	L												1												
MAIN ST	1043+59.52	R												1												
MAIN ST	1043+65.24	L	1																							
MAIN ST	1043+72.01	R	1																							
MAIN ST	1043+77.73	L												1												
MAIN ST	1043+96.48	C			1																					
MAIN ST	1044+12.68	C			1																					
MAIN ST	1045+35.81	C			1																					
MAIN ST	1045+52.01	C			1																					
MAIN ST	1045+70.61	R												1												
MAIN ST	1045+76.38	L	1																							
MAIN ST	1045+83.10	R	1																							
MAIN ST	1045+88.87	L												1												
MAIN ST	1046+90.49	R												1												
MAIN ST	1046+96.21	L	1																							
MAIN ST	1047+02.98	R	1																							
MAIN ST	1047+08.70	L												1												
MAIN ST	1047+27.37	C			1																					
MAIN ST	1047+43.57	C			1																					
MAIN ST	1048+71.00	C			1																					
MAIN ST	1048+87.19	C			1																					
MAIN ST	1049+05.43	R												1												
MAIN ST	1049+11.20	L	1																							
MAIN ST	1049+17.92	R	1																							
MAIN ST	1049+23.69	L												1												
MAIN ST	1050+21.45	R												1												
MAIN ST	1050+26.48	L	1																							
MAIN ST	1050+33.85	R	1																							
MAIN ST	1050+38.98	L												1												
12TH ST	129+23.61	L		1																						
12TH ST	130+55.94	L		1																						
MAIN ST	1055+20.92	R												1												
MAIN ST	1055+33.41	R	1																							
MAIN ST	1055+52.30	L	1																							
MAIN ST	1055+77.02	C			1																					
MAIN ST	1055+93.22	C			1																					
MAIN ST	1055+64.99	L												1												
MAIN ST	1056+11.67	R												1												
MAIN ST	1056+17.44	L	1																							
MAIN ST	1056+24.16	R	1																							
MAIN ST	1056+29.93	L												1												
MAIN ST	1057+27.61	R												1												
MAIN ST	1057+33.34	L	1																							
MAIN ST	1057+40.11	R	1																							
MAIN ST	1057+45.83	l												1												
MAIN ST	1057+64.39	C			1																					
MAIN ST	1057+80.59	C			1																					
MAIN ST	1059+07.58	C			1																					
MAIN ST	1059+23.78	C			1																					
MAIN ST	1059+42.15	R												1												
MAIN ST	1059+47.92	L	1																							
MAIN ST	1059+54.64	R	1																							
MAIN ST	1059+60.41	L												1												
MAIN ST	1060+57.94	R												1												
MAIN ST	1060+63.85	L	1																							
MAIN ST	1060+70.62	R	1																							
MAIN ST	1060+76.34	L												1												
MAIN ST	1060+95.33	C			1																					
MAIN ST	1061+11.52	C			1																					
MAIN ST	1062+37.47	C			1																					
MAIN ST	1062+53.66	C			1																					
MAIN ST	1062+72.25	R												1												
MAIN ST	1062+78.13	L	1																							
MAIN ST	1062+83.86	R	1																							
MAIN ST	1062+90.62	L												1												
MAIN ST	1063+88.31	R												1												
MAIN ST	1063+94.03	L	1																							

PROJECT NO: STBG-SWAP-1185(657)--SG-07
PROJECT DATE: 11/15/2022
CAD DATE: 9/6/2022 11:24:06 AM
CAD FILE: c:\pw_workdir\pw_iel\cjcld0595659\21C017.02_C sheets.xlsm

DESIGNED BY: K. WOLLNER
CHECKED BY: C. CARPER
DRAWN BY: K. WOLLNER

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

ESTIMATED QUANTITIES

SHEET NO.
C.38
TBG-SWAP-1185(657)--SG

108
04-21-15

PAVEMENT MARKING SYMBOLS AND LEGENDS

Refer to PM-111

Road Identification	Location Station	Location Side	STAW	RTAW	LTAW	CSRW	CSLW	CSTW	CRLW	FERW	LLRW	RLRW	RRCW	BLSW	WCSW	WPSB	SCLW	XNGW	STPW	AHDW	ONLW	BIKW	LANW	XITW	Groove Cuts EACH	Remarks
MAIN ST	1064+00.80	R	1																							
MAIN ST	1064+06.52	L												1												
MAIN ST	1064+09.79	C			1																					
MAIN ST	1064+25.99	C			1																					
MAIN ST	1065+72.39	C			1																					
MAIN ST	1065+88.58	C			1																					
MAIN ST	1066+05.79	R												1												
MAIN ST	1006+11.75	L	1																							
MAIN ST	1066+18.48	R	1																							
MAIN ST	1066+24.24	L												1												
MAIN ST	1067+25.84	R												1												
MAIN ST	1067+31.56	L	1																							
MAIN ST	1067+38.33	R	1																							
MAIN ST	1067+44.04	L												1												
MAIN ST	1067+62.49	C			1																					
MAIN ST	1067+78.68	C			1																					
MAIN ST	1069+01.74	C			1																					
MAIN ST	1069+17.93	C			1																					
MAIN ST	1069+36.62	R												1												
MAIN ST	1069+42.34	L	1																							
MAIN ST	1069+49.11	R	1																							
MAIN ST	1069+54.83	L												1												
MAIN ST	1072+70.42	R			1																					
MAIN ST	1072+70.42	R				1																				
6TH ST	61+32.16	L		1																						
6TH ST	61+32.16	L					1																			
MAIN ST	1074+03.17	L		1																						
MAIN ST	1074+03.17	L					1																			
	TOTALS		**57**	**6**	**57**	**1**	**2**							**57**												

190-51
10-15-13

MATERIALS FOR TYPE 'A' SIGNS

TYPE A SIGNING TYPICALS	SIGN NUMBER	DIR OF TRAVEL	SIGN LOCATION STATION	WOOD POSTS NO. OF POSTS	WOOD POSTS 4 x 6 LEG 1 FT	WOOD POSTS 4 x 6 LEG 2 FT	PERFORATED SQUARE STEEL TUBE LEG 1 FT	LEG 2 FT	LEG 3 FT	ANCHOR CONC	ANCHOR SOIL	ANCHOR SLIPBASE	Steel Rect. Tube NO. OF POSTS	POST LENGTH FT	ANCHORS EACH	TYPE A SIGN MOUNTING BRACKETS ONE POST BRACKET	TWO POST	AUXILIARY	H	F	F1	INSTALLATION TYPE	DIM 'X' FT	SEE SIGNING NOTES	REMARKS
	R4-7	SB	1005+54.30				10			X															PM.1
	W2-6	NB	100744.05				10				X														PM.2
	SPECIAL	NB	100744.05																					SEERLEY BLVD	PM.2
	OM1-2	NB	100863.13				10			X															PM.2
	W11-2	NB	100938.09				10			X															PM.2
	W16-7P	NB	100938.09																						PM.2
	R1-2	NB	100972.82				10			X															PM.2
	R1-2	SB	101089.03				10			X															PM.2
	W11-2	NB	101104.6				10				X														PM.2
	W16-7P	NB	101104.6																						PM.2
	W11-2	SB	101125				10				X														PM.2
	W16-7P	SB	101125																						PM.2
	OM1-2	SB	101144.98				10			X															PM.2
	W2-6	SB	101371.63				10				X														PM.2
	SPECIAL	SB	101371.63																					SEERLEY BLVD	PM.2
	R8-3	NB	101400				10				X														PM.2
	R8-3	SB	101434.21				10				X														PM.2
	R1-1	EB	101672.15				10				X														PM.2
	R1-1	WB	101711.81				10				X														PM.2
	SPECIAL	WB	101711.81																					MAIN ST	PM.2
	SPECIAL	EB	101711.81																					MAIN ST	PM.2
	SPECIAL	NB	101711.81																					W 22 ST E	PM.2
	SPECIAL	SB	101711.81																					E 22 ST W	PM.2
	R8-3	NB	101816.7				10				X														PM.3
	R8-3	SB	101877.74				10				X														PM.3
	R2-1	NB	102003.69				10				X													35 MPH	PM.3
	R1-1	EB	102067.98				10				X														PM.3
	R1-1	WB	102108.38				10				X														PM.3
	SPECIAL	WB	102108.38																					MAIN ST	PM.3
	SPECIAL	EB	102108.38																					MAIN ST	PM.3
	SPECIAL	NB	102108.38																					W 21 ST E	PM.3
	SPECIAL	SB	102108.38																					E 21 ST W	PM.3
	R8-3	SB	102253.74				10				X														PM.3

MATERIALS FOR TYPE 'A' SIGNS

TYPE A SIGNING TYPICALS	SIGN NUMBER	DIR OF TRAVEL	SIGN LOCATION	WOOD POSTS			PERFORATED SQUARE STEEL TUBE						Steel Rect. Tube			TYPE A SIGN MOUNTING BRACKETS						INSTALLATION			REMARKS
				NO. OF POSTS	4 x 6								NO. OF POSTS	POST LENGTH	ANCHORS	ONE POST BRACKET	TWO POST	AUXILIARY	H	F	F1	TYPE	DIM 'X' FT	SEE SIGNING NOTES	
			STATION		LEG 1	LEG 2	LEG 1	LEG 2	LEG 3	ANCHOR															
					FT	FT	FT	FT	FT	CONC	SOIL	SLIPBASE		FT	EACH										
	R1-1	EB	102394.28				10				X														PM.3
	SPECIAL	WB	102437.68				10				X													MAIN ST	PM.3
	SPECIAL	EB	102437.68																					MAIN ST	PM.3
	SPECIAL	NB	102437.68																					W 20 ST E	PM.3
	SPECIAL	SB	102437.68																					E 20 ST W	PM.3
	W11-8	NB	102733.08				10				X														PM.3
	R8-3	NB	102874.64				10				X														PM.3
	R2-1	SB	102943.47				10				X													35 MPH	PM.3
	W2-6	NB	103003.9				10				X														PM.4
	SPECIAL	NB	103003.9																					18TH ST	PM.4
	OM1-2	NB	103082.49				10			X															PM.4
	W11-2	NB	103206.39				10				X														PM.4
	W16-7P	NB	103206.39																						PM.4
	W11-2	SB	103224.44				10				X														PM.4
	W16-7P	SB	103224.44																						PM.4
	R1-2	NB	103240.2				10				X														PM.4
	R1-2	SB	103352.71				10				X														PM.4
	W11-2	NB	103372.32				10			X															PM.4
	W16-7P	NB	103372.32																						PM.4
	W11-2	SB	103391.1				10				X														PM.4
	W16-7P	SB	103391.1																						PM.4
	OM1-2	SB	103434.45				10			X															PM.4
	W2-6	SB	103549.1				10				X														PM.4
	SPECIAL	SB	103549.1																					18TH ST	PM.4
	R1-1	EB	103620.22				10				X														PM.4
	SPECIAL	WB	103620.22																					MAIN ST	PM.4
	SPECIAL	EB	103620.22																					MAIN ST	PM.4
	SPECIAL	NB	103620.22																					W 17 ST	PM.4
	SPECIAL	SB	103620.22																					W 17 ST	PM.4
	R8-3	NB	103710.76				10				X														PM.4
	R8-3	SB	103800				10				X														PM.4
	W11-8	SB	103880.67				10				X														PM.4
	R1-1	EB	103960.67				10				X														PM.4
	R1-1	WB	104000				10				X														PM.4
	SPECIAL	WB	104000																					MAIN ST	PM.4
	SPECIAL	EB	104000																					MAIN ST	PM.4
	SPECIAL	NB	104000																					W 16 ST E	PM.4
	SPECIAL	SB	104000																					E 16 ST W	PM.4
	R8-3	NB	104149.03																						PM.4
	R1-1	EB	104290.42				10				X														PM.5
	R1-1	WB	104330.92				10				X														PM.5
	SPECIAL	WB	104330.92																					MAIN ST	PM.5
	SPECIAL	EB	104330.92																					MAIN ST	PM.5
	SPECIAL	NB	104330.92																					W 15 ST E	PM.5
	SPECIAL	SB	104330.92																					E 15 ST W	PM.5
	R8-3	SB	104466.96																						PM.5
	R1-1	EB	104623.28				10				X														PM.5
	R1-1	WB	104661.12				10				X														PM.5
	SPECIAL	WB	104661.12																					MAIN ST	PM.5
	SPECIAL	EB	104661.12																					MAIN ST	PM.5
	SPECIAL	NB	104661.12																					W 14 ST E	PM.5
	SPECIAL	SB	104661.12																					E 14 ST W	PM.5
	R8-3	SB	104764.21				10				X														PM.5
	R2-1	SB	104893.68				10				X													35 MPH	PM.5
	R2-1	NB	104927.51				10				X													25 MPH	PM.5
	R1-1	EB	104953.15				10				X														PM.5
	R1-1	WB	104993.53				10				X														PM.5
	SPECIAL	WB	104993.53																					MAIN ST	PM.5
	SPECIAL	EB	104993.53																					MAIN ST	PM.5
	SPECIAL	NB	104993.53																					W 13 ST E	PM.5
	SPECIAL	SB	104993.53																					E 13 ST W	PM.5
	W2-6	NB	105009.36				10				X														PM.5
	SPECIAL	NB	105009.36																					12TH ST	PM.5
	OM1-2	NB	105146.85				10			X															PM.5
	W11-2	NB	105188.68				10				X														PM.5
	W16-7P	NB	105188.68																						PM.5
	W11-2	SB	105209.39				10			X															PM.5
	W16-7P	SB	105209.39																						PM.5
	R1-2	NB	105226.43				10				X														PM.5
	W11-2	EB	105241.68																						PM.5
	W16-7P	EB	105241.68																						PM.5
	R1-2	NB	105312.58				10				X														PM.5
	R1-2	SB	105341.58				10				X														PM.5
	W11-2	NB	105349.6				10			X															PM.6
	W16-7P	NB	105349.6																						PM.6
	W11-2	SB	105376.34				10				X														PM.6

MATERIALS FOR TYPE 'A' SIGNS

TYPE A SIGNING TYPICALS	SIGN NUMBER	DIR OF TRAVEL	SIGN LOCATION	WOOD POSTS			PERFORATED SQUARE STEEL TUBE						Steel Rect. Tube			TYPE A SIGN MOUNTING BRACKETS						INSTALLATION			REMARKS
				NO. OF POSTS	4 x 6								NO. OF POSTS	POST LENGTH	ANCHORS	ONE POST BRACKET	TWO POST	AUXILIARY	H	F	F1	TYPE	DIM 'X' FT	SEE SIGNING NOTES	
			STATION		LEG 1	LEG 2	LEG 1	LEG 2	LEG 3	ANCHOR															
					FT	FT	FT	FT	FT	CONC	SOIL	SLIPBASE		FT	EACH										
	W16-7P	SB	105376.34																						PM.6
	OM1-2	SB	105412.59				10			X															PM.6
	D9-2	NB	105416.53				10				X														PM.6
	M6-3	NB	105416.53																						PM.6
	R2-1	NB	105513.85				10				X													25 MPH	PM.6
	R8-3	NB	105513.85																						PM.6
	SPECIAL	NB	105513.85																					EXCEPT SUND/	PM.6
	R8-3	SB	105541.98				10				X														PM.6
	SPECIAL	SB	105541.98																					EXCEPT SUND/	PM.6
	R1-1	EB	105655.8				10				X														PM.6
	R1-1	WB	105696.48				10				X														PM.6
	SPECIAL	WB	105696.48																					MAIN ST	PM.6
	SPECIAL	EB	105696.48																					MAIN ST	PM.6
	SPECIAL	NB	105696.48																					W 11 ST E	PM.6
	SPECIAL	SB	105696.48																					E 11 ST W	PM.6
	R8-3	NB	105877.87				10				X														PM.6
	SPECIAL	NB	105877.87																					EXCEPT SUND/	PM.6
	R8-3	SB	105880.38				10				X														PM.6
	SPECIAL	SB	105880.38																					EXCEPT SUND/	PM.6
	R1-1	EB	105986.75				10				X														PM.6
	R1-1	WB	106026.66				10				X														PM.6
	SPECIAL	WB	106026.66																					MAIN ST	PM.6
	SPECIAL	EB	106026.66																					MAIN ST	PM.6
	SPECIAL	NB	106026.66																					W 10 ST E	PM.6
	SPECIAL	SB	106026.66																					E 10 ST W	PM.6
	R8-3	NB	106158.76				10				X														PM.6
	SPECIAL	NB	106158.76																					EXCEPT SUND/	PM.6
	R8-3	SB	106215.87				10				X														PM.6
	SPECIAL	SB	106215.87																					EXCEPT SUND/	PM.6
	RS-054	NB	106295.34																						PM.6
	R1-1	EB	106316.74				10				X														PM.6
	R1-1	WB	106361.57				10				X														PM.6
	SPECIAL	WB	106361.57																					MAIN ST	PM.6
	SPECIAL	EB	106361.57																					MAIN ST	PM.6
	SPECIAL	NB	106361.57																					W 9 ST E	PM.6
	SPECIAL	SB	106361.57																					E 9 ST W	PM.6
	S1-1	NB	106445.94				10				X														PM.6
	W16-7P	NB	106445.94																						PM.6
	S1-1	SB	106484.53				10				X														PM.6
	W16-7P	SB	106484.53																						PM.6
	R8-3	NB	106542.29				10				X														PM.6
	R8-3	SB	106567.2				10				X														PM.6
	R1-1	EB	106650.05				10				X														PM.7
	R1-1	WB	106699.54				10				X														PM.7
	SPECIAL	WB	106699.54																					MAIN ST	PM.7
	SPECIAL	EB	106699.54																					MAIN ST	PM.7
	SPECIAL	NB	106699.54																					W 8 ST E	PM.7
	SPECIAL	SB	106699.54																					E 8 ST W	PM.7
	S1-1	SB	106784.59				10				X														PM.7
	W16-9P	SB	106784.59																						PM.7
	SPECIAL	SB	106791.97				10				X													ENTER ONLY	PM.7
	SPECIAL	SB	106816.89				10				X													SAINT	PM.7
	R8-3	NB	106818.67				10				X														PM.7
	SPECIAL	NB	106818.67																					EXCEPT SUND/	PM.7
	R2-1	SB	106879.35				10				X													25 MPH	PM.7
	R8-3	SB	106879.35																						PM.7
	SPECIAL	SB	106879.35																					EXCEPT SUND/	PM.7
	R1-1	EB	106980.35				10				X														PM.7
	R1-1	WB	107024.04				10				X														PM.7
	SPECIAL	WB	107024.04																					MAIN ST	PM.7
	SPECIAL	EB	107024.04																					MAIN ST	PM.7
	SPECIAL	NB	107024.04																					W 7 ST E	PM.7
	SPECIAL	SB	107024.04																					E 7 ST W	PM.7
	R8-3	NB	107095.66				10				X														PM.7
	D9-2	NB	107216.57				10			X															PM.7
	M6-1	NB	107216.57																						PM.7
	W11-1	WB	24228.86				10				X														PM.8
	W16-1P	WB	24228.86																						PM.8
	W2-6	EB	24230.08				10				X														PM.8
	SPECIAL	EB	24230.08																					MAIN ST	PM.8
	R2-1	WB	24272.06				10				X													25 MPH	PM.8
	R8-3	WB	24272.06																						PM.8
	OM1-2	EB	24320.75				10			X															PM.8
	W11-2	EB	24325				10				X														PM.8
	W16-7P	EB	24325																						PM.8
	W11-2	WB	24343.68				10			X															PM.8

MATERIALS FOR TYPE 'A' SIGNS

TYPE A SIGNING TYPICALS	SIGN NUMBER	DIR OF TRAVEL	SIGN LOCATION	WOOD POSTS			PERFORATED SQUARE STEEL TUBE						Steel Rect. Tube			TYPE A SIGN MOUNTING BRACKETS						INSTALLATION			REMARKS
				NO. OF POSTS	4 x 6								NO. OF POSTS	POST LENGTH	ANCHORS	ONE POST BRACKET	TWO POST	AUXILIARY	H	F	F1	TYPE	DIM 'X' FT	SEE SIGNING NOTES	
			STATION		LEG 1	LEG 2	LEG 1	LEG 2	LEG 3	ANCHOR															
					FT	FT	FT	FT	FT	CONC	SOIL	SLIPBASE		FT	EACH										
	W16-7P	WB	24343.68																						PM.8
	R1-2	EB	24354.12				10			X															PM.8
	R1-2	WB	24470.74				10				X														PM.8
	W11-2	EB	24492.82				10			X															PM.8
	W16-7P	EB	24492.82																						PM.8
	W11-2	WB	24508.62				10				X														PM.8
	W16-7P	WB	24508.62																						PM.8
	W11-1	EB	24525.02				10				X														PM.8
	W16-1P	EB	24525.02																						PM.8
	R2-1	EB	24547.87				10				X													25 MPH	PM.8
	R8-3	EB	24547.87																						PM.8
	R8-3	WB	24587.11				10				X														PM.8
	D11-1	WB	24587.11																						PM.8
	M6-3	WB	24587.11																						PM.8
	W2-6	WB	24615.09				10				X														PM.8
	SPECIAL	WB	24615.09																					MAIN ST	PM.8
	R1-1	SB	18328.06				10				X														PM.9
	R3-5R	SB	18328.06																						PM.9
	R5-1	NB	18328.06																						PM.9
	W11-8	EB	18331.34				10				X														PM.9
	W1-7	SB	18347.38				10				X														PM.9
	R1-1	SB	18368.77				10				X														PM.9
	SPECIAL	WB	18368.77																					WASHINGTON S	PM.9
	SPECIAL	EB	18368.77																					WASHINGTON S	PM.9
	SPECIAL	NB	18368.77																					W 18TH ST	PM.9
	SPECIAL	SB	18368.77																					W 18TH ST	PM.9
	R5-1	NB	18368.77																						PM.9
	W2-6	EB	18434.72				10				X														PM.9
	SPECIAL	EB	18434.72																					MAIN ST	PM.9
	R8-3	WB	18454.77				10				X														PM.9
	R2-1	WB	18509.68				10				X														PM.9
	OM1-2	EB	18547.42				10			X															PM.9
	W11-2	EB	18551.89				10				X														PM.9
	W16-7P	EB	18551.89																						PM.9
	W11-2	WB	18572.77				10				X														PM.9
	W16-7P	WB	18572.77																						PM.9
	R1-2	EB	18585.27				10				X														PM.9
	R1-2	WB	18698.88				10			X															PM.9
	W11-2	EB	18721.65				10				X														PM.9
	W16-7P	EB	18721.65																					`	PM.9
	W11-2	WB	18737.55				10			X															PM.9
	W16-7P	WB	18737.55																						PM.9
	OM1-2	WB	18747.83				10			X															PM.9
	R8-3	EB	18845.51																						PM.9
	D9-2	WB	18848.21				10				X														PM.9
	M6-1	WB	18848.21																						PM.9
	W2-6	EB	18883.87				10				X														PM.9
	SPECIAL	EB	18883.87																					MAIN ST	PM.9
	R1-1	SB	19032.05				10				X														PM.9
	SPECIAL	NB	19032.05																					E 18TH ST	PM.9
	SPECIAL	SB	19032.05																					W 18TH ST	PM.9
	SPECIAL	EB	19032.05																					STATE ST	PM.9
	SPECIAL	WB	19032.05																					STATE ST	PM.9
	R3-8	WB	192+12.90				10				X														PM.9
	R2-1	WB	12260.23				10				X														PM.10
	R8-3	WB	12260.23																						PM.10
	R8-3	EB	12268.43				10				X														PM.10
	R8-3	WB	12406.33																						PM.10
	W11-2	EB	12419.4				10				X														PM.10
	W16-7P	EB	12419.4																						PM.10
	OM1-2	EB	12421.17				10			X															PM.10
	W11-2	WB	12445.97				10				X														PM.10
	W16-7P	WB	12445.97																						PM.10
	R1-2	EB	12453.57				10				X														PM.10
	W11-2	WB	12606.9				10				X														PM.10
	W16-7P	WB	12606.9																						PM.10
	OM1-2	WB	12624.12				10			X															PM.10
	R2-1	EB	12675.54				10				X													35 MPH	PM.10
	R8-3	EB	12675.54																						PM.10
	W2-6	WB	12741.61				10				X														PM.10
	SPECIAL	WB	12741.61																					MAIN ST	PM.10
	R1-1	SB	12847.51				10				X														PM.10
	SPECIAL	NB	12847.51																					WATERLOO RD	PM.10
	SPECIAL	SB	12847.51																					WATERLOO RD	PM.10
	SPECIAL	EB	12847.51																					STATE ST	PM.10
	SPECIAL	WB	12847.51																					STATE ST	PM.10

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MATERIALS FOR TYPE 'A' SIGNS

TYPE A SIGNING TYPICALS	SIGN NUMBER	DIR OF TRAVEL	SIGN LOCATION	WOOD POSTS			PERFORATED SQUARE STEEL TUBE						Steel Rect. Tube			TYPE A SIGN MOUNTING BRACKETS						INSTALLATION			REMARKS
				NO. OF POSTS	4 x 6								NO. OF POSTS	POST LENGTH	ANCHORS	ONE POST BRACKET	TWO POST	AUXILIARY	H	F	F1	TYPE	DIM 'X' FT	SEE SIGNING NOTES	
			STATION		LEG 1	LEG 2	LEG 1	LEG 2	LEG 3	ANCHOR															
					FT	FT	FT	FT	FT	CONC	SOIL	SLIPBASE		FT	EACH										
	R3-8	WB	131+54.50				10				X														PM.10
					TOTALS:		**1320**			**24**	**109**														

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SUMMARY OF TYPE 'A' SIGNS

Sign Number	Quantity	Size	Total Sign Area
	EACH	IN	SF
D11-1	1	24 X 18	3.0
D9-2	3	18 X 18	6.8
M6-1	2	24 X 12	4.0
M6-3	2	21 X 15	4.4
OM1-2	11	18 X 18	24.8
R1-1	28	30 X 30	175.0
R1-2	12	48 X 48 X 48	192.0
R2-1	11	24 X 30	55.0
R3-5R	1	24 X 30	5.0
R3-8	2	30 X 30	12.5
R4-7	1	24 X 30	5.0
R5-1	2	30 X 30	12.5
R8-3	31	24 X 30	155.0
RS-054	1	18 X 18	2.3
S1-1	3	36 X 36	27.0
W1-7	1	48 X 24	8.0
W2-6	10	30 X 30	62.5
W11-1	2	30 X 30	12.5
W11-2	23	30 X 30	143.8
W11-8	3	30 X 30	18.8
W16-1P	2	18 X 24	6.0
W16-7P	25	24 X 12	50.0
W16-9P	1	24 X 12	2.0
12TH ST	1	30 X 9	1.9
18TH ST	2	30 X 9	3.8
E 7TH ST W	1	30 X 9	1.9
E 8TH ST W	1	30 X 9	1.9
E 9TH ST W	1	30 X 9	1.9
E 10TH ST W	1	36 X 9	2.3
E 11TH ST W	1	36 X 9	2.3
E 13TH ST W	1	36 X 9	2.3
E 14TH ST W	1	36 X 9	2.3
E 15TH ST W	1	36 X 9	2.3
E 16TH ST W	1	36 X 9	2.3
E 17TH ST W	1	36 X 9	2.3
E 18TH ST	1	36 X 9	2.3
E 20TH ST W	1	36 X 9	2.3
E 21TH ST W	1	36 X 9	2.3
E 22TH ST W	1	36 X 9	2.3
ENTER ONLY	1	18 X 18	3.0
EXCEPT SUNDAYS	8	24 X 18	24.0
MAIN ST	31	30 X 9	58.1
SAINT PATRICK CHURCH	1	18 X 18	3.0
SEERLEY BLVD	2	48 X 9	6.0
STATE ST	4	42 X 9	10.5
W 7TH ST E	1	30 X 9	1.9
W 8TH ST E	1	30 X 9	1.9
W 9TH ST E	1	30 X 9	1.9
W 10TH ST E	1	36 X 9	2.3
W 11TH ST E	1	36 X 9	2.3
W 13TH ST E	1	36 X 9	2.3
W 14TH ST E	1	36 X 9	2.3
W 15TH ST E	1	36 X 9	2.3
W 16TH ST E	1	36 X 9	2.3
W 17TH ST E	1	36 X 9	2.3

190-66
10-21-14

SUMMARY OF TYPE 'A' SIGNS

Sign Number	Quantity	Size	Total Sign Area
	EACH	IN	SF
W 18TH ST	3	36 X 9	6.8
W 20TH ST E	1	36 X 9	2.3
W 21TH ST E	1	36 X 9	2.3
W 22TH ST E	1	36 X 9	2.3
WASHINGTON ST	2	54 X 9	6.8
WATERLOO RD	2	42 X 9	5.3
		TOTAL:	**1175.1**

8000-01
01-01-16

TABULATION OF EXISTING SIGNS TO BE REMOVED OR REMOVED AND REPLACED

Road Identification	Begin Station	Direction of Travel	Sign # or Description	Removal Quantity (EA.)	See Signing Notes	Remarks
MAIN ST	005+50.77	NB/SB	NO U TURN/ISLAND	2		I.1 11
SEERLEY BLVD	010+09.27	EB	BIKE/SHARE ROAD	2		I.2 32
SEERLEY BLVD	009+94.40	EB	SPEED/ NO PARKING	2		I.2 35
SEERLEY BLVD	010+45.07	WB	NO PARKING	1		I.2 36
SEERLEY BLVD	010+45.07	WB	BIKE ROUTE/ARROW	2		I.2 36
SEERLEY BLVD	010+53.88	WB	BIKE/SHARE ROAD	2		I.2 47
SEERLEY BLVD	010+55.62	WB	SPEED/ NO PARKING	2		I.2 49
MAIN ST	010+85.77	SB	HEARST ART CENTER	1		I.3 2- REMOVE AND REINSTALL
MAIN ST	014+01.32	NB	NO PARKING	1		I.3 27
MAIN ST	014+32.90	SB	NO PARKING	1		I.3 31
22ND ST	016+71.87	EB	STOP	1		I.3 52
22ND ST	017+19.18	WB	STOP	1		I.3 56
MAIN ST	020+05.12	NB	SPEED LIMIT	1		I.4 8
MAIN ST	020+54.67	SB	STATE FARM	1		I.4 13-REMOVE AND RELOCATE
21 ST	021+08.52	WB	STOP	1		I.4 16
21 ST	022+52.32	EB	NO PARKING	1		I.4 28
21 ST	022+61.12	WB	NO PARKING	1		I.4 30
20TH ST	023+96.50	EB	STOP	1		I.5 1
MAIN ST	027+34.52	NB	FIRE STATION	1		I.5 40
MAIN ST	028+75.81	NB	NO PARKING	1		I.5 47
MAIN ST	028+99.97		COMING SOON	1		I.5 49- RELOCATE SIGN
MAIN ST	029+42.76	SB	SPEED LIMIT	1		I.5 52
MAIN ST	032+48.90	SB	OBJECT MARKER	1		I.6 12
18TH ST	032+54.87	EB	RIGHT LANE MUST	1		I.6 31
18TH ST	032+98.63	NB	ISLAND	1		I.6 33
MAIN ST	033+55.65	NB	OBJECT MARKER	1		I.6 43
17TH ST	036+20.95	EB	STOP	1		I.7 5
MAIN ST	037+98.57	SB	NO PARKING	1		I.7 15
MAIN ST	038+79.42	SB	FIRE STATION	1		I.7 19
16TH ST	039+62.96	EB	STOP	1		I.7 24
MAIN ST	037+12.19	NB	NO PARKING	1		I.7 27
MAIN ST	038+68.21	SB	ISLAND	1		I.7 39
16TH ST	039+95.05	WB	STOP	1		I.7 47
MAIN ST	041+50.22	NB	RECYCLING/NO PARK	2		I.7 58
15TH ST	042+91.68	EB	STOP	1		I.8 6
15TH ST	043+08.48	WB	STOP	1		I.8 23
MAIN ST	044+65.64	SB	RECYCLING/NO PARK	2		I.8 39
14TH ST	046+59.70	WB	STOP	1		I.8 51
13TH ST	049+53.13	EB	STOP	1		I.9 11
13TH ST	049+93.56	WB	STOP	1		I.9 15
12TH ST	052+83.27	EB	NO PARKING	1		I.9 53
12TH ST	053+21.97	WB	NO PARK/LICENCED	2		I.9 54
12TH ST	053+25.34	WB	HISTORIC DOWNTOWN	1		I.9 74
11TH ST	056+59.44	EB	STOP	1		I.20 14
11TH ST	056+93.50	WB	STOP	1		I.20 30
10TH ST	059+88.97	EB	STOP	1		I.21 5
9TH ST	063+20.43	EB	STOP	1		I.21 27
10TH ST	060+25.04	WB	STOP	1		I.21 28
9TH ST	063+60.15	WB	STOP	1		I.21 45
9TH ST	063+63.46	WB	STOP	1		I.21 46
8TH ST	066+50.04	EB	STOP	1		I.22 8
MAIN ST	066+54.39	NB	FIRST UNITED	1		I.22 13
7TH ST	069+82.09	EB	STOP	1		I.22 32
8TH ST	066+98.00	WB	STOP	1		I.22 33
7TH ST	070+96.67	WB	STOP	1		I.22 46
MAIN ST	070+39.88	NB/SB	KNUTSON	1		I.22 47 - RELOCATE SIGN
MAIN ST	070+96.97	NB	NO PARK/EXCEPT	2		I.22 48
MAIN ST	072+17.88	NB	HOSPITAL	1		I.23 16
18TH ST	183+47.38	SB	DOUBLE ARROW	1		I.25 5
WASHINGTON ST	183+68.82	SB	STOP/STREETS	4		I.25 9
WASHINGTON ST	183+68.82	NB	DO NOT ENTER	1		I.25 9
18TH ST	183+82.71	EB	NO LEFT TURN	1		I.25 10
18TH ST	184+54.19	WB	MERGE/NO PARKING	2		I.25 12
18TH ST	185+08.91	WB	SPEED/LICENCED	2		I.25 15
18TH ST	188+61.39	EB	RECYCLING/NO PARK	2		I.26 3
18TH ST	188+82.58	WB	STOP HERE ON RED	1		I.26 5
12TH ST	122+59.00	WB	SPEED/NO PARKING	2		I.27 3
12TH ST	122+69.74	EB	NO PARKING	1		I.27 5
12TH ST	126+71.75	EB	SPEED/NO PARK/VET	3		I.18 1
12TH ST	128+25.23	WB	ISLAND/LEFT LANE	2		I.18 3
			TOTAL:	**87**		**REMOVE**
				3		**REMOVE AND REINSTALL**

190
10-15-13

EXISTING SIGNS TO BE REINSTALLED

SIGN DESCRIPTION	DIRECTION OF TRAVEL	LOCATION STATION	NUMBER OF POSTS	SQUARE TUBE STEEL POSTS	WOOD POSTS		INSTALLATION		SEE SIGNING NOTES
					4" x 4" LF	4" x 6" LF	TYPE	DIM 'X'	
HEARST ART CENTER	SB	1010+85.77	1.0	1.0					
STATE FARM	SB	1020+54.67							
COMING SOON	EB	1028+99.97	2.0		20.0				
RECYCLING CENTER	NB	1041+49.00	1.0	1.0					
RECYCLING CENTER	SB	1044+67.00	1.0	1.0					
WASHINGTON PARK	NB	1062+95.00	1.0	1.0					
OUR REDEEMER LUTHERAN	NB	1063+64.00	1.0	1.0					
FIRST UNTIED METHODIST	NB	1066+53.00	1.0	1.0					
KNUTSON	NB/SB	1070+39.88							
LICENCED VEHICLES OVER	WB	185+09.7	1.0	1.0					
RECYCLING CENTER	EB	188+45.5	1.0	1.0					
LICENCED VEHICLES OVER	WB	124+06.00	1.0	1.0					
HISTORIC DOWNTOWN	WB	126+30.00	1.0	1.0					
	TOTAL:	**+13.0**		**10.0**	**20.0**				

TEMPORARY PAVEMENT MARKING LINE TYPES

See PM-110

*BCY4 - Place on the same side of the roadway to match existing markings near the project.
**NPY4 - For estimating purposes only. No Passing Zone Lines will be located in the field.
***MNY4 - Factor of 1.00 as value includes number of 4-inch passes to cover median nose area.

BCY4: Broken Centerline (Yellow) @ 0.25
ELY4: Edge Line Left (Yellow) @ 1.00
SLW4: Solid Lane Line (White) @ 1.00
DCY4: Double Centerline (Yellow) @ 2.00
CHW8: Channelizing Line (White) @ 2.00
YLW2: Yield Line (White) @ 1.71
NPY4: No Passing Zone Line (Yellow) @ 1.25
CHY8: Channelizing Line (Yellow) @ 2.00
BLW4: Broken Lane Line (White) @ 0.25
DLW4: Dotted Line (White) @ 0.33
ELW4: Edge Line Right (White) @ 1.00
SLW2: Stop Line (White) @ 6.00

Location								Length by Line Type (Unfactored)																
Road ID	Station to Station		Dir. of Travel	Marking Type	Side			BCY4*	DCY4	NPY4**	BLW4	ELW4	ELY4	CHW8	CHY8	DLW4	SLW2	SLW4	YLW2				Remarks
					L	C	R	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	
SEERLEY	241+75.92	243+38.82	BOTH	Waterborne/Solvent Paint	X				1.63														Phase 1 Stage 1
SEERLEY	243+38.82		EB	Waterborne/Solvent Paint	X												0.12						Phase 1 Stage 1
SEERLEY	244+94.95		WB	Waterborne/Solvent Paint	X												0.13						Phase 1 Stage 1
SEERLEY	244+94.65	247+16.37	BOTH	Waterborne/Solvent Paint	X				2.22														Phase 1 Stage 1
MAIN ST	1011+27.43		SB	Waterborne/Solvent Paint	X												0.24						Phase 1 Stage 1
MAIN ST	1001+68.65	1005+51.41	BOTH	Waterborne/Solvent Paint		X			3.83														Phase 1 Stage 2
MAIN ST	1011+27.46	1031+47.55	BOTH	Waterborne/Solvent Paint	X				20.20														Phase 1 Stage 2
MAIN ST	1001+67.60	1009+78.40	BOTH	Wet Retroreflective Removable Tape		X			8.11														Phase 1 Stage 3
MAIN ST	1009+78.40		NB	Waterborne/Solvent Paint			X										0.15						Phase 1 Stage 3
MAIN ST	1031+39.00	1032+13.80	NB	Waterborne/Solvent Paint			X											0.75					Phase 1 Stage 3
SEERLEY	244+58.90		WB	Wet Retroreflective Removable Tape	X												0.27						Phase 1 Stage 4
SEERLEY	244+58.90	244+68.32	BOTH	Wet Retroreflective Removable Tape		X			0.09														Phase 1 Stage 4
MAIN ST	1008+60.10	1009+81.74	SB	Waterborne/Solvent Paint		X			1.22														Phase 1 Stage 5
MAIN ST	1008+60.10	1009+81.74	NB	Waterborne/Solvent Paint		X			1.22														Phase 1 Stage 5
MAIN ST	1009+81.74		NB	Wet Retroreflective Removable Tape			X										0.20						Phase 1 Stage 5
MAIN ST	1009+81.74	1011+11.08	BOTH	Wet Retroreflective Removable Tape			X									1.29							Phase 1 Stage 5
MAIN ST	1011+12.10		WB	Waterborne/Solvent Paint			X										0.18						Phase 1 Stage 5
MAIN ST	1011+12.10	1031+78.28	BOTH	Wet Retroreflective Removable Tape			X		20.66														Phase 1 Stage 5
MAIN ST	1011+12.10	1013+90.79	BOTH	Wet Retroreflective Removable Tape		X			2.79														Phase 1 Stage 6
MAIN ST	1030+33.00	1031+78.00	SB	Waterborne/Solvent Paint	X				1.45														Phase 1 Stage 6
MAIN ST	1030+33.00	1031+78.00	NB	Waterborne/Solvent Paint			X		1.45														Phase 1 Stage 6
6TH ST	60+44.00	61+54.00	BOTH	Waterborne/Solvent Paint		X			1.10														Phase 2 Stage 1
MAIN ST	1061+63.71	1072+92.25	BOTH	Waterborne/Solvent Paint	X				9.38														Phase 2 Stage 3
MAIN ST	1072+92.25		NB	Waterborne/Solvent Paint	X												0.14						Phase 2 Stage 3
MAIN ST	1058+58.02	1059+75.49	SB	Waterborne/Solvent Paint		X							1.17										Phase 2 Stage 5
MAIN ST	1058+58.02	1059+75.49	NB	Waterborne/Solvent Paint			X						1.17										Phase 2 Stage 5
MAIN ST	1060+43.77	1062+43.04	SB	Waterborne/Solvent Paint		X							1.99										Phase 2 Stage 5
MAIN ST	1060+43.77	1062+43.04	NB	Waterborne/Solvent Paint			X						1.99										Phase 2 Stage 5
MAIN ST	1062+43.04	1072+92.25	BOTH	Wet Retroreflective Removable Tape			X		10.49														Phase 2 Stage 5
MAIN ST	1072+92.25		NB	Wet Retroreflective Removable Tape			X										0.12						Phase 2 Stage 5
MAIN ST	1064+00.24	1066+63.37	SB	Wet Retroreflective Removable Tape	X					2.63													Phase 3 Stage 1
MAIN ST	1064+00.24	1066+63.37	NB	Wet Retroreflective Removable Tape			X			2.63													Phase 3 Stage 1
MAIN ST	1046+80.80	1066+34.41	BOTH	Waterborne/Solvent Paint	x				19.54														Phase 3 Stage 2
MAIN ST	1045+32.62	1052+25.64	BOTH	Waterborne/Solvent Paint			X		6.93														Phase 3 Stage 4
MAIN ST	1052+25.64	1052+25.64	NB	Waterborne/Solvent Paint			X										0.12						Phase 3 Stage 4
12TH ST	125+66.83	125+66.83	WB	Wet Retroreflective Removable Tape			X										0.25						Phase 3 Stage 4
12TH ST	125+66.83	126+26.02	BOTH	Wet Retroreflective Removable Tape			X		0.59														Phase 3 Stage 4
MAIN ST	1053+43.15	1053+43.15	SB	Wet Retroreflective Removable Tape			X										0.12						Phase 3 Stage 4
MAIN ST	1053+43.15	1066+35.90	BOTH	Wet Retroreflective Removable Tape			X		12.93														Phase 3 Stage 4
12TH ST	125+65.06	126+25.87	SB	Waterborne/Solvent Paint			X					0.61											Phase 3 Stage 5
12TH ST	125+65.06	126+25.87	NB	Waterborne/Solvent Paint			X					0.61											Phase 3 Stage 5
MAIN ST	1046+80.80	1051+44.62	BOTH	Waterborne/Solvent Paint	X				4.64														Phase 3 Stage 6
MAIN ST	1050+68.45	1051+43.16	BOTH	Waterborne/Solvent Paint	X				0.75														Phase 3 Stage 6
MAIN ST	1050+06.96	1051+43.36	NB	Wet Retroreflective Removable Tape	X				1.36														Phase 4 Stage 1
MAIN ST	1050+04.89	1051+42.88	SB	Wet Retroreflective Removable Tape	X				1.38														Phase 4 Stage 1
MAIN ST	1027+09.30	1032+44.12	BOTH	Waterborne/Solvent Paint	X				5.35														Phase 4 Stage 2
MAIN ST	1032+44.12	1032+44.12	NB	Waterborne/Solvent Paint	X												0.12						Phase 4 Stage 2
MAIN ST	1033+56.92	1051+65.64	BOTH	Waterborne/Solvent Paint	X				18.09														Phase 4 Stage 2
18TH ST	186+99.20	187+66.15	BOTH	Wet Retroreflective Removable Tape			X		0.67														Phase 4 Stage 4
18TH ST	187+01.30	187+01.30	WB	Wet Retroreflective Removable Tape	X												0.20						Phase 4 Stage 5
MAIN ST	1027+08.69	1032+37.28	BOTH	Wet Retroreflective Removable Tape			X		5.29														Phase 4 Stage 6
MAIN ST	1032+37.28	1032+37.28	NB	Wet Retroreflective Removable Tape													0.17						Phase 4 Stage 6
MAIN ST	1033+61.03	1033+61.03	SB	Wet Retroreflective Removable Tape													0.14						Phase 4 Stage 6
MAIN ST	1033+61.03	1049+39.53	BOTH	Wet Retroreflective Removable Tape					15.79														Phase 4 Stage 6
MAIN ST	1034+49.66	1037+54.42	BOTH	Wet Retroreflective Removable Tape		X			3.05														Phase 4 Stage 7
				UNFACTORED:				0.00	98.97	0.00	0.00	1.22	6.33	0.00	0.00	0.00	1.20	0.75	0.00				WATERBORNE
				FACTORED:				0.00	197.95	0.00	0.00	1.22	6.33	0.00	0.00	0.00	7.20	0.75	0.00				WATERBORNE
				UNFACTORED:				0.00	83.19	5.26	0.00	0.00	0.00	0.00	0.00	1.29	1.20	0.00	0.00				TAPE
				FACTORED:				0.00	166.39	6.58	0.00	0.00	0.00	0.00	0.00	0.43	7.20	0.00	0.00				TAPE

108-
01-01-16

PAVEMENT MARKING REMOVAL LINE TYPES

See PM-110

*BCY4 - Place on the same side of the roadway to match existing markings near the project.
**NPY4 - For estimating purposes only. No Passing Zone Lines will be located in the field.
***MNY4 - Factor of 1.00 as value includes number of 4-inch passes to cover median nose area.

BCY4: Broken Centerline (Yellow) @ 0.25
ELY4: Edge Line Left (Yellow) @ 1.00
SLW4: Solid Lane Line (White) @ 1.00
DCY4: Double Centerline (Yellow) @ 2.00
CHW8: Channelizing Line (White) @ 2.00
YLW2: Yield Line (White) @ 1.71
NPY4: No Passing Zone Line (Yellow) @ 1.25
CHY8: Channelizing Line (Yellow) @ 2.00
BLW4: Broken Lane Line (White) @ 0.25
DLW4: Dotted Line (White) @ 0.33
ELW4: Edge Line Right (White) @ 1.00
SLW2: Stop Line (White) @ 6.00

Location								Length by Line Type (Unfactored)																
Road ID	Station to Station		Dir. of Travel	Marking Type	Side			BCY4*	DCY4	NPY4**	BLW4	ELW4	ELY4	CHW8	CHY8	DLW4	SLW2	SLW4	YLW2				Remarks
					L	C	R	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	
SEERELY BLVD	241+76.00	242+81.00	BOTH	Waterborne/Solvent Paint		X			1.05															PHASE 1 STAGE 1
SEERELY BLVD	244+75.00	246+17.00	WB	Waterborne/Solvent Paint	X													1.42						PHASE 1 STAGE 1
SEERELY BLVD	244+75.00		WB	Waterborne/Solvent Paint	X												0.28							PHASE 1 STAGE 1
SEERELY BLVD	246+19.00	247+16.00	BOTH	Waterborne/Solvent Paint		X			0.97															PHASE 1 STAGE 1
MAIN ST	1010+86.00		SB	Waterborne/Solvent Paint	L												0.35							PHASE 1 STAGE 1
MAIN ST	1010+86.00	1011+27.00	SB	Waterborne/Solvent Paint	X						0.41													PHASE 1 STAGE 1
MAIN ST	1010+86.00	1011+27.00	BOTH	Waterborne/Solvent Paint		X			0.41															PHASE 1 STAGE 1
MAIN ST	1002+96.00	1005+80.00	SB	Waterborne/Solvent Paint	X						2.84													PHASE 1 STAGE 2
MAIN ST	1011+27.00	1032+30.00	SB	Waterborne/Solvent Paint	X						21.03													PHASE 1 STAGE 2
MAIN ST	1001+69.00	1003+82.00	SB	Waterborne/Solvent Paint		X			2.13															PHASE 1 STAGE 3 - TEMP.
MAIN ST	1001+69.00	1008+60.00	BOTH	Wet Retroreflective Removable Tape			X		6.91															PHASE 1 STAGE 5 - TEMP.
MAIN ST	1030+90.00	1031+80.00	BOTH	Waterborne/Solvent Paint	X				0.90															PHASE 1 STAGE 5 - TEMP.
MAIN ST	1011+11.00	1031+78.00	BOTH	Wet Retroreflective Removable Tape			X		20.67															PHASE 1 STAGE 6 - TEMP.
MAIN ST	1009+82.00		NB	Wet Retroreflective Removable Tape			X										0.20							PHASE 1 STAGE 7 - TEMP.
SEERELY BLVD	244+59.00		WB	Wet Retroreflective Removable Tape	x												0.27							PHASE 1 STAGE 7 - TEMP.
SEERELY BLVD	244+59.00	244+68.00	BOTH	Wet Retroreflective Removable Tape		x			0.09															PHASE 1 STAGE 7 - TEMP.
MAIN ST	1011+12.00	1013+91.00	BOTH	Wet Retroreflective Removable Tape		X			2.79															PHASE 1 STAGE 7 - TEMP.
6TH ST	60+44.00	61+54.00	BOTH	Waterborne/Solvent Paint		X			1.10															PHASE 2 STAGE 1
6TH ST	60+88.00	61+54.00	EB	Waterborne/Solvent Paint			X											0.66						PHASE 2 STAGE 1
6TH ST	61+54.00		EB	Waterborne/Solvent Paint		X											0.11							PHASE 2 STAGE 1
MAIN ST	1061+06.00	1072+92.00	WB	Waterborne/Solvent Paint	X						11.86													PHASE 2 STAGE 3
MAIN ST	1061+64.00	1063+03.00	BOTH	Waterborne/Solvent Paint		X			1.39															PHASE 2 STAGE 3
MAIN ST	1060+44.00	1063+03.00	BOTH	Waterborne/Solvent Paint	X				2.59															PHASE 2 STAGE 5 - TEMP.
6TH ST	60+44.00	61+18.00	BOTH	Waterborne/Solvent Paint		X			0.74															PHASE 2 STAGE 5 - TEMP.
MAIN ST	1046+81.00	1048+74.00	SB	Waterborne/Solvent Paint	X						1.93													PHASE 3 STAGE 2
MAIN ST	1046+81.00	1048+74.00	BOTH	Waterborne/Solvent Paint		X																		PHASE 3 STAGE 2
MAIN ST	1046+81.00	1048+74.00	NB	Waterborne/Solvent Paint			X		1.93		1.93													PHASE 3 STAGE 2
12TH ST	124+66.00	124+85.00	BOTH	Waterborne/Solvent Paint		X			0.19															PHASE 3 STAGE 2
12TH ST	124+85.00		SB	Waterborne/Solvent Paint			X										0.18							PHASE 3 STAGE 2
MAIN ST	1064+00.00	1066+63.00	SB	Wet Retroreflective Removable Tape	X					2.63														PHASE 3 STAGE 2 - TEMP.
MAIN ST	1064+00.00	1066+63.00	NB	Wet Retroreflective Removable Tape			X			2.63														PHASE 3 STAGE 2 - TEMP.
MAIN ST	1046+81.00	1048+74.00	BOTH	Waterborne/Solvent Paint	X				1.93															PHASE 3 STAGE 4
MAIN ST	1064+00.00	1066+34.00	BOTH	Wet Retroreflective Removable Tape	X				2.34															PHASE 3 STAGE 4 - TEMP.
MAIN ST	1045+33.00	1052+26.00	BOTH	Waterborne/Solvent Paint			X		6.93															PHASE 3 STAGE 5
MAIN ST	1052+26.00		NB	Waterborne/Solvent Paint			X										0.12							PHASE 3 STAGE 5
12TH ST	125+67.00		WB	Wet Retroreflective Removable Tape			X										0.25							PHASE 3 STAGE 5 - TEMP.
12TH ST	125+67.00	126+26.00	BOTH	Wet Retroreflective Removable Tape			X		0.59															PHASE 3 STAGE 5 - TEMP.
MAIN ST	1053+43.00		SB	Wet Retroreflective Removable Tape			X										0.12							PHASE 3 STAGE 5 - TEMP.
MAIN ST	1053+43.00	1066+36.00	BOTH	Wet Retroreflective Removable Tape			X		12.93															PHASE 3 STAGE 5 - TEMP.
MAIN ST	1049+30.00	1051+45.00	BOTH	Wet Retroreflective Removable Tape	X				2.15															PHASE 4 STAGE 1 - TEMP.
MAIN ST	1027+09.00	1030+33.00	NB	Wet Retroreflective Removable Tape			X			3.24														PHASE 4 STAGE 2 - TEMP.
MAIN ST	1029+54.00	1030+33.00	SB	Wet Retroreflective Removable Tape	X					0.79														PHASE 4 STAGE 2 - TEMP.
MAIN ST	1050+07.00	1051+43.00	NB	Wet Retroreflective Removable Tape			X		1.36															PHASE 4 STAGE 2 - TEMP.
MAIN ST	1050+05.00	1051+43.00	SB	Wet Retroreflective Removable Tape	X				1.38															PHASE 4 STAGE 6 - TEMP.
MAIN ST	1036+76.00	1051+43.00	BOTH	Wet Retroreflective Removable Tape			X		14.67															PHASE 4 STAGE 7 - TEMP.
MAIN ST	1027+09.00	1032+37.00	BOTH	Wet Retroreflective Removable Tape			X		5.28															PHASE 4 STAGE 8 - TEMP.
MAIN ST	1032+37.00		NB	Wet Retroreflective Removable Tape			X										0.17							PHASE 4 STAGE 8 - TEMP.
18TH ST	186+99.20	187+66.15	BOTH	Wet Retroreflective Removable Tape			X		0.67															PHASE 4 STAGE 8 - TEMP.
18TH ST	187+01.30		WB	Wet Retroreflective Removable Tape	X												0.20							PHASE 4 STAGE 8 - TEMP.
MAIN ST	1033+61.00		SB	Waterborne/Solvent Paint			X										0.13							PHASE 4 STAGE 8 - TEMP.
MAIN ST	1033+61.00	1036+76.00	NB	Wet Retroreflective Removable Tape			X		3.15															PHASE 4 STAGE 8 - TEMP.
MAIN ST	1034+50.00	1037+54.00	SB	Wet Retroreflective Removable Tape		X			3.04															PHASE 4 STAGE 8 - TEMP.
				UNFACTORED:				0.00	100.28	9.29	40.00	0.00	0.00	0.00	0.00	0.00	2.38	2.08	0.00					
				FACTORED:				0.00	200.56	11.61	10.00	0.00	0.00	0.00	0.00	0.00	14.28	2.08	0.00					

108-33
10-15-19

TEMPORARY BARRIER RAIL

Possible Standard: BA-401 Possible Detail: 560-7

* Not a bid item. Anchorage requirements are based on TBR locations shown in the plans. TBR alignments that vary from what is shown in the plans may result in additional TBR sections requiring anchorage.

No.	Station to Station		Length	(Select One) Concrete	Steel	Anchored*	Modular Glare Screen System	Remarks
			LF	BA-401	560-7	(Y/N)	(Y/N)	
	1009+83	1010+45	538.0	X		Yes	No	Phase 1 Stage 1 & 2 - Box Culvert
	1011+99	1032+18	4075.0	X		No	No	Phase 1 Stage 1 - Sanitary
	1063+98	1073+78	1975.0	X		No	No	Phase 2 Stage 2 - Sanitary
	1048+74	1064+04	3100.0	X		No	No	Phase 3 Stage 1 - Sanitary
	1033+95	1049+22	3062.0	X		No	No	Phase 4 Stage 1 - Sanitary
		TOTAL	**12750.0**					

108-13A
08-01-08

SAFETY CLOSURES

Refer to Section 2518 of the Standard Specifications

Station	Closure Type Road Qty.	Hazard Qty.	Remarks
PHASE 1			
1006+15.00	1		Stage 1 - Main St
1002+88.00	1		Stage 2 - Main St
1005+75.00	1		Stage 2 - Main St
1020+86.00	1		Stage 2 - 21st St (east)
1024+17.00	1		Stage 2 - 20th St (east)
1003+75.00	1		Stage 3 - Main St
1005+87.00	1		Stage 3 - Main St
244+37.00	1		Stage 3 - Seerley (east)
246+94.00	1		Stage 3 - Seerley (east)
1016+91.00	1		Stage 5 - 22nd St (west)
1020+88.00	1		Stage 5 - 21st St (west)
1024+17.00	1		Stage 5 - 20th St (west)
241+70.00	1		Stage 6 - Seerley (west)
243+89.00	1		Stage 6 - Seerley (west)
PHASE 2			
1073+42.00	1		Stage 1 - Main St
1075+14.00	1		Stage 1 - Main St
1066+84.00	2		Stage 3 - 8th St (east)
1070+03.00	2		Stage 3 - 7th St (east)
1073+25.00	2		Stage 3 - 6th St (east)
1066+72.00	2		Stage 5 - 8th St (west)
1070+03.00	2		Stage 5 - 7th St (west)
1073+33.00	2		Stage 5 - 6th St (west)
PHASE 3			
125+58.00	1		Stage 1 - Waterloo Rd
128+70.00	1		Stage 1 - State St
130+81.00	1		Stage 1 - Waterloo Rd
126+41.00	1		Stage 2 - Waterloo Rd
124+81.00	1		Stage 2 - 12th St (west)
124+38.00	1		Stage 2 - 12th St (west)
1049+73.00	1		Stage 2 - 13th St (east)
1056+79.00	1		Stage 2 - 11th St (east)
1060+09.00	1		Stage 2 - 10th St (east)
1063+41.00	1		Stage 2 - 9th St (east)
1049+72.00	1		Stage 4 - 13th St (west)
121+89.00	1		Stage 4 - 12th St (west)
125+16.00	1		Stage 4 - 12th St (west)
1056+78.00	1		Stage 4 - 11th St (west)
1060+10.00	1		Stage 4 - 10th St (west)
1063+40.00	1		Stage 4 - 9th St (west)
1049+72.00	1		Stage 6 - 13th St (east)
126+41.00	1		Stage 6 - Waterloo Rd
PHASE 4			
186+41.00	1		Stage 2 - 18th St (east)
190+61.00	1		Stage 2 - 18th St (east)
1039+75.00	1		Stage 4 - 16th St (east)
1043+12.00	1		Stage 4 - 15th St (east)
1046+42.00	1		Stage 4 - 14th St (east)
1033+83.00	1		Stage 6 - Washington St
1036+31.00	1		Stage 6 - 17th St (west)
1039+78.00	1		Stage 6 - 16th St (west)
1043+10.00	1		Stage 6 - 15th St (west)

108-13A
08-01-08

SAFETY CLOSURES

Refer to Section 2518 of the Standard Specifications

Station	Closure Type Road Qty.	Hazard Qty.	Remarks
1046+42.00	1		Stage 6 - 14th St (west)
TOTAL	56		

108-28
08-01-08

TEMPORARY TRAFFIC SIGNALS

No.	Location Station	Type One Lane Traffic	Haul Road	Intersection	Remarks
1	1010+63			Seerley Blvd	Ph 1 Stage 1/2
2	1010+41			Seerley Blvd	Ph 1 Stage 3
3	1010+41			Seerley Blvd	Ph 1 Stage 4/5
4	1010+41			Seerley Blvd	Ph 1 Stage 6
5	1052+89			12th Street	Ph 3 Stage 4
6	1033+05			18th Street	Ph 4 Stage 2/3/
7	1033+05			18th Street	Ph 4 Stage 5
8	1033+05			18th Street	Ph 4 Stage 6/7

7000
01-01-16

DETOUR PAVEMENT TABULATION

Location Station	to Station	Route	Side (RT/LT)	Length (ft)	Width (ft)	Area (sy)	Subbase
PHASE 1 STAGE 1							
1001+67.61	1002+96.00	MAIN STREET	RT	128.40	7.00	100.00	100.00
1010+51.01	1011+22.20	SEERLEY BLVD	LT	198.46	VARIES	390.00	434.00
1012+00.81	1030+36.82	MAIN STREET	LT	1836.01	12.00	2448.00	2856.00
1030+36.82	1031+91.19	MAIN STREET	BOTH	154.37	VARIES	530.00	530.00
1031+91.19	1032+54.71	MAIN STREET	LT	63.52	6.00	42.00	42.00
1012+06.39	1012+22.36	MAIN STREET	LT	16.00	28.40	50.00	50.00
1012+06.95	1012+22.77	MAIN STREET	RT	16.00	16.30	29.00	29.00
1016+83.35	1016+99.35	MAIN STREET	RT	16.00	39.30	70.00	70.00
1023+89.50	1024+05.50	MAIN STREET	RT	16.00	VARIES	51.00	55.00
1023+90.24	1024+06.24	MAIN STREET	LT	16.00	VARIES	45.00	49.00
1024+31.19	1024+47.19	MAIN STREET	LT	16.00	VARIES	42.00	47.00
1029+71.06	1029+87.15	MAIN STREET	RT	16.00	31.10	56.00	56.00
PHASE 1 STAGE 2							
1008+55.94	1009+87.52	MAIN STREET	BOTH	125.90	VARIES	203.00	203.00
1009+97.97	1010+42.50	MAIN STREET	BOTH	44.50	VARIES	223.00	236.00
1030+33.30	1031+63.78	MAIN STREET	RT	127.70	VARIES	250.00	278.00
PHASE 1 STAGE 3							
1009+99.17	1011+58.82	MAIN STREET	RT	159.70	VARIES	340.00	367.00
PHASE 1 STAGE 5							
1030+32.72	1030+52.38	MAIN STREET	LT	20.00	VARIES	32.00	36.00
PHASE 2 STAGE 1							
1073+45.33	1073+52.95	MAIN STREET	BOTH	7.60	83.20	61.00	73.00
PHASE 2 STAGE 2							
1064+00.00	1073+53.00	MAIN STREET	LT	953.00	12.00	1270.00	1482.00
PHASE 2 STAGE 3							
1063+85.24	1064+00.24	MAIN STREET	RT	15.00	18.80	31.00	35.00
PHASE 2 STAGE 4							
1063+85.22	1064+00.24	MAIN STREET	BOTH	15.00	14.00	23.00	23.00
1064+45.24	1064+84.49	MAIN STREET	BOTH	39.20	14.00	61.00	70.00
PHASE 2 STAGE 5							
1063+85.22	1064+00.24	MAIN STREET	LT	15.00	19.00	32.00	35.00
PHASE 3 STAGE 1							
1048+74.42	1051+56.89	MAIN STREET	BOTH	282.50	VARIES	458.00	547.00
1049+91.36	1052+86.17	MAIN STREET	LT	294.70	VARIES	359.00	425.00
1053+19.27	1056+54.25	MAIN STREET	LT	335.10	VARIES	306.00	381.00
1052+96.72	1053+12.72	MAIN STREET	RT	16.00	18.80	34.00	36.00
1052+56.33	1052+85.96	12TH STREET	BOTH	73.00	28.00	146.00	154.00
1054+36.22	1056+73.89	MAIN STREET	LT	237.70	VARIES	132.00	185.00
1056+73.89	1064+00.24	MAIN STREET	LT	726.40	10.00	807.00	969.00
PHASE 3 STAGE 2							
1051+56.89	1052+37.69	MAIN STREET	RT	80.80	VARIES	212.00	223.00
1052+51.20	1053+14.64	MAIN STREET	RT	63.00	VARIES	114.00	128.00
1053+25.45	1054+26.19	MAIN STREET	RT	98.00	VARIES	141.00	165.00
PHASE 3 STAGE 4							
1048+74.42	1049+29.92	MAIN STREET	LT	55.50	28.10	173.00	185.00
PHASE 3 STAGE 6							
1048+74.43	1049+29.92	MAIN STREET	RT	55.50	15.80	98.00	110.00
PHASE 4 STAGE 1							
1035+06.55	1037+03.42	MAIN STREET	LT	196.70	VARIES	135.00	179.00
1037+03.42	1049+15.11	MAIN STREET	LT	1211.70	10.00	1346.00	1616.00
1039+69.69	1039+85.69	MAIN STREET	RT	16.00	34.00	60.00	64.00
1043+00.60	1043+16.60	MAIN STREET	RT	16.00	39.20	70.00	74.00
1043+00.59	1043+16.66	MAIN STREET	LT	16.00	33.50	60.00	60.00
PHASE 4 STAGE 2							
1032+48.39	1033+74.49	MAIN STREET	BOTH	VARIES	VARIES	340.00	340.00
PHASE 4 STAGE 5							
1030+32.85	1032+49.55	MAIN STREET	BOTH	216.80	VARIES	269.00	317.00
1033+64.26	1034+49.86	MAIN STREET	RT	85.50	VARIES	151.00	170.00
					TOTALS =	11790.00	13484.00

100-19
10-19-21

PERIMETER, SLOPE AND DITCH CHECK SEDIMENT CONTROL DEVICES

Possible Standards: EC-204

Location			Perimeter and Slope Length of Installation			Ditch Check Length of Installation		Remarks
Begin Station	End Station	Side	9 inch Dia	12 inch Dia	20 inch Dia	12 inch Dia	20 inch Dia	
			LF	LF	LF	LF	LF	
1002+96.00	1003+31.72	RT	39					
1003+01.03	1003+46.54	LT	50					
1003+74.18	1003+98.14	LT	38					
1003+99.34	1005+62.02	RT	168					
1004+03.68	1005+61.77	LT	168					
1006+22.82	1008+76.99	RT	261					
1007+22.59	1009+85.69	RT	335					
1008+19.53	1008+70.44	LT	53					
1008+71.79	1009+17.54	LT	46					
1008+71.83	1009+21.90	RT	51					
1008+90.48	1009+07.18	RT	140					
1009+11.85	1009+20.66	RT	58					
1009+17.43	1010+07.50	LT	216					
1009+22.53	1009+39.89	LT	37					
1009+24.74	1009+83.38	RT	99					
1009+50.49	1009+54.54	RT	46					
1009+82.43	1009+92.66	RT	121					
1009+95.17	1009+99.04	RT	49					
1009+95.39	1010+00.66	LT	96					
1010+17.68	1010+24.15	LT	88					
1010+21.78	1010+21.79	LT	16					
1010+25.08	1010+28.58	RT	15					
1010+28.15	1010+35.31	RT	47					
1010+32.30	1010+40.39	RT	44					
1010+38.76	1011+08.56	RT	94					
1010+46.53	1010+54.43	RT	41					
1010+51.15	1010+58.13	LT	33					
1010+52.83	1010+58.38	LT	26					
1010+59.99	1011+03.80	RT	97					
1010+98.31	1011+47.32	LT	50					
1011+18.90	1011+95.10	RT	83					
1011+20.44	1011+46.16	LT	33					
1011+85.76	1011+99.27	LT	15					
1011+95.27	1012+89.23	RT	99					
1012+00.64	1012+13.15	LT	17					
1012+36.82	1012+62.59	LT	30					
1012+80.78	1013+80.78	LT	104					
1013+41.94	1015+10.19	RT	174					
1014+25.55	1014+80.30	LT	57					
1014+70.43	1015+12.77	RT	42					
1015+08.93	1015+26.32	LT	20					
1015+37.94	1016+53.86	LT	120					
1015+45.84	1016+53.86	RT	118					
1015+51.73	1016+51.89	RT	105					
1016+60.12	1016+68.61	RT	11					
1016+64.18	1016+75.13	RT	22					
1016+65.20	1016+75.47	LT	62					
1017+06.87	1017+17.33	RT	22					
1017+07.13	1017+17.27	LT	61					
1017+10.93	1018+43.64	LT	138					
1017+13.23	1018+31.64	RT	123					
1017+31.44	1018+32.41	RT	101					
1018+67.29	1019+66.70	LT	102					
1018+72.30	1020+50.22	RT	188					
1019+80.36	1020+08.10	LT	31					
1020+31.75	1020+49.30	LT	23					
1020+56.38	1020+65.38	RT	11					
1020+60.56	1020+71.73	RT	29					
1020+60.64	1020+71.82	LT	32					
1020+66.33	1020+71.72	RT	15					
1021+03.47	1021+08.75	RT	16					
1021+03.48	1021+14.26	RT	28					
1021+09.83	1021+14.98	RT	7					
1021+20.35	1022+19.16	RT	100					
1021+84.15	1021+88.63	LT	8					
1022+00.29	1023+03.97	LT	107					
1022+54.57	1023+83.84	RT	130					
1023+32.62	1023+91.34	LT	61					
1023+89.02	1023+97.40	RT	12					
1023+90.13	1024+01.37	LT	36					
1023+95.37	1024+01.21	RT	21					
1023+95.73	1024+01.19	RT	46					
1024+32.92	1024+38.40	RT	21					
1024+32.95	1024+44.12	RT	41					
1024+33.08	1024+44.21	LT	36					
1024+36.77	1024+50.24	RT	17					
1024+56.46	1025+12.11	LT	62					

100-19
10-19-21

PERIMETER, SLOPE AND DITCH CHECK SEDIMENT CONTROL DEVICES

Possible Standards: EC-204

Location			Perimeter and Slope			Ditch Check		Remarks
			Length of Installation			Length of Installation		
Begin Station	End Station	Side	9 inch Dia	12 inch Dia	20 inch Dia	12 inch Dia	20 inch Dia	
			LF	LF	LF	LF	LF	
1024+56.46	1025+18.04	RT	69					
1025+29.38	1025+76.31	LT	47					
1025+30.77	1026+34.16	LT	106					
1025+43.70	1026+68.79	RT	131					
1026+48.33	1026+51.13	LT	6					
1026+65.31	1028+06.44	LT	144					
1027+04.45	1028+40.56	RT	142					
1028+32.10	1028+87.76	LT	59					
1028+61.22	1029+61.79	RT	107					
1029+13.42	1030+42.00	LT	133					
1029+79.62	1031+40.17	LT	169					
1029+98.01	1030+44.46	RT	50					
1030+15.28	1031+15.58	RT	98					
1030+45.84	1032+09.83	LT	173					
1030+48.17	1031+17.35	RT	72					
1031+70.38	1032+10.65	RT	50					
1031+72.53	1032+22.25	RT	51					
1031+77.87	1032+57.23	LT	179					
1032+19.75	1032+79.32	LT	85					
1032+20.97	1032+67.35	RT	92					
1032+33.41	1032+41.66	LT	94					
1032+41.36	1032+54.26	RT	18					
1032+46.23	1032+49.72	RT	42					
1032+48.01	1032+68.09	LT	188					
1032+60.97	1032+90.98	RT	39					
1032+65.16	1032+79.54	RT	49					
1032+69.11	1032+81.26	LT	115					
1032+72.63	1032+97.11	LT	131					
1032+79.17	1032+96.41	RT	103					
1032+90.90	1032+98.45	RT	37					
1032+92.14	1032+98.27	RT	44					
1032+92.49	1033+14.13	LT	97					
1032+98.69	1033+13.62	LT	72					
1033+02.12	1033+41.70	LT	48					
1033+08.81	1033+45.64	LT	45					
1033+15.66	1033+27.49	RT	80					
1033+15.85	1033+26.66	LT	27					
1033+24.49	1033+37.27	RT	153					
1033+24.87	1033+77.43	LT	96					
1033+40.30	1033+57.14	RT	82					
1033+61.47	1033+81.93	RT	21					
1033+84.61	1034+08.95	LT	25					
1033+87.63	1034+64.60	LT	85					
1034+33.94	1034+98.24	RT	69					
1034+84.25	1035+00.95	LT	19					
1034+99.79	1035+51.78	LT	54					
1035+03.03	1035+32.36	RT	33					
1035+52.07	1035+60.42	RT	14					
1035+63.78	1036+18.29	LT	57					
1035+85.13	1036+29.17	RT	50					
1036+15.03	1036+24.56	LT	56					
1036+51.07	1036+52.36	LT	10					
1036+52.73	1036+67.04	LT	48					
1036+62.87	1039+46.68	LT	290					
1036+67.55	1037+20.04	RT	59					
1037+37.37	1037+51.11	RT	20					
1037+64.56	1039+45.67	RT	192					
1039+51.01	1039+62.08	RT	29					
1039+52.03	1039+65.18	LT	37					
1039+90.93	1040+05.08	LT	38					
1039+93.78	1040+05.08	RT	29					
1040+10.42	1042+78.25	RT	282					
1040+10.43	1042+78.48	LT	282					
1042+83.57	1042+94.68	RT	34					
1042+83.81	1042+94.94	LT	59					
1043+26.38	1043+37.64	RT	34					
1043+26.61	1043+37.88	LT	59					
1043+42.99	1046+05.32	RT	277					
1043+43.22	1044+74.74	LT	141					
1044+88.45	1046+05.32	LT	128					
1046+14.74	1046+25.20	RT	25					
1046+18.54	1046+28.99	LT	67					
1046+55.72	1046+68.41	LT	69					
1046+57.90	1046+68.63	RT	40					
1046+73.75	1049+41.41	LT	279					
1046+73.98	1049+40.11	RT	279					
1046+81.12	1047+21.36	RT	40					

100-19
10-19-21

PERIMETER, SLOPE AND DITCH CHECK SEDIMENT CONTROL DEVICES

Possible Standards: EC-204

Location			Perimeter and Slope			Ditch Check		Remarks
			Length of Installation			Length of Installation		
Begin Station	End Station	Side	9 inch Dia	12 inch Dia	20 inch Dia	12 inch Dia	20 inch Dia	
			LF	LF	LF	LF	LF	
1047+23.95	1047+77.36	RT	53					
1047+80.05	1049+32.42	RT	152					
1049+45.42	1049+54.55	RT	42					
1049+46.73	1049+56.88	LT	81					
1049+88.54	1049+98.82	LT	81					
1049+90.20	1049+99.51	RT	43					
1050+04.15	1050+84.12	LT	87					
1050+04.86	1050+45.77	RT	50					
1050+57.75	1051+00.80	RT	45					
1051+00.00	1051+94.04	RT	101					
1051+99.95	1052+42.44	RT	126					
1052+04.32	1052+45.18	RT	87					
1052+08.08	1052+56.77	RT	130					
1052+17.39	1052+77.43	LT	81					
1052+31.34	1052+44.00	RT	145					
1052+42.10	1052+59.66	RT	242					
1052+44.72	1052+52.94	RT	45					
1052+75.30	1052+88.00	LT	62					
1052+79.11	1052+88.03	LT	24					
1052+82.54	1052+88.15	LT	130					
1052+90.21	1053+03.51	RT	117					
1052+92.29	1053+01.51	RT	46					
1052+93.33	1053+01.63	RT	49					
1052+95.15	1053+16.99	RT	34					
1052+96.91	1053+30.80	RT	57					
1053+01.33	1053+17.08	RT	96					
1053+18.43	1053+24.04	LT	99					
1053+20.57	1053+27.02	LT	19					
1053+21.43	1053+31.08	LT	66					
1053+23.80	1053+40.48	RT	17					
1053+27.26	1053+62.56	LT	85					
1053+28.12	1053+54.21	RT	55					
1053+29.24	1053+31.16	RT	10					
1053+34.24	1053+42.13	RT	48					
1053+72.23	1054+23.38	LT	59					
1053+77.23	1054+23.71	LT	48					
1054+00.72	1054+48.16	RT	51					
1054+39.03	1054+74.40	LT	37					
1054+58.83	1054+92.30	RT	37					
1054+73.55	1055+21.11	LT	49					
1054+94.50	1056+46.39	RT	161					
1055+33.12	1055+57.60	LT	28					
1055+79.31	1056+46.37	LT	76					
1056+51.69	1056+60.38	LT	45					
1056+51.74	1056+65.94	RT	57					
1056+91.65	1057+05.79	RT	57					
1056+97.12	1057+05.79	LT	45					
1057+11.11	1059+76.68	LT	279					
1057+11.13	1059+76.87	RT	281					
1057+13.63	1057+14.15	LT	28					
1058+88.19	1059+08.20	RT	20					
1059+14.17	1059+53.37	RT	39					
1059+63.44	1059+72.44	RT	9					
1059+82.01	1059+91.21	LT	42					
1059+82.22	1059+96.39	RT	37					
1060+22.20	1060+36.33	RT	37					
1060+26.86	1060+36.04	LT	42					
1060+41.37	1063+07.14	LT	279					
1060+41.66	1060+64.22	RT	33					
1060+92.93	1061+64.80	RT	77					
1061+17.31	1061+40.31	RT	23					
1061+81.47	1063+07.09	RT	134					
1062+30.43	1063+04.84	RT	78					
1063+12.40	1063+21.95	LT	25					
1063+12.43	1063+21.67	RT	37					
1063+57.37	1063+66.52	RT	37					
1063+57.89	1063+65.57	LT	35					
1063+70.88	1064+61.50	LT	100					
1063+71.83	1064+61.50	RT	100					
1064+68.24	1065+01.33	LT	40					
1064+68.24	1064+85.56	RT	24					
1065+01.28	1065+53.65	RT	58					
1065+15.04	1066+40.64	LT	135					
1065+93.36	1066+40.20	RT	54					
1066+45.96	1066+54.12	LT	31					
1066+46.94	1066+69.41	RT	29					
1066+64.85	1066+71.18	RT	41					

100-19
10-19-21

PERIMETER, SLOPE AND DITCH CHECK SEDIMENT CONTROL DEVICES

Possible Standards: EC-204

Location			Perimeter and Slope			Ditch Check		Remarks
			Length of Installation			Length of Installation		
Begin Station	End Station	Side	9 inch Dia	12 inch Dia	20 inch Dia	12 inch Dia	20 inch Dia	
			LF	LF	LF	LF	LF	
1066+89.80	1066+99.02	LT	32					
1066+96.83	1067+04.03	RT	42					
1067+09.34	1067+93.07	LT	93					
1067+09.34	1067+72.63	RT	73					
1067+89.30	1069+71.34	RT	190					
1068+14.74	1069+71.25	LT	164					
1069+76.56	1069+84.24	LT	29					
1069+76.67	1069+85.87	RT	19					
1070+19.62	1070+29.76	RT	20					
1070+19.98	1070+28.66	LT	30					
1072+83.93	1072+98.64	RT	15					
1073+01.21	1073+15.31	LT	51					
1073+06.19	1073+12.43	RT	26					
1073+36.14	1073+36.18	RT	14					
1073+51.04	1073+57.01	LT	48					
	TOTAL:		**18607**					

100-36
10-16-18

OPEN-THROAT CURB INTAKE SEDIMENT FILTER

Possible Standard: EC-602

Location Station	Side	Installation	Maintenance	Removal	Remarks
		LF	EACH	EACH	
1004+07.15	RT	8.0	1	1	
1006+32.47	RT	8.0	1	1	
1006+32.91	LT	4.0	1	1	
1007+29.48	RT	8.0	1	1	
1007+32.15	LT	4.0	1	1	
1008+27.60	LT	4.0	1	1	
1008+28.99	RT	4.0	1	1	
1009+88.94	RT	4.0	1	1	
1010+25.09	RT	4.0	1	1	
1010+53.97	LT	8.0	1	1	
1012+82.05	RT	8.0	1	1	
1012+88.66	LT	8.0	1	1	
1014+67.66	RT	4.0	1	1	
1014+69.42	LT	8.0	1	1	
1015+73.60	LT	4.0	1	1	
1015+73.62	RT	4.0	1	1	
1018+78.63	RT	4.0	1	1	
1018+78.63	LT	4.0	1	1	
1020+41.55	LT	8.0	1	1	
1020+43.73	RT	4.0	1	1	
1020+72.68	LT	8.0	1	1	
1022+09.81	LT	8.0	1	1	
1022+11.36	RT	4.0	1	1	
1023+68.63	LT	8.0	1	1	
1023+70.65	RT	4.0	1	1	
1025+83.52	RT	8.0	1	1	
1025+86.13	LT	4.0	1	1	
1027+96.77	RT	8.0	1	1	
1027+99.35	LT	4.0	1	1	
1030+14.73	RT	8.0	1	1	
1030+15.85	LT	4.0	1	1	
1032+49.58	LT	8.0	1	1	
1032+73.82	LT	8.0	1	1	
1032+81.07	LT	8.0	1	1	
1032+93.04	LT	8.0	1	1	
1033+03.98	LT	8.0	1	1	
1033+58.91	RT	8.0	1	1	
1035+14.28	RT	8.0	1	1	
1035+16.48	LT	8.0	1	1	
1036+55.09	LT	8.0	1	1	
1036+90.18	LT	4.0	1	1	
1036+90.91	RT	4.0	1	1	
1038+53.87	RT	4.0	1	1	
1038+56.06	LT	8.0	1	1	
1039+90.56	LT	8.0	1	1	
1040+22.67	RT	4.0	1	1	

100-36
10-16-18

OPEN-THROAT CURB INTAKE SEDIMENT FILTER

Possible Standard: EC-602

Location Station	Side	Installation	Maintenance	Removal	Remarks
		LF	EACH	EACH	
1040+24.32	LT	8.0	1	1	
1041+85.22	RT	4.0	1	1	
1041+87.19	LT	4.0	1	1	
1043+26.30	LT	8.0	1	1	
1043+57.20	RT	4.0	1	1	
1043+59.96	LT	8.0	1	1	
1045+30.33	RT	4.0	1	1	
1045+32.47	LT	8.0	1	1	
1046+55.36	LT	8.0	1	1	
1046+89.44	RT	4.0	1	1	
1046+89.83	LT	4.0	1	1	
1048+20.90	RT	4.0	1	1	
1048+23.10	LT	8.0	1	1	
1052+44.34	RT	8.0	1	1	
1052+66.04	RT	8.0	1	1	
1052+94.04	RT	8.0	1	1	
1053+70.94	RT	4.0	1	1	
1054+65.71	LT	8.0	1	1	
1054+68.20	RT	8.0	1	1	
1056+25.46	RT	4.0	1	1	
1056+26.99	LT	8.0	1	1	
1056+60.74	LT	8.0	1	1	
1056+66.29	RT	4.0	1	1	
1056+96.75	LT	8.0	1	1	
1057+28.84	LT	8.0	1	1	
1057+29.24	RT	8.0	1	1	
1059+91.57	LT	4.0	1	1	
1060+26.49	LT	8.0	1	1	
1060+56.36	RT	4.0	1	1	
1060+58.24	LT	8.0	1	1	
1063+89.81	LT	4.0	1	1	
1063+89.91	RT	4.0	1	1	
1066+21.75	LT	4.0	1	1	
1066+22.72	RT	8.0	1	1	
1069+52.98	RT	8.0	1	1	
1069+53.05	LT	8.0	1	1	
1069+84.61	LT	8.0	1	1	
1070+93.53	LT	8.0	1	1	
1070+94.37	RT	4.0	1	1	
1072+08.44	RT	8.0	1	1	
1072+09.05	LT	8.0	1	1	
1073+79.14	RT	4.0	1	1	
1073+85.21	LT	8.0	1	1	
TOTAL:		**560.0**	**89**	**89**	

100-37
04-18-17

GRATE INTAKE SEDIMENT FILTER BAG

Possible Detail: 570-7

Location Station	Side	Installation	Maintenance	Removal	Remarks
		EACH	EACH	EACH	
1010+24.00	LT	1	1	1	
1010+74.00	LT	3	3	3	
1011+38.00	LT	3	3	3	
1011+54.00	RT	2	2	2	
1011+93.00	LT	2	2	2	
1032+40.00	LT	3	3	3	
1032+76.00	LT	2	2	2	
1033+16.00	RT	1	1	1	
1033+40.00	LT	1	1	1	
1033+92.00	LT	2	2	2	
1034+41.00	LT	3	3	3	
1034+47.00	RT	2	2	2	
1049+57.00	LT	2	2	2	
1049+88.00	LT	2	2	2	
1051+08.00	LT	3	3	3	
1051+84.00	LT	3	3	3	
1051+91.00	RT	1	1	1	
1052+56.00	LT	1	1	1	
1052+71.00	RT	1	1	1	
1052+84.00	LT	1	1	1	
1053+01.00	RT	1	1	1	
1053+24.00	LT	3	3	3	
TOTAL:		**43**	**43**	**43**	

100-22
04-21-15

ROLLED EROSION CONTROL

Refer to EC-101, EC-103, and EC-104.

Location				L	W	Turf Reinforcement Mat (TRM) (EC-104)				Slope Protection (EC-103)	Special Ditch Control (EC-101)	Remarks
Road Identification	Begin Station	End Station	Side			Type 1	Type 2	Type 3	Type 4			
				FT	FT	Squares	Squares	Squares	Squares	Squares	Squares	
MAIN ST	1008+72.68	1009+92.28	RT	250	18					45		
MAIN ST	1009+21.95	1010+08.88	LT	181	15					28		
MAIN ST	1012+78.93	1013+82.55	LT	103	10					10		
MAIN ST	1014+23.69	1014+71.38	LT	47	13					6		
MAIN ST	1015+15.17	1015+28.15	LT	13	14					2		
MAIN ST	1015+35.57	1015+45.22	LT	8	18					1		
MAIN ST	1015+49.70	1016+39.63	LT	89	9					8		
MAIN ST	1016+31.38	1016+59.85	LT	62	14					9		
MAIN ST	1017+17.35	1017+45.90	LT	72	11					8		
MAIN ST	1017+32.36	1018+12.31	RT	80	5					4		
MAIN ST	1017+50.48	1018+22.52	LT	72	5					4		
MAIN ST	1018+27.33	1018+45.00	LT	18	18					3		
MAIN ST	1018+65.09	1019+65.14	LT	100	12					12		
MAIN ST	1022+54.57	1023+22.44	RT	68	5					3		
MAIN ST	1022+55.00	1022+86.47	LT	30	6					2		
MAIN ST	1022+91.00	1023+07.27	LT	16	7					1		
MAIN ST	1027+04.49	1027+75.00	RT	71	6					4		
MAIN ST	1028+30.92	1028+90.95	LT	60	5					3		
MAIN ST	1029+12.19	1029+89.22	LT	77	6					5		
MAIN ST	1030+32.90	1032+41.36	LT	213	9					19		
MAIN ST	1033+11.60	1033+31.898	LT	64	12					8		
MAIN ST	1037+72.27	1037+92.50	RT	21	8					2		
MAIN ST	1037+96.43	1038+35.42	RT	39	8					3		
MAIN ST	1038+15.00	1038+50.55	LT	32	7					2		
MAIN ST	1038+40.58	1039+10.28	RT	69	9					6		
MAIN ST	1038+55.55	1039+17.48	LT	62	5					3		
MAIN ST	1039+14.20	1039+49.70	RT	29	8					2		
MAIN ST	1039+25.48	1039+45.71	LT	24	11					3		
MAIN ST	1040+10.05	1040+38.83	LT	23	12					3		
MAIN ST	1040+43.59	1040+91.80	LT	48	4					2		
MAIN ST	1045+37.14	1045+69.74	LT	33	5					2		
MAIN ST	1045+74.28	1046+16.94	LT	37	5					2		
MAIN ST	1046+73.35	1047+17.40	LT	63	8					5		
MAIN ST	1047+22.06	1047+78.17	LT	56	7					4		
MAIN ST	1047+85.17	1048+41.20	LT	56	9					5		
MAIN ST	1048+47.20	1049+35.17	LT	85	10					9		
MAIN ST	1049+29.80	1049+41.47	LT	65	8					5		
MAIN ST	1050+04.86	1050+29.33	LT	62	7					4		
MAIN ST	1050+33.03	1051+15.84	LT	83	11					9		
MAIN ST	1051+20.84	1051+67.85	LT	48	6					3		
MAIN ST	1051+73.15	1052+70.39	LT	174	18					31		
MAIN ST	1052+54.73	1052+70.54	LT	24	16					4		
MAIN ST	1053+34.80	1053+47.83	LT	19	13					2		
MAIN ST	1062+30.00	1062+98.05	LT	68	6					4		
MAIN ST	1063+70.52	1064+62.71	LT	90	8					7		
MAIN ST	1063+72.64	1064+07.54	RT	54	8					4		
MAIN ST	1064+13.73	1064+63.10	RT	49	10					5		
MAIN ST	1065+35.00	1065+77.50	LT	42	6					2		
MAIN ST	1065+82.49	1066+212.71	LT	39	6					2		
MAIN ST	1067+05.33	1067+54.63	RT	74	9					6		
MAIN ST	1067+60.37	1067+74.47	RT	14	6					1		
MAIN ST	1067+93.13	1068+11.43	RT	18	5					1		
MAIN ST	1068+18.43	1068+54.43	RT	36	3					1		
MAIN ST	1068+60.43	1068+94.81	RT	34	6					2		
MAIN ST	1071+40.27	1071+62.83	LT	20	8					2		
MAIN ST	1071+69.78	1072+00.20	LT	30	10					3		
									TOTAL:	336		

TABULATION OF UTILITIES

UTILITY LEGEND

Where public utility fixtures are shown as existing on the plans or encountered within the construction area, it shall be the responsibility of the contractor to notify the owners of those utilities prior to the beginning of any construction. The Contractor shall afford access to these facilities for necessary modification of services. Underground facilities, structures and utilities have been plotted from available surveys and records, and therefore their locations must be considered approximate only. It is possible there may be others, the existence of which presently not known or shown. It is the Contractor's responsibility to determine their existence and exact location and to avoid damage thereto. No claims for additional compensation will be allowed to the Contractor for any interference or delay caused by such work.

The Contractor is required to utilize the utility One-Call service at (800) 292-8989 at least 48 hours prior to excavating anywhere on the project.

The following utility companies are known to have facilities on the project:

City of Cedar Falls — SAN(C) —
Luke Andreasen — SAN(D) —
220 Clay Street — ST.S(C) —
Cedar Falls, IA 50613 — ST.S(D) —
(319) 268-5165 (office)
luke.andreasen@cedarfalls.com

Cedar Falls Utilities (CFU) - Gas & Water — G(B) —
Travis Schrage — G(D) —
1 Utility Parkway — G2HP(D) —
Cedar Falls, IA 50613 — W(D) —
(319) 268-5336 (office)
travis.schrage@cfunet.net

Cedar Falls Utilities (CFU) - Electric — E(D) —
John Osterhaus — OHE —
1 Utility Parkway
Cedar Falls, IA 50613
(319) 268-5298 (office)
john.osterhaus@cfunet.net

Cedar Falls Utilities (CFU) - Communication — F0(D) —
Quincy McGrane
1 Utility Parkway
Cedar Falls, IA 50613
quincy.mcgrane@cfunet.net

Mediacom
Kevin Parker
4010 Alexandra Drive
Waterloo, IA 50702
(319) 240-4987 (cell)
kparker@mediacomcc.com

CenturyLink/Lumen — T(D) —
Dave Graham — F02(D) —
Address Line
City Line
(303) 453-9927 (office)
dave.graham@lumen.com

Aureon — F03(D) —
Jeff Klocko
7760 Office Plaza Drive South
West Des Moines, IA 50266
(515) 830-0445 (cell)
jeff.klocko@aureon.com

Windstream — F04(D) —
Stephen Kness
1450 N. Center Point Rd.
Hiawatha, IA 52233
(319) 538-1985 (cell)
stephen.kness@windstream.com

IOWA 1-CALL# 1-800-292-8989

PLAN VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

LINEWORK	Design Color No.		
Green	(2)		Existing Topographic Features and Labels
Blue	(1)		Proposed Alignment, Stationing, Tic Marks, and Alignment Annotation
Magenta	(5)		Existing Utilities
SHADING	**Design Color No.**		
Yellow	(4)		Highlight for Critical Notes or Features
Red	(3)		Delineates Restricted Areas
Lavender	(9)		Temporary Pavement Shading
Gray, Light	(48)		Proposed Pavement Shading
Gray, Med	(80)		Proposed Granular Shading
Gray, Dark	(112)		Proposed Grade and Pave Shading "In conjunction with a paving project"
Brown, Light	(236)		Grading Shading
Tan	(8)		Proposed Sidewalk Shading
Blue, Light	(230)		Proposed Sidewalk Landing Shading
Pink	(11)		Proposed Sidewalk Ramp Shading

PROFILE VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

LINEWORK	Design Color No.		
Green	(2)		Existing Ground Line Profile
Blue	(1)		Proposed Profile and Annotation
Magenta	(5)		Existing Utilities
Blue, Light	(230)		Proposed Ditch Grades, Left
Black	(0)		Proposed Ditch Grades, Median
Rust	(14)		Proposed Ditch Grades, Right

COMMON SYMBOLOGY

Station Reference Point — Survey Line
Section Corner
Ground Line Intercept
Saw Cut
Guardrail
HighTension Cable Guardrail
Sheet Pile
Pavement Removal
Clearing & Grubbing Area

RIGHT-OF-WAY LEGEND

Proposed Right-of-Way
Existing Right of Way
Existing and Proposed Right-of-Way
Easement and Existing Right-of-Way
Easement (Temporary)
Easement

PLAN AND PROFILE LEGEND AND SYMBOL INFORMATION SHEET

(COVERS SHEET SERIES D, E, F, & K)

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Falls IA C\Main Street Reconstruction\CAD\Plans\0021C017.02_D01_SHT

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: T. LECLAIR CHECKED BY: C. CARPER DRAWN BY: T. LECLAIR
LETTING DATE: 11/15/2022 CAD DATE: 8/30/2022 5:07:53 PM
CAD FILE: c:\pw_workdir\pw_ie\ttl\d0518375\0021C017.02_D01_SHT.dgn

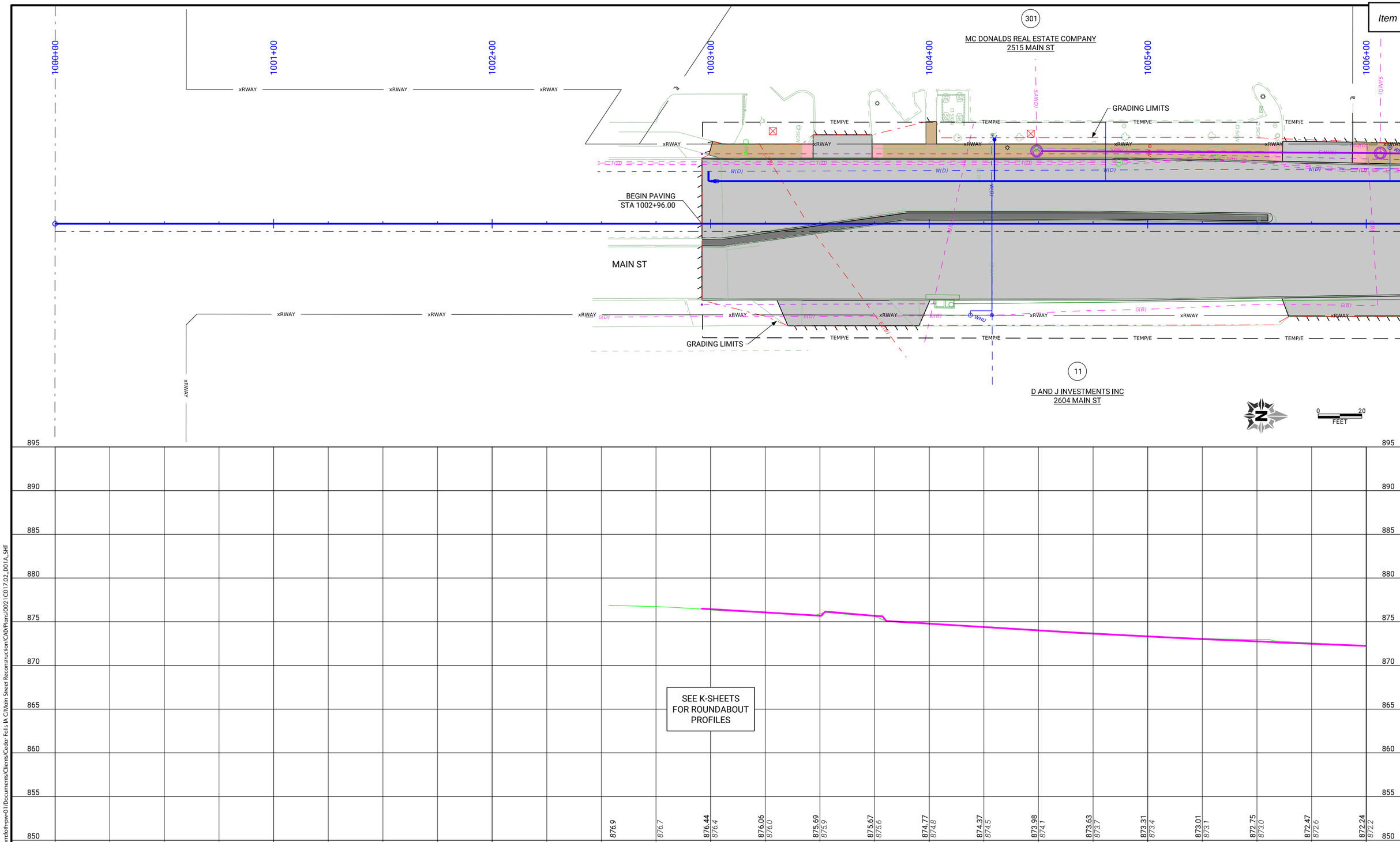
NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

LEGEND AND SYMBOL INFORMATION
PLAN AND PROFILE

SHEET NO.
D.1
STBG-SWAP-1185(657



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LETTING DATE: 11/15/2022 CAD DATE: 8/30/2022 5:08:25 PM
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
PLAN AND PROFILE

SHEET NO.
D.2

STBG-SWAP-1185(657

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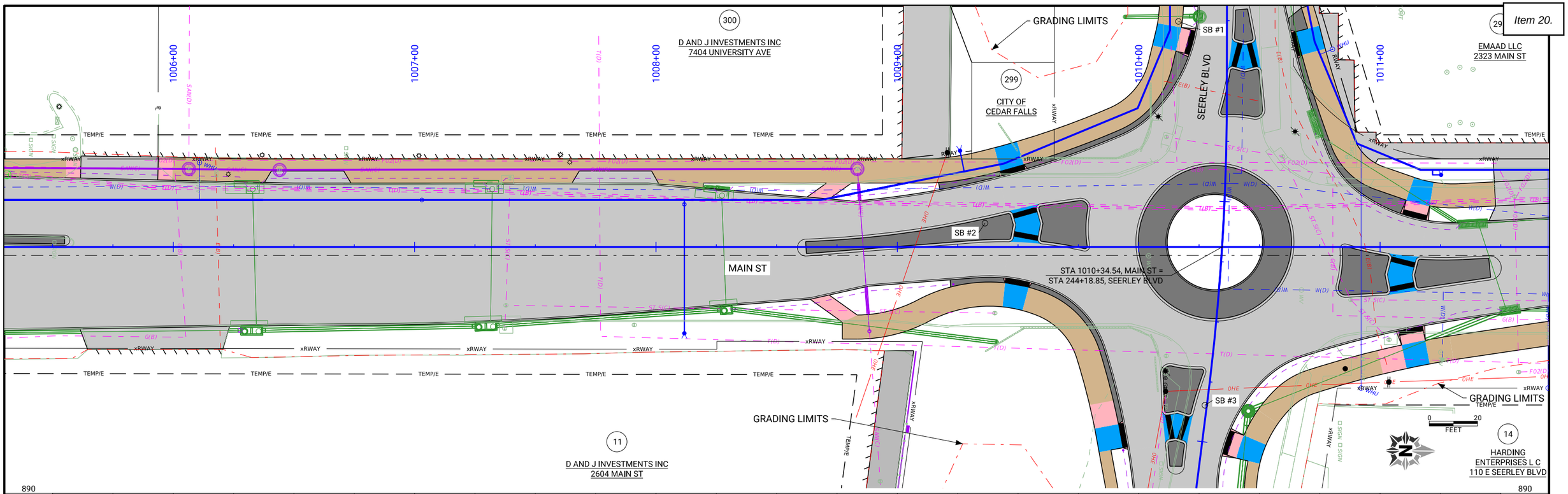

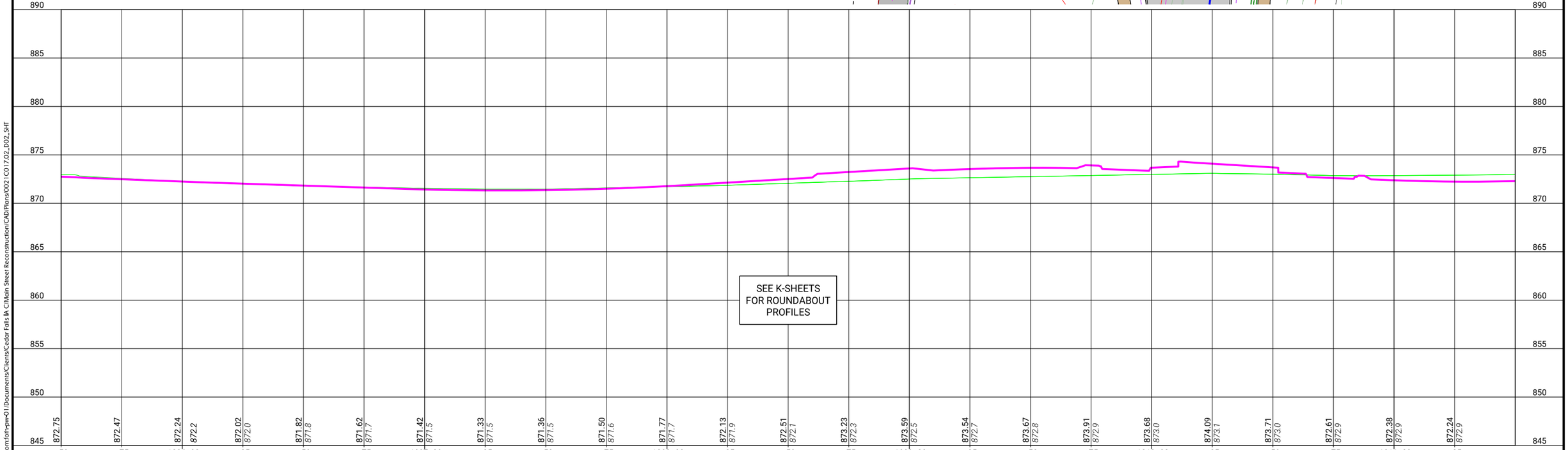

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DESIGNED BY: T. LECLAIR CHECKED BY: C. CARPER DRAWN BY: T. LECLAIR
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
PLAN AND PROFILE

SHEET NO.
D.3
STBG-SWAP-1185(657)

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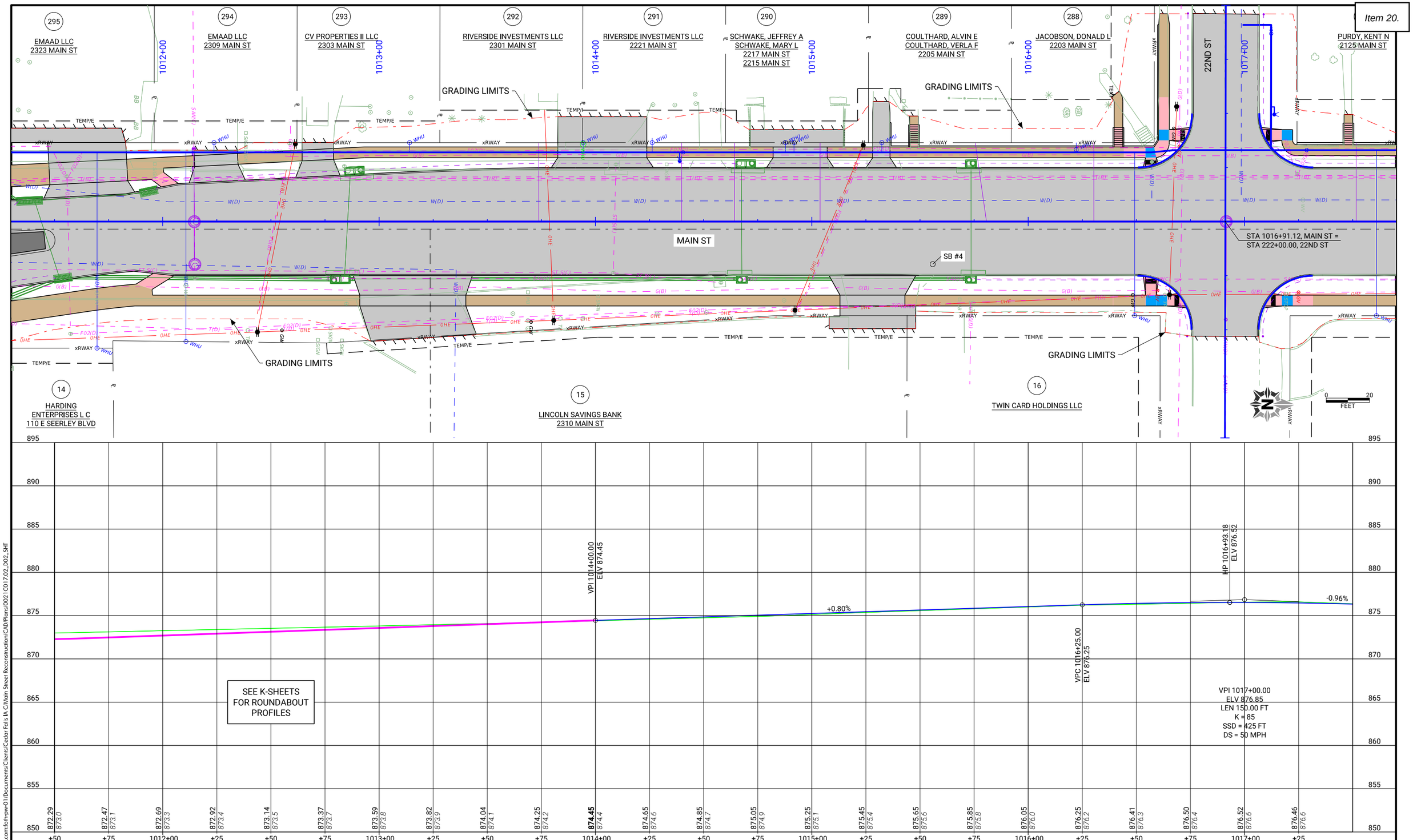

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LETTING DATE: 11/15/2022 CAD DATE: 9/6/2022 1:06:33 PM
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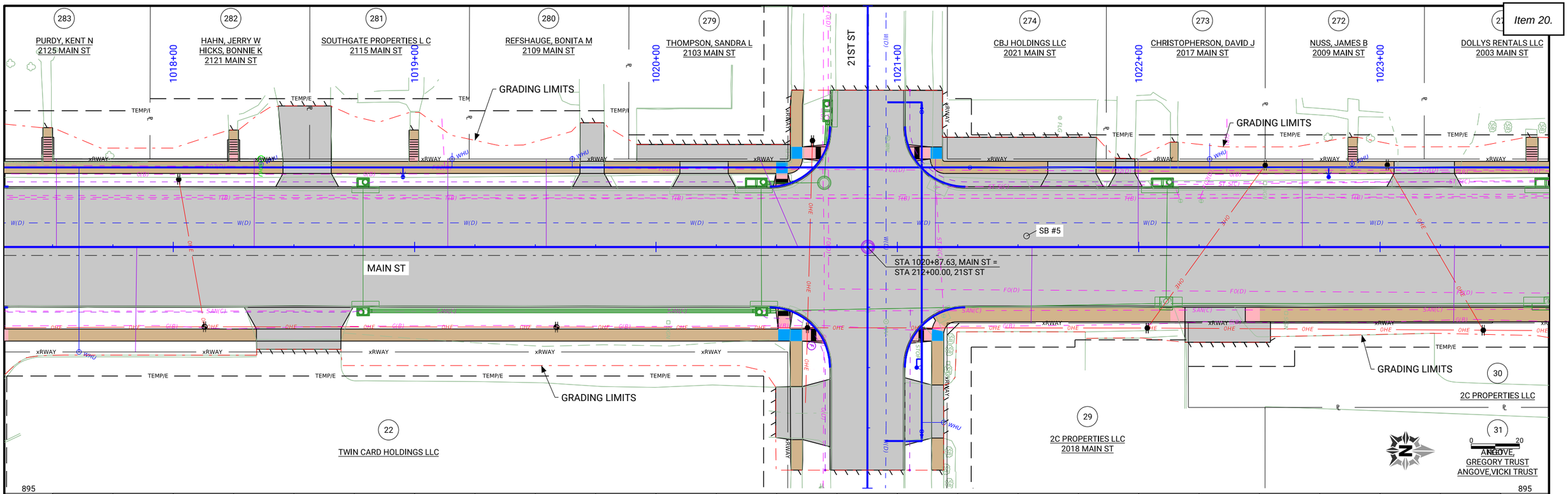
NO	DATE	BY	REVISION DESCRIPTION

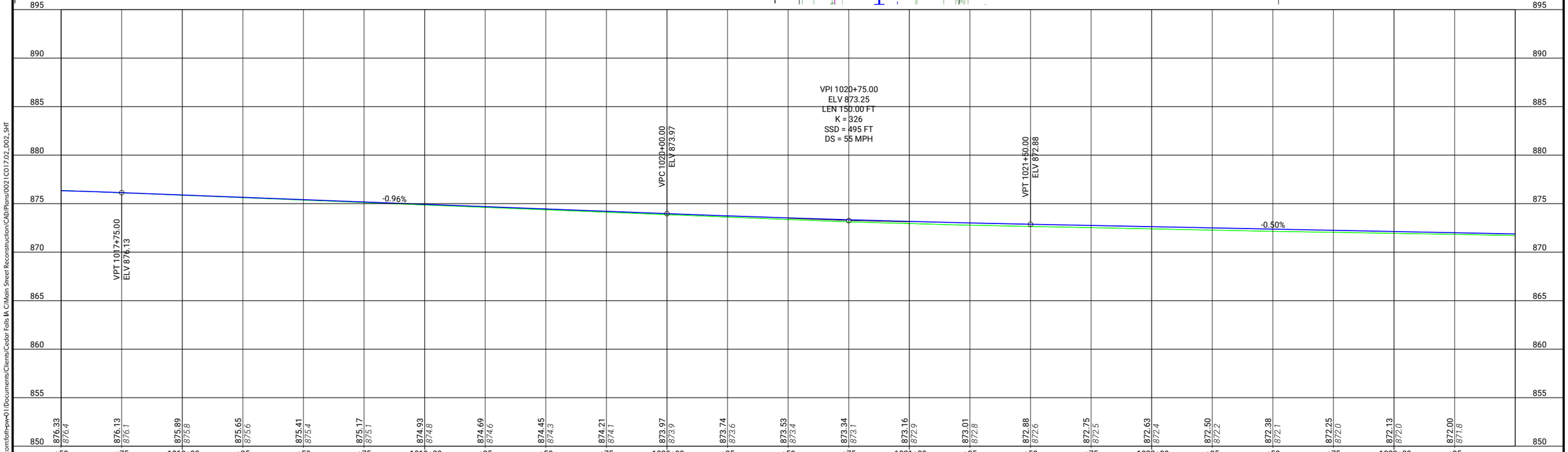
Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
PLAN AND PROFILE

SHEET NO.
D.4
STBG-SWAP-1185(657





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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
PLAN AND PROFILE

SHEET NO.
D.5

STBG-SWAP-1185(657

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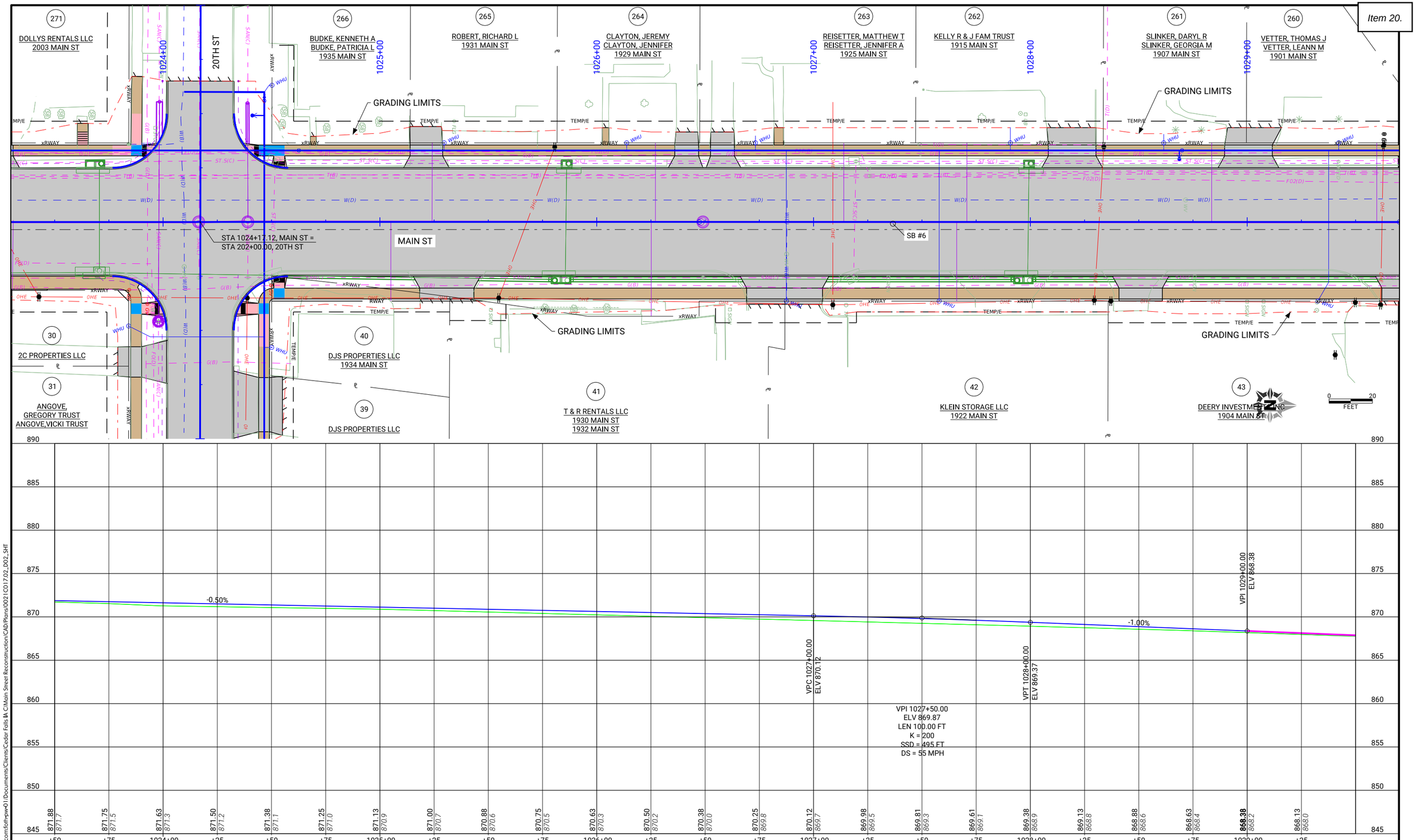

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
PLAN AND PROFILE

SHEET NO.
D.6
STBG-SWAP-1185(657

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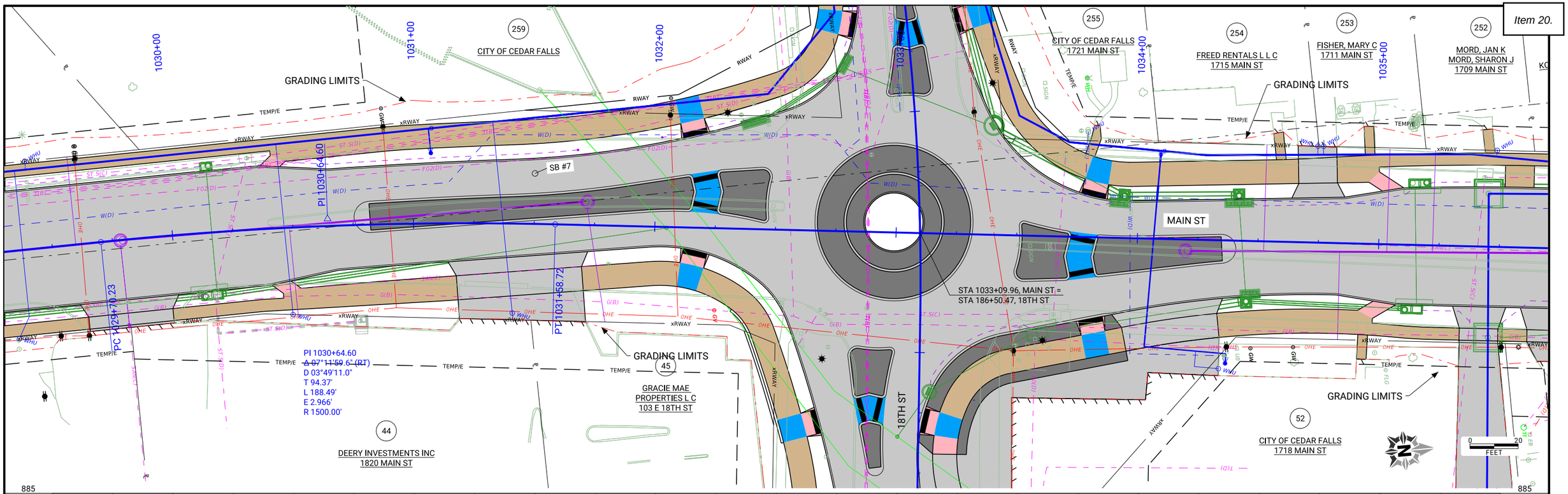

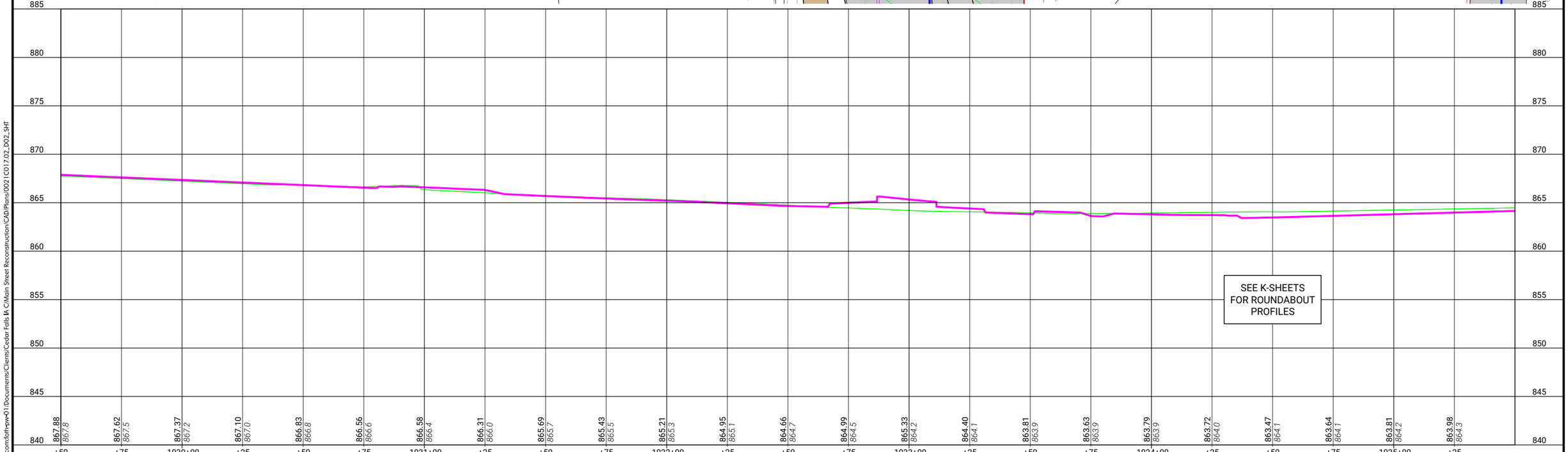

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
PLAN AND PROFILE

SHEET NO.
D.7

STBG-SWAP-1185(657)

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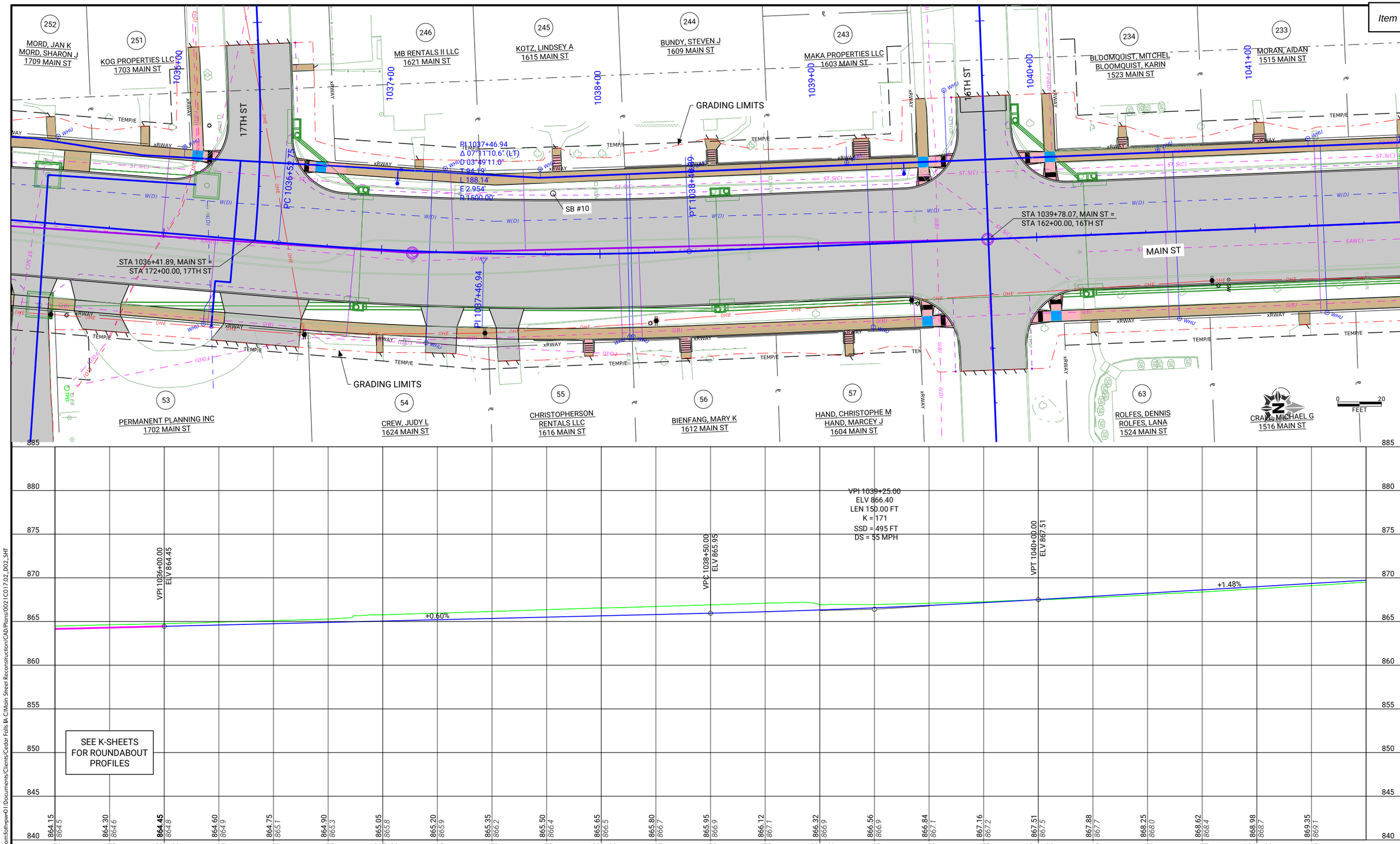

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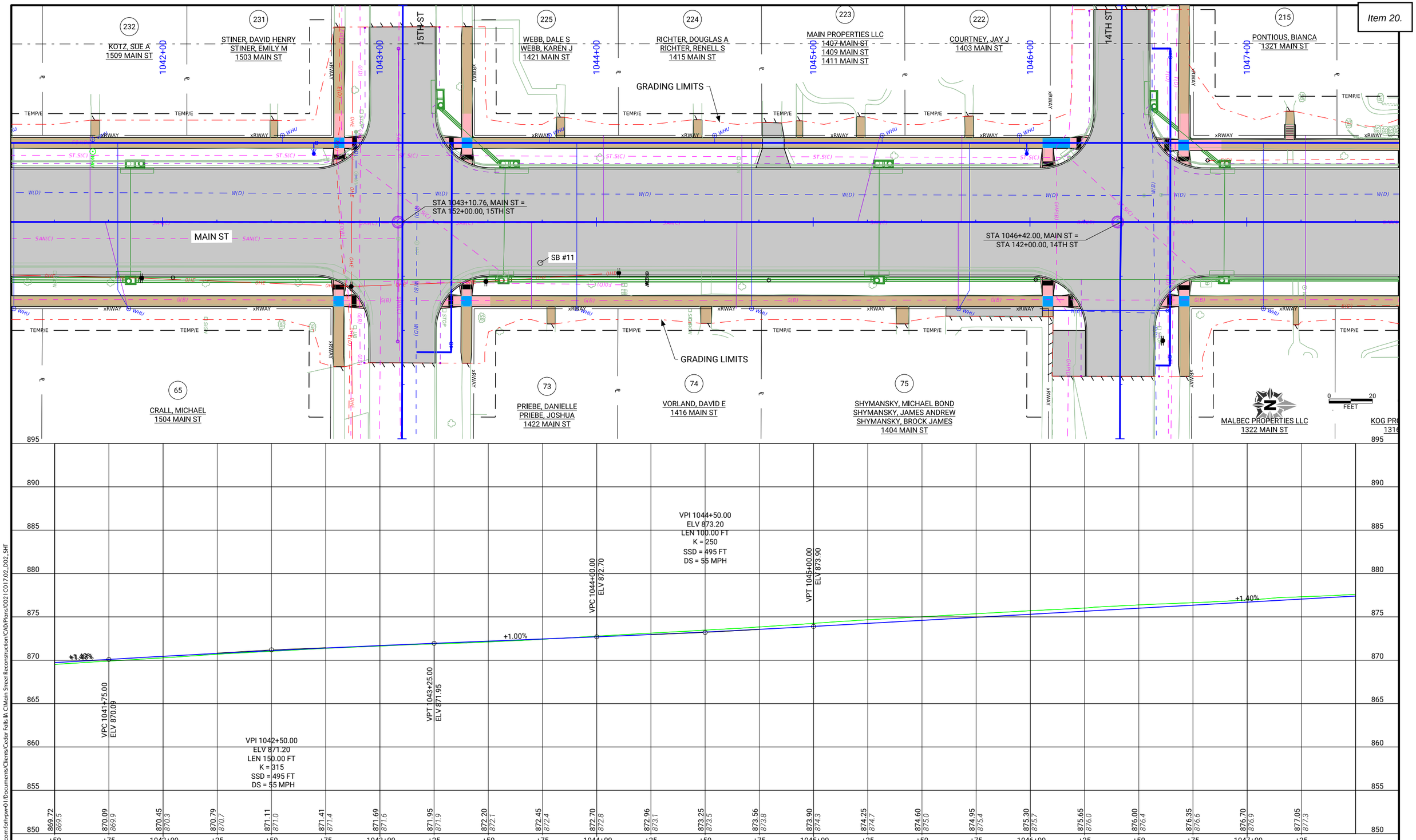
NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
PLAN AND PROFILE

SHEET NO.
D.8
STBG-SWAP-1185(657



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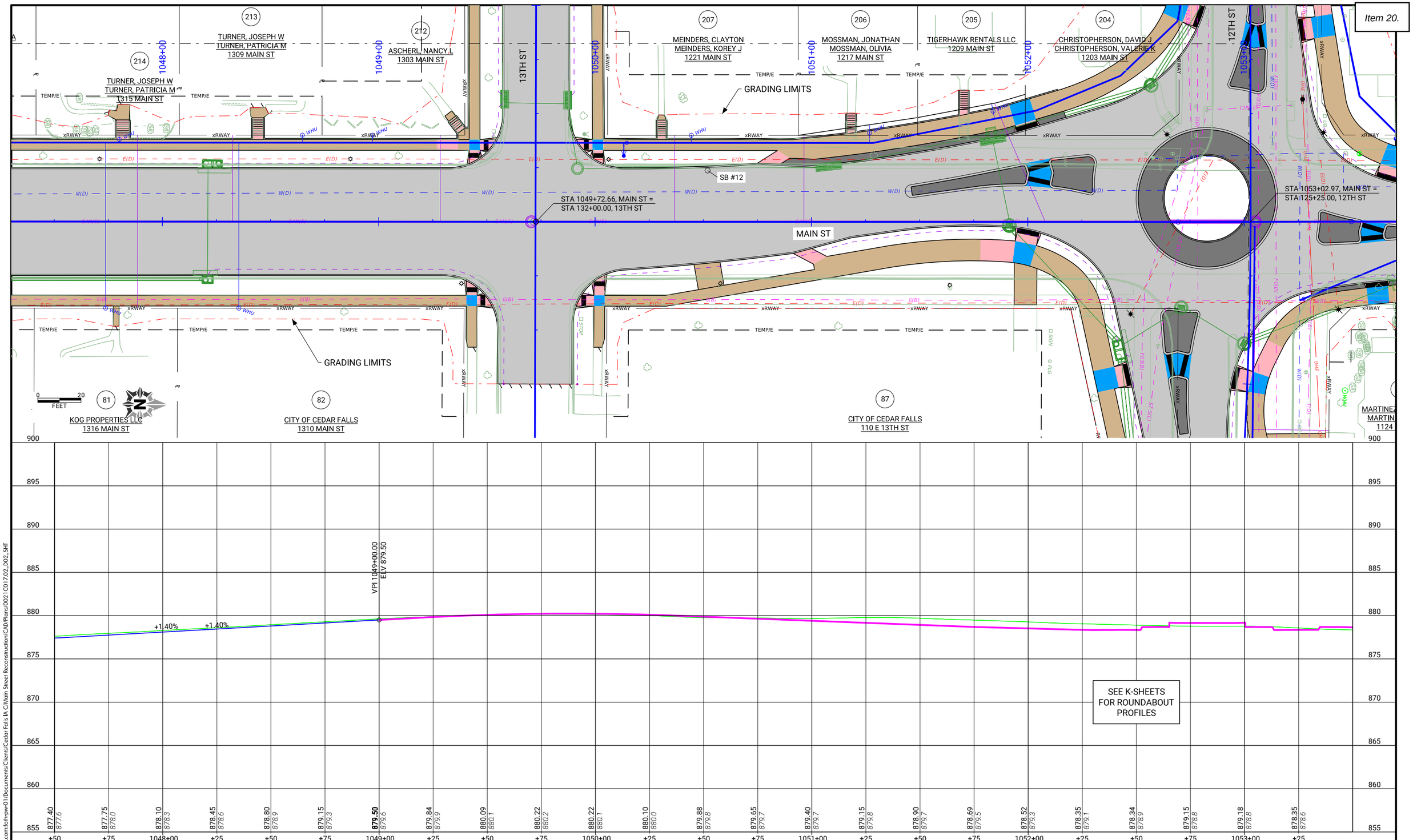
NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
PLAN AND PROFILE

SHEET NO.
D.9



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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
PLAN AND PROFILE

SHEET NO.
D.10
STBG-SWAP-1185(657

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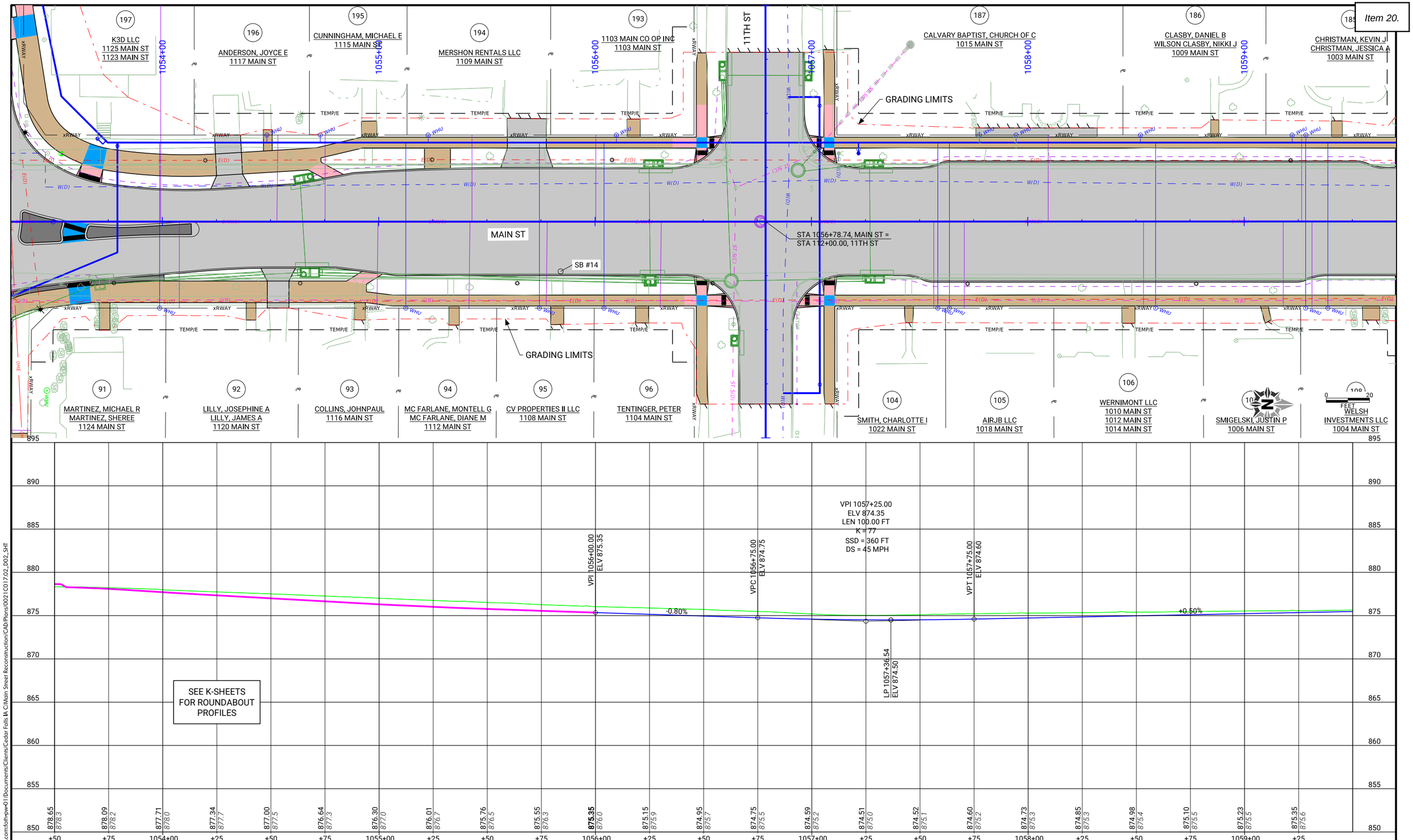

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
PLAN AND PROFILE

SHEET NO.
D.11

STBG-SWAP-1185(657

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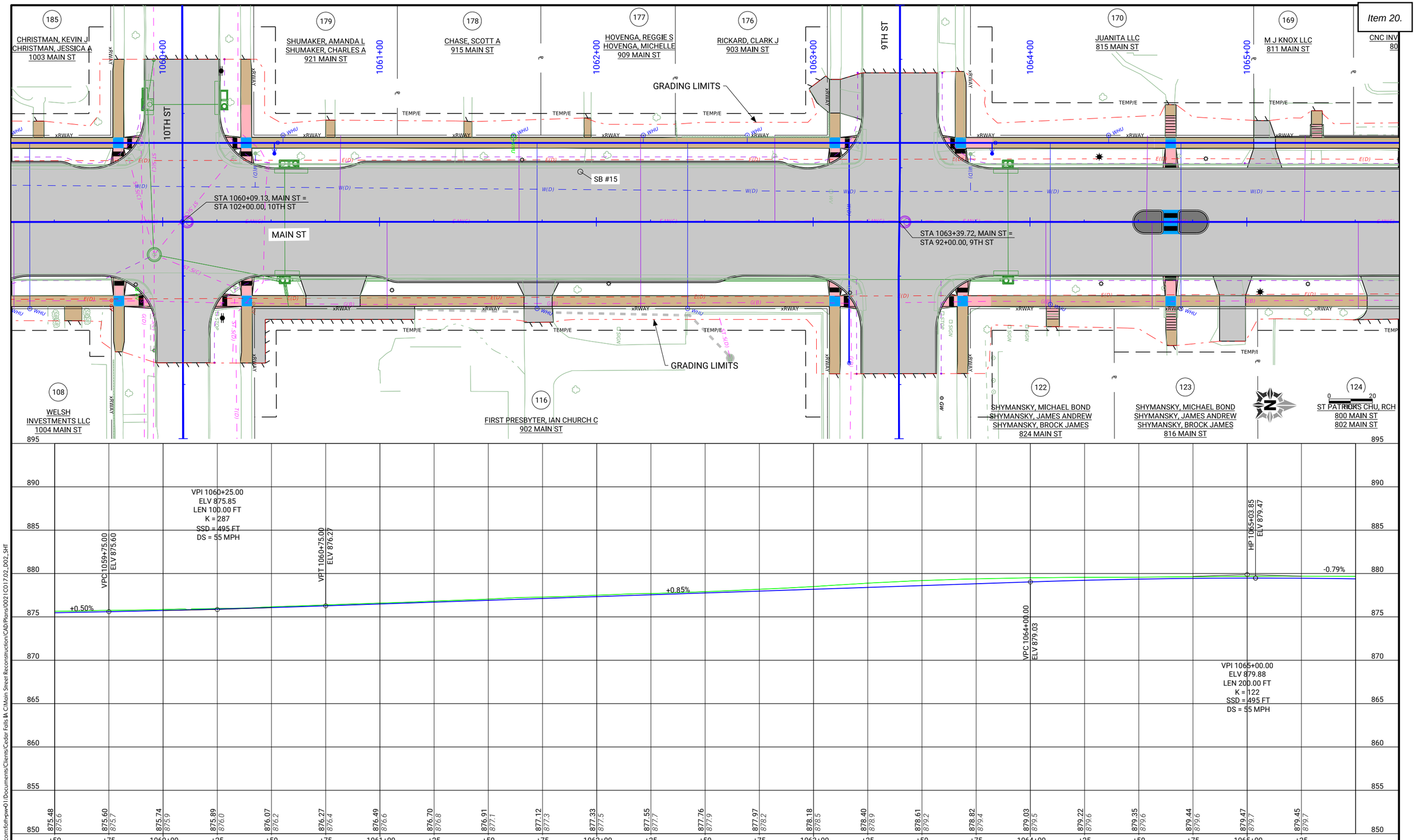

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
PLAN AND PROFILE

SHEET NO.
D.12
STBG-SWAP-1185(657

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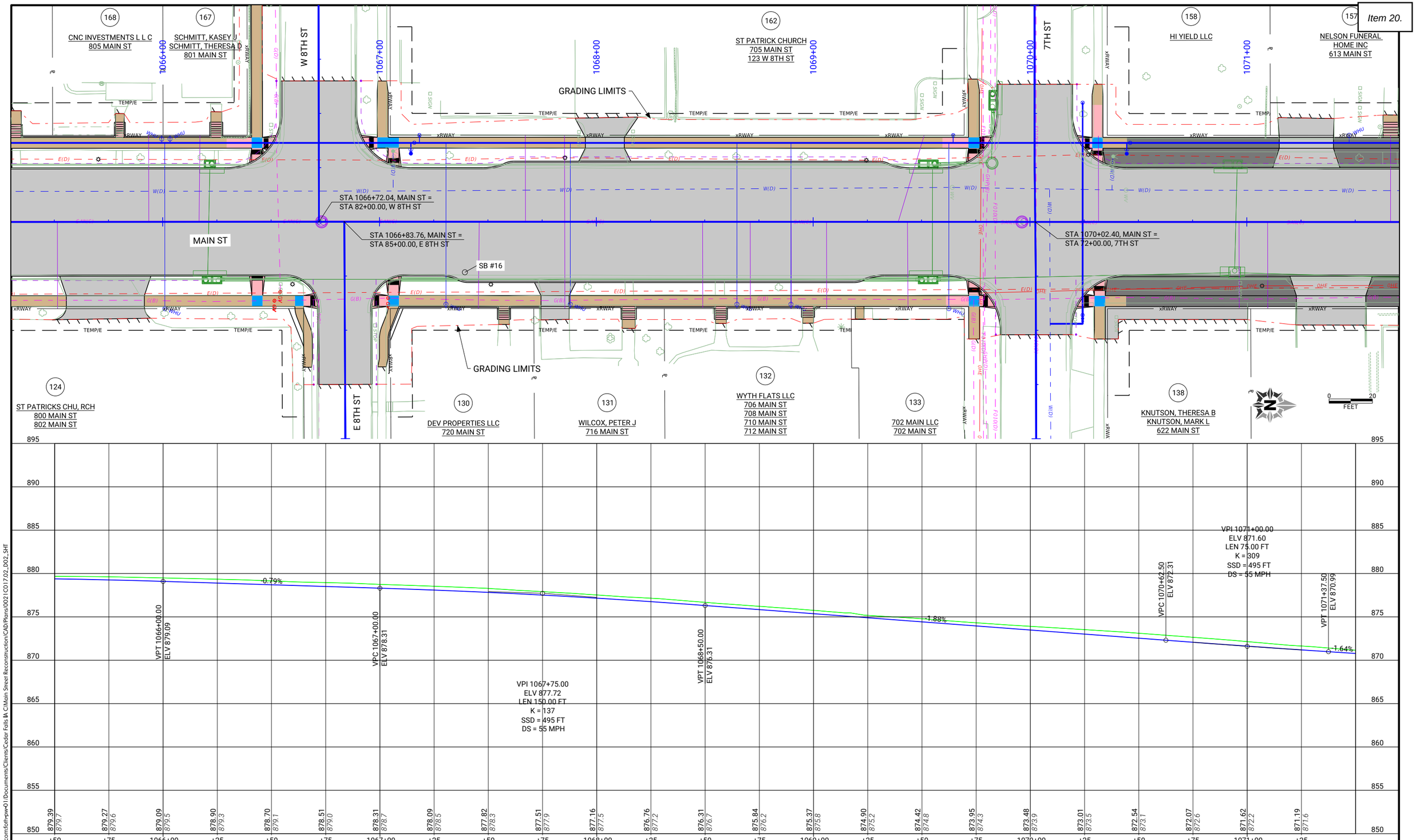

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
PLAN AND PROFILE

SHEET NO.
D.13

STBG-SWAP-1185(657

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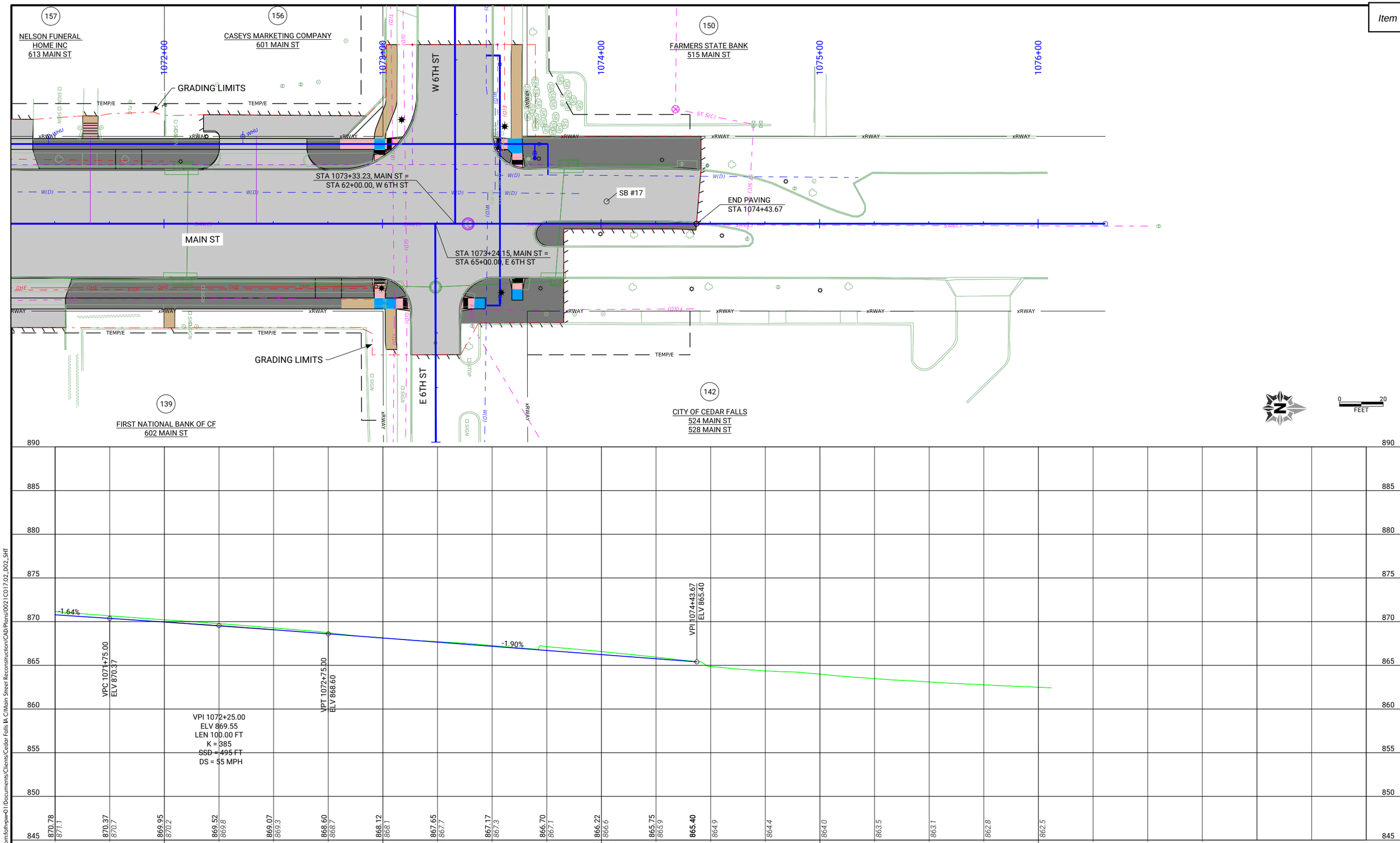

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
PLAN AND PROFILE

SHEET NO.
D.14

STBG-SWAP-1185(657

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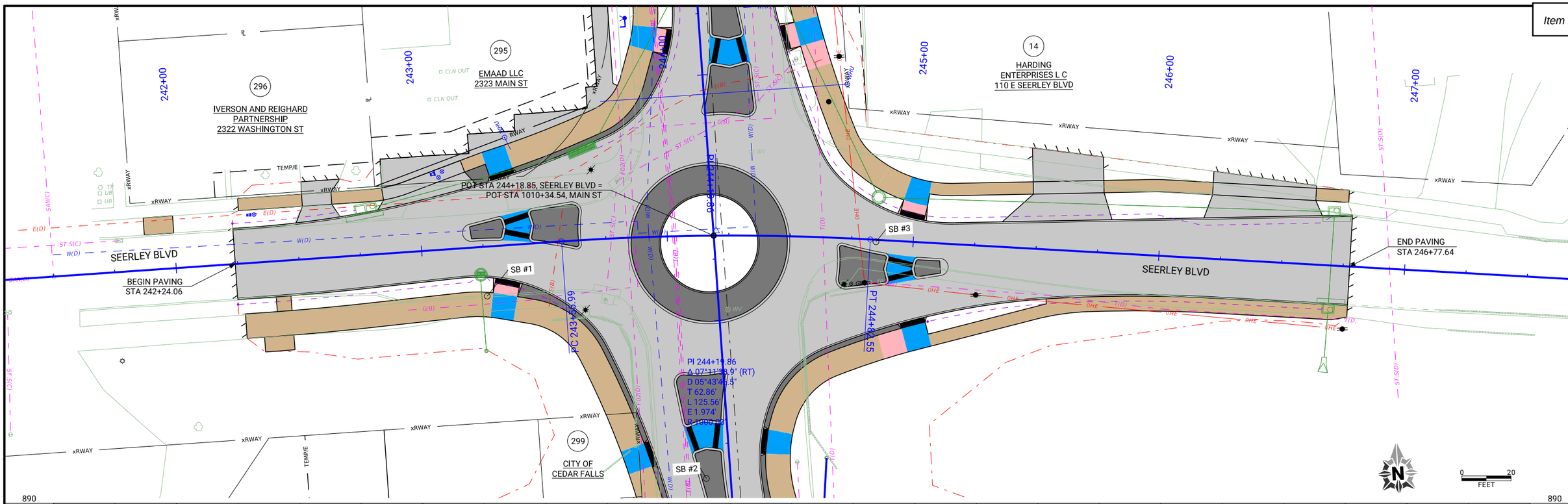

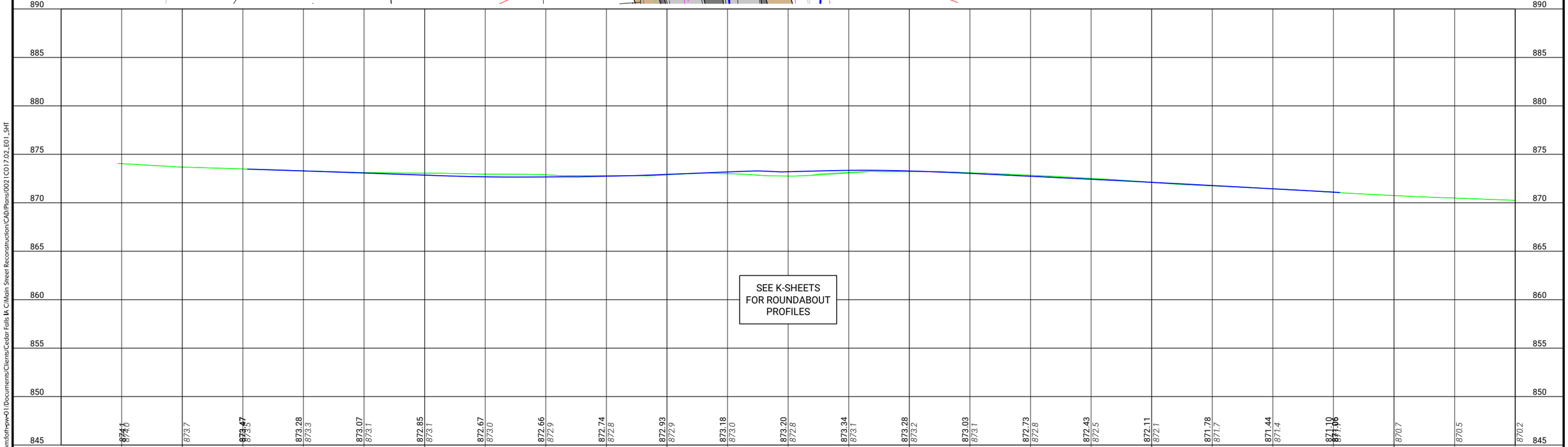

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

SEERLEY BOULEVARD
PLAN AND PROFILE

SHEET NO.
E.1

STBG-SWAP-1185(657)

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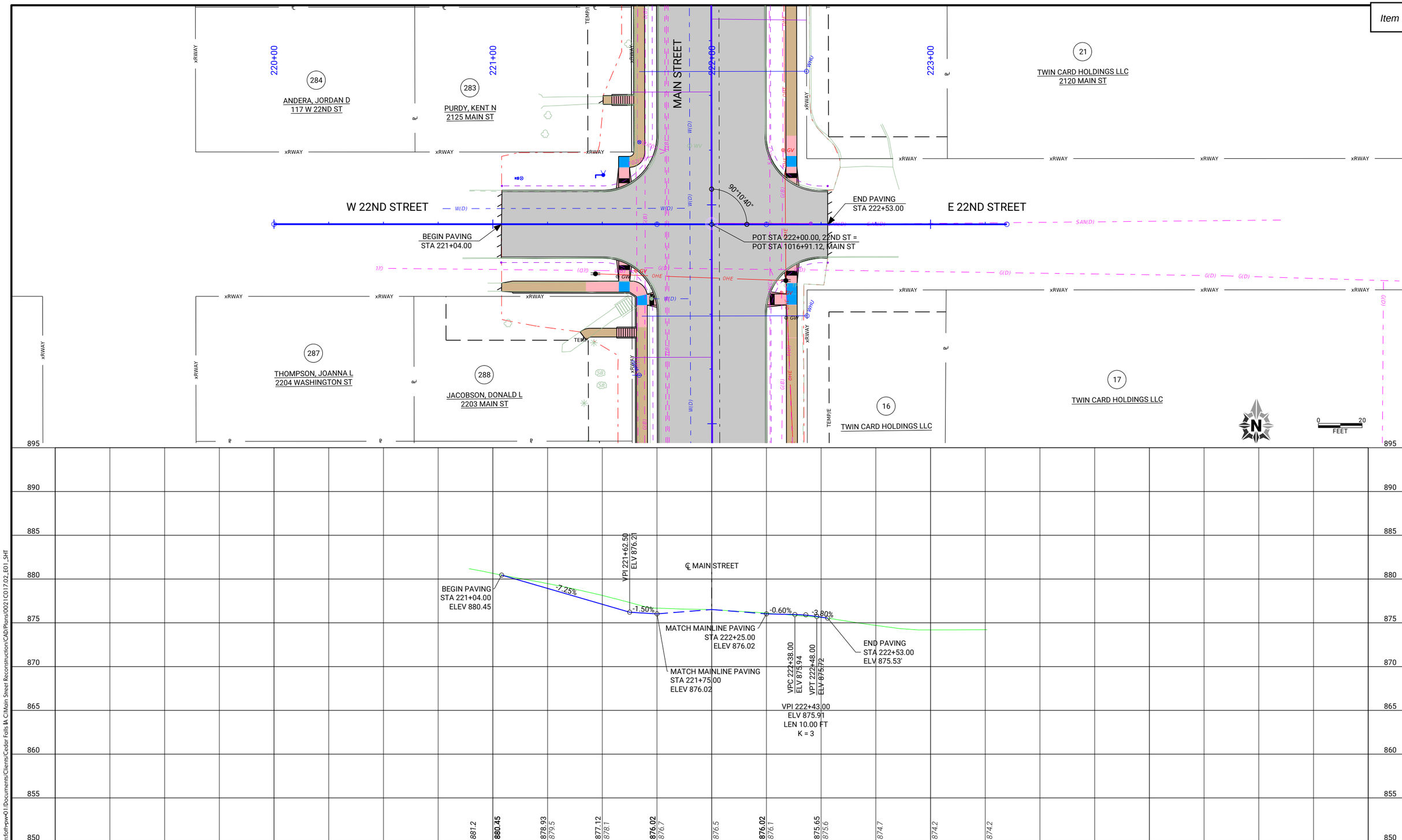

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DESIGNED BY: T. LECLAIR	CHECKED BY: C. CARPER	DRAWN BY: A. MUENCH	
LETTING DATE: 11/15/2022	CAD DATE: 8/26/2022	4:06:23 PM	
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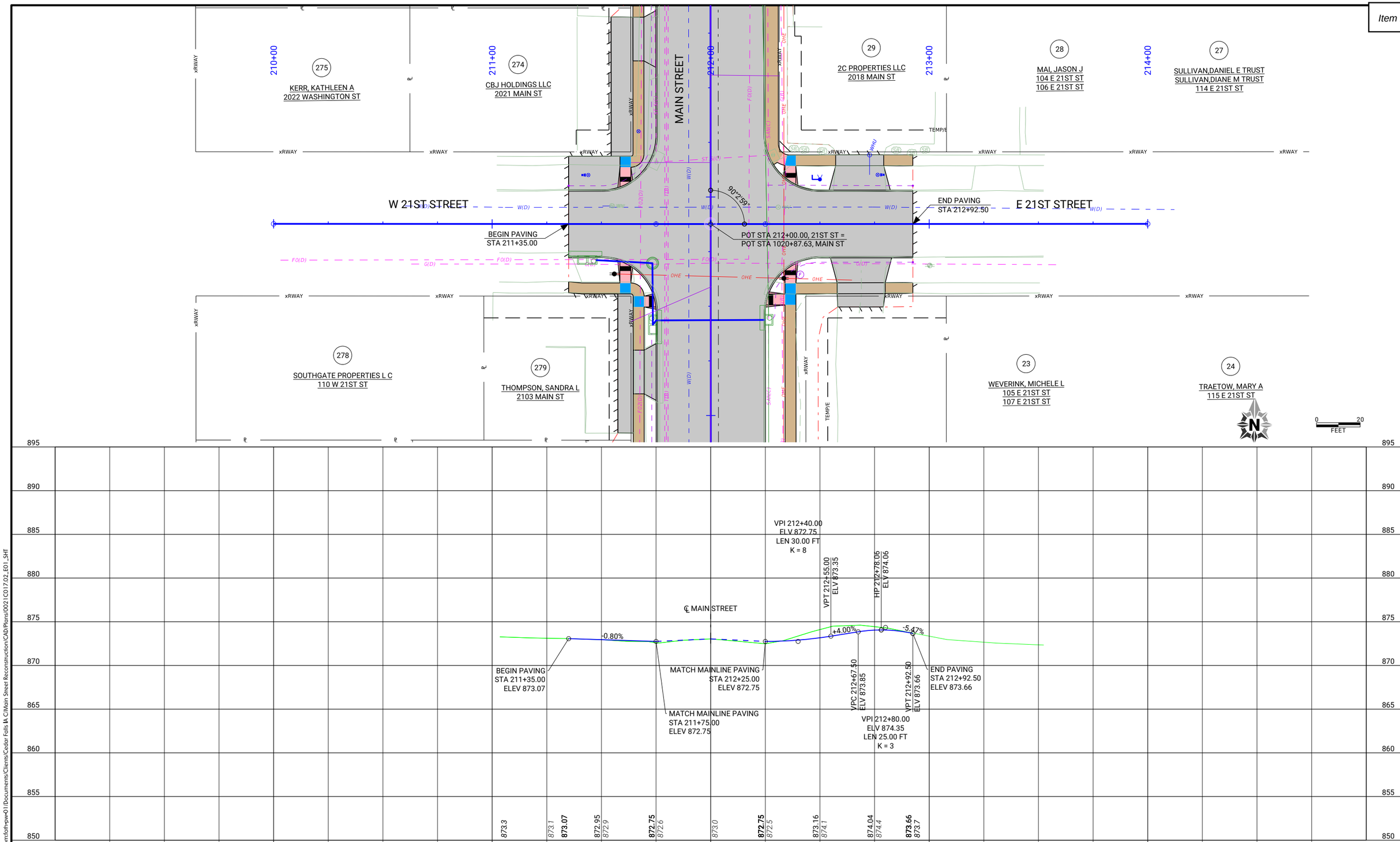
NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

22ND STREET
PLAN AND PROFILE

SHEET NO.
E.2
STBG-SWAP-1185(657



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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

21ST STREET
PLAN AND PROFILE

SHEET NO.
E.3

STBG-SWAP-1185(657

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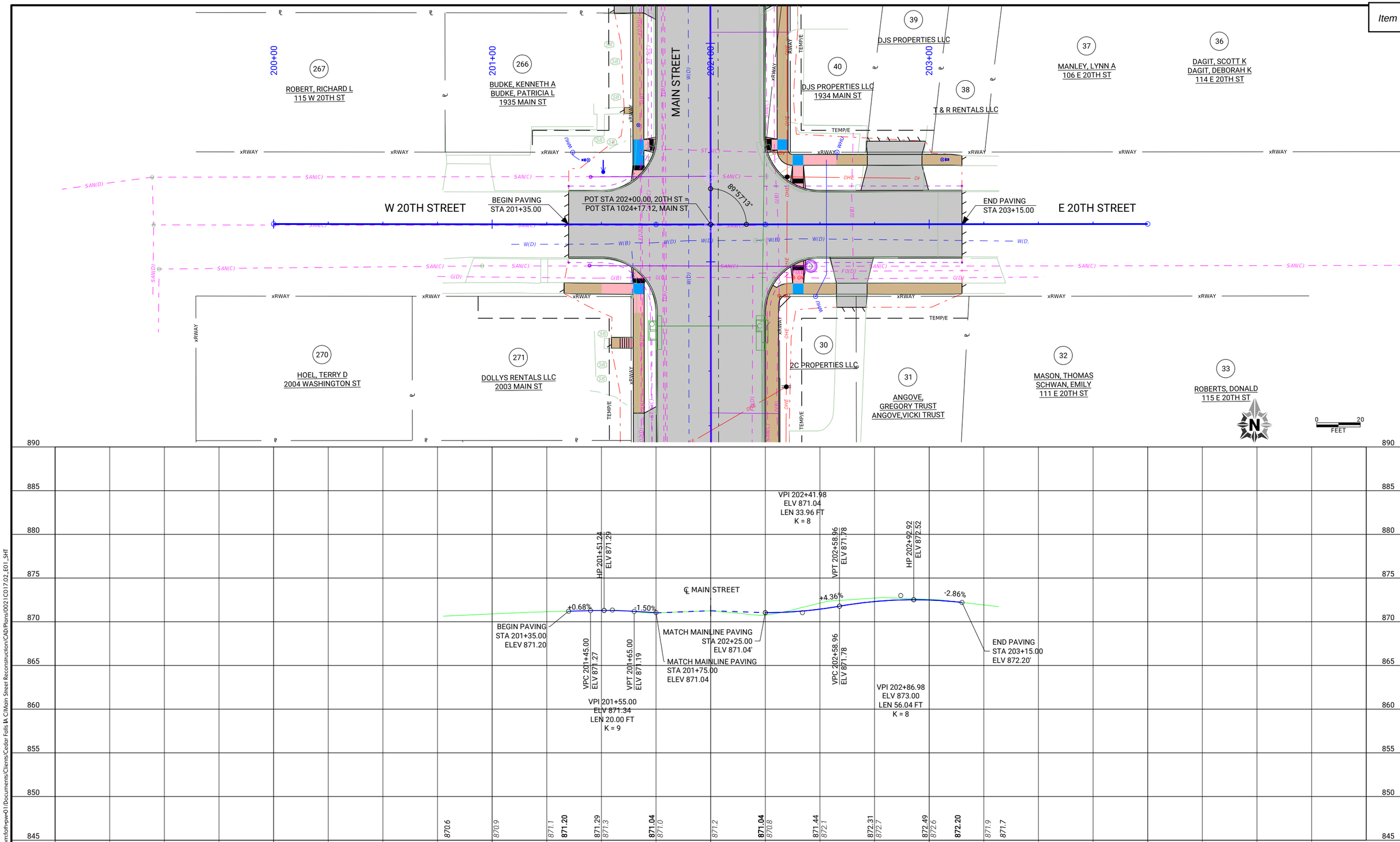

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

20TH STREET
PLAN AND PROFILE

SHEET NO.
E.4
STBG-SWAP-1185(657

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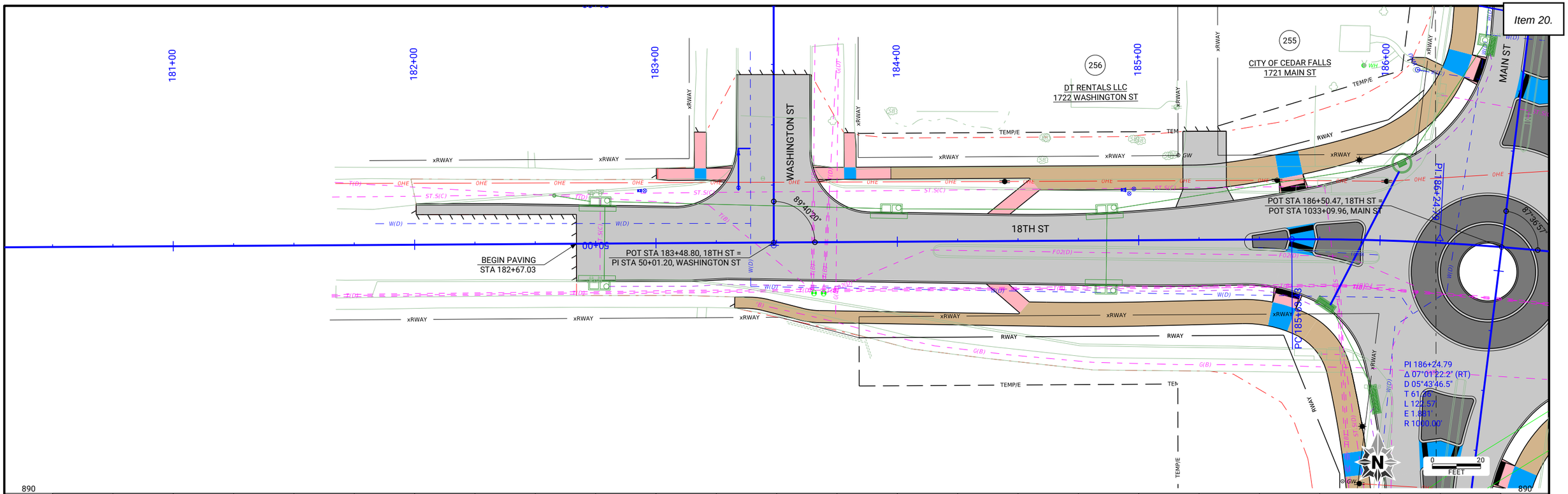

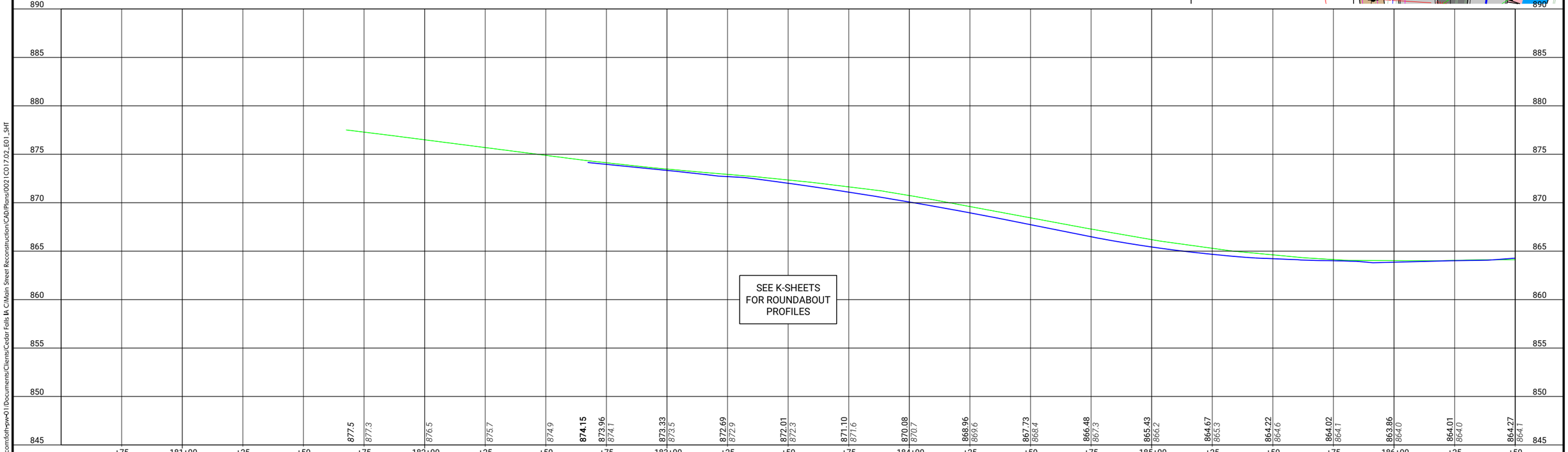

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DESIGNED BY: T. LECLAIR CHECKED BY: C. CARPER DRAWN BY: A. MUENCH
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

18TH STREET
PLAN AND PROFILE

SHEET NO.
E.5

STBG-SWAP-1185(657

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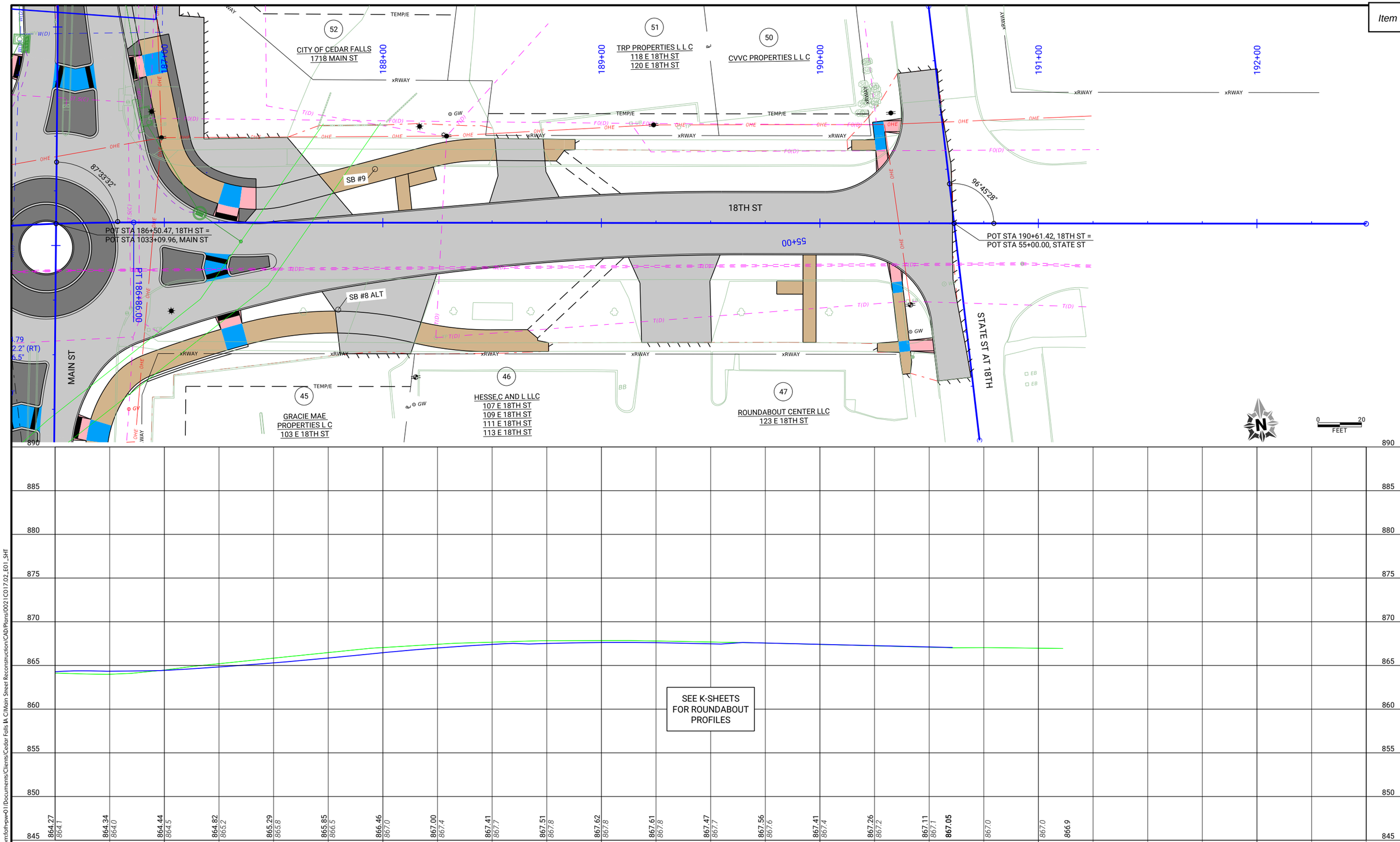

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

18TH STREET
PLAN AND PROFILE

SHEET NO.
E.6

STBG-SWAP-1185(657)

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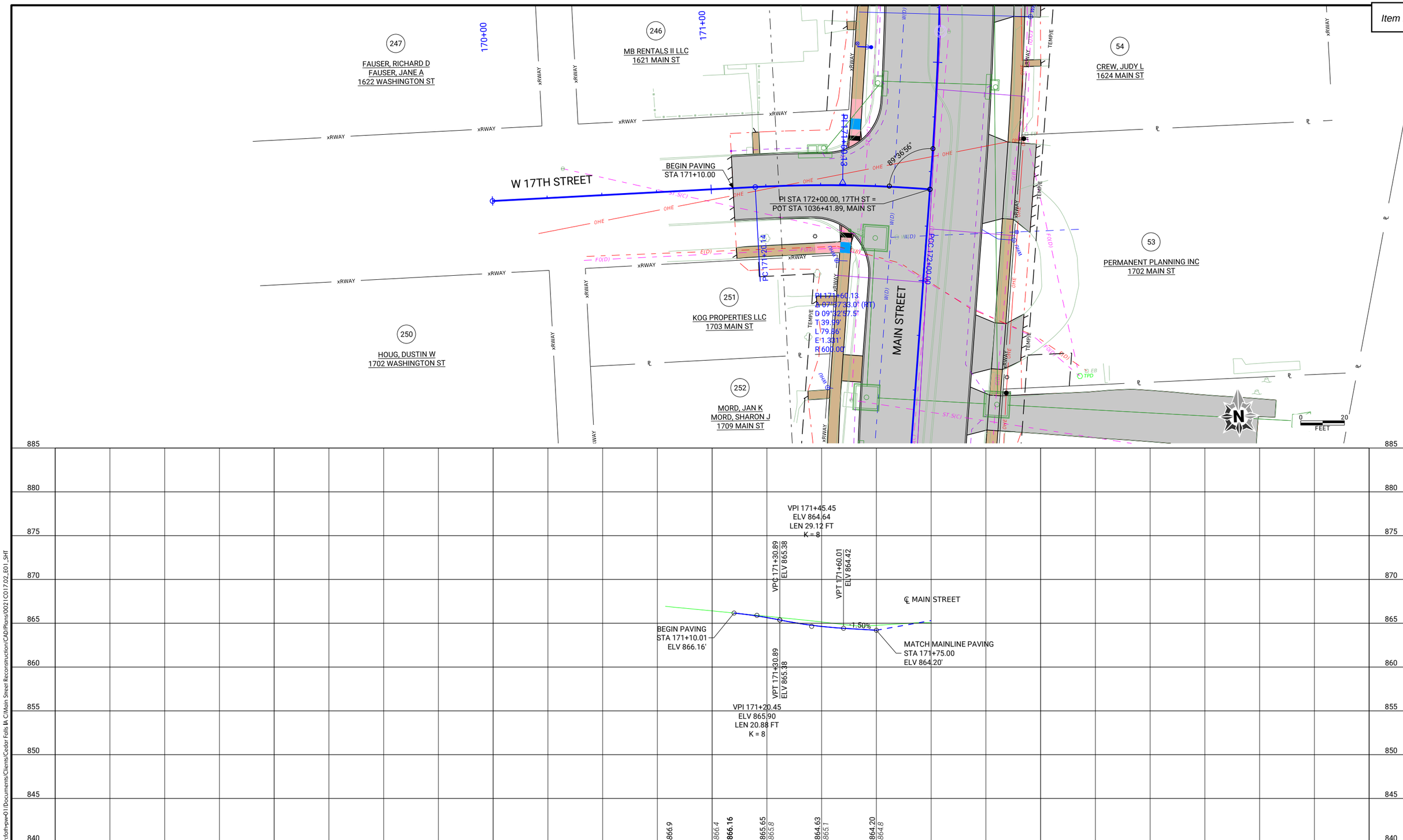

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

W 17TH STREET
PLAN AND PROFILE

SHEET NO.
E.7
STBG-SWAP-1185(657)

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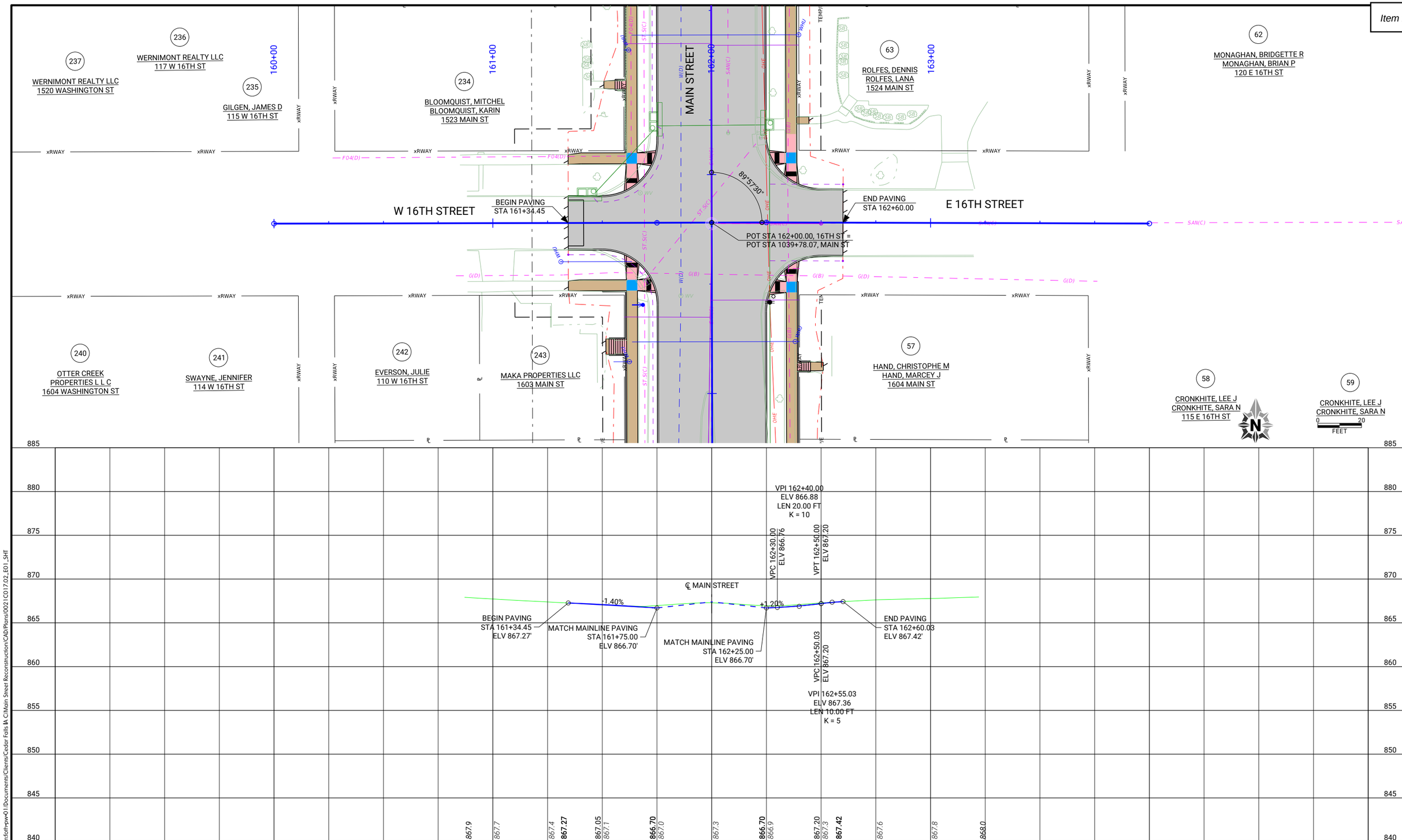

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: T. LECLAIR	CHECKED BY: C. CARPER	DRAWN BY: A. MUENCH	
LETTING DATE: 11/15/2022	CAD DATE: 8/26/2022	4:07:01 PM	
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NO	DATE	BY	REVISION DESCRIPTION

Foth

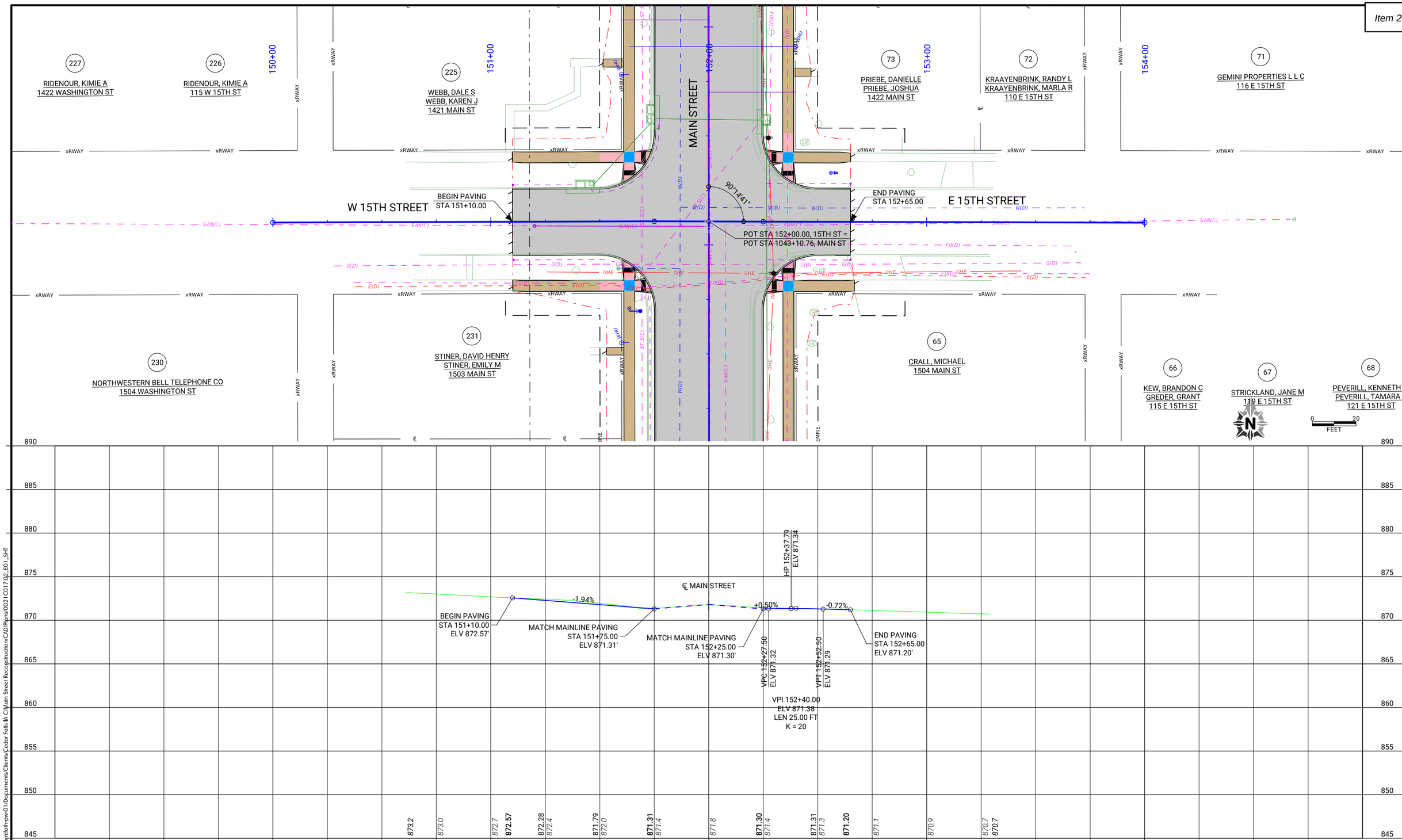
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

16TH STREET
PLAN AND PROFILE

SHEET NO.
E.8

STBG-SWAP-1185(657)

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Falls IA C/Main Street Reconstruction/CAD/Plans\0021C017.02_E01_SHT



CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: T. LECLAIR	CHECKED BY: C. CARPER	DRAWN BY: A. MUENCH	
LETTING DATE: 11/15/2022	CAD DATE: 8/26/2022	4:07:08 PM	
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

15TH STREET
PLAN AND PROFILE

SHEET NO.
E.9

STBG-SWAP-1185(657)

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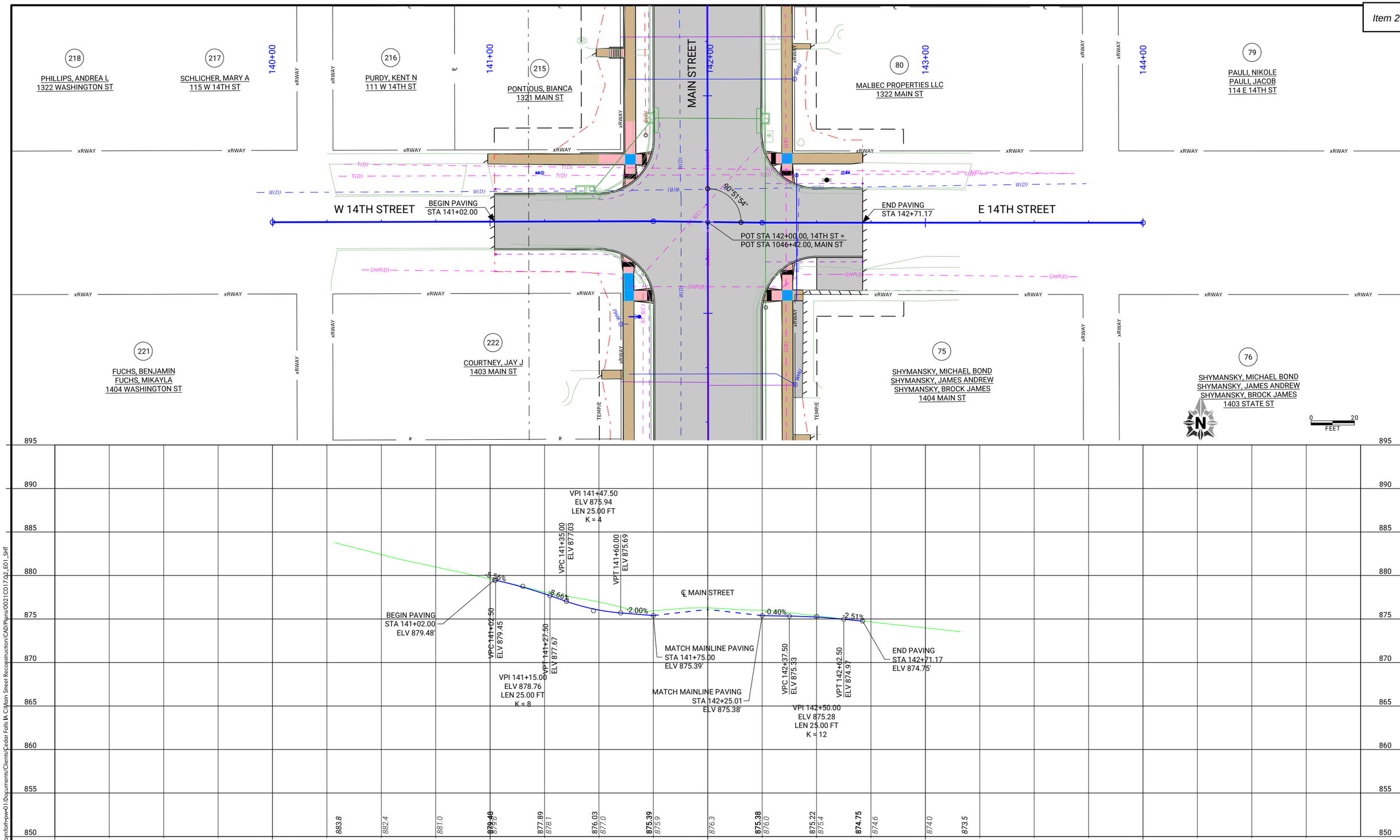

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

14TH STREET
PLAN AND PROFILE

SHEET NO.
E.10

STBG-SWAP-1185(657)

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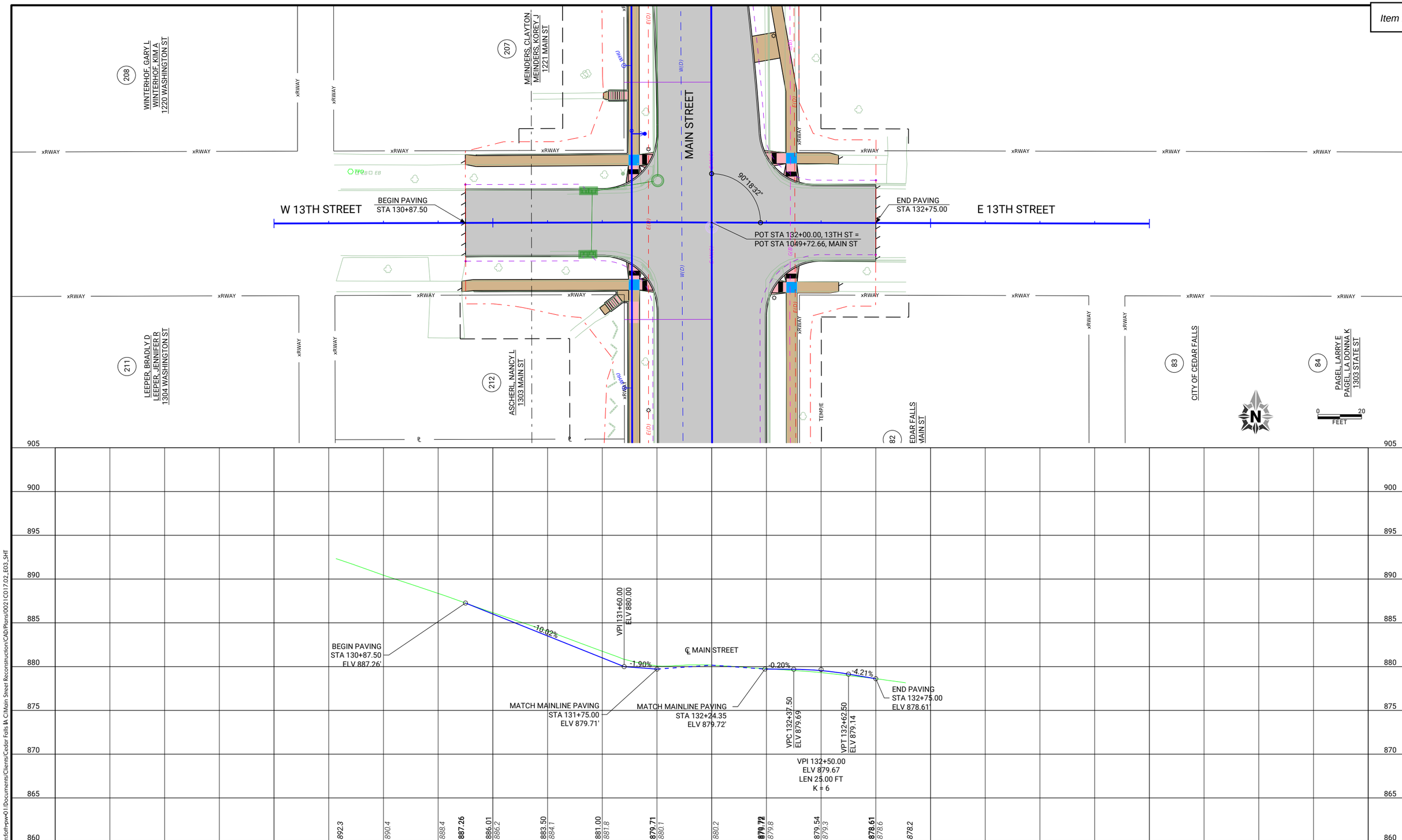

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: T. LECLAIR	CHECKED BY: C. CARPER	DRAWN BY: A. MUENCH	
LETTING DATE: 11/15/2022	CAD DATE: 8/26/2022	4:07:39 PM	
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

13TH STREET
PLAN AND PROFILE

SHEET NO.
E.11

STBG-SWAP-1185(657)

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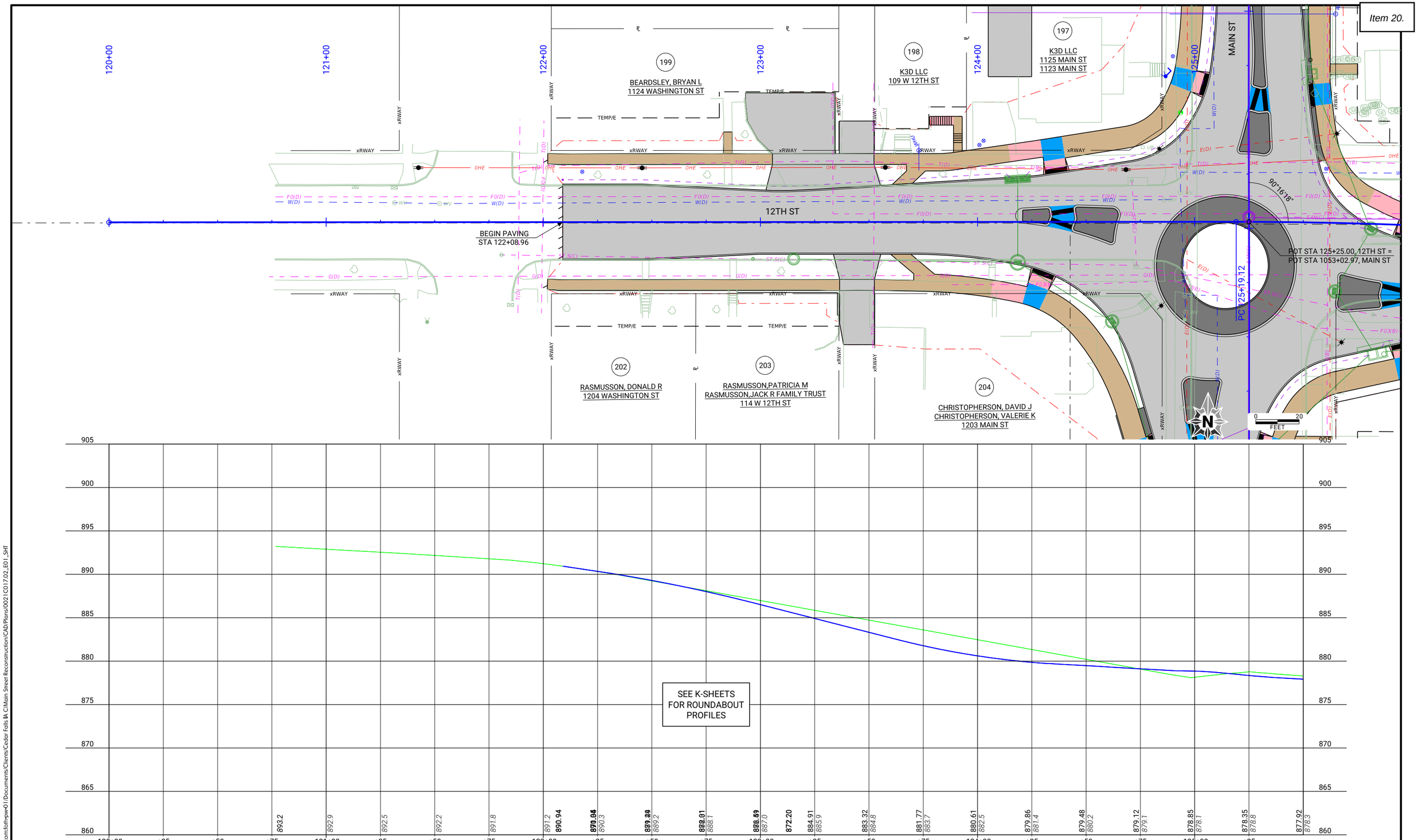

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: T. LECLAIR CHECKED BY: C. CARPER DRAWN BY: A. MUENCH
LETTING DATE: 11/15/2022 CAD DATE: 8/26/2022 4:08:17 PM
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

12TH STREET
PLAN AND PROFILE

SHEET NO.
E.12

STBG-SWAP-1185(657)

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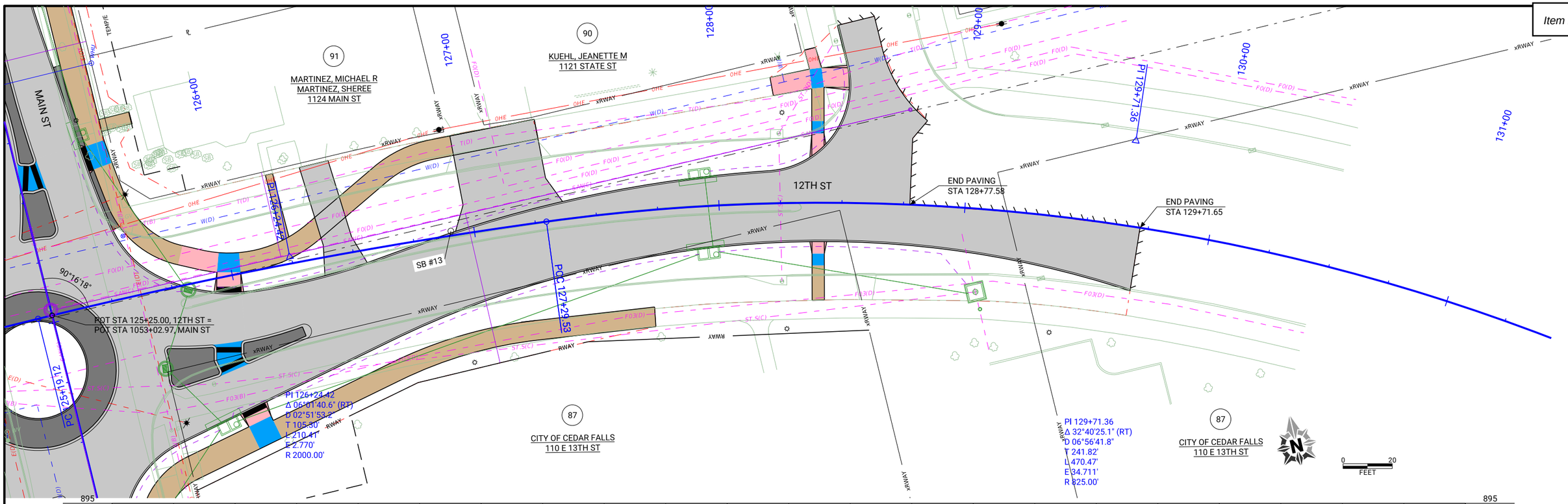

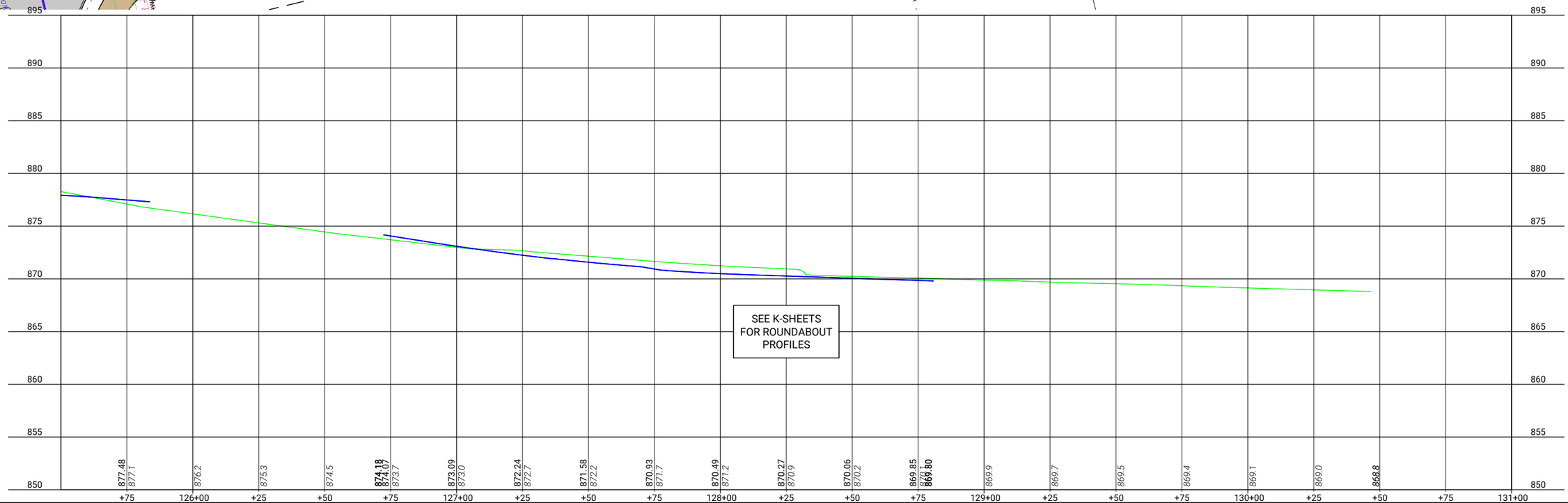

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: T. LECLAIR CHECKED BY: C. CARPER DRAWN BY: A. MUENCH
LETTING DATE: 11/15/2022 CAD DATE: 9/6/2022 1:52:49 PM
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NO	DATE	BY	REVISION DESCRIPTION

Foth

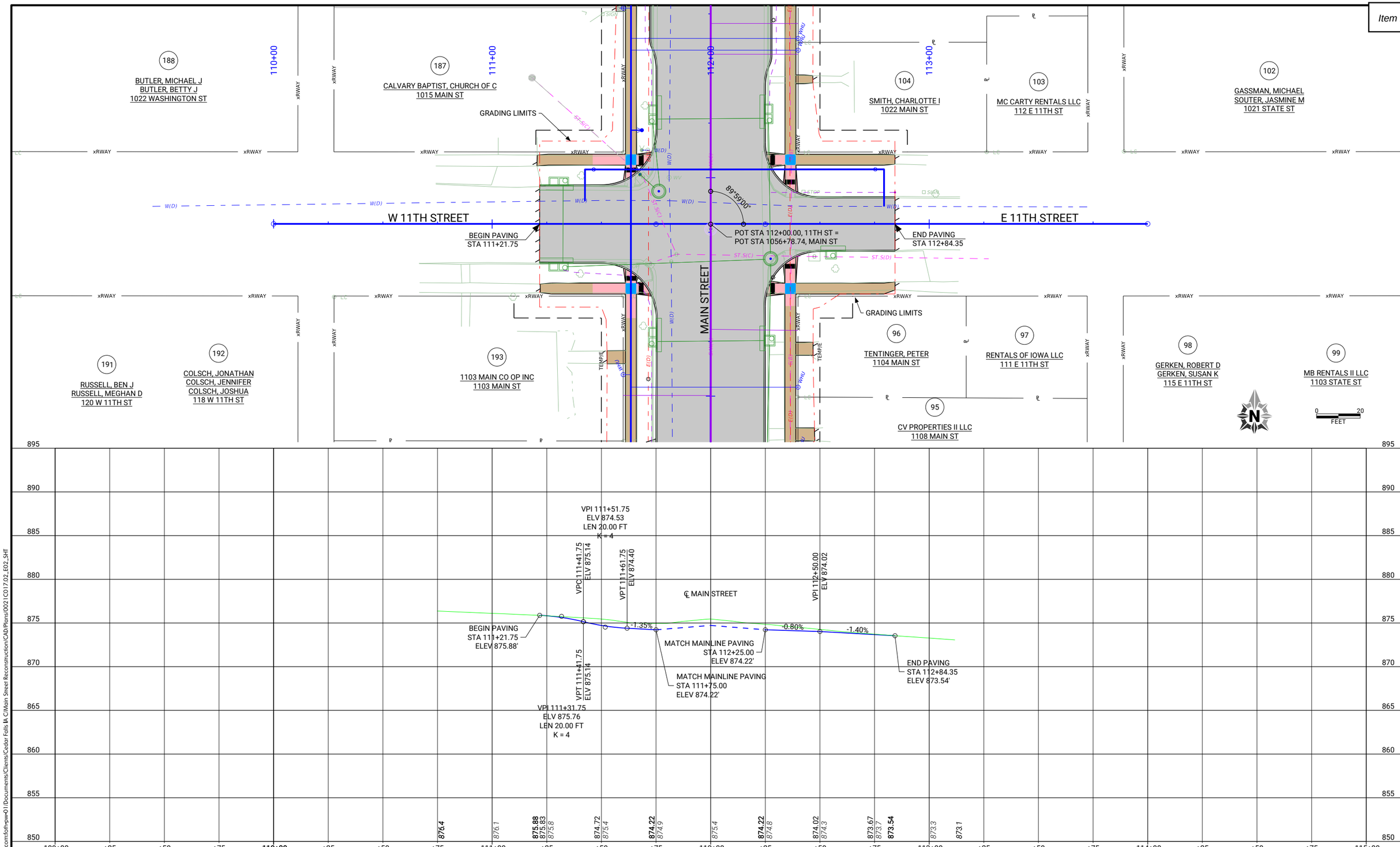
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

12TH STREET
PLAN AND PROFILE

SHEET NO.
E.13

STBG-SWAP-1185(657)

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Falls IA C/Main Street Reconstruction/CAD/Plans/0021C017.02_E01_SHT



CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: T. LECLAIR	CHECKED BY: C. CARPER	DRAWN BY: A. MUENCH	
LETTING DATE: 11/15/2022	CAD DATE: 8/26/2022	4:09:24 PM	
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NO	DATE	BY	REVISION DESCRIPTION

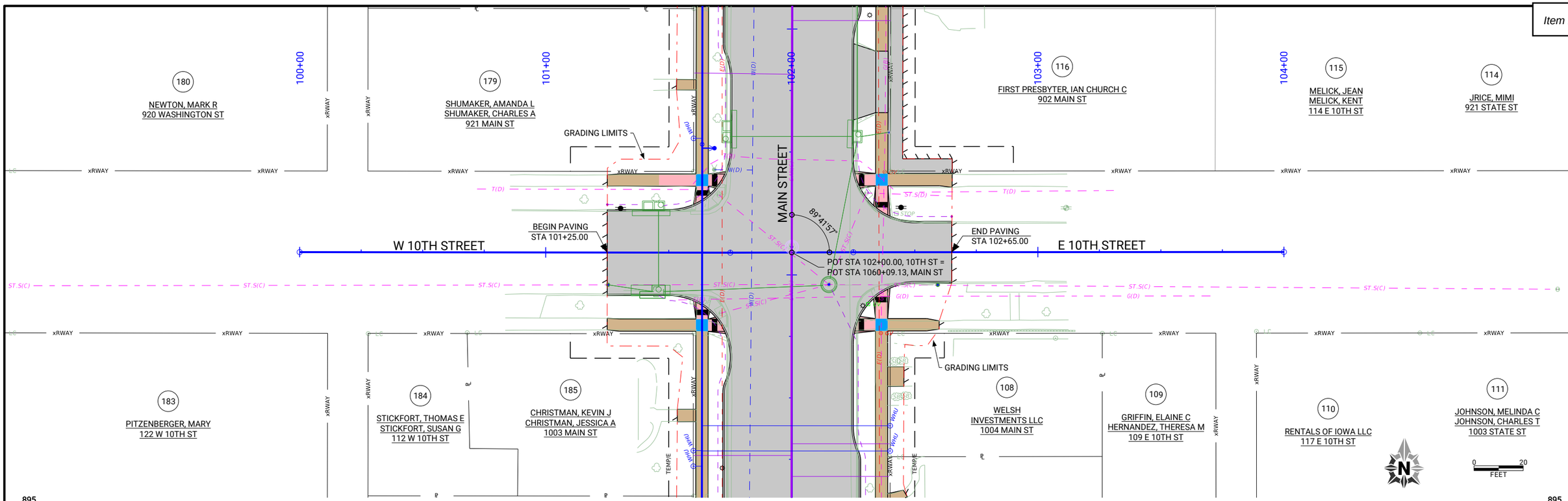
Foth

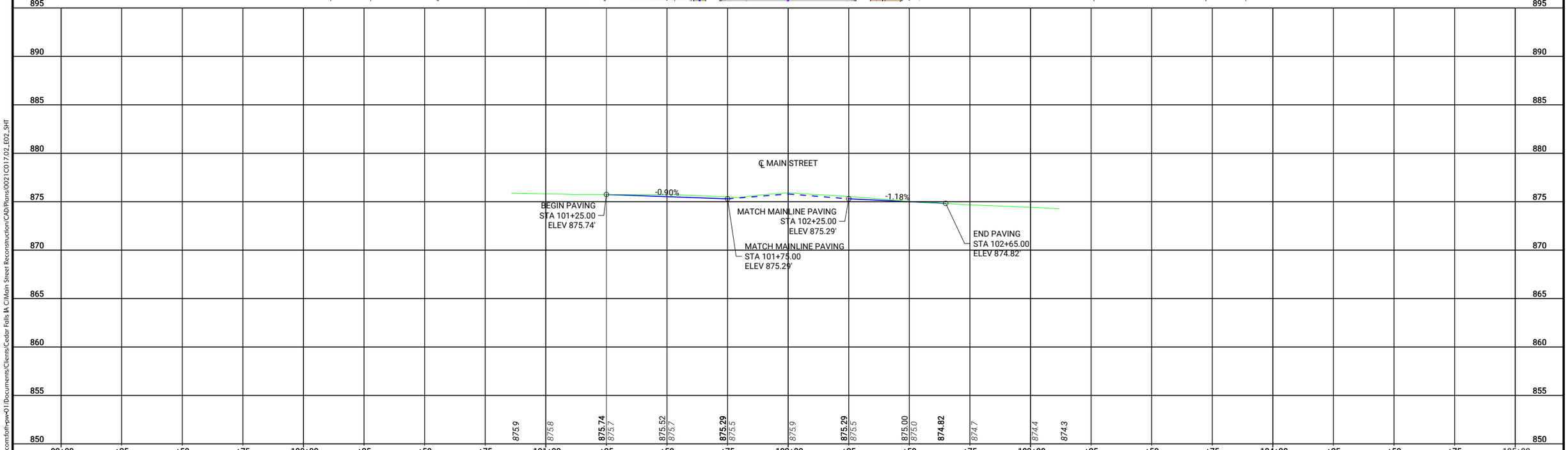
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

11TH STREET
PLAN AND PROFILE

SHEET NO.
E.14
STBG-SWAP-1185(657

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Falls IA C/Main Street Reconstruction/CAD/Plans/0021C017.02_E02_SHT





CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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LETTING DATE: 11/15/2022	CAD DATE: 8/26/2022	4:09:30 PM	
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NO	DATE	BY	REVISION DESCRIPTION

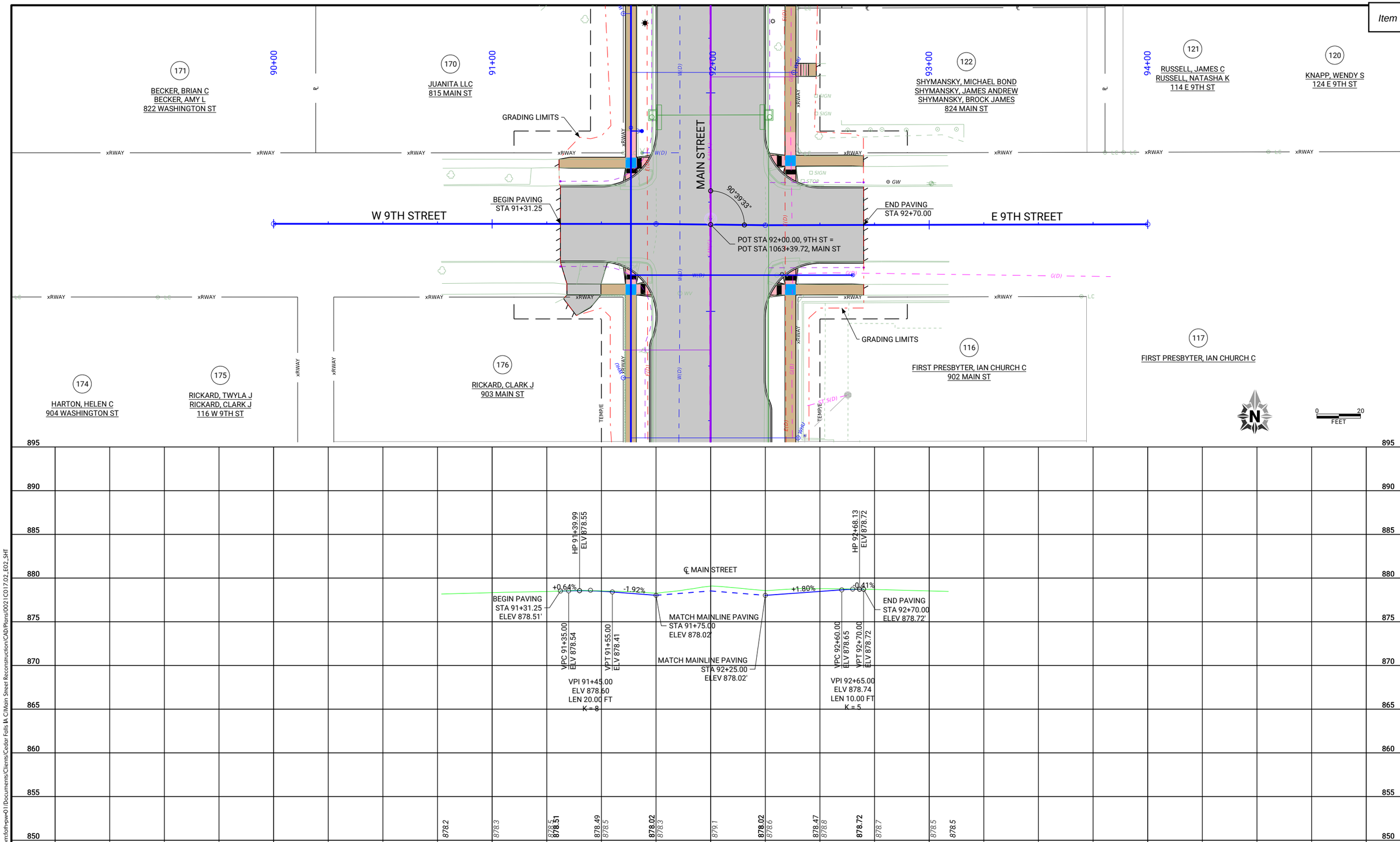
Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

10TH STREET
PLAN AND PROFILE

SHEET NO.
E.15
STBG-SWAP-1185(657

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Falls IA C/Main Street Reconstruction/CAD/Plans/0021C017.02_E02_SHT



CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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LETTING DATE: 11/15/2022	CAD DATE: 8/26/2022	4:09:33 PM	
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NO	DATE	BY	REVISION DESCRIPTION

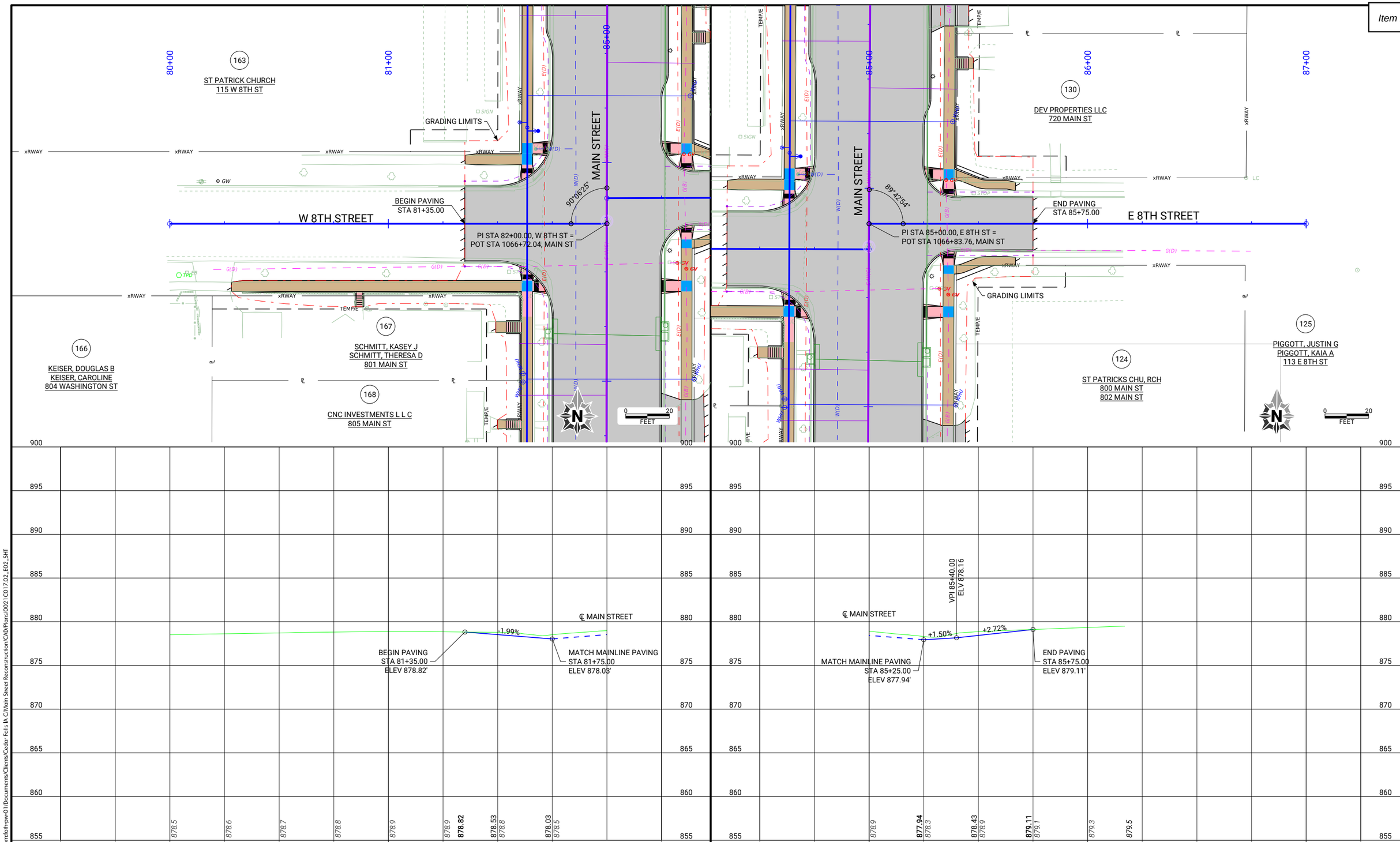
Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

9TH STREET
PLAN AND PROFILE

SHEET NO.
E.16
STBG-SWAP-1185(657

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Falls IA C/Main Street Reconstruction/CAD/Plans/0021C017.02_E02_SHT



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NO	DATE	BY	REVISION DESCRIPTION

Foth

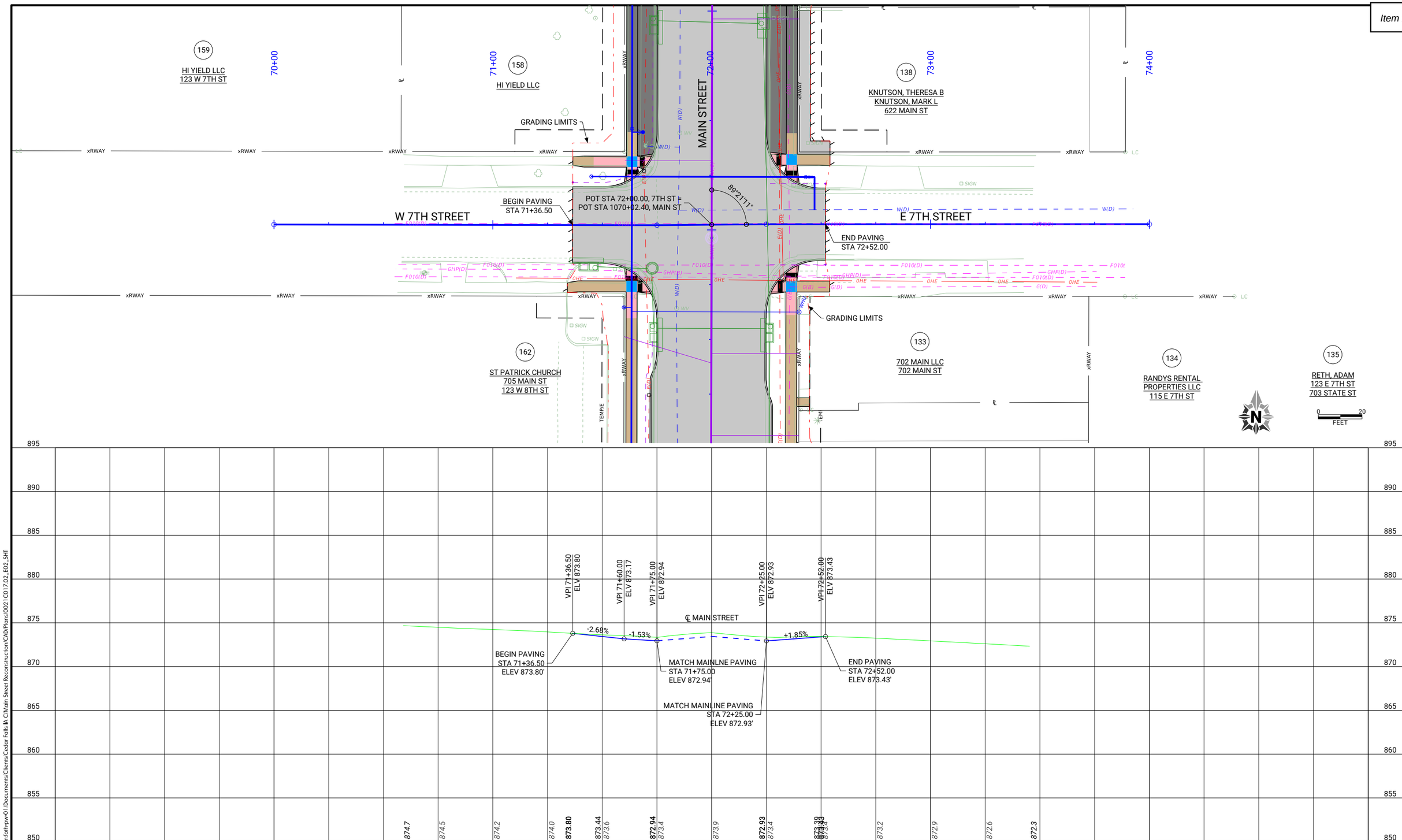
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

8TH STREET
PLAN AND PROFILE

SHEET NO.
E.17

STBG-SWAP-1185(657

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Falls IA C/Main Street Reconstruction/CAD/Plans/0021C017.02_E02_SHT



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NO	DATE	BY	REVISION DESCRIPTION

Foth

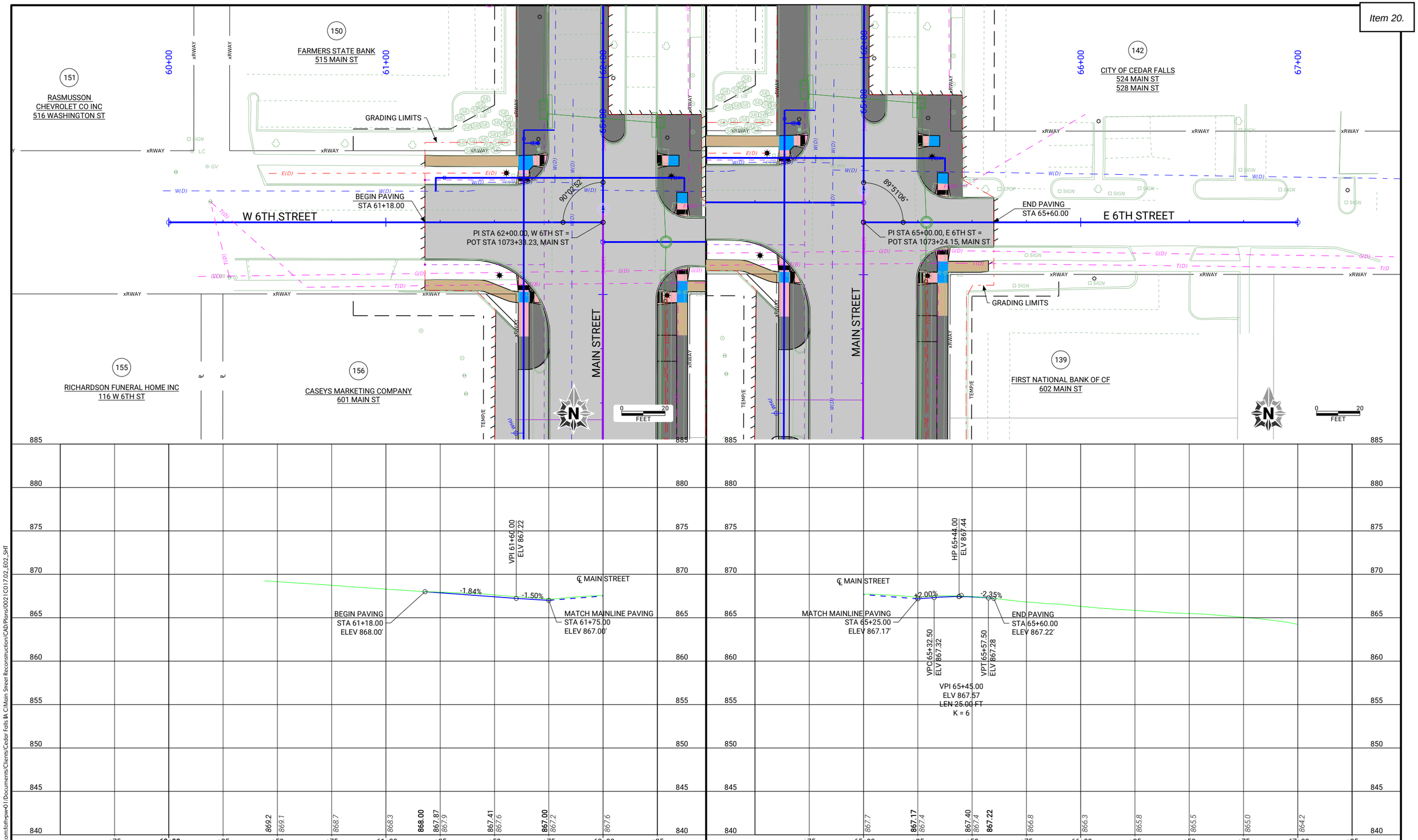
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

7TH STREET
PLAN AND PROFILE

SHEET NO.
E.18

STBG-SWAP-1185(657

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Falls IA C/Main Street Reconstruction/CAD/Plans/0021C017.02_E02_SHT



CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: T. LECLAIR CHECKED BY: C. CARPER DRAWN BY: A. MUENCH
LETTING DATE: 11/15/2022 CAD DATE: 8/26/2022 4:09:42 PM
CAD FILE: c:\pw_workdir\pw_ie\ttl\d05118375\0021C017.02_E02_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

6TH STREET
PLAN AND PROFILE

SHEET NO.
E.19

STBG-SWAP-1185(657

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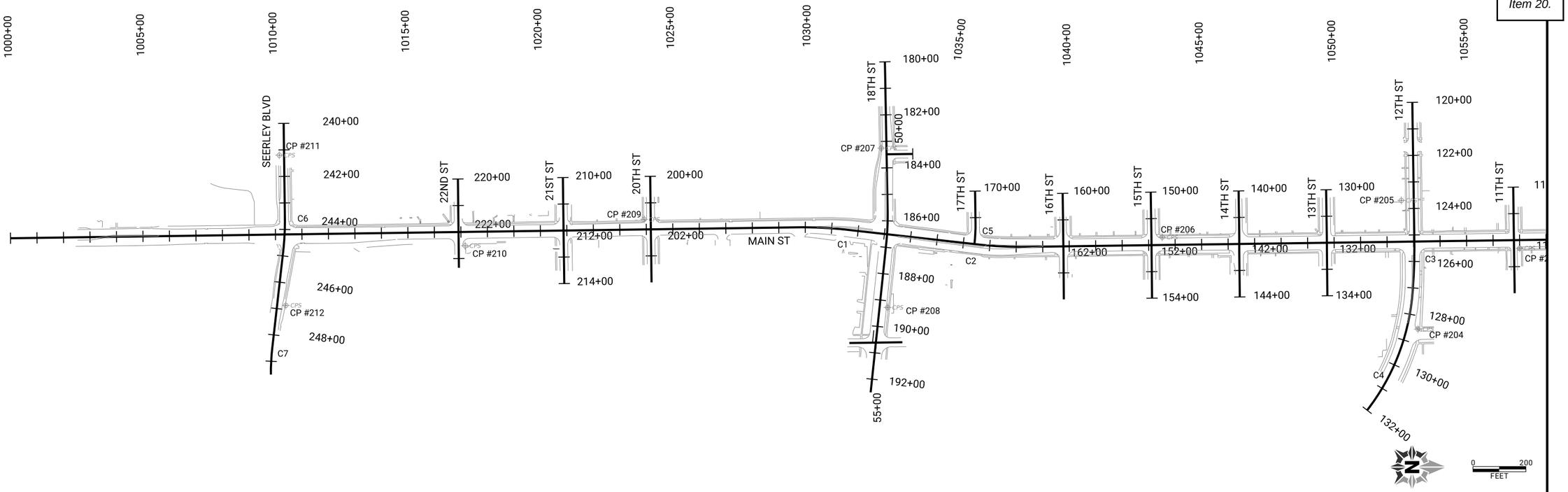

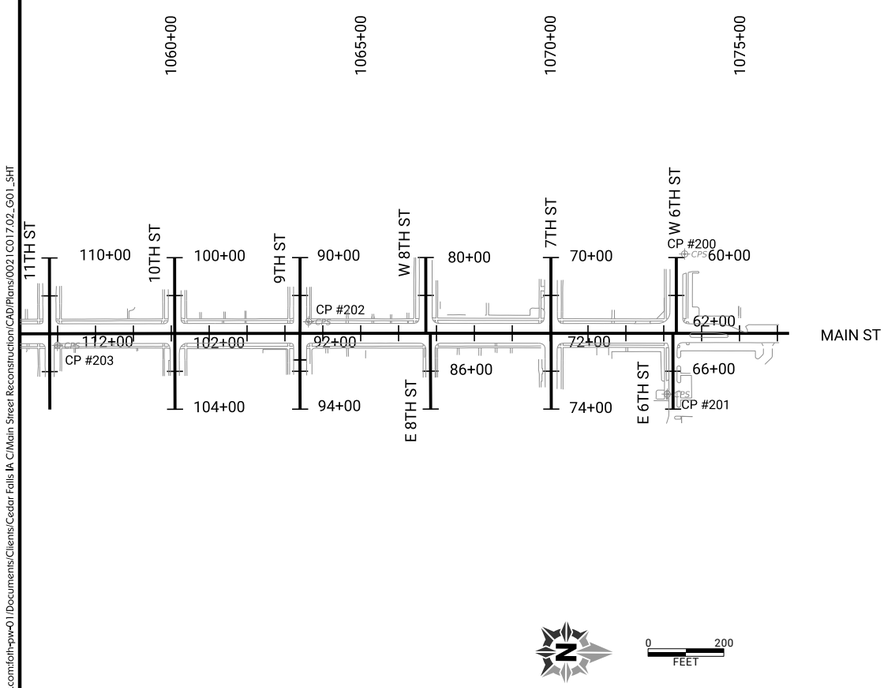

GENERAL INFORMATION

MEASUREMENT UNITS FOR THIS SURVEY ARE IN US SURVEY FEET.
THIS SURVEY IS FOR THE PROPOSED GRADE AND PAVE PROJECT
ON MAIN STREET IN CEDAR FALLS, IOWA.

HORIZONTAL CONTROL

IOWA NORTH ZONE
HORZ. DATUM: NAD83 (NA2011)
VERT. DATUM: NAVD 1988
US SURVEY FEET

CONTROL POINTS

POINT	NORTH	EAST	ELEVATION	STATION	OFFSET	FEATURE	DISCRIPTION
200	3659146.632	5205240.622	869.84	1073+55.06	209.31 LT	CPS	5/8IR
201	3659104.638	5205610.87	865.35	1073+09.41	160.49 RT	CPS	5/8IR
202	3658155.62	5205429.417	878.93	1063+62.26	30.59 LT	CPS	5/8IR
203	3657493.987	5205498.578	874.50	1056+99.87	30.97 RT	CPS	5/8IR
204	3657109.945	5205802.565	869.84	1053+11.17	330.12 RT	CPS	5/8IR
205	3657047.759	5205317.209	887.37	1052+55.88	156.07 LT	CPS	5/8IR
206	3656144.935	5205454.755	872.17	1043+51.45	29.47 LT	CPS	5/8IR
207	3655085.074	5205117.398	873.01	1032+52.05	320.24 LT	CPS	5/8IR
208	3655108.166	5205718.272	867.75	1033+42.94	274.16 RT	CPS	5/8IR
209	3654189.678	5205384.767	871.56	1023+92.33	37.92 LT	CPS	5/8IR
210	3653513.885	5205483.272	875.97	1017+15.37	52.15 RT	CPS	5/8IR
211	3652812.911	5205140.738	875.24	1010+18.71	299.08 LT	CPS	5/8IR
212	3652836.916	5205707.217	871.11	1010+35.66	267.64 RT	CPS	5/8IR

BENCHMARK DATA

POINT	ELEVATION	DISCRIPTION
BM1	885.16	CUT 'X' IN HYDRANT BOLT AT SW QUADRANT OF MAIN STREET & 12TH STREET
BM2	872.30	CUT 'X' IN HYDRANT BOLT AT NE QUADRANT OF MAIN STREET & E SEERLEY BLVD

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: T. LECLAIR CHECKED BY: W. SHIMP DRAWN BY: T. LECLAIR
LETTING DATE: 11/15/2022 CAD DATE: 8/22/2022 9:39:31 AM
CAD FILE: c:\pw_workdir\pw_ie\fvd_kmw3\d0518375\0021C017.02_G01_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

REFERENCE TIES AND BENCHMARKS

SHEET NO.
G.1
STBG-SWAP-1185(657)

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Falls IA C/Main Street Reconstruction/CAD/Plans/0021C017.02_G01_SHT

ALIGNMENT DATA - MAIN ST

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N0.714°W	2647.298 '	3651798.002	5205452.488	1000+00.00						
	N0.707°W	322.933 '	3654445.094	5205419.515	1026+47.29						
	N6.493°E	588.399 '	3654862.366	5205414.364	1029+70.23		1031+58.72	7.200°	1500.000 '	188.492 '	94.370 '
	N0.694°W	1522.766 '	3655540.579	5205491.546	1036+52.75		1038+40.88	7.186°	-1500.000 '	188.136 '	94.192 '
	N0.869°W	80.067 '	3657063.233	5205473.108	1052+69.46						
	N0.701°W	659.484 '	3657143.291	5205471.894	1053+49.53						
	N0.619°W	663.030 '	3657802.725	5205463.831	1060+09.01						
	N0.565°W	958.740 '	3658465.717	5205456.664	1066+72.04						

CURVE DATA- MAIN ST

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	1500	7.200°	188.492	94.37	Main St
C2	1500	7.186°	188.136	94.192	Main St

ALIGNMENT DATA - W 6TH ST

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N0.714°W	2647.298 '	3651798.002	5205452.488	1000+00.00						
	N0.707°W	322.933 '	3654445.094	5205419.515	1026+47.29						

ALIGNMENT DATA - E 6TH ST

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N89.287°E	200.000 '	3659117.79	5205450.234		65+00.00					
			3659120.28	5205650.218		67+00.00					

ALIGNMENT DATA - 7TH ST

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N89.409°E	175.000 '	3658793.727	5205253.42		70+00.00					
	N88.788°E	50.003 '	3658795.532	5205428.41		71+75.00					
	N89.309°E	175.000 '	3658796.59	5205478.402		72+25.00					
			3658798.7	5205653.39		74+00.00					

ALIGNMENT DATA - W 8TH ST

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N89.328°E	200.000 '	3658463.371	5205256.678		80+00.00					
			3658465.717	5205456.664		82+00.00					

ALIGNMENT DATA - E 8TH ST

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N89.150°E	200.000 '	3658477.428	5205456.548		85+00.00					
			3658480.395	5205656.526		87+00.00					

ALIGNMENT DATA - 9TH ST

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N89.387°E	175.000 '	3658131.563	5205260.265		90+00.00					
	S89.960°E	50.003 '	3658133.434	5205435.255		91+75.00					
	N89.237°E	175.000 '	3658133.399	5205485.258		92+25.00					
			3658135.73	5205660.242		94+00.00					

ALIGNMENT DATA - 10TH ST

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N89.387°E	175.000 '	3658131.563	5205260.265		90+00.00					
	S89.960°E	50.003 '	3658133.434	5205435.255		91+75.00					
	N89.237°E	175.000 '	3658133.399	5205485.258		92+25.00					
			3658135.73	5205660.242		94+00.00					

ALIGNMENT DATA - 11TH ST											
POINT	BEARING	DISTANCE	NORTHING	EASTING							
ID		(FEET)	(Y)	(X)	PC	PI	PT	DELTA	R	L	T
	N89.318°E	175.000 '	3657470.084	5205267.883		110+00.00					
	N89.283°E	50.000 '	3657472.166	5205442.871		111+75.00					
	N89.233°E	175.000 '	3657472.792	5205492.867		112+25.00					
			3657475.133	5205667.852		114+00.00					

ALIGNMENT DATA - 12TH ST											
POINT	BEARING	DISTANCE	NORTHING	EASTING							
ID		(FEET)	(Y)	(X)	PC	PI	PT	DELTA	R	L	T
	N89.231°E	519.119 '	3657089.695	5204947.647		120+00.00					
	S84.741°E	575.771 '	3657098.078	5205572.014	125+19.11		127+29.53	6.028°	2000.000 '	210.415 '	105.305 '
	S52.068°E		3657066.263	5205917.68	127+29.53		132+00.00	32.674°	825.000 '	470.466 '	241.822 '

CURVE DATA- 12TH ST					
NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C3	2000	6.028°	210.415	105.305	12TH ST
C4	825	32.674°	470.466	241.822	12TH ST

ALIGNMENT DATA - 13TH ST											
POINT	BEARING	DISTANCE	NORTHING	EASTING							
ID		(FEET)	(Y)	(X)	PC	PI	PT	DELTA	R	L	T
	N89.226°E	175.000 '	3656763.917	5205276.718		130+00.00					
	N89.615°E	50.001 '	3656766.282	5205451.702		131+75.00					
	N89.538°E	175.000 '	3656766.618	5205501.702		132+25.00					
			3656768.029	5205676.696		134+00.00					

ALIGNMENT DATA - 14TH ST											
POINT	BEARING	DISTANCE	NORTHING	EASTING							
ID		(FEET)	(Y)	(X)	PC	PI	PT	DELTA	R	L	T
	N89.275°E	175.000 '	3656433.68	5205280.717		140+00.00					
	S89.829°E	50.006 '	3656435.895	5205455.703		141+75.00					
	N89.430°E	175.000 '	3656435.745	5205505.708		142+25.00					
			3656437.487	5205680.7		144+00.00					

ALIGNMENT DATA - 15TH ST											
POINT	BEARING	DISTANCE	NORTHING	EASTING							
ID		(FEET)	(Y)	(X)	PC	PI	PT	DELTA	R	L	T
	N89.189°E	175.000 '	3656101.932	5205284.734		150+00.00					
	N89.551°E	50.000 '	3656104.408	5205459.717		151+75.00					
	N89.528°E	175.000 '	3656104.799	5205509.716		152+25.00					
			3656106.242	5205684.71		154+00.00					

ALIGNMENT DATA - 16TH ST											
POINT	BEARING	DISTANCE	NORTHING	EASTING							
ID		(FEET)	(Y)	(X)	PC	PI	PT	DELTA	R	L	T
	N89.313°E	175.000 '	3655769.518	5205288.759		160+00.00					
	N89.265°E	50.000 '	3655771.616	5205463.747		161+75.00					
	N89.609°E	175.000 '	3655772.258	5205513.743		162+25.00					
			3655773.453	5205688.738		164+00.00					

ALIGNMENT DATA - 17TH ST											
POINT	BEARING	DISTANCE	NORTHING	EASTING							
ID		(FEET)	(Y)	(X)	PC	PI	PT	DELTA	R	L	T
	N89.251°E	120.142 '	3655438.895	5205279.851		170+00.00					
	S83.123°E		3655440.988	5205439.968	171+20.14		172+00.00	7.626°	600.000 '	79.858 '	39.988 '

CURVE DATA- 17TH ST					
NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C5	600	7.626°	79.858	39.988	17TH ST

ALIGNMENT DATA - 18TH ST											
POINT	BEARING	DISTANCE	NORTHING	EASTING							
ID		(FEET)	(Y)	(X)	PC	PI	PT	DELTA	R	L	T
	N89.041°E	563.429 '	3655099.299	5204791.803		180+00.00					
	S83.936°E	625.363 '	3655109.754	5205416.507	185+63.42		186+86.00	7.023°	1000.000 '	122.571 '	61.363 '
			3655043.69	5206038.37		192+50.00					

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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: T. LECLAIR CHECKED BY: W. SHIMP DRAWN BY: T. LECLAIR
LETTING DATE: 11/15/2022 CAD DATE: 8/22/2022 9:36:41 AM
CAD FILE: c:\pw_workdir\pw_ie\fvd_kmw3\d0518375\0021C017.02_G01_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

REFERENCE TIES AND BENCHMARKS

SHEET NO.
G.3
STBG-SWAP-1185(657

ALIGNMENT DATA - 20TH ST

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N89.444°E	175.000 '	3654212.943	5205222.392		200+00.00					
	N89.332°E	50.000 '	3654214.641	5205397.384		201+75.00					
	N89.320°E	175.000 '	3654215.223	5205447.381		202+25.00					
			3654217.299	5205622.368		204+00.00					

ALIGNMENT DATA - 21ST ST

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N89.351°E	175.000 '	3653883.201	5205226.499		210+00.00					
	N89.336°E	50.000 '	3653885.182	5205401.488		211+75.00					
	N89.301°E	175.000 '	3653885.761	5205451.485		212+25.00					
			3653887.895	5205626.472		214+00.00					

ALIGNMENT DATA - 22ND ST

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N89.406°E	175.000 '	3653486.945	5205231.435		220+00.00					
	N89.464°E	50.000 '	3653488.759	5205406.426		221+75.00					
	N89.380°E	109.882 '	3653489.227	5205456.424		222+25.00					
			3653490.416	5205566.299		223+34.88					

ALIGNMENT DATA - SEERLEY BLVD

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N89.348°E	356.994 '	3652829.607	5205020.794		240+00.00					
	S83.458°E	431.075 '	3652834.385	5205440.624	243+56.99		244+82.55	7.194°	1000.000 '	125.561 '	62.863 '
	N89.435°E		3652779.611	5205918.249	248+50.76		249+50.00	7.107°	-800.000 '	99.234 '	49.680 '

CURVE DATA- SEERLEY BLVD

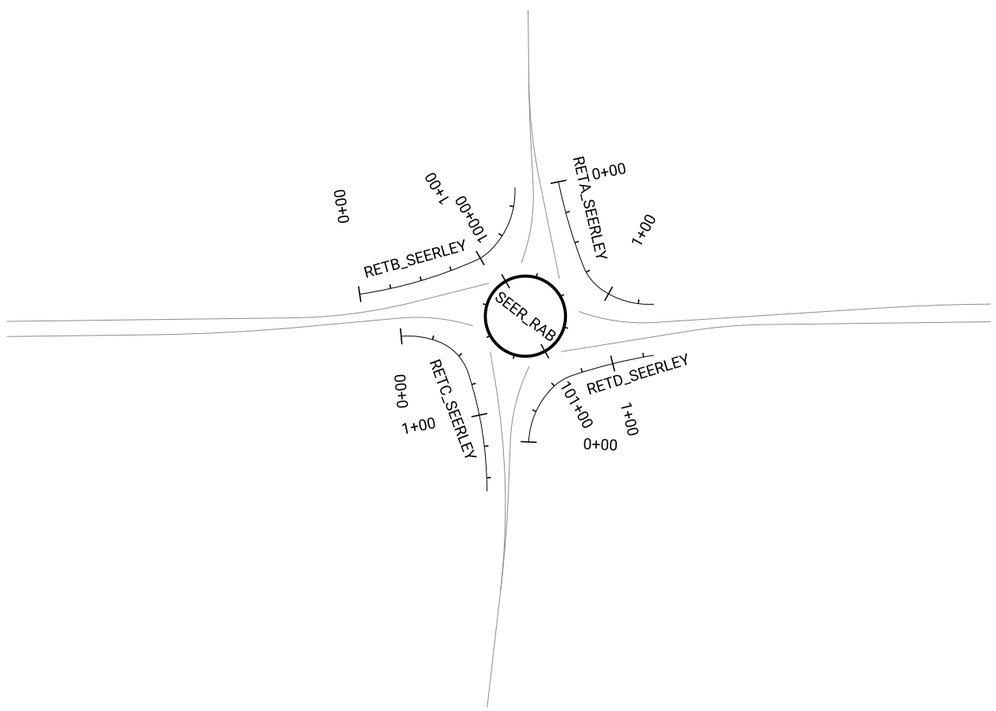
NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C6	1000	7.194°	125.561	62.863	SEERLEY BLVD
C7	800	7.107°	99.234	49.68	SEERLEY BLVD

ALIGNMENT DATA - WASHINGTON ST

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N0.631°W	100.000 '	3655103.938	5205140.571		50+00.00					
			3655203.932	5205139.47		51+00.00					

ALIGNMENT DATA - STATE ST

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N0.694°W	100.000 '	3654963.619	5205852.059		54+00.00					
	N0.694°W	100.000 '	3655063.612	5205850.848		55+00.00					
			3655163.604	5205849.637		56+00.00					



ALIGNMENT DATA - SEERELY RAB

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	S29.535°E	3.034E+12 '			100+00.00		100+99.74	180.000°	31.750 '	99.746 '	3.034E+12 '
	N29.535°W				100+99.74		100+00.00	180.000°	31.750 '	99.746 '	0.000 '

ALIGNMENT DATA - SEERELY_SW

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N24.073°W	62.443 '	3652745.986	5205413.177	0+00.00		0+95.90	15.700°	-350.000 '	95.904 '	48.255 '
	N44.397°W	62.296 '	3652796.589	5205390.569	0+95.90		1+10.09	20.324°	-40.000 '	14.189 '	7.170 '
	S87.010°W		3652822.678	5205365.023	1+10.09		1+65.22	48.593°	-65.000 '	55.127 '	29.344 '

ALIGNMENT DATA - SEERELY_NW

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N68.542°E	58.308 '	3652862.612	5205365.613	0+00.00		0+70.01	10.028°	-400.000 '	70.010 '	35.095 '
	N35.291°E	56.130 '	3652879.819	5205409.391	0+70.01		0+93.22	33.251°	-40.000 '	23.214 '	11.944 '
	N3.658°W		3652908.33	5205429.57	0+93.22		1+37.41	38.949°	-65.000 '	44.186 '	22.985 '

ALIGNMENT DATA - SEERELY_NE

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N45.252°W	43.609 '	3652833.17	5205512.186	0+00.00		0+47.88	42.206°	65.000 '	47.881 '	25.085 '
	N18.718°W	76.175 '	3652857.469	5205487.672	0+47.88		0+66.40	26.533°	40.000 '	18.524 '	9.431 '
	N9.158°W		3652898.082	5205473.911	0+66.40		1+33.14	9.560°	400.000 '	66.744 '	33.450 '

ALIGNMENT DATA - SEERELY_SE

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N21.569°E	50.620 '	3652746.503	5205452.195	0+00.00		0+30.36	26.767°	65.000 '	30.367 '	15.466 '
	N71.925°E	113.959 '	3652778.372	5205464.793	0+30.36		0+65.52	50.355°	40.000 '	35.155 '	18.804 '
	S89.902°E		3652799.093	5205528.282	0+65.52		1+60.67	18.173°	300.000 '	95.155 '	47.981 '

CURVE DATA - SEERELY RAB

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	31.75	180.000°	99.746	3.03E+12	SEER_RAB
C2	31.75	180.000°	99.746	0	SEER_RAB

CURVE DATA - SEERELY_SW

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	350	15.700°	95.904	48.255	RET_SEER_SW
C2	40	20.324°	14.189	7.17	RET_SEER_SW
C3	65	48.593°	55.127	29.344	RET_SEER_SW

CURVE DATA - SEERELY_NW

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	400	10.028°	70.01	35.095	RET_SEER_NW
C2	40	33.251°	23.214	11.944	RET_SEER_NW
C3	65	38.949°	44.186	22.985	RET_SEER_NW

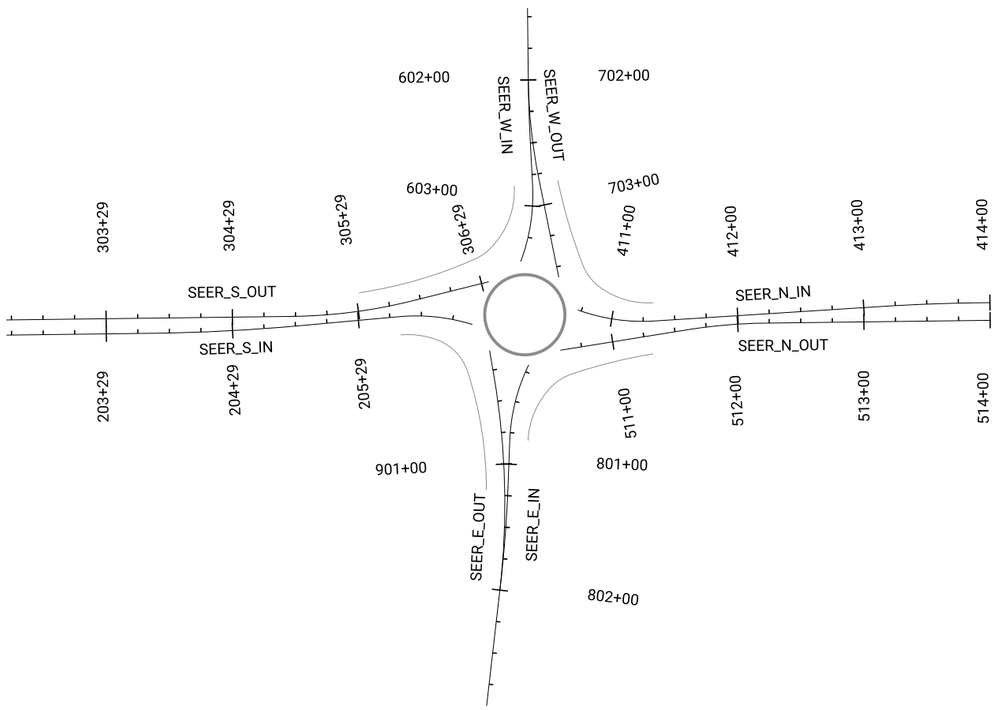
CURVE DATA - SEERELY_NE

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	65	42.206°	47.881	25.085	RET_SEER_NE
C2	40	26.533°	18.524	9.431	RET_SEER_NE
C3	400	9.560°	66.744	33.45	RET_SEER_NE

CURVE DATA - SEERELY_SE

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	65	26.767°	30.367	15.466	RET_SEER_SE
C2	40	50.355°	35.155	18.804	RET_SEER_SE
C3	300	18.173°	95.155	47.981	RET_SEER_SE

0 60
FEET



ALIGNMENT DATA - SEERELY_W_IN

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N89.348°E	59.836 '	3652831.588	5205194.842		601+43.20					
	N87.010°E	59.959 '	3652832.501	5205275.086	602+03.04		602+43.86	2.338°	-1000.500 '	40.819 '	20.412 '
	S69.346°E		3652837.26	5205366.212	602+83.40		603+45.10	23.644°	149.500 '	61.693 '	31.292 '

ALIGNMENT DATA - SEERELY_W_OUT

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N78.570°E	119.527 '	3652832.679	5205290.731	702+00.00		702+77.97	10.778°	-414.500 '	77.971 '	39.101 '
			3652856.365	5205407.887		703+58.39					

ALIGNMENT DATA - SEERELY_N_IN

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N3.658°W	211.019 '	3652900.965	5205444.571	410+72.26		411+33.95	23.644°	-149.500 '	61.693 '	31.292 '
	N0.714°W	47.770 '	3653150.039	5205428.646	413+13.68		413+90.79	2.944°	1500.500 '	77.111 '	38.564 '
			3653197.806	5205428.051		414+00.00					

ALIGNMENT DATA - SEERELY_N_OUT

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N9.158°W	101.897 '	3652857.604	5205465.749		510+58.03					
	N0.714°W	209.584 '	3652988.413	5205444.661	511+59.92		512+21.01	8.444°	414.500 '	61.090 '	30.601 '
			3653197.98	5205442.05		514+00.00					

ALIGNMENT DATA - SEERELY_E_IN

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	S87.810°E	69.029 '	3652818.755	5205505.619	800+19.01		800+81.10	23.794°	-149.500 '	62.084 '	31.496 '
	S83.458°E	135.679 '	3652814.664	5205612.585	801+18.63		801+94.63	4.352°	1000.500 '	75.995 '	38.016 '
			3652799.206	5205747.381		802+92.29					

ALIGNMENT DATA - SEERELY_E_OUT

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N80.346°E	21.126 '	3652801.592	5205466.021		900+09.40					
	S83.458°E		3652819.44	5205570.941	900+30.53		902+00.00	16.196°	599.500 '	169.465 '	85.302 '

ALIGNMENT DATA - SEERELY_S_IN

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N0.714°W	115.473 '	3652418.967	5205453.754		206+20.90					
	N5.198°W	137.171 '	3652593.18	5205451.584	207+36.37		208+53.82	4.485°	-1500.500 '	117.447 '	58.754 '
	N17.359°E		3652759.48	5205436.455	209+32.23		209+91.09	22.558°	149.500 '	58.859 '	29.816 '

ALIGNMENT DATA - SEERELY_S_OUT

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N0.714°W	226.358 '	3652418.817	5205441.755		306+20.90					
	N14.023°W	110.391 '	3652693.513	5205438.333	308+47.25		309+43.54	13.309°	-414.500 '	96.284 '	48.360 '
			3652800.614	5205411.585		310+05.57					

CURVE DATA - SEERELY_W_IN

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	1000.5	2.338°	40.819	20.412	SEER_W_IN
C2	149.5	23.644°	61.693	31.292	SEER_W_IN

CURVE DATA - SEERELY_W_OUT

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	414.5	10.778°	77.971	39.101	SEER_W_OUT

CURVE DATA - SEERELY_N_IN

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	149.5	23.644°	61.693	31.292	SEER_N_IN
C2	1500.5	2.944°	77.111	38.564	SEER_N_IN

CURVE DATA - SEERELY_N_OUT

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	414.5	8.444°	61.09	30.601	SEER_N_OUT

CURVE DATA - SEERELY_E_IN

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	149.5	23.794°	62.084	31.496	SEER_E_IN
C2	1000.5	4.352°	75.995	38.016	SEER_E_IN

CURVE DATA - SEERELY_E_OUT

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	599.5	16.196°	169.465	85.302	SEER_E_OUT

CURVE DATA - SEERELY_S_IN

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	1500.5	4.485°	117.447	58.754	SEER_S_IN
C2	149.5	22.558°	58.859	29.816	SEER_S_IN

CURVE DATA - SEERELY_S_OUT

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	414.5	13.309°	96.284	48.36	SEER_S_OUT

0 60
FEET

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: T. LECLAIR CHECKED BY: W. SHIMP DRAWN BY: T. LECLAIR
LETTING DATE: 11/15/2022 CAD DATE: 8/22/2022 10:05:44 AM
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

REFERENCE TIES AND BENCHMARKS

SHEET NO.
G.6
STBG-SWAP-1185(657

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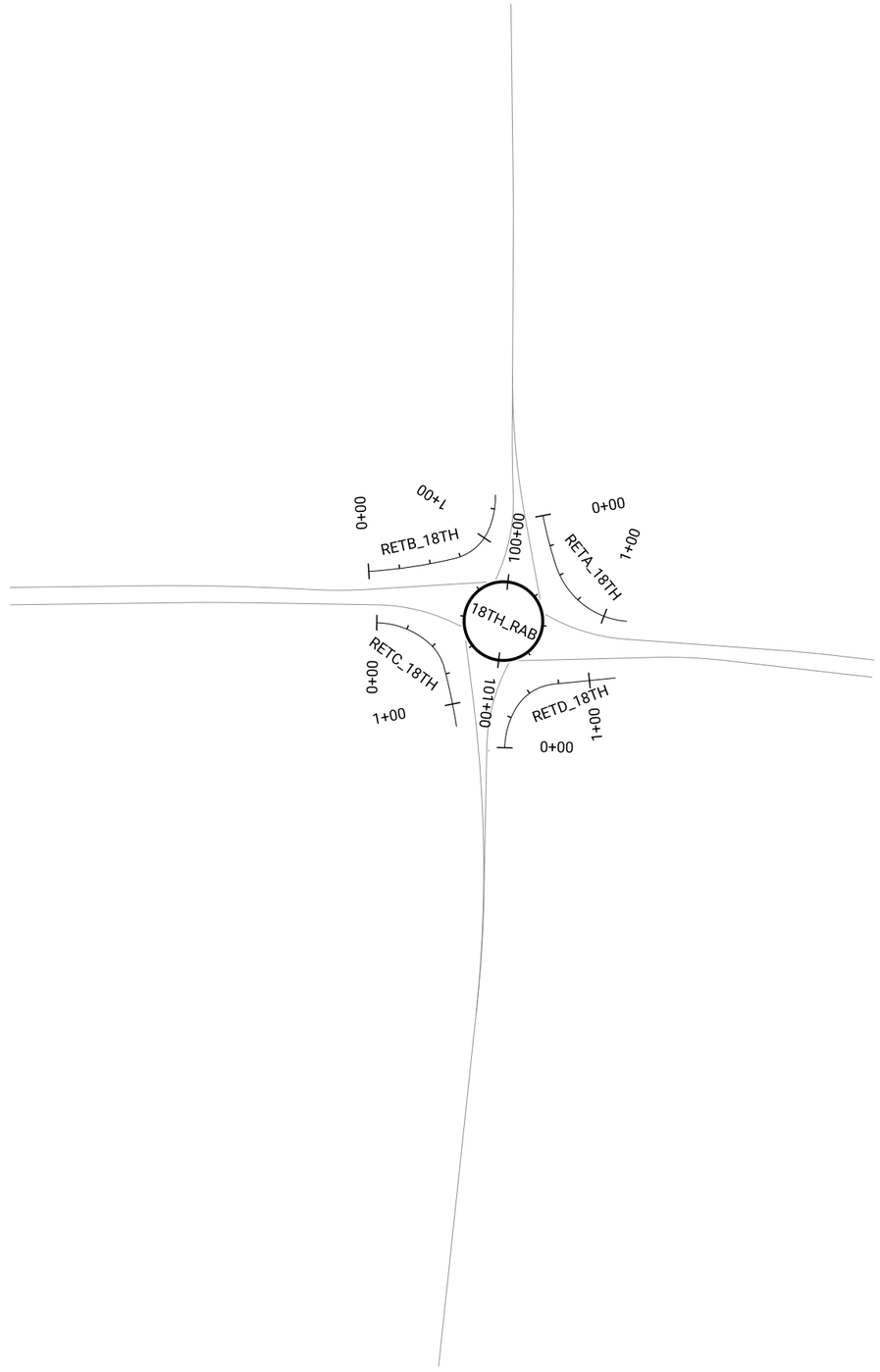


ALIGNMENT DATA - 18TH RAB

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	S6.493°W	2.521E+12 '			100+00.00		100+99.74	180.000°	31.750 '	99.746 '	2.521E+12 '
	N6.493°E				100+99.74		101+99.49	180.000°	31.750 '	99.746 '	2.182E+12 '

ALIGNMENT DATA - RET_18TH_SW

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N13.599°W	71.523 '	3655022.481	5205394.262	0+00.00		0+70.29	10.069°	-400.000 '	70.294 '	35.238 '
	N65.574°W	49.437 '	3655075.682	5205381.392	0+70.29		1+06.57	51.975°	-40.000 '	36.286 '	19.499 '
	S88.036°W		3655090.047	5205349.763	1+06.57		1+36.51	26.390°	-65.000 '	29.938 '	15.239 '

ALIGNMENT DATA - RET_18TH_NW

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N71.287°E	97.649 '	3655131.908	5205372.426	0+00.00		0+42.82	8.178°	-300.000 '	42.820 '	21.446 '
	N4.116°E		3655152.636	5205433.619	0+42.82		1+19.02	67.171°	-65.000 '	76.203 '	43.162 '

ALIGNMENT DATA - RET_18TH_NE

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N59.270°W	54.568 '	3655097.399	5205521.604	0+00.00		0+33.61	29.635°	65.000 '	33.619 '	17.195 '
	N5.736°W	70.356 '	3655116.495	5205489.481	0+33.61		0+70.99	53.534°	40.000 '	37.373 '	20.176 '
			3655186.499	5205482.449		1+21.17					

ALIGNMENT DATA - RET_18TH_SE

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N42.258°E	47.638 '	3655018.31	5205438.307	0+00.00		0+46.89	41.332°	65.000 '	46.890 '	24.517 '
	N75.376°E	60.521 '	3655045.259	5205462.793	0+46.89		0+70.01	33.118°	40.000 '	23.121 '	11.893 '
	N80.949°E		3655054.405	5205497.846	0+70.01		1+18.63	5.572°	500.000 '	48.628 '	24.333 '

CURVE DATA - 18TH RAB

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	31.75	180.000°	99.746	2.52E+12	18TH_RAB
C2	31.75	180.000°	99.746	2.18E+12	18TH_RAB

CURVE DATA -RET_18TH_SW

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	400	10.069°	70.294	35.238	RET_18TH_SW
C2	40	51.975°	36.286	19.499	RET_18TH_SW
C3	65	26.390°	29.938	15.239	RET_18TH_SW

CURVE DATA -RET_18TH_NW

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	300	8.178°	42.82	21.446	RET_18TH_NW
C2	65	67.171°	76.203	43.162	RET_18TH_NW

CURVE DATA -RET_18TH_NE

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	65	29.635°	33.619	17.195	RET_18TH_NE
C2	40	53.534°	37.373	20.176	RET_18TH_NE

CURVE DATA -RET_18TH_SE

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	65	41.332°	46.89	24.517	RET_18TH_SE
C2	40	33.118°	23.121	11.893	RET_18TH_SE
C3	500	5.572°	48.628	24.333	RET_18TH_SE

0 60
FEET

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: T. LECLAIR CHECKED BY: W. SHIMP DRAWN BY: T. LECLAIR
LETTING DATE: 11/15/2022 CAD DATE: 8/22/2022 10:05:45 AM
CAD FILE: c:\pw_workdir\pw_ie\fvd_kmw3\d0518375\0021C017.02_G02_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

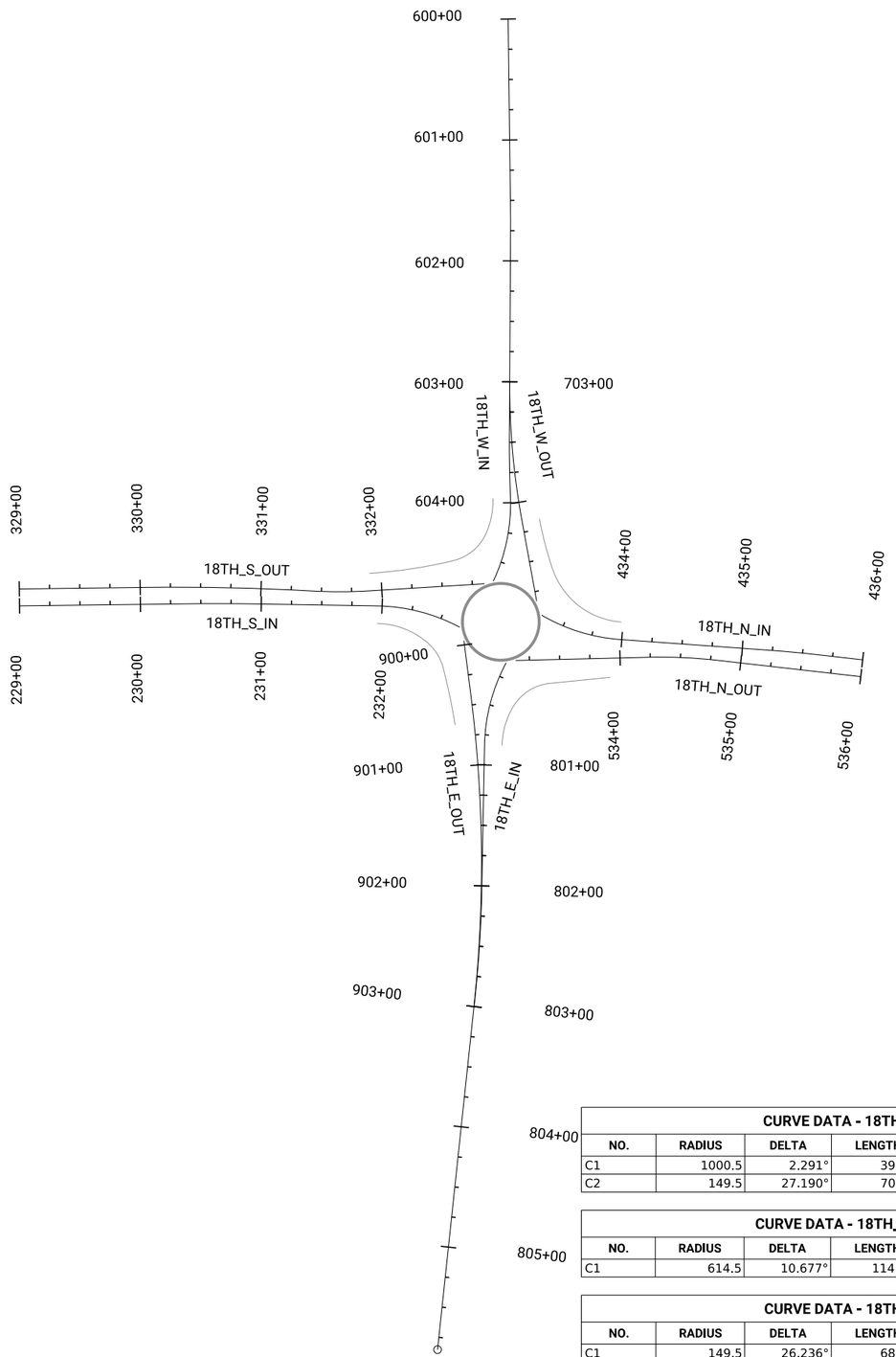
Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

REFERENCE TIES AND BENCHMARKS

SHEET NO.
G.7

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Falls IA C\Main Street Reconstruction\CAD\Plans\0021C017.02_G02_SHT



ALIGNMENT DATA - 18TH_W_IN

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N89.293°E	165.943 '	3655102.099	5204938.148		600+00.00					
	S89.673°E	180.427 '	3655104.147	5205104.078		601+65.94					
	N88.036°E	29.549 '	3655103.003	5205304.504	603+46.37		603+86.36	2.291°	-1000.500 '	39.999 '	20.002 '
	S64.773°E		3655105.255	5205370.169	603+95.91		604+66.86	27.190°	149.500 '	70.947 '	36.155 '

ALIGNMENT DATA - 18TH_W_OUT

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N79.650°E	125.919 '	3655103.054	5205295.554	703+00.00		704+14.51	10.677°	-614.500 '	114.513 '	57.423 '
			3655125.678	5205419.424		704+83.00					

ALIGNMENT DATA - 18TH_N_IN

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N4.116°E	158.954 '	3655159.896	5205448.679	433+30.08		433+98.54	26.236°	-149.500 '	68.457 '	34.840 '
	N6.493°E	56.591 '	3655339.141	5205461.577	435+22.66		435+64.16	2.377°	1000.500 '	41.503 '	20.754 '
			3655395.369	5205467.976		436+00.00					

ALIGNMENT DATA - 18TH_N_OUT

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N4.116°E	158.954 '	3655159.896	5205448.679	433+30.08		433+98.54	26.236°	-149.500 '	68.457 '	34.840 '
	N6.493°E	56.591 '	3655339.141	5205461.577	435+22.66		435+64.16	2.377°	1000.500 '	41.503 '	20.754 '
			3655395.369	5205467.976		436+00.00					

ALIGNMENT DATA - 18TH_E_IN

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	S88.904°E	156.008 '	3655083.264	5205502.371	800+12.61		800+83.56	27.190°	-149.500 '	70.947 '	36.155 '
	S83.936°E	338.516 '	3655079.451	5205701.749	802+03.41		802+90.17	4.968°	1000.500 '	86.758 '	43.406 '
			3655043.69	5206038.37		805+85.28					

ALIGNMENT DATA - 18TH_E_OUT

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N82.709°E	43.764 '	3655065.499	5205452.096		899+96.46					
	S83.936°E		3655087.612	5205624.93	900+40.22		903+00.00	13.355°	1114.500 '	259.777 '	130.480 '

ALIGNMENT DATA - 18TH_S_IN

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N0.707°W	138.898 '	3654697.863	5205423.395		229+00.00					
	N0.926°E	128.885 '	3654865.162	5205421.33	230+38.89		230+95.72	1.634°	1993.000 '	56.824 '	28.414 '
	N28.117°E		3655030.18	5205423.997	231+96.19		232+67.14	27.190°	149.500 '	70.947 '	36.155 '

ALIGNMENT DATA - 18TH_S_IN

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N0.707°W	105.511 '	3654697.691	5205409.396		329+00.00					
	N3.189°E	116.879 '	3654871.457	5205407.251	330+05.51		331+41.99	3.896°	2007.000 '	136.486 '	68.269 '
	N3.530°W	118.838 '	3654963.916	5205412.402	331+41.99		331+90.60	6.719°	-414.500 '	48.610 '	24.333 '
			3655082.528	5205405.085		332+85.11					

CURVE DATA - 18TH_W_IN

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	1000.5	2.291°	39.999	20.002	18TH_W_IN
C2	149.5	27.190°	70.947	36.155	18TH_W_IN

CURVE DATA - 18TH_W_OUT

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	614.5	10.677°	114.513	57.423	18TH_W_OUT

CURVE DATA - 18TH_N_IN

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	149.5	26.236°	68.457	34.84	18TH_N_IN
C2	1000.5	2.377°	41.503	20.754	18TH_N_IN

CURVE DATA - 18TH_N_OUT

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	414.5	7.877°	56.983	28.537	18TH_N_OUT

CURVE DATA - 18TH_E_IN

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	149.5	27.190°	70.947	36.155	18TH_E_IN
C2	1000.5	4.968°	86.758	43.406	18TH_E_IN

CURVE DATA - 18TH_E_OUT

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	1114.5	13.355°	259.777	130.48	18TH_E_OUT

CURVE DATA - 18TH_S_IN

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	1993	1.634°	56.824	28.414	18TH_S_IN
C2	149.5	27.190°	70.947	36.155	18TH_S_IN

CURVE DATA - 18TH_S_OUT

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	2007	3.896°	136.486	68.269	18TH_S_OUT
C2	414.5	6.719°	48.61	24.333	18TH_S_OUT

0 60
FEET

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: T. LECLAIR CHECKED BY: W. SHIMP DRAWN BY: T. LECLAIR
LETTING DATE: 11/15/2022 CAD DATE: 8/22/2022 10:05:47 AM
CAD FILE: c:\pw_workdir\pw_ie\fvd_kmw3\d0518375\0021C017.02_G02_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

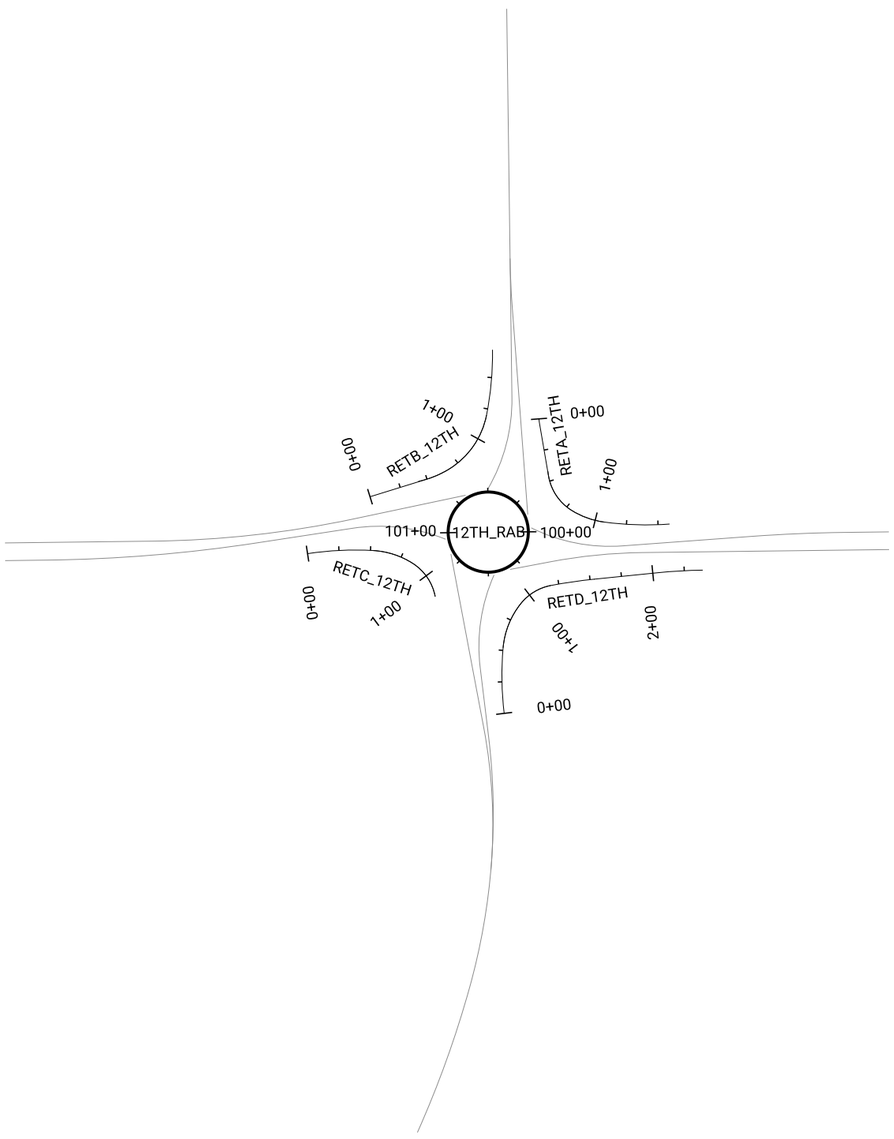
Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

REFERENCE TIES AND BENCHMARKS

SHEET NO.
G.8

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Falls IA C\Main Street Reconstruction\CAD\Plans\0021C017.02_G02_SHT



ALIGNMENT DATA - 12TH RAB

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N89.131°E	99.746 '			100+00.00		100+99.74	180.000°	31.750 '	99.746 '	0.000 '
	S89.132°W				100+99.74		101+99.49	180.001°	31.750 '	99.746 '	0.000 '

ALIGNMENT DATA - RET_12TH_SW

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N17.190°W	47.192 '	3656982.792	5205434.006		0+00					
	N31.751°W	63.141 '	3657037.198	5205417.175	0+47.19		0+66.60	14.560°	-76.383 '	19.411 '	9.758 '
	N78.807°W	80.382 '	3657069.561	5205397.147	0+66.60		1+19.98	47.056°	-65.000 '	53.383 '	28.301 '
	S89.257°W		3657080.128	5205343.747	1+19.98		1+72.06	11.936°	-250.000 '	52.082 '	26.135 '

ALIGNMENT DATA - RET_12TH_NW

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N80.267°E	57.895 '	3657116.725	5205374.244	0+00		0+03.80	5.453°	-40.000 '	3.807 '	1.905 '
	N31.869°E	45.354 '	3657127.202	5205435.328	0+45.90		0+79.69	48.398°	-40.000 '	33.788 '	17.976 '
	N7.736°E	65.977 '	3657154.269	5205452.155	0+79.69		1+07.06	24.133°	-65.000 '	27.378 '	13.895 '
	N4.201°W		3657193.935	5205457.544	1+07.06		1+59.15	11.936°	-250.000 '	52.082 '	26.135 '

ALIGNMENT DATA - RET_12TH_NE

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N3.242°E	59.629 '	3656959.158	5205475.122	0+00		0+52.08	11.936°	250.000 '	52.082 '	26.135 '
	N32.766°E	49.614 '	3657002.351	5205477.569	0+52.08		0+85.57	29.524°	65.000 '	33.493 '	17.127 '
	N79.300°E		3657031.216	5205496.147	0+85.57		1+18.06	46.534°	40.000 '	32.487 '	17.199 '

ALIGNMENT DATA - RET_12TH_SW

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N17.190°W	47.192 '	3656982.792	5205434.006		0+00					
	N31.751°W	63.141 '	3657037.198	5205417.175	0+47.19		0+66.60	14.560°	-76.383 '	19.411 '	9.758 '
	N78.807°W	80.382 '	3657069.561	5205397.147	0+66.60		1+19.98	47.056°	-65.000 '	53.383 '	28.301 '
	S89.257°W		3657080.128	5205343.747	1+19.98		1+72.06	11.936°	-250.000 '	52.082 '	26.135 '

CURVE DATA - 12TH RAB

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	31.75	180.000°	99.746		12TH_RAB
C2	31.75	180.001°	99.746		12TH_RAB

CURVE DATA - RET_12TH_SW

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	76.383	14.560°	19.411	9.758	RET_12TH_SW
C2	65	47.056°	53.383	28.301	RET_12TH_SW
C3	250	11.936°	52.082	26.135	RET_12TH_SW

CURVE DATA - RET_12TH_NW

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	40	5.453°	3.807	1.905	RET_12TH_NW
C2	40	48.398°	33.788	17.976	RET_12TH_NW
C3	65	24.133°	27.378	13.895	RET_12TH_NW
C4	250	11.936°	52.082	26.135	RET_12TH_NW

CURVE DATA - RET_12TH_SE

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	250	11.936°	52.082	26.135	RET_12TH_SE
C2	65	29.524°	33.493	17.127	RET_12TH_SE
C3	40	46.534°	32.487	17.199	RET_12TH_SE

CURVE DATA - RET_12TH_SW

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	76.383	14.560°	19.411	9.758	RET_12TH_SW
C2	65	47.056°	53.383	28.301	RET_12TH_SW
C3	250	11.936°	52.082	26.135	RET_12TH_SW

0 60
FEET

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Falls IA C/Main Street Reconstruction/CAD/Plans/0021C017.02_G02_SHT

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: T. LECLAIR CHECKED BY: W. SHIMP DRAWN BY: T. LECLAIR
LETTING DATE: 11/15/2022 CAD DATE: 8/22/2022 10:05:48 AM
CAD FILE: c:\pw_workdir\pw_ie\fvd_kmw3\d0518375\0021C017.02_G02_SHT.dgn

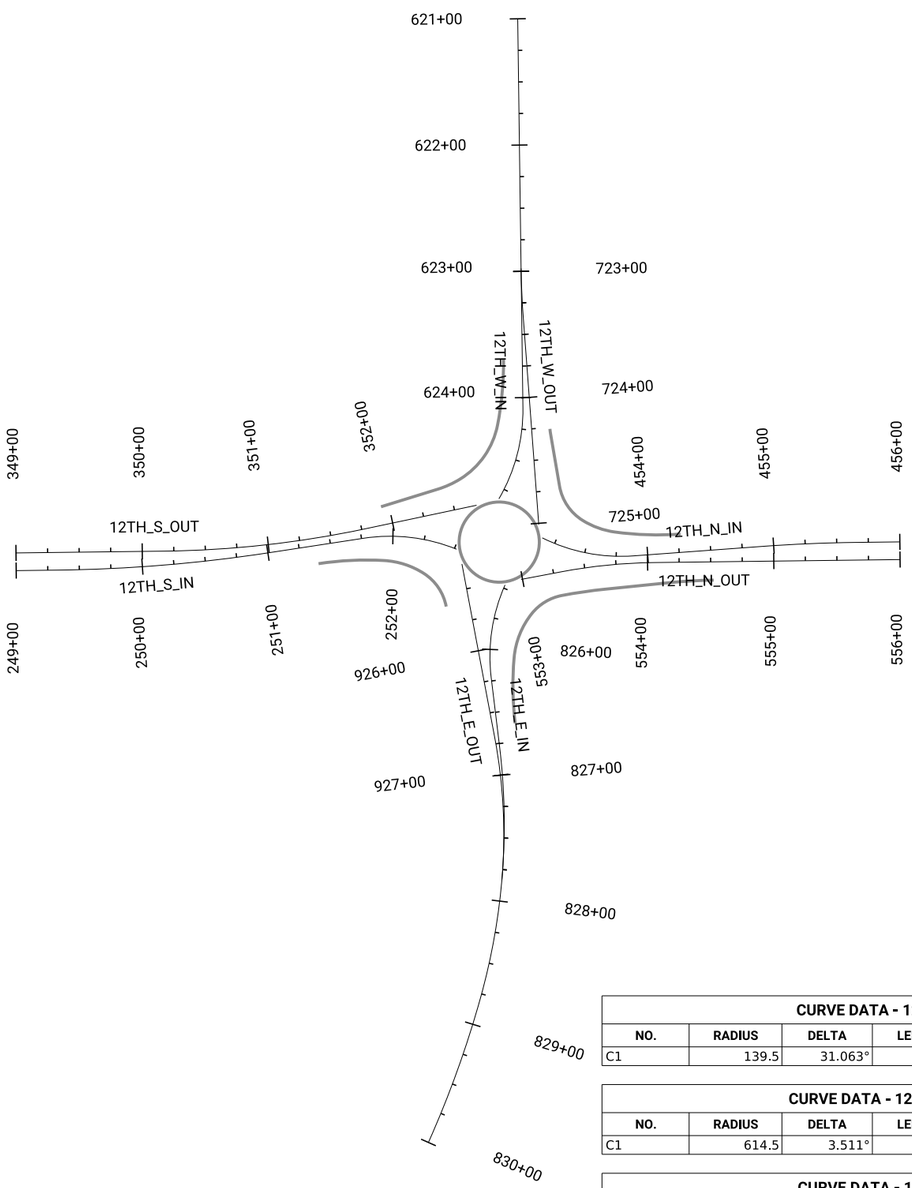
NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

REFERENCE TIES AND BENCHMARKS

SHEET NO.
G.9
STBG-SWAP-1185(657



ALIGNMENT DATA - 12TH_W_IN

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N89.231°E	307.897 '	3657091.038	5205047.638		621+00.00					
	S59.706°E		3657095.692	5205394.273	624+07.89		624+83.52	31.063°	139.500 '	75.630 '	38.770 '

ALIGNMENT DATA - 12TH_W_OUT

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N85.720°E	184.448 '	3657093.945	5205264.157	722+97.70		723+35.35	3.511°	-614.500 '	37.656 '	18.834 '
			3657107.711	5205448.09		725+00.97					

ALIGNMENT DATA - 12TH_N_IN

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N4.201°W	140.534 '	3657144.745	5205475.695	453+14.20		453+88.89	30.675°	-139.500 '	74.685 '	38.261 '
	N0.701°W	72.180 '	3657321.482	5205462.715	454+91.16		455+64.49	3.500°	1200.500 '	73.334 '	36.679 '
			3657393.657	5205461.832		456+00.00					

ALIGNMENT DATA - 12TH_N_OUT

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N10.701°W	32.743 '	3657093.732	5205491.545		552+98.86					
	N0.701°W	231.963 '	3657161.883	5205478.667	553+31.60		554+04.65	10.000°	418.500 '	73.042 '	36.614 '
			3657393.828	5205475.831		556+00.00					

ALIGNMENT DATA - 12TH_E_IN

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N83.080°E	154.912 '	3657065.408	5205531.111	825+47.26		826+22.35	30.842°	-139.500 '	75.091 '	38.479 '
	S74.460°E	223.782 '	3657088.895	5205724.638	826+77.46		828+77.57	22.460°	510.500 '	200.115 '	101.359 '
	S65.958°E		3657045.31	5205881.374	828+77.57		830+00.00	8.502°	825.000 '	122.423 '	61.324 '

ALIGNMENT DATA - 12TH_E_OUT

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N79.300°E	139.918 '	3657046.864	5205479.317		925+30.04					
	S85.077°E		3657083.399	5205672.677	926+69.96		927+82.98	15.623°	414.500 '	113.020 '	56.863 '

ALIGNMENT DATA - 12TH_S_IN

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N0.694°W	32.789 '	3656693.882	5205484.581		249+00.00					
	N8.694°W	160.184 '	3656810.61	5205483.168	249+32.78		251+00.41	8.000°	-1200.500 '	167.621 '	83.947 '
	N22.148°E		3657006.991	5205453.139	251+76.64		252+51.73	30.842°	139.500 '	75.091 '	38.479 '

ALIGNMENT DATA - 12TH_S_OUT

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N0.694°W	117.326 '	3656693.713	5205470.582		349+00.00					
	N11.937°W	170.956 '	3656891.199	5205468.191	350+17.32		351+77.15	11.243°	-814.500 '	159.833 '	80.174 '
			3657058.458	5205432.83		352+67.94					

CURVE DATA - 12TH_W_IN

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	139.5	31.063°	75.63	38.77	12TH_W_IN

CURVE DATA - 12TH_W_OUT

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	614.5	3.511°	37.656	18.834	12TH_W_OUT

CURVE DATA - 12TH_N_IN

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	139.5	30.675°	74.685	38.261	12TH_N_IN
C2	1200.5	3.500°	73.334	36.679	12TH_N_IN

CURVE DATA - 12TH_N_OUT

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	418.5	10.000°	73.042	36.614	12TH_N_OUT

CURVE DATA - 12TH_E_IN

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	139.5	30.842°	75.091	38.479	12TH_E_IN
C2	510.5	22.460°	200.115	101.359	12TH_E_IN
C3	825	8.502°	122.423	61.324	12TH_E_IN

CURVE DATA - 12TH_E_OUT

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	414.5	15.623°	113.02	56.863	12TH_E_OUT

CURVE DATA - 12TH_S_IN

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	1200.5	8.000°	167.621	83.947	12TH_S_IN
C2	139.5	30.842°	75.091	38.479	12TH_S_IN

CURVE DATA - 12TH_S_OUT

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	814.5	11.243°	159.833	80.174	12TH_S_OUT

0 60
FEET

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: T. LECLAIR CHECKED BY: W. SHIMP DRAWN BY: T. LECLAIR
LETTING DATE: 11/15/2022 CAD DATE: 8/22/2022 10:05:49 AM
CAD FILE: c:\pw_workdir\pw_ie\fvd_kmw3\d0518375\0021C017.02_G02_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

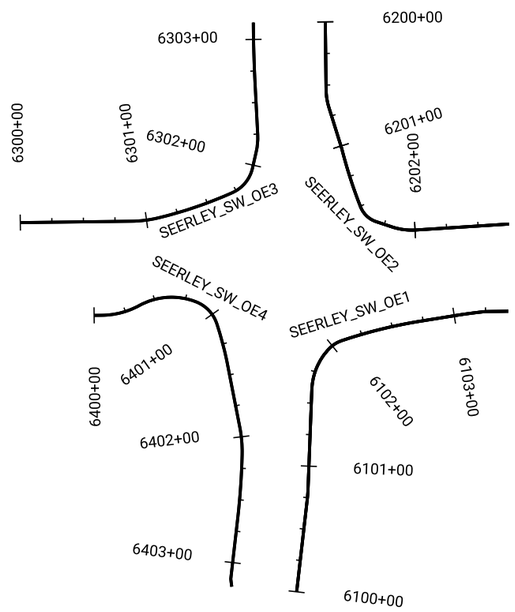
Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

REFERENCE TIES AND BENCHMARKS

SHEET NO.
G.10

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Falls IA C/Main Street Reconstruction/CAD/Plans/0021C017.02_G02_SHT



ALIGNMENT DATA - SEERLEY_SW_OE1

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N83.458°W	73.630 '	3652836.003	5205698.606	6100+00.00						48.255 '
	N87.810°W	88.955 '	3652844.846	5205621.493	6100+73.63		6100+81.60	4.352°	-105.000 '	7.975 '	7.170 '
	N45.252°W	30.198 '	3652848.758	5205519.187	6101+60.91		6101+97.30	42.558°	49.000 '	36.396 '	29.344 '
	N18.718°W	69.733 '	3652866.177	5205501.615	6101+97.30		6102+08.42	26.533°	24.000 '	11.114 '	
	N9.158°W	61.896 '	3652901.949	5205489.494	6102+08.42		6102+72.49	9.560°	384.000 '	64.074 '	
	N5.780°W	29.490 '	3652974.237	5205477.84	6103+02.28		6103+24.92	3.379°	384.000 '	22.643 '	
			3653003.668	5205476.473		6103+43.08					

ALIGNMENT DATA - SEERLEY_SW_OE2

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N89.346°E	53.534 '	3652858.685	5205247.312	6200+00.00						48.255 '
	N72.618°E	50.382 '	3652859.379	5205308.194	6200+53.53		6200+68.13	16.730°	-50.000 '	14.600 '	7.170 '
	N68.551°E	41.974 '	3652877.649	5205371.056	6201+01.80		6201+50.66	7.216°	-388.000 '	48.864 '	29.344 '
	N18.390°E	22.809 '	3652890.018	5205402.538	6201+50.66		6201+68.17	50.162°	-20.000 '	17.510 '	
	N3.658°W	83.588 '	3652920.721	5205412.745	6201+81.62		6202+00.48	22.048°	-49.000 '	18.855 '	
			3653004.138	5205407.412		6202+74.52					

ALIGNMENT DATA - SEERLEY_SW_OE3

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N0.714°W	88.099 '	3652617.161	5205406.282		6300+00.00					48.255 '
	N13.577°W	72.858 '	3652715.99	5205405.057	6300+88.09		6301+09.48	12.897°	-95.000 '	21.384 '	7.170 '
	N24.073°W	57.138 '	3652756.709	5205395.243	6301+09.48		6301+71.60	10.530°	-338.000 '	62.121 '	29.344 '
	N77.257°W	27.581 '	3652797.946	5205376.82	6301+71.60		6301+97.59	53.183°	-28.000 '	25.990 '	
	S87.010°W	46.317 '	3652805.523	5205343.315	6302+11.15		6302+24.61	15.733°	-49.000 '	13.455 '	
	S89.348°W	28.139 '	3652802.01	5205276.055	6302+64.16		6303+06.22	2.338°	1031.000 '	42.063 '	
			3652801.692	5205247.918		6303+13.32					

ALIGNMENT DATA - SEERLEY_SW_OE4

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N0.633°W	6.214 '	3652675.607	5205479.733	6400+00.00						48.255 '
	N28.790°W	77.485 '	3652697.619	5205479.489	6400+06.21		6400+37.17	28.156°	-63.000 '	30.960 '	7.170 '
	N21.569°E	49.525 '	3652733.302	5205459.88	6400+37.17		6400+83.75	50.359°	53.000 '	46.584 '	29.344 '
	N71.925°E	43.340 '	3652768.715	5205473.879	6400+83.75		6401+08.36	50.355°	28.000 '	24.608 '	
	N77.928°E	94.288 '	3652777.485	5205500.749	6401+08.36		6401+38.54	6.004°	288.000 '	30.178 '	
	S88.557°E	61.613 '	3652793.108	5205579.136	6401+92.39		6402+14.26	12.529°	100.000 '	21.867 '	
	S83.458°E	73.466 '	3652792.193	5205615.437	6402+14.26		6402+64.89	5.099°	569.000 '	50.636 '	
	N82.819°E	6.176 '	3652783.823	5205688.424		6403+13.02					
			3652784.595	5205694.552		6403+19.20					

CURVE DATA - SEERLEY_SW_OE1

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	105	4.352°	7.975	3.99	SEERLEY_SW_OE1
C2	49	42.558°	36.396	19.084	SEERLEY_SW_OE1
C3	24	26.533°	11.114	5.659	SEERLEY_SW_OE1
C4	384	9.560°	64.074	32.112	SEERLEY_SW_OE1
C5	384	3.379°	22.643	11.325	SEERLEY_SW_OE1

CURVE DATA - SEERLEY_SW_OE3

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	95	12.897°	21.384	10.738	SEERLEY_SW_OE3
C2	338	10.530°	62.121	31.148	SEERLEY_SW_OE3
C3	28	53.183°	25.99	14.016	SEERLEY_SW_OE3
C4	49	15.733°	13.455	6.77	SEERLEY_SW_OE3
C5	1031	2.338°	42.063	21.035	SEERLEY_SW_OE3

CURVE DATA - SEERLEY_SW_OE2

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	50	16.730°	14.6	7.352	SEERLEY_SW_OE2
C2	388	7.216°	48.864	24.464	SEERLEY_SW_OE2
C3	20	50.162°	17.51	9.361	SEERLEY_SW_OE2
C4	49	22.048°	18.855	9.546	SEERLEY_SW_OE2

CURVE DATA - SEERLEY_SW_OE4

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	63	28.156°	30.96	15.799	SEERLEY_SW_OE4
C2	53	50.359°	46.584	24.917	SEERLEY_SW_OE4
C3	28	50.355°	24.608	13.163	SEERLEY_SW_OE4
C4	288	6.004°	30.178	15.103	SEERLEY_SW_OE4
C5	100	12.529°	21.867	10.977	SEERLEY_SW_OE4
C6	569	5.099°	50.636	25.335	SEERLEY_SW_OE4

0 60
FEET

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Falls IA C/Main Street Reconstruction/CAD/Plans/0021C017.02_G03_SHT

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: T. LECLAIR CHECKED BY: W. SHIMP DRAWN BY: T. LECLAIR
LETTING DATE: 11/15/2022 CAD DATE: 8/22/2022 10:33:03 AM
CAD FILE: c:\pw_workdir\pw_ie\fvd_kmw3\d0518375\0021C017.02_G03_SHT.dgn

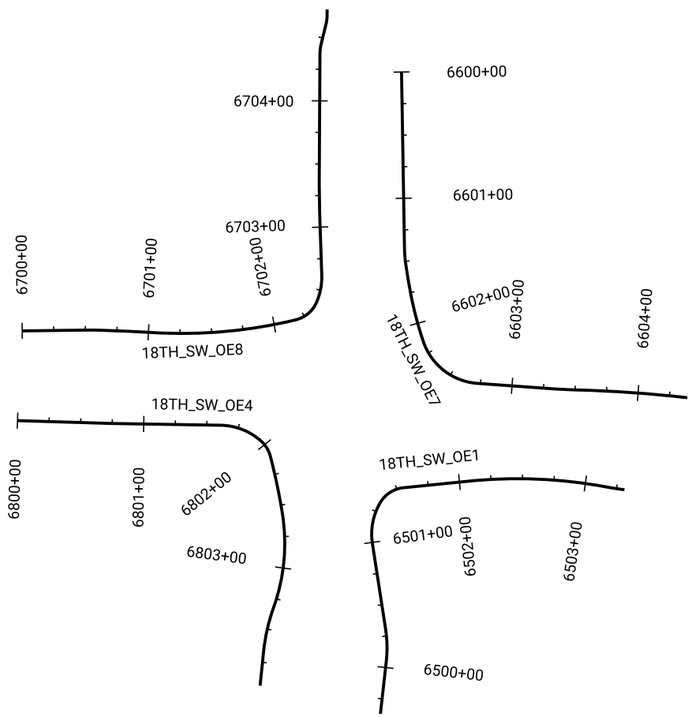
NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

REFERENCE TIES AND BENCHMARKS

SHEET NO.
G.11
STBG-SWAP-1185(657



ALIGNMENT DATA - 18TH_SW_OE1

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N84.238°W	5.637 '	3655124.134	5205645.887		6500+00.00					
	S81.235°W	93.145 '	3655125.979	5205627.598	6500+05.63		6500+30.99	14.527°	-100.000 '	25.354 '	12.745 '
	N59.270°W	40.014 '	3655110.95	5205530.12	6500+99.28		6501+33.06	39.495°	49.000 '	33.777 '	17.590 '
	N5.736°W	69.536 '	3655126.125	5205504.594	6501+33.06		6501+55.48	53.534°	24.000 '	22.424 '	12.106 '
	N10.600°E	70.419 '	3655243.949	5205492.481	6502+05.74		6503+17.11	16.618°	384.000 '	111.376 '	56.082 '
	N6.493°E		3655306.123	5205504.116	6503+17.11		6503+31.45	4.107°	-200.000 '	14.338 '	7.172 '

ALIGNMENT DATA - 18TH_SW_OE7

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N89.041°E	139.557 '	3655136.703	5205174.206		6600+00.00					
	N81.632°E	61.107 '	3655139.146	5205320.217	6601+39.55		6601+52.48	7.409°	-100.000 '	12.931 '	6.474 '
	N79.465°E	51.585 '	3655141.696	5205337.553	6601+52.48		6601+74.58	2.168°	-584.000 '	22.095 '	11.049 '
	N71.287°E	77.748 '	3655147.429	5205368.376	6601+74.58		6602+15.11	8.178°	-284.000 '	40.536 '	20.302 '
	N4.116°E	133.287 '	3655164.381	5205418.423	6602+15.11		6602+72.56	67.171°	-49.000 '	57.445 '	32.538 '
	N1.565°E	98.335 '	3655264.911	5205425.657	6603+29.68		6603+51.94	2.551°	-500.000 '	22.259 '	11.131 '
	N6.493°E		3655319.651	5205427.152	6603+51.94		6604+39.14	4.927°	1014.000 '	87.204 '	43.629 '

ALIGNMENT DATA - 18TH_SW_OE8

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N0.707°W	49.885 '	3654836.297	5205379.183		6700+00.00					
	N2.042°E	59.688 '	3654893.376	5205378.478	6700+49.88		6700+64.28	2.749°	300.000 '	14.396 '	6.474 '
	N3.189°E	144.399 '	3654920.954	5205379.461	6700+64.28		6701+05.07	1.147°	2037.500 '	40.790 '	11.049 '
	N13.599°W	78.435 '	3654997.893	5205383.748	6701+05.07		6702+17.58	16.788°	-384.000 '	112.515 '	20.302 '
	N65.574°W	34.268 '	3655064.339	5205367.674	6702+17.58		6702+39.35	51.975°	-24.000 '	21.771 '	32.538 '
	S88.036°W	51.697 '	3655073.928	5205346.562	6702+39.35		6702+61.92	26.390°	-49.000 '	22.569 '	11.131 '
	N89.673°W	114.472 '	3655071.45	5205274.303	6703+02.13		6703+43.33	2.291°	1030.500 '	41.203 '	43.629 '
	N76.163°W	19.921 '	3655072.126	5205155.687	6704+37.20		6704+45.45	13.511°	35.000 '	8.253 '	
	N89.673°W	8.276 '	3655077.741	5205132.894	6704+61.23		6704+68.30	13.511°	-30.000 '	7.074 '	
			3655077.788	5205124.618		6704+73.03					

ALIGNMENT DATA - 18TH_SW_OE4

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N1.738°E	75.744 '	3654832.584	5205450.234		6800+00.00					
	N0.926°E	85.256 '	3654908.293	5205452.531		6800+75.74					
	N42.258°E	70.939 '	3655012.017	5205454.208	6801+60.99		6801+96.34	41.332°	49.000 '	35.348 '	18.482 '
	N75.376°E	71.835 '	3655030.978	5205471.436	6801+96.34		6802+10.21	33.118°	24.000 '	13.872 '	7.136 '
	N80.861°E	98.713 '	3655038.632	5205500.771	6802+10.21		6802+56.54	5.484°	484.000 '	46.328 '	23.182 '
	S70.289°E	75.143 '	3655048.443	5205561.753	6802+56.54		6803+32.07	28.851°	150.000 '	75.531 '	38.584 '
	S84.253°E	45.014 '	3655029.233	5205615.371	6803+32.07		6803+68.63	13.964°	-150.000 '	36.559 '	18.370 '
			3655024.694	5205660.155		6803+95.28					

CURVE DATA - 18TH_SW_OE1

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	100	14.527°	25.354	12.745	18TH_SW_OE1
C2	49	39.495°	33.777	17.59	18TH_SW_OE1
C3	24	53.534°	22.424	12.106	18TH_SW_OE1
C4	384	16.618°	111.376	56.082	18TH_SW_OE1
C5	200	4.107°	14.338	7.172	18TH_SW_OE1

CURVE DATA - 18TH_SW_OE7

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	100	7.409°	12.931	6.474	18TH_SW_OE7
C2	584	2.168°	22.095	11.049	18TH_SW_OE7
C3	284	8.178°	40.536	20.302	18TH_SW_OE7
C4	49	67.171°	57.445	32.538	18TH_SW_OE7
C5	500	2.551°	22.259	11.131	18TH_SW_OE7
C6	1014	4.927°	87.204	43.629	18TH_SW_OE7

CURVE DATA - 18TH_SW_OE8

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	300	2.749°	14.396	7.199	18TH_SW_OE8
C2	2037.5	1.147°	40.79	20.396	18TH_SW_OE8
C3	384	16.788°	112.515	56.663	18TH_SW_OE8
C4	24	51.975°	21.771	11.699	18TH_SW_OE8
C5	49	26.390°	22.569	11.488	18TH_SW_OE8
C6	1030.5	2.291°	41.203	20.604	18TH_SW_OE8
C7	35	13.511°	8.253	4.146	18TH_SW_OE8
C8	30	13.511°	7.074	3.554	18TH_SW_OE8

CURVE DATA - 18TH_SW_OE4

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	49	41.332°	35.348	18.482	18TH_SW_OE4
C2	24	33.118°	13.872	7.136	18TH_SW_OE4
C3	484	5.484°	46.328	23.182	18TH_SW_OE4
C4	150	28.851°	75.531	38.584	18TH_SW_OE4
C5	150	13.964°	36.559	18.37	18TH_SW_OE4

0 50
FEET

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: T. LECLAIR CHECKED BY: W. SHIMP DRAWN BY: T. LECLAIR
LETTING DATE: 11/15/2022 CAD DATE: 8/31/2022 12:44:55 PM
CAD FILE: c:\pw_workdir\pw_ie\fvd_kmw3\d0518375\0021C017.02_G03_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

REFERENCE TIES AND BENCHMARKS

SHEET NO.
G.12
STBG-SWAP-1185(657

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Falls IA C\Main Street Reconstruction\CAD\Plans\0021C017.02_G03_SHT

ALIGNMENT DATA - 12TH_SW_OE1

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N88.096°W	42.953 '	3657130.046	5205681.437		6900+00.00					
	S62.583°W	48.972 '	3657131.989	5205625.284	6900+42.95		6900+68.82	29.648°	-50.000 '	25.873 '	13.233 '
	N64.094°W	46.122 '	3657098.111	5205559.973	6901+04.56		6901+50.16	53.323°	49.000 '	45.602 '	24.603 '
	N9.556°W	42.553 '	3657119.774	5205515.373	6901+58.65		6901+89.11	54.538°	32.000 '	30.460 '	16.495 '
	N5.727°W	139.692 '	3657148.893	5205510.471	6901+89.11		6902+15.17	3.828°	390.000 '	26.059 '	13.034 '
	N6.424°E	12.093 '	3657288.51	5205507.621		6903+41.82					
			3657300.527	5205508.975		6903+53.92					

ALIGNMENT DATA - 12TH_SW_OE6

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N89.231°E	19.492 '	3657126.057	5205309.525		7000+00.00					
	N81.023°E	41.163 '	3657126.367	5205332.602	7000+19.49		7000+26.65	8.208°	-50.000 '	7.163 '	3.587 '
	N80.267°E	42.254 '	3657132.79	5205373.261		7000+64.23					
	N31.869°E	31.425 '	3657141.756	5205425.536	7001+06.48		7001+26.75	48.398°	-24.000 '	20.273 '	10.786 '
	N7.736°E	59.223 '	3657159.812	5205436.761	7001+26.75		7001+47.39	24.133°	-49.000 '	20.639 '	10.475 '
	N4.201°W	70.292 '	3657194.431	5205441.464	7001+47.39		7001+96.14	11.936°	-234.000 '	48.748 '	24.463 '
	N13.972°W	21.372 '	3657264.534	5205436.315		7002+41.97					
	N0.701°W	67.451 '	3657285.274	5205431.155		7002+63.34					
			3657352.719	5205430.331		7003+30.79					

ALIGNMENT DATA - 12TH_SW_OE7

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N0.694°W	87.692 '	3656797.104	5205438.328		710+00.00					
	N11.937°W	56.041 '	3656924.691	5205433.002	7100+87.69		7101+67.87	5.838°	-787.000 '	80.186 '	40.128 '
	N17.190°W	28.601 '	3656979.52	5205421.411		7101+83.79					
	N40.836°W	52.743 '	3657026.841	5205406.771	7102+12.39		7102+53.66	23.645°	-100.000 '	41.269 '	20.932 '
	N78.807°W	60.708 '	3657055.172	5205382.285	7102+53.66		7102+85.47	37.971°	-48.000 '	31.811 '	16.514 '
	N89.674°W	28.825 '	3657062.68	5205344.343	7102+85.47		7103+29.66	10.867°	-233.000 '	44.194 '	22.163 '
			3657062.844	5205315.519		7103+36.32					

ALIGNMENT DATA - 12TH_SW_OE5

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N0.694°W	28.501 '	3656798.729	5205515.314		7200+00.00					
	N10.548°W	102.785 '	3656827.228	5205514.969		7200+28.50					
	N3.242°E	53.546 '	3656956.095	5205490.974	7201+31.28		7201+87.60	13.790°	234.000 '	56.320 '	28.297 '
	N32.766°E	31.463 '	3656997.237	5205493.305	7201+87.60		7202+12.85	29.524°	49.000 '	25.249 '	12.911 '
	N77.055°E	101.727 '	3657016.307	5205505.578	7202+12.85		7202+31.40	44.289°	24.000 '	18.552 '	9.767 '
	S83.414°E	77.665 '	3657045.688	5205633.403	7203+23.36		7203+81.65	19.530°	171.000 '	58.289 '	29.430 '
			3657036.781	5205710.555		7204+29.89					

CURVE DATA - 12TH_SW_OE1

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	50	29.648°	25.873	13.233	12TH_SW_OE1
C2	49	53.323°	45.602	24.603	12TH_SW_OE1
C3	32	54.538°	30.46	16.495	12TH_SW_OE1
C4	390	3.828°	26.059	13.034	12TH_SW_OE1

CURVE DATA - 12TH_SW_OE7

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	787	5.838°	80.186	40.128	12TH_SW_OE7
C2	100	23.645°	41.269	20.932	12TH_SW_OE7
C3	48	37.971°	31.811	16.514	12TH_SW_OE7
C4	233	10.867°	44.194	22.163	12TH_SW_OE7

CURVE DATA - 12TH_SW_OE6

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	50	8.208°	7.163	3.587	12TH_SW_OE6
C2	24	48.398°	20.273	10.786	12TH_SW_OE6
C3	49	24.133°	20.639	10.475	12TH_SW_OE6
C4	234	11.936°	48.748	24.463	12TH_SW_OE6

CURVE DATA - 12TH_SW_OE5

NO.	RADIUS	DELTA	LENGTH	TANGENT	ALIGNMENT
C1	234	13.790°	56.32	28.297	12TH_SW_OE5
C2	49	29.524°	25.249	12.911	12TH_SW_OE5
C3	24	44.289°	18.552	9.767	12TH_SW_OE5
C4	171	19.530°	58.289	29.43	12TH_SW_OE5

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FEET

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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: T. LECLAIR CHECKED BY: W. SHIMP DRAWN BY: T. LECLAIR
LETTING DATE: 11/15/2022 CAD DATE: 8/22/2022 10:33:07 AM
CAD FILE: c:\pw_workdir\pw_ie\fvd_kmw3\d0518375\0021C017.02_G03_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

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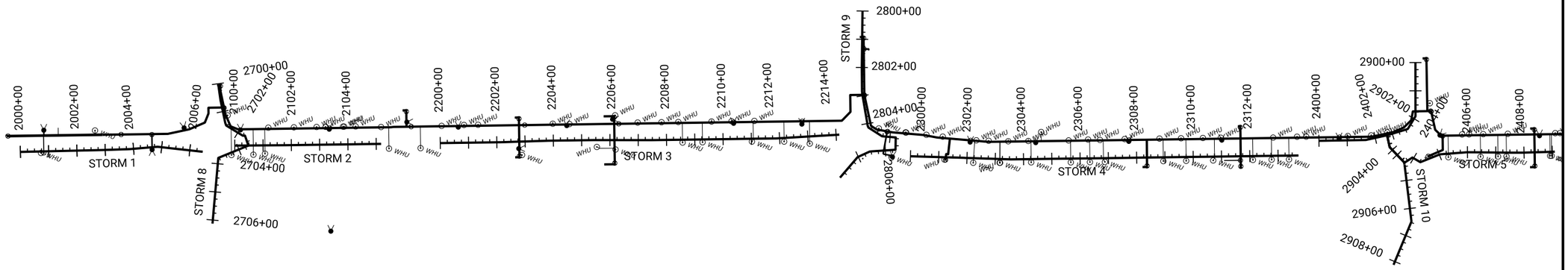
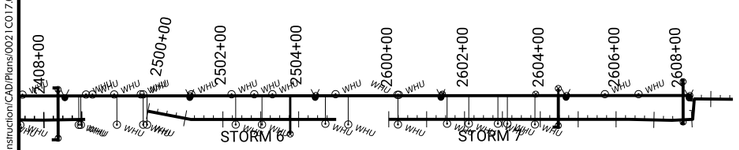
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

REFERENCE TIES AND BENCHMARKS

SHEET NO.
G.13





CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: T. LECLAIR	CHECKED BY: W. SHIMP	DRAWN BY: T. LECLAIR	
LETTING DATE: 11/15/2022	CAD DATE: 8/22/2022	10:47:26 AM	
CAD FILE: c:\pw_workdir\pw_ie\fvd_kmw3\d0518375\0021C017.02_G04_SHT.dgn			

NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

REFERENCE TIES AND BENCHMARKS

SHEET NO.
G.14
STBG-SWAP-1185(657

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ALIGNMENT DATA - STORM 1

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N1.240°W	290.353 '	3652144.578	5205485.367		2000+00.00					
	N1.817°W	89.065 '	3652434.863	5205479.081		2002+90.35					
	N2.557°W	8.000 '	3652523.884	5205476.257		2003+79.41					
	N4.682°W	93.847 '	3652531.876	5205475.9		2003+87.41					
	N5.481°W	4.000 '	3652625.41	5205468.239		2004+81.26					
	N6.392°E	160.622 '	3652629.392	5205467.857		2004+85.26					
			3652789.015	5205485.739		2006+45.88					

ALIGNMENT DATA - STORM 2

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N0.325°W	181.801 '	3652902.502	5205464.02		2100+00.00					
	N0.721°W	179.595 '	3653084.3	5205462.989		2101+81.80					
	N0.742°W	155.939 '	3653263.881	5205460.728		2103+61.39					
			3653419.806	5205458.709		2105+17.33					

ALIGNMENT DATA - STORM 3

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N0.710°W	215.082 '	3653628.836	5205456.175		2200+00.00					
	N1.766°W	167.672 '	3653843.901	5205453.51		2202+15.08					
	N0.709°W	159.279 '	3654011.493	5205448.341		2203+82.75					
	N0.133°E	206.887 '	3654170.76	5205446.37		2205+42.03					
	N0.705°W	213.251 '	3654377.646	5205446.85		2207+48.92					
	N0.721°W	217.217 '	3654590.882	5205444.227		2209+62.17					
	N0.085°W	8.000 '	3654808.081	5205441.492		2211+79.38					
	N3.335°W	224.119 '	3654816.081	5205441.48		2211+87.38					
			3655039.821	5205428.444		2214+11.50					

ALIGNMENT DATA - STORM 4

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N1.695°E	189.629 '	3655291.083	5205505.342		2300+00.00					
	N5.346°E	4.000 '	3655480.629	5205510.952		2301+89.62					
	N1.931°E	161.546 '	3655484.612	5205511.324		2301+93.62					
	N0.694°W	168.797 '	3655646.066	5205516.769		2303+55.17					
	N0.594°W	4.000 '	3655814.851	5205514.723		2305+23.97					
	N0.595°W	158.551 '	3655818.851	5205514.682		2305+27.97					
	N0.641°W	4.000 '	3655977.393	5205513.037		2306+86.52					
	N0.792°W	167.973 '	3655981.393	5205512.992		2306+90.52					
	N0.699°W	173.121 '	3656149.35	5205510.67		2308+58.49					
	N0.064°W	4.000 '	3656322.458	5205508.558		2310+31.61					
	N0.703°W	155.128 '	3656326.458	5205508.554		2310+35.61					
	N0.691°W	181.459 '	3656481.574	5205506.652		2311+90.74					
			3656663.019	5205504.463		2313+72.20					

ALIGNMENT DATA - STORM 5

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N0.907°W	165.811 '	3656735.355	5205452.575		2400+00.00					
	N12.439°W	77.102 '	3656901.145	5205449.949		2401+65.81					
	N77.658°E	3.963 '	3656976.438	5205433.342		2402+42.91					
	N77.992°E	39.220 '	3656977.285	5205437.213		2402+46.87					
	N46.385°E	73.255 '	3656985.444	5205475.575		2402+86.09					
	N43.933°E	2.644 '	3657035.976	5205528.611		2403+59.35					
	N34.440°W	0.596 '	3657037.88	5205530.446		2403+61.99					
	N33.001°W	32.692 '	3657038.372	5205530.109		2403+62.59					
	N30.512°E	32.475 '	3657065.789	5205512.303		2403+95.28					
	N21.818°W	74.836 '	3657093.767	5205528.791		2404+27.75					
	N4.216°W	95.249 '	3657163.243	5205500.977		2405+02.59					
	N0.522°W	8.000 '	3657258.234	5205493.975		2405+97.84					
	N0.622°E	151.309 '	3657266.233	5205493.902		2406+05.84					
	N0.054°W	39.464 '	3657417.533	5205495.545		2407+57.15					
	N1.589°W	112.300 '	3657456.997	5205495.508		2407+96.61					
			3657569.253	5205492.394		2409+08.91					

ALIGNMENT DATA - STORM 6

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N10.307°E	115.494 '	3657734.697	5205469.134		2500+00.00					
	N0.589°W	168.789 '	3657848.327	5205489.798		2501+15.49					
	N0.619°W	214.753 '	3658017.107	5205488.061		2502+84.28					
			3658231.848	5205485.743		2504+99.03					

ALIGNMENT DATA - STORM 7

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N0.571°W	372.250 '	3658370.681	5205484.166		2600+00.00					
	N0.913°W	2.455 '	3658742.913	5205480.455		2603+72.25					
	N0.576°W	258.966 '	3658745.367	5205480.416		2603+74.70					
	N0.713°E	113.840 '	3659004.32	5205477.814		2606+33.67					
	N3.296°W	54.865 '	3659118.151	5205479.232		2607+47.51					
	N85.980°W	54.084 '	3659172.925	5205476.078		2608+02.37					
	N0.005°W	101.620 '	3659176.717	5205422.126		2608+56.46					
			3659278.336	5205422.118		2609+58.07					

ALIGNMENT DATA - STORM 8

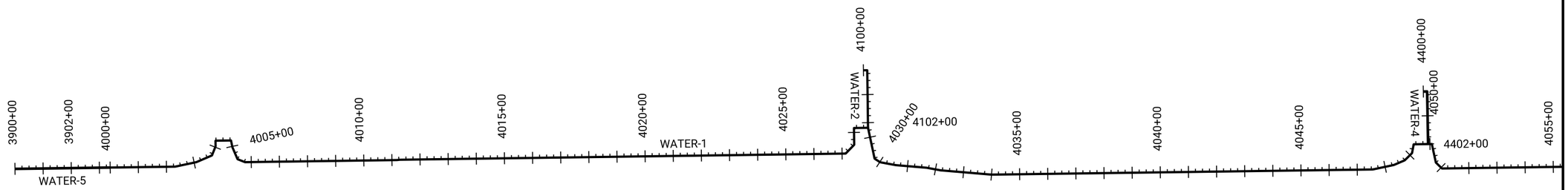
POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N82.045°E	58.929 '	3652844.03	5205244.622		2700+00.00					
	N78.271°E	81.866 '	3652852.186	5205302.984		2700+58.92					
	N70.907°E	10.333 '	3652868.827	5205383.141		2701+40.79					
	N31.577°E	69.099 '	3652872.207	5205392.906		2701+51.12					
	N2.516°W	7.462 '	3652931.075	5205429.089		2702+20.22					
	N71.217°E	37.229 '	3652938.529	5205428.762		2702+27.68					
	S22.246°E	114.891 '	3652950.516	5205464.008		2702+64.91					
	S84.858°E	233.500 '	3652844.177	5205507.504		2703+79.80					
			3652823.25	5205740.065		2706+13.30					

ALIGNMENT DATA - STORM 9

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	S89.152°E	194.123 '	3655122.564	5204991.063		2800+00.00					
	S89.593°E	8.000 '	3655119.69	5205185.164		2801+94.12					
	N89.569°E	81.219 '	3655119.633	5205193.164		2802+02.12					
	N86.226°E	8.000 '	3655120.244	5205274.381		2802+83.34					
	N80.374°E	116.328 '	3655120.771	5205282.363		2802+91.34					
	N68.708°E	6.757 '	3655140.223	5205397.053		2804+07.66					
	N32.712°E	56.975 '	3655142.676	5205403.349		2804+14.42					
	N9.513°E	3.000 '	3655190.615	5205434.139		2804+71.40					
	N4.800°E	46.008 '	3655193.574	5205434.635		2804+74.40					
	S85.821°E	4.000 '	3655239.421	5205438.485		2805+20.40					
	S88.947°E	35.883 '	3655239.129	5205442.475		2805+24.40					
	S87.882°E	3.839 '	3655238.47	5205478.352		2805+60.29					
	S3.721°E	83.648 '	3655238.328	5205482.188		2805+64.13					
	S6.022°E	8.000 '	3655154.856	5205487.617		2806+47.77					
	S24.696°E	46.860 '	3655146.901	5205488.457		2806+55.77					
	S49.334°E	95.624 '	3655104.327	5205508.035		2807+02.63					
			3655042.014	5205580.568		2807+98.26					

ALIGNMENT DATA - STORM 10

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	S89.966°E	190.211 '	3657076.881	5205176.148		2900+00.00					
	S58.766°E	52.547 '	3657076.766	5205366.359		2901+90.21					
	S16.876°E	74.772 '	3657049.518	5205411.29		2902+42.75					
	S12.734°E	1.567 '	3656977.966	5205432.997		2903+17.53					
	N77.658°E	3.963 '	3656976.438	5205433.342		2903+19.09					
	N77.992°E	39.220 '	3656977.285	5205437.213		2903+23.06					
	N46.385°E	73.255 '	3656985.444	5205475.575		2903+62.28					
	N77.001°E	8.000 '	3657035.976	5205528.611		2904+35.53					
	N83.168°E	202.536 '	3657037.929	5205537.211		2904+43.53					
	S70.402°E	4.189 '	3657062.021	5205738.309		2906+46.07					
	S67.467°E	162.045 '	3657060.616	5205742.255		2906+50.26					
			3656998.517	5205891.929		2908+12.30					



CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: T. LECLAIR CHECKED BY: W. SHIMP DRAWN BY: T. LECLAIR
LETTING DATE: 11/15/2022 CAD DATE: 8/22/2022 10:50:09 AM
CAD FILE: c:\pw_workdir\pw_ie\fvd_kmw3\d0518375\0021C017.02_G04_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

REFERENCE TIES AND BENCHMARKS

SHEET NO.
G.17
STBG-SWAP-1185(657

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ALIGNMENT DATA - WATER 1

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N0.714°W	231.057 '	3652434.976	5205425.053		4000+00.00					
	N11.964°W	77.292 '	3652666.015	5205422.175		4002+31.05					
	N23.214°W	60.000 '	3652741.629	5205406.153		4003+08.34					
	N68.214°W	35.000 '	3652796.771	5205382.503		4003+68.34					
	S89.286°W	20.000 '	3652809.761	5205350.003		4004+03.34					
	N0.714°W	55.000 '	3652809.512	5205330.005		4004+23.34					
	N78.036°E	25.197 '	3652864.508	5205329.319		4004+78.34					
	N66.786°E	45.711 '	3652869.731	5205353.97		4005+03.54					
	N21.786°E	28.563 '	3652887.749	5205395.98		4005+49.25					
	N0.714°W	540.135 '	3652914.272	5205406.581		4005+77.82					
	N6.239°W	10.385 '	3653454.364	5205399.854		4011+17.95					
	N0.714°W	980.073 '	3653464.688	5205398.725		4011+28.34					
	N0.707°W	604.176 '	3654444.685	5205386.518		4021+08.41					
	N45.701°W	43.563 '	3655048.815	5205379.059		4027+12.59					
	S89.299°W	59.681 '	3655079.24	5205347.881		4027+56.15					
	N0.701°W	50.000 '	3655078.51	5205288.205		4028+15.83					
	N78.049°E	112.135 '	3655128.506	5205287.593		4028+65.83					
	N33.049°E	23.467 '	3655151.726	5205397.298		4029+77.96					
	N10.549°E	56.821 '	3655171.396	5205410.096		4030+01.43					
	N4.924°E	110.000 '	3655227.257	5205420.499		4030+58.25					
	N10.549°E	50.000 '	3655336.851	5205429.942		4031+68.25					
	N4.924°E	182.006 '	3655386.005	5205439.096		4032+18.25					
	N0.694°W	1354.610 '	3655567.339	5205454.72		4034+00.26					
	N11.944°W	76.934 '	3656921.85	5205438.317		4047+54.87					
	N23.194°W	42.036 '	3656997.119	5205422.396		4048+31.80					
	N44.444°W	36.394 '	3657035.758	5205405.84		4048+73.84					
	N79.444°W	31.855 '	3657061.74	5205380.357		4049+10.23					
	N0.944°W	64.539 '	3657067.576	5205349.041		4049+42.09					
	N77.806°E	67.483 '	3657132.107	5205347.978		4050+06.63					
	N44.299°E	30.283 '	3657146.36	5205413.939		4050+74.11					
	N0.701°W	634.318 '	3657168.034	5205435.089		4051+04.39					
	N0.619°W	663.073 '	3657802.305	5205427.333		4057+38.71					
	N0.564°W	697.674 '	3658465.34	5205420.166		4064+01.78					
	N0.705°W	6.000 '	3659162.98	5205413.301		4070+99.46					
			3659168.979	5205413.227		4071+05.46					

ALIGNMENT DATA - WATER 2

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N0.701°W	13.594 '	3655112.41	5205083.035		4100+00.00					
	N89.299°E	204.740 '	3655126.003	5205082.869		4100+13.59					
			3655128.506	5205287.593		4102+18.33					

ALIGNMENT DATA - WATER 4

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N0.944°W	13.660 '	3657102.117	5205161.5		4300+00.00					
	N89.056°E	186.947 '	3657115.774	5205161.275		4300+13.66					
			3657118.854	5205348.197		4302+00.60					

ALIGNMENT DATA - WATER 5

POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N0.714°W	338.254 '	3652096.749	5205429.266		3900+00.00					
			3652434.976	5205425.053		3903+38.25					

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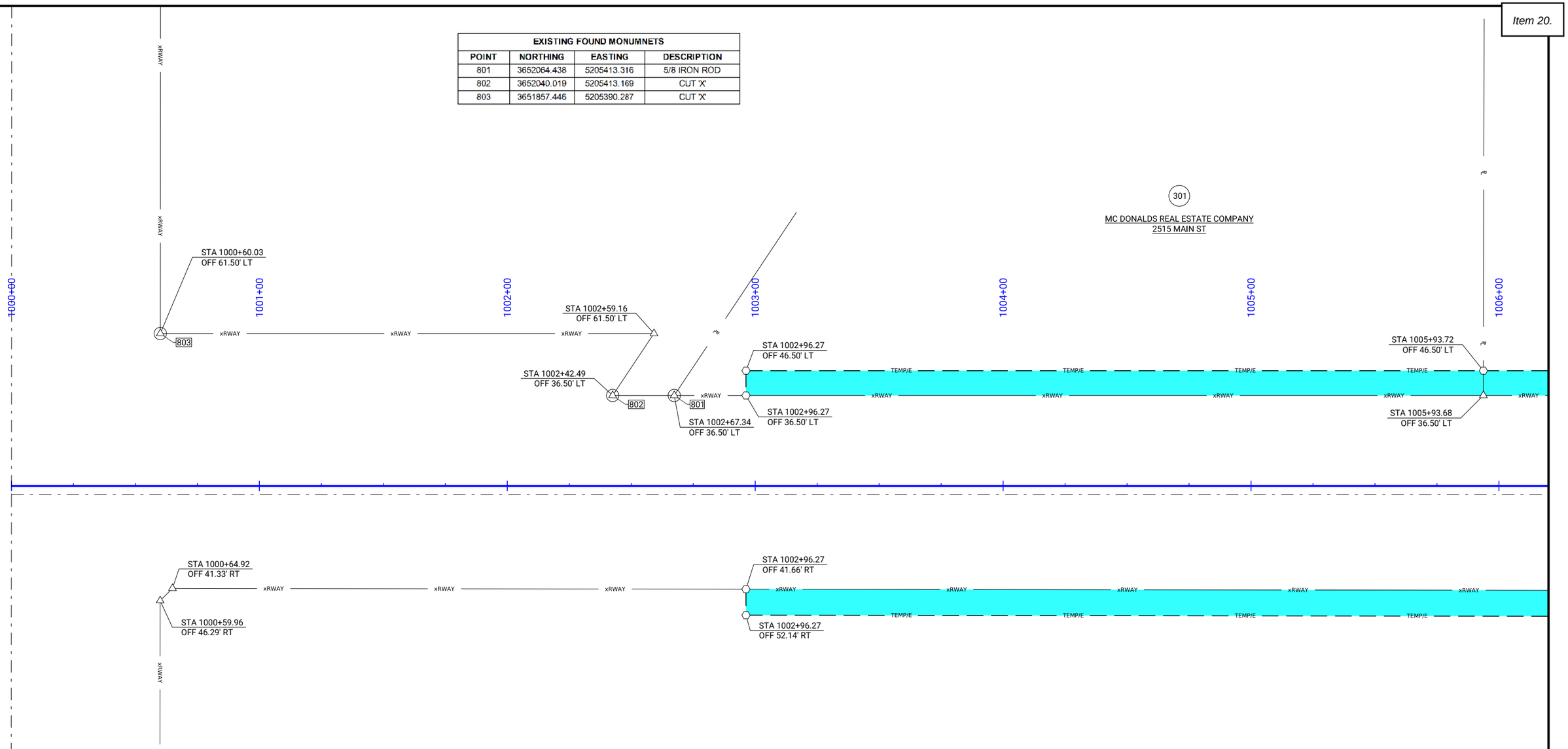
EXISTING FOUND MONUMNETS			
POINT	NORTHING	EASTING	DESCRIPTION
801	3652064.438	5205413.316	5/8 IRON ROD
802	3652040.019	5205413.169	CUT 'X'
803	3651857.446	5205390.287	CUT 'X'



THIS SHEET IS FOR INFORMATION ONLY

Right of Way Legend

- Property Lines
- Permanent Acquisition
- Temporary Easement

0 20 FEET

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: C. CARPER	CHECKED BY: C. CARPER	DRAWN BY: A. MUENCH	
LETTING DATE: 11/15/2022	CAD DATE: 8/22/2022	2:35:03 PM	
CAD FILE: c:\pw_workdir\pw_ie\fvd_kmw3\d0518375\0021C017.02_H01_SHT.dgn			

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
RIGHT-OF-WAY SHEETS

SHEET NO.
H.1

STBG-SWAP-1185(657)

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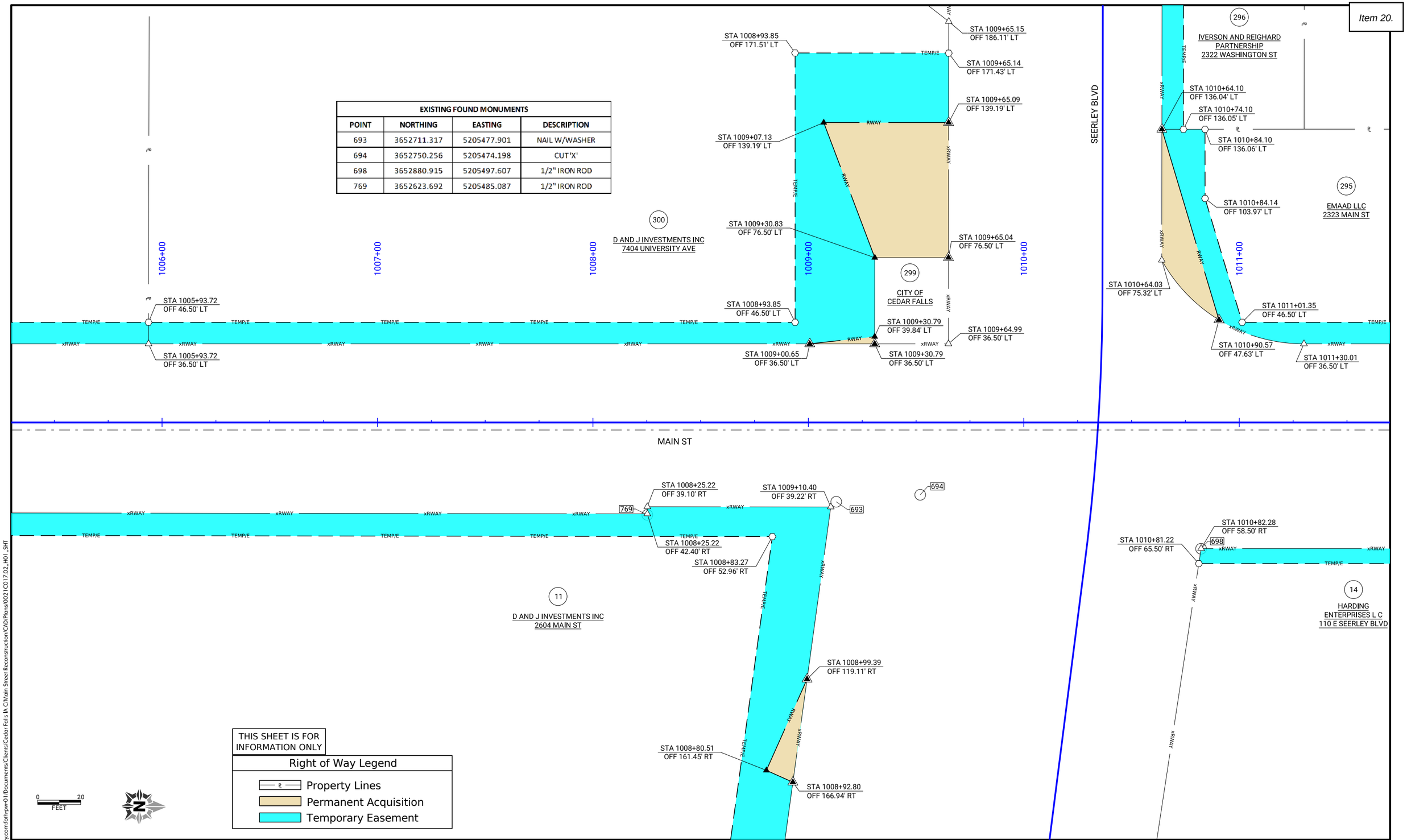
EXISTING FOUND MONUMENTS			
POINT	NORTHING	EASTING	DESCRIPTION
693	3652711.317	5205477.901	NAIL W/WASHER
694	3652750.256	5205474.198	CUT 'X'
698	3652880.915	5205497.607	1/2" IRON ROD
769	3652623.692	5205485.087	1/2" IRON ROD



THIS SHEET IS FOR INFORMATION ONLY

Right of Way Legend

- Property Lines
- Permanent Acquisition
- Temporary Easement

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: C. CARPER	CHECKED BY: C. CARPER	DRAWN BY: A. MUENCH	
LETTING DATE: 11/15/2022	CAD DATE: 8/22/2022	2:35:05 PM	
CAD FILE: c:\pw_workdir\pw_ie\fvd_kmw3\d0518375\0021C017.02_H01_SHT.dgn			

NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
RIGHT-OF-WAY SHEETS

SHEET NO.
H.2

STBG-SWAP-1185(657

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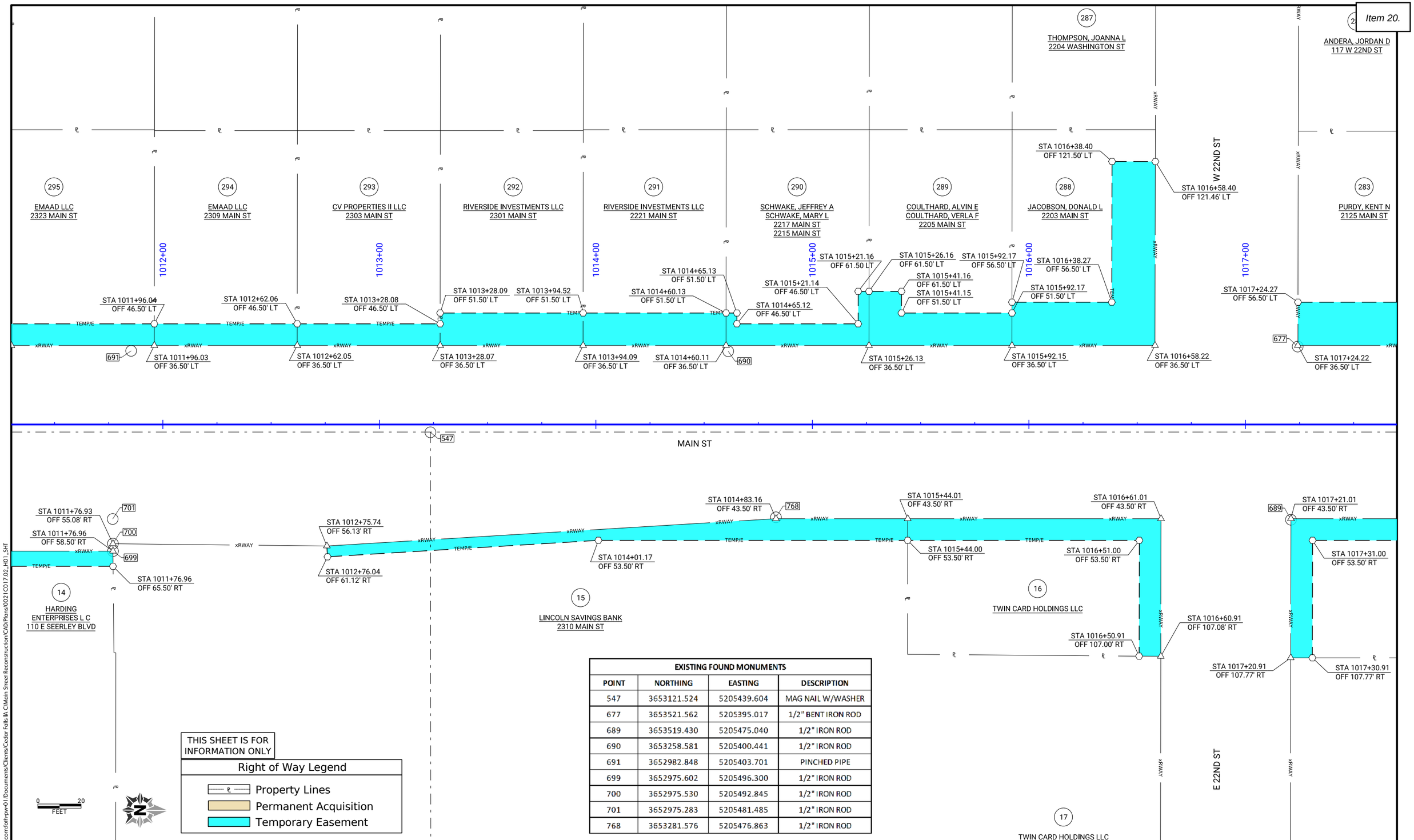

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Right of Way Legend

- Property Lines
- Permanent Acquisition
- Temporary Easement

EXISTING FOUND MONUMENTS			
POINT	NORTHING	EASTING	DESCRIPTION
547	3653121.524	5205439.604	MAG NAIL W/WASHER
677	3653521.562	5205395.017	1/2" BENT IRON ROD
689	3653519.430	5205475.040	1/2" IRON ROD
690	3653258.581	5205400.441	1/2" IRON ROD
691	3652982.848	5205403.701	PINCHED PIPE
699	3652975.602	5205496.300	1/2" IRON ROD
700	3652975.530	5205492.845	1/2" IRON ROD
701	3652975.283	5205481.485	1/2" IRON ROD
768	3653281.576	5205476.863	1/2" IRON ROD

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: C. CARPER CHECKED BY: C. CARPER DRAWN BY: A. MUENCH
LETTING DATE: 11/15/2022 CAD DATE: 8/22/2022 2:35:13 PM
CAD FILE: c:\pw_workdir\pw_ie\fvd_kmw3\d0518375\0021C017.02_H01_SHT.dgn

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
RIGHT-OF-WAY SHEETS

SHEET NO.
H.3
STBG-SWAP-1185(657

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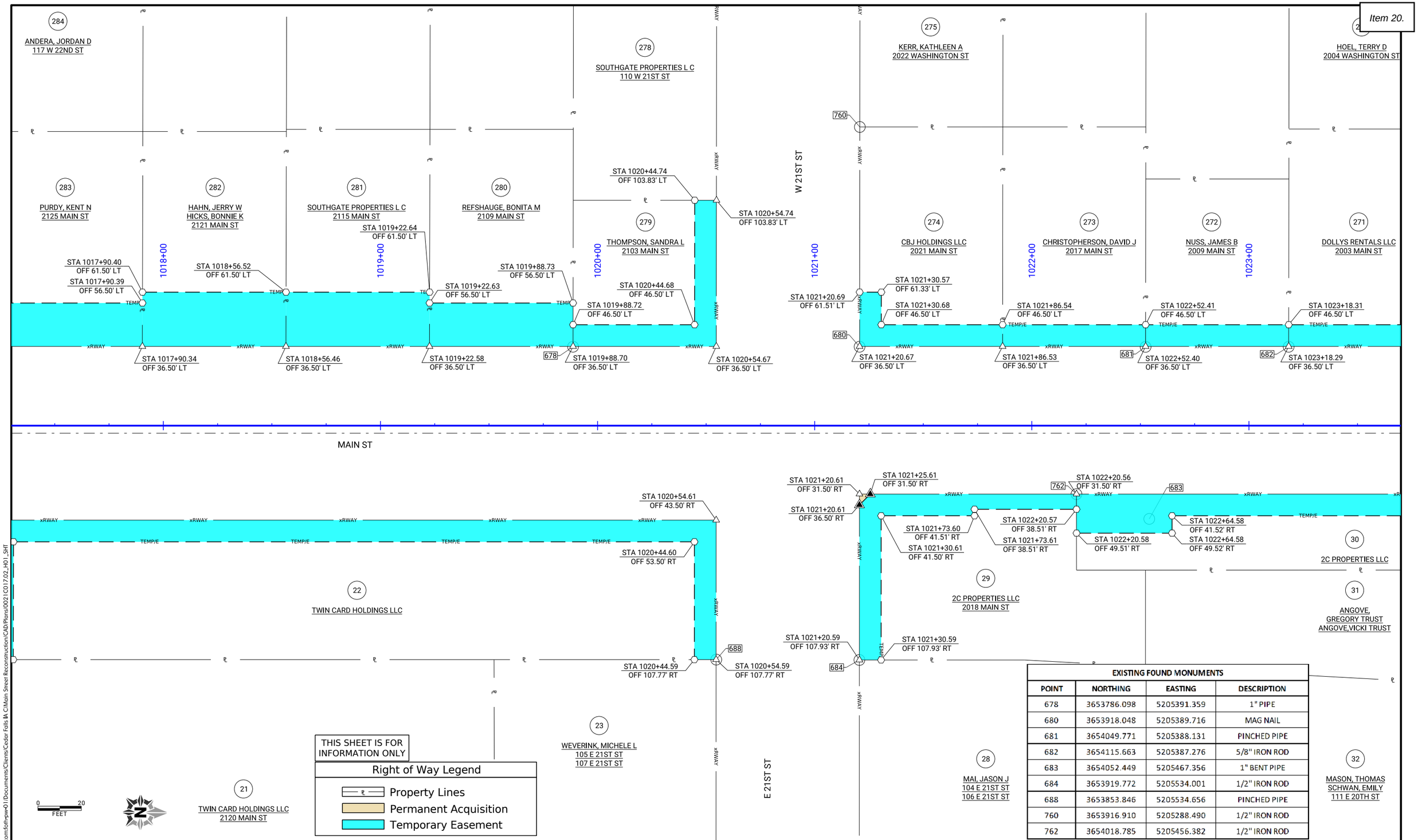

EXISTING FOUND MONUMENTS			
POINT	NORTHING	EASTING	DESCRIPTION
678	3653786.098	5205391.359	1" PIPE
680	3653918.048	5205389.716	MAG NAIL
681	3654049.771	5205388.131	PINCHED PIPE
682	3654115.663	5205387.276	5/8" IRON ROD
683	3654052.449	5205467.356	1" BENT PIPE
684	3653919.772	5205534.001	1/2" IRON ROD
688	3653853.846	5205534.656	PINCHED PIPE
760	3653916.910	5205288.490	1/2" IRON ROD
762	3654018.785	5205456.382	1/2" IRON ROD

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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: C. CARPER CHECKED BY: C. CARPER DRAWN BY: A. MUENCH
LETTING DATE: 11/15/2022 CAD DATE: 8/22/2022 2:35:23 PM
CAD FILE: c:\pw_workdir\pw_ie\fvd_kmw3\d0518375\0021C017.02_H01_SHT.dgn

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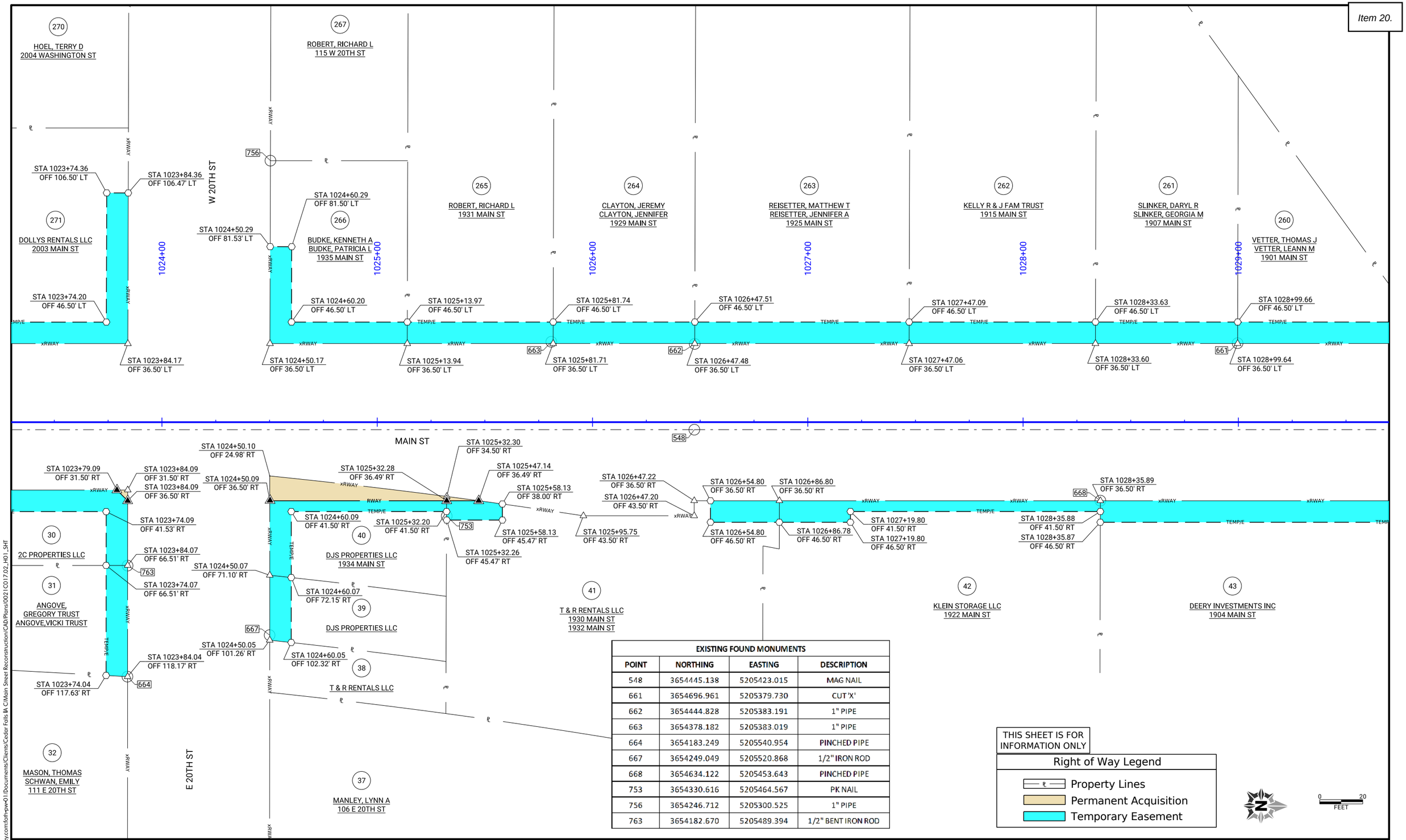
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
RIGHT-OF-WAY SHEETS

SHEET NO.
H.4
STBG-SWAP-1185(657)



EXISTING FOUND MONUMENTS			
POINT	NORTHING	EASTING	DESCRIPTION
548	3654445.138	5205423.015	MAG NAIL
661	3654696.961	5205379.730	CUT 'X'
662	3654444.828	5205383.191	1" PIPE
663	3654378.182	5205383.019	1" PIPE
664	3654183.249	5205540.954	PINCHED PIPE
667	3654249.049	5205520.868	1/2" IRON ROD
668	3654634.122	5205453.643	PINCHED PIPE
753	3654330.616	5205464.567	PK NAIL
756	3654246.712	5205300.525	1" PIPE
763	3654182.670	5205489.394	1/2" BENT IRON ROD

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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: C. CARPER CHECKED BY: C. CARPER DRAWN BY: A. MUENCH
LETTING DATE: 11/15/2022 CAD DATE: 8/22/2022 2:35:39 PM
CAD FILE: c:\pw_workdir\pw_ie\fvd_kmw3\d0518375\0021C017.02_H01_SHT.dgn

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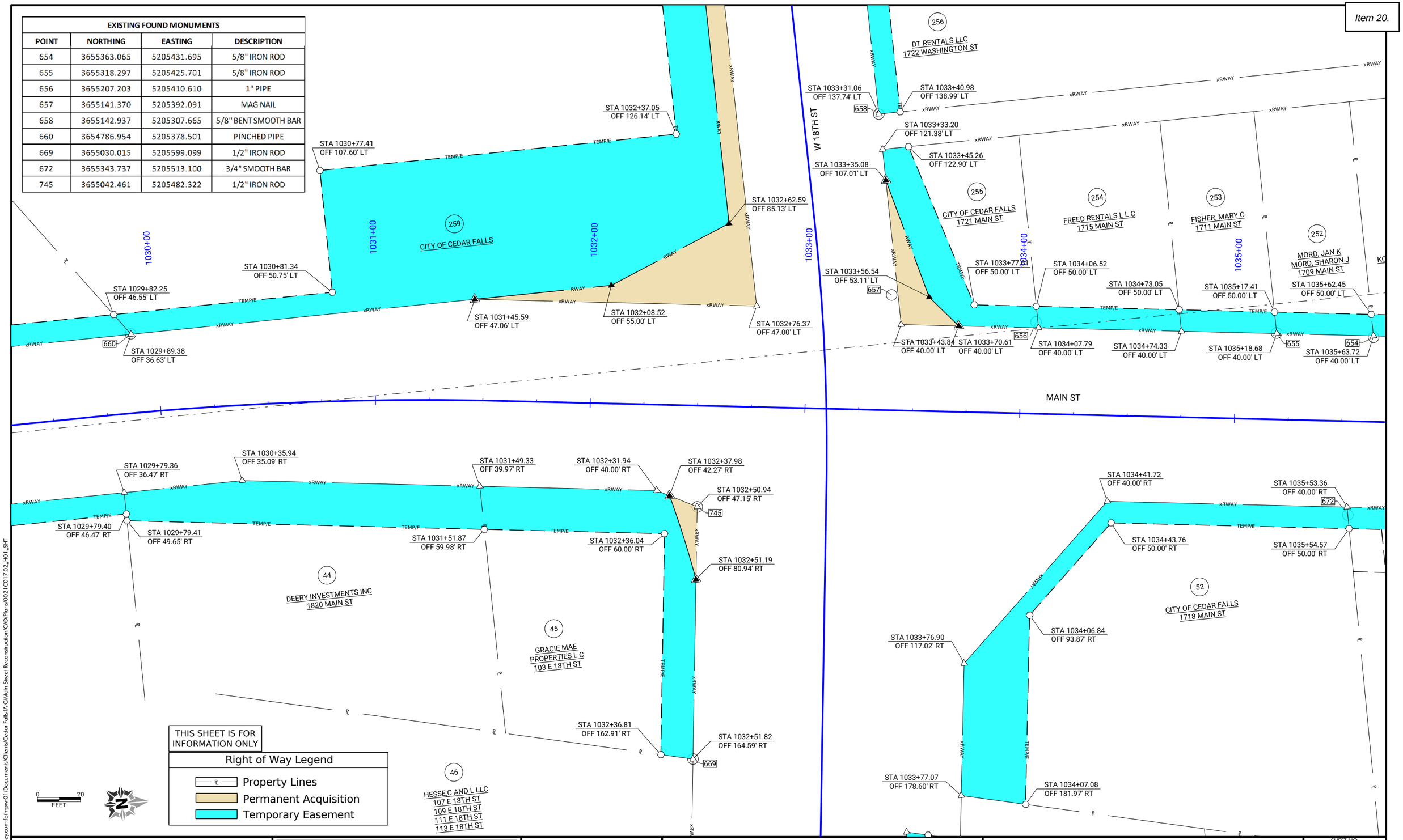
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
RIGHT-OF-WAY SHEETS

SHEET NO.
H.5
STBG-SWAP-1185(657)

EXISTING FOUND MONUMENTS			
POINT	NORTHING	EASTING	DESCRIPTION
654	3655363.065	5205431.695	5/8" IRON ROD
655	3655318.297	5205425.701	5/8" IRON ROD
656	3655207.203	5205410.610	1" PIPE
657	3655141.370	5205392.091	MAG NAIL
658	3655142.937	5205307.665	5/8" BENT SMOOTH BAR
660	3654786.954	5205378.501	PINCHED PIPE
669	3655030.015	5205599.099	1/2" IRON ROD
672	3655343.737	5205513.100	3/4" SMOOTH BAR
745	3655042.461	5205482.322	1/2" IRON ROD



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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: C. CARPER CHECKED BY: C. CARPER DRAWN BY: A. MUENCH
LETTING DATE: 11/15/2022 CAD DATE: 8/22/2022 2:35:56 PM
CAD FILE: c:\pw_workdir\pw_ie\fvd_kmw3\d0518375\0021C017.02_H01_SHT.dgn

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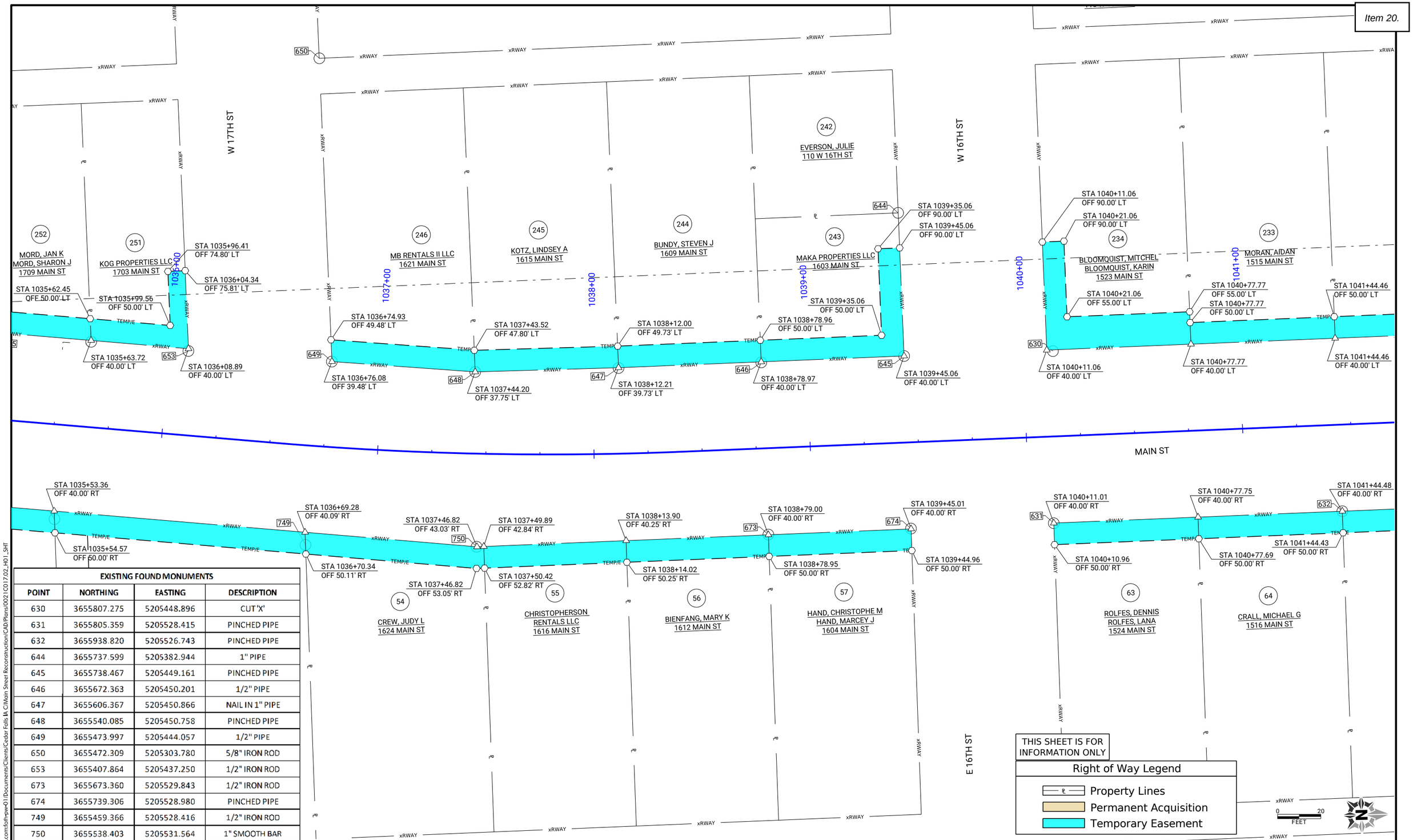
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
RIGHT-OF-WAY SHEETS

SHEET NO.
H.6
STBG-SWAP-1185(657



EXISTING FOUND MONUMENTS			
POINT	NORTHING	EASTING	DESCRIPTION
630	3655807.275	5205448.896	CUT 'X'
631	3655805.359	5205528.415	PINCHED PIPE
632	3655938.820	5205526.743	PINCHED PIPE
644	3655737.599	5205382.944	1" PIPE
645	3655738.467	5205449.161	PINCHED PIPE
646	3655672.363	5205450.201	1/2" PIPE
647	3655606.367	5205450.866	NAIL IN 1" PIPE
648	3655540.085	5205450.758	PINCHED PIPE
649	3655473.997	5205444.057	1/2" PIPE
650	3655472.309	5205303.780	5/8" IRON ROD
653	3655407.864	5205437.250	1/2" IRON ROD
673	3655673.360	5205529.843	1/2" IRON ROD
674	3655739.306	5205528.980	PINCHED PIPE
749	3655459.366	5205528.416	1/2" IRON ROD
750	3655538.403	5205531.564	1" SMOOTH BAR

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: C. CARPER CHECKED BY: C. CARPER DRAWN BY: A. MUENCH
LETTING DATE: 11/15/2022 CAD DATE: 8/22/2022 2:36:16 PM
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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
RIGHT-OF-WAY SHEETS

SHEET NO.
H.7
STBG-SWAP-1185(657)

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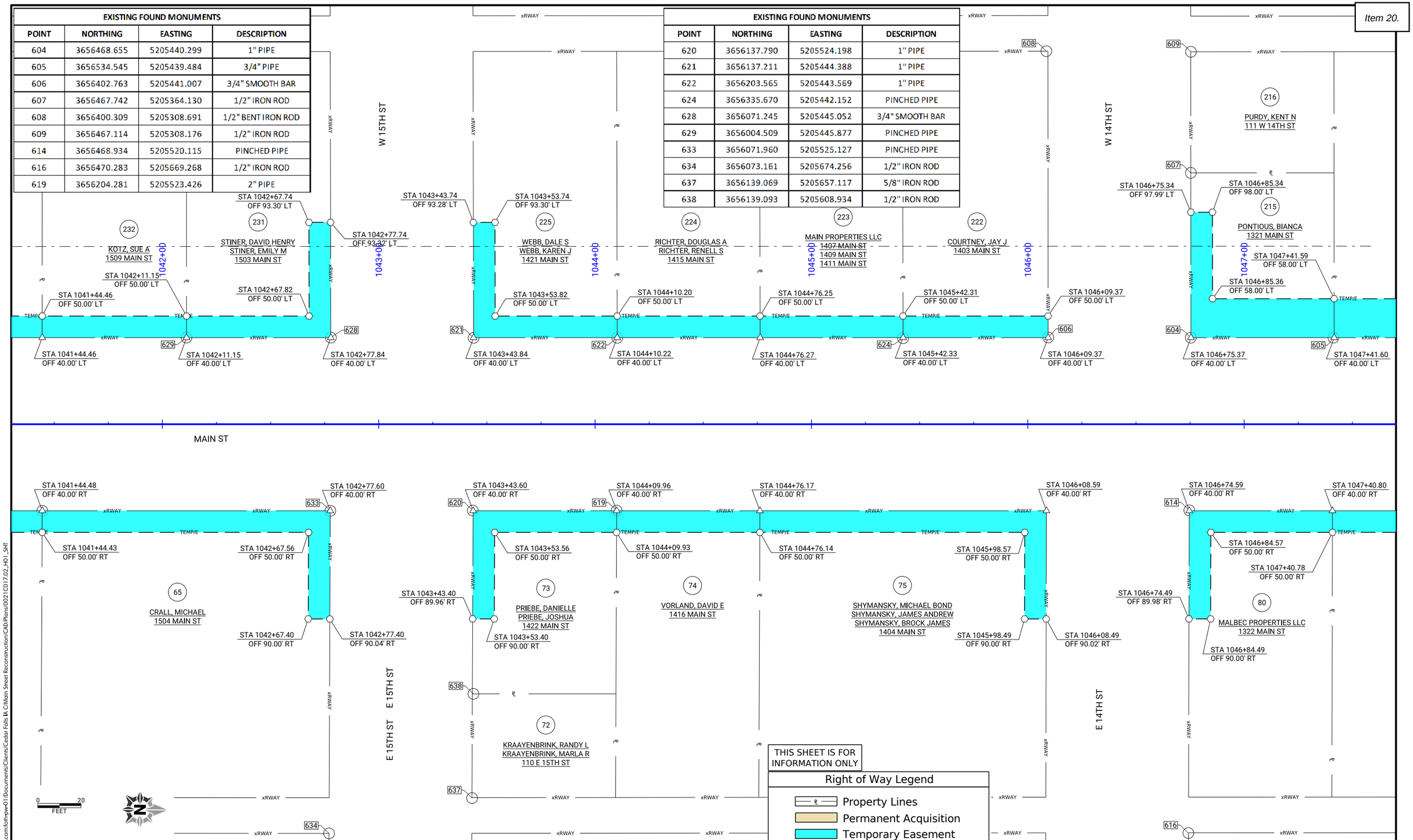
EXISTING FOUND MONUMENTS			
POINT	NORTHING	EASTING	DESCRIPTION
604	3656468.655	5205440.299	1" PIPE
605	3656534.545	5205439.484	3/4" PIPE
606	3656402.763	5205441.007	3/4" SMOOTH BAR
607	3656467.742	5205364.130	1/2" IRON ROD
608	3656400.309	5205308.691	1/2" BENT IRON ROD
609	3656467.114	5205308.176	1/2" IRON ROD
614	3656468.934	5205520.115	PINCHED PIPE
616	3656470.283	5205669.268	1/2" IRON ROD
619	3656204.281	5205523.426	2" PIPE

EXISTING FOUND MONUMENTS			
POINT	NORTHING	EASTING	DESCRIPTION
620	3656137.790	5205524.198	1" PIPE
621	3656137.211	5205444.388	1" PIPE
622	3656203.565	5205443.569	1" PIPE
624	3656335.670	5205442.152	PINCHED PIPE
628	3656071.245	5205445.052	3/4" SMOOTH BAR
629	3656004.509	5205445.877	PINCHED PIPE
633	3656071.960	5205525.127	PINCHED PIPE
634	3656073.161	5205674.256	1/2" IRON ROD
637	3656139.069	5205657.117	5/8" IRON ROD
638	3656139.093	5205608.934	1/2" IRON ROD



CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: C. CARPER CHECKED BY: C. CARPER DRAWN BY: A. MUENCH
LETTING DATE: 11/15/2022 CAD DATE: 8/22/2022 2:36:39 PM
CAD FILE: c:\pw_workdir\pw_ie\fvd_kmw3\d0518375\0021C017.02_H01_SHT.dgn

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
RIGHT-OF-WAY SHEETS

SHEET NO.
H.8
STBG-SWAP-1185(657)

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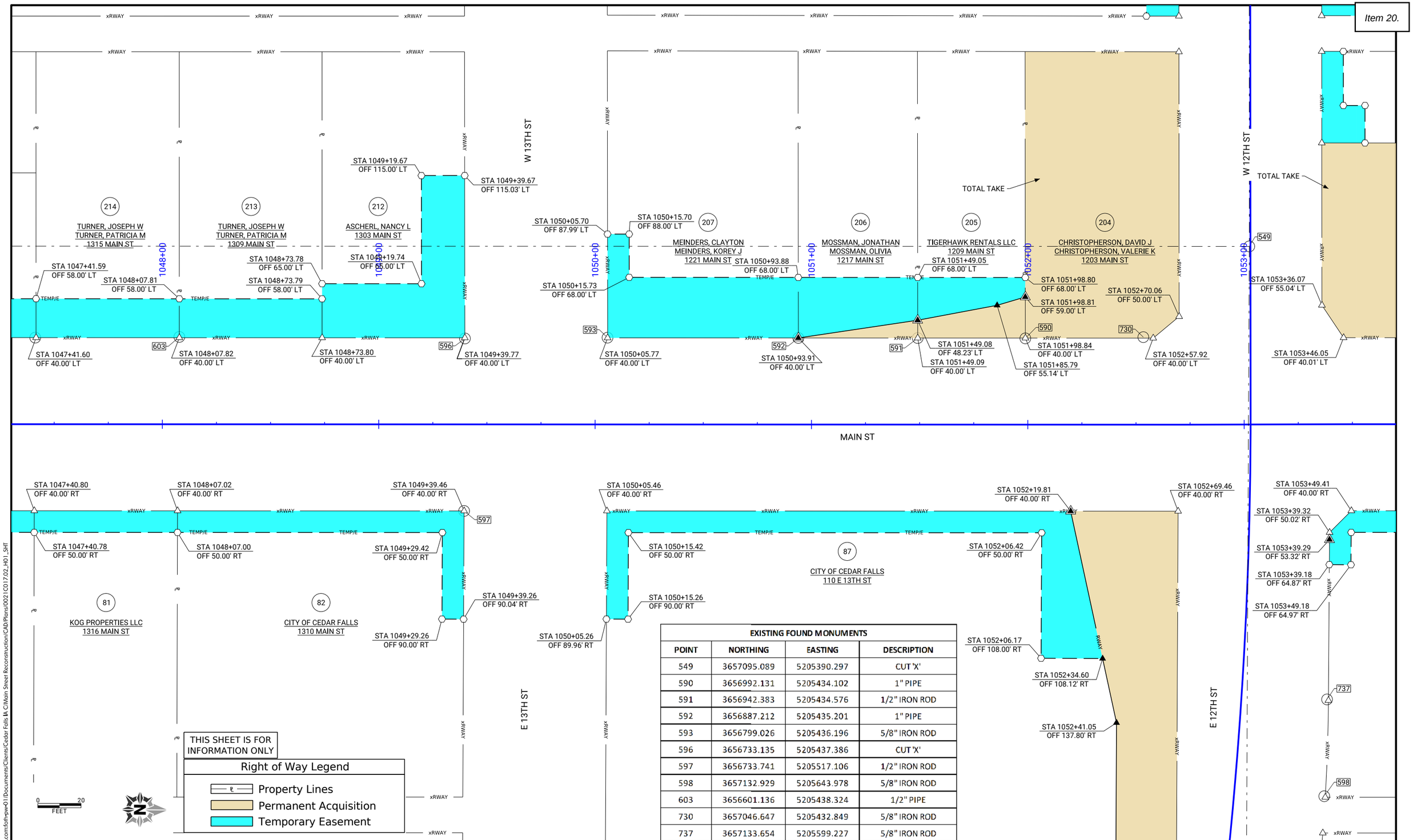

EXISTING FOUND MONUMENTS			
POINT	NORTHING	EASTING	DESCRIPTION
549	3657095.089	5205390.297	CUT 'X'
590	3656992.131	5205434.102	1" PIPE
591	3656942.383	5205434.576	1/2" IRON ROD
592	3656887.212	5205435.201	1" PIPE
593	3656799.026	5205436.196	5/8" IRON ROD
596	3656733.135	5205437.386	CUT 'X'
597	3656733.741	5205517.106	1/2" IRON ROD
598	3657132.929	5205643.978	5/8" IRON ROD
603	3656601.136	5205438.324	1/2" PIPE
730	3657046.647	5205432.849	5/8" IRON ROD
737	3657133.654	5205599.227	5/8" IRON ROD

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: C. CARPER CHECKED BY: C. CARPER DRAWN BY: A. MUENCH
LETTING DATE: 11/15/2022 CAD DATE: 8/22/2022 2:37:06 PM
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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
RIGHT-OF-WAY SHEETS

SHEET NO.
H.9

STBG-SWAP-1185(657

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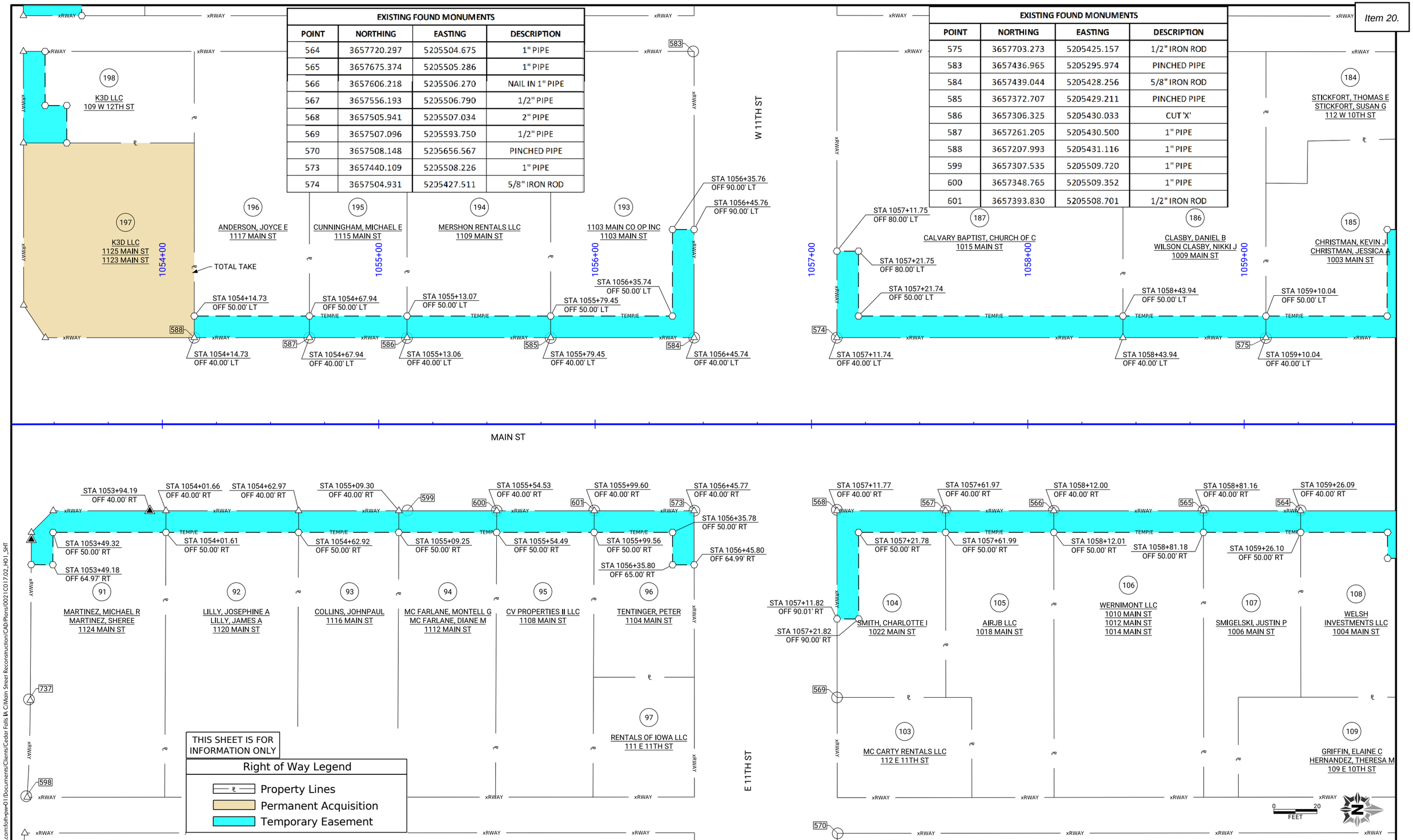
EXISTING FOUND MONUMENTS			
POINT	NORTHING	EASTING	DESCRIPTION
564	3657720.297	5205504.675	1" PIPE
565	3657675.374	5205505.286	1" PIPE
566	3657606.218	5205506.270	NAIL IN 1" PIPE
567	3657556.193	5205506.790	1/2" PIPE
568	3657505.941	5205507.034	2" PIPE
569	3657507.096	5205593.750	1/2" PIPE
570	3657508.148	5205656.567	PINCHED PIPE
573	3657440.109	5205508.226	1" PIPE
574	3657504.931	5205427.511	5/8" IRON ROD

EXISTING FOUND MONUMENTS			
POINT	NORTHING	EASTING	DESCRIPTION
575	3657703.273	5205425.157	1/2" IRON ROD
583	3657436.965	5205295.974	PINCHED PIPE
584	3657439.044	5205428.256	5/8" IRON ROD
585	3657372.707	5205429.211	PINCHED PIPE
586	3657306.325	5205430.033	CUT 'X'
587	3657261.205	5205430.500	1" PIPE
588	3657207.993	5205431.116	1" PIPE
599	3657307.535	5205509.720	1" PIPE
600	3657348.765	5205509.352	1" PIPE
601	3657393.830	5205508.701	1/2" IRON ROD



CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: C. CARPER CHECKED BY: C. CARPER DRAWN BY: A. MUENCH
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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
RIGHT-OF-WAY SHEETS

SHEET NO.
H.10
STBG-SWAP-1185(657

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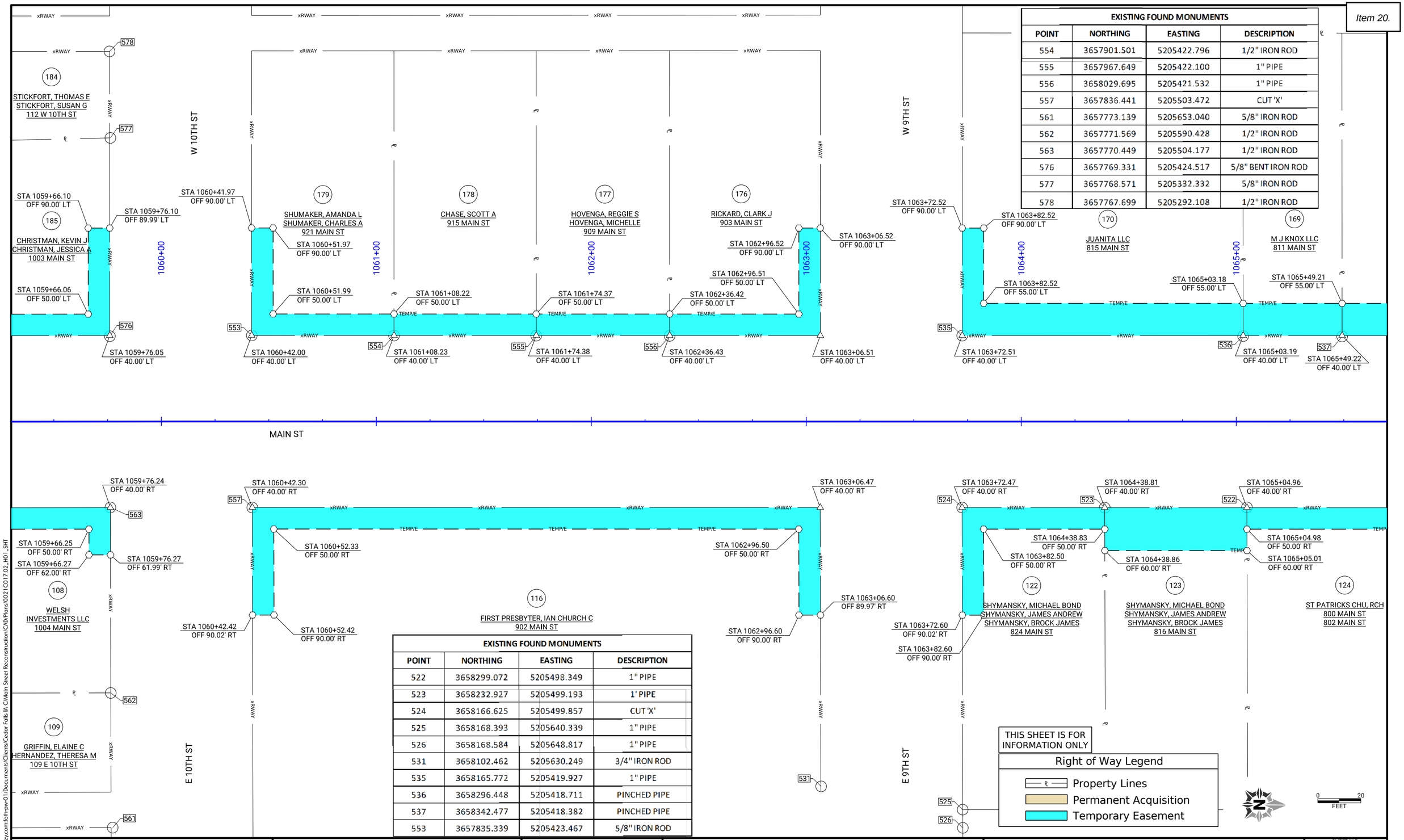

EXISTING FOUND MONUMENTS

POINT	NORTHING	EASTING	DESCRIPTION
554	3657901.501	5205422.796	1/2" IRON ROD
555	3657967.649	5205422.100	1" PIPE
556	3658029.695	5205421.532	1" PIPE
557	3657836.441	5205503.472	CUT 'X'
561	3657773.139	5205653.040	5/8" IRON ROD
562	3657771.569	5205590.428	1/2" IRON ROD
563	3657770.449	5205504.177	1/2" IRON ROD
576	3657769.331	5205424.517	5/8" BENT IRON ROD
577	3657768.571	5205332.332	5/8" IRON ROD
578	3657767.699	5205292.108	1/2" IRON ROD

EXISTING FOUND MONUMENTS

POINT	NORTHING	EASTING	DESCRIPTION
522	3658299.072	5205498.349	1" PIPE
523	3658232.927	5205499.193	1' PIPE
524	3658166.625	5205499.857	CUT 'X'
525	3658168.393	5205640.339	1" PIPE
526	3658168.584	5205648.817	1" PIPE
531	3658102.462	5205630.249	3/4" IRON ROD
535	3658165.772	5205419.927	1" PIPE
536	3658296.448	5205418.711	PINCHED PIPE
537	3658342.477	5205418.382	PINCHED PIPE
553	3657835.339	5205423.467	5/8" IRON ROD

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: C. CARPER CHECKED BY: C. CARPER DRAWN BY: A. MUENCH
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CAD FILE: c:\pw_workdir\pw_ie\fvd_kmw3\d0518375\0021C017.02_H01_SHT.dgn

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
RIGHT-OF-WAY SHEETS

SHEET NO.
H.11
STBG-SWAP-1185(657

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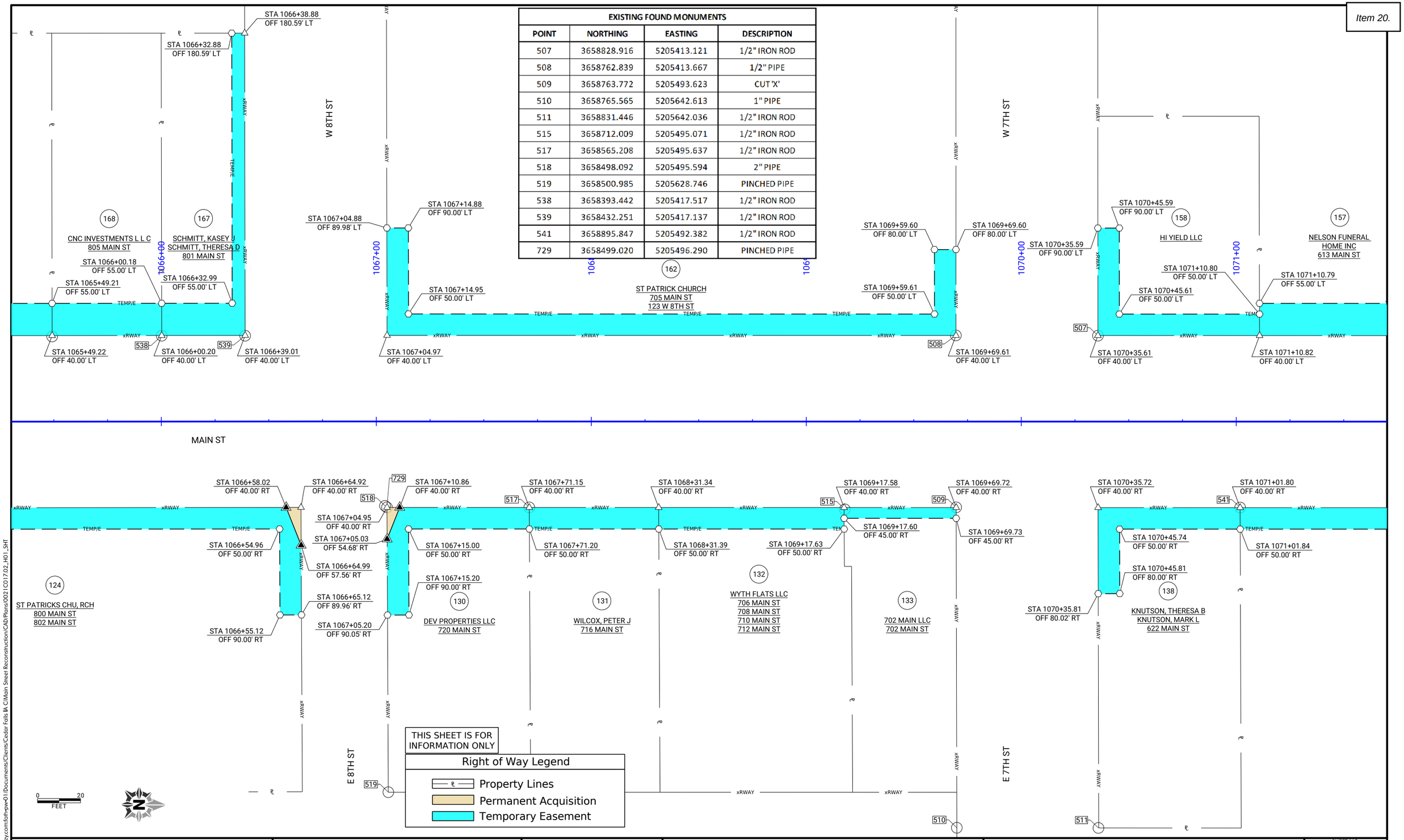
EXISTING FOUND MONUMENTS			
POINT	NORTHING	EASTING	DESCRIPTION
507	3658828.916	5205413.121	1/2" IRON ROD
508	3658762.839	5205413.667	1/2" PIPE
509	3658763.772	5205493.623	CUT 'X'
510	3658765.565	5205642.613	1" PIPE
511	3658831.446	5205642.036	1/2" IRON ROD
515	3658712.009	5205495.071	1/2" IRON ROD
517	3658565.208	5205495.637	1/2" IRON ROD
518	3658498.092	5205495.594	2" PIPE
519	3658500.985	5205628.746	PINCHED PIPE
538	3658393.442	5205417.517	1/2" IRON ROD
539	3658432.251	5205417.137	1/2" IRON ROD
541	3658895.847	5205492.382	1/2" IRON ROD
729	3658499.020	5205496.290	PINCHED PIPE



CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: C. CARPER CHECKED BY: C. CARPER DRAWN BY: A. MUENCH
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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
RIGHT-OF-WAY SHEETS

SHEET NO.
H.12
STBG-SWAP-1185(657)

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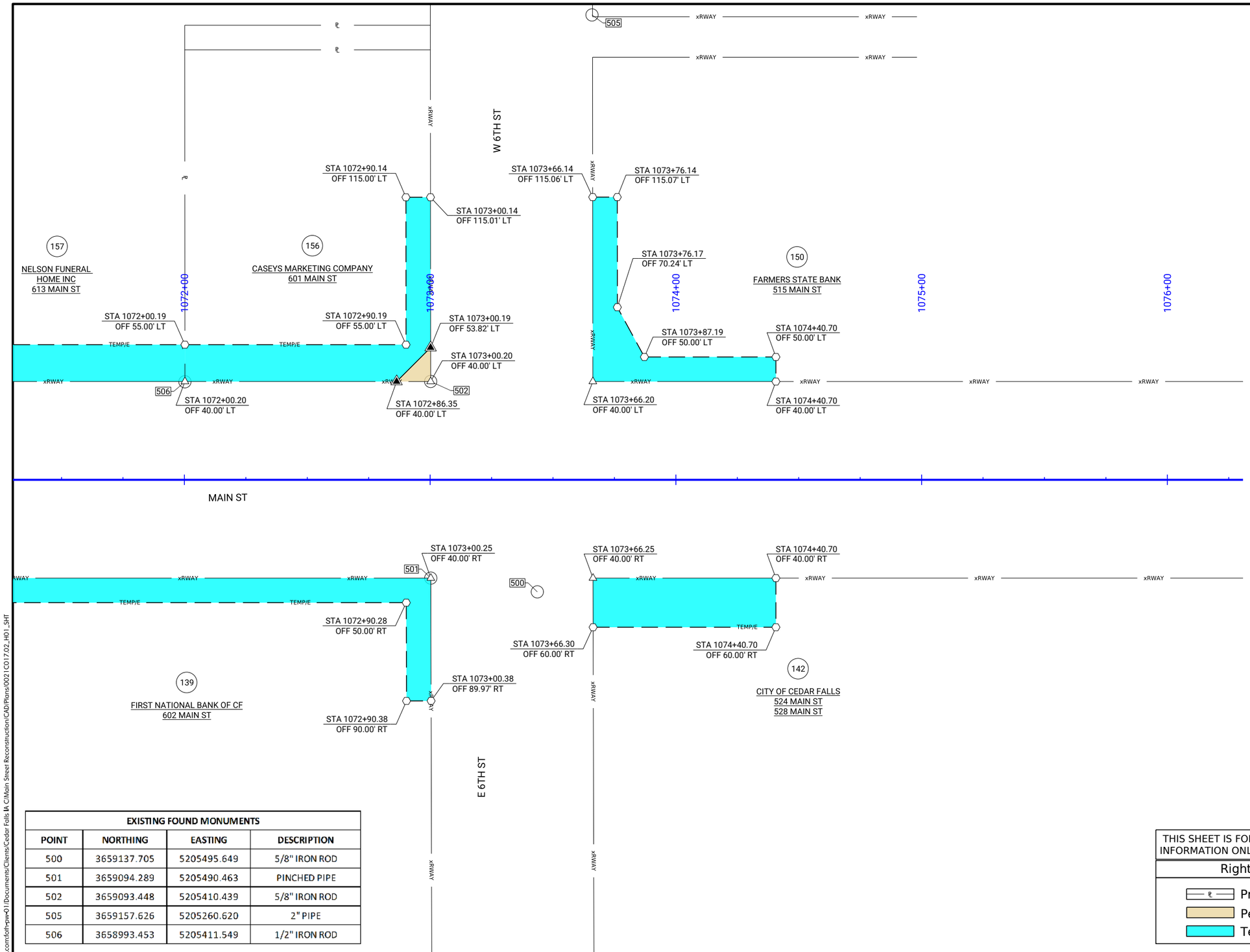

EXISTING FOUND MONUMENTS			
POINT	NORTHING	EASTING	DESCRIPTION
500	3659137.705	5205495.649	5/8" IRON ROD
501	3659094.289	5205490.463	PINCHED PIPE
502	3659093.448	5205410.439	5/8" IRON ROD
505	3659157.626	5205260.620	2" PIPE
506	3658993.453	5205411.549	1/2" IRON ROD

THIS SHEET IS FOR INFORMATION ONLY

Right of Way Legend

- Property Lines
- Permanent Acquisition
- Temporary Easement

0 20 FEET

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: C. CARPER CHECKED BY: C. CARPER DRAWN BY: A. MUENCH
LETTING DATE: 11/15/2022 CAD DATE: 8/22/2022 2:39:07 PM
CAD FILE: c:\pw_workdir\pw_ie\fvd_kmw3\d0518375\0021C017.02_H01_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
RIGHT-OF-WAY SHEETS

SHEET NO.
H.13
STBG-SWAP-1185(657

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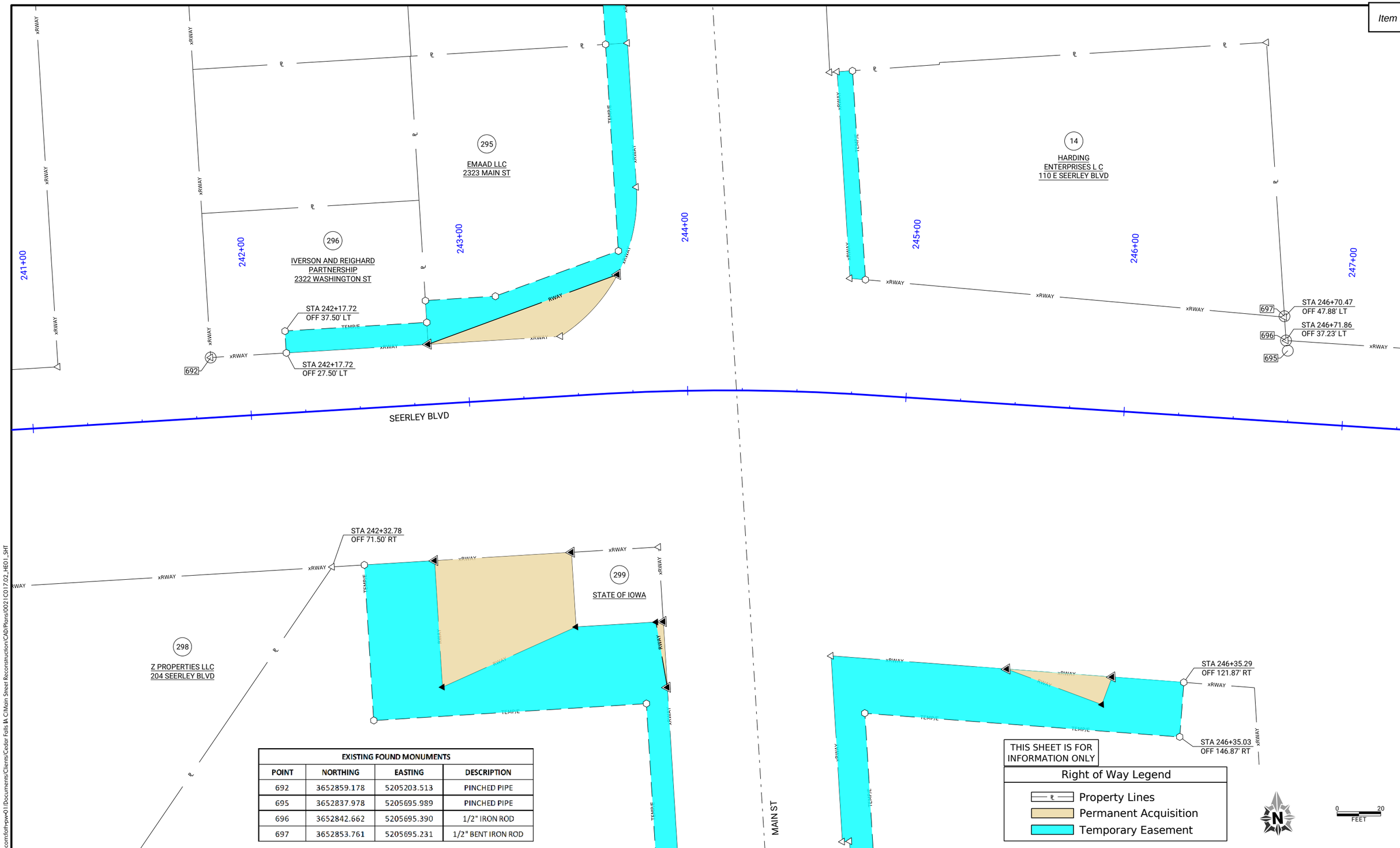

EXISTING FOUND MONUMENTS			
POINT	NORTHING	EASTING	DESCRIPTION
692	3652859.178	5205203.513	PINCHED PIPE
695	3652837.978	5205695.989	PINCHED PIPE
696	3652842.662	5205695.390	1/2" IRON ROD
697	3652853.761	5205695.231	1/2" BENT IRON ROD

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: C. CARPER CHECKED BY: C. CARPER DRAWN BY: A. MUENCH
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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

RIGHT-OF-WAY SHEETS

SHEET NO.
HE.1
STBG-SWAP-1185(657)

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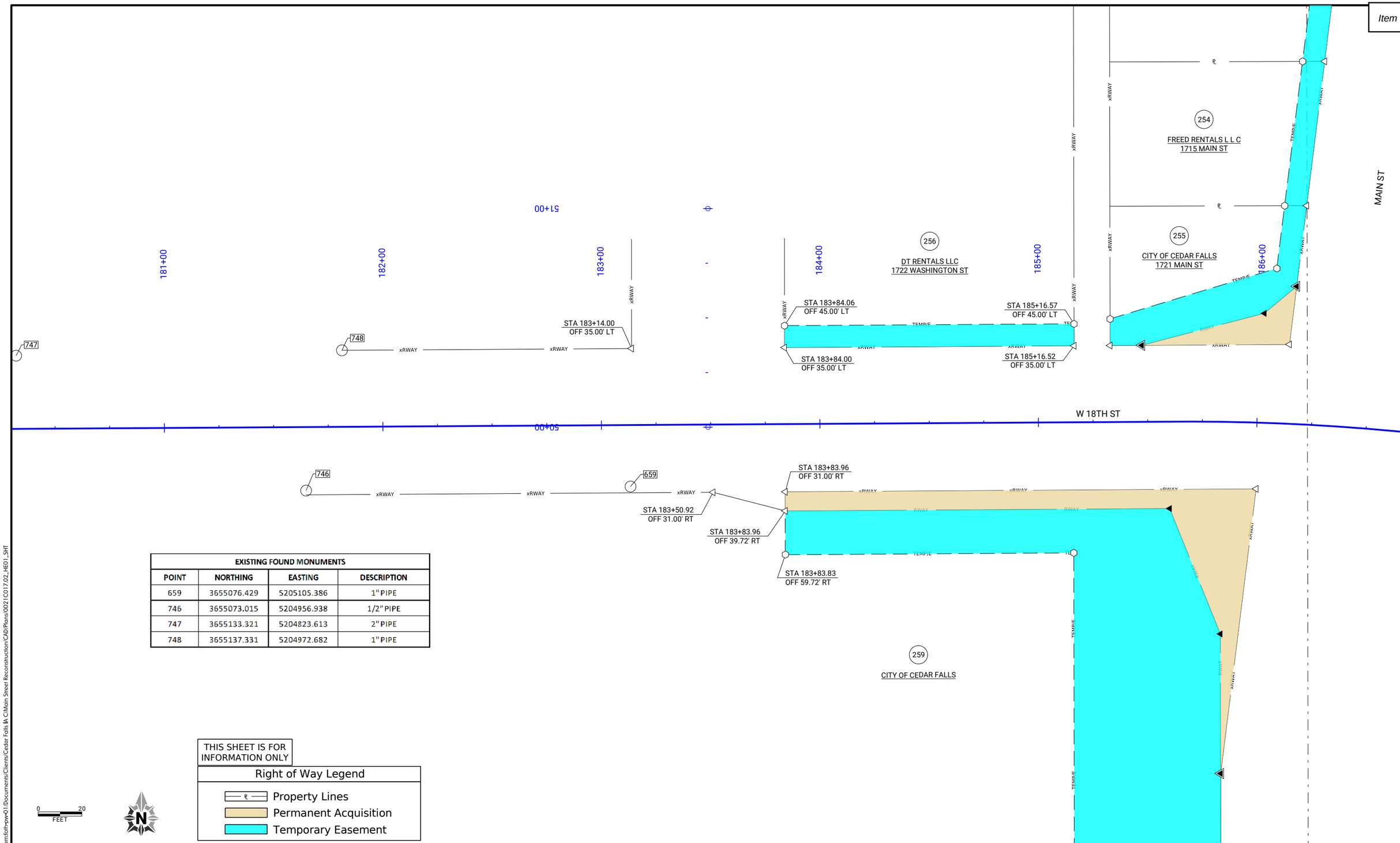

EXISTING FOUND MONUMENTS			
POINT	NORTHING	EASTING	DESCRIPTION
659	3655076.429	5205105.386	1" PIPE
746	3655073.015	5204956.938	1/2" PIPE
747	3655133.321	5204823.613	2" PIPE
748	3655137.331	5204972.682	1" PIPE

THIS SHEET IS FOR INFORMATION ONLY

Right of Way Legend

- ℄ Property Lines
- Permanent Acquisition
- Temporary Easement

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: C. CARPER CHECKED BY: C. CARPER DRAWN BY: A. MUENCH
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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

RIGHT-OF-WAY SHEETS

SHEET NO.
HE.2
STBG-SWAP-1185(657)

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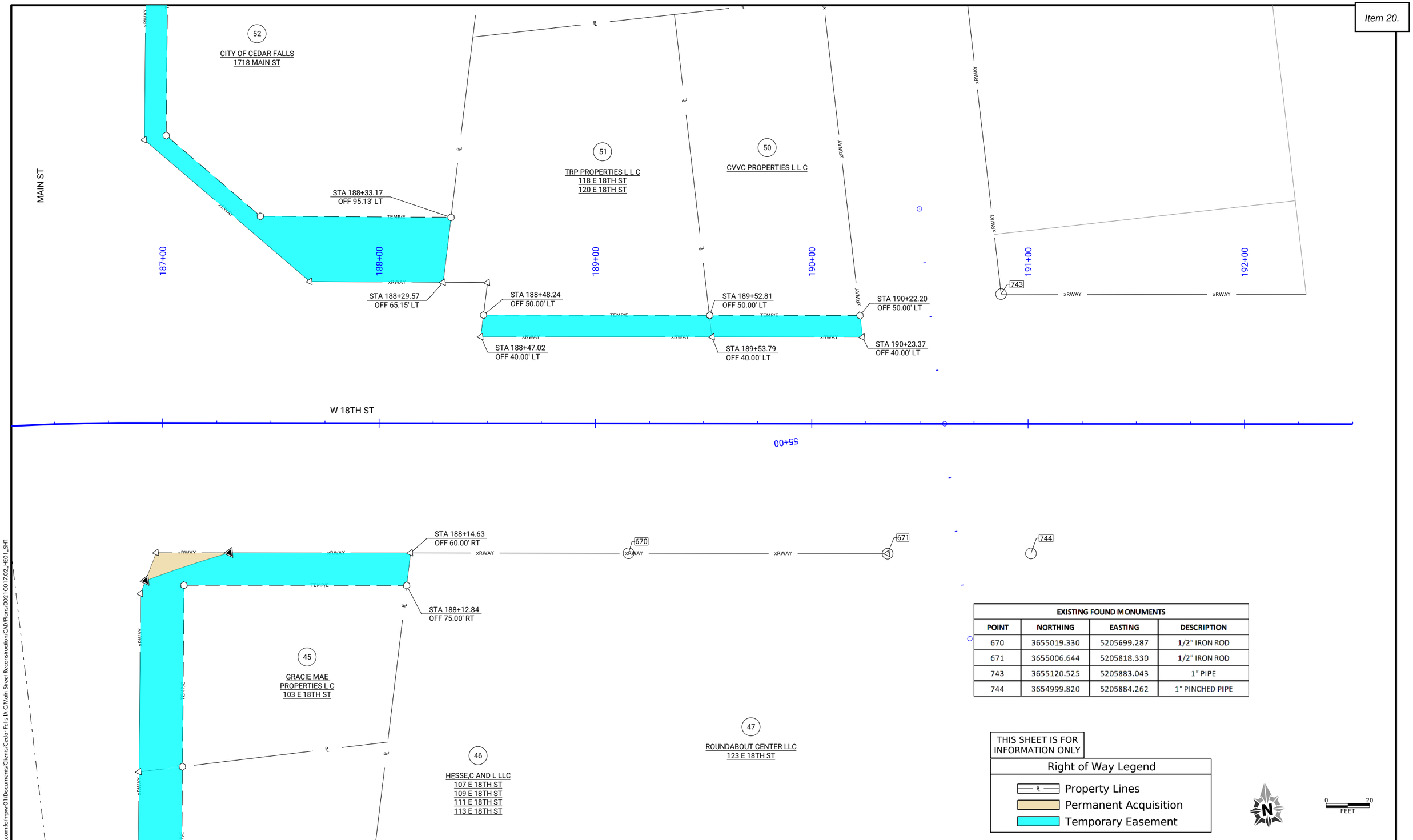

EXISTING FOUND MONUMENTS			
POINT	NORTHING	EASTING	DESCRIPTION
670	3655019.330	5205699.287	1/2" IRON ROD
671	3655006.644	5205818.330	1/2" IRON ROD
743	3655120.525	5205883.043	1" PIPE
744	3654999.820	5205884.262	1" PINCHED PIPE

THIS SHEET IS FOR INFORMATION ONLY

Right of Way Legend

- Property Lines
- Permanent Acquisition
- Temporary Easement

0 20 FEET

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

RIGHT-OF-WAY SHEETS

SHEET NO.
HE.3
STBG-SWAP-1185(657

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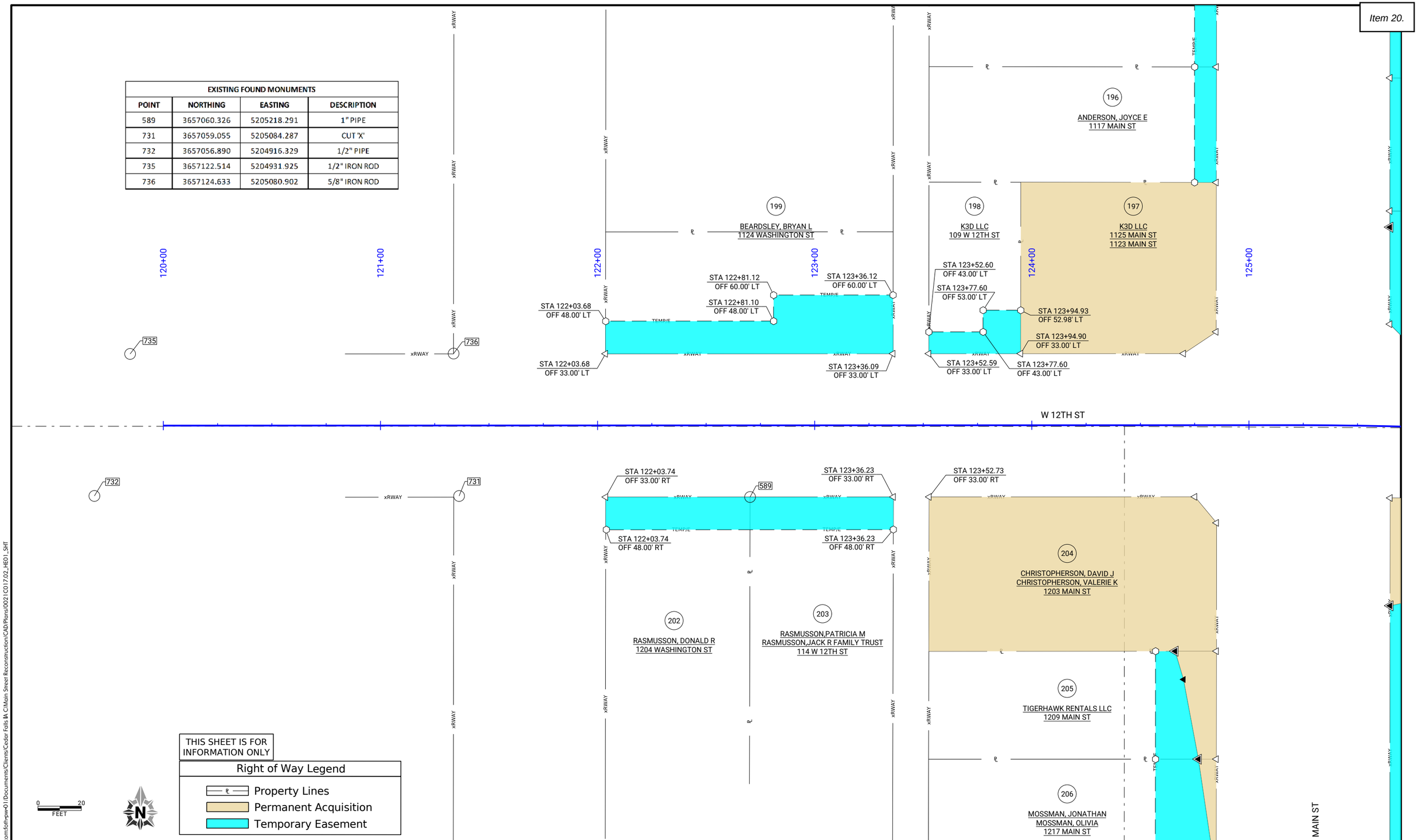
EXISTING FOUND MONUMENTS			
POINT	NORTHING	EASTING	DESCRIPTION
589	3657060.326	5205218.291	1" PIPE
731	3657059.055	5205084.287	CUT 'X'
732	3657056.890	5204916.329	1/2" PIPE
735	3657122.514	5204931.925	1/2" IRON ROD
736	3657124.633	5205080.902	5/8" IRON ROD



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Right of Way Legend

- Property Lines
- Permanent Acquisition
- Temporary Easement

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
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LETTING DATE: 11/15/2022 CAD DATE: 8/23/2022 12:22:55 PM
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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

RIGHT-OF-WAY SHEETS

SHEET NO.
HE.4
STBG-SWAP-1185(657

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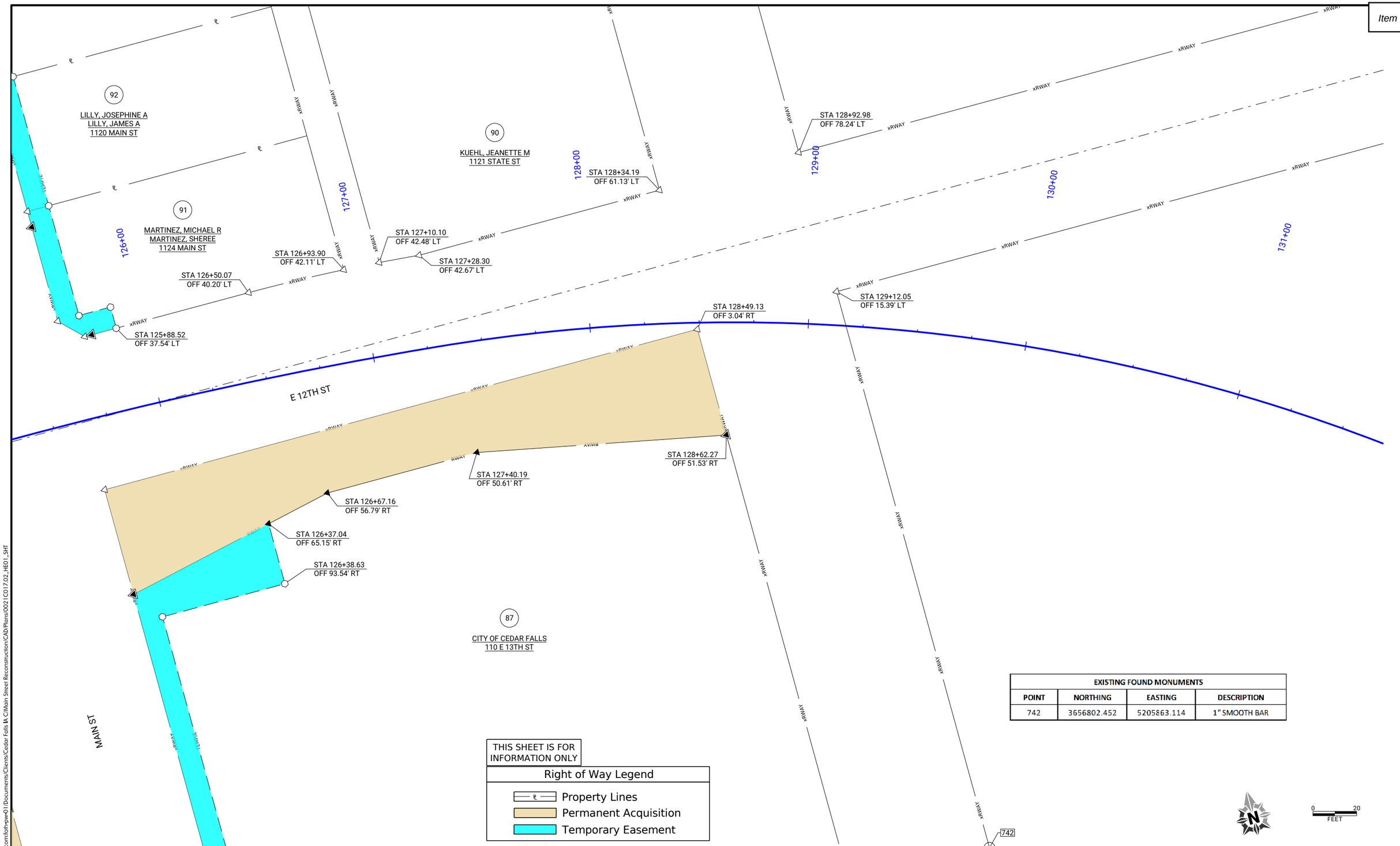

EXISTING FOUND MONUMENTS			
POINT	NORTHING	EASTING	DESCRIPTION
742	3656802.452	5205863.114	1" SMOOTH BAR

THIS SHEET IS FOR INFORMATION ONLY

Right of Way Legend

- Property Lines
- Permanent Acquisition
- Temporary Easement

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: C. CARPER CHECKED BY: C. CARPER DRAWN BY: A. MUENCH
LETTING DATE: 11/15/2022 CAD DATE: 8/23/2022 12:22:56 PM
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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

RIGHT-OF-WAY SHEETS

SHEET NO.
HE.5
STBG-SWAP-1185(657

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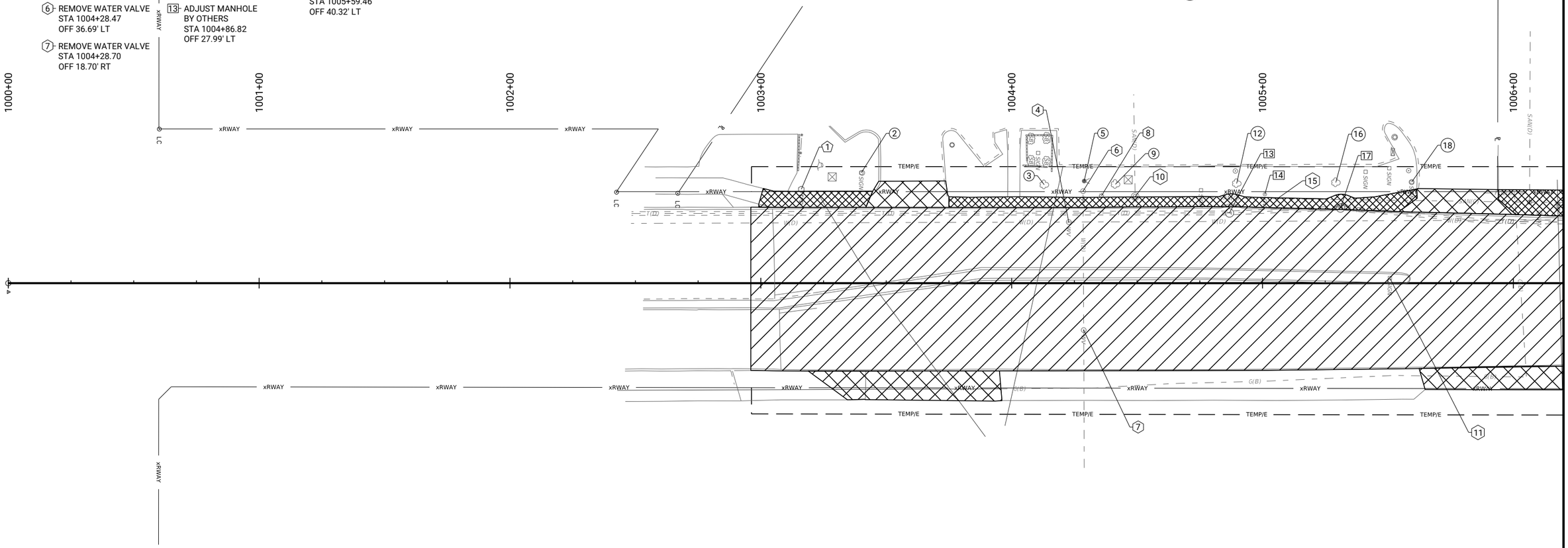
1. RELOCATE PEDESTAL BY OTHERS STA 1003+16.13 OFF 35.40' LT
2. PROTECT SIGN STA 1000+34.33 OFF 42.12' LT
3. PROTECT TREE STA 1004+12.98 OFF 39.26' LT
4. REMOVE WATER VALVE STA 1004+22.78 OFF 24.38' LT
5. PROTECT FIRE HYDRANT STA 1004+28.92 OFF 40.73' LT
6. REMOVE WATER VALVE STA 1004+28.47 OFF 36.69' LT
7. REMOVE WATER VALVE STA 1004+28.70 OFF 18.70' RT
8. REMOVE LIGHT POLE STA 1004+35.79 OFF 34.84' LT
9. PROTECT TREE STA 1004+41.36 OFF 39.45' LT
10. REMOVE MANHOLE STA 1004+49.22 OFF 34.53' LT
11. REMOVE SIGN STA 1005+50.77 OFF 2.02' LT
12. PROTECT TREE STA 1004+89.70 OFF 39.75' LT
13. ADJUST MANHOLE BY OTHERS STA 1004+86.82 OFF 27.99' LT
14. ADJUST GAS VALVE BY OTHERS STA 1005+00.96 OFF 33.45' LT
15. REMOVE 158 LF OF SANITARY PIPE STA 1005+05.97 OFF 31.69' LT
16. PROTECT TREE STA 1005+29.23 OFF 40.13' LT
17. ADJUST MANHOLE BY OTHERS STA 1005+31.09 OFF 29.98' LT
18. PROTECT SIGN STA 1005+59.46 OFF 40.32' LT



CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: A. MUENCH	CHECKED BY: C. CARPER	DRAWN BY: A. MUENCH	
LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022	12:38:22 PM	
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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET REMOVALS

SHEET NO.
I.1

STBG-SWAP-1185(657)

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Falls IA C/Main Street Reconstruction/CAD/Plans/0021C017.02_I01_SHT

1 REMOVE MANHOLE
STA 1006+07.67
OFF 33.14' LT

2 RELOCATE UTILITY BOX
BY OTHERS
STA 1006+17.86
OFF 30.97' LT

3 REMOVE LIGHT POLE
STA 1006+23.31
OFF 31.17' LT

4 PROTECT LIGHT POLE
STA 1006+37.62
OFF 41.19' LT

5 REMOVE MANHOLE
STA 1006+44.87
OFF 36.49' LT

6 PROTECT SIGN
STA 1006+67.09
OFF 38.99' LT

7 PROTECT LIGHT POLE
STA 1007+02.69
OFF 41.72' LT

8 REMOVE INTAKE
STA 1007+38.62
OFF 32.06' RT

9 REMOVE 10 LF OF
STORM PIPE
STA 1007+37.58
OFF 29.00' LT

10 REMOVE MANHOLE
STA 1007+38.05
OFF 22.44' RT

11 REMOVE 53 LF OF
STORM PIPE
STA 1007+36.59
OFF 9.66' RT

12 REMOVE INTAKE
STA 1007+40.03
OFF 27.68' LT

13 PROTECT LIGHT POLE
STA 1007+60.43
OFF 44.09' LT

14 REMOVE LIGHT POLE
STA 1007+64.63
OFF 40.36' LT

15 RELOCATE MANHOLE
(BY OTHERS)
STA 1007+90.70
OFF 31.28' RT

16 REMOVE 203 LF OF
STORM PIPE
STA 1008+39.11
OFF 27.84' RT

17 REMOVE MANHOLE
STA 1008+83.55
OFF 32.42' LT

18 RELOCATE POLE
(BY OTHERS)
STA 1009+20.66
OFF 37.09' LT

19 REMOVE MANHOLE
STA 1009+40.38
OFF 27.42' RT

20 REMOVE 85 LF OF
RETAINING WALL
STA 1009+54.86
OFF 26.53' LT

21 REMOVE 92 LF OF
RETAINING WALL
STA 1009+74.27
OFF 29.92' RT

22 REMOVE WATER VALVE
STA 1010+04.15
OFF 3.66' RT

23 REMOVE WATER
VALVE
STA 1010+67.43
OFF 17.81' RT

24 REMOVE INTAKE
STA 1010+11.49
OFF 45.64' LT

25 REMOVE SIGNAL POLE
STA 1010+58.10
OFF 169.19' LT

26 REMOVE 49 LF OF
STORM PIPE
STA 1010+32.54
OFF 45.57' LT

27 REMOVE MANHOLE
STA 1010+11.39
OFF 45.14' RT

28 REMOVE 16 LF OF
RETAINING WALL
STA 1009+54.86
OFF 26.53' LT

29 REMOVE SIGNAL POLE
STA 1010+11.10
OFF 51.49' RT

30 RELOCATE POLE
(BY OTHERS)
STA 1010+11.11
OFF 61.89' RT

31 REMOVE PEDESTAL
(BY OTHERS)
STA 1010+11.21
OFF 64.03' RT

32 REMOVE SIGN
STA 1010+09.27
OFF 89.77' RT

33 RELOCATE POLE
(BY OTHERS)
STA 1010+03.02
OFF 106.58' RT

34 REMOVE PEDESTAL
(BY OTHERS)
STA 1010+02.55
OFF 108.77' RT

35 REMOVE SIGN
STA 1009+94.40
OFF 163.33' RT

36 REMOVE SIGN
STA 1010+45.07
OFF 168.96' RT

37 PROTECT SIGN
STA 1010+83.36
OFF 73.61' RT

38 REMOVE SIGNAL POLE
STA 1010+85.56
OFF 50.47' RT

39 REMOVE UTILITY BOX
STA 1010+93.00
OFF 50.29' RT

40 REMOVE MANHOLE
(BY OTHERS)
STA 1010+93.03
OFF 48.46' RT

41 RELOCATE POLE
(BY OTHERS)
STA 1011+03.64
OFF 58.03' RT

42 REMOVE 23 LF OF
STORM PIPE
STA 1010+95.80
OFF 32.21' RT

43 REMOVE INTAKE
STA 1011+03.73
OFF 38.44' RT

44 REMOVE HYDRANT
STA 1011+25.82
OFF 46.67' RT

45 REMOVE WATER VALVE
STA 1011+25.14
OFF 43.63' RT

46 ADJUST MANHOLE
(BY OTHERS)
STA 1011+57.42
OFF 53.89' RT

47 REMOVE SIGN
STA 1010+53.88
OFF 178.65' LT

48 PROTECT TREE
STA 1010+72.01
OFF 179.93' LT

49 REMOVE SIGN
STA 1010+55.62
OFF 134.47' LT

50 PROTECT TREE
STA 1010+71.09
OFF 143.06' LT

51 REMOVE INTAKE
STA 1010+59.64
OFF 37.58' LT

52 REMOVE SIGNAL POLE
STA 1010+64.78
OFF 47.89' LT

53 REMOVE BOLLARD
STA 1010+72.61
OFF 53.03' LT

54 REMOVE MANHOLE
(BY OTHERS)
STA 1010+73.92
OFF 43.65' LT

55 REMOVE BOLLARD
STA 1010+79.43
OFF 43.24' LT

56 REMOVE SIGN FOOTING
SIGN TO BE REMOVED BY OWNER
STA 1010+88.42
OFF 41.13' LT

57 REMOVE BOLLARD
STA 1010+79.38
OFF 37.14' LT

58 REMOVE MANHOLE
(BY OTHERS)
STA 1010+86.40
OFF 37.32' LT

59 REMOVE 66 LF OF
STORM PIPE
STA 1010+84.33
OFF 14.43' RT

60 REMOVE MANHOLE
STA 1010+87.88
OFF 21.91' RT

61 REMOVE 320 LF OF
STORM PIPE
STA 1011+39.73
OFF 22.20' RT

62 REMOVE MANHOLE
(BY OTHERS)
STA 1011+55.74
OFF 18.91' LT

63 REMOVE 240 LF
SANITARY SEWER PIPE
STA 1008+59.81
OFF 29.98' LT

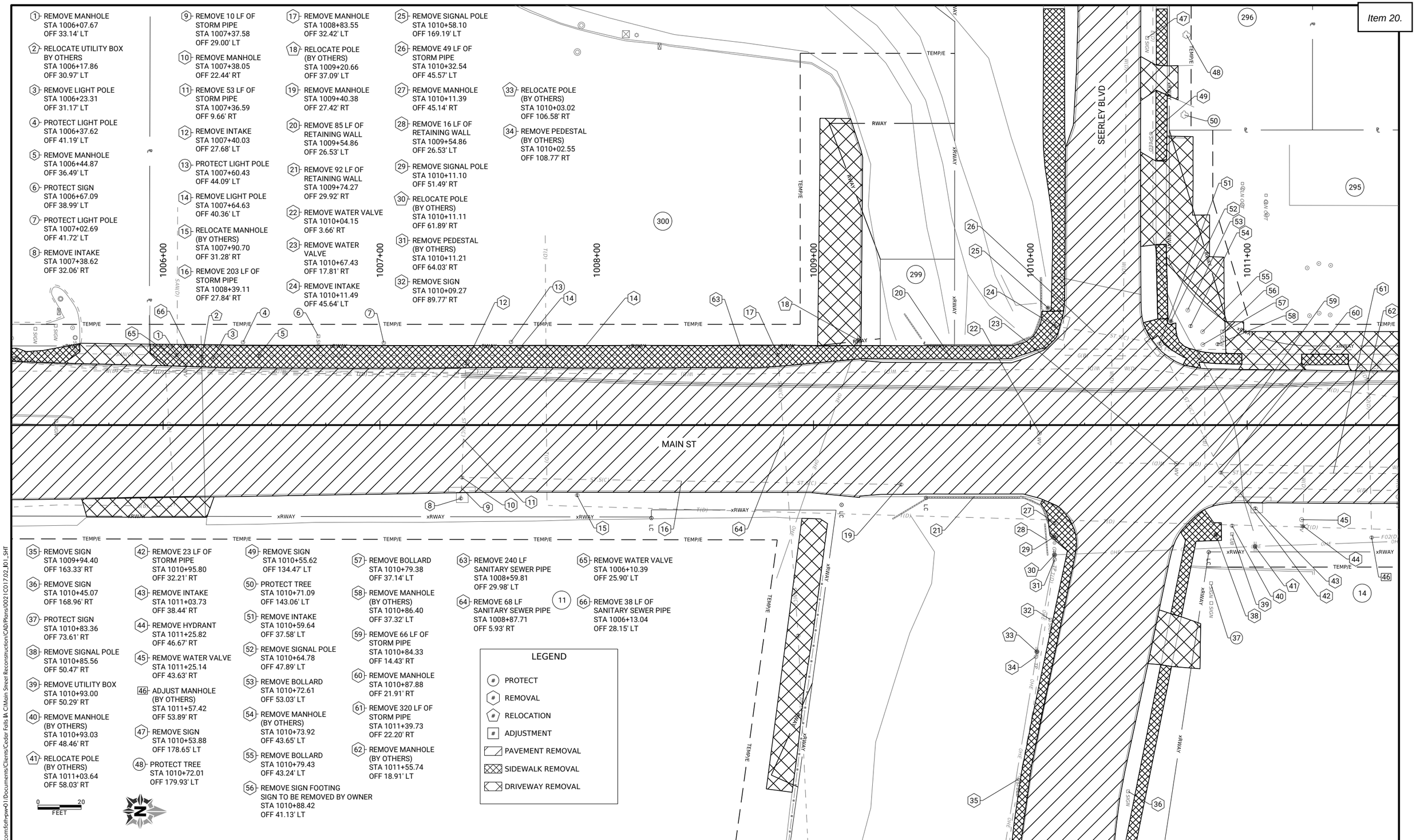
64 REMOVE 68 LF
SANITARY SEWER PIPE
STA 1008+87.71
OFF 5.93' RT

65 REMOVE WATER VALVE
STA 1006+10.39
OFF 25.90' LT

66 REMOVE 38 LF OF
SANITARY SEWER PIPE
STA 1006+13.04
OFF 28.15' LT

LEGEND

- PROTECT
- REMOVAL
- RELOCATION
- ADJUSTMENT
- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- DRIVEWAY REMOVAL



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FEET

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: A. MUENCH	CHECKED BY: C. CARPER	DRAWN BY: A. MUENCH	
LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022	12:38:27 PM	
CAD FILE: c:\pw_workdir\pw_ie\fvd_amm\d0518375\0021C017.02_I01_SHT.dgn			

NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
REMOVALS

SHEET NO.
I.2
STBG-SWAP-1185(657)

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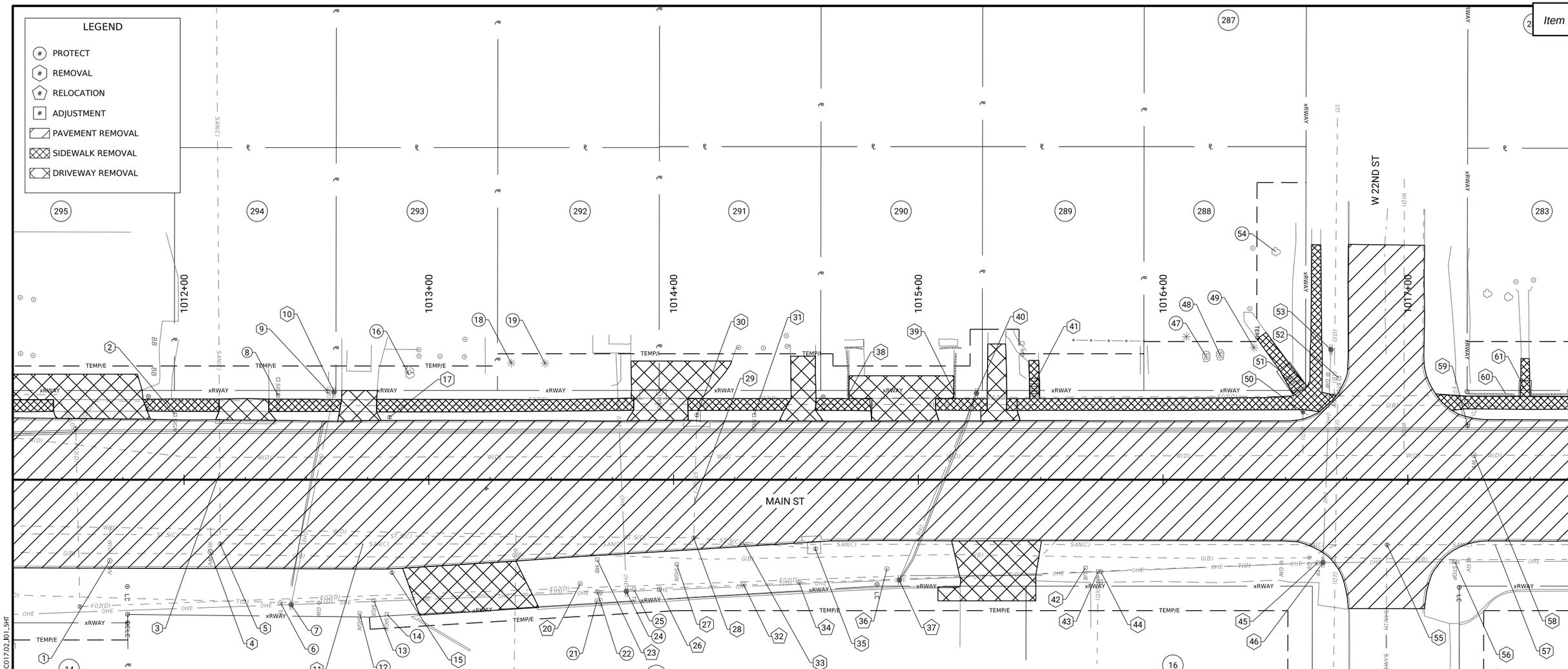


1 REMOVE WATER VALVE
STA 1010+77.67
OFF 25.19' LT

2 REMOVE SIGN
STA 1011+43.79
OFF 26.63' LT

3 REMOVE 60 LF SANITARY PIPE
STA 1012+14.60
OFF 3.02' RT

4 REMOVE WATER VALVE
STA 1012+10.73
OFF 29.57' RT

5 REMOVE MANHOLE
STA 1012+15.31
OFF 26.08' RT

6 PROTECT PEDESTAL
STA 1012+39.35
OFF 50.24' RT

7 PROTECT POLE
STA 1012+43.77
OFF 51.06' RT

8 PROTECT SIGN
STA 1012+38.39
OFF 34.41' LT

9 REMOVE MANHOLE (BY OTHERS)
STA 1012+58.67
OFF 36.19' LT

10 REMOVE LIGHT POLE
STA 1012+61.28
OFF 35.87' LT

11 REMOVE 477 LF SANITARY PIPE
STA 1012+73.11
OFF 26.24' RT

12 PROTECT SIGN
STA 1012+71.75
OFF 54.66' RT

13 PROTECT SIGN
STA 1012+77.56
OFF 49.38' RT

14 PROTECT SIGN
STA 1012+82.81
OFF 54.96' RT

15 REMOVE MANHOLE (BY OTHERS)
STA 1012+84.92
OFF 37.97' RT

16 PROTECT TREE
STA 1012+91.91
OFF 43.00' LT

17 REMOVE MANHOLE (BY OTHERS)
STA 1012+83.66
OFF 4.12' LT

18 PROTECT TREE
STA 1013+33.66
OFF 47.73' LT

19 PROTECT TREE
STA 1013+47.48
OFF 47.52' LT

20 RELOCATE FLOWER POT
STA 1013+61.85
OFF 42.54' RT

21 PROTECT SIGN
STA 1013+68.75
OFF 49.50' RT

22 PROTECT SIGN
STA 1013+68.79
OFF 45.77' RT

23 RELOCATE MAILBOX
STA 1013+68.81
OFF 32.66' RT

24 PROTECT POLE
STA 1013+80.72
OFF 45.65' RT

25 PROTECT PEDESTAL
STA 1013+83.81
OFF 44.81' RT

26 RELOCATE FLOWER POT
STA 1013+93.13
OFF 44.69' RT

27 REMOVE SIGN
STA 1014+01.32
OFF 34.58' RT

28 REMOVE MANHOLE
STA 1014+08.15
OFF 23.58' RT

29 REMOVE 50 LF STORM PIPE
STA 1014+08.62
OFF 9.09' RT

30 REMOVE INTAKE
STA 1014+09.48
OFF 26.41' LT

31 REMOVE SIGN
STA 1014+32.90
OFF 26.41' LT

32 RELOCATE FLOWER POT
STA 1014+29.48
OFF 46.73' RT

33 REMOVE 50 LF STORM PIPE
STA 1014+28.37
OFF 77.73' RT

34 RELOCATE FLOWER POT
STA 1014+51.25
OFF 42.00' RT

35 REMOVE INTAKE
STA 1014+57.88
OFF 28.12' RT

36 RELOCATE FLOWER POT
STA 1014+87.16
OFF 36.42' RT

37 RELOCATE POLE (BY OTHERS)
STA 1014+92.23
OFF 40.97' RT

38 REMOVE 9 LF RETAINING WALL
STA 1014+71.41
OFF 34.75' LT

39 REMOVE 9 LF RETAINING WALL
STA 1015+15.17
OFF 34.69' LT

40 REMOVE LIGHT POLE
STA 1015+23.77
OFF 35.29' LT

41 REMOVE CONCRETE STEPS
STA 1015+47.36
OFF 39.19' LT

42 REMOVE UTILITY BOX (BY OTHERS)
STA 1015+68.30
OFF 36.01' RT

43 REMOVE UTILITY BOX (BY OTHERS)
STA 1015+75.61
OFF 34.69' RT

44 REMOVE PEDESTAL (BY OTHERS)
STA 1015+74.59
OFF 37.60' RT

45 REMOVE PEDESTAL (BY OTHERS)
STA 1016+63.20
OFF 33.91' RT

46 REMOVE POLE (BY OTHERS)
STA 1016+65.33
OFF 33.85' RT

47 PROTECT SHRUB
STA 1016+18.91
OFF 50.22' LT

48 PROTECT SHRUB
STA 1016+23.35
OFF 50.89' LT

49 PROTECT TREE
STA 1016+37.11
OFF 53.90' LT

50 REMOVE FIRE HYDRANT
STA 1016+58.16
OFF 23.47' LT

51 REMOVE CONCRETE STEPS
STA 1016+54.73
OFF 39.76' LT

52 REMOVE SIGN
STA 1016+71.87
OFF 41.51' LT

53 REMOVE POLE (BY OTHERS)
STA 1016+68.59
OFF 51.13' LT

54 PROTECT TREE
STA 1016+46.13
OFF 93.11' LT

55 REMOVE MANHOLE
STA 1016+91.54
OFF 26.60' RT

56 REMOVE SIGN
STA 1017+19.18
OFF 33.48' RT

57 REMOVE 396 LF SANITARY PIPE
STA 1017+35.64
OFF 28.64' RT

58 REMOVE WATER VALVE
STA 1017+26.99
OFF 10.00' LT

59 REMOVE MANHOLE (BY OTHERS)
STA 1017+24.40
OFF 20.08' LT

60 REMOVE 22 LF RETAINING WALL
STA 1017+36.14
OFF 33.21' LT

61 REMOVE CONCRETE STEPS
STA 1017+47.99
OFF 36.46' LT

0 20
FEET

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07		FOTH PROJECT NO:	0021C017.02
DESIGNED BY: A. MUENCH	CHECKED BY: C. CARPER	DRAWN BY:	A. MUENCH
LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022		12:38:32 PM
CAD FILE: c:\pw_workdir\pw_ie\fvd_amm\d0518375\0021C017.02_I01_SHT.dgn			

NO	DATE	BY	REVISION DESCRIPTION

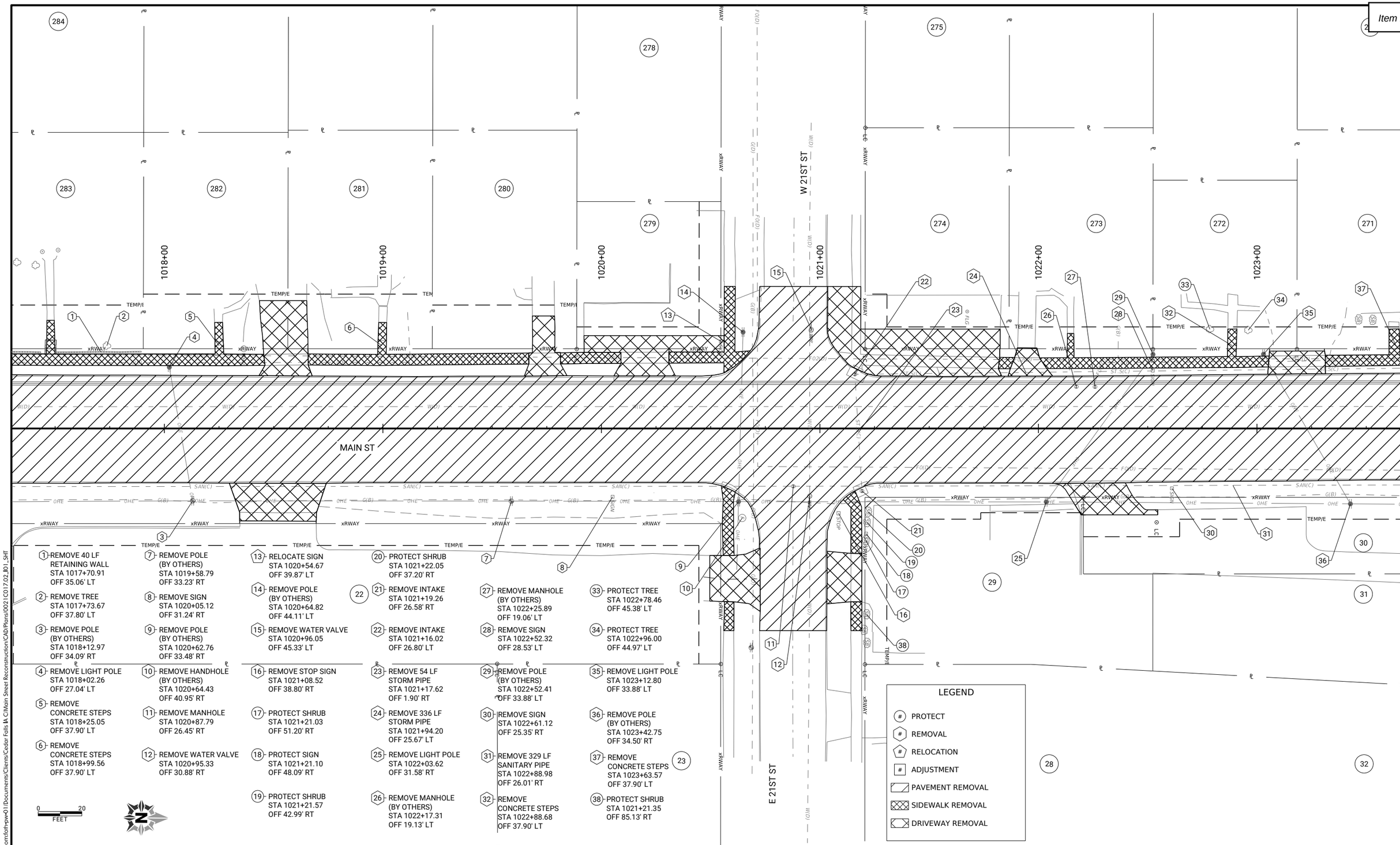
Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET REMOVALS

SHEET NO.
I.3
STBG-SWAP-1185(657)

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Falls IA C\Main Street Reconstruction\CAD\Plans\0021C017.02_I01_SHT



1 REMOVE 40 LF RETAINING WALL STA 1017+70.91 OFF 35.06' LT

2 REMOVE TREE STA 1017+73.67 OFF 37.80' LT

3 REMOVE POLE (BY OTHERS) STA 1018+12.97 OFF 34.09' RT

4 REMOVE LIGHT POLE STA 1018+02.26 OFF 27.04' LT

5 REMOVE CONCRETE STEPS STA 1018+25.05 OFF 37.90' LT

6 REMOVE CONCRETE STEPS STA 1018+99.56 OFF 37.90' LT

7 REMOVE POLE (BY OTHERS) STA 1019+58.79 OFF 33.23' RT

8 REMOVE SIGN STA 1020+05.12 OFF 31.24' RT

9 REMOVE POLE (BY OTHERS) STA 1020+62.76 OFF 33.48' RT

10 REMOVE HANDHOLE (BY OTHERS) STA 1020+64.43 OFF 40.95' RT

11 REMOVE MANHOLE STA 1020+87.79 OFF 26.45' RT

12 REMOVE WATER VALVE STA 1020+95.33 OFF 30.88' RT

13 RELOCATE SIGN STA 1020+54.67 OFF 39.87' LT

14 REMOVE POLE (BY OTHERS) STA 1020+64.82 OFF 44.11' LT

15 REMOVE WATER VALVE STA 1020+96.05 OFF 45.33' LT

16 REMOVE STOP SIGN STA 1021+08.52 OFF 38.80' RT

17 PROTECT SHRUB STA 1021+21.03 OFF 51.20' RT

18 PROTECT SIGN STA 1021+21.10 OFF 48.09' RT

19 PROTECT SHRUB STA 1021+21.57 OFF 42.99' RT

20 PROTECT SHRUB STA 1021+22.05 OFF 37.20' RT

21 REMOVE INTAKE STA 1021+19.26 OFF 26.58' RT

22 REMOVE INTAKE STA 1021+16.02 OFF 26.80' LT

23 REMOVE 54 LF STORM PIPE STA 1021+17.62 OFF 1.90' RT

24 REMOVE 336 LF STORM PIPE STA 1021+94.20 OFF 25.67' LT

25 REMOVE LIGHT POLE STA 1022+03.62 OFF 31.58' RT

26 REMOVE MANHOLE (BY OTHERS) STA 1022+17.31 OFF 19.13' LT

27 REMOVE MANHOLE (BY OTHERS) STA 1022+25.89 OFF 19.06' LT

28 REMOVE SIGN STA 1022+52.32 OFF 28.53' LT

29 REMOVE POLE (BY OTHERS) STA 1022+52.41 OFF 33.88' LT

30 REMOVE SIGN STA 1022+61.12 OFF 25.35' RT

31 REMOVE 329 LF SANITARY PIPE STA 1022+88.98 OFF 26.01' RT

32 REMOVE CONCRETE STEPS STA 1022+88.68 OFF 37.90' LT

33 PROTECT TREE STA 1022+78.46 OFF 45.38' LT

34 PROTECT TREE STA 1022+96.00 OFF 44.97' LT

35 REMOVE LIGHT POLE STA 1023+12.80 OFF 33.88' LT

36 REMOVE POLE (BY OTHERS) STA 1023+42.75 OFF 34.50' RT

37 REMOVE CONCRETE STEPS STA 1023+63.57 OFF 37.90' LT

38 PROTECT SHRUB STA 1021+21.35 OFF 85.13' RT

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: A. MUENCH	CHECKED BY: C. CARPER	DRAWN BY: A. MUENCH	
LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022	12:38:35 PM	
CAD FILE: c:\pw_workdir\pw_ie\fvd_amm\d0518375\0021C017.02_I01_SHT.dgn			

NO	DATE	BY	REVISION DESCRIPTION

Foth

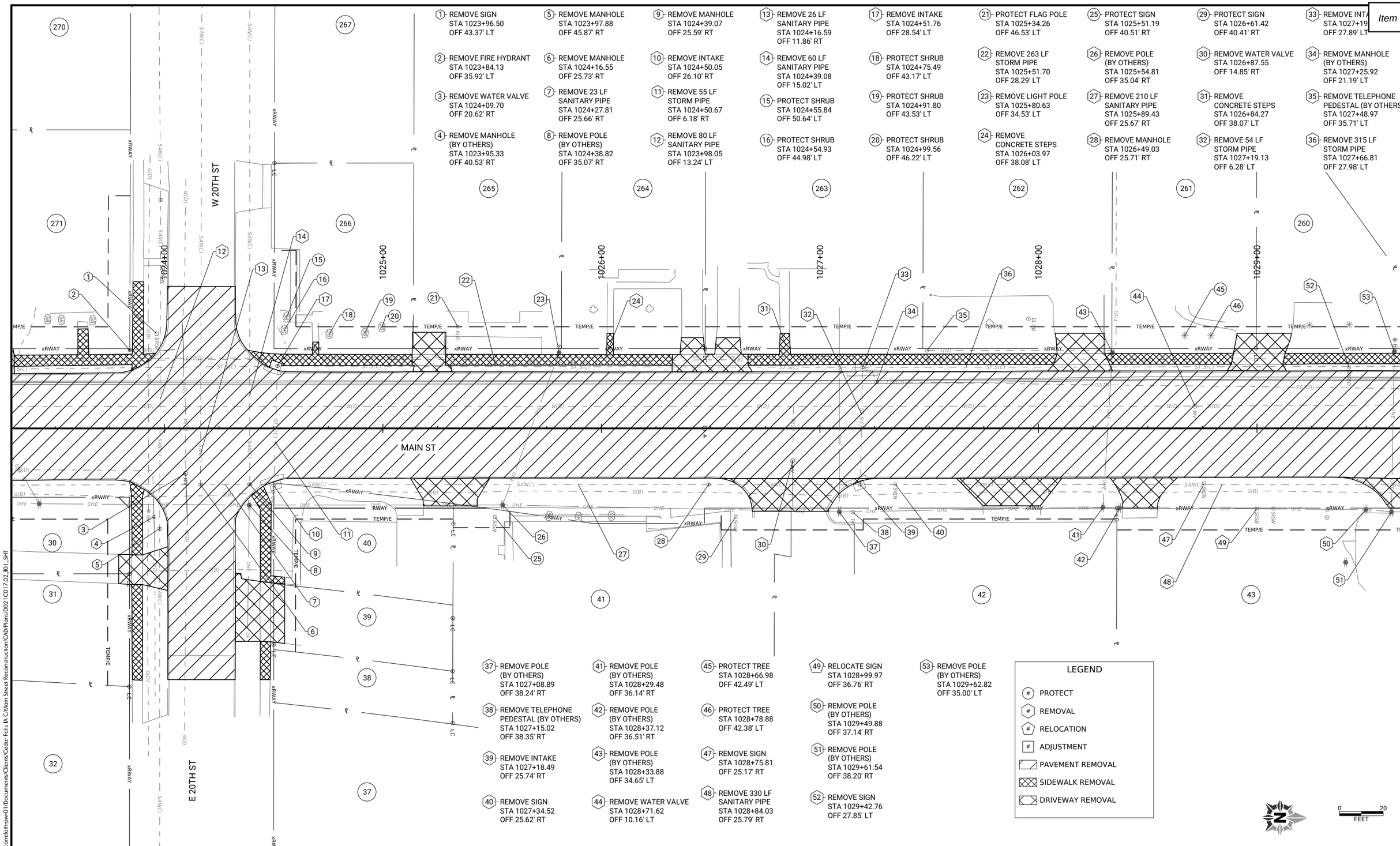
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET REMOVALS

SHEET NO.
I.4

STBG-SWAP-1185(657)

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Falls IA C\Main Street Reconstruction\CAD\Plans\0021C017.02_I01_SHT



1 REMOVE SIGN
STA 1023+96.50
OFF 43.37' LT

2 REMOVE FIRE HYDRANT
STA 1023+84.13
OFF 35.92' LT

3 REMOVE WATER VALVE
STA 1024+09.70
OFF 20.62' RT

4 REMOVE MANHOLE
(BY OTHERS)
STA 1023+95.33
OFF 40.53' RT

5 REMOVE MANHOLE
STA 1023+97.88
OFF 45.87' RT

6 REMOVE MANHOLE
STA 1024+16.55
OFF 25.73' RT

7 REMOVE 23 LF
SANITARY PIPE
STA 1024+27.81
OFF 25.66' RT

8 REMOVE POLE
(BY OTHERS)
STA 1024+38.82
OFF 35.07' RT

9 REMOVE MANHOLE
STA 1024+39.07
OFF 25.59' RT

10 REMOVE INTAKE
STA 1024+50.05
OFF 26.10' RT

11 REMOVE 55 LF
STORM PIPE
STA 1024+50.67
OFF 6.18' RT

12 REMOVE 80 LF
SANITARY PIPE
STA 1023+98.05
OFF 13.24' LT

13 REMOVE 26 LF
SANITARY PIPE
STA 1024+16.59
OFF 11.86' RT

14 REMOVE 60 LF
SANITARY PIPE
STA 1024+39.08
OFF 15.02' LT

15 PROTECT SHRUB
STA 1024+55.84
OFF 50.64' LT

16 PROTECT SHRUB
STA 1024+54.93
OFF 44.98' LT

17 REMOVE INTAKE
STA 1024+51.76
OFF 28.54' LT

18 PROTECT SHRUB
STA 1024+75.49
OFF 43.17' LT

19 PROTECT SHRUB
STA 1024+91.80
OFF 43.53' LT

20 PROTECT SHRUB
STA 1024+99.56
OFF 46.22' LT

21 PROTECT FLAG POLE
STA 1025+34.26
OFF 46.53' LT

22 REMOVE 263 LF
STORM PIPE
STA 1025+51.70
OFF 28.29' LT

23 REMOVE LIGHT POLE
STA 1025+80.63
OFF 34.53' LT

24 REMOVE
CONCRETE STEPS
STA 1026+03.97
OFF 38.08' LT

25 PROTECT SIGN
STA 1025+51.19
OFF 40.51' RT

26 REMOVE POLE
(BY OTHERS)
STA 1025+54.81
OFF 35.04' RT

27 REMOVE 210 LF
SANITARY PIPE
STA 1025+89.43
OFF 25.67' RT

28 REMOVE MANHOLE
STA 1026+49.03
OFF 25.71' RT

29 PROTECT SIGN
STA 1026+61.42
OFF 40.41' RT

30 REMOVE WATER VALVE
STA 1026+87.55
OFF 14.85' RT

31 REMOVE
CONCRETE STEPS
STA 1026+84.27
OFF 38.07' LT

32 REMOVE 54 LF
STORM PIPE
STA 1027+19.13
OFF 6.28' LT

33 REMOVE INTA
STA 1027+19
OFF 27.89' LT

34 REMOVE MANHOLE
(BY OTHERS)
STA 1027+25.92
OFF 21.19' LT

35 REMOVE TELEPHONE
PEDESTAL (BY OTHERS)
STA 1027+48.97
OFF 35.71' LT

36 REMOVE 315 LF
STORM PIPE
STA 1027+66.81
OFF 27.98' LT

37 REMOVE POLE
(BY OTHERS)
STA 1027+08.89
OFF 38.24' RT

38 REMOVE TELEPHONE
PEDESTAL (BY OTHERS)
STA 1027+15.02
OFF 38.35' RT

39 REMOVE INTAKE
STA 1027+18.49
OFF 25.74' RT

40 REMOVE SIGN
STA 1027+34.52
OFF 25.62' RT

41 REMOVE POLE
(BY OTHERS)
STA 1028+29.48
OFF 36.14' RT

42 REMOVE POLE
(BY OTHERS)
STA 1028+37.12
OFF 36.51' RT

43 REMOVE POLE
(BY OTHERS)
STA 1028+33.88
OFF 34.65' LT

44 REMOVE WATER VALVE
STA 1028+71.62
OFF 10.16' LT

45 PROTECT TREE
STA 1028+66.98
OFF 42.49' LT

46 PROTECT TREE
STA 1028+78.88
OFF 42.38' LT

47 REMOVE SIGN
STA 1028+75.81
OFF 25.17' RT

48 REMOVE 330 LF
SANITARY PIPE
STA 1028+84.03
OFF 25.79' RT

49 RELOCATE SIGN
STA 1028+99.97
OFF 36.76' RT

50 REMOVE POLE
(BY OTHERS)
STA 1029+49.88
OFF 37.14' RT

51 REMOVE POLE
(BY OTHERS)
STA 1029+61.54
OFF 38.20' RT

52 REMOVE SIGN
STA 1029+42.76
OFF 27.85' LT

53 REMOVE POLE
(BY OTHERS)
STA 1029+62.82
OFF 35.00' LT

LEGEND

- PROTECT
- REMOVAL
- RELOCATION
- ADJUSTMENT
- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- DRIVEWAY REMOVAL

0 20
FEET

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Falls IA C\Main Street Reconstruction\CAD\Plans\0021C017.02_I01_SHT

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: A. MUENCH	CHECKED BY: C. CARPER	DRAWN BY: A. MUENCH	
LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022	12:38:38 PM	
CAD FILE: c:\pw_workdir\pw_ie\fvd_amm\d0518375\0021C017.02_I01_SHT.dgn			

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
REMOVALS

SHEET NO.
I.5
STBG-SWAP-1185(657

1- REMOVE 58 LF STORM PIPE STA 1030+26.25 OFF 3.11' LT

2- REMOVE INTAKE STA 1030+32.65 OFF 29.78' LT

3- REMOVE LIGHT POLE STA 1030+88.27 OFF 40.35' LT

4- REMOVE 134 LF STORM PIPE STA 1031+15.88 OFF 34.63' LT

5- REMOVE 10 LF SANITARY PIPE STA 1029+78.64 OFF 32.37' RT

6- REMOVE MANHOLE STA 1029+78.62 OFF 25.80' RT

7- REMOVE 17 LF STORM PIPE STA 1030+16.01 OFF 34.25' RT

8- REMOVE INTAKE STA 1030+15.84 OFF 25.19' RT

9- REMOVE 200 LF SANITARY PIPE STA 1030+52.64 OFF 25.32' RT

10- PROTECT INTAKE STA 1030+76.83 OFF 39.79' RT

11- REMOVE MANHOLE STA 1031+81.14 OFF 16.03' RT

12- REMOVE SIGN STA 1032+48.90 OFF 9.69' LT

13- REMOVE MANHOLE (BY OTHERS) STA 1032+52.88 OFF 30.43' RT

14- REMOVE INTAKE STA 1032+69.62 OFF 34.77' RT

15- REMOVE PEDESTRIAN BUTTON STA 1032+61.74 OFF 42.79' RT

16- REMOVE MANHOLE STA 1032+72.95 OFF 48.14' RT

17- REMOVE SIGNAL POLE STA 1032+70.51 OFF 53.08' RT

18- ADJUST MANHOLE STA 1032+88.54 OFF 31.72' RT

19- REMOVE 94 LF STORM PIPE STA 1033+10.13 OFF 33.67' RT

20- REMOVE POLE STA 1032+73.32 OFF 93.60' RT

21- PROTECT TREE STA 1032+70.70 OFF 113.49' RT

22- REMOVE POLE (BY OTHERS) STA 1032+05.36 OFF 46.42' LT

23- REMOVE 84 LF STORM PIPE STA 1032+03.07 OFF 53.61' LT

24- REMOVE SIGNAL POLE STA 1032+29.04 OFF 48.13' LT

25- REMOVE MANHOLE STA 1032+34.69 OFF 47.26' LT

26- REMOVE MANHOLE (BY OTHERS) STA 1032+39.82 OFF 49.93' LT

27- REMOVE PEDESTRIAN BUTTON STA 1032+45.64 OFF 48.59' LT

28- REMOVE MANHOLE (BY OTHERS) STA 1032+47.97 OFF 59.77' LT

29- REMOVE MANHOLE STA 1032+57.63 OFF 59.30' LT

30- REMOVE INTAKE STA 1032+56.68 OFF 69.11' LT

31- REMOVE SIGN STA 1032+54.87 OFF 83.11' LT

32- REMOVE 70 LF STORM PIPE STA 1032+78.14 OFF 64.28' LT

33- REMOVE SIGN STA 1032+98.63 OFF 58.88' LT

34- REMOVE POLE (BY OTHERS) STA 1033+25.98 OFF 95.77' LT

35- REMOVE INTAKE STA 1033+25.91 OFF 75.90' LT

36- REMOVE LIGHT POLE STA 1033+31.12 OFF 50.67' LT

37- REMOVE SIGNAL POLE STA 1033+38.52 OFF 62.96' LT

38- PROTECT SIGN STA 1033+51.05 OFF 68.47' LT

39- REMOVE PEDESTRIAN BUTTON STA 1033+42.77 OFF 50.23' LT

40- REMOVE INTAKE STA 1033+69.44 OFF 33.02' LT

41- ADJUST MANHOLE STA 1033+75.69 OFF 44.03' LT

42- REMOVE WATER VALVE STA 1033+78.63 OFF 43.62' LT

43- REMOVE SIGN STA 1033+55.65 OFF 4.09' RT

44- REMOVE INTAKE STA 1033+63.85 OFF 4.17' RT

45- REMOVE 70 LF STORM PIPE STA 1033+67.44 OFF 4.36' RT

46- REMOVE WATER VALVE STA 1033+96.67 OFF 14.78' LT

47- REMOVE MANHOLE STA 1034+02.39 OFF 0.83' LT

48- ADJUST MANHOLE STA 1032+89.04 OFF 31.99' LT

49- REMOVE POLE (BY OTHERS) STA 1033+49.75 OFF 47.87' RT

50- REMOVE MANHOLE STA 1033+52.08 OFF 51.66' RT

51- REMOVE MANHOLE (BY OTHERS) STA 1033+50.53 OFF 47.71' RT

52- REMOVE UTILITY BOX (BY OTHERS) STA 1033+55.50 OFF 45.17' RT

53- REMOVE UTILITY BOX (BY OTHERS) STA 1033+58.60 OFF 42.72' RT

54- REMOVE MANHOLE (BY OTHERS) STA 1033+64.48 OFF 48.45' RT

55- REMOVE SIGNAL POLE STA 1033+61.68 OFF 43.29' RT

56- REMOVE INTAKE STA 1033+65.93 OFF 32.41' RT

57- REMOVE FIRE HYDRANT STA 1034+36.92 OFF 47.85' RT

58- REMOVE POLE (BY OTHERS) STA 1034+37.91 OFF 44.12' RT

59- REMOVE UTILITY BOX (BY OTHERS) STA 1034+42.30 OFF 44.73' RT

60- PROTECT TREE STA 1034+66.30 OFF 49.75' RT

61- PROTECT SIGN STA 1034+99.39 OFF 45.11' RT

62- PROTECT FLAG STA 1035+04.17 OFF 52.16' RT

63- PROTECT TREE STA 1035+15.28 OFF 46.81' RT

64- REMOVE POLE (BY OTHERS) STA 1035+51.72 OFF 41.53' RT

65- REMOVE LIGHT POLE STA 1035+58.91 OFF 41.33' RT

66- REMOVE 312 LF SANITARY PIPE STA 1035+12.95 OFF 0.65' RT

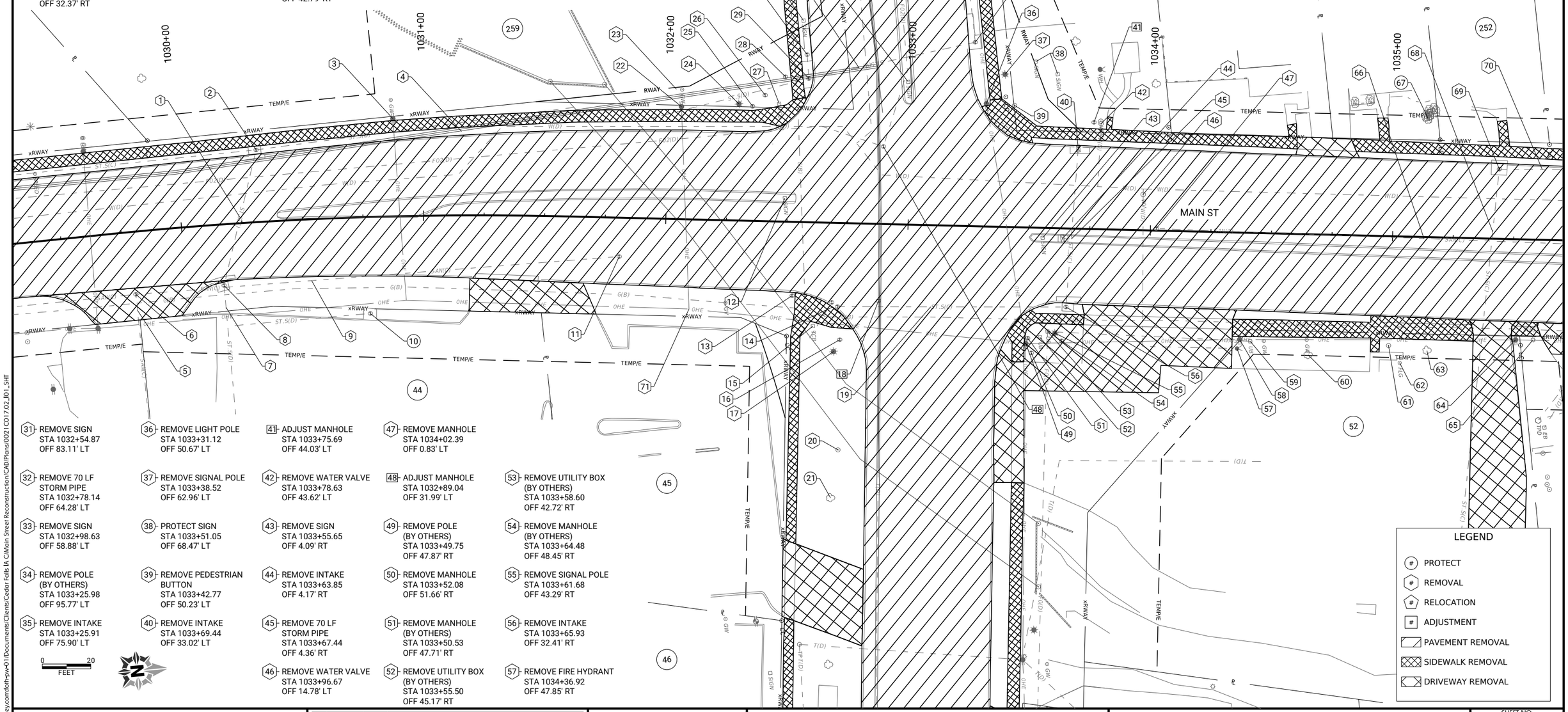
67- PROTECT LANDSCAPING STA 1035+13.47 OFF 48.98' LT

68- REMOVE 72 LF STORM PIPE STA 1035+41.25 OFF 2.81' LT

69- REMOVE INTAKE STA 1035+43.33 OFF 28.72' LT

70- REMOVE 75 LF STORM PIPE STA 1035+61.06 OFF 29.03' LT

71- REMOVE POLE (BY OTHERS) STA 1032+10.46 OFF 36.95' RT



LEGEND

- # PROTECT
- # REMOVAL
- # RELOCATION
- # ADJUSTMENT
- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- DRIVEWAY REMOVAL

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: A. MUENCH CHECKED BY: C. CARPER DRAWN BY: A. MUENCH
LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 12:38:46 PM
CAD FILE: c:\pw_workdir\pw_ie\fvd_amm\d0518375\0021C017.02_I01_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET REMOVALS

SHEET NO.
I.6
STBG-SWAP-1185(657)

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Falls IA C\Main Street Reconstruction\CAD\Plans\0021C017.02_I01_SHT

1 PROTECT TREE STA 1035+70.76 OFF 50.40' LT

2 PROTECT TREE STA 1035+99.80 OFF 48.44' LT

3 REMOVE INTAKE STA 1036+18.76 OFF 30.03' LT

4 REMOVE LIGHT POLE STA 1036+16.70 OFF 50.77' LT

5 REMOVE SIGN STA 1036+20.95 OFF 54.98' LT

6 REMOVE WATER VALVE STA 1036+19.06 OFF 13.55' LT

7 REMOVE 113 LF STORM PIPE STA 1036+51.07 OFF 29.97' LT

8 REMOVE MANHOLE STA 1037+14.19 OFF 4.61' RT

9 REMOVE INTAKE STA 1037+35.15 OFF 27.11' LT

10 PROTECT TREE STA 1037+60.05 OFF 45.07' LT

11 PROTECT TREE STA 1037+71.24 OFF 46.06' LT

12 REMOVE CONCRETE STEPS STA 1037+80.36 OFF 40.40' LT

13 PROTECT TREE STA 1037+90.01 OFF 45.80' LT

14 PROTECT TREE STA 1038+01.62 OFF 46.00' LT

15 REMOVE SIGN STA 1037+98.57 OFF 32.01' LT

16 REMOVE 215 LF STORM PIPE STA 1038+33.42 OFF 30.73' LT

17 REMOVE CONCRETE STEPS STA 1038+52.71 OFF 41.44' LT

18 PROTECT TREE STA 1038+70.94 OFF 46.89' LT

19 REMOVE SIGN STA 1038+79.42 OFF 32.07' LT

20 REMOVE CONCRETE STEPS STA 1039+21.28 OFF 41.78' LT

21 REMOVE WATER VALVE STA 1039+44.67 OFF 14.13' LT

22 REMOVE INTAKE STA 1039+51.70 OFF 30.72' LT

23 REMOVE 334 LF STORM PIPE STA 1039+82.54 OFF 30.72' LT

24 REMOVE SIGN STA 1039+62.96 OFF 55.85' LT

25 REMOVE POLE (BY OTHERS) STA 1036+67.68 OFF 41.07' RT

26 REMOVE ELECTRIC BOX (BY OTHERS) STA 1036+69.86 OFF 42.18' RT

27 REMOVE SIGN STA 1037+12.19 OFF 36.87' RT

28 REMOVE POLE (BY OTHERS) STA 1037+48.14 OFF 36.47' RT

29 REMOVE CONCRETE STEPS STA 1037+94.11 OFF 41.50' RT

30 REMOVE ELECTRIC BOX (BY OTHERS) STA 1038+12.07 OFF 46.35' RT

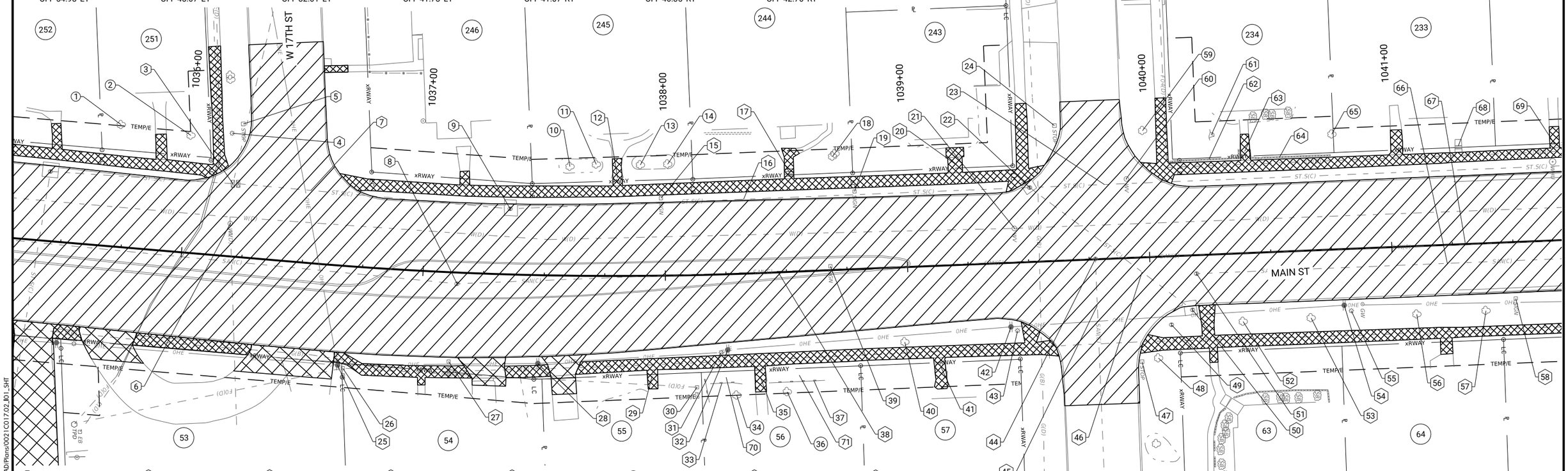
31 REMOVE LIGHT POLE STA 1038+22.13 OFF 32.22' RT

32 REMOVE POLE (BY OTHERS) STA 1038+24.81 OFF 31.22' RT

33 REMOVE 24 LF WOOD FENCE STA 1038+22.02 OFF 44.90' RT

34 PROTECT TREE STA 1038+27.86 OFF 50.09' RT

35 REMOVE CONCRETE STEPS STA 1038+37.43 OFF 42.70' RT



36 PROTECT TREE STA 1038+48.25 OFF 49.47' RT

37 REMOVE 23 LF WOOD FENCE STA 1038+59.50 OFF 45.39' RT

38 REMOVE 264 LF SANITARY PIPE STA 1038+46.38 OFF 0.47' LT

39 REMOVE SIGN STA 1038+68.21 OFF 1.66' LT

40 REMOVE TREE STA 1038+97.59 OFF 30.92' RT

41 REMOVE CONCRETE STEPS STA 1039+12.08 OFF 41.86' RT

42 REMOVE POLE (BY OTHERS) STA 1039+41.63 OFF 26.45' RT

43 REMOVE LIGHT POLE STA 1039+44.26 OFF 28.12' RT

44 REMOVE MANHOLE STA 1039+77.60 OFF 0.18' LT

45 REMOVE 34 LF SANITARY PIPE STA 1039+77.59 OFF 19.06' RT

46 REMOVE 84 LF STORM PIPE STA 1039+96.63 OFF 6.03' RT

47 REMOVE SIGN STA 1039+95.05 OFF 43.03' RT

48 REMOVE TREE STA 1040+01.91 OFF 41.83' RT

49 REMOVE MANHOLE (BY OTHERS) STA 1040+07.86 OFF 28.29' RT

50 REMOVE INTAKE STA 1040+16.80 OFF 22.53' RT

51 REMOVE MANHOLE STA 1040+19.04 OFF 7.62' RT

52 REMOVE TREE STA 1040+37.43 OFF 28.18' RT

53 REMOVE TREE STA 1040+65.50 OFF 27.85' RT

54 REMOVE POLE (BY OTHERS) STA 1040+79.38 OFF 23.17' RT

55 REMOVE LIGHT POLE STA 1040+82.23 OFF 25.56' RT

56 REMOVE TREE STA 1041+09.15 OFF 28.12' RT

57 REMOVE TREE STA 1041+37.72 OFF 27.82' RT

58 REMOVE SIGN STA 1041+50.22 OFF 23.28' RT

59 PROTECT TREE STA 1039+99.18 OFF 52.26' LT

60 REMOVE WATER VALVE STA 1039+91.72 OFF 32.64' LT

61 REMOVE STUMP STA 1040+27.46 OFF 49.31' LT

62 REMOVE 30 LF RETAINING WALL STA 1040+26.06 OFF 39.30' LT

63 REMOVE CONCRETE STEPS STA 1040+40.98 OFF 42.00' LT

64 REMOVE 33 LF RETAINING WALL STA 1040+55.24 OFF 39.03' LT

65 PROTECT TREE STA 1040+77.16 OFF 47.59' LT

66 REMOVE 290 LF SANITARY PIPE STA 1041+22.61 OFF 7.65' RT

67 REMOVE 331 LF SANITARY PIPE STA 1041+30.42 OFF 0.13' RT

68 REMOVE CONCRETE STEPS STA 1041+29.15 OFF 40.70' LT

69 REMOVE CONCRETE STEPS STA 1041+68.86 OFF 39.98' LT

70 REMOVE SHRUBS STA 1038+23.83 OFF 42.52' RT

71 REMOVE SHRUBS STA 1038+53.51 OFF 42.77' RT

0 20 FEET

LEGEND

- # PROTECT
- # REMOVAL
- # RELOCATION
- # ADJUSTMENT
- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- DRIVEWAY REMOVAL

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07		FOTH PROJECT NO:	0021C017.02
DESIGNED BY: A. MUENCH	CHECKED BY: C. CARPER	DRAWN BY:	A. MUENCH
LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022		12:38:53 PM
CAD FILE:	c:\pw_workdir\pw_ie\fvd_amm\d0518375\0021C017.02_I01_SHT.dgn		

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

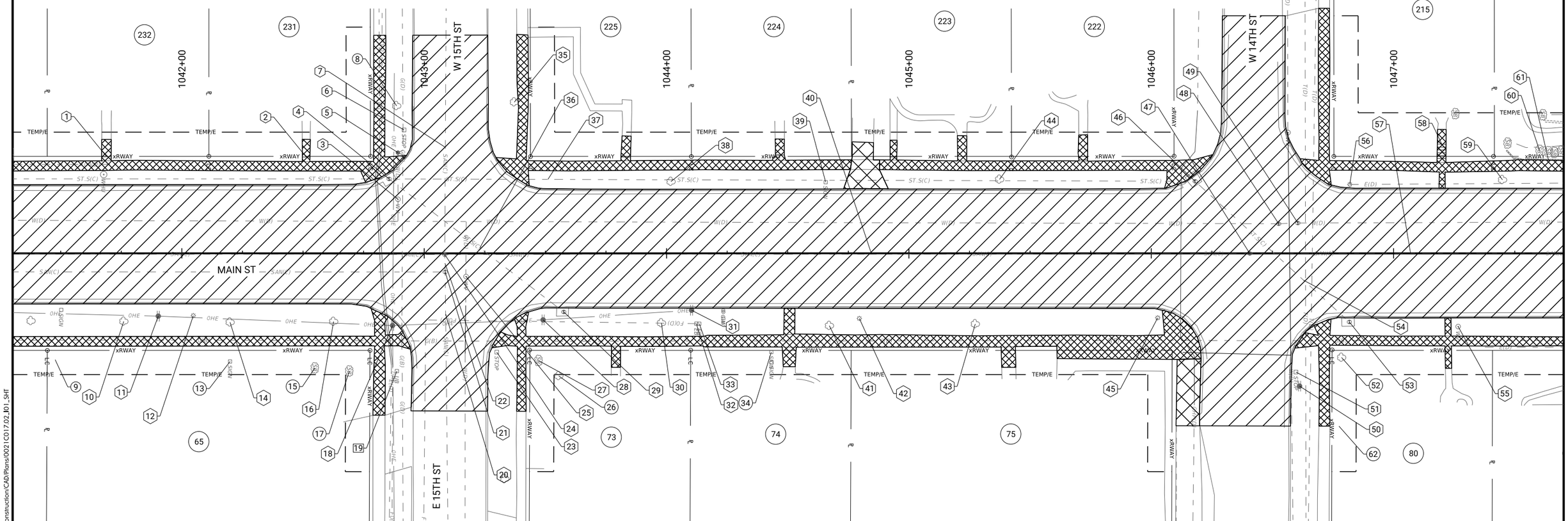
MAIN STREET REMOVALS

SHEET NO.
I.7

STBG-SWAP-1185(657

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Falls IA C/Main Street Reconstruction/CAD/Plans/0021C017.02_I01_SHT

1. REMOVE CONCRETE STEPS STA 1041+68.86 OFF 39.98' LT
2. REMOVE CONCRETE STEPS STA 1042+51.26 OFF 39.79' LT
3. REMOVE WATER VALVE STA 1042+89.17 OFF 22.30' LT
4. REMOVE INTAKE STA 1042+85.51 OFF 30.69' LT
5. REMOVE FIRE HYDRANT STA 1042+89.15 OFF 41.57' LT
6. REMOVE SIGN STA 1042+91.68 OFF 50.92' LT
7. REMOVE 40 LF SANITARY PIPE STA 1043+08.72 OFF 43.73' LT
8. PROTECT TREE STA 1042+88.59 OFF 60.84' LT
9. PROTECT SHRUB STA 1041+47.71 OFF 43.84' RT
10. REMOVE TREE STA 1041+76.02 OFF 28.04' RT
11. REMOVE POLE (BY OTHERS) STA 1041+90.26 OFF 25.88' RT
12. REMOVE LIGHT POLE STA 1042+04.72 OFF 25.66' RT
13. PROTECT SIGN STA 1042+19.88 OFF 44.58' RT
14. REMOVE TREE STA 1042+19.86 OFF 28.39' RT
15. PROTECT SHRUB STA 1042+54.85 OFF 47.29' RT
16. REMOVE TREE STA 1042+62.59 OFF 28.12' RT
17. PROTECT SHRUB STA 1042+69.08 OFF 48.55' RT
18. REMOVE POLE (BY OTHERS) STA 1042+86.93 OFF 29.74' RT
19. ADJUST UTILITY BOX (BY OTHERS) STA 1042+88.71 OFF 48.56' RT
20. REMOVE 32 LF SANITARY PIPE STA 1043+08.83 OFF 25.02' RT
21. REMOVE MANHOLE STA 1043+08.65 OFF 7.68' RT
22. REMOVE 7 LF SANITARY PIPE STA 1043+08.56 OFF 4.09' RT
23. REMOVE SIGN STA 1043+08.48 OFF 0.49' RT
24. REMOVE MANHOLE STA 1043+08.48 OFF 0.49' RT
25. REMOVE WATER VALVE STA 1043+17.25 OFF 9.55' RT
26. PROTECT TREE STA 1043+55.50 OFF 50.50' RT
27. REMOVE SHRUB STA 1043+47.17 OFF 44.21' RT
28. REMOVE LIGHT POLE STA 1043+49.05 OFF 27.42' RT
29. REMOVE INTAKE STA 1043+57.58 OFF 24.13' RT
30. REMOVE TREE STA 1043+97.87 OFF 28.71' RT
31. REMOVE POLE (BY OTHERS) STA 1044+10.32 OFF 23.45' RT
32. REMOVE ELECTRIC BOX (BY OTHERS) STA 1044+12.28 OFF 28.97' RT
33. REMOVE ELECTRIC BOX (BY OTHERS) STA 1044+13.50 OFF 28.99' RT
34. PROTECT SIGN STA 1044+43.23 OFF 40.69' RT
35. REMOVE TREE STA 1043+37.16 OFF 62.37' LT
36. REMOVE 91 LF STORM PIPE STA 1043+22.92 OFF 2.23' LT
37. REMOVE 333 LF STORM PIPE STA 1043+51.02 OFF 30.50' LT
38. REMOVE TREE STA 1044+01.80 OFF 29.61' LT
39. REMOVE SIGN STA 1044+65.64 OFF 29.37' LT
40. REMOVE 332 LF SANITARY PIPE STA 1044+84.55 OFF 0.25' RT



41. REMOVE TREE STA 1044+67.16 OFF 29.81' RT
42. REMOVE LIGHT POLE STA 1044+79.53 OFF 26.83' RT
43. REMOVE TREE STA 1045+27.37 OFF 29.12' RT
44. REMOVE TREE STA 1045+37.38 OFF 30.50' LT
45. REMOVE LIGHT POLE STA 1046+02.65 OFF 26.57' RT
46. REMOVE INTAKE STA 1046+18.09 OFF 29.73' LT
47. REMOVE MANHOLE STA 1046+40.63 OFF 0.03' RT
48. REMOVE MANHOLE STA 1046+52.57 OFF 12.22' LT
49. REMOVE MANHOLE STA 1046+60.49 OFF 12.52' LT
50. REMOVE POLE (BY OTHERS) STA 1046+61.19 OFF 54.74' RT
51. REMOVE SIGN STA 1046+59.70 OFF 48.93' RT
52. PROTECT TREE STA 1046+78.51 OFF 42.92' RT
53. REMOVE INTAKE STA 1046+81.73 OFF 28.28' RT
54. REMOVE 86 LF STORM PIPE STA 1046+62.87 OFF 11.09' RT
55. REMOVE WATER VALVE STA 1047+26.62 OFF 30.17' RT
56. REMOVE LIGHT POLE STA 1046+81.94 OFF 28.42' LT
57. REMOVE 330 LF SANITARY PIPE STA 1047+06.99 OFF 0.00' LT
58. REMOVE CONCRETE STEPS STA 1047+19.84 OFF 45.11' LT
59. REMOVE TREE STA 1047+44.91 OFF 30.34' LT
60. REMOVE LANDSCAPING STA 1047+60.22 OFF 42.39' LT
61. REMOVE 34 LF RETAINING WALL STA 1047+63.87 OFF 38.59' LT
62. PROTECT SHRUB STA 1046+77.44 OFF 71.24' RT

0 20
FEET

LEGEND

- (#) PROTECT
- (#) REMOVAL
- (#) RELOCATION
- (#) ADJUSTMENT
- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- DRIVEWAY REMOVAL

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: A. MUENCH CHECKED BY: C. CARPER DRAWN BY: A. MUENCH
LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 12:39:01 PM
CAD FILE: c:\pw_workdir\pw_ie\fvd_amm\d0518375\0021C017.02_I01_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET REMOVALS

SHEET NO.
I.8

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Falls IA C\Main Street Reconstruction\CAD\Plans\0021C017.02_I01_SHT

1- REMOVE LIGHT POLE STA 1047+70.95 OFF 28.98' LT

2- REMOVE CONCRETE STEPS STA 1047+81.66 OFF 42.88' LT

3- REMOVE 24 LF RETAINING WALL STA 1047+91.76 OFF 38.46' LT

4- REMOVE LANDSCAPING STA 1047+94.50 OFF 42.80' LT

5- PROTECT TREE STA 1047+83.90 OFF 43.18' RT

6- REMOVE CONCRETE STEPS STA 1048+44.19 OFF 44.34' LT

7- PROTECT TREE STA 1048+84.10 OFF 41.60' RT

8- REMOVE LIGHT POLE STA 1048+86.90 OFF 29.02' LT

9- REMOVE TREE STA 1049+09.16 OFF 30.38' LT

10- REMOVE CONCRETE STEPS STA 1049+35.66 OFF 45.42' LT

11- REMOVE SIGN STA 1049+53.13 OFF 41.74' LT

12- PROTECT TREE STA 1049+50.77 OFF 66.58' LT

13- REMOVE LIGHT POLE STA 1049+38.22 OFF 28.51' RT

14- PROTECT TREE STA 1049+50.28 OFF 70.99' RT

15- REMOVE SIGN STA 1049+93.56 OFF 44.88' RT

16- REMOVE MANHOLE STA 1049+70.51 OFF 0.14' LT

17- PROTECT TREE STA 1050+47.75 OFF 47.86' RT

18- REMOVE LIGHT POLE STA 1050+57.92 OFF 28.44' RT

19- PROTECT TREE STA 1051+12.47 OFF 48.15' RT

20- REMOVE 335 LF SANITARY PIPE STA 1051+35.31 OFF 0.20' LT

21- REMOVE LIGHT POLE STA 1051+63.93 OFF 29.26' RT

22- PROTECT SIGN STA 1052+10.62 OFF 50.39' RT

23- PROTECT FLAG POLE STA 1052+10.19 OFF 64.37' RT

24- REMOVE BENCH AND SALVAGE TO CITY STA 1052+27.64 OFF 42.43' RT

25- REMOVE MANHOLE (BY OTHERS) STA 1052+36.78 OFF 32.46' RT

26- REMOVE SIGNAL POLE STA 1052+47.51 OFF 42.54' RT

27- REMOVE 111 LF STORM PIPE STA 1052+67.99 OFF 19.64' RT

28- REMOVE TREE STA 1052+60.19 OFF 57.18' RT

29- REMOVE MANHOLE STA 1052+60.19 OFF 57.18' RT

30- REMOVE TREE STA 1052+43.92 OFF 101.39' RT

31- REMOVE TREE STA 1049+94.63 OFF 48.94' LT

32- REMOVE FIRE HYDRANT STA 1049+95.04 OFF 40.51' LT

33- REMOVE LIGHT POLE STA 1050+06.23 OFF 28.83' LT

34- REMOVE TREE STA 1050+23.25 OFF 29.96' LT

35- REMOVE CONCRETE STEPS STA 1050+30.77 OFF 43.61' LT

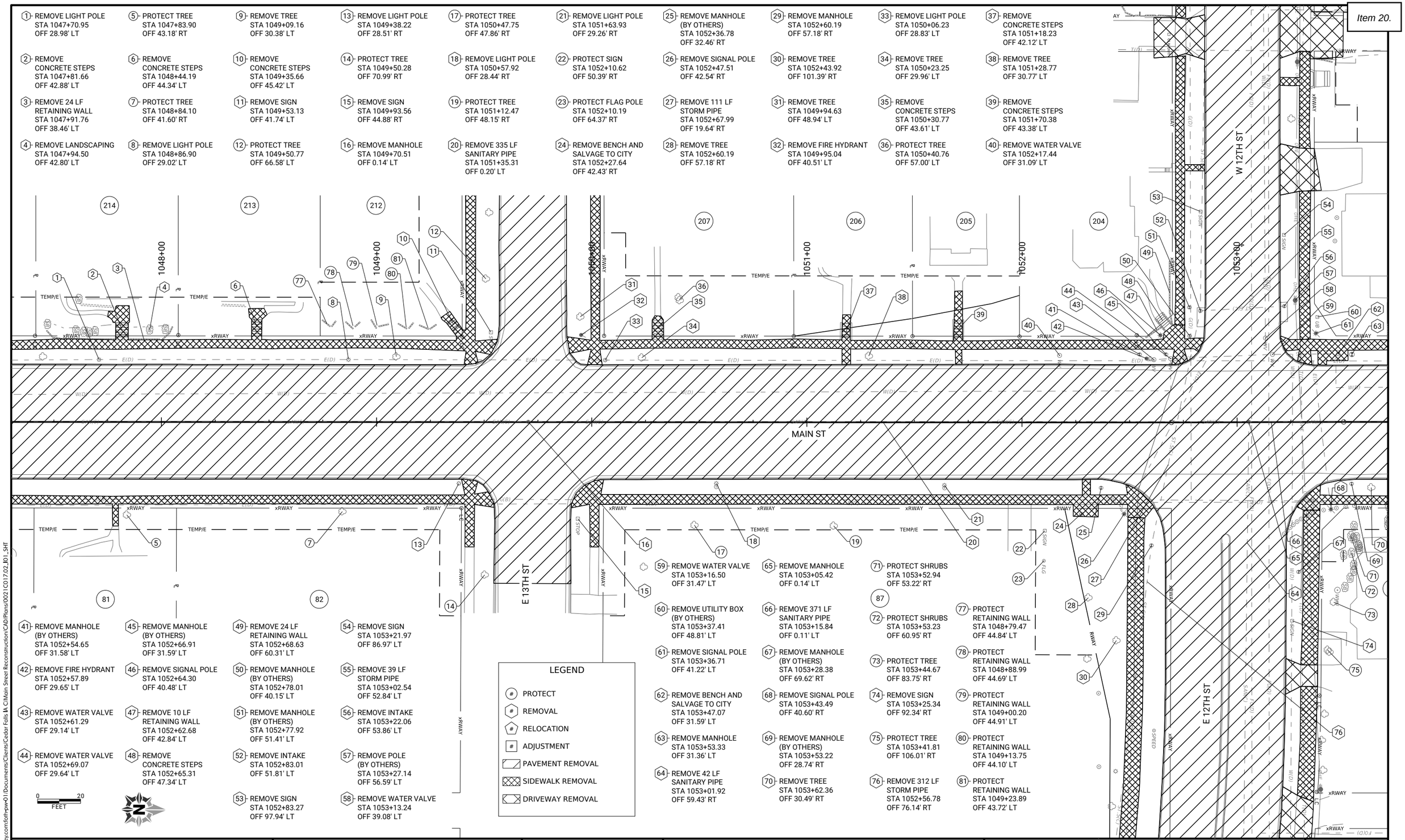
36- PROTECT TREE STA 1050+40.76 OFF 57.00' LT

37- REMOVE CONCRETE STEPS STA 1051+18.23 OFF 42.12' LT

38- REMOVE TREE STA 1051+28.77 OFF 30.77' LT

39- REMOVE CONCRETE STEPS STA 1051+70.38 OFF 43.38' LT

40- REMOVE WATER VALVE STA 1052+17.44 OFF 31.09' LT



41- REMOVE MANHOLE (BY OTHERS) STA 1052+54.65 OFF 31.58' LT

42- REMOVE FIRE HYDRANT STA 1052+57.89 OFF 29.65' LT

43- REMOVE WATER VALVE STA 1052+61.29 OFF 29.14' LT

44- REMOVE WATER VALVE STA 1052+69.07 OFF 29.64' LT

45- REMOVE MANHOLE (BY OTHERS) STA 1052+66.91 OFF 31.59' LT

46- REMOVE SIGNAL POLE STA 1052+64.30 OFF 40.48' LT

47- REMOVE 10 LF RETAINING WALL STA 1052+62.68 OFF 42.84' LT

48- REMOVE CONCRETE STEPS STA 1052+65.31 OFF 47.34' LT

49- REMOVE 24 LF RETAINING WALL STA 1052+68.63 OFF 60.31' LT

50- REMOVE MANHOLE (BY OTHERS) STA 1052+78.01 OFF 40.15' LT

51- REMOVE MANHOLE (BY OTHERS) STA 1052+77.92 OFF 51.41' LT

52- REMOVE INTAKE STA 1052+83.01 OFF 51.81' LT

53- REMOVE SIGN STA 1052+83.27 OFF 97.94' LT

54- REMOVE SIGN STA 1053+21.97 OFF 86.97' LT

55- REMOVE 39 LF STORM PIPE STA 1053+02.54 OFF 52.84' LT

56- REMOVE INTAKE STA 1053+22.06 OFF 53.86' LT

57- REMOVE POLE (BY OTHERS) STA 1053+27.14 OFF 56.59' LT

58- REMOVE WATER VALVE STA 1053+13.24 OFF 39.08' LT

59- REMOVE WATER VALVE STA 1053+16.50 OFF 31.47' LT

60- REMOVE UTILITY BOX (BY OTHERS) STA 1053+37.41 OFF 48.81' LT

61- REMOVE SIGNAL POLE STA 1053+36.71 OFF 41.22' LT

62- REMOVE BENCH AND SALVAGE TO CITY STA 1053+47.07 OFF 31.59' LT

63- REMOVE MANHOLE STA 1053+53.33 OFF 31.36' LT

64- REMOVE 42 LF SANITARY PIPE STA 1053+01.92 OFF 59.43' RT

65- REMOVE MANHOLE STA 1053+05.42 OFF 0.14' LT

66- REMOVE 371 LF SANITARY PIPE STA 1053+15.84 OFF 0.11' LT

67- REMOVE MANHOLE (BY OTHERS) STA 1053+28.38 OFF 69.62' RT

68- REMOVE SIGNAL POLE STA 1053+43.49 OFF 40.60' RT

69- REMOVE MANHOLE (BY OTHERS) STA 1053+53.22 OFF 28.74' RT

70- REMOVE TREE STA 1053+62.36 OFF 30.49' RT

71- PROTECT SHRUBS STA 1053+52.94 OFF 53.22' RT

72- PROTECT SHRUBS STA 1053+53.23 OFF 60.95' RT

73- PROTECT TREE STA 1053+44.67 OFF 83.75' RT

74- REMOVE SIGN STA 1053+25.34 OFF 92.34' RT

75- PROTECT TREE STA 1053+41.81 OFF 106.01' RT

76- REMOVE 312 LF STORM PIPE STA 1052+56.78 OFF 76.14' RT

77- PROTECT RETAINING WALL STA 1048+79.47 OFF 44.84' LT

78- PROTECT RETAINING WALL STA 1048+88.99 OFF 44.69' LT

79- PROTECT RETAINING WALL STA 1049+00.20 OFF 44.91' LT

80- PROTECT RETAINING WALL STA 1049+13.75 OFF 44.10' LT

81- PROTECT RETAINING WALL STA 1049+23.89 OFF 43.72' LT

LEGEND

- # PROTECT
- # REMOVAL
- # RELOCATION
- # ADJUSTMENT
- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- DRIVEWAY REMOVAL

0 20 FEET

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07		FOTH PROJECT NO:	0021C017.02
DESIGNED BY: A. MUENCH	CHECKED BY: C. CARPER	DRAWN BY:	A. MUENCH
LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022		12:39:09 PM
CAD FILE: c:\pw_workdir\pw_ie\fvd_amm\d0518375\0021C017.02_I01_SHT.dgn			

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET REMOVALS

SHEET NO.
I.9

STBG-SWAP-1185(657

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Falls IA C\Main Street Reconstruction\CAD\Plans\0021C017.02_I01_SHT

1- REMOVE CONCRETE STEPS STA 1053+72.95 OFF 42.19' LT

2- REMOVE LIGHT POLE STA 1054+19.85 OFF 28.29' LT

3- REMOVE TREE STA 1054+58.70 OFF 30.08' LT

4- PROTECT SHRUB STA 1054+63.28 OFF 47.27' LT

5- REMOVE CONCRETE STEPS STA 1054+95.61 OFF 40.45' LT

6- PROTECT TREE STA 1055+19.74 OFF 48.21' LT

7- REMOVE LIGHT POLE STA 1055+24.69 OFF 28.63' LT

8- REMOVE TREE STA 1055+51.34 OFF 30.27' LT

9- REMOVE LIGHT POLE STA 1056+07.82 OFF 28.49' LT

10- REMOVE TREE STA 1056+32.01 OFF 30.81' LT

11- REMOVE MANHOLE STA 1056+61.59 OFF 18.02' LT

12- REMOVE 14 LF STORM PIPE STA 1056+62.76 OFF 22.09' LT

13- REMOVE INTAKE STA 1056+60.54 OFF 28.53' LT

14- REMOVE SIGN STA 1056+59.44 OFF 40.35' LT

15- REMOVE TREE STA 1056+56.06 OFF 59.62' LT

16- REMOVE SHRUBS STA 1053+70.09 OFF 45.88' RT

17- REMOVE SHRUBS STA 1053+78.09 OFF 46.98' RT

18- REMOVE LIGHT POLE STA 1053+77.61 OFF 28.40' RT

19- REMOVE TREE STA 1054+07.94 OFF 30.19' RT

20- REMOVE TREE STA 1054+33.95 OFF 30.14' RT

21- REMOVE LIGHT POLE STA 1054+63.69 OFF 28.51' RT

22- REMOVE TREE STA 1054+95.82 OFF 30.19' RT

23- PROTECT TREE STA 1055+24.93 OFF 45.45' RT

24- REMOVE TREE STA 1055+41.95 OFF 30.36' RT

25- REMOVE LIGHT POLE STA 1055+64.04 OFF 28.50' RT

26- REMOVE 44 LF STORM PIPE STA 1056+64.45 OFF 15.91' RT

27- REMOVE LIGHT POLE STA 1056+54.41 OFF 28.54' RT

28- REMOVE MANHOLE STA 1056+63.93 OFF 47.47' RT

29- REMOVE TREE STA 1056+58.42 OFF 57.15' RT

30- REMOVE SIGN STA 1056+93.50 OFF 42.46' RT

31- REMOVE MANHOLE STA 1056+76.42 OFF 0.06' RT

32- REMOVE 39 LF STORM PIPE STA 1056+82.65 OFF 23.29' LT

33- REMOVE LIGHT POLE STA 1057+72.14 OFF 28.73' RT

34- REMOVE TREE STA 1058+25.04 OFF 30.73' RT

35- REMOVE LIGHT POLE STA 1058+77.82 OFF 28.72' RT

36- REMOVE TREE STA 1059+13.37 OFF 31.82' RT

37- REMOVE SH[illegible] STA 1059+5[illegible] OFF 42.83' RT

38- REMOVE SHRUB STA 1059+50.91 OFF 46.60' RT

39- REMOVE SHRUB STA 1059+64.89 OFF 42.02' RT

40- REMOVE SHRUB STA 1059+65.20 OFF 45.19' RT

SALVAGE PAVERS WITHIN SIDEWALK AND RETURN TO PROPERTY OWNER, APPROX. 27 SY

41- REMOVE MANHOLE STA 1056+64.97 OFF 15.64' LT

42- REMOVE TREE STA 1057+01.01 OFF 59.16' LT

43- REMOVE INTAKE STA 1057+00.33 OFF 30.94' LT

44- REMOVE WATER VALVE STA 1057+00.09 OFF 19.03' LT

45- REMOVE FIRE HYDRANT STA 1057+12.61 OFF 31.51' LT

46- REMOVE WATER VALVE STA 1057+12.59 OFF 28.79' LT

47- REMOVE TREE STA 1057+33.05 OFF 30.04' LT

48- PROTECT SIGN STA 1057+74.87 OFF 49.44' LT

49- REMOVE WATER VALVE STA 1057+77.61 OFF 41.71' LT

50- REMOVE WATER VALVE STA 1057+94.58 OFF 39.21' LT

51- PROTECT LANDSCAPING STA 1058+09.70 OFF 44.47' LT

52- REMOVE 335 LF SANITARY PIPE STA 1058+50.48 OFF 0.09' LT

53- REMOVE TREE STA 1058+97.85 OFF 29.88' LT

54- REMOVE LIGHT POLE STA 1059+21.47 OFF 28.26' LT

LEGEND

- PROTECT
- REMOVAL
- RELOCATION
- ADJUSTMENT
- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- DRIVEWAY REMOVAL

0 20 FEET

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: A. MUENCH CHECKED BY: C. CARPER DRAWN BY: A. MUENCH
LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 12:39:16 PM
CAD FILE: c:\pw_workdir\pw_ie\fvd_amm\d0518375\0021C017.02_I01_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

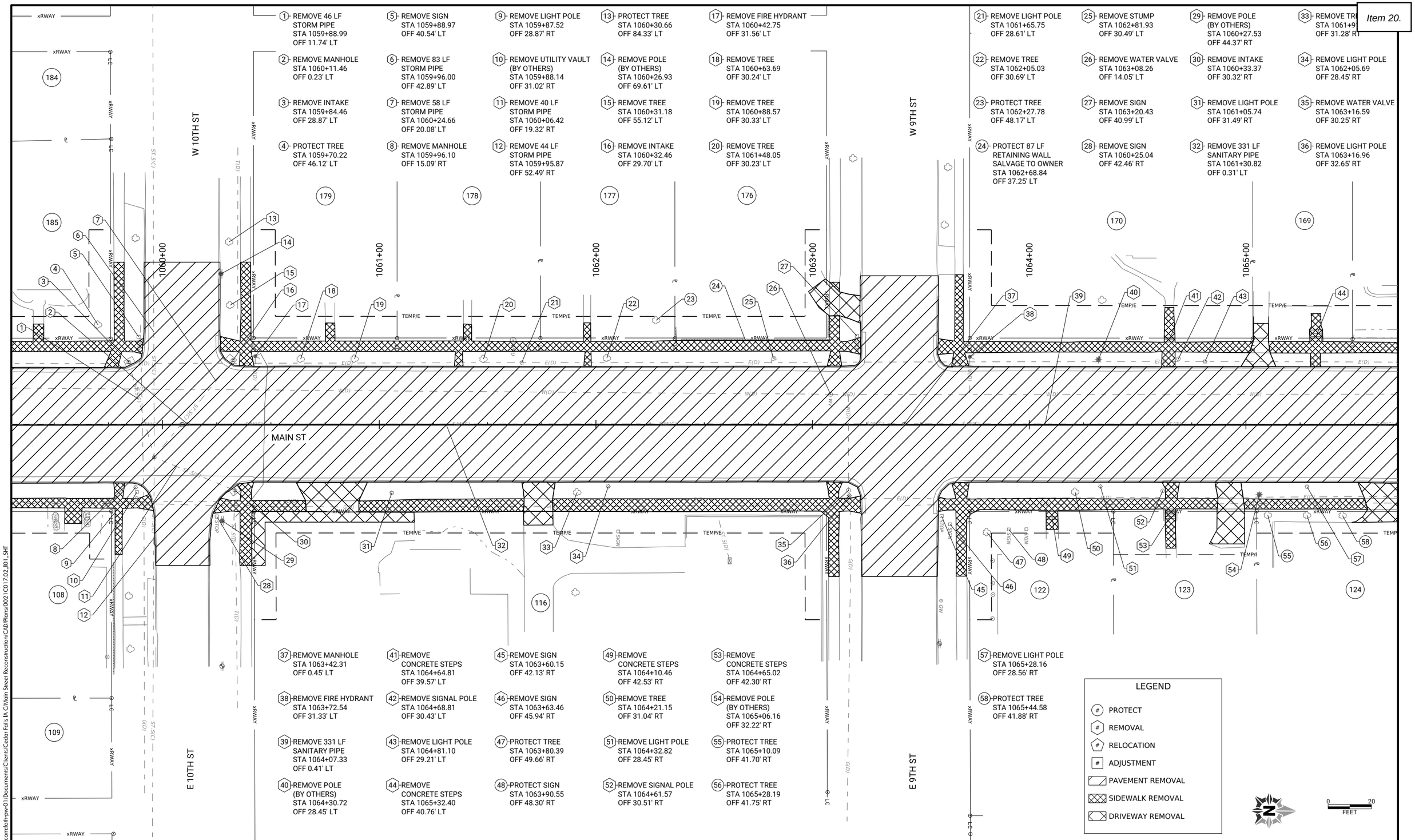
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET REMOVALS

SHEET NO.
I.10

STBG-SWAP-1185(657)

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Falls IA C\Main Street Reconstruction\CAD\Plans\0021C017.02_I01_SHT



1 REMOVE 46 LF STORM PIPE STA 1059+88.99 OFF 11.74' LT

2 REMOVE MANHOLE STA 1060+11.46 OFF 0.23' LT

3 REMOVE INTAKE STA 1059+84.46 OFF 28.87' LT

4 PROTECT TREE STA 1059+70.22 OFF 46.12' LT

5 REMOVE SIGN STA 1059+88.97 OFF 40.54' LT

6 REMOVE 83 LF STORM PIPE STA 1059+96.00 OFF 42.89' LT

7 REMOVE 58 LF STORM PIPE STA 1060+24.66 OFF 20.08' LT

8 REMOVE MANHOLE STA 1059+96.10 OFF 15.09' RT

9 REMOVE LIGHT POLE STA 1059+87.52 OFF 28.87' RT

10 REMOVE UTILITY VAULT (BY OTHERS) STA 1059+88.14 OFF 31.02' RT

11 REMOVE 40 LF STORM PIPE STA 1060+06.42 OFF 19.32' RT

12 REMOVE 44 LF STORM PIPE STA 1059+95.87 OFF 52.49' RT

13 PROTECT TREE STA 1060+30.66 OFF 84.33' LT

14 REMOVE POLE (BY OTHERS) STA 1060+26.93 OFF 69.61' LT

15 REMOVE TREE STA 1060+31.18 OFF 55.12' LT

16 REMOVE INTAKE STA 1060+32.46 OFF 29.70' LT

17 REMOVE FIRE HYDRANT STA 1060+42.75 OFF 31.56' LT

18 REMOVE TREE STA 1060+63.69 OFF 30.24' LT

19 REMOVE TREE STA 1060+88.57 OFF 30.33' LT

20 REMOVE TREE STA 1061+48.05 OFF 30.23' LT

21 REMOVE LIGHT POLE STA 1061+65.75 OFF 28.61' LT

22 REMOVE TREE STA 1062+05.03 OFF 30.69' LT

23 PROTECT TREE STA 1062+27.78 OFF 48.17' LT

24 PROTECT 87 LF RETAINING WALL SALVAGE TO OWNER STA 1062+68.84 OFF 37.25' LT

25 REMOVE STUMP STA 1062+81.93 OFF 30.49' LT

26 REMOVE WATER VALVE STA 1063+08.26 OFF 14.05' LT

27 REMOVE SIGN STA 1063+20.43 OFF 40.99' LT

28 REMOVE SIGN STA 1060+25.04 OFF 42.46' RT

29 REMOVE POLE (BY OTHERS) STA 1060+27.53 OFF 44.37' RT

30 REMOVE INTAKE STA 1060+33.37 OFF 30.32' RT

31 REMOVE LIGHT POLE STA 1061+05.74 OFF 31.49' RT

32 REMOVE 331 LF SANITARY PIPE STA 1061+30.82 OFF 0.31' LT

33 REMOVE TRE STA 1061+9 OFF 31.28' RT

34 REMOVE LIGHT POLE STA 1062+05.69 OFF 28.45' RT

35 REMOVE WATER VALVE STA 1063+16.59 OFF 30.25' RT

36 REMOVE LIGHT POLE STA 1063+16.96 OFF 32.65' RT

37 REMOVE MANHOLE STA 1063+42.31 OFF 0.45' LT

38 REMOVE FIRE HYDRANT STA 1063+72.54 OFF 31.33' LT

39 REMOVE 331 LF SANITARY PIPE STA 1064+07.33 OFF 0.41' LT

40 REMOVE POLE (BY OTHERS) STA 1064+30.72 OFF 28.45' LT

41 REMOVE CONCRETE STEPS STA 1064+64.81 OFF 39.57' LT

42 REMOVE SIGNAL POLE STA 1064+68.81 OFF 30.43' LT

43 REMOVE LIGHT POLE STA 1064+81.10 OFF 29.21' LT

44 REMOVE CONCRETE STEPS STA 1065+32.40 OFF 40.76' LT

45 REMOVE SIGN STA 1063+60.15 OFF 42.13' RT

46 REMOVE SIGN STA 1063+63.46 OFF 45.94' RT

47 PROTECT TREE STA 1063+80.39 OFF 49.66' RT

48 PROTECT SIGN STA 1063+90.55 OFF 48.30' RT

49 REMOVE CONCRETE STEPS STA 1064+10.46 OFF 42.53' RT

50 REMOVE TREE STA 1064+21.15 OFF 31.04' RT

51 REMOVE LIGHT POLE STA 1064+32.82 OFF 28.45' RT

52 REMOVE SIGNAL POLE STA 1064+61.57 OFF 30.51' RT

53 REMOVE CONCRETE STEPS STA 1064+65.02 OFF 42.30' RT

54 REMOVE POLE (BY OTHERS) STA 1065+06.16 OFF 32.22' RT

55 PROTECT TREE STA 1065+10.09 OFF 41.70' RT

56 PROTECT TREE STA 1065+28.19 OFF 41.75' RT

57 REMOVE LIGHT POLE STA 1065+28.16 OFF 28.56' RT

58 PROTECT TREE STA 1065+44.58 OFF 41.88' RT

LEGEND

- # PROTECT
- # REMOVAL
- # RELOCATION
- # ADJUSTMENT
- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- DRIVEWAY REMOVAL

0 20 FEET

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: A. MUENCH CHECKED BY: C. CARPER DRAWN BY: A. MUENCH
LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 12:39:26 PM
CAD FILE: c:\pw_workdir\pw_ie\fvd_amm\d0518375\0021C017.02_I01_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET REMOVALS

SHEET NO.
I.11
STBG-SWAP-1185(657

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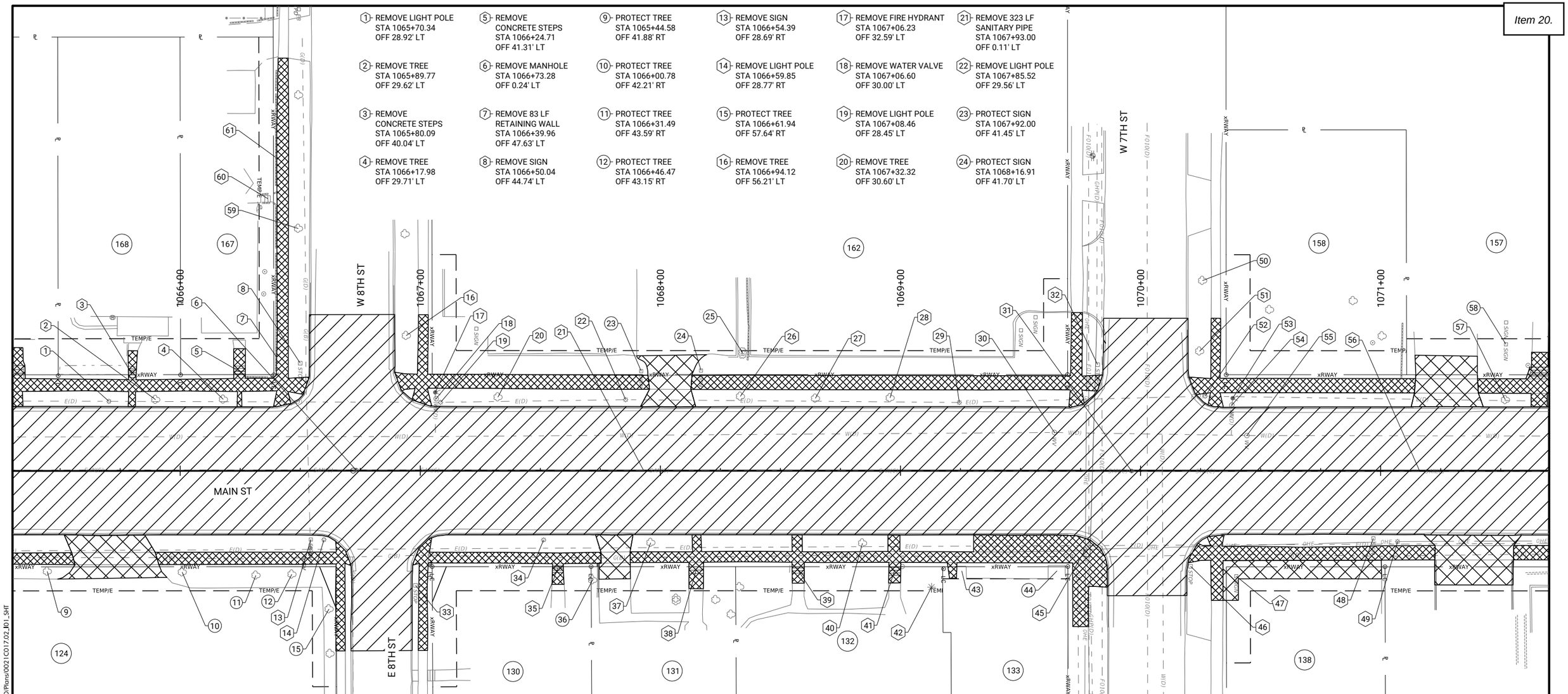


1 REMOVE LIGHT POLE STA 1065+70.34 OFF 28.92' LT

2 REMOVE TREE STA 1065+89.77 OFF 29.62' LT

3 REMOVE CONCRETE STEPS STA 1065+80.09 OFF 40.04' LT

4 REMOVE TREE STA 1066+17.98 OFF 29.71' LT

5 REMOVE CONCRETE STEPS STA 1066+24.71 OFF 41.31' LT

6 REMOVE MANHOLE STA 1066+73.28 OFF 0.24' LT

7 REMOVE 83 LF RETAINING WALL STA 1066+39.96 OFF 47.63' LT

8 REMOVE SIGN STA 1066+50.04 OFF 44.74' LT

9 PROTECT TREE STA 1065+44.58 OFF 41.88' RT

10 PROTECT TREE STA 1066+00.78 OFF 42.21' RT

11 PROTECT TREE STA 1066+31.49 OFF 43.59' RT

12 PROTECT TREE STA 1066+46.47 OFF 43.15' RT

13 REMOVE SIGN STA 1066+54.39 OFF 28.69' RT

14 REMOVE LIGHT POLE STA 1066+59.85 OFF 28.77' RT

15 PROTECT TREE STA 1066+61.94 OFF 57.64' RT

16 REMOVE TREE STA 1066+94.12 OFF 56.21' LT

17 REMOVE FIRE HYDRANT STA 1067+06.23 OFF 32.59' LT

18 REMOVE WATER VALVE STA 1067+06.60 OFF 30.00' LT

19 REMOVE LIGHT POLE STA 1067+08.46 OFF 28.45' LT

20 REMOVE TREE STA 1067+32.32 OFF 30.60' LT

21 REMOVE 323 LF SANITARY PIPE STA 1067+93.00 OFF 0.11' LT

22 REMOVE LIGHT POLE STA 1067+85.52 OFF 29.56' LT

23 PROTECT SIGN STA 1067+92.00 OFF 41.45' LT

24 PROTECT SIGN STA 1068+16.91 OFF 41.70' LT

25 PROTECT LANDSCAPING STA 1068+34.26 OFF 48.98' LT

26 REMOVE TREE STA 1068+33.30 OFF 30.93' LT

27 REMOVE TREE STA 1068+64.55 OFF 30.10' LT

28 REMOVE TREE STA 1068+95.65 OFF 30.32' LT

29 REMOVE LIGHT POLE STA 1069+24.51 OFF 28.44' LT

30 REMOVE WATER VALVE STA 1069+64.13 OFF 15.93' LT

31 REMOVE MANHOLE STA 1069+96.26 OFF 0.11' RT

32 REMOVE SIGN STA 1069+82.09 OFF 44.18' LT

33 REMOVE SIGN STA 1066+98.00 OFF 47.79' RT

34 REMOVE LIGHT POLE STA 1067+51.37 OFF 28.84' RT

35 REMOVE CONCRETE STEPS STA 1067+57.33 OFF 40.60' RT

36 PROTECT TREE STA 1067+71.76 OFF 45.55' RT

37 REMOVE TREE STA 1067+96.00 OFF 29.98' RT

38 REMOVE CONCRETE STEPS STA 1068+14.91 OFF 41.34' RT

39 REMOVE CONCRETE STEPS STA 1068+57.44 OFF 41.62' RT

40 REMOVE TREE STA 1068+84.17 OFF 30.18' RT

41 REMOVE CONCRETE STEPS STA 1068+97.59 OFF 41.39' RT

42 REMOVE TREE STA 1069+12.94 OFF 48.49' RT

43 PROTECT PLANTER STA 1069+25.53 OFF 41.68' RT

44 PROTECT PEDESTRIAN RAMP STA 1069+65.23 OFF 41.67' RT

45 REMOVE LIGHT POLE STA 1069+77.01 OFF 32.77' RT

46 PROTECT SIGN STA 1070+20.84 OFF 39.77' RT

47 RELOCATE SIGN STA 1070+39.88 OFF 43.92' RT

48 REMOVE SIGN STA 1070+96.97 OFF 28.12' RT

49 REMOVE LIGHT POLE STA 1071+07.03 OFF 29.46' RT

50 PROTECT TREE STA 1070+25.77 OFF 79.20' LT

51 REMOVE TREE STA 1070+24.55 OFF 49.77' LT

52 REMOVE LIGHT POLE STA 1070+26.88 OFF 31.06' LT

53 REMOVE FIRE HYDRANT STA 1070+38.37 OFF 30.23' LT

54 REMOVE WATER VALVE STA 1070+38.00 OFF 27.38' LT

55 REMOVE WATER VALVE STA 1070+44.28 OFF 14.69' LT

56 REMOVE 343 LF SANITARY PIPE STA 1071+16.26 OFF 0.18' LT

57 REMOVE TREE STA 1071+51.92 OFF 29.57' LT

58 PROTECT SIGN STA 1071+52.16 OFF 52.70' LT

59 REMOVE TREE STA 1066+49.29 OFF 100.82' LT

60 REMOVE CONCRETE STEPS STA 1066+36.64 OFF 113.24' LT

61 REMOVE 55 LF RETAINING WALL STA 1066+39.94 OFF 130.43' LT

0 20 FEET

LEGEND

- # PROTECT
- # REMOVAL
- # RELOCATION
- # ADJUSTMENT
- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- DRIVEWAY REMOVAL

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: A. MUENCH CHECKED BY: C. CARPER DRAWN BY: A. MUENCH
LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 12:39:37 PM
CAD FILE: c:\pw_workdir\pw_ie\fvd_amm\d0518375\0021C017.02_I01_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

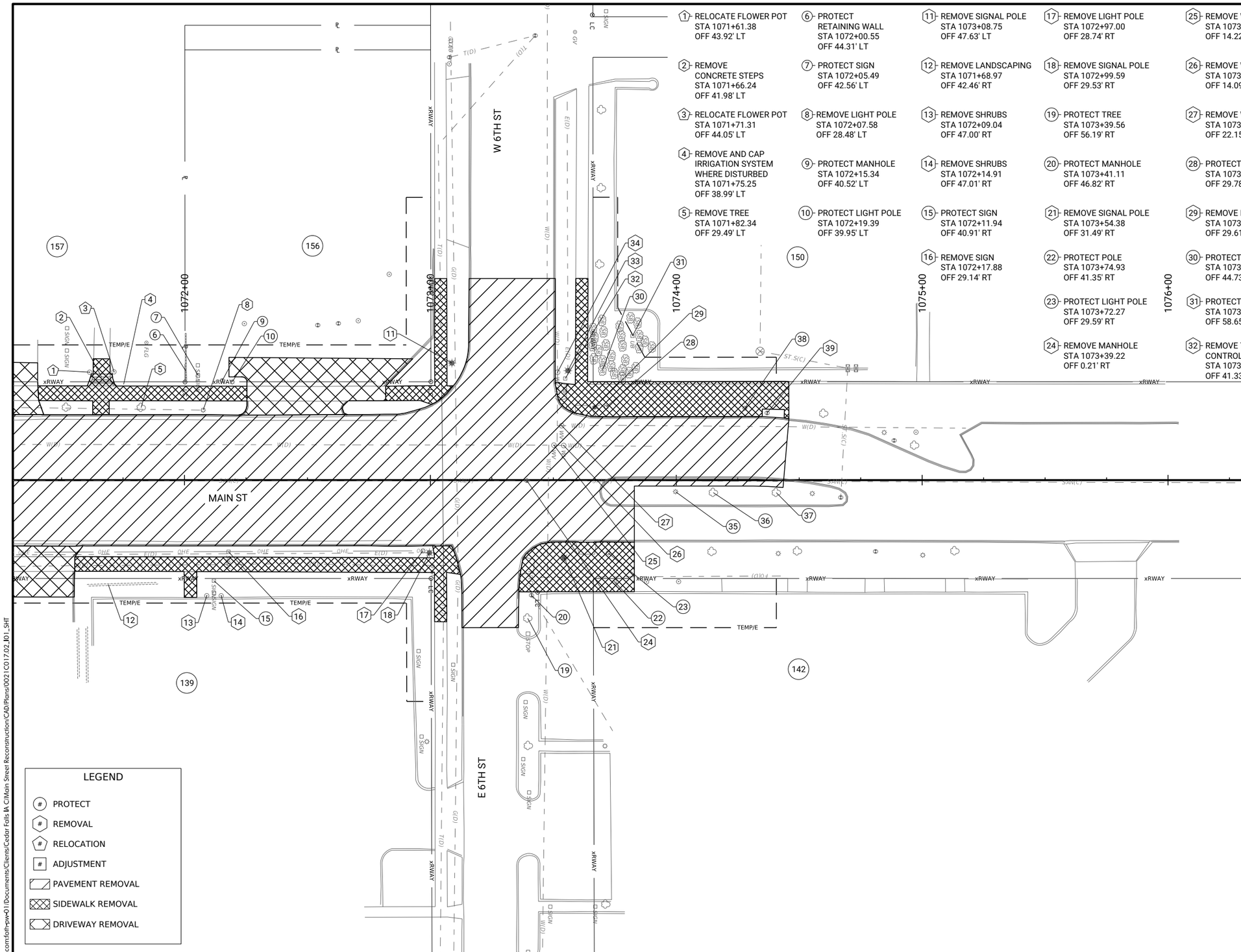
Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET REMOVALS

SHEET NO.
I.12
STBG-SWAP-1185(657)

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Falls IA C\Main Street Reconstruction\CAD\Plans\0021C017.02_I01_SHT



1 RELOCATE FLOWER POT
STA 1071+61.38
OFF 43.92' LT

2 REMOVE
CONCRETE STEPS
STA 1071+66.24
OFF 41.98' LT

3 RELOCATE FLOWER POT
STA 1071+71.31
OFF 44.05' LT

4 REMOVE AND CAP
IRRIGATION SYSTEM
WHERE DISTURBED
STA 1071+75.25
OFF 38.99' LT

5 REMOVE TREE
STA 1071+82.34
OFF 29.49' LT

6 PROTECT
RETAINING WALL
STA 1072+00.55
OFF 44.31' LT

7 PROTECT SIGN
STA 1072+05.49
OFF 42.56' LT

8 REMOVE LIGHT POLE
STA 1072+07.58
OFF 28.48' LT

9 PROTECT MANHOLE
STA 1072+15.34
OFF 40.52' LT

10 PROTECT LIGHT POLE
STA 1072+19.39
OFF 39.95' LT

11 REMOVE SIGNAL POLE
STA 1073+08.75
OFF 47.63' LT

12 REMOVE LANDSCAPING
STA 1071+68.97
OFF 42.46' RT

13 REMOVE SHRUBS
STA 1072+09.04
OFF 47.00' RT

14 REMOVE SHRUBS
STA 1072+14.91
OFF 47.01' RT

15 PROTECT SIGN
STA 1072+11.94
OFF 40.91' RT

16 REMOVE SIGN
STA 1072+17.88
OFF 29.14' RT

17 REMOVE LIGHT POLE
STA 1072+97.00
OFF 28.74' RT

18 REMOVE SIGNAL POLE
STA 1072+99.59
OFF 29.53' RT

19 PROTECT TREE
STA 1073+39.56
OFF 56.19' RT

20 PROTECT MANHOLE
STA 1073+41.11
OFF 46.82' RT

21 REMOVE SIGNAL POLE
STA 1073+54.38
OFF 31.49' RT

22 PROTECT POLE
STA 1073+74.93
OFF 41.35' RT

23 PROTECT LIGHT POLE
STA 1073+72.27
OFF 29.59' RT

24 REMOVE MANHOLE
STA 1073+39.22
OFF 0.21' RT

25 REMOVE WATER VALVE
STA 1073+50.24
OFF 14.22' LT

26 REMOVE WATER VALVE
STA 1073+54.21
OFF 14.09' LT

27 REMOVE WATER VALVE
STA 1073+53.37
OFF 22.15' LT

28 PROTECT LIGHT POLE
STA 1073+71.54
OFF 29.78' LT

29 REMOVE FIRE HYDRANT
STA 1073+66.74
OFF 29.61' LT

30 PROTECT LANDSCAPING
STA 1073+70.00
OFF 44.73' LT

31 PROTECT SIGN
STA 1073+82.21
OFF 58.65' LT

32 REMOVE TRAFFIC
CONTROL BOX
STA 1073+54.82
OFF 41.33' LT

33 REMOVE SIGNAL POLE
STA 1073+55.90
OFF 44.53' LT

34 REMOVE WATER VALVE
STA 1073+51.71
OFF 43.89' LT

35 PROTECT LIGHT POLE
STA 1073+99.71
OFF 4.70' RT

36 PROTECT TREE
STA 1074+15.05
OFF 5.08' RT

37 PROTECT TREE
STA 1073+40.67
OFF 5.07' RT

38 PROTECT LIGHT POLE
STA 1074+27.88
OFF 29.23' LT

39 REMOVE INTAKE
STA 1074+36.96
OFF 27.35' LT

LEGEND

- # PROTECT
- # REMOVAL
- # RELOCATION
- # ADJUSTMENT
- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- DRIVEWAY REMOVAL

0 20
FEET

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: A. MUENCH	CHECKED BY: C. CARPER	DRAWN BY: A. MUENCH	
LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022	12:39:49 PM	
CAD FILE: c:\pw_workdir\pw_ie\fvd_amm\d0518375\0021C017.02_I01_SHT.dgn			

NO	DATE	BY	REVISION DESCRIPTION

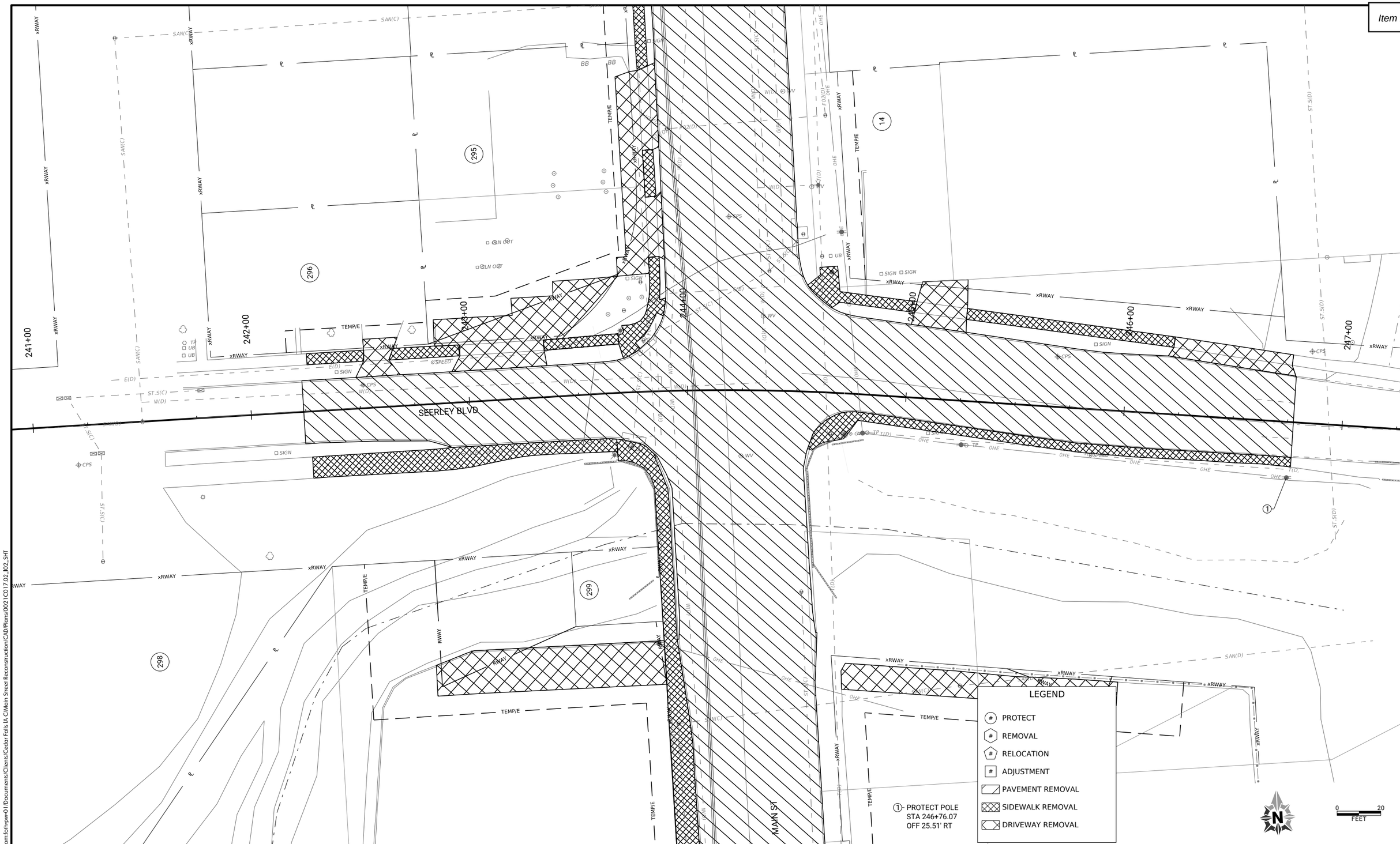
Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
REMOVALS

SHEET NO.
I.13
STBG-SWAP-1185(657)

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Falls IA C/Main Street Reconstruction/CAD/Plans/0021C017.02_I01_SHT



CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: A. MUENCH	CHECKED BY: C. CARPER	DRAWN BY: A. MUENCH	
LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022	1:30:13 PM	
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

SEERLEY BOULEVARD
REMOVALS

SHEET NO.
I.14

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Falls IA C\Main Street Reconstruction\CAD\Plans\0021C017.02_I02_SHT

1 - REMOVE INTAKE
STA 182+77.06
OFF 20.72' LT

2 - ADJUST MANHOLE
STA 183+44.47
OFF 26.60' LT

3 - REMOVE INTAKE
STA 182+75.92
OFF 15.53' RT

4 - REMOVE 35 LF
STORM PIPE
STA 182+76.82
OFF 2.77' RT

5 - REMOVE SIGN
STA 183+47.38
OFF 23.15' RT

6 - ADJUST MANHOLE
STA 183+65.35
OFF 21.07' RT

7 - ADJUST MANHOLE
STA 183+69.35
OFF 21.17' RT

8 - PROTECT LANDSCAPING
STA 183+72.83
OFF 37.79' RT

9 - REMOVE SIGN
STA 183+68.82
OFF 37.28' LT

10 - REMOVE SIGN
STA 183+82.71
OFF 24.97' LT

11 - REMOVE POLE
(BY OTHERS)
STA 184+44.60
OFF 23.16' LT

12 - REMOVE SIGN
STA 184+54.19
OFF 23.52' LT

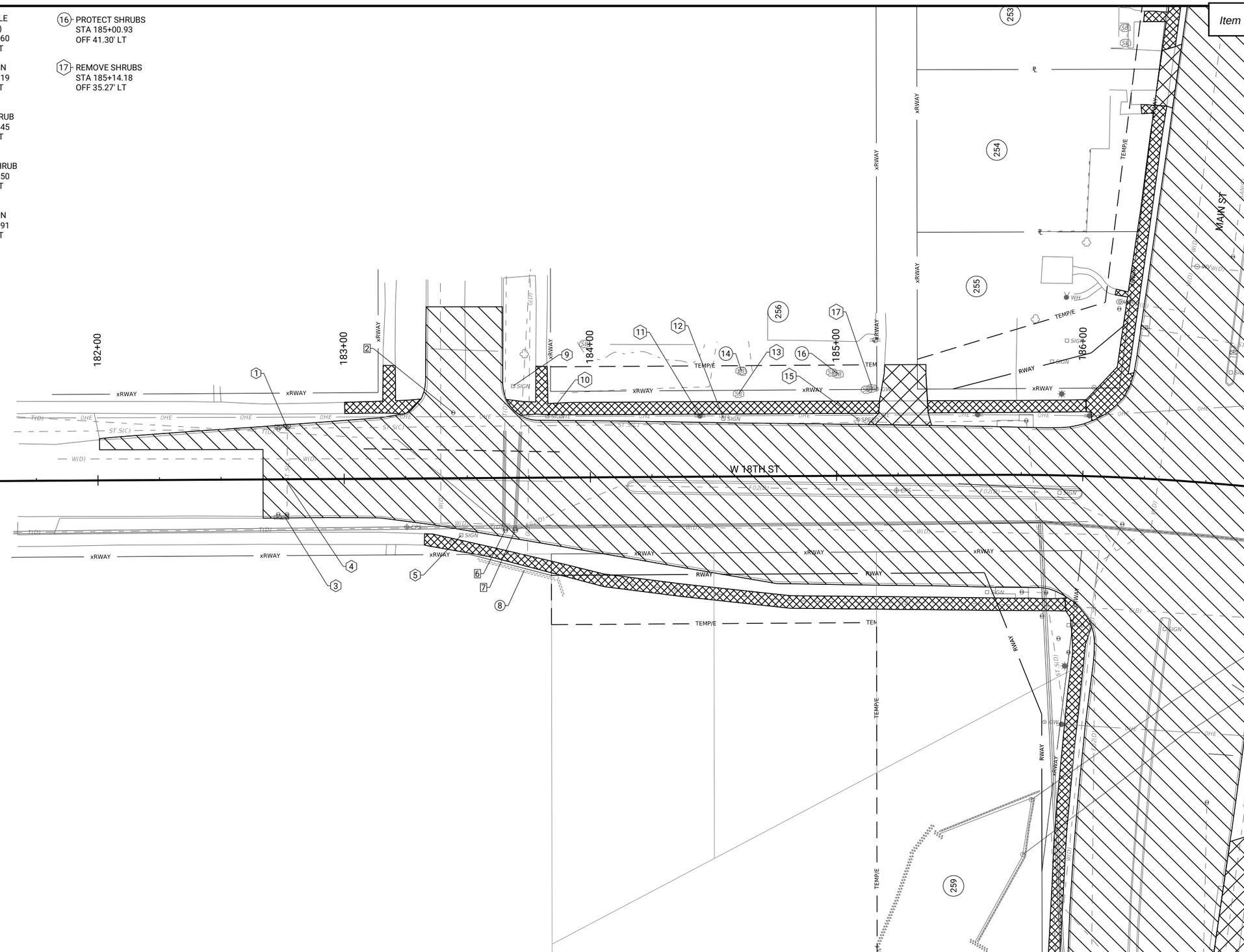
13 - REMOVE SHRUB
STA 184+60.45
OFF 33.62' LT

14 - PROTECT SHRUB
STA 184+61.50
OFF 42.87' LT

15 - REMOVE SIGN
STA 185+08.91
OFF 22.87' LT

16 - PROTECT SHRUBS
STA 185+00.93
OFF 41.30' LT

17 - REMOVE SHRUBS
STA 185+14.18
OFF 35.27' LT



LEGEND

- PROTECT
- REMOVAL
- RELOCATION
- ADJUSTMENT
- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- DRIVEWAY REMOVAL

0 20
FEET

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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: A. MUENCH CHECKED BY: C. CARPER DRAWN BY: A. MUENCH
LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 1:30:17 PM
CAD FILE: c:\pw_workdir\pw_ie\fvd_amm\d0518375\0021C017.02_I02_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

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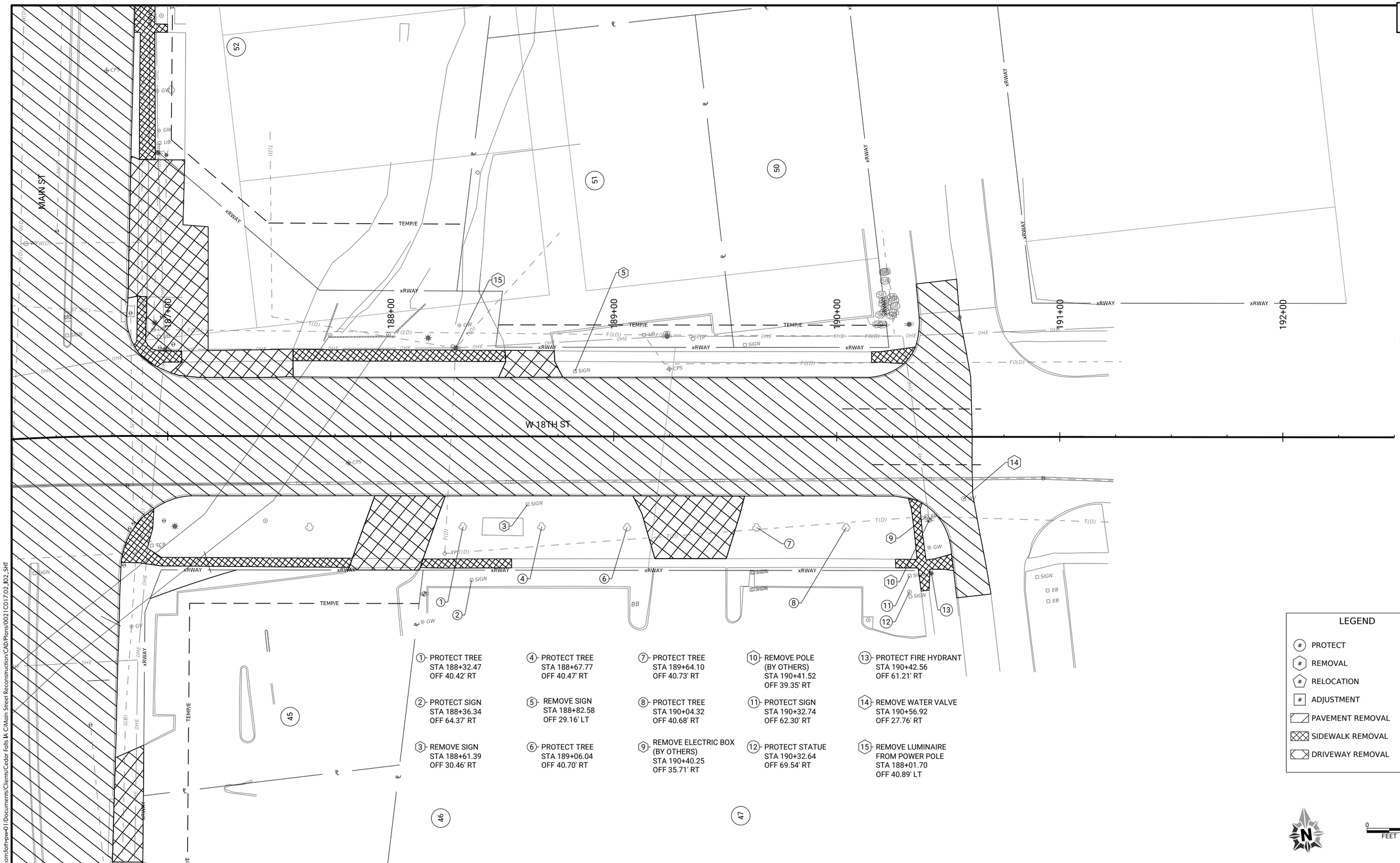
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

18TH STREET REMOVALS

SHEET NO.
I.15



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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: A. MUENCH CHECKED BY: C. CARPER DRAWN BY: A. MUENCH
LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 1:30:18 PM
CAD FILE: c:\pw_workdir\pw_ie\fvd_amm\d0518375\0021C017.02_I02_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

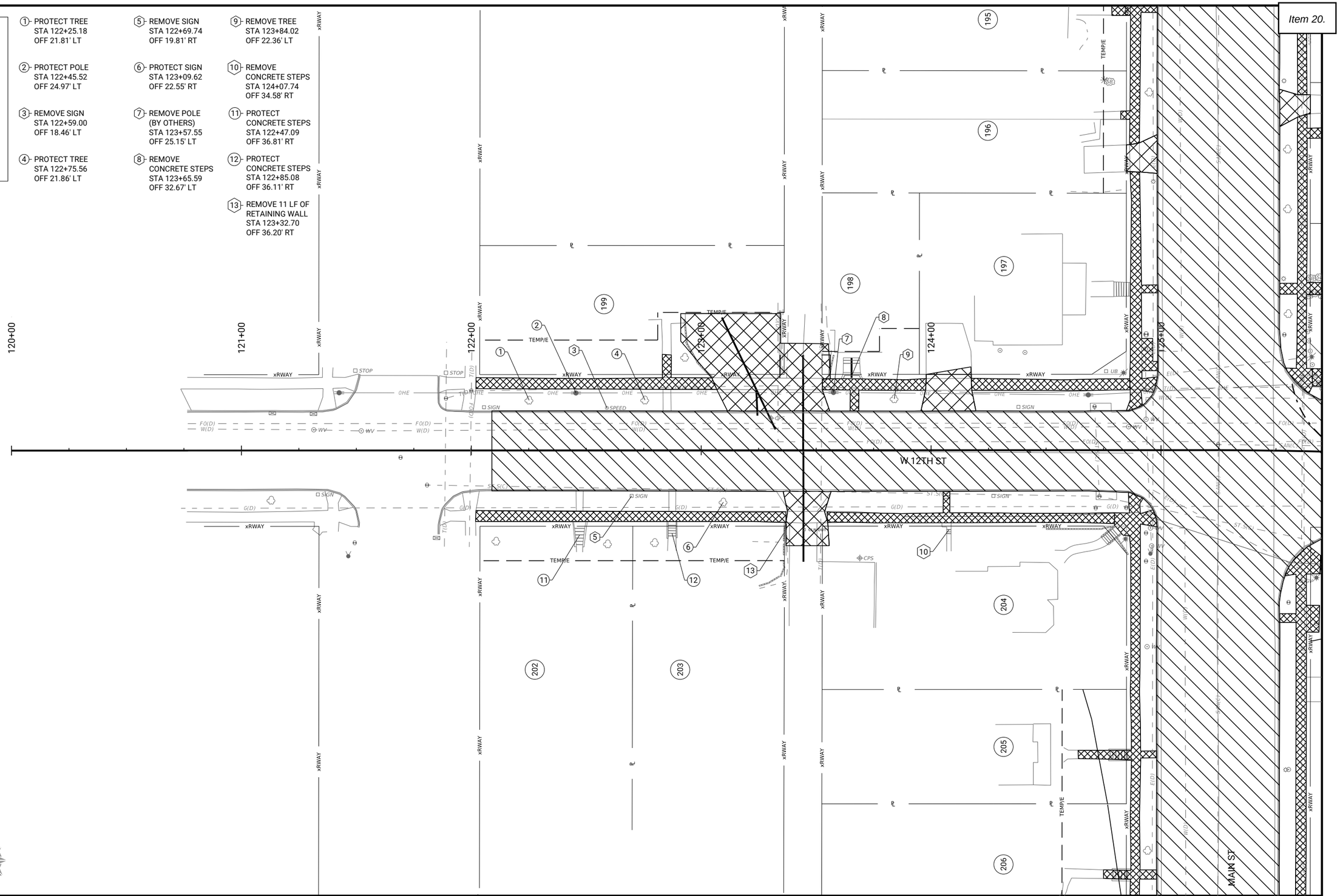
18TH STREET
REMOVALS

SHEET NO.
I.16

LEGEND

- (#) PROTECT
- (#) REMOVAL
- (#) RELOCATION
- (#) ADJUSTMENT
- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- DRIVEWAY REMOVAL

1. PROTECT TREE STA 122+25.18 OFF 21.81' LT
2. PROTECT POLE STA 122+45.52 OFF 24.97' LT
3. REMOVE SIGN STA 122+59.00 OFF 18.46' LT
4. PROTECT TREE STA 122+75.56 OFF 21.86' LT
5. REMOVE SIGN STA 122+69.74 OFF 19.81' RT
6. PROTECT SIGN STA 123+09.62 OFF 22.55' RT
7. REMOVE POLE (BY OTHERS) STA 123+57.55 OFF 25.15' LT
8. REMOVE CONCRETE STEPS STA 123+65.59 OFF 32.67' LT
9. REMOVE TREE STA 123+84.02 OFF 22.36' LT
10. REMOVE CONCRETE STEPS STA 124+07.74 OFF 34.58' RT
11. PROTECT CONCRETE STEPS STA 122+47.09 OFF 36.81' RT
12. PROTECT CONCRETE STEPS STA 122+85.08 OFF 36.11' RT
13. REMOVE 11 LF OF RETAINING WALL STA 123+32.70 OFF 36.20' RT



CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: A. MUENCH	CHECKED BY: C. CARPER	DRAWN BY: A. MUENCH	
LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022	1:30:20 PM	
CAD FILE: c:\pw_workdir\pw_ie\fvd_amm\d0518375\0021C017.02_I02_SHT.dgn			

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

12TH STREET REMOVALS

SHEET NO.
I.17

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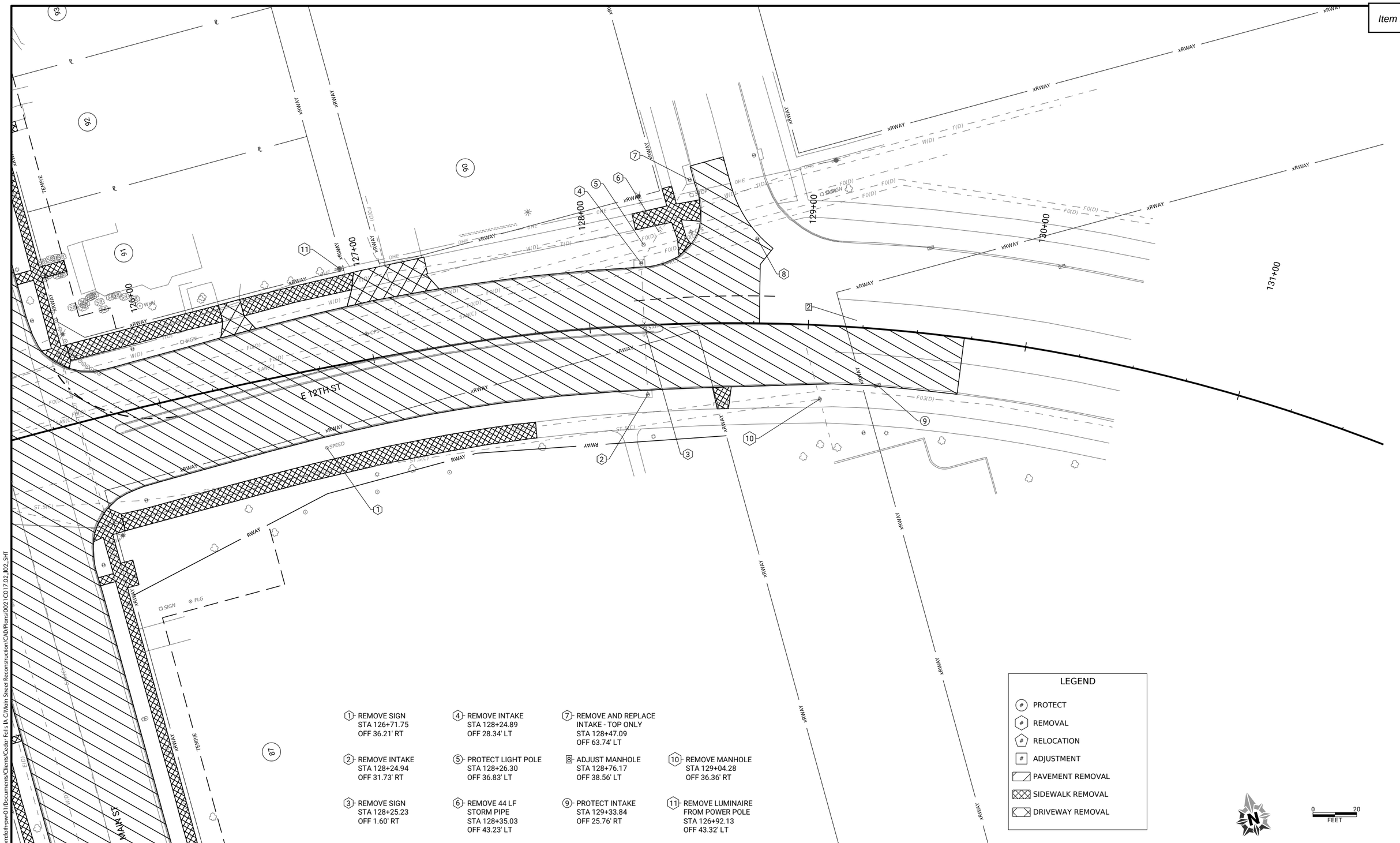

1 REMOVE SIGN
STA 126+71.75
OFF 36.21' RT

2 REMOVE INTAKE
STA 128+24.94
OFF 31.73' RT

3 REMOVE SIGN
STA 128+25.23
OFF 1.60' RT

4 REMOVE INTAKE
STA 128+24.89
OFF 28.34' LT

5 PROTECT LIGHT POLE
STA 128+26.30
OFF 36.83' LT

6 REMOVE 44 LF
STORM PIPE
STA 128+35.03
OFF 43.23' LT

7 REMOVE AND REPLACE
INTAKE - TOP ONLY
STA 128+47.09
OFF 63.74' LT

8 ADJUST MANHOLE
STA 128+76.17
OFF 38.56' LT

9 PROTECT INTAKE
STA 129+33.84
OFF 25.76' RT

10 REMOVE MANHOLE
STA 129+04.28
OFF 36.36' RT

11 REMOVE LUMINAIRE
FROM POWER POLE
STA 126+92.13
OFF 43.32' LT

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: A. MUENCH CHECKED BY: C. CARPER DRAWN BY: A. MUENCH
LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 1:30:21 PM
CAD FILE: c:\pw_workdir\pw_ie\fvd_amm\d0518375\0021C017.02_I02_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

12TH STREET
REMOVALS

SHEET NO.
I.18

STBG-SWAP-1185(657)

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108-23A
08-01-08

TRAFFIC CONTROL PLAN

The Contractor shall employ sound practices of safety and traffic control. These methods and practices shall include, but not be limited to, the following:

1. The Contractor shall coordinate traffic control with other projects in the area.
2. Traffic control on this project shall be in accordance with specific layouts shown on these plans and the Manual on Uniform Traffic Control Devices for Streets and Highways, as adopted by the Department per 761 of the Iowa Administrative Code (IAC), Chapter 130.
3. All traffic control devices shall be furnished, erected, maintained and removed by the contractor. Contractor to verify traffic control devices at a minimum of once a week or immediately after any weather event. Correct as necessary.
4. All traffic control signs shall be placed at a minimum of 2 feet clear of the back of curb or outside edge of shoulder where possible.
5. Portable mountings for warning signs may be used for temporary installations of 3 days or less.
6. The proposed signing may be modified to meet field conditions, prevent obstructions and to accommodate construction scheduling upon approval of the project engineer.
7. Orange safety fence shall be placed entirely across the traveled portion of the roadway at all locations where Type III Barricades with "Road Closed" signs are used.
8. Long term or permanent traffic control signs that conflict with specific layouts shown on these plans are to be covered as directed by the project engineer.
9. Washing of signs and traffic control devices shall be considered incidental to traffic control and required as directed by the project engineer.
10. The Contractor shall only remove signs as indicated in the contract documents.
11. All permanent road signs shall be installed before the roadway is reopened to traffic.
12. The Contractor shall place painted pavement markings as indicated by the staging and traffic control plan. The Contractor shall also remove existing and temporary markings as necessary for the proposed traffic control plan. The removal method shall be approved by the project engineer and shall not permanently damage or scar the pavement.
13. The location for storage of equipment by the contractor during nonworking hours shall be as approved by the engineer. The Contractor shall provide a written agreement with the property owner(s) if private property is used to store equipment.

108-26A
08-01-08

STAGING NOTES

Construction activity in this area will disrupt traffic on Main Street, Seerley Blvd, 18th Street, 12th Street/Waterloo Rd, East 6th Street, and the following local side streets:
- 7th St, 8th St, 9th St, 10th St, 11th St, State St, 13th St, 14th St, 15th St, 16th St, 17th St, 20th St, 21st St, 22nd St

It is recognized that as the various activities related to construction progress, certain situations may arise which will preclude adhering to the original construction sequence or which would readily lend themselves to more efficient staging operations. Should the Contractor desire to deviate from the original plan, a written alternative plan shall be submitted to the Project Engineer for approval a minimum of two (2) weeks prior to the proposed changes. Coordinate with all public and private projects in the area at all times.

TRAFFIC CONTROL:
1. Maintain one lane in each direction on Main Street at all times, except during closure of the Seerley Blvd and 6th St intersections.
2. Contractor shall use a Portable Dynamic Message Signs (PDMS) to inform the public a minimum of three (3) days prior to minor changes in traffic patterns on side roads and five (5) days for major traffic pattern changes. Locations of PDMS will be determined by the Engineer in the field. Refer to detailed staging notes for additional information.
3. Contractor shall confine its equipment, storage of materials, and operation of work to the limits indicated by laws, ordinances, permits, or direction of the Engineer and shall not unreasonably encumber the premises with it's materials. The Contractor shall comply with the Engineer's instructions regarding signs and advertisements.
4. If Contractor plans to store equipment or materials on private property they need to provide a copy of the agreement to the City.

GENERAL STAGING COMMENTS AND PROJECT INTENT:
The Contractor shall work in a continuous manner to complete the project. This may require multiple mobilizations to perform work tasks when a portion of the site is available. The Contractor shall follow the construction staging plan as indicated in the contract documents. The Contractor may submit an alternative construction staging plan to be approved by the Engineer.

Contractor to maintain storm water flow throughout the duration of the project. Bid items have been included for temporary pipe and connections where necessary. The Staging Plan identifies existing and proposed structures that need to be modified or partially built in stages to maintain drainage and accommodate temporary pavement and traffic.

Construction is planned for the 2023, 2024, and 2025 construction seasons. Work will be halted from approximately December to March following the 2023 and 2024 construction seasons for winter shutdown.

Phases 1 and 2 are planned to be completed in 2023. Phases 3 and 4 are planned to be completed in 2024. The 2025 construction season will complete any remaining roadway work and all landscaping.

Phases 1 and 2 can be completed concurrently.

108-
08-01-08

STAGING NOTES

The order of Phases shall not be altered unless approved by the Engineer. The sequence of Phases was determined based on the storm sewer and sanitary sewer gravity pipes.

The following roadways will be closed at times during construction:

Main Street
1) Closed south of Seerley Blvd to through traffic during Phase 1 - Stages 1 and 2.
2) Closed north of 6th Street to through traffic during Phase 2 - Stage 1.

6th Street
1) Closed east of Main Street to through traffic during Phase 2 - Stage 3.
2) Closed west of Main Street to through traffic during Phase 2 - Stage 5.

7th Street and 8th Street
1) Closed east of Main Street to through traffic during Phase 2 - Stage 3.
2) Closed west of Main Street to through traffic during Phase 2 - Stage 5.

9th Street, 10th Street, and 11th Street
1) Closed east of Main Street to through traffic during Phase 3 - Stage 2.
2) Closed west of Main Street to through traffic during Phase 3 - Stage 4.

12th Street/Waterloo Road
1) Closed east of Main Street to through traffic during Phase 3 - Stage 1, 2, and 3.
2) Closed west of Main Street to through traffic during Phase 3 - Stage 2, 3, and 4.

13th Street
1) Closed west of Main Street to through traffic during Phase 3 - Stage 4.
2) Closed east of Main Street to through traffic during Phase 3 - Stage 6.

14th Street, 15th Street, and 16th Street
1) Closed east of Main Street to through traffic during Phase 4 - Stage 4.
2) Closed west of Main Street to through traffic during Phase 4 - Stage 6.

17th Street
1) Closed west of Main Street to through traffic during Phase 4 - Stage 6.

18th Street
1) Closed east of Main Street to through traffic during Phase 4 - Stage 2. One eastbound lane is to remain open for emergency vehicles only.
2) Closed east of Main Street to westbound traffic during Phase 4 - Stage 3. Maintain one eastbound lane.
3) Closed west of Main Street to through traffic during Phase 4 - Stage 6. One westbound lane is to remain open for emergency vehicles only.
4) Closed west of Main Street to eastbound traffic during Phase 4 - Stage 7. Maintain one westbound lane.

20th Street, 21st Street, and 22nd Street
1) Closed east of Main Street to through traffic during Phase 1 - Stage 2.
2) Closed west of Main Street to through traffic during Phase 1 - Stage 5.

Seerley Blvd
1) Closed east of Main Street to through traffic during Phase 1 - Stage 3.
2) Closed west of Main Street to through traffic during Phase 1 - Stage 6.

COMPLETION DATES, CRITICAL CLOSURE DATES, AND NO EXCUSE BONUSES:

Site ID 01: Phase 1 and Phase 2
INTERIM COMPLETION DATE: November 15, 2023
1) Complete work in Phase 1 and Phase 2 in preparation for winter shutdown, so that all lanes are open to traffic. No traffic control shall remain in place over the winter. Liquidated damages in the amount of $3,000/day shall apply if all lanes are not open to traffic on/before 11/15/2023.
CRITICAL CLOSURE:
1) There are 112 calendar days for the closure of Main Street south of Seerley Blvd for installation of the box culvert and south half of roundabout as shown in Phase 1, Stages 1-2. Liquidated damages in the amount of $3,000/day shall apply if Main Street is not opened to traffic on/before the 112th consectutive closure day.
NO EXCUSE ROAD OPENING BONUS: November 15, 2023
1) There is a no excuse road opening bonus of $215,000 for final completion of Phase 1 and Phase 2 and all lanes are open to traffic on/before 11/15/2023.

Site ID 02: Phase 3 and Phase 4
INTERIM COMPLETION DATE: November 15, 2024
1) Complete work in Phase 3 and Phase 4 in preparation for winter shutdown, so that all lanes are open to traffic. No traffic control shall remain in place over the winter. Liquidated damages in the amount of $3,000/day shall apply if all lanes are not open to traffic on/before 11/15/2024.
NO EXCUSE ROAD OPENING BONUS: November 15, 2024
1) There is a no excuse road opening bonus of $215,000 for final completion of Phase 3 and Phase 4 and all lanes are open to traffic on or before 11/15/2024.

Site ID 03: Entire Project
COMPLETION DATE: August 16, 2025
1) Final completion of all work, including punch list items, and all lanes are open to traffic. Liquidated damages in the amount of $3,000/day shall apply if the project is not completed on/before 8/16/2025.

108-26A
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STAGING NOTES

GENERAL STAGING COMMENTS AND PROJECT INTENT:

PHASE 1 - MAIN STREET FROM SEERLEY BLVD TO 18TH STREET (2023 Construction)

PHASE 1 STAGE 1 - Box culvert at Seerley Blvd and sanitary sewer from Seerley Blvd to 18th Street

1. Refer to sheet J.6. Install detour traffic control and signing in accordance with the Traffic Control Plan prior to closing Main Street (south of Seerley Blvd).

2. Refer to sheets J.14-J.17 for staging plan. Complete the following construction activities:
- Install detour pavement, temporary barrier rail, striping, signage, and traffic signal (Temporary Signal #1 - span wire).
- Saw cut and remove pavement.
- Construct box culvert.
- Construct storm sewer and water main south of Seerley Blvd.
- Construct sanitary sewer (center of Main Street). Contractor to limit construction activities to approximately 500' sections to maintain side road access as much as possible. TBR is to be installed on both sides of the trench. Sanitary sewer laterals crossing the outside lanes will require temporary closures of Main Street. This shall be completed as night work between 9:00 pm and 6:00 am.
- Install detour pavement and granular surfacing for future stages.

PHASE 1 STAGE 2 - South leg of Seerley Blvd roundabout and east third of Main Street from 22nd St to south of 18th St

1. Refer to sheet J.6. Maintain Main Street detour route installed prior to Phase 1 Stage 1.

2. Refer to sheets J.18-J.21 for staging plan. Complete the following construction activities:
- Install temporary striping and signage.
- Saw cut and remove pavement.
- Construct storm sewer and water main.
- Install new PCC pavement.
- Construct East 22nd Street half at a time to maintain access at all times.

PHASE 1 STAGE 3 - East leg of Seerley Blvd roundabout and east third of Main Street from Seerley Blvd to 22nd St

1. Refer to sheet J.9. Install detour traffic control and signing in accordance with the Traffic Control Plan prior to closing Seerley Blvd (east of Main Street).

2. Refer to sheet J.6. Remove Main Street detour.

3. Refer to sheets J.22-J.25 for staging plan. Complete the following construction activities:
- Remove Temporary signal #1
- Install temporary striping and signage. Adjust temporary traffic signal layout.
- Remove Temporary Signal #1 and install Temporary Signal #2 (three trailer mounted signals)
- Saw cut and remove pavement.
- Construct storm sewer and water main.
- Install new PCC pavement.
- Maintain access to Tuffy's Auto Service Center (2322 Main Street) at all times via existing/proposed driveways off Seerley Blvd or construct a temporary access off Main Street.

PHASE 1 STAGE 4 - Center third of Main Street from Seerley Blvd to south of 18th St

1. Refer to sheet J.9. Remove Seerley Blvd detour.

2. Refer to sheets J.26-J.29 for staging plan. Complete the following construction activities:
- Install temporary striping and signage. Adjust temporary traffic signal layout.
- Adjust Temporary Signal #2 configuration to Temporary Signal #3 (four trailer mounted signals)
- Saw cut and remove pavement.
- Construct storm sewer and water main.
- Install new PCC pavement.

PHASE 1 STAGE 5 - West third of Main Street from Seerley Blvd to south of 18th St

1. Refer to sheets J.30-J.33 for staging plan. Complete the following construction activities:
- Install temporary striping and signage. Adjust Temporary Traffic Signal #3 layout as needed.
- Saw cut and remove pavement.
- Construct storm sewer and water main.
- Install new PCC pavement.

PHASE 1 STAGE 6 - West leg of Seerley Blvd roundabout

1. Refer to sheet J.9. Reinstall detour traffic control and signing in accordance with the Traffic Control Plan prior to closing Seerley Blvd (west of Main Street).

2. Refer to sheets J.34-J.37 for staging plan. Complete the following construction activities:
- Install temporary striping and signage. Adjust temporary traffic signal layout.
- Adjust Temporary Signal #3 configuration to Temporary Signal #4 (three trailer mounted signals).
- Saw cut and remove pavement.
- Construct storm sewer and water main.
- Install new PCC pavement.

PHASE 1 STAGE 7 - Seerley Blvd roundabout center circle and splitter islands

1. Refer to sheet J.9. Remove Seerley Blvd detour.

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08-01-08

STAGING NOTES

2. Refer to sheets J.38-J.41 for staging plan. Complete the following construction activities:
- Install temporary striping and signage.
- Remove Temporary Signal #4.
- Saw cut and remove pavement.
- Install new PCC pavement.

PHASE 2 - MAIN STREET FROM 6TH STREET TO 9TH STREET (2023 Construction)

PHASE 2 STAGE 1 - West third of Main Street and 6th Street intersection

1. Refer to sheet J.40. Install detour traffic control and signing in accordance with the Traffic Control Plan prior to closing Main Street north of 6th Street.

2. Refer to sheet J.40 for staging plan. Complete the following construction activities:
- Install traffic control, striping, and signage.
- Saw cut and remove pavement.
- Construct storm sewer and water main.
- Install new PCC pavement.

PHASE 2 STAGE 2 - Sanitary sewer from 6th Street to 9th Street

1. Refer to sheet J.40. Remove Main Street detour.

2. Refer to sheets J.41-J.42 for staging plan. Complete the following construction activities:
- Install traffic control, striping, and signage.
- Saw cut and remove pavement.
- Construct sanitary sewer (center of Main Street). Contractor to limit construction activities to approximately 500' sections to maintain side road access as much as possible. TBR is to be installed on both sides of the trench. Sanitary sewer laterals crossing the outside lanes will require temporary closures of Main Street. This shall be completed as night work between 9:00 pm and 6:00 am.
- Install detour pavement and granular surfacing for future stages.

PHASE 2 STAGE 3 - East third of Main Street from 6th Street to 9th Street

1. Refer to sheets J.43-J.44 for staging plan. Complete the following construction activities:
- Install traffic control, striping, and signage.
- Saw cut and remove pavement.
- Construct storm sewer and water main.
- Install new PCC pavement.

PHASE 2 STAGE 4 - Center third of Main Street from 6th Street to 9th Street

1. Refer to sheets J.45-J.46 for staging plan. Complete the following construction activities:
- Install traffic control, striping, and signage.
- Saw cut and remove pavement.
- Construct storm sewer and water main.
- Install new PCC pavement.

PHASE 2 STAGE 5 - West third of Main Street from 6th Street to 9th Street

1. Refer to sheets J.47-J.48 for staging plan. Complete the following construction activities:
- Install traffic control, striping, and signage.
- Saw cut and remove pavement.
- Construct storm sewer and water main.
- Install new PCC pavement.
- Construct Casey's (601 Main Street) Main Street access half at a time to maintain access at all times.
- Install new permanent traffic signal.

PHASE 3 - MAIN STREET FROM 9TH STREET TO 13TH STREET (2024 Construction)

PHASE 3 STAGE 1 - East leg of 12th Street (Waterloo Rd) roundabout and sanitary sewer from 9th Street to 13th Street

1. Refer to sheet J.7. Install detour traffic control and signing in accordance with the Traffic Control Plan prior to closing 12th Street (east of Main Street).

2. Refer to sheets J.49-J.52 for staging plan. Complete the following construction activities:
- Install detour pavement, temporary barrier rail, striping, and signage.
- Saw cut and remove pavement.
- Construct storm sewer and water main.
- Construct sanitary sewer (center of Main Street). Contractor to limit construction activities to approximately 500' sections to maintain side road access as much as possible. TBR is to be installed on both sides of the trench. Sanitary sewer laterals crossing the outside lanes will require temporary closures of Main Street. This shall be completed as night work between 9:00 pm and 6:00 am.
- Install detour pavement and granular surfacing for future stages.
- Install new PCC pavement.

PHASE 3 STAGE 2 - East third of Main Street from 9th Street to 13th Street

1. Refer to sheet J.7. Close 12th Street west of Main Street and Maintain 12th Street detour route installed prior to Phase 3 Stage 1.

STAGING NOTES

2. Refer to sheets J.53-J.56 for staging plan. Complete the following construction activities:
- Install temporary striping and signage.
- Saw cut and remove pavement.
- Construct storm sewer and water main.
- Install new PCC pavement.

PHASE 3 STAGE 3 - Center third of Main Street from 9th Street to 12th Street

1. Refer to sheet J.7. Maintain 12th Street detour route installed prior to Phase 3 Stage 1.

2. Refer to sheets J.57-J.60 for staging plan. Complete the following construction activities:
- Install temporary striping and signage.
- Saw cut and remove pavement.
- Construct storm sewer and water main.
- Install new PCC pavement.

PHASE 3 STAGE 4 - West half of 12th Street roundabout and west third of Main Street from 9th Street to 13th Street

1. Refer to sheet J.7. Maintain 12th Street detour route installed prior to Phase 3 Stage 1. 12th Street east of Main Street is open open to traffic. No trucks; truck traffic shall continue to follow detour and use the 18th Street & Main Street intersection.

2. Refer to sheets J.61-J.64 for staging plan. Complete the following construction activities:
- Install temporary striping, signage, and traffic signal (Temporary Signal #5 - three trailer mount signals).
- Saw cut and remove pavement.
- Construct storm sewer and water main.
- Install new PCC pavement.

PHASE 3 STAGE 5 - Center third of Main Street from 12th Street to 13th Street

1. Refer to sheet J.7. Remove 12th Street detour.

2. Refer to sheets J.65-J.68 for staging plan. Complete the following construction activities:
- Install traffic control, striping, and signage.
- Remove Temporary Signal #5.
- Saw cut and remove pavement.
- Install new PCC pavement.

PHASE 3 STAGE 6 - East third of Main Street from 12th Street to 13th Street

1. Refer to sheets J.69-J.70 for staging plan. Complete the following construction activities:
- Install traffic control, striping, and signage.
- Saw cut and remove pavement.
- Install new PCC pavement.

PHASE 4 - MAIN STREET FROM 13TH STREET TO 18TH STREET (2024 Construction)

PHASE 4 STAGE 1 - Sanitary sewer from 13th Street to 18th Street

1. Refer to sheets J.71-J.73 for staging plan. Complete the following construction activities:
- Install detour pavement, temporary barrier rail, striping, and signage.
- Saw cut and remove pavement.
- Construct sanitary sewer (center of Main Street). Contractor to limit construction activities to approximately 500' sections to maintain side road access as much as possible. TBR is to be installed on both sides of the trench. Sanitary sewer laterals crossing the outside lanes will require temporary closures of Main Street. This shall be completed as night work between 9:00 pm and 6:00 am.
- Install detour pavement and granular surfacing for future stages.

PHASE 4 STAGE 2 - South and east legs of 18th Street roundabout

1. Refer to sheet J.8. Install detour traffic control and signing in accordance with the Traffic Control Plan prior to closing 18th Street (east of Main Street).

2. Refer to sheets J.74-J.77 for staging plan. Complete the following construction activities:
- Install temporary striping, signage, and traffic signal (Temporary Signal #6 - three trailer mount signals).
- Saw cut and remove pavement.
- Construct storm sewer and water main.
- Install new PCC pavement.

3. Maintain access for emergency vehicles at the Main Street and 18th Street intersection in all directions at all times. A single lane shall be maintained on 18th Street east of Main Street during this stage for emergency vehicles only. The temporary traffic signal shall work with the fire stations preemption system.

PHASE 4 STAGE 3 - East leg of 18th Street roundabout

1. Refer to sheet J.8. Maintain 18th Street detour route installed prior to Phase 4 Stage 2.

2. Refer to sheets J.78-J.81 for staging plan. Complete the following construction activities:
- Install temporary striping and signage. Adjust Temporary Traffic Signal #6 layout as needed.
- Saw cut and remove pavement.
- Construct storm sewer and water main.

STAGING NOTES

- Install new PCC pavement.

3. Maintain access for emergency vehicles at the Main Street and 18th Street intersection in all directions at all times. A single lane shall be maintained on 18th Street east of Main Street during this stage for emergency vehicles only. The temporary traffic signal shall work with the fire stations preemption system.

PHASE 4 STAGE 4 - East third of Main Street from 13th Street to 18th Street

1. Refer to sheet J.8. Maintain 18th Street detour route installed prior to Phase 4 Stage 2. 18th Street remains closed to westbound traffic east of Main Street.

2. Refer to sheets J.82-J.85 for staging plan. Complete the following construction activities:
- Install temporary striping and signage. Adjust Temporary Traffic Signal #6 layout as needed.
- Saw cut and remove pavement.
- Construct storm sewer and water main.
- Install new PCC pavement.

3. Maintain access for emergency vehicles at the Main Street and 18th Street intersection in all directions at all times. A single lane shall be maintained on 18th Street east of Main Street during this stage for emergency vehicles only. The temporary traffic signal shall work with the fire stations preemption system.

PHASE 4 STAGE 5 - Center third of Main Street from 13th Street to 18th Street

1. Refer to sheet J.8. Remove 18th Street detour.

2. Refer to sheets J.86-J.89 for staging plan. Complete the following construction activities:
- Install temporary striping and signage.
- Adjust Temporary Signal #6 configuration to Temporary Signal #7 (four trailer mounted signals).
- Saw cut and remove pavement.
- Construct storm sewer and water main.
- Install new PCC pavement.

3. Maintain access for emergency vehicles at the Main Street and 18th Street intersection in all directions at all times. The temporary traffic signal shall work with the fire stations preemption system.

PHASE 4 STAGE 6 - West half of 18th Street roundabout and west third of Main Street from 13th Street to 18th Street

1. Refer to sheet J.8. Reinstall detour traffic control and signing in accordance with the Traffic Control Plan prior to closing 18th Street (west of Main Street).

2. Refer to sheets J.90-J.93 for staging plan. Complete the following construction activities:
- Install temporary striping and signage.
- Adjust Temporary Signal #7 configuration to Temporary Signal #8 (three trailer mounted signals).
- Saw cut and remove pavement.
- Construct storm sewer and water main.
- Install new PCC pavement.

3. Maintain access for emergency vehicles at the Main Street and 18th Street intersection in all directions at all times. A single lane shall be maintained on 18th Street west of Main Street during this stage for emergency vehicles only. The temporary traffic signal shall work with the fire stations preemption system.

PHASE 4 STAGE 7 - West half of 18th Street roundabout

1. Refer to sheet J.8. Maintain 18th Street detour route installed prior to Phase 4 Stage 2.

2. Refer to sheets J.94-J.96 for staging plan. Complete the following construction activities:
- Install temporary striping and signage. Adjust Temporary Traffic Signal #8 layout as needed.
- Saw cut and remove pavement.
- Construct storm sewer and water main.
- Install new PCC pavement.

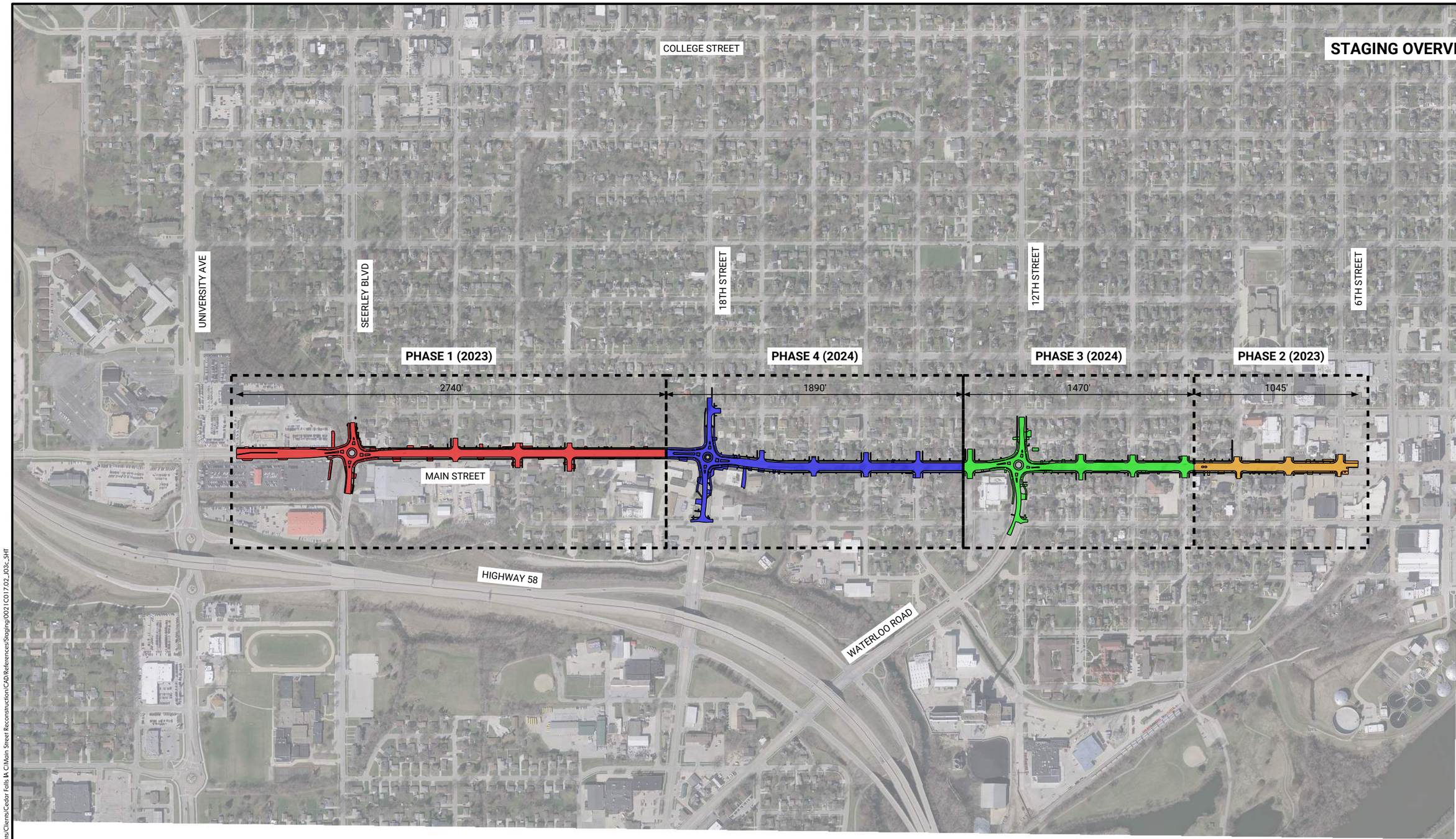
3. Maintain access for emergency vehicles at the Main Street and 18th Street intersection in all directions at all times. A single lane shall be maintained on 18th Street west of Main Street during this stage for emergency vehicles only. The temporary traffic signal shall work with the fire stations preemption system.

PHASE 4 STAGE 8 - 18th Street roundabout center circle and splitter islands

1. Refer to sheets J.97-J.98 for staging plan. Complete the following construction activities:
- Install temporary striping and signage.
- Remove Temporary Signal #8.
- Saw cut and remove pavement.
- Install new PCC pavement.

2. Maintain access for emergency vehicles at the Main Street and 18th Street intersection in all directions at all times.

STAGING OVERVIEW



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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY:	CHECKED BY:	DRAWN BY:	
LETTING DATE: 11/15/2022	CAD DATE: 8/31/2022	9:33:48 AM	
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

STAGING OVERVIEW MAP

SHEET NO.
J.4
STBG-SWAP-1185(657

CROSS SECTION VIEW COLOR LEGEND OF TRAFFIC CONTROL AND STAGING SHEETS

SHADING	Design Color No.	
Green, Light	(225)	Existing Pavement Shading
Gray, Light	(48)	Previously Constructed Pavement Shading
Gray, Med	(80)	Previously Constructed Granular Surface Shading
Blue, Light	(230)	Proposed Pavement Shading
Lavender	(9)	Temporary Pavement Shading
Brown, Med	(237)	Future Proposed Pavement Shading

CROSS SECTION VIEW PATTERN AND SYMBOL LEGEND OF TRAFFIC CONTROL AND STAGING SHEETS

Pavement Removal	Proposed Granular Shoulder
Proposed Granular Subbase	Temporary Shoulder
Proposed Special Backfill	Existing Shoulder Strengthening
Temporary Barrier Rail	Permanent Barrier Rail
	Channelizing Device

PLAN VIEW COLOR LEGEND OF TRAFFIC CONTROL AND STAGING SHEETS

LINEWORK	Design Color No.	
Green	(2)	Existing Topographic Features and Labels
Magenta	(5)	Pavement Marking Call Outs
Blue	(1)	Proposed Alignment, Stationing, Tic Marks, and Alignment Annotation
Yellow	(4)	Pavement Markings, Yellow
Off White	(254)	Pavement Markings, White
Gray, Med	(64)	Temporary barrier rail

SHADING	Design Color No.	
Green, Light	(225)	Existing Pavement Shading
Gray, Light	(48)	Previously Constructed Pavement Shading
Gray, Med	(80)	Proposed Granular Surface Shading
Gray, Med	(80)	Previously Constructed Granular Surface Shading
Blue, Light	(230)	Proposed Pavement Shading
Lavender	(9)	Proposed Temporary Pavement Shading
Violet	(15)	Previously Constructed Temporary Pavement Shading
Brown, Light	(236)	Proposed Grading Limits Shading
Pink, Dark	(13)	Proposed MSE or CIP Wall Shading
Red	(3)	Proposed Bridge Shading and Sign Trusses
Black w/Gray, Light Fill	(0,48)	Previously Constructed Structure

PLAN VIEW PATTERN AND SYMBOL LEGEND OF TRAFFIC CONTROL AND STAGING SHEETS

Channelizing Device	Crash Cushion (Temp or Perm)
Drum	Traffic Signal
Temporary Lane Separator	Flagger
Tubular Marker	Temporary Floodlighting
Channelizer Marker	Arrow Board
Concrete Barrier Marker	Traffic Sign
Delineator	Type III Barricade
Temporary Barrier Rail	Type A Warning Light
Pavement Removal	Direction of Traffic
Sand Barrel Layout	Safety Closure
Temporary Lane Separator System	

NOTE: Device spacing according to Standard Road Plans unless specifically dimensioned.

TRAFFIC CONTROL AND STAGING

(COVERS SHEET SERIES J)

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: C. CARPER CHECKED BY: A. MONIZA DRAWN BY: C. CARPER
LETTING DATE: 11/15/2022 CAD DATE: 8/31/2022 10:46:03 AM
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

TRAFFIC CONTROL LEGEND AND SYMBOLS

SHEET NO.
J.5

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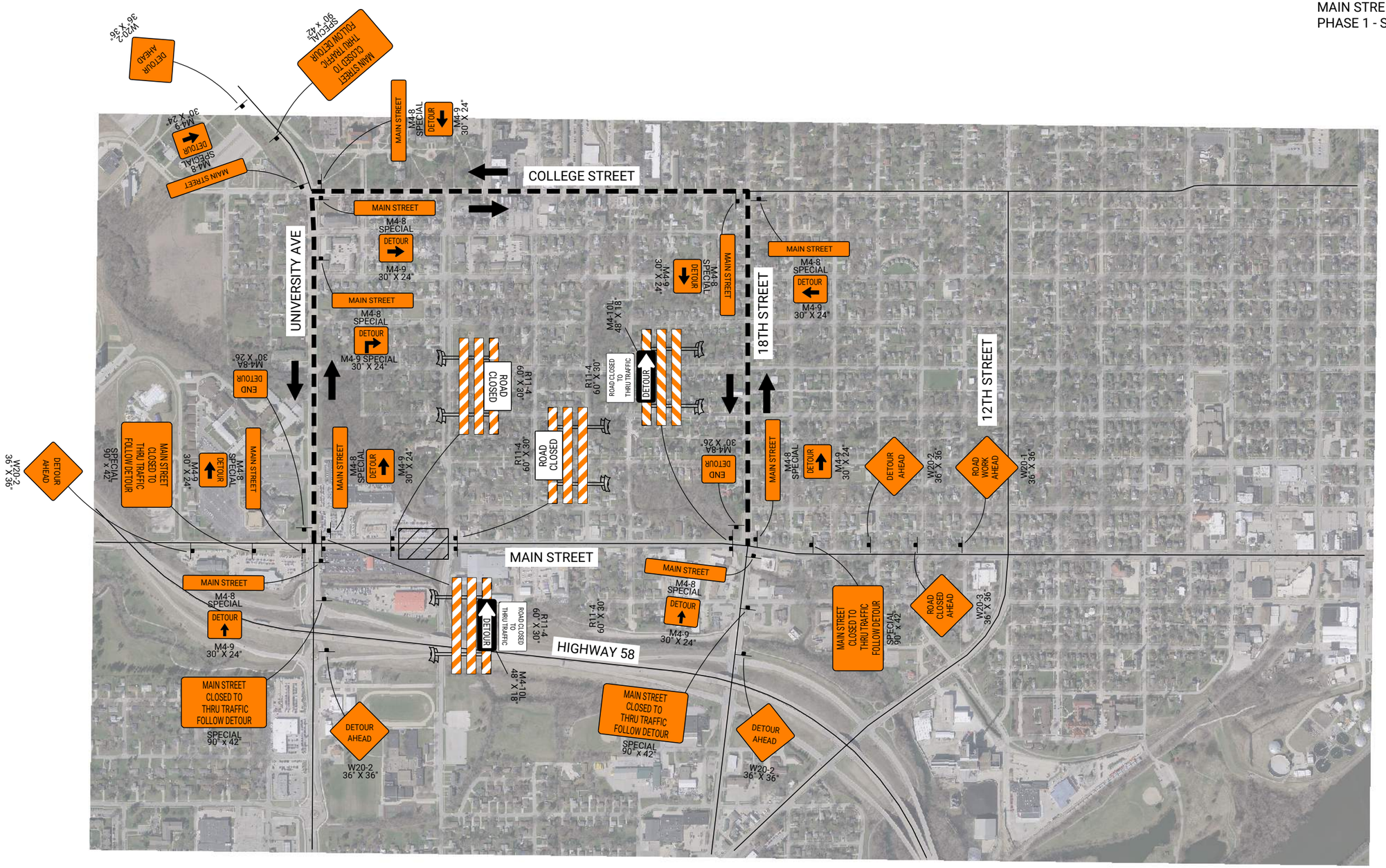
MAIN STREET DETOUR
PHASE 1 - STAGES 1 AND 2



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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

DETOURS
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.6

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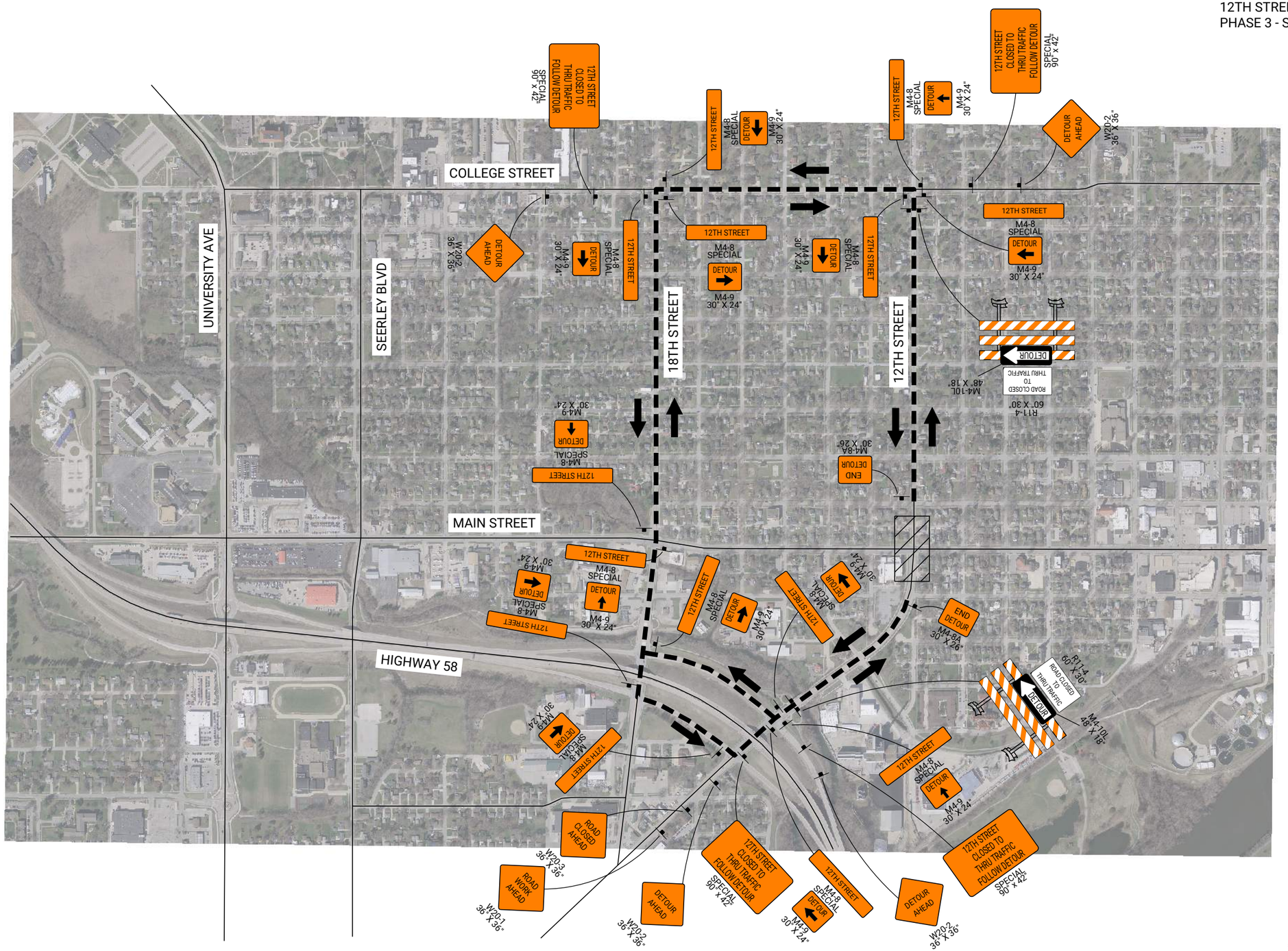
12TH STREET DETOUR
PHASE 3 - STAGES 1, 2, 3, AND 4



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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

DETOURS
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.7

STBG-SWAP-1185(657)

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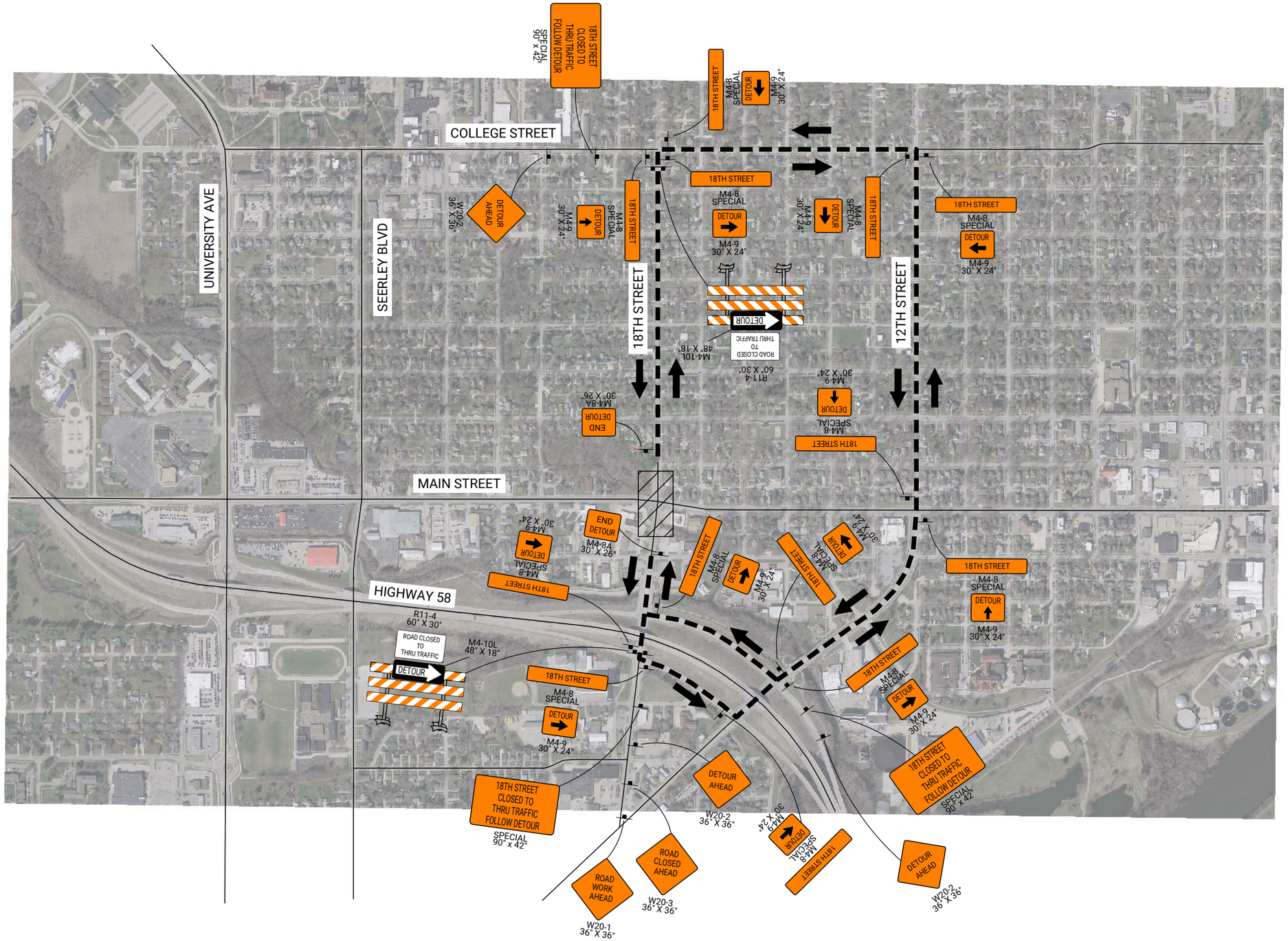
18TH STREET DETOUR
PHASE 4 - STAGES 2, 3, 6, AND 7



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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

DETOURS
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.8

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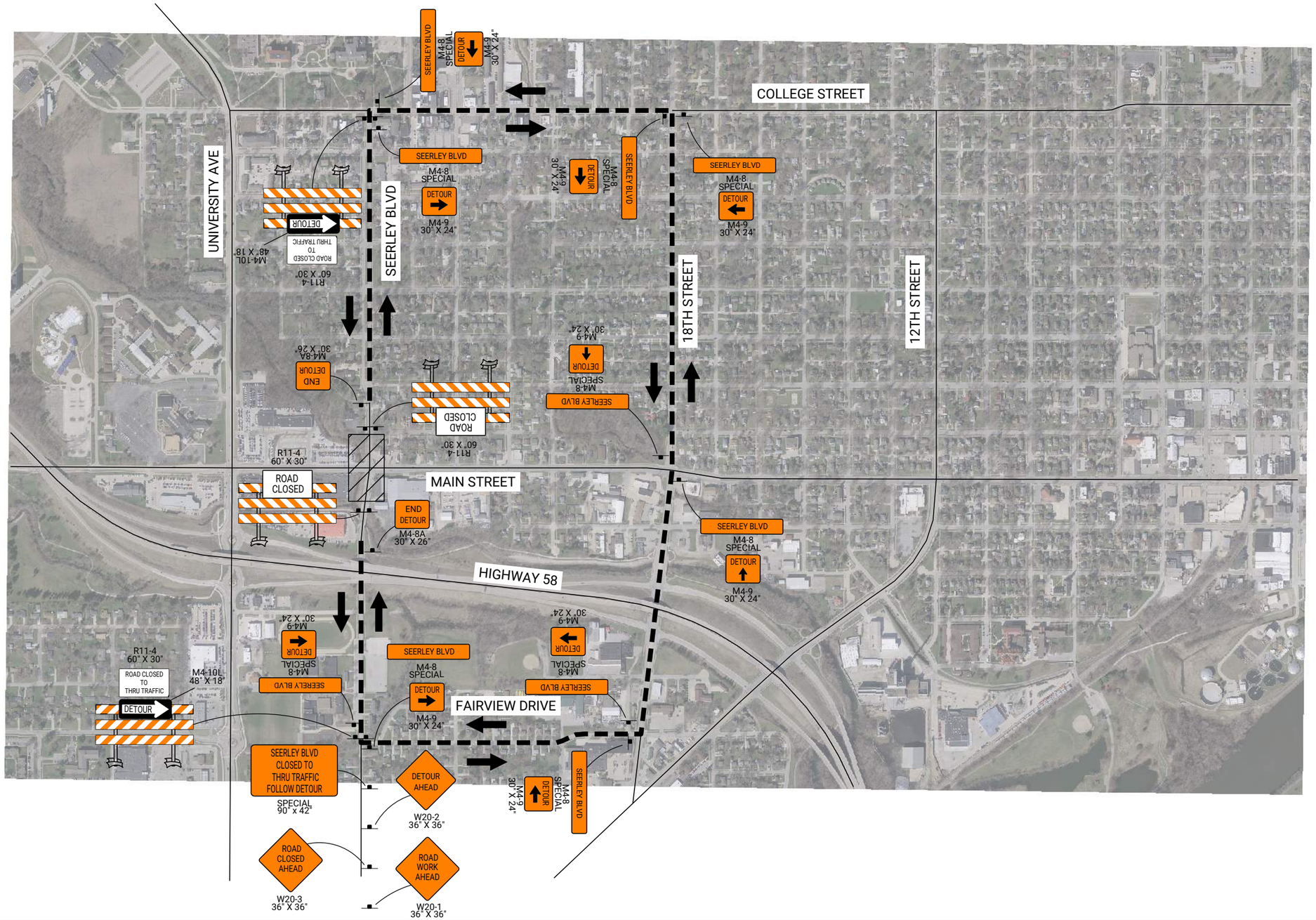
SEERLEY BLVD DETOUR
PHASE 1 - STAGES 3 AND 6



CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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LETTING DATE: 11/15/2022	CAD DATE: 8/31/2022	11:33:38 AM	
CAD FILE: c:\pw_workdir\pw_ie\cjc\d0551427\0021C017.02_J03_SHT.dgn			

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

DETOURS
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.9

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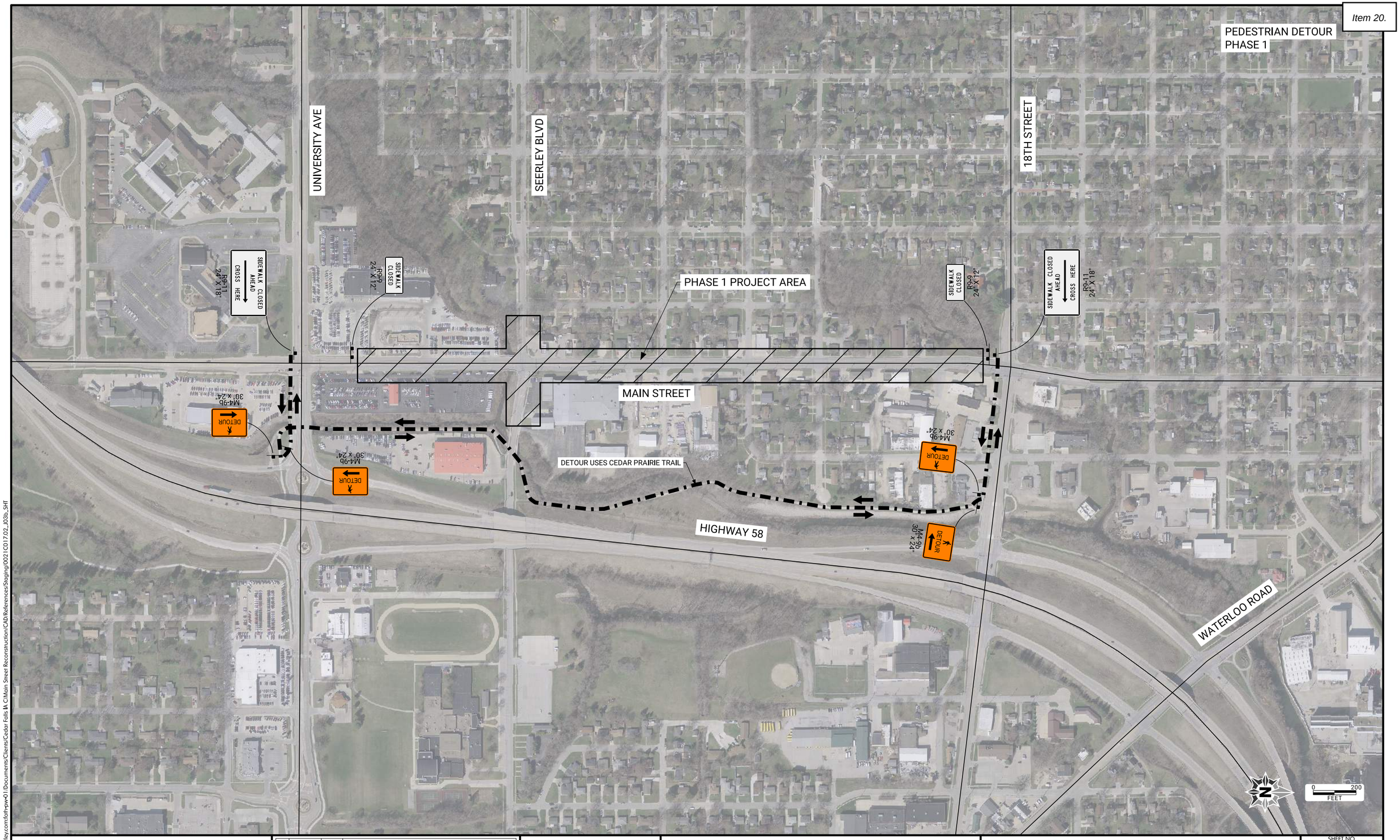

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PEDESTRIAN DETOURS
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.10
STBG-SWAP-1185(657

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Falls IA C\Main Street Reconstruction\CAD\References\Staging\0021C017.02_J03b_SHT

PEDESTRIAN DETOUR
PHASE 2

0 200
FEET

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02
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NO	DATE	BY	REVISION DESCRIPTION

Foth

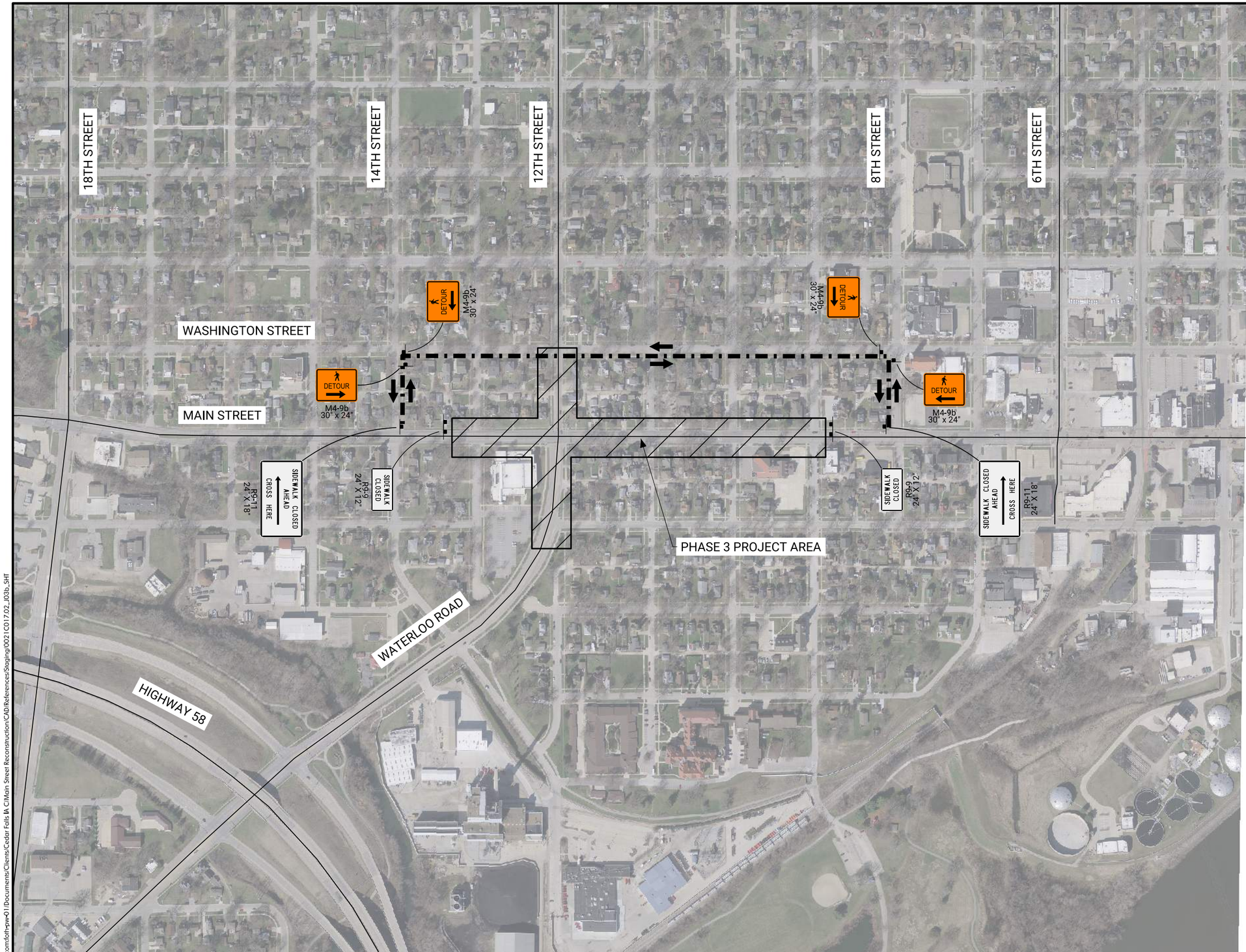
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PEDESTRIAN DETOURS
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.11

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Falls IA C\Main Street Reconstruction\CAD\References\Staging\0021C017.02_J03b_SHT

PEDESTRIAN DETOUR
PHASE 3



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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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LETTING DATE: 11/15/2022	CAD DATE: 8/31/2022	11:44:28 AM	
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PEDESTRIAN DETOURS
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.12

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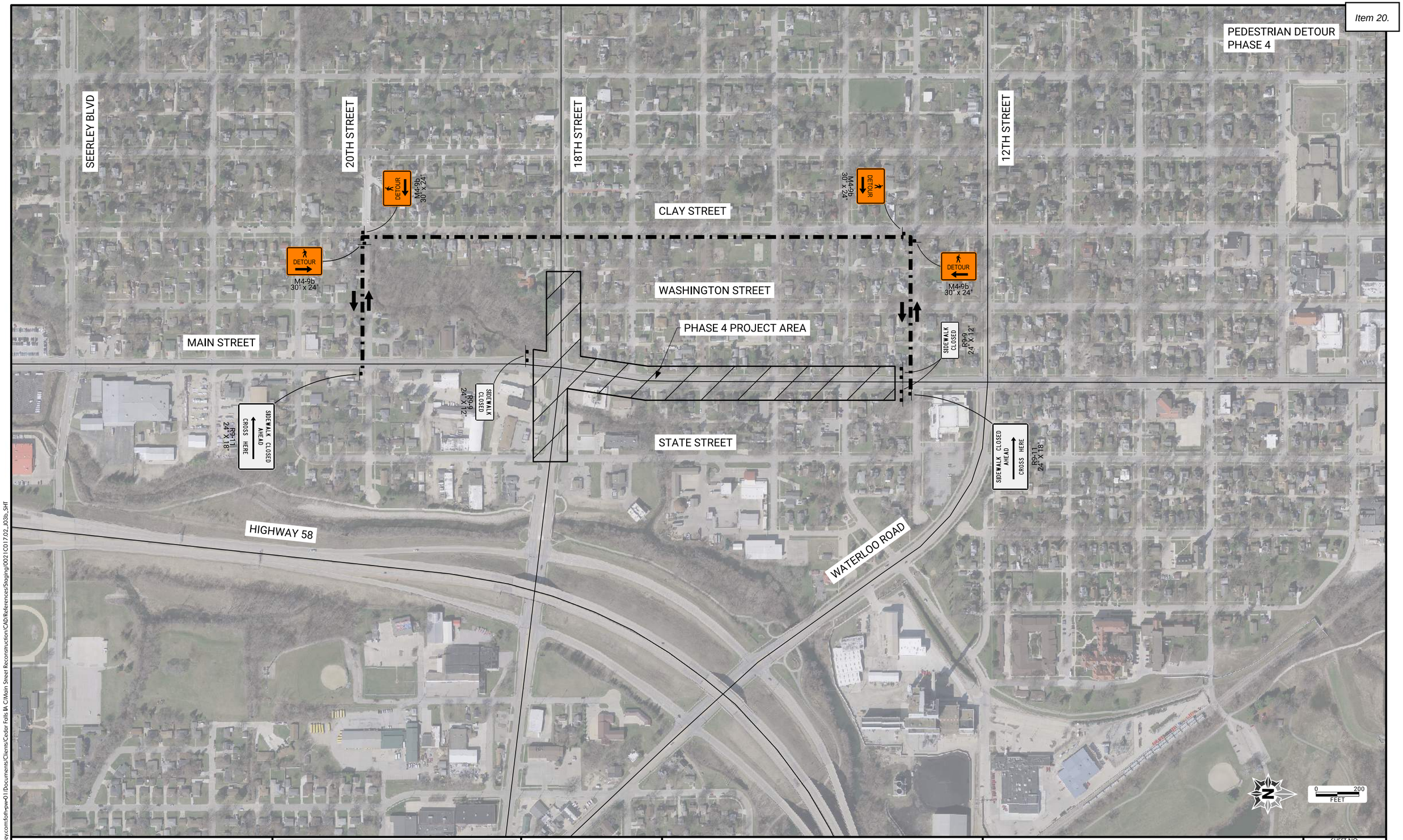

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PEDESTRIAN DETOURS
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.13

STBG-SWAP-1185(657)

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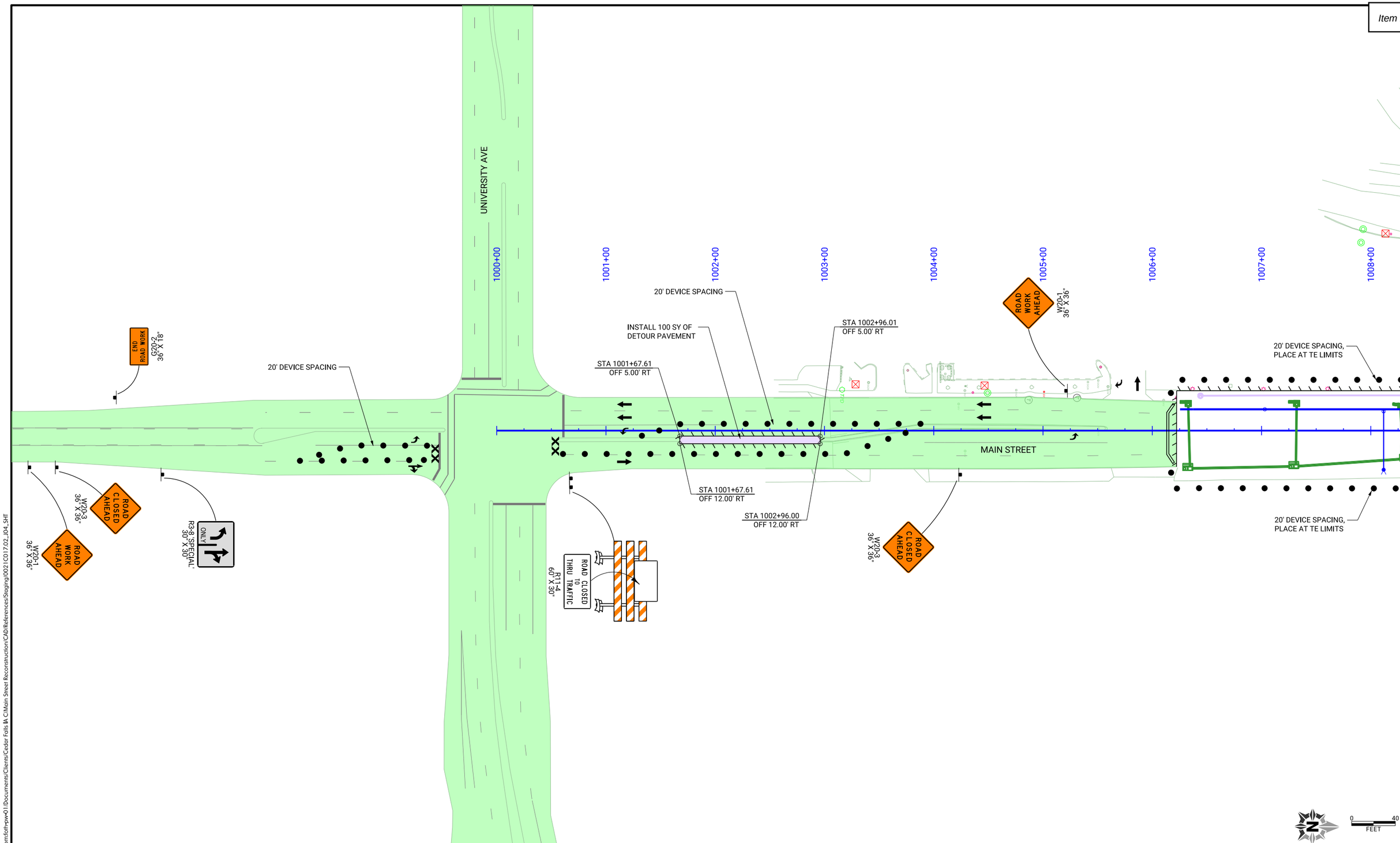

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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LETTING DATE: 11/15/2022	CAD DATE: 8/31/2022	12:00:11 PM	
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 1STAGE 1
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.14

STBG-SWAP-1185(657

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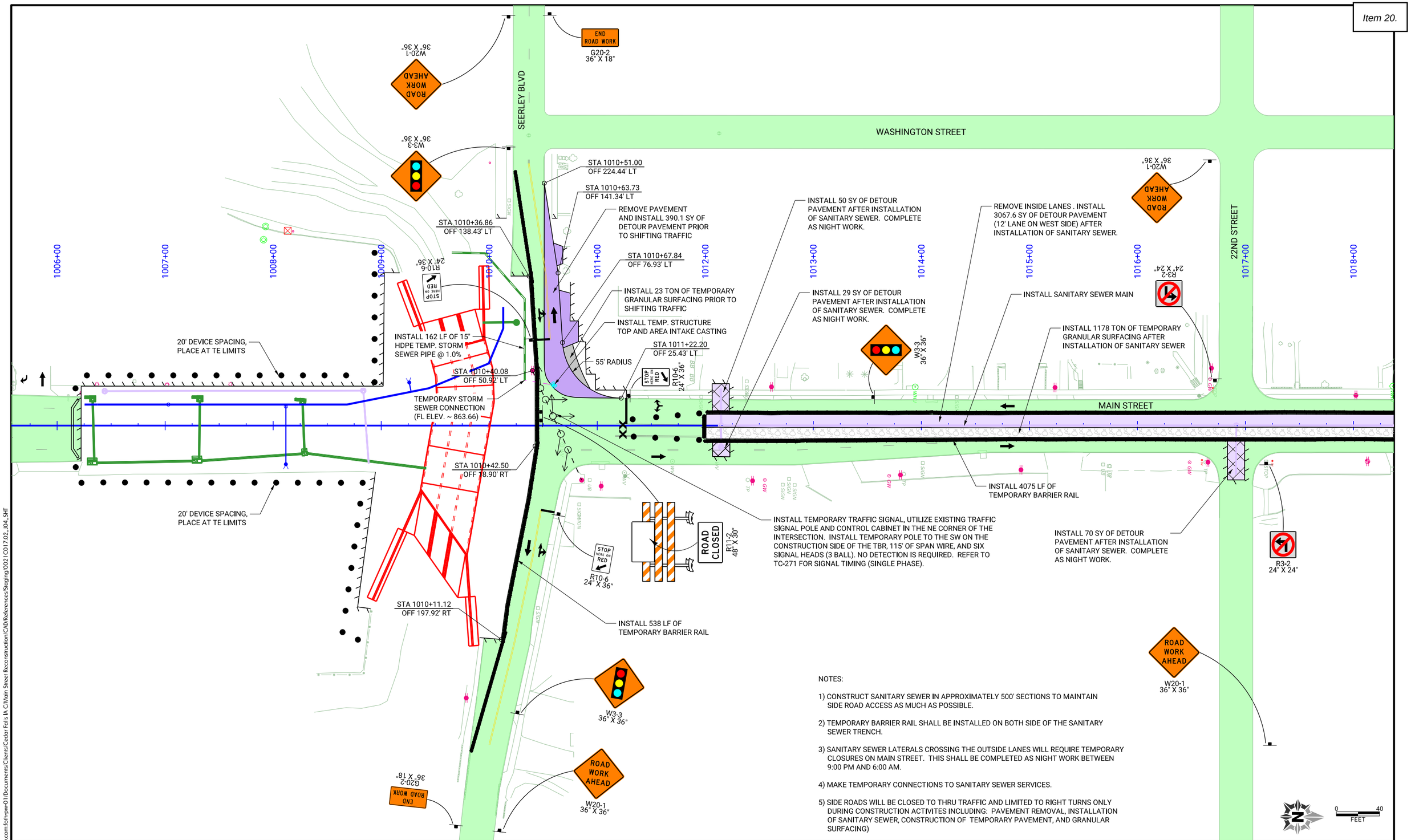

NOTES:

1) CONSTRUCT SANITARY SEWER IN APPROXIMATELY 500' SECTIONS TO MAINTAIN SIDE ROAD ACCESS AS MUCH AS POSSIBLE.

2) TEMPORARY BARRIER RAIL SHALL BE INSTALLED ON BOTH SIDE OF THE SANITARY SEWER TRENCH.

3) SANITARY SEWER LATERALS CROSSING THE OUTSIDE LANES WILL REQUIRE TEMPORARY CLOSURES ON MAIN STREET. THIS SHALL BE COMPLETED AS NIGHT WORK BETWEEN 9:00 PM AND 6:00 AM.

4) MAKE TEMPORARY CONNECTIONS TO SANITARY SEWER SERVICES.

5) SIDE ROADS WILL BE CLOSED TO THRU TRAFFIC AND LIMITED TO RIGHT TURNS ONLY DURING CONSTRUCTION ACTIVITES INCLUDING: PAVEMENT REMOVAL, INSTALLATION OF SANITARY SEWER, CONSTRUCTION OF TEMPORARY PAVEMENT, AND GRANULAR SURFACING)

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: C. CARPER CHECKED BY: A. MONIZA DRAWN BY: C. CARPER
LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 1:33:39 AM
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 1 STAGE 1
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.15

STBG-SWAP-1185(657)

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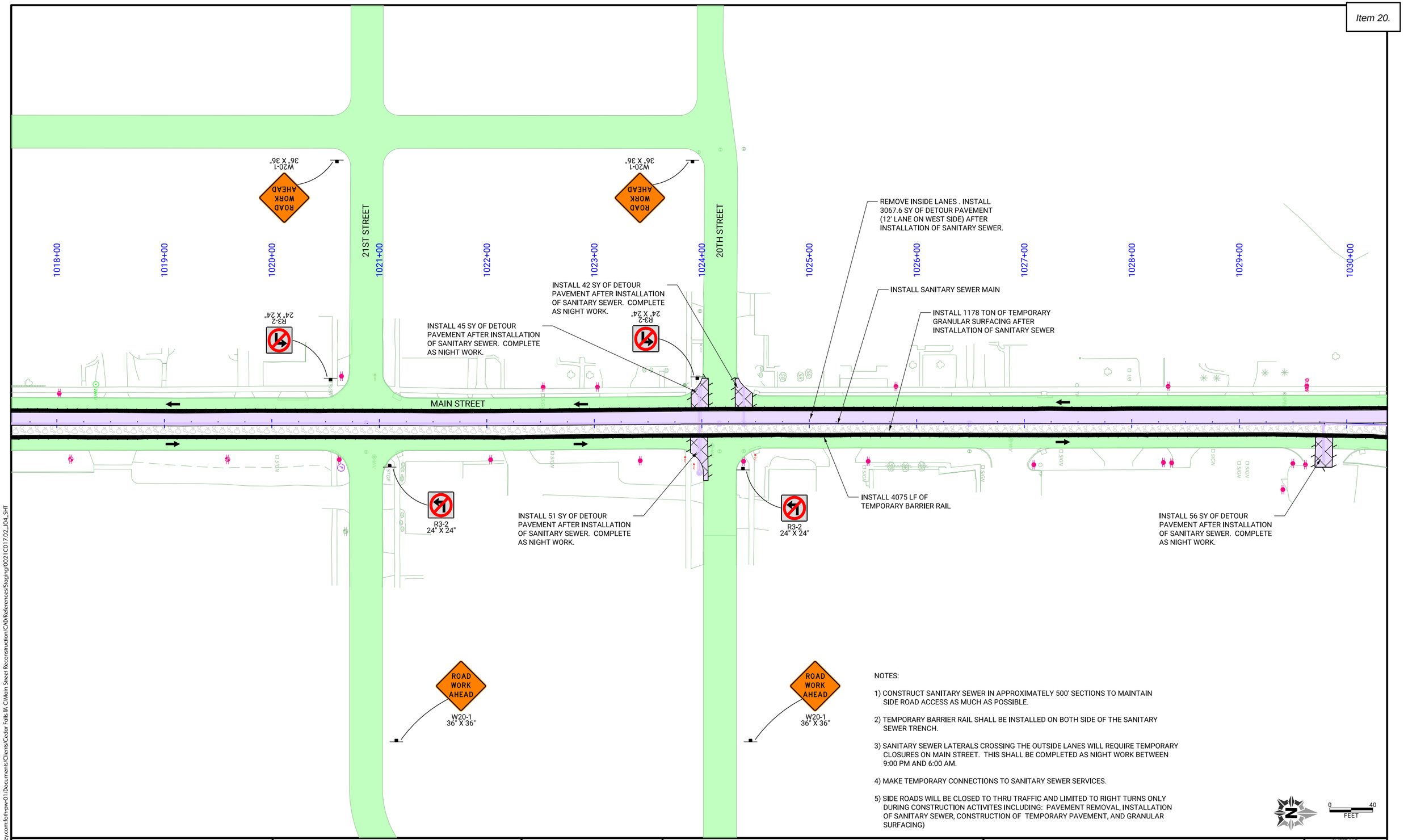

NOTES:

1) CONSTRUCT SANITARY SEWER IN APPROXIMATELY 500' SECTIONS TO MAINTAIN SIDE ROAD ACCESS AS MUCH AS POSSIBLE.

2) TEMPORARY BARRIER RAIL SHALL BE INSTALLED ON BOTH SIDE OF THE SANITARY SEWER TRENCH.

3) SANITARY SEWER LATERALS CROSSING THE OUTSIDE LANES WILL REQUIRE TEMPORARY CLOSURES ON MAIN STREET. THIS SHALL BE COMPLETED AS NIGHT WORK BETWEEN 9:00 PM AND 6:00 AM.

4) MAKE TEMPORARY CONNECTIONS TO SANITARY SEWER SERVICES.

5) SIDE ROADS WILL BE CLOSED TO THRU TRAFFIC AND LIMITED TO RIGHT TURNS ONLY DURING CONSTRUCTION ACTIVITES INCLUDING: PAVEMENT REMOVAL, INSTALLATION OF SANITARY SEWER, CONSTRUCTION OF TEMPORARY PAVEMENT, AND GRANULAR SURFACING)

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DESIGNED BY: C. CARPER	CHECKED BY: A. MONIZA	DRAWN BY: C. CARPER	
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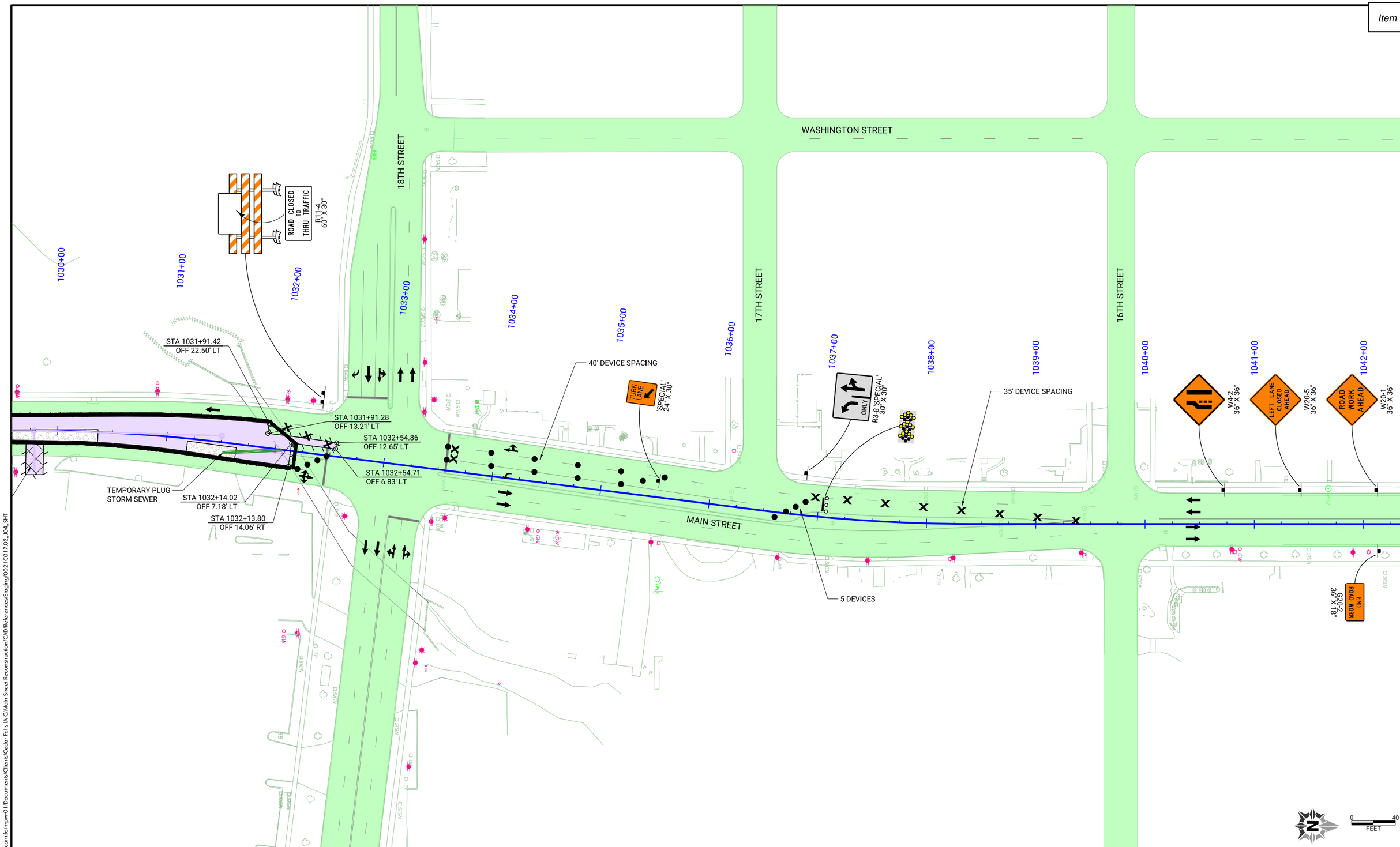
NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 1 STAGE 1
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.16
STBG-SWAP-1185(657



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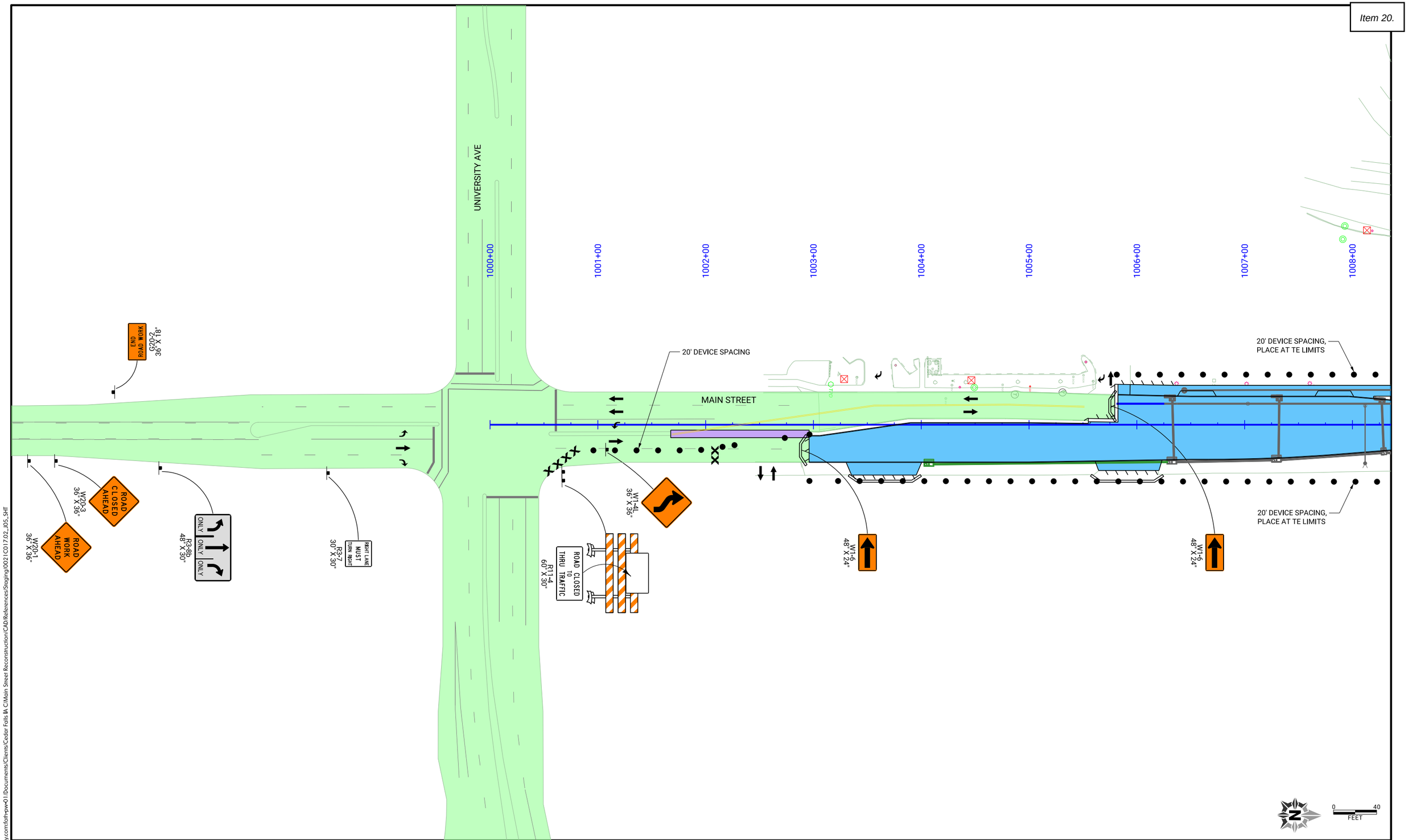
NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 1 STAGE 1
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.17
STBG-SWAP-1185(657



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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 1 STAGE 2
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.18
STBG-SWAP-1185(657

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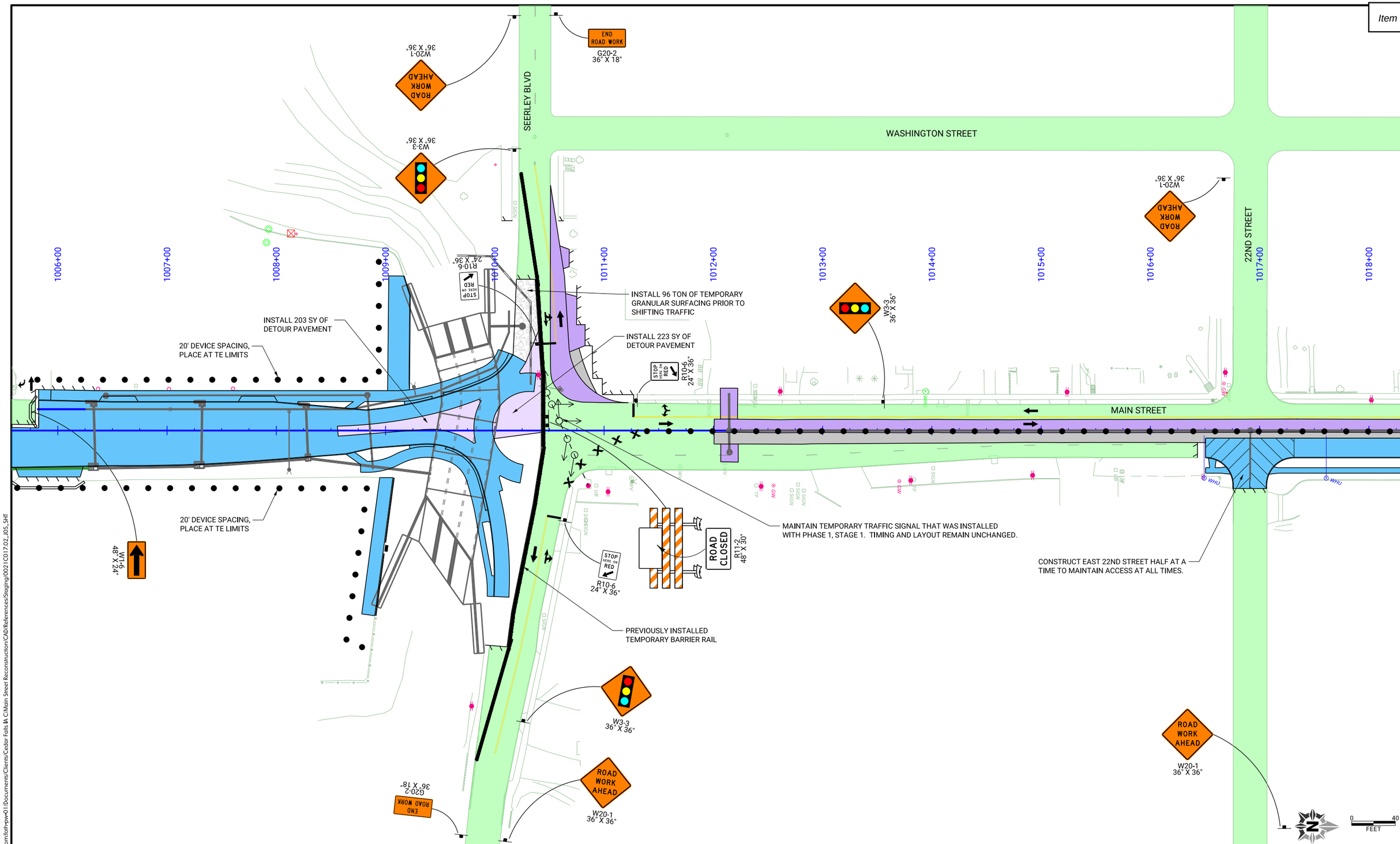

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NO	DATE	BY	REVISION DESCRIPTION

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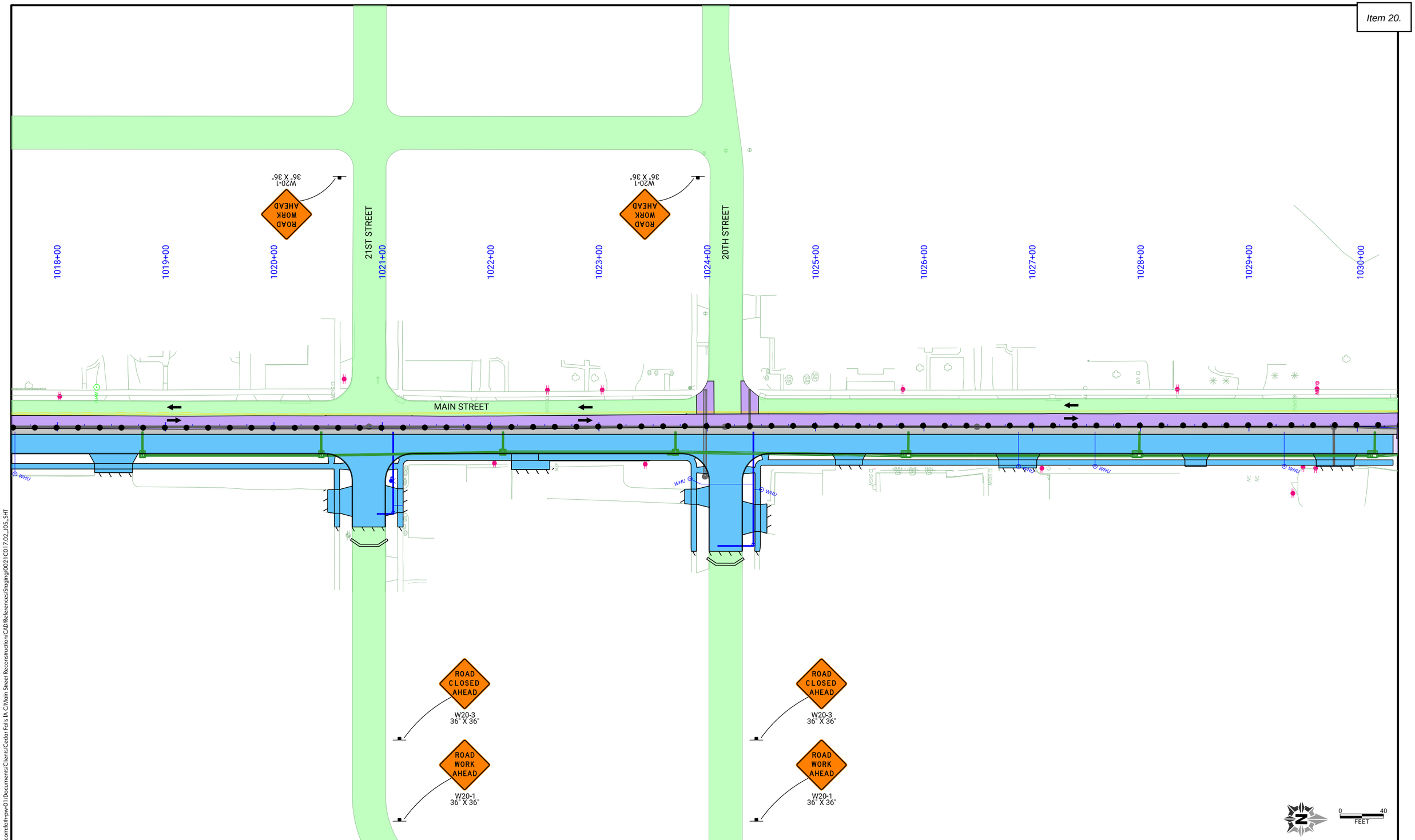
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 1 STAGE 2
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.19
STBG-SWAP-1185(657



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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
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NO	DATE	BY	REVISION DESCRIPTION

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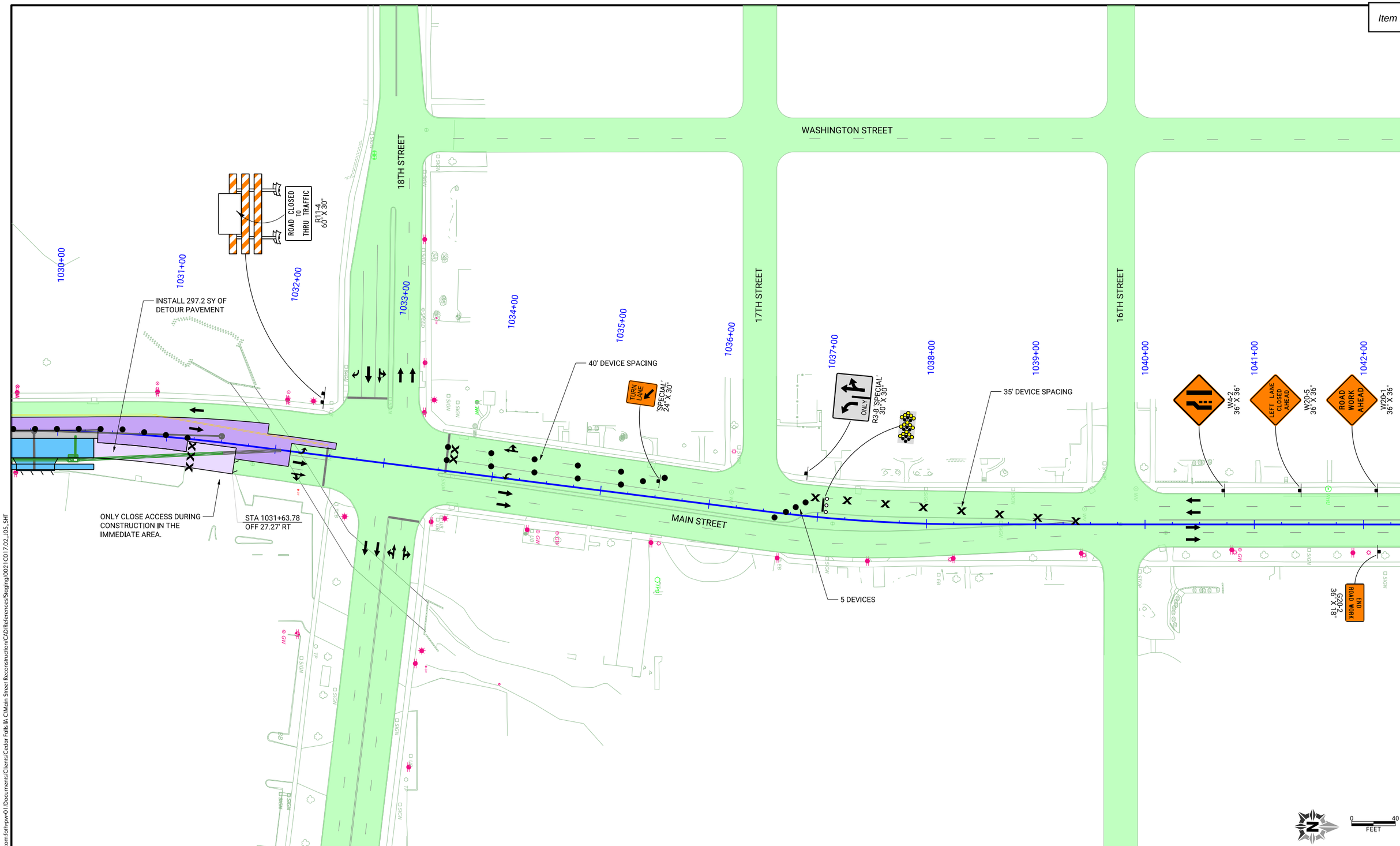
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 1 STAGE 2
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.20
STBG-SWAP-1185(657)



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NO	DATE	BY	REVISION DESCRIPTION

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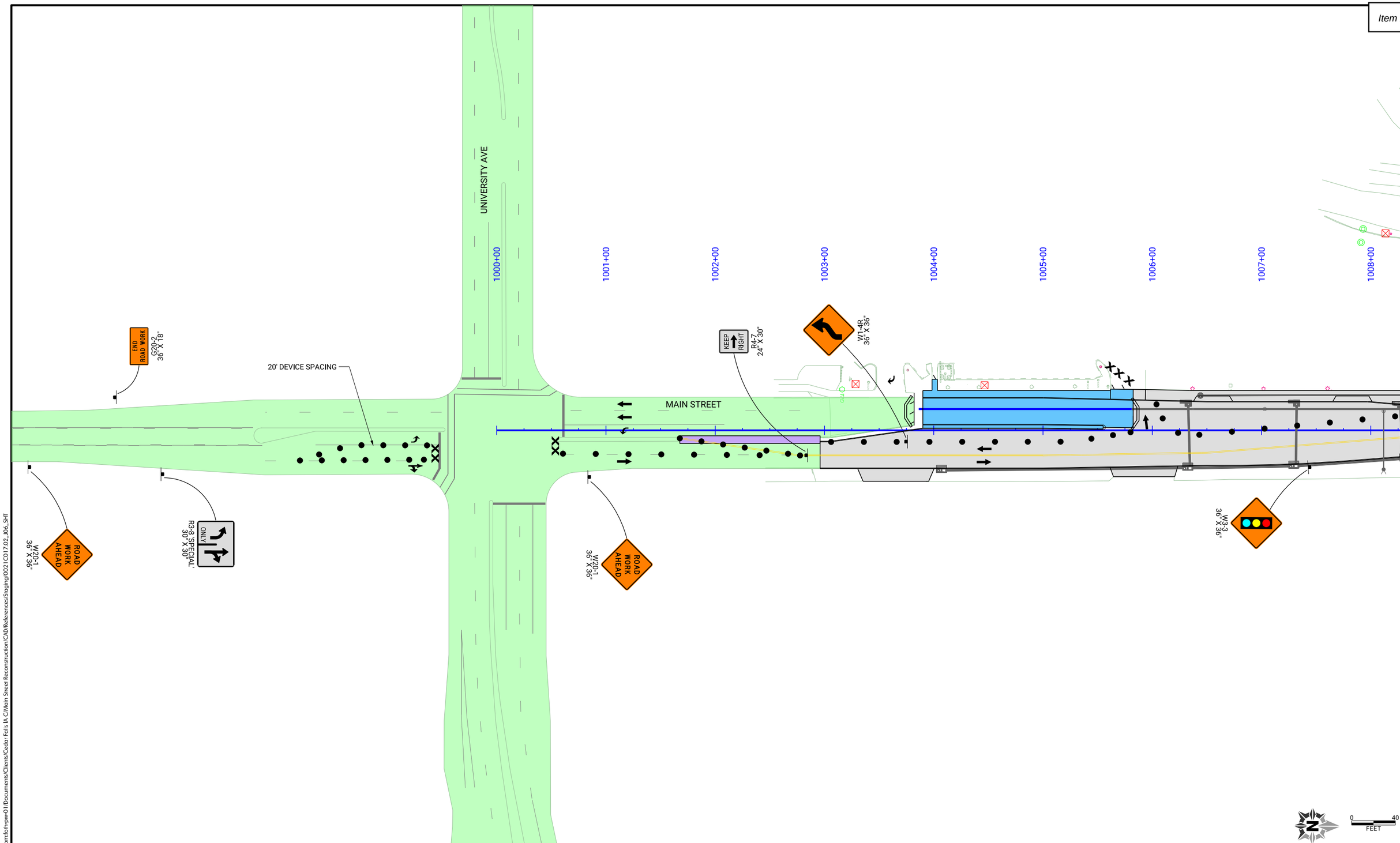
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 1 STAGE 2
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.21
STBG-SWAP-1185(657



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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 1 STAGE 3
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.22

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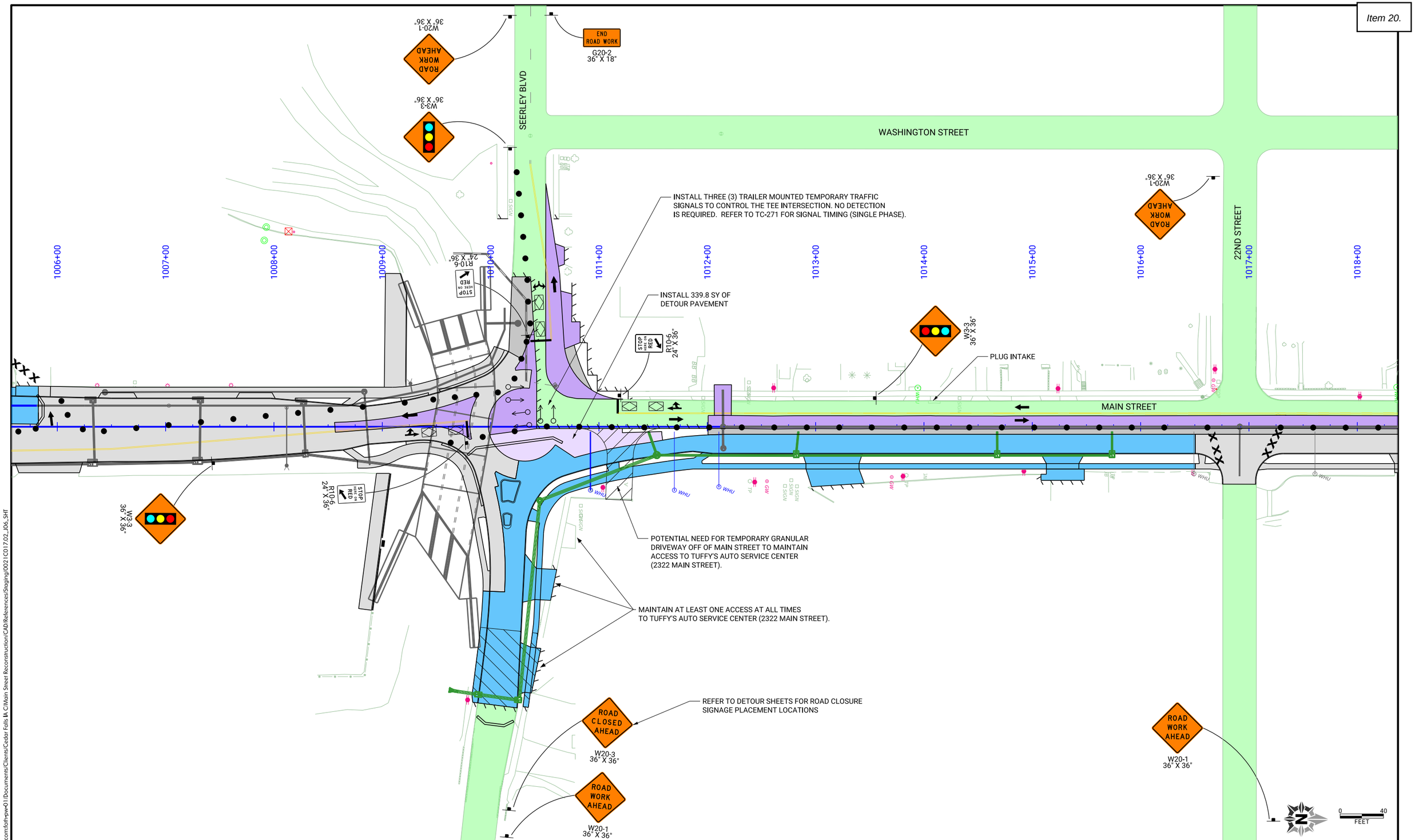

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 1 STAGE 3
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.23
STBG-SWAP-1185(657)

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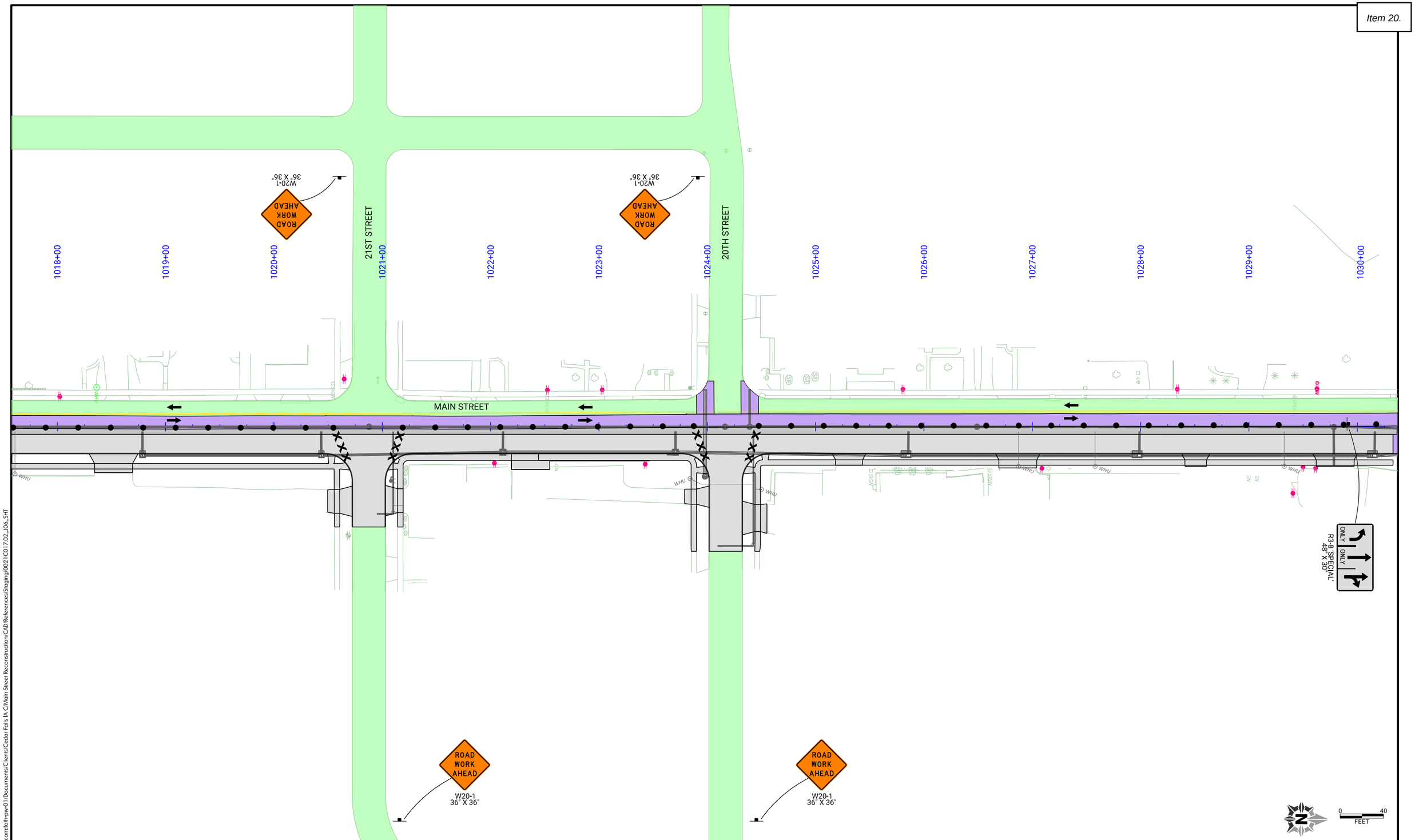

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 1 STAGE 3
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.24
STBG-SWAP-1185(657

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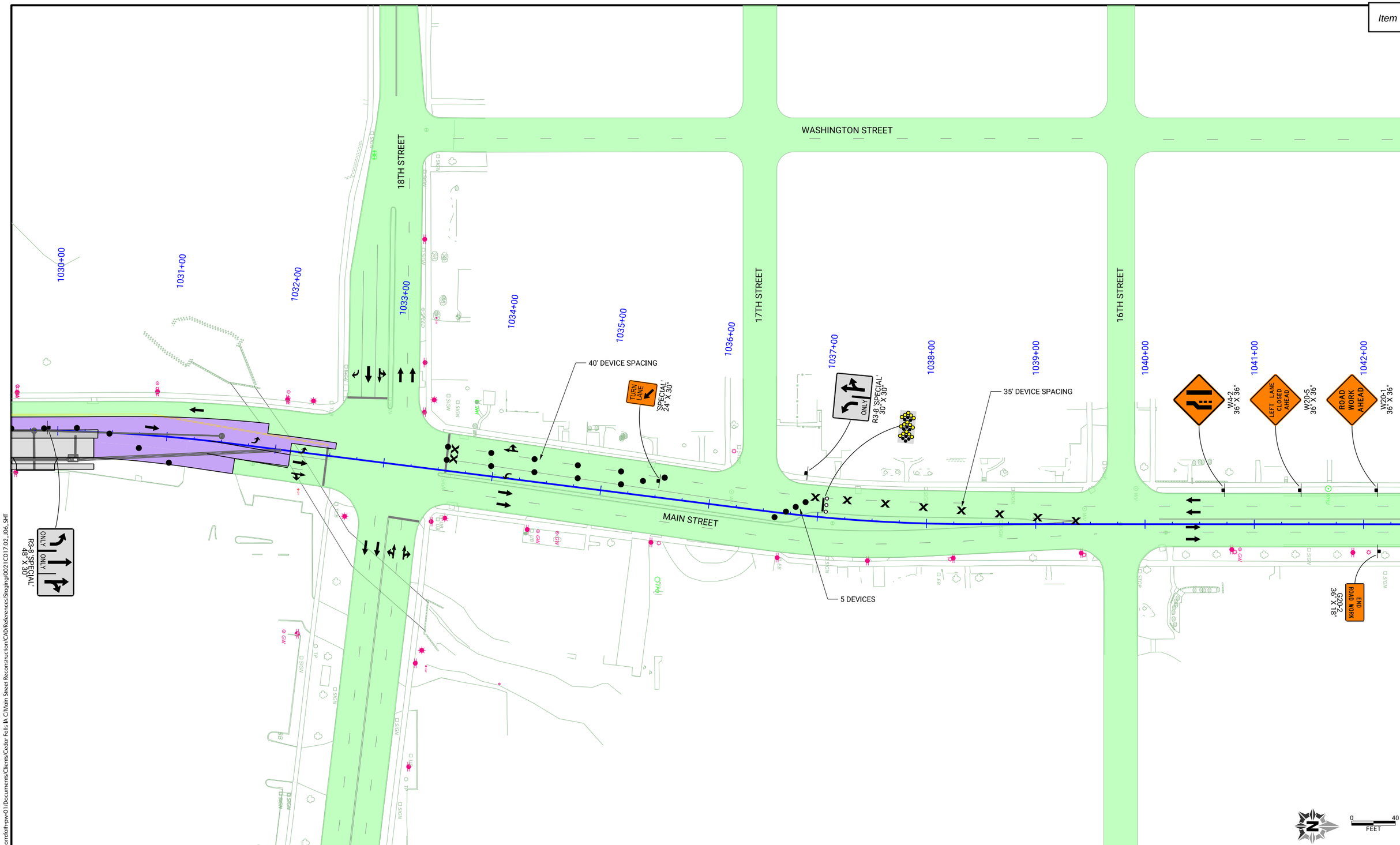

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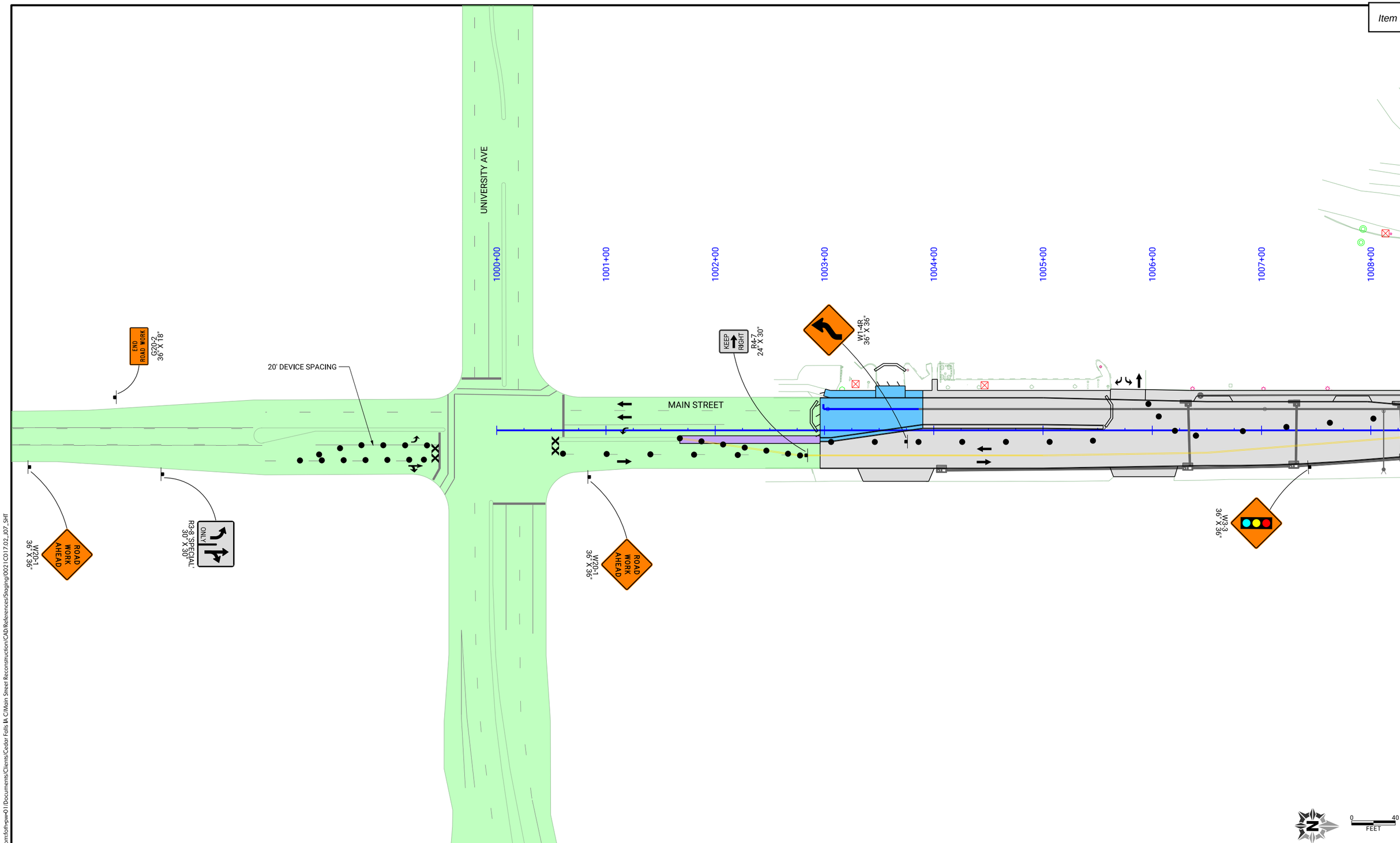
NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 1 STAGE 3
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.25
STBG-SWAP-1185(657)



CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: C. CARPER CHECKED BY: A. MONIZA DRAWN BY: C. CARPER
LETTING DATE: 11/15/2022 CAD DATE: 8/31/2022 12:44:36 PM
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 1 STAGE 4
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.26

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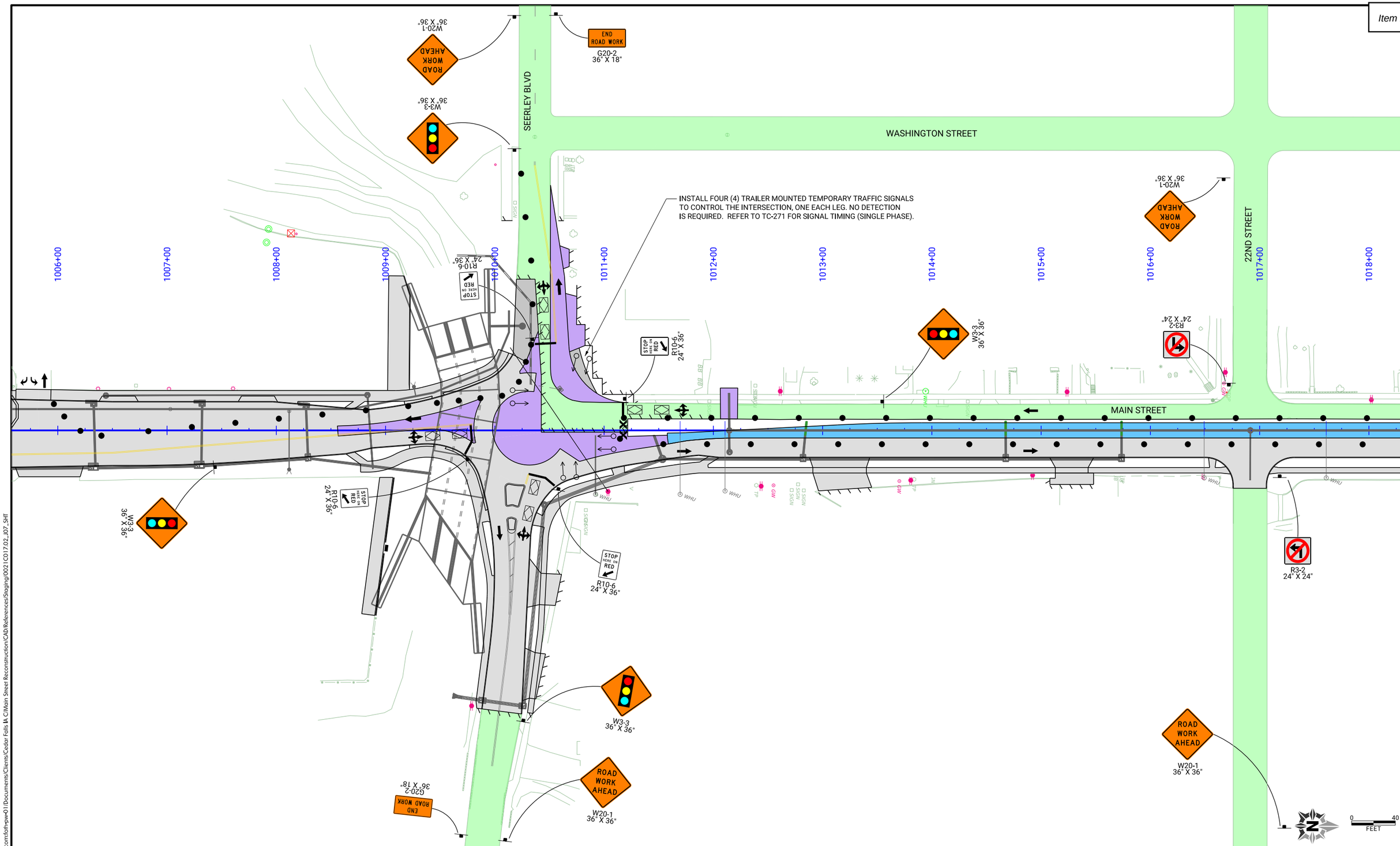

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: C. CARPER	CHECKED BY: A. MONIZA	DRAWN BY: C. CARPER	
LETTING DATE: 11/15/2022	CAD DATE: 8/31/2022	12:45:28 PM	
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 1 STAGE 4
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.27

STBG-SWAP-1185(657

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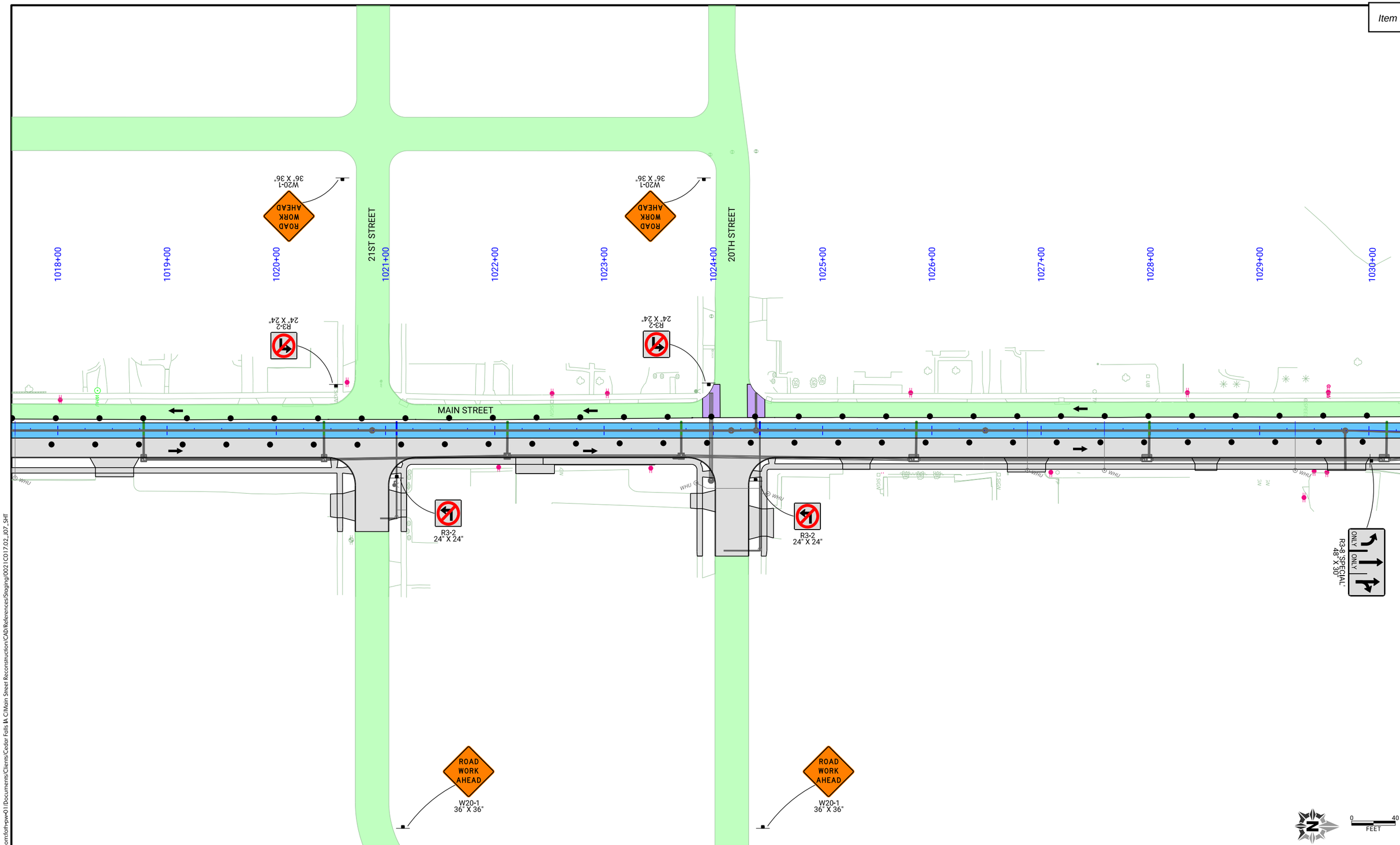

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 1 STAGE 4
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.28
STBG-SWAP-1185(657

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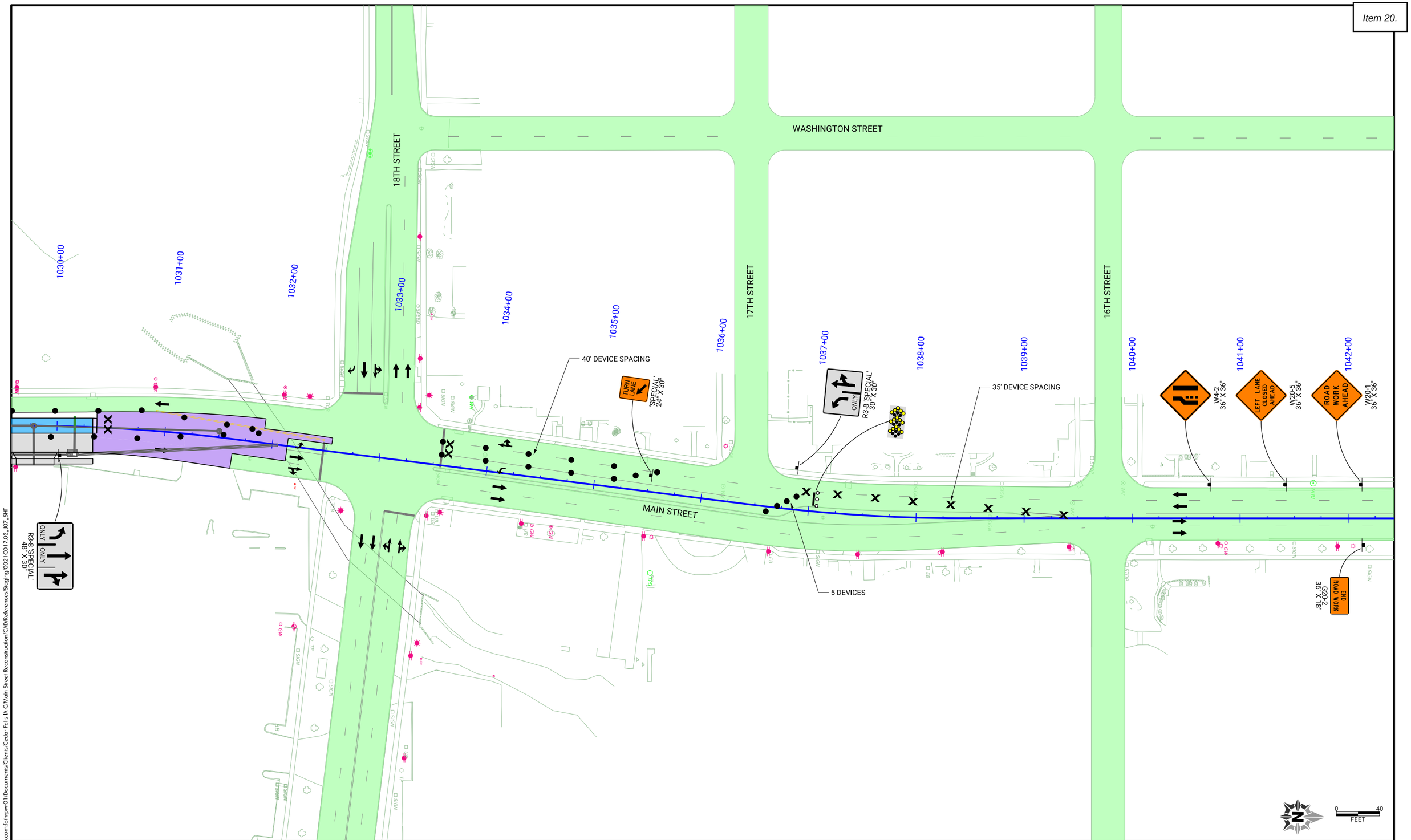

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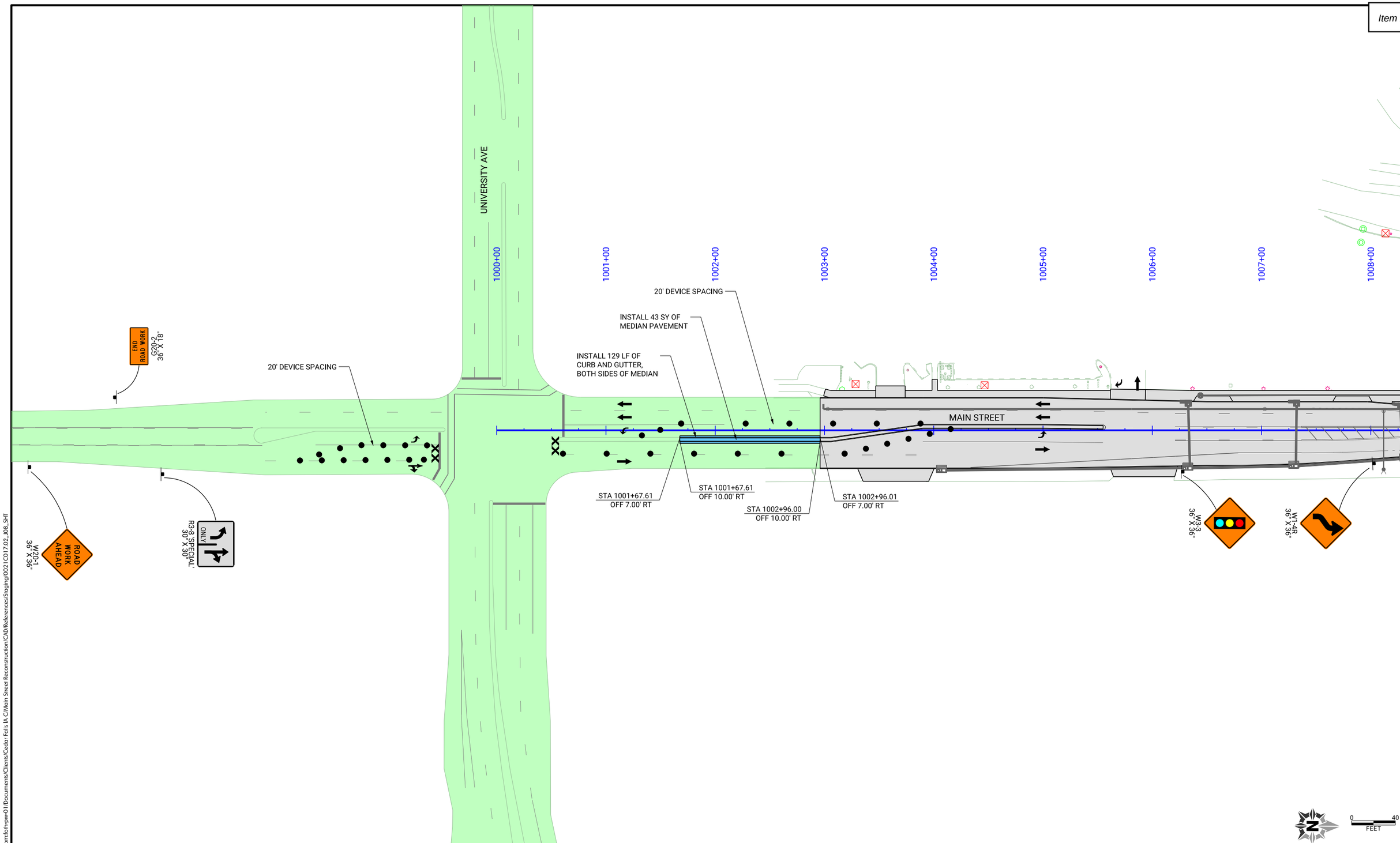
NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 1 STAGE 4
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.29
STBG-SWAP-1185(657)



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DRAWN BY:	C. CARPER
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 1 STAGE 5
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.30

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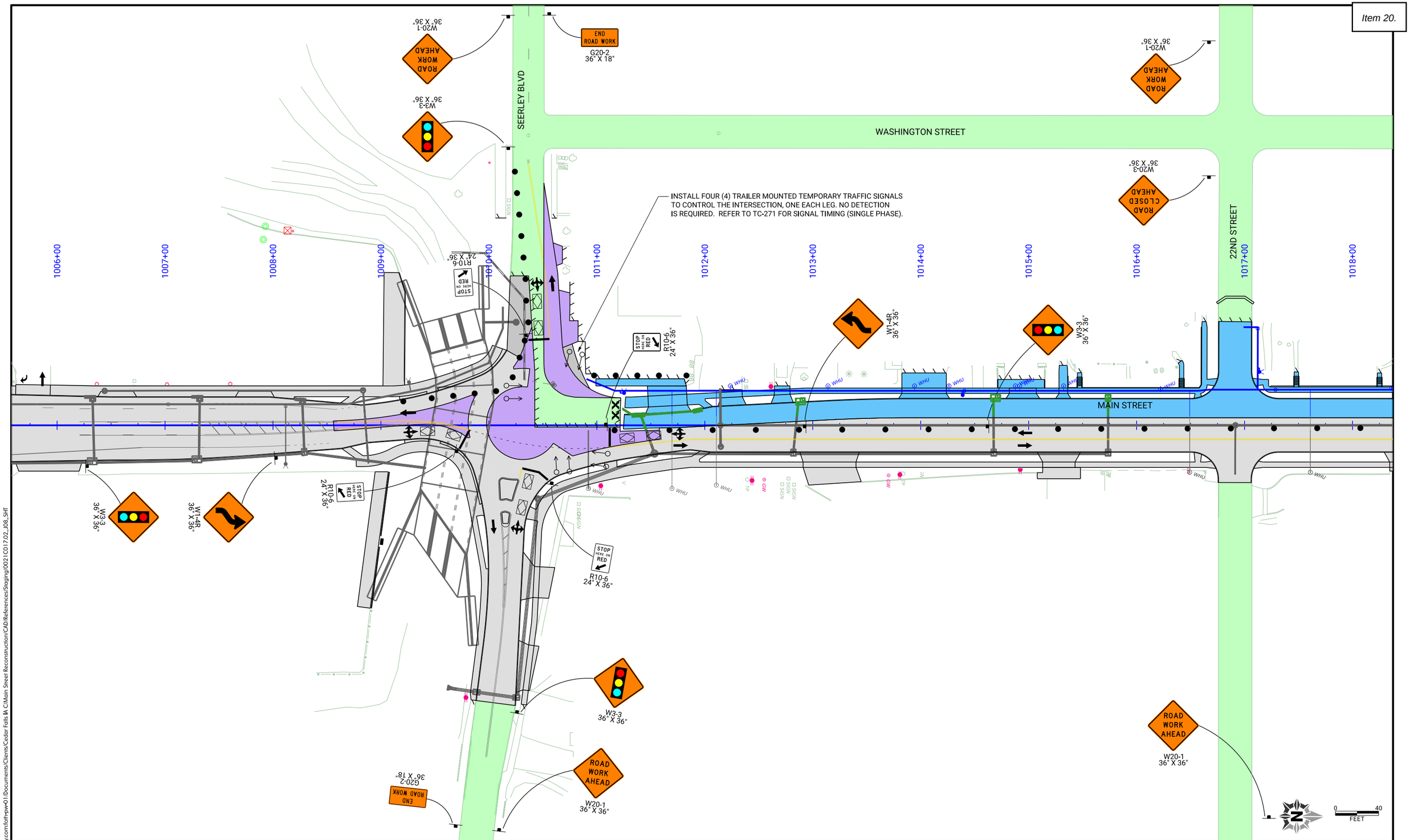

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 1 STAGE 5
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.31

STBG-SWAP-1185(657

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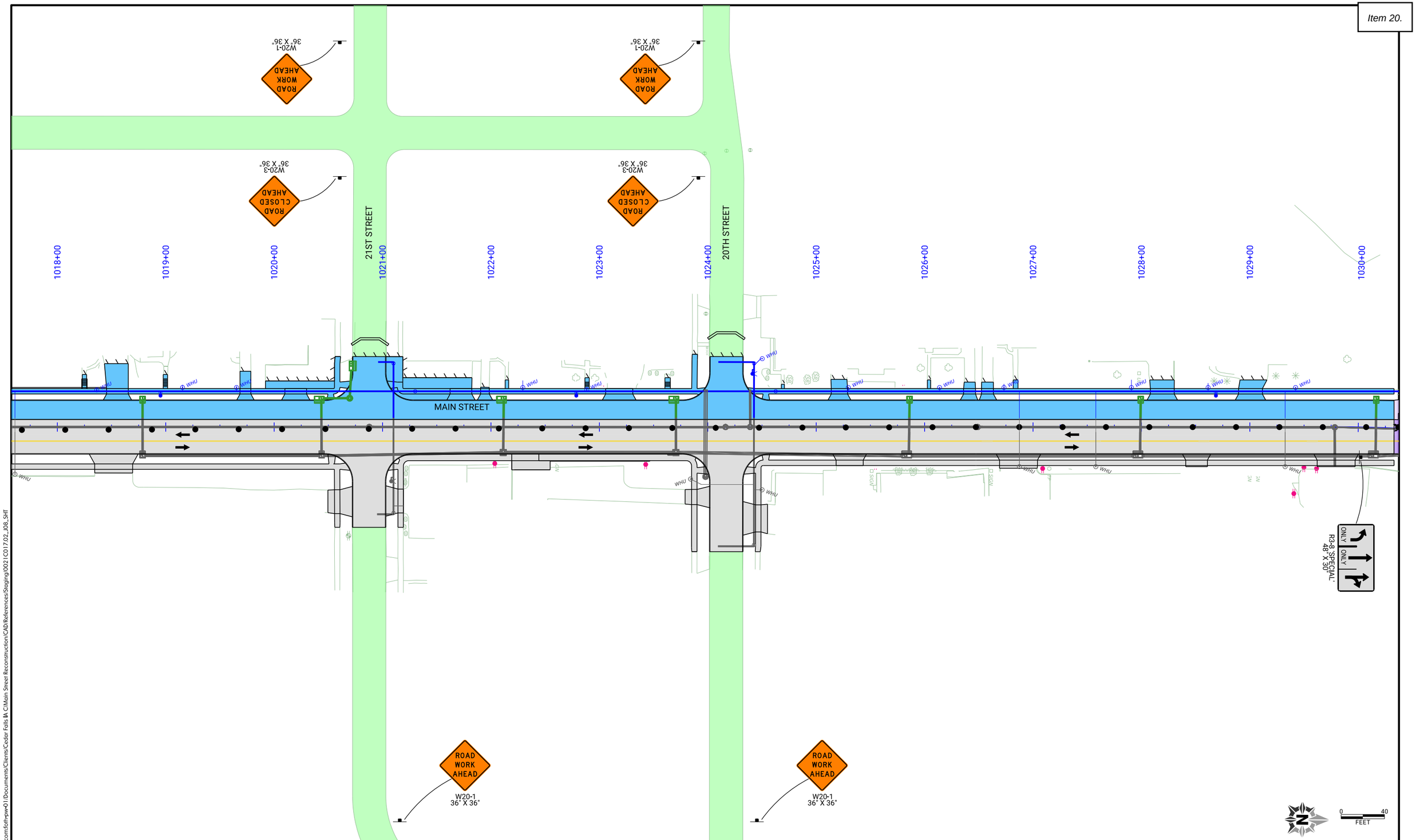

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 1 STAGE 5
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.32

STBG-SWAP-1185(657)

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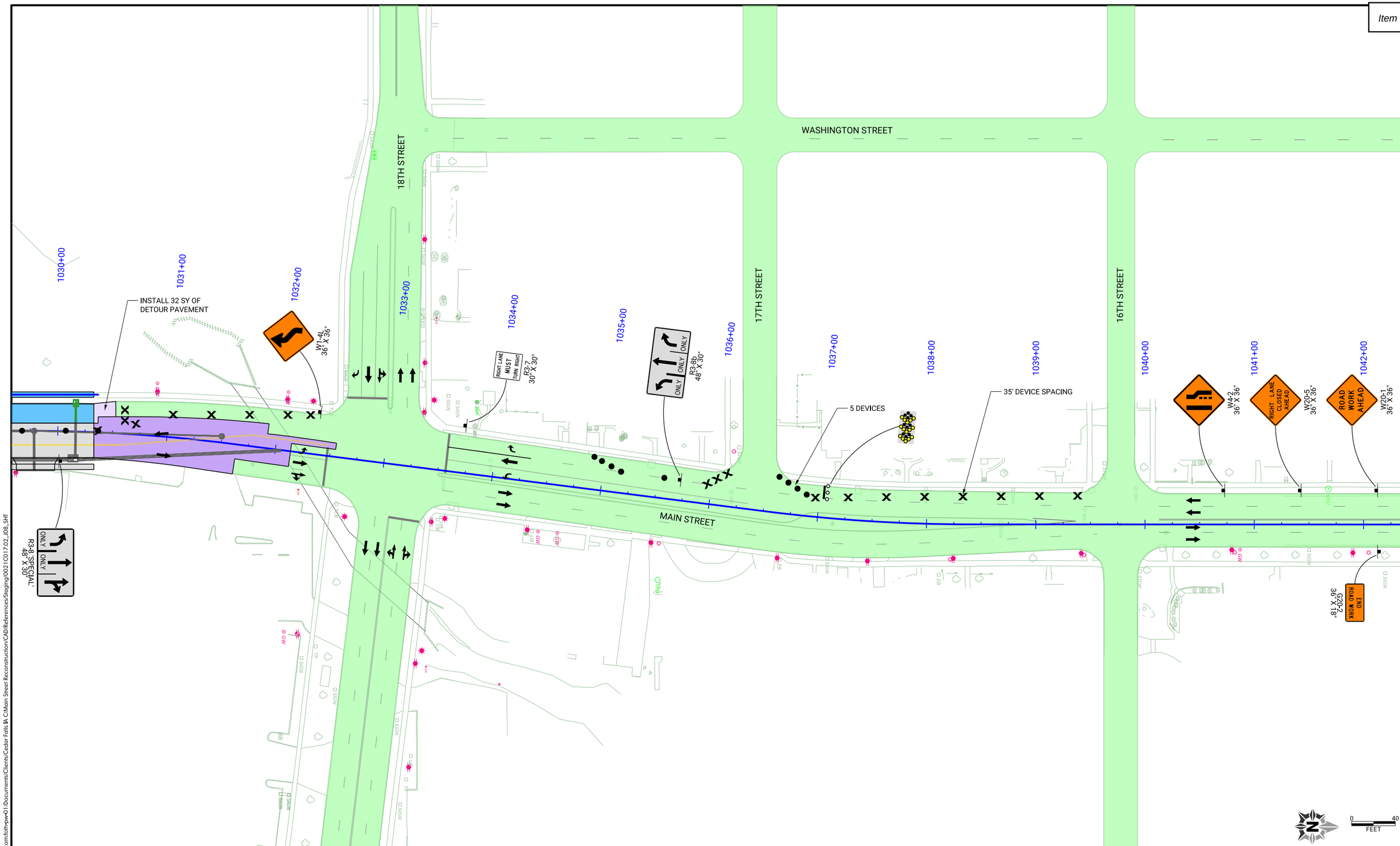

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 1 STAGE 5
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.33

STBG-SWAP-1185(657

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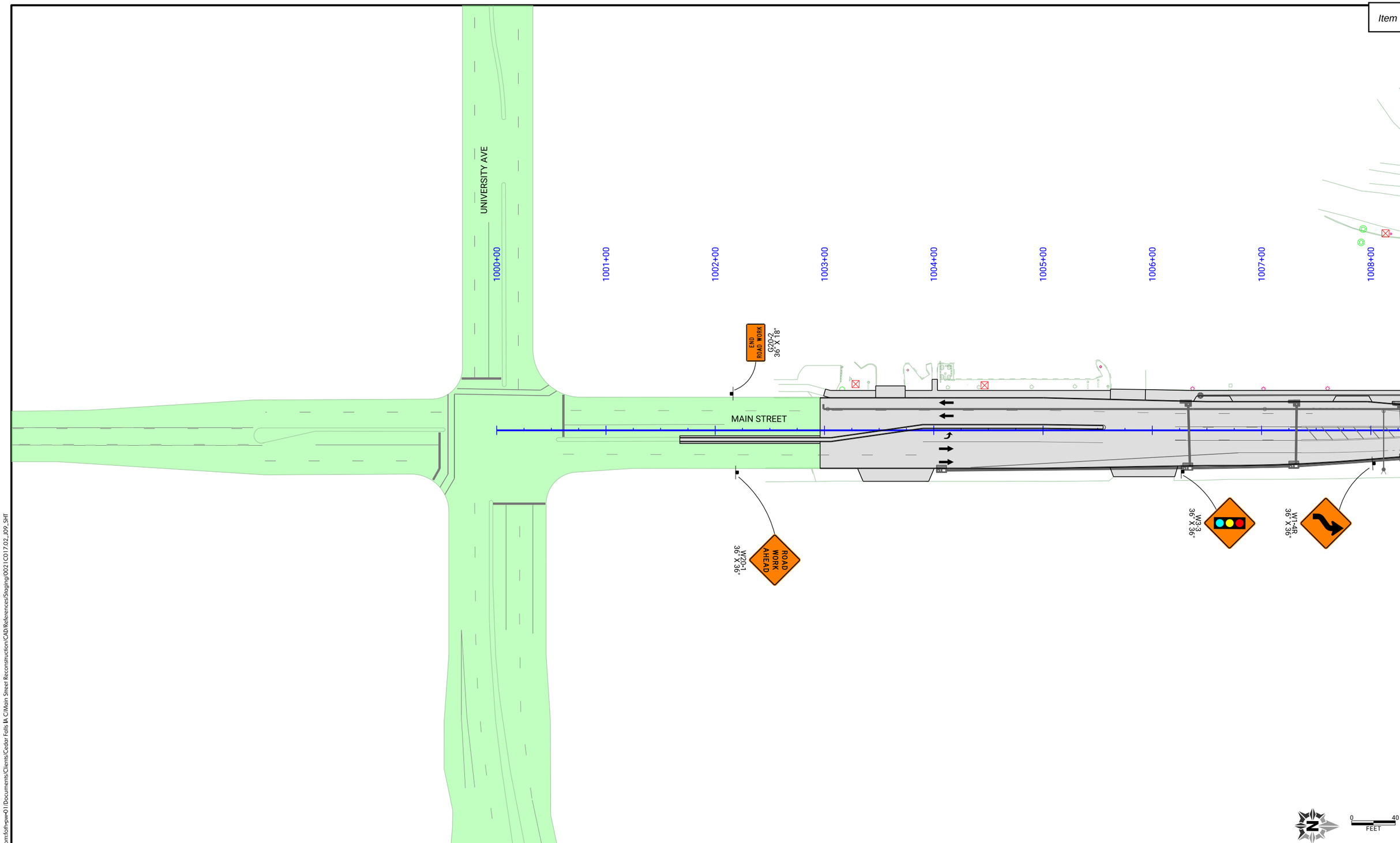

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 1 STAGE 6
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.34

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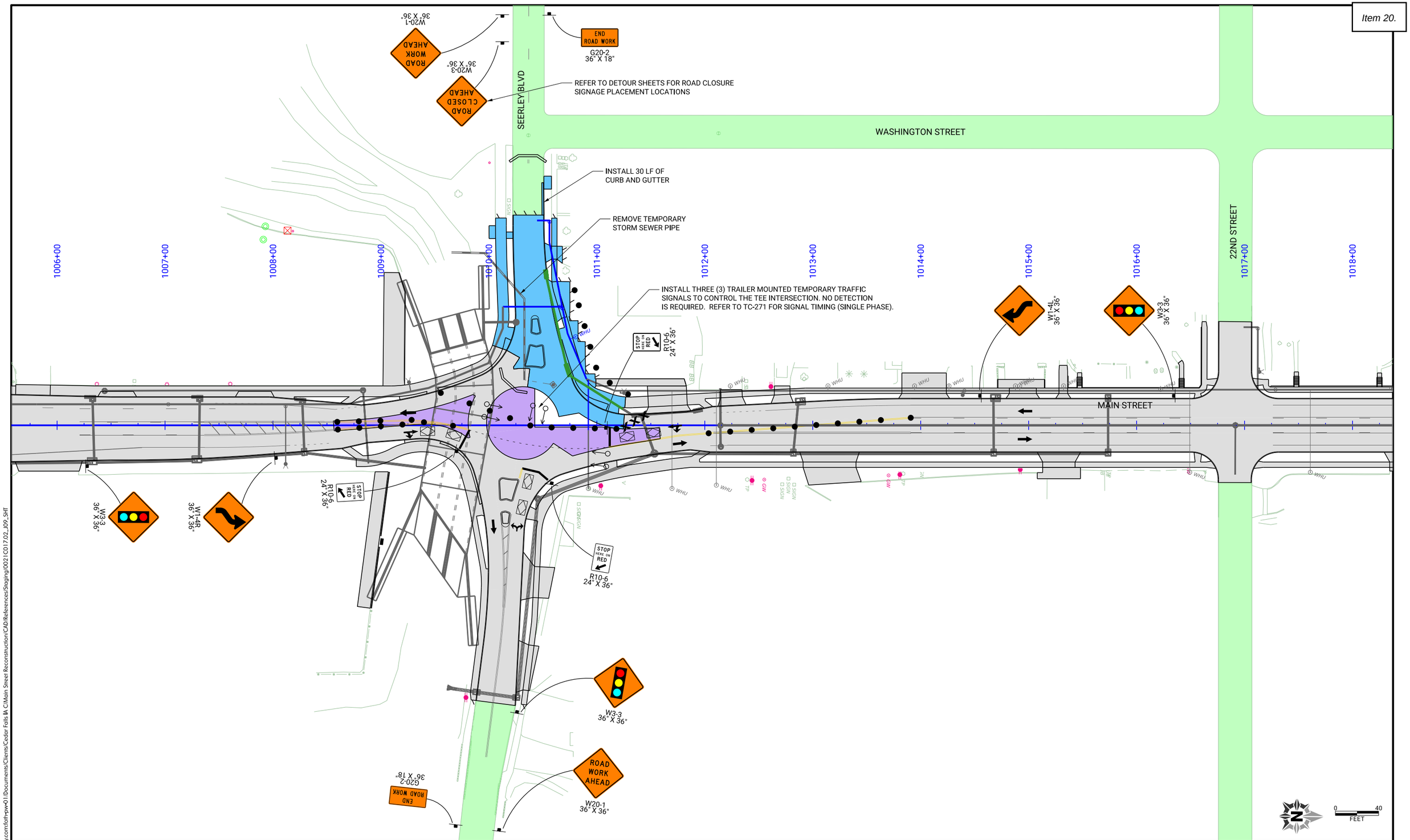

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LETTING DATE: 11/15/2022	CAD DATE: 8/31/2022	4:53:44 PM	
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 1 STAGE 6
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.35

STBG-SWAP-1185(657

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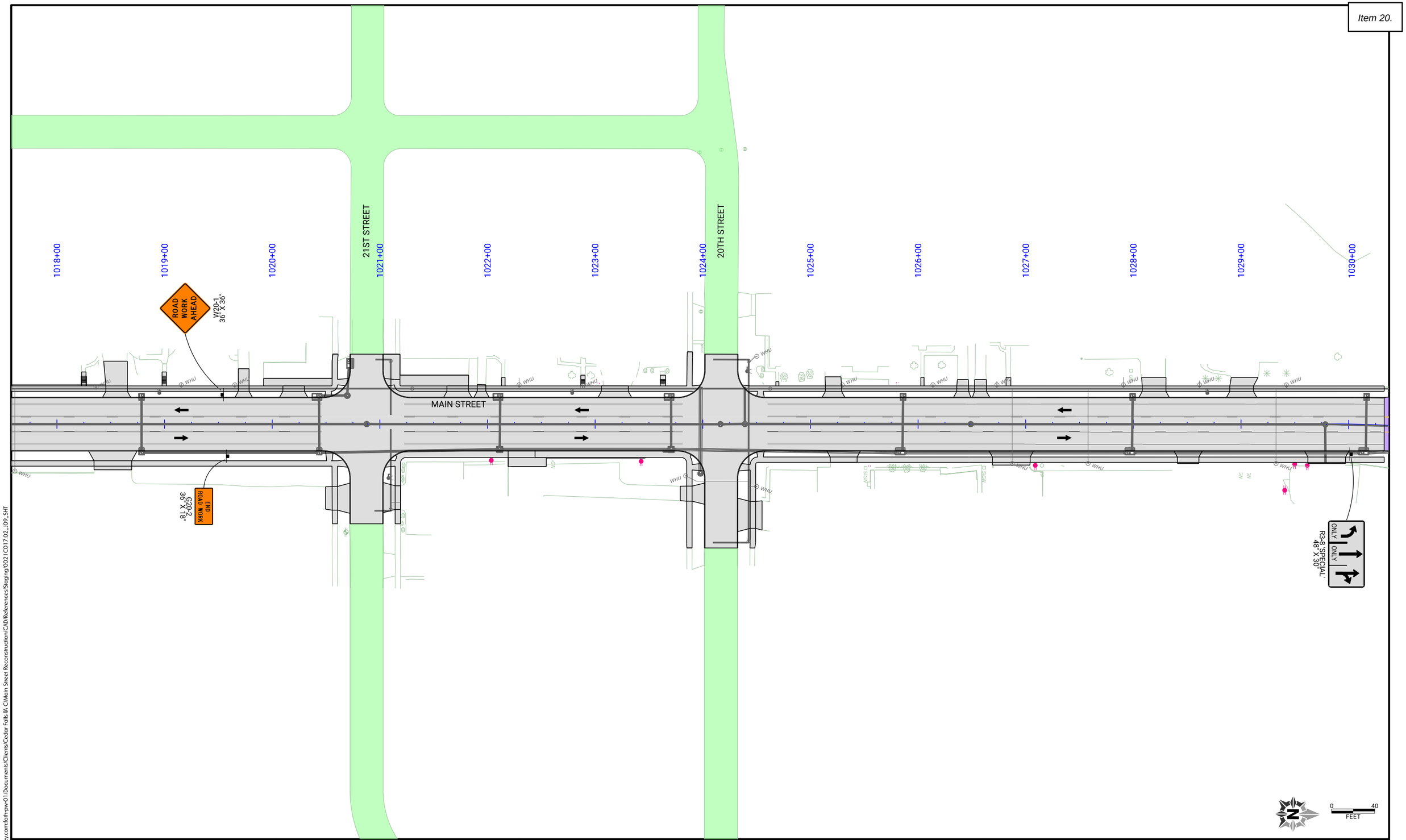

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NO	DATE	BY	REVISION DESCRIPTION

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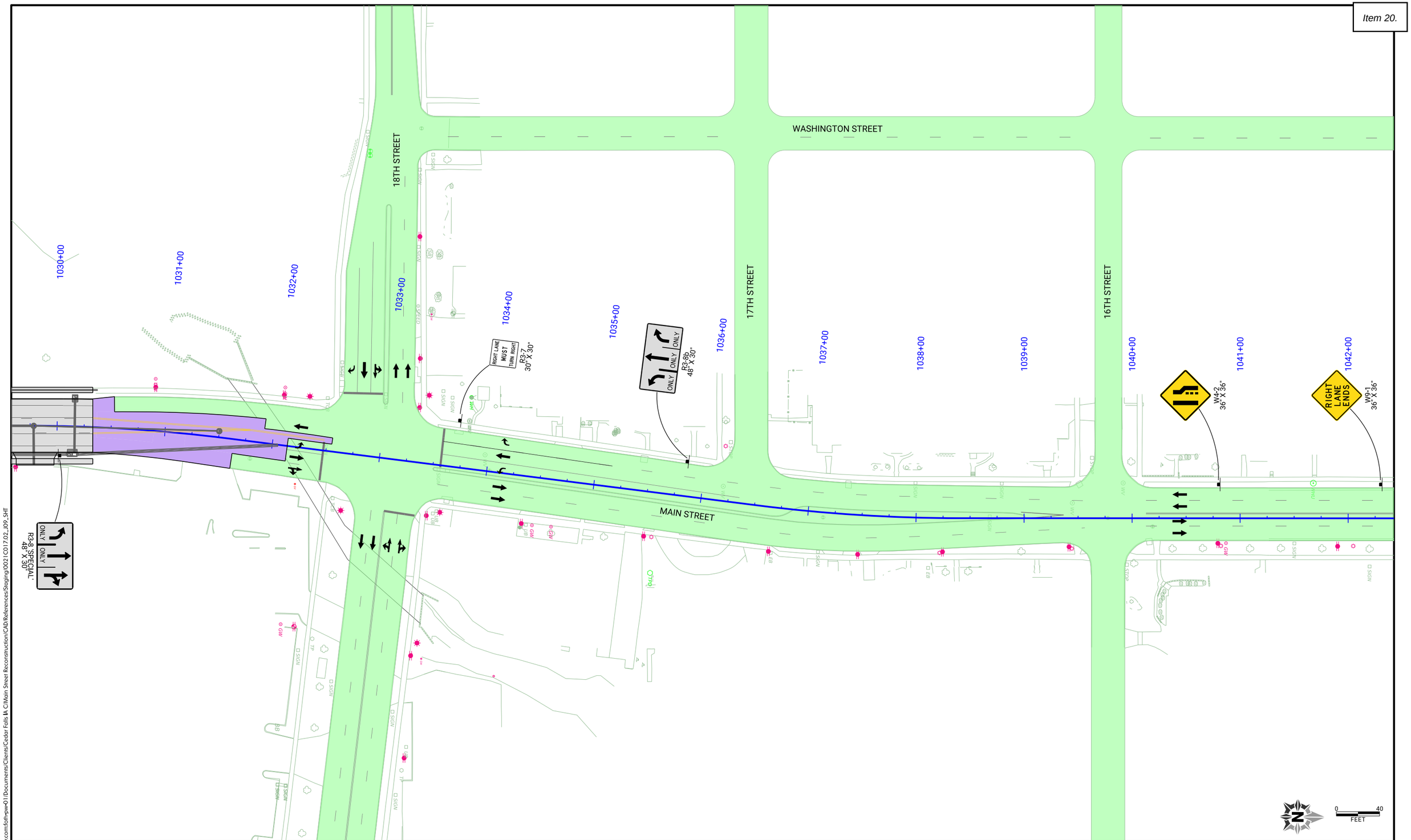
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 1 STAGE 6
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.36
STBG-SWAP-1185(657



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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 1 STAGE 6
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.37

STBG-SWAP-1185(657

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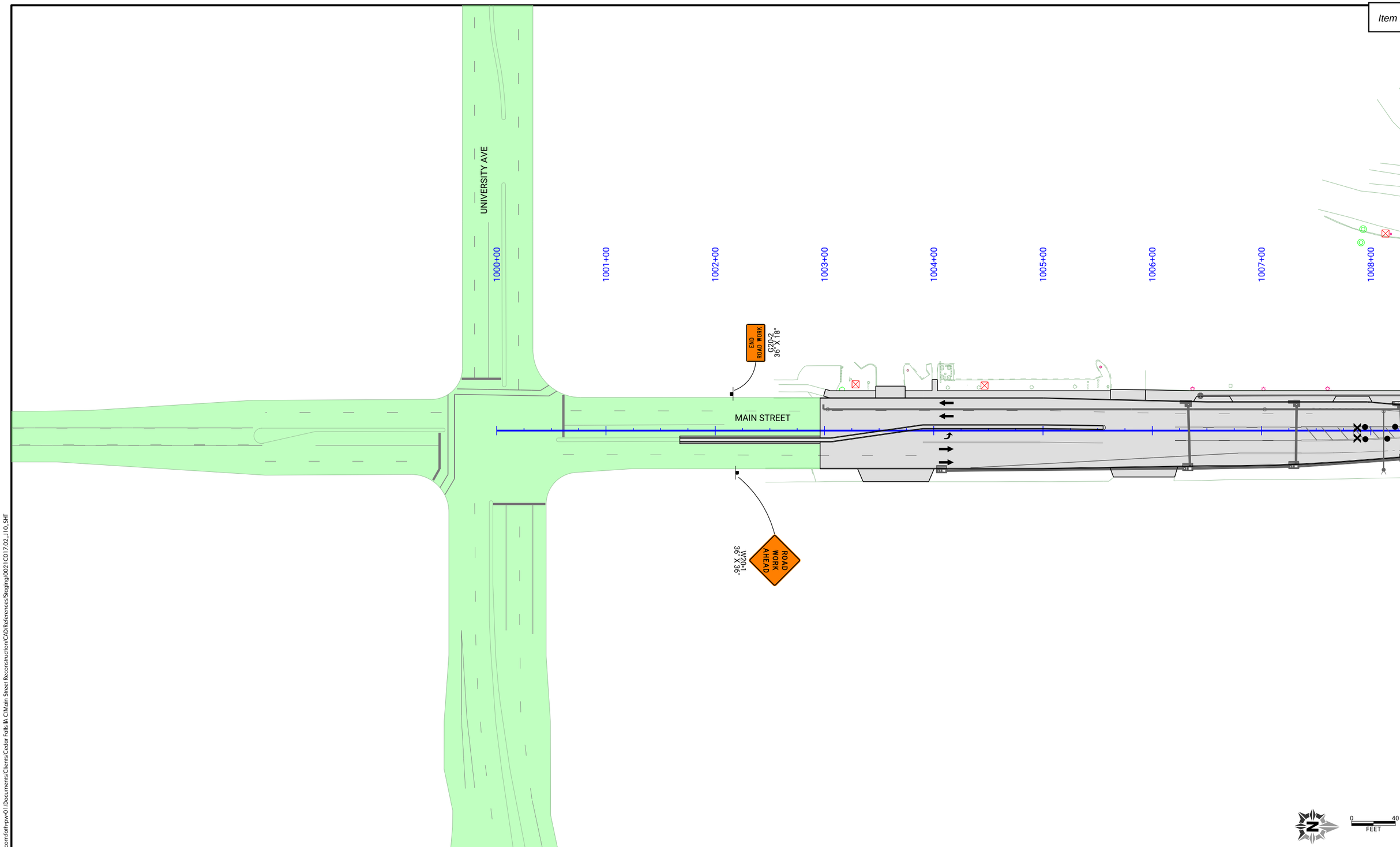

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 1 STAGE 7
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.38
STBG-SWAP-1185(657)

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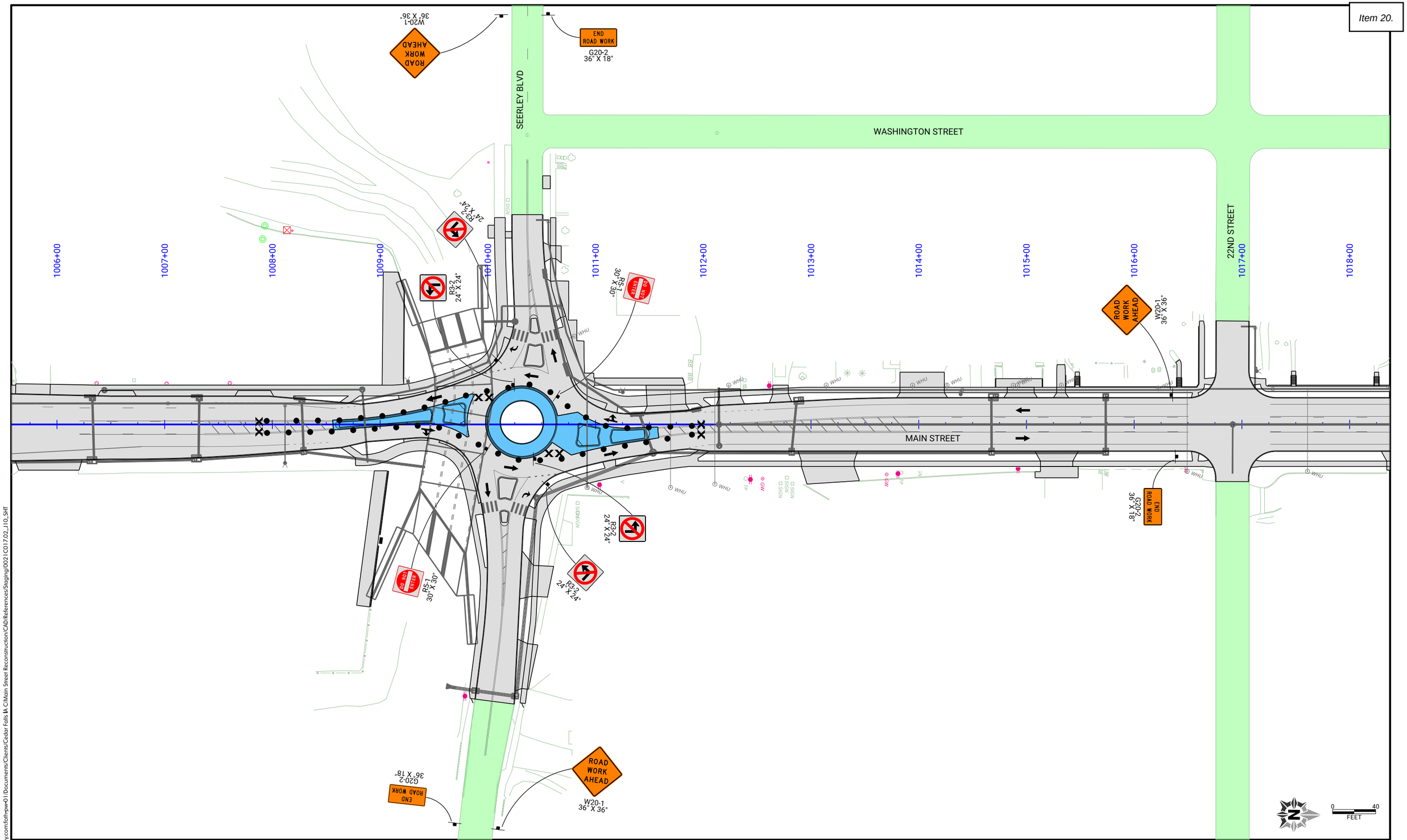

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 1 STAGE 7
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.39

STBG-SWAP-1185(657)

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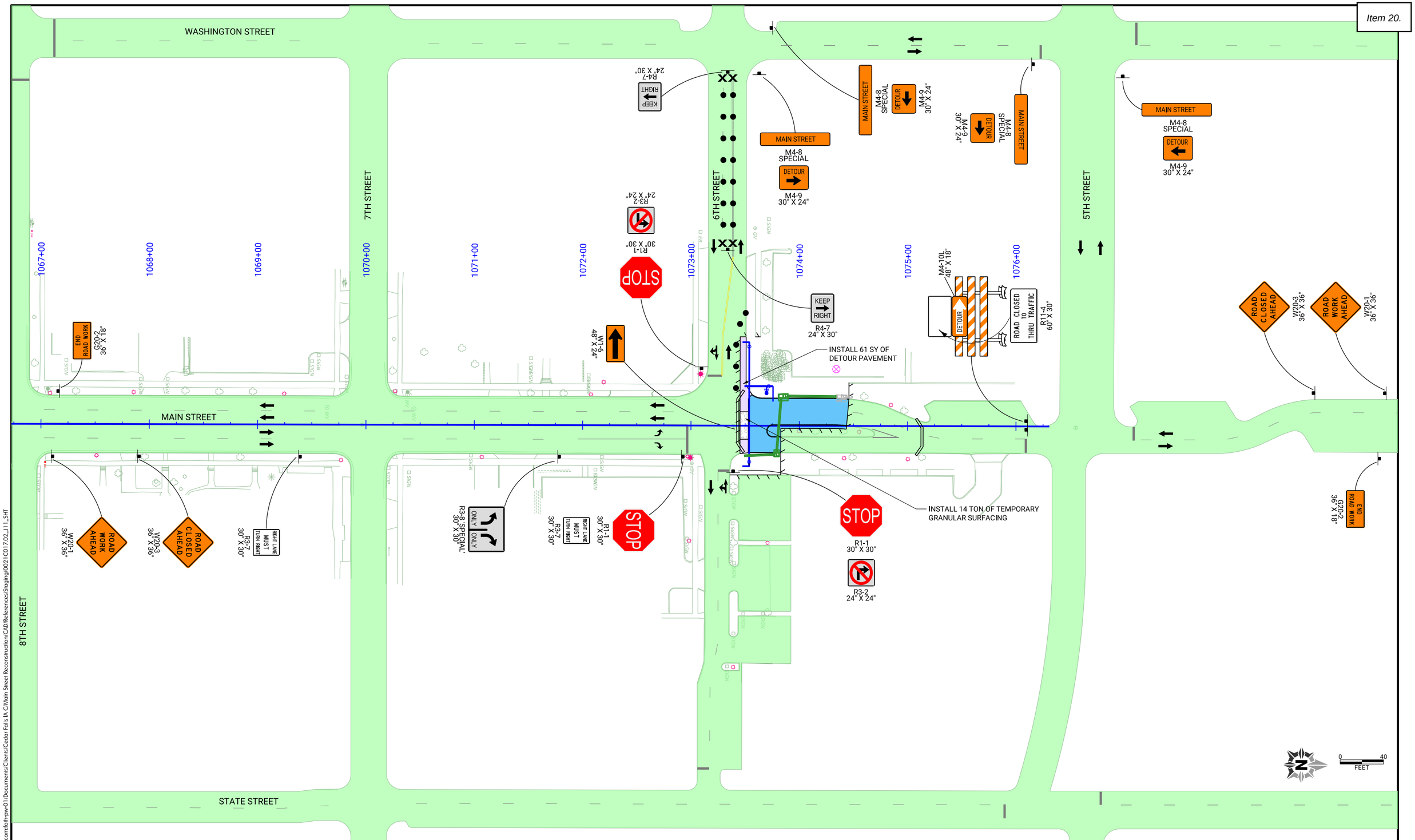

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 2 STAGE 1
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.40

STBG-SWAP-1185(657)

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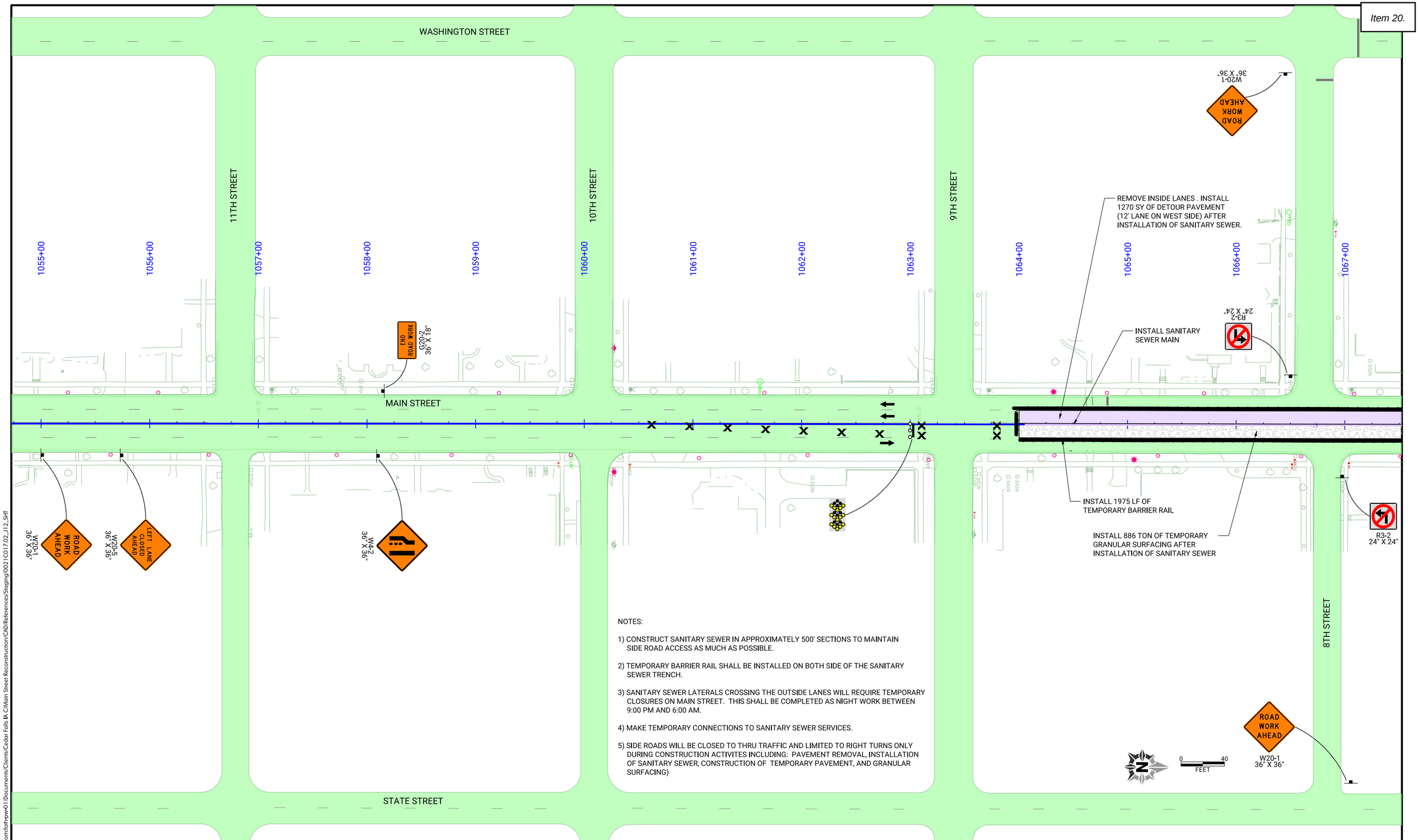

NOTES:

1) CONSTRUCT SANITARY SEWER IN APPROXIMATELY 500' SECTIONS TO MAINTAIN SIDE ROAD ACCESS AS MUCH AS POSSIBLE.

2) TEMPORARY BARRIER RAIL SHALL BE INSTALLED ON BOTH SIDE OF THE SANITARY SEWER TRENCH.

3) SANITARY SEWER LATERALS CROSSING THE OUTSIDE LANES WILL REQUIRE TEMPORARY CLOSURES ON MAIN STREET. THIS SHALL BE COMPLETED AS NIGHT WORK BETWEEN 9:00 PM AND 6:00 AM.

4) MAKE TEMPORARY CONNECTIONS TO SANITARY SEWER SERVICES.

5) SIDE ROADS WILL BE CLOSED TO THRU TRAFFIC AND LIMITED TO RIGHT TURNS ONLY DURING CONSTRUCTION ACTIVITES INCLUDING: PAVEMENT REMOVAL, INSTALLATION OF SANITARY SEWER, CONSTRUCTION OF TEMPORARY PAVEMENT, AND GRANULAR SURFACING)

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: C. CARPER CHECKED BY: A. MONIZA DRAWN BY: C. CARPER
LETTING DATE: 11/15/2022 CAD DATE: 8/31/2022 7:57:24 PM
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 2 STAGE 2
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.41

STBG-SWAP-1185(657

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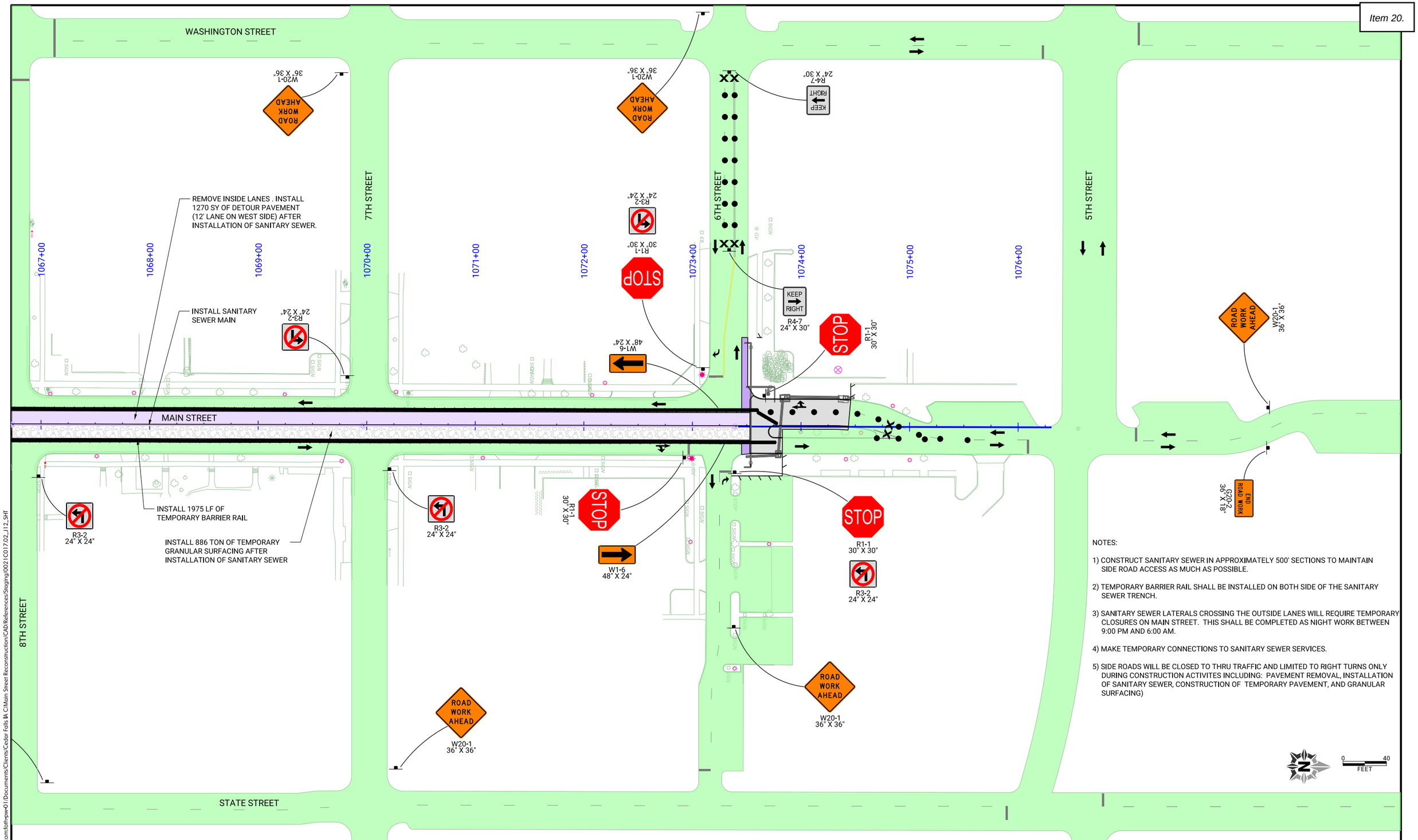

NOTES:

1) CONSTRUCT SANITARY SEWER IN APPROXIMATELY 500' SECTIONS TO MAINTAIN SIDE ROAD ACCESS AS MUCH AS POSSIBLE.

2) TEMPORARY BARRIER RAIL SHALL BE INSTALLED ON BOTH SIDE OF THE SANITARY SEWER TRENCH.

3) SANITARY SEWER LATERALS CROSSING THE OUTSIDE LANES WILL REQUIRE TEMPORARY CLOSURES ON MAIN STREET. THIS SHALL BE COMPLETED AS NIGHT WORK BETWEEN 9:00 PM AND 6:00 AM.

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0 40 FEET

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: C. CARPER CHECKED BY: A. MONIZA DRAWN BY: C. CARPER
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 2 STAGE 2
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.42
STBG-SWAP-1185(657

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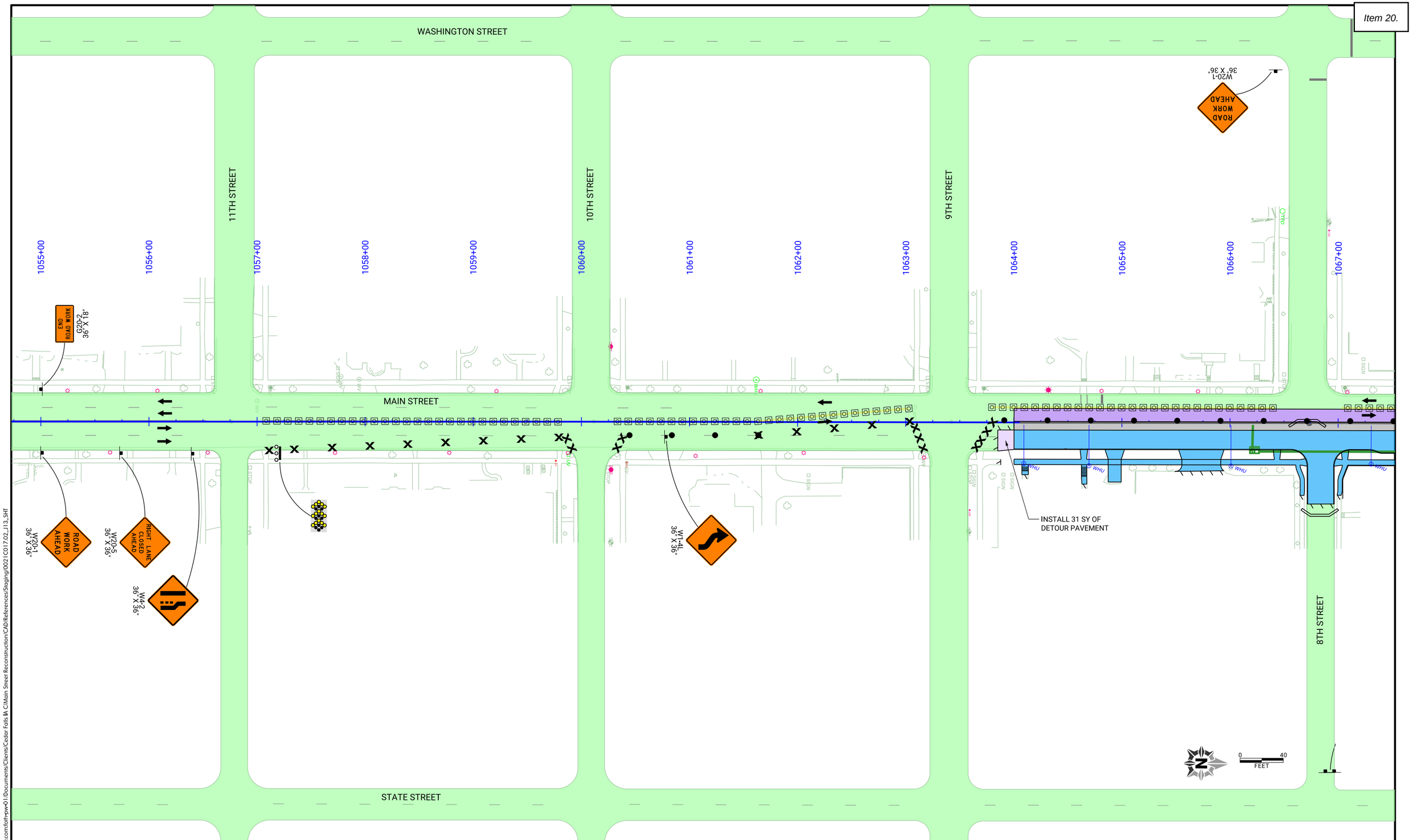

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 2 STAGE 3
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.43
STBG-SWAP-1185(657)

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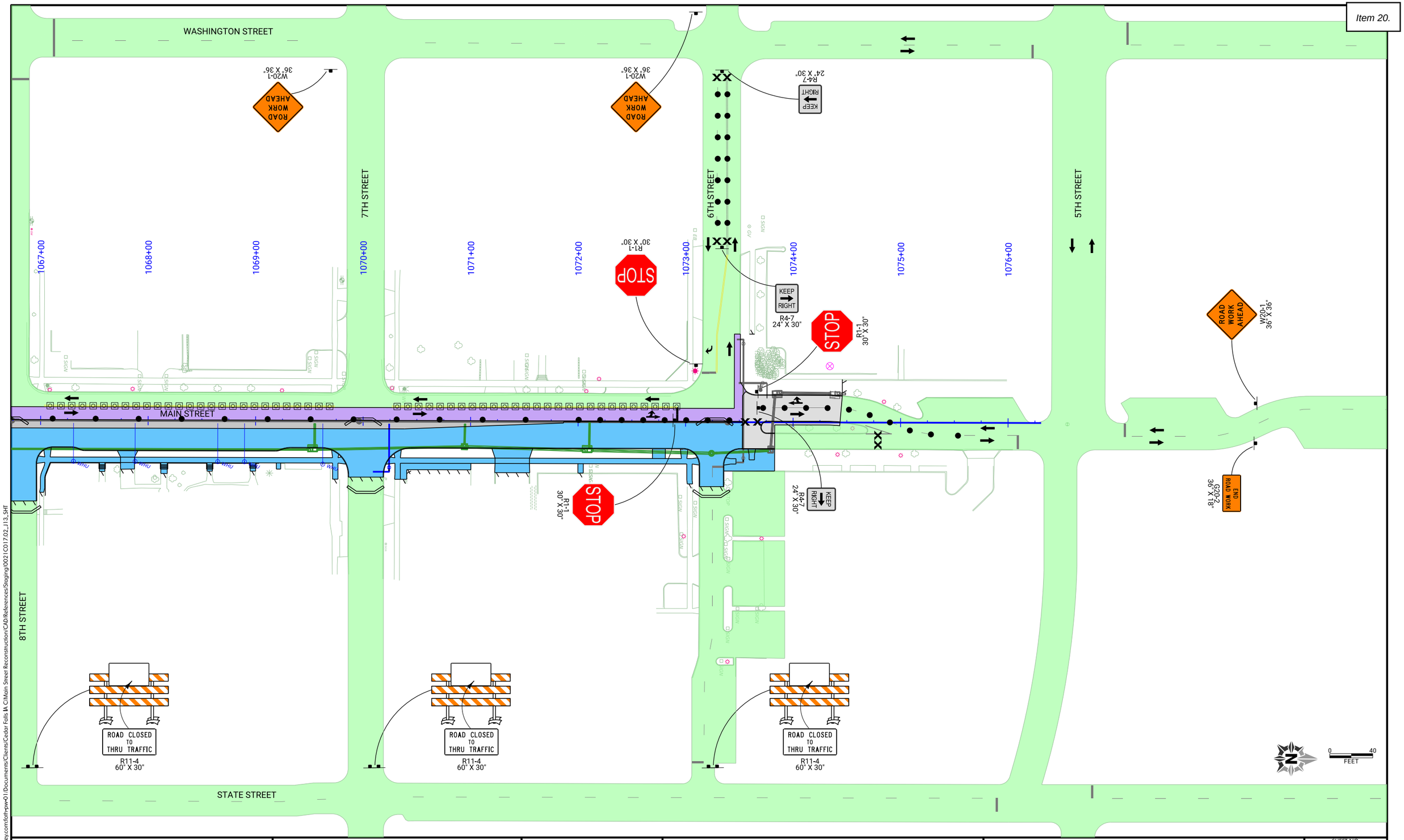

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 2 STAGE 3
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.44

STBG-SWAP-1185(657

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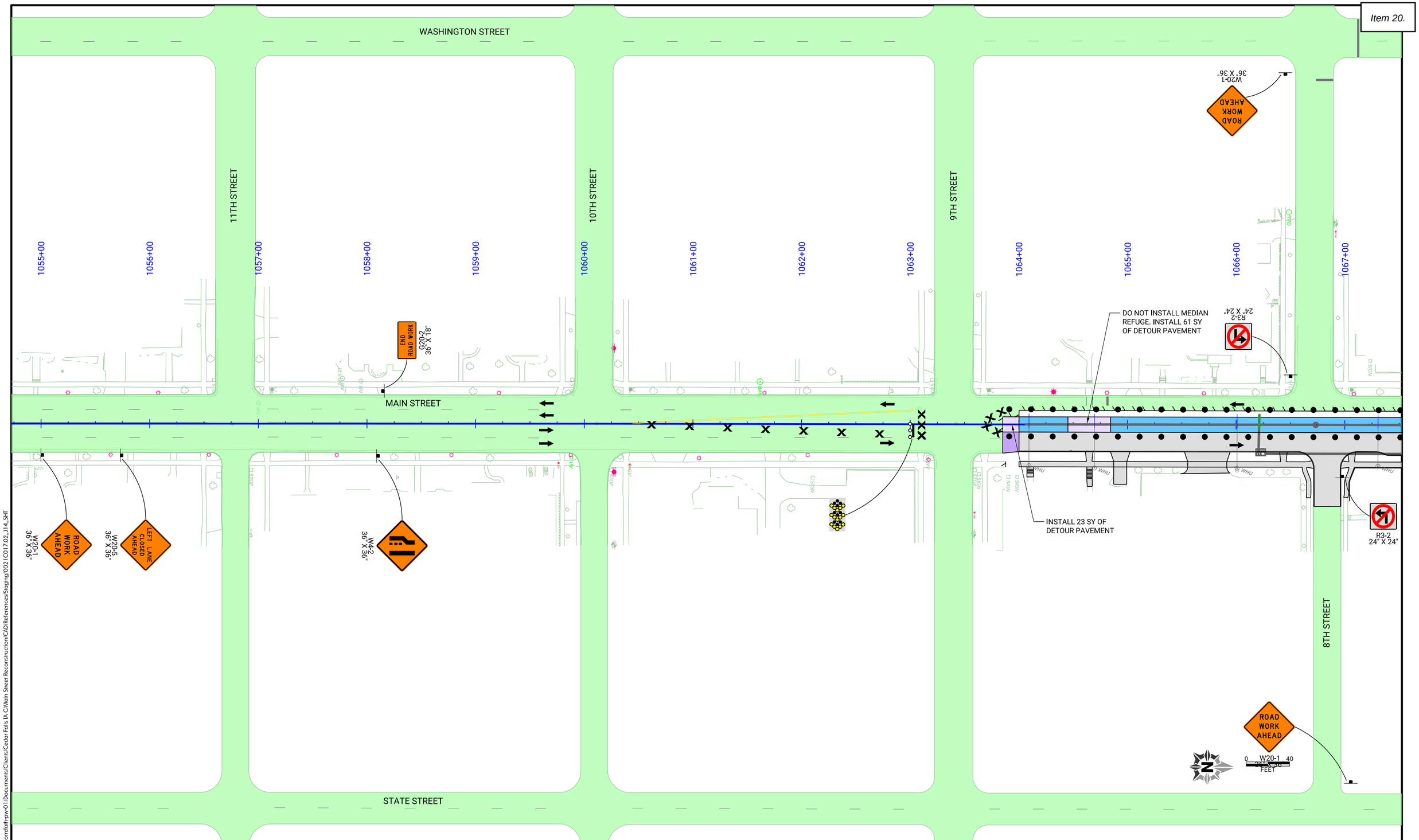

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DESIGNED BY: C. CARPER	CHECKED BY: A. MONIZA	DRAWN BY: C. CARPER	
LETTING DATE: 11/15/2022	CAD DATE: 8/31/2022	8:08:50 PM	
CAD FILE: c:\pw_workdir\pw_ie\cjc\d0551427\0021C017.02_J14_SHT.dgn			

NO	DATE	BY	REVISION DESCRIPTION

Foth

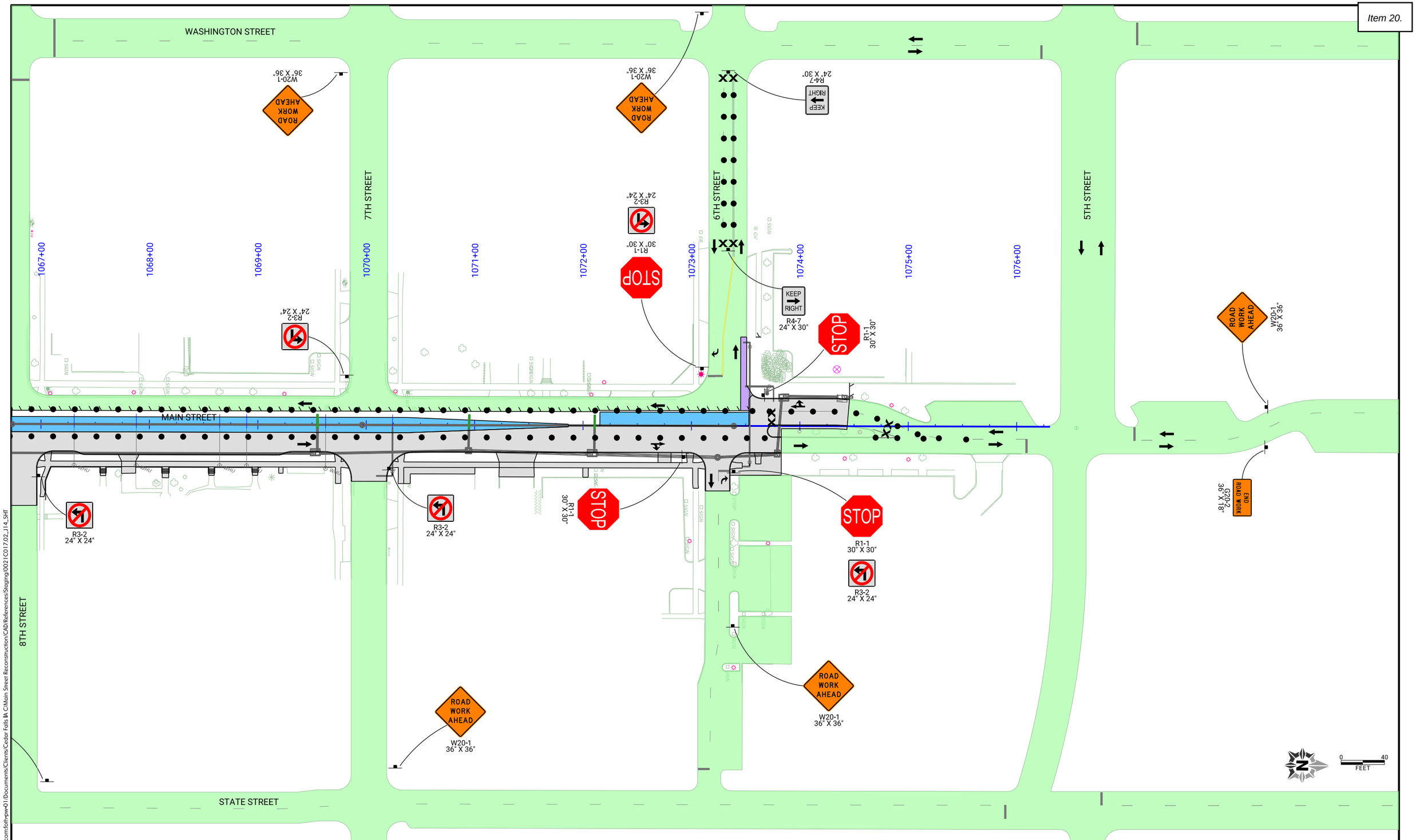
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 2 STAGE 4
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.45

STBG-SWAP-1185(657

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Falls IA C/Main Street Reconstruction/CAD/References/Staging/0021C017.02_J14_SHT



CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: C. CARPER	CHECKED BY: A. MONIZA	DRAWN BY: C. CARPER	
LETTING DATE: 11/15/2022	CAD DATE: 8/31/2022	8:09:48 PM	
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 2 STAGE 4
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.46
STBG-SWAP-1185(657)

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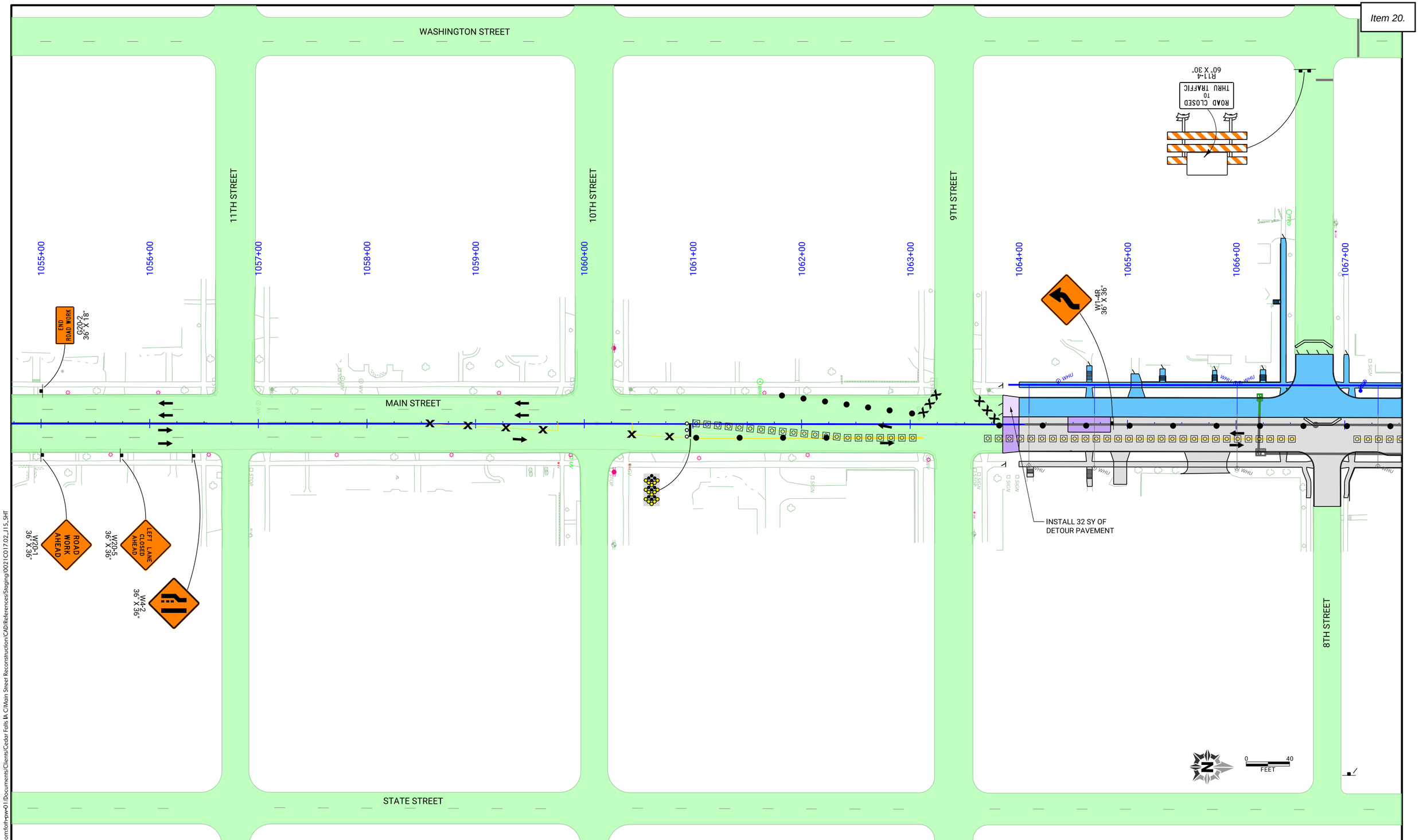

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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: C. CARPER	CHECKED BY: A. MONIZA	DRAWN BY: C. CARPER	
LETTING DATE: 11/15/2022	CAD DATE: 8/31/2022	8:14:54 PM	
CAD FILE: c:\pw_workdir\pw_ie\cjc\d0551427\0021C017.02_J15_SHT.dgn			

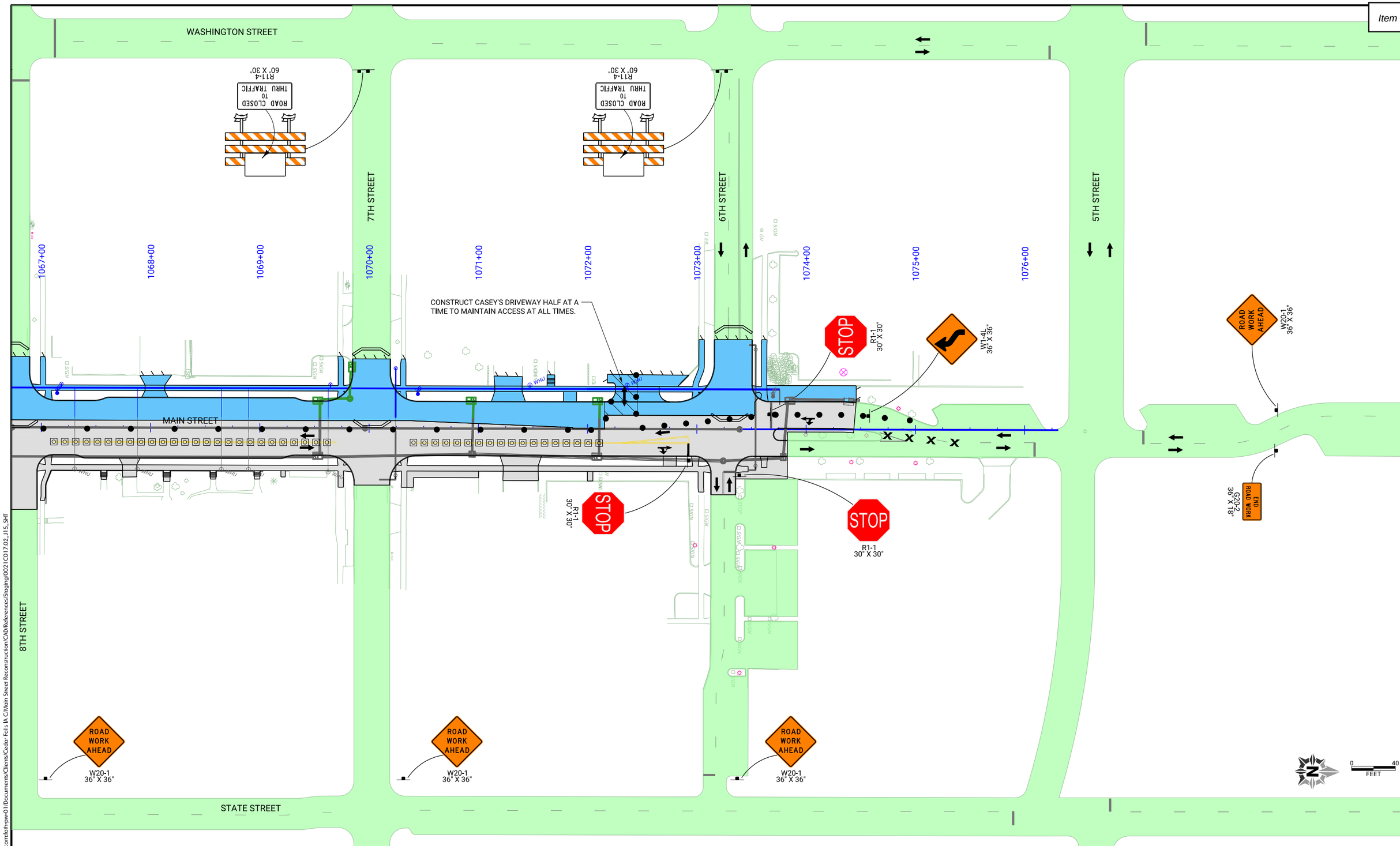
NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 2 STAGE 5
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.47



CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 2 STAGE 5
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.48

STBG-SWAP-1185(657)

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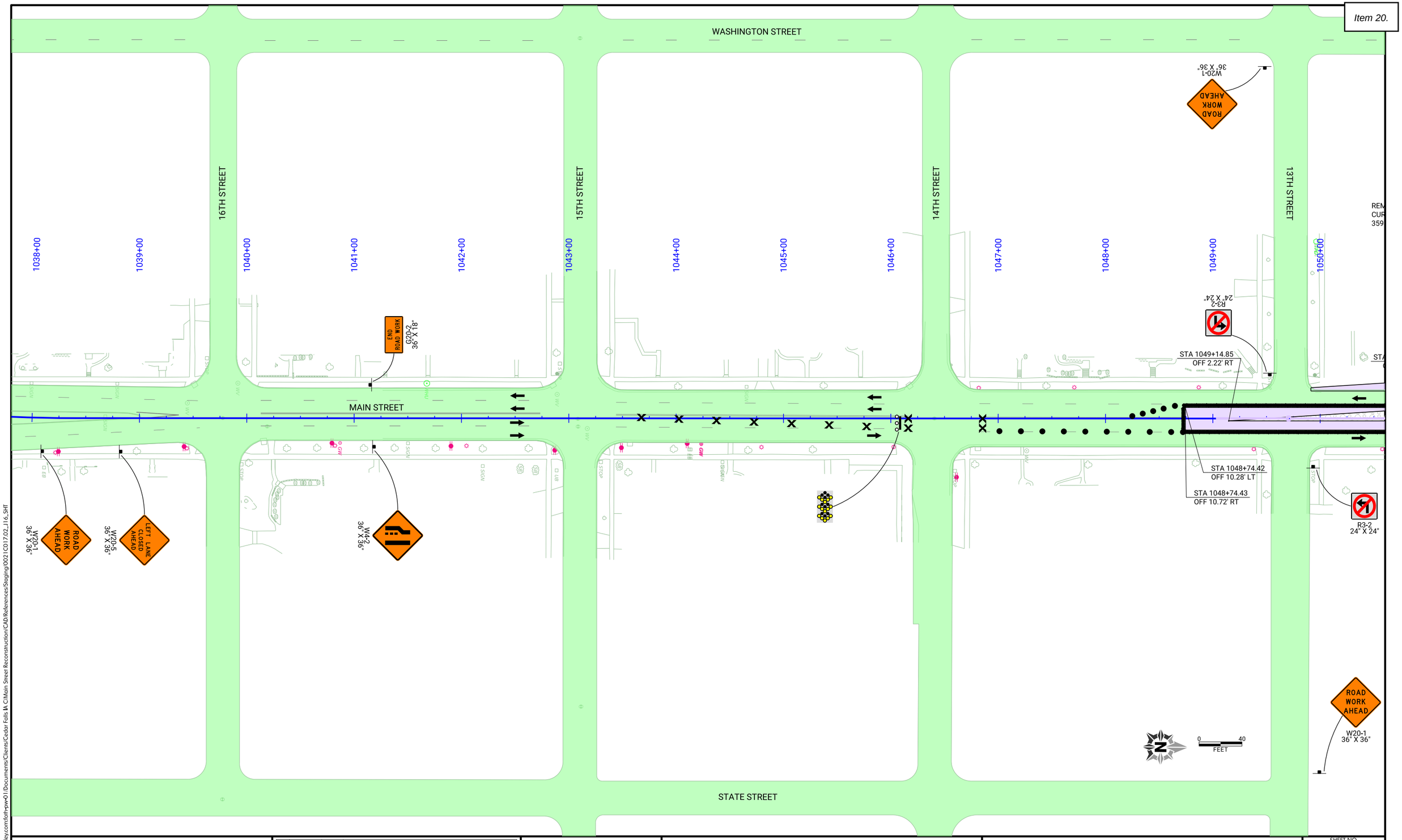

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CLIENT PROJECT NO:	STBG-SWAP-1185(657)--SG--07
FOTH PROJECT NO:	0021C017.02
DESIGNED BY:	C. CARPER
CHECKED BY:	A. MONIZA
DRAWN BY:	C. CARPER
LETTING DATE:	11/15/2022
CAD DATE:	8/31/2022 8:26:07 PM
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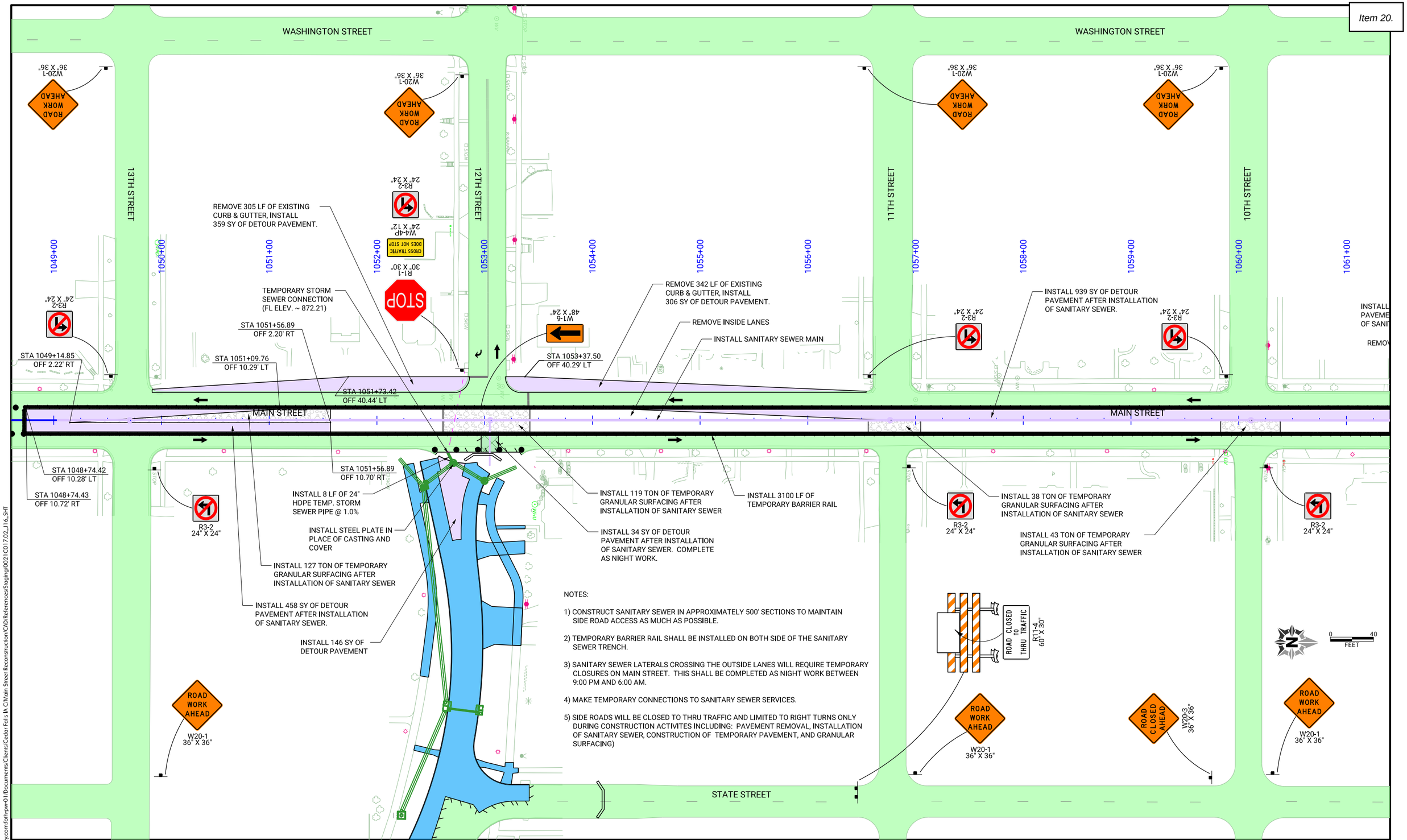
NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 3 STAGE 1
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.49
STBG-SWAP-1185(657



NOTES:

1) CONSTRUCT SANITARY SEWER IN APPROXIMATELY 500' SECTIONS TO MAINTAIN SIDE ROAD ACCESS AS MUCH AS POSSIBLE.

2) TEMPORARY BARRIER RAIL SHALL BE INSTALLED ON BOTH SIDE OF THE SANITARY SEWER TRENCH.

3) SANITARY SEWER LATERALS CROSSING THE OUTSIDE LANES WILL REQUIRE TEMPORARY CLOSURES ON MAIN STREET. THIS SHALL BE COMPLETED AS NIGHT WORK BETWEEN 9:00 PM AND 6:00 AM.

4) MAKE TEMPORARY CONNECTIONS TO SANITARY SEWER SERVICES.

5) SIDE ROADS WILL BE CLOSED TO THRU TRAFFIC AND LIMITED TO RIGHT TURNS ONLY DURING CONSTRUCTION ACTIVITES INCLUDING: PAVEMENT REMOVAL, INSTALLATION OF SANITARY SEWER, CONSTRUCTION OF TEMPORARY PAVEMENT, AND GRANULAR SURFACING)

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: C. CARPER	CHECKED BY: A. MONIZA	DRAWN BY: C. CARPER	
LETTING DATE: 11/15/2022	CAD DATE: 8/31/2022	8:27:48 PM	
CAD FILE: c:\pw_workdir\pw_ie\cjc\d0551427\0021C017.02_J16_SHT.dgn			

NO	DATE	BY	REVISION DESCRIPTION

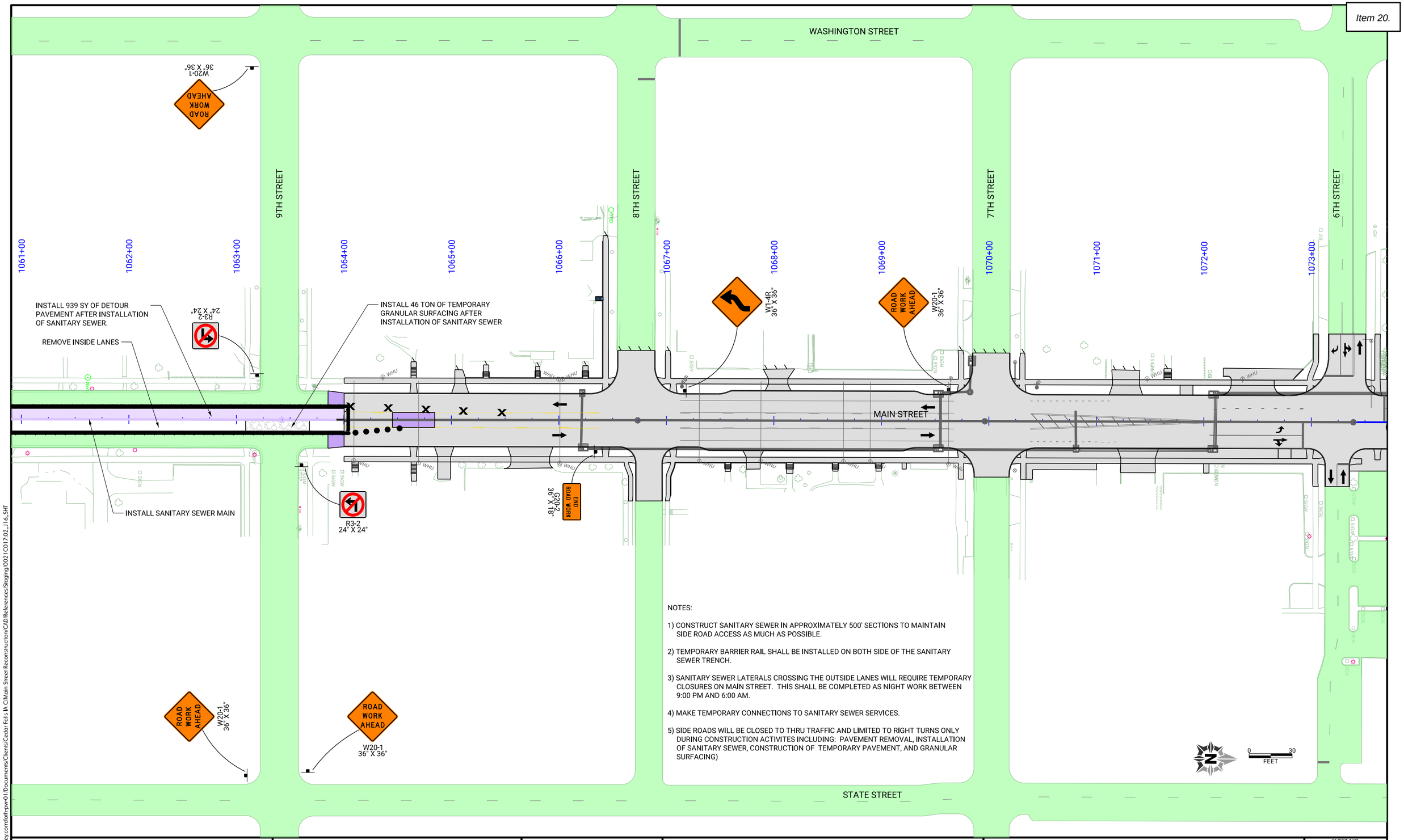
Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 3 STAGE 1
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.50

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Falls IA C\Main Street Reconstruction\CAD\References\Staging\0021C017.02_J16_SHT



NOTES:

1) CONSTRUCT SANITARY SEWER IN APPROXIMATELY 500' SECTIONS TO MAINTAIN SIDE ROAD ACCESS AS MUCH AS POSSIBLE.

2) TEMPORARY BARRIER RAIL SHALL BE INSTALLED ON BOTH SIDE OF THE SANITARY SEWER TRENCH.

3) SANITARY SEWER LATERALS CROSSING THE OUTSIDE LANES WILL REQUIRE TEMPORARY CLOSURES ON MAIN STREET. THIS SHALL BE COMPLETED AS NIGHT WORK BETWEEN 9:00 PM AND 6:00 AM.

4) MAKE TEMPORARY CONNECTIONS TO SANITARY SEWER SERVICES.

5) SIDE ROADS WILL BE CLOSED TO THRU TRAFFIC AND LIMITED TO RIGHT TURNS ONLY DURING CONSTRUCTION ACTIVITES INCLUDING: PAVEMENT REMOVAL, INSTALLATION OF SANITARY SEWER, CONSTRUCTION OF TEMPORARY PAVEMENT, AND GRANULAR SURFACING)

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CLIENT PROJECT NO:	STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO:	0021C017.02
DESIGNED BY:	C. CARPER	CHECKED BY:	A. MONIZA
DRAWN BY:	C. CARPER		
LETTING DATE:	11/15/2022	CAD DATE:	8/31/2022 8:29:42 PM
CAD FILE:	c:\pw_workdir\pw_ie\cjc\d0551427\0021C017.02_J16_SHT.dgn		

NO	DATE	BY	REVISION DESCRIPTION

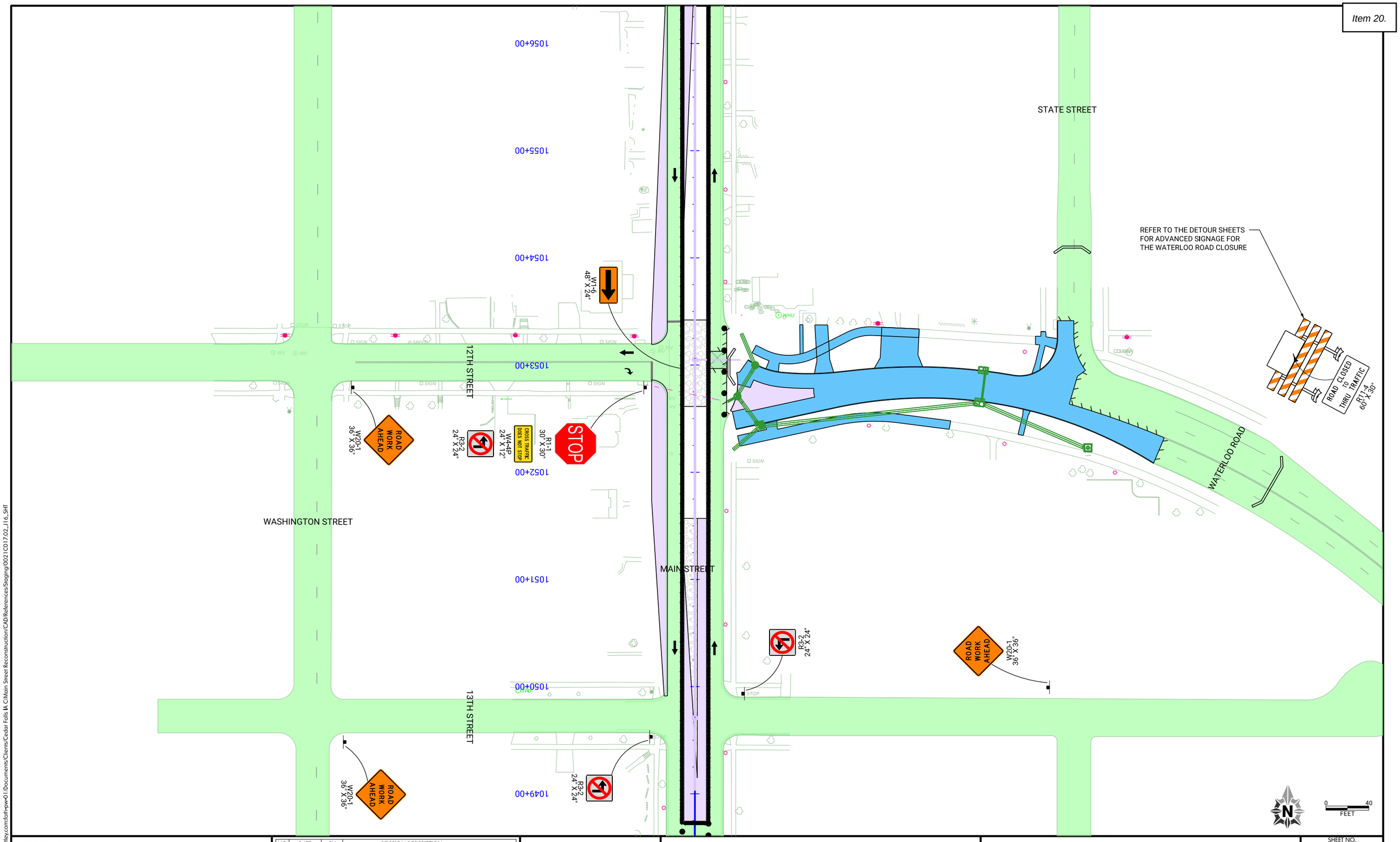
Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 3 STAGE 1
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.51

STBG-SWAP-1185(657



CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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LETTING DATE: 11/15/2022	CAD DATE: 8/31/2022	8:31:48 PM	
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NO	DATE	BY	REVISION DESCRIPTION

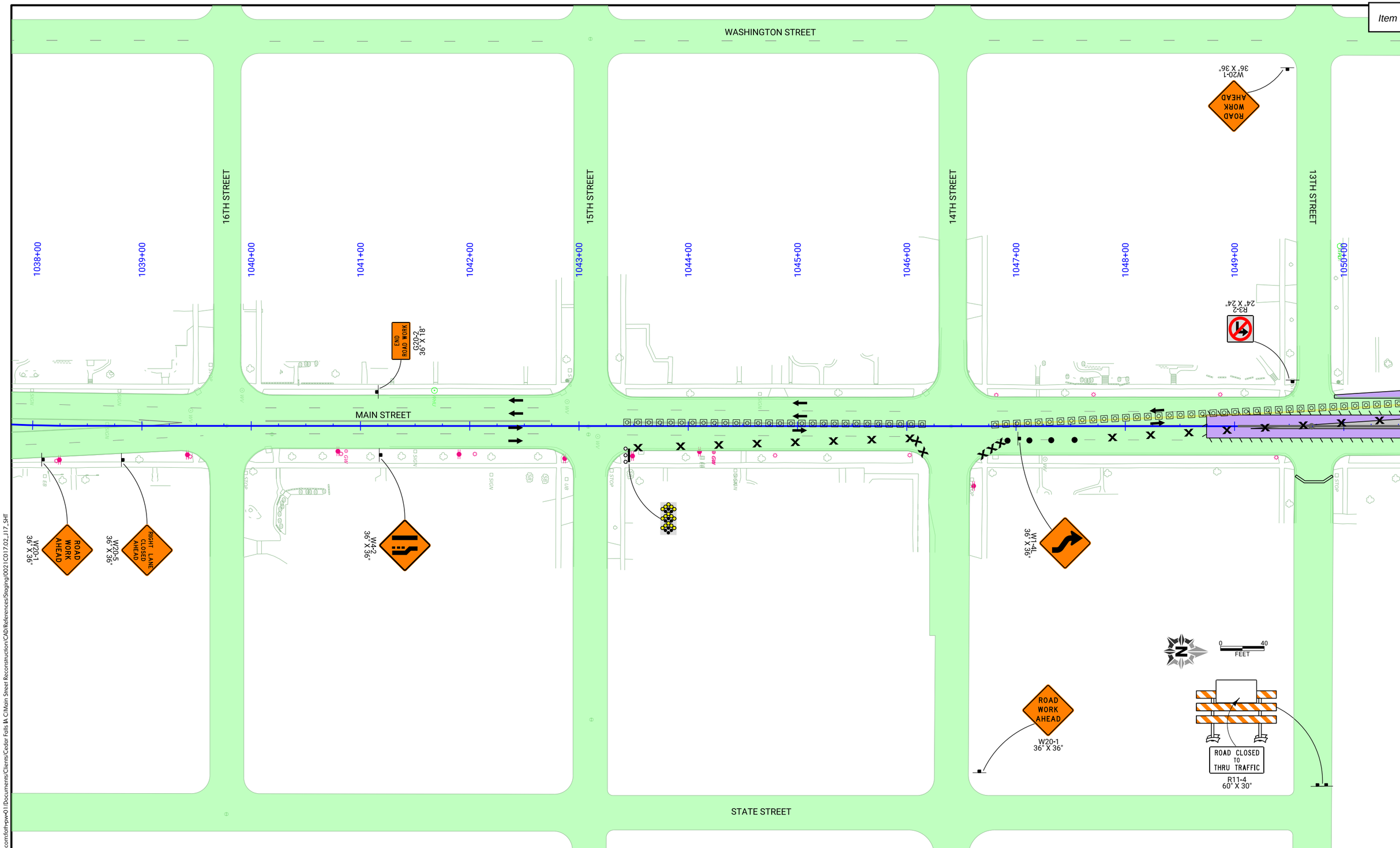
Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 3 STAGE 1
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.52
STBG-SWAP-1185(657

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Falls IA C\Main Street Reconstruction\CAD\References\Staging\0021C017.02_J16_SHT



CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: C. CARPER	CHECKED BY: A. MONIZA	DRAWN BY: C. CARPER	
LETTING DATE: 11/15/2022	CAD DATE: 8/31/2022	8:36:44 PM	
CAD FILE: c:\pw_workdir\pw_ie\cjc\d0551427\0021C017.02_J17_SHT.dgn			

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 3 STAGE 2
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.53
STBG-SWAP-1185(657)

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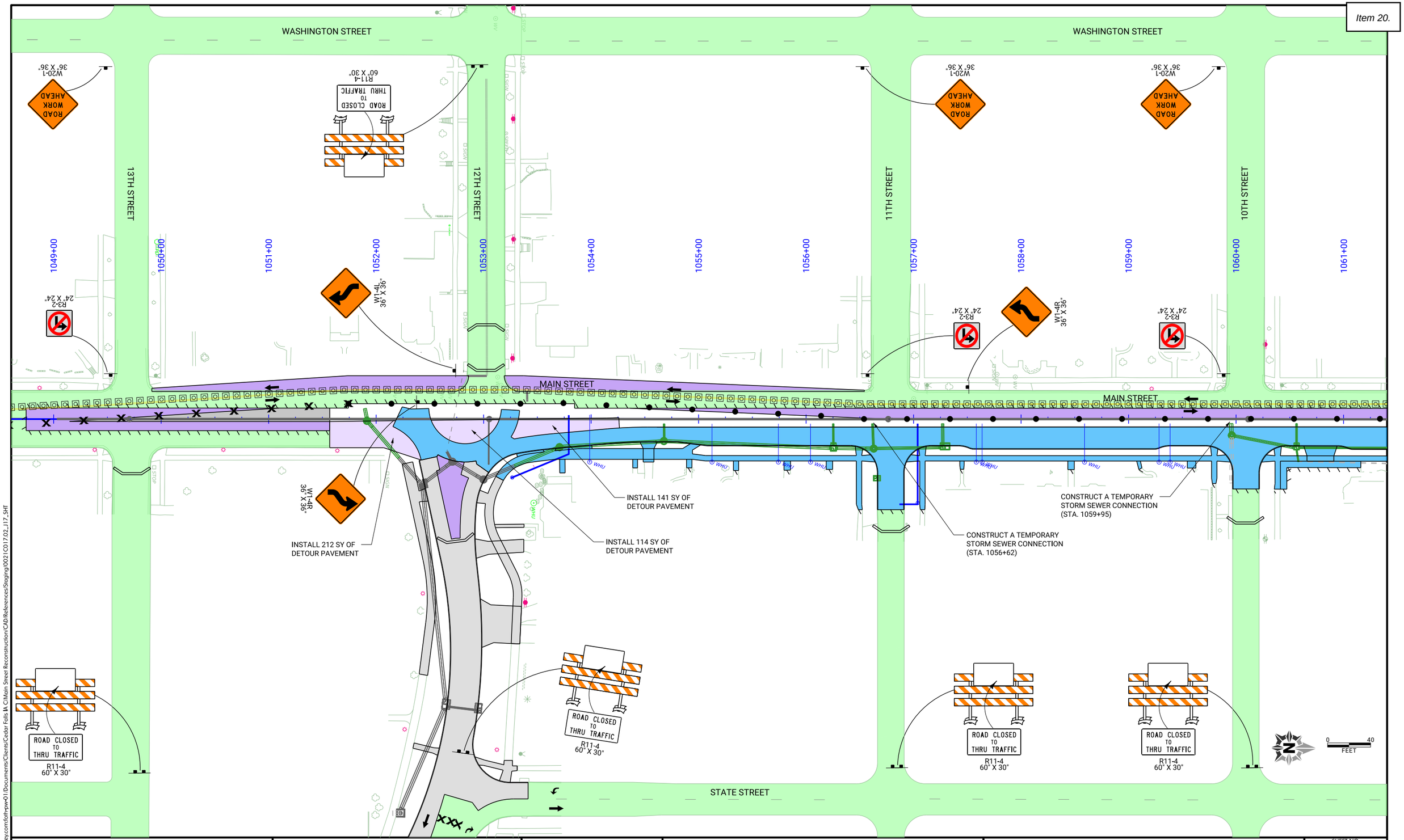

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 3 STAGE 2
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.54
STBG-SWAP-1185(657

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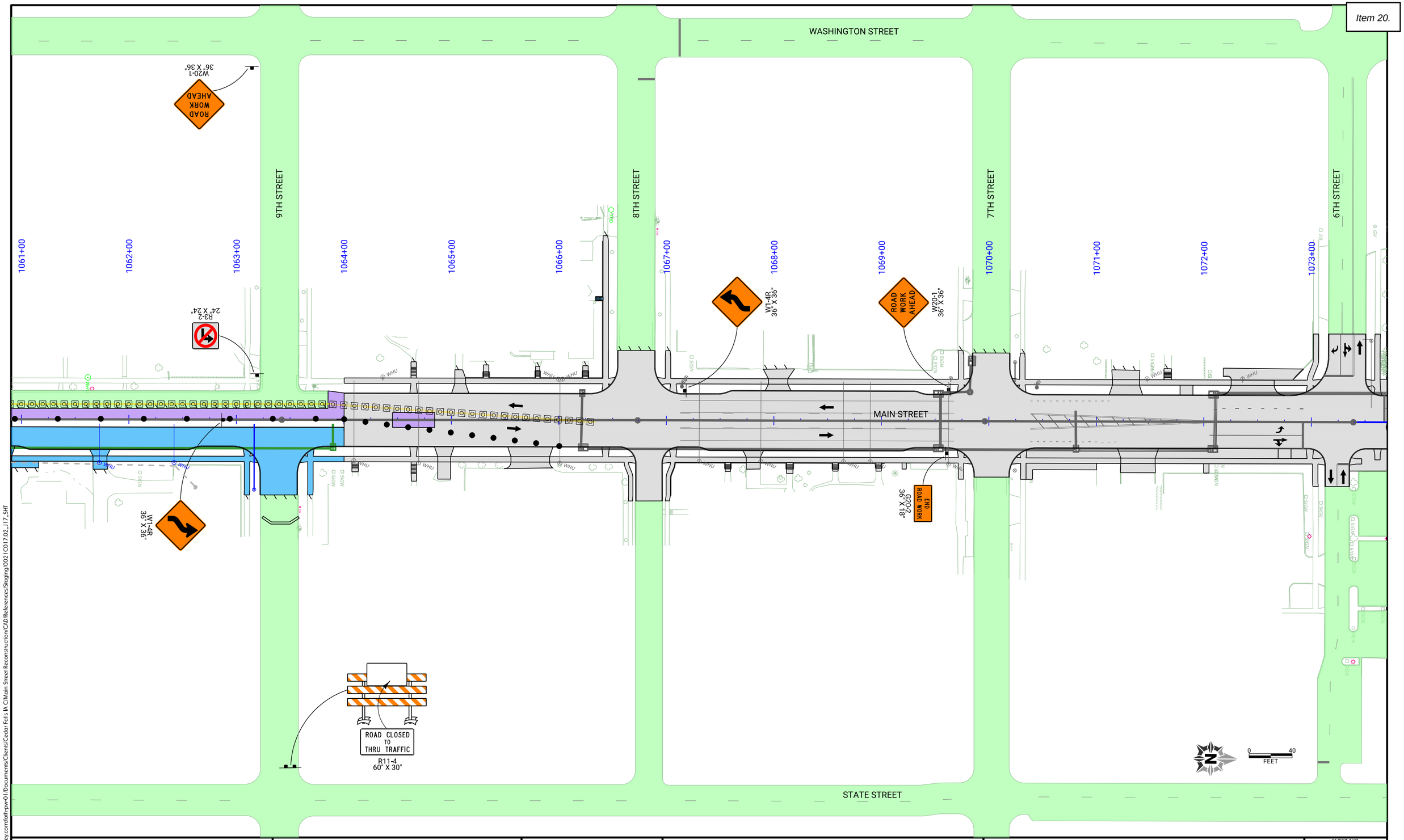

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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LETTING DATE: 11/15/2022	CAD DATE: 8/31/2022		8:38:54 PM
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 3 STAGE 2
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.55

STBG-SWAP-1185(657

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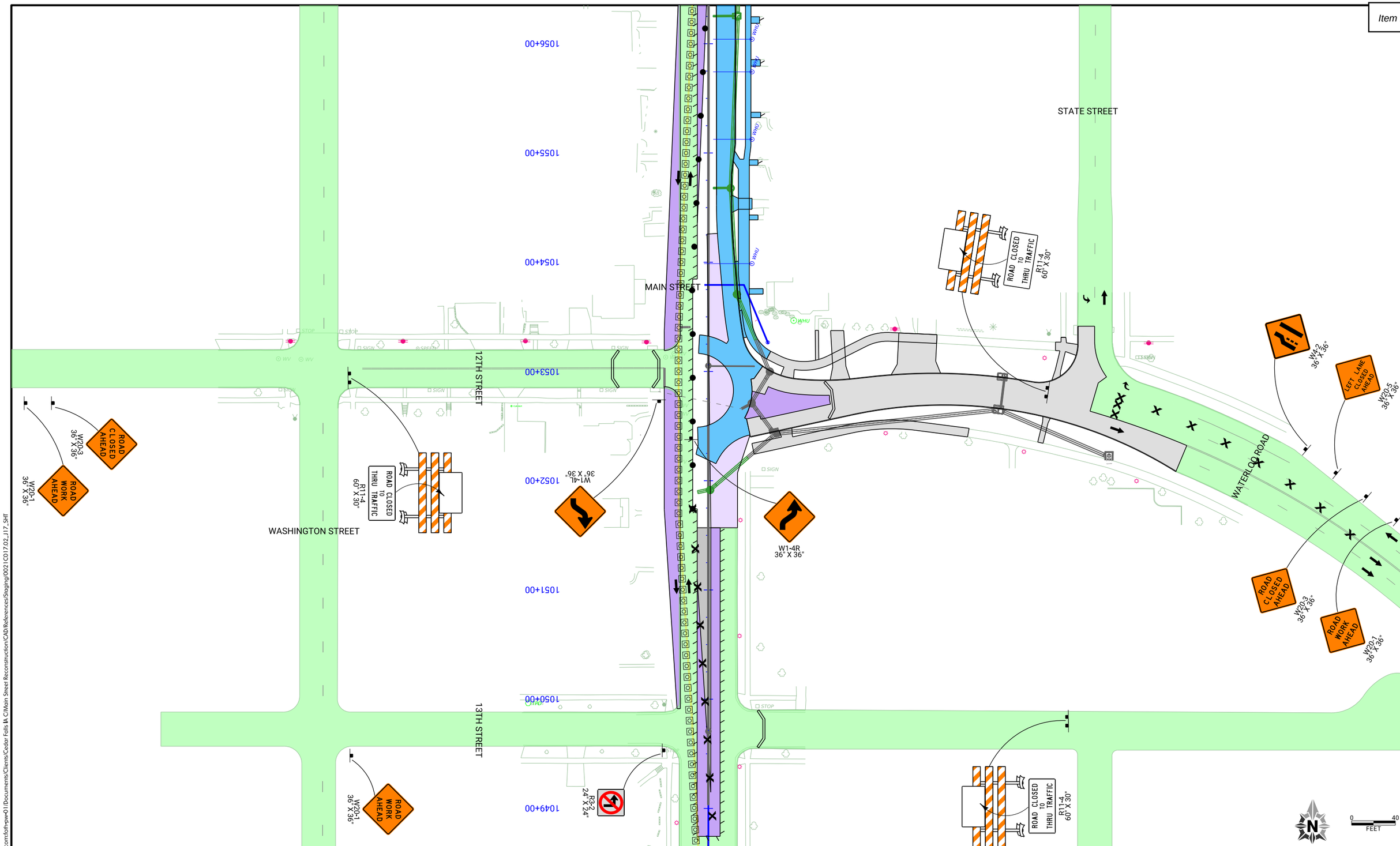

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 3 STAGE 2
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.56
STBG-SWAP-1185(657

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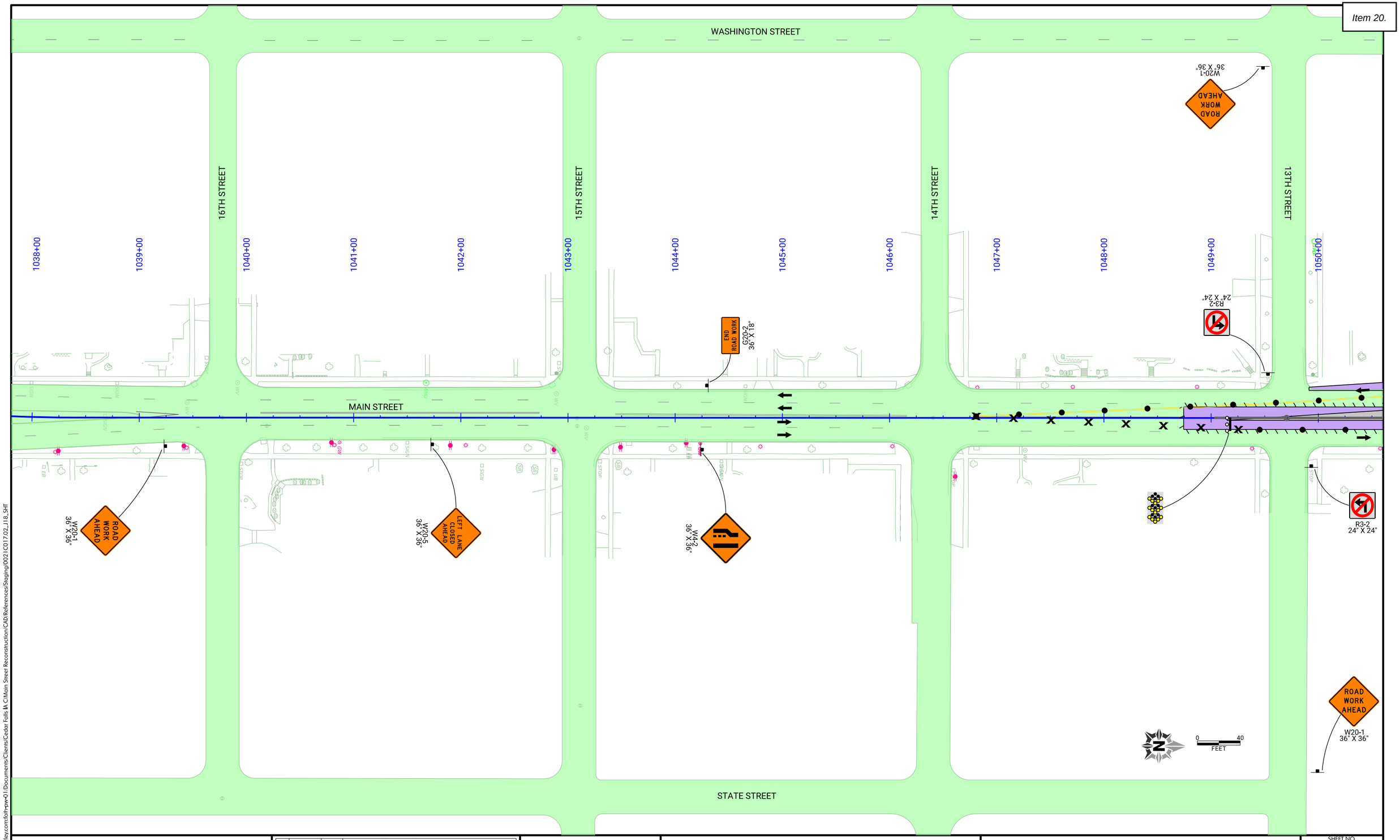

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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LETTING DATE: 11/15/2022	CAD DATE: 8/31/2022	8:44:35 PM	
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 3 STAGE 3
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.57
STBG-SWAP-1185(657

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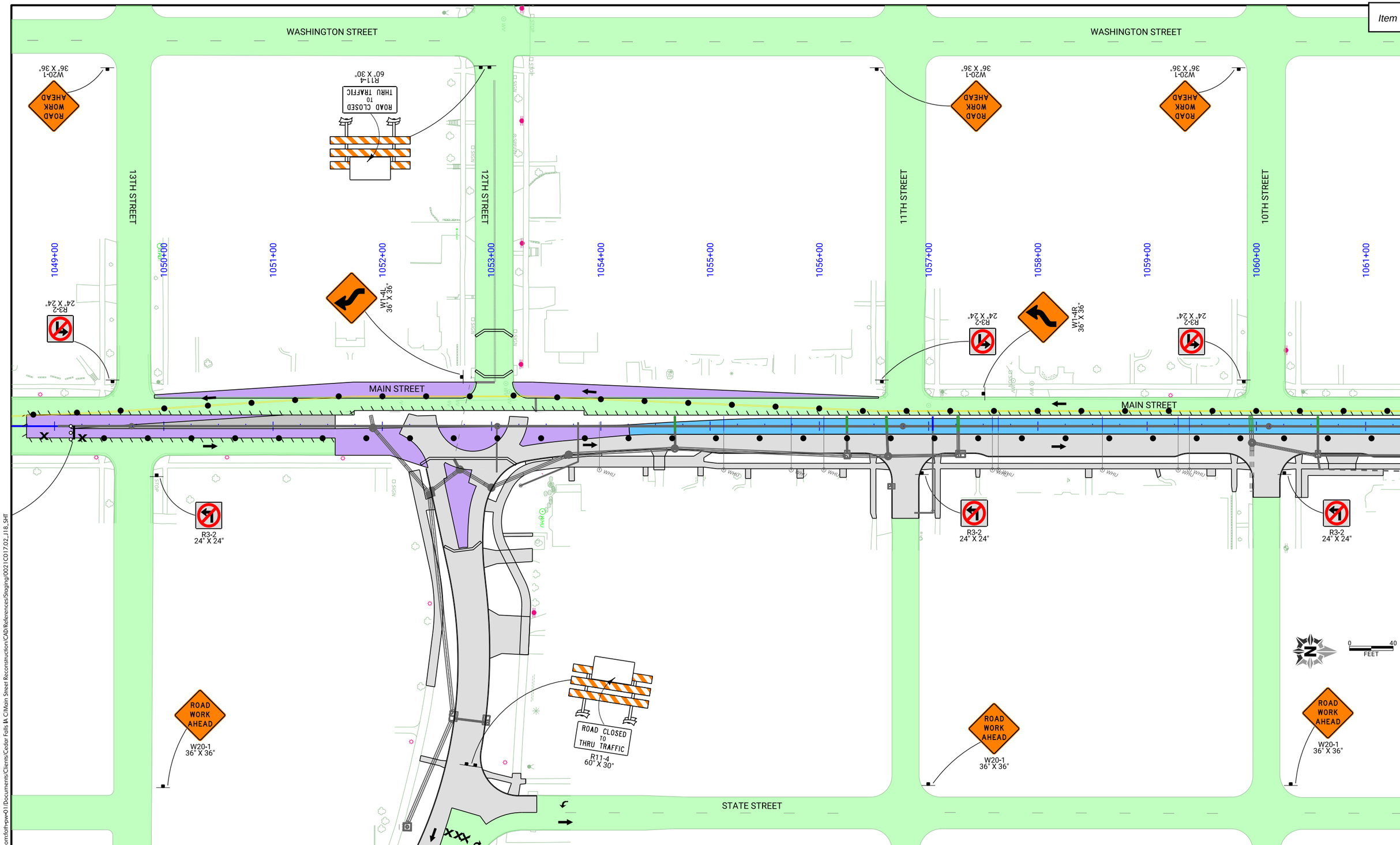

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: C. CARPER	CHECKED BY: A. MONIZA	DRAWN BY: C. CARPER	
LETTING DATE: 11/15/2022	CAD DATE: 8/31/2022	8:45:44 PM	
CAD FILE: c:\pw_workdir\pw_ie\cjc\d0551427\0021C017.02_J18_SHT.dgn			

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 3 STAGE 3
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.58

STBG-SWAP-1185(657

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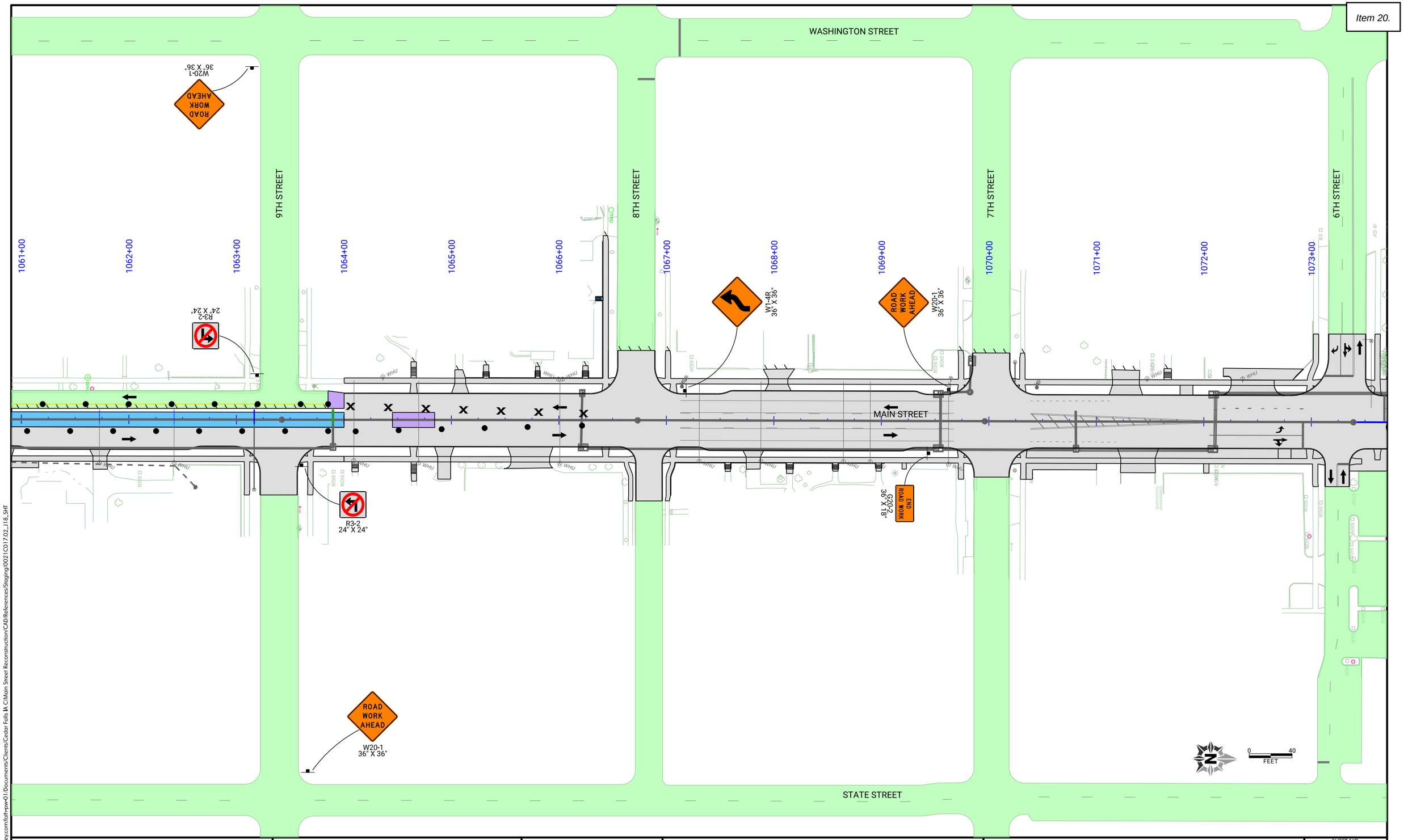

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: C. CARPER	CHECKED BY: A. MONIZA	DRAWN BY: C. CARPER	
LETTING DATE: 11/15/2022	CAD DATE: 8/31/2022	8:46:47 PM	
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 3 STAGE 3
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.59

STBG-SWAP-1185(657

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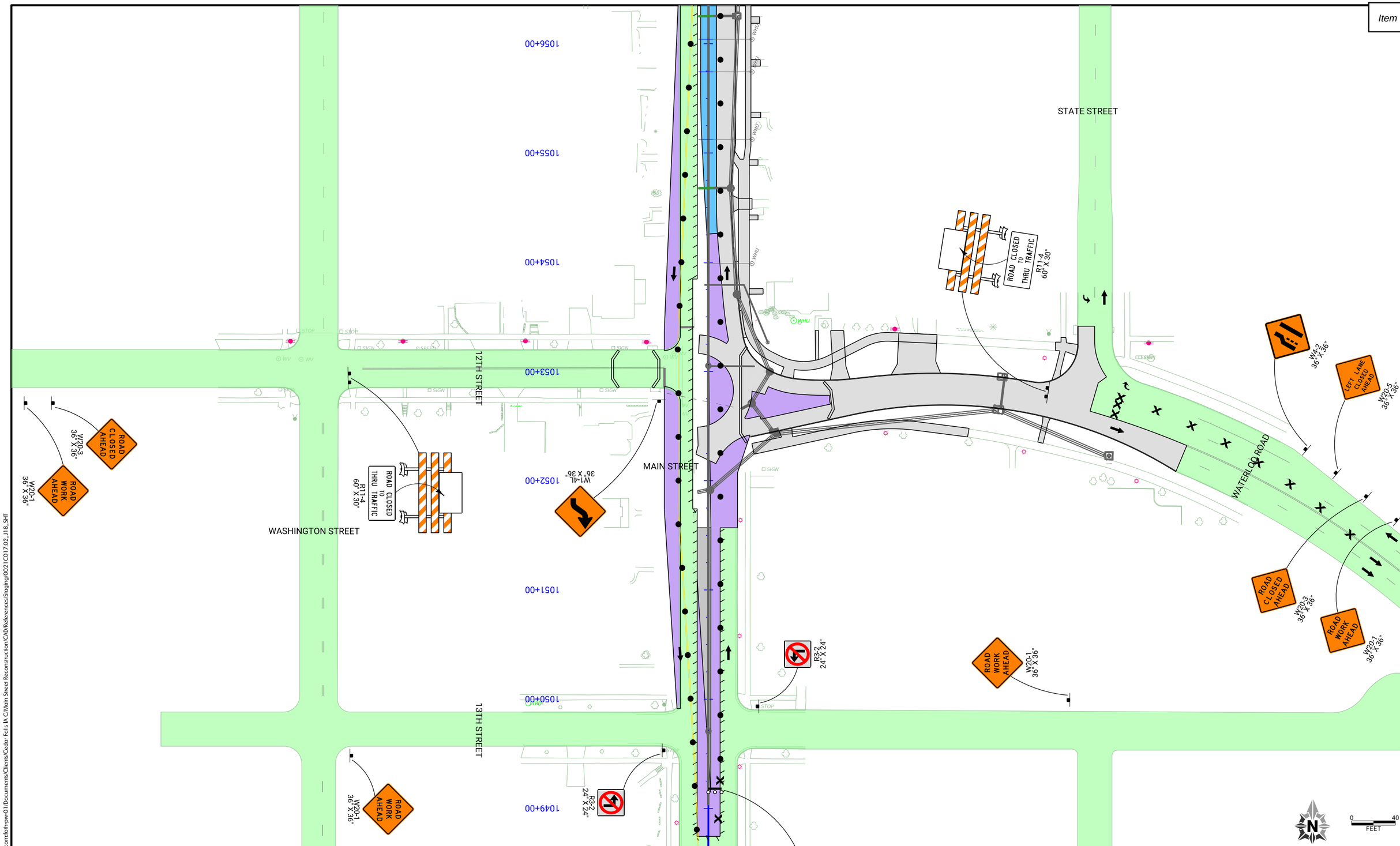

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: C. CARPER	CHECKED BY: A. MONIZA	DRAWN BY: C. CARPER	
LETTING DATE: 11/15/2022	CAD DATE: 8/31/2022	8:48:21 PM	
CAD FILE: c:\pw_workdir\pw_ie\cjc\d0551427\0021C017.02_J18_SHT.dgn			

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 3 STAGE 3
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.60
STBG-SWAP-1185(657

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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: C. CARPER	CHECKED BY: A. MONIZA	DRAWN BY: C. CARPER	
LETTING DATE: 11/15/2022	CAD DATE: 8/31/2022	8:54:03 PM	
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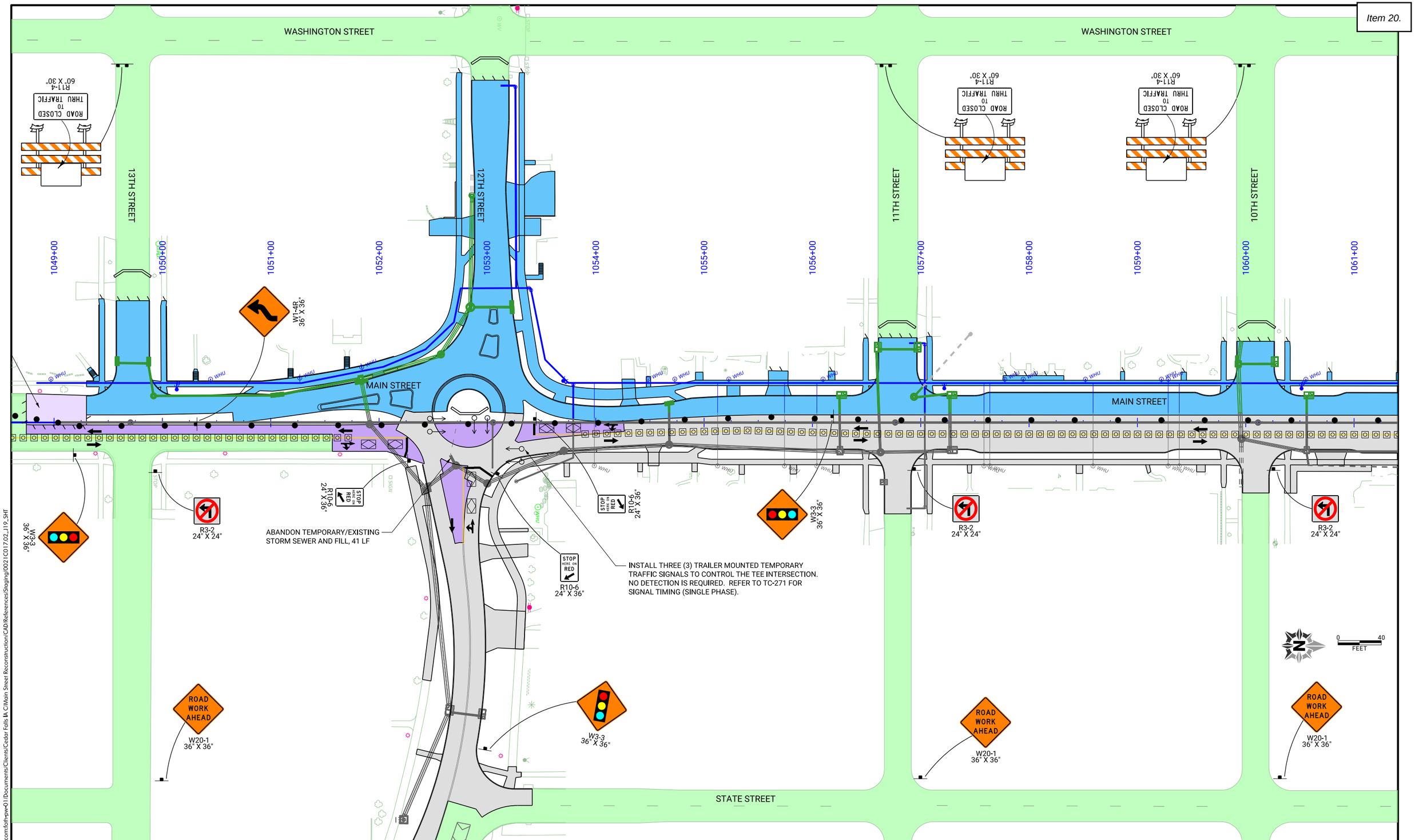
NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 3 STAGE 4
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.61
STBG-SWAP-1185(657



CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: C. CARPER	CHECKED BY: A. MONIZA	DRAWN BY: C. CARPER	
LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022	1:38:19 AM	
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 3 STAGE 4
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.62
STBG-SWAP-1185(657

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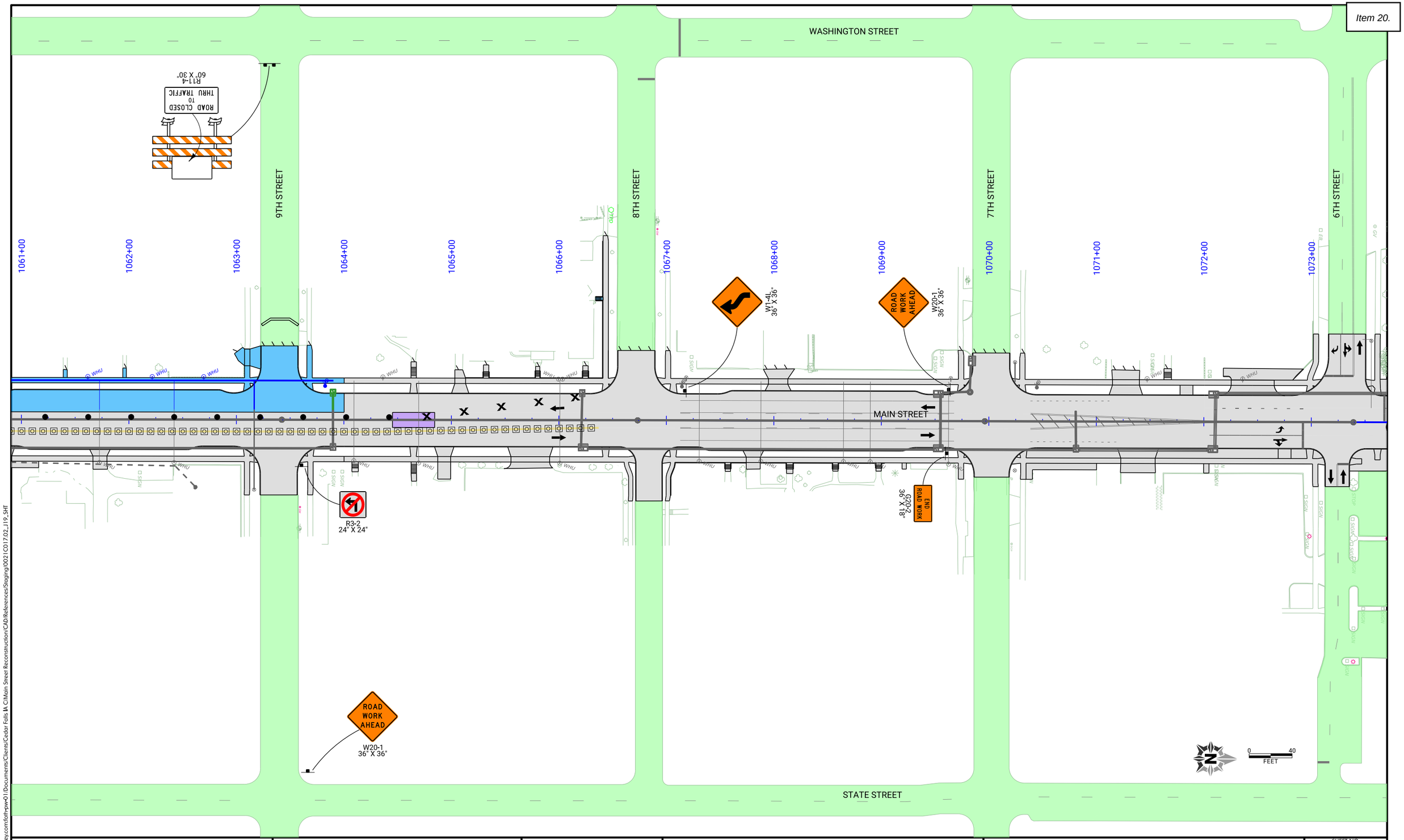

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NO	DATE	BY	REVISION DESCRIPTION

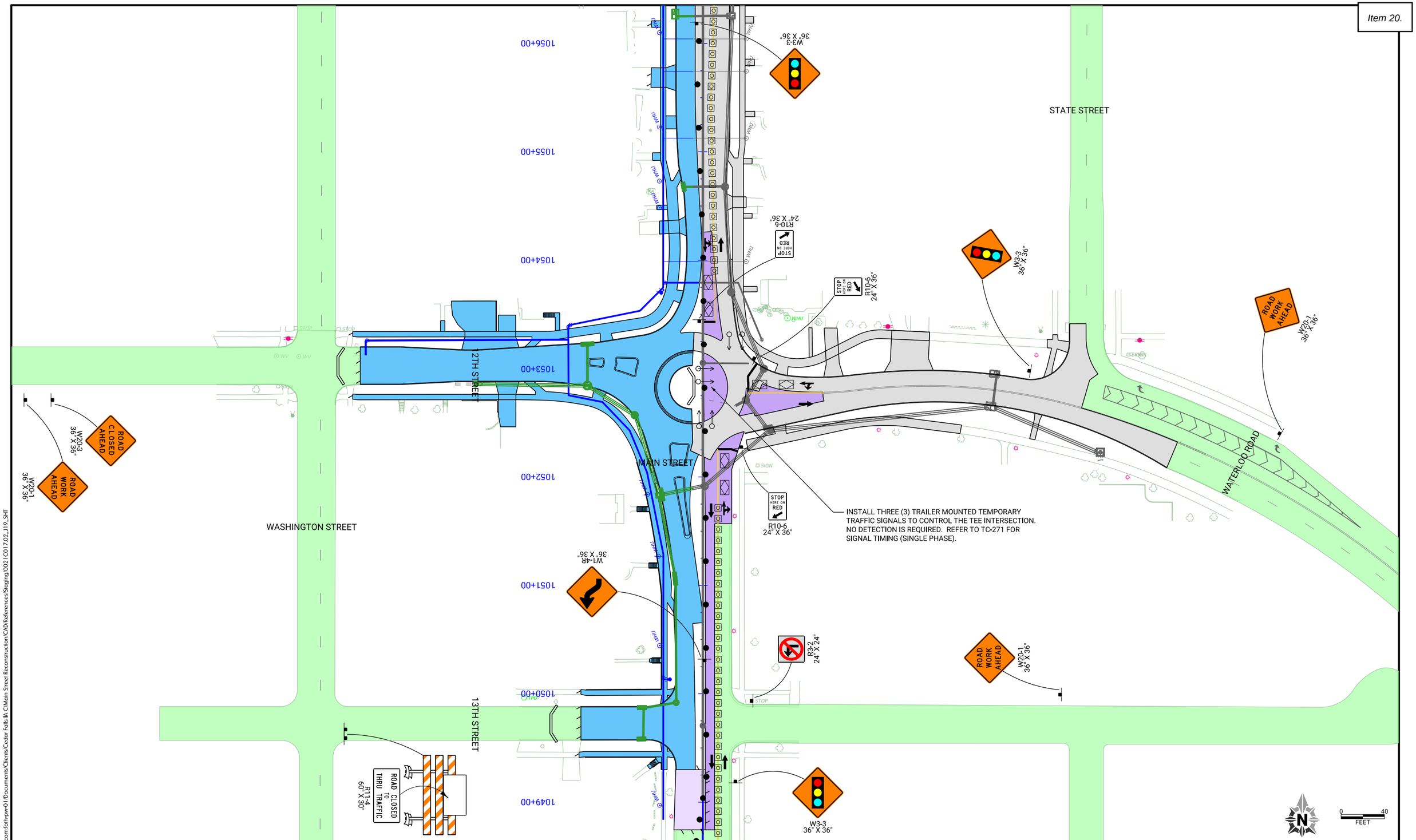
Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 3 STAGE 4
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.63

STBG-SWAP-1185(657



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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 3 STAGE 4
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.64

STBG-SWAP-1185(657)

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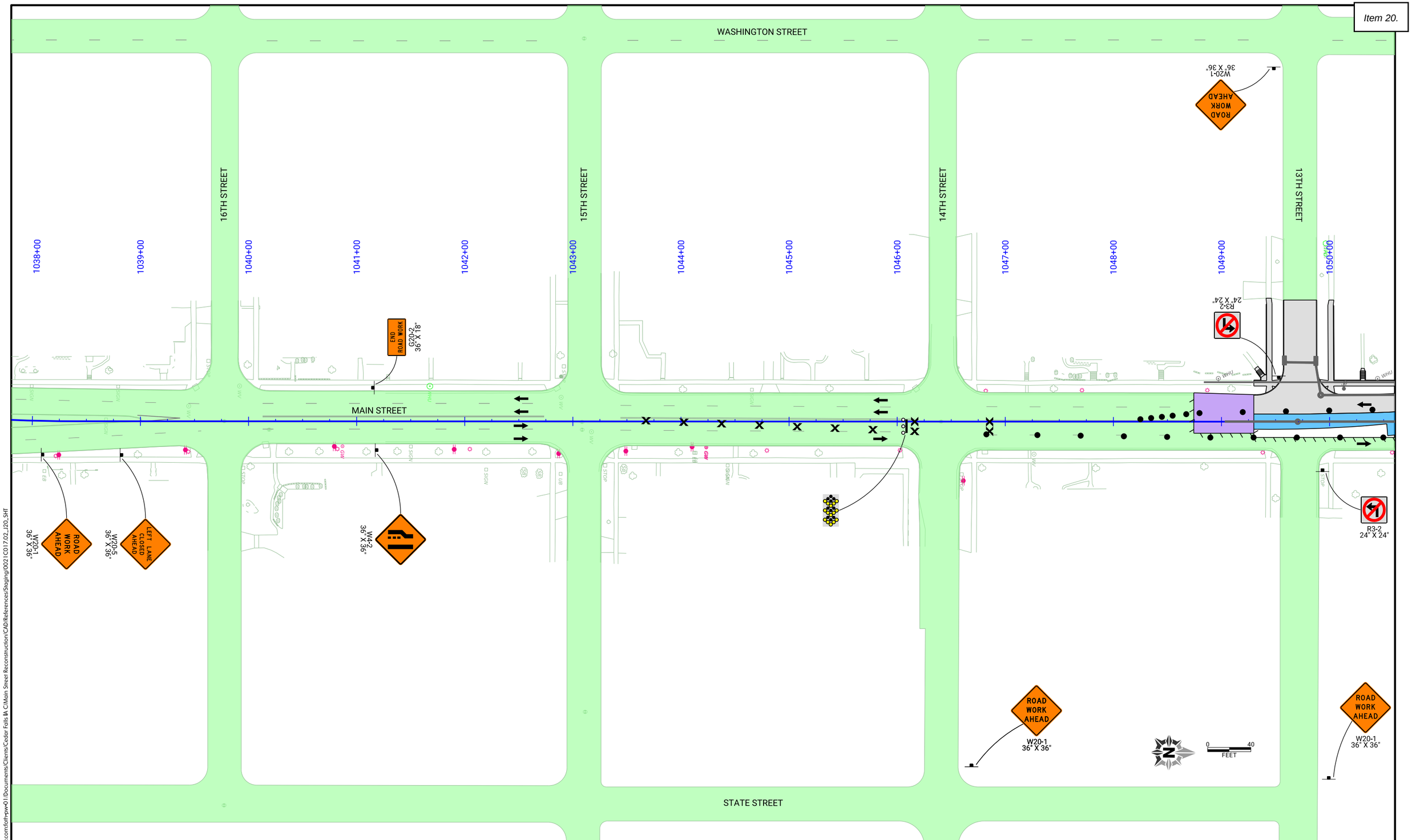

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NO	DATE	BY	REVISION DESCRIPTION

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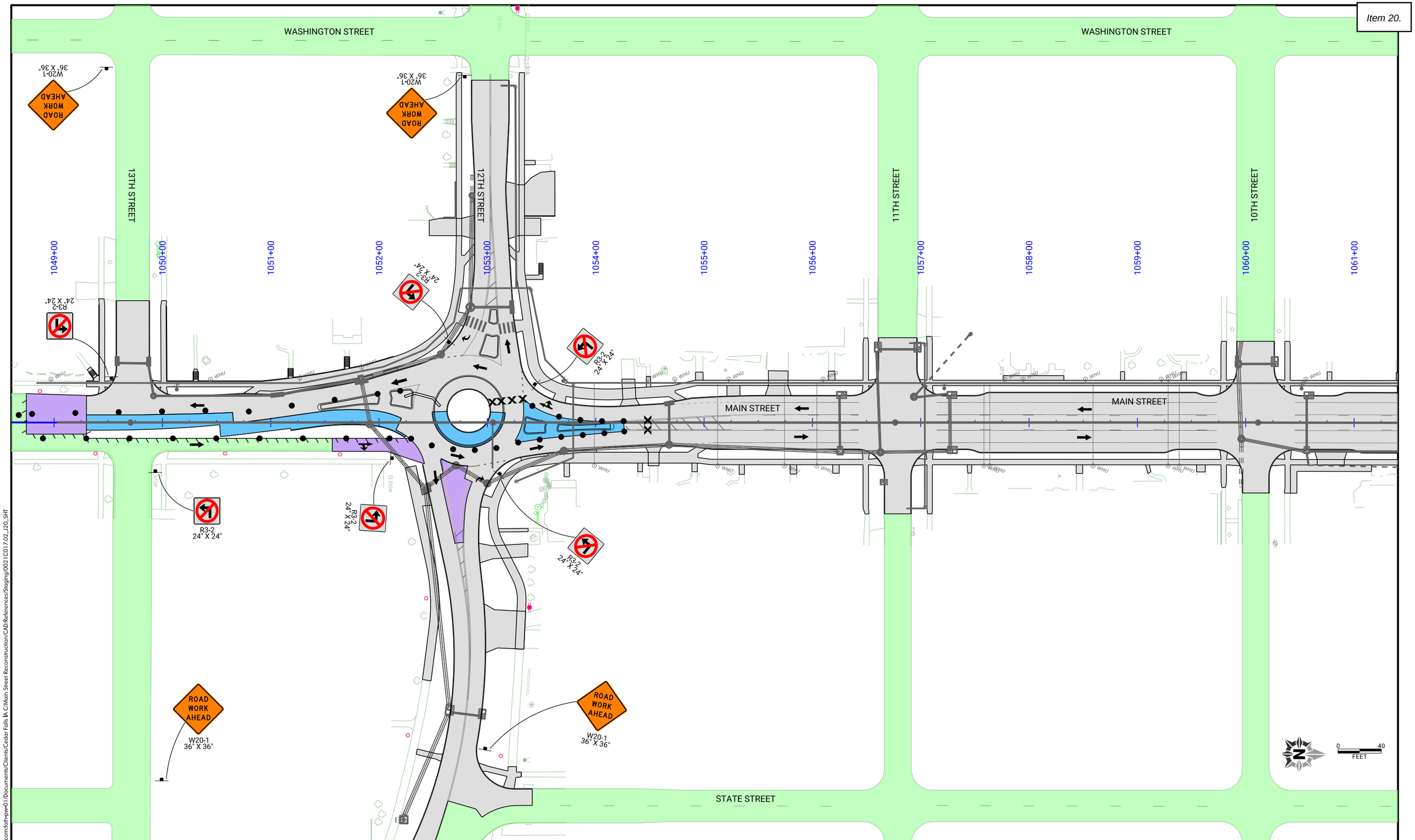
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 3 STAGE 5
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.65
STBG-SWAP-1185(657)



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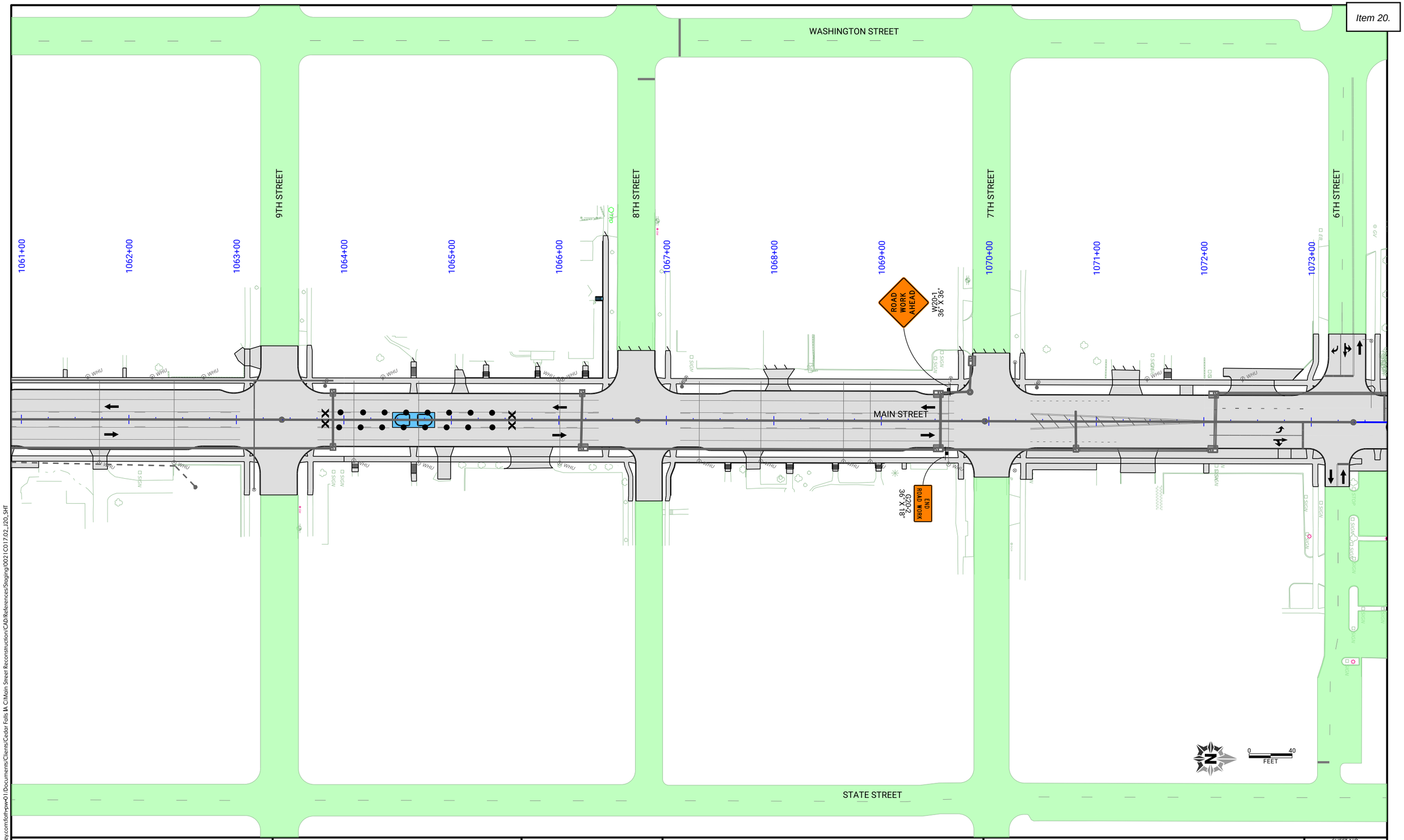
NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 3 STAGE 5
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.66
STBG-SWAP-1185(657



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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 3 STAGE 5
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.67

STBG-SWAP-1185(657

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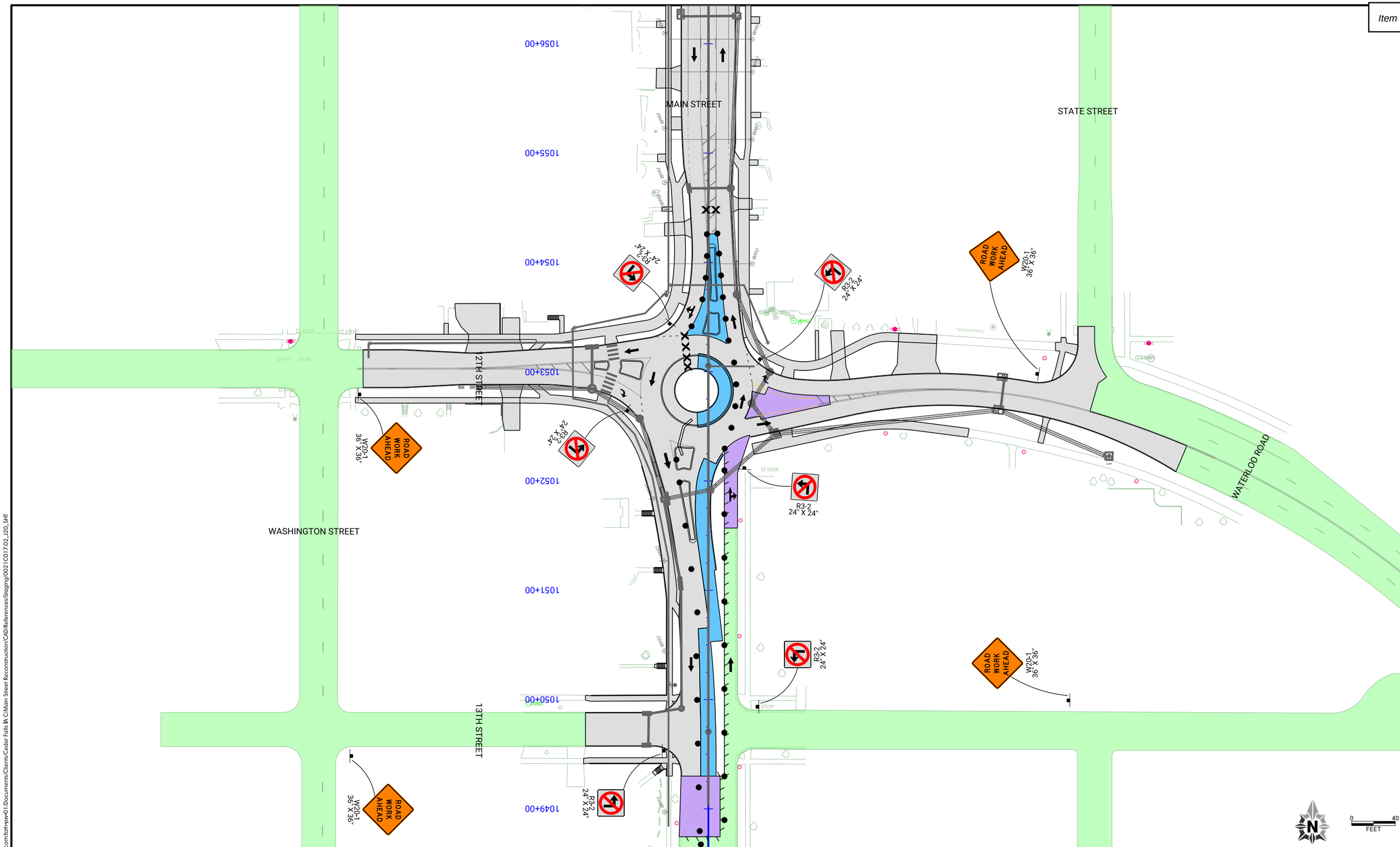

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 3 STAGE 5
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.68
STBG-SWAP-1185(657

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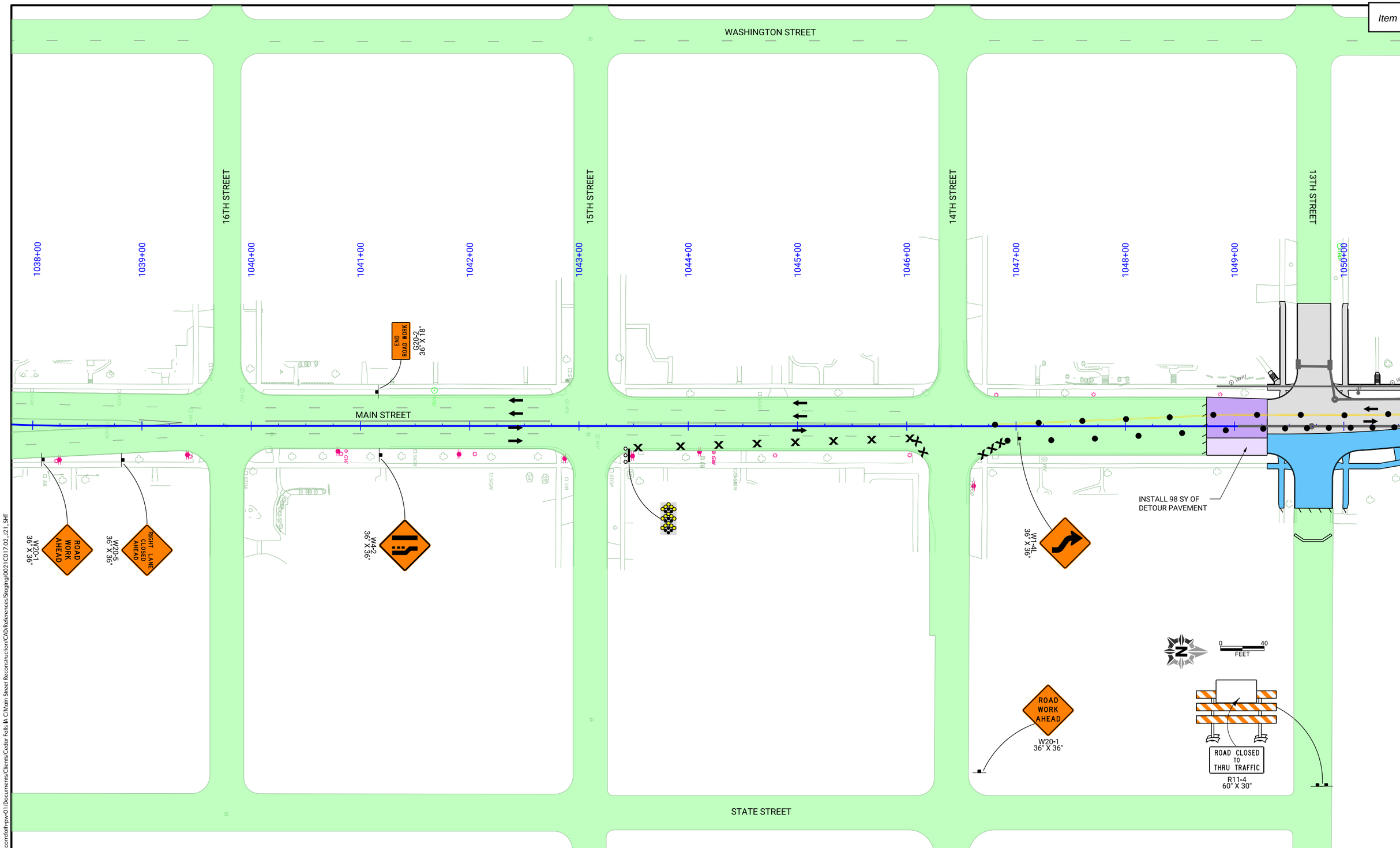

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NO	DATE	BY	REVISION DESCRIPTION

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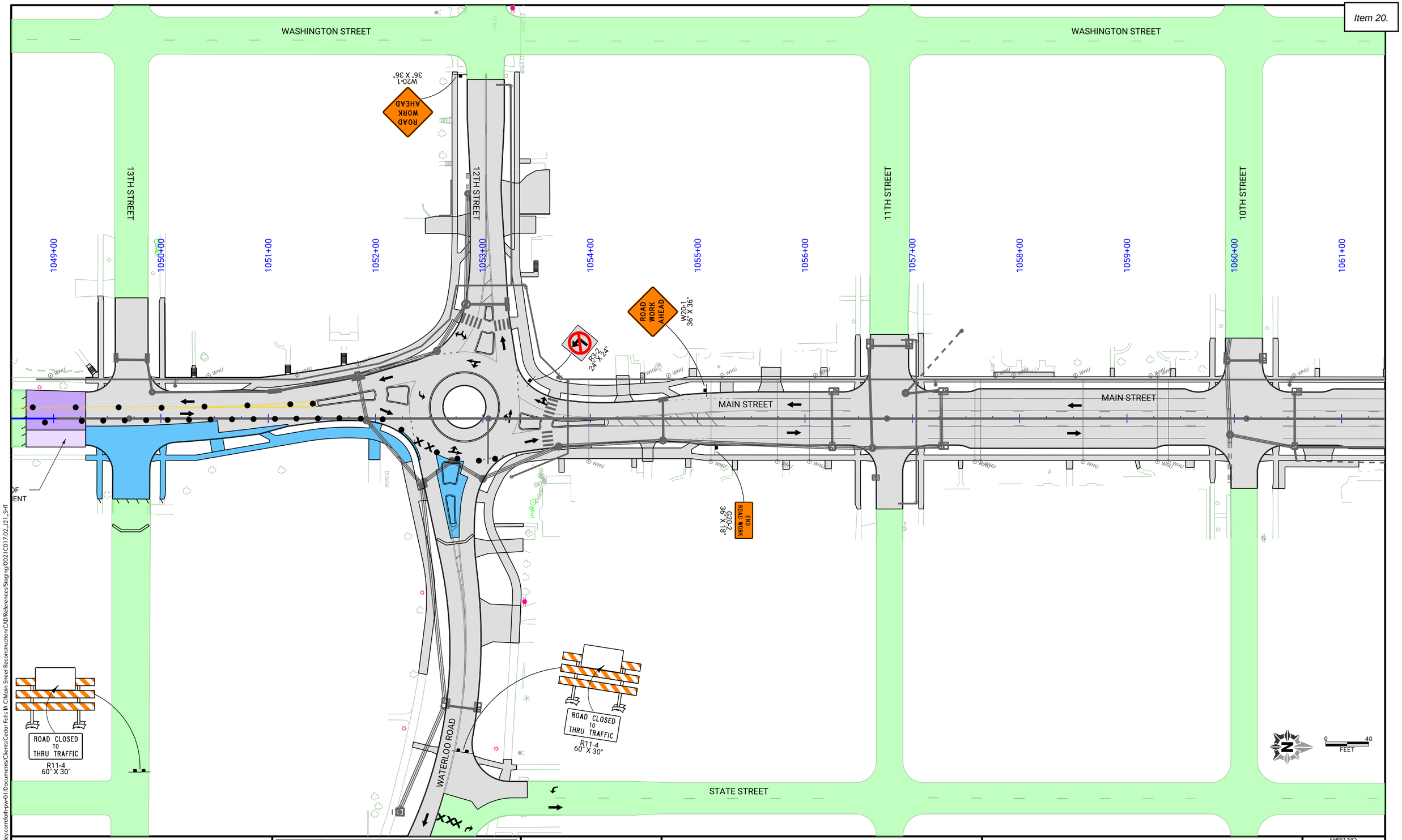
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 3 STAGE 6
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.69



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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 3 STAGE 6
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.70

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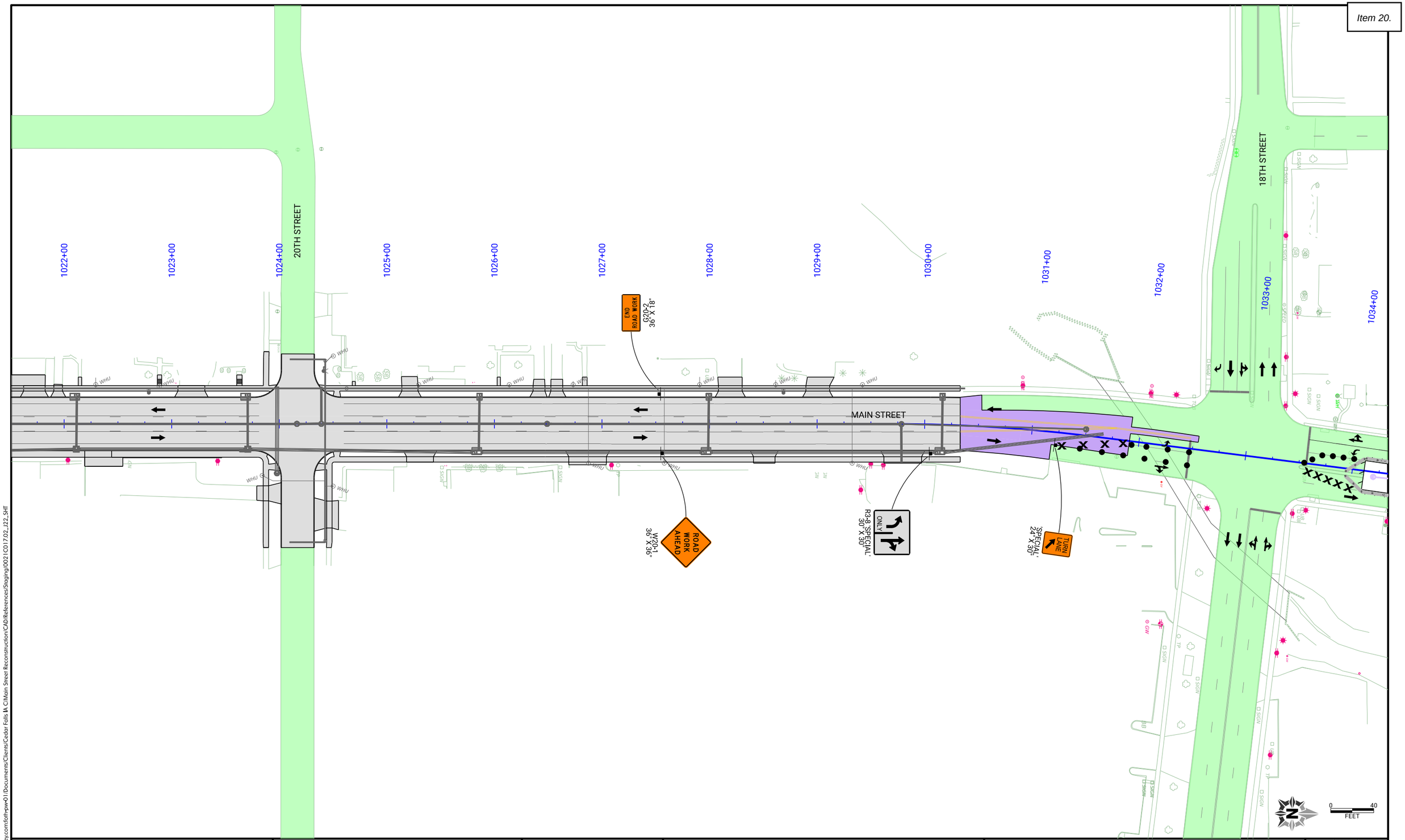

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NO	DATE	BY	REVISION DESCRIPTION

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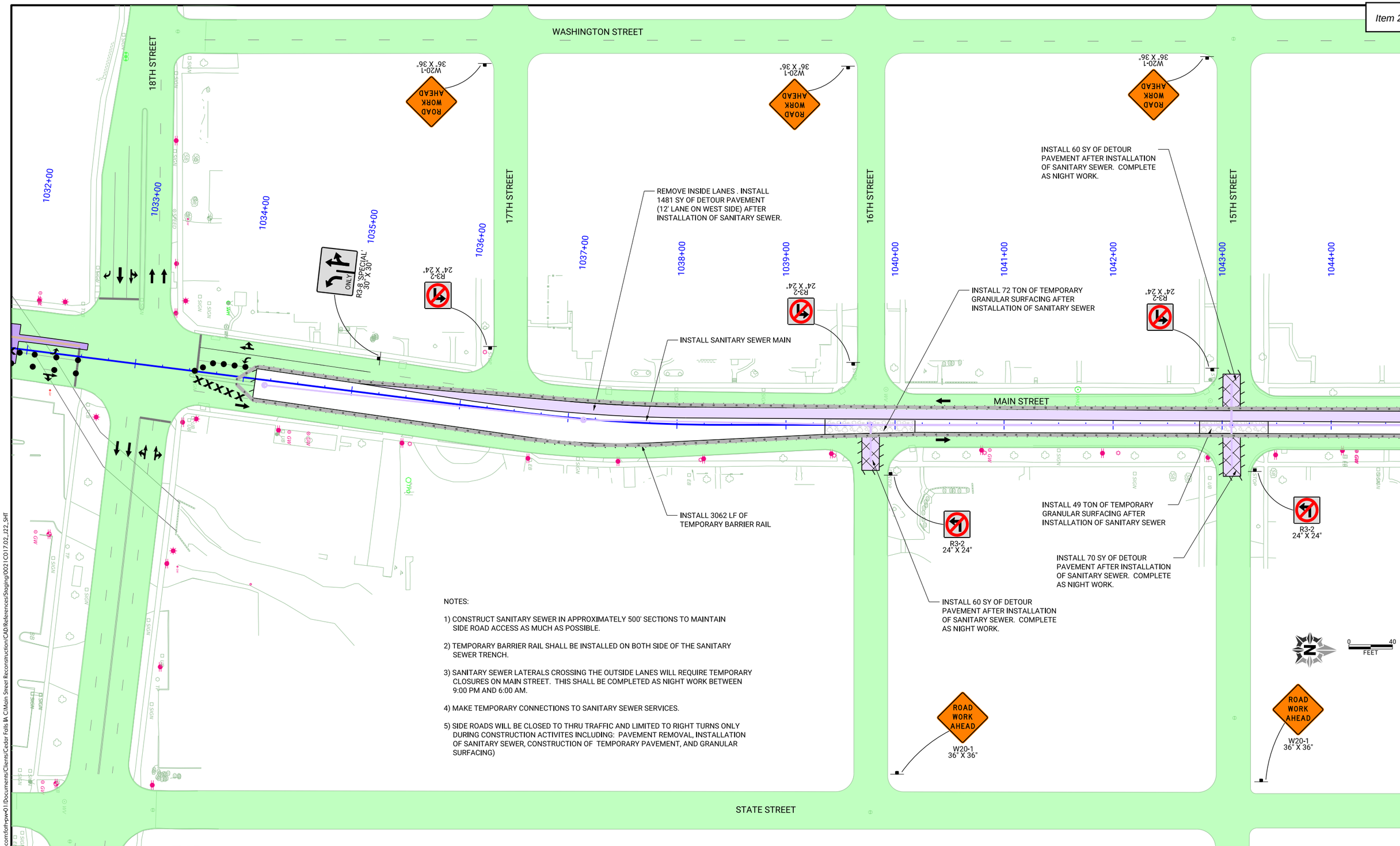
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 4 STAGE 1
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.71
STBG-SWAP-1185(657



NOTES:

1) CONSTRUCT SANITARY SEWER IN APPROXIMATELY 500' SECTIONS TO MAINTAIN SIDE ROAD ACCESS AS MUCH AS POSSIBLE.

2) TEMPORARY BARRIER RAIL SHALL BE INSTALLED ON BOTH SIDE OF THE SANITARY SEWER TRENCH.

3) SANITARY SEWER LATERALS CROSSING THE OUTSIDE LANES WILL REQUIRE TEMPORARY CLOSURES ON MAIN STREET. THIS SHALL BE COMPLETED AS NIGHT WORK BETWEEN 9:00 PM AND 6:00 AM.

4) MAKE TEMPORARY CONNECTIONS TO SANITARY SEWER SERVICES.

5) SIDE ROADS WILL BE CLOSED TO THRU TRAFFIC AND LIMITED TO RIGHT TURNS ONLY DURING CONSTRUCTION ACTIVITES INCLUDING: PAVEMENT REMOVAL, INSTALLATION OF SANITARY SEWER, CONSTRUCTION OF TEMPORARY PAVEMENT, AND GRANULAR SURFACING)

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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07	FOTH PROJECT NO: 0021C017.02		
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NO	DATE	BY	REVISION DESCRIPTION

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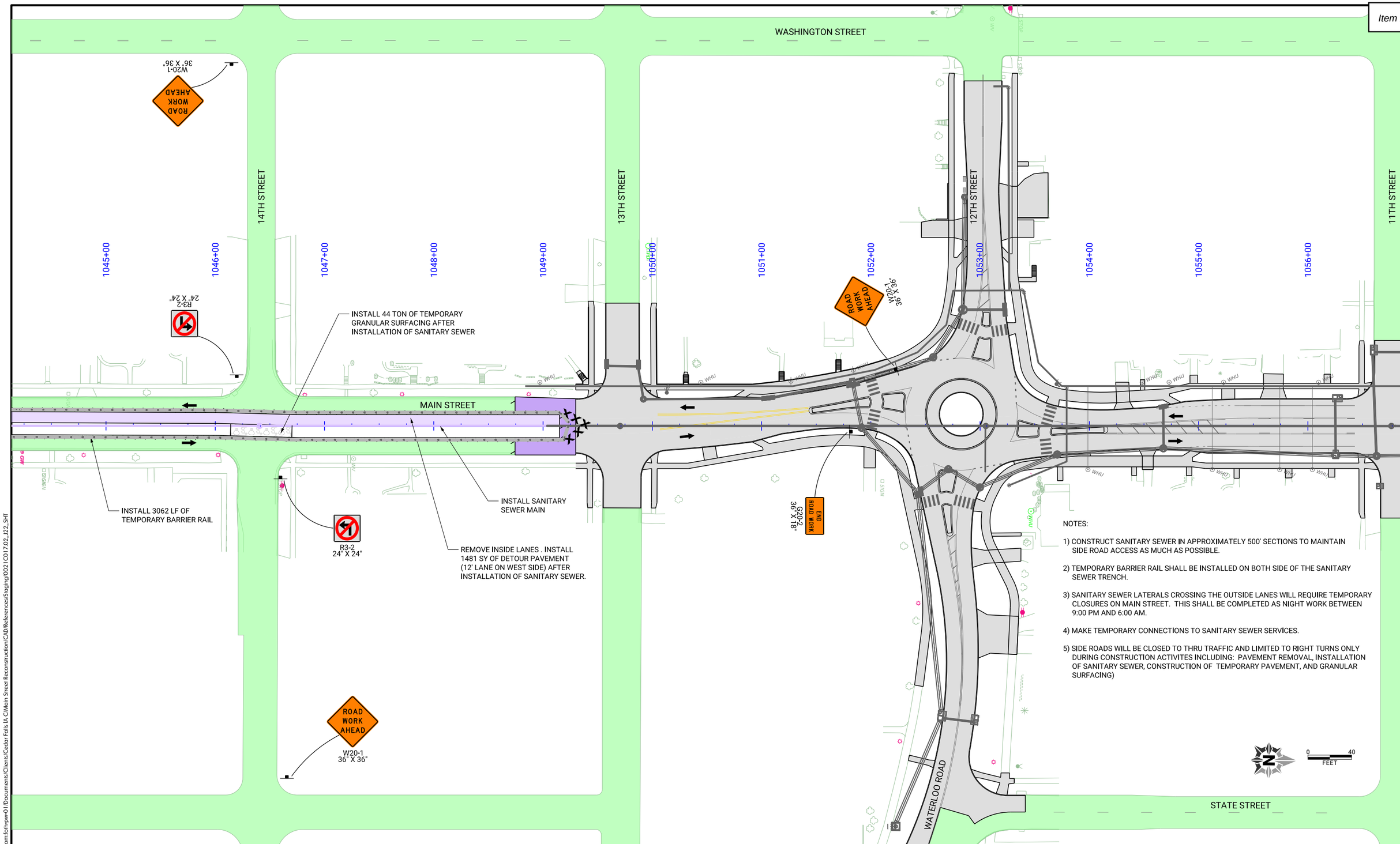
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 4 STAGE 1
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.72
STBG-SWAP-1185(657



NOTES:

1) CONSTRUCT SANITARY SEWER IN APPROXIMATELY 500' SECTIONS TO MAINTAIN SIDE ROAD ACCESS AS MUCH AS POSSIBLE.

2) TEMPORARY BARRIER RAIL SHALL BE INSTALLED ON BOTH SIDE OF THE SANITARY SEWER TRENCH.

3) SANITARY SEWER LATERALS CROSSING THE OUTSIDE LANES WILL REQUIRE TEMPORARY CLOSURES ON MAIN STREET. THIS SHALL BE COMPLETED AS NIGHT WORK BETWEEN 9:00 PM AND 6:00 AM.

4) MAKE TEMPORARY CONNECTIONS TO SANITARY SEWER SERVICES.

5) SIDE ROADS WILL BE CLOSED TO THRU TRAFFIC AND LIMITED TO RIGHT TURNS ONLY DURING CONSTRUCTION ACTIVITES INCLUDING: PAVEMENT REMOVAL, INSTALLATION OF SANITARY SEWER, CONSTRUCTION OF TEMPORARY PAVEMENT, AND GRANULAR SURFACING)

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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
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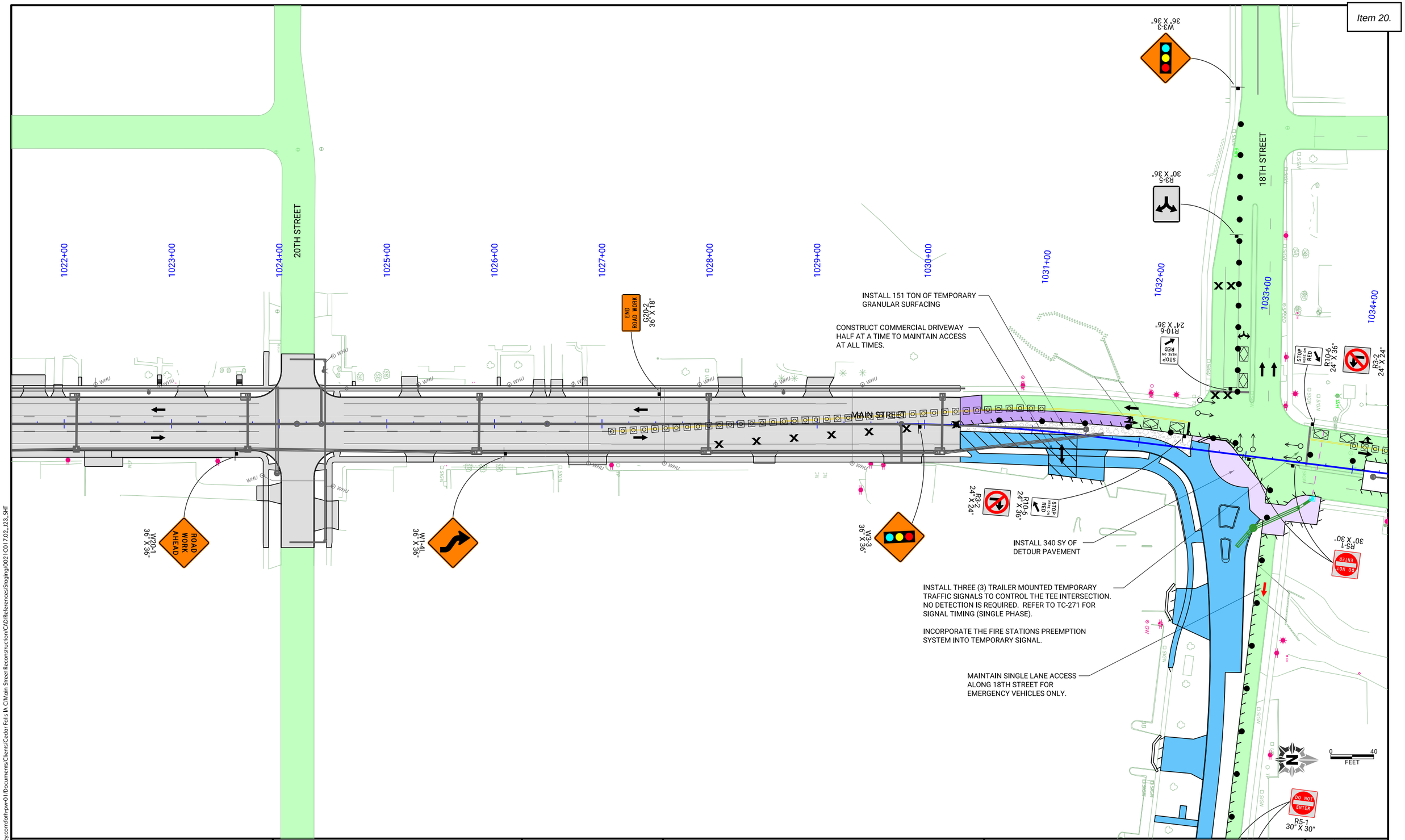
NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 4 STAGE 1
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.73
STBG-SWAP-1185(657



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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 4 STAGE 2
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.74

STBG-SWAP-1185(657

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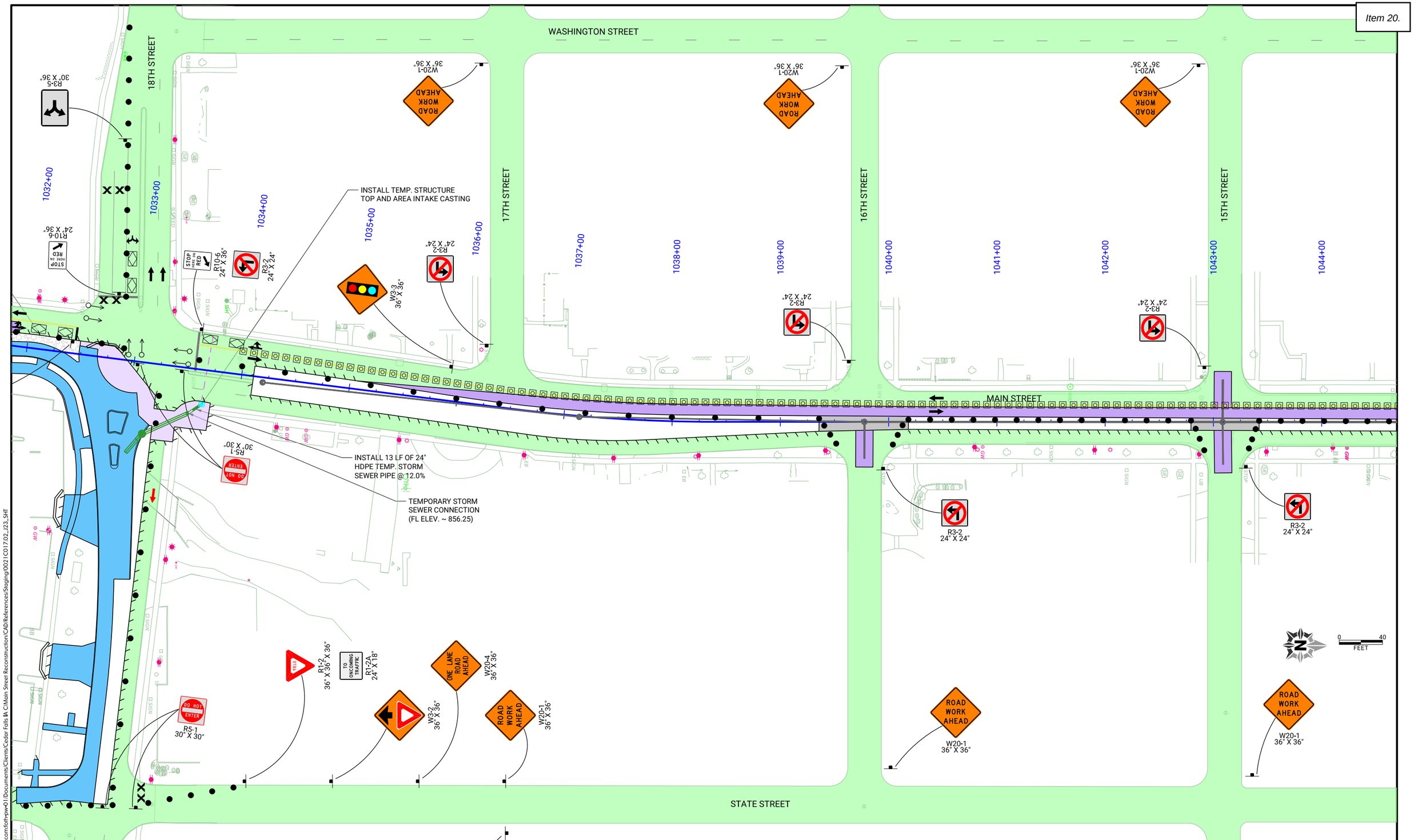

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 4 STAGE 2
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.75
STBG-SWAP-1185(657

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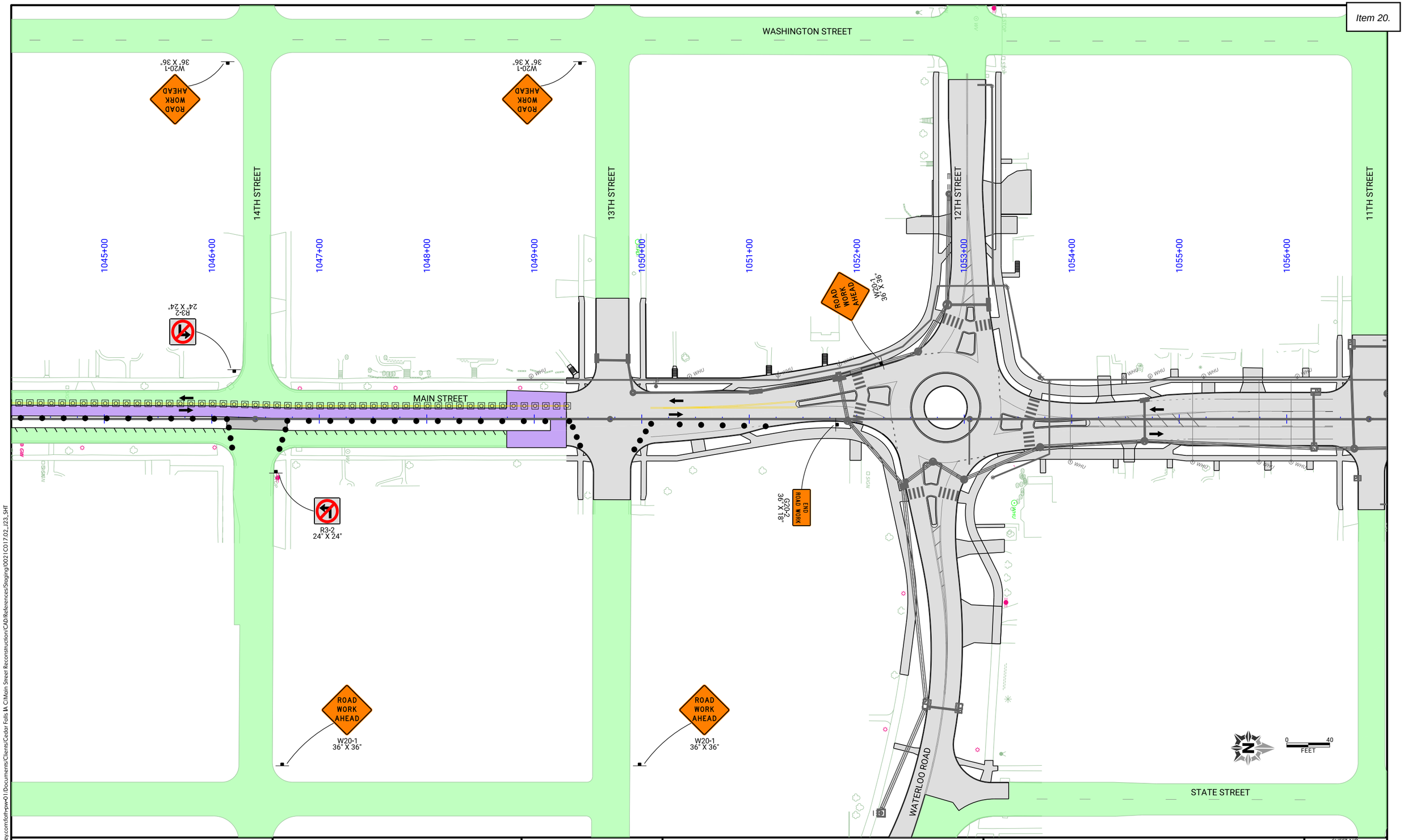

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 4 STAGE 2
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.76

STBG-SWAP-1185(657

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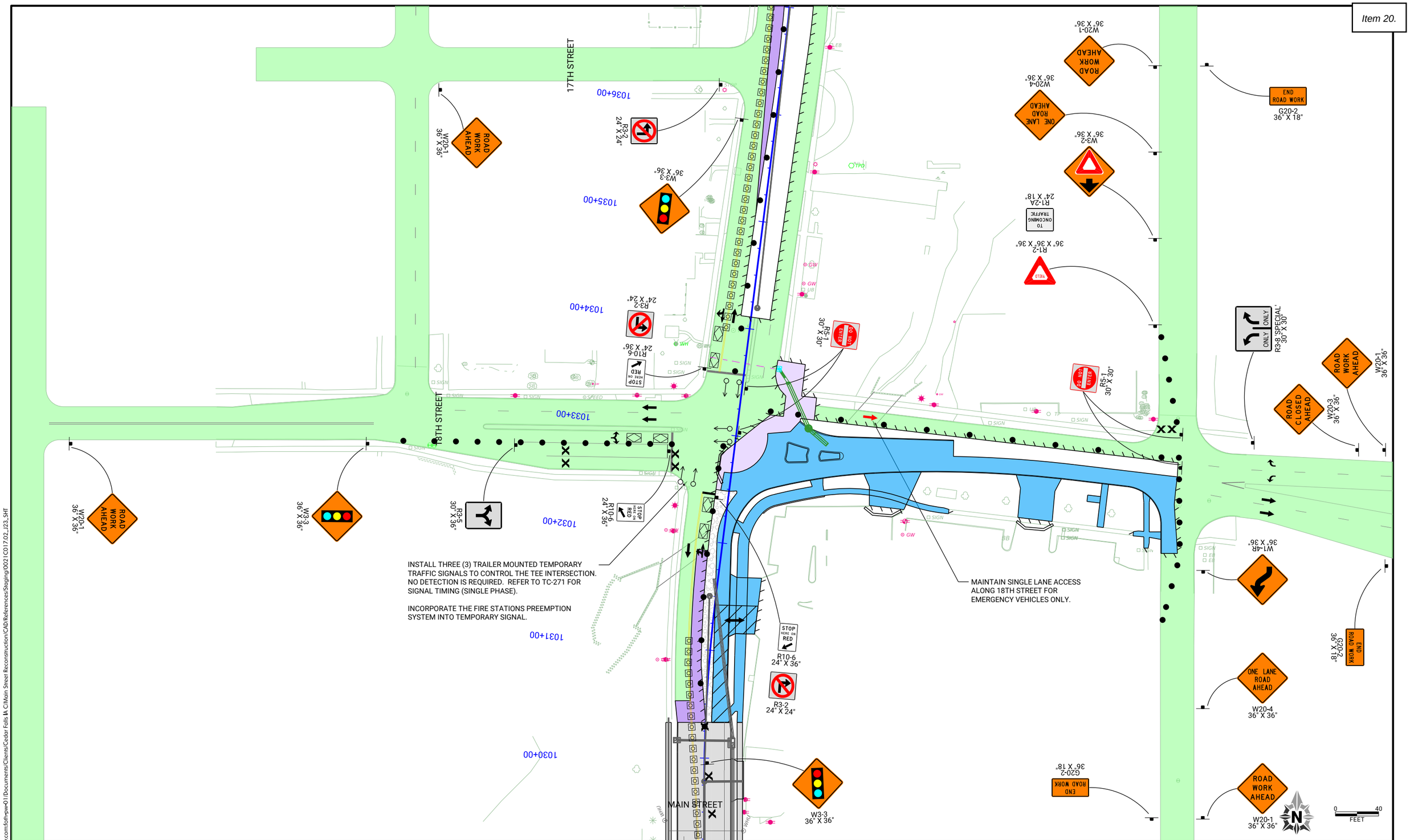

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 4 STAGE 2
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.77

STBG-SWAP-1185(657)

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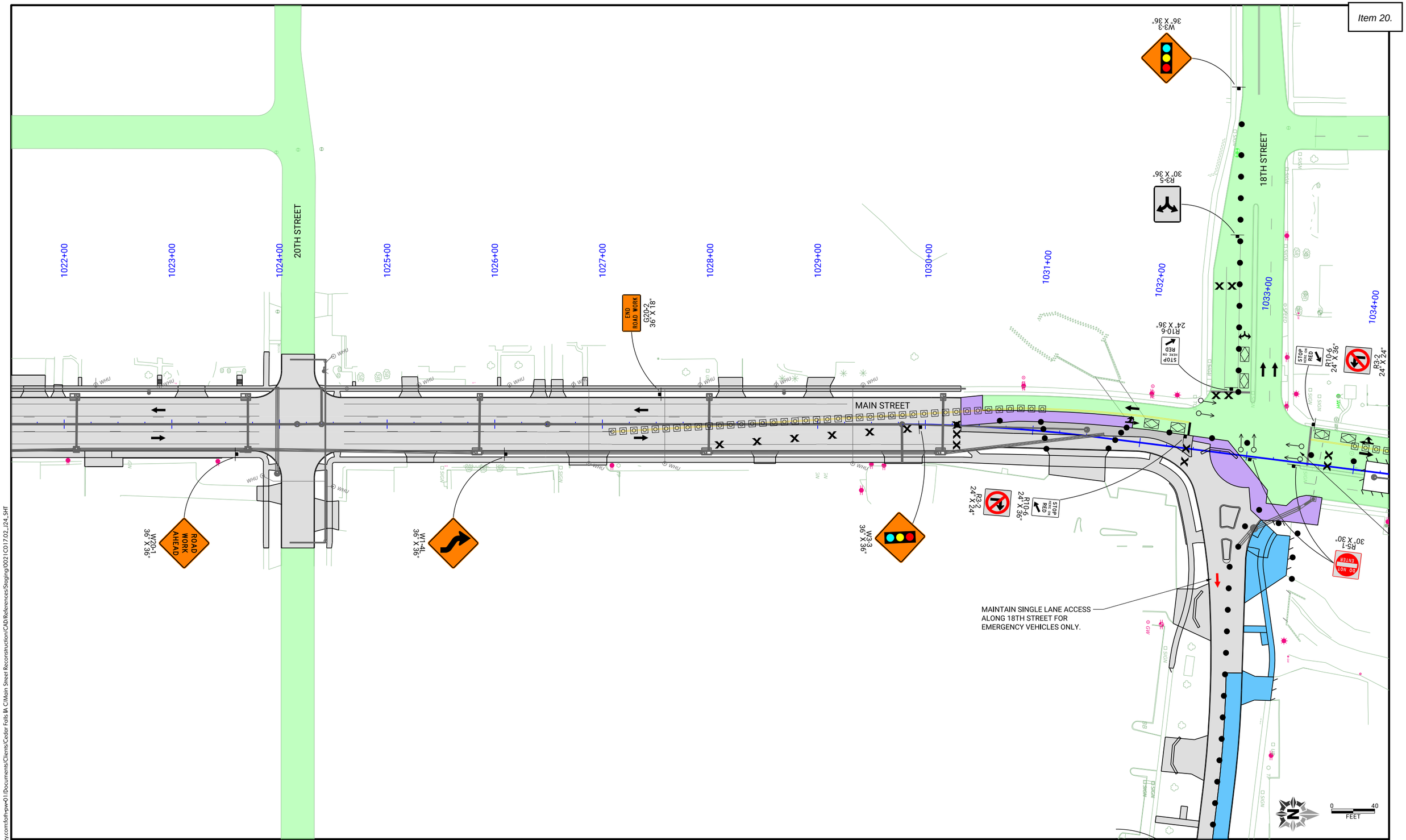

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 4 STAGE 3
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.78

STBG-SWAP-1185(657

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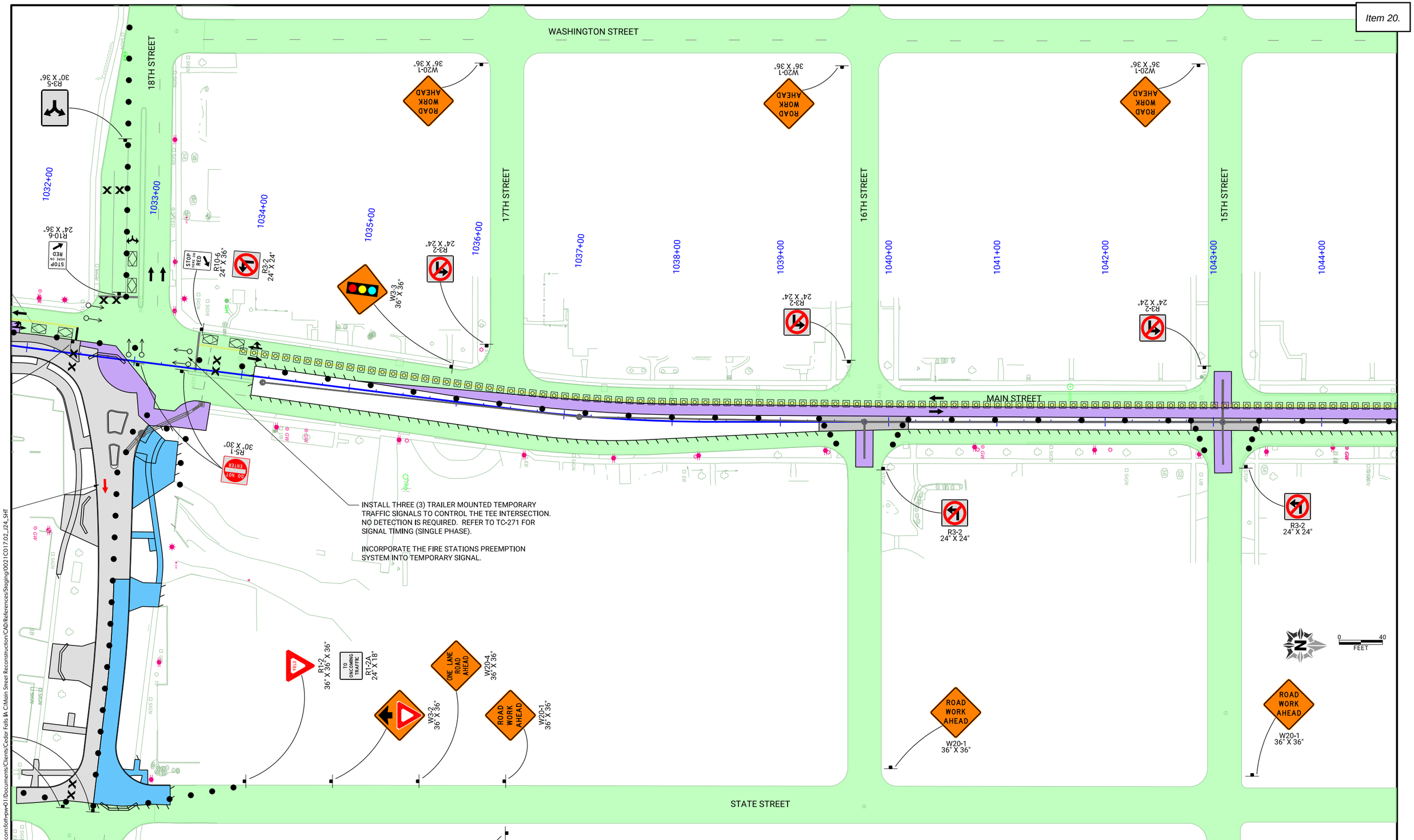

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NO	DATE	BY	REVISION DESCRIPTION

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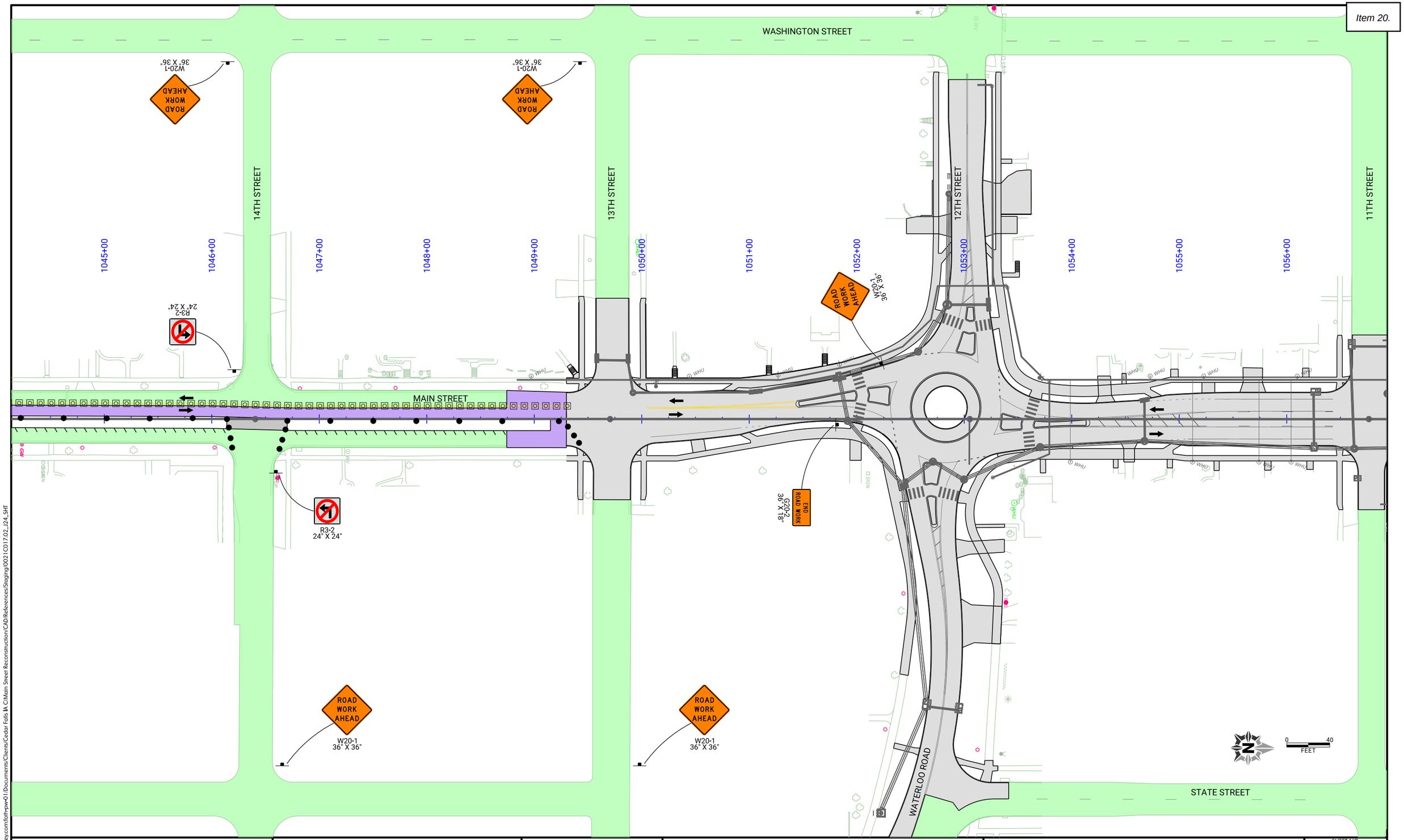
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 4 STAGE 3
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.79
STBG-SWAP-1185(657



CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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LETTING DATE: 11/15/2022	CAD DATE: 8/31/2022	9:53:14 PM	
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 4 STAGE 3
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.80

STBG-SWAP-1185(657

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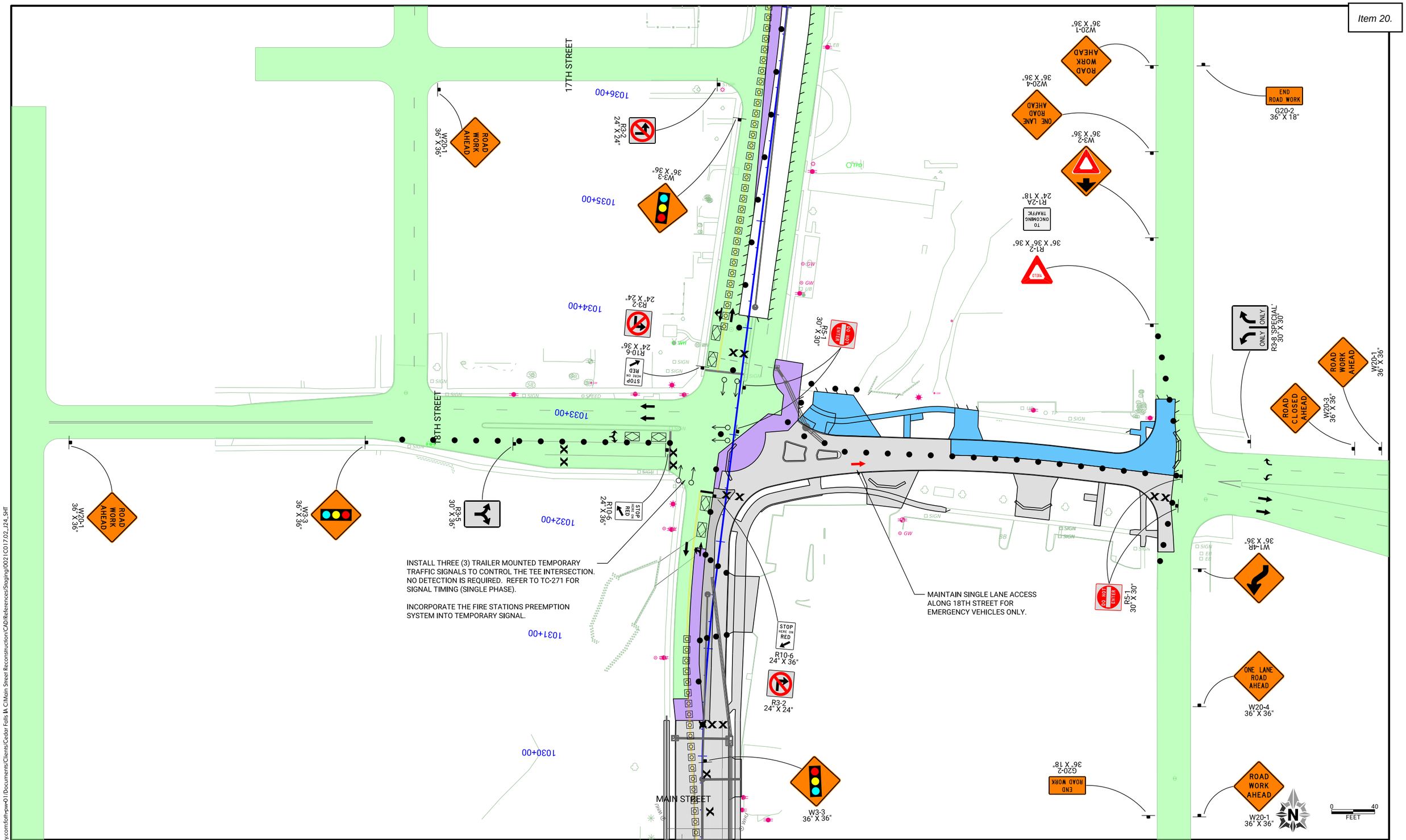

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CLIENT PROJECT NO:	STBG-SWAP-1185(657)--SG--07
FOTH PROJECT NO:	0021C017.02
DESIGNED BY:	C. CARPER
CHECKED BY:	A. MONIZA
DRAWN BY:	C. CARPER
LETTING DATE:	11/15/2022
CAD DATE:	8/31/2022 9:54:51 PM
CAD FILE:	c:\pw_workdir\pw_ie\cjc\d0551427\0021C017.02_J24_SHT.dgn

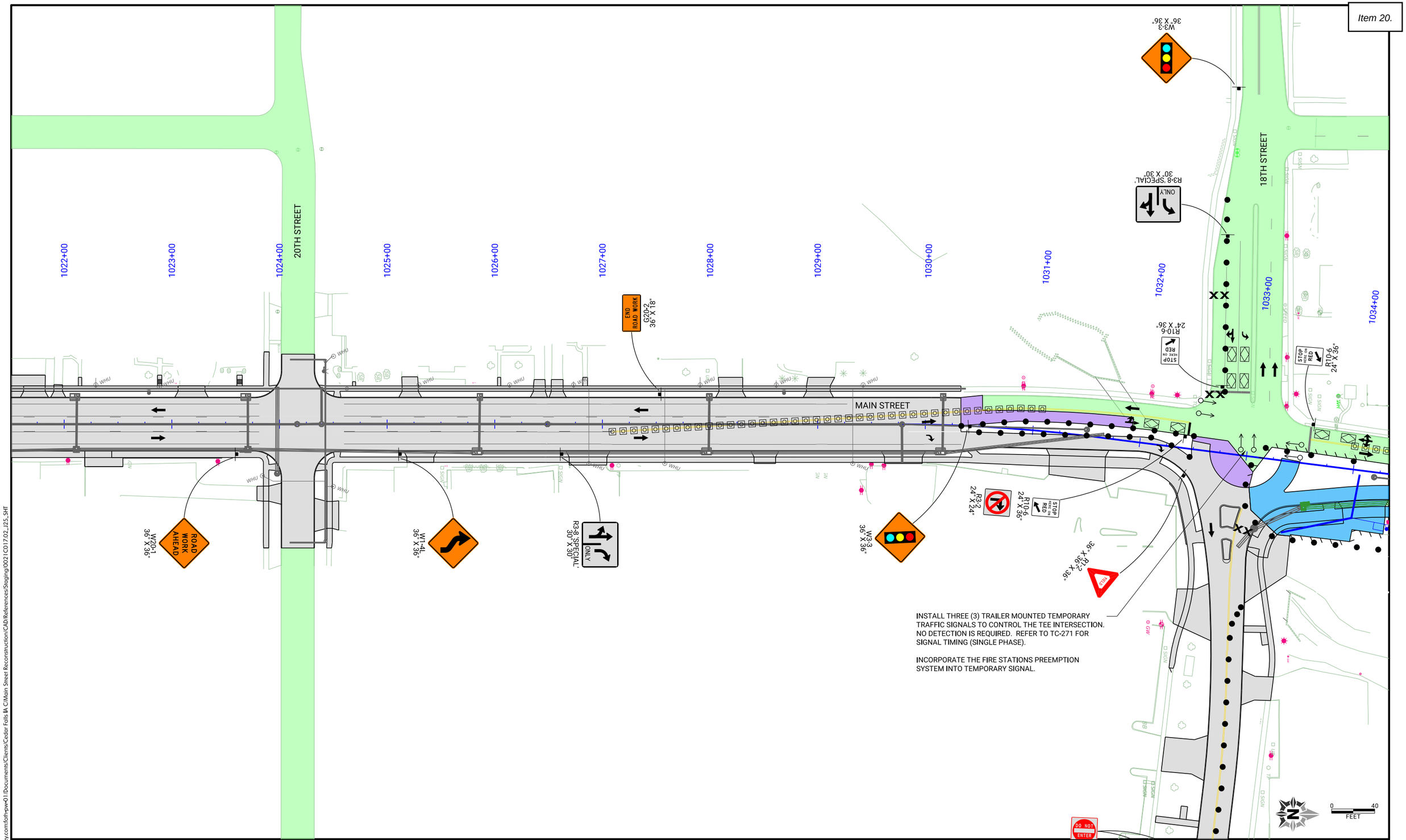
NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 4 STAGE 3
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.81



INSTALL THREE (3) TRAILER MOUNTED TEMPORARY TRAFFIC SIGNALS TO CONTROL THE TEE INTERSECTION. NO DETECTION IS REQUIRED. REFER TO TC-271 FOR SIGNAL TIMING (SINGLE PHASE).

INCORPORATE THE FIRE STATIONS PREEMPTION SYSTEM INTO TEMPORARY SIGNAL.

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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07	FOTH PROJECT NO: 0021C017.02		
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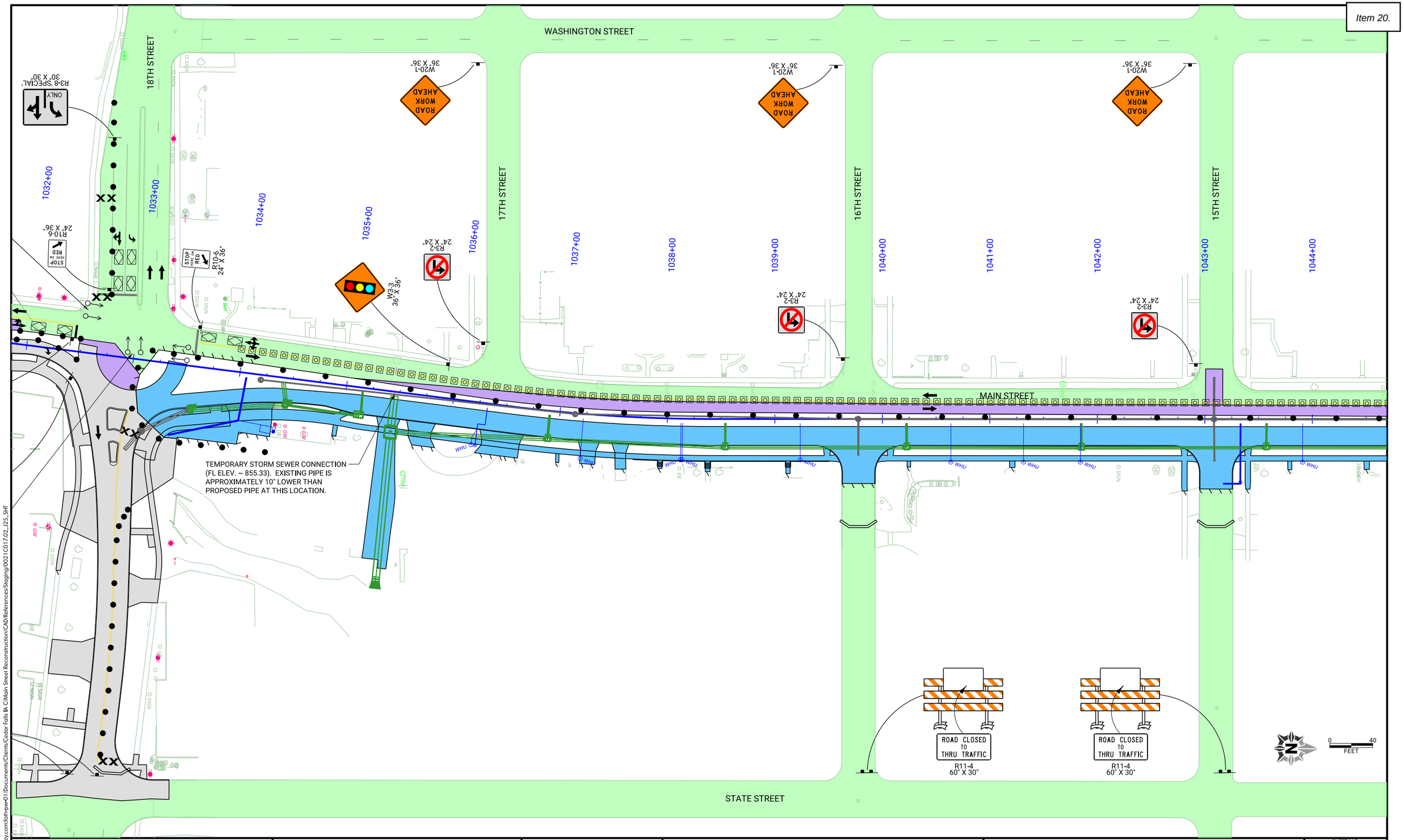
NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 4 STAGE 4
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.82
STBG-SWAP-1185(657



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NO	DATE	BY	REVISION DESCRIPTION

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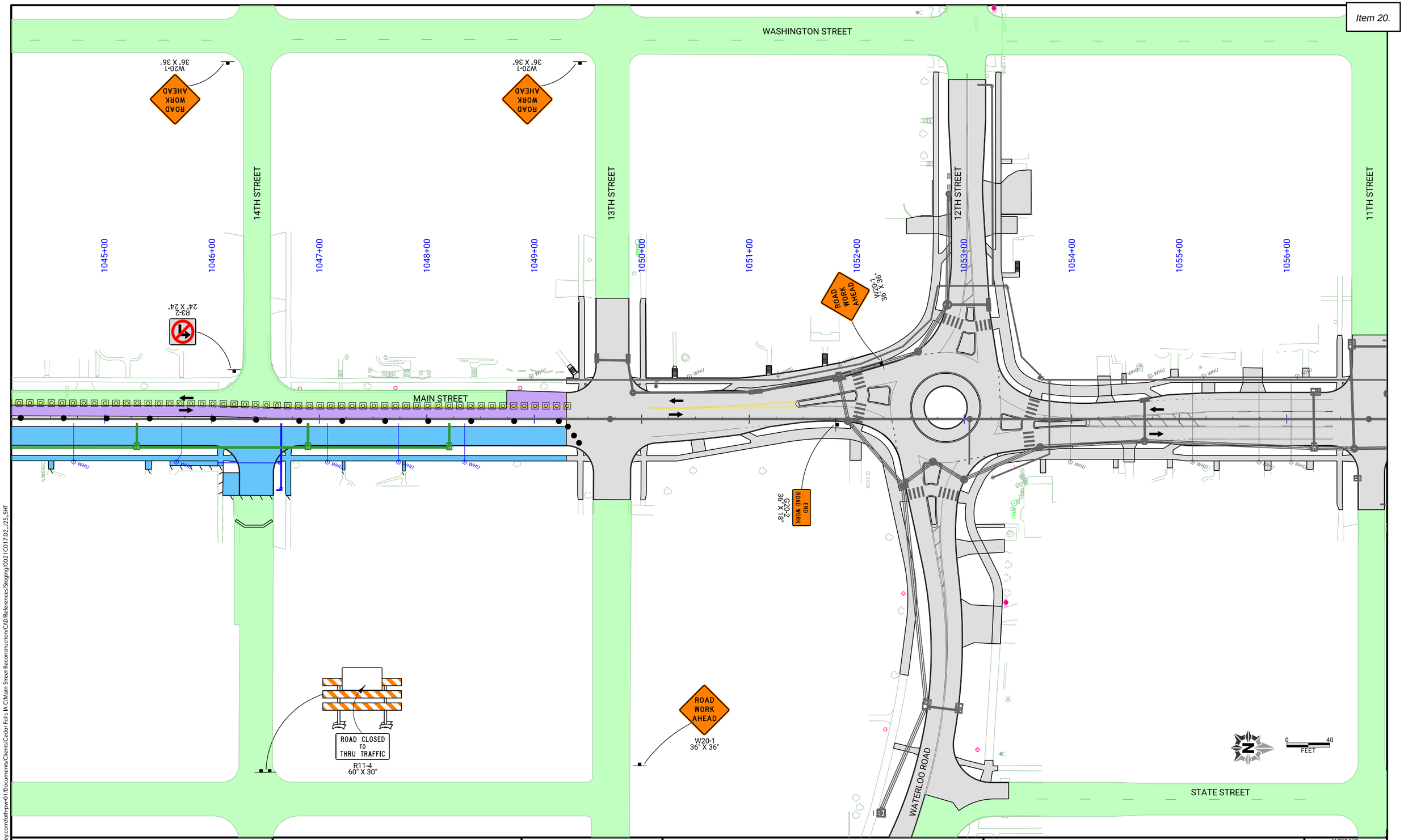
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 4 STAGE 4
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.83
STBG-SWAP-1185(657)



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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 4 STAGE 4
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.84

STBG-SWAP-1185(657

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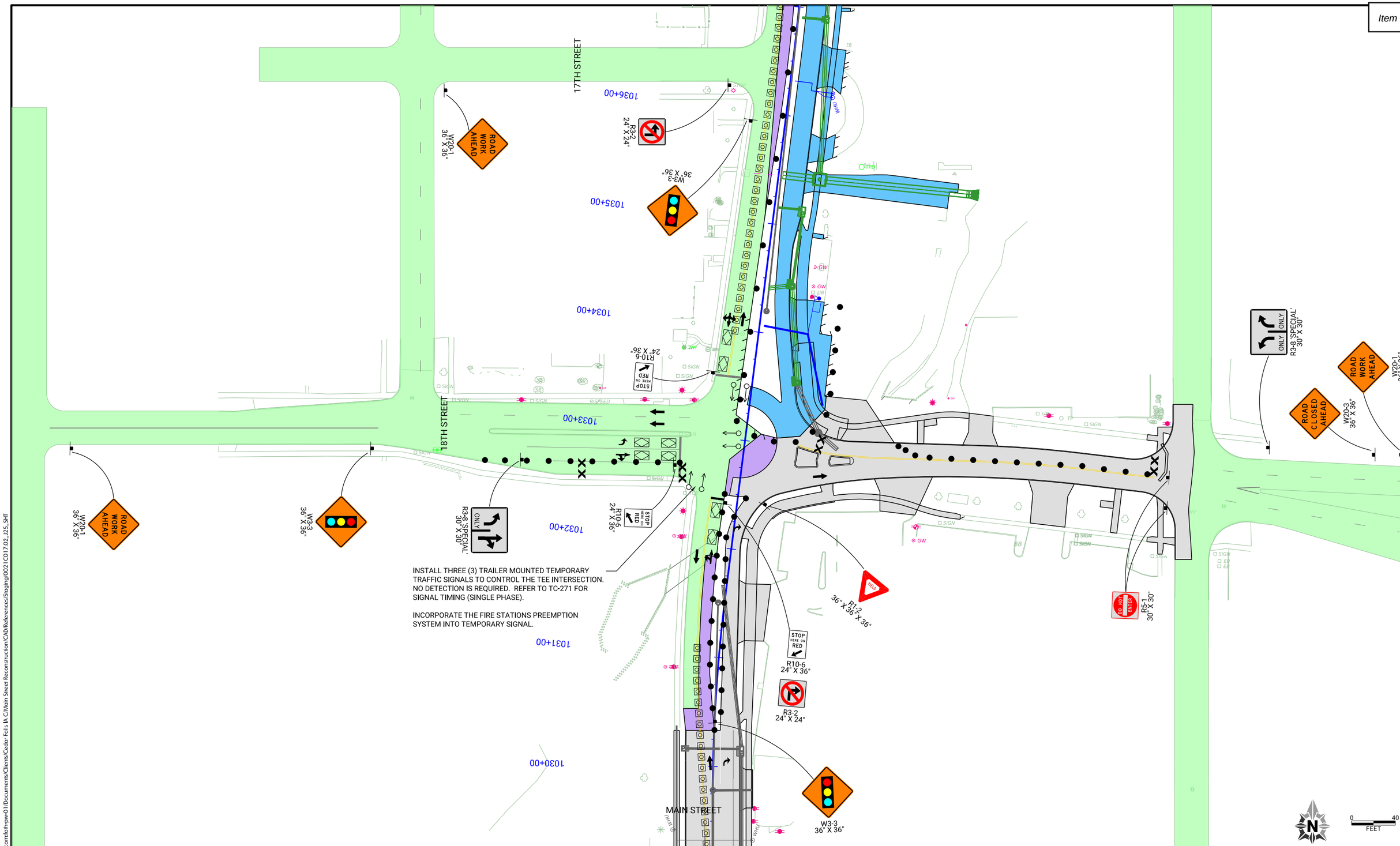

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 4 STAGE 4
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.85
STBG-SWAP-1185(657)

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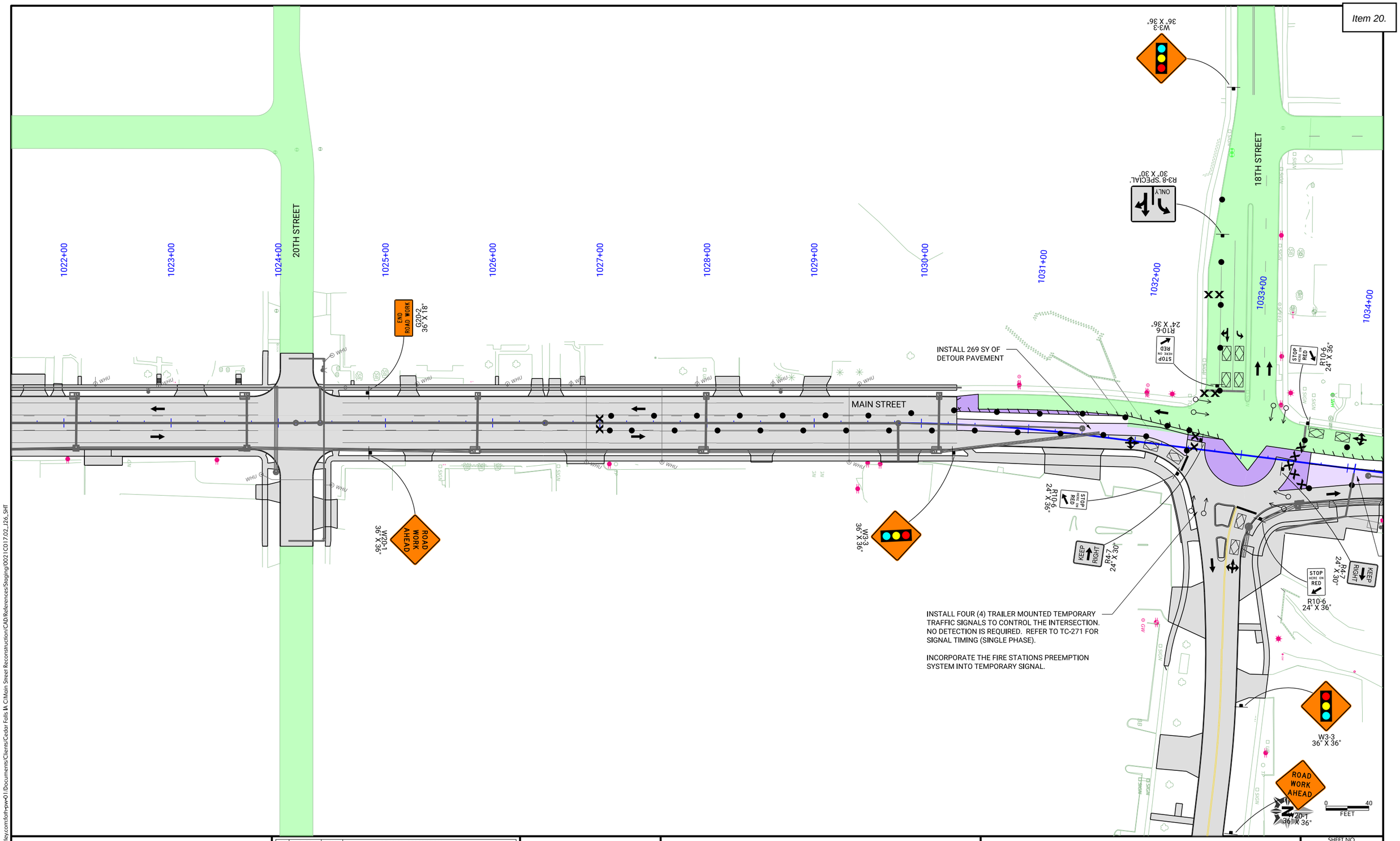

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NO	DATE	BY	REVISION DESCRIPTION

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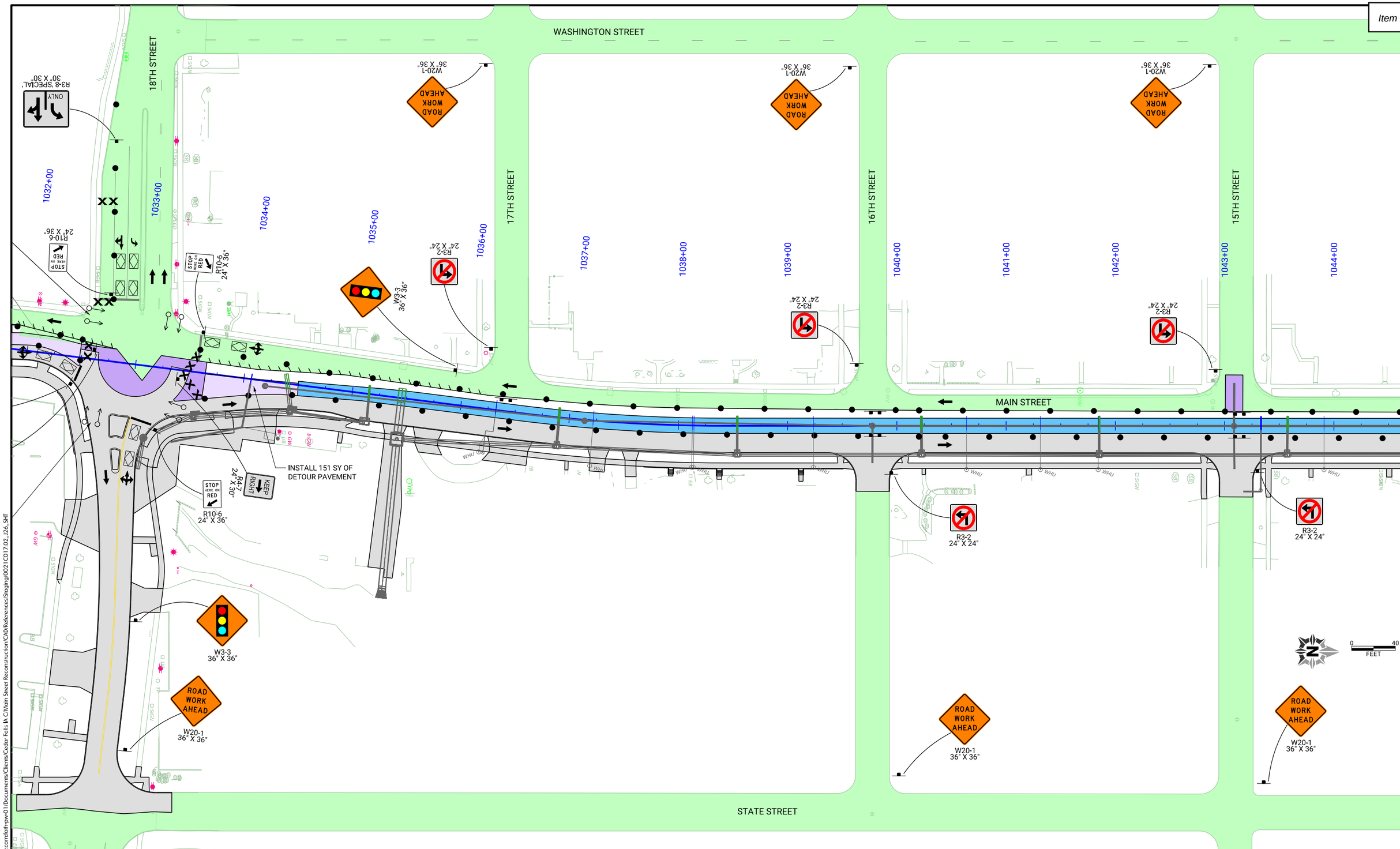
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 4 STAGE 5
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.86
STBG-SWAP-1185(657



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NO	DATE	BY	REVISION DESCRIPTION

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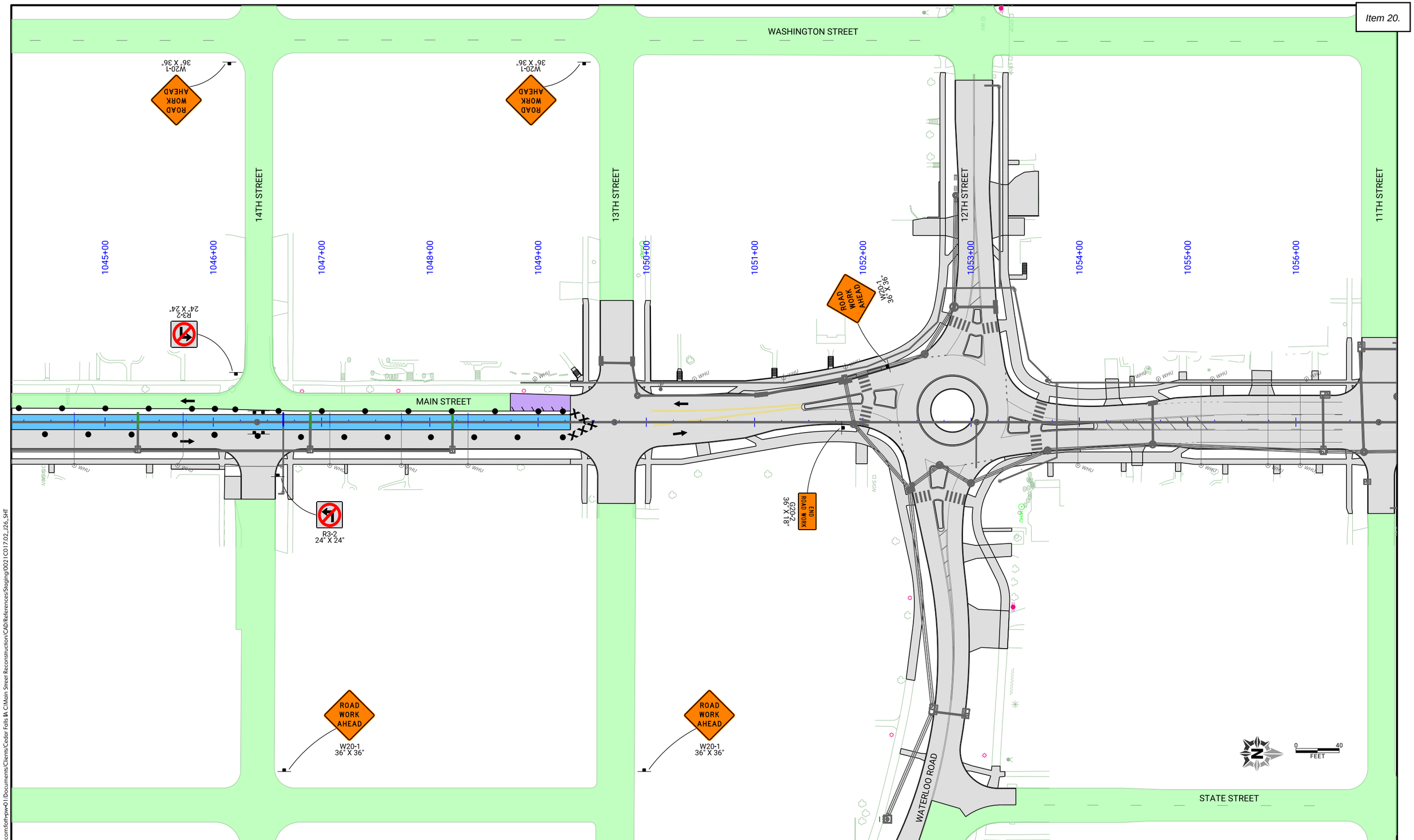
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 4 STAGE 5
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.87
STBG-SWAP-1185(657



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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 4 STAGE 5
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.88
STBG-SWAP-1185(657)

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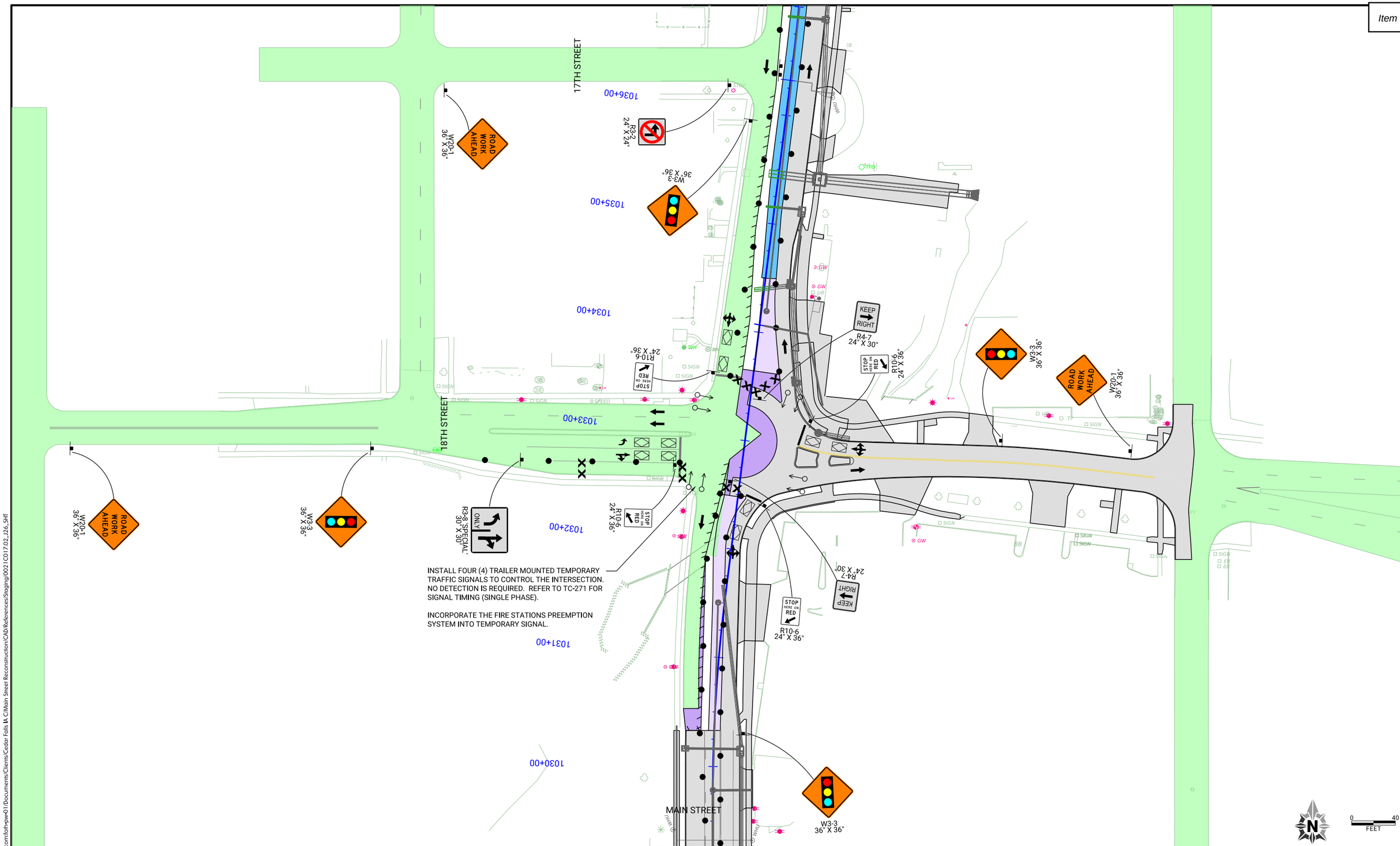

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 4 STAGE 5
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.89
STBG-SWAP-1185(657)

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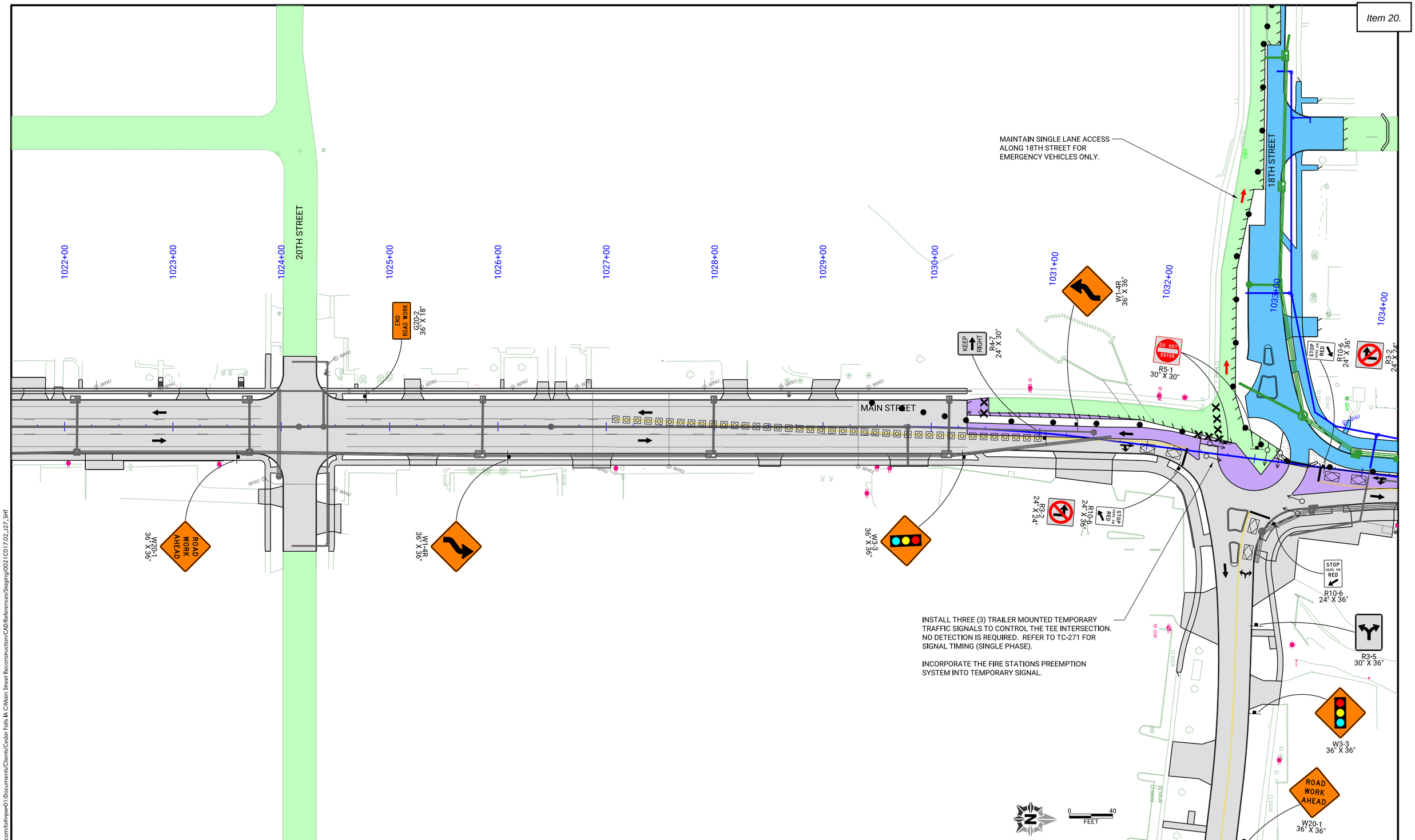

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Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 4 STAGE 6
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.90
STBG-SWAP-1185(657)

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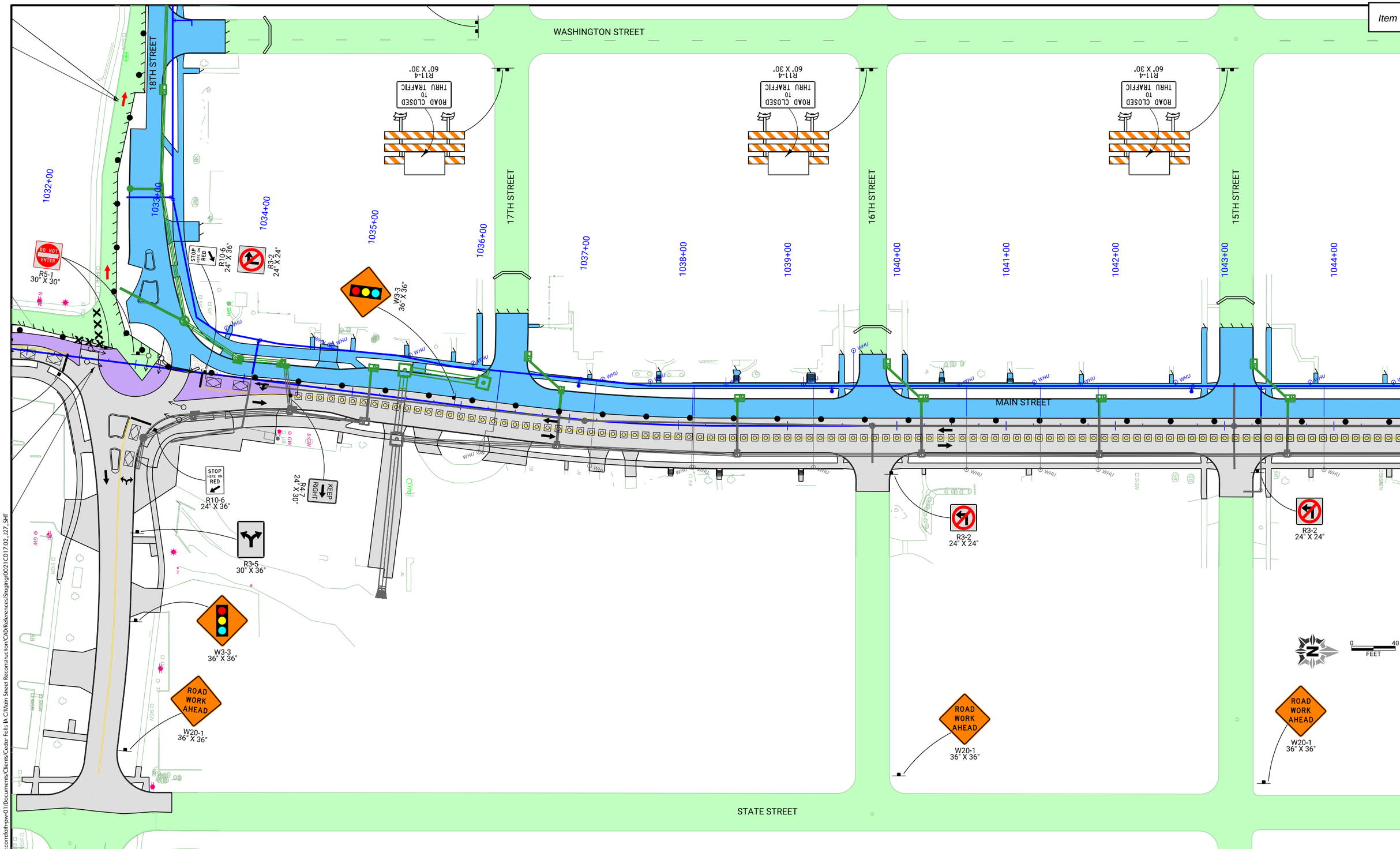

CLIENT PROJECT NO:	STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO:	0021C017.02		
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 4 STAGE 6
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.91
STBG-SWAP-1185(657

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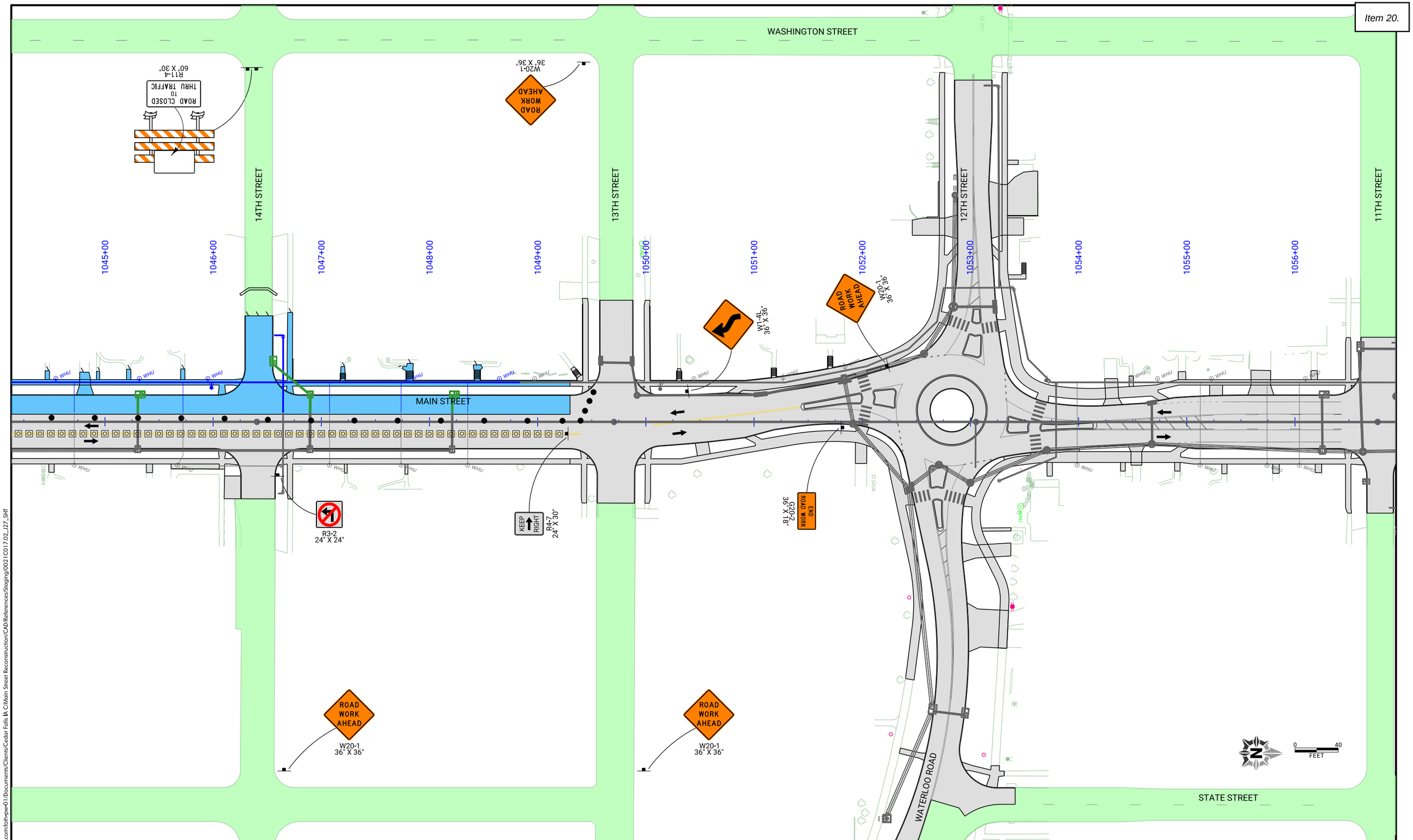

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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: C. CARPER CHECKED BY: A. MONIZA DRAWN BY: C. CARPER
LETTING DATE: 11/15/2022 CAD DATE: 8/31/2022 10:25:04 PM
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NO	DATE	BY	REVISION DESCRIPTION

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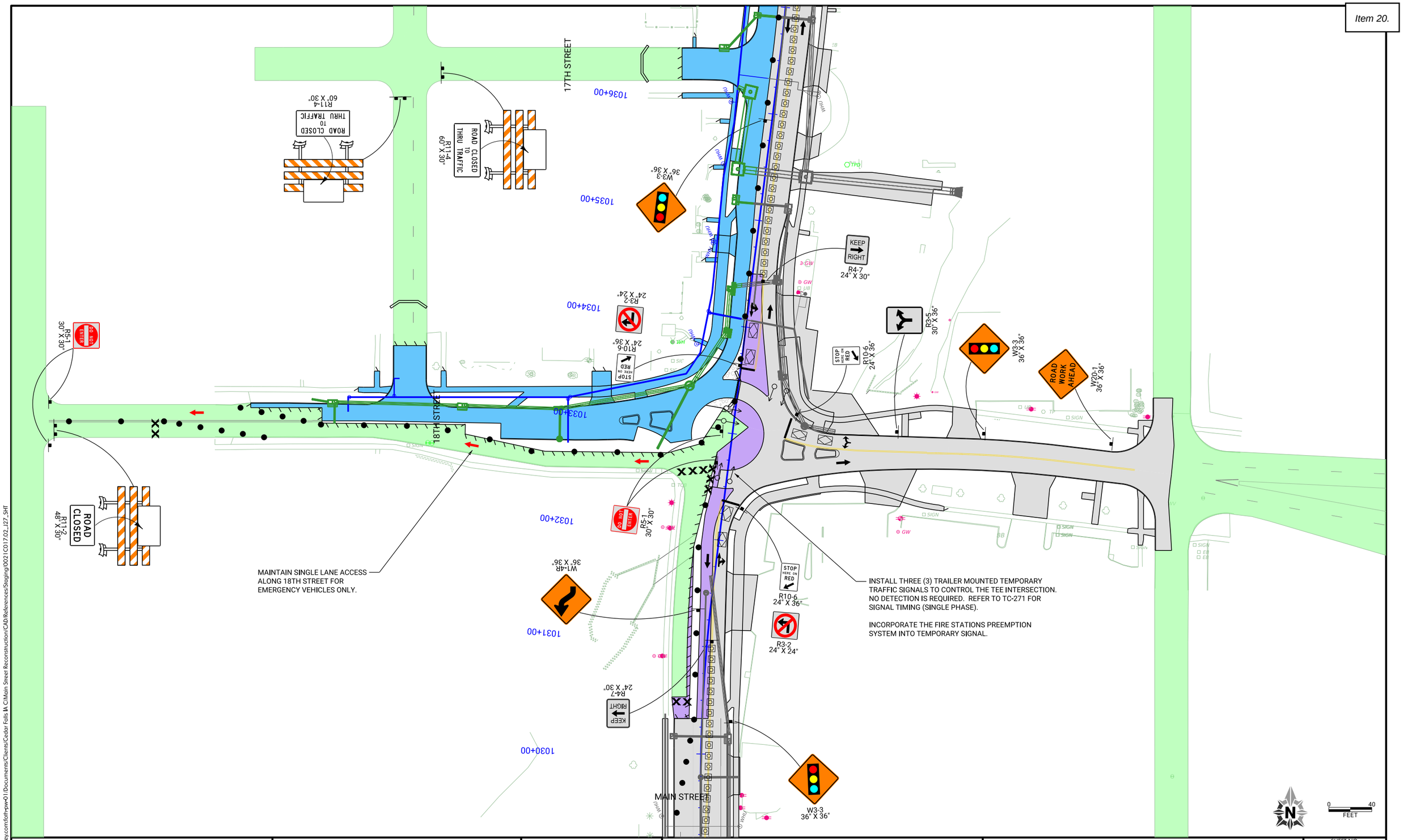
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 4 STAGE 6
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.92
STBG-SWAP-1185(657



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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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NO	DATE	BY	REVISION DESCRIPTION

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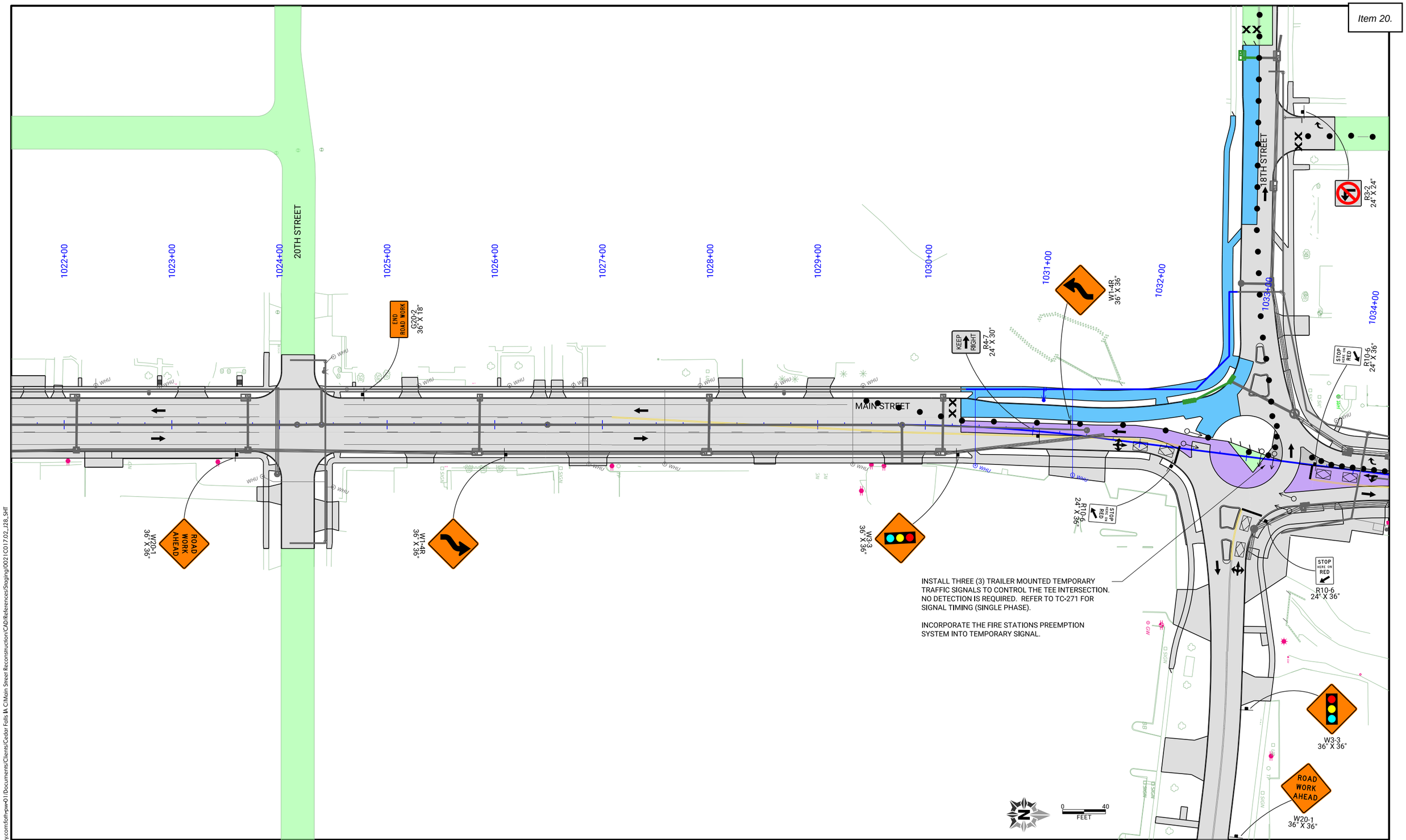
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 4 STAGE 6
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.93
STBG-SWAP-1185(657



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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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NO	DATE	BY	REVISION DESCRIPTION

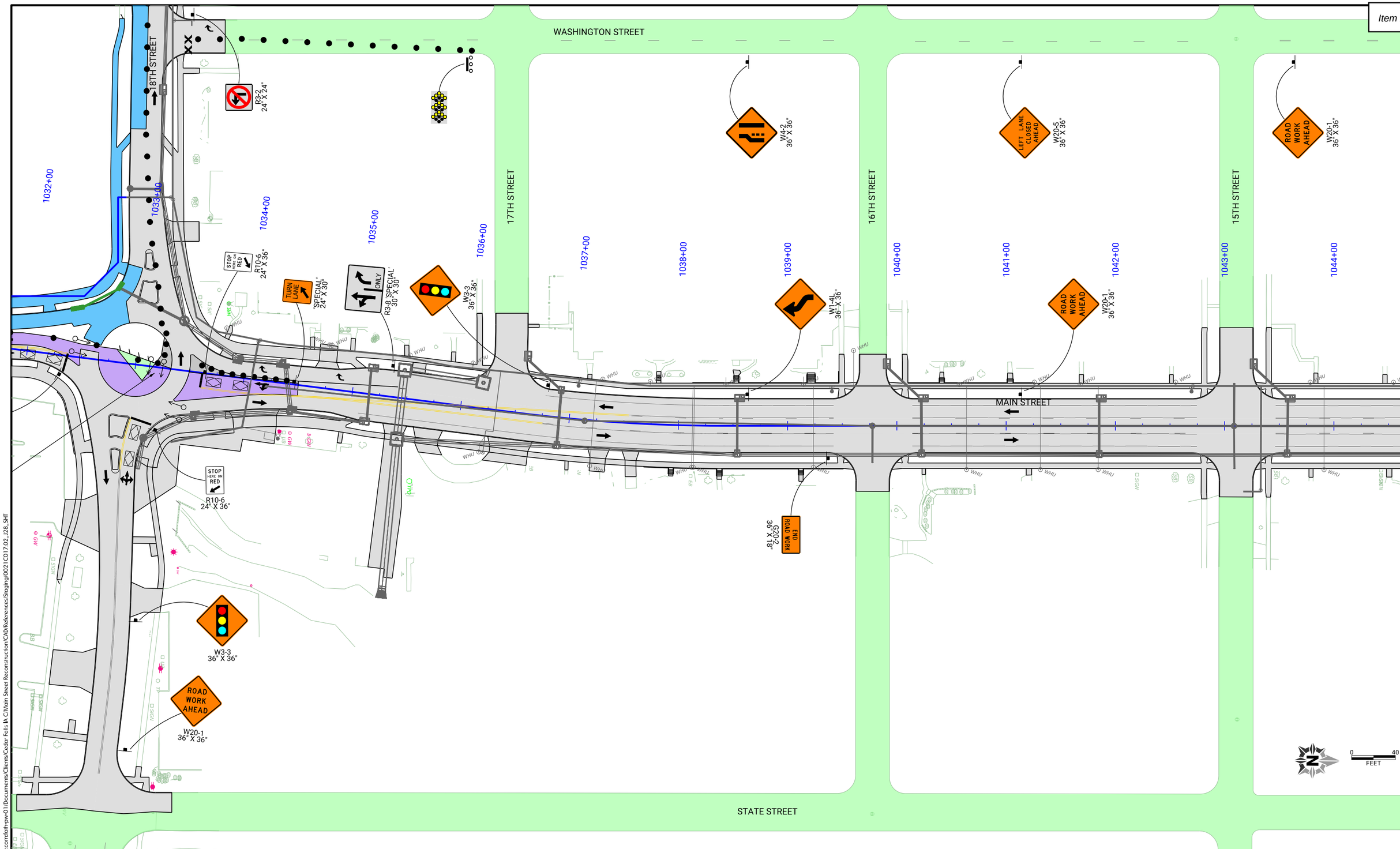
Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 4 STAGE 7
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.94

STBG-SWAP-1185(657



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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: C. CARPER	CHECKED BY: A. MONIZA	DRAWN BY: C. CARPER	
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NO	DATE	BY	REVISION DESCRIPTION

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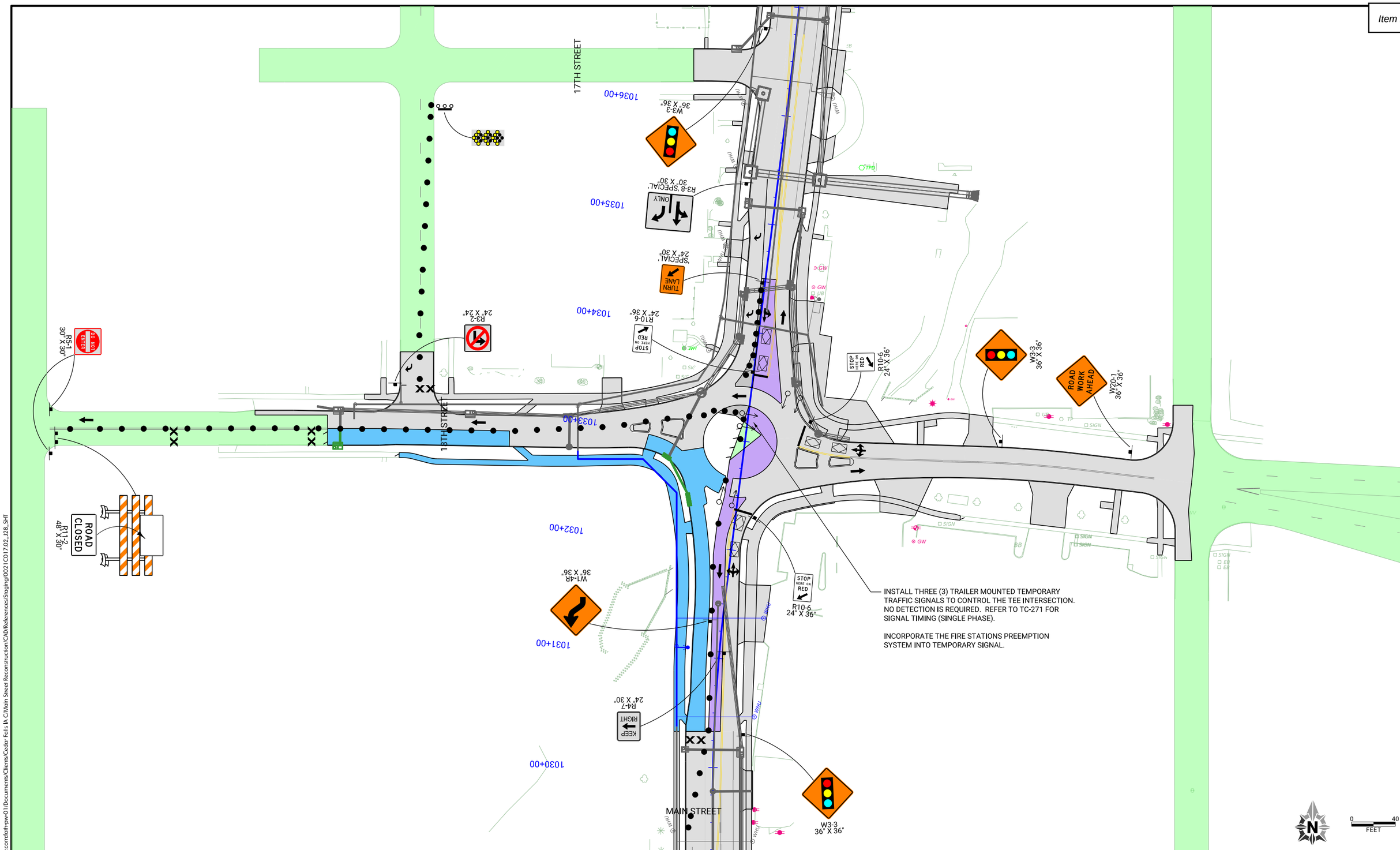
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 4 STAGE 7
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.95
STBG-SWAP-1185(657



CLIENT PROJECT NO:	STBG-SWAP-1185(657)--SG--07
FOTH PROJECT NO:	0021C017.02
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CHECKED BY:	A. MONIZA
DRAWN BY:	C. CARPER
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 4 STAGE 7
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.96

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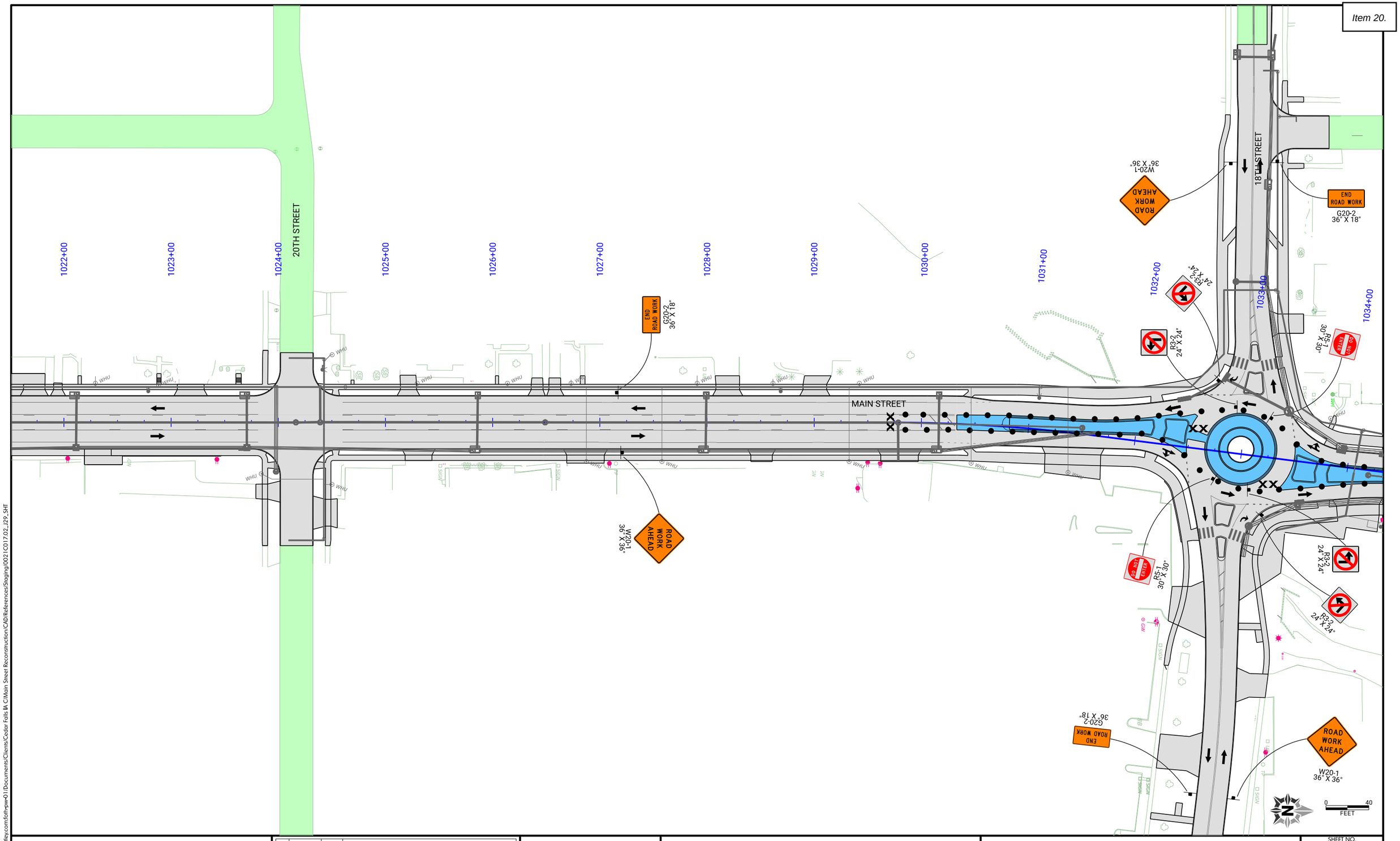

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 4 STAGE 8
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.97

STBG-SWAP-1185(657

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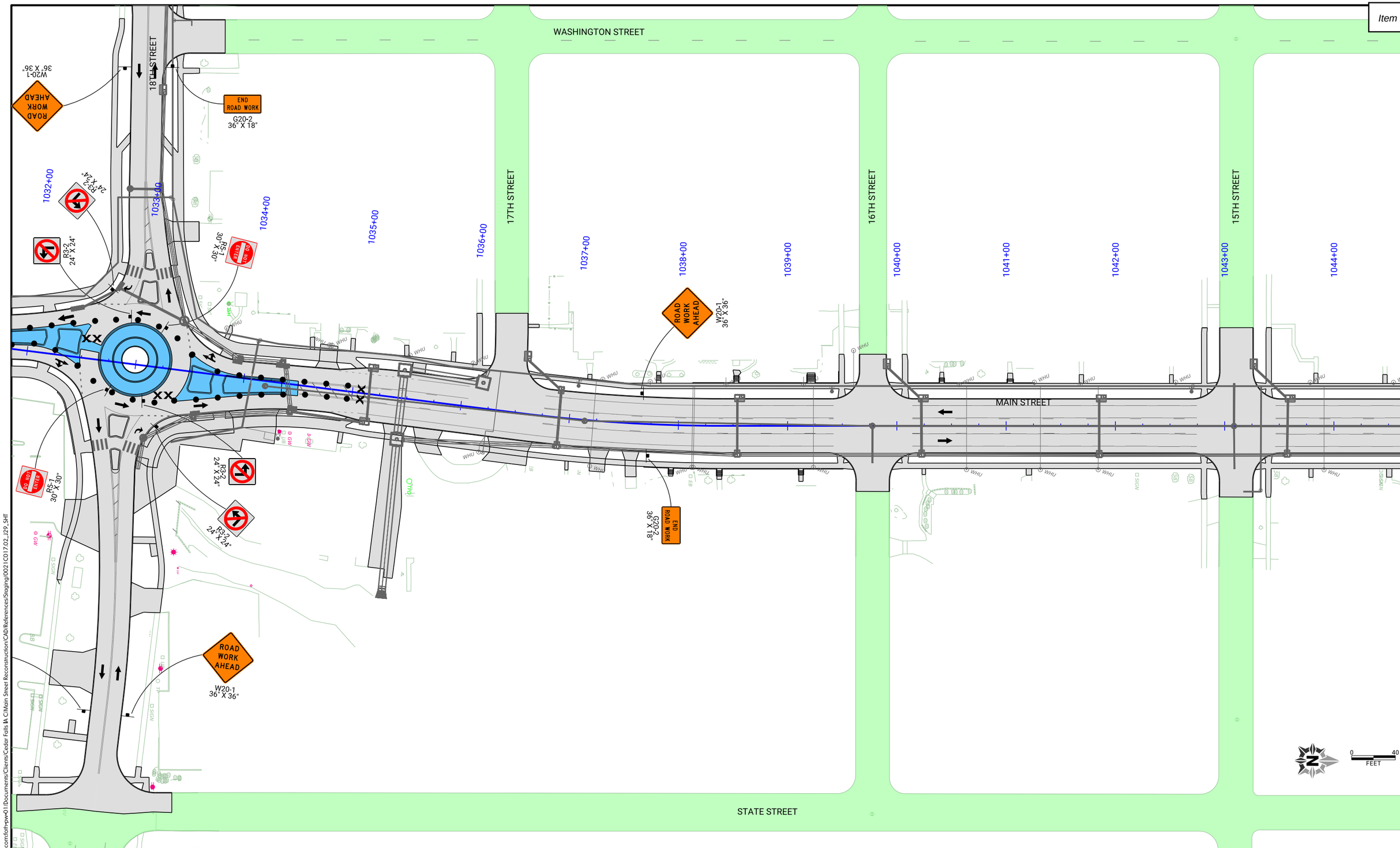

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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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NO	DATE	BY	REVISION DESCRIPTION

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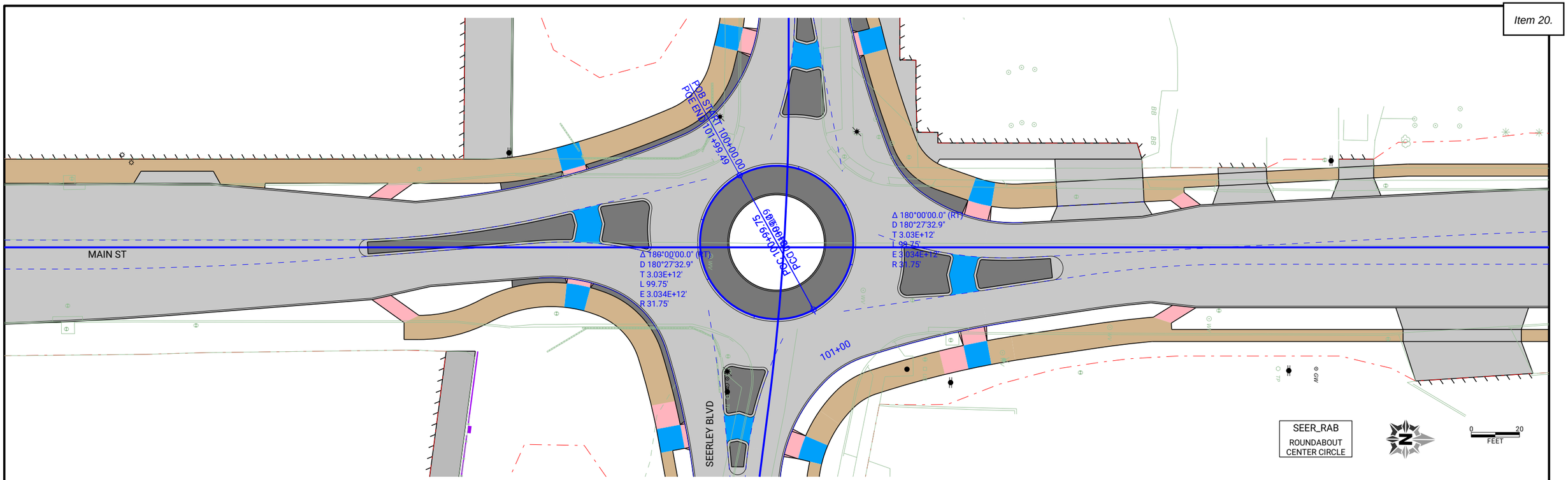
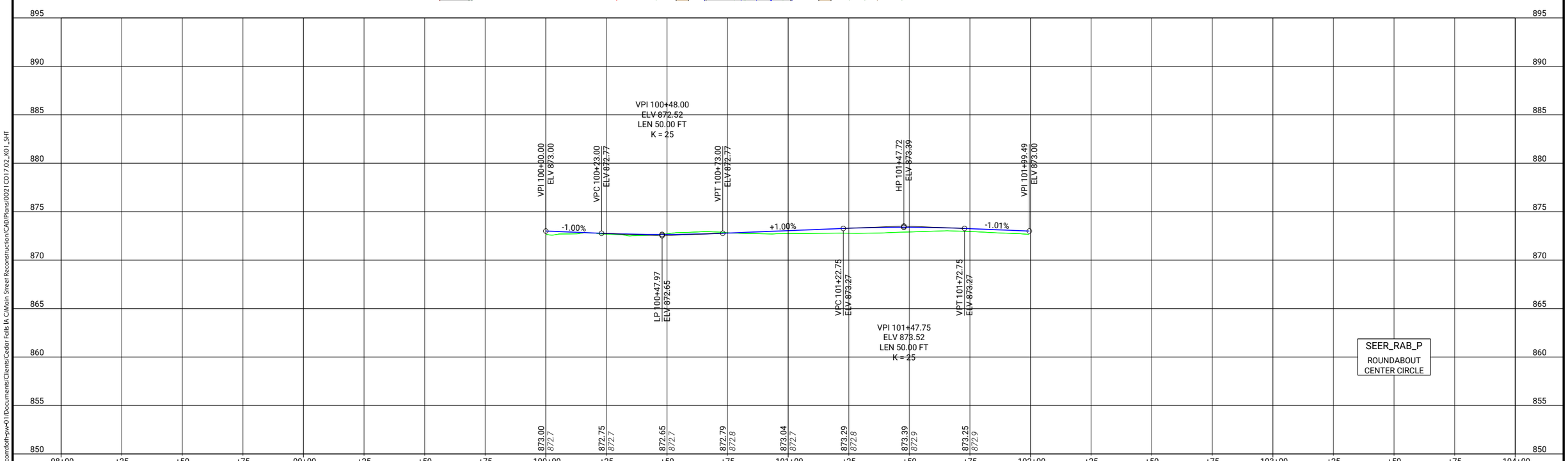
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

PHASE 4 STAGE 8
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.98
STBG-SWAP-1185(657)





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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

SEERLEY BOULEVARD ROUNDABOUT
PLAN AND PROFILE

SHEET NO.
K.1
STBG-SWAP-1185(657

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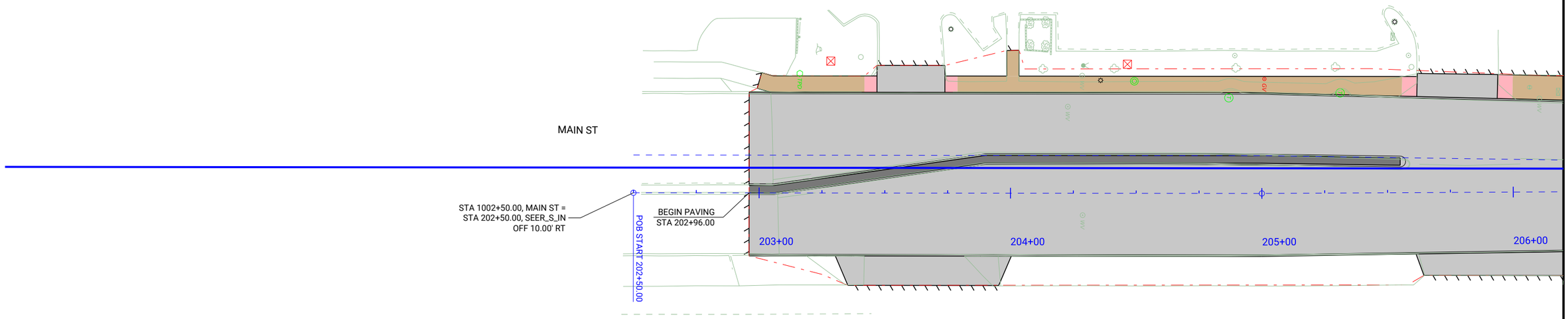
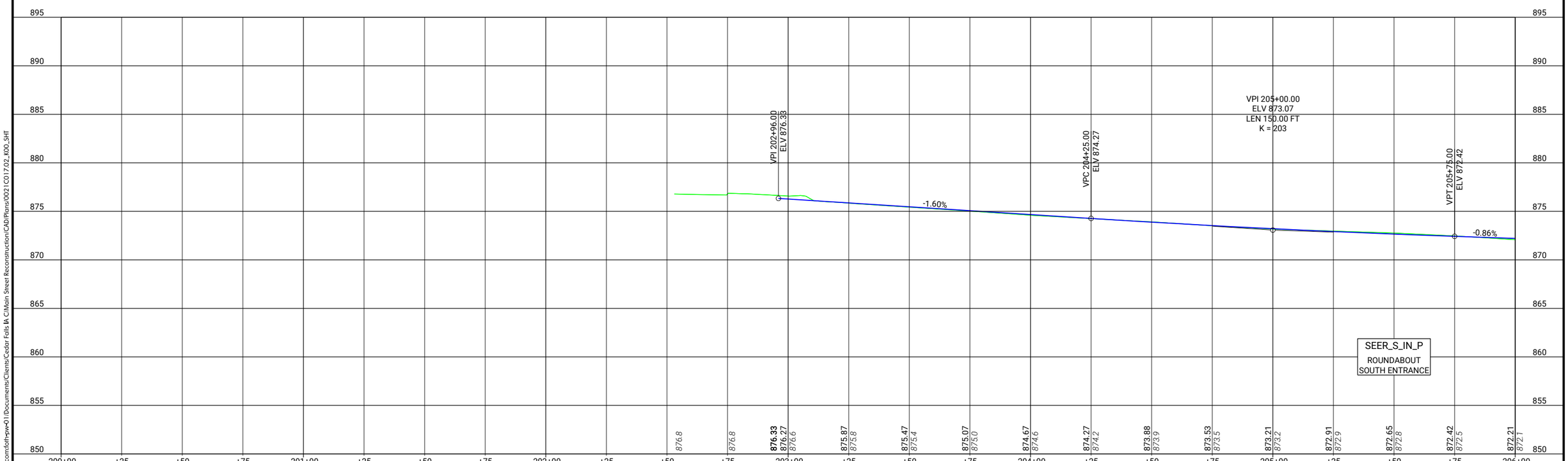


SEER_S_IN
ROUNDABOUT
SOUTH ENTRANCE

0 20
FEET



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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

SEERLEY BOULEVARD ROUNDABOUT
PLAN AND PROFILE

SHEET NO.
K.2
STBG-SWAP-1185(657

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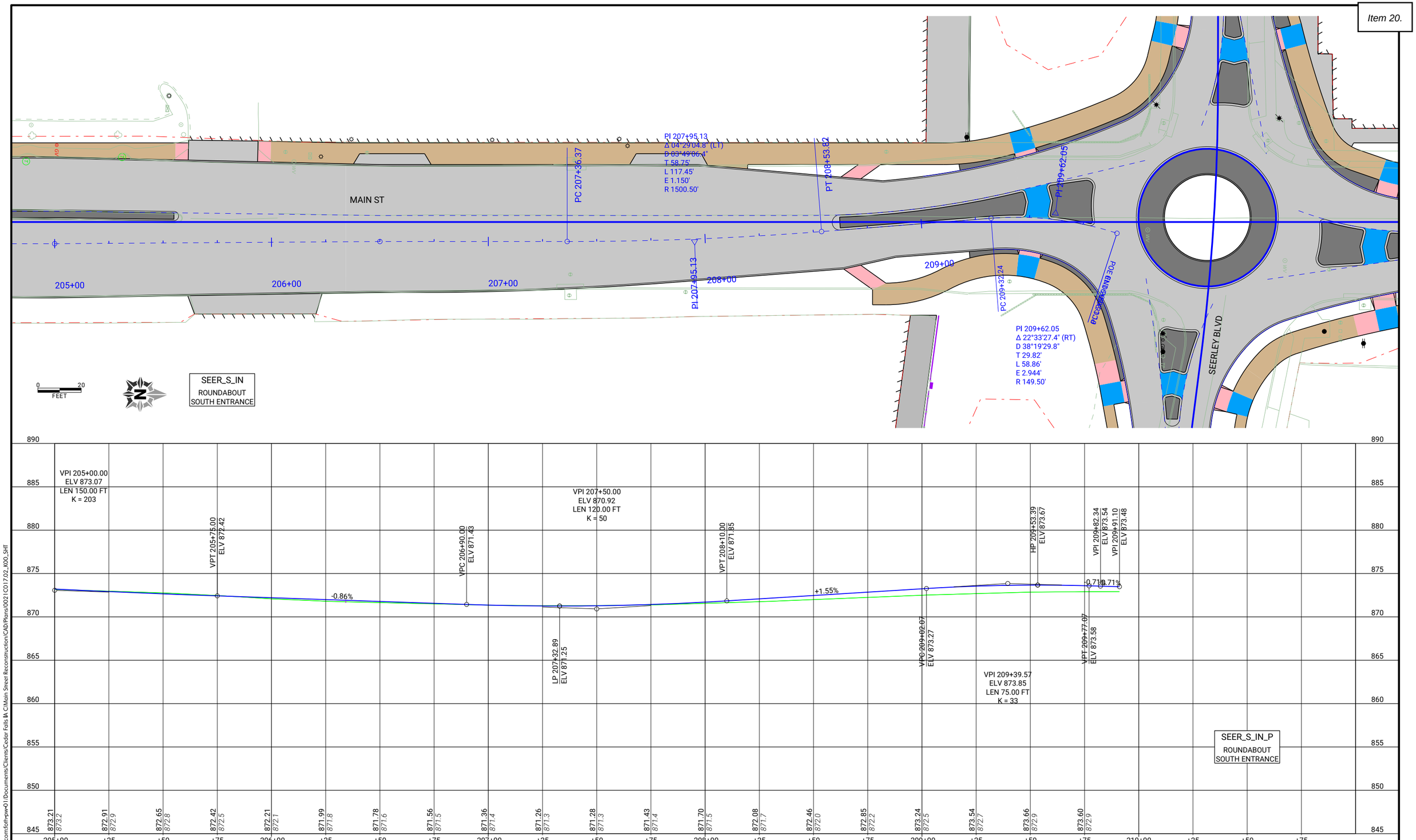

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

SEERLEY BOULEVARD ROUNDABOUT
PLAN AND PROFILE

SHEET NO.
K.3
STBG-SWAP-1185(657

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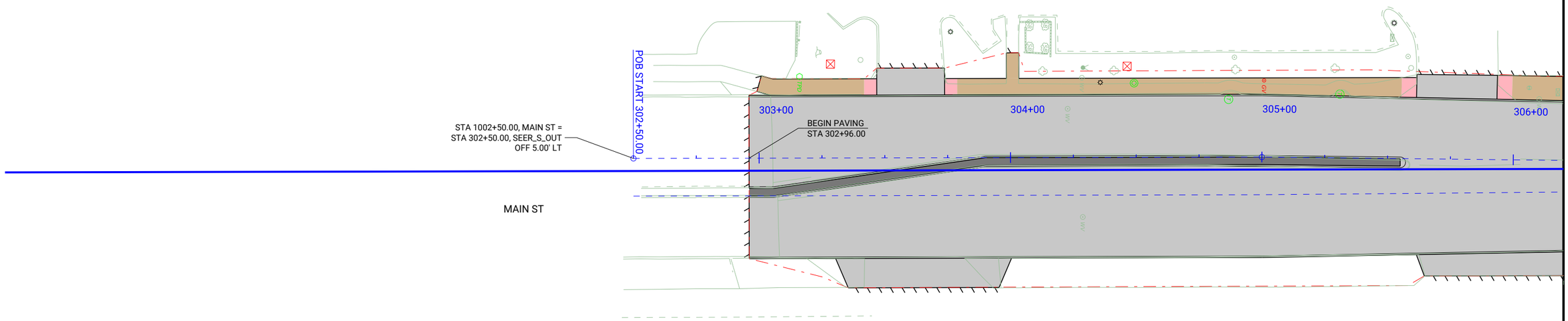
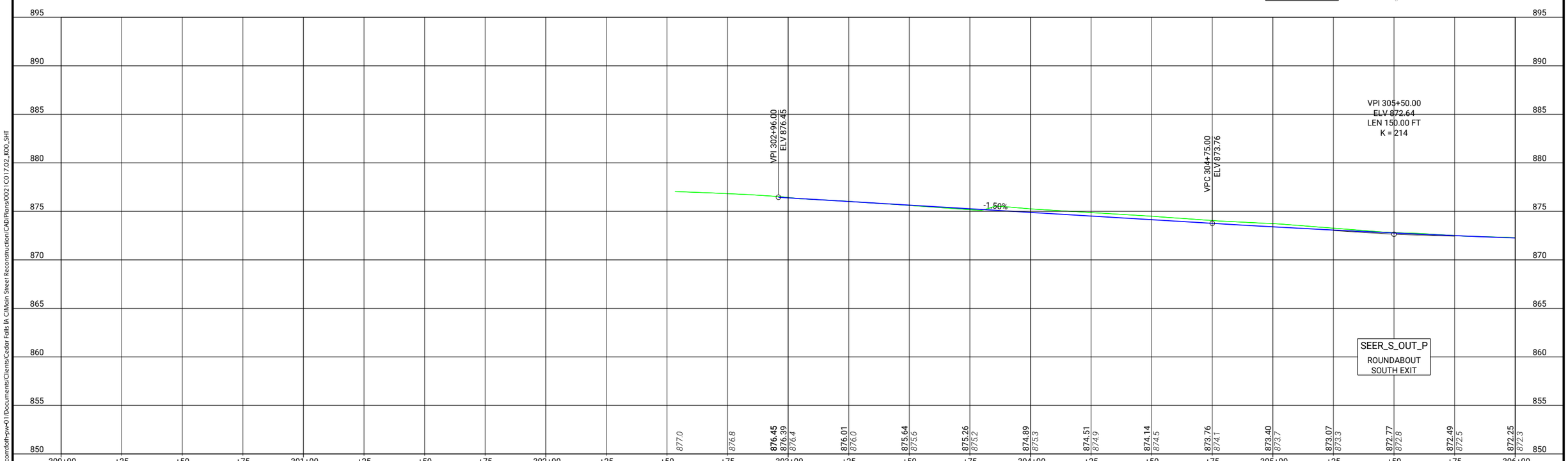


SEER_S_OUT
ROUNDABOUT
SOUTH EXIT

0 20
FEET



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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

SEERLEY BOULEVARD ROUNDABOUT
PLAN AND PROFILE

SHEET NO.
K.4
STBG-SWAP-1185(657)

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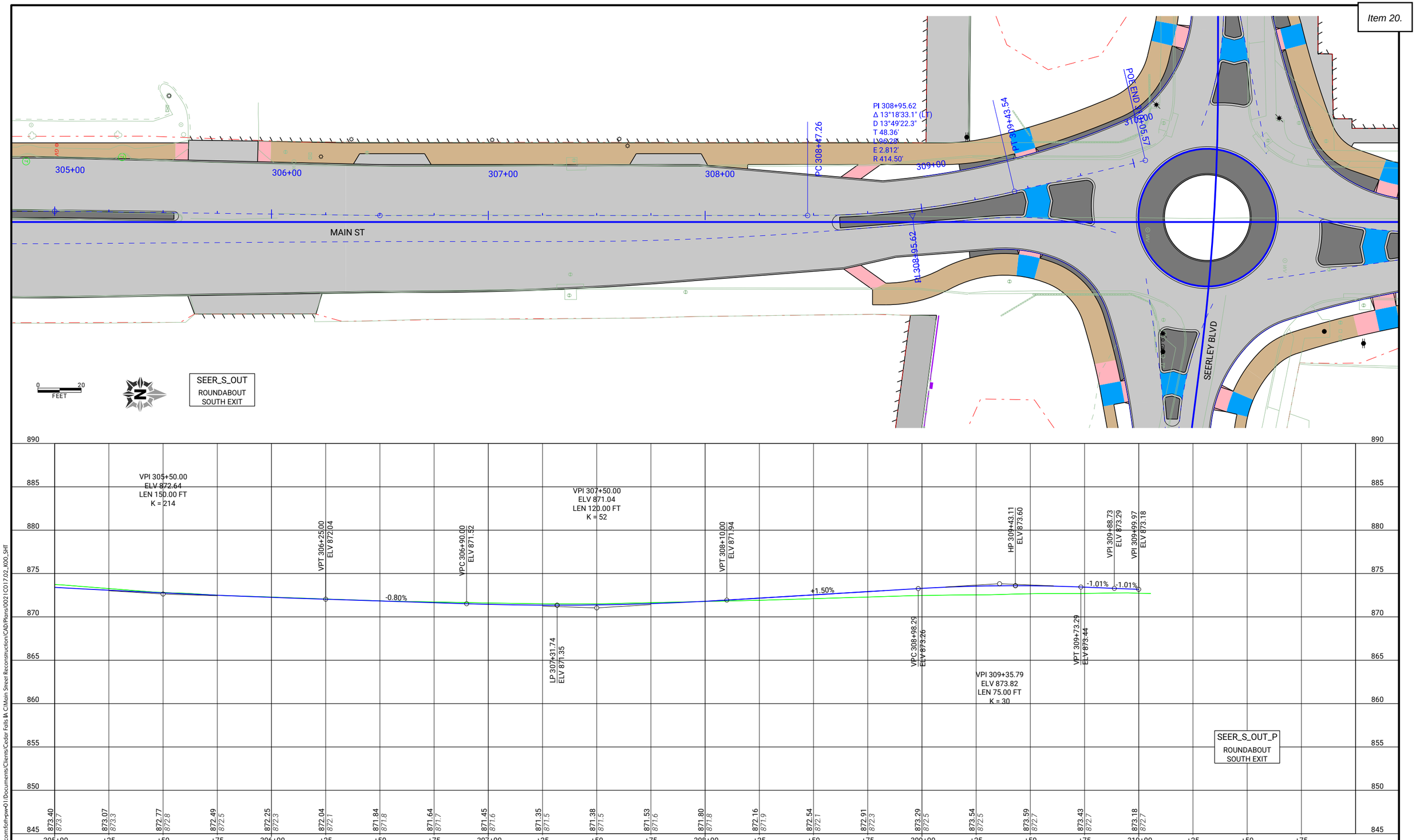

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

SEERLEY BOULEVARD ROUNDABOUT
PLAN AND PROFILE

SHEET NO.
K.5
STBG-SWAP-1185(657

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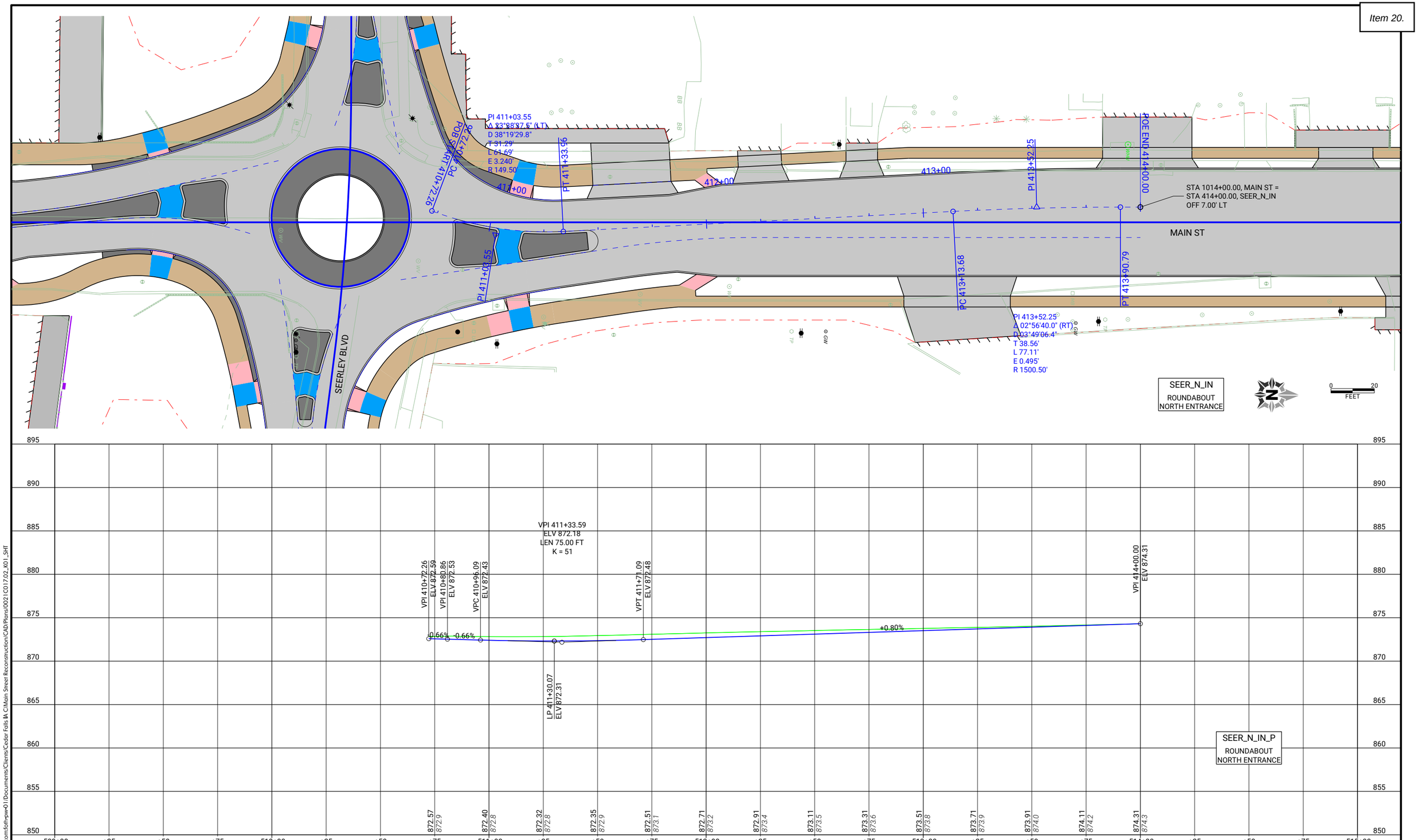

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

SEERLEY BOULEVARD ROUNDABOUT
PLAN AND PROFILE

SHEET NO.
K.6
STBG-SWAP-1185(657)

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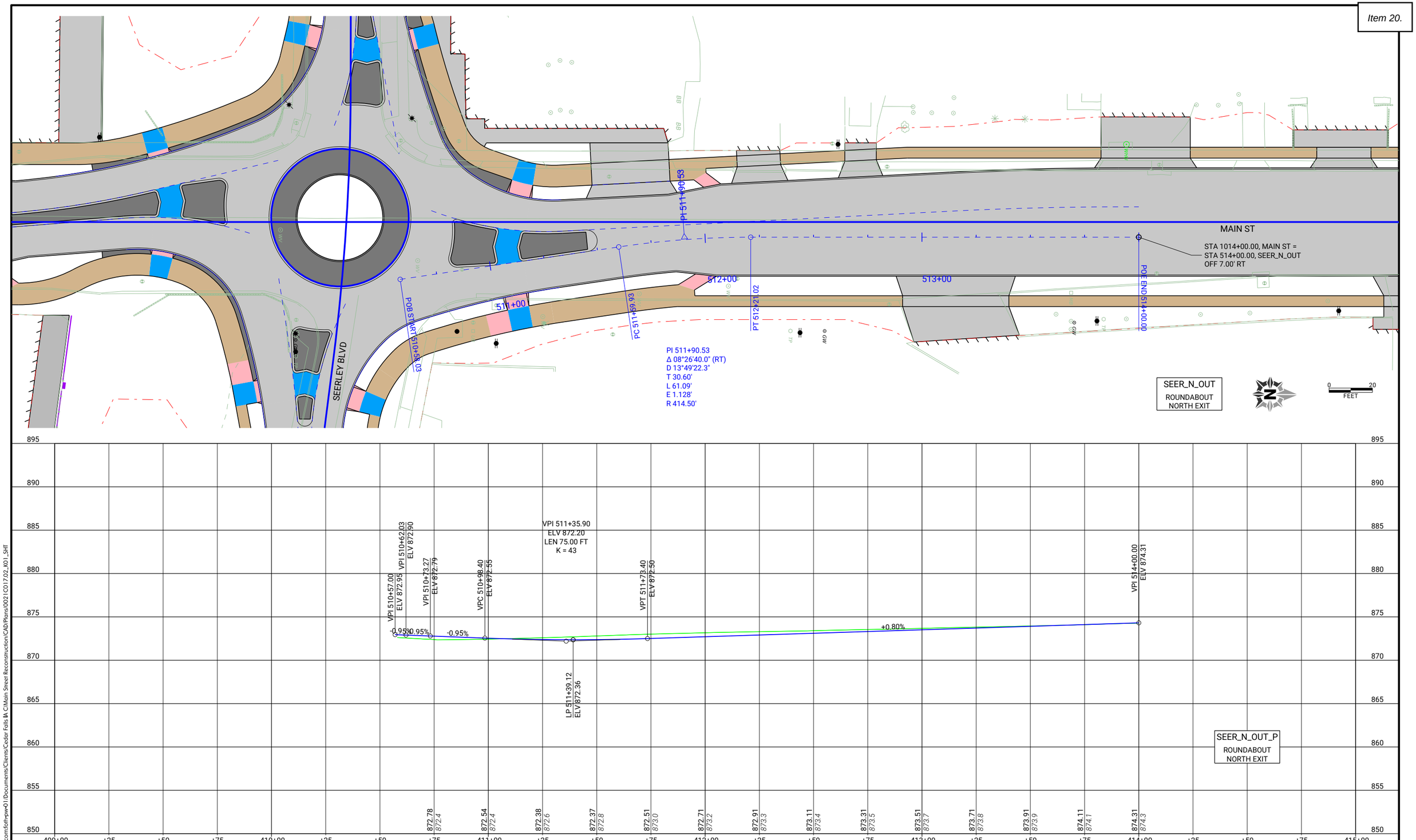

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

SEERLEY BOULEVARD ROUNDABOUT
PLAN AND PROFILE

SHEET NO.
K.7
STBG-SWAP-1185(657

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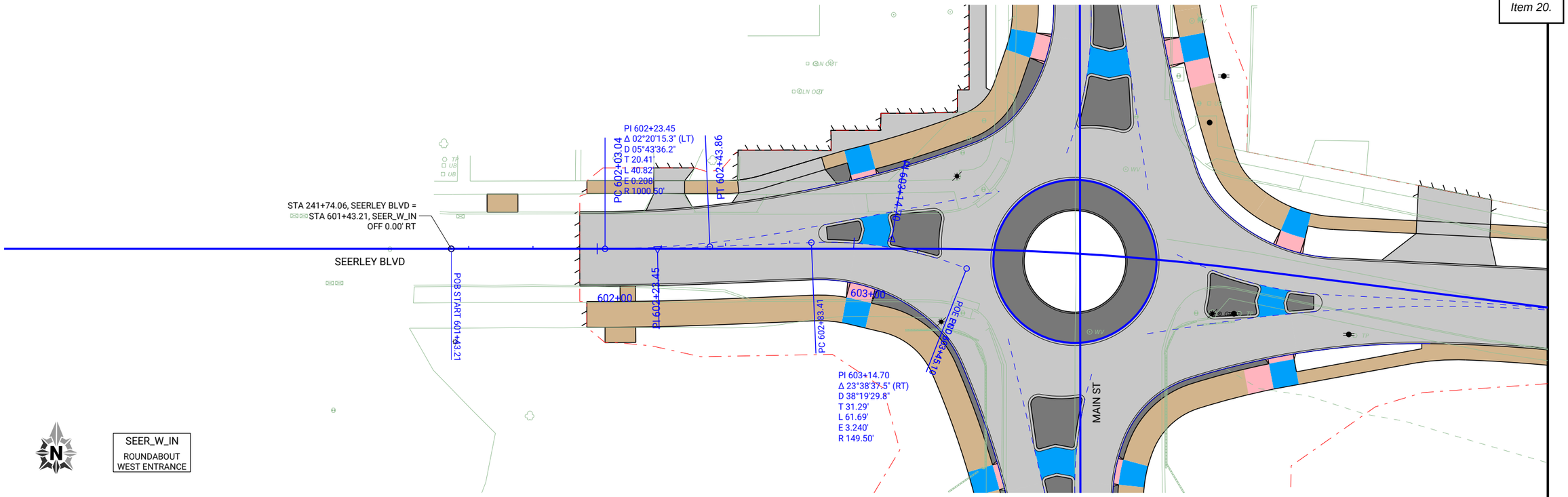

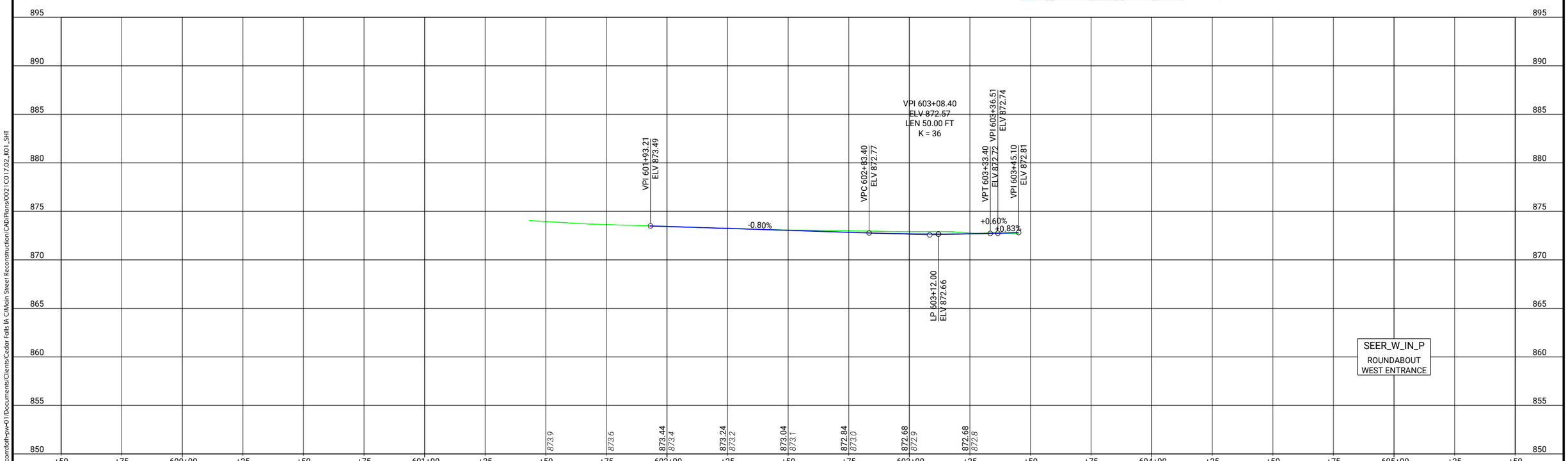

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

SEERLEY BOULEVARD ROUNDABOUT
PLAN AND PROFILE

SHEET NO.
K.8

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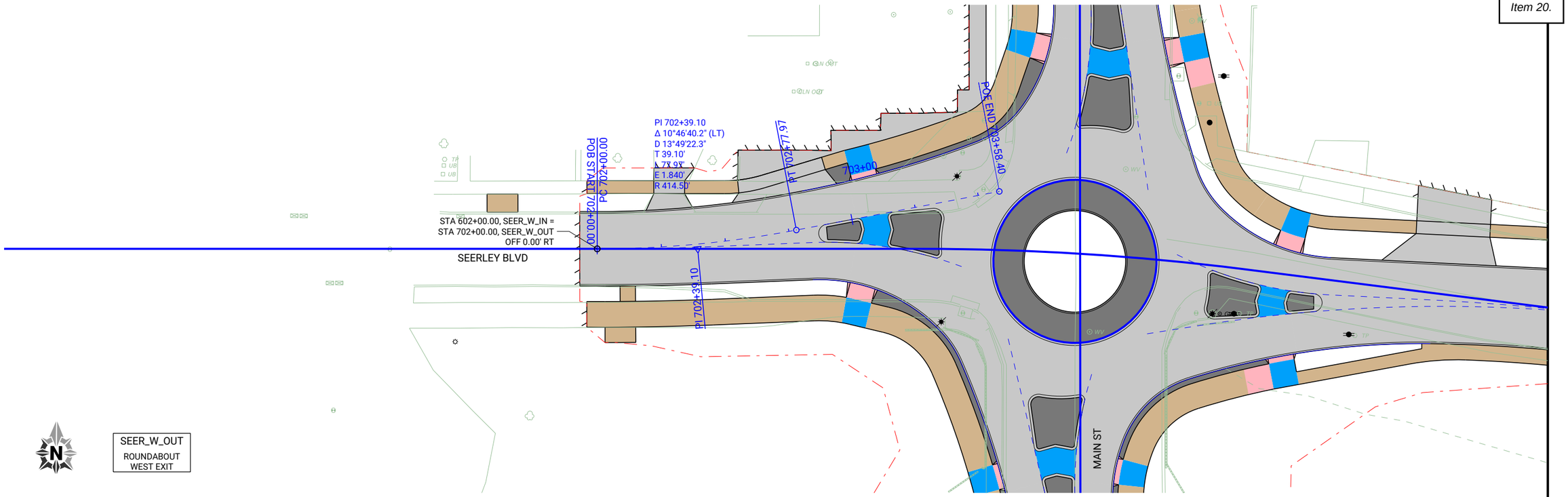

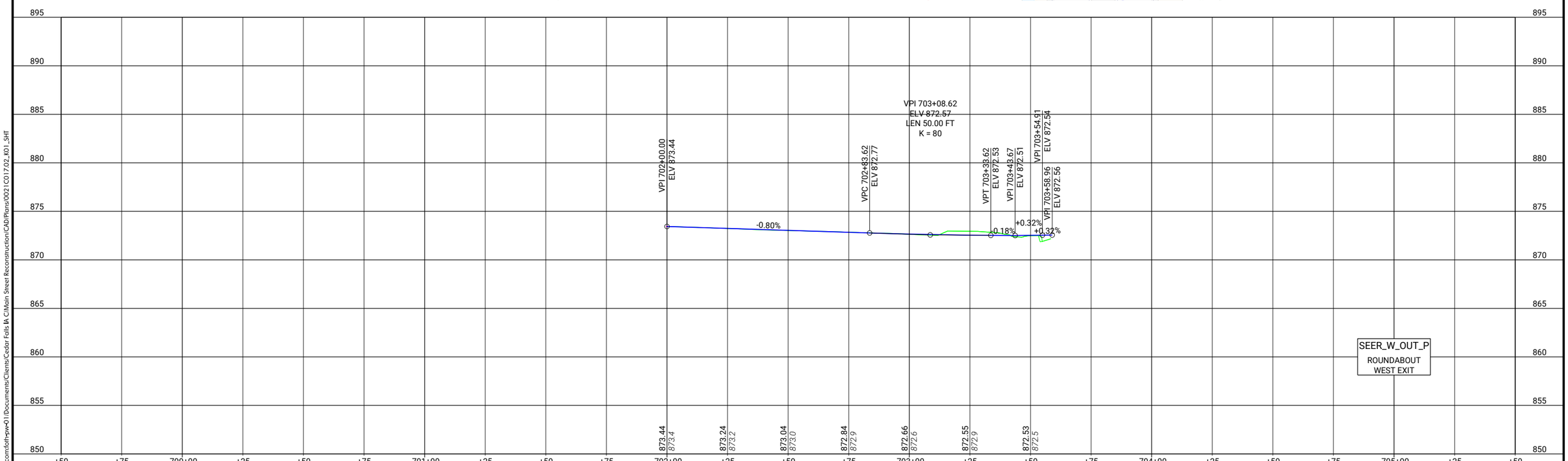

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

SEERLEY BOULEVARD ROUNDABOUT
PLAN AND PROFILE

SHEET NO.
K.9
STBG-SWAP-1185(657

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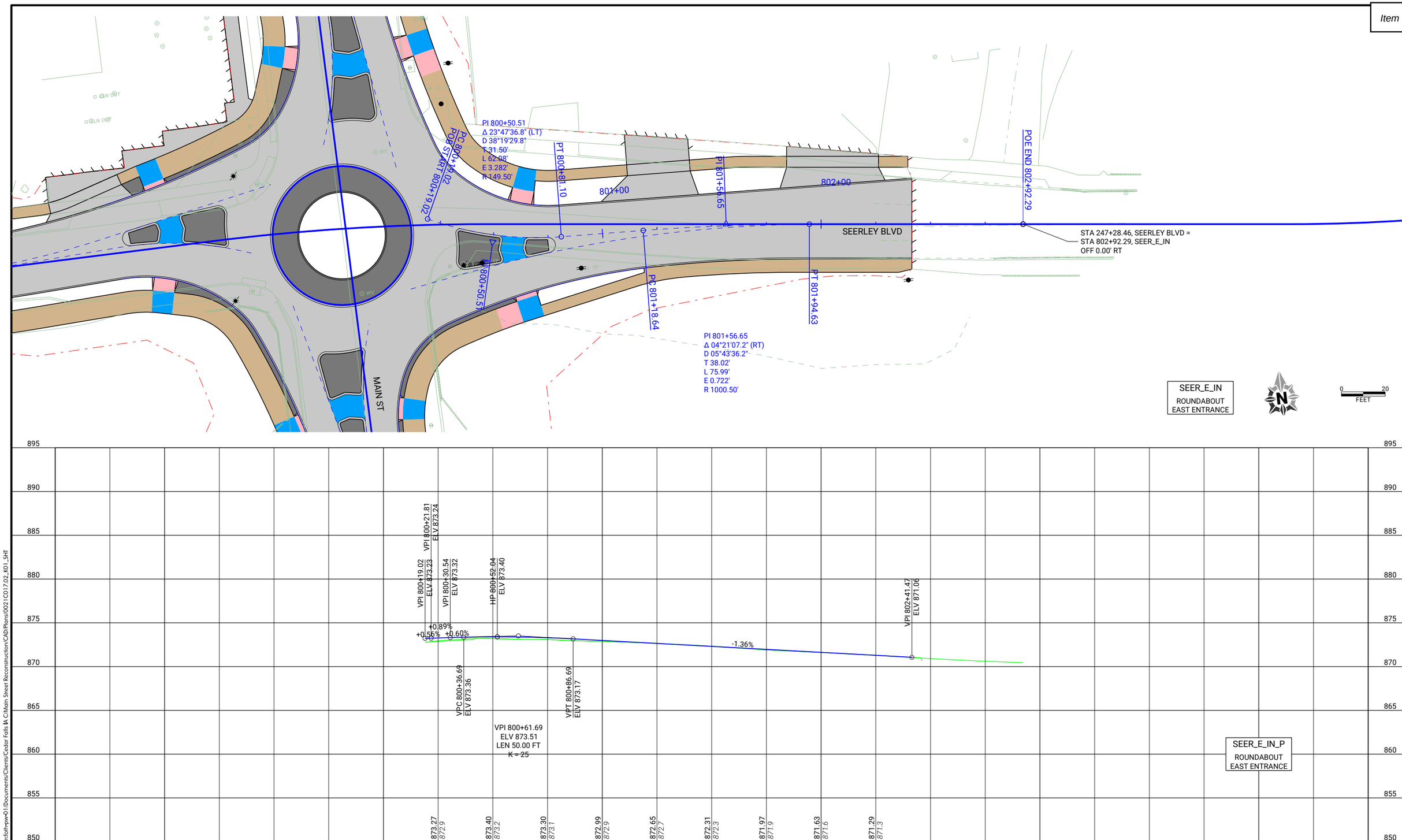

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NO	DATE	BY	REVISION DESCRIPTION

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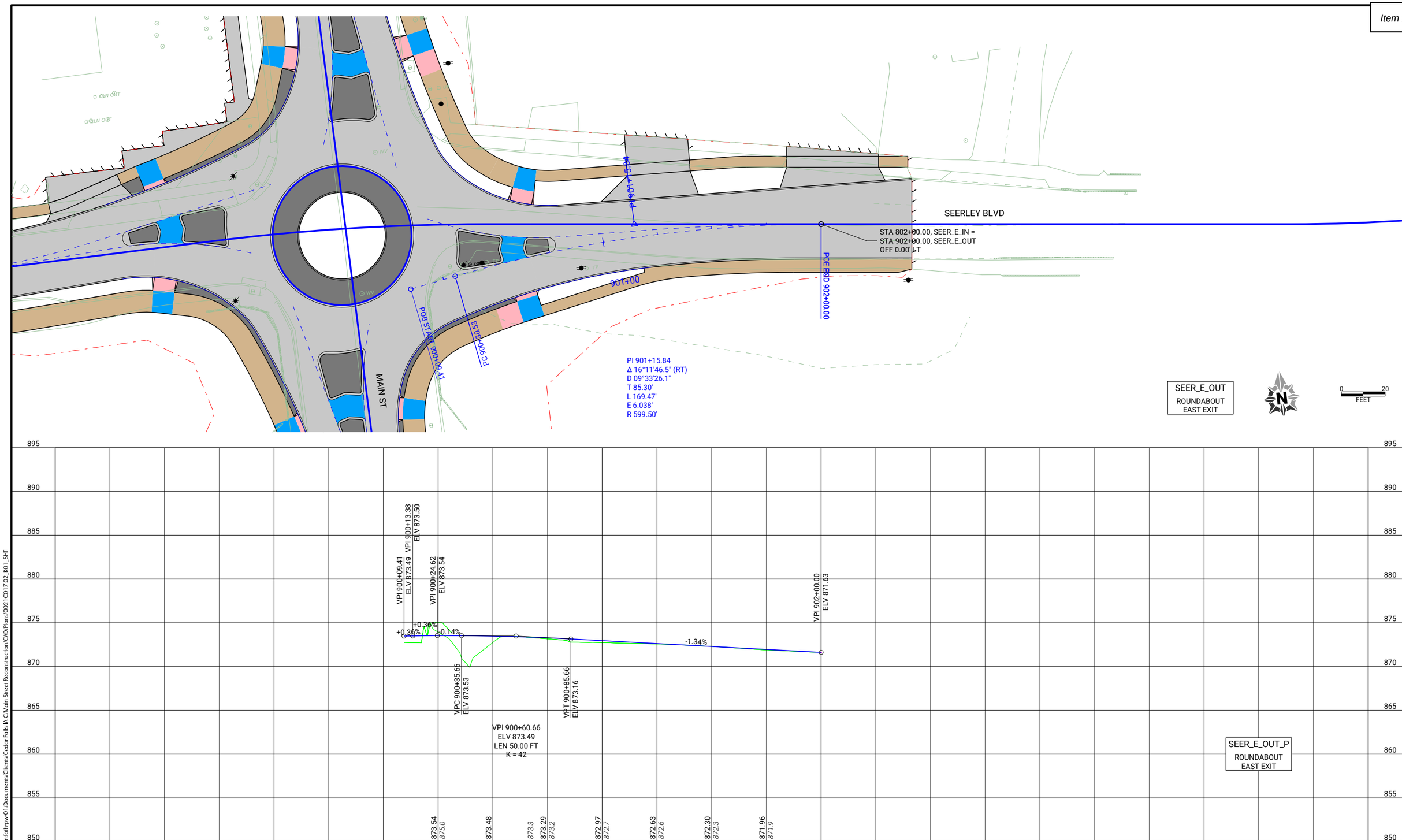
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

SEERLEY BOULEVARD ROUNDABOUT
PLAN AND PROFILE

SHEET NO.
K.10
STBG-SWAP-1185(657



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NO	DATE	BY	REVISION DESCRIPTION

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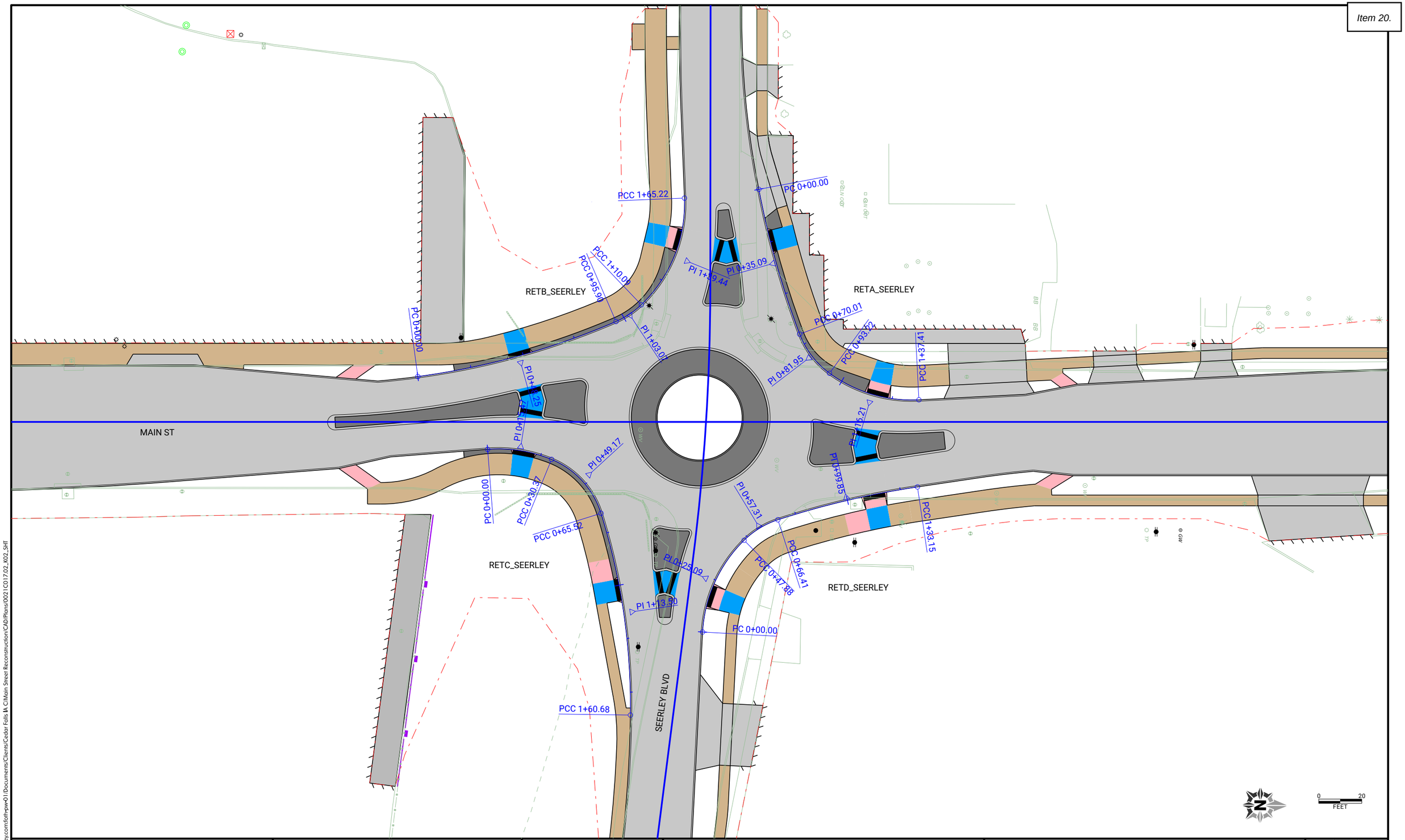
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

SEERLEY BOULEVARD ROUNDABOUT
PLAN AND PROFILE

SHEET NO.
K.11
STBG-SWAP-1185(657



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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

SEERLEY BOULEVARD ROUNDABOUT
PLAN AND PROFILE

SHEET NO.
K.12

STBG-SWAP-1185(657)

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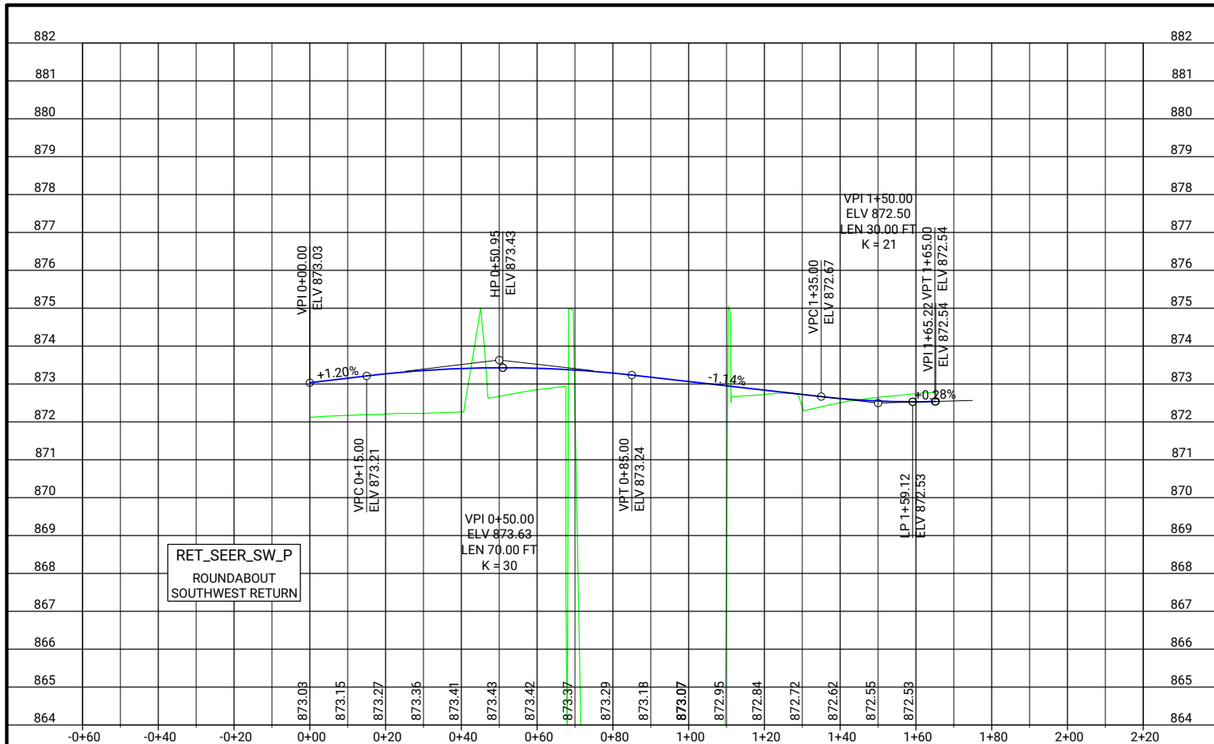

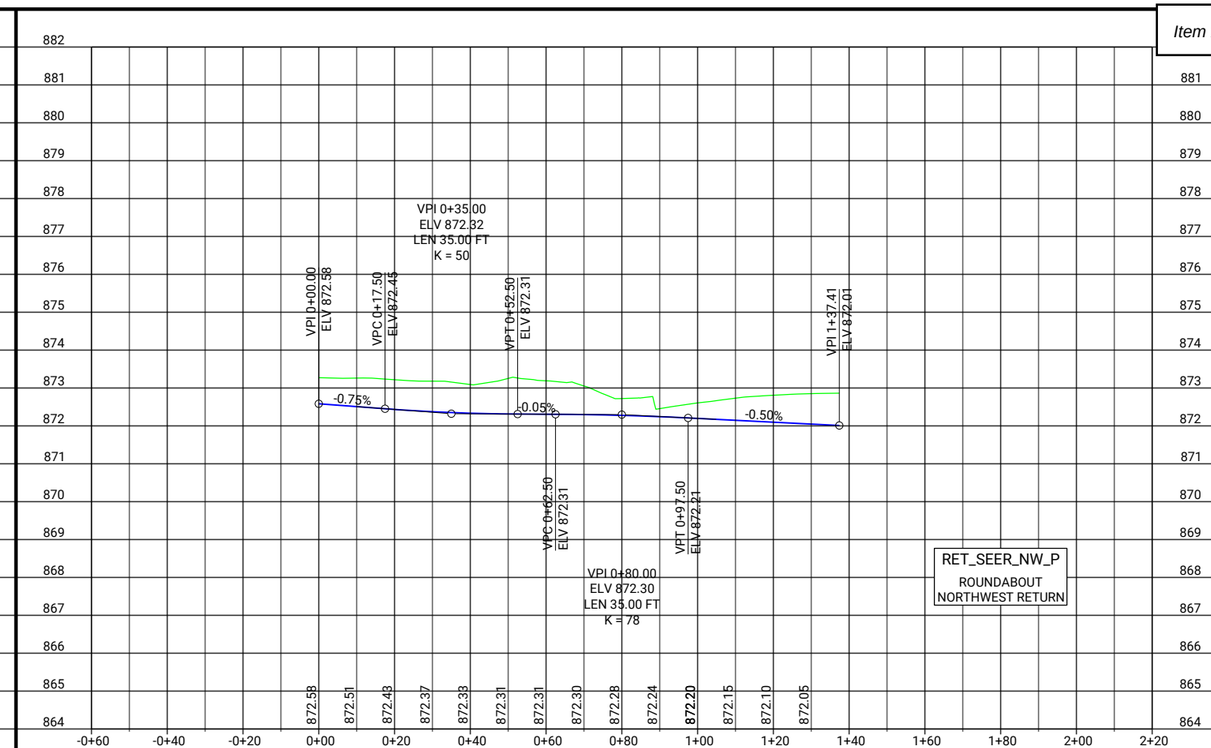

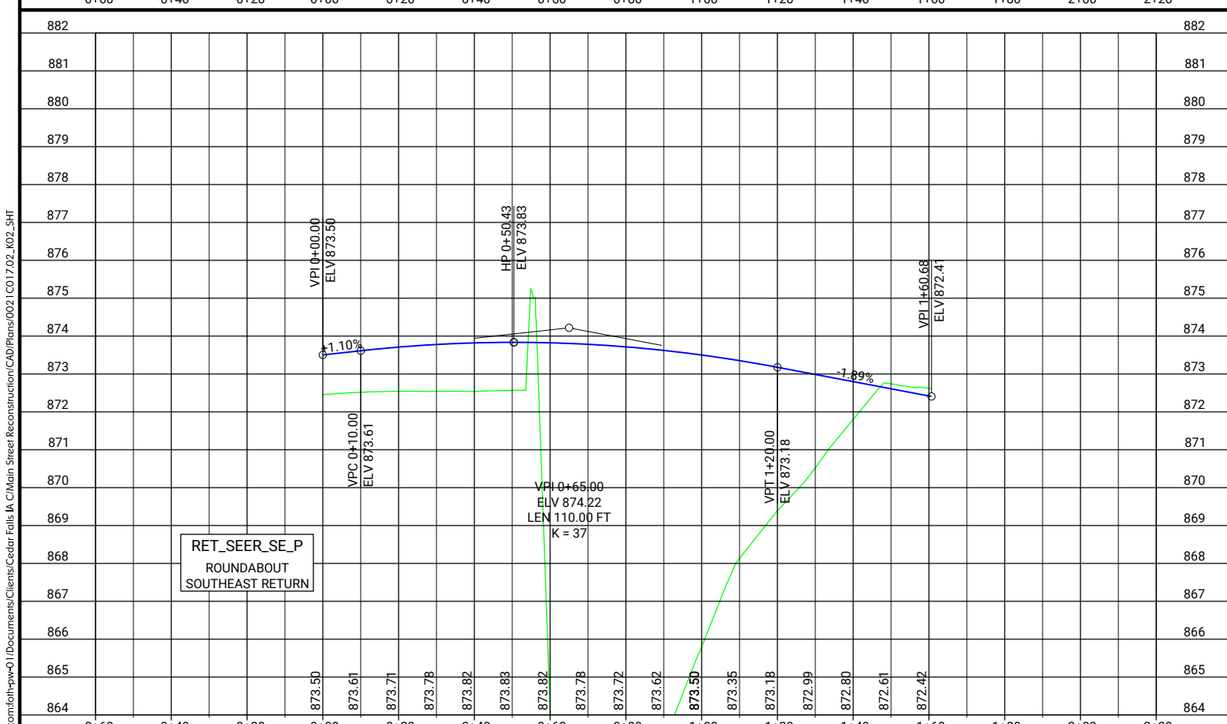

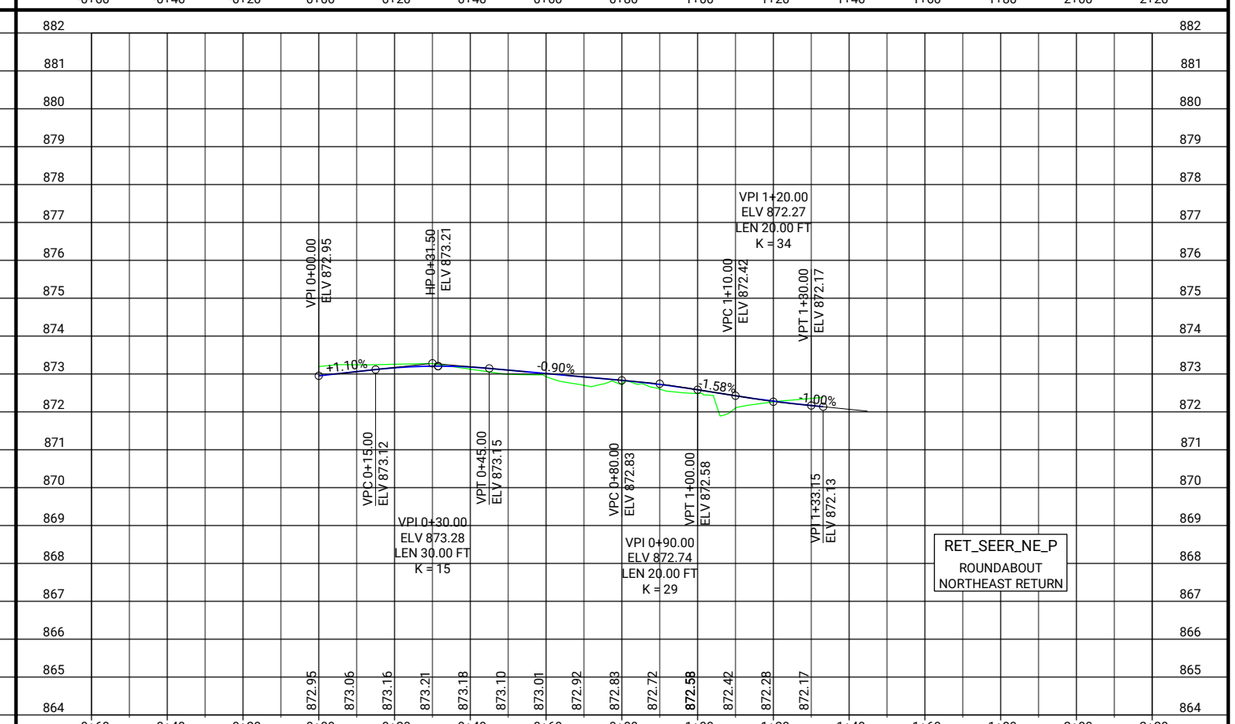

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

SEERLEY BOULEVARD ROUNDABOUT
PLAN AND PROFILE

SHEET NO.
K.13
STBG-SWAP-1185(657)

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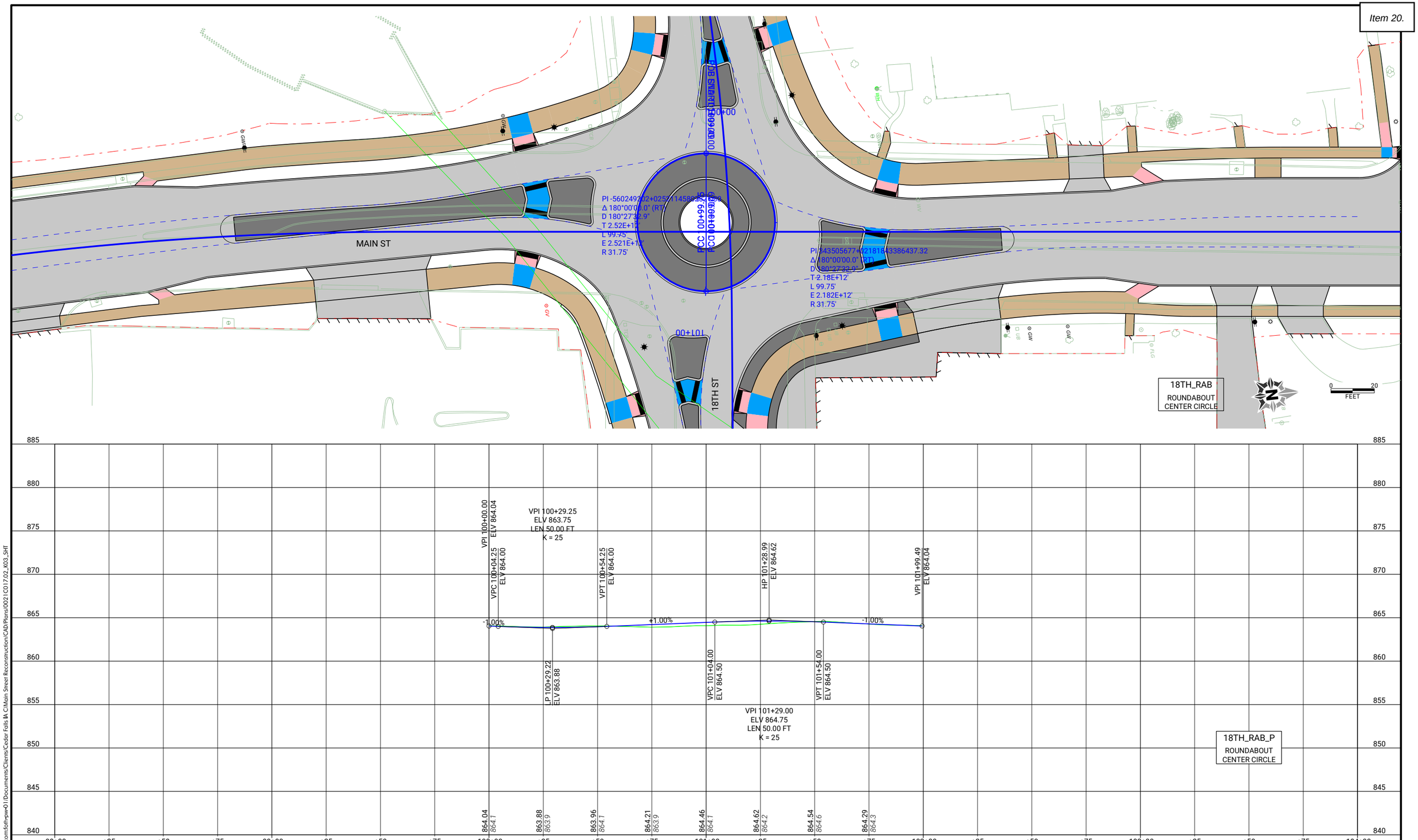

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

18TH STREET ROUNDABOUT
PLAN AND PROFILE

SHEET NO.
K.14

STBG-SWAP-1185(657

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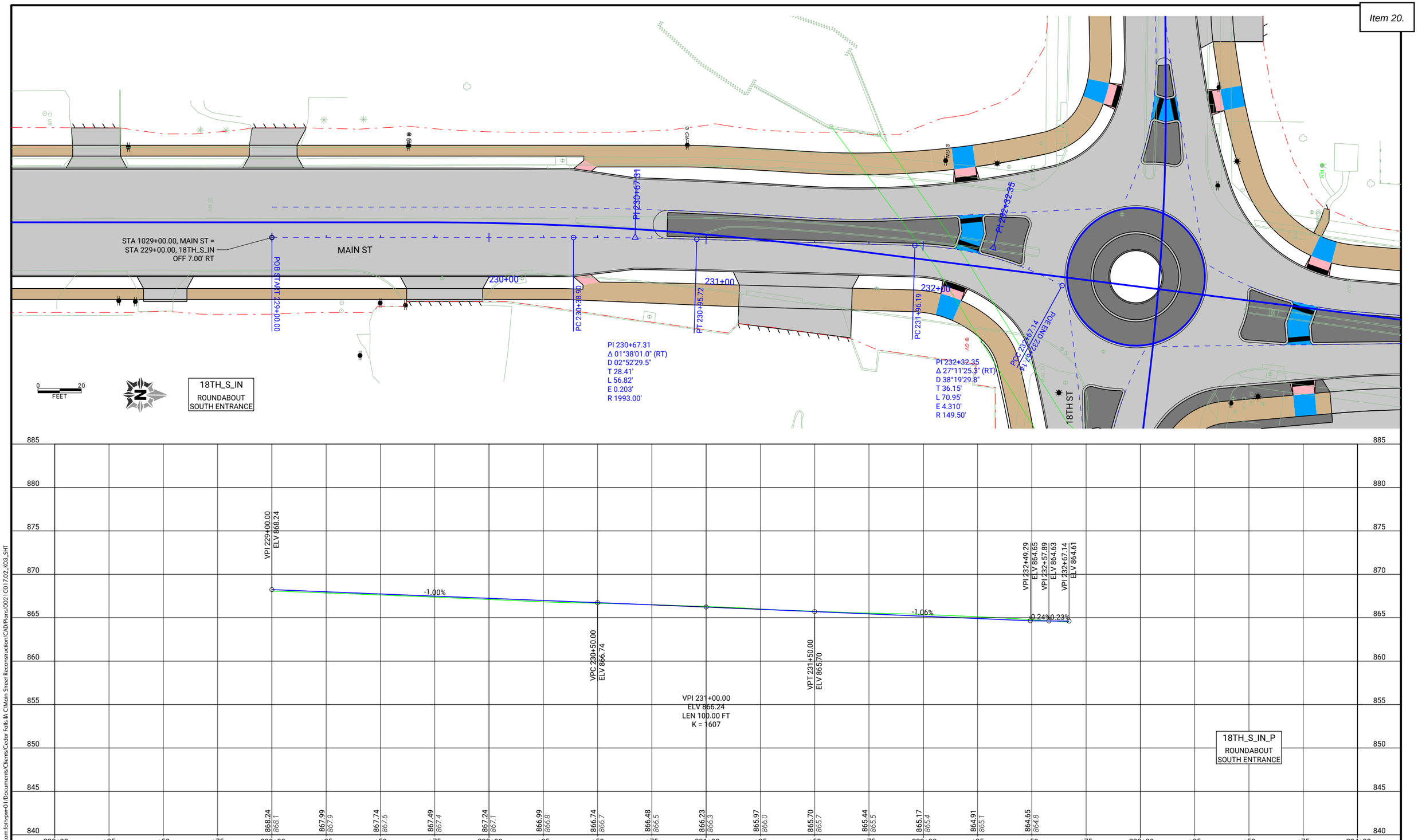

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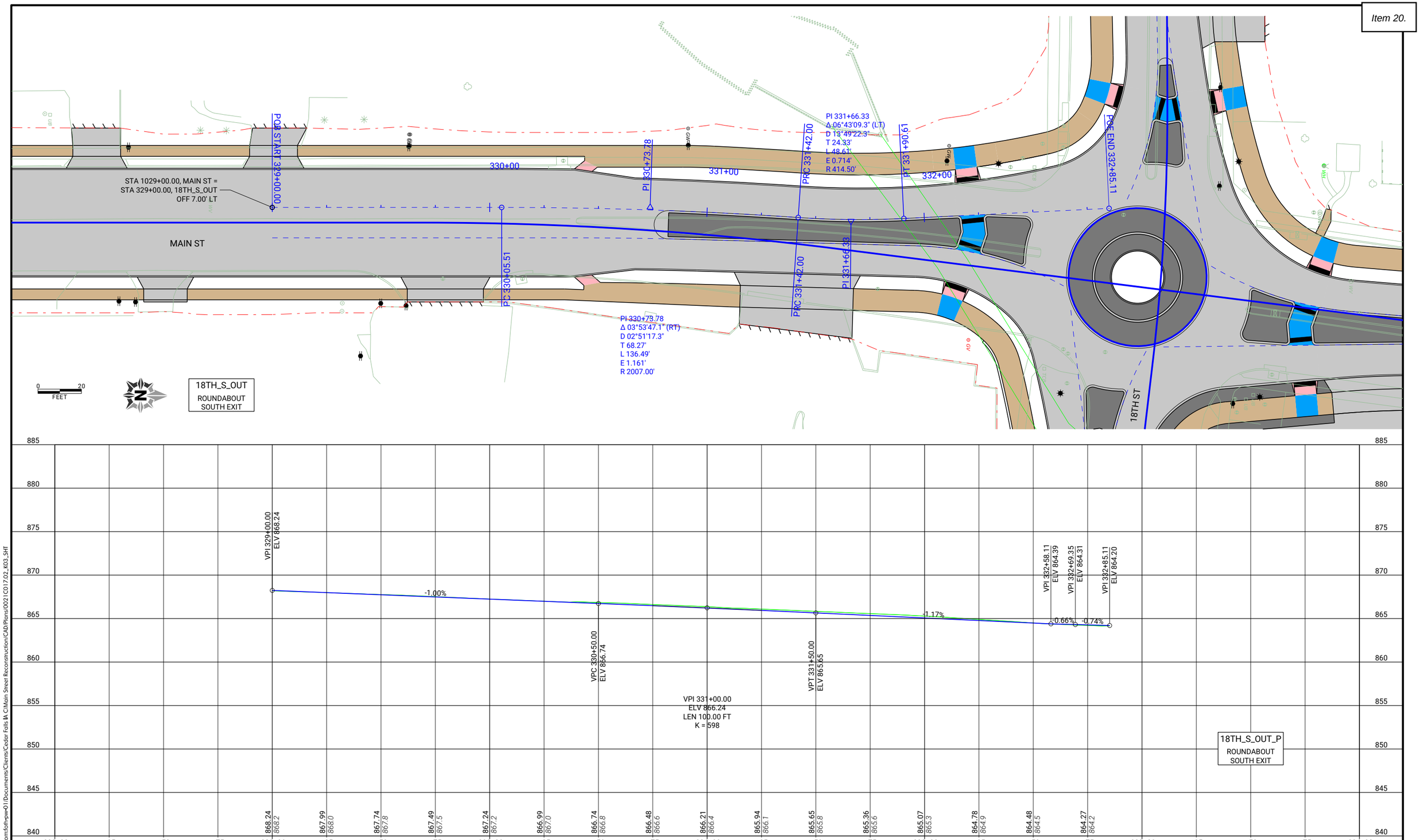
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

18TH STREET ROUNDABOUT
PLAN AND PROFILE

SHEET NO.
K.15

STBG-SWAP-1185(657



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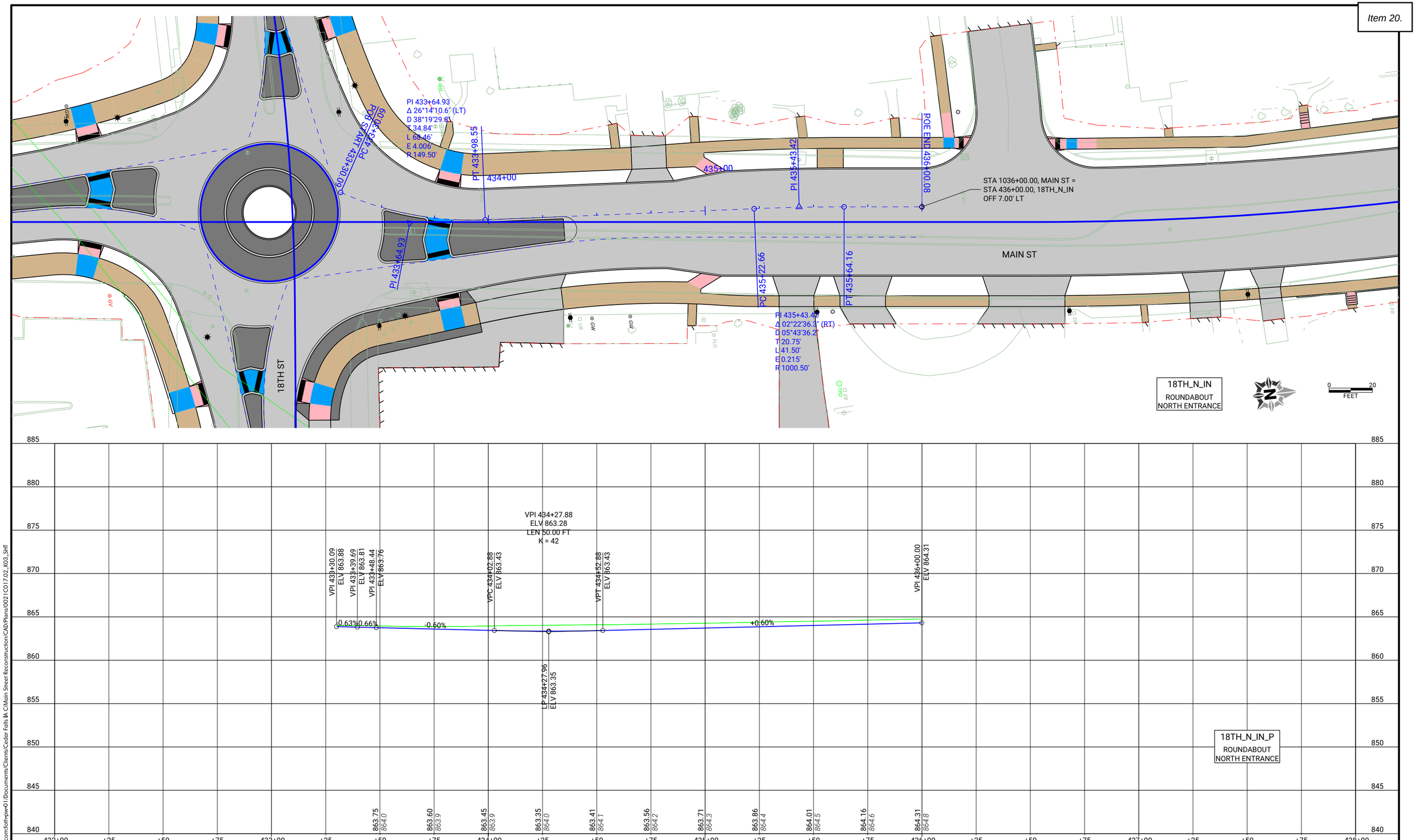
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

18TH STREET ROUNDABOUT
PLAN AND PROFILE

SHEET NO.
K.16
STBG-SWAP-1185(657



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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: T. LECLAIR	CHECKED BY: C. CARPER	DRAWN BY: T. LECLAIR	
LETTING DATE: 11/15/2022	CAD DATE: 8/30/2022	3:17:31 PM	
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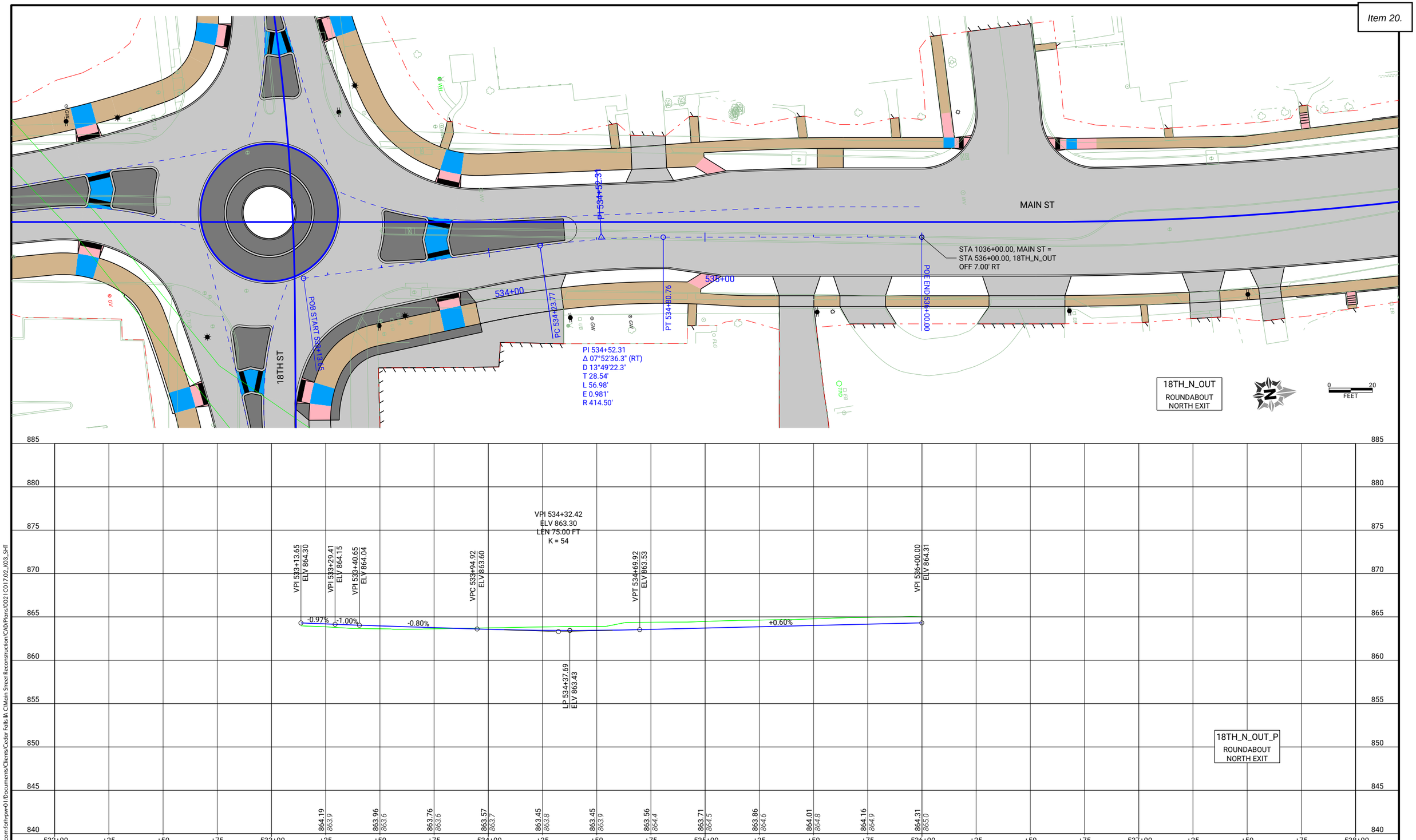
NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

18TH STREET ROUNDABOUT
PLAN AND PROFILE

SHEET NO.
K.17



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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

18TH STREET ROUNDABOUT
PLAN AND PROFILE

SHEET NO.
K.18

STBG-SWAP-1185(657

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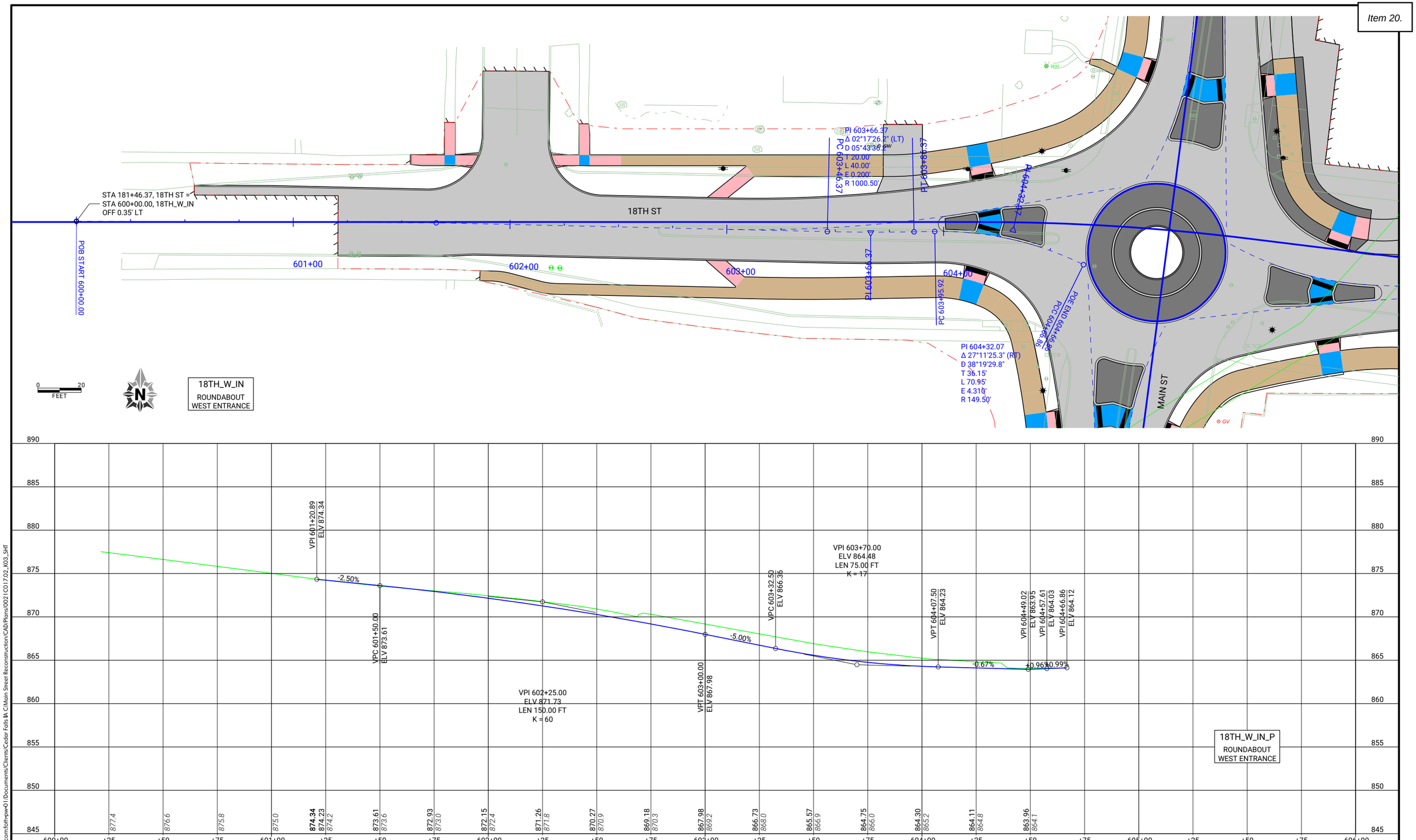

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

18TH STREET ROUNDABOUT
PLAN AND PROFILE

SHEET NO.
K.19

STBG-SWAP-1185(657

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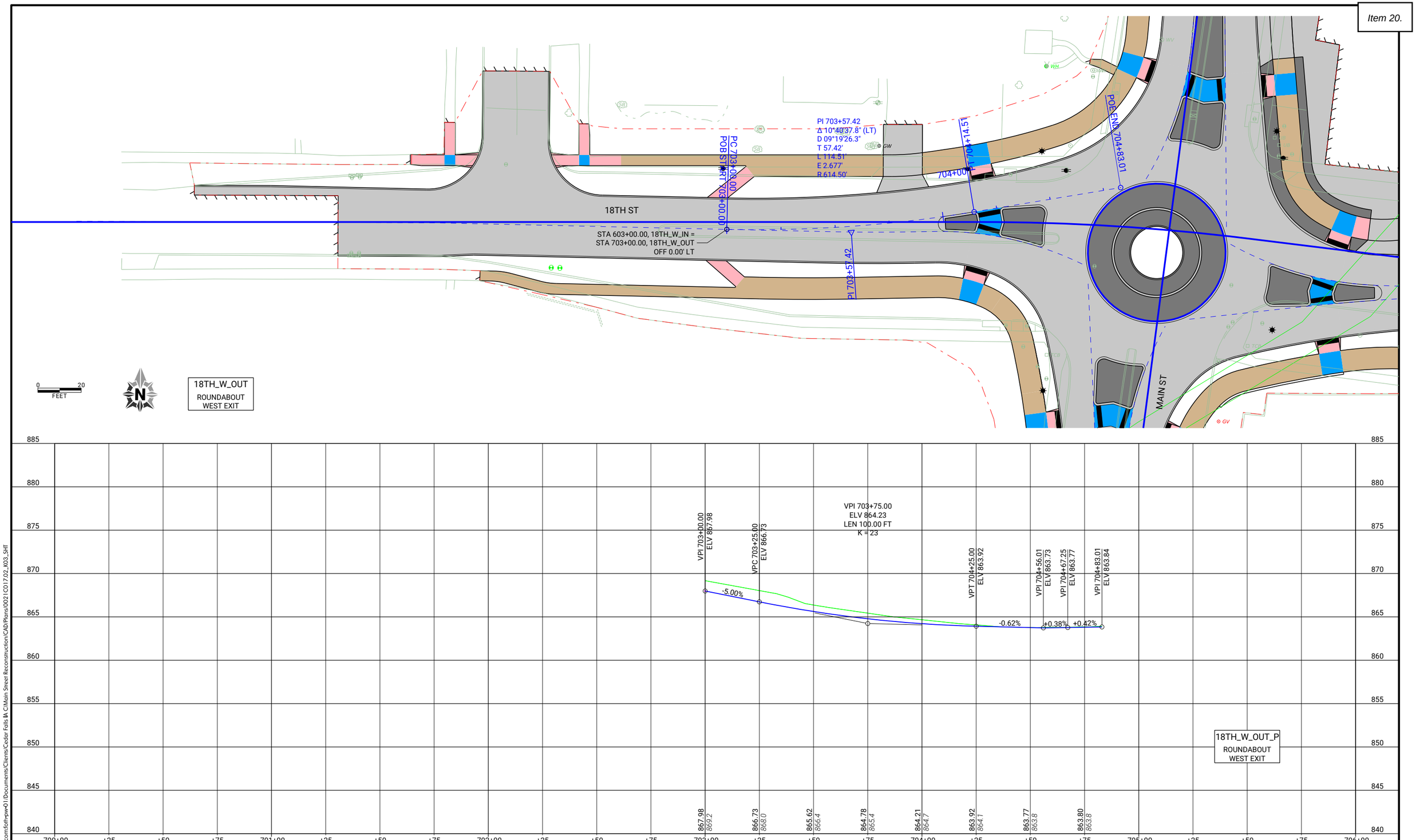

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

18TH STREET ROUNDABOUT
PLAN AND PROFILE

SHEET NO.
K.20
STBG-SWAP-1185(657

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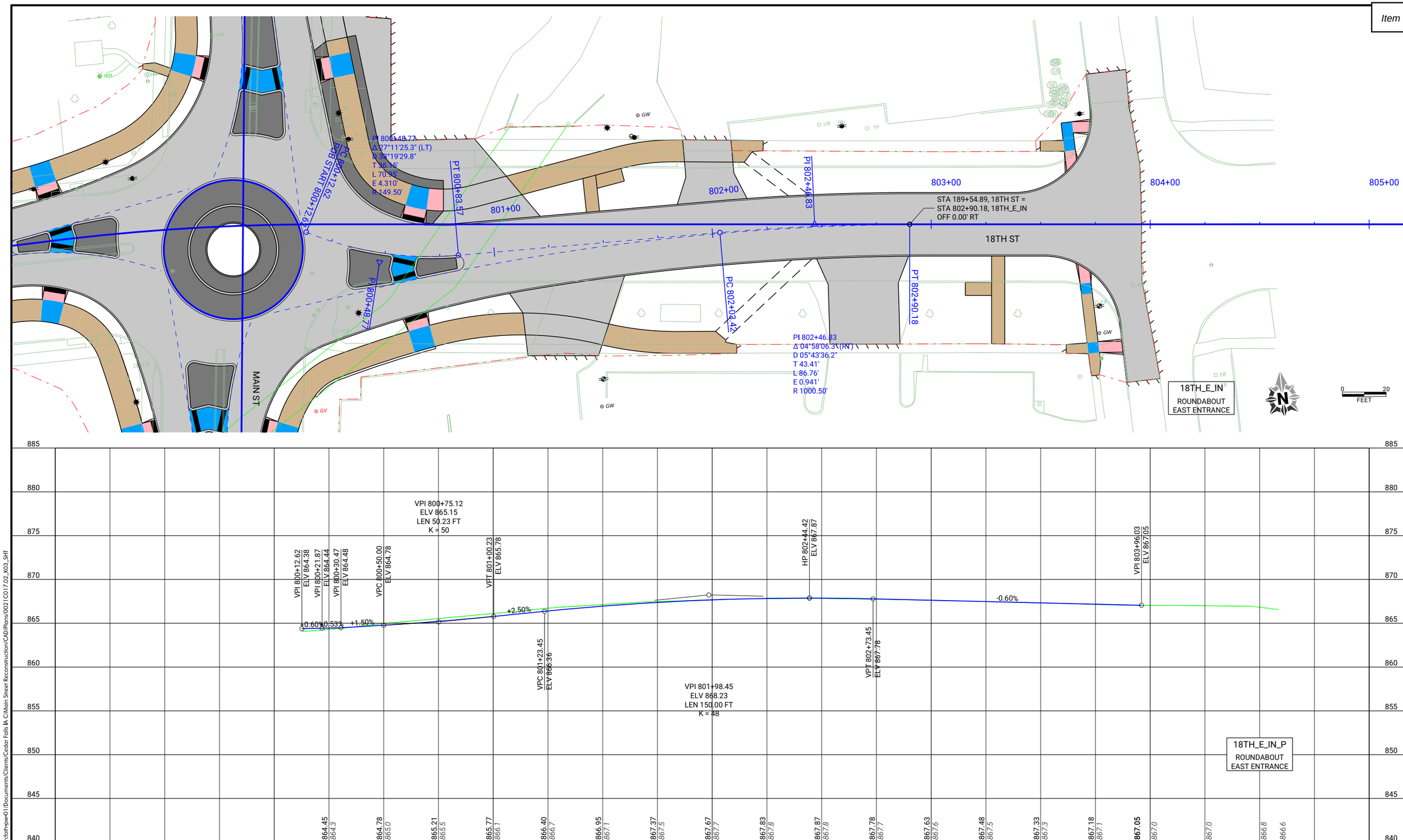

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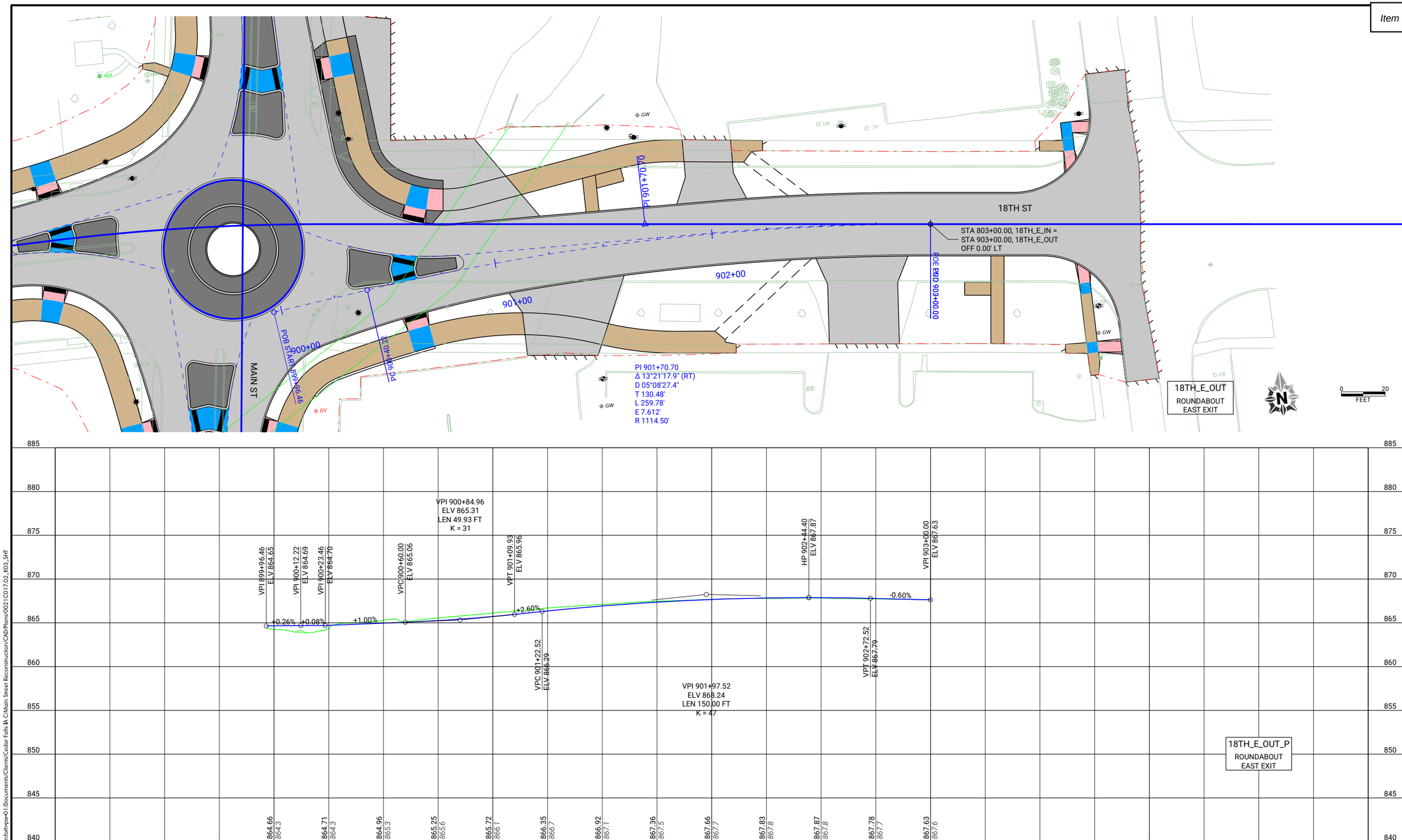
NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

18TH STREET ROUNDABOUT
PLAN AND PROFILE

SHEET NO.
K.21
STBG-SWAP-1185(657



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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

18TH STREET ROUNDABOUT
PLAN AND PROFILE

SHEET NO.
K.22
STBG-SWAP-1185(657

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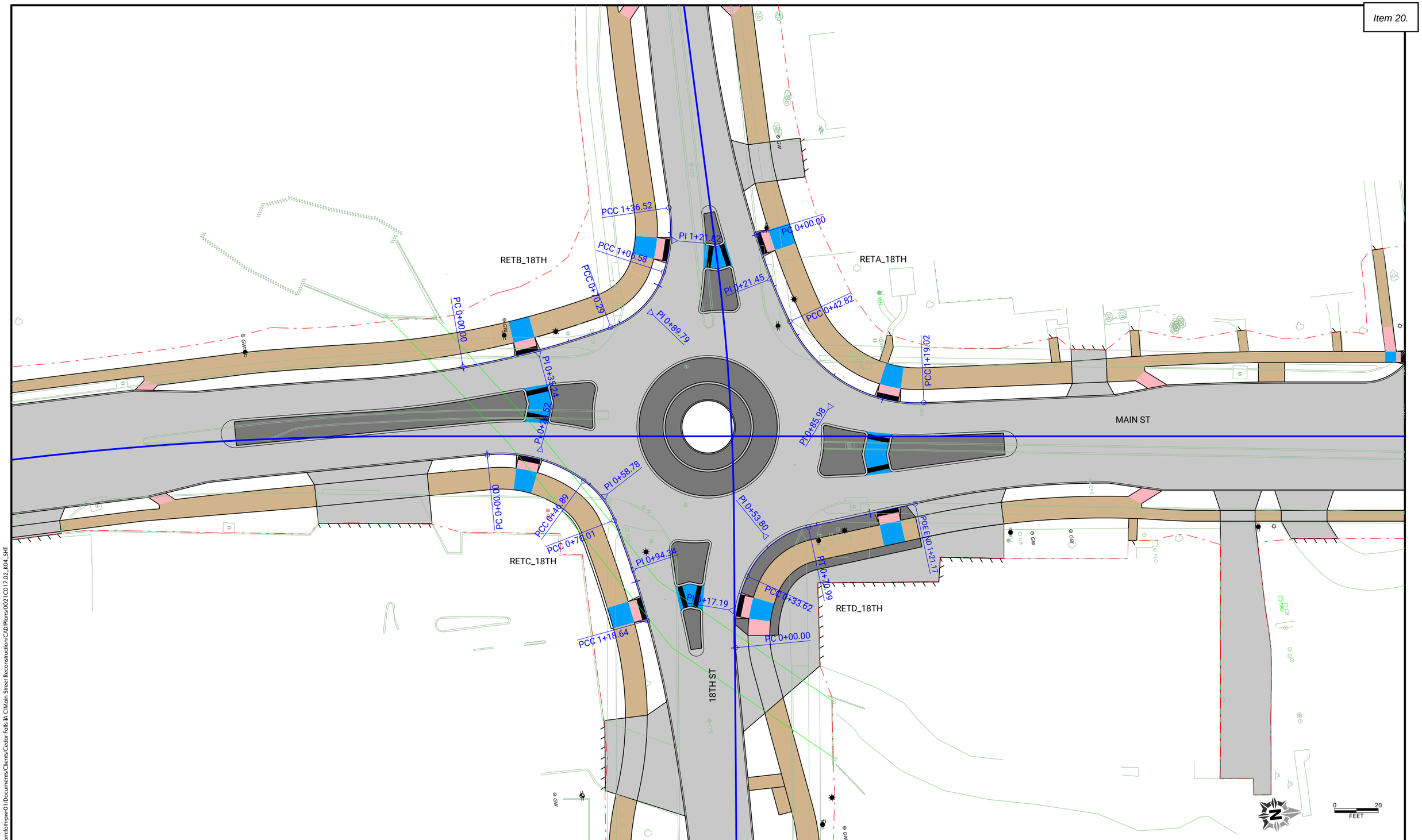

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

18TH STREET ROUNDABOUT
PLAN AND PROFILE

SHEET NO.
K.23

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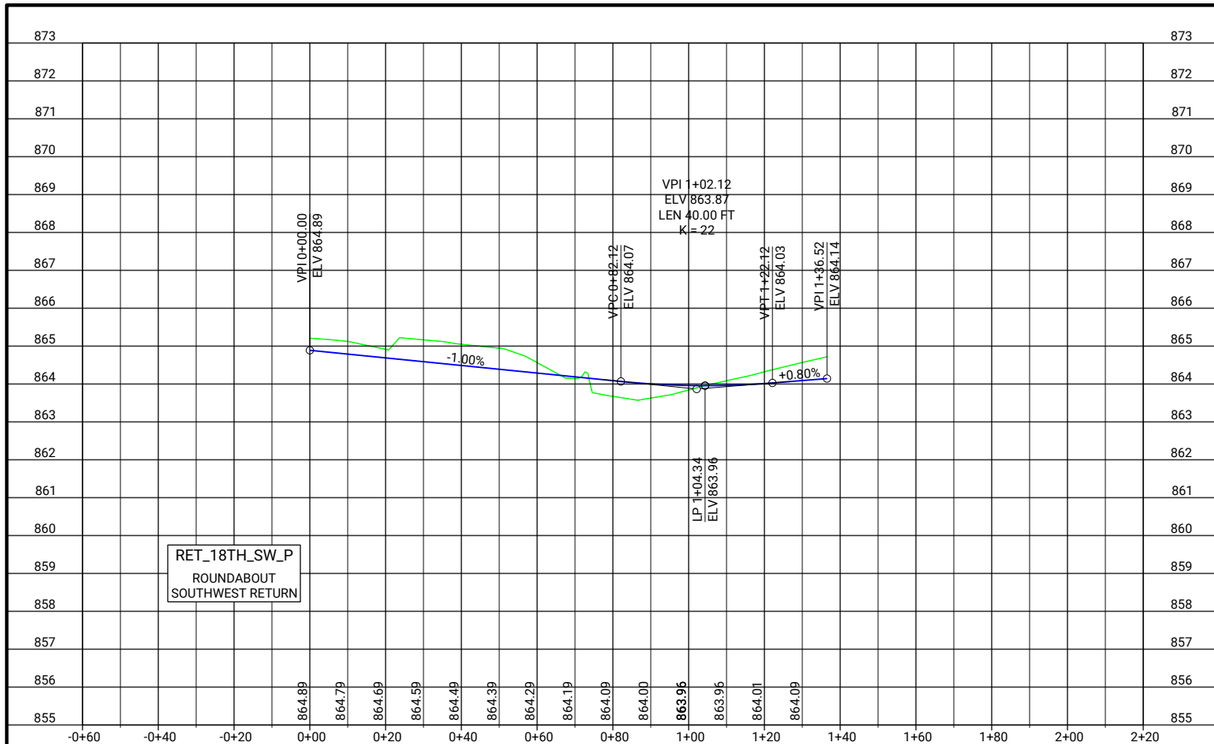

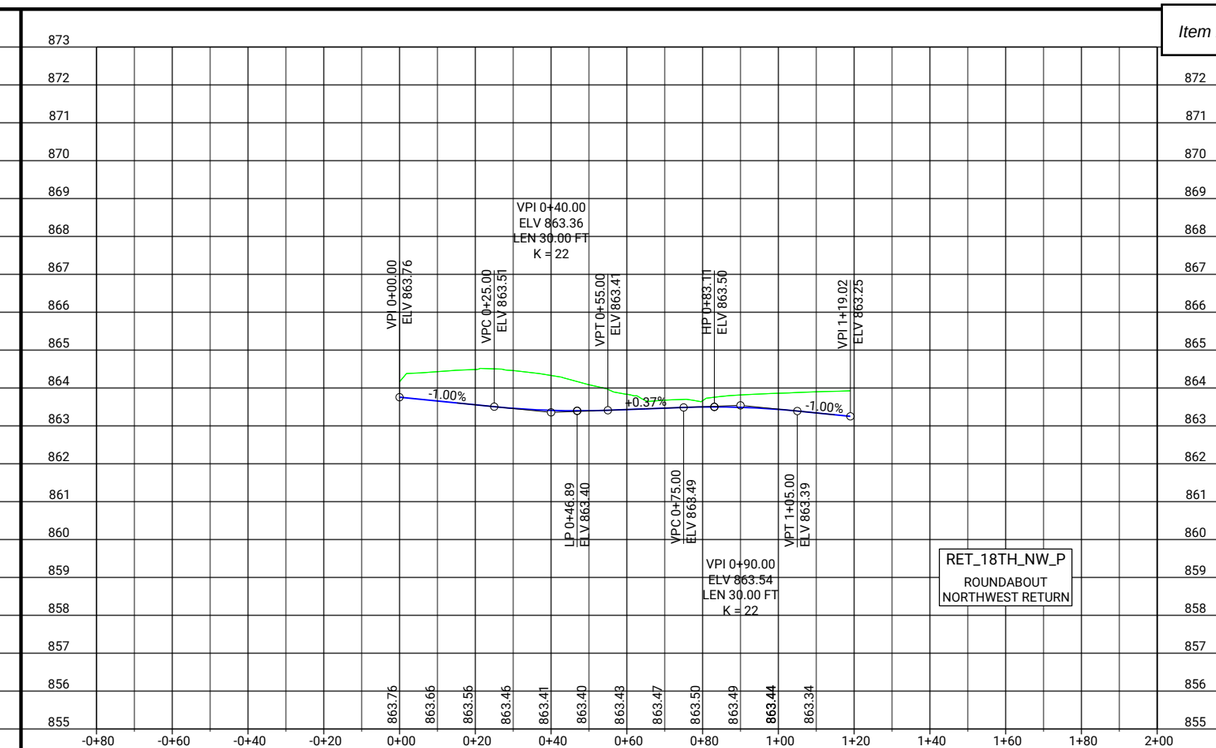

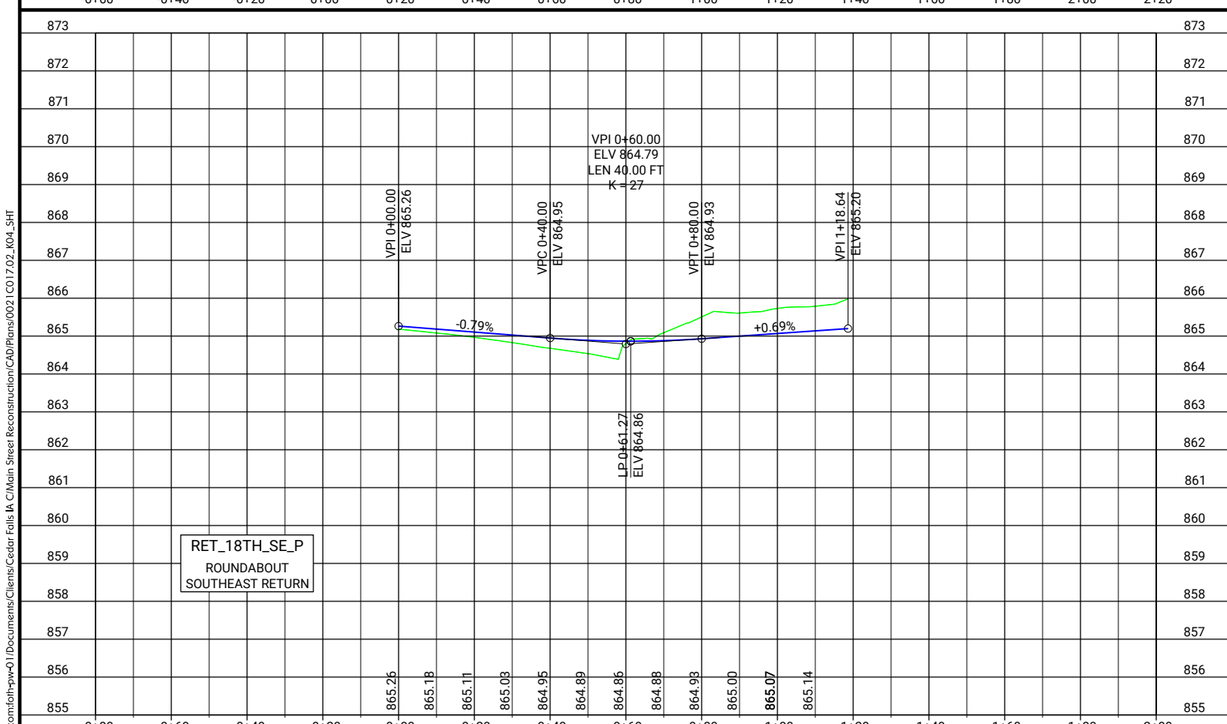

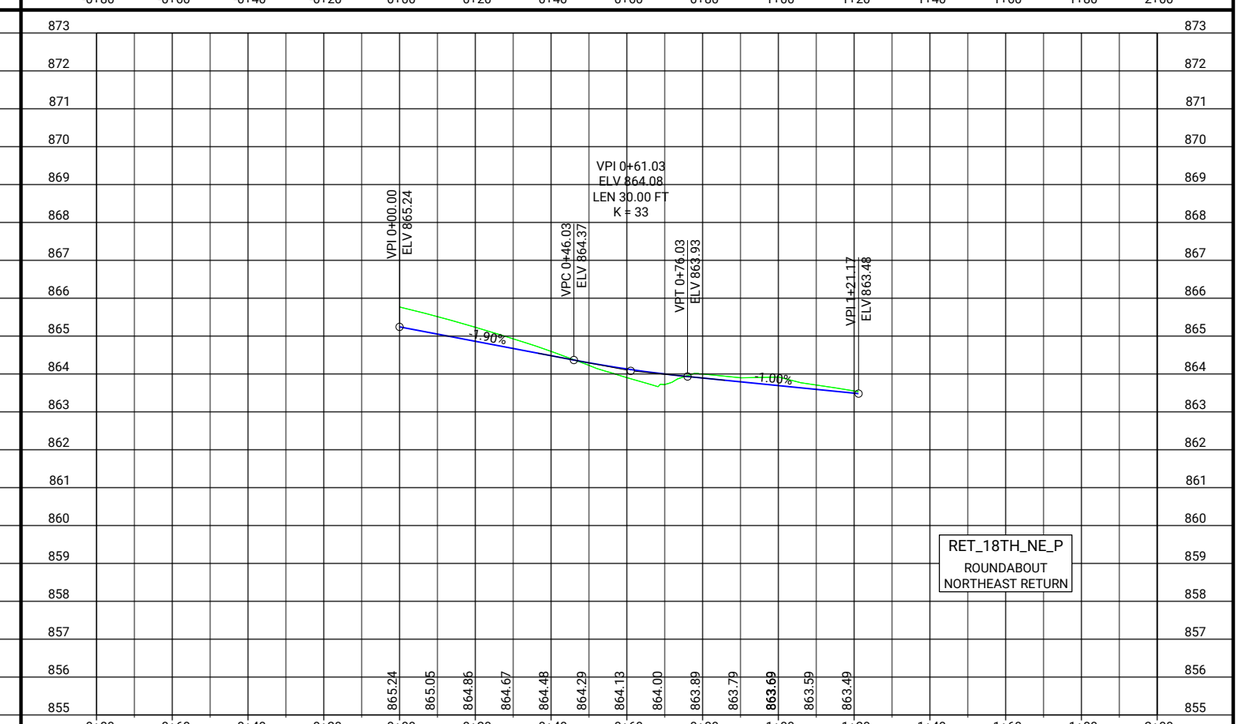

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

18TH STREET ROUNDABOUT
PLAN AND PROFILE

SHEET NO.
K.24
STBG-SWAP-1185(657

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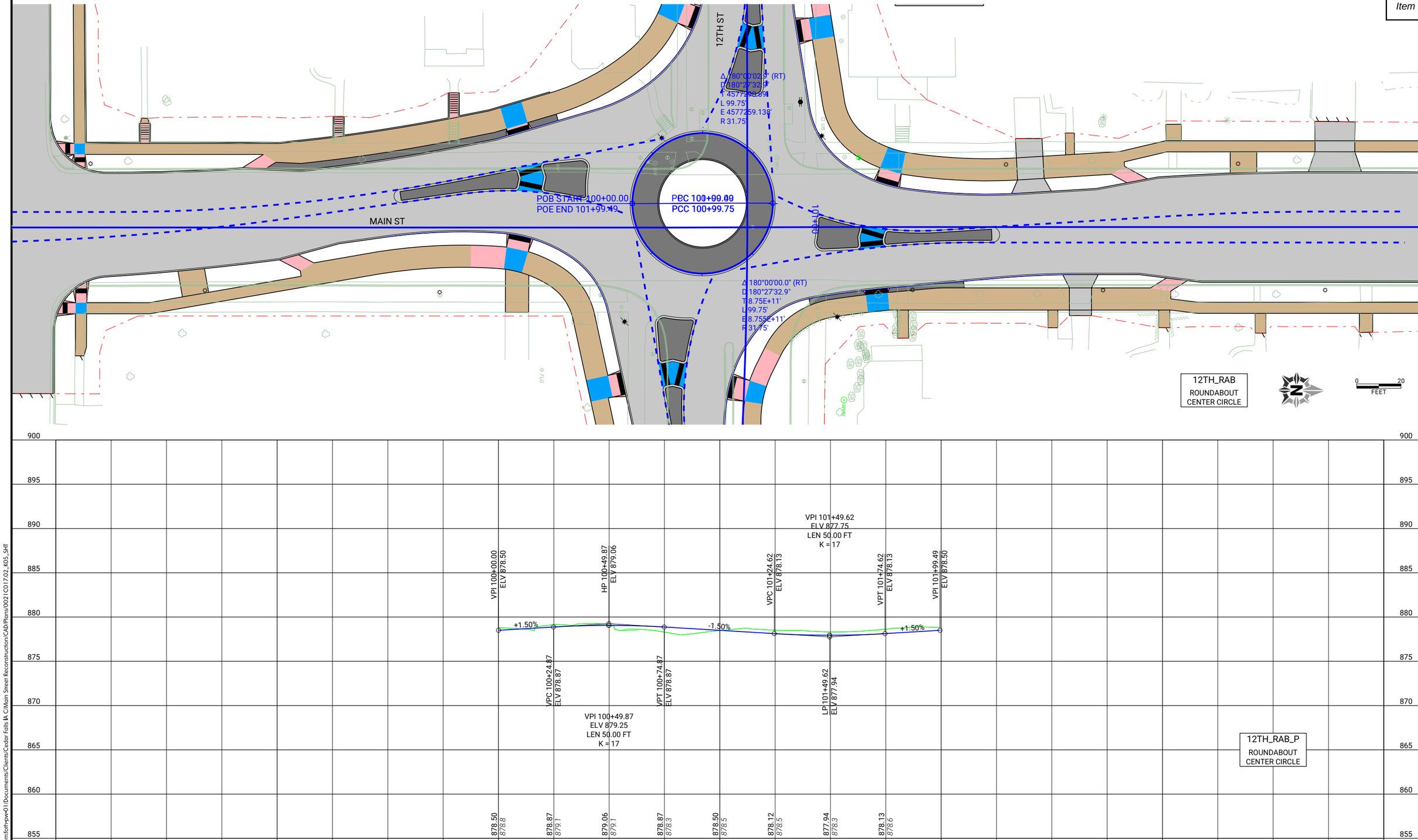

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

12TH STREET ROUNDABOUT
PLAN AND PROFILE

SHEET NO.
K.25
STBG-SWAP-1185(657)

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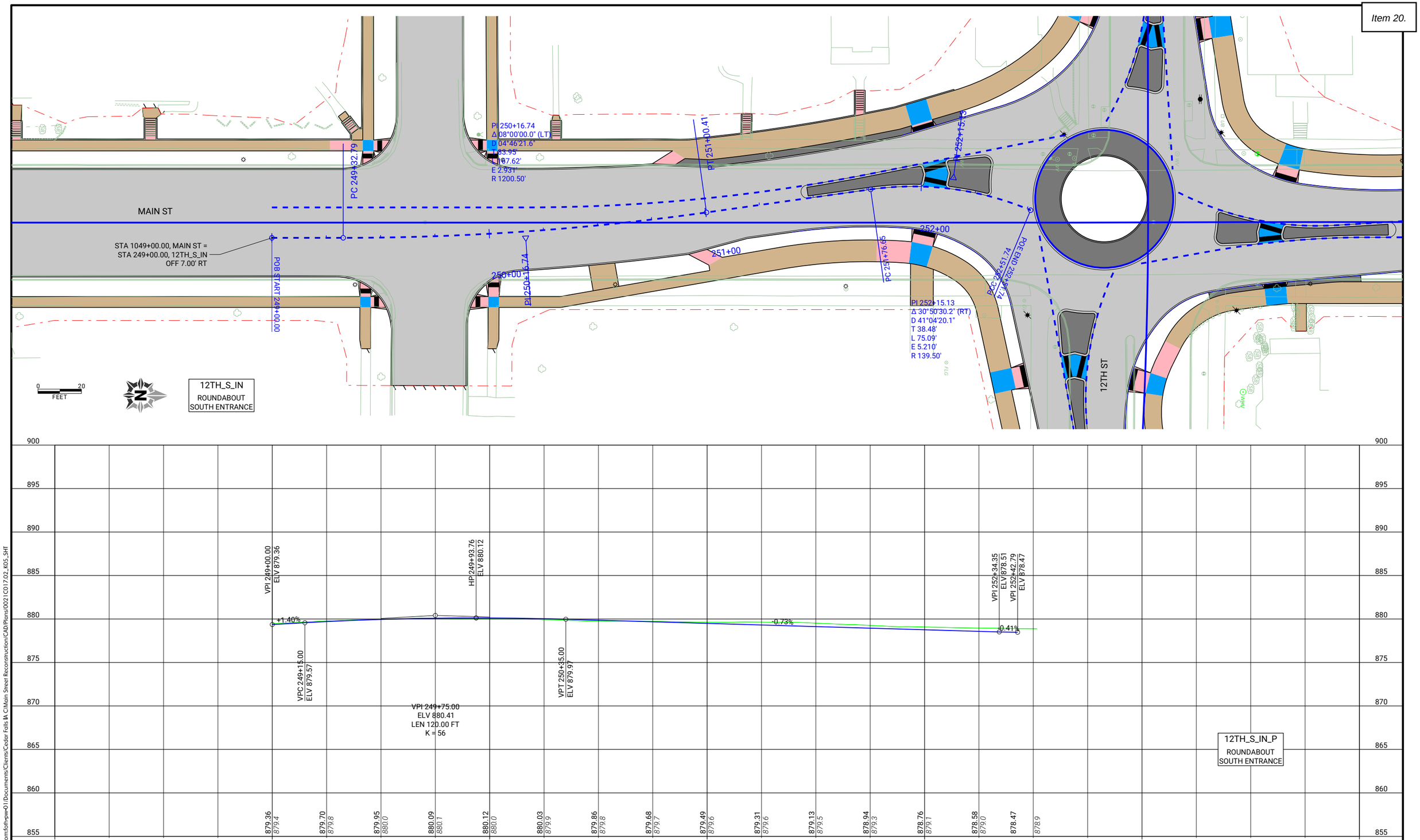

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DESIGNED BY: T. LECLAIR CHECKED BY: C. CARPER DRAWN BY: T. LECLAIR
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NO	DATE	BY	REVISION DESCRIPTION

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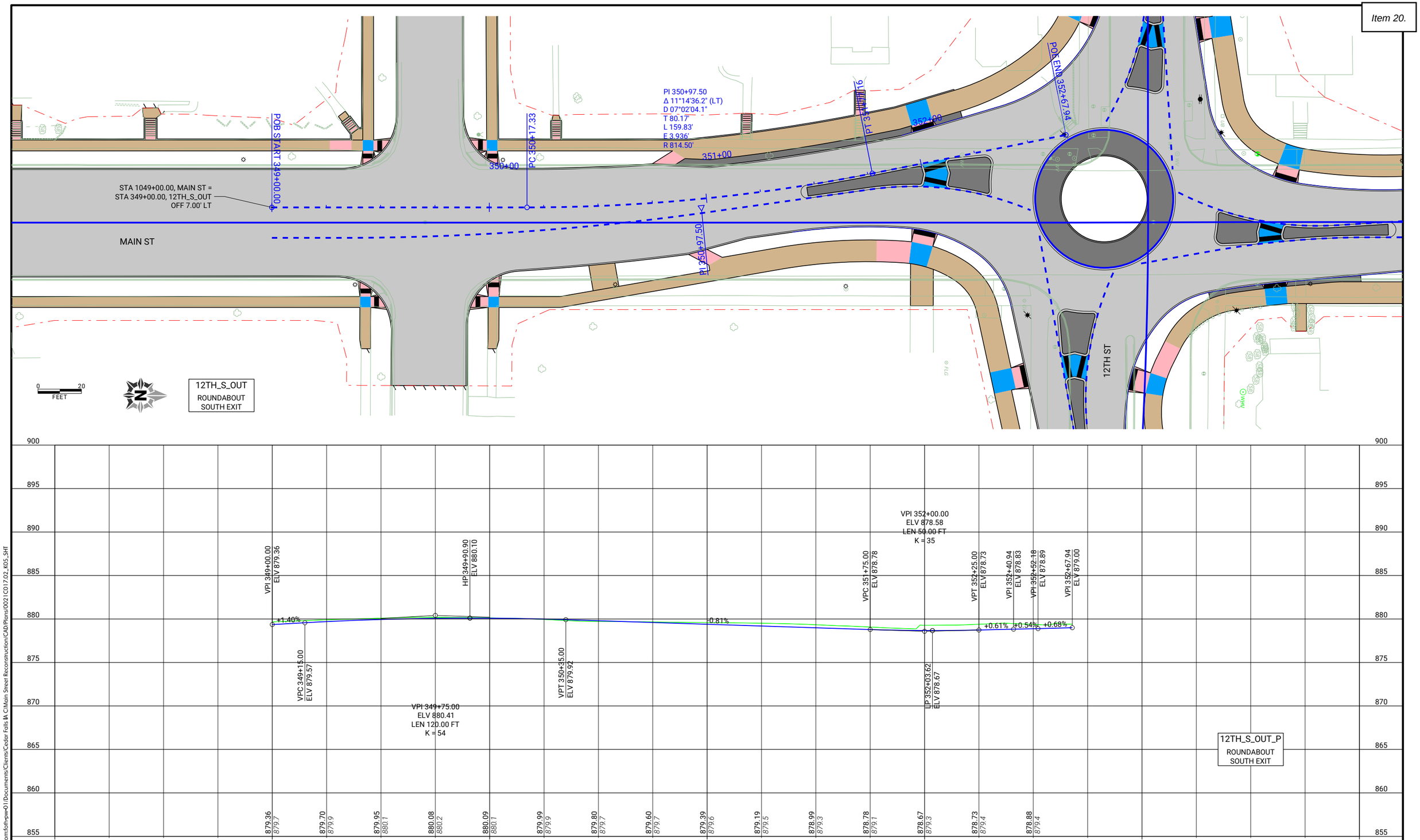
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

12TH STREET ROUNDABOUT
PLAN AND PROFILE

SHEET NO.
K.26
STBG-SWAP-1185(657



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LETTING DATE: 11/15/2022 CAD DATE: 8/30/2022 3:20:19 PM
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

12TH STREET ROUNDABOUT
PLAN AND PROFILE

SHEET NO.
K.27

STBG-SWAP-1185(657

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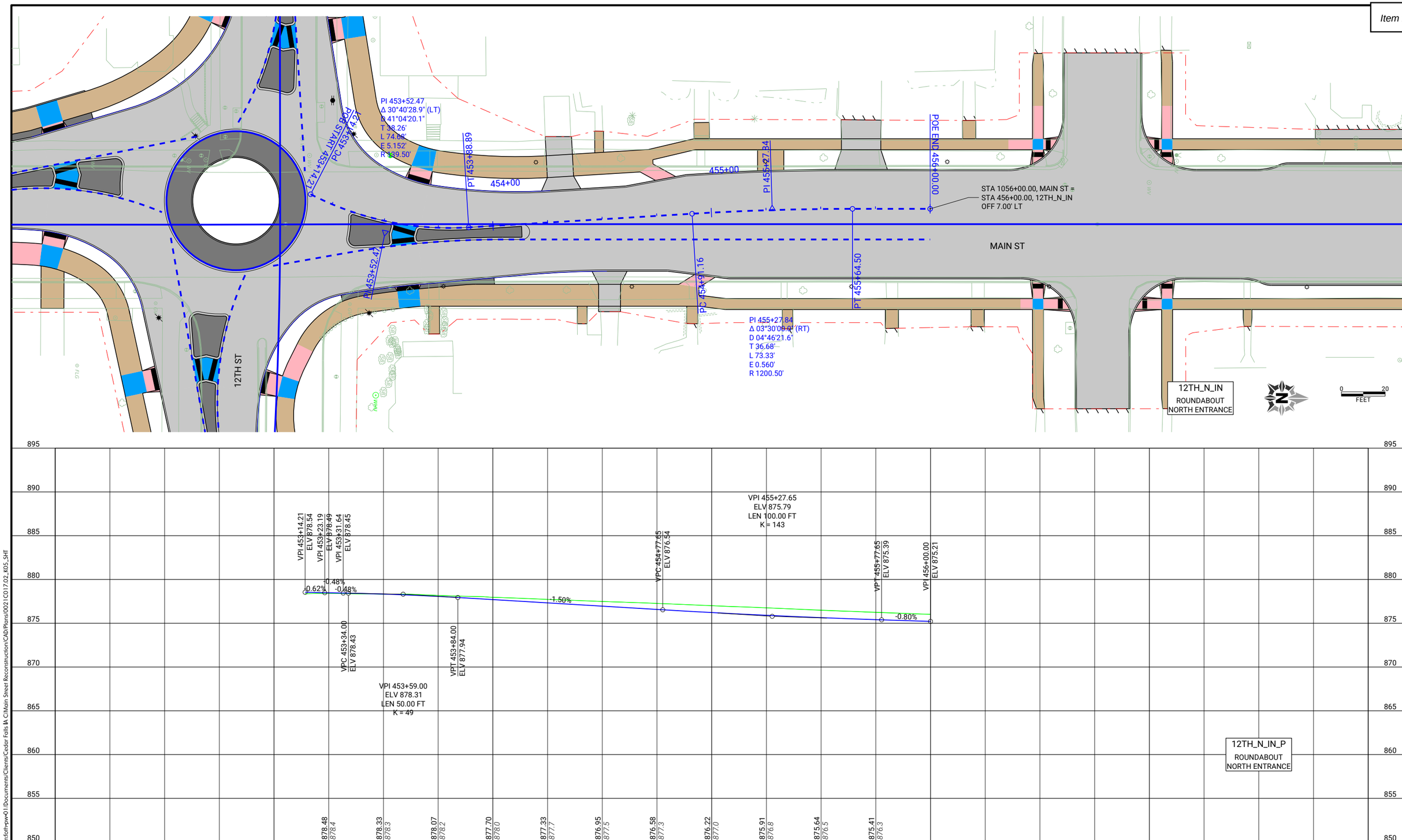

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

12TH STREET ROUNDABOUT
PLAN AND PROFILE

SHEET NO.
K.28
STBG-SWAP-1185(657

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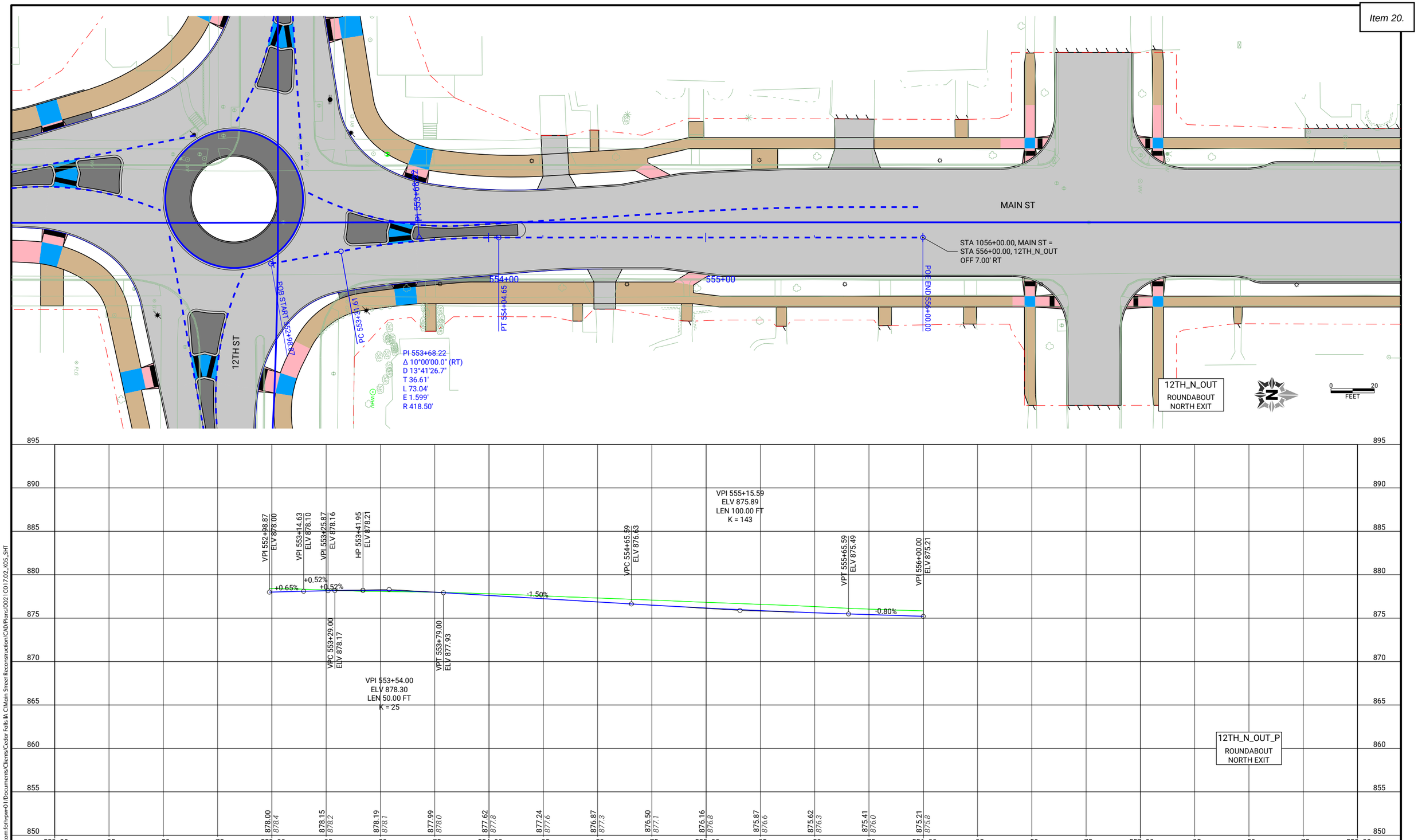

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

12TH STREET ROUNDABOUT
PLAN AND PROFILE

SHEET NO.
K.29

STBG-SWAP-1185(657

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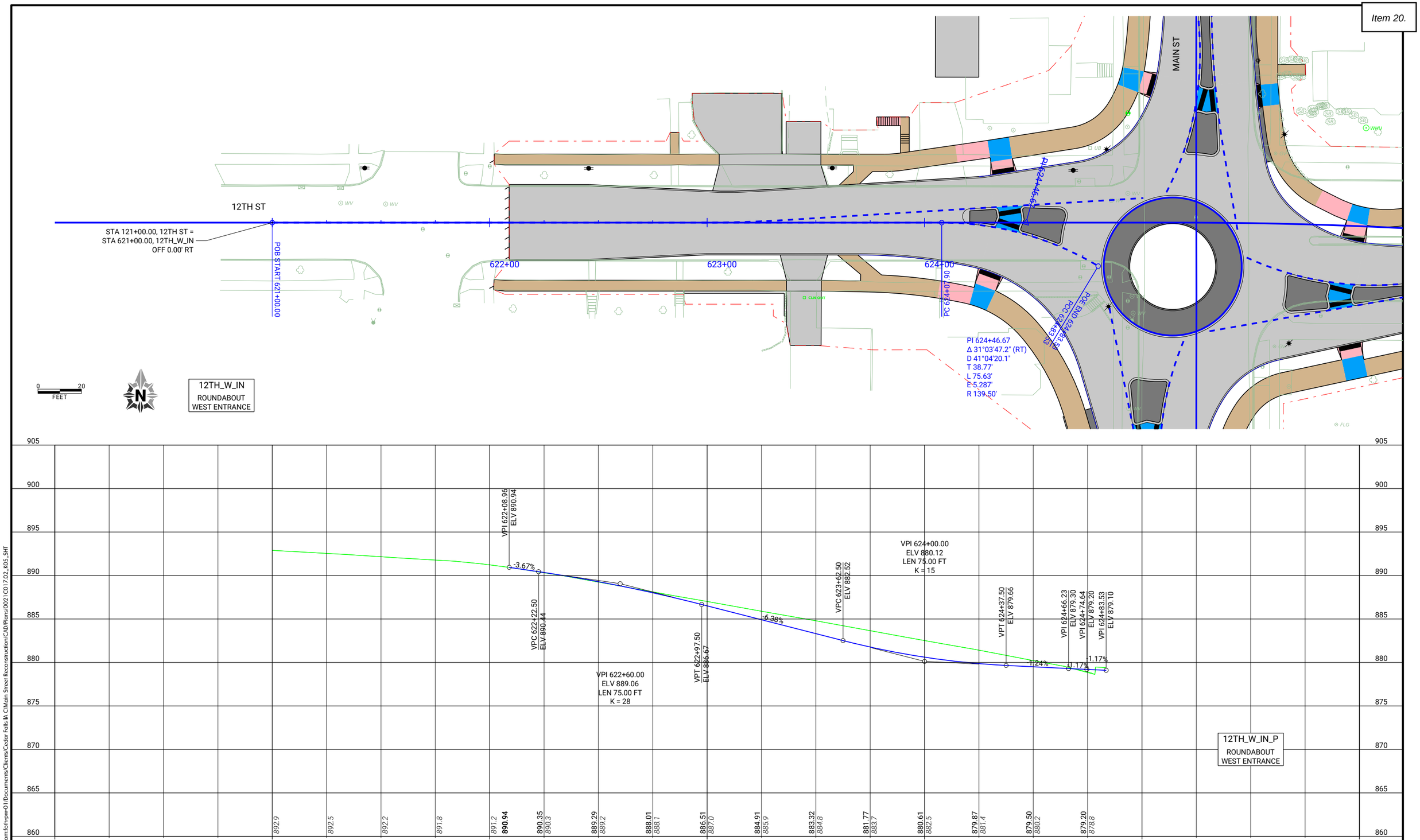

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DESIGNED BY: T. LECLAIR CHECKED BY: C. CARPER DRAWN BY: T. LECLAIR
LETTING DATE: 11/15/2022 CAD DATE: 8/30/2022 3:20:29 PM
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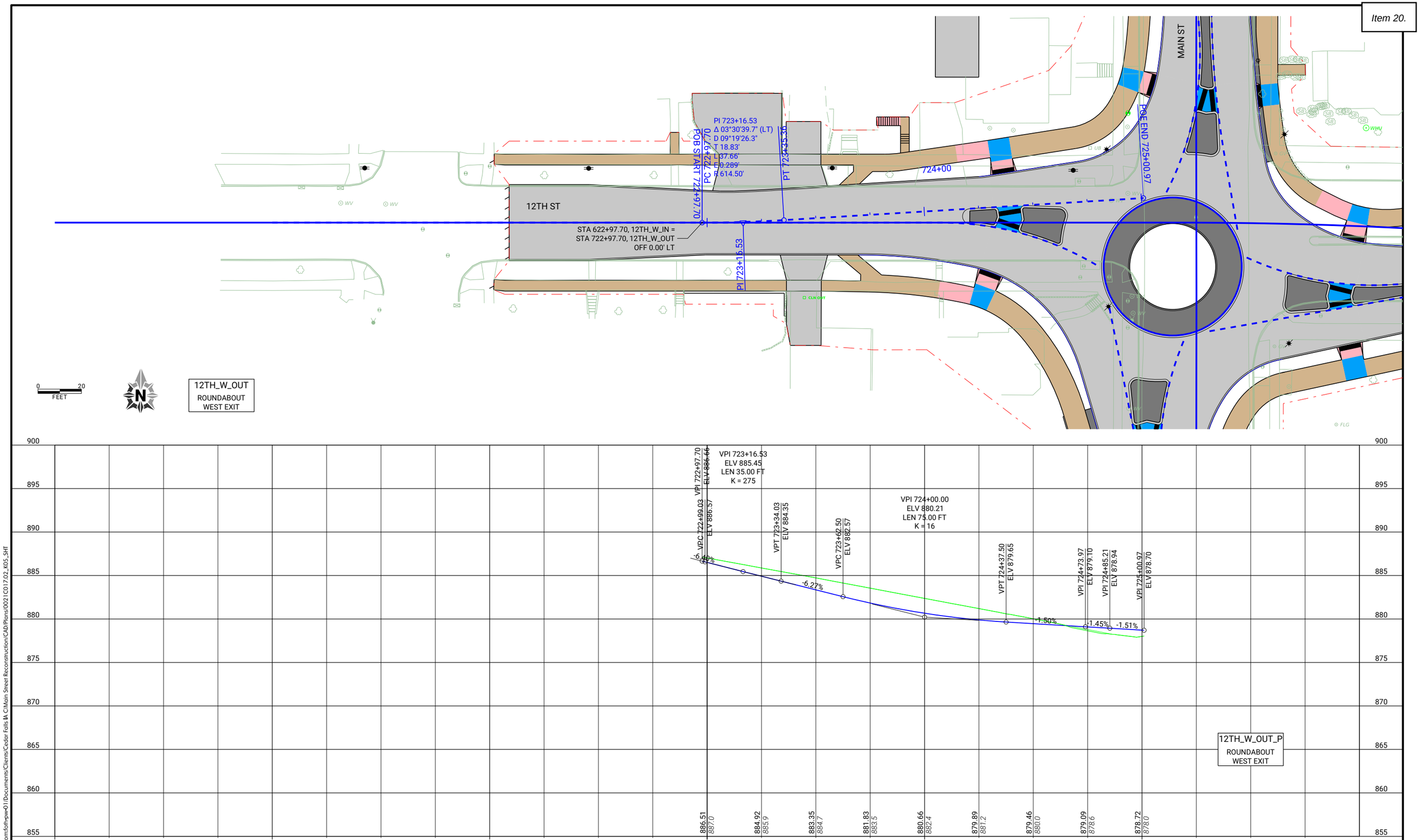
NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

12TH STREET ROUNDABOUT
PLAN AND PROFILE

SHEET NO.
K.30



CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

12TH STREET ROUNDABOUT
PLAN AND PROFILE

SHEET NO.
K.31
STBG-SWAP-1185(657

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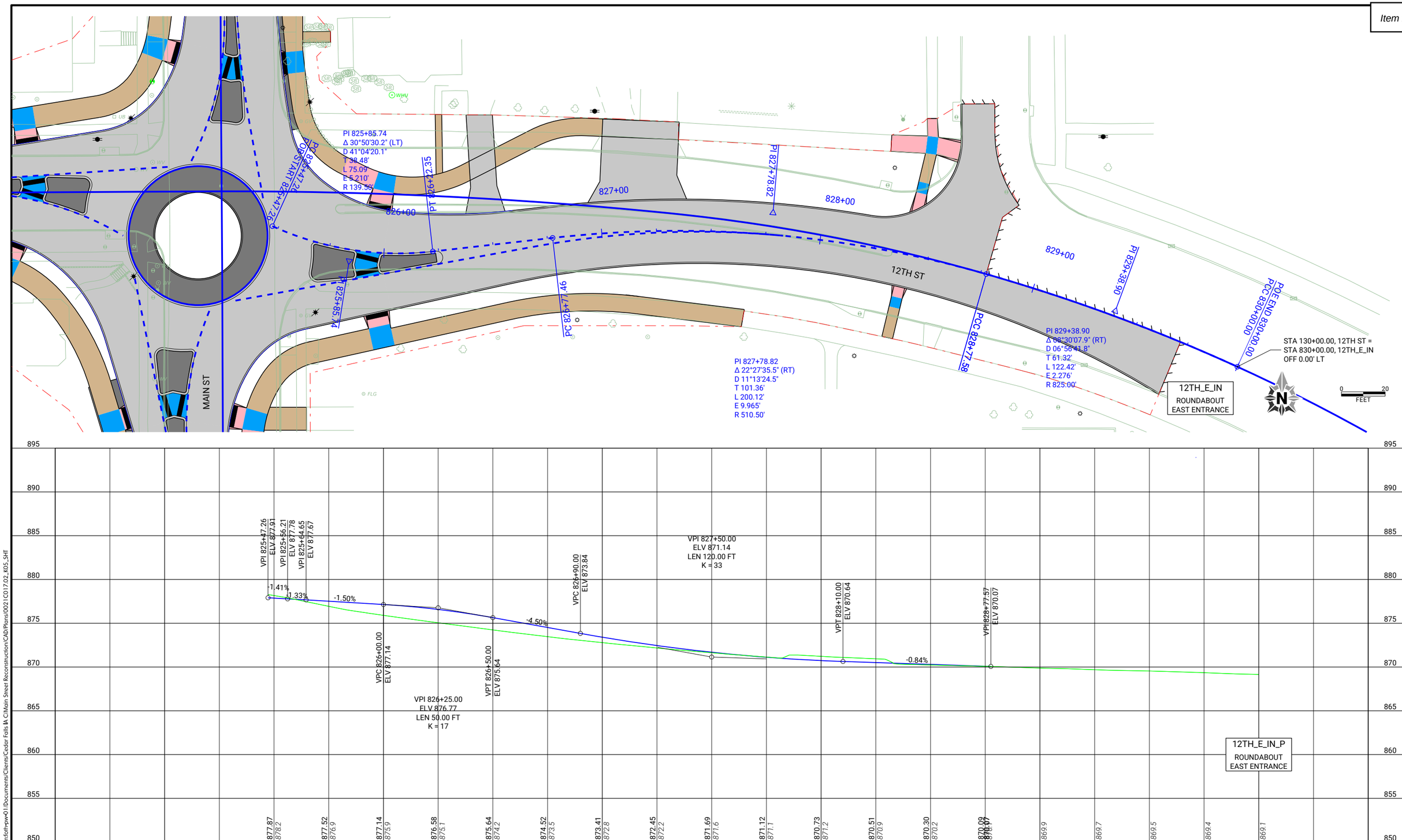

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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: T. LECLAIR	CHECKED BY: C. CARPER	DRAWN BY: T. LECLAIR	
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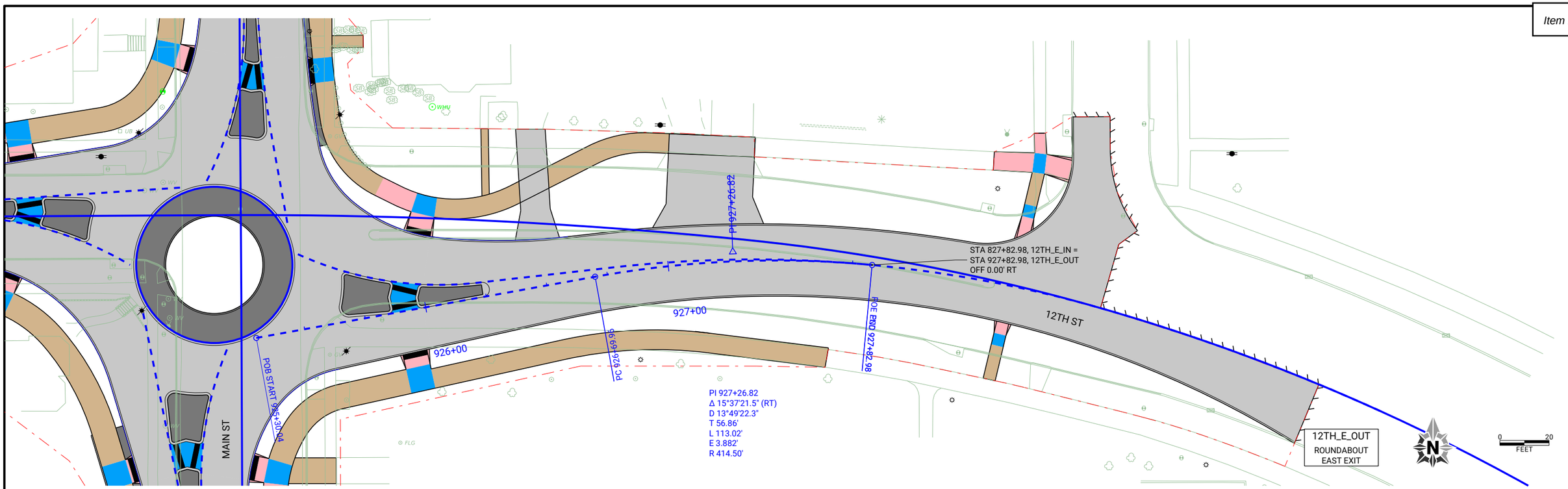
NO	DATE	BY	REVISION DESCRIPTION

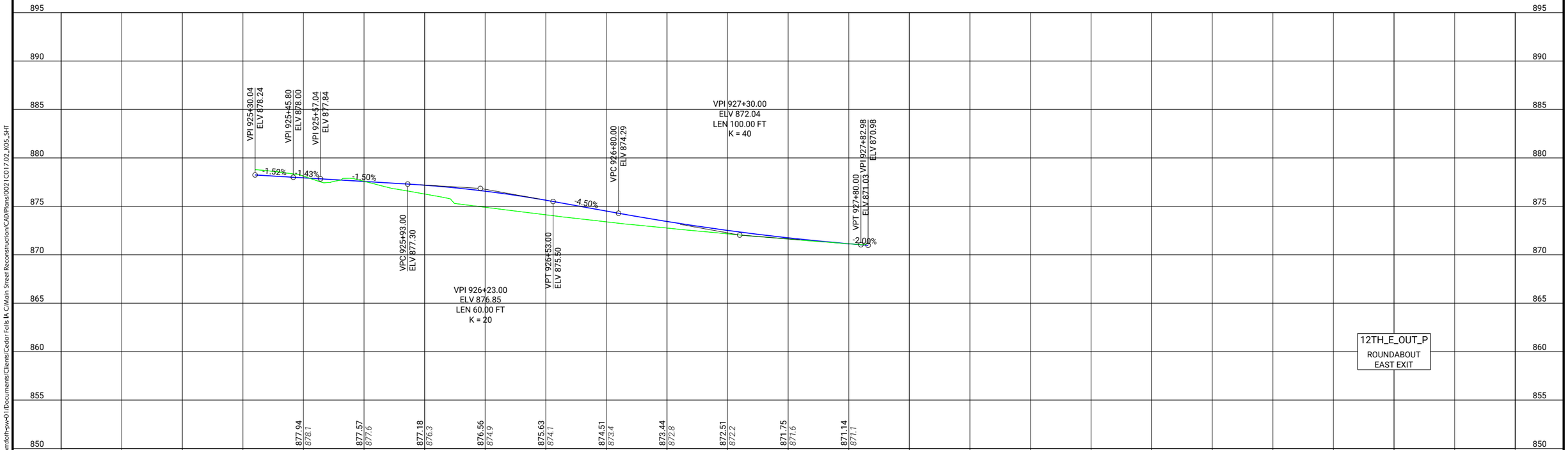
Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

12TH STREET ROUNDABOUT
PLAN AND PROFILE

SHEET NO.
K.32
STBG-SWAP-1185(657





CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: T. LECLAIR CHECKED BY: C. CARPER DRAWN BY: T. LECLAIR
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

12TH STREET ROUNDABOUT
PLAN AND PROFILE

SHEET NO.
K.33
STBG-SWAP-1185(657

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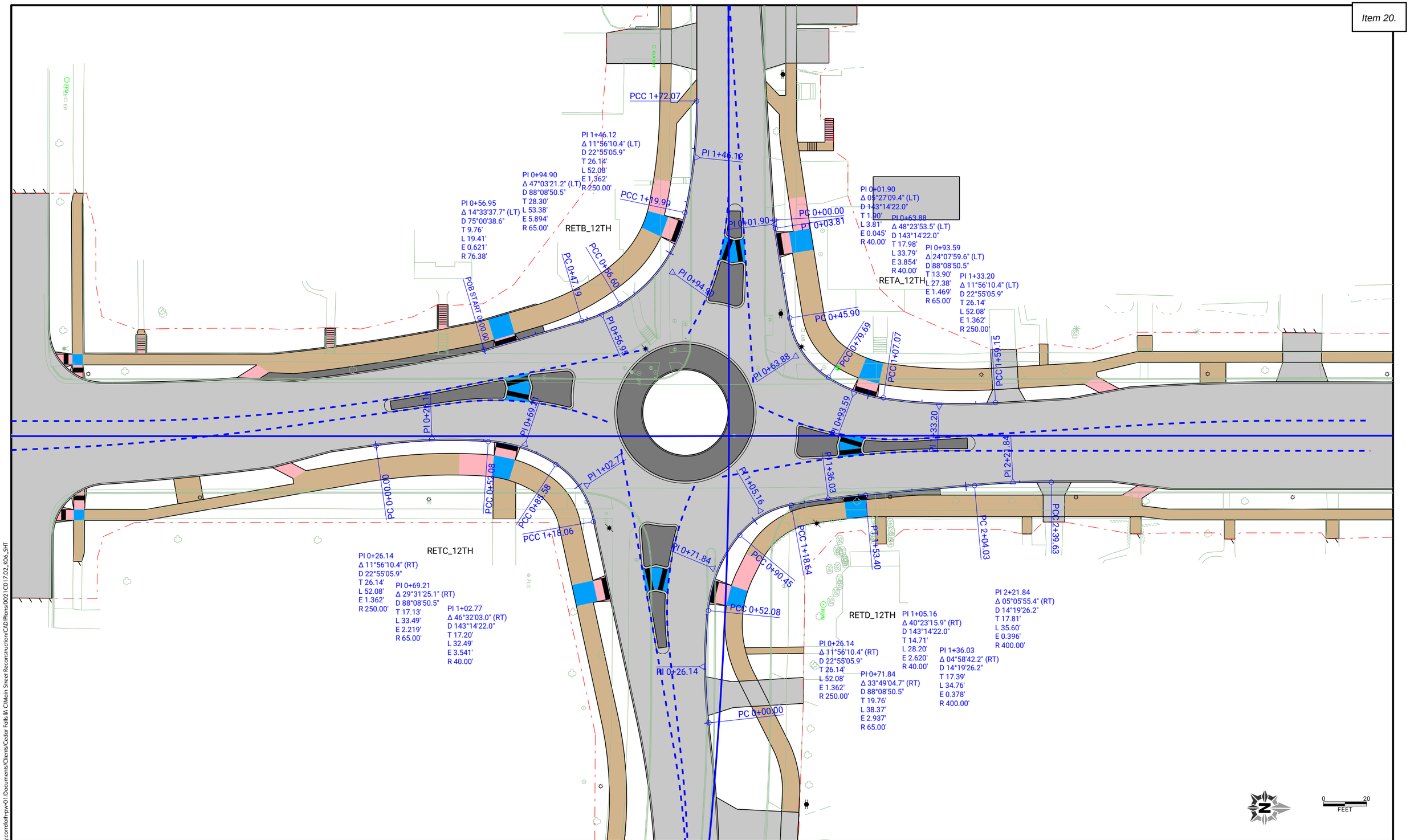

CLIENT PROJECT NO:	STBG-SWAP-1185(657)--SG--07
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DESIGNED BY:	T. LECLAIR
CHECKED BY:	C. CARPER
DRAWN BY:	T. LECLAIR
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

12TH STREET ROUNDABOUT
PLAN AND PROFILE

SHEET NO.
K.34
STBG-SWAP-1185(657

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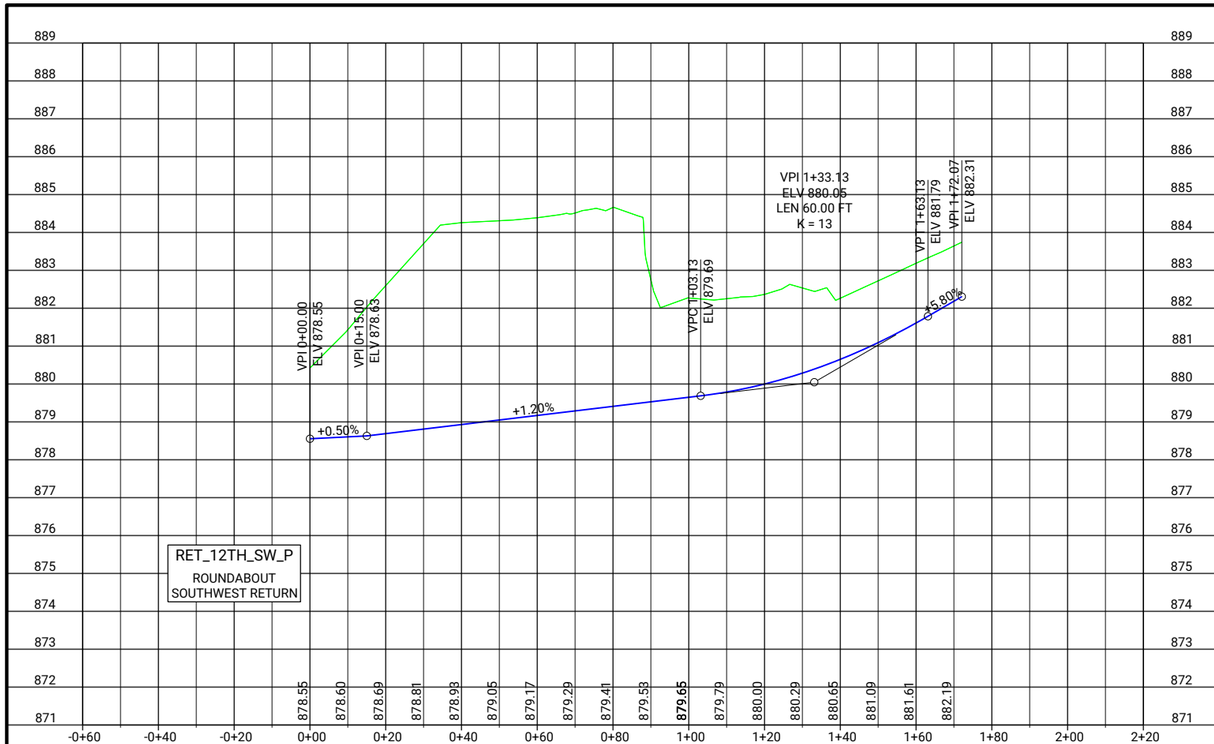

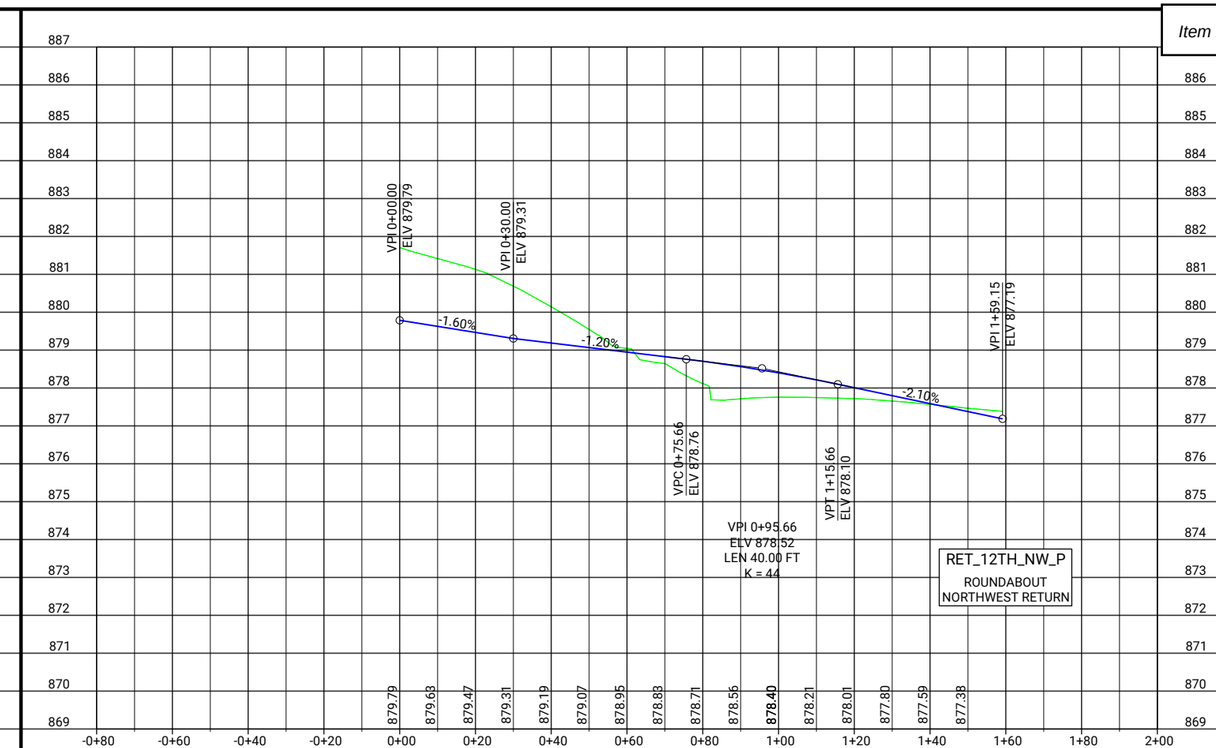

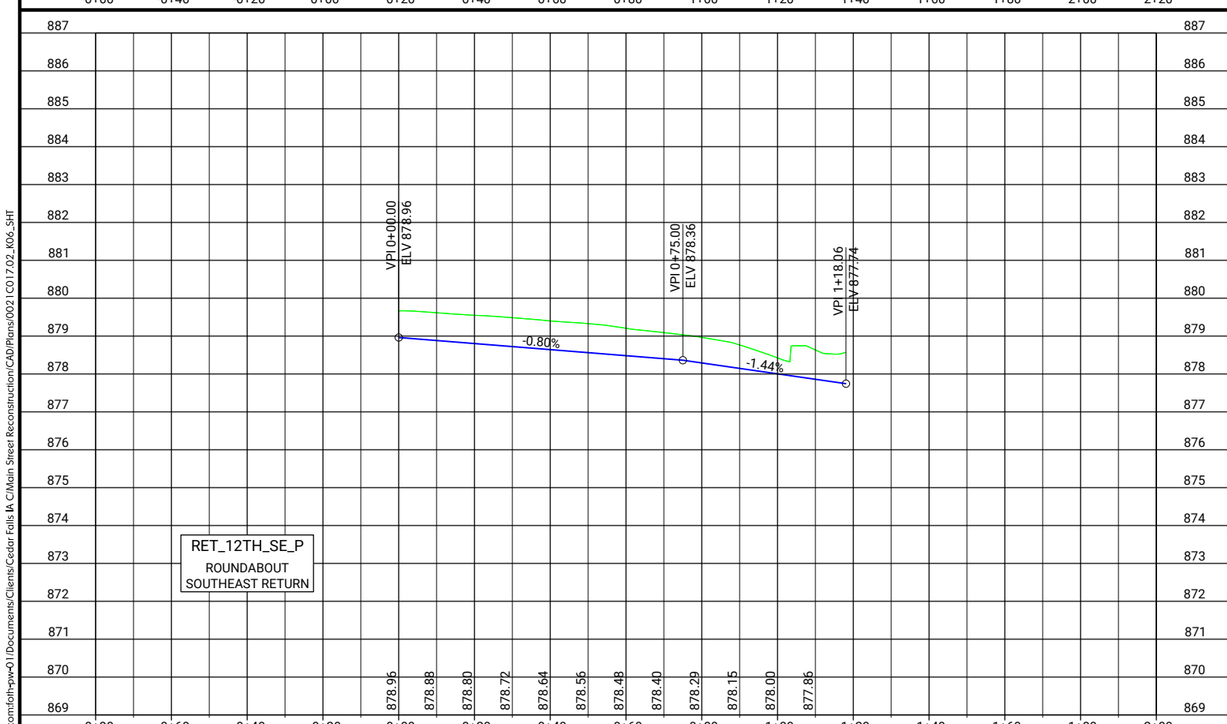

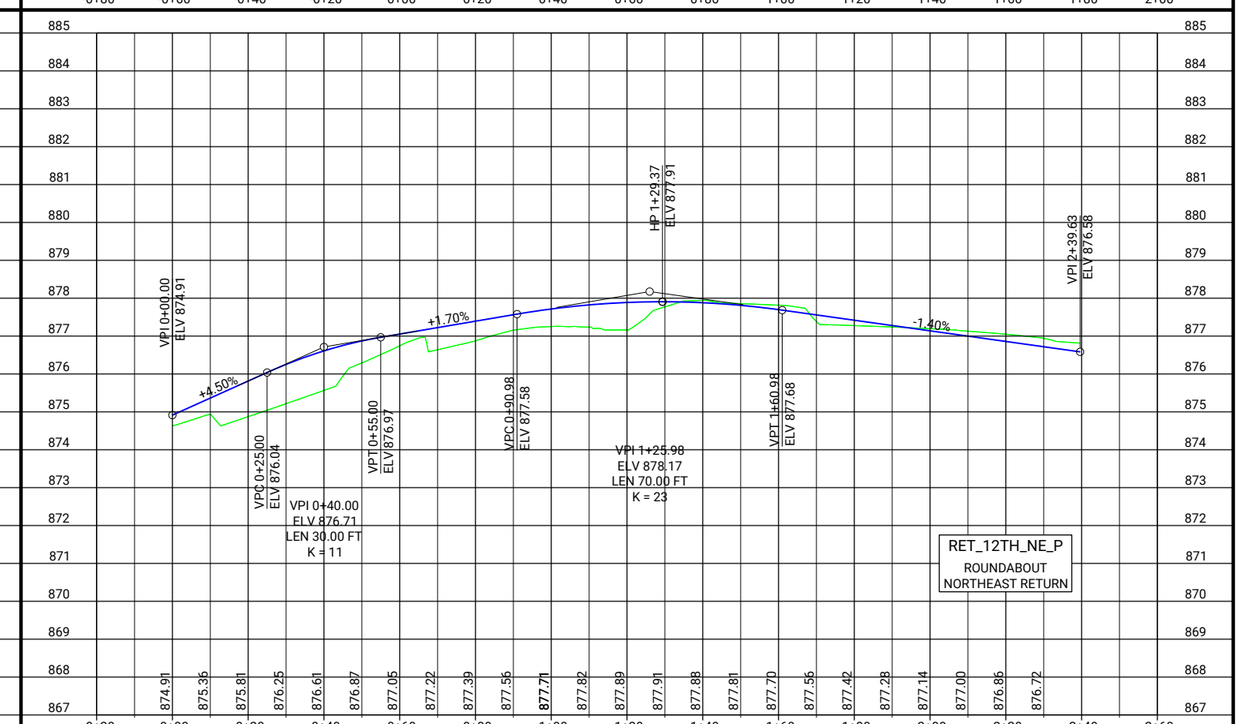

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LETTING DATE: 11/15/2022	CAD DATE: 8/30/2022	3:21:01 PM	
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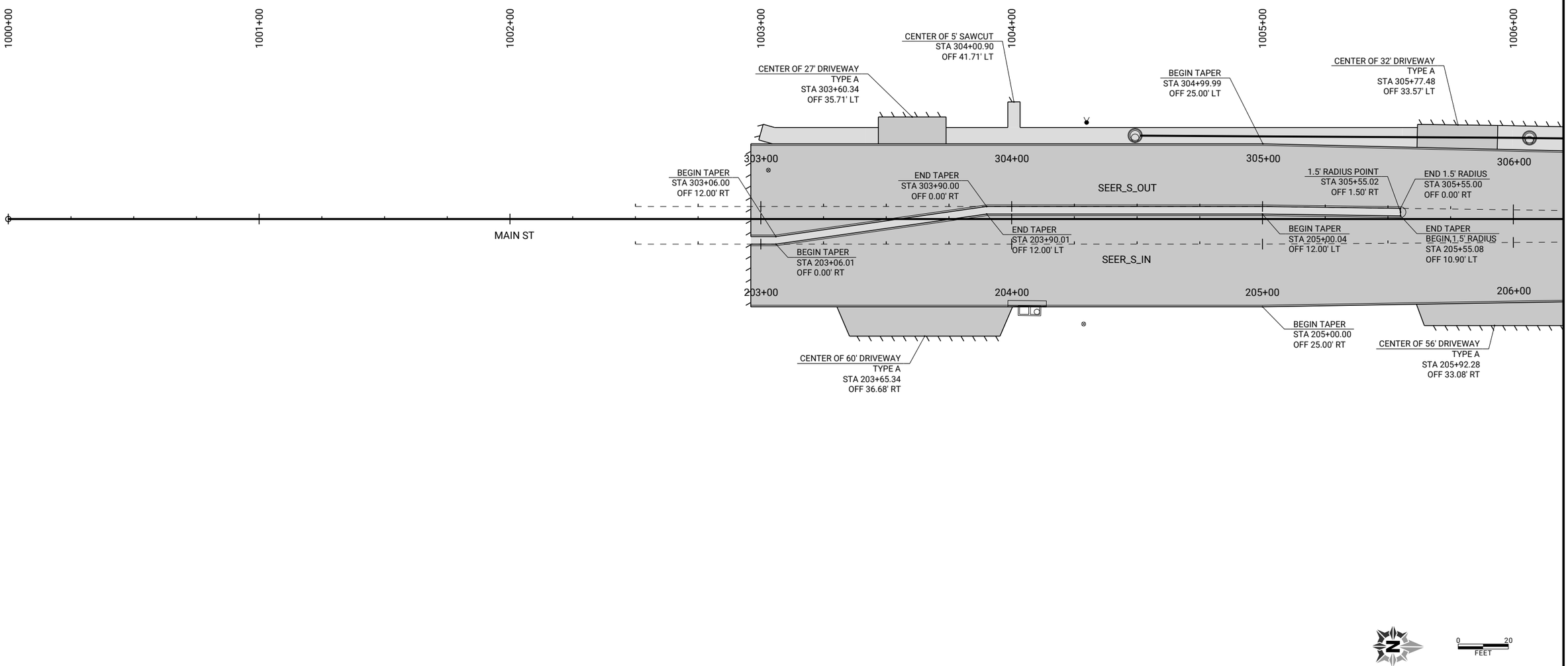
NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

12TH STREET ROUNDABOUT
PLAN AND PROFILE

SHEET NO.
K.35



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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
GEOMETRIC DETAIL SHEETS

SHEET NO.
L.1

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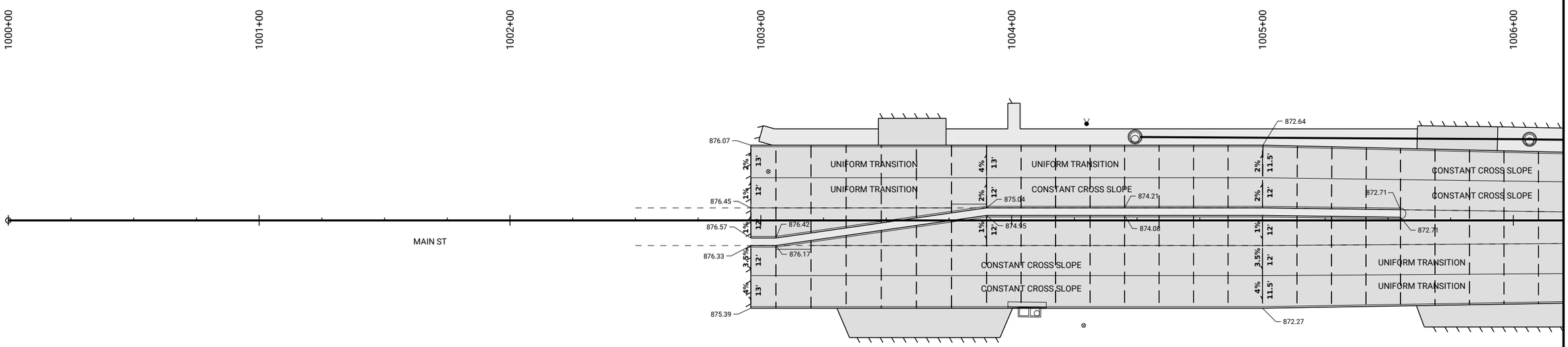

NOTES:
ALL ELEVATIONS ARE FORM GRADE (FG) OR TOPOF SLAB (TS)
UNLESS OTHERWISE NOTED.

SPECIAL SHAPING (SS) REQUIRED AT INTERSECTION RETURNS

CONTRACTOR TO VERIFY ALL TIE-IN ELEVATIONS. NOTIFY ENGINEER
IF ELEVATIONS ARE DIFFERENT THAN SHOWN.

REFER TO S-SHEETS FOR PEDESTRIAN RAMP AND SIDEWALK DETAILS.

0 20
FEET

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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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NO	DATE	BY	REVISION DESCRIPTION

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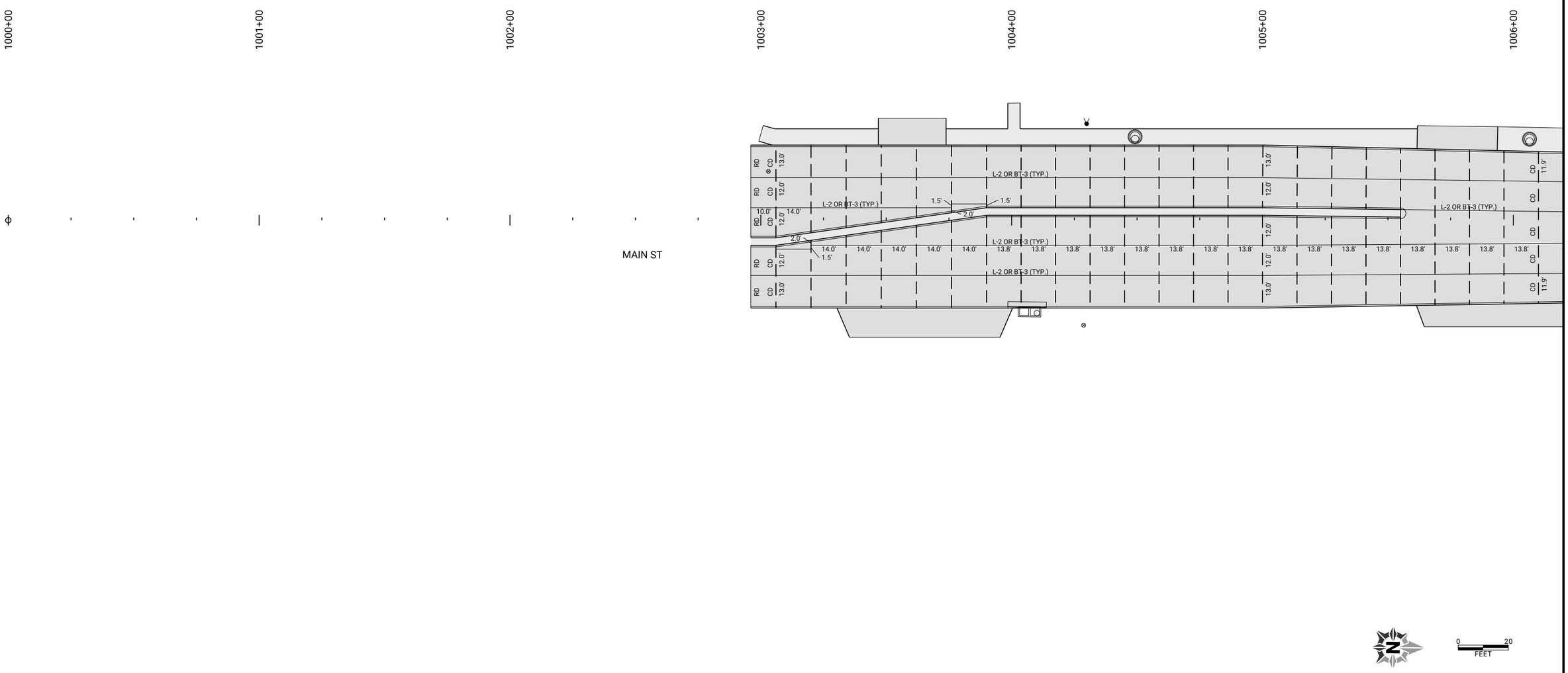
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STAKING DETAIL SHEETS

SHEET NO.
L.2

STBG-SWAP-1185(657



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LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022	4:51:01 PM	
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NO	DATE	BY	REVISION DESCRIPTION

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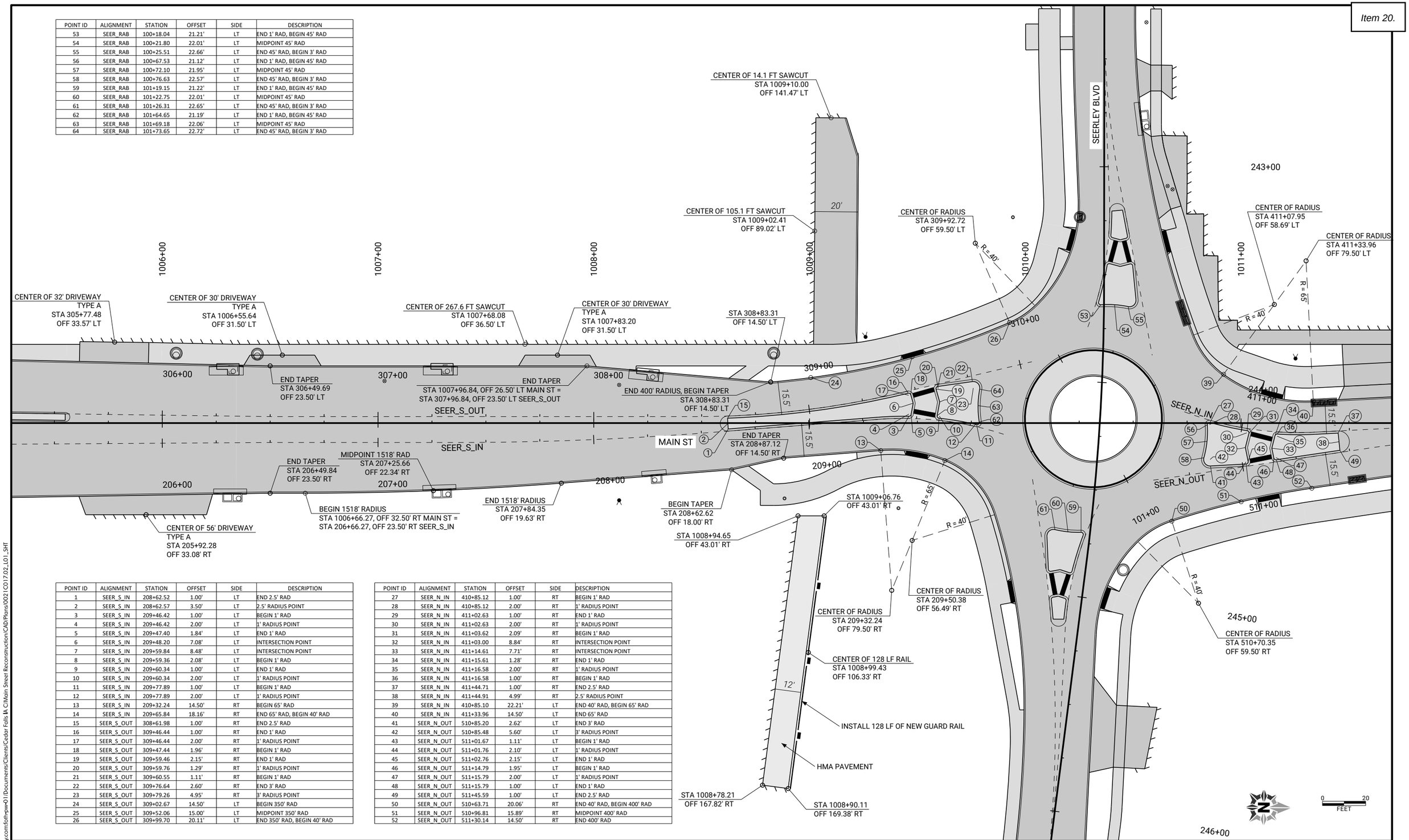
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
JOINTING SHEETS

SHEET NO.
L.3

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Falls IA C/Main Street Reconstruction/CAD/Plans\0021C017.02_L04A_SHT

POINT ID	ALIGNMENT	STATION	OFFSET	SIDE	DESCRIPTION
53	SEER_RAB	100+18.04	21.21'	LT	END 1' RAD, BEGIN 45' RAD
54	SEER_RAB	100+21.80	22.01'	LT	MIDPOINT 45' RAD
55	SEER_RAB	100+25.51	22.66'	LT	END 45' RAD, BEGIN 3' RAD
56	SEER_RAB	100+67.53	21.12'	LT	END 1' RAD, BEGIN 45' RAD
57	SEER_RAB	100+72.10	21.95'	LT	MIDPOINT 45' RAD
58	SEER_RAB	100+76.63	22.57'	LT	END 45' RAD, BEGIN 3' RAD
59	SEER_RAB	101+19.15	21.22'	LT	END 1' RAD, BEGIN 45' RAD
60	SEER_RAB	101+22.75	22.01'	LT	MIDPOINT 45' RAD
61	SEER_RAB	101+26.31	22.65'	LT	END 45' RAD, BEGIN 3' RAD
62	SEER_RAB	101+64.65	21.19'	LT	END 1' RAD, BEGIN 45' RAD
63	SEER_RAB	101+69.18	22.06'	LT	MIDPOINT 45' RAD
64	SEER_RAB	101+73.65	22.72'	LT	END 45' RAD, BEGIN 3' RAD



POINT ID	ALIGNMENT	STATION	OFFSET	SIDE	DESCRIPTION
1	SEER_S_IN	208+62.52	1.00'	LT	END 2.5' RAD
2	SEER_S_IN	208+62.57	3.50'	LT	2.5' RADIUS POINT
3	SEER_S_IN	209+46.42	1.00'	LT	BEGIN 1' RAD
4	SEER_S_IN	209+46.42	2.00'	LT	1' RADIUS POINT
5	SEER_S_IN	209+47.40	1.84'	LT	END 1' RAD
6	SEER_S_IN	209+48.20	7.08'	LT	INTERSECTION POINT
7	SEER_S_IN	209+59.84	8.48'	LT	INTERSECTION POINT
8	SEER_S_IN	209+59.36	2.08'	LT	BEGIN 1' RAD
9	SEER_S_IN	209+60.34	1.00'	LT	END 1' RAD
10	SEER_S_IN	209+60.34	2.00'	LT	1' RADIUS POINT
11	SEER_S_IN	209+77.89	1.00'	LT	BEGIN 1' RAD
12	SEER_S_IN	209+77.89	2.00'	LT	1' RADIUS POINT
13	SEER_S_IN	209+32.24	14.50'	RT	BEGIN 65' RAD
14	SEER_S_IN	209+65.84	18.16'	RT	END 65' RAD, BEGIN 40' RAD
15	SEER_S_OUT	308+61.98	1.00'	RT	END 2.5' RAD
16	SEER_S_OUT	309+46.44	1.00'	RT	END 1' RAD
17	SEER_S_OUT	309+46.44	2.00'	RT	1' RADIUS POINT
18	SEER_S_OUT	309+47.44	1.96'	RT	BEGIN 1' RAD
19	SEER_S_OUT	309+59.46	2.15'	RT	END 1' RAD
20	SEER_S_OUT	309+59.76	1.29'	RT	1' RADIUS POINT
21	SEER_S_OUT	309+60.55	1.11'	RT	BEGIN 1' RAD
22	SEER_S_OUT	309+76.64	2.60'	RT	END 3' RAD
23	SEER_S_OUT	309+79.26	4.95'	RT	3' RADIUS POINT
24	SEER_S_OUT	309+02.67	14.50'	LT	BEGIN 350' RAD
25	SEER_S_OUT	309+52.06	15.00'	LT	MIDPOINT 350' RAD
26	SEER_S_OUT	309+99.70	20.11'	LT	END 350' RAD, BEGIN 40' RAD

POINT ID	ALIGNMENT	STATION	OFFSET	SIDE	DESCRIPTION
27	SEER_N_IN	410+85.12	1.00'	RT	BEGIN 1' RAD
28	SEER_N_IN	410+85.12	2.00'	RT	1' RADIUS POINT
29	SEER_N_IN	411+02.63	1.00'	RT	END 1' RAD
30	SEER_N_IN	411+02.63	2.00'	RT	1' RADIUS POINT
31	SEER_N_IN	411+03.62	2.09'	RT	BEGIN 1' RAD
32	SEER_N_IN	411+03.00	8.84'	RT	INTERSECTION POINT
33	SEER_N_IN	411+14.61	7.71'	RT	INTERSECTION POINT
34	SEER_N_IN	411+15.61	1.28'	RT	END 1' RAD
35	SEER_N_IN	411+16.58	2.00'	RT	1' RADIUS POINT
36	SEER_N_IN	411+16.58	1.00'	RT	BEGIN 1' RAD
37	SEER_N_IN	411+44.71	1.00'	RT	END 2.5' RAD
38	SEER_N_IN	411+44.91	4.99'	RT	2.5' RADIUS POINT
39	SEER_N_IN	410+85.10	22.21'	LT	END 40' RAD, BEGIN 65' RAD
40	SEER_N_IN	411+33.96	14.50'	LT	END 65' RAD
41	SEER_N_OUT	510+85.20	2.62'	LT	END 3' RAD
42	SEER_N_OUT	510+85.48	5.60'	LT	3' RADIUS POINT
43	SEER_N_OUT	511+01.67	1.11'	LT	BEGIN 1' RAD
44	SEER_N_OUT	511+01.76	2.10'	LT	1' RADIUS POINT
45	SEER_N_OUT	511+02.76	2.15'	LT	END 1' RAD
46	SEER_N_OUT	511+14.79	1.95'	LT	BEGIN 1' RAD
47	SEER_N_OUT	511+15.79	2.00'	LT	1' RADIUS POINT
48	SEER_N_OUT	511+15.79	1.00'	LT	END 1' RAD
49	SEER_N_OUT	511+45.59	1.00'	LT	END 2.5' RAD
50	SEER_N_OUT	510+63.71	20.06'	RT	END 40' RAD, BEGIN 400' RAD
51	SEER_N_OUT	510+96.81	15.89'	RT	MIDPOINT 400' RAD
52	SEER_N_OUT	511+30.14	14.50'	RT	END 400' RAD

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: C. CARPER CHECKED BY: C. CARPER DRAWN BY: T. LECLAIR
LETTING DATE: 11/15/2022 CAD DATE: 9/6/2022 11:43:33 AM
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
GEOMETRIC DETAIL SHEETS

SHEET NO.
L.4

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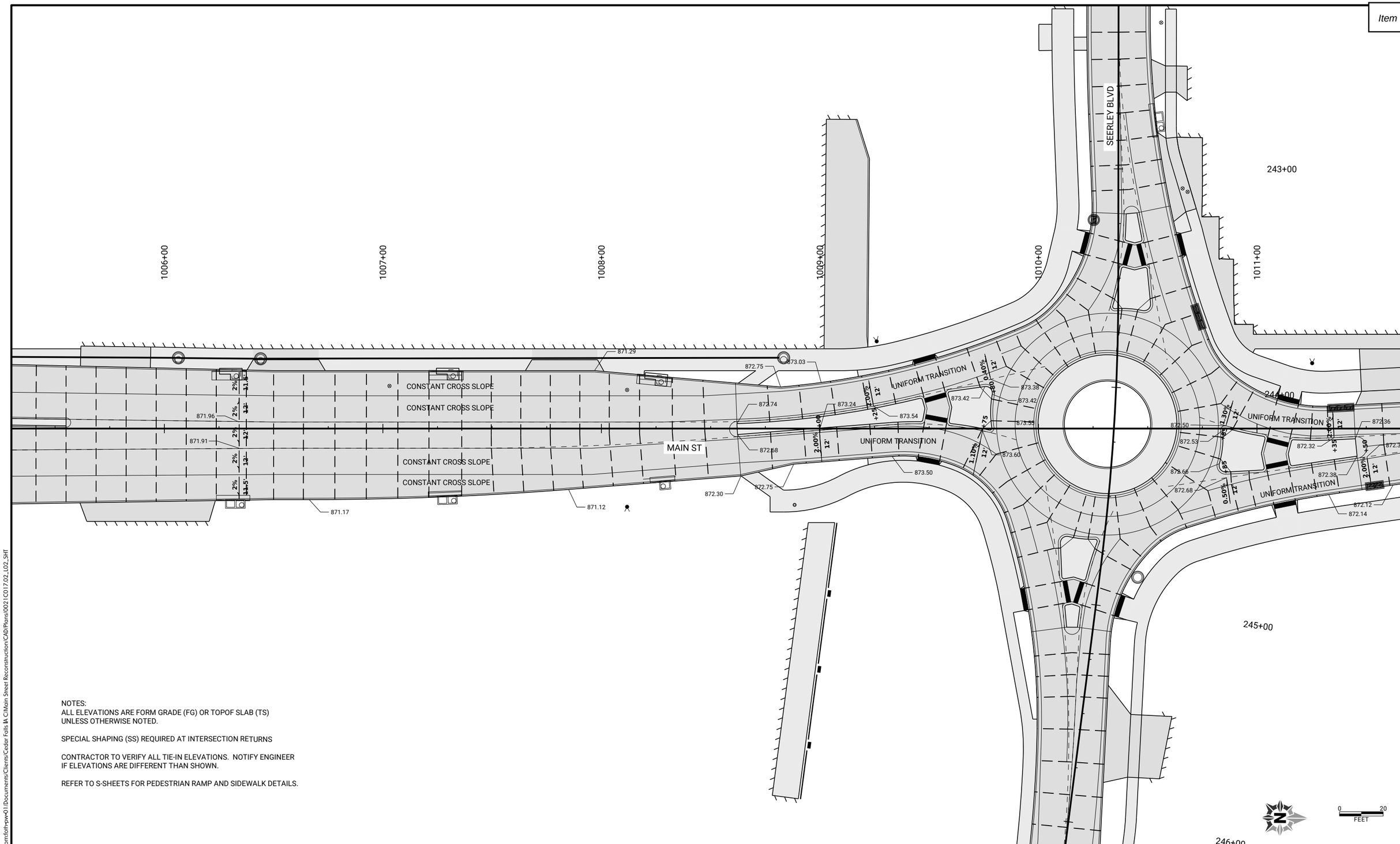

NOTES:
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SPECIAL SHAPING (SS) REQUIRED AT INTERSECTION RETURNS

CONTRACTOR TO VERIFY ALL TIE-IN ELEVATIONS. NOTIFY ENGINEER IF ELEVATIONS ARE DIFFERENT THAN SHOWN.

REFER TO S-SHEETS FOR PEDESTRIAN RAMP AND SIDEWALK DETAILS.

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STAKING DETAIL SHEETS

SHEET NO.
L.5

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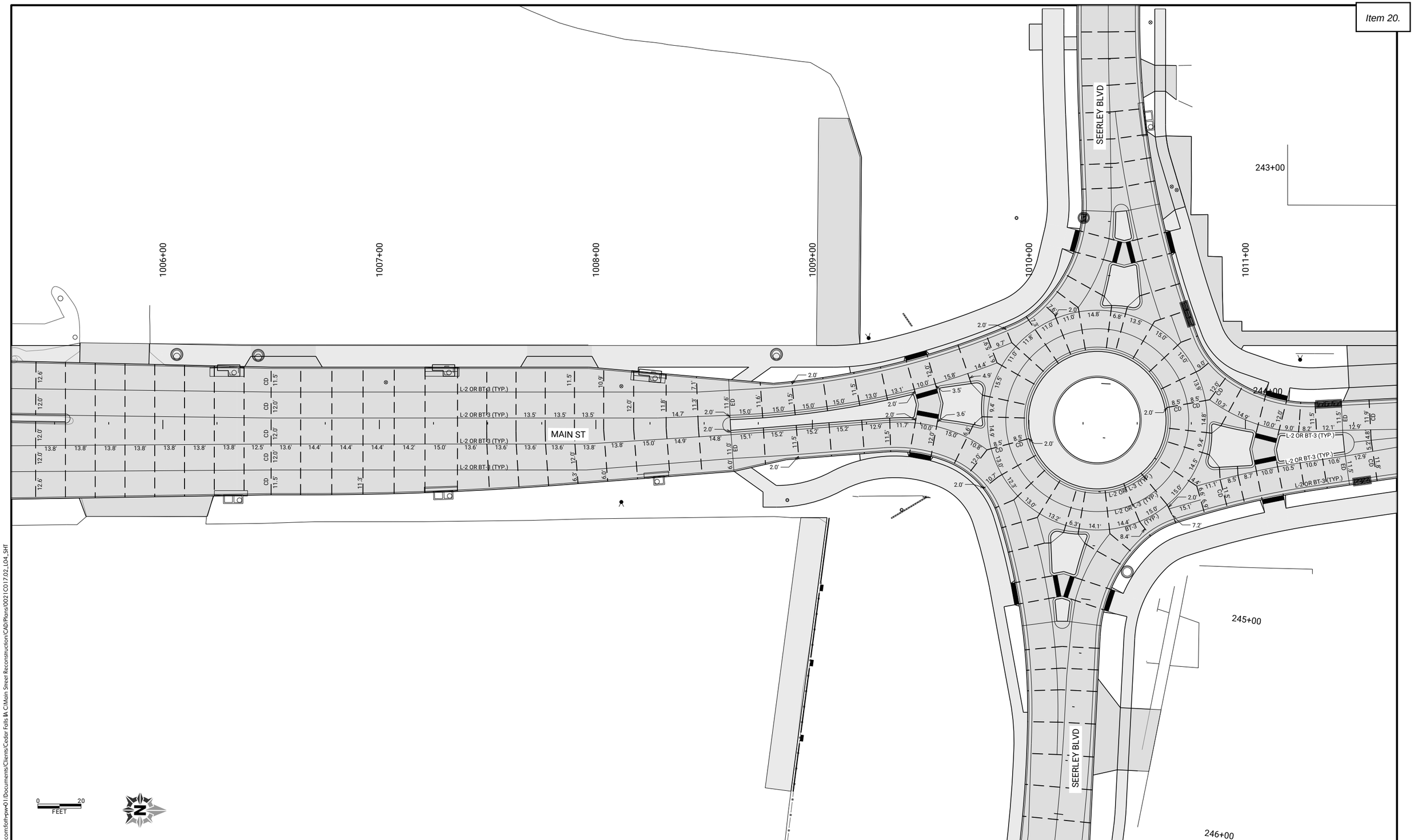

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
JOINTING SHEETS

SHEET NO.
L.6

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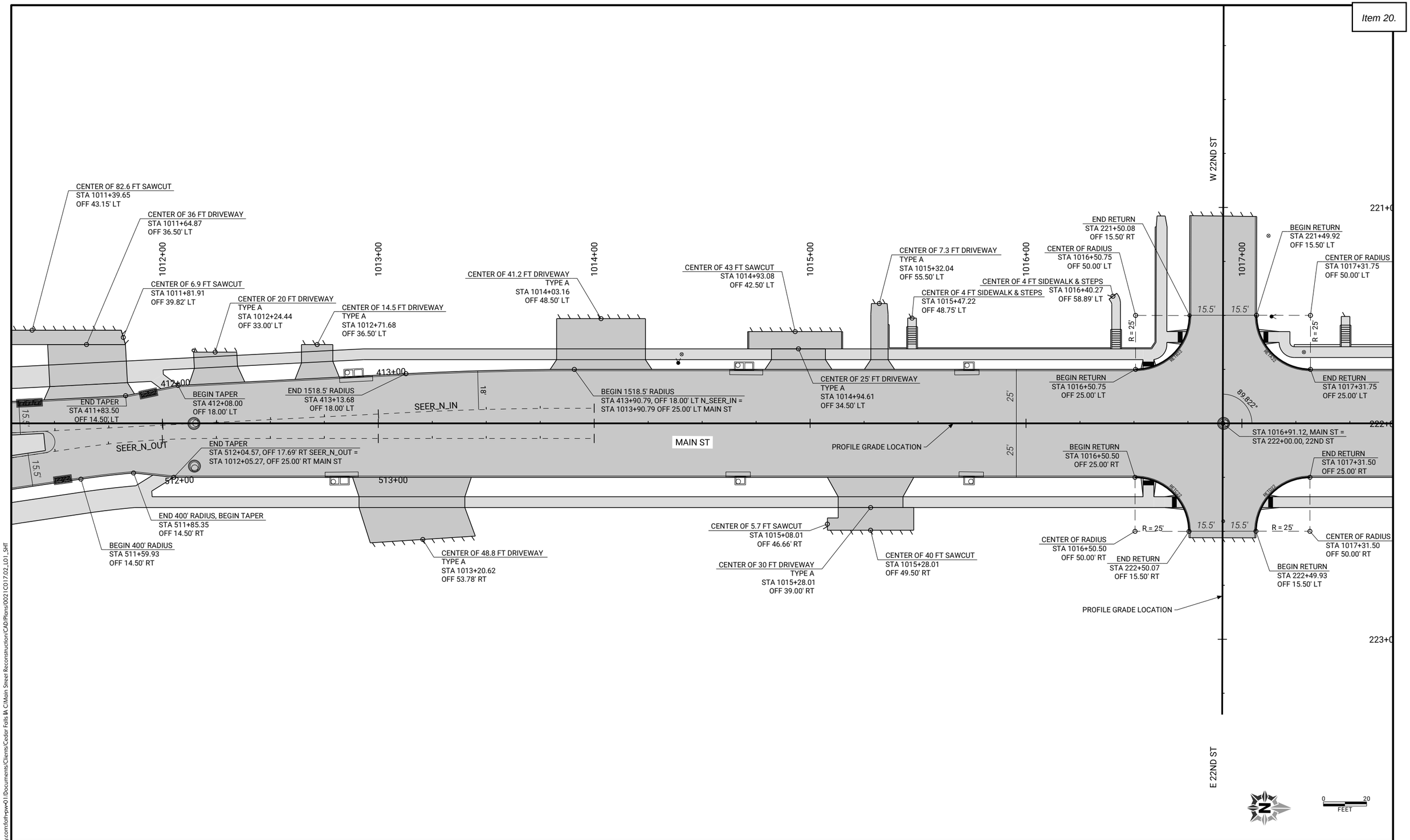

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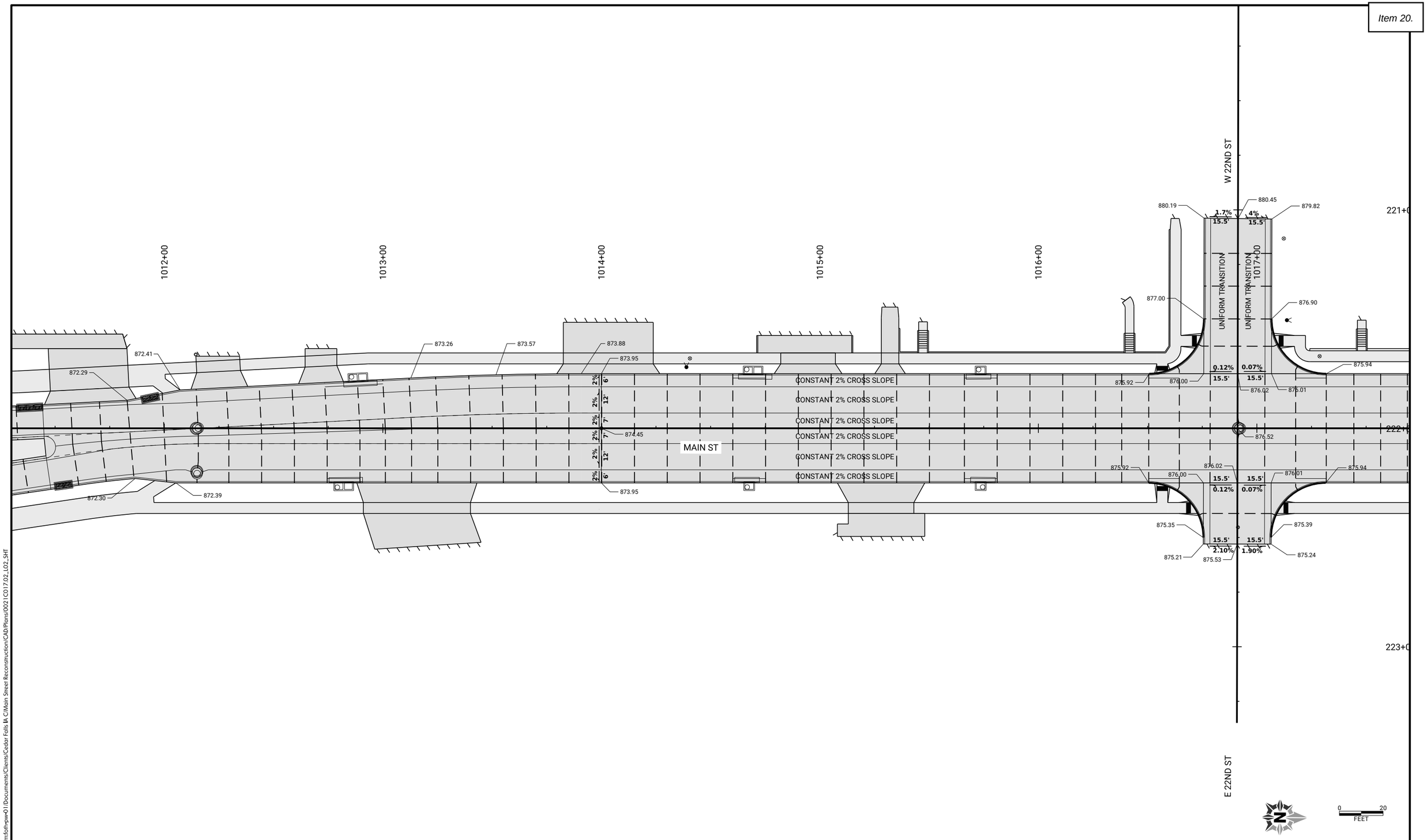
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
GEOMETRIC DETAIL SHEETS

SHEET NO.
L.7



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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STAKING DETAIL SHEETS

SHEET NO.
L.8

STBG-SWAP-1185(657

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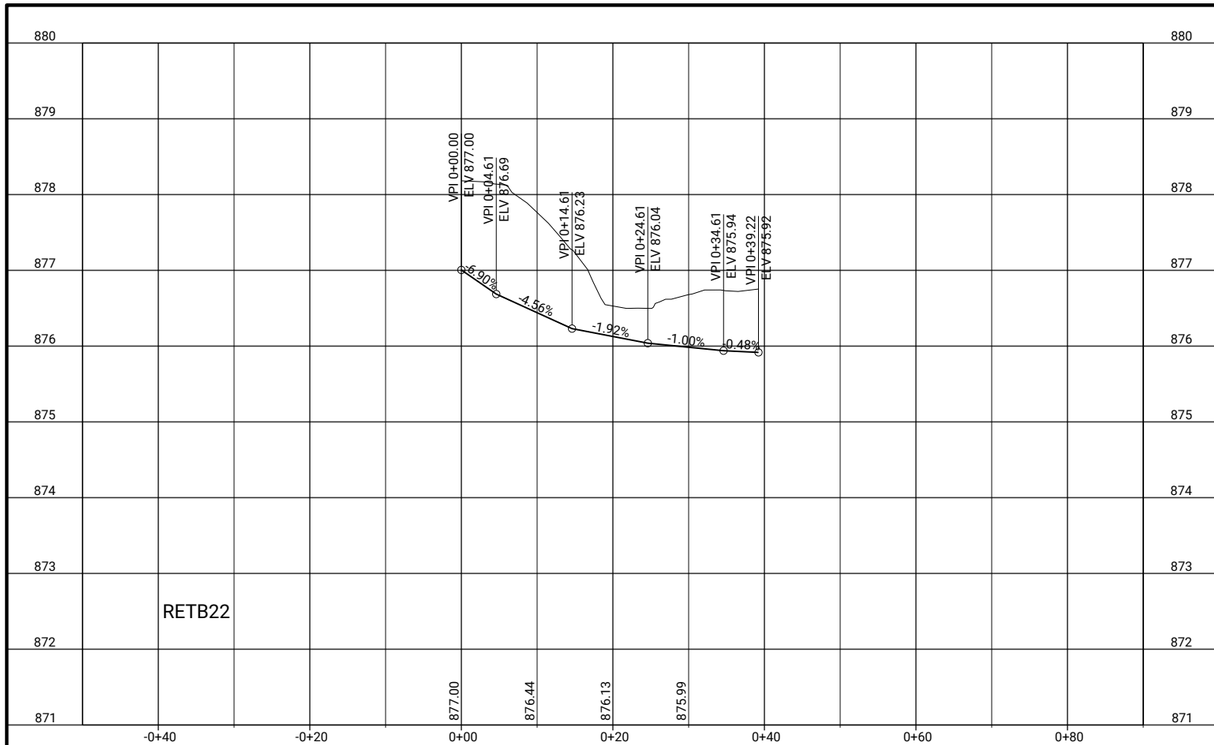

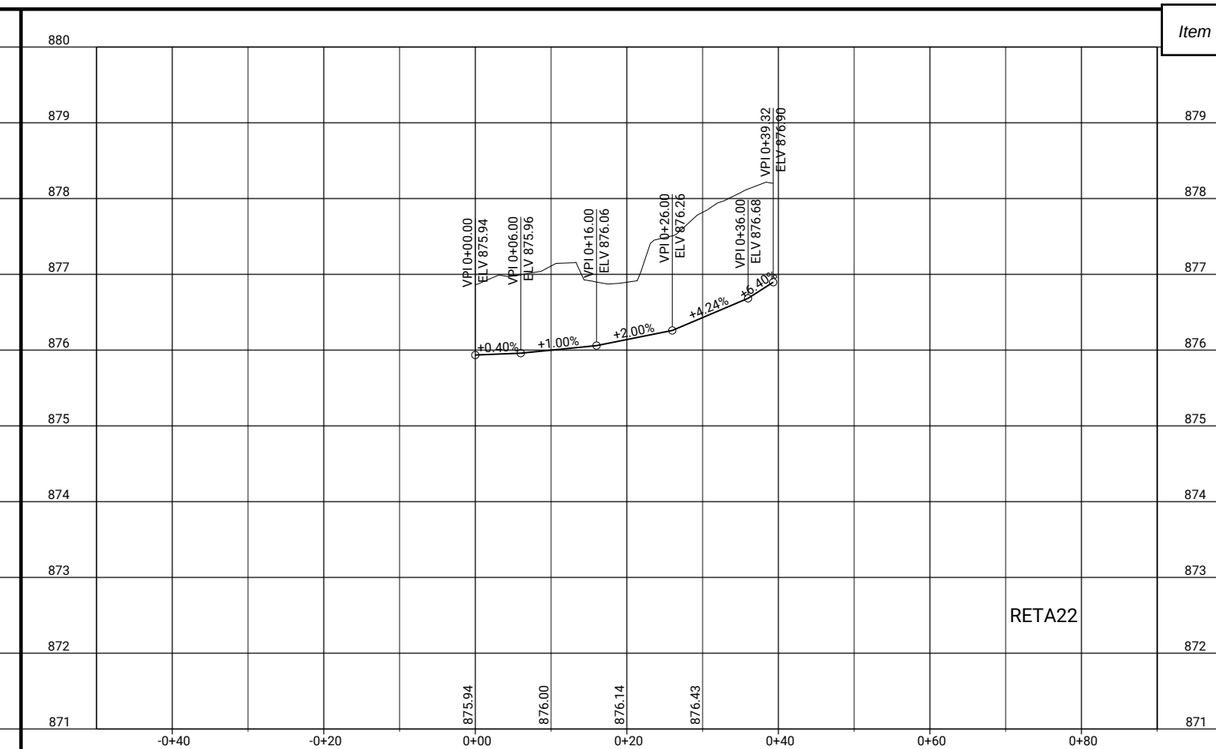

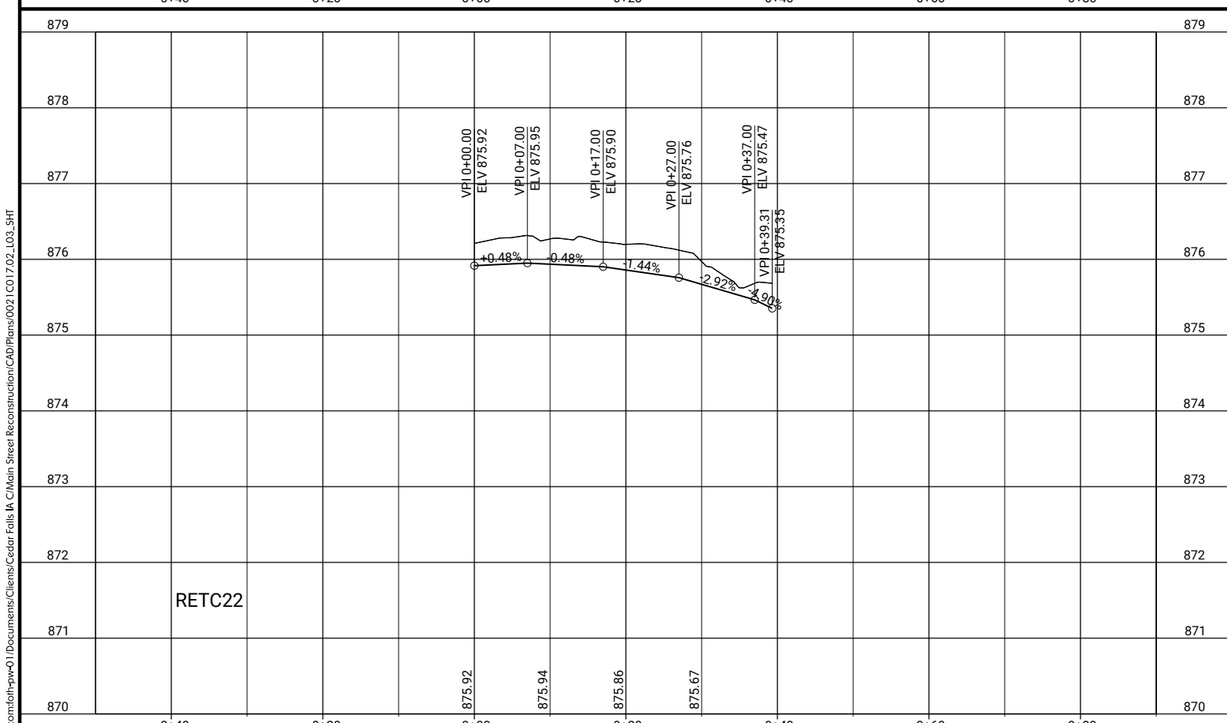

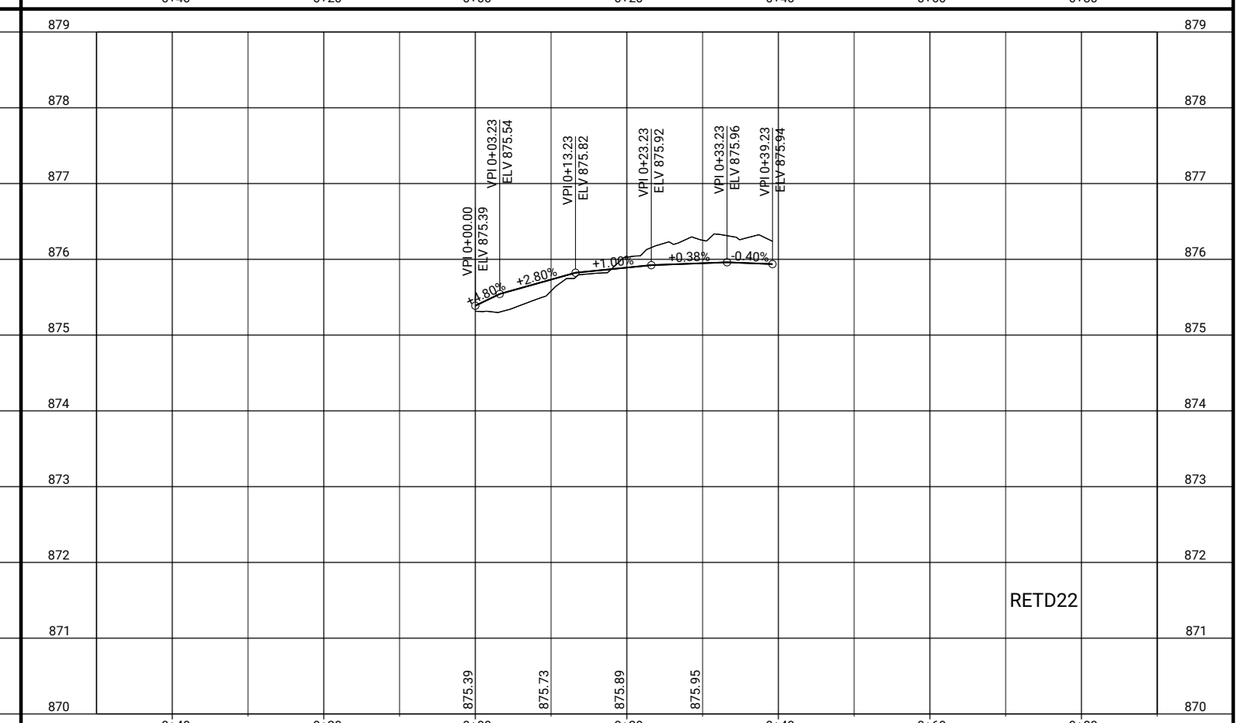

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

22ND STREET
EDGE RETURN PROFILES

SHEET NO.
L.9

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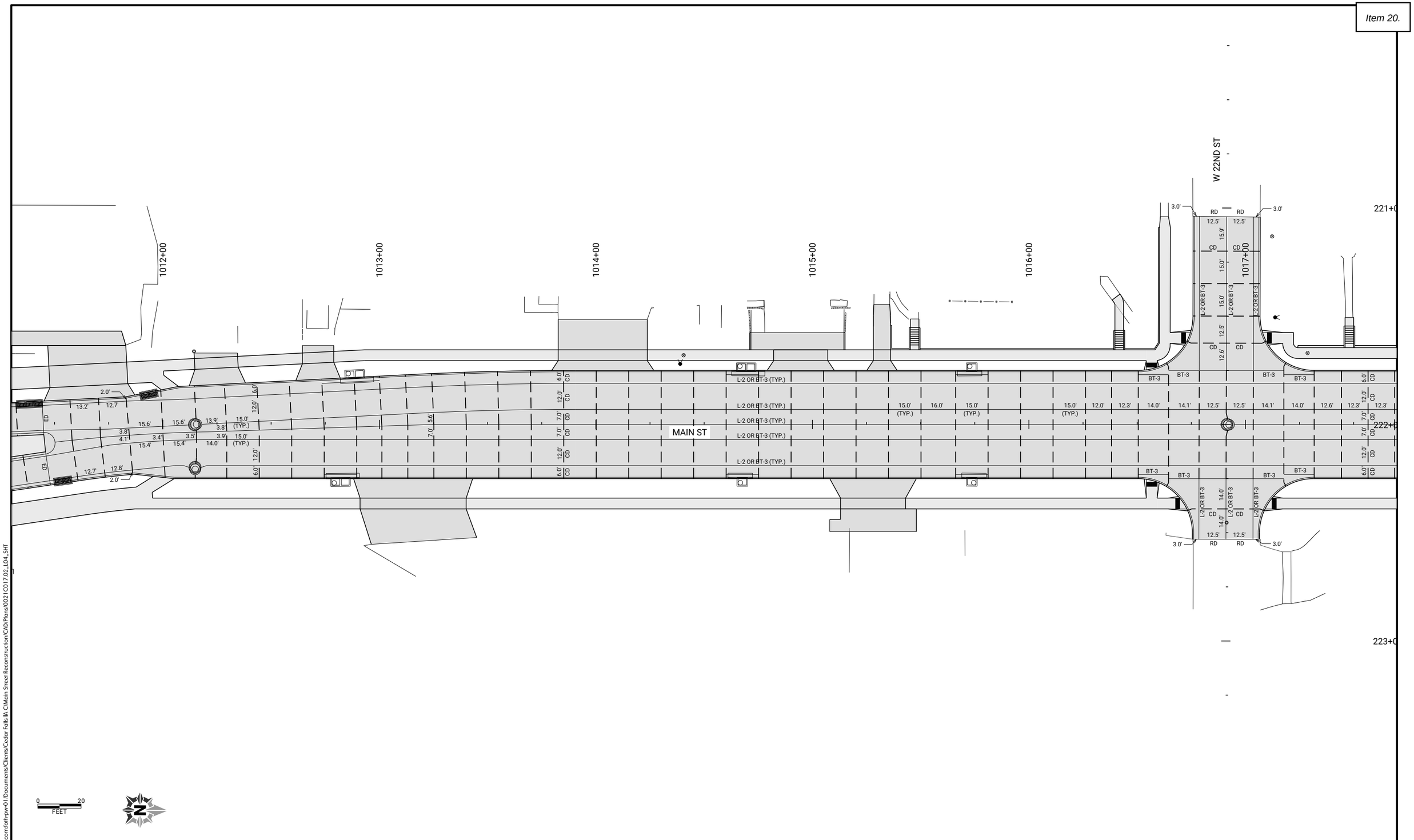

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DESIGNED BY: C. CARPER	CHECKED BY: C. CARPER	DRAWN BY: T. LECLAIR	
LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022	4:51:28 PM	
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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
JOINTING SHEETS

SHEET NO.
L.10

STBG-SWAP-1185(657)

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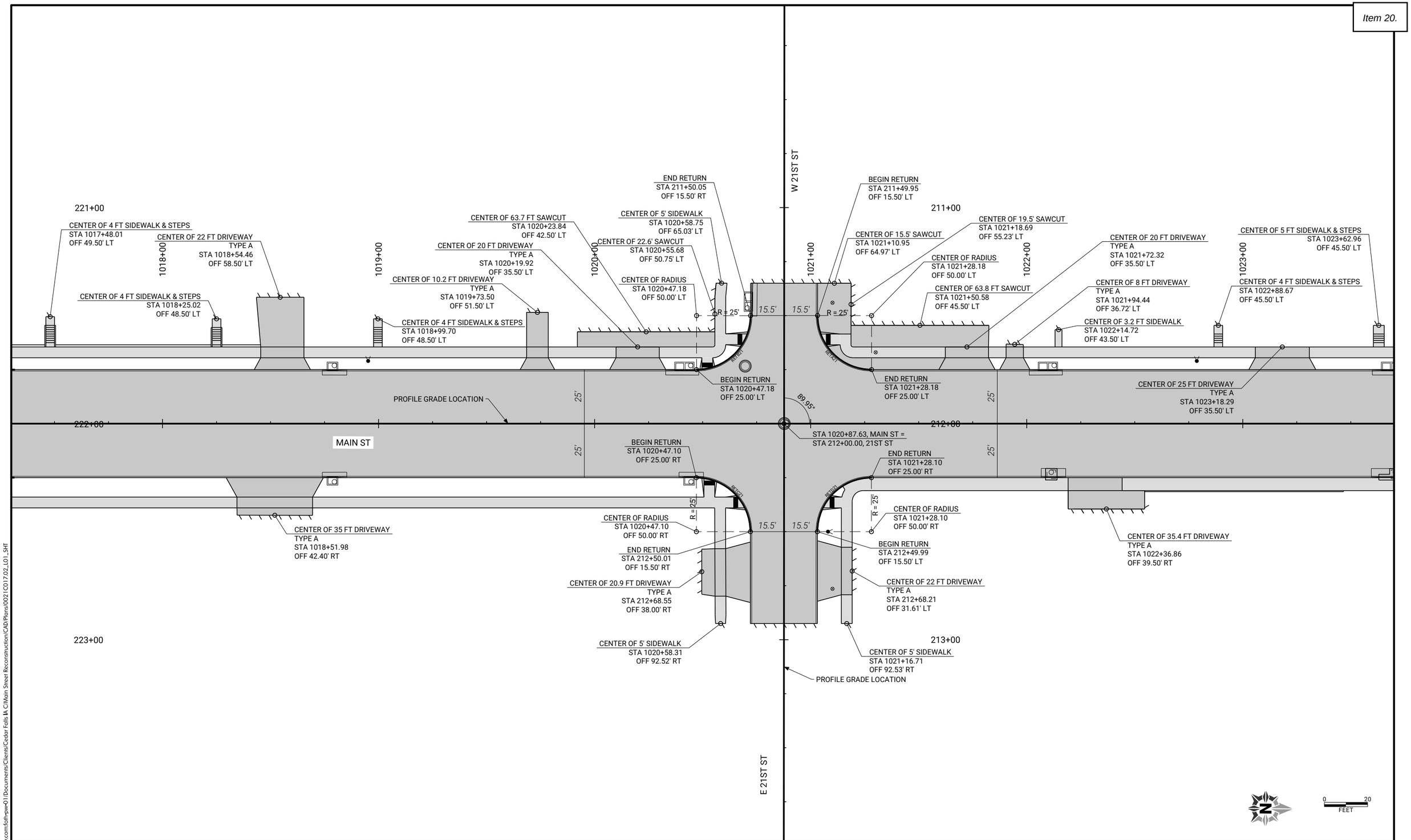

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
GEOMETRIC DETAIL SHEETS

SHEET NO.
L.11

STBG-SWAP-1185(657)

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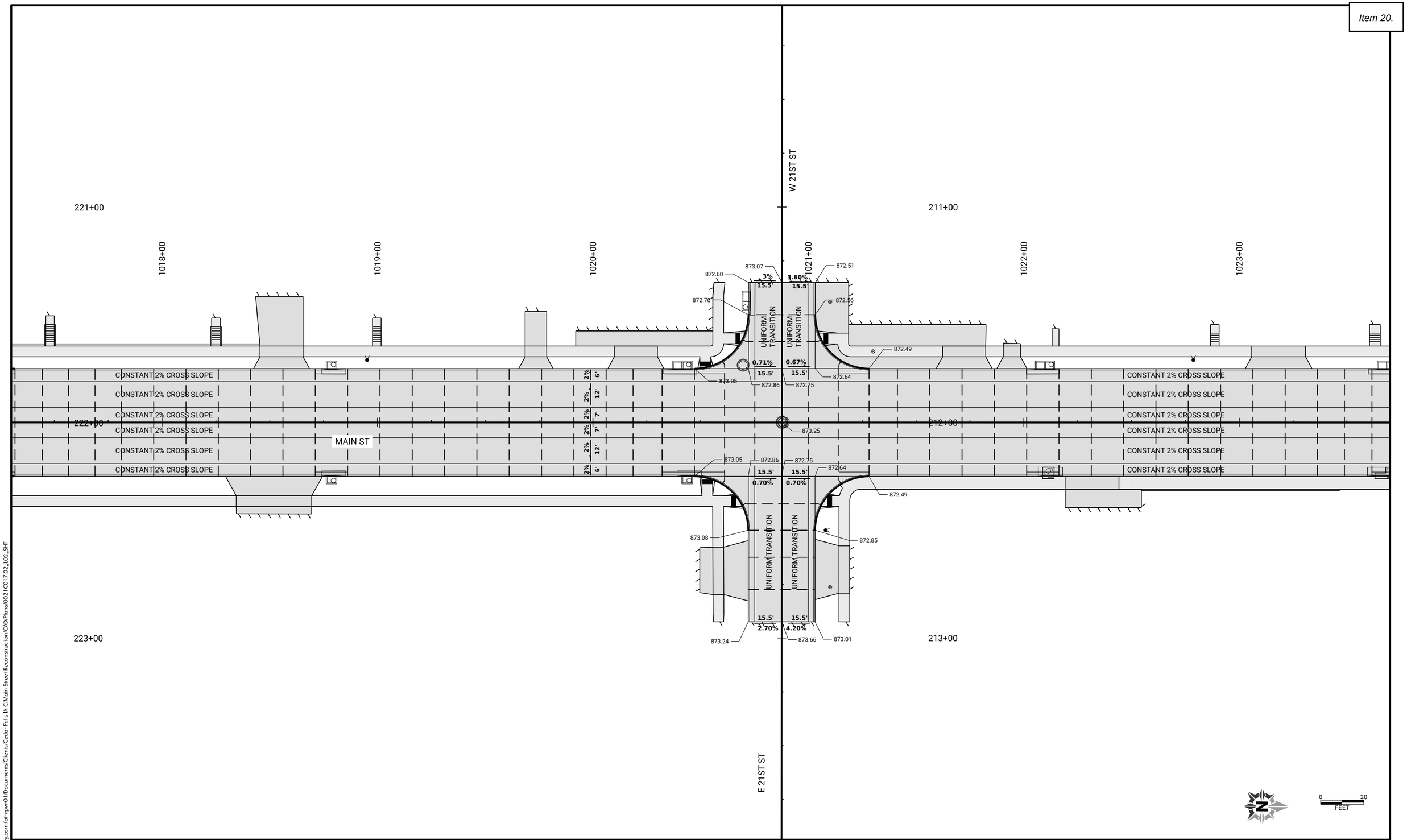

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: C. CARPER	CHECKED BY: C. CARPER	DRAWN BY: T. LECLAIR	
LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022	5:02:39 PM	
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STAKING DETAIL SHEETS

SHEET NO.
L.12

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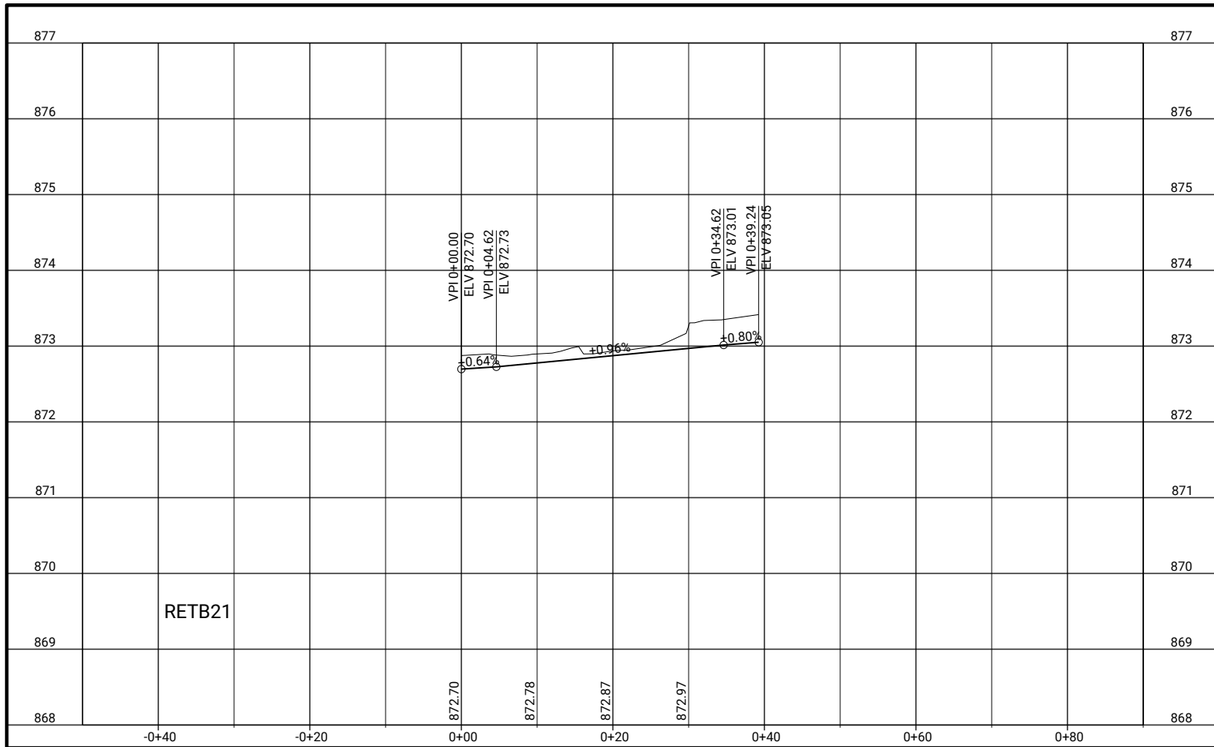

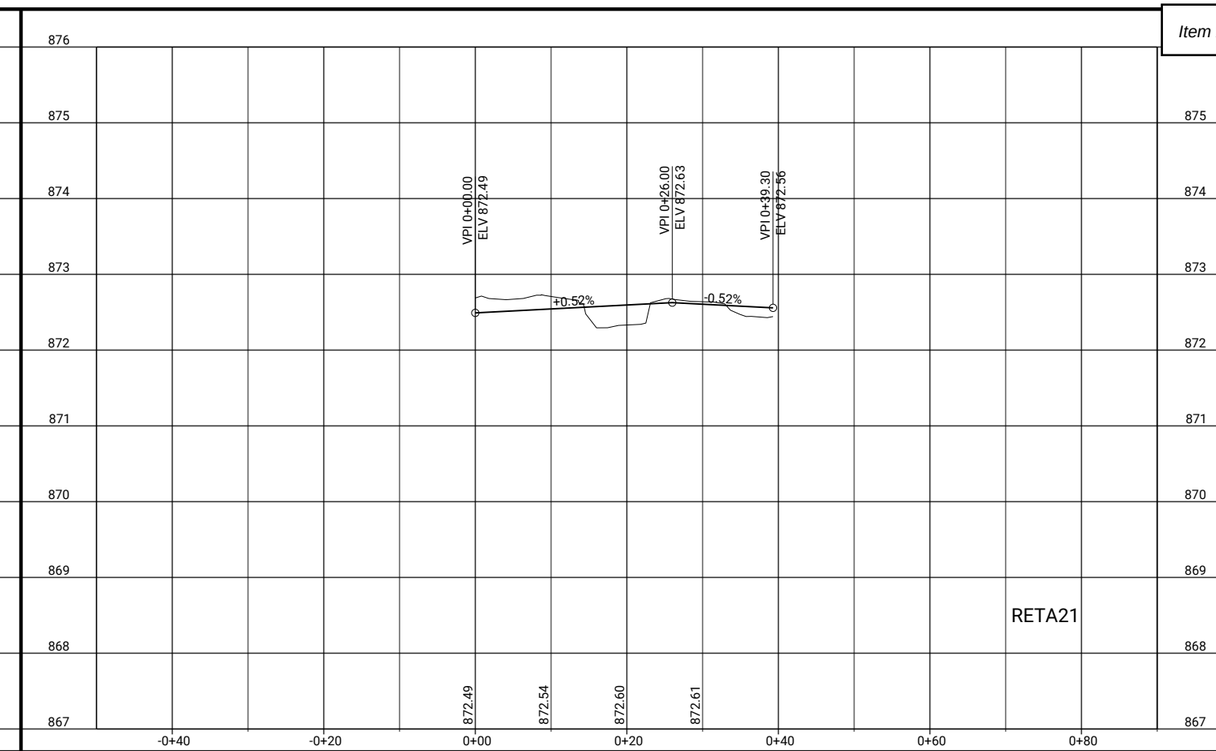

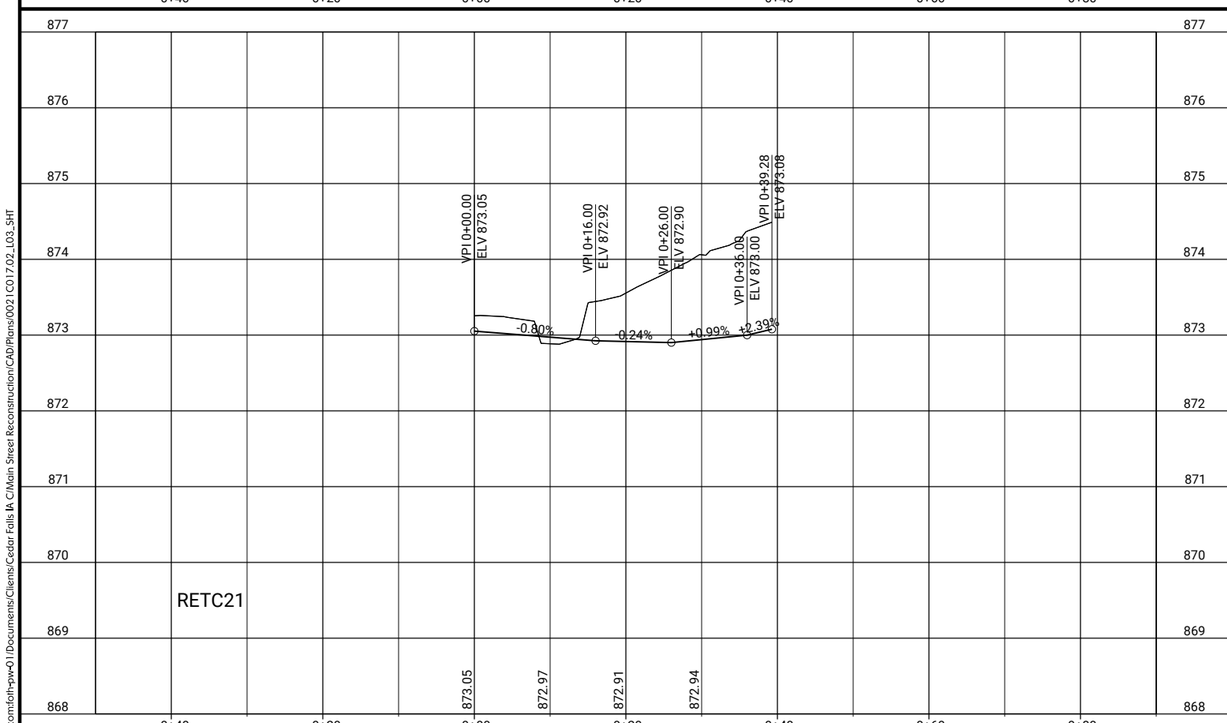

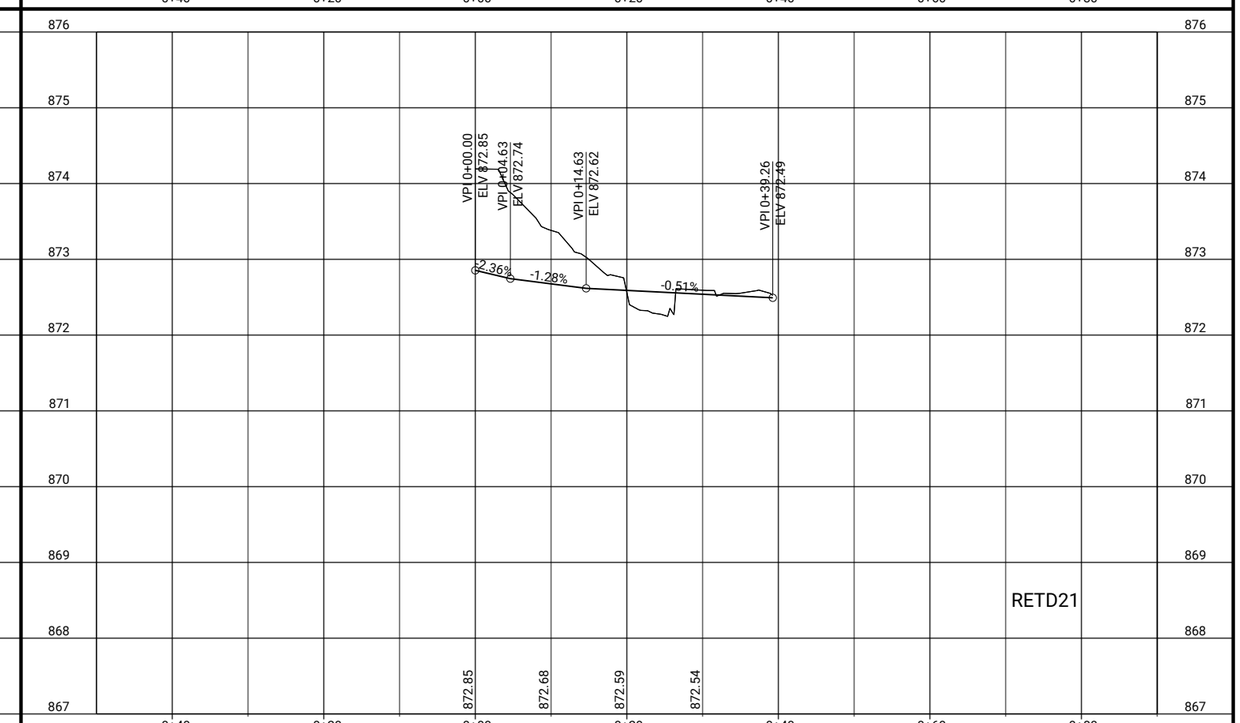

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

21ST STREET
EDGE RETURN PROFILES

SHEET NO.
L.13
STBG-SWAP-1185(657

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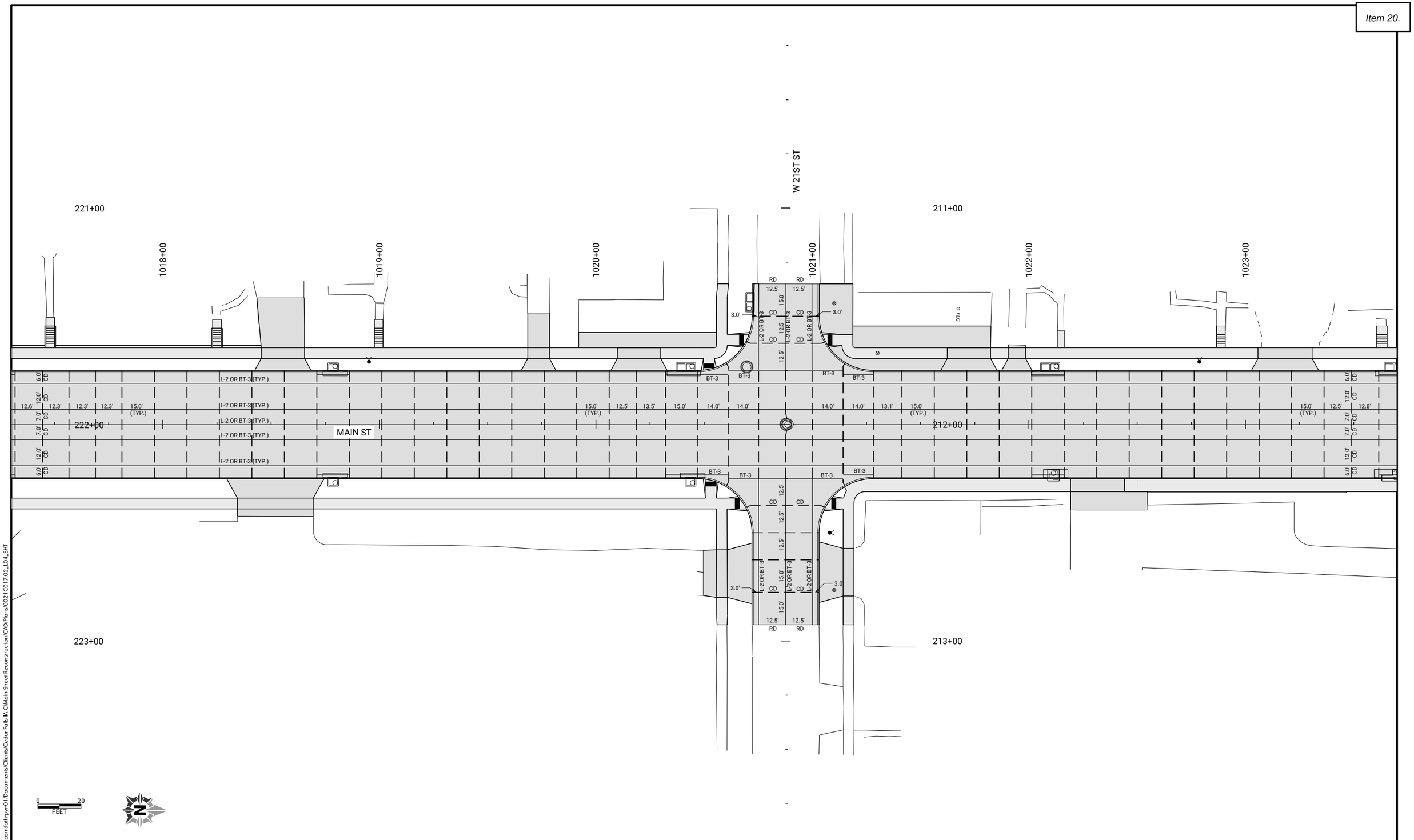

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
JOINTING SHEETS

SHEET NO.
L.14

STBG-SWAP-1185(657)

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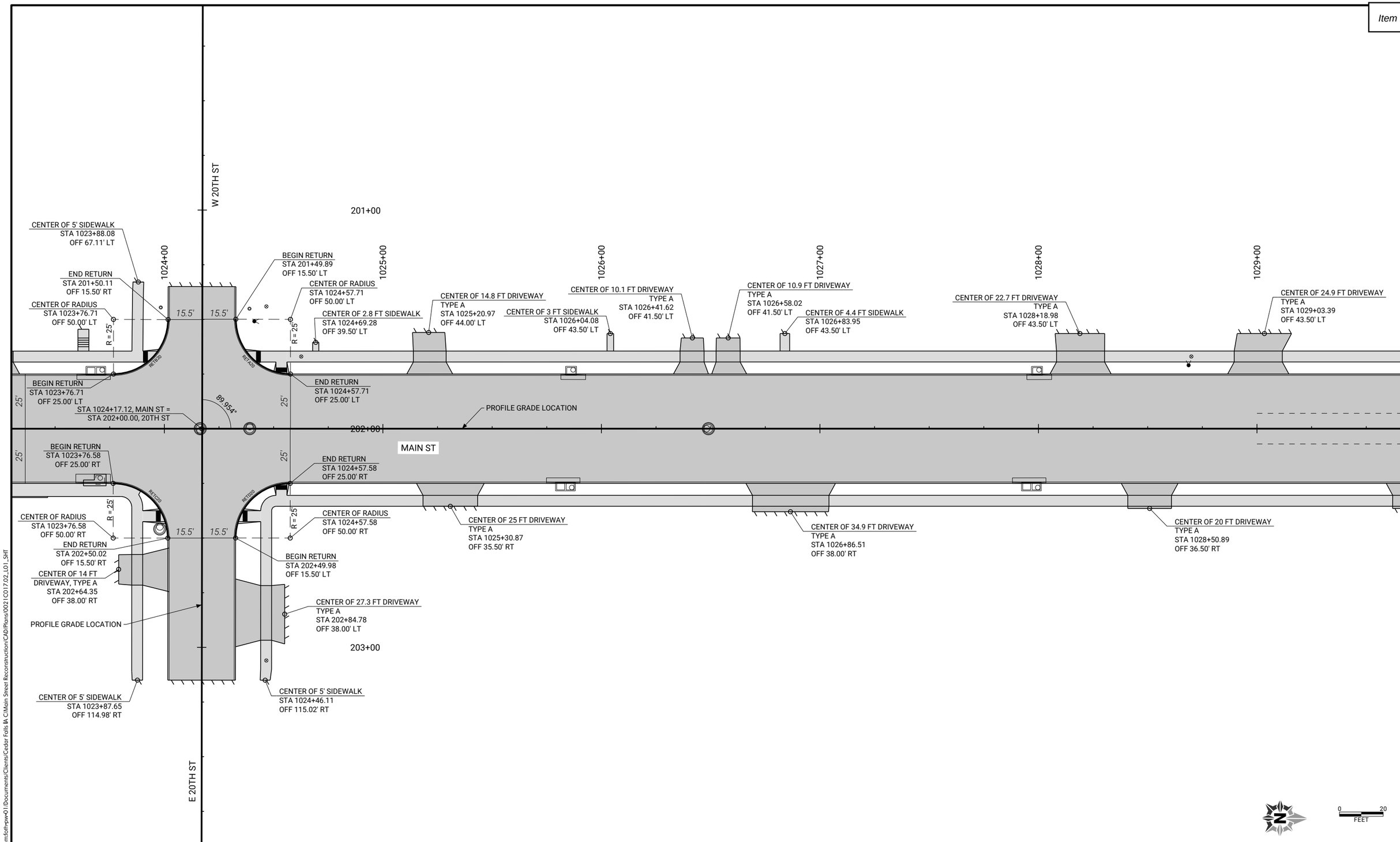

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
GEOMETRIC DETAIL SHEETS

SHEET NO.
L.15

STBG-SWAP-1185(657)

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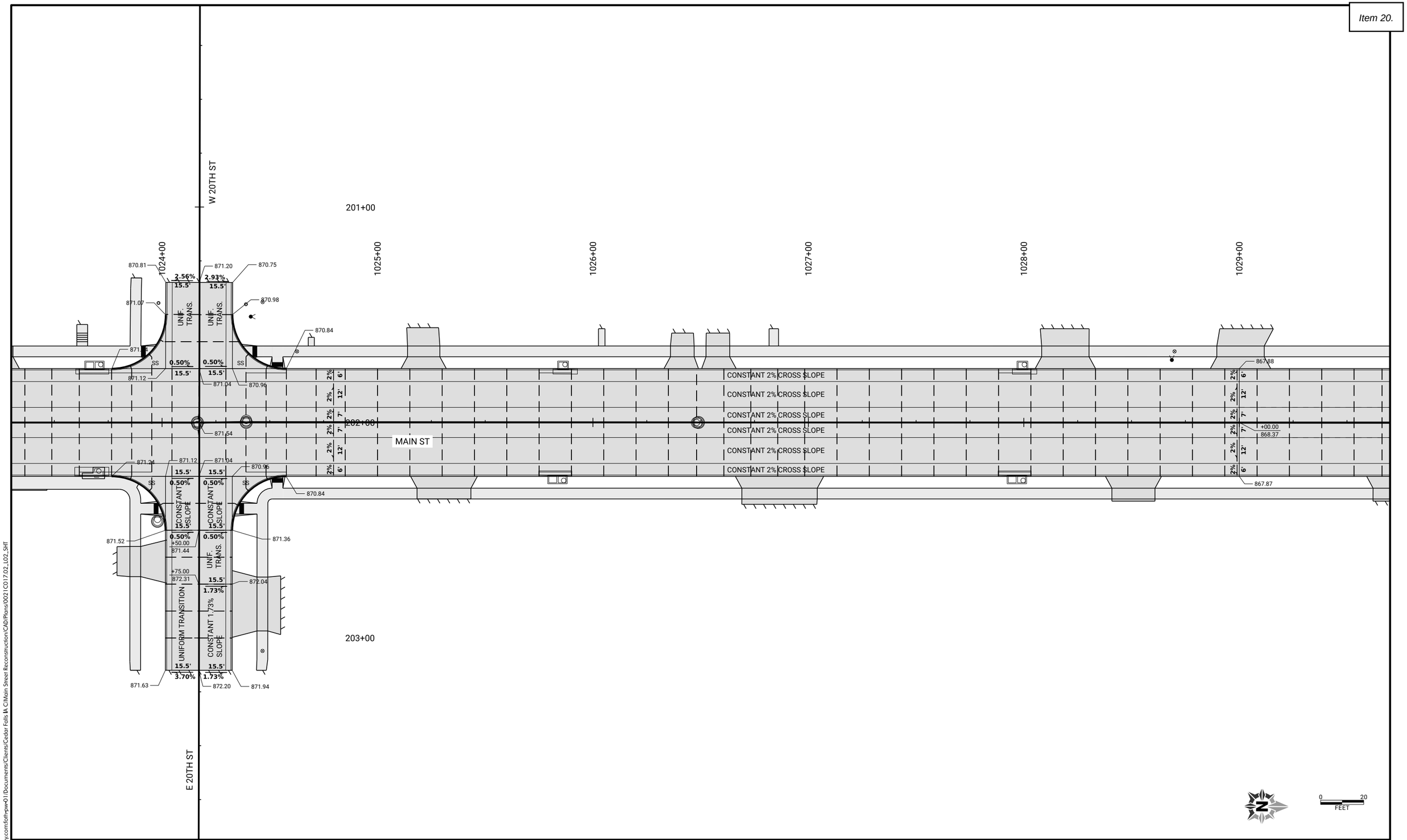

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STAKING DETAIL SHEETS

SHEET NO.
L.16

STBG-SWAP-1185(657)

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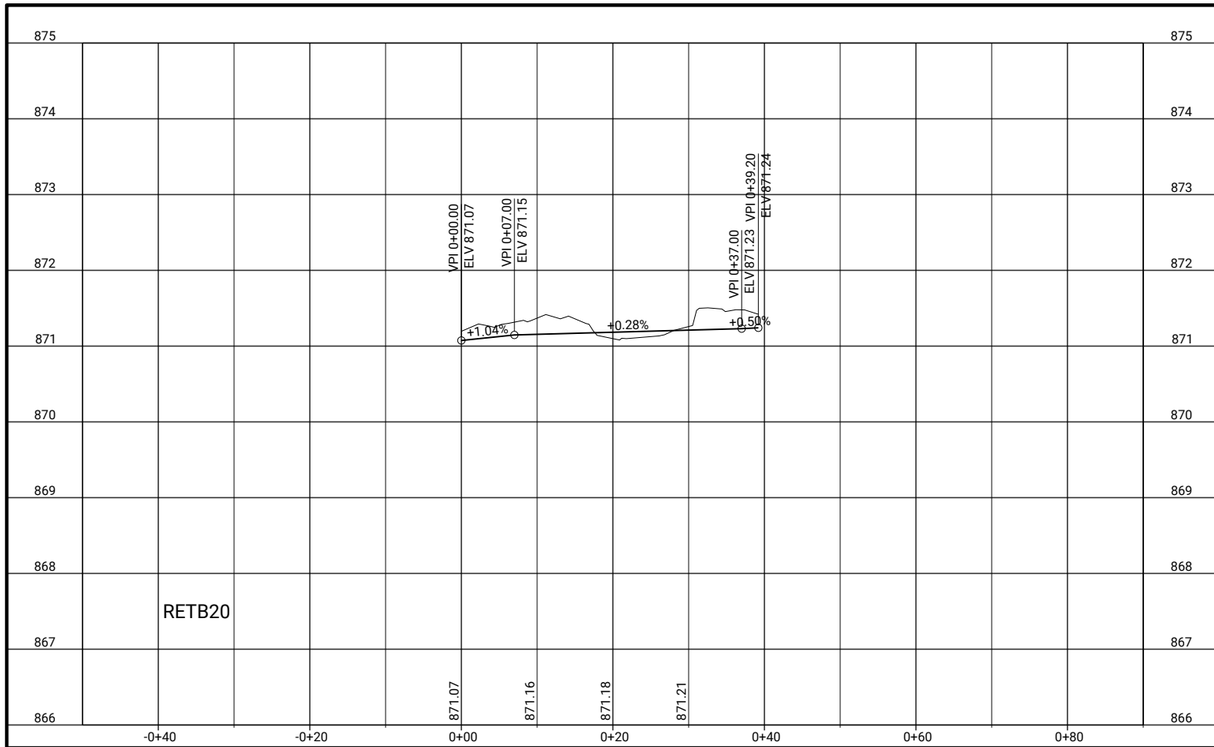

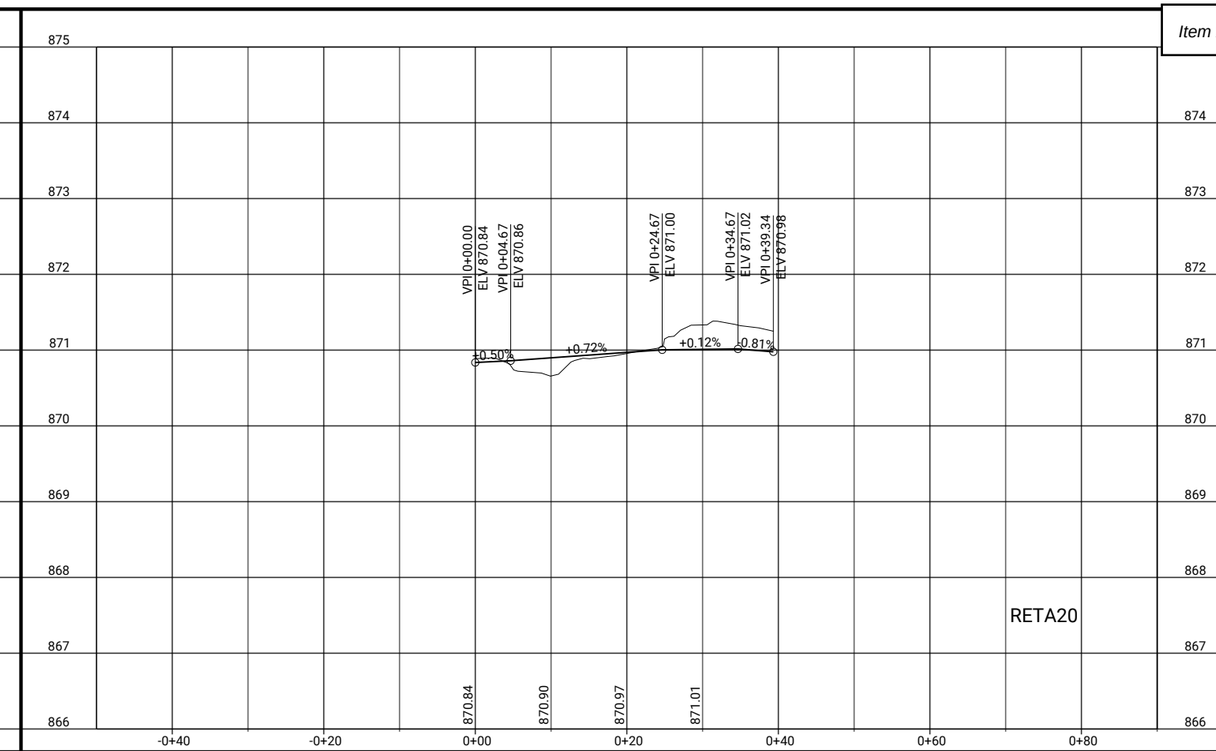

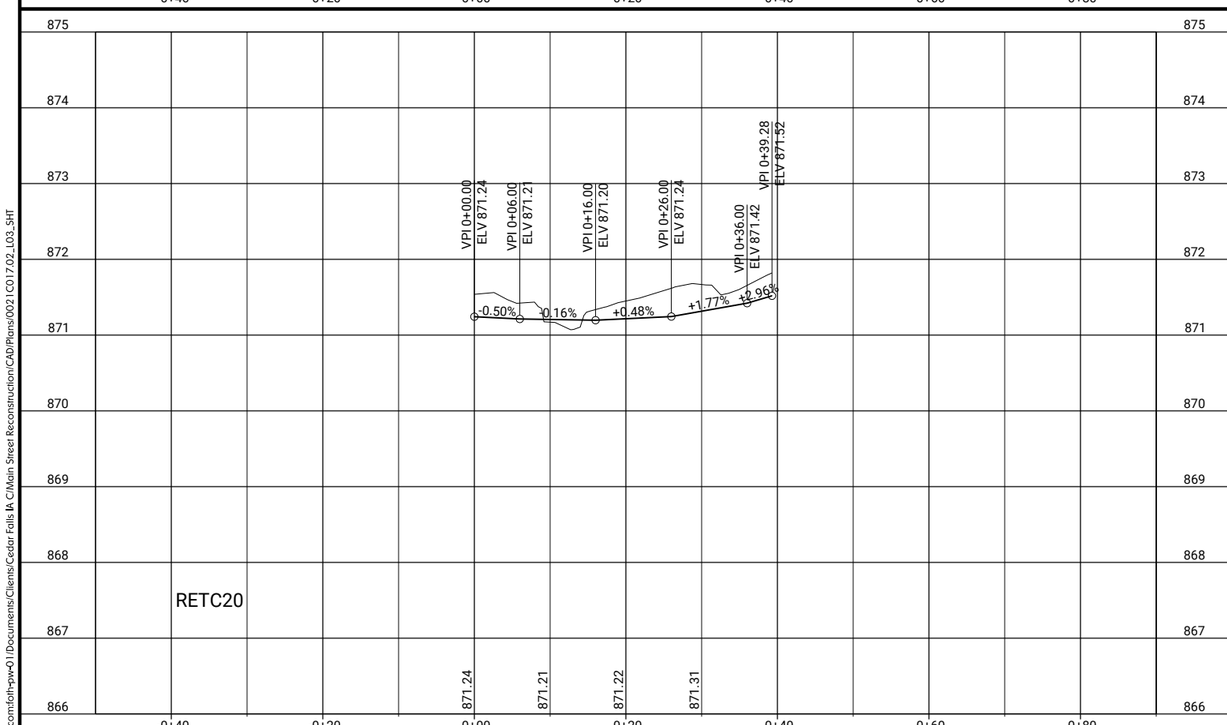

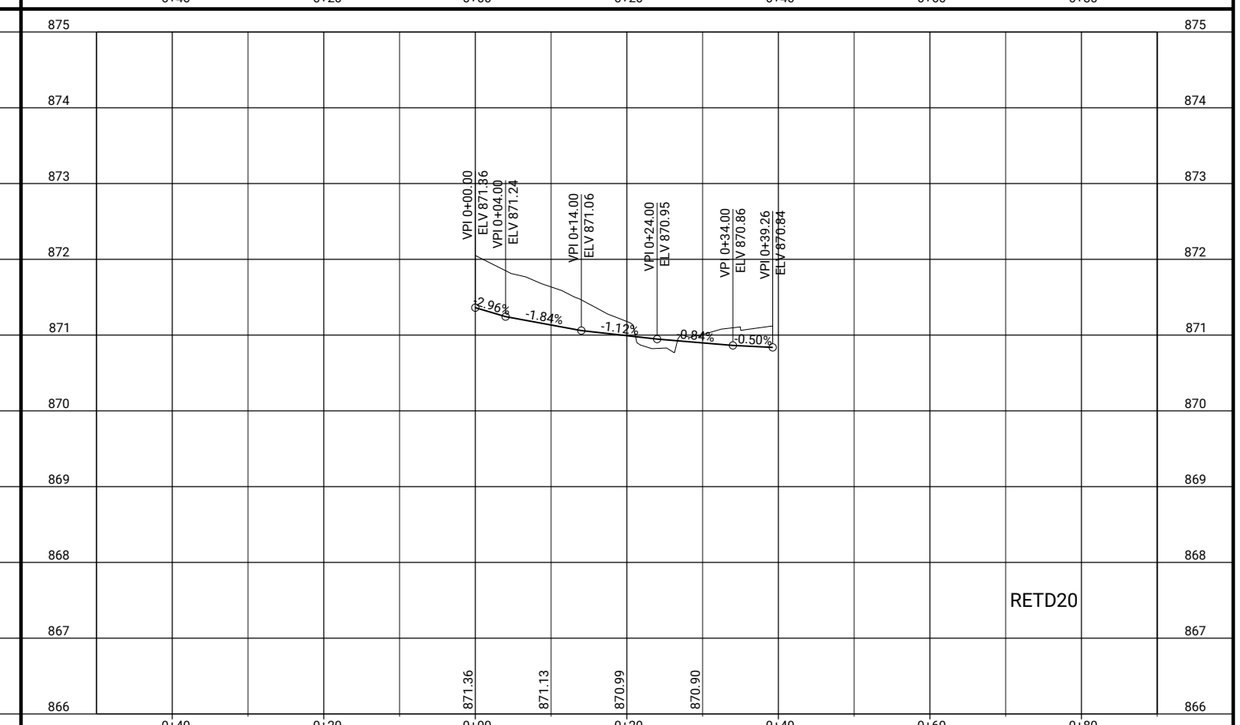

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DESIGNED BY: T. LECLAIR CHECKED BY: C. CARPER DRAWN BY: T. LECLAIR
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

20TH STREET
EDGE RETURN PROFILES

SHEET NO.
L.17
STBG-SWAP-1185(657

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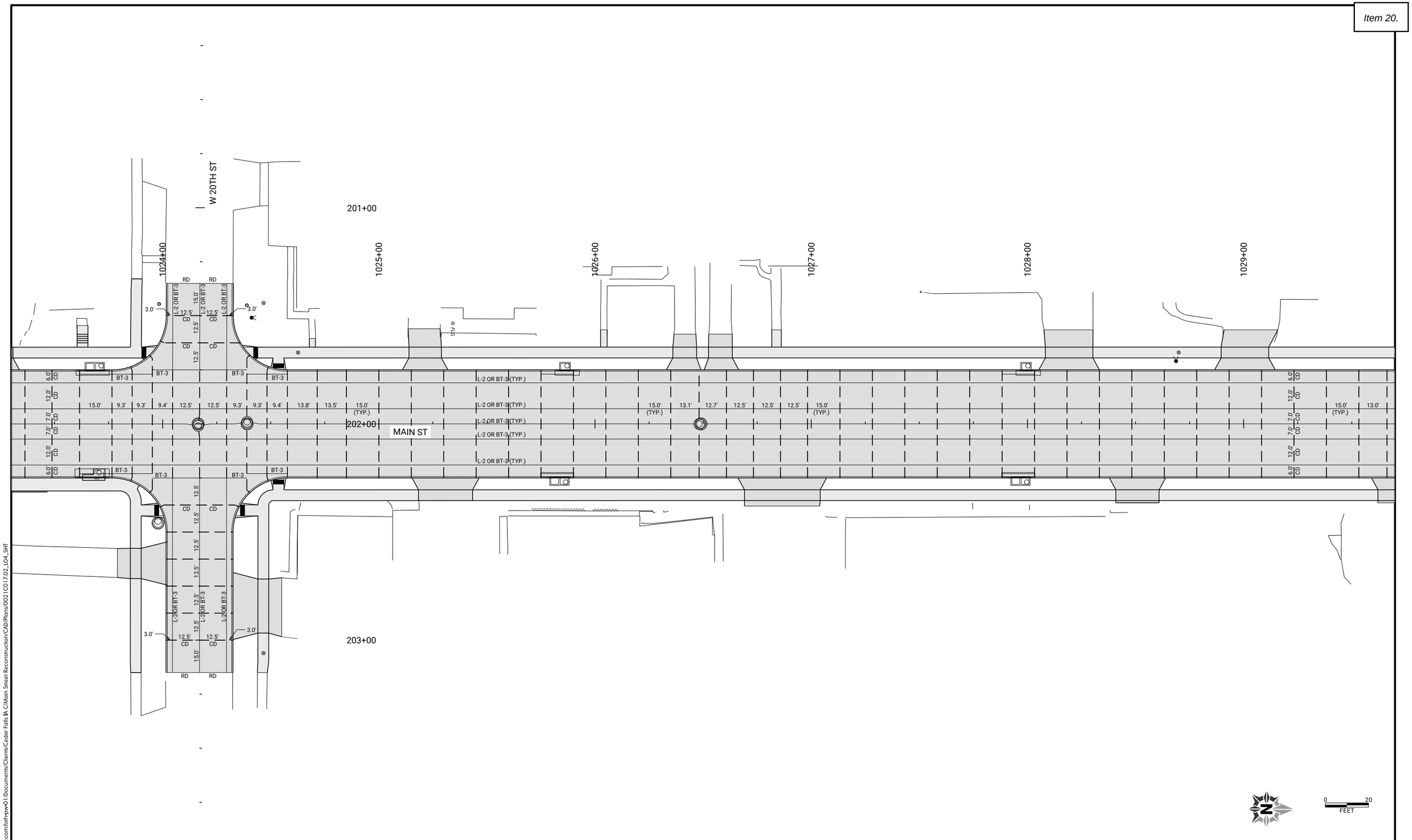

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
JOINTING SHEETS

SHEET NO.
L.18

STBG-SWAP-1185(657)

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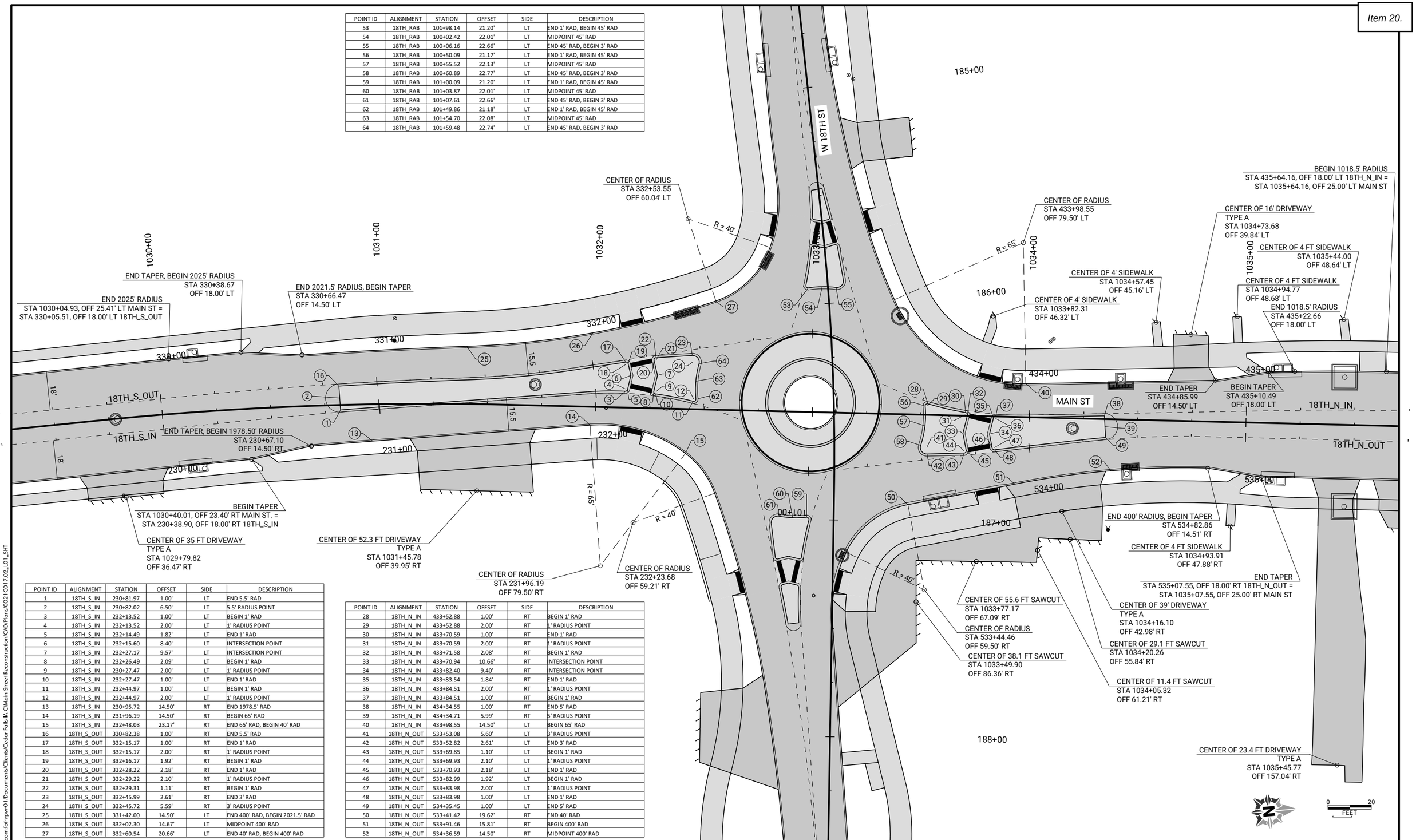
POINT ID	ALIGNMENT	STATION	OFFSET	SIDE	DESCRIPTION
53	18TH_RAB	101+98.14	21.20'	LT	END 1' RAD, BEGIN 45' RAD
54	18TH_RAB	100+02.42	22.01'	LT	MIDPOINT 45' RAD
55	18TH_RAB	100+06.16	22.66'	LT	END 45' RAD, BEGIN 3' RAD
56	18TH_RAB	100+50.09	21.17'	LT	END 1' RAD, BEGIN 45' RAD
57	18TH_RAB	100+55.52	22.13'	LT	MIDPOINT 45' RAD
58	18TH_RAB	100+60.89	22.77'	LT	END 45' RAD, BEGIN 3' RAD
59	18TH_RAB	101+00.09	21.20'	LT	END 1' RAD, BEGIN 45' RAD
60	18TH_RAB	101+03.87	22.01'	LT	MIDPOINT 45' RAD
61	18TH_RAB	101+07.61	22.66'	LT	END 45' RAD, BEGIN 3' RAD
62	18TH_RAB	101+49.86	21.18'	LT	END 1' RAD, BEGIN 45' RAD
63	18TH_RAB	101+54.70	22.08'	LT	MIDPOINT 45' RAD
64	18TH_RAB	101+59.48	22.74'	LT	END 45' RAD, BEGIN 3' RAD



POINT ID	ALIGNMENT	STATION	OFFSET	SIDE	DESCRIPTION
1	18TH_S_IN	230+81.97	1.00'	LT	END 5.5' RAD
2	18TH_S_IN	230+82.02	6.50'	LT	5.5' RADIUS POINT
3	18TH_S_IN	232+13.52	1.00'	LT	BEGIN 1' RAD
4	18TH_S_IN	232+13.52	2.00'	LT	1' RADIUS POINT
5	18TH_S_IN	232+14.49	1.82'	LT	END 1' RAD
6	18TH_S_IN	232+15.60	8.40'	LT	INTERSECTION POINT
7	18TH_S_IN	232+27.17	9.57'	LT	INTERSECTION POINT
8	18TH_S_IN	232+26.49	2.09'	LT	BEGIN 1' RAD
9	18TH_S_IN	230+27.47	2.00'	LT	1' RADIUS POINT
10	18TH_S_IN	232+27.47	1.00'	LT	END 1' RAD
11	18TH_S_IN	232+44.97	1.00'	LT	BEGIN 1' RAD
12	18TH_S_IN	232+44.97	2.00'	LT	1' RADIUS POINT
13	18TH_S_IN	230+95.72	14.50'	RT	END 1978.5' RAD
14	18TH_S_IN	231+96.19	14.50'	RT	BEGIN 65' RAD
15	18TH_S_IN	232+48.03	23.17'	RT	END 65' RAD, BEGIN 40' RAD
16	18TH_S_OUT	330+82.38	1.00'	RT	END 5.5' RAD
17	18TH_S_OUT	332+15.17	1.00'	RT	END 1' RAD
18	18TH_S_OUT	332+15.17	2.00'	RT	1' RADIUS POINT
19	18TH_S_OUT	332+16.17	1.92'	RT	BEGIN 1' RAD
20	18TH_S_OUT	332+28.22	2.18'	RT	END 1' RAD
21	18TH_S_OUT	332+29.22	2.10'	RT	1' RADIUS POINT
22	18TH_S_OUT	332+29.31	1.11'	RT	BEGIN 1' RAD
23	18TH_S_OUT	332+45.99	2.61'	RT	END 3' RAD
24	18TH_S_OUT	332+45.72	5.59'	RT	3' RADIUS POINT
25	18TH_S_OUT	331+42.00	14.50'	LT	END 400' RAD, BEGIN 2021.5' RAD
26	18TH_S_OUT	332+02.30	14.67'	LT	MIDPOINT 400' RAD
27	18TH_S_OUT	332+60.54	20.66'	LT	END 40' RAD, BEGIN 400' RAD

POINT ID	ALIGNMENT	STATION	OFFSET	SIDE	DESCRIPTION
28	18TH_N_IN	433+52.88	1.00'	RT	BEGIN 1' RAD
29	18TH_N_IN	433+52.88	2.00'	RT	1' RADIUS POINT
30	18TH_N_IN	433+70.59	1.00'	RT	END 1' RAD
31	18TH_N_IN	433+70.59	2.00'	RT	1' RADIUS POINT
32	18TH_N_IN	433+71.58	2.08'	RT	BEGIN 1' RAD
33	18TH_N_IN	433+70.94	10.66'	RT	INTERSECTION POINT
34	18TH_N_IN	433+82.40	9.40'	RT	INTERSECTION POINT
35	18TH_N_IN	433+83.54	1.84'	RT	END 1' RAD
36	18TH_N_IN	433+84.51	2.00'	RT	1' RADIUS POINT
37	18TH_N_IN	433+84.51	1.00'	RT	BEGIN 1' RAD
38	18TH_N_IN	434+34.55	1.00'	RT	END 5' RAD
39	18TH_N_IN	434+34.71	5.99'	RT	5' RADIUS POINT
40	18TH_N_IN	433+98.55	14.50'	LT	BEGIN 65' RAD
41	18TH_N_OUT	533+53.08	5.60'	LT	3' RADIUS POINT
42	18TH_N_OUT	533+52.82	2.61'	LT	END 3' RAD
43	18TH_N_OUT	533+69.85	1.10'	LT	BEGIN 1' RAD
44	18TH_N_OUT	533+69.93	2.10'	LT	1' RADIUS POINT
45	18TH_N_OUT	533+70.93	2.18'	LT	END 1' RAD
46	18TH_N_OUT	533+82.99	1.92'	LT	BEGIN 1' RAD
47	18TH_N_OUT	533+83.98	2.00'	LT	1' RADIUS POINT
48	18TH_N_OUT	533+83.98	1.00'	LT	END 1' RAD
49	18TH_N_OUT	534+35.45	1.00'	LT	END 5' RAD
50	18TH_N_OUT	533+41.42	19.62'	RT	END 40' RAD
51	18TH_N_OUT	533+91.46	15.81'	RT	BEGIN 400' RAD
52	18TH_N_OUT	534+36.59	15.50'	RT	MIDPOINT 400' RAD

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: C. CARPER CHECKED BY: C. CARPER DRAWN BY: T. LECLAIR
LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 4:37:31 PM
CAD FILE: c:\pw_workdir\pw_ie\ttl\d0518375\0021C017.02_L01_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
GEOMETRIC DETAIL SHEETS

SHEET NO.
L.19
STBG-SWAP-1185(657

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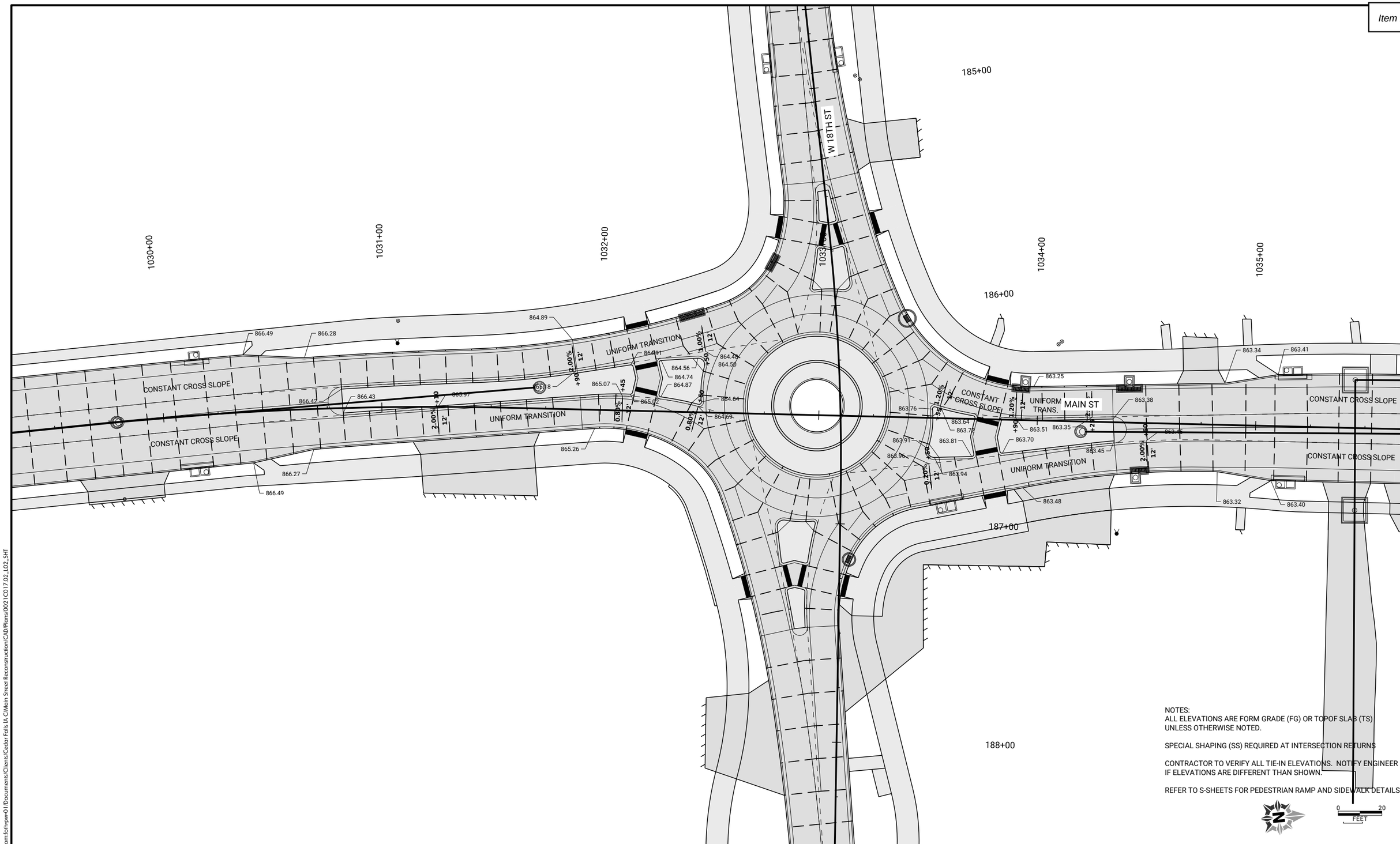

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STAKING DETAIL SHEETS

SHEET NO.
L.20

STBG-SWAP-1185(657

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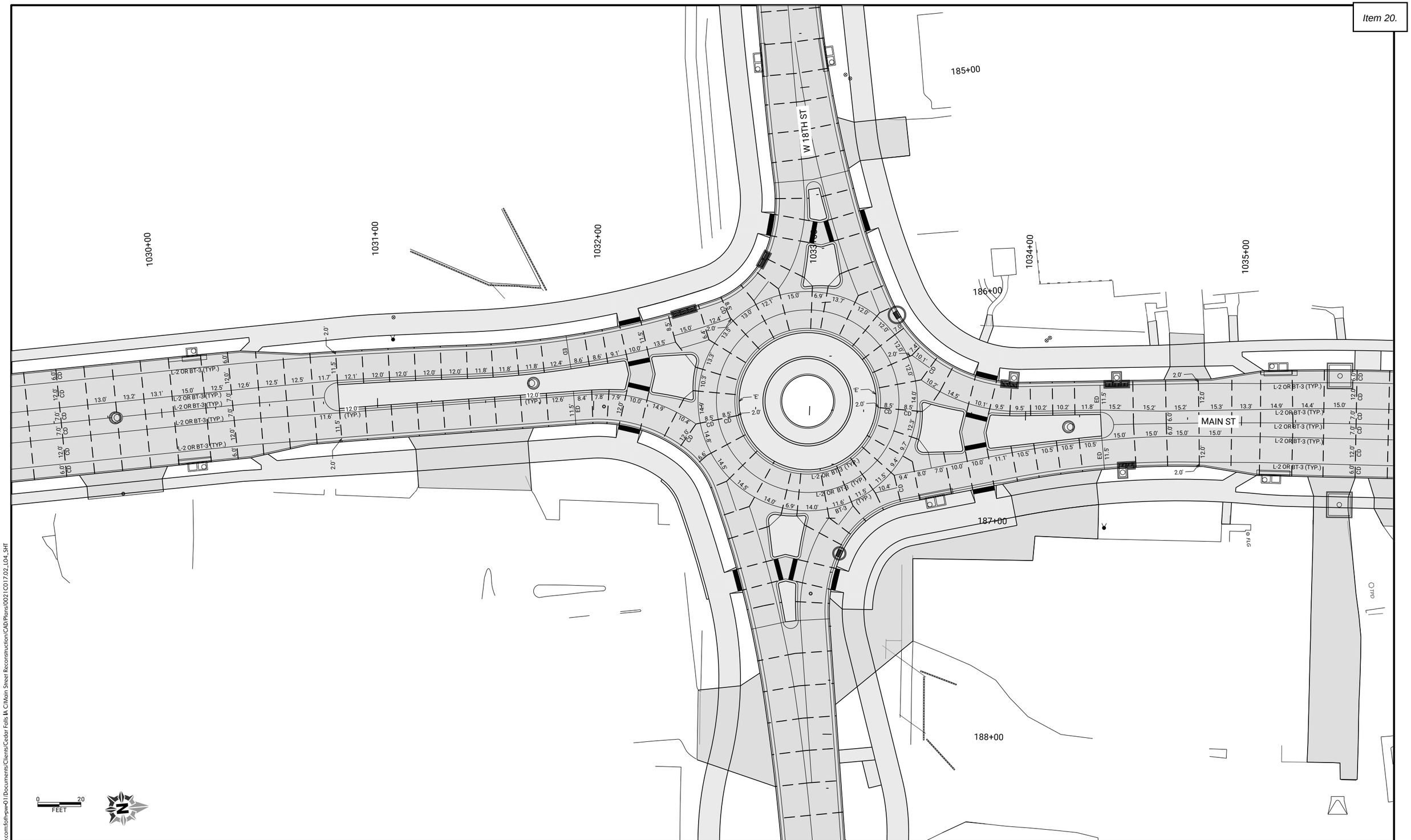

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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: C. CARPER	CHECKED BY: C. CARPER	DRAWN BY: T. LECLAIR	
LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022	4:51:31 PM	
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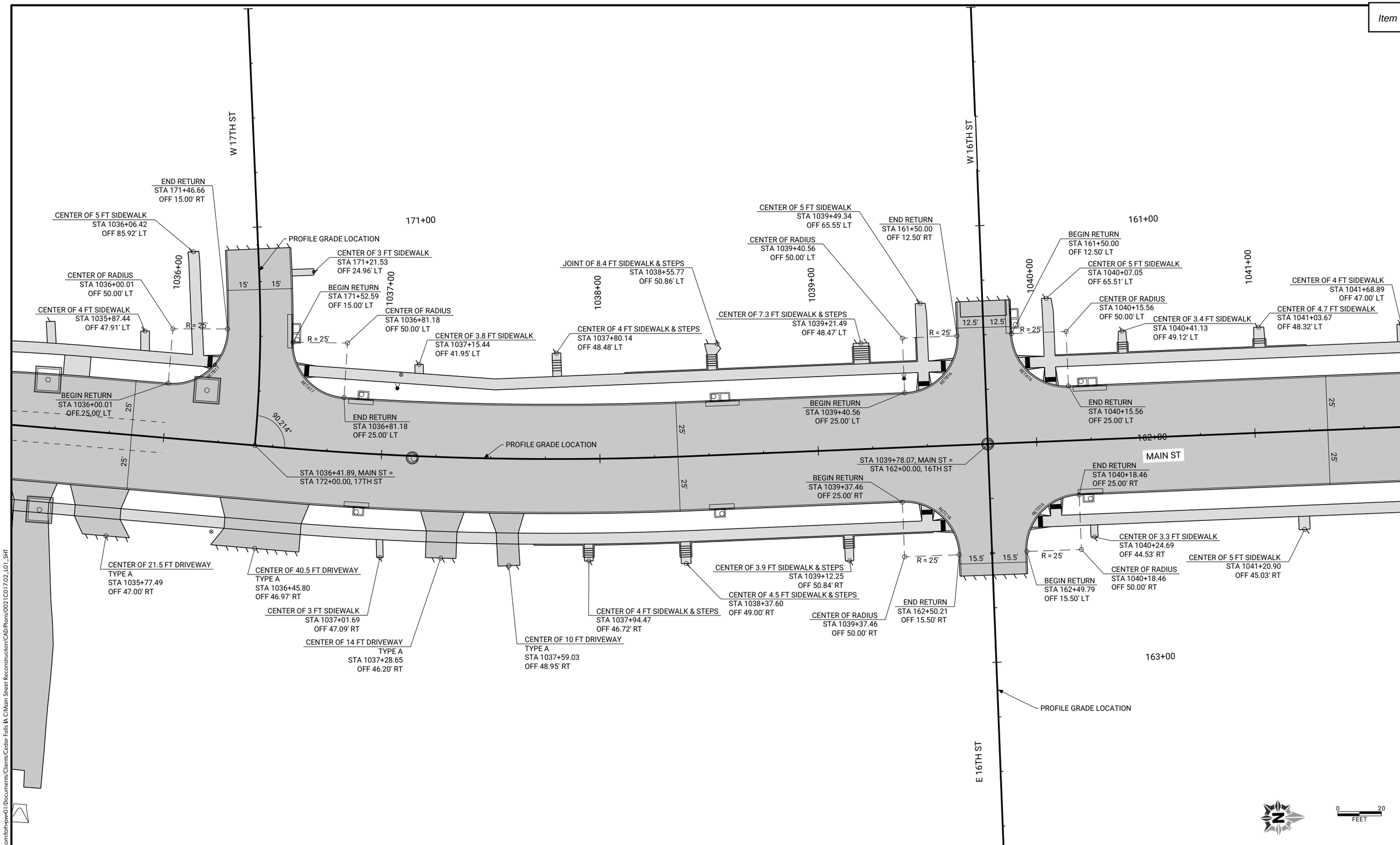
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
JOINTING SHEETS

SHEET NO.
L.21

STBG-SWAP-1185(657



CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: C. CARPER CHECKED BY: C. CARPER DRAWN BY: T. LECLAIR
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CAD FILE: c:\pw_workdir\pw_ie\ttl\d0518375\0021C017.02_L01_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
GEOMETRIC DETAIL SHEETS

SHEET NO.
L.22

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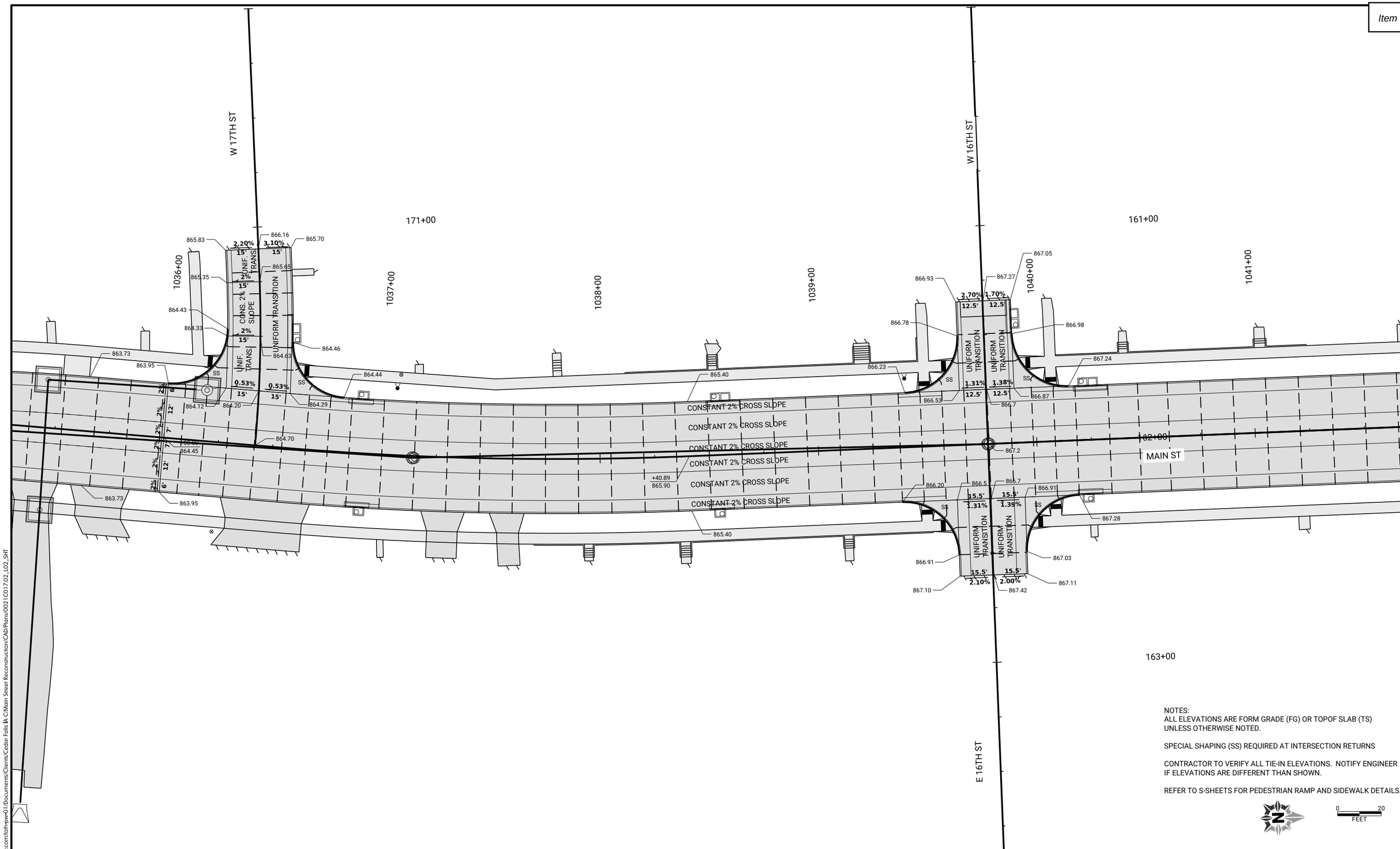

NOTES:
ALL ELEVATIONS ARE FORM GRADE (FG) OR TOPOF SLAB (TS) UNLESS OTHERWISE NOTED.

SPECIAL SHAPING (SS) REQUIRED AT INTERSECTION RETURNS

CONTRACTOR TO VERIFY ALL TIE-IN ELEVATIONS. NOTIFY ENGINEER IF ELEVATIONS ARE DIFFERENT THAN SHOWN.

REFER TO S-SHEETS FOR PEDESTRIAN RAMP AND SIDEWALK DETAILS.

0 20
FEET

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CLIENT PROJECT NO:	STBG-SWAP-1185(657)--SG--07
FOTH PROJECT NO:	0021C017.02
DESIGNED BY:	C. CARPER
CHECKED BY:	C. CARPER
DRAWN BY:	T. LECLAIR
LETTING DATE:	11/15/2022
CAD DATE:	9/1/2022 5:11:16 PM
CAD FILE:	c:\pw_workdir\pw_ie\ttl\d0518375\0021C017.02_L02_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

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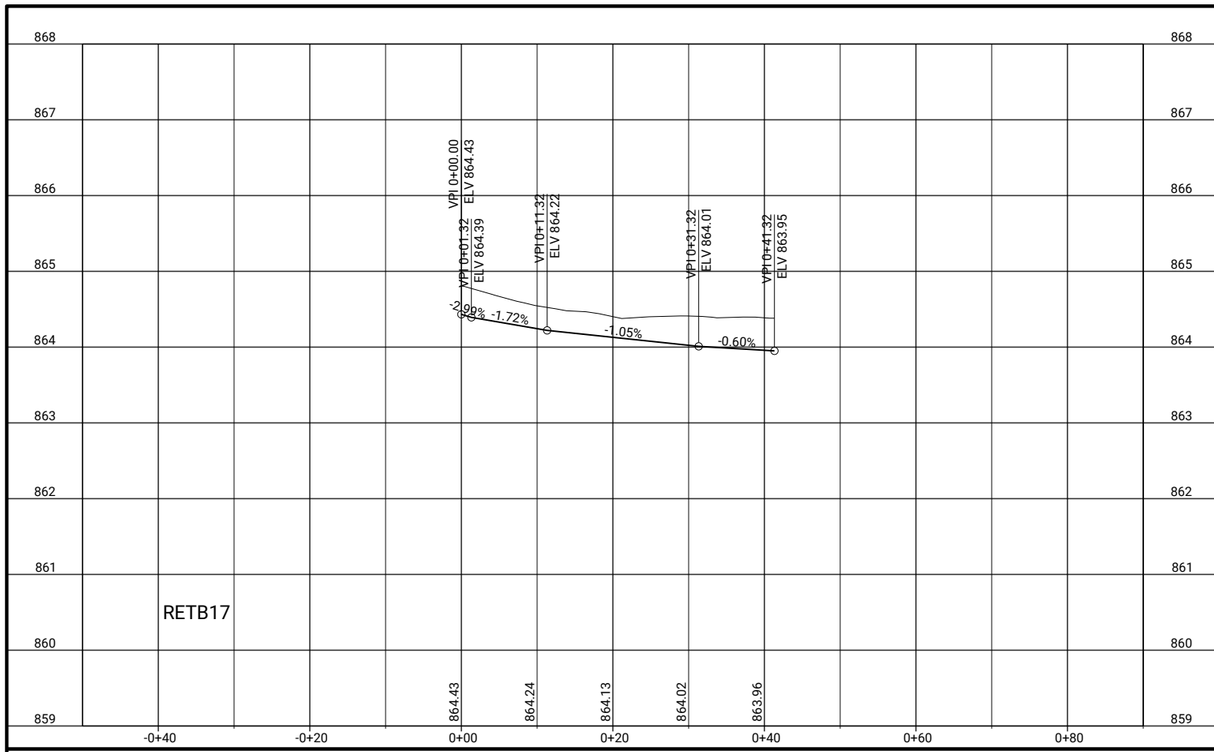
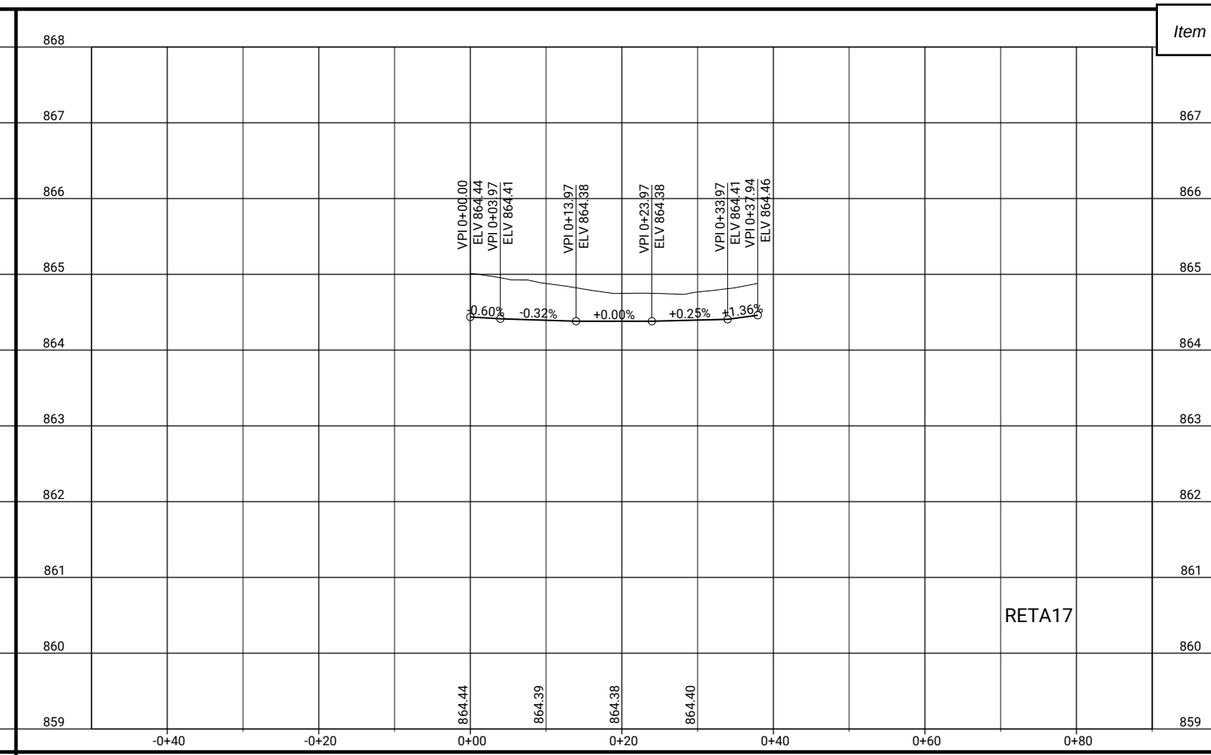
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STAKING DETAIL SHEETS

SHEET NO.
L.23





CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

17TH STREET
EDGE RETURN PROFILES

SHEET NO.
L.24
STBG-SWAP-1185(657

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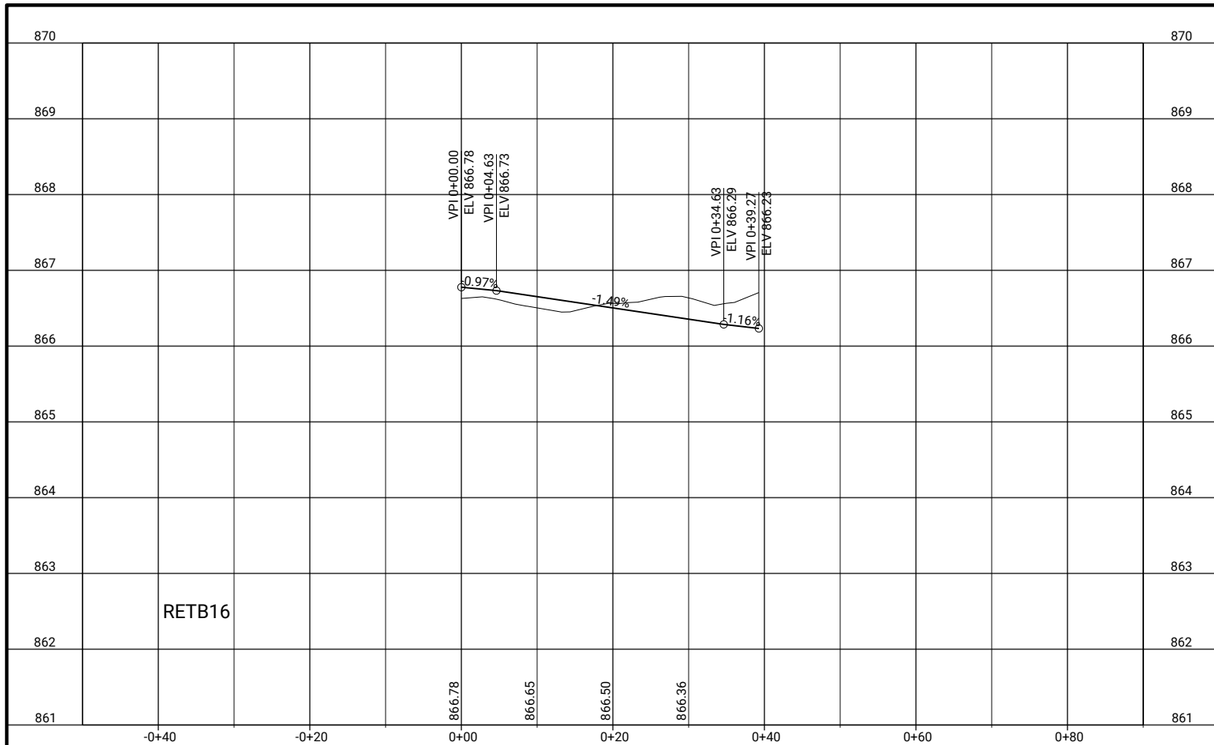

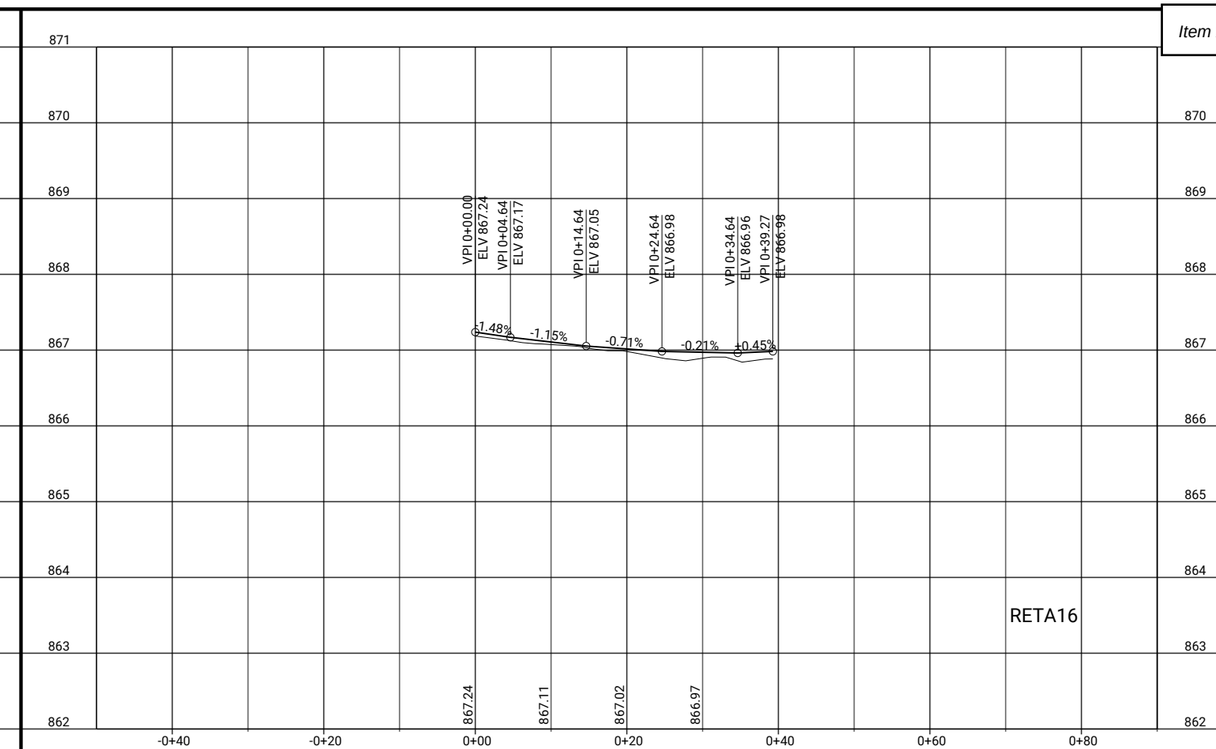

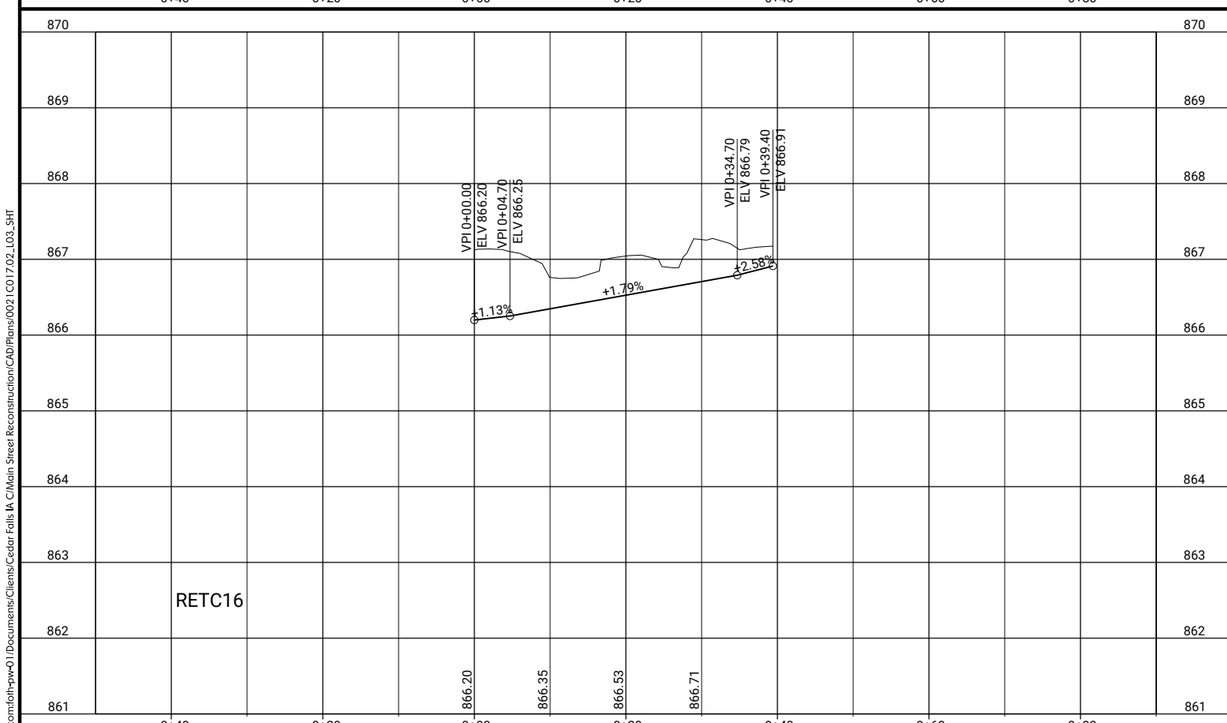

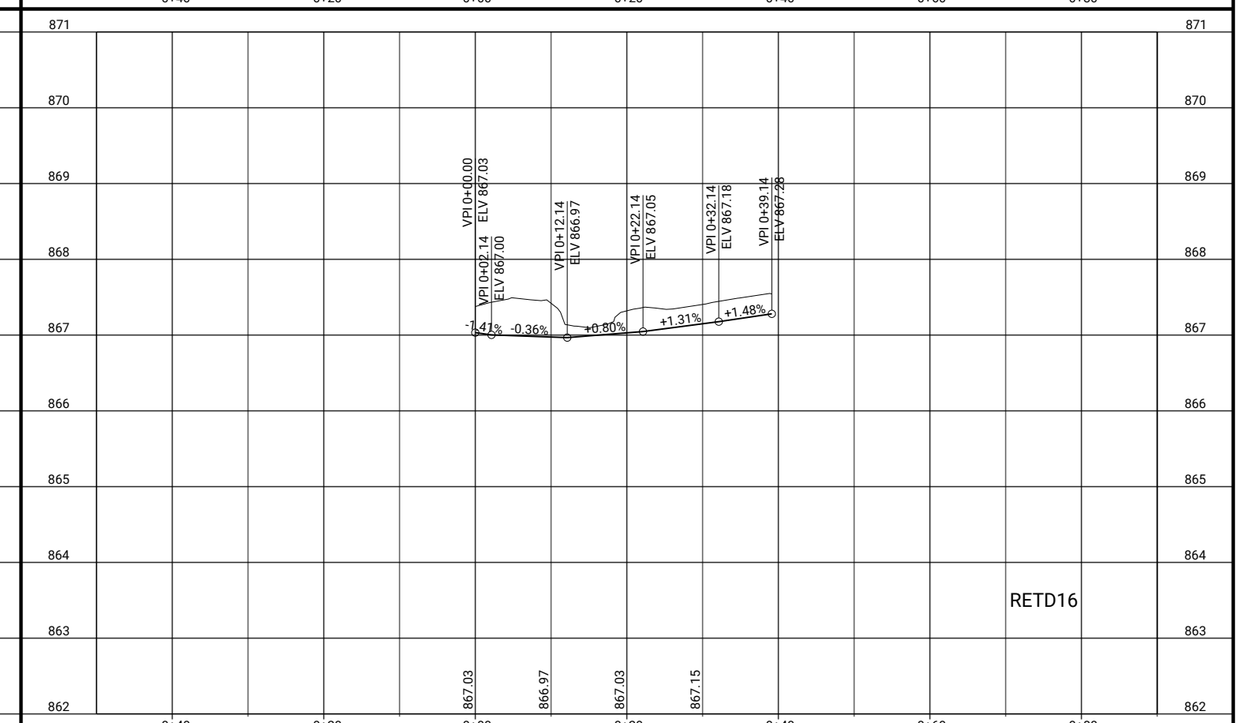

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

16TH STREET
EDGE RETURN PROFILES

SHEET NO.
L.25
STBG-SWAP-1185(657

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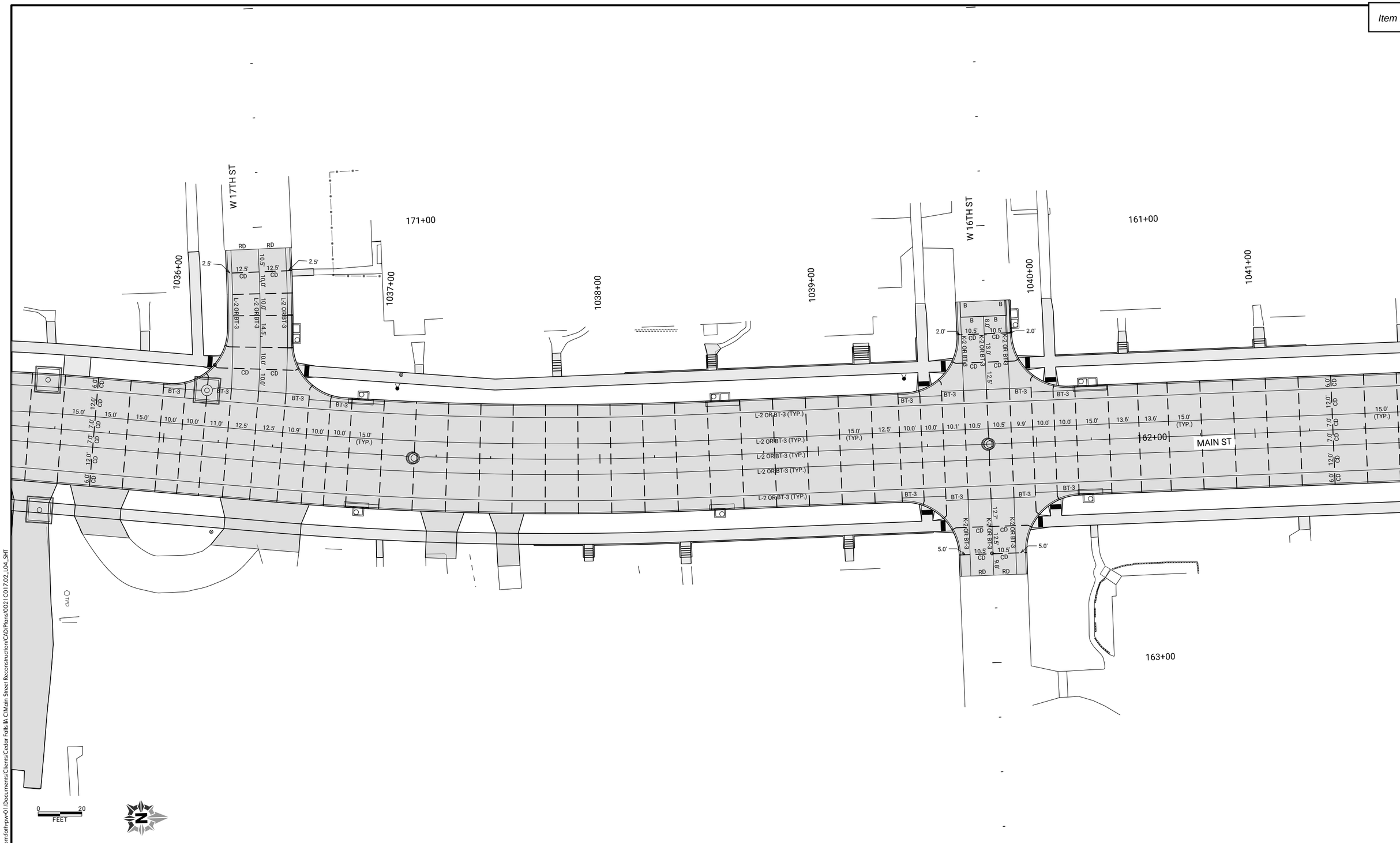

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
JOINTING SHEETS

SHEET NO.
L.26

STBG-SWAP-1185(657

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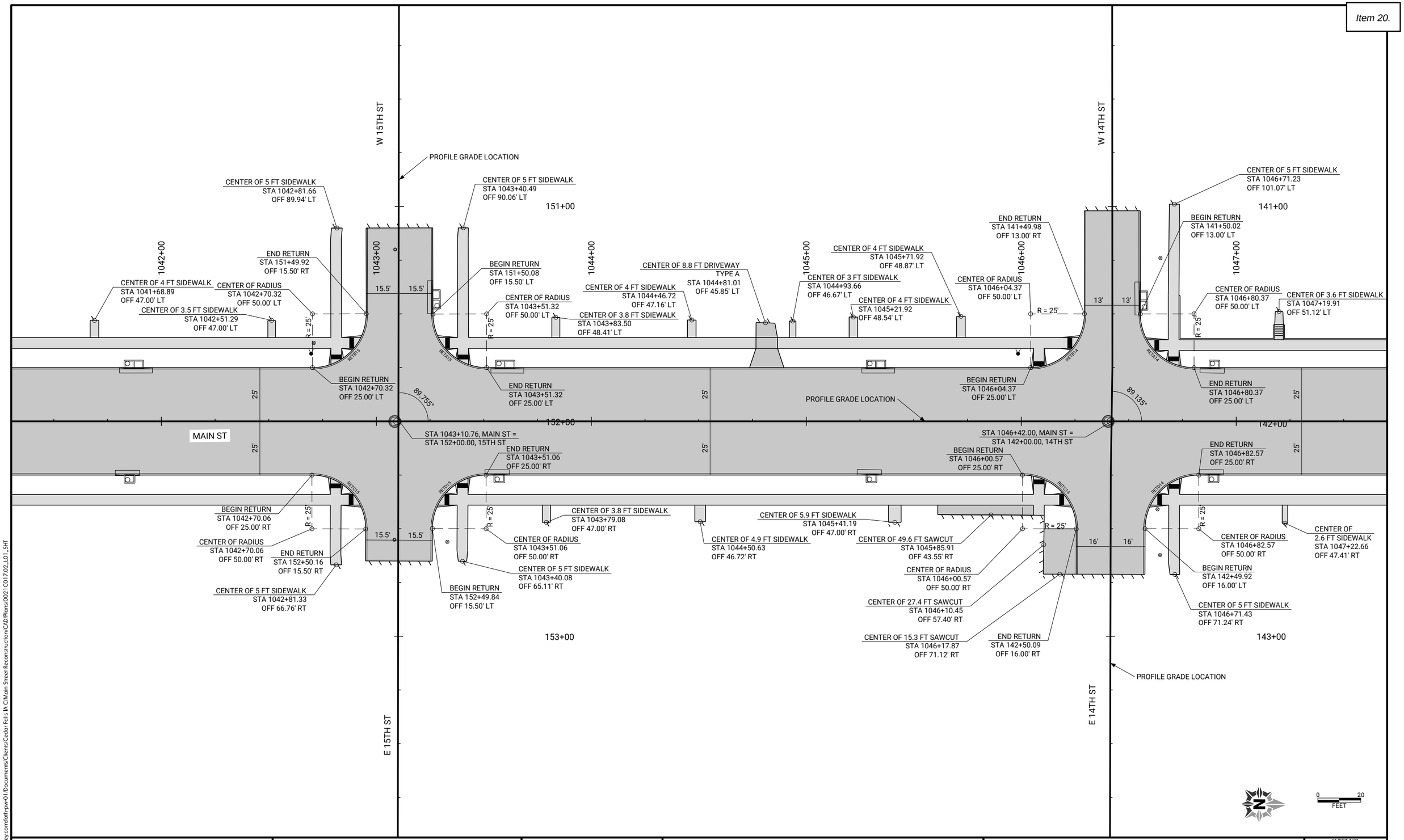

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
GEOMETRIC DETAIL SHEETS

SHEET NO.
L.27

STBG-SWAP-1185(657)

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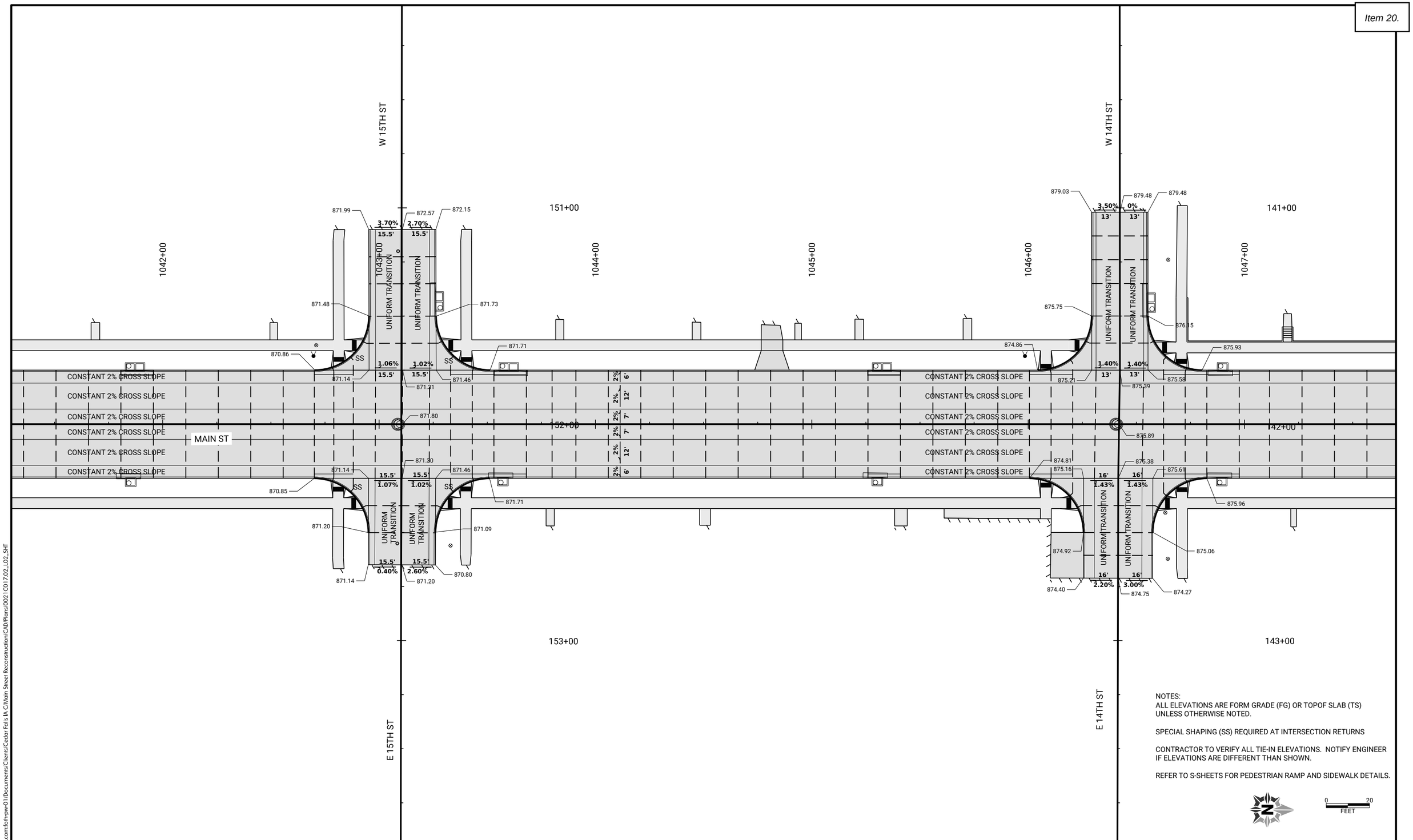

NOTES:
ALL ELEVATIONS ARE FORM GRADE (FG) OR TOPOF SLAB (TS) UNLESS OTHERWISE NOTED.

SPECIAL SHAPING (SS) REQUIRED AT INTERSECTION RETURNS

CONTRACTOR TO VERIFY ALL TIE-IN ELEVATIONS. NOTIFY ENGINEER IF ELEVATIONS ARE DIFFERENT THAN SHOWN.

REFER TO S-SHEETS FOR PEDESTRIAN RAMP AND SIDEWALK DETAILS.

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FEET

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STAKING DETAIL SHEETS

SHEET NO.
L.28

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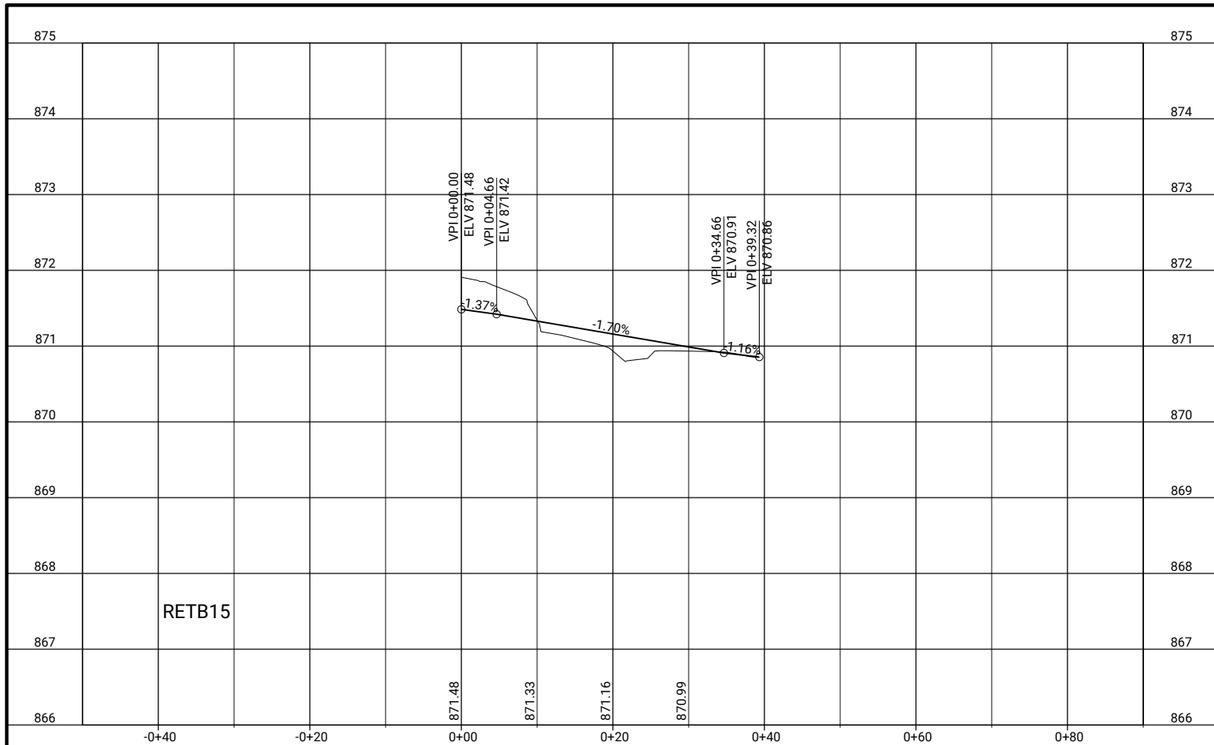

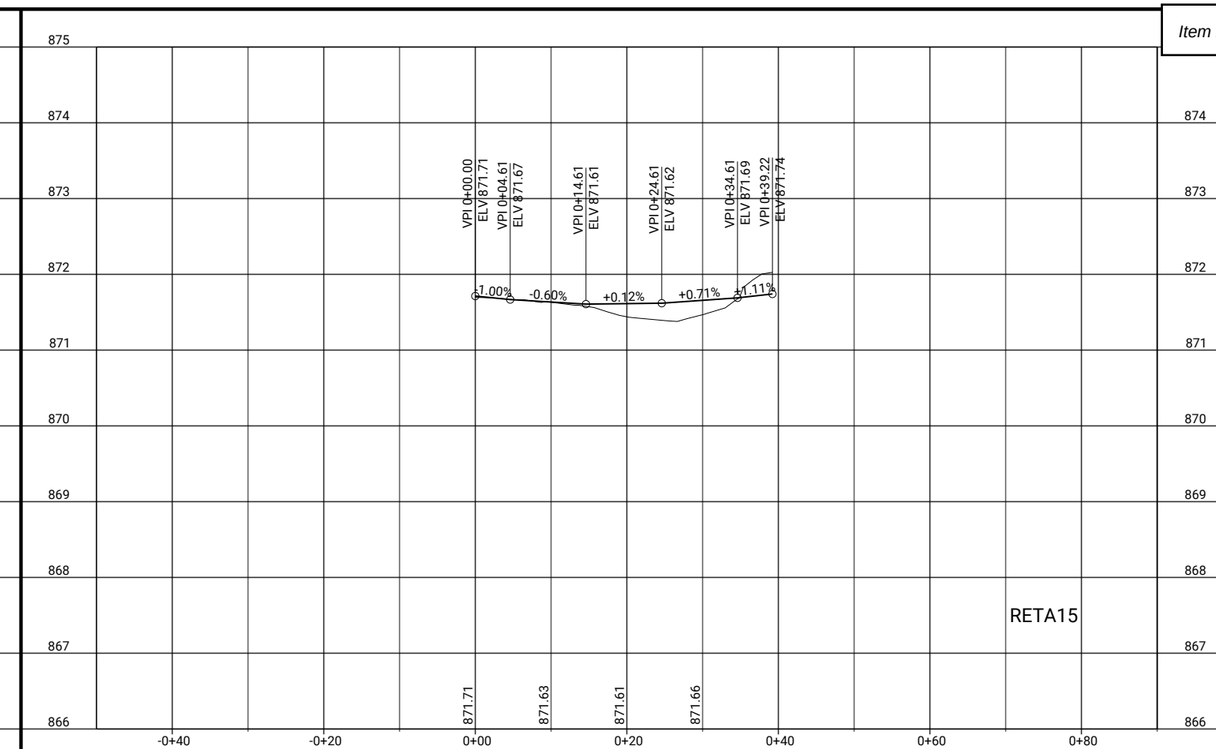

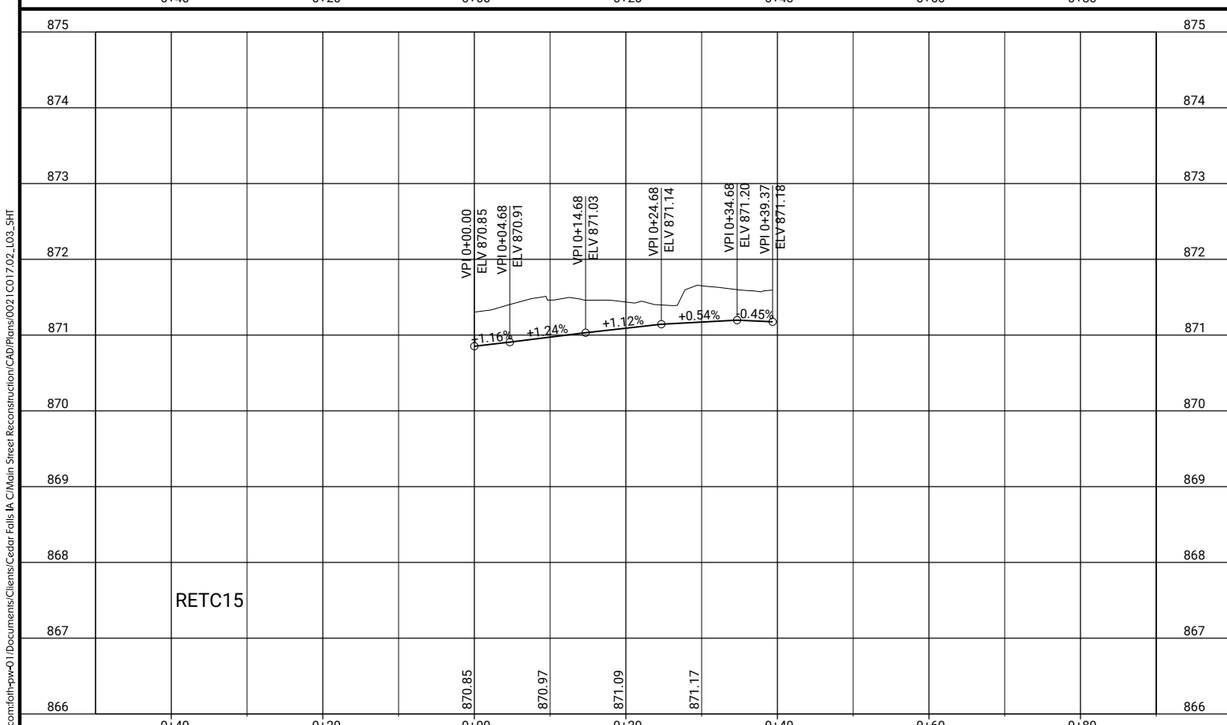

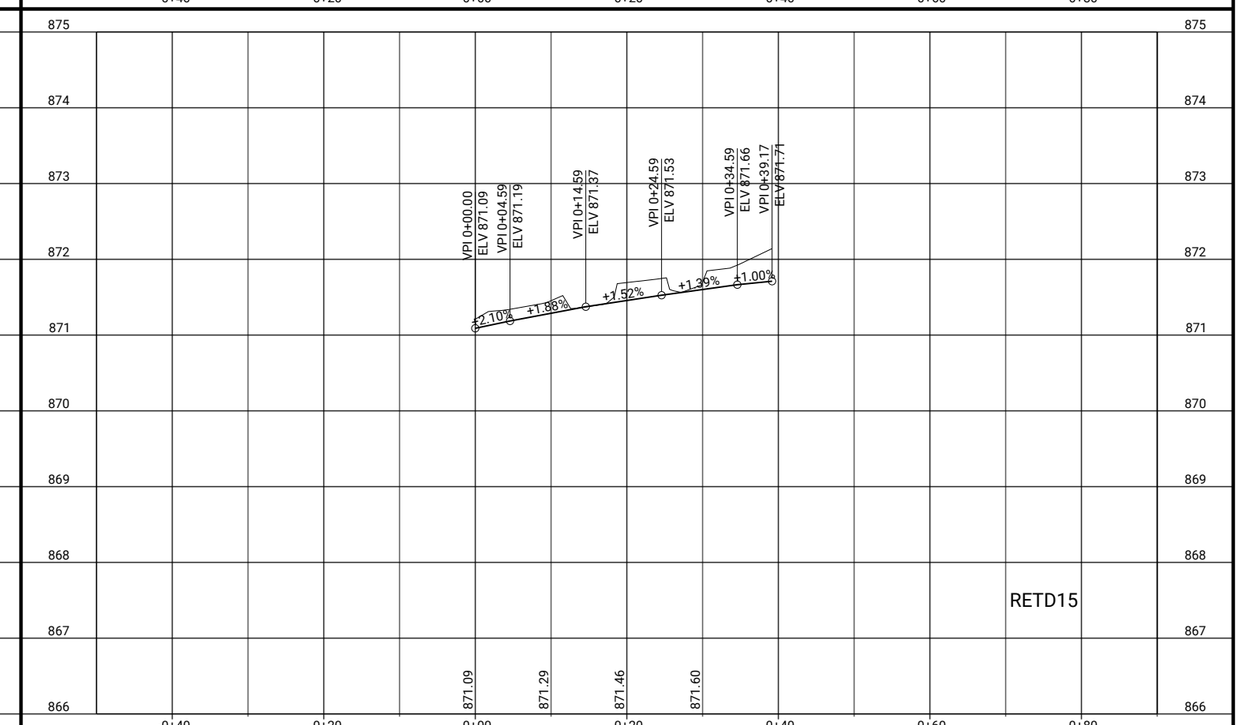

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

15TH STREET
EDGE RETURN PROFILES

SHEET NO.
L.29

STBG-SWAP-1185(657)

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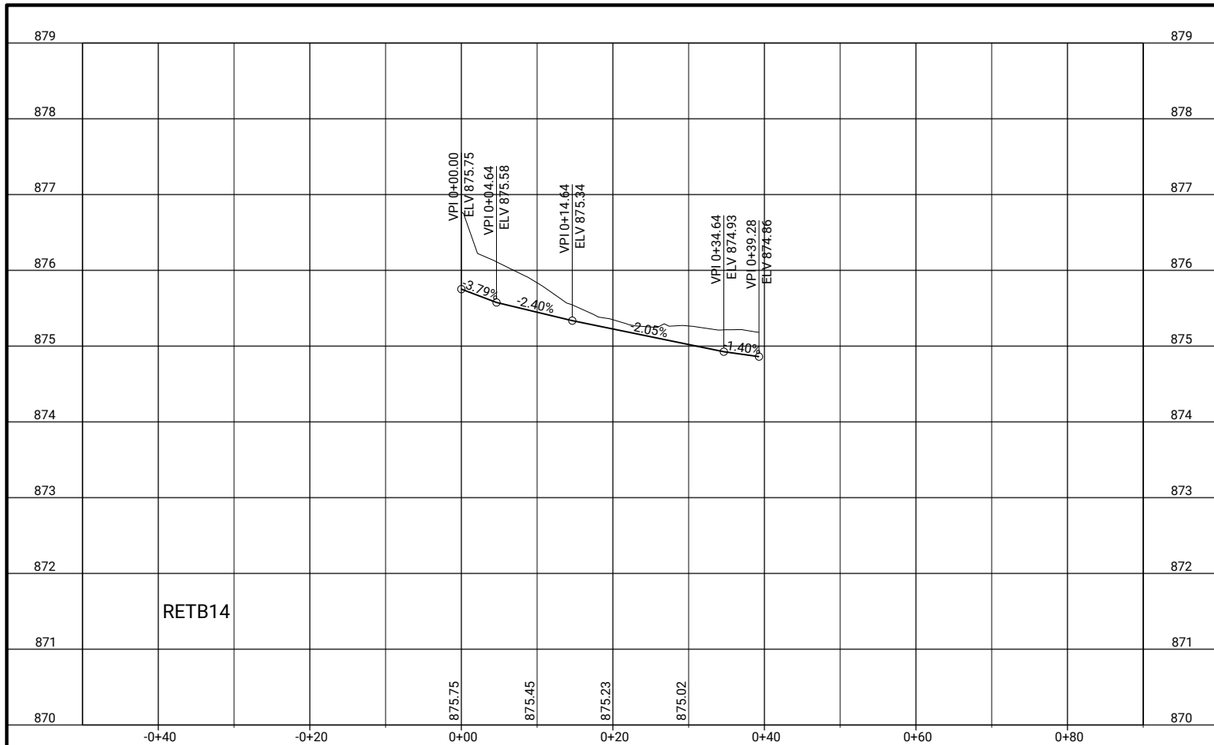

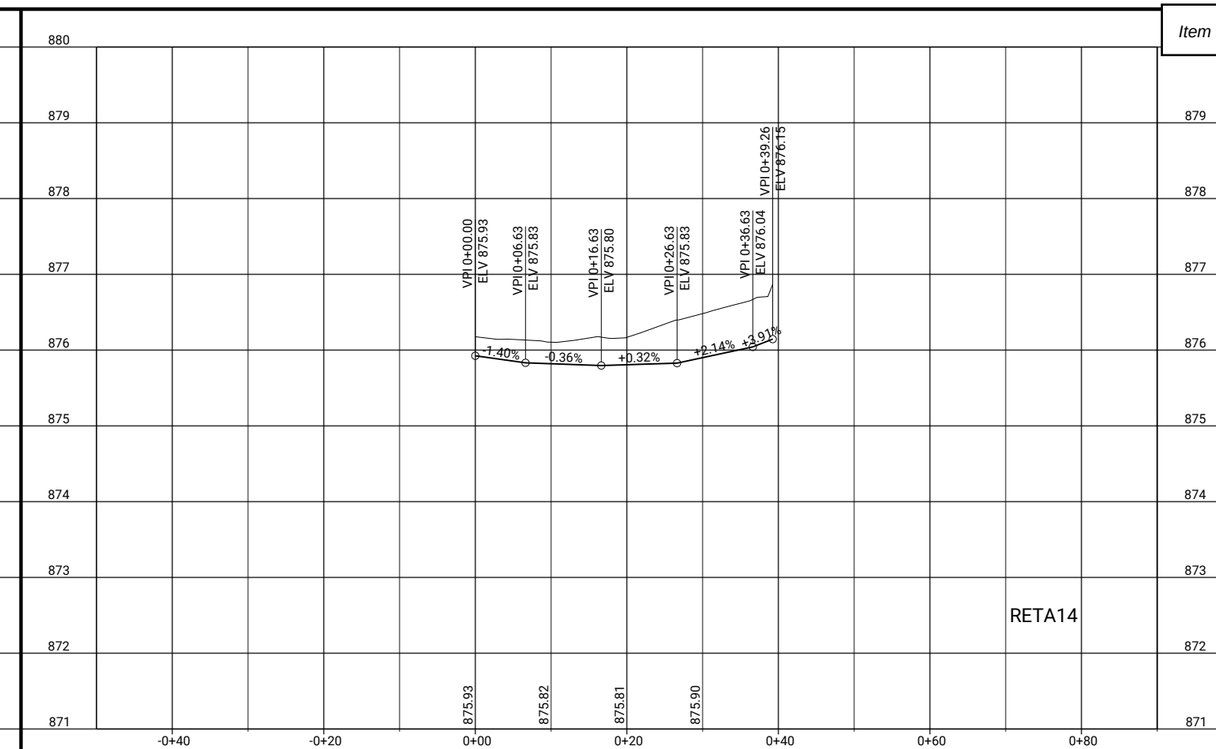

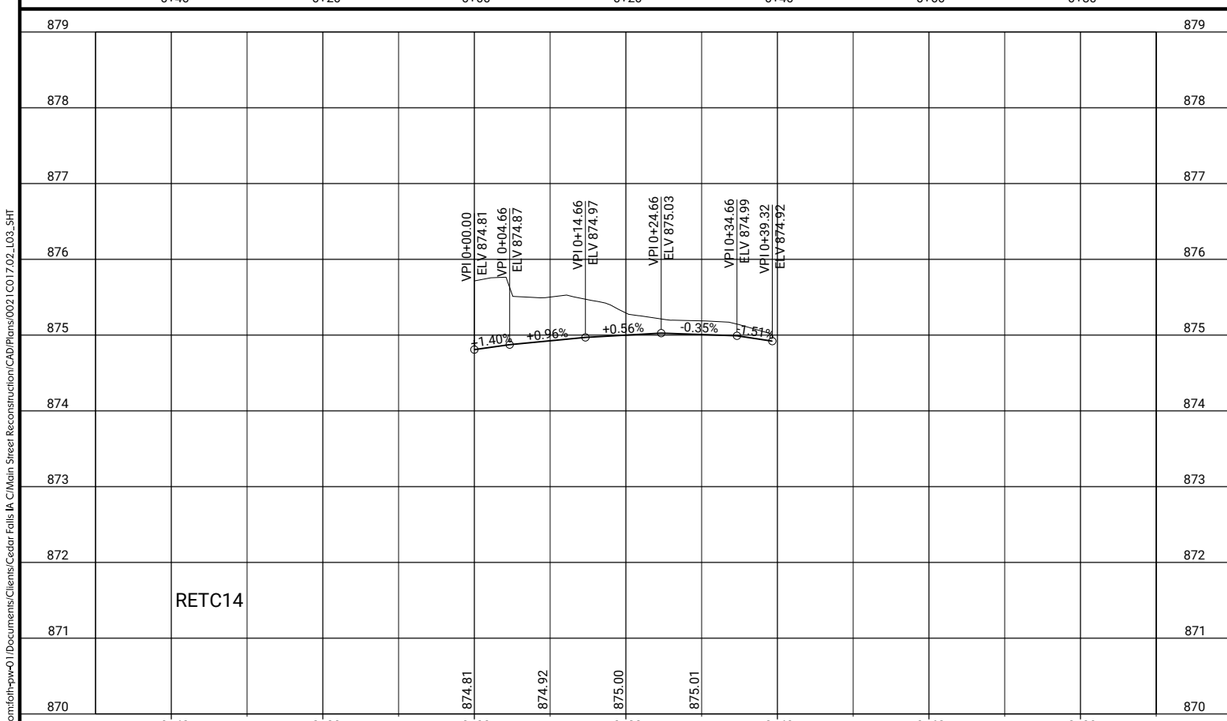

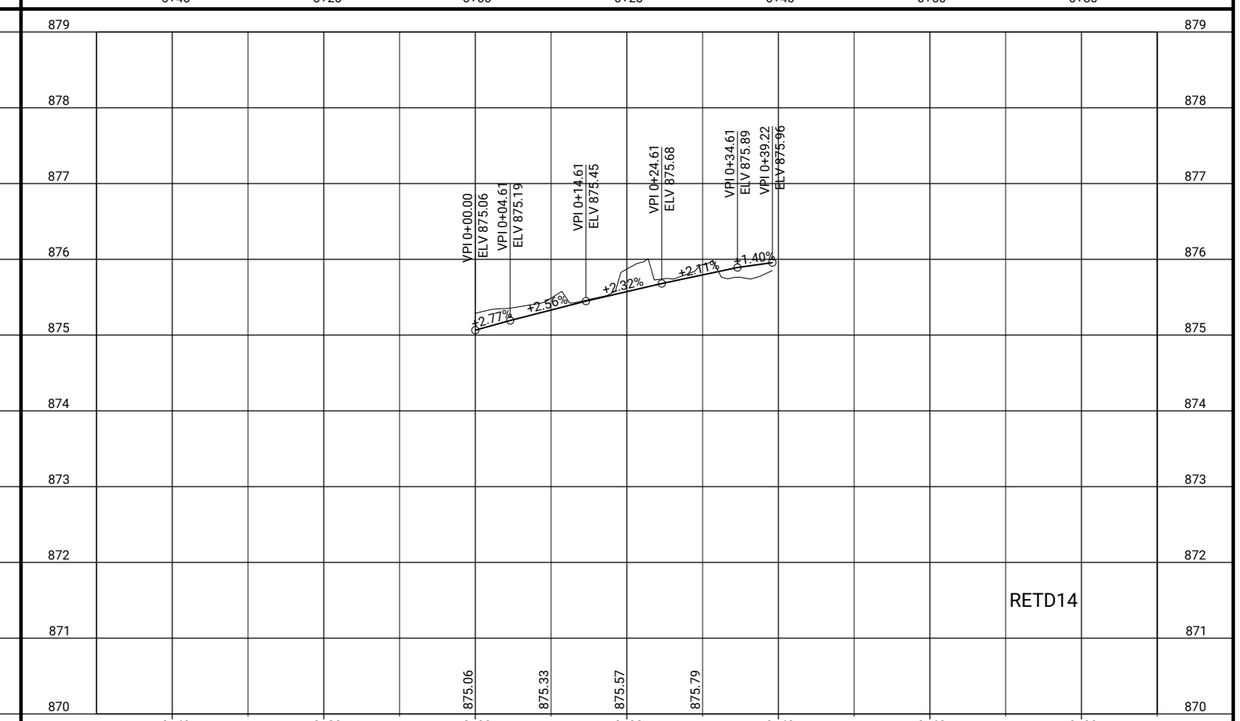

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

14TH STREET
EDGE RETURN PROFILES

SHEET NO.
L.30
STBG-SWAP-1185(657

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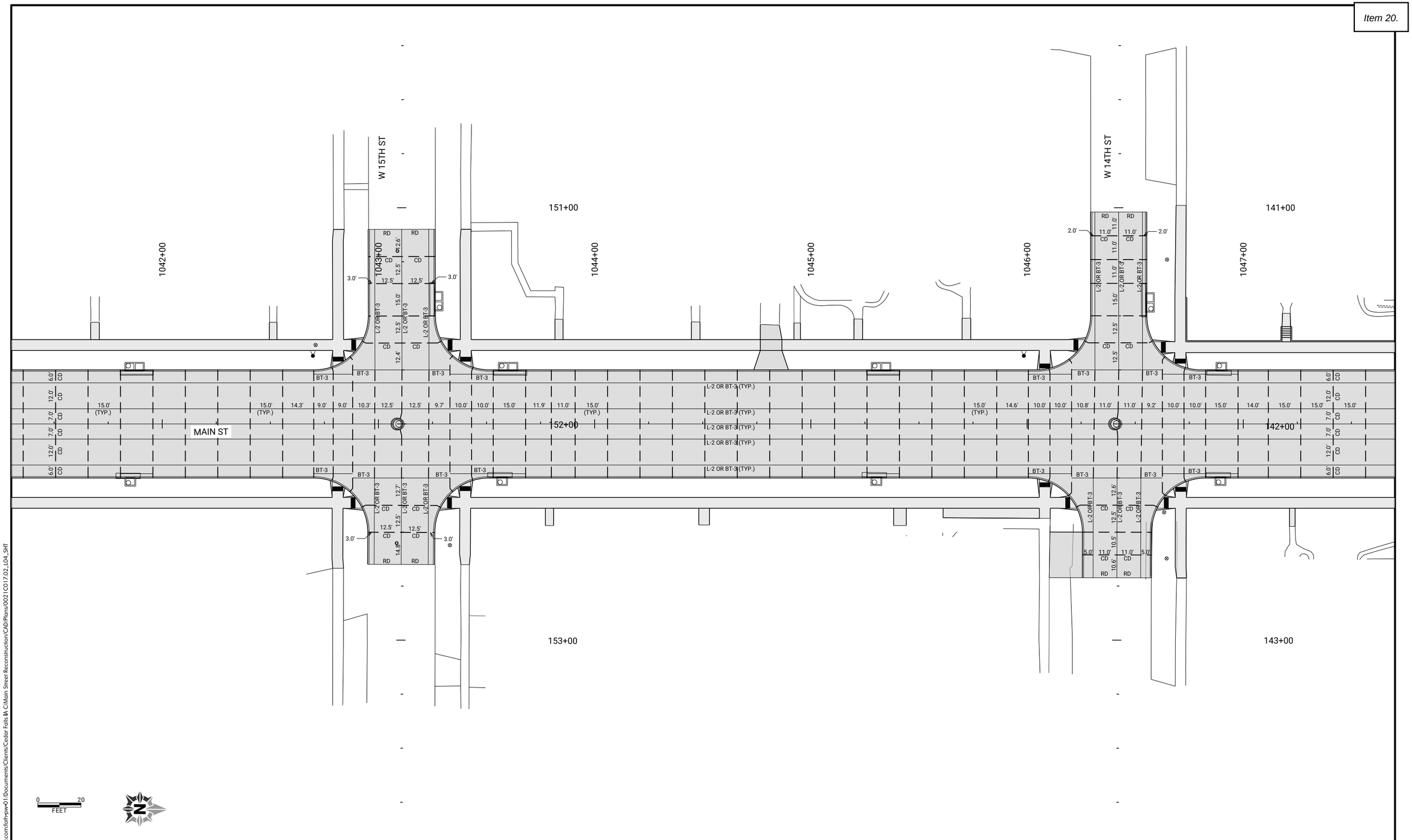

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
JOINTING SHEETS

SHEET NO.
L.31

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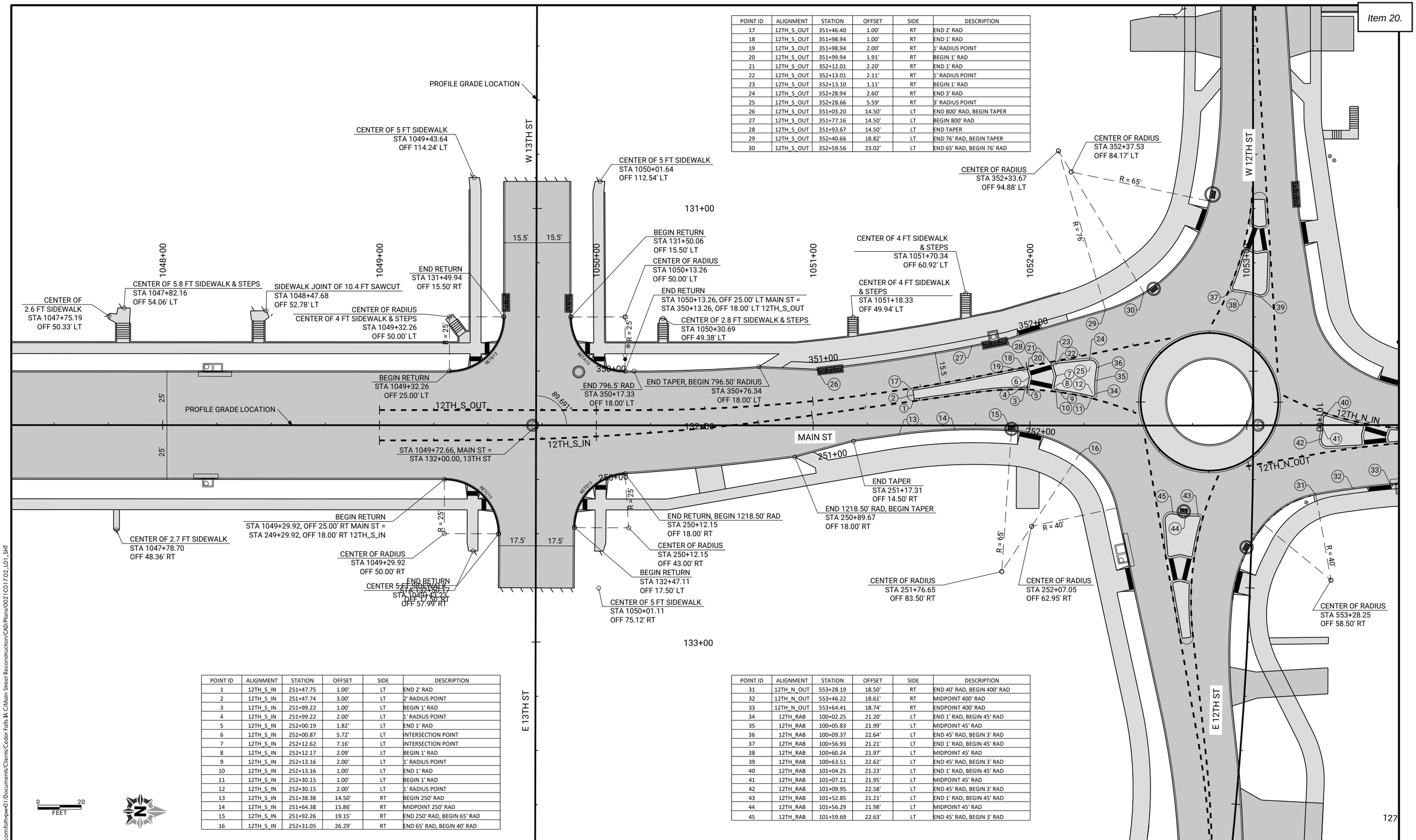

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18	12TH_S_OUT	351+98.94	1.00'	RT	END 1' RAD
19	12TH_S_OUT	351+98.94	2.00'	RT	1' RADIUS POINT
20	12TH_S_OUT	351+99.94	1.91'	RT	BEGIN 1' RAD
21	12TH_S_OUT	352+12.01	2.20'	RT	END 1' RAD
22	12TH_S_OUT	352+13.01	2.11'	RT	1' RADIUS POINT
23	12TH_S_OUT	352+13.10	1.11'	RT	BEGIN 1' RAD
24	12TH_S_OUT	352+28.94	2.60'	RT	END 3' RAD
25	12TH_S_OUT	352+28.66	5.59'	RT	3' RADIUS POINT
26	12TH_S_OUT	351+03.20	14.50'	LT	END 800' RAD, BEGIN TAPER
27	12TH_S_OUT	351+77.16	14.50'	LT	BEGIN 800' RAD
28	12TH_S_OUT	351+93.67	14.50'	LT	END TAPER
29	12TH_S_OUT	352+40.66	18.82'	LT	END 76' RAD, BEGIN TAPER
30	12TH_S_OUT	352+59.56	23.02'	LT	END 65' RAD, BEGIN 76' RAD

POINT ID	ALIGNMENT	STATION	OFFSET	SIDE	DESCRIPTION
1	12TH_S_IN	251+47.75	1.00'	LT	END 2' RAD
2	12TH_S_IN	251+47.74	3.00'	LT	2' RADIUS POINT
3	12TH_S_IN	251+99.22	1.00'	LT	BEGIN 1' RAD
4	12TH_S_IN	251+99.22	2.00'	LT	1' RADIUS POINT
5	12TH_S_IN	252+00.19	1.82'	LT	END 1' RAD
6	12TH_S_IN	252+00.87	5.72'	LT	INTERSECTION POINT
7	12TH_S_IN	252+12.62	7.16'	LT	INTERSECTION POINT
8	12TH_S_IN	252+12.17	2.09'	LT	BEGIN 1' RAD
9	12TH_S_IN	252+13.16	2.00'	LT	1' RADIUS POINT
10	12TH_S_IN	252+13.16	1.00'	LT	END 1' RAD
11	12TH_S_IN	252+30.15	1.00'	LT	BEGIN 1' RAD
12	12TH_S_IN	252+30.15	2.00'	LT	1' RADIUS POINT
13	12TH_S_IN	251+38.38	14.50'	RT	BEGIN 250' RAD
14	12TH_S_IN	251+64.38	15.86'	RT	MIDPOINT 250' RAD
15	12TH_S_IN	251+92.26	19.15'	RT	END 250' RAD, BEGIN 65' RAD
16	12TH_S_IN	252+31.05	26.29'	RT	END 65' RAD, BEGIN 40' RAD

POINT ID	ALIGNMENT	STATION	OFFSET	SIDE	DESCRIPTION
31	12TH_N_OUT	553+28.19	18.50'	RT	END 40' RAD, BEGIN 400' RAD
32	12TH_N_OUT	553+46.22	18.61'	RT	MIDPOINT 400' RAD
33	12TH_N_OUT	553+64.41	18.74'	RT	ENDPOINT 400' RAD
34	12TH_RAB	100+02.25	21.20'	LT	END 1' RAD, BEGIN 45' RAD
35	12TH_RAB	100+05.83	21.99'	LT	MIDPOINT 45' RAD
36	12TH_RAB	100+09.37	22.64'	LT	END 45' RAD, BEGIN 3' RAD
37	12TH_RAB	100+56.93	21.21'	LT	END 1' RAD, BEGIN 45' RAD
38	12TH_RAB	100+60.24	21.97'	LT	MIDPOINT 45' RAD
39	12TH_RAB	100+63.51	22.62'	LT	END 45' RAD, BEGIN 3' RAD
40	12TH_RAB	101+04.25	21.23'	LT	END 1' RAD, BEGIN 45' RAD
41	12TH_RAB	101+07.11	21.95'	LT	MIDPOINT 45' RAD
42	12TH_RAB	101+09.95	22.58'	LT	END 45' RAD, BEGIN 3' RAD
43	12TH_RAB	101+52.85	21.21'	LT	END 1' RAD, BEGIN 45' RAD
44	12TH_RAB	101+56.29	21.98'	LT	MIDPOINT 45' RAD
45	12TH_RAB	101+59.69	22.63'	LT	END 45' RAD, BEGIN 3' RAD

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: C. CARPER CHECKED BY: C. CARPER DRAWN BY: T. LECLAIR
LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 4:39:25 PM
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
GEOMETRIC DETAIL SHEETS

SHEET NO.
L.32

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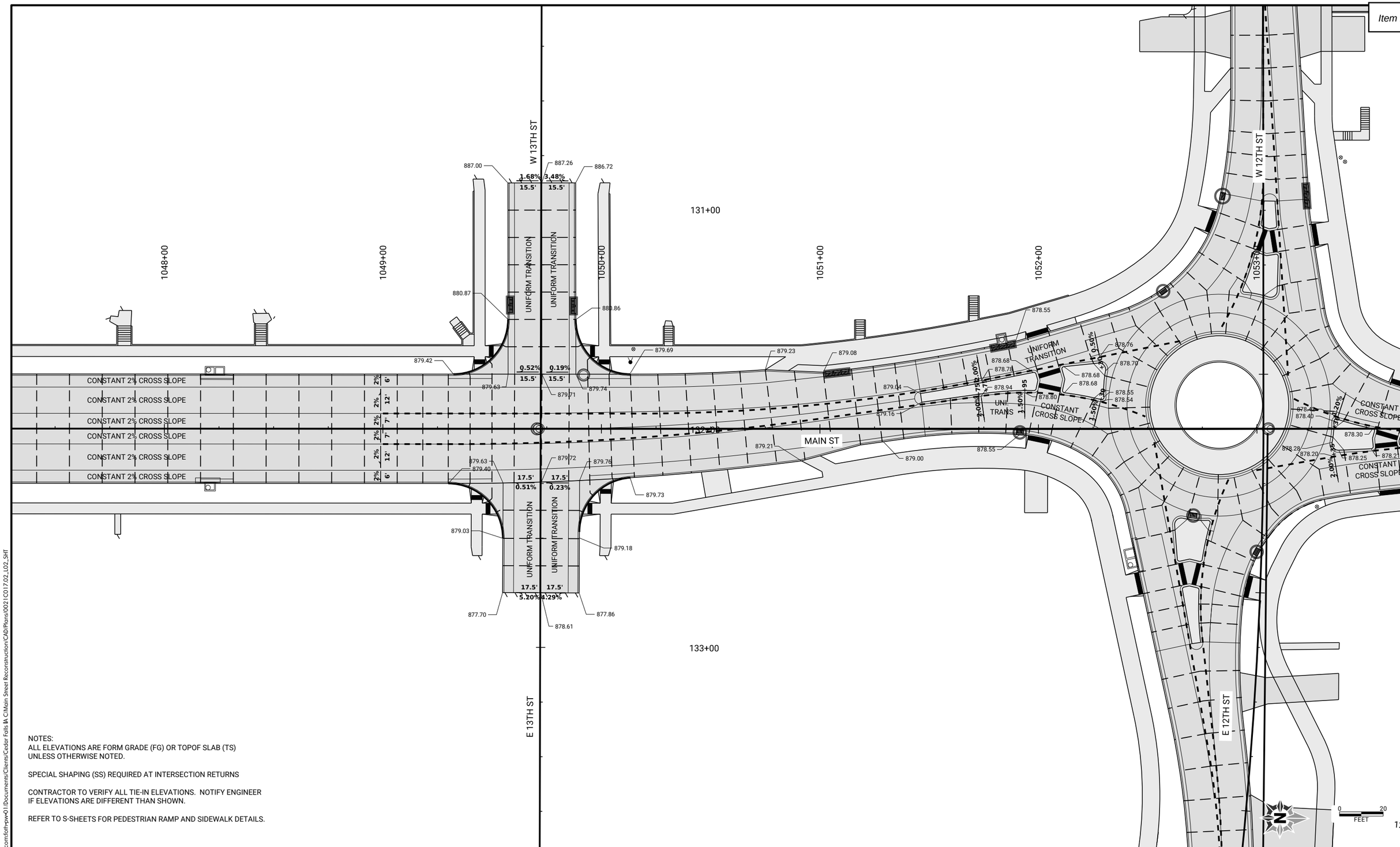

NOTES:
ALL ELEVATIONS ARE FORM GRADE (FG) OR TOPOF SLAB (TS) UNLESS OTHERWISE NOTED.

SPECIAL SHAPING (SS) REQUIRED AT INTERSECTION RETURNS

CONTRACTOR TO VERIFY ALL TIE-IN ELEVATIONS. NOTIFY ENGINEER IF ELEVATIONS ARE DIFFERENT THAN SHOWN.

REFER TO S-SHEETS FOR PEDESTRIAN RAMP AND SIDEWALK DETAILS.

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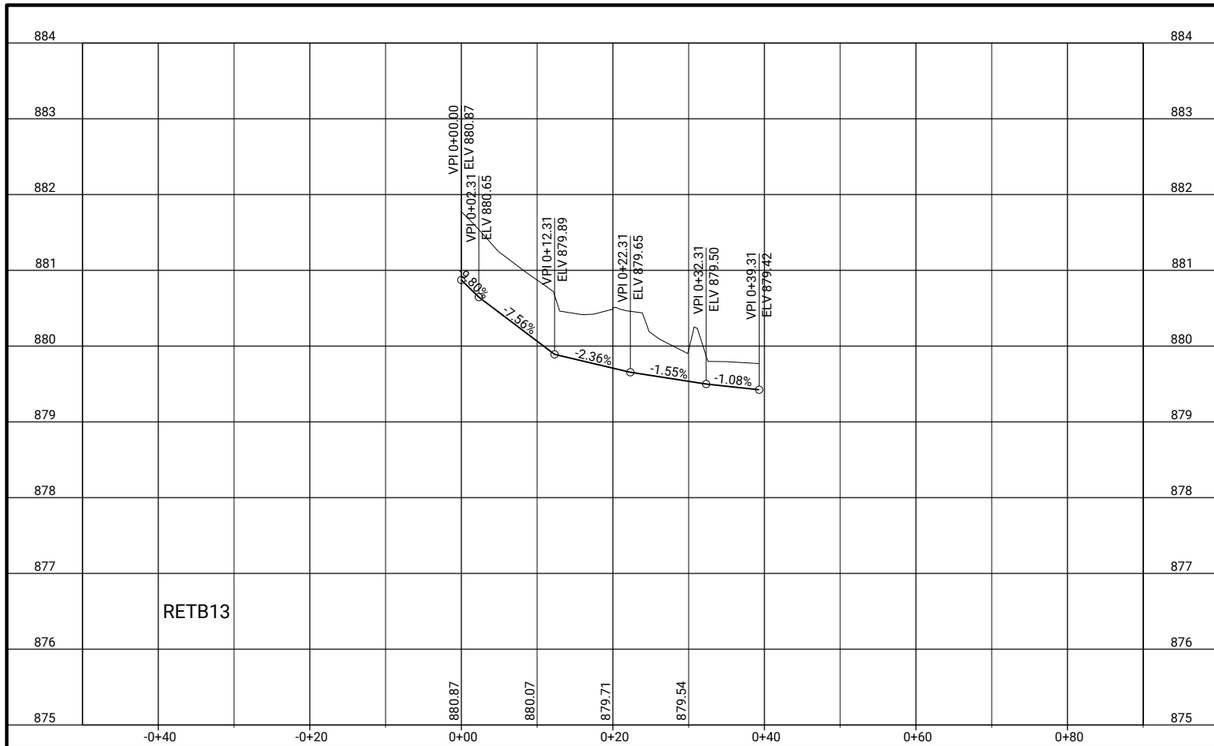
NO	DATE	BY	REVISION DESCRIPTION

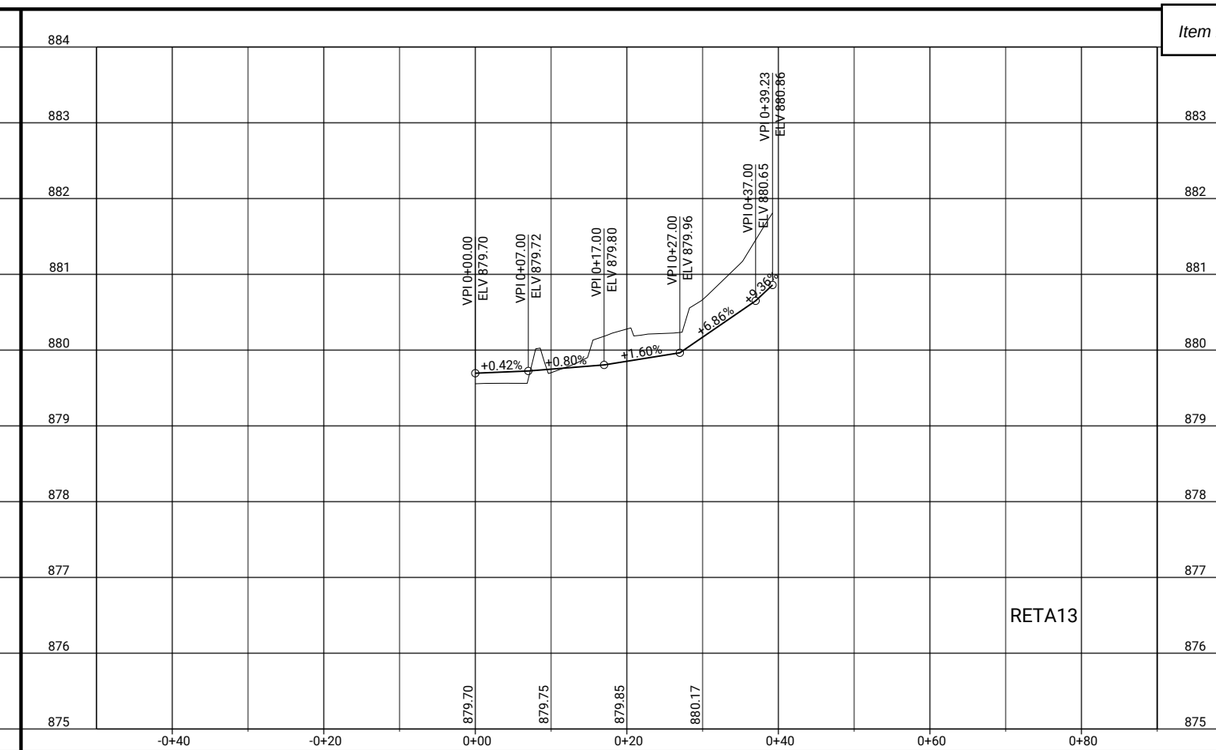
Foth

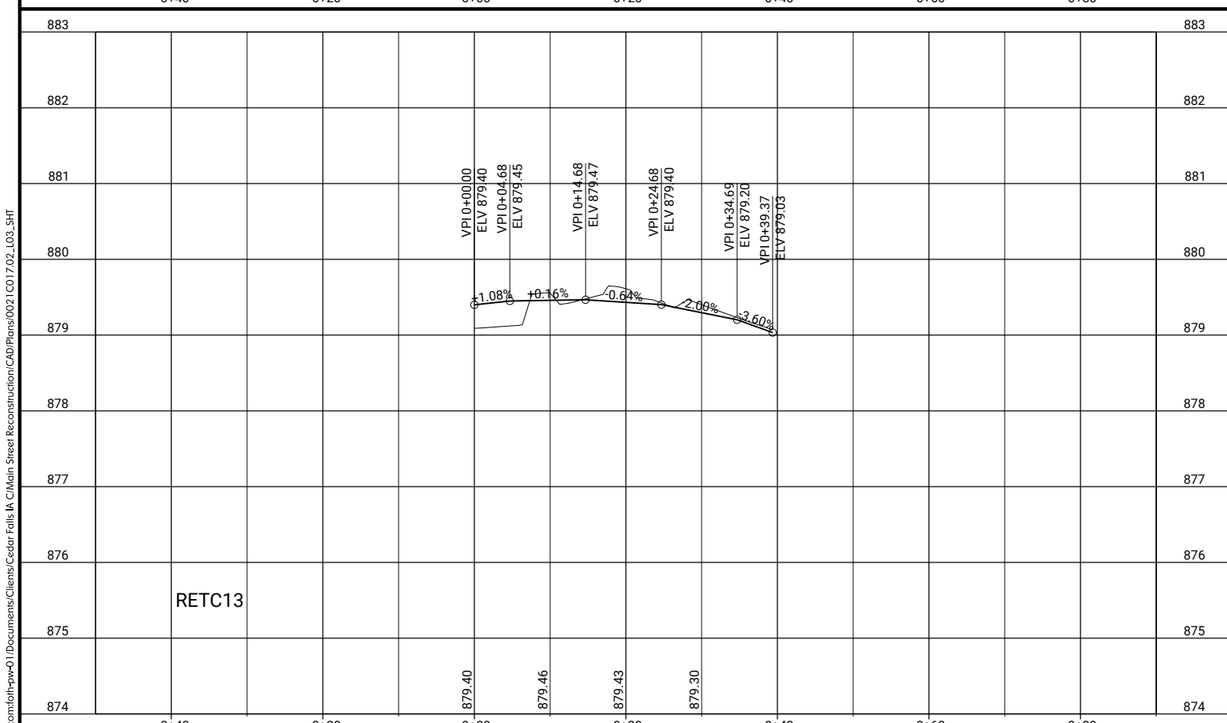
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

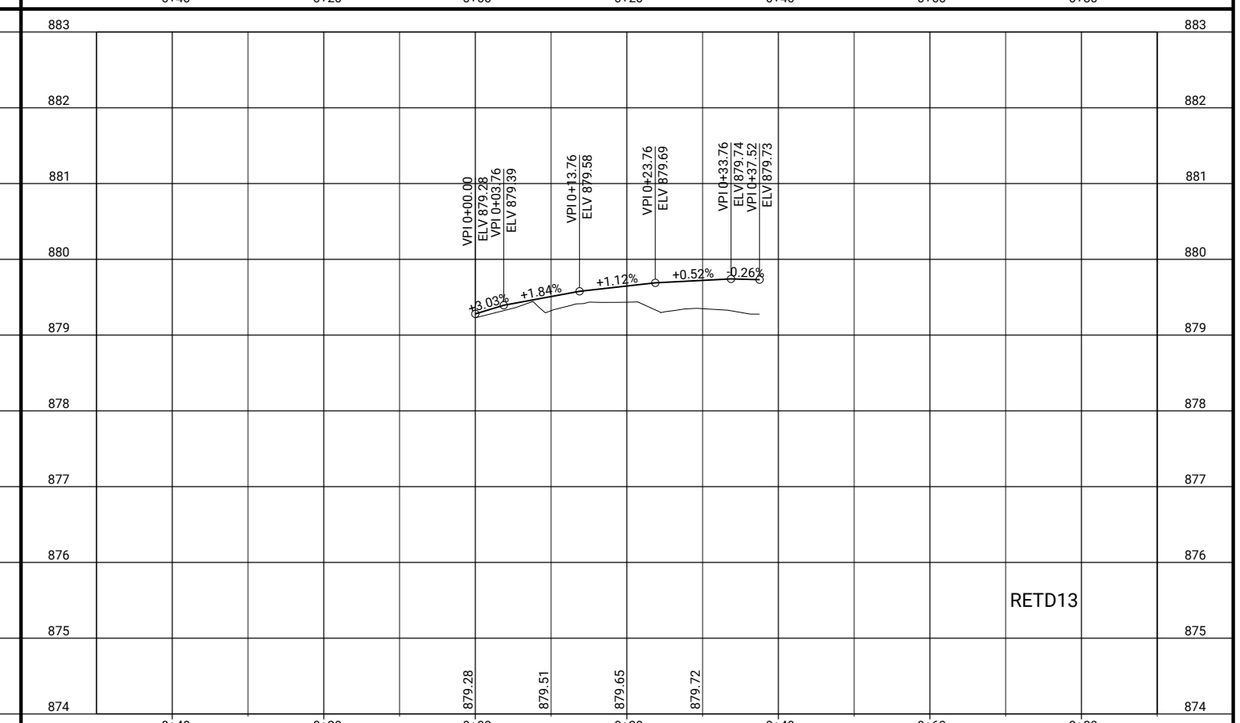
MAIN STREET
STAKING DETAIL SHEETS

SHEET NO.
L.33









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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

13TH STREET
EDGE RETURN PROFILES

SHEET NO.
L.34
STBG-SWAP-1185(657)

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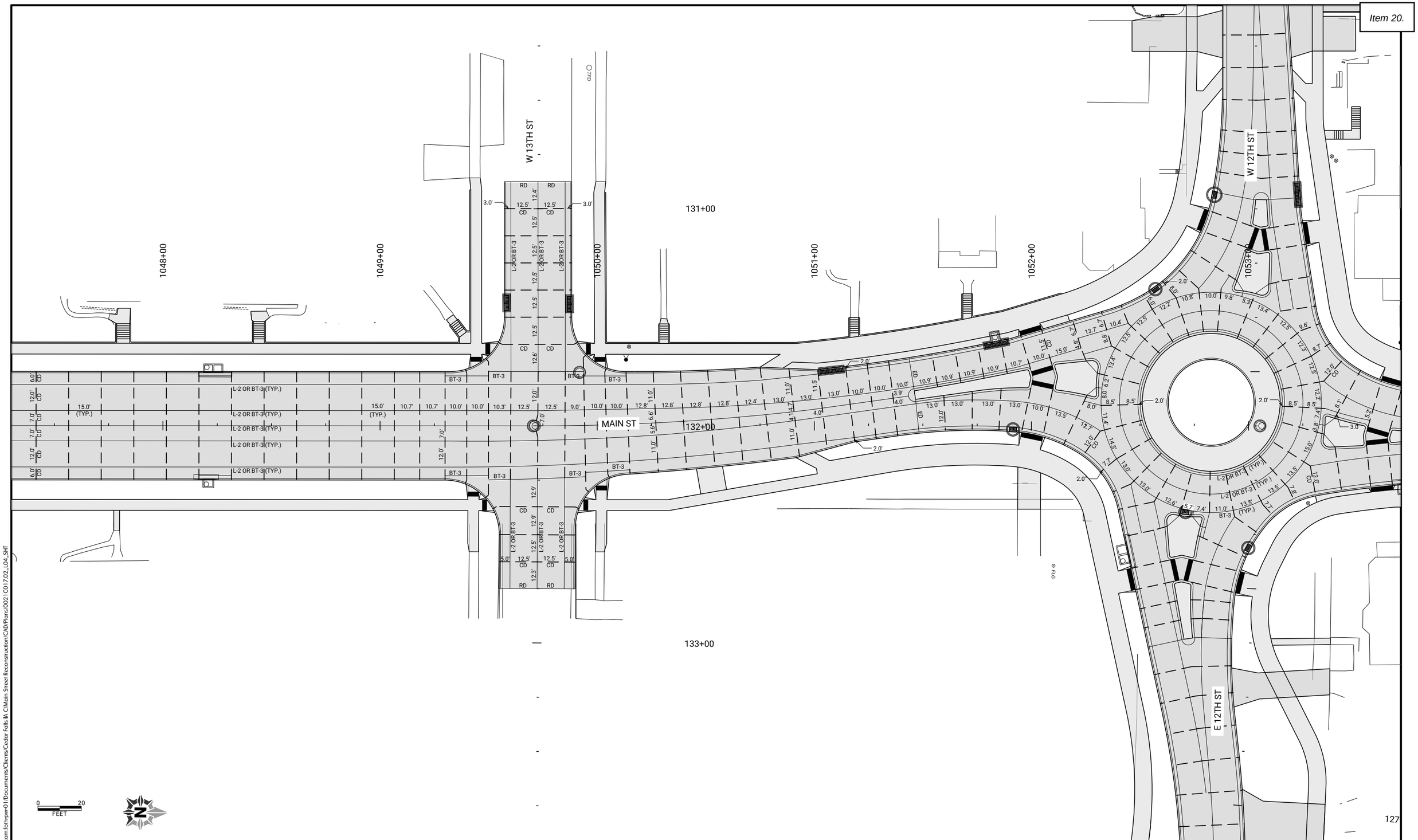


CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: C. CARPER	CHECKED BY: C. CARPER	DRAWN BY: T. LECLAIR	
LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022	4:51:34 PM	
CAD FILE: c:\pw_workdir\pw_ie\fvd_amm\d0518375\0021C017.02_L04_SHT.dgn			

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

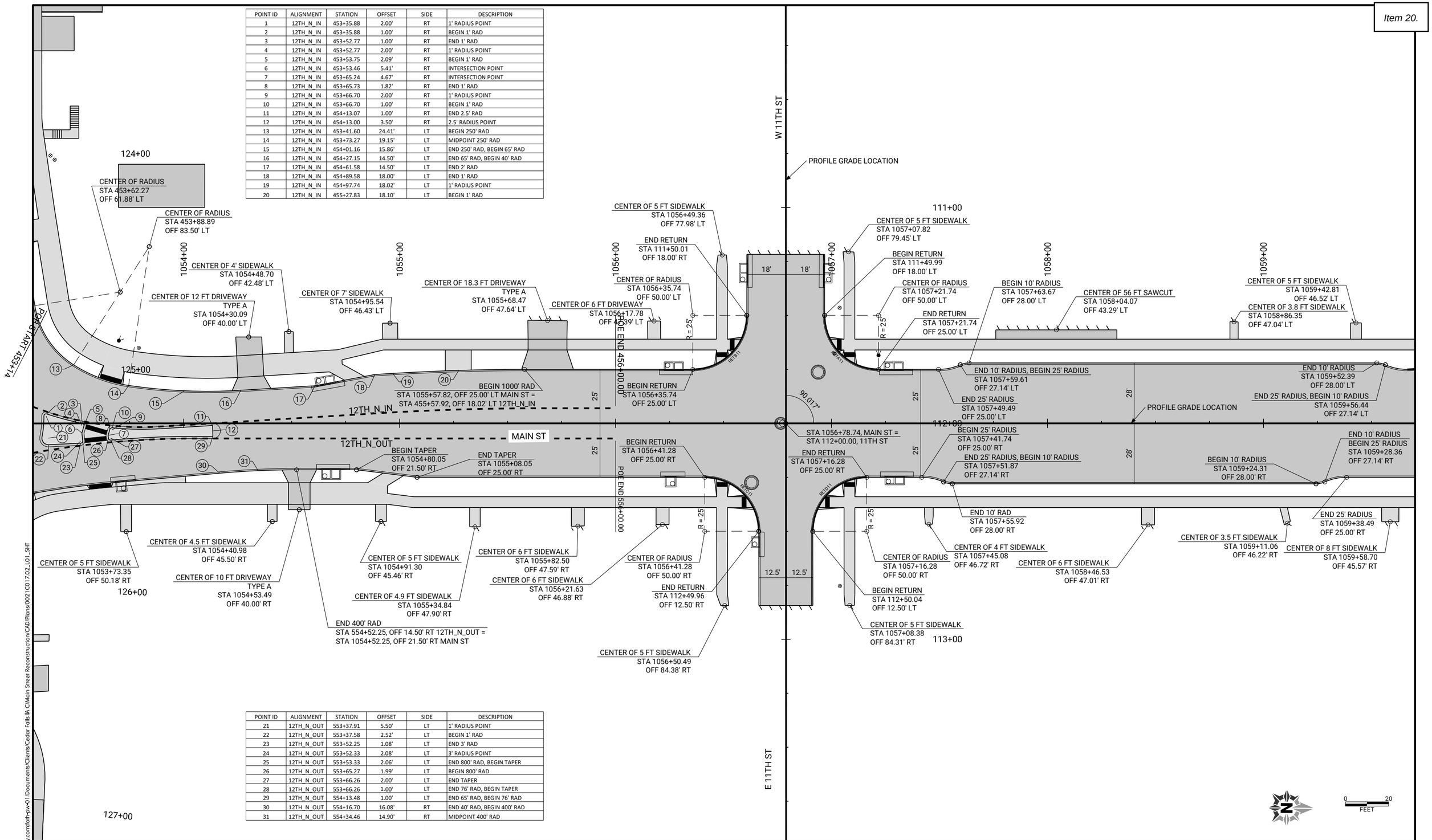
MAIN STREET
JOINTING SHEETS

SHEET NO.
L.35

STBG-SWAP-1185(657)

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Falls IA C/Main Street Reconstruction/CAD/Plans/0021C017.02_L04_SHT

POINT ID	ALIGNMENT	STATION	OFFSET	SIDE	DESCRIPTION
1	12TH_N_IN	453+35.88	2.00'	RT	1' RADIUS POINT
2	12TH_N_IN	453+35.88	1.00'	RT	BEGIN 1' RAD
3	12TH_N_IN	453+52.77	1.00'	RT	END 1' RAD
4	12TH_N_IN	453+52.77	2.00'	RT	1' RADIUS POINT
5	12TH_N_IN	453+53.75	2.09'	RT	BEGIN 1' RAD
6	12TH_N_IN	453+53.46	5.41'	RT	INTERSECTION POINT
7	12TH_N_IN	453+65.24	4.67'	RT	INTERSECTION POINT
8	12TH_N_IN	453+65.73	1.82'	RT	END 1' RAD
9	12TH_N_IN	453+66.70	2.00'	RT	1' RADIUS POINT
10	12TH_N_IN	453+66.70	1.00'	RT	BEGIN 1' RAD
11	12TH_N_IN	454+13.07	1.00'	RT	END 2.5' RAD
12	12TH_N_IN	454+13.00	3.50'	RT	2.5' RADIUS POINT
13	12TH_N_IN	453+41.60	24.41'	LT	BEGIN 250' RAD
14	12TH_N_IN	453+73.27	19.15'	LT	MIDPOINT 250' RAD
15	12TH_N_IN	454+01.16	15.86'	LT	END 250' RAD, BEGIN 65' RAD
16	12TH_N_IN	454+27.15	14.50'	LT	END 65' RAD, BEGIN 40' RAD
17	12TH_N_IN	454+61.58	14.50'	LT	END 2' RAD
18	12TH_N_IN	454+89.58	18.00'	LT	END 1' RAD
19	12TH_N_IN	454+97.74	18.02'	LT	1' RADIUS POINT
20	12TH_N_IN	455+27.83	18.10'	LT	BEGIN 1' RAD



POINT ID	ALIGNMENT	STATION	OFFSET	SIDE	DESCRIPTION
21	12TH_N_OUT	553+37.91	5.50'	LT	1' RADIUS POINT
22	12TH_N_OUT	553+37.58	2.52'	LT	BEGIN 1' RAD
23	12TH_N_OUT	553+52.25	1.08'	LT	END 3' RAD
24	12TH_N_OUT	553+52.33	2.08'	LT	3' RADIUS POINT
25	12TH_N_OUT	553+53.33	2.06'	LT	END 800' RAD, BEGIN TAPER
26	12TH_N_OUT	553+65.27	1.99'	LT	BEGIN 800' RAD
27	12TH_N_OUT	553+66.26	2.00'	LT	END TAPER
28	12TH_N_OUT	553+66.26	1.00'	LT	END 76' RAD, BEGIN TAPER
29	12TH_N_OUT	554+13.48	1.00'	LT	END 65' RAD, BEGIN 76' RAD
30	12TH_N_OUT	554+16.70	16.08'	RT	END 40' RAD, BEGIN 400' RAD
31	12TH_N_OUT	554+34.46	14.90'	RT	MIDPOINT 400' RAD

pw://foth-pw.bentley.com:foth-pw-01\Documents/Clients/Cedar Falls IA C/Main Street Reconstruction/CAD/Plans/0021C017.02_L01_SHT

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: C. CARPER CHECKED BY: C. CARPER DRAWN BY: T. LECLAIR
LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 4:40:18 PM
CAD FILE: c:\pw_workdir\pw_ie\ttl\d0518375\0021C017.02_L01_SHT.dgn

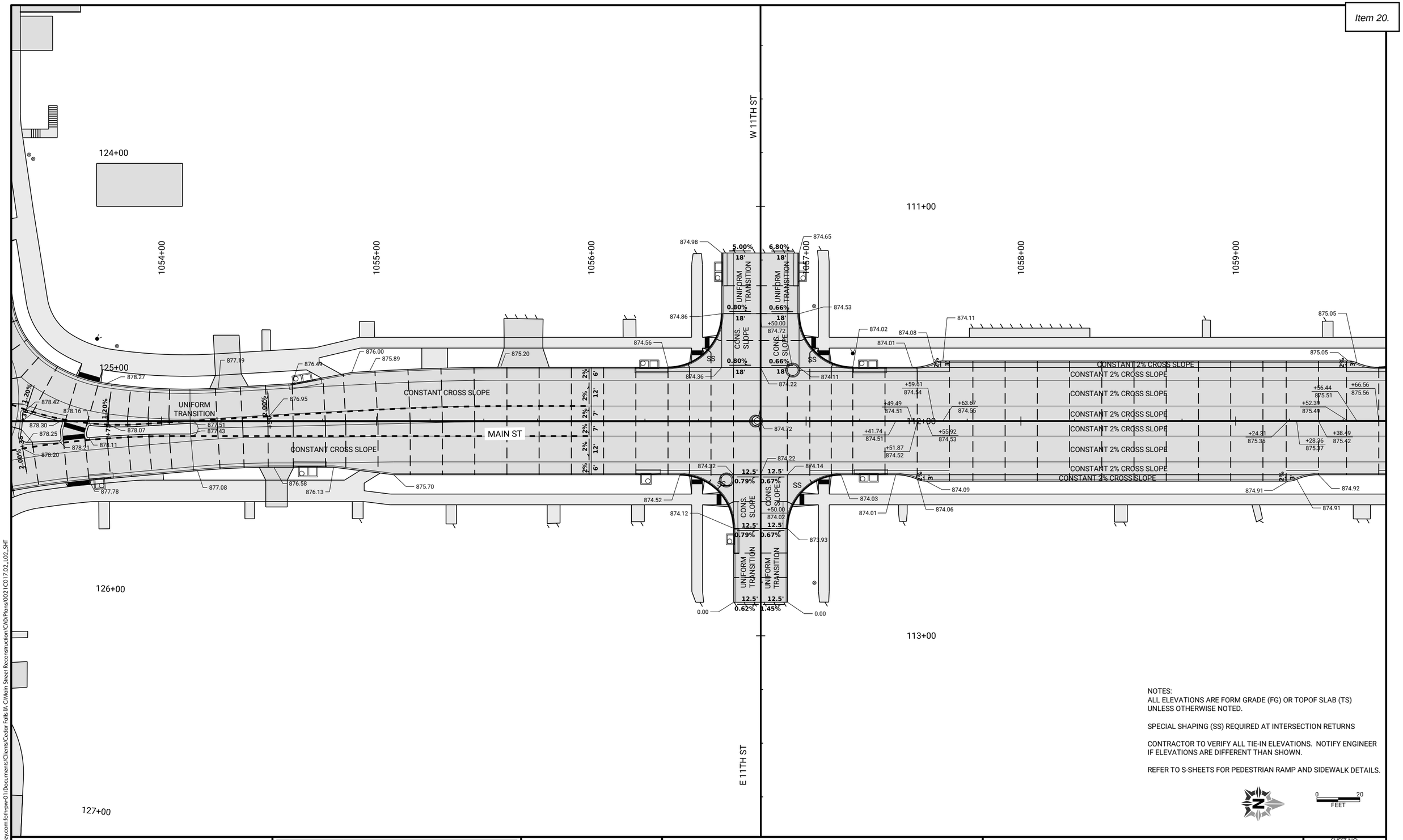
NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
GEOMETRIC DETAIL SHEETS

SHEET NO.
L.36
STBG-SWAP-1185(657



NOTES:
ALL ELEVATIONS ARE FORM GRADE (FG) OR TOPOF SLAB (TS) UNLESS OTHERWISE NOTED.

SPECIAL SHAPING (SS) REQUIRED AT INTERSECTION RETURNS

CONTRACTOR TO VERIFY ALL TIE-IN ELEVATIONS. NOTIFY ENGINEER IF ELEVATIONS ARE DIFFERENT THAN SHOWN.

REFER TO S-SHEETS FOR PEDESTRIAN RAMP AND SIDEWALK DETAILS.

0 20
FEET

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Falls IA C\Main Street Reconstruction\CAD\Plans\0021C017.02_L02_SHT

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: C. CARPER	CHECKED BY: C. CARPER	DRAWN BY: T. LECLAIR	
LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022	5:24:20 PM	
CAD FILE: c:\pw_workdir\pw_ie\ttlid05183751\0021C017.02_L02_SHT.dgn			

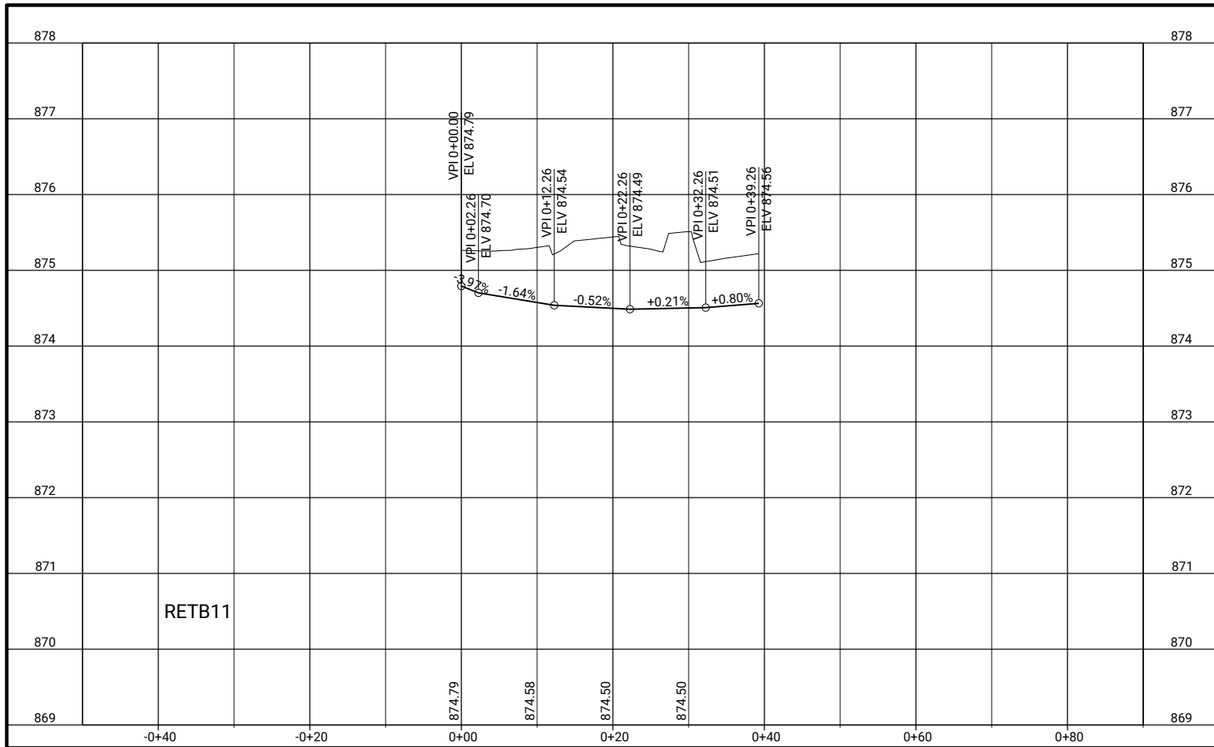
NO	DATE	BY	REVISION DESCRIPTION

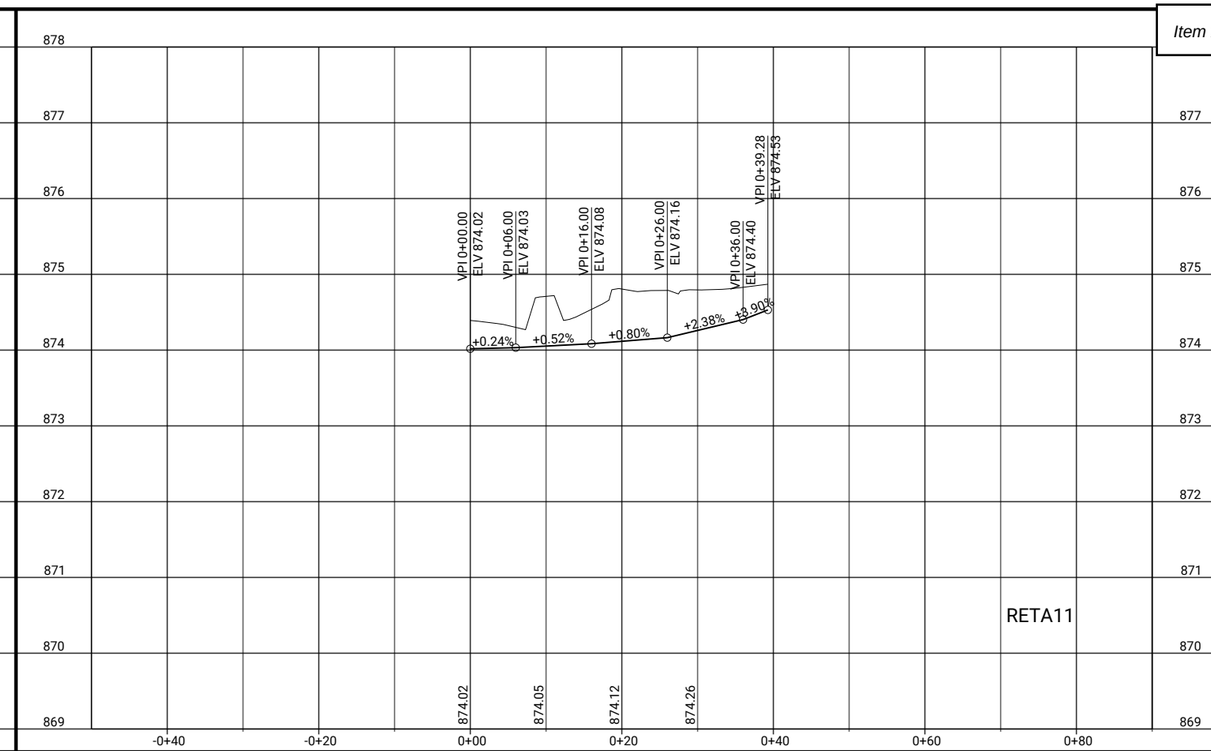
Foth

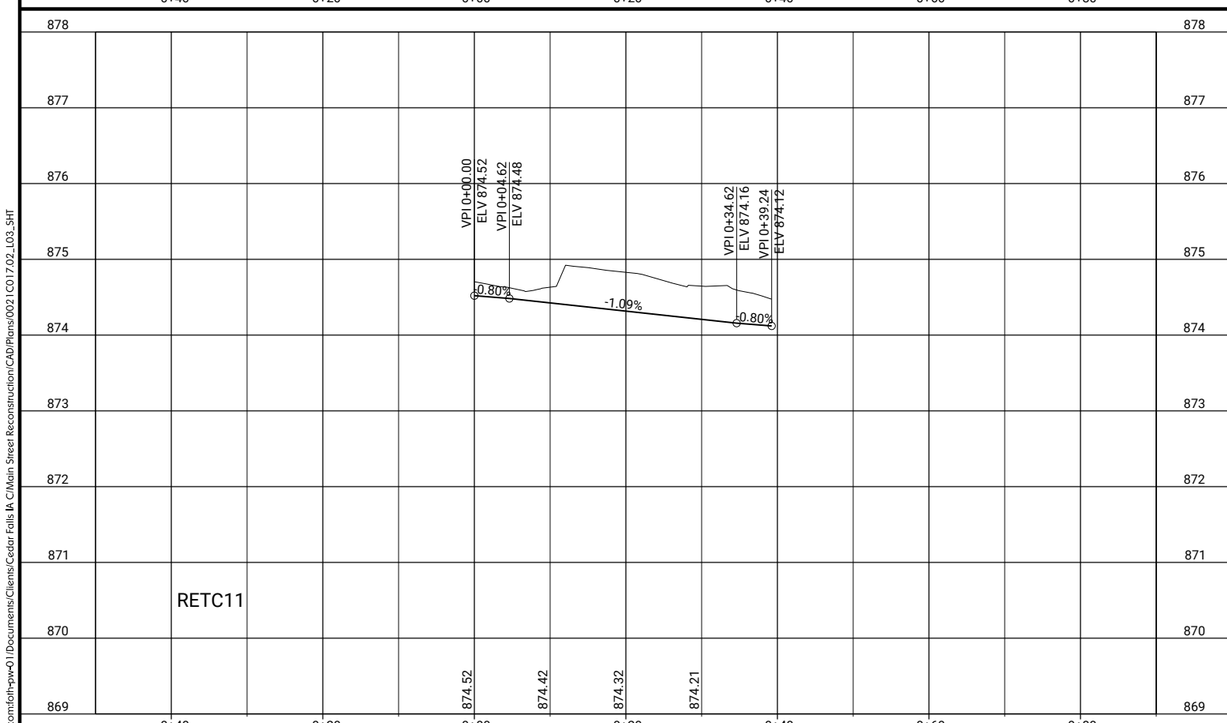
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

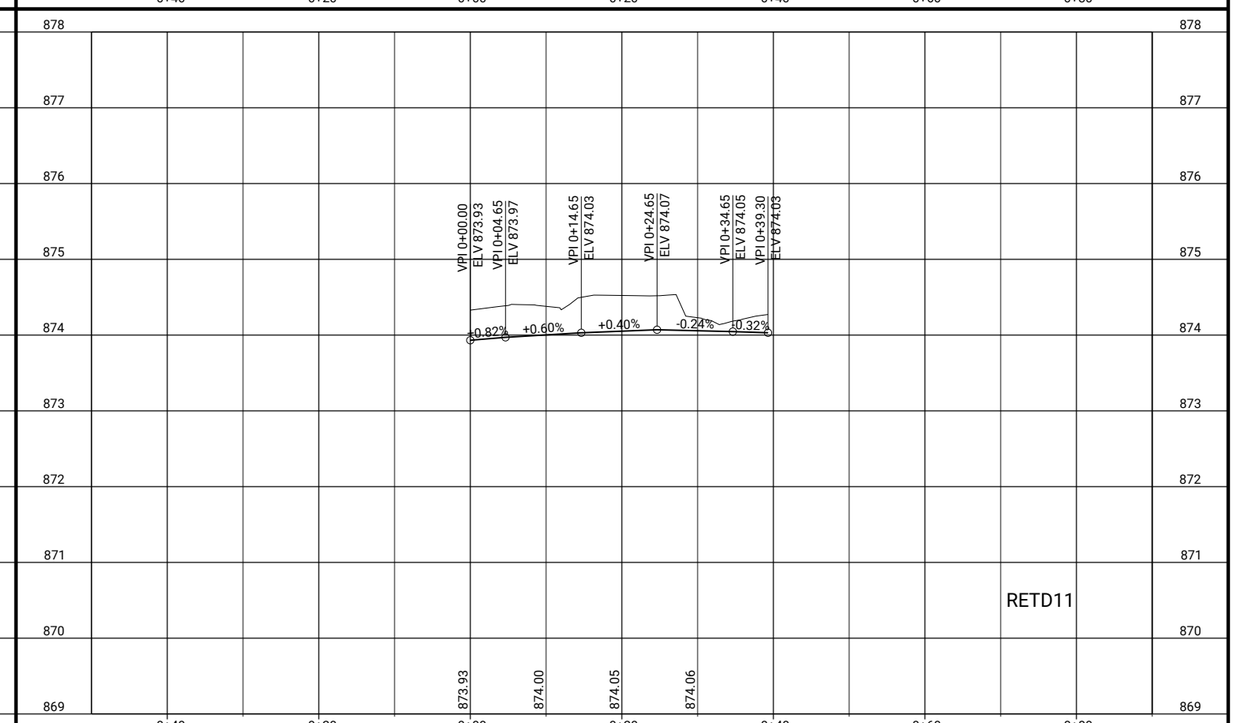
MAIN STREET
STAKING DETAIL SHEETS

SHEET NO.
L.37









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DESIGNED BY: T. LECLAIR CHECKED BY: C. CARPER DRAWN BY: T. LECLAIR
LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 4:56:58 PM
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

11TH STREET
EDGE RETURN PROFILES

SHEET NO.
L.38

STBG-SWAP-1185(657

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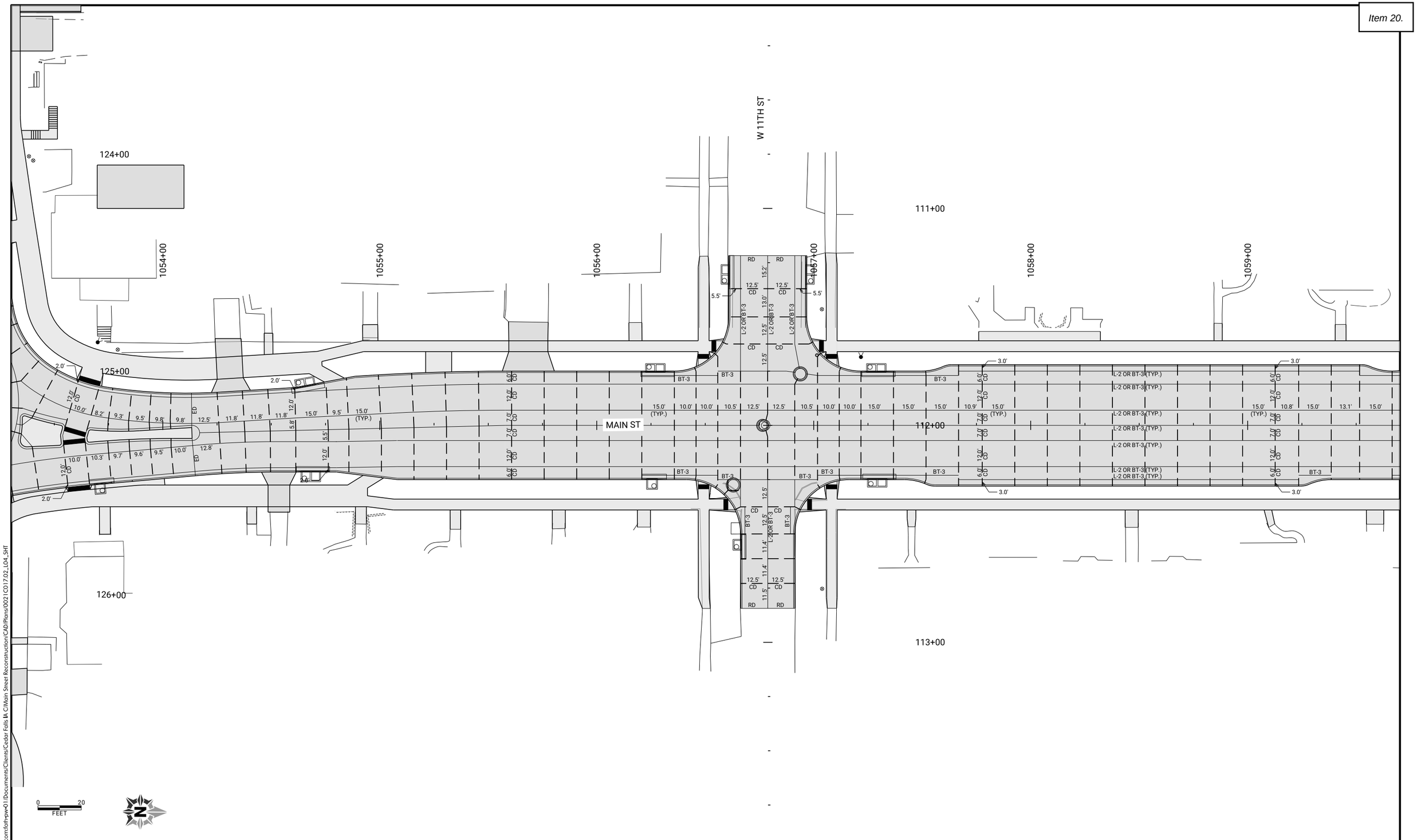

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
JOINTING SHEETS

SHEET NO.
L.39

STBG-SWAP-1185(657)

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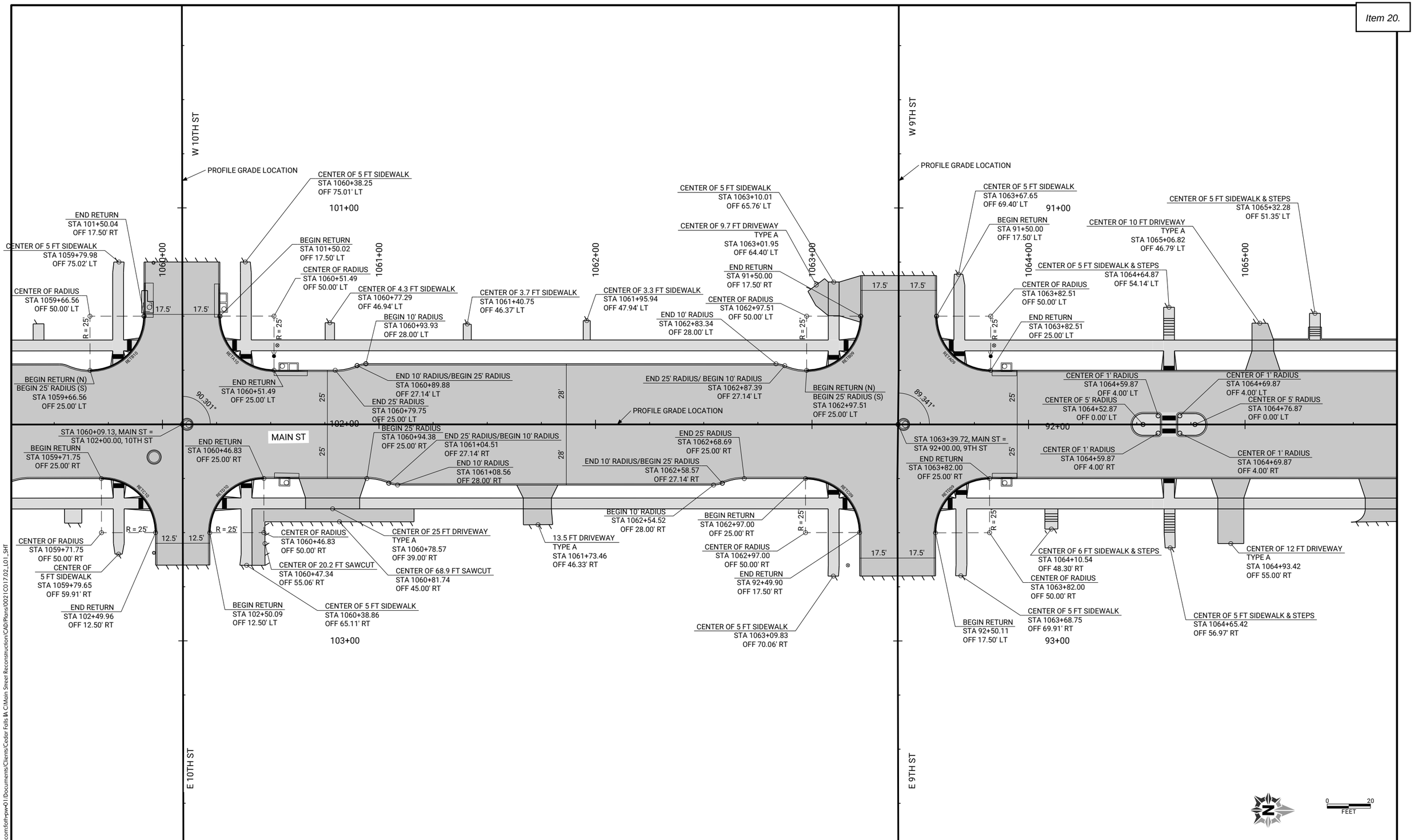

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
GEOMETRIC DETAIL SHEETS

SHEET NO.
L.40

STBG-SWAP-1185(657)

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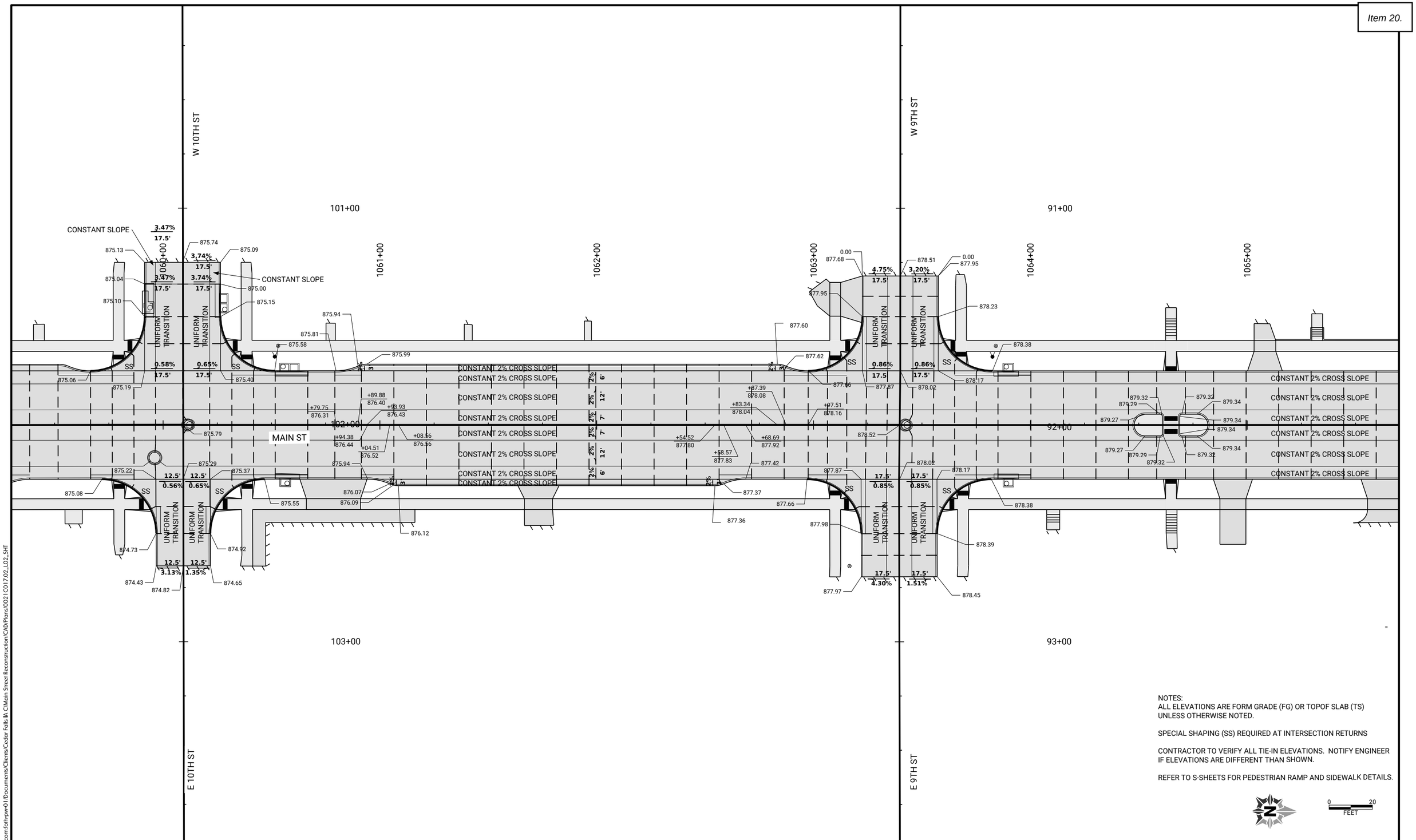

NOTES:
ALL ELEVATIONS ARE FORM GRADE (FG) OR TOPOF SLAB (TS) UNLESS OTHERWISE NOTED.

SPECIAL SHAPING (SS) REQUIRED AT INTERSECTION RETURNS

CONTRACTOR TO VERIFY ALL TIE-IN ELEVATIONS. NOTIFY ENGINEER IF ELEVATIONS ARE DIFFERENT THAN SHOWN.

REFER TO S-SHEETS FOR PEDESTRIAN RAMP AND SIDEWALK DETAILS.

0 20 FEET

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Falls IA C/Main Street Reconstruction/CAD/Plans/0021C017.02_L02_SHT

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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NO	DATE	BY	REVISION DESCRIPTION

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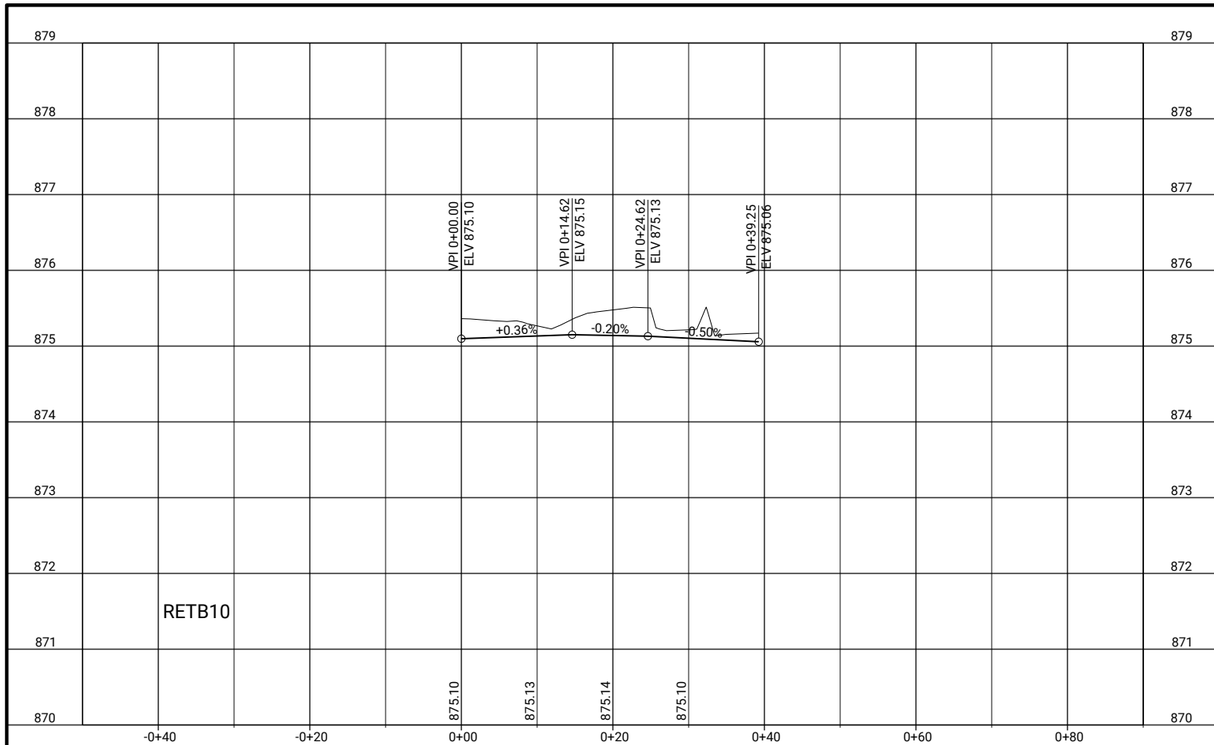
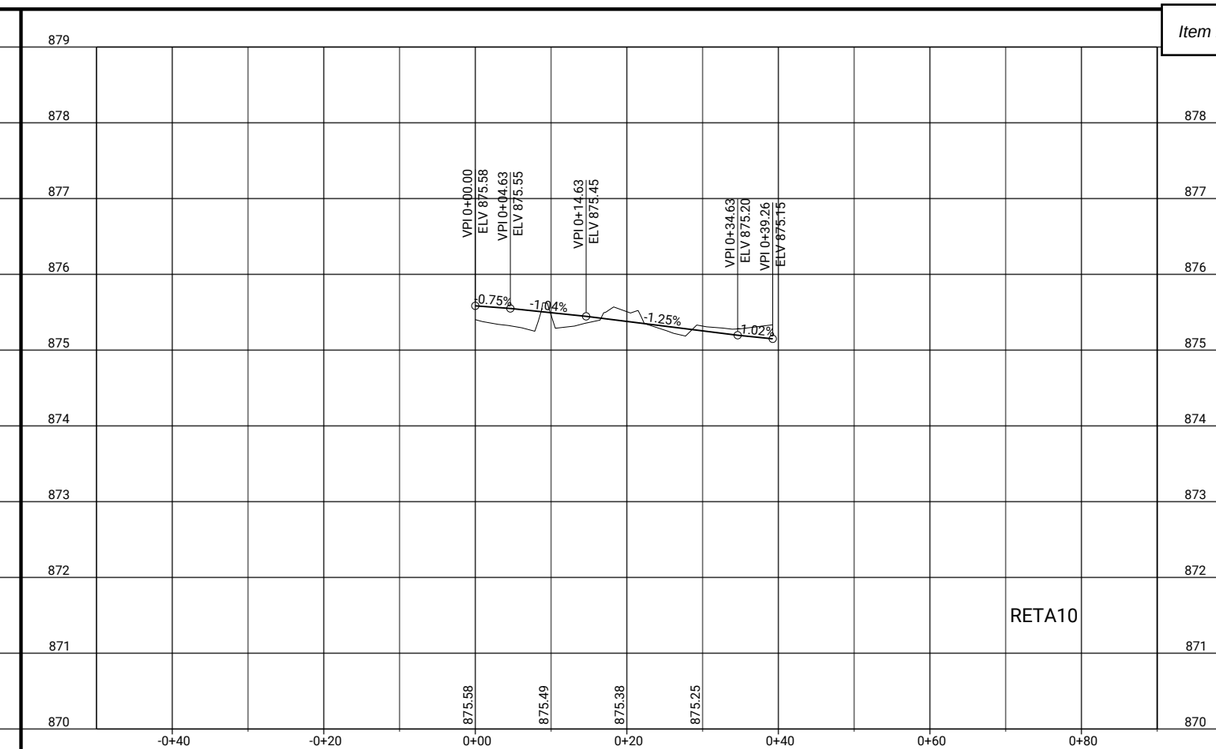
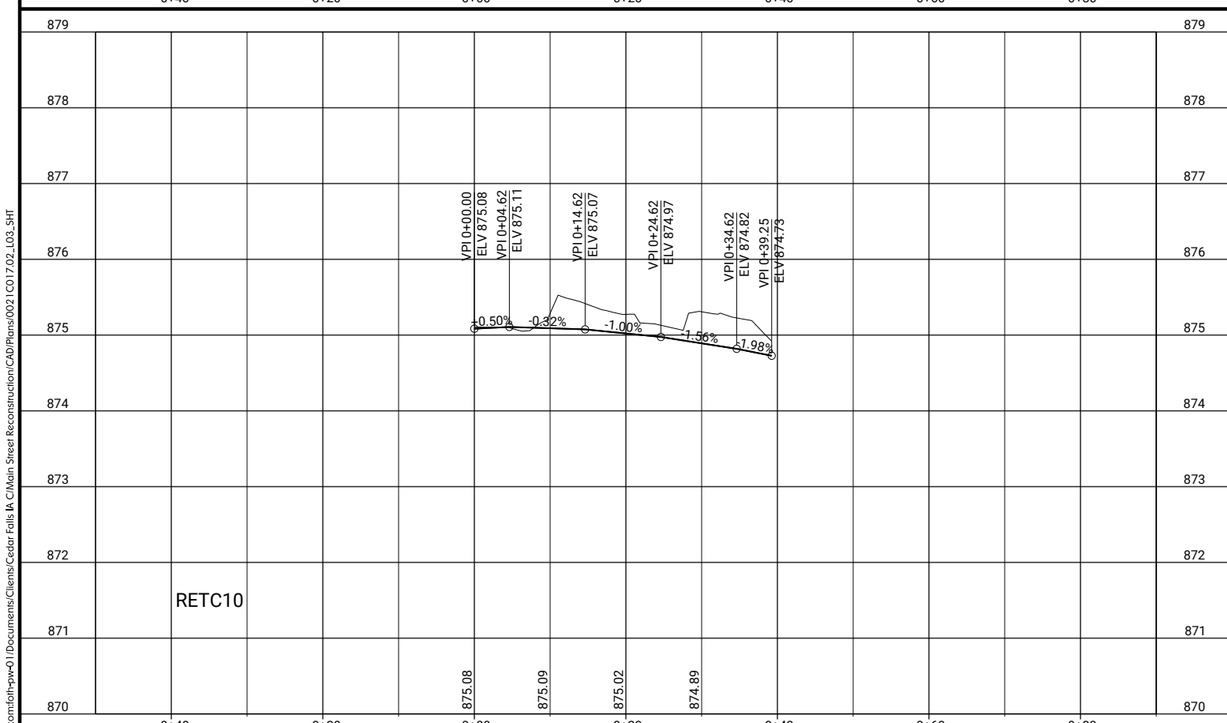
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

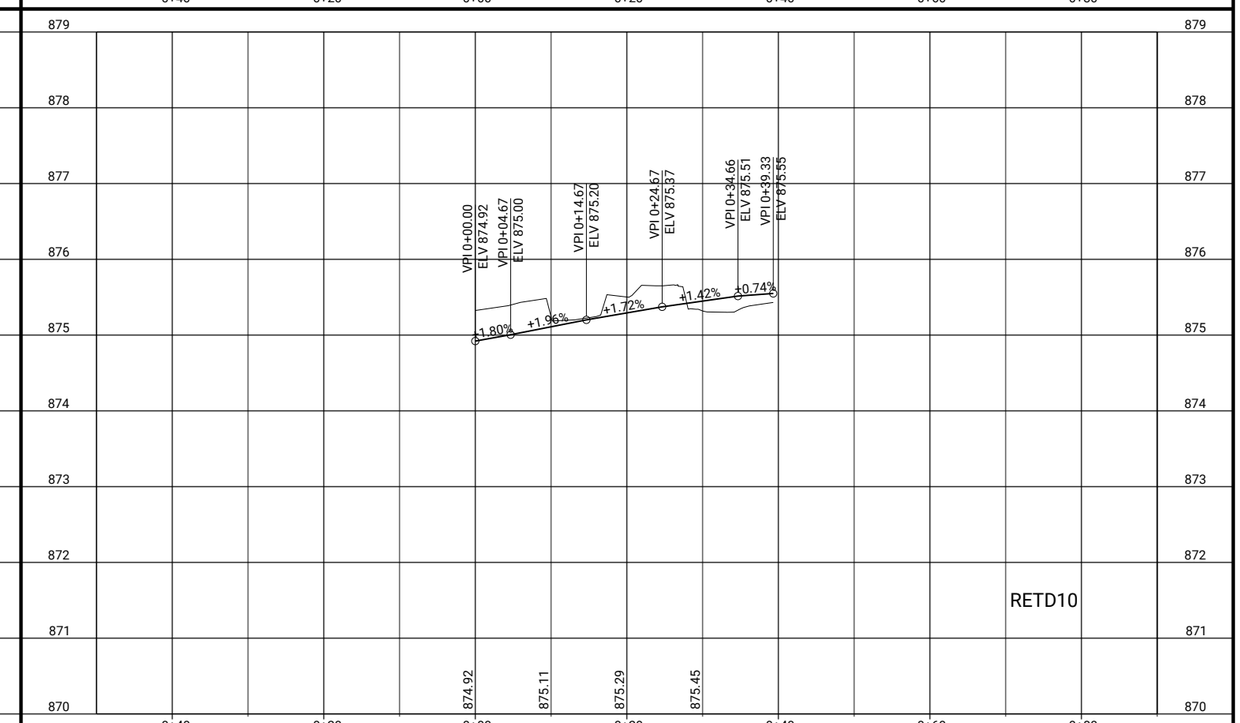
MAIN STREET
STAKING DETAIL SHEETS

SHEET NO.
L.41
STBG-SWAP-1185(657









CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

10TH STREET
EDGE RETURN PROFILES

SHEET NO.
L.42

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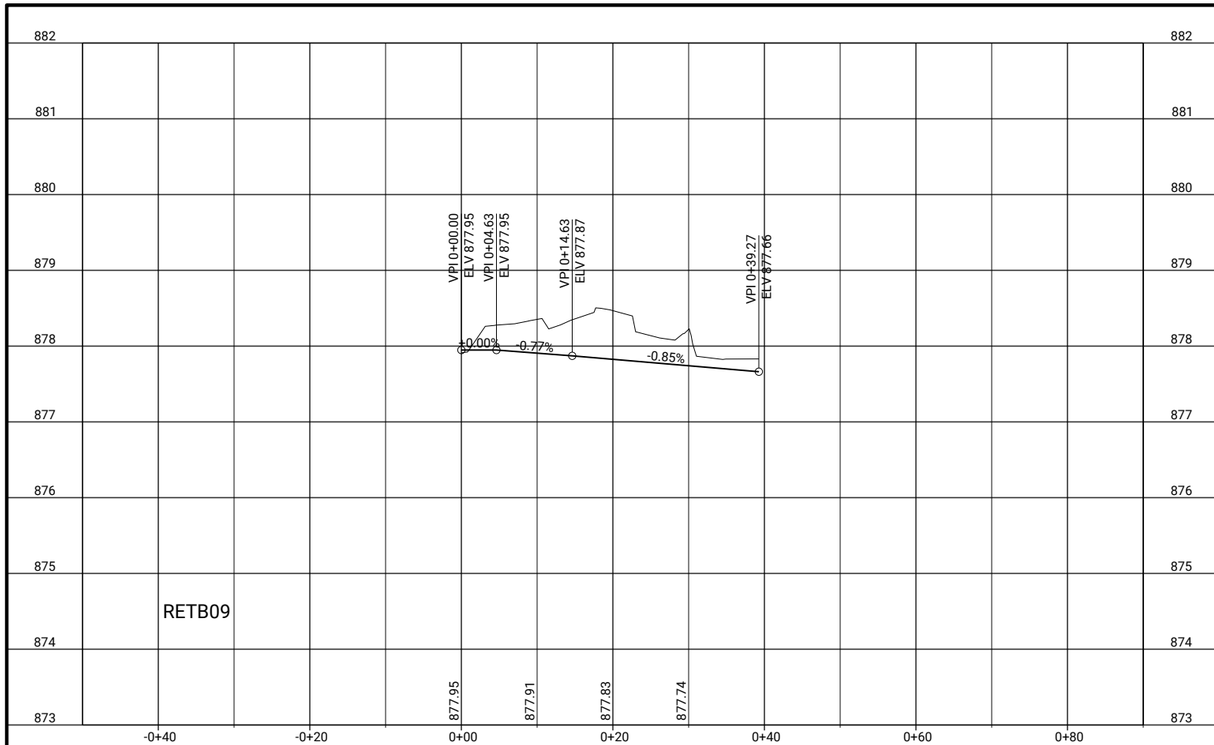

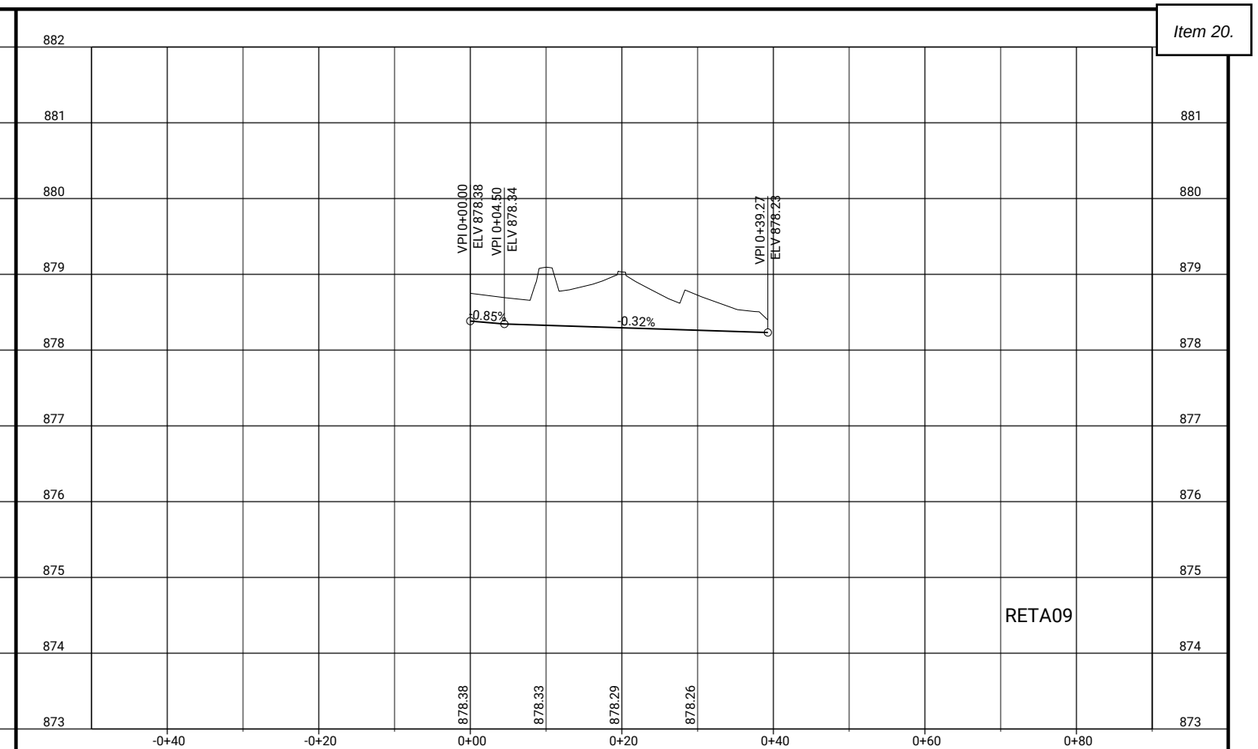

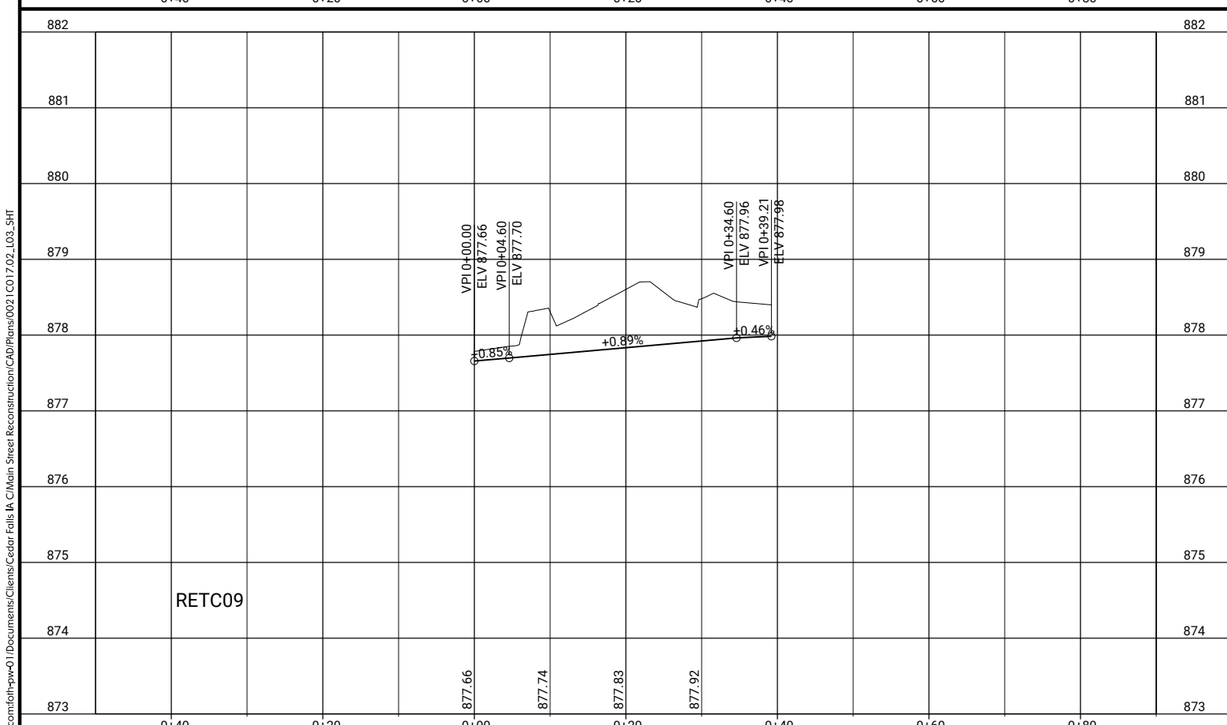

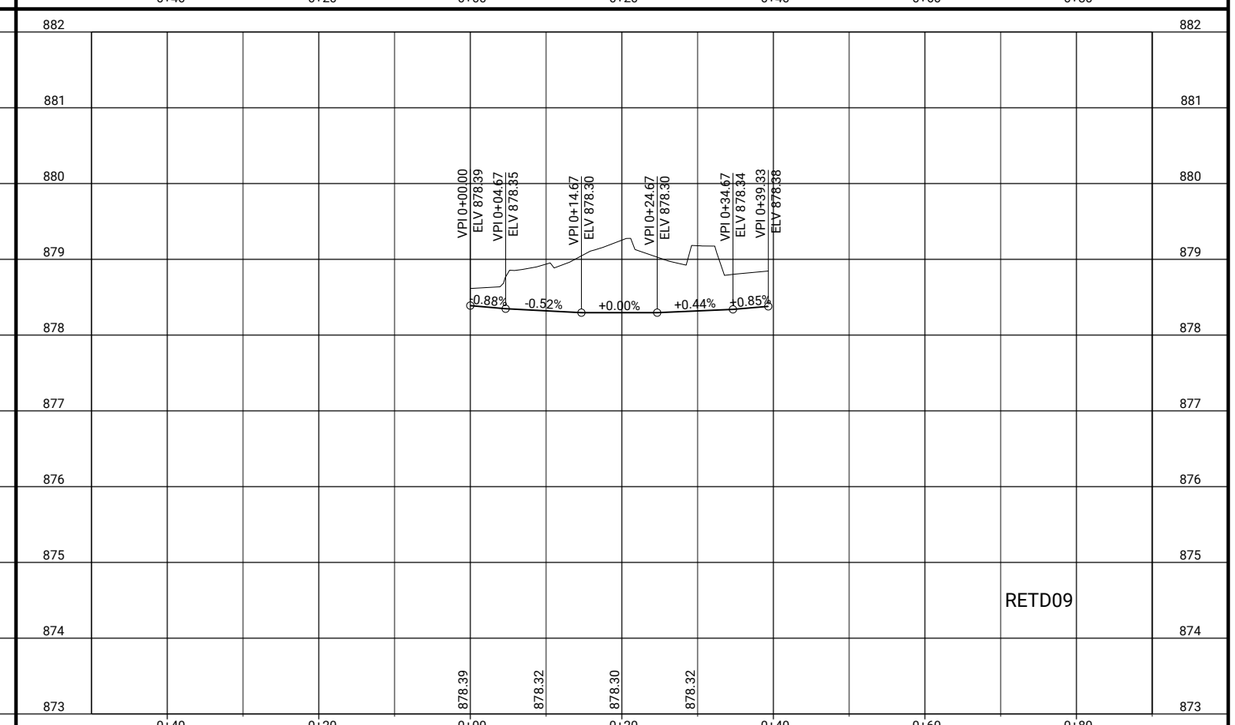

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

9TH STREET
EDGE RETURN PROFILES

SHEET NO.
L.43

STBG-SWAP-1185(657

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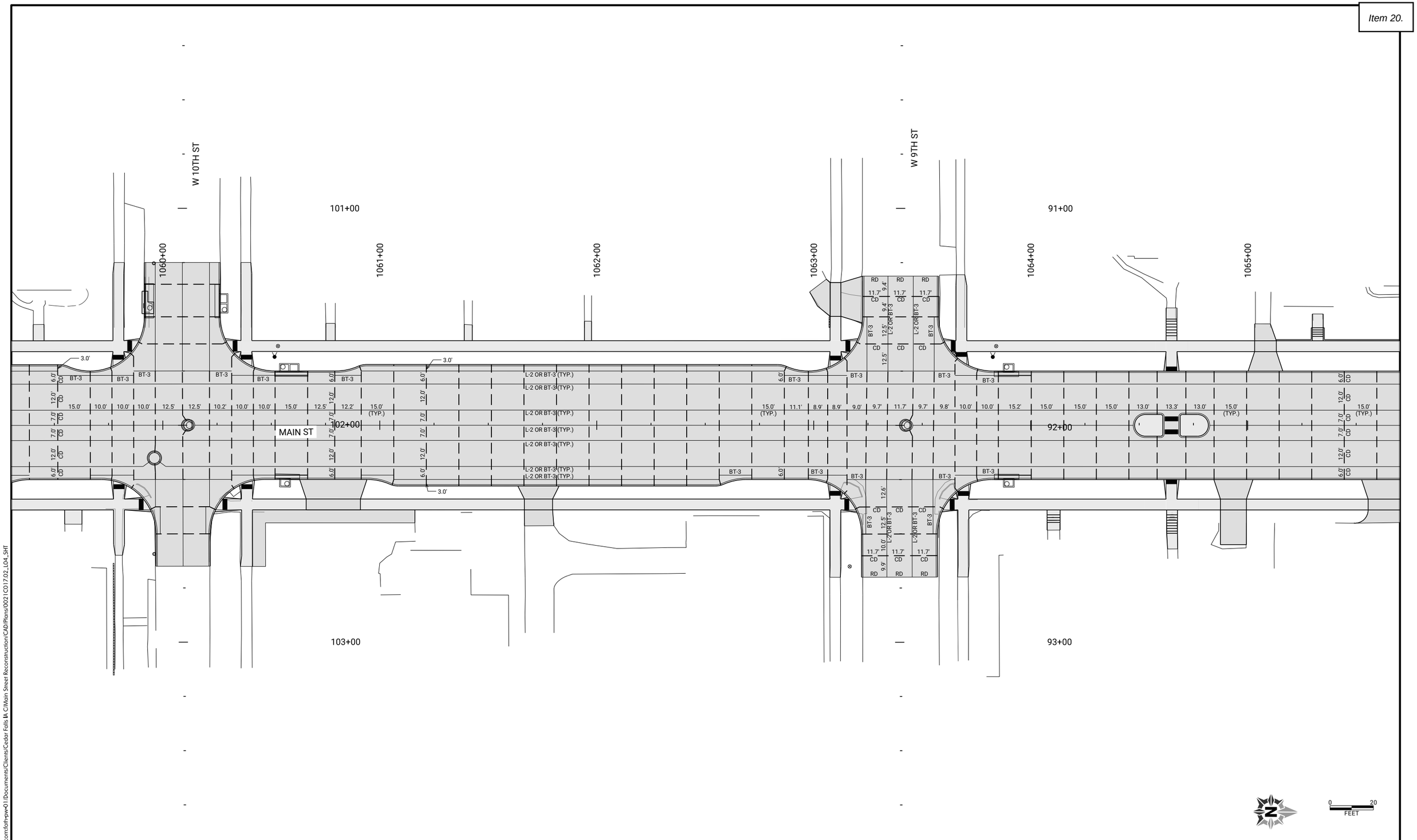

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DESIGNED BY: C. CARPER	CHECKED BY: C. CARPER	DRAWN BY: T. LECLAIR	
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
JOINTING SHEETS

SHEET NO.
L.44

STBG-SWAP-1185(657)

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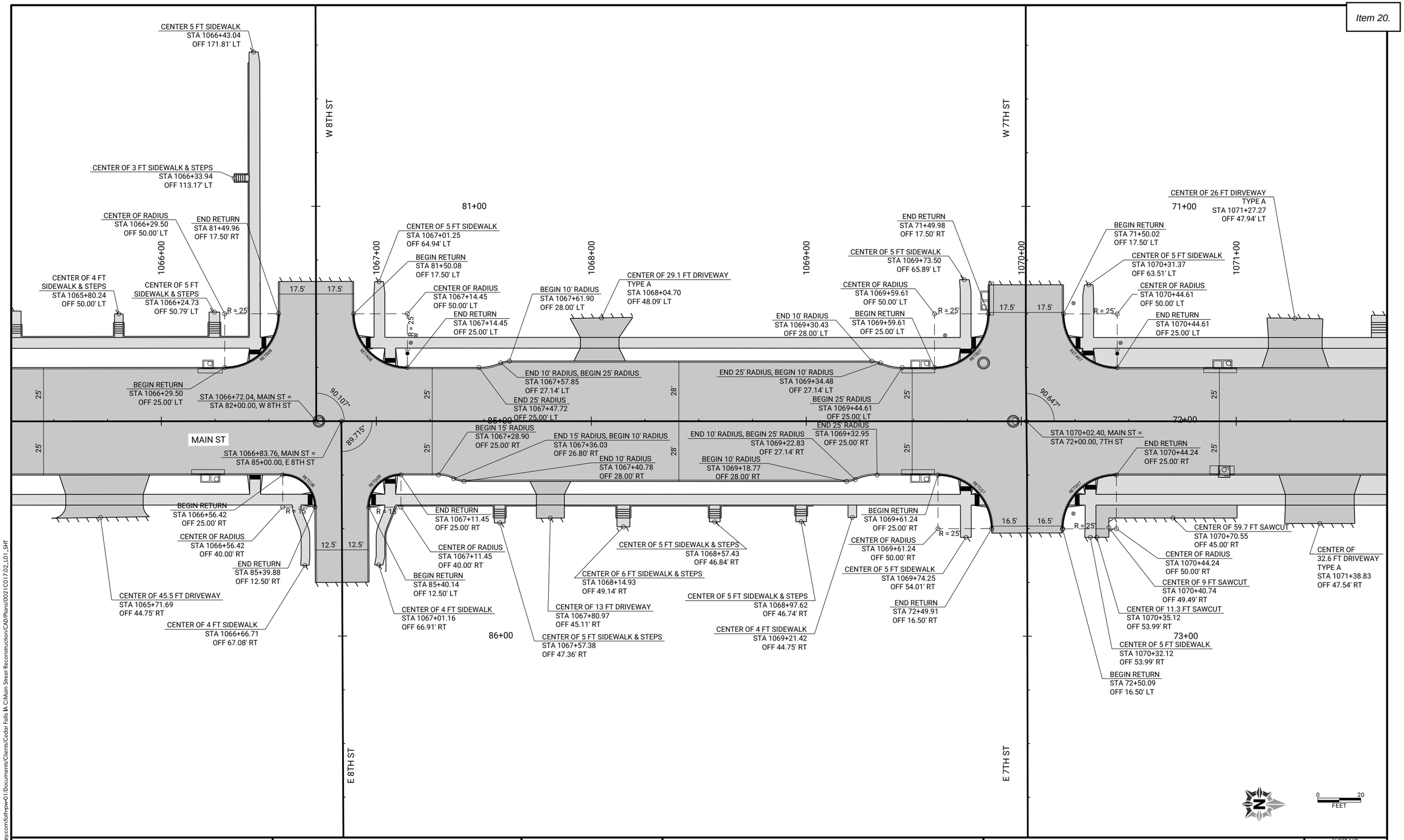

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
GEOMETRIC DETAIL SHEETS

SHEET NO.
L.45

STBG-SWAP-1185(657)

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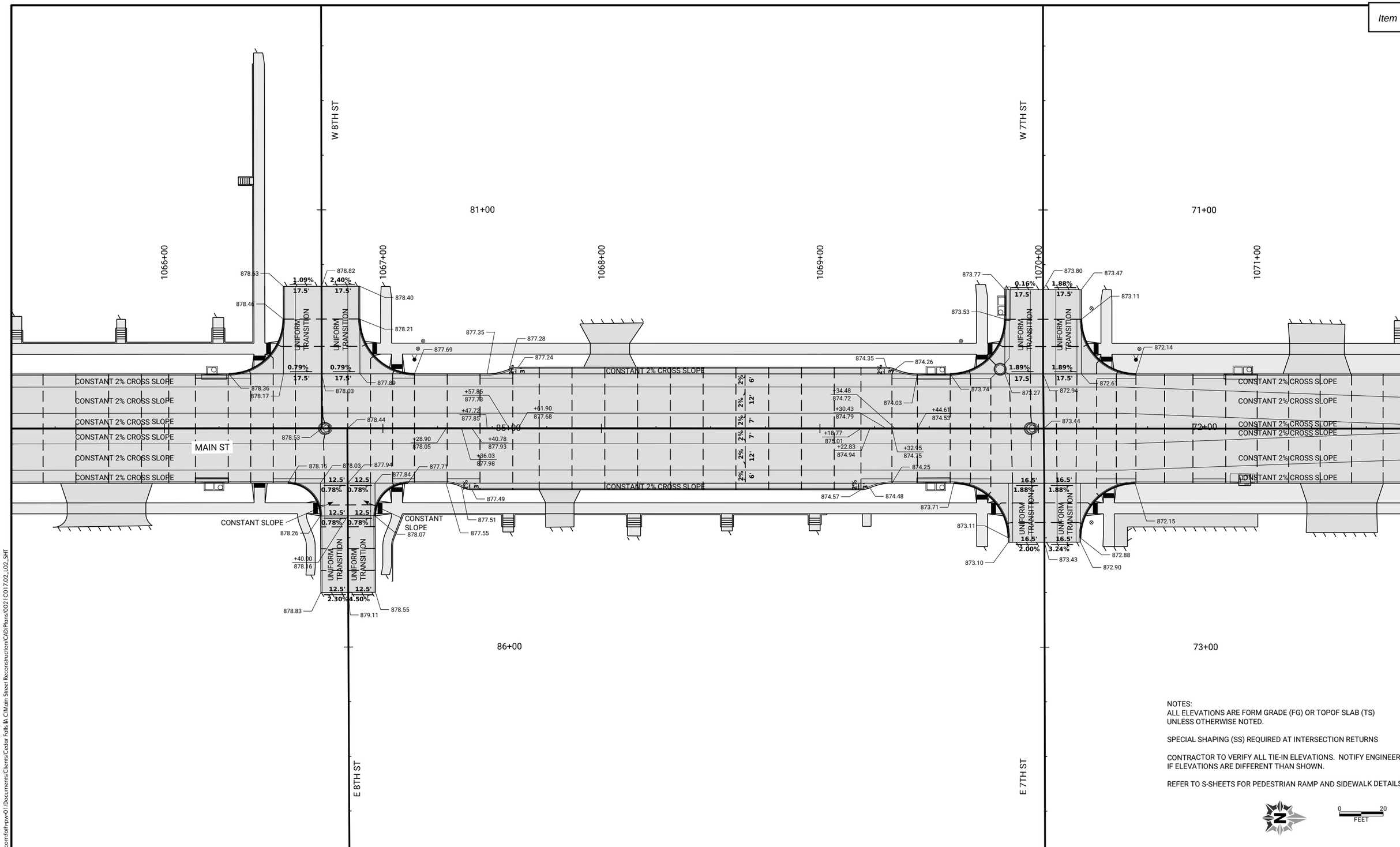

NOTES:
ALL ELEVATIONS ARE FORM GRADE (FG) OR TOPOF SLAB (TS) UNLESS OTHERWISE NOTED.

SPECIAL SHAPING (SS) REQUIRED AT INTERSECTION RETURNS

CONTRACTOR TO VERIFY ALL TIE-IN ELEVATIONS. NOTIFY ENGINEER IF ELEVATIONS ARE DIFFERENT THAN SHOWN.

REFER TO S-SHEETS FOR PEDESTRIAN RAMP AND SIDEWALK DETAILS.

0 20
FEET

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Falls IA C/Main Street Reconstruction/CAD/Plans/0021C017.02_L02_SHT

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: C. CARPER	CHECKED BY: C. CARPER	DRAWN BY: T. LECLAIR	
LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022	5:36:33 PM	
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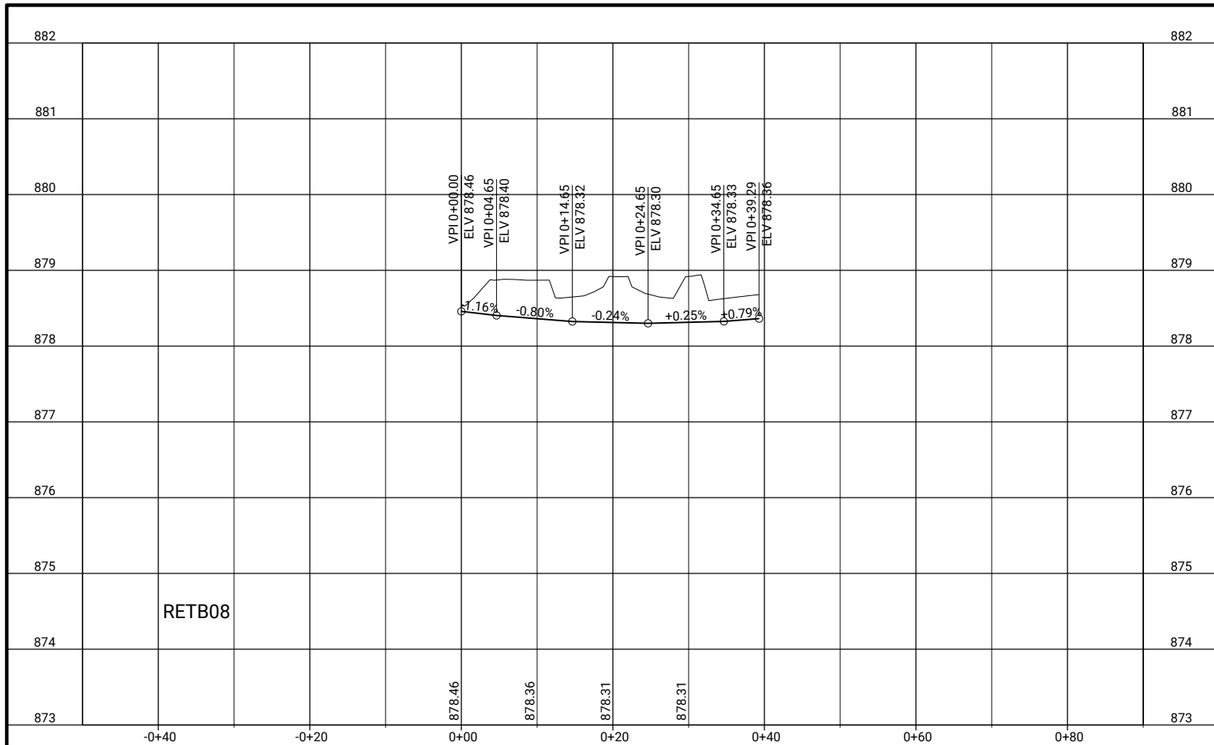
NO	DATE	BY	REVISION DESCRIPTION

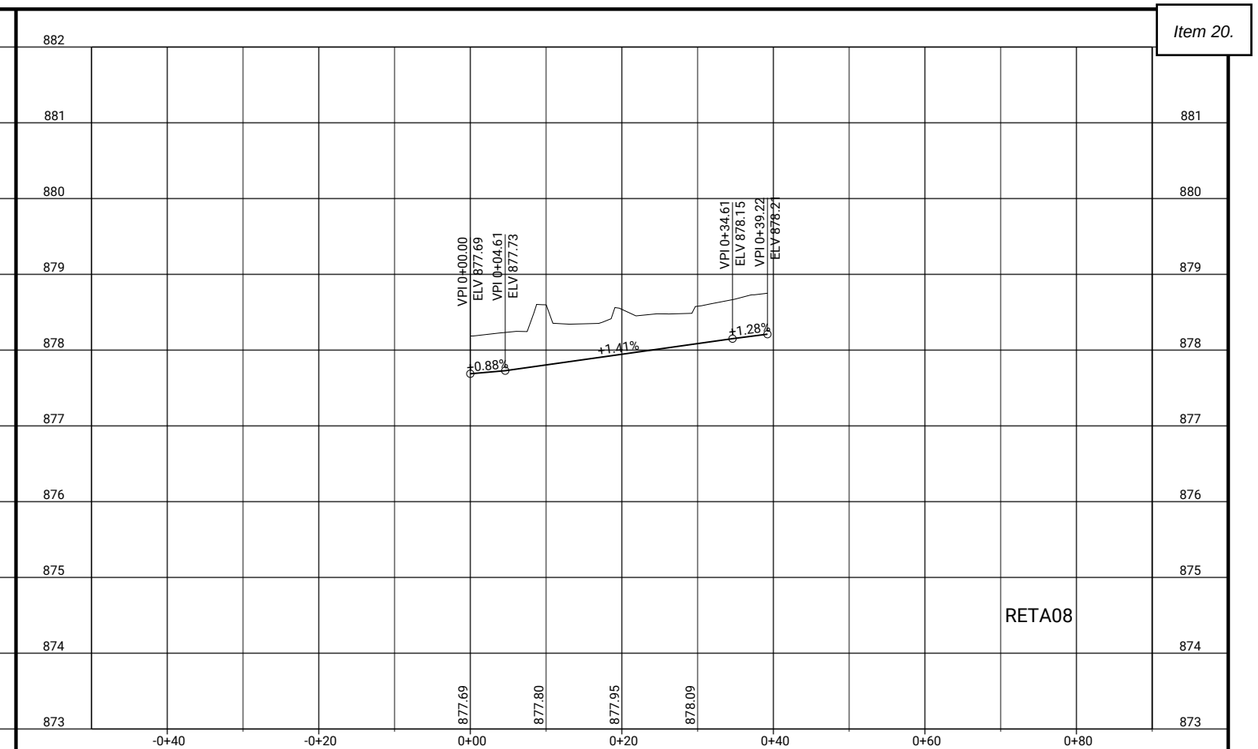
Foth

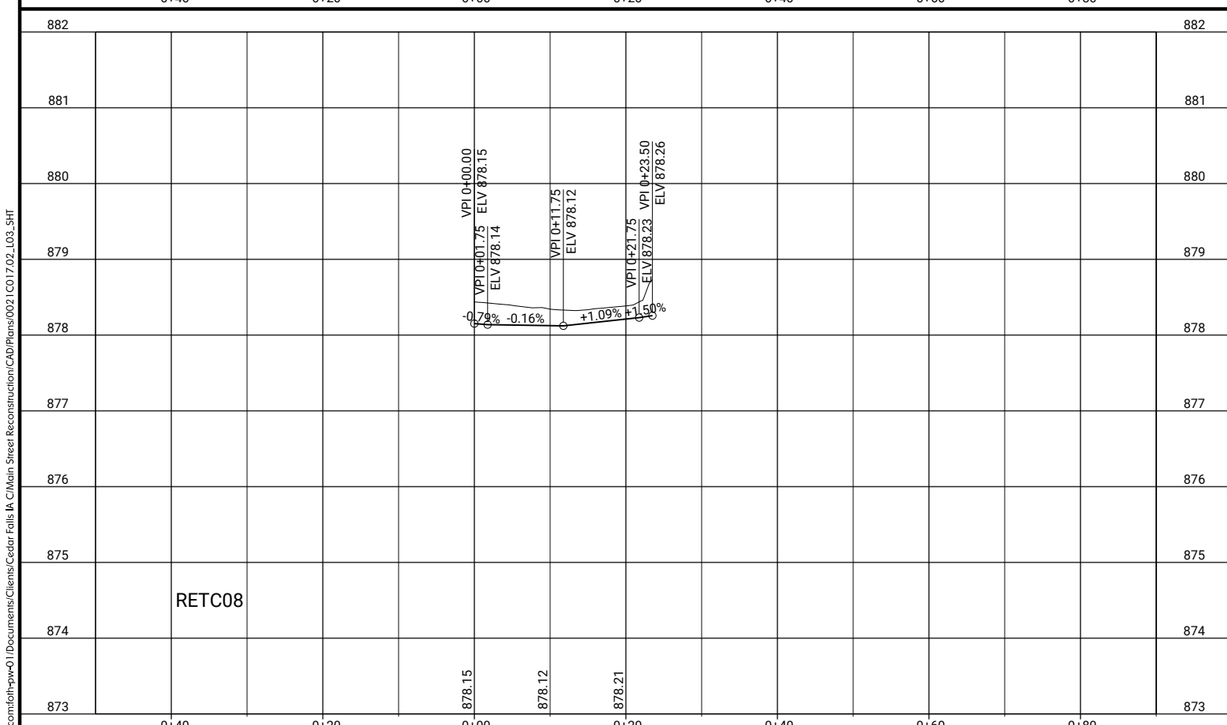
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

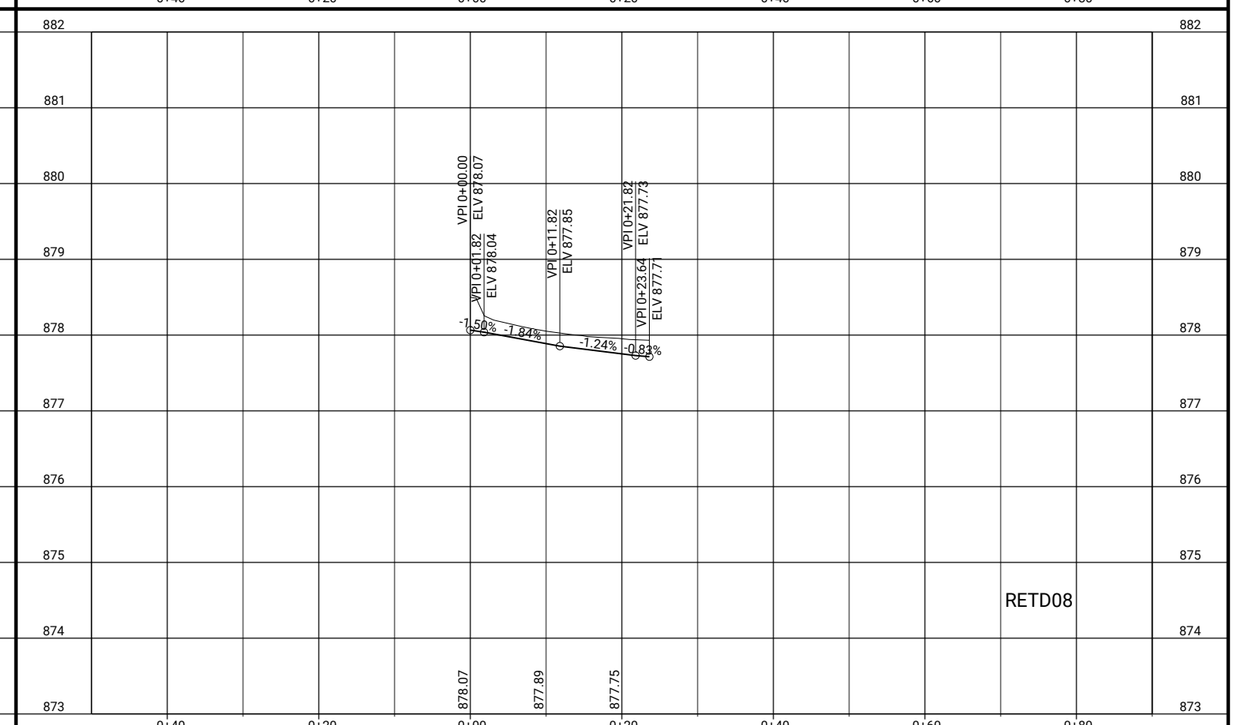
MAIN STREET
STAKING DETAIL SHEETS

SHEET NO.
L.46
STBG-SWAP-1185(657









CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 00210017.02
DESIGNED BY: T. LECLAIR CHECKED BY: C. CARPER DRAWN BY: T. LECLAIR
LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 4:57:00 PM
CAD FILE: c:\pw_workdir\pw_ie\fvd_amm\d0518375\00210017.02_L03_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

8TH STREET
EDGE RETURN PROFILES

SHEET NO.
L.47

STBG-SWAP-1185(657

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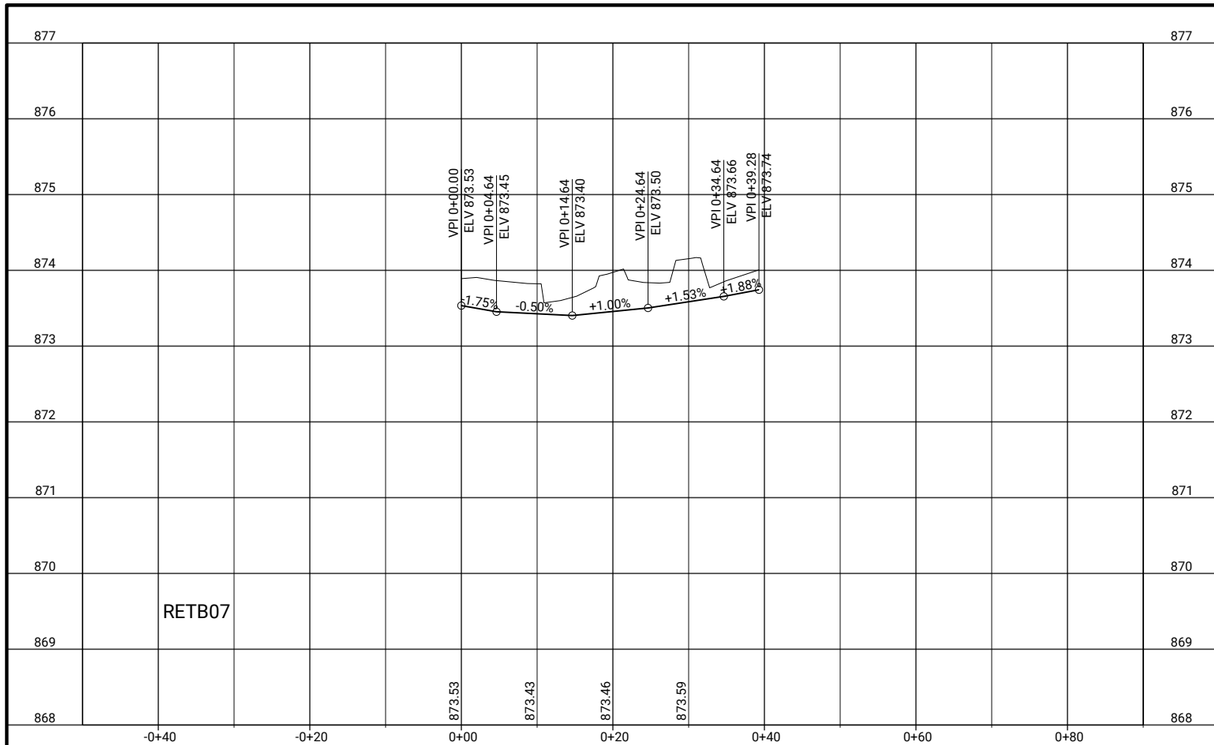

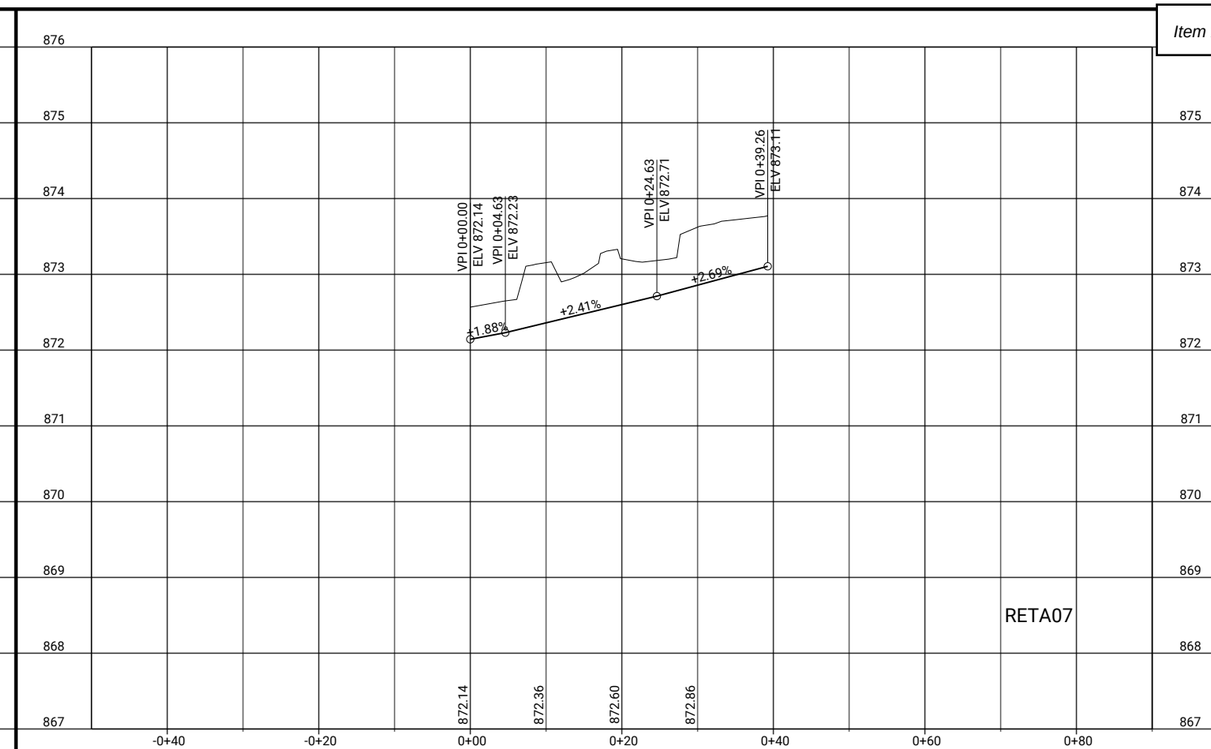

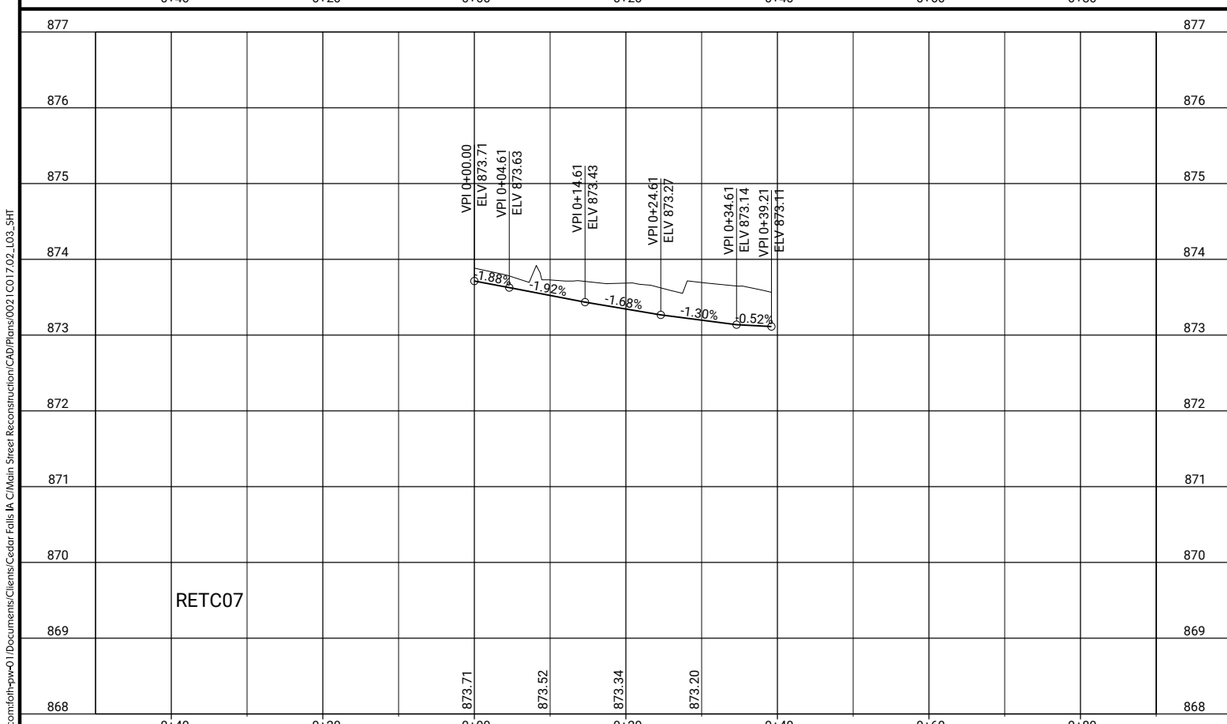

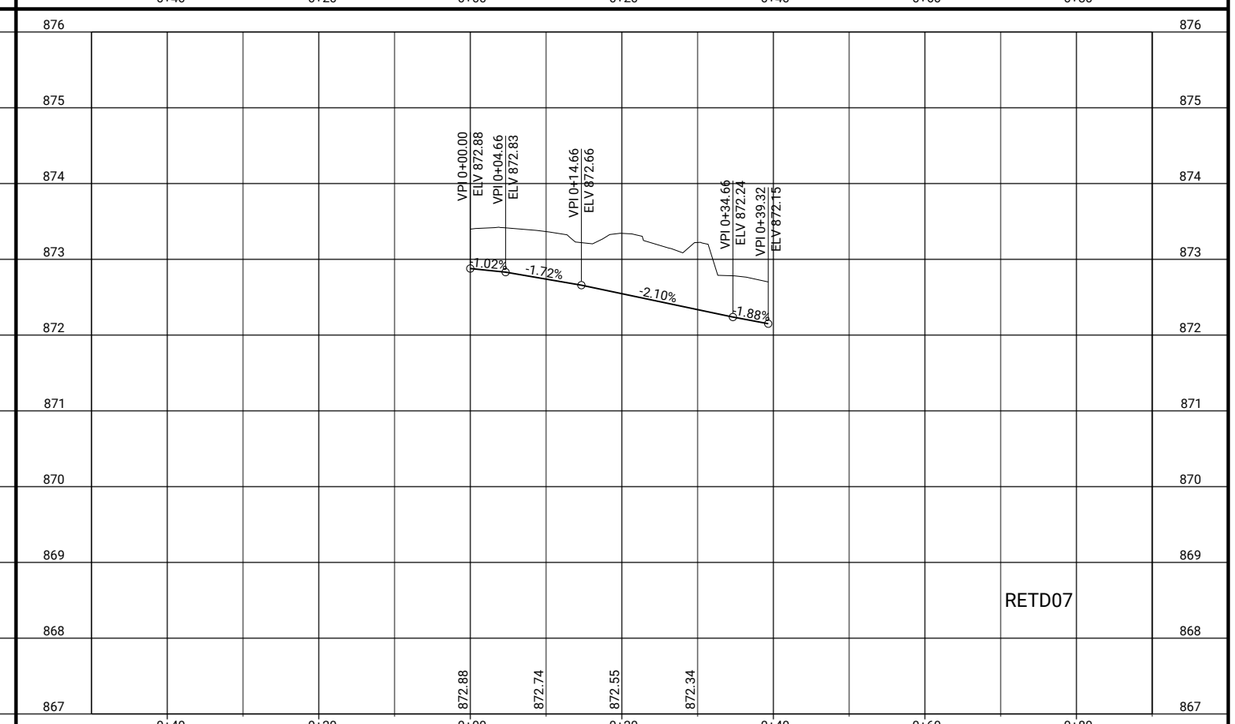

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DESIGNED BY: T. LECLAIR CHECKED BY: C. CARPER DRAWN BY: T. LECLAIR
LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 4:57:00 PM
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

7TH STREET
EDGE RETURN PROFILES

SHEET NO.
L.48
STBG-SWAP-1185(657

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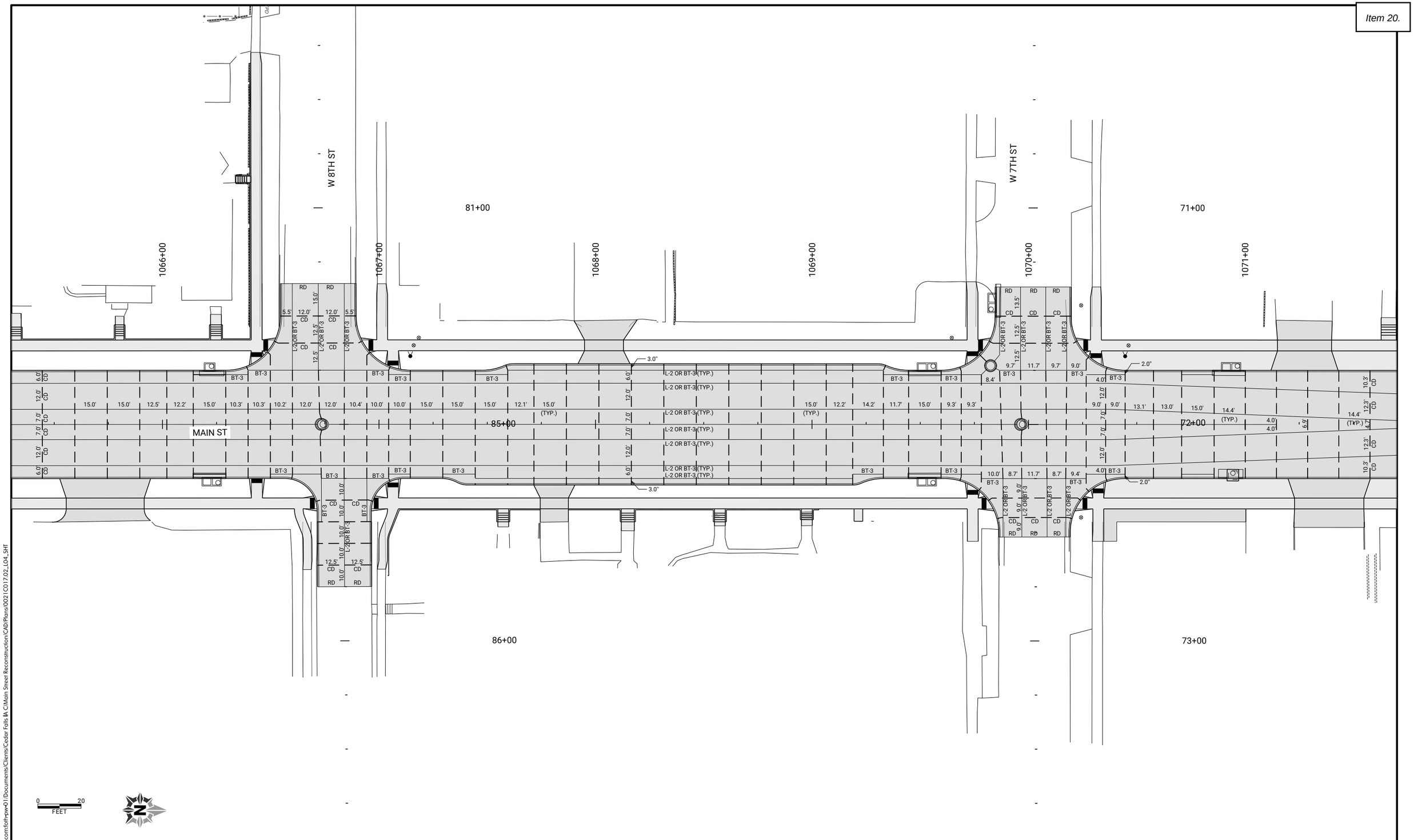

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DESIGNED BY: C. CARPER	CHECKED BY: C. CARPER	DRAWN BY: T. LECLAIR	
LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022	4:51:38 PM	
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
JOINTING SHEETS

SHEET NO.
L.49

STBG-SWAP-1185(657)

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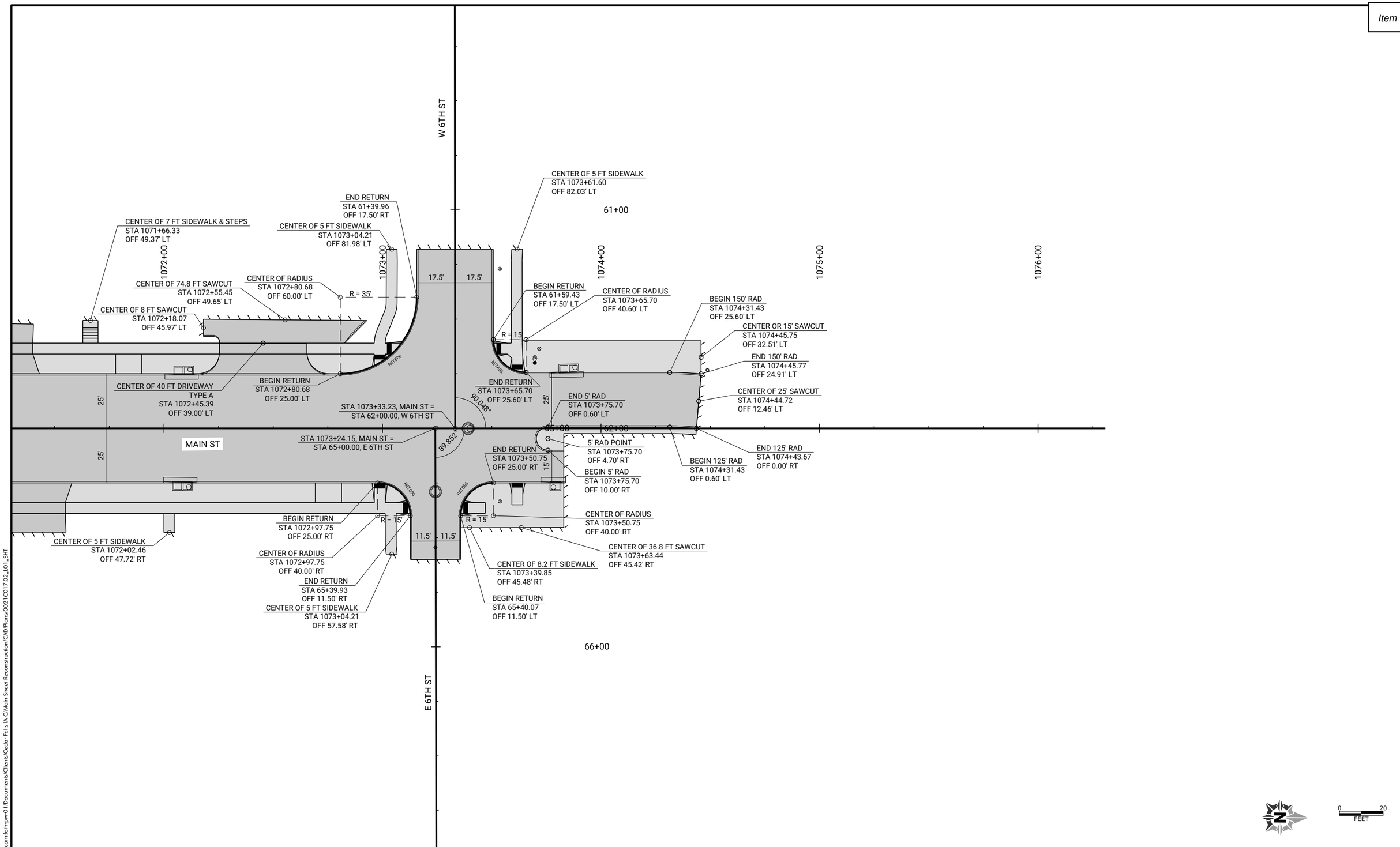

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DESIGNED BY: C. CARPER	CHECKED BY: C. CARPER	DRAWN BY: T. LECLAIR	
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
GEOMETRIC DETAIL SHEETS

SHEET NO.
L.50

STBG-SWAP-1185(657)

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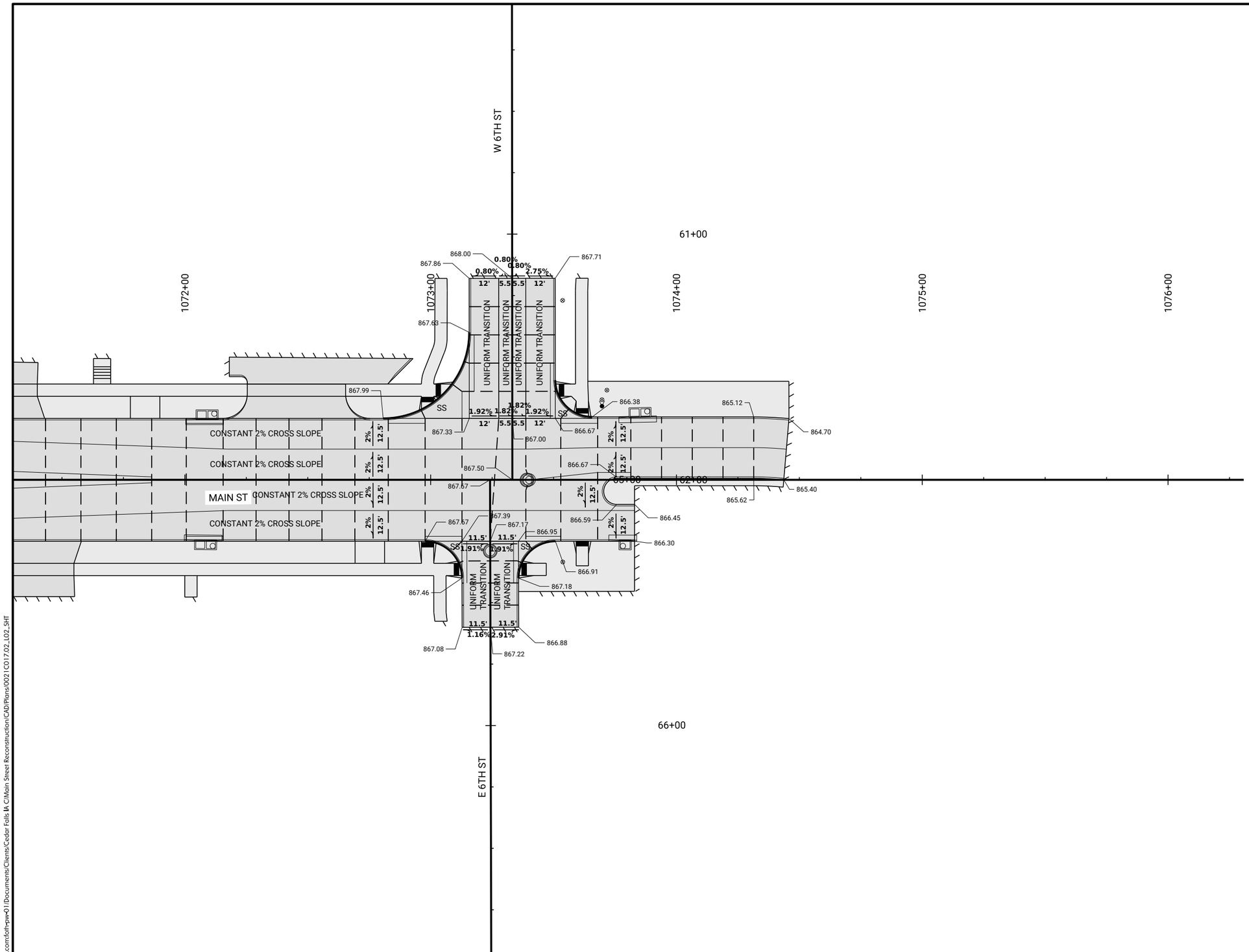

NOTES:
ALL ELEVATIONS ARE FORM GRADE (FG) OR TOPOF SLAB (TS) UNLESS OTHERWISE NOTED.

SPECIAL SHAPING (SS) REQUIRED AT INTERSECTION RETURNS

CONTRACTOR TO VERIFY ALL TIE-IN ELEVATIONS. NOTIFY ENGINEER IF ELEVATIONS ARE DIFFERENT THAN SHOWN.

REFER TO S-SHEETS FOR PEDESTRIAN RAMP AND SIDEWALK DETAILS.

0 20
FEET

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CLIENT PROJECT NO:	STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO:	0021C017.02
DESIGNED BY:	C. CARPER	CHECKED BY:	C. CARPER
DRAWN BY:	T. LECLAIR		
LETTING DATE:	11/15/2022	CAD DATE:	9/1/2022 5:36:34 PM
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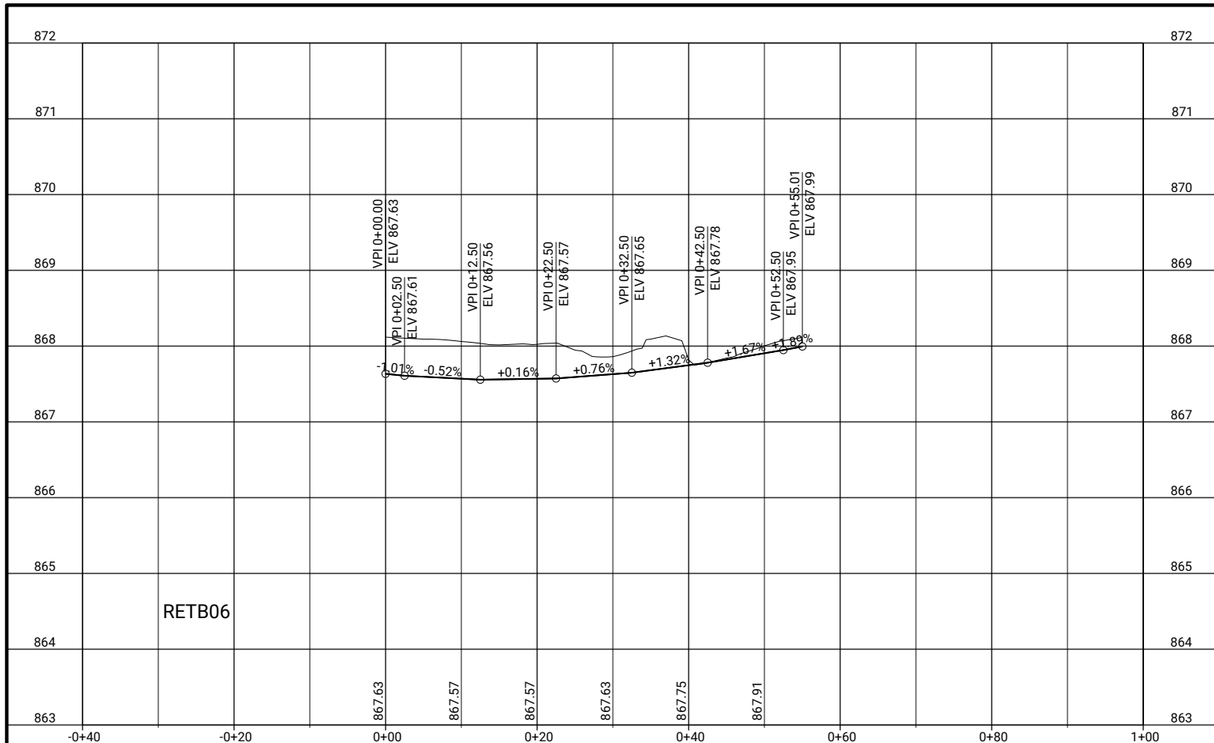
NO	DATE	BY	REVISION DESCRIPTION

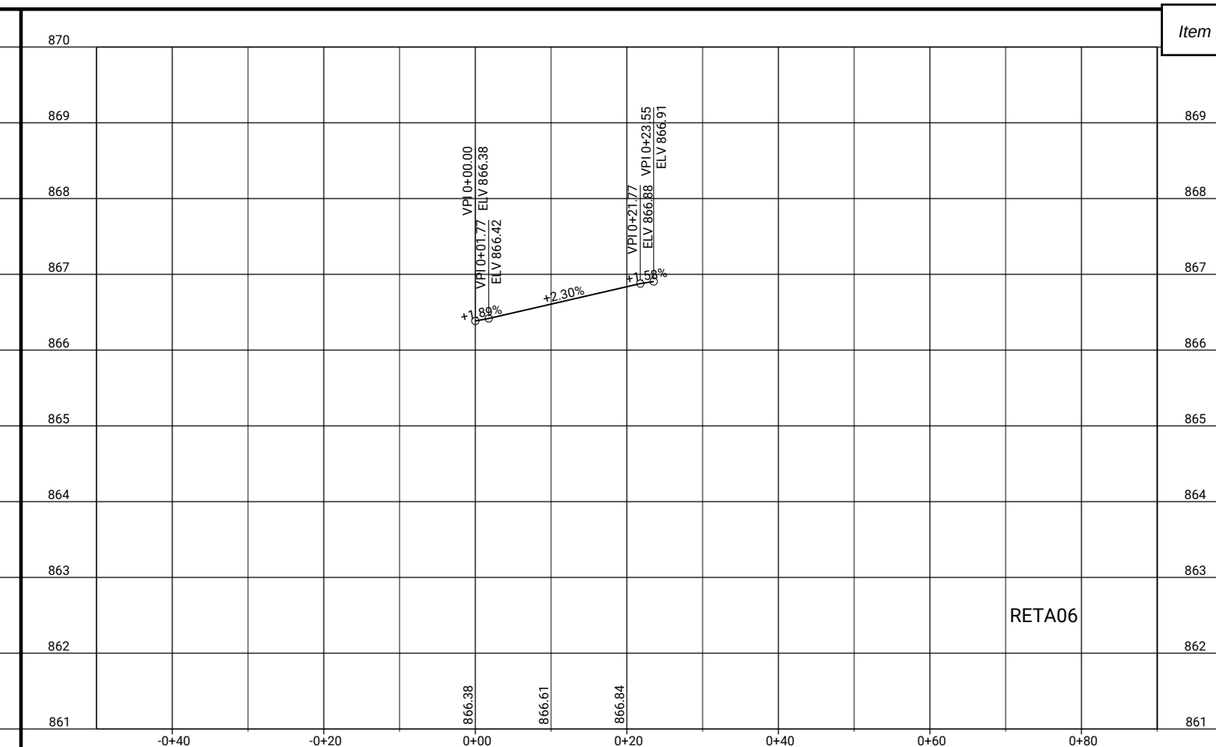
Foth

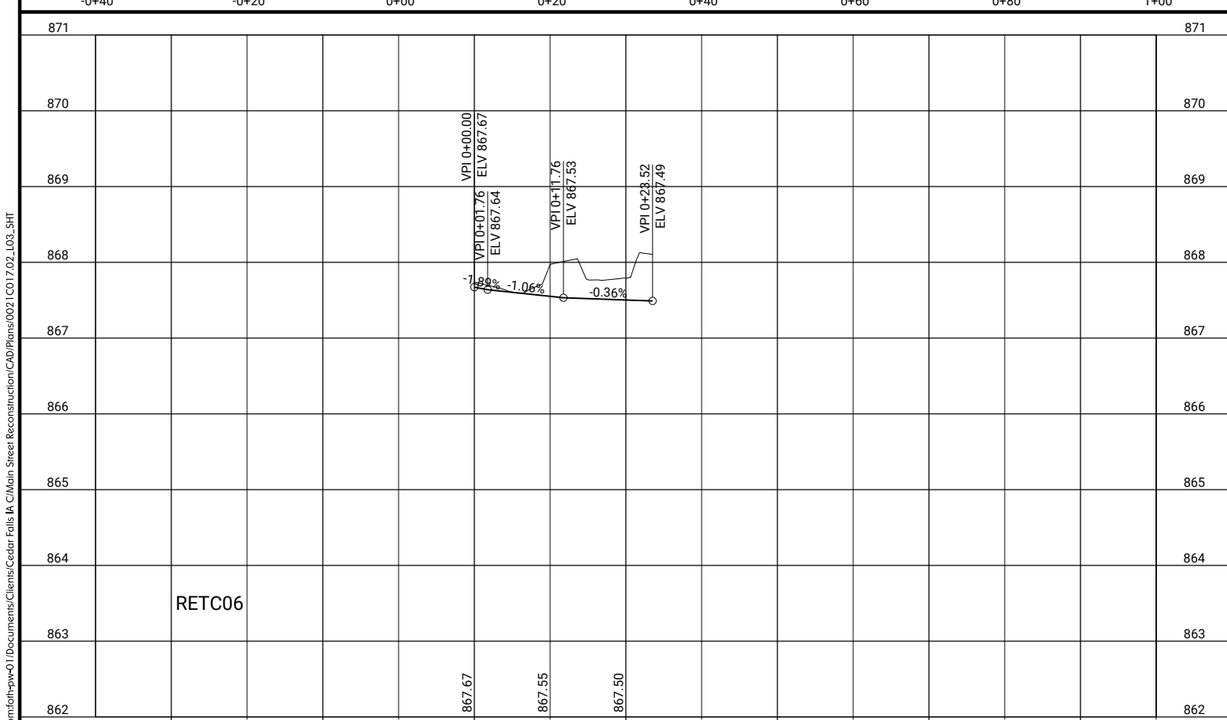
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

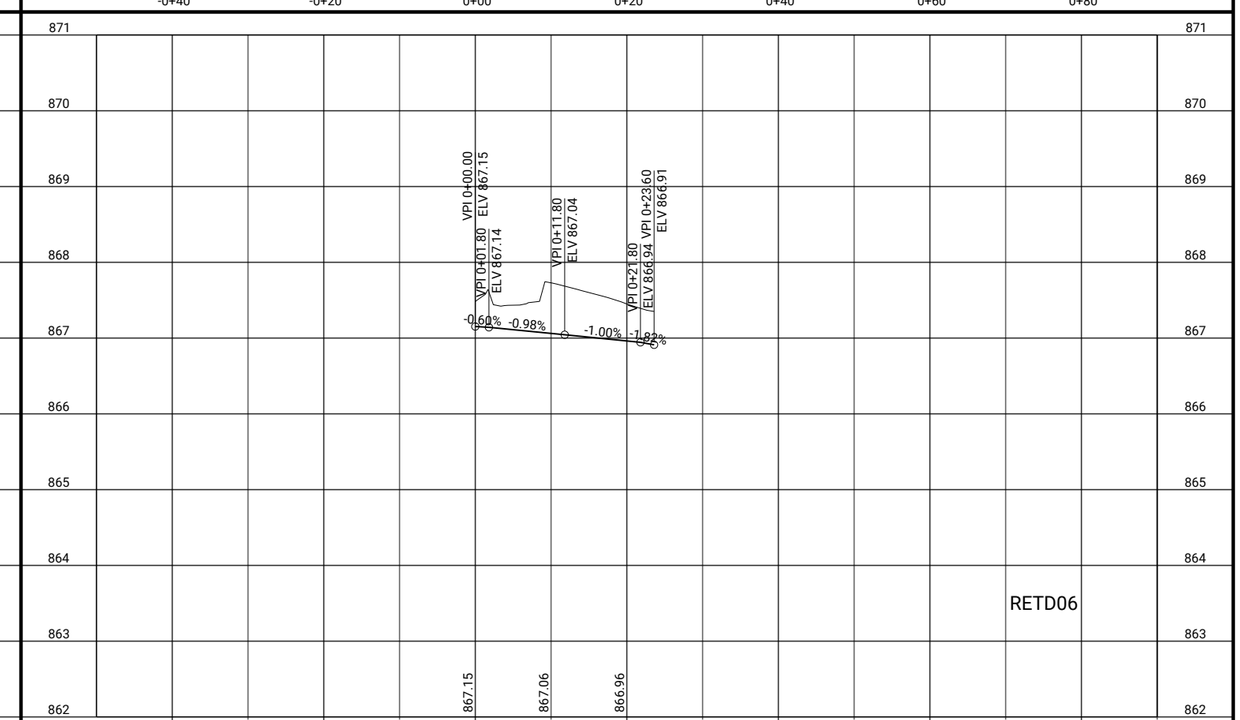
MAIN STREET
STAKING DETAIL SHEETS

SHEET NO.
L.51









CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 00210017.02
DESIGNED BY: T. LECLAIR CHECKED BY: C. CARPER DRAWN BY: T. LECLAIR
LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 4:57:01 PM
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

6TH STREET
EDGE RETURN PROFILES

SHEET NO.
L.52

STBG-SWAP-1185(657

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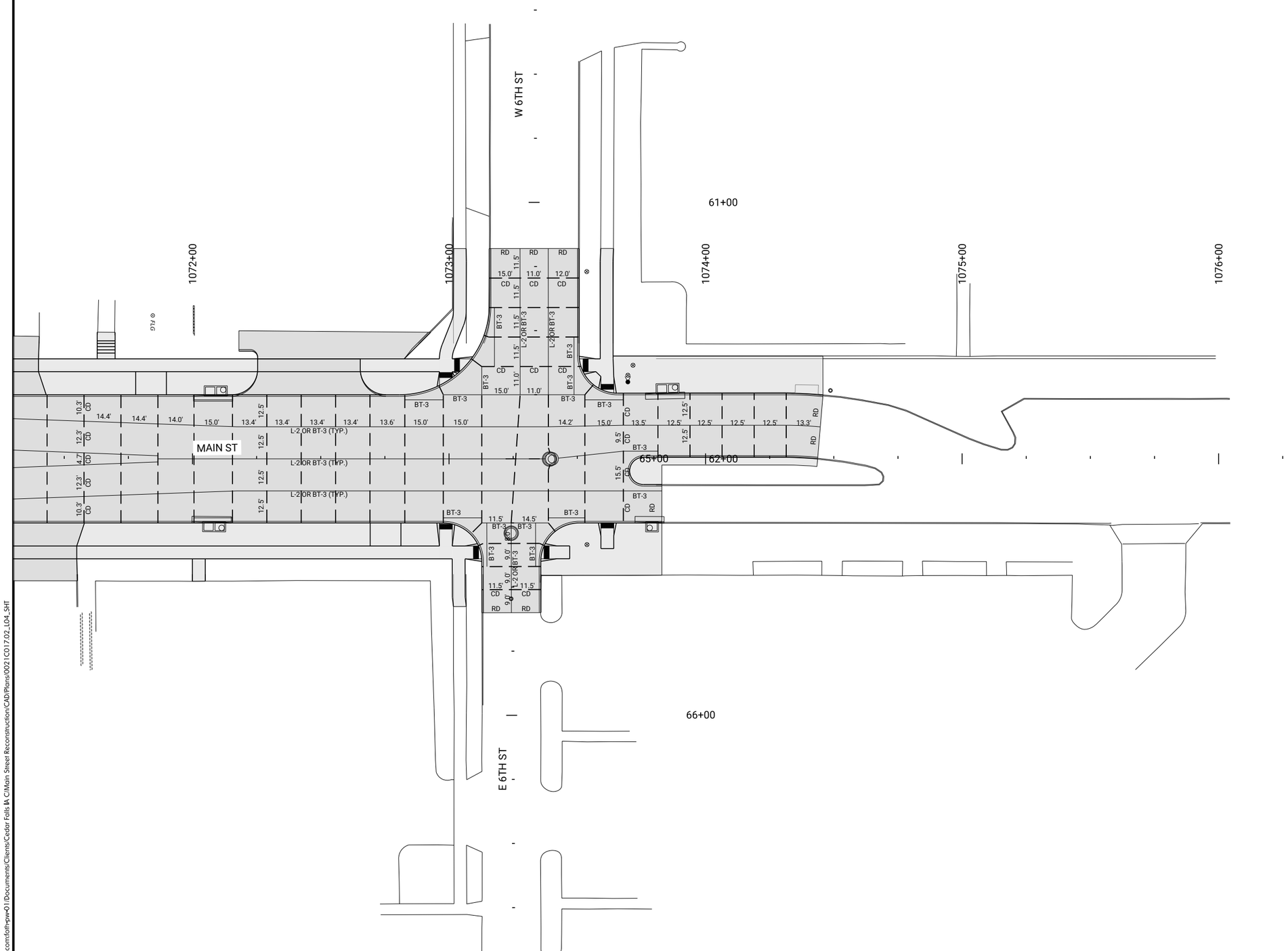

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: C. CARPER	CHECKED BY: C. CARPER	DRAWN BY: T. LECLAIR	
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
JOINTING SHEETS

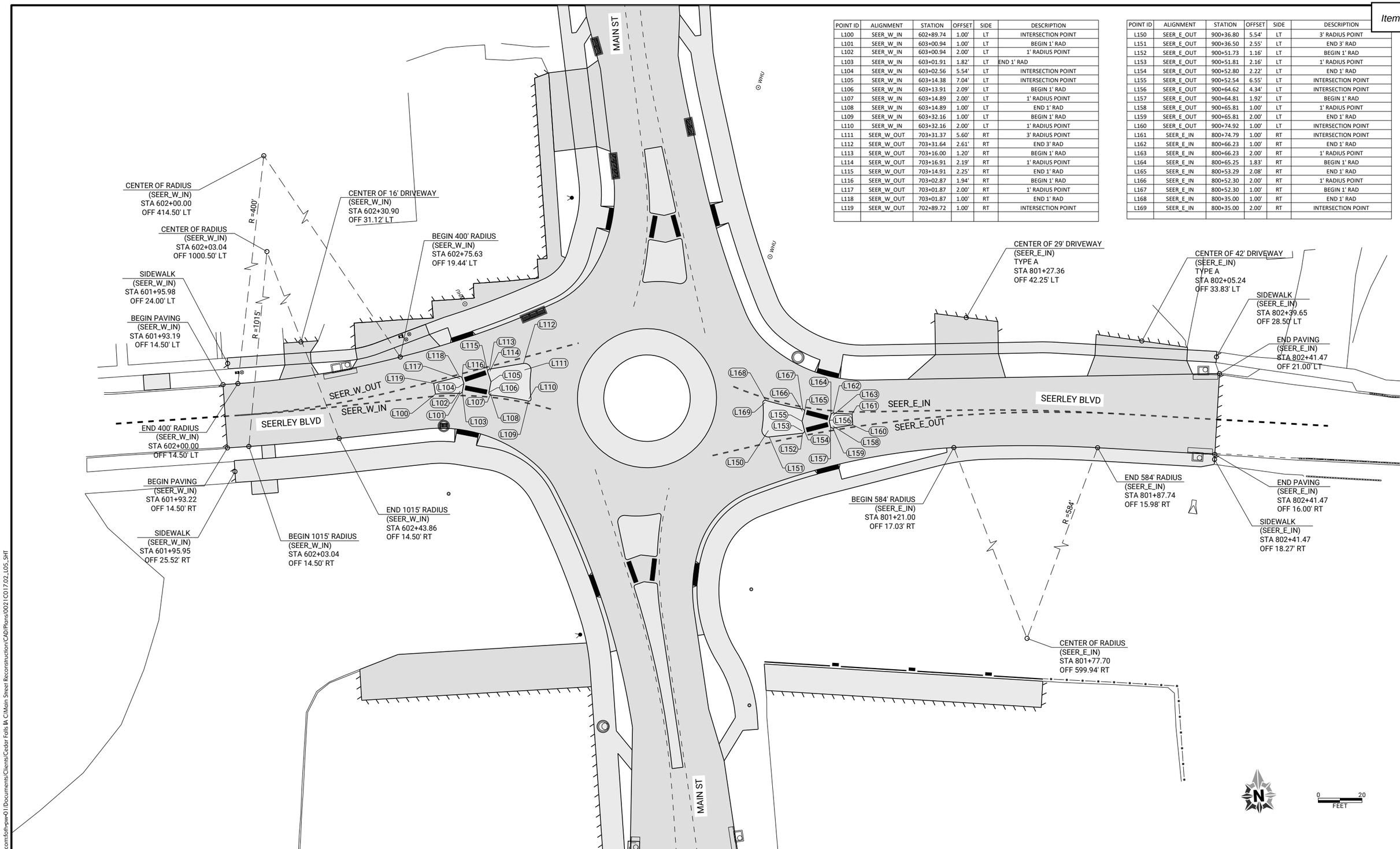
SHEET NO.
L.53

STBG-SWAP-1185(657)

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Falls IA C\Main Street Reconstruction\CAD\Plans\0021C017.02_L04_SHT

POINT ID	ALIGNMENT	STATION	OFFSET	SIDE	DESCRIPTION
L100	SEER_W_IN	602+89.74	1.00'	LT	INTERSECTION POINT
L101	SEER_W_IN	603+00.94	1.00'	LT	BEGIN 1' RAD
L102	SEER_W_IN	603+00.94	2.00'	LT	1' RADIUS POINT
L103	SEER_W_IN	603+01.91	1.82'	LT	END 1' RAD
L104	SEER_W_IN	603+02.56	5.54'	LT	INTERSECTION POINT
L105	SEER_W_IN	603+14.38	7.04'	LT	INTERSECTION POINT
L106	SEER_W_IN	603+13.91	2.09'	LT	BEGIN 1' RAD
L107	SEER_W_IN	603+14.89	2.00'	LT	1' RADIUS POINT
L108	SEER_W_IN	603+14.89	1.00'	LT	END 1' RAD
L109	SEER_W_IN	603+32.16	1.00'	LT	BEGIN 1' RAD
L110	SEER_W_IN	603+32.16	2.00'	LT	1' RADIUS POINT
L111	SEER_W_OUT	703+31.37	5.60'	RT	3' RADIUS POINT
L112	SEER_W_OUT	703+31.64	2.61'	RT	END 3' RAD
L113	SEER_W_OUT	703+16.00	1.20'	RT	BEGIN 1' RAD
L114	SEER_W_OUT	703+16.91	2.19'	RT	1' RADIUS POINT
L115	SEER_W_OUT	703+14.91	2.25'	RT	END 1' RAD
L116	SEER_W_OUT	703+02.87	1.94'	RT	BEGIN 1' RAD
L117	SEER_W_OUT	703+01.87	2.00'	RT	1' RADIUS POINT
L118	SEER_W_OUT	703+01.87	1.00'	RT	END 1' RAD
L119	SEER_W_OUT	702+89.72	1.00'	RT	INTERSECTION POINT

POINT ID	ALIGNMENT	STATION	OFFSET	SIDE	DESCRIPTION
L150	SEER_E_OUT	900+36.80	5.54'	LT	3' RADIUS POINT
L151	SEER_E_OUT	900+36.50	2.55'	LT	END 3' RAD
L152	SEER_E_OUT	900+51.73	1.16'	LT	BEGIN 1' RAD
L153	SEER_E_OUT	900+51.81	2.16'	LT	1' RADIUS POINT
L154	SEER_E_OUT	900+52.80	2.22'	LT	END 1' RAD
L155	SEER_E_OUT	900+52.54	6.55'	LT	INTERSECTION POINT
L156	SEER_E_OUT	900+64.62	4.34'	LT	INTERSECTION POINT
L157	SEER_E_OUT	900+64.81	1.92'	LT	BEGIN 1' RAD
L158	SEER_E_OUT	900+65.81	1.00'	LT	1' RADIUS POINT
L159	SEER_E_OUT	900+65.81	2.00'	LT	END 1' RAD
L160	SEER_E_OUT	900+74.92	1.00'	LT	INTERSECTION POINT
L161	SEER_E_IN	800+74.79	1.00'	RT	INTERSECTION POINT
L162	SEER_E_IN	800+66.23	1.00'	RT	END 1' RAD
L163	SEER_E_IN	800+66.23	2.00'	RT	1' RADIUS POINT
L164	SEER_E_IN	800+65.25	1.83'	RT	BEGIN 1' RAD
L165	SEER_E_IN	800+53.29	2.08'	RT	END 1' RAD
L166	SEER_E_IN	800+52.30	2.00'	RT	1' RADIUS POINT
L167	SEER_E_IN	800+52.30	1.00'	RT	BEGIN 1' RAD
L168	SEER_E_IN	800+35.00	1.00'	RT	END 1' RAD
L169	SEER_E_IN	800+35.00	2.00'	RT	INTERSECTION POINT



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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: C. CARPER CHECKED BY: C. CARPER DRAWN BY: T. LECLAIR
LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 4:42:54 PM
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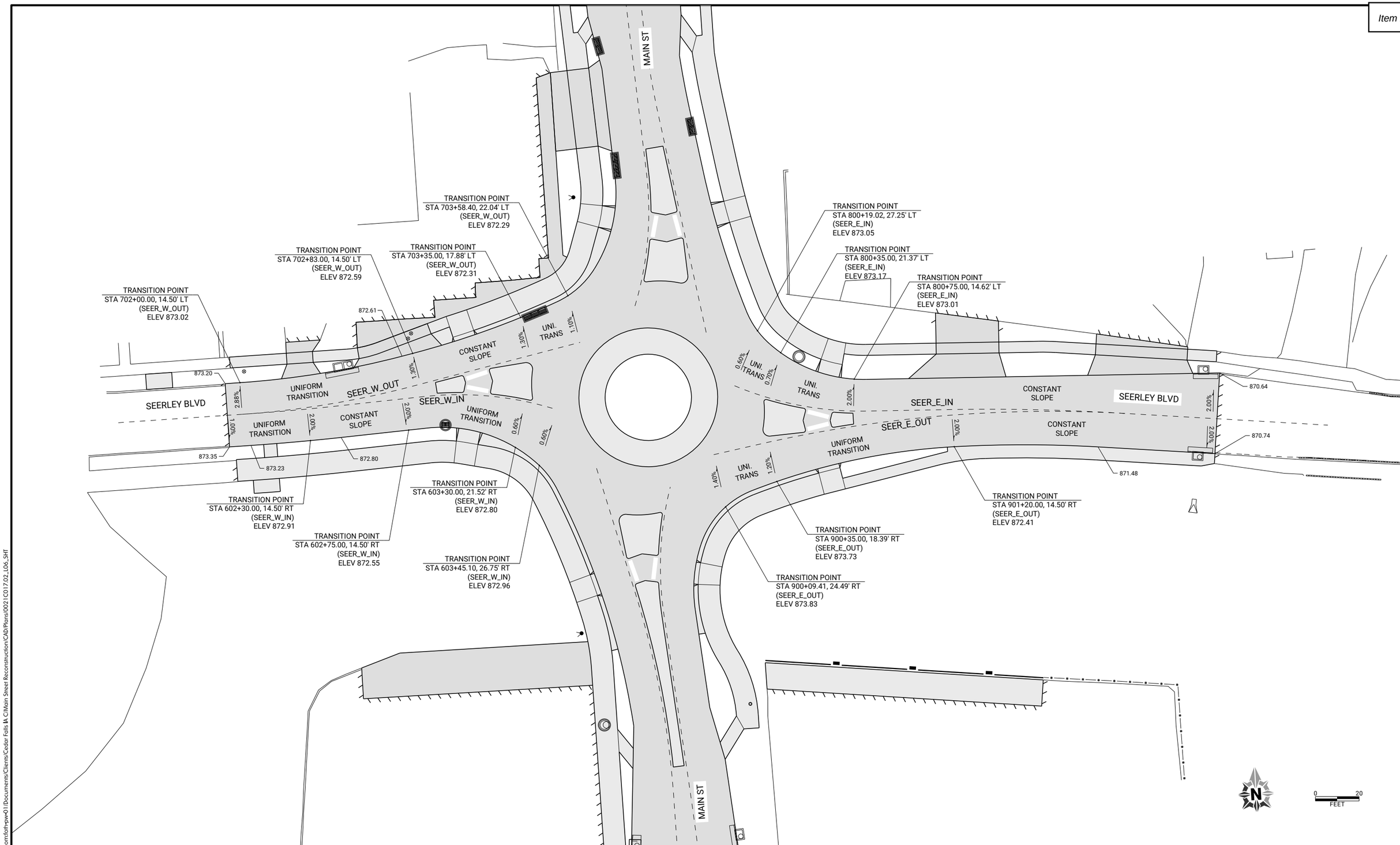
NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

SEERLEY BLVD
GEOMETRIC DETAIL SHEETS

SHEET NO.
L.54
STBG-SWAP-1185(657



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LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022	5:38:57 PM	
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

SEERLEY BLVD
STAKING DETAIL SHEETS

SHEET NO.
L.55
STBG-SWAP-1185(657)

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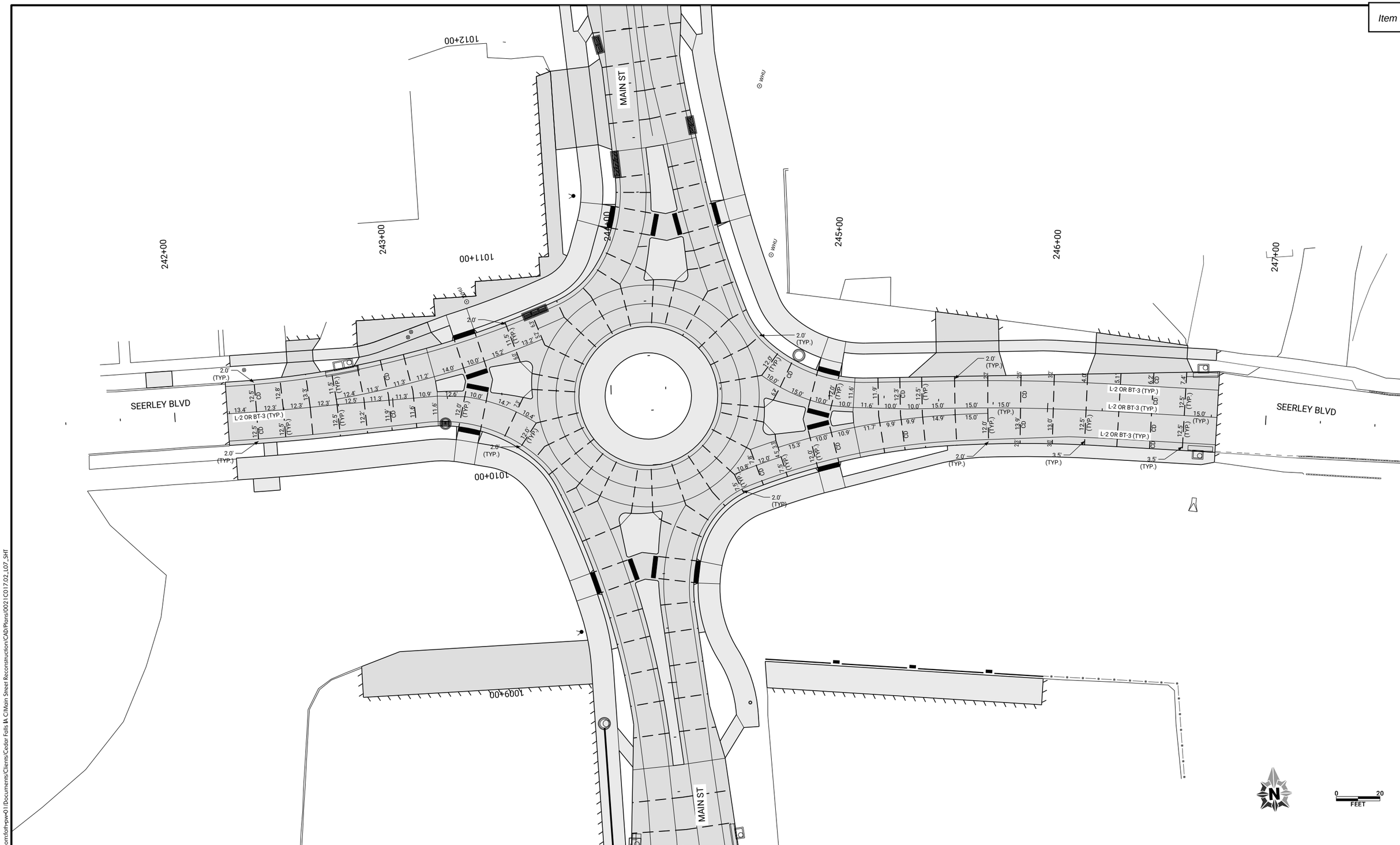

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

SEERLEY BLVD
JOINTING SHEETS

SHEET NO.
L.56

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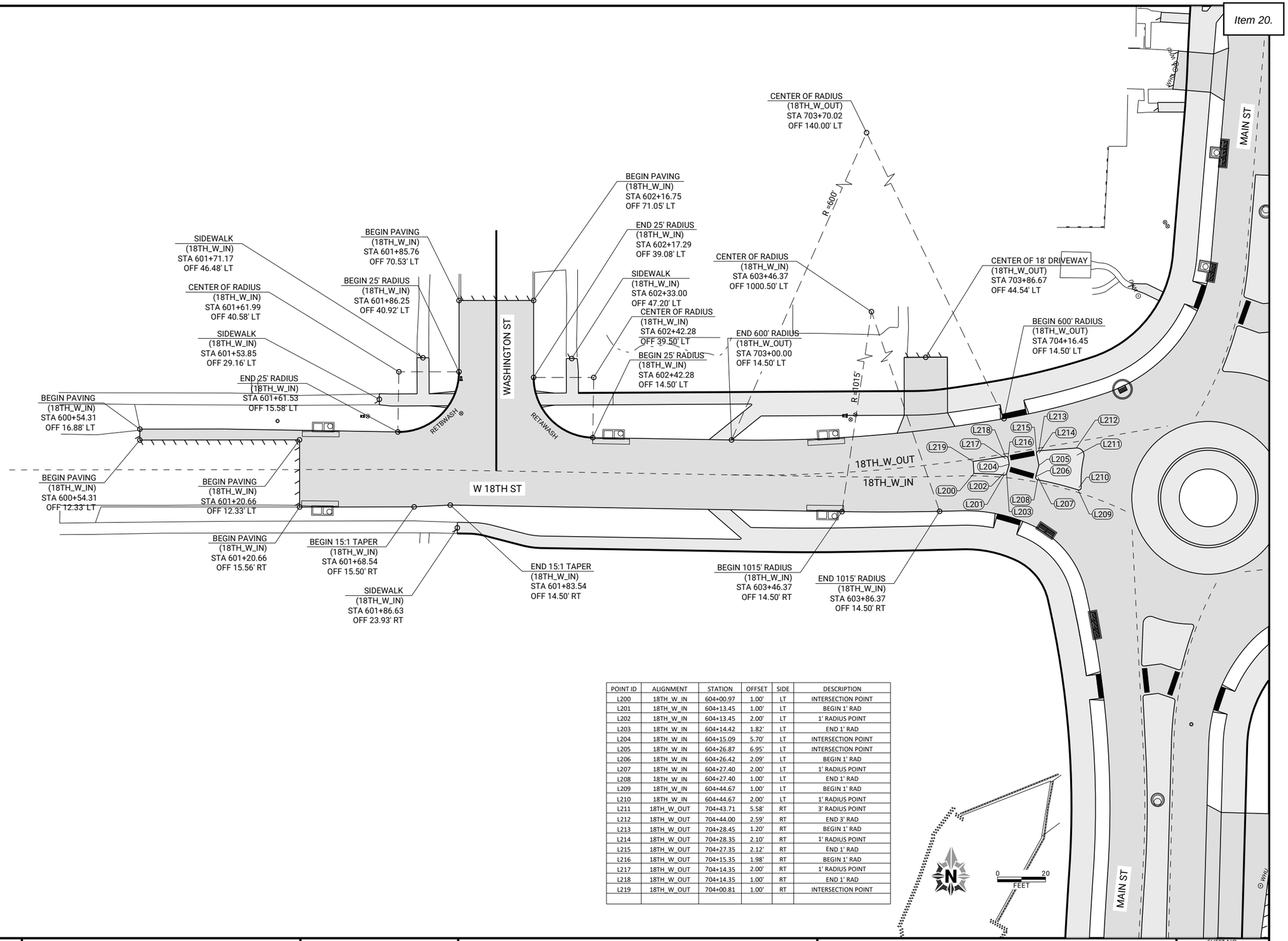

POINT ID	ALIGNMENT	STATION	OFFSET	SIDE	DESCRIPTION
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L202	18TH_W_IN	604+13.45	2.00'	LT	1' RADIUS POINT
L203	18TH_W_IN	604+14.42	1.82'	LT	END 1' RAD
L204	18TH_W_IN	604+15.09	5.70'	LT	INTERSECTION POINT
L205	18TH_W_IN	604+26.87	6.95'	LT	INTERSECTION POINT
L206	18TH_W_IN	604+26.42	2.09'	LT	BEGIN 1' RAD
L207	18TH_W_IN	604+27.40	2.00'	LT	1' RADIUS POINT
L208	18TH_W_IN	604+27.40	1.00'	LT	END 1' RAD
L209	18TH_W_IN	604+44.67	1.00'	LT	BEGIN 1' RAD
L210	18TH_W_IN	604+44.67	2.00'	LT	1' RADIUS POINT
L211	18TH_W_OUT	704+43.71	5.58'	RT	3' RADIUS POINT
L212	18TH_W_OUT	704+44.00	2.59'	RT	END 3' RAD
L213	18TH_W_OUT	704+28.45	1.20'	RT	BEGIN 1' RAD
L214	18TH_W_OUT	704+28.35	2.10'	RT	1' RADIUS POINT
L215	18TH_W_OUT	704+27.35	2.12'	RT	END 1' RAD
L216	18TH_W_OUT	704+15.35	1.98'	RT	BEGIN 1' RAD
L217	18TH_W_OUT	704+14.35	2.00'	RT	1' RADIUS POINT
L218	18TH_W_OUT	704+14.35	1.00'	RT	END 1' RAD
L219	18TH_W_OUT	704+00.81	1.00'	RT	INTERSECTION POINT

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: C. CARPER CHECKED BY: C. CARPER DRAWN BY: T. LECLAIR
LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 4:43:04 PM
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

18TH STREET
GEOMETRIC DETAIL SHEETS

SHEET NO.
L.57

STBG-SWAP-1185(657

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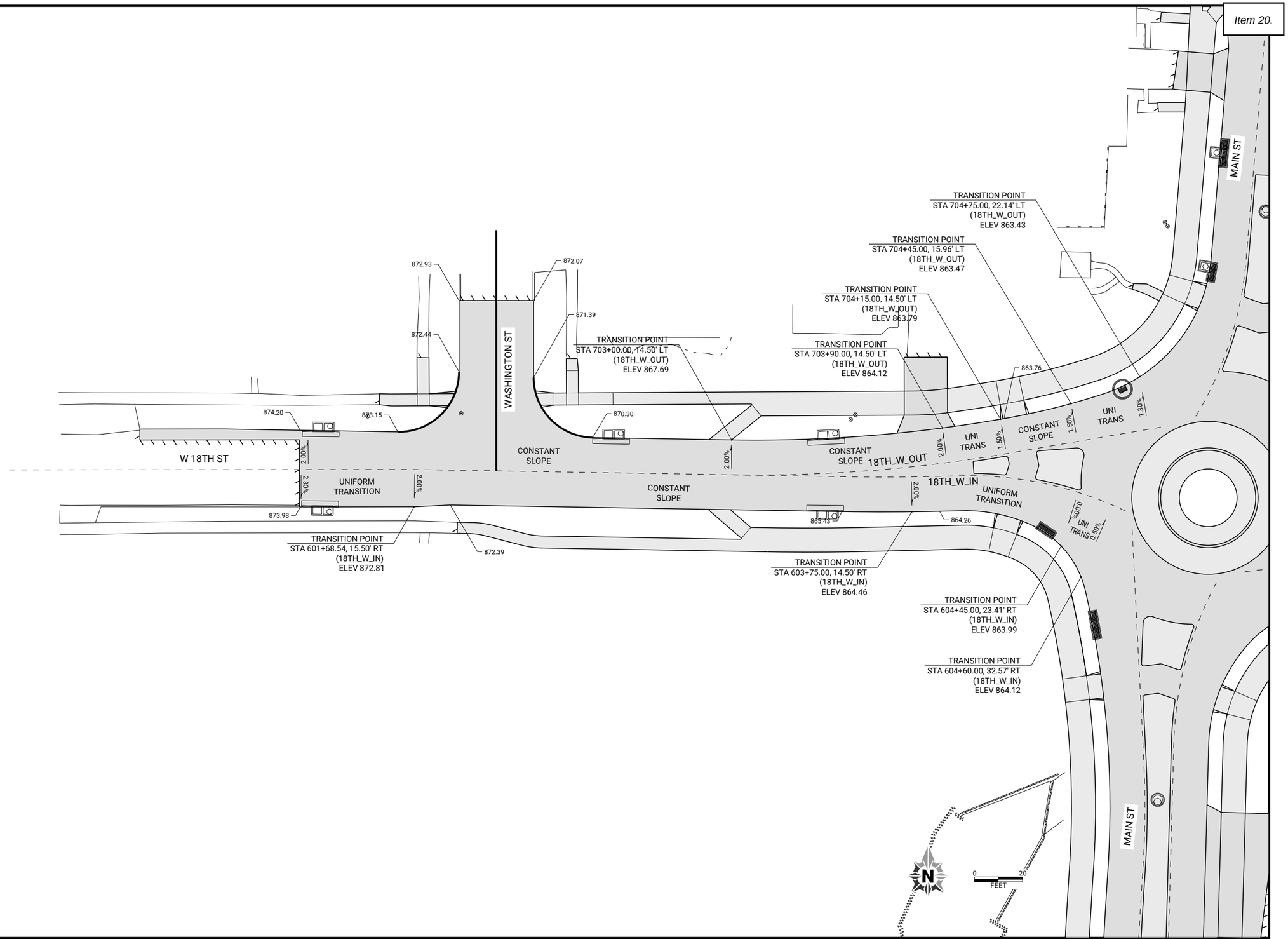

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DESIGNED BY: C. CARPER	CHECKED BY: C. CARPER	DRAWN BY: T. LECLAIR	
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NO	DATE	BY	REVISION DESCRIPTION

Foth

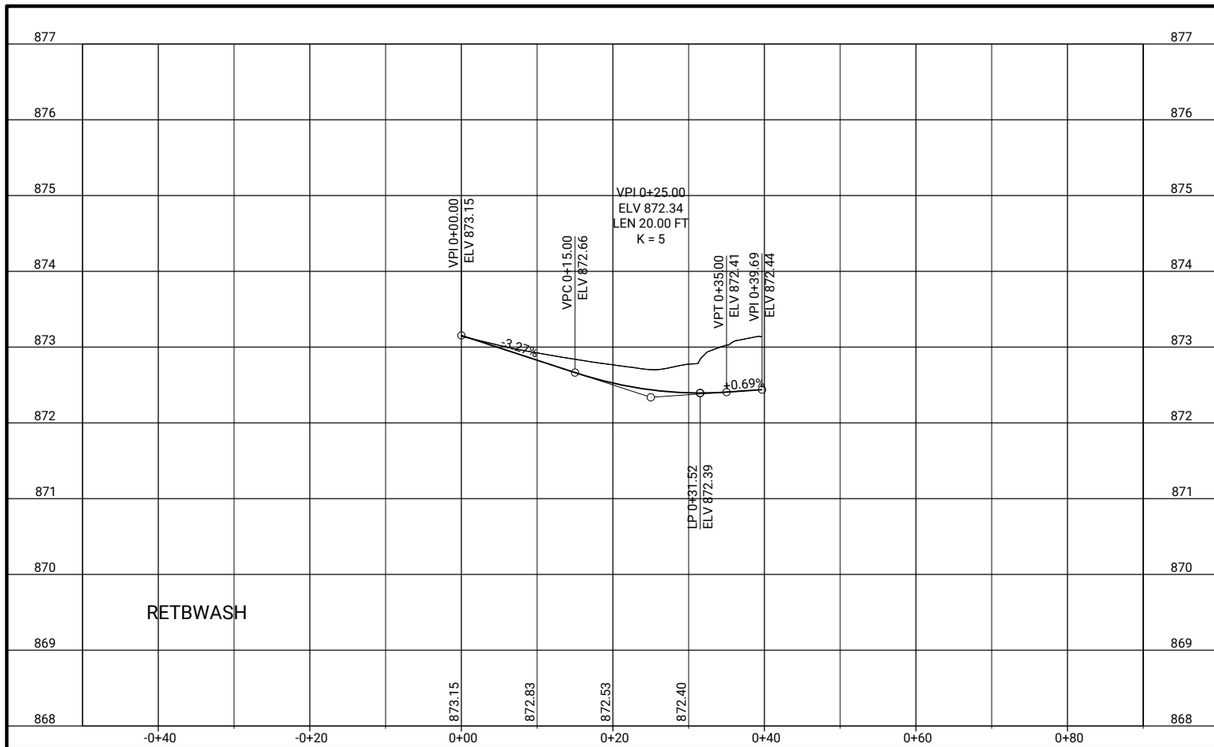
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

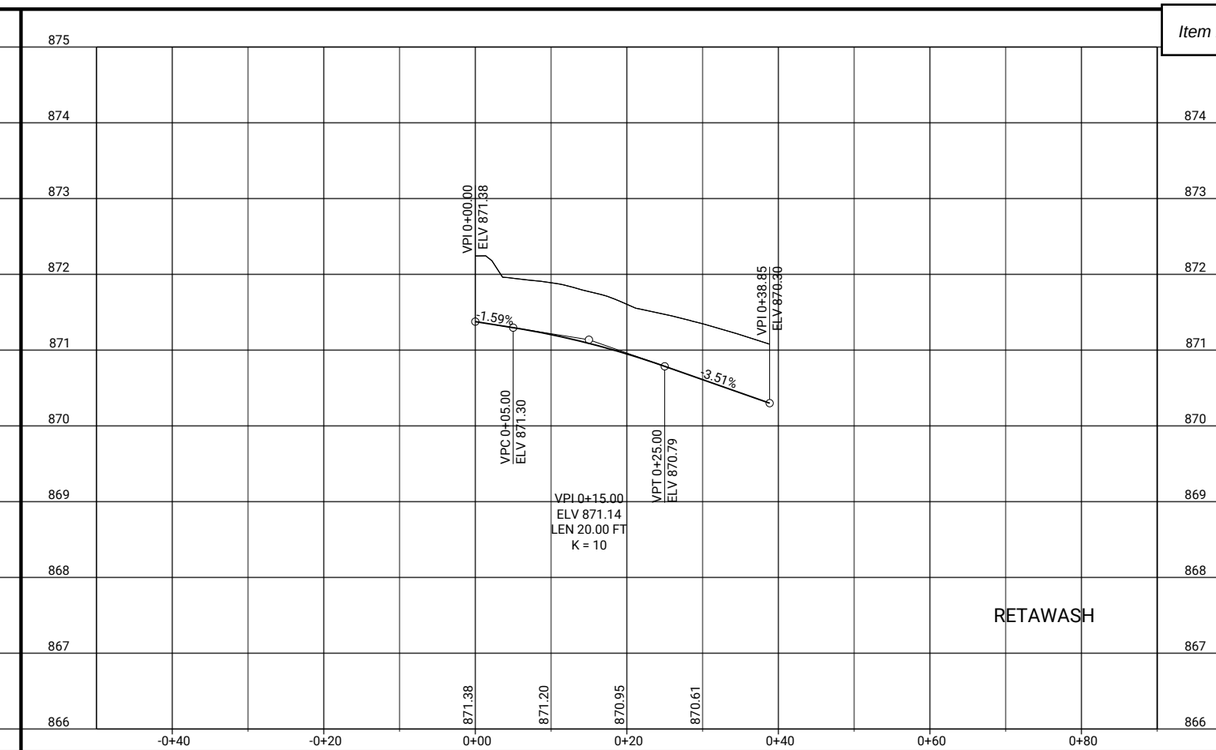
18TH STREET
STAKING DETAIL SHEETS

SHEET NO.
L.58

STBG-SWAP-1185(657

pw:\\foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Falls IA C\Main Street Reconstruction\CAD\Plans\0021C017.02_L06_SHT





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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: T. LECLAIR CHECKED BY: C. CARPER DRAWN BY: T. LECLAIR
LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 4:57:02 PM
CAD FILE: c:\pw_workdir\pw_ie\fvd_amm\d0518375\0021C017.02_L03_SHT.dgn

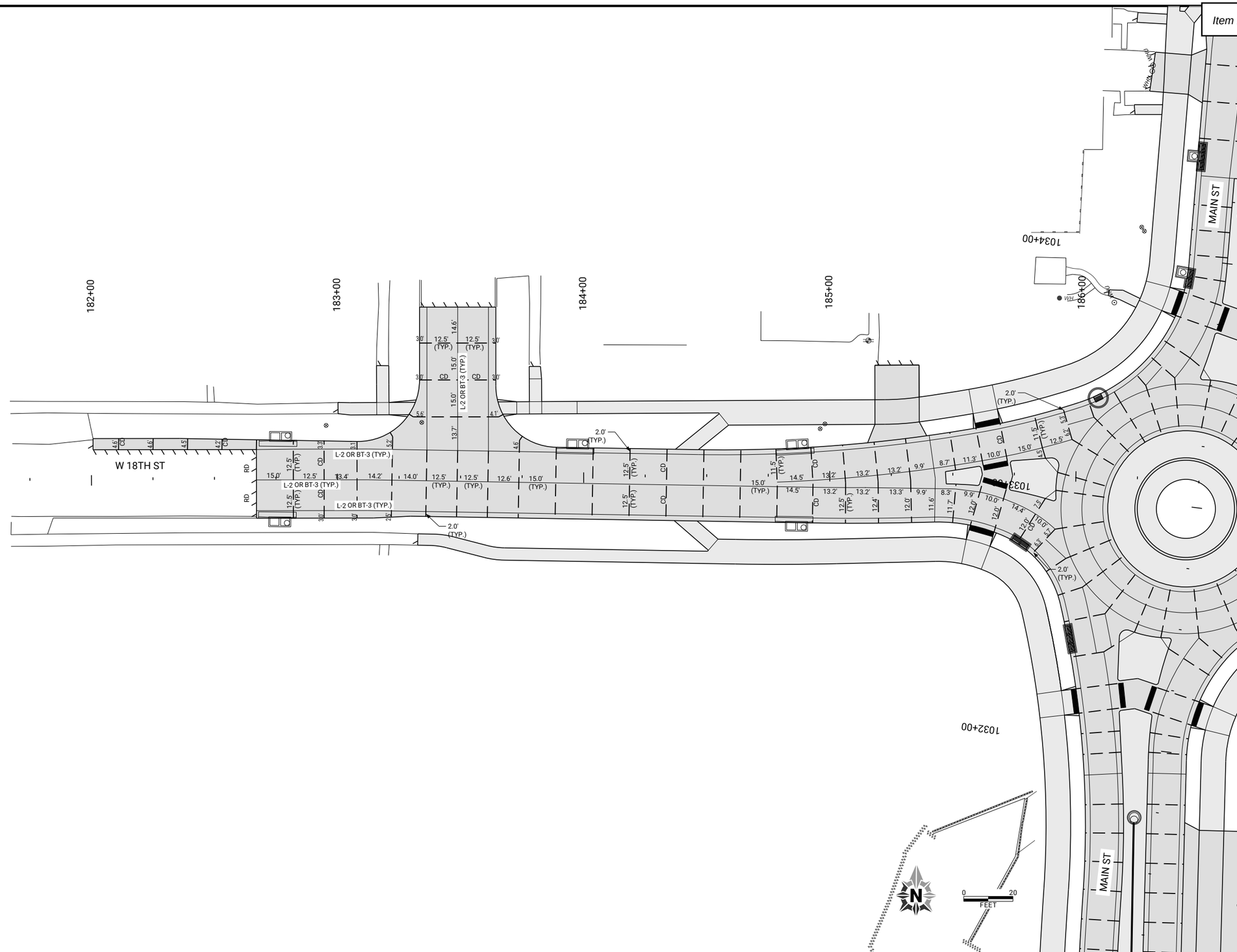
NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

WASHINGTON STREET AT 18TH STREET
EDGE RETURN PROFILES

SHEET NO.
L.59
STBG-SWAP-1185(657



CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

18TH STREET
JOINTING SHEETS

SHEET NO.
L.60

STBG-SWAP-1185(657

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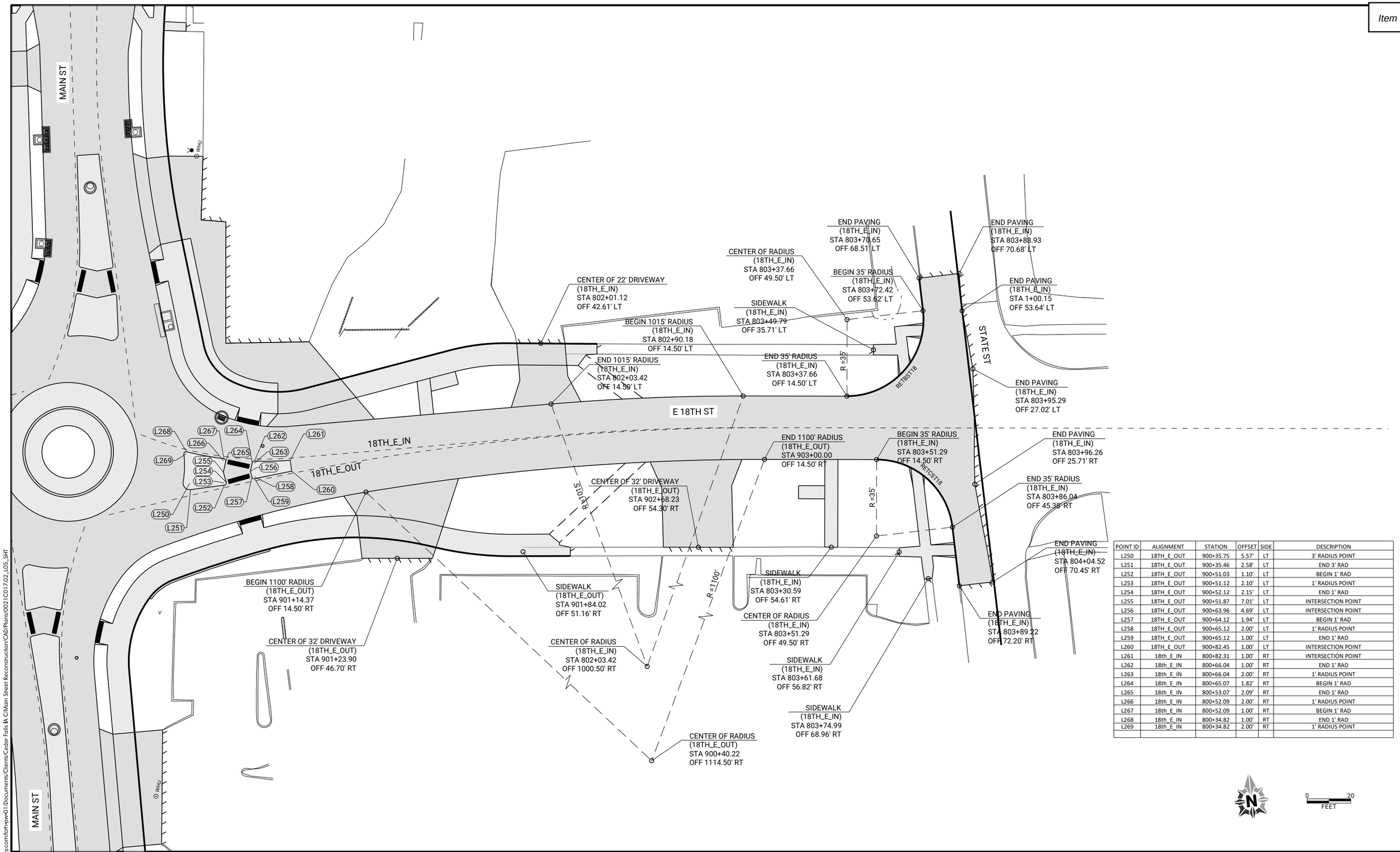

POINT ID	ALIGNMENT	STATION	OFFSET	SIDE	DESCRIPTION
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L252	18TH_E_OUT	900+51.03	1.10'	LT	BEGIN 1' RAD
L253	18TH_E_OUT	900+51.12	2.10'	LT	1' RADIUS POINT
L254	18TH_E_OUT	900+52.12	2.15'	LT	END 1' RAD
L255	18TH_E_OUT	900+51.87	7.01'	LT	INTERSECTION POINT
L256	18TH_E_OUT	900+63.96	4.69'	LT	INTERSECTION POINT
L257	18TH_E_OUT	900+64.12	1.94'	LT	BEGIN 1' RAD
L258	18TH_E_OUT	900+65.12	2.00'	LT	1' RADIUS POINT
L259	18TH_E_OUT	900+65.12	1.00'	LT	END 1' RAD
L260	18TH_E_OUT	900+82.45	1.00'	LT	INTERSECTION POINT
L261	18th_E_IN	800+82.31	1.00'	RT	INTERSECTION POINT
L262	18th_E_IN	800+66.04	1.00'	RT	END 1' RAD
L263	18th_E_IN	800+66.04	2.00'	RT	1' RADIUS POINT
L264	18th_E_IN	800+65.07	1.82'	RT	BEGIN 1' RAD
L265	18th_E_IN	800+53.07	2.09'	RT	END 1' RAD
L266	18th_E_IN	800+52.09	2.00'	RT	1' RADIUS POINT
L267	18th_E_IN	800+52.09	1.00'	RT	BEGIN 1' RAD
L268	18th_E_IN	800+34.82	1.00'	RT	END 1' RAD
L269	18th_E_IN	800+34.82	2.00'	RT	1' RADIUS POINT

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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: C. CARPER CHECKED BY: C. CARPER DRAWN BY: T. LECLAIR
LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 4:43:15 PM
CAD FILE: c:\pw_workdir\pw_ie\ttl\d0518375\0021C017.02_L05_SHT.dgn

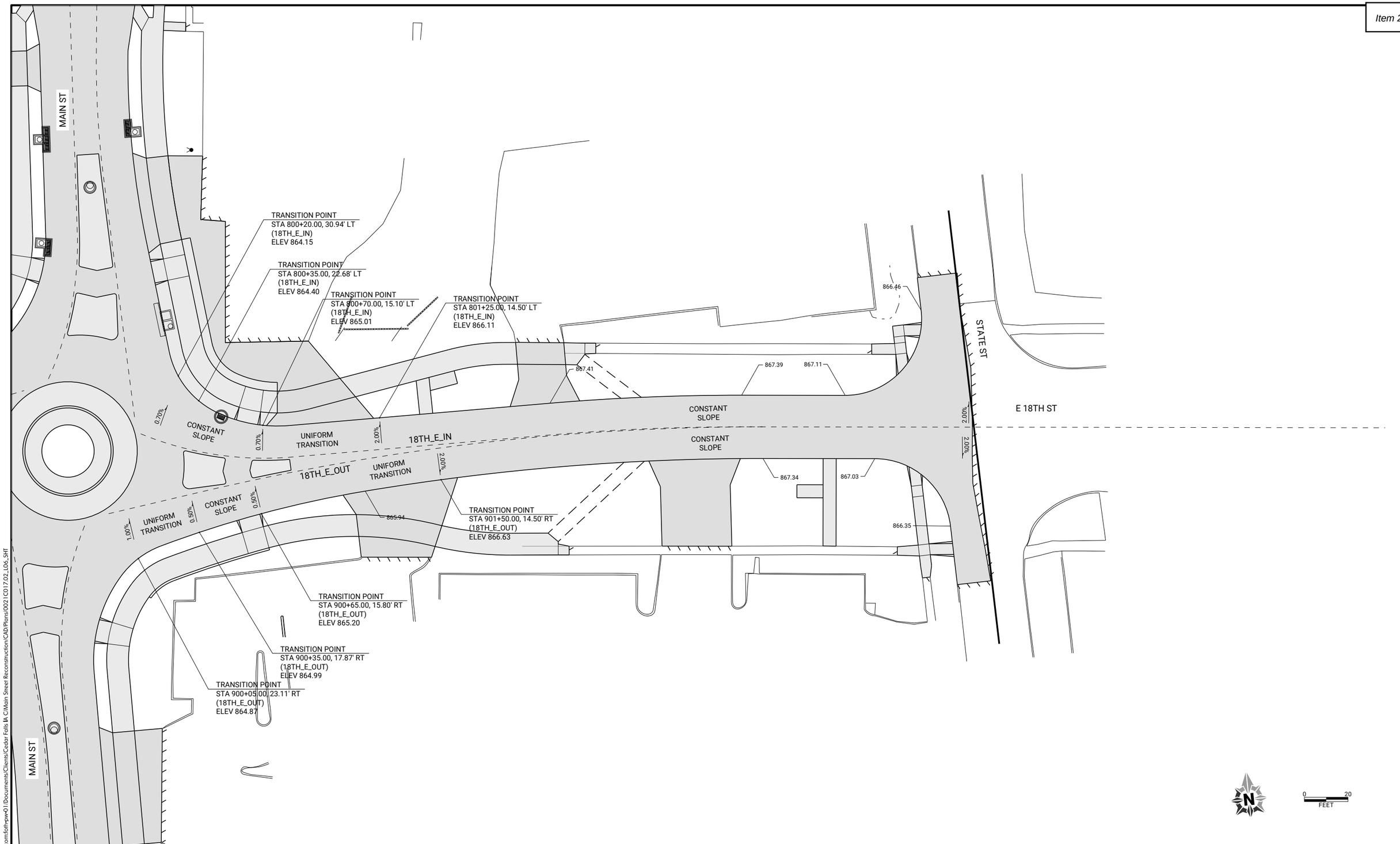
NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

18TH STREET
GEOMETRIC DETAIL SHEETS

SHEET NO.
L.61
STBG-SWAP-1185(657



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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

18TH STREET
STAKING DETAIL SHEETS

SHEET NO.
L.62
STBG-SWAP-1185(657)

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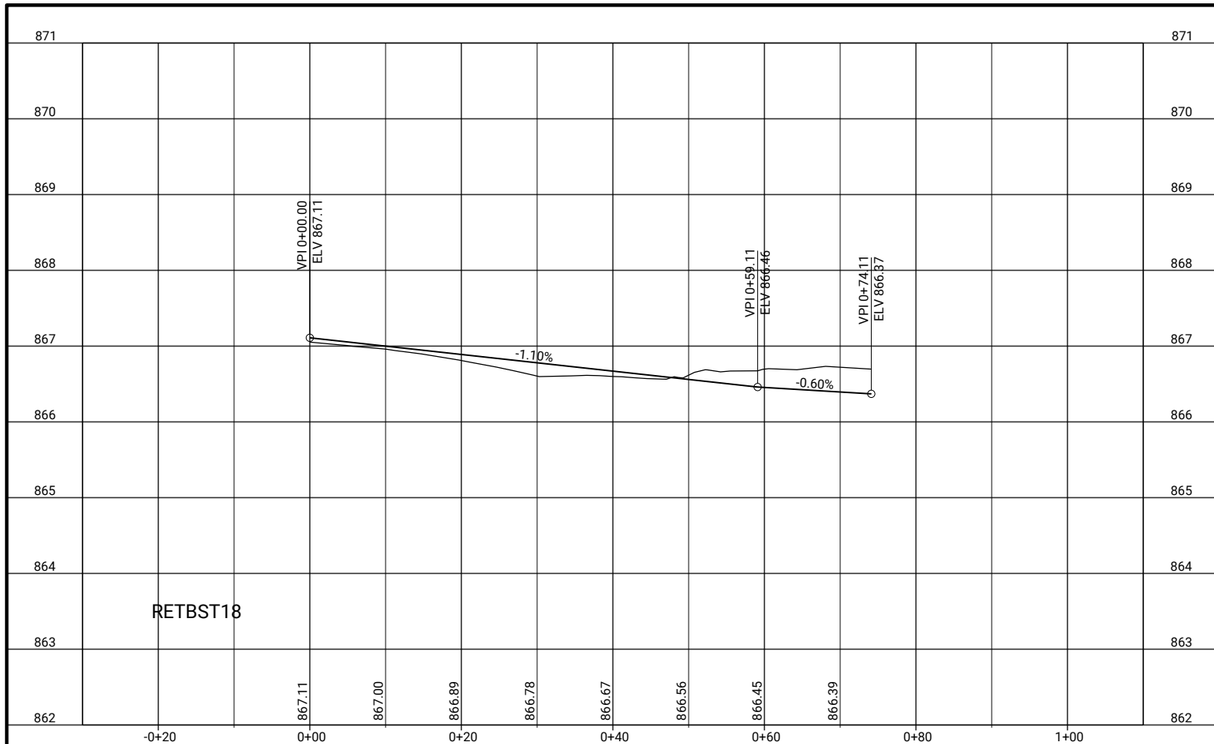

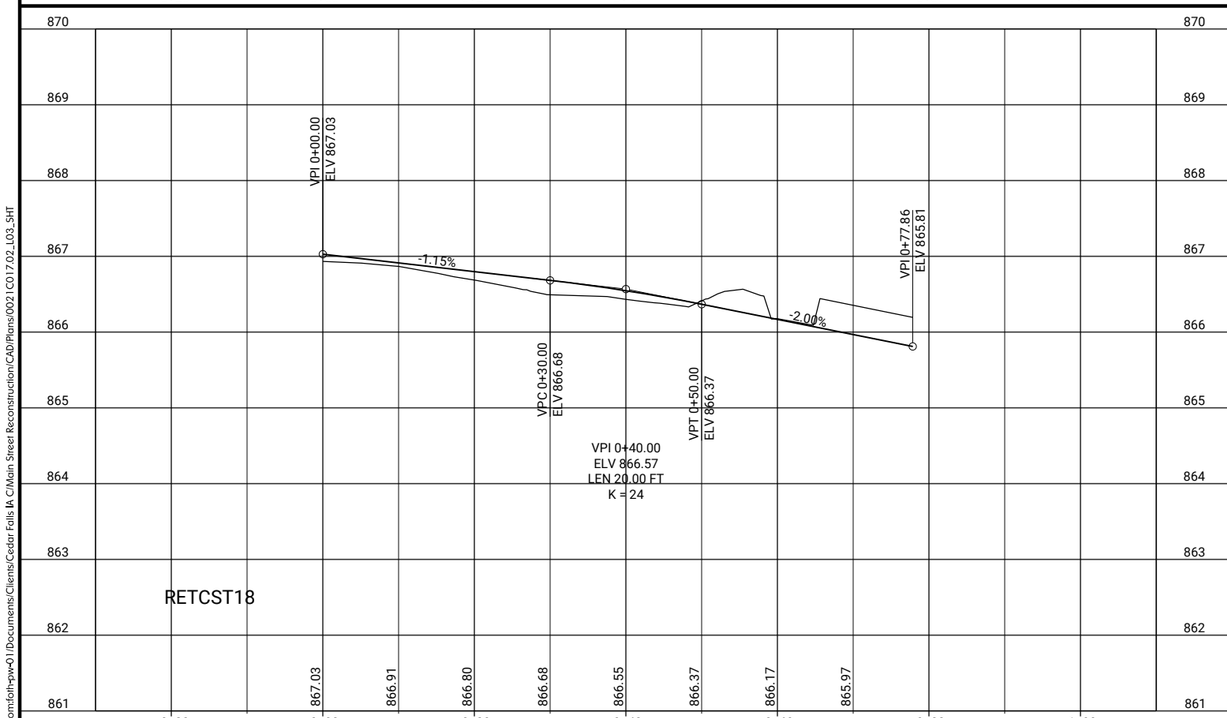

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 00210017.02
DESIGNED BY: T. LECLAIR CHECKED BY: C. CARPER DRAWN BY: T. LECLAIR
LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 4:57:03 PM
CAD FILE: c:\pw_workdir\pw_ie\fvd_amm\d0518375\00210017.02_L03_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

STATE ST AT 18TH STREET
EDGE RETURN PROFILES

SHEET NO.
L.63
STBG-SWAP-1185(657)

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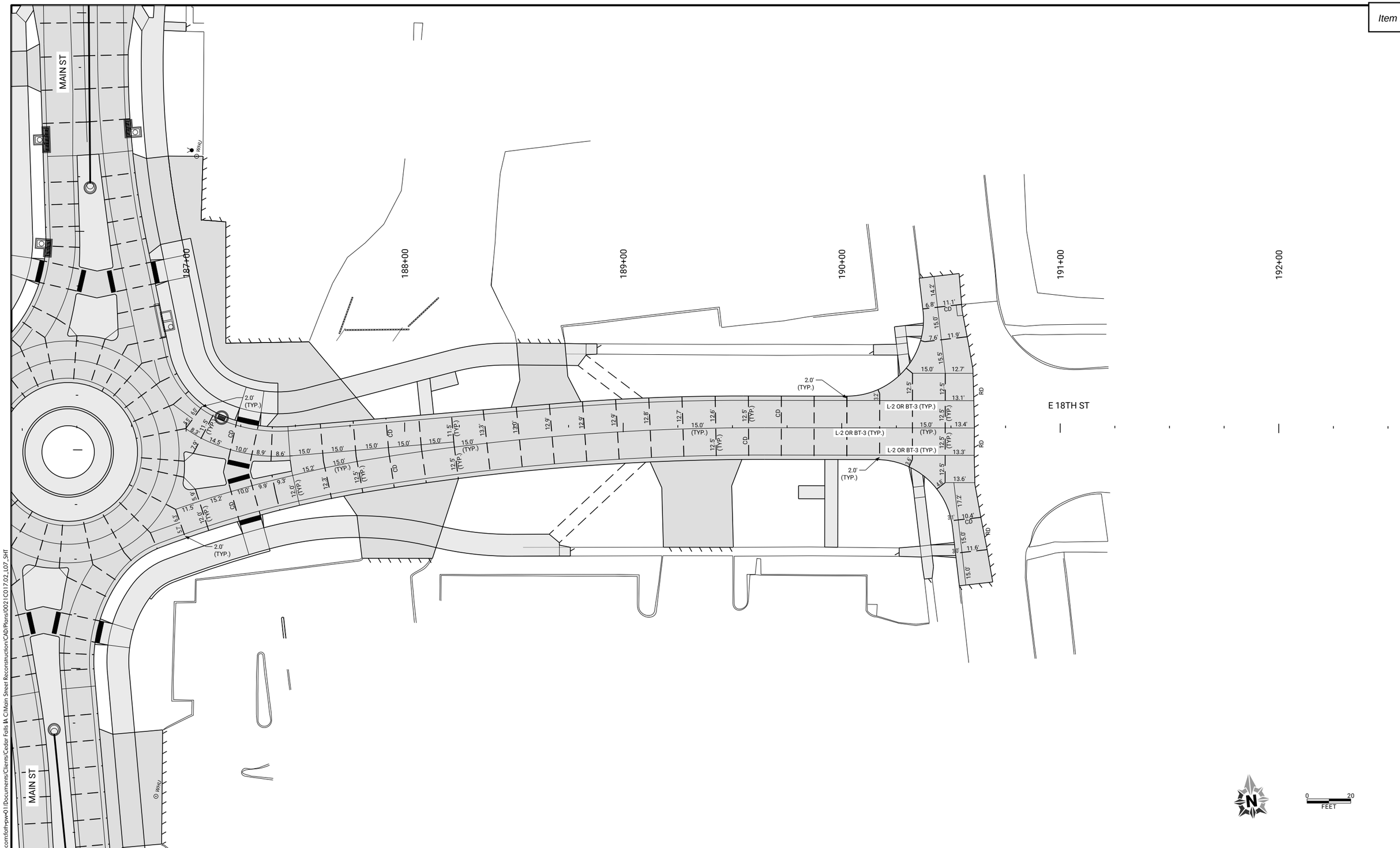


CLIENT PROJECT NO:	STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO:	0021C017.02
DESIGNED BY:	C. CARPER	CHECKED BY:	C. CARPER
DRAWN BY:	T. LECLAIR		
LETTING DATE:	11/15/2022	CAD DATE:	9/1/2022 4:52:07 PM
CAD FILE:	c:\pw_workdir\pw_ie\fvd_amm\d0518375\0021C017.02_L07_SHT.dgn		

NO	DATE	BY	REVISION DESCRIPTION

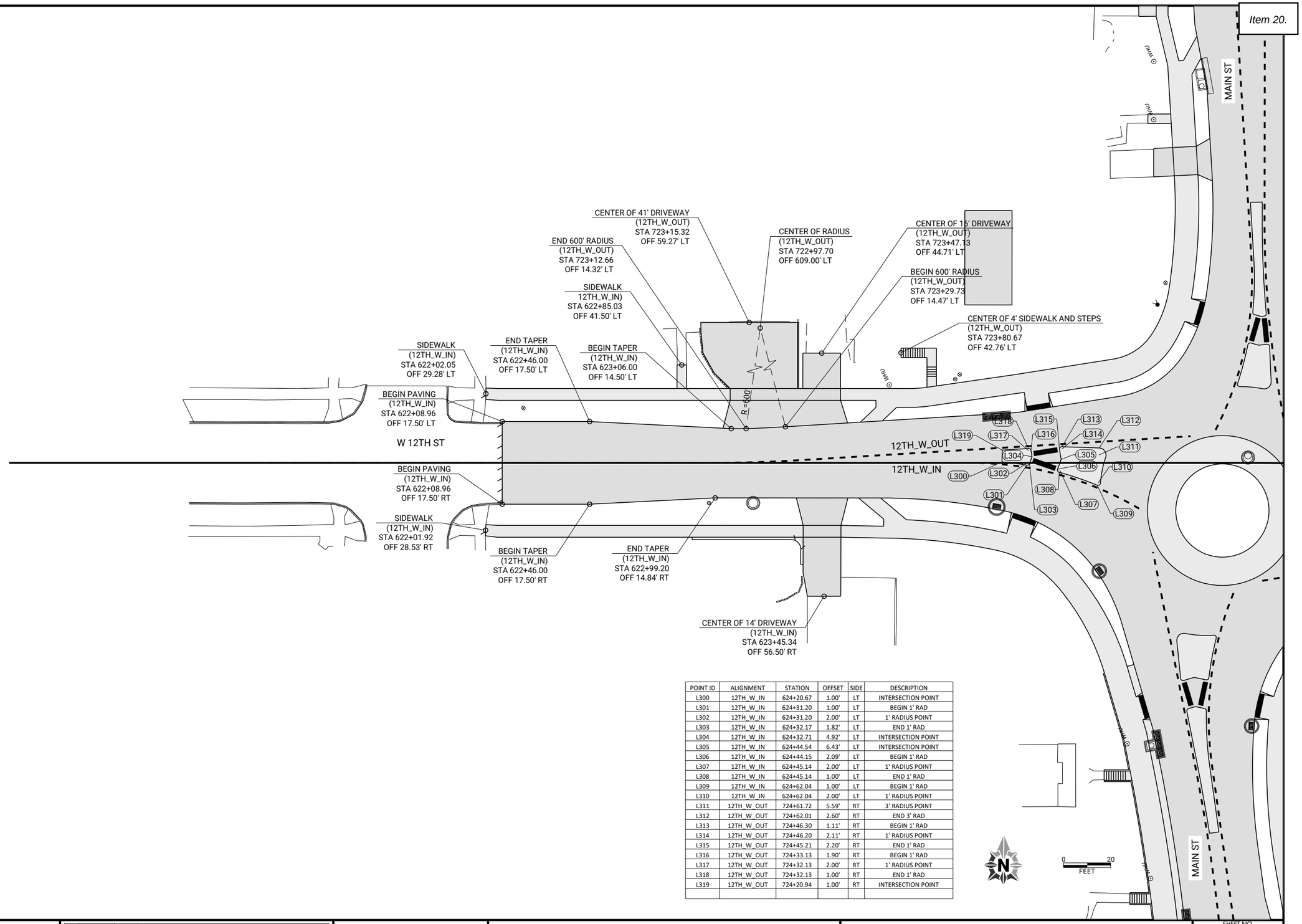
Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

18TH STREET
JOINTING SHEETS

SHEET NO.
L.64

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Falls IA C/Main Street Reconstruction/CAD/Plans/0021C017.02_L07_SHT



POINT ID	ALIGNMENT	STATION	OFFSET	SIDE	DESCRIPTION
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L302	12TH_W_IN	624+31.20	2.00'	LT	1' RADIUS POINT
L303	12TH_W_IN	624+32.17	1.82'	LT	END 1' RAD
L304	12TH_W_IN	624+32.71	4.92'	LT	INTERSECTION POINT
L305	12TH_W_IN	624+44.54	6.43'	LT	INTERSECTION POINT
L306	12TH_W_IN	624+44.15	2.09'	LT	BEGIN 1' RAD
L307	12TH_W_IN	624+45.14	2.00'	LT	1' RADIUS POINT
L308	12TH_W_IN	624+45.14	1.00'	LT	END 1' RAD
L309	12TH_W_IN	624+62.04	1.00'	LT	BEGIN 1' RAD
L310	12TH_W_IN	624+62.04	2.00'	LT	1' RADIUS POINT
L311	12TH_W_OUT	724+61.72	5.59'	RT	3' RADIUS POINT
L312	12TH_W_OUT	724+62.01	2.60'	RT	END 3' RAD
L313	12TH_W_OUT	724+46.30	1.11'	RT	BEGIN 1' RAD
L314	12TH_W_OUT	724+46.20	2.11'	RT	1' RADIUS POINT
L315	12TH_W_OUT	724+45.21	2.20'	RT	END 1' RAD
L316	12TH_W_OUT	724+33.13	1.90'	RT	BEGIN 1' RAD
L317	12TH_W_OUT	724+32.13	2.00'	RT	1' RADIUS POINT
L318	12TH_W_OUT	724+32.13	1.00'	RT	END 1' RAD
L319	12TH_W_OUT	724+20.94	1.00'	RT	INTERSECTION POINT

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: C. CARPER CHECKED BY: C. CARPER DRAWN BY: T. LECLAIR
LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 4:43:30 PM
CAD FILE: c:\pw_workdir\pw_ie\ttl\d0518375\0021C017.02_L05_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

12TH STREET
GEOMETRIC DETAIL SHEETS

SHEET NO.
L.65
STBG-SWAP-1185(657

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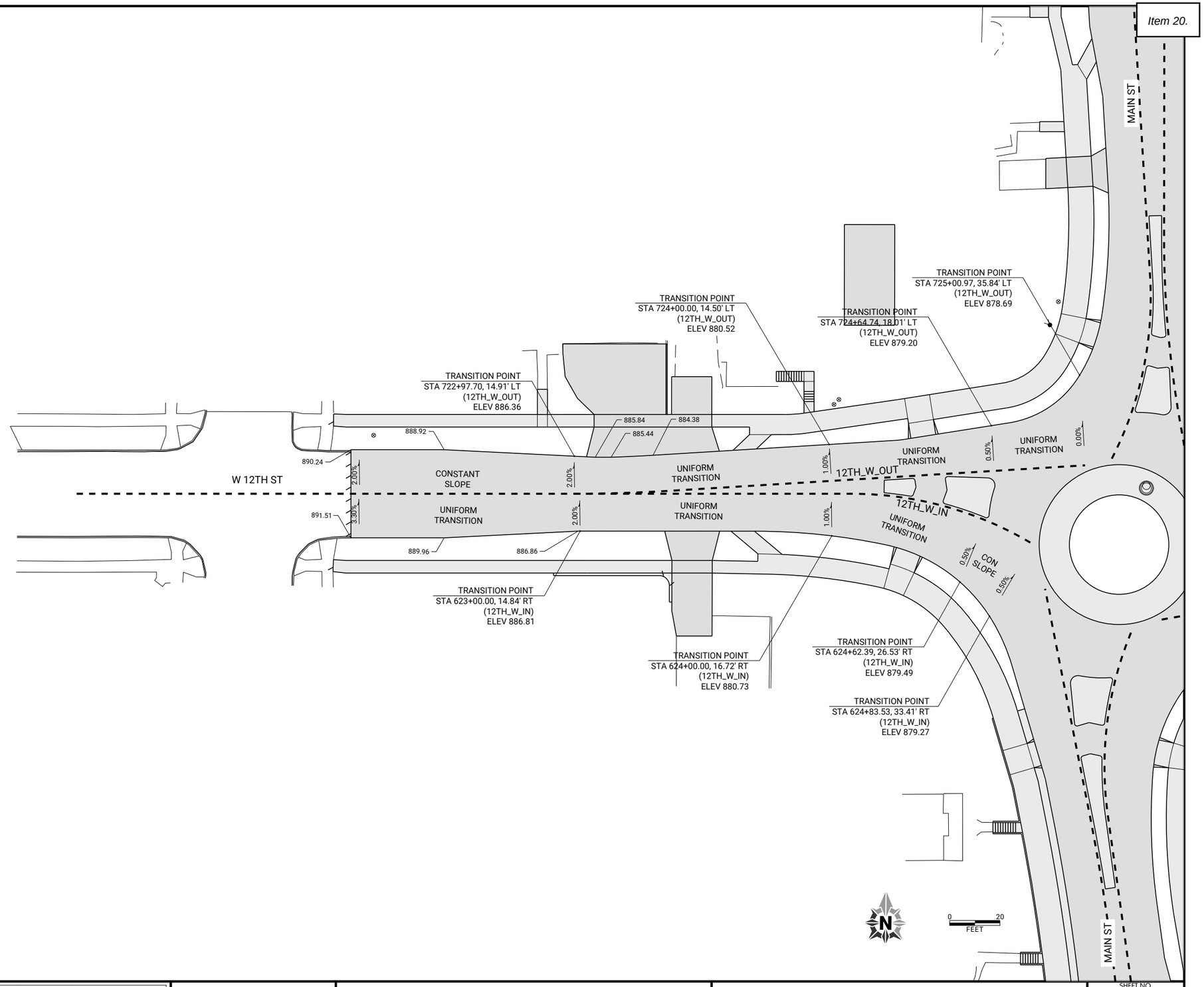

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

12TH STREET
STAKING DETAIL SHEETS

SHEET NO.
L.66

STBG-SWAP-1185(657

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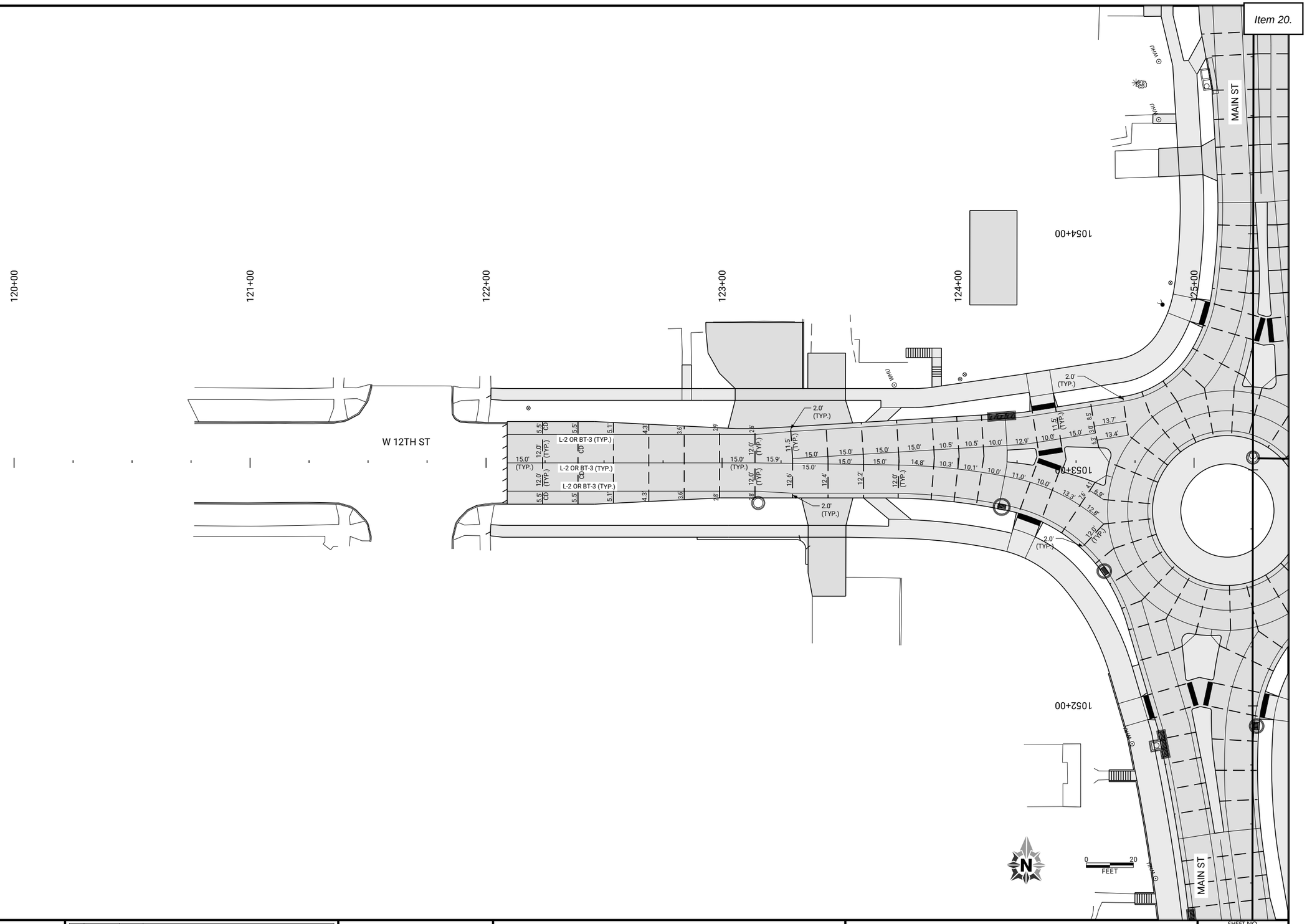

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

12TH STREET
JOINTING SHEETS

SHEET NO.
L.67

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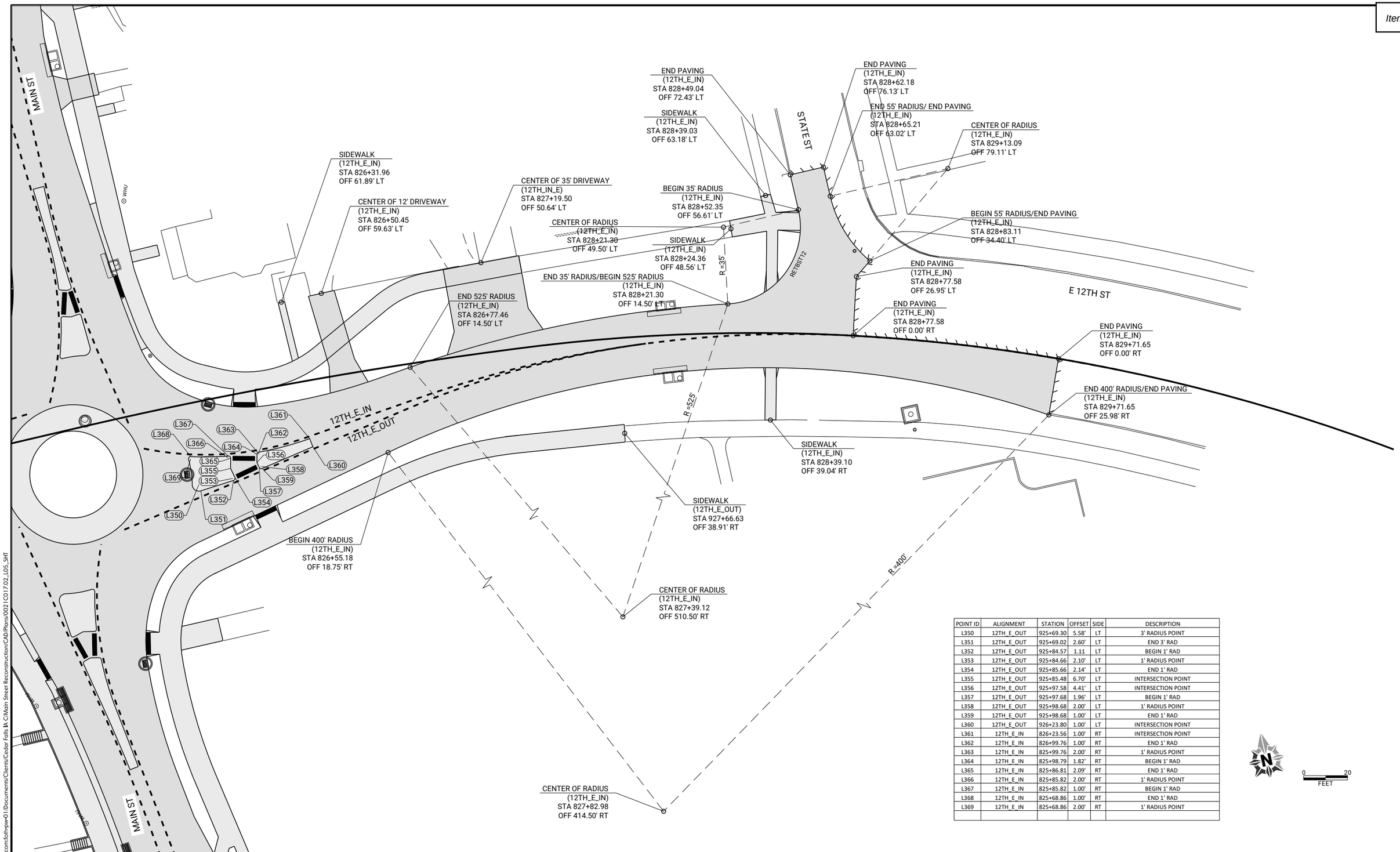

POINT ID	ALIGNMENT	STATION	OFFSET	SIDE	DESCRIPTION
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L353	12TH_E_OUT	925+84.66	2.10'	LT	1' RADIUS POINT
L354	12TH_E_OUT	925+85.66	2.14'	LT	END 1' RAD
L355	12TH_E_OUT	925+85.48	6.70'	LT	INTERSECTION POINT
L356	12TH_E_OUT	925+97.58	4.41'	LT	INTERSECTION POINT
L357	12TH_E_OUT	925+97.68	1.96'	LT	BEGIN 1' RAD
L358	12TH_E_OUT	925+98.68	2.00'	LT	1' RADIUS POINT
L359	12TH_E_OUT	925+98.68	1.00'	LT	END 1' RAD
L360	12TH_E_OUT	926+23.80	1.00'	LT	INTERSECTION POINT
L361	12TH_E_IN	826+23.56	1.00'	RT	INTERSECTION POINT
L362	12TH_E_IN	826+99.76	1.00'	RT	END 1' RAD
L363	12TH_E_IN	825+99.76	2.00'	RT	1' RADIUS POINT
L364	12TH_E_IN	825+98.79	1.82'	RT	BEGIN 1' RAD
L365	12TH_E_IN	825+86.81	2.09'	RT	END 1' RAD
L366	12TH_E_IN	825+85.82	2.00'	RT	1' RADIUS POINT
L367	12TH_E_IN	825+85.82	1.00'	RT	BEGIN 1' RAD
L368	12TH_E_IN	825+68.86	1.00'	RT	END 1' RAD
L369	12TH_E_IN	825+68.86	2.00'	RT	1' RADIUS POINT

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: C. CARPER CHECKED BY: C. CARPER DRAWN BY: T. LECLAIR
LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 4:43:31 PM
CAD FILE: c:\pw_workdir\pw_ie\ttl\d0518375\0021C017.02_L05_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

12TH STREET
GEOMETRIC DETAIL SHEETS

SHEET NO.
L.68
STBG-SWAP-1185(657

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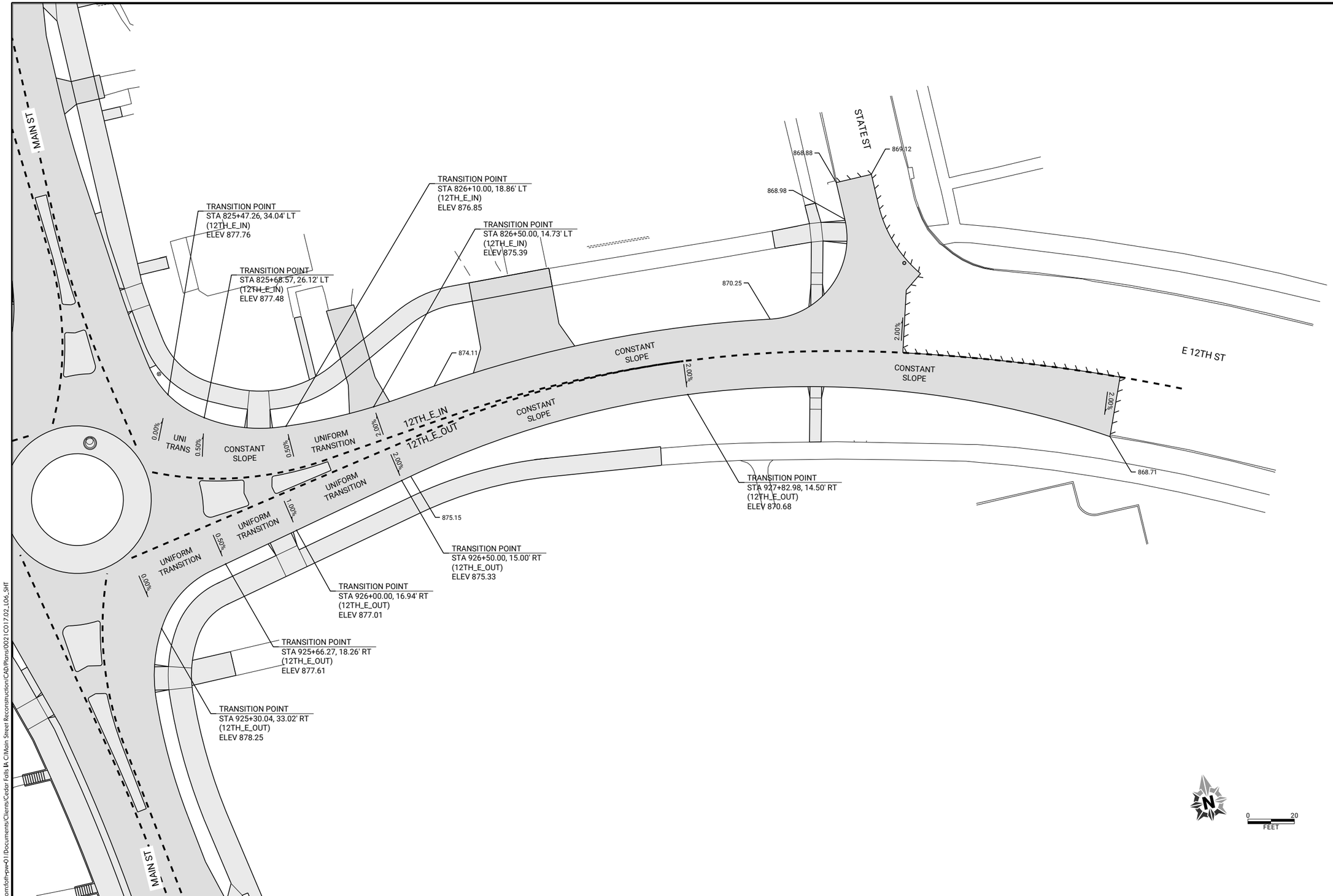

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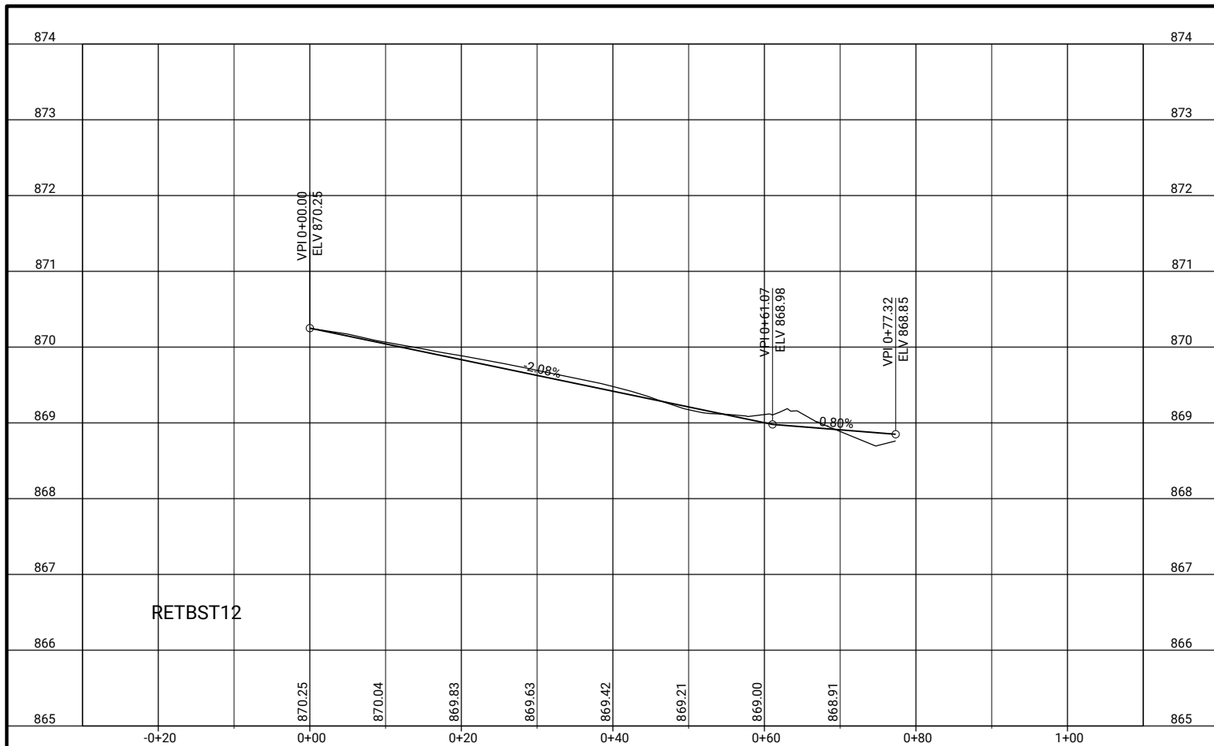
NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

12TH STREET
STAKING DETAIL SHEETS

SHEET NO.
L.69



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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

STATE ST AT 12TH STREET
EDGE RETURN PROFILES

SHEET NO.
L.70
STBG-SWAP-1185(657)

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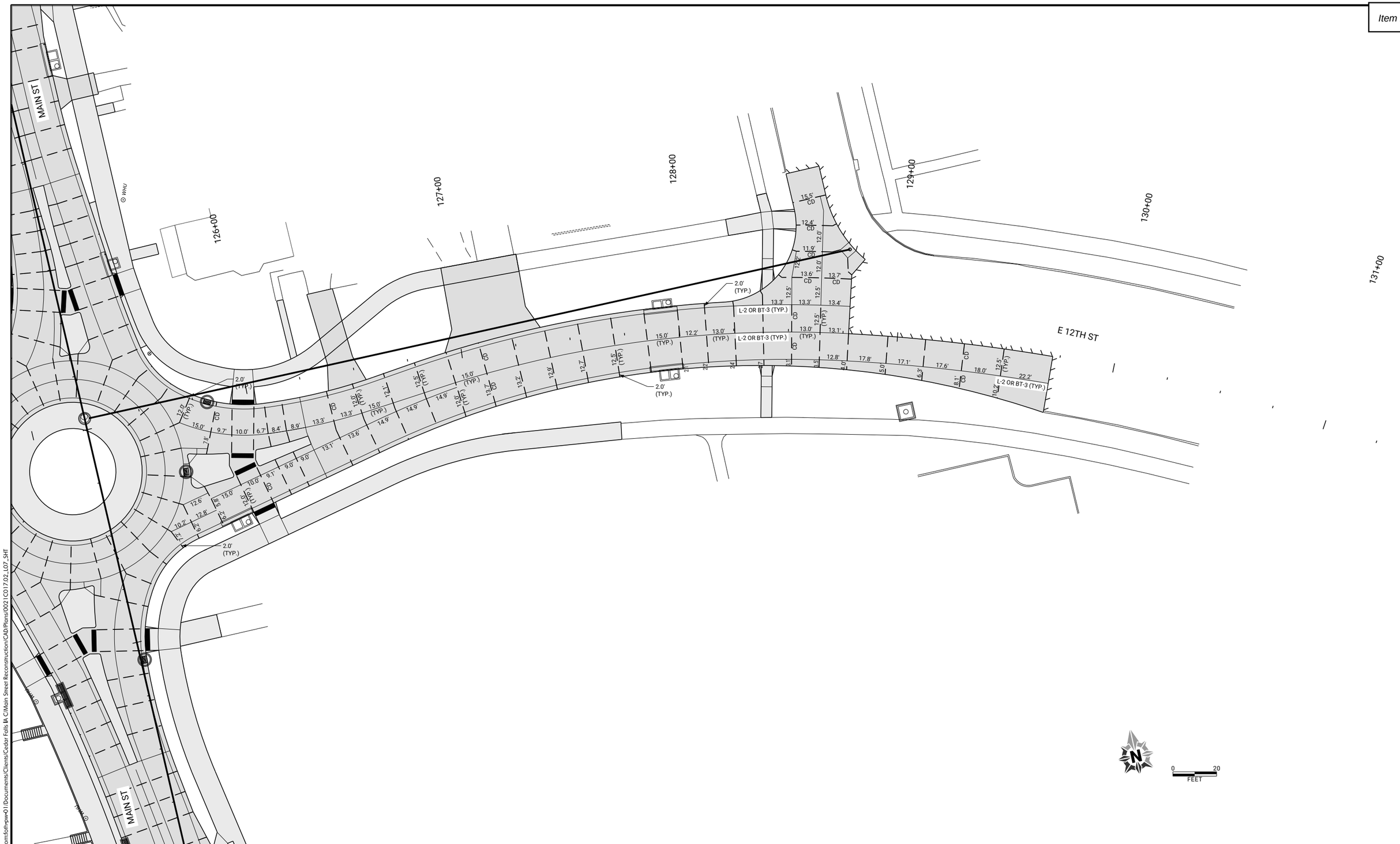

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

12TH STREET
JOINTING SHEETS

SHEET NO.
L.71

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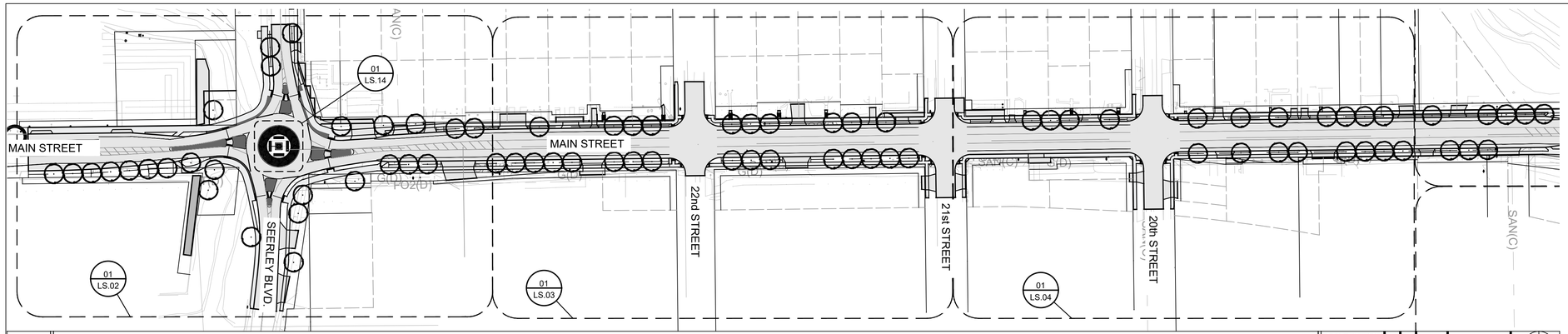
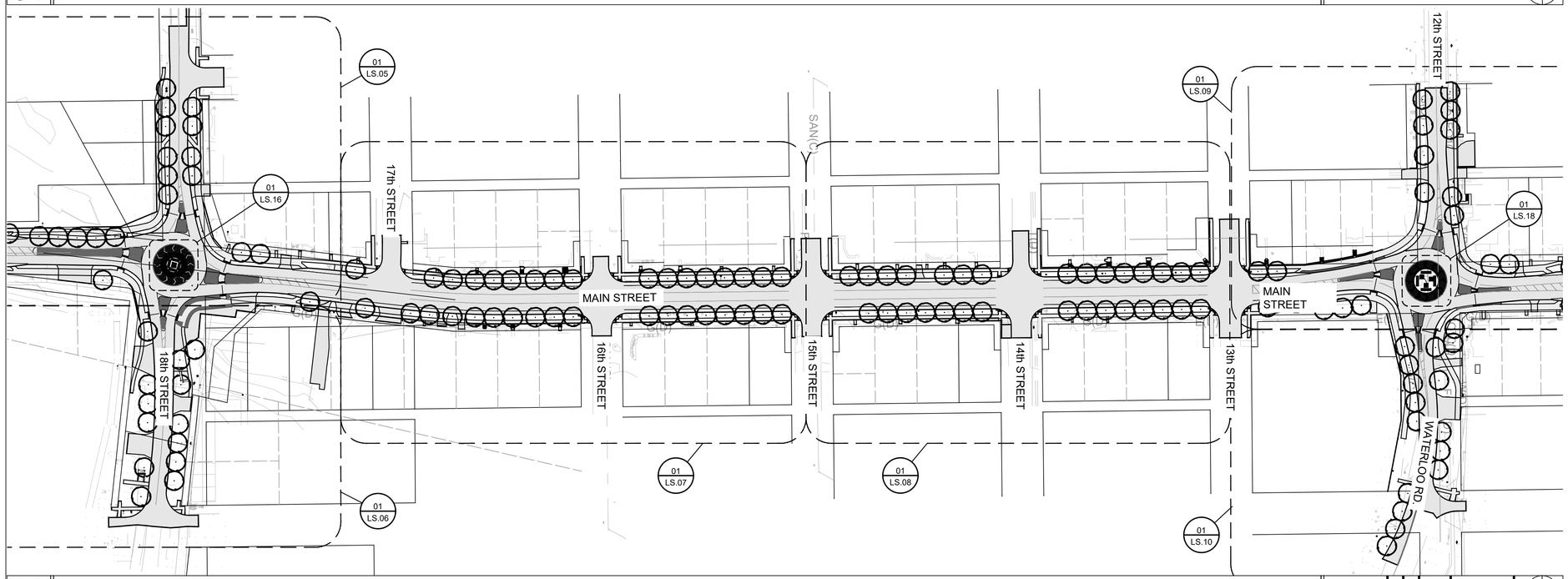
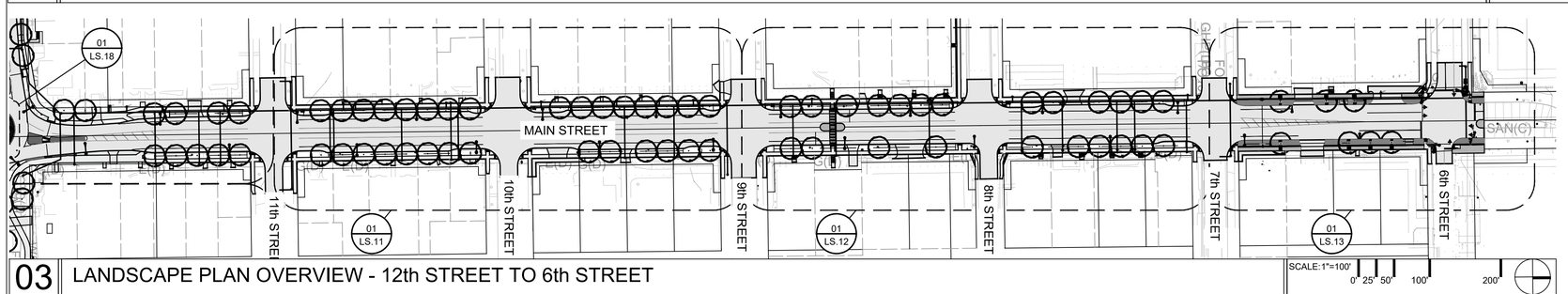


01 LANDSCAPE PLAN OVERVIEW - SEERLEY BOULEVARD TO 20th STREET



02 LANDSCAPE PLAN OVERVIEW - 18th STREET TO 12th STREET



03 LANDSCAPE PLAN OVERVIEW - 12th STREET TO 6th STREET

LANDSCAPE NOTES:

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E. STAKE OR PLACE ALL PLANTS IN FIELD AS INDICATED ON THE DRAWINGS OR AS DIRECTED BY THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO PLANTING.

F. PROVIDE A MINIMUM OF 48 HOURS NOTICE FOR APPROVAL OF PLANT LAYOUT AND SAMPLE TREE PLANTINGS.

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J. SEE SPECIFICATIONS FOR PLANT MAINTENANCE AND WARRANTY REQUIREMENTS.

STATE OF IOWA
PATRICK R. ALVORD
LANDSCAPE ARCHITECT
NO. 577
LICENSED LANDSCAPE ARCHITECT

LICENSE EXPIRES:
JUNE 30, 2024

I HEREBY CERTIFY THAT THE PORTION OF THIS TECHNICAL SUBMISSION DESCRIBED BELOW WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND RESPONSIBLE CHARGE. I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF IOWA.

PATRICK R. ALVORD — IOWA REGISTRATION #577 — 9/1/2022 DATE

PAGES OR SHEETS COVERED BY THIS SEAL: LS.01-LS.30

STREET TREE SCHEDULE

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	SPACING & REMARKS
OVERSTORY TREES						
CS	12	Catalpa specioso	CATALPA	2" CAL.	B&B	SPECIMEN QUALITY
CO	28	Celtis occidentalis	HACKBERRY	2" CAL.	B&B	SPECIMEN QUALITY
GB	26	Ginkgo biloba 'Princeton Sentry'	PRINCETON SENTRY GINKGO	2" CAL.	B&B	SPECIMEN QUALITY
GT	33	Gleditsia triacanthos f. inermis 'Skyline'	SKYLINE HONEY LOCUST	2" CAL.	B&B	SPECIMEN QUALITY
KC	26	Gymnocladus dioica	KENTUCKY COFFEE TREE	2" CAL.	B&B	SPECIMEN QUALITY
TT	29	Liriodendron tulipenifera	TULIPTREE	2" CAL.	B&B	SPECIMEN QUALITY
PA	13	Platanus × acerifolia	LONDON PLANE TREE	2" CAL.	B&B	SPECIMEN QUALITY
QB	25	Quercus bicolor	SWAMP WHITE OAK	2" CAL.	B&B	SPECIMEN QUALITY
QM	18	Quercus macrocarpa	BUR OAK	2" CAL.	B&B	SPECIMEN QUALITY
QR	26	Quercus rubra	RED OAK	2" CAL.	B&B	SPECIMEN QUALITY
TD	7	Taxodium distichum var. distichum	BALDCYPRESS	2" CAL.	B&B	SPECIMEN QUALITY
FE	33	Ulmus 'Frontier'	FRONTIER ELM	2" CAL.	B&B	SPECIMEN QUALITY

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO:0021C017.02
DESIGNED BY: C.CARPER CHECKED BY: C.CARPER DRAWN BY: B.SANDELL
LETTING DATE: 11/15/2022 CAD DATE:
CAD FILE:

NO	DATE	BY	REVISION DESCRIPTION

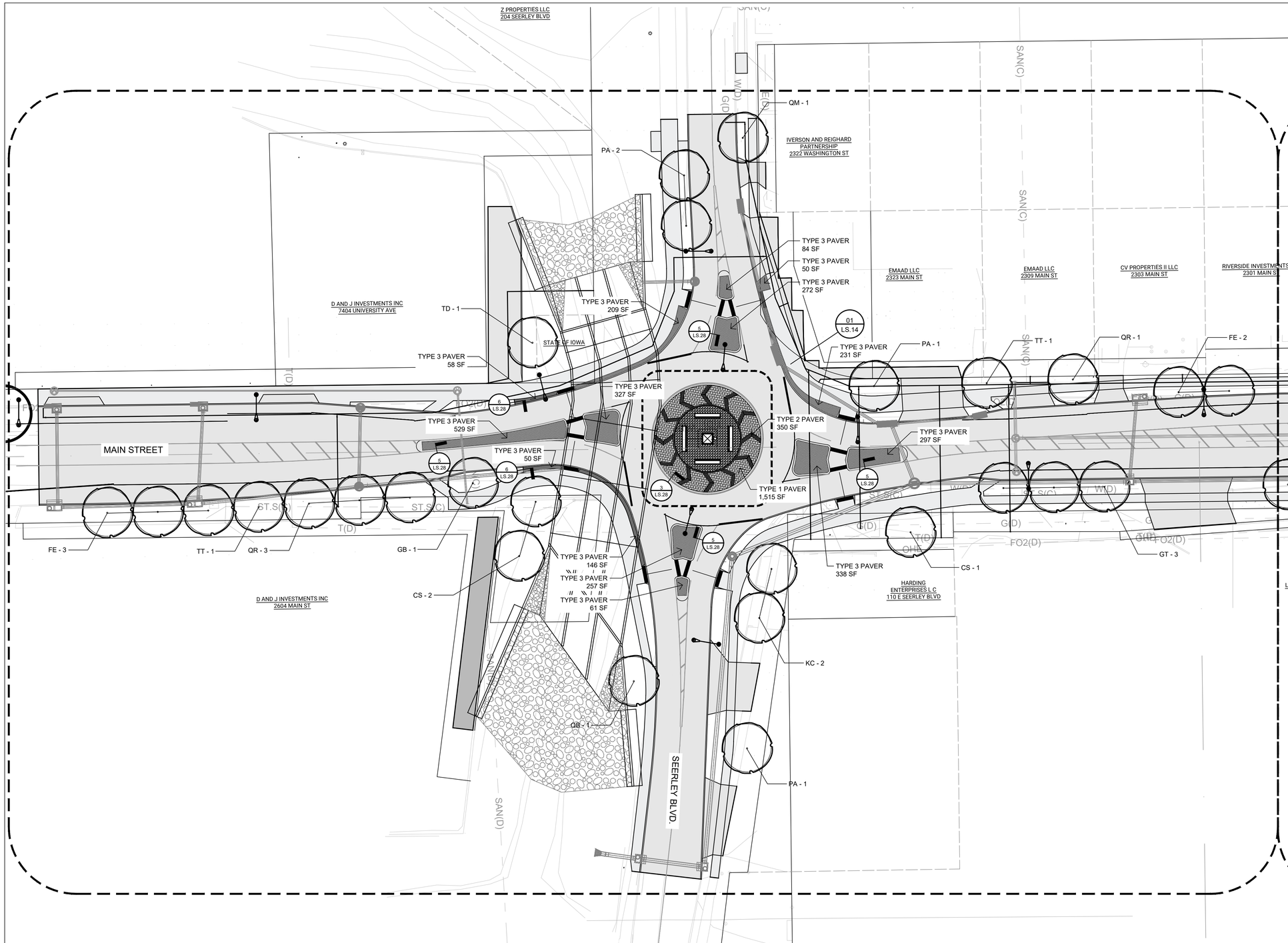
Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

LANDSCAPE OVERVIEW PLANS

SHEET NO.
LS.01

STBG-SWAP-1185(657)--SG-07



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TYPE 1 - ACCENT PAVERS AT TRUCK APRON
SEE DETAIL 2/LS.28
UNI-LOCK HOLLANDSTONE PREMIER
COLOR: RUSTIC RED, 20cm x 10cm x 8cm
PATTERN: ANGLED HERRINGBONE

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01 LANDSCAPE PLAN

SCALE: 1"=30' 0' 7.5' 15' 30' 60'

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: C.CARPER CHECKED BY: C.CARPER DRAWN BY: B.SANDELL
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CEDAR FALLS, IA

LANDSCAPE PLAN

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LS.02
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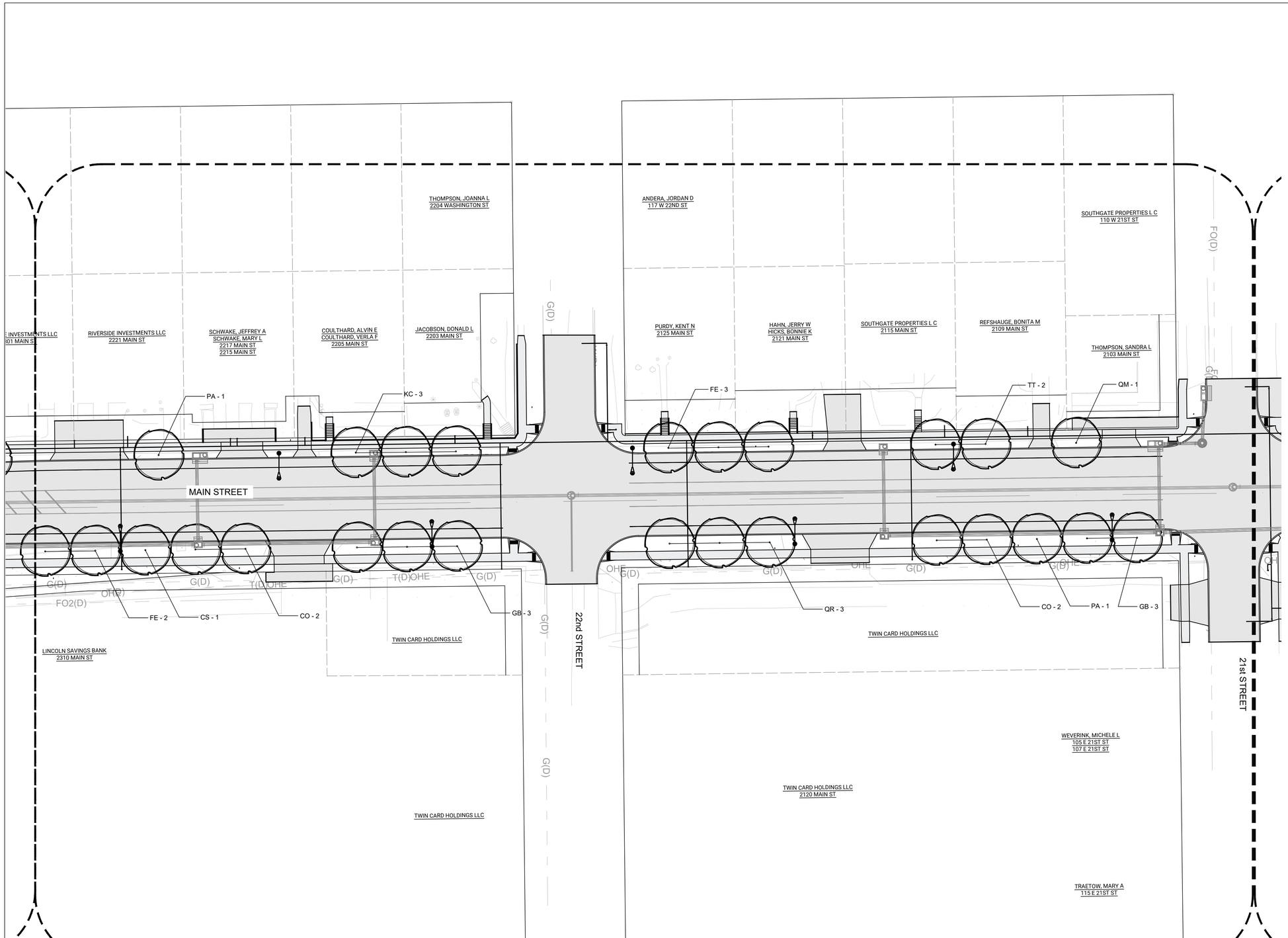

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DESIGNED BY: C.CARPER CHECKED BY: C.CARPER DRAWN BY: B.SANDELL
LETTING DATE: 11/15/2022 CAD DATE:
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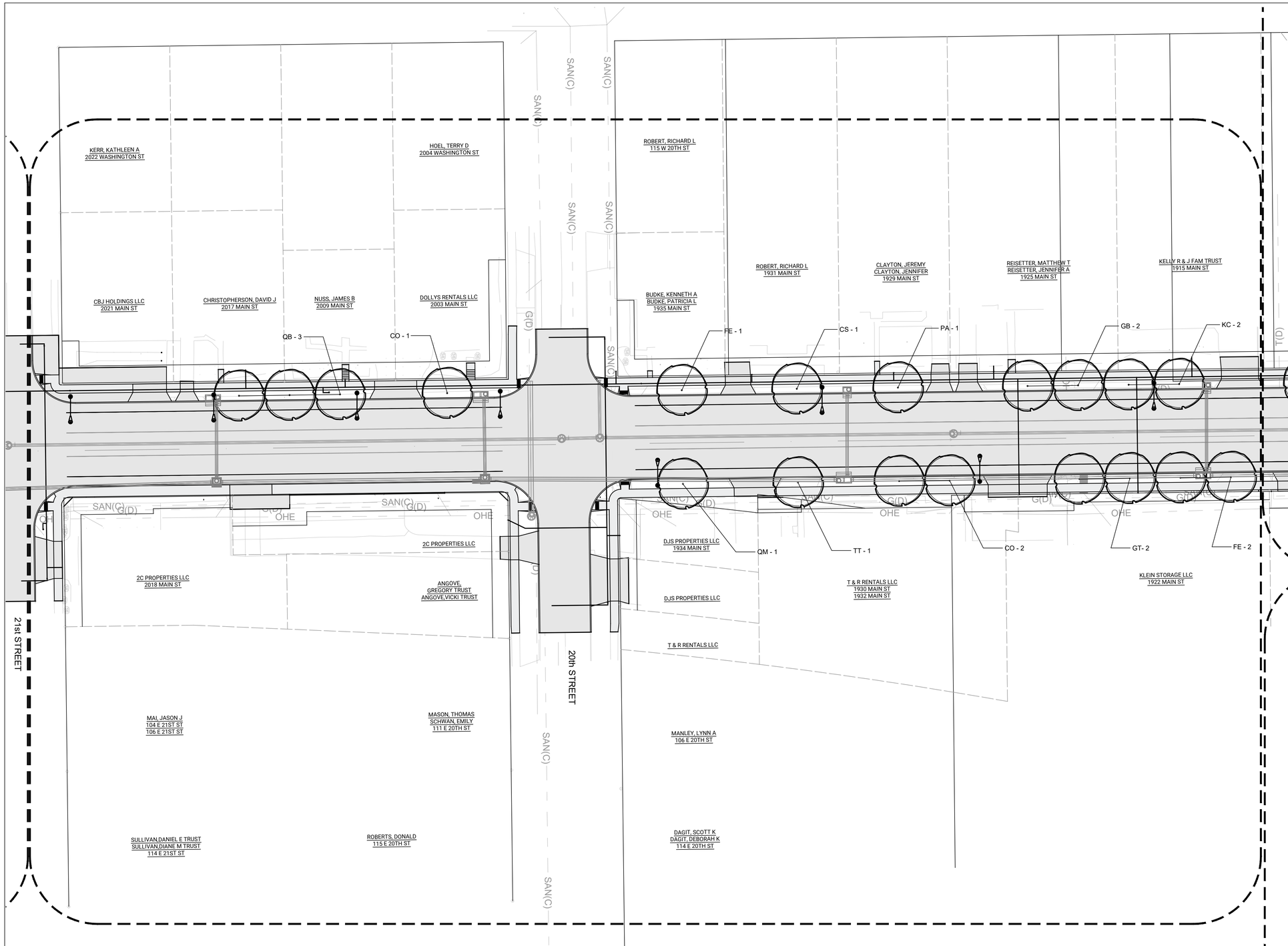
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

LANDSCAPE PLAN

SHEET NO.
LS.03
STBG-SWAP-1185(657)--SG-07



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DESIGNED BY: C.CARPER CHECKED BY: C.CARPER DRAWN BY: B.SANDELL
LETTING DATE: 11/15/2022 CAD DATE:
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MAIN STREET RECONSTRUCTION
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CEDAR FALLS, IA

LANDSCAPE PLAN

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LS.04
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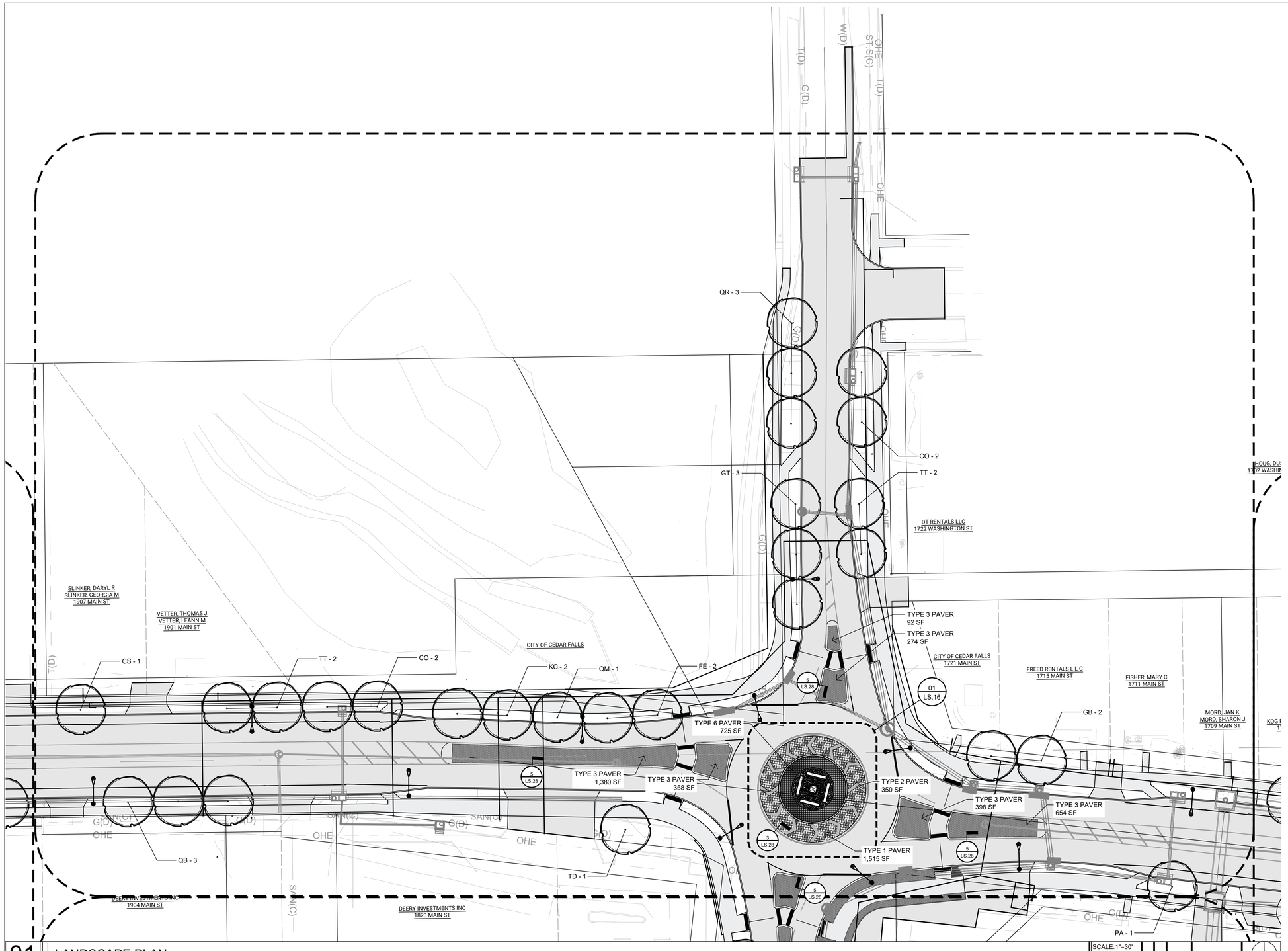

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SEE DETAIL 2/LS.28
UNI-LOCK HOLLANDSTONE PREMIER
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TYPE 8 - PAVERS AT 18th RAB INNER TRUCK APRON
SEE DETAIL 2/LS.28
BELDEN SQUARE BRICK/PAVER SIDEWALK
WITH GRANULAR BASE
COLOR: CARBON BLACK BLEND (50%),
SIENNA BLEND (50%), SIZE: 8X8
PATTERN: SQUARE GRID

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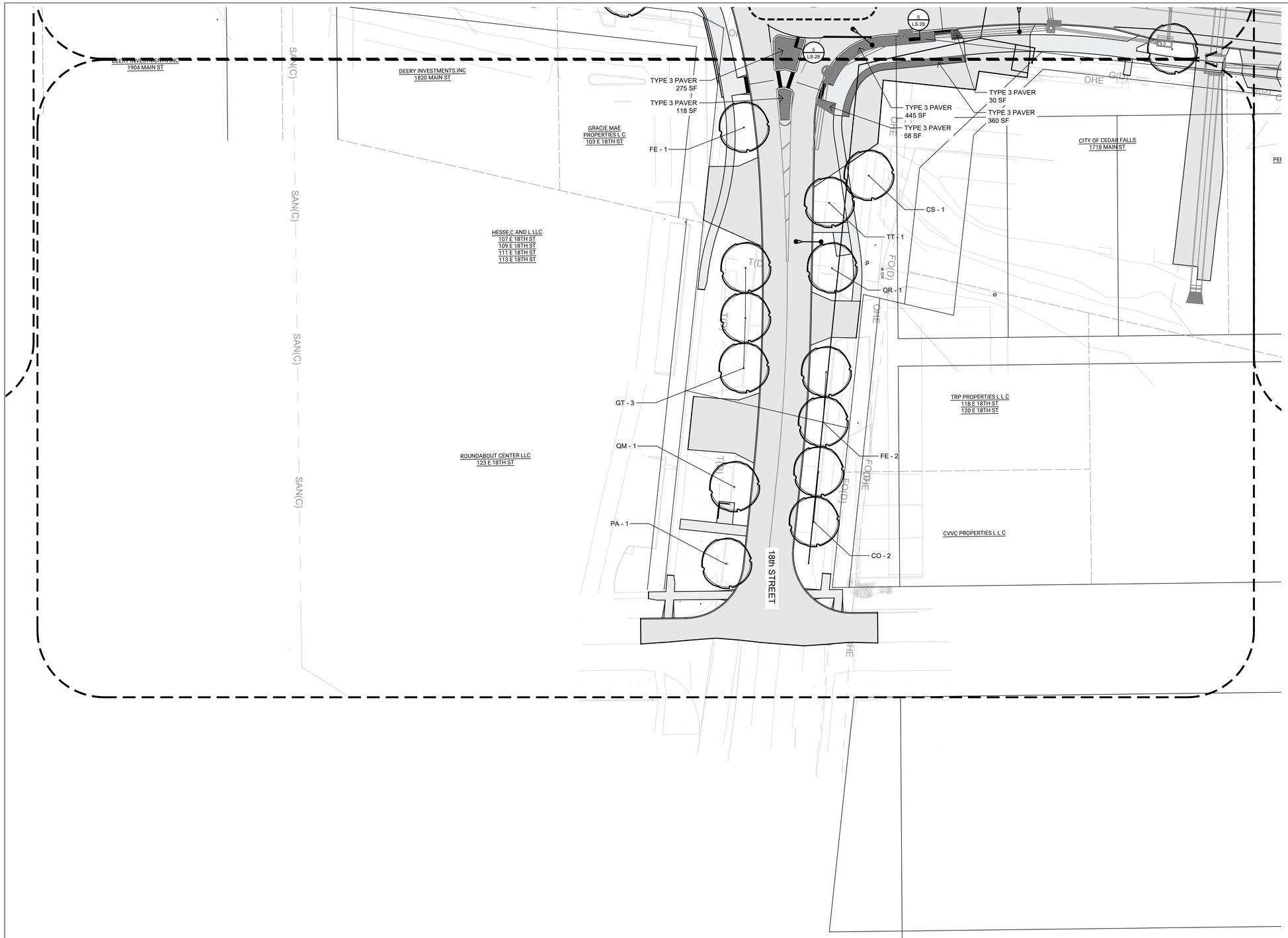

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CEDAR FALLS, IA

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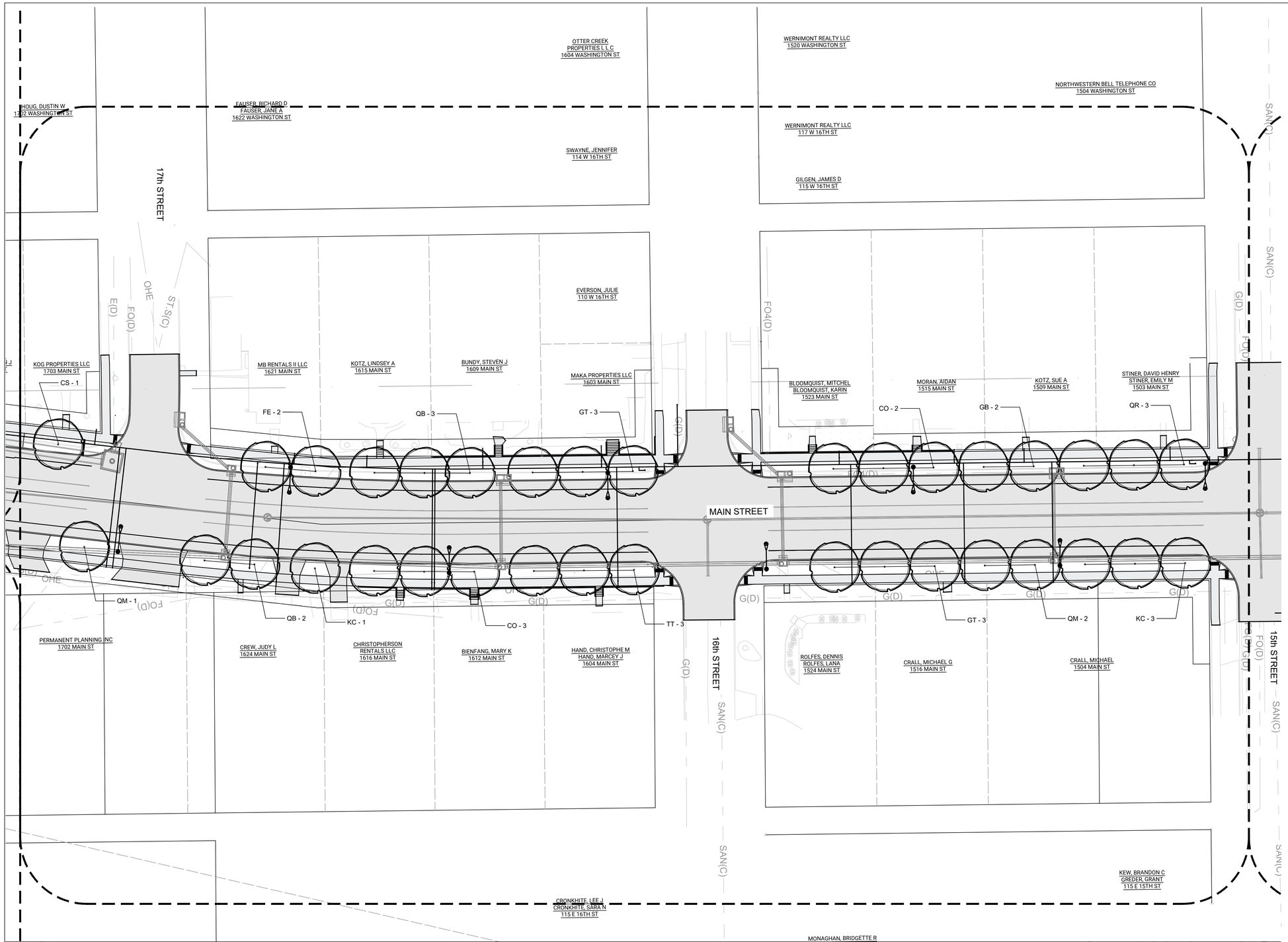

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C. SUBSTITUTIONS SHALL ONLY BE ALLOWED WHEN THE CONTRACTOR HAS EXHAUSTED ALL SOURCES FOR THE SPECIFIED MATERIAL, AND HAS PROVEN THAT THE SPECIFIED MATERIAL IS NOT AVAILABLE. THE CONTRACTOR MUST PROVIDE NAME AND VARIETY OF SUBSTITUTION TO THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO TAGGING OR PLANTING. SUBSTITUTIONS SHALL BE NEAREST EQUIVALENT SIZE OF VARIETY OF PLANT HAVING SAME ESSENTIAL CHARACTERISTICS.

D. ALL PLANT MATERIAL SHALL BE NURSERY GROWN, SOUND, HEALTHY, VIGOROUS AND FREE FROM INSECTS, DISEASE AND INJURIES, WITH HABIT OF GROWTH THAT IS NORMAL FOR THE SPECIES. SIZES SHALL BE EQUAL TO OR EXCEEDING SIZES INDICATED ON THE PLANT LIST. KIND, SIZE AND QUALITY OF PLANT MATERIAL SHALL CONFORM TO THE AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1), MOST RECENT EDITION.

E. STAKE OR PLACE ALL PLANTS IN FIELD AS INDICATED ON THE DRAWINGS OR AS DIRECTED BY THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO PLANTING.

F. PROVIDE A MINIMUM OF 48 HOURS NOTICE FOR APPROVAL OF PLANT LAYOUT AND SAMPLE TREE PLANTINGS.

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H. SEED ALL AREAS WITHIN CONTRACT LIMITS, NOT COVERED BY PAVING, BUILDINGS, OR PLANTING BEDS, UNLESS OTHERWISE NOTED.

I. CONTRACTOR SHALL PLACE SHREDDED BARK MULCH AROUND ALL TREES AND IN ALL PLANTING BEDS TO A DEPTH OF 3".

J. SEE SPECIFICATIONS FOR PLANT MAINTENANCE AND WARRANTY REQUIREMENTS.

01 LANDSCAPE PLAN

SCALE: 1"=30' 0' 7.5' 15' 30' 60'

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: C.CARPER CHECKED BY: C.CARPER DRAWN BY: B.SANDELL
LETTING DATE: 11/15/2022 CAD DATE:
CAD FILE:

NO	DATE	BY	REVISION DESCRIPTION

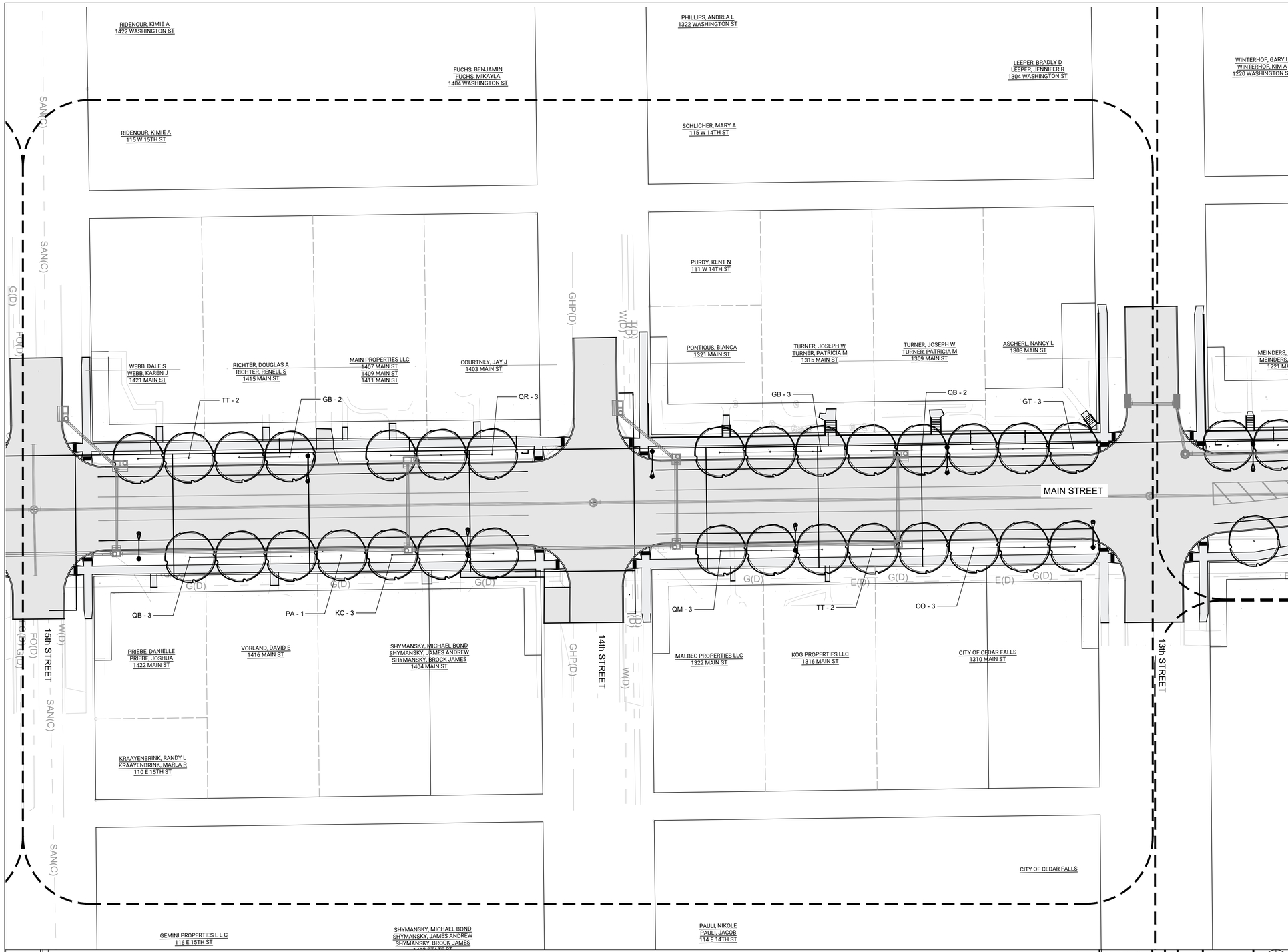
Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

LANDSCAPE PLAN

SHEET NO.
LS.07

STBG-SWAP-1185(657)--SG-07



LANDSCAPE NOTES:

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J. SEE SPECIFICATIONS FOR PLANT MAINTENANCE AND WARRANTY REQUIREMENTS.

01 LANDSCAPE PLAN

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO:0021C017.02
DESIGNED BY: C.CARPER CHECKED BY: C.CARPER DRAWN BY: B.SANDELL
LETTING DATE: 11/15/2022 CAD DATE:
CAD FILE:

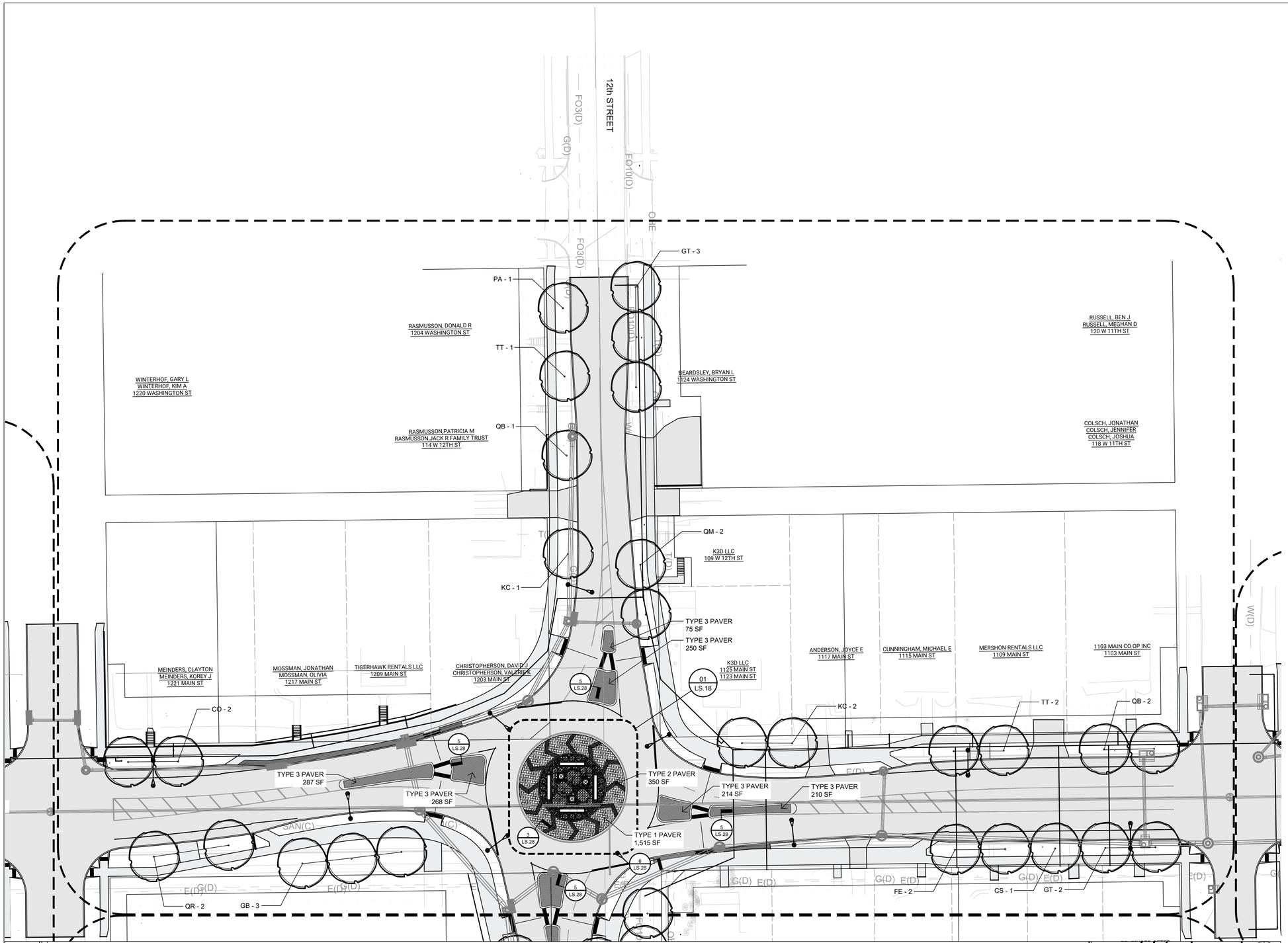
NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

LANDSCAPE PLAN

SHEET NO.
LS.08
STBG-SWAP-1185(657)--SG-07



01 LANDSCAPE PLAN

SCALE:1"=30'
0' 7.5' 15' 30' 60'

LANDSCAPE NOTES:

A. PLANT QUANTITIES IN PLANT SCHEDULE ARE FOR CONVENIENCE ONLY AND ARE NOT GUARANTEED. QUANTITIES ON PLAN WILL PREVAIL IF DISCREPANCIES OCCUR.

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J. SEE SPECIFICATIONS FOR PLANT MAINTENANCE AND WARRANTY REQUIREMENTS.

PAVER TYPE LEGEND

TYPE 1 - ACCENT PAVERS AT TRUCK APRON
SEE DETAIL 2/LS.28
UNI-LOCK HOLLANDSTONE PREMIER
COLOR: RUSTIC RED, 20cm x 10cm x 8cm
PATTERN: ANGLED HERRINGBONE

TYPE 2 - CHEVRON PAVERS AT TRUCK APRON
SEE DETAIL 2/LS.28
UNI-LOCK HOLLANDSTONE PREMIER,
COLOR: GRANITE, 20cm x 10cm x 8cm
PATTERN: STAGGERED RUNNING BOND

TYPE 3 - PAVERS AT SPLITTER ISLANDS
SEE DETAIL 4/LS.28
UNI-LOCK HOLLANDSTONE PREMIER ON GRANULAR BASE
COLOR: RUSTIC RED, 20cm x 10cm x 8cm
PATTERN: ANGLED HERRINGBONE

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO:0021C017.02
DESIGNED BY: C.CARPER CHECKED BY: C.CARPER DRAWN BY: B.SANDELL
LETTING DATE: 11/15/2022 CAD DATE:
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NO	DATE	BY	REVISION DESCRIPTION

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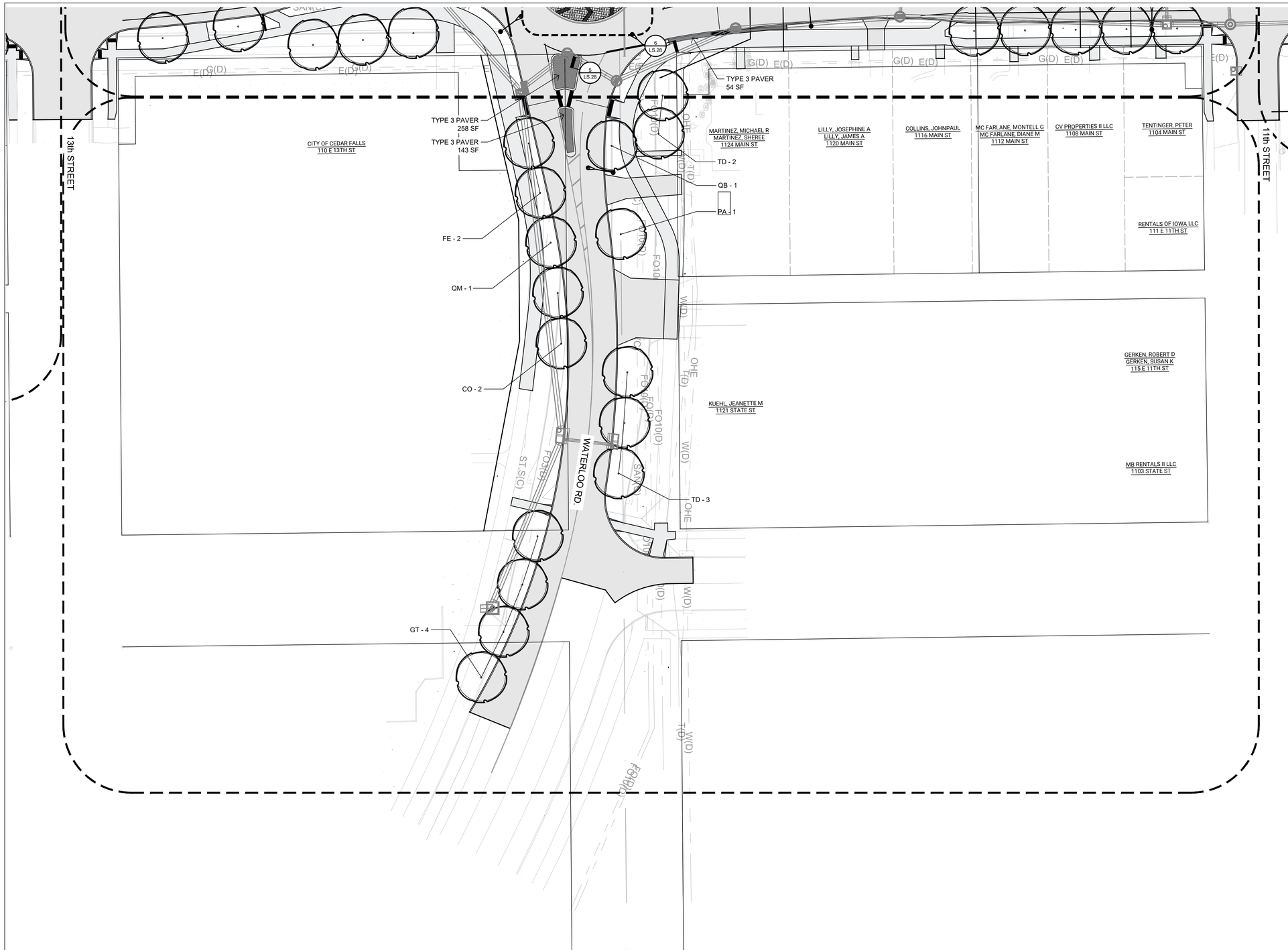
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

LANDSCAPE PLAN

SHEET NO.
LS.09
STBG-SWAP-1185(657)--SG-07



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SEE DETAIL 2/LS.28
UNI-LOCK HOLLANDSTONE PREMIER
COLOR: RUSTIC RED, 20cm x 10cm x 8cm
PATTERN: ANGLED HERRINGBONE

TYPE 2 - CHEVRON PAVERS AT TRUCK APRON
SEE DETAIL 2/LS.28
UNI-LOCK HOLLANDSTONE PREMIER,
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PATTERN: STAGGERED RUNNING BOND

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SEE DETAIL 4/LS.28
UNI-LOCK HOLLANDSTONE PREMIER ON GRANULAR BASE
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01 LANDSCAPE PLAN

SCALE: 1"=30' 0' 7.5' 15' 30' 60'

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: C.CARPER CHECKED BY: C.CARPER DRAWN BY: B.SANDELL
LETTING DATE: 11/15/2022 CAD DATE:
CAD FILE:

NO	DATE	BY	REVISION DESCRIPTION

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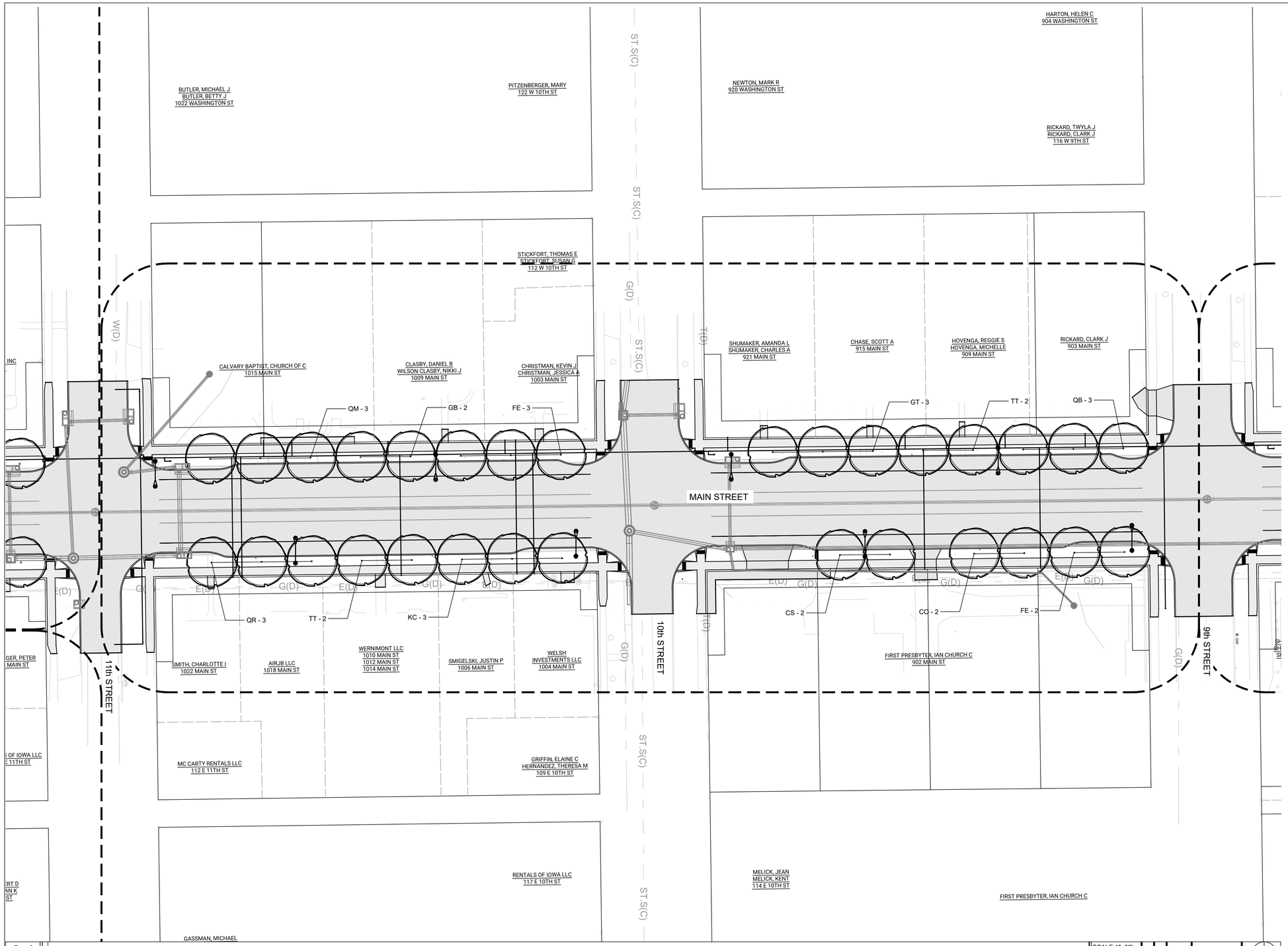
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

LANDSCAPE PLAN

SHEET NO.
LS.10
STBG-SWAP-1185(657)--SG-07



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01 LANDSCAPE PLAN

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO:0021C017.02
DESIGNED BY: C.CARPER CHECKED BY: C.CARPER DRAWN BY: B.SANDELL
LETTING DATE: 11/15/2022 CAD DATE:
CAD FILE:

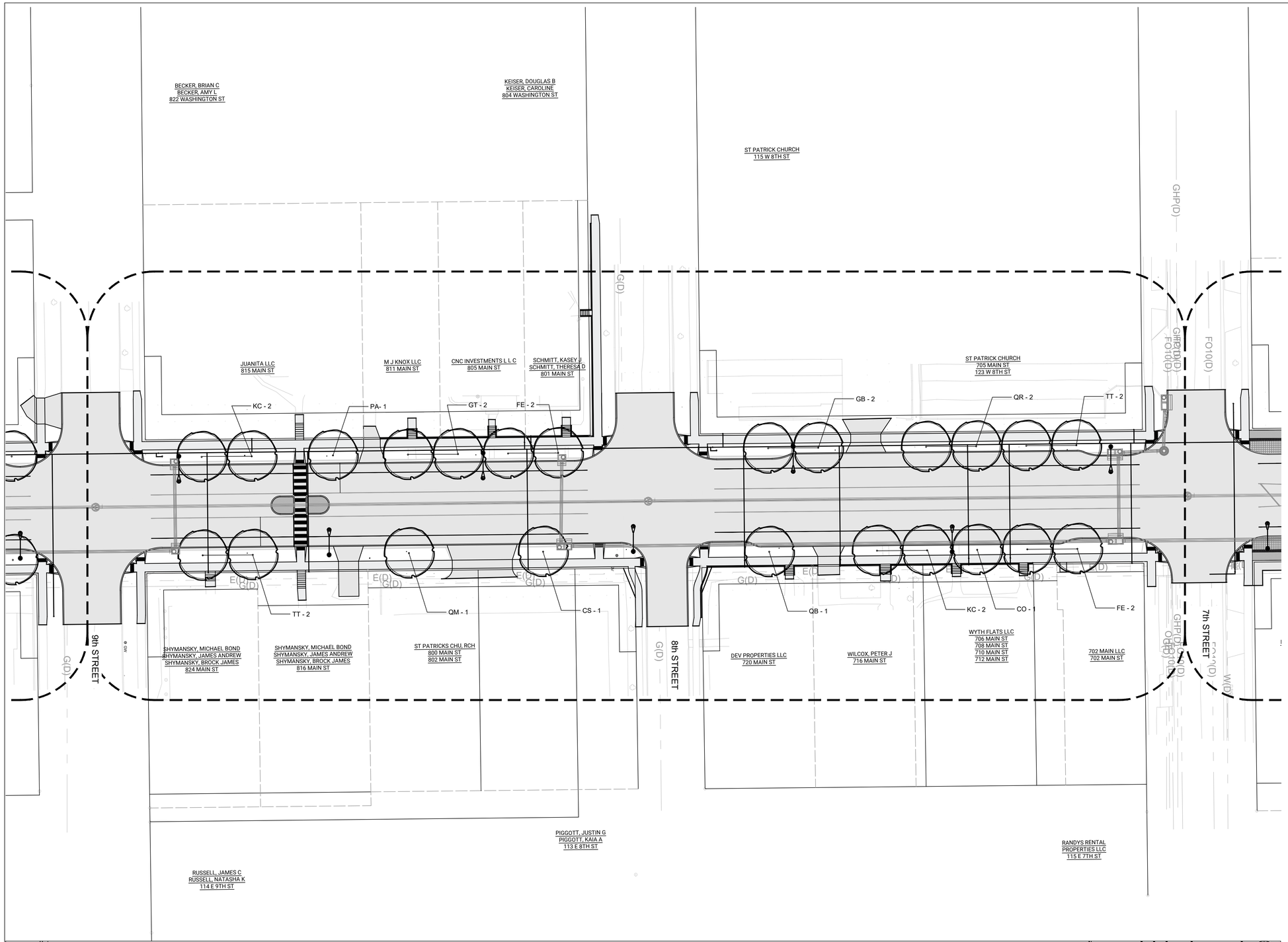
NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

LANDSCAPE PLAN

SHEET NO.
LS.11
STBG-SWAP-1185(657)--SG-07



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PAVER TYPE LEGEND

TYPE 4 - 6TH-7TH STREETSCAPE PAVERS
SEE DETAIL 4/LS.28
BELDEN BRICK REGIMENTAL FULL RANGE BRICK/PAVER
SIDEWALK WITH GRANULAR BASE
COLOR: REGIMENTAL FULL RANGE, SIZE: 4X8
PATTERN: STAGGERED RUNNING BOND

01 LANDSCAPE PLAN

SCALE:1"=30' 0' 7.5' 15' 30' 60'

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO:0021C017.02
DESIGNED BY: C.CARPER CHECKED BY: C.CARPER DRAWN BY: B.SANDELL
LETTING DATE: 11/15/2022 CAD DATE:
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NO	DATE	BY	REVISION DESCRIPTION

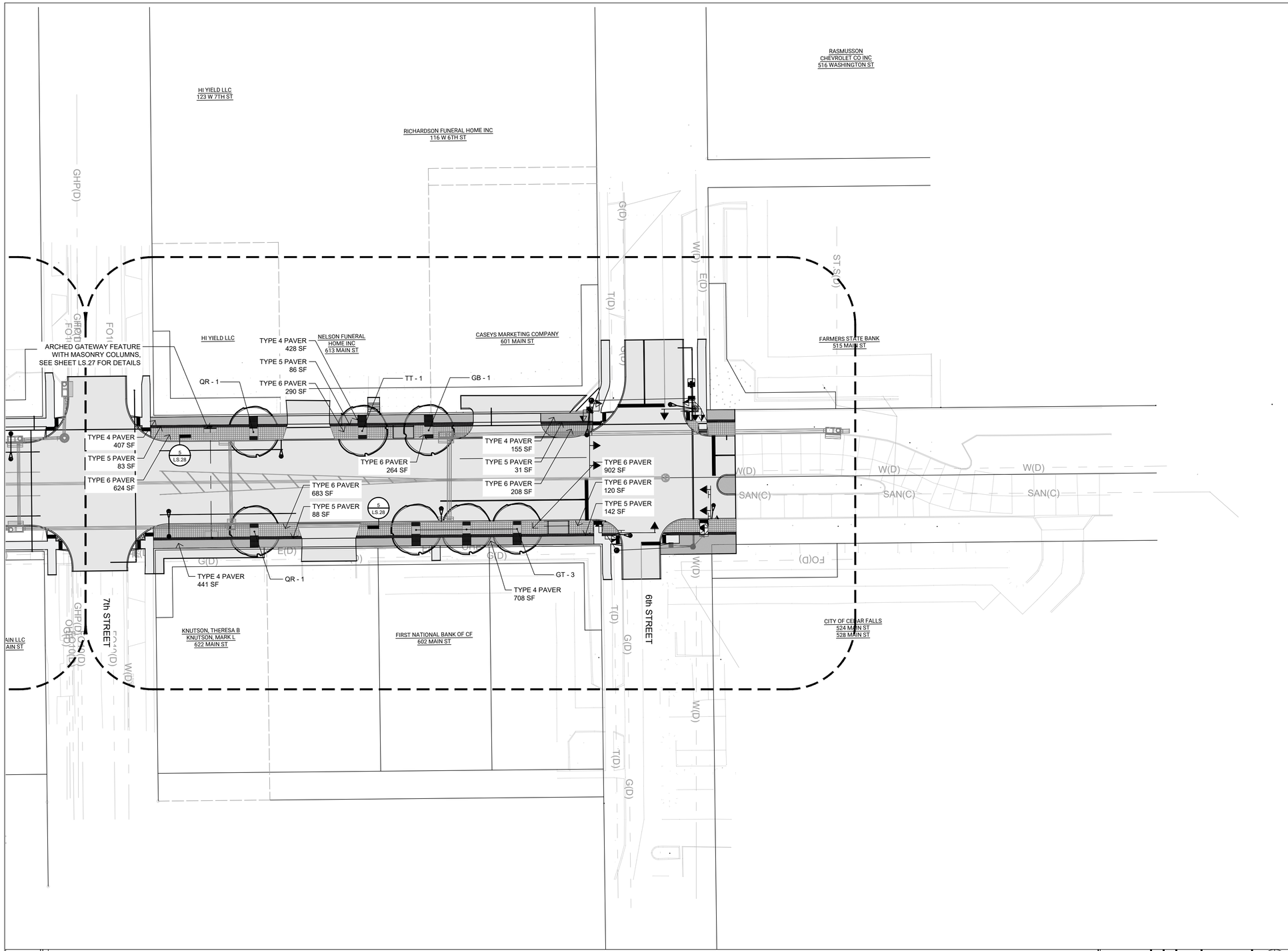
Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

LANDSCAPE PLAN

SHEET NO.
LS.12

STBG-SWAP-1185(657)--SG-07



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PAVER TYPE LEGEND

TYPE 4 - 6TH-7TH STREETSCAPE PAVERS
SEE DETAIL 4/LS.28
BELDEN BRICK REGIMENTAL FULL RANGE BRICK/PAVER SIDEWALK WITH GRANULAR BASE
COLOR: REGIMENTAL FULL RANGE, SIZE: 4X8
PATTERN: STAGGERED RUNNING BOND

TYPE 5 - 6TH-7TH STREETSCAPE PAVERS
SEE DETAIL 4/LS.28
2 ROWS OF BELDEN BRICK/PAVER SIDEWALK WITH GRANULAR BASE
COLOR: WHEATFIELD, SIZE: 8X8
PATTERN: SQUARE GRID

TYPE 6 - 6TH-7TH STREETSCAPE PAVERS
SEE DETAIL 4/LS.28
BELDEN SQUARE BRICK/PAVER SIDEWALK WITH GRANULAR BASE
COLOR: CARBON BLACK BLEND (50%), SIENNA BLEND (50%), SIZE: 8X8
PATTERN: SQUARE GRID

TYPE 7 - 6TH-7TH STREETSCAPE PAVERS
SEE DETAIL 4/LS.28
BELDEN SQUARE BRICK/PAVER SIDEWALK WITH GRANULAR BASE
COLOR: CARBON BLACK BLEND, SIZE: 4X8
PATTERN: RUNNING BOND

TYPE 8 - PAVERS AT 18th RAB INNER TRUCK APRON
SEE DETAIL 2/LS.28
BELDEN SQUARE BRICK/PAVER SIDEWALK WITH GRANULAR BASE
COLOR: CARBON BLACK BLEND (50%), SIENNA BLEND (50%), SIZE: 8X8
PATTERN: SQUARE GRID

01 LANDSCAPE PLAN

SCALE: 1"=30' 0' 7.5' 15' 30' 60'

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO:0021C017.02
DESIGNED BY: C.CARPER CHECKED BY: C.CARPER DRAWN BY: B.SANDELL
LETTING DATE: 11/15/2022 CAD DATE:
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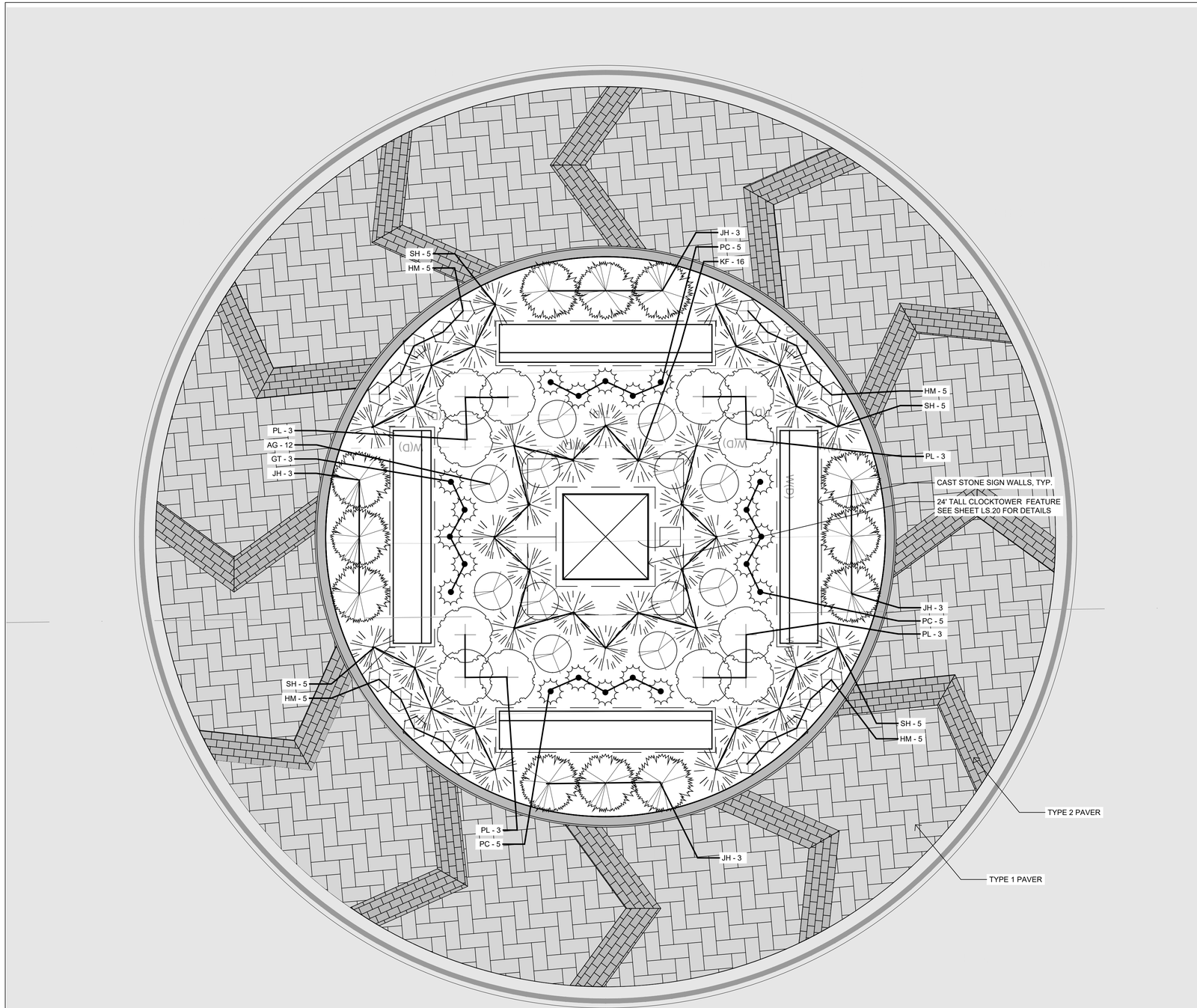
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

LANDSCAPE PLAN

SHEET NO.
LS.13
STBG-SWAP-1185(657)--SG-07



PAVER TYPE LEGEND

TYPE 1 - ACCENT PAVERS AT TRUCK APRON
SEE DETAIL 2/LS.28
UNI-LOCK HOLLANDSTONE PREMIER
COLOR: RUSTIC RED, 20cm x 10cm x 8cm
PATTERN: ANGLED HERRINGBONE

TYPE 2 - CHEVRON PAVERS AT TRUCK APRON
SEE DETAIL 2/LS.28
UNI-LOCK HOLLANDSTONE PREMIER,
COLOR: GRANITE, 20cm x 10cm x 8cm
PATTERN: STAGGERED RUNNING BOND

LANDSCAPE NOTES:

A. PLANT QUANTITIES IN PLANT SCHEDULE ARE FOR CONVENIENCE ONLY AND ARE NOT GUARANTEED. QUANTITIES ON PLAN WILL PREVAIL IF DISCREPANCIES OCCUR.

B. THE CONTRACTOR SHALL SHOW PROOF OF PROCUREMENT, SOURCES, QUANTITIES AND VARIETIES FOR ALL SHRUBS, PERENNIALS, ORNAMENTAL GRASSES, AND ANNUALS WITHIN 21 DAYS FOLLOWING THE AWARD OF CONTRACT. TIMELY PROCUREMENT OF ALL PLANT MATERIAL IS ESSENTIAL TO THE SUCCESSFUL COMPLETION AND ACCEPTANCE OF THE PROJECT.

C. SUBSTITUTIONS SHALL ONLY BE ALLOWED WHEN THE CONTRACTOR HAS EXHAUSTED ALL SOURCES FOR THE SPECIFIED MATERIAL, AND HAS PROVEN THAT THE SPECIFIED MATERIAL IS NOT AVAILABLE. THE CONTRACTOR MUST PROVIDE NAME AND VARIETY OF SUBSTITUTION TO THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO TAGGING OR PLANTING. SUBSTITUTIONS SHALL BE NEAREST EQUIVALENT SIZE OF VARIETY OF PLANT HAVING SAME ESSENTIAL CHARACTERISTICS.

D. ALL PLANT MATERIAL SHALL BE NURSERY GROWN, SOUND, HEALTHY, VIGOROUS AND FREE FROM INSECTS, DISEASE AND INJURIES, WITH HABIT OF GROWTH THAT IS NORMAL FOR THE SPECIES. SIZES SHALL BE EQUAL TO OR EXCEEDING SIZES INDICATED ON THE PLANT LIST. KIND, SIZE AND QUALITY OF PLANT MATERIAL SHALL CONFORM TO THE AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1), MOST RECENT EDITION.

E. STAKE OR PLACE ALL PLANTS IN FIELD AS INDICATED ON THE DRAWINGS OR AS DIRECTED BY THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO PLANTING.

F. PROVIDE A MINIMUM OF 48 HOURS NOTICE FOR APPROVAL OF PLANT LAYOUT AND SAMPLE TREE PLANTINGS.

G. THE CONTRACTOR SHALL REPORT SUBSURFACE SOIL OR DRAINAGE PROBLEMS TO THE LANDSCAPE ARCHITECT PRIOR TO PLANTING.

H. SEED ALL AREAS WITHIN CONTRACT LIMITS, NOT COVERED BY PAVING, BUILDINGS, OR PLANTING BEDS, UNLESS OTHERWISE NOTED.

I. CONTRACTOR SHALL PLACE SHREDDED BARK MULCH AROUND ALL TREES AND IN ALL PLANTING BEDS TO A DEPTH OF 3".

J. SEE SPECIFICATIONS FOR PLANT MAINTENANCE AND WARRANTY REQUIREMENTS.

SEERLEY RAB PLANT SCHEDULE

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	SPACING & REMARKS
SHRUBS						
JH	12	Juniperus horizontalis 'Wiltonii'	CREEPING JUNIPER	#3	CONT.	SPECIMEN QUALITY
PL	12	Syringa 'SMNJRPI' BLOOMERANG DWARF PINK	DWARF PINK LILAC	#3	CONT.	SPECIMEN QUALITY
PERENNIALS						
AG	12	Allium 'Globemaster'	ORNAMENTAL ONION	#1	CONT.	1'-6" TRIANGULAR SPACING
PC	20	Echinacea purpurea 'Magnus'	PURPLE CONEFLOWER	#1	CONT.	1'-6" TRIANGULAR SPACING
HM	20	Hemerocallis 'Pardon Me'	DAYLILY	#1	CONT.	1'-6" TRIANGULAR SPACING
GRASSES						
KF	16	Calamagrostis × acutiflora 'Karl Foerster'	FEATHER REED GRASS	#1	CONT.	3'-0" O.C.
SH	20	Sporobolus heterolepis 'Tara'	PRAIRIE DROPSEED	#1	CONT.	2'-0" O.C.

01 LANDSCAPE PLAN - SEERLEY BLVD.

SCALE: $\frac{1}{4}$"=1'-0" 0' 2' 4' 6' 8'

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO:0021C017.02
DESIGNED BY: C.CARPER CHECKED BY: C.CARPER DRAWN BY: B.SANDELL
LETTING DATE: 11/15/2022 CAD DATE:
CAD FILE:

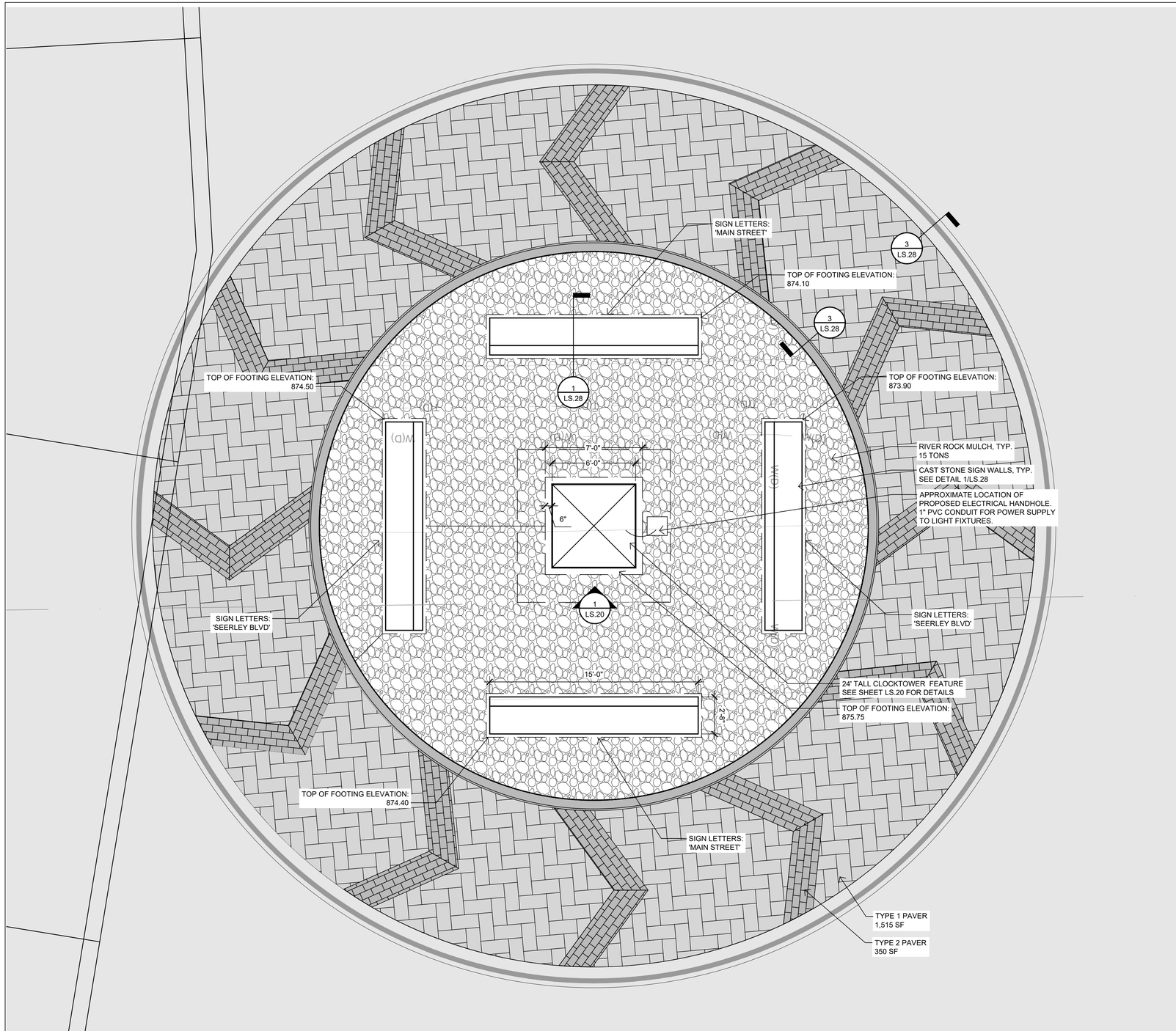
NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

LANDSCAPE PLAN
SEERLEY BLVD. ROUNDABOUT

SHEET NO.
LS.14
STBG-SWAP-1185(657)--SG-07



PAVER TYPE LEGEND

TYPE 1 - ACCENT PAVERS AT TRUCK APRON
SEE DETAIL 2/LS.28
UNI-LOCK HOLLANDSTONE PREMIER
COLOR: RUSTIC RED, 20cm x 10cm x 8cm
PATTERN: ANGLED HERRINGBONE

TYPE 2 - CHEVRON PAVERS AT TRUCK APRON
SEE DETAIL 2/LS.28
UNI-LOCK HOLLANDSTONE PREMIER,
COLOR: GRANITE, 20cm x 10cm x 8cm
PATTERN: STAGGERED RUNNING BOND

LANDSCAPE NOTES:

A. PLANT QUANTITIES IN PLANT SCHEDULE ARE FOR CONVENIENCE ONLY AND ARE NOT GUARANTEED. QUANTITIES ON PLAN WILL PREVAIL IF DISCREPANCIES OCCUR.

B. THE CONTRACTOR SHALL SHOW PROOF OF PROCUREMENT, SOURCES, QUANTITIES AND VARIETIES FOR ALL SHRUBS, PERENNIALS, ORNAMENTAL GRASSES, AND ANNUALS WITHIN 21 DAYS FOLLOWING THE AWARD OF CONTRACT. TIMELY PROCUREMENT OF ALL PLANT MATERIAL IS ESSENTIAL TO THE SUCCESSFUL COMPLETION AND ACCEPTANCE OF THE PROJECT.

C. SUBSTITUTIONS SHALL ONLY BE ALLOWED WHEN THE CONTRACTOR HAS EXHAUSTED ALL SOURCES FOR THE SPECIFIED MATERIAL, AND HAS PROVEN THAT THE SPECIFIED MATERIAL IS NOT AVAILABLE. THE CONTRACTOR MUST PROVIDE NAME AND VARIETY OF SUBSTITUTION TO THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO TAGGING OR PLANTING. SUBSTITUTIONS SHALL BE NEAREST EQUIVALENT SIZE OF VARIETY OF PLANT HAVING SAME ESSENTIAL CHARACTERISTICS.

D. ALL PLANT MATERIAL SHALL BE NURSERY GROWN, SOUND, HEALTHY, VIGOROUS AND FREE FROM INSECTS, DISEASE AND INJURIES, WITH HABIT OF GROWTH THAT IS NORMAL FOR THE SPECIES. SIZES SHALL BE EQUAL TO OR EXCEEDING SIZES INDICATED ON THE PLANT LIST. KIND, SIZE AND QUALITY OF PLANT MATERIAL SHALL CONFORM TO THE AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1), MOST RECENT EDITION.

E. STAKE OR PLACE ALL PLANTS IN FIELD AS INDICATED ON THE DRAWINGS OR AS DIRECTED BY THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO PLANTING.

F. PROVIDE A MINIMUM OF 48 HOURS NOTICE FOR APPROVAL OF PLANT LAYOUT AND SAMPLE TREE PLANTINGS.

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I. CONTRACTOR SHALL PLACE SHREDDED BARK MULCH AROUND ALL TREES AND IN ALL PLANTING BEDS TO A DEPTH OF 3".

J. SEE SPECIFICATIONS FOR PLANT MAINTENANCE AND WARRANTY REQUIREMENTS.

01 MASONRY COLUMN LAYOUT - SEERLEY BLVD.

SCALE: 1/4"=1'-0" 0 2 4 6 8

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO:0021C017.02
DESIGNED BY: C.CARPER CHECKED BY: C.CARPER DRAWN BY: B.SANDELL
LETTING DATE: 11/15/2022 CAD DATE:
CAD FILE:

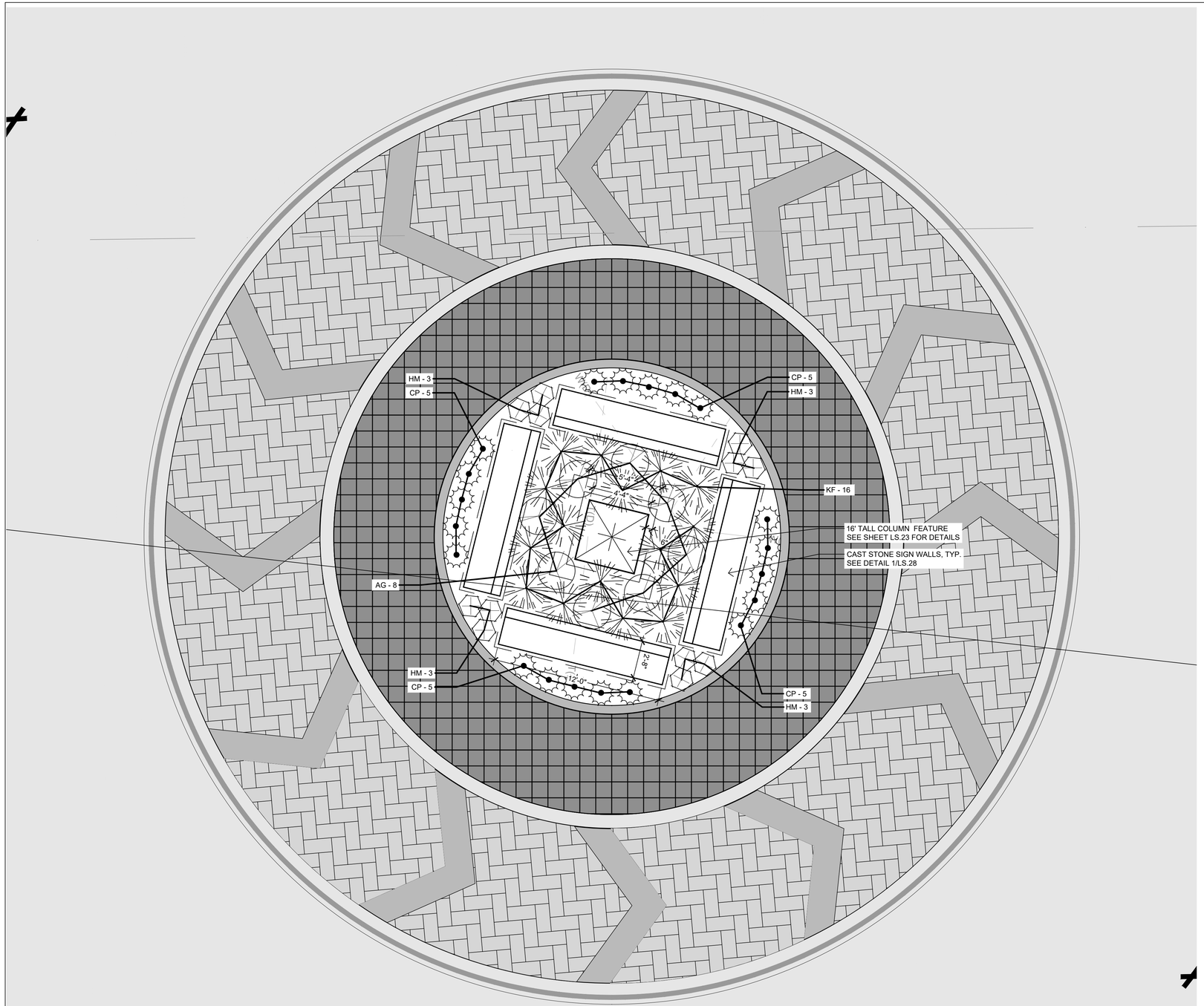
NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MASONRY COLUMN PLAN
SEERLEY BLVD. ROUNDABOUT

SHEET NO.
LS.15
STBG-SWAP-1185(657)--SG-07



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SEE DETAIL 2/LS.28
UNI-LOCK HOLLANDSTONE PREMIER
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PATTERN: ANGLED HERRINGBONE

TYPE 2 - CHEVRON PAVERS AT TRUCK APRON
SEE DETAIL 2/LS.28
UNI-LOCK HOLLANDSTONE PREMIER,
COLOR: GRANITE, 20cm x 10cm x 8cm
PATTERN: STAGGERED RUNNING BOND

TYPE 8 - PAVERS AT 18th RAB INNER TRUCK APRON
SEE DETAIL 2/LS.28
BELDEN SQUARE BRICK/PAVER SIDEWALK
WITH GRANULAR BASE
COLOR: CARBON BLACK BLEND (50%),
SIENNA BLEND (50%), SIZE: 8X8
PATTERN: SQUARE GRID

LANDSCAPE NOTES:

A. PLANT QUANTITIES IN PLANT SCHEDULE ARE FOR CONVENIENCE ONLY AND ARE NOT GUARANTEED. QUANTITIES ON PLAN WILL PREVAIL IF DISCREPANCIES OCCUR.

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18TH STREET RAB PLANT SCHEDULE

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	SPACING & REMARKS
			PERENNIALS			
AG	8	Allium 'Globemaster'	ORNAMENTAL ONION	#1	CONT.	1'-6" TRIANGULAR SPACING
HM	12	Hemerocallis 'Pardon Me'	DAYLILY	#1	CONT.	1'-6" TRIANGULAR SPACING
			GRASSES			
KF	16	Calamagrostis × acutiflora 'Karl Foerster'	FEATHER REED GRASS	#1	CONT.	3'-0" O.C.
			GROUNDCOVERS			
CP	20	Phlox subulata 'Millstream Daphne'	PINK CREEPING PHLOX	#SP2	CONT.	12" O.C.

01 LANDSCAPE PLAN - 18TH STREET

SCALE: 1/4"=1'-0" 0' 2' 4' 6' 8'

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: C.CARPER CHECKED BY: C.CARPER DRAWN BY: B.SANDELL
LETTING DATE: 11/15/2022 CAD DATE:
CAD FILE:

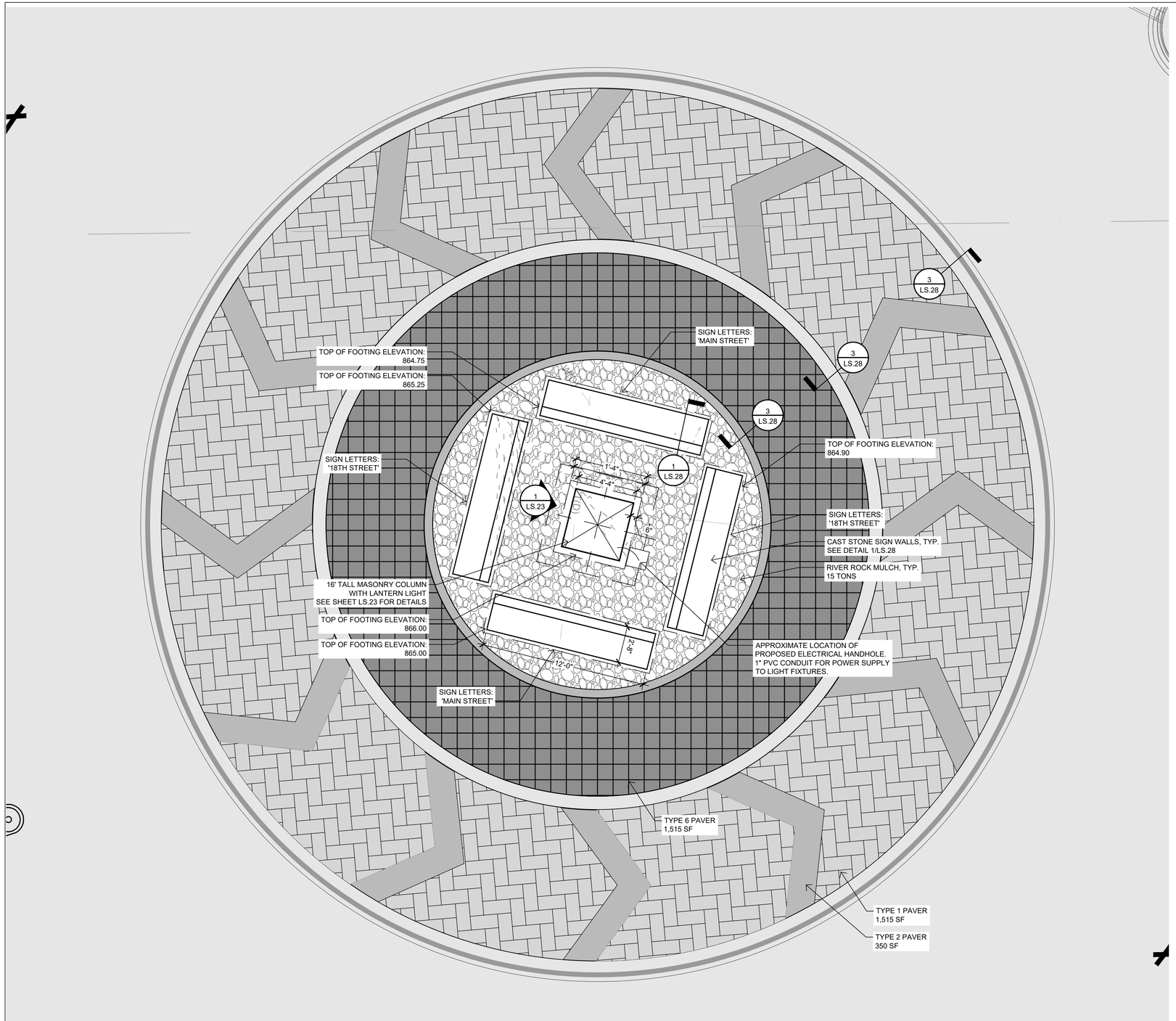
NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

LANDSCAPE PLAN
18th STREET ROUNDABOUT

SHEET NO.
LS.16
STBG-SWAP-1185(657)--SG-07



PAVER TYPE LEGEND

TYPE 1 - ACCENT PAVERS AT TRUCK APRON
SEE DETAIL 2/LS.28
UNI-LOCK HOLLANDSTONE PREMIER
COLOR: RUSTIC RED, 20cm x 10cm x 8cm
PATTERN: ANGLED HERRINGBONE

TYPE 2 - CHEVRON PAVERS AT TRUCK APRON
SEE DETAIL 2/LS.28
UNI-LOCK HOLLANDSTONE PREMIER,
COLOR: GRANITE, 20cm x 10cm x 8cm
PATTERN: STAGGERED RUNNING BOND

TYPE 8 - PAVERS AT 18th RAB INNER TRUCK APRON
SEE DETAIL 2/LS.28
BELDEN SQUARE BRICK/PAVER SIDEWALK
WITH GRANULAR BASE
COLOR: CARBON BLACK BLEND (50%),
SIENNA BLEND (50%), SIZE: 8X8
PATTERN: SQUARE GRID

LANDSCAPE NOTES:

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F. PROVIDE A MINIMUM OF 48 HOURS NOTICE FOR APPROVAL OF PLANT LAYOUT AND SAMPLE TREE PLANTINGS.

G. THE CONTRACTOR SHALL REPORT SUBSURFACE SOIL OR DRAINAGE PROBLEMS TO THE LANDSCAPE ARCHITECT PRIOR TO PLANTING.

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I. CONTRACTOR SHALL PLACE SHREDDED BARK MULCH AROUND ALL TREES AND IN ALL PLANTING BEDS TO A DEPTH OF 3".

J. SEE SPECIFICATIONS FOR PLANT MAINTENANCE AND WARRANTY REQUIREMENTS.

01 MASONRY COLUMN LAYOUT - 18TH STREET

SCALE: $\frac{1}{4}$"=1'-0" 0 2 4 6 8

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO:0021C017.02
DESIGNED BY: C.CARPER CHECKED BY: C.CARPER DRAWN BY: B.SANDELL
LETTING DATE: 11/15/2022 CAD DATE:
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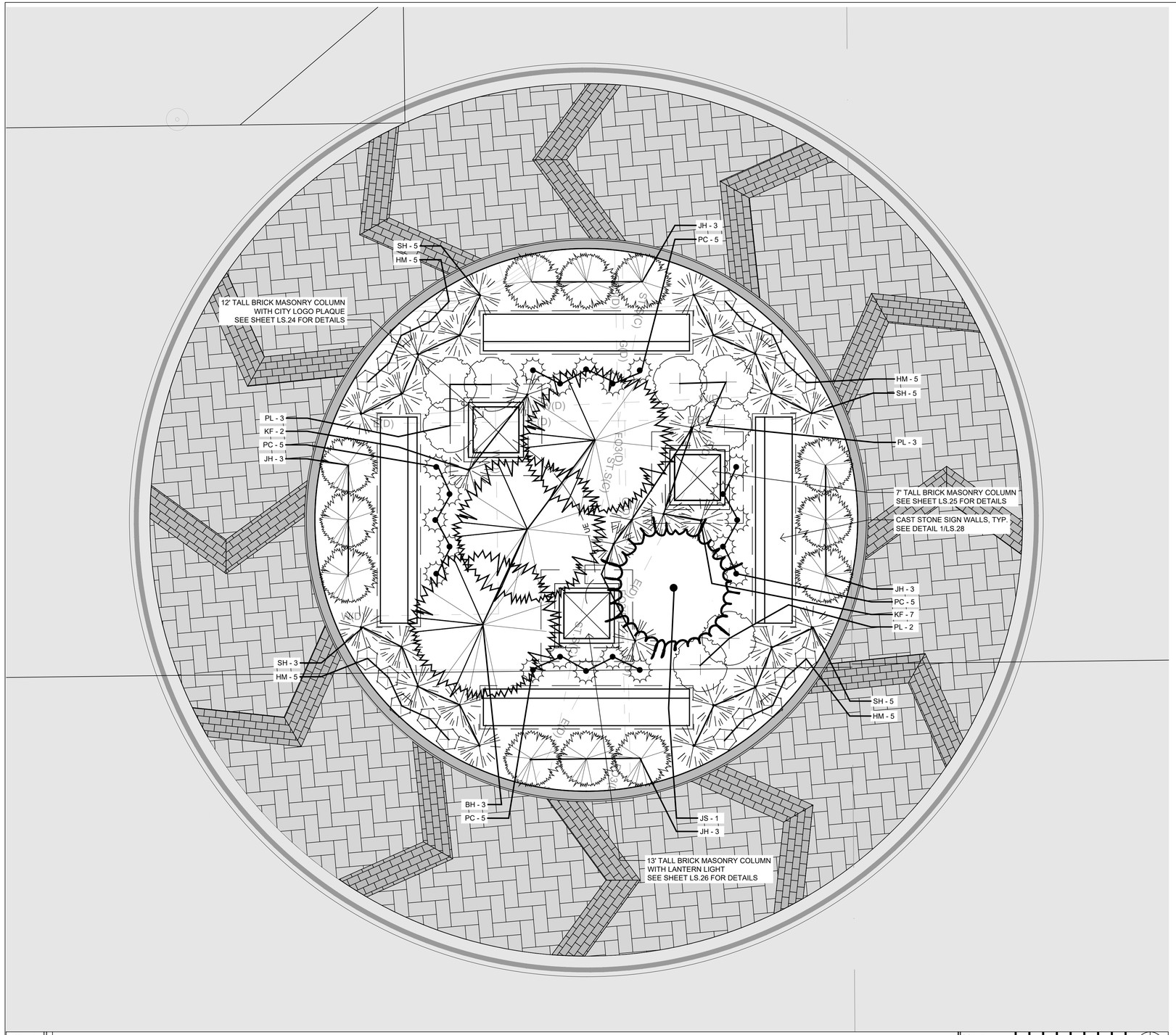
NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MASONRY COLUMN PLAN
18th STREET ROUNDABOUT

SHEET NO.
LS.17
STBG-SWAP-1185(657)--SG-07



PAVER TYPE LEGEND

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SEE DETAIL 2/LS.28
UNI-LOCK HOLLANDSTONE PREMIER
COLOR: RUSTIC RED, 20cm x 10cm x 8cm
PATTERN: ANGLED HERRINGBONE

TYPE 2 - CHEVRON PAVERS AT TRUCK APRON
SEE DETAIL 2/LS.28
UNI-LOCK HOLLANDSTONE PREMIER,
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PATTERN: STAGGERED RUNNING BOND

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12TH STREET RAB PLANT SCHEDULE

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	SPACING & REMARKS
SHRUBS						
JH	12	Juniperus horizontalis 'Wiltonii'	CREEPING JUNIPER	#3	CONT.	SPECIMEN QUALITY
JS	1	Juniperus squamata 'Holger'	JUNIPER	#5	CONT.	SPECIMEN QUALITY
PL	8	Syringa 'SMNJRPI' BLOOMERANG DWARF PINK	DWARF PINK LILAC	#3	CONT.	SPECIMEN QUALITY
PERENNIALS						
PC	20	Echinacea purpurea 'Magnus'	PURPLE CONEFLOWER	#1	CONT.	1'-6" TRIANGULAR SPACING
HM	20	Hemerocallis 'Pardon Me'	DAYLILY	#1	CONT.	1'-6" TRIANGULAR SPACING
GRASSES						
KF	9	Calamagrostis × acutiflora 'Karl Foerster'	FEATHER REED GRASS	#1	CONT.	3'-0" O.C.
SH	20	Sporobolus heterolepis 'Tara'	PRAIRIE DROPSEED	#1	CONT.	2'-0" O.C.
EVERGREEN TREES						
BH	3	*Picea glauca 'Densata'*	BLACK HILLS SPRUCE	8' HT	B&B	SPECIMEN QUALITY

01 LANDSCAPE PLAN - 12TH STREET

SCALE: 1/4"=1'-0" (0, 2', 4', 6', 8')

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO:0021C017.02
DESIGNED BY: C.CARPER CHECKED BY: C.CARPER DRAWN BY: B.SANDELL
LETTING DATE: 11/15/2022 CAD DATE:
CAD FILE:

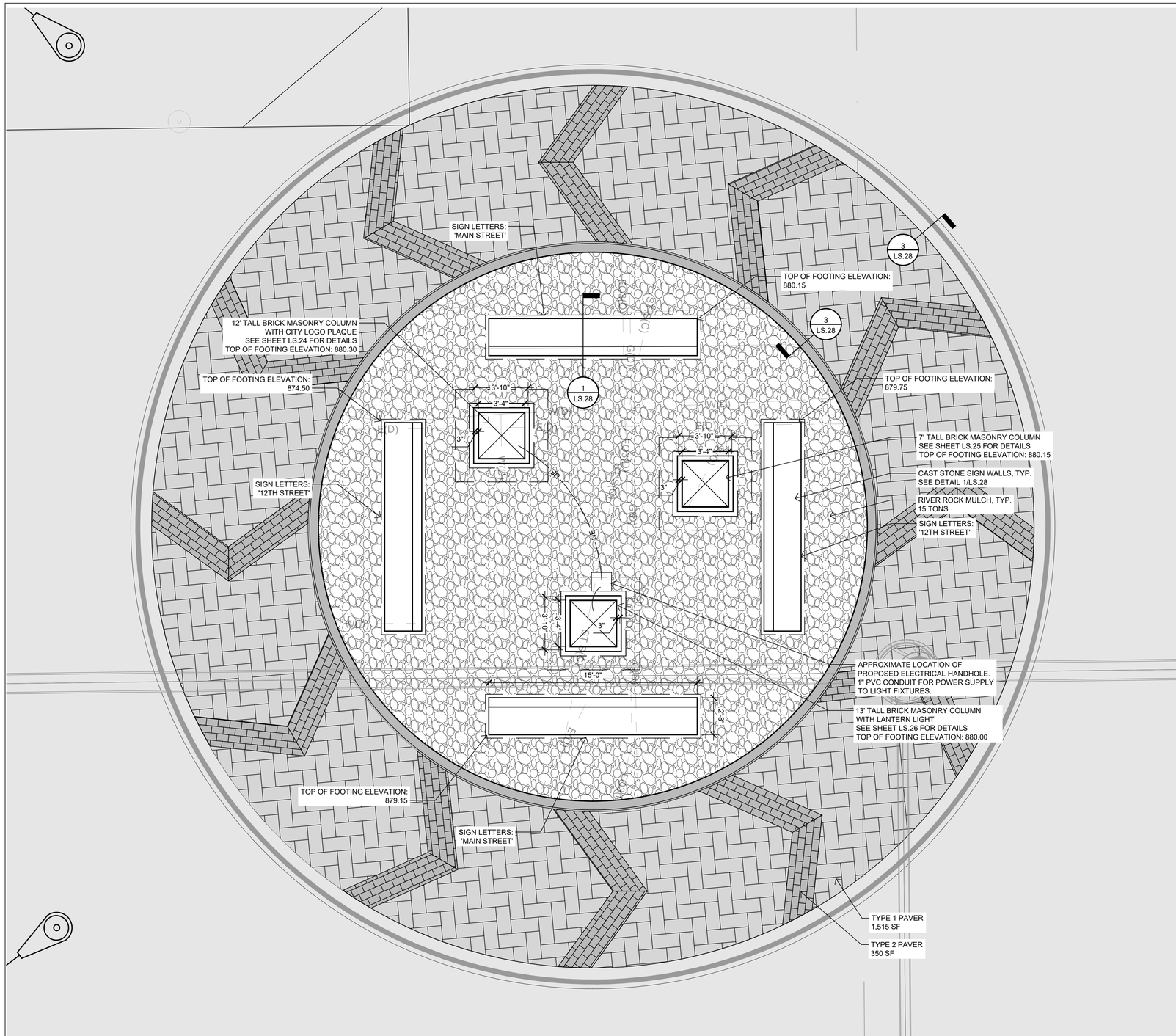
NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

LANDSCAPE PLAN
12th STREET ROUNDABOUT

SHEET NO.
LS.18
STBG-SWAP-1185(657)--SG-07



01 MASONRY COLUMN LAYOUT - 12TH STREET

SCALE: $\frac{1}{4}$"=1'-0" 0 2 4 6 8

PAVER TYPE LEGEND

TYPE 1 - ACCENT PAVERS AT TRUCK APRON
SEE DETAIL 2/LS.28
UNI-LOCK HOLLANDSTONE PREMIER
COLOR: RUSTIC RED, 20cm x 10cm x 8cm
PATTERN: ANGLED HERRINGBONE

TYPE 2 - CHEVRON PAVERS AT TRUCK APRON
SEE DETAIL 2/LS.28
UNI-LOCK HOLLANDSTONE PREMIER,
COLOR: GRANITE, 20cm x 10cm x 8cm
PATTERN: STAGGERED RUNNING BOND

LANDSCAPE NOTES:

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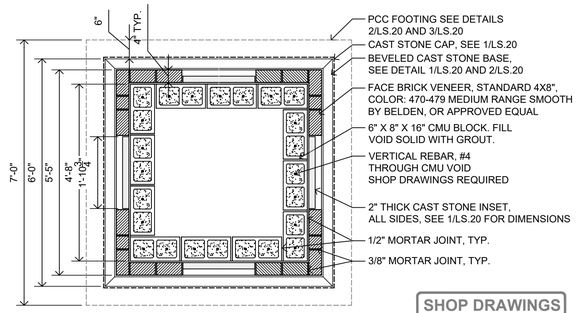
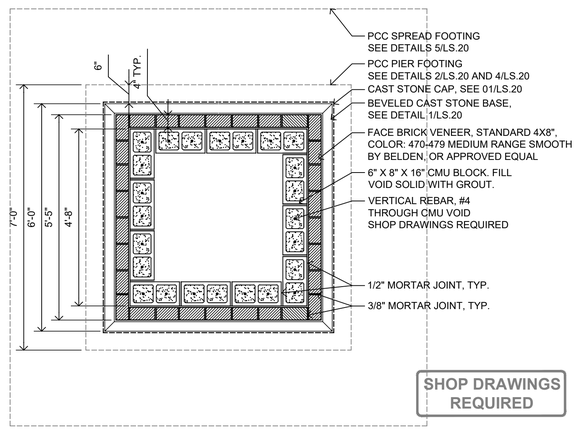
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MASONRY COLUMN PLAN
12th STREET ROUNDABOUT

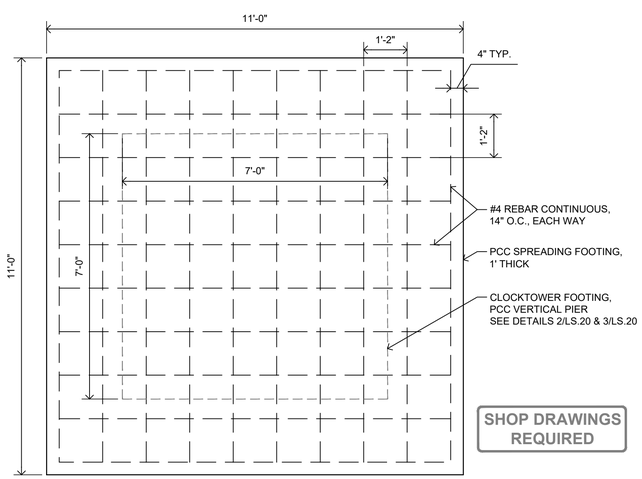
SHEET NO.
LS.19
STBG-SWAP-1185(657)--SG-07



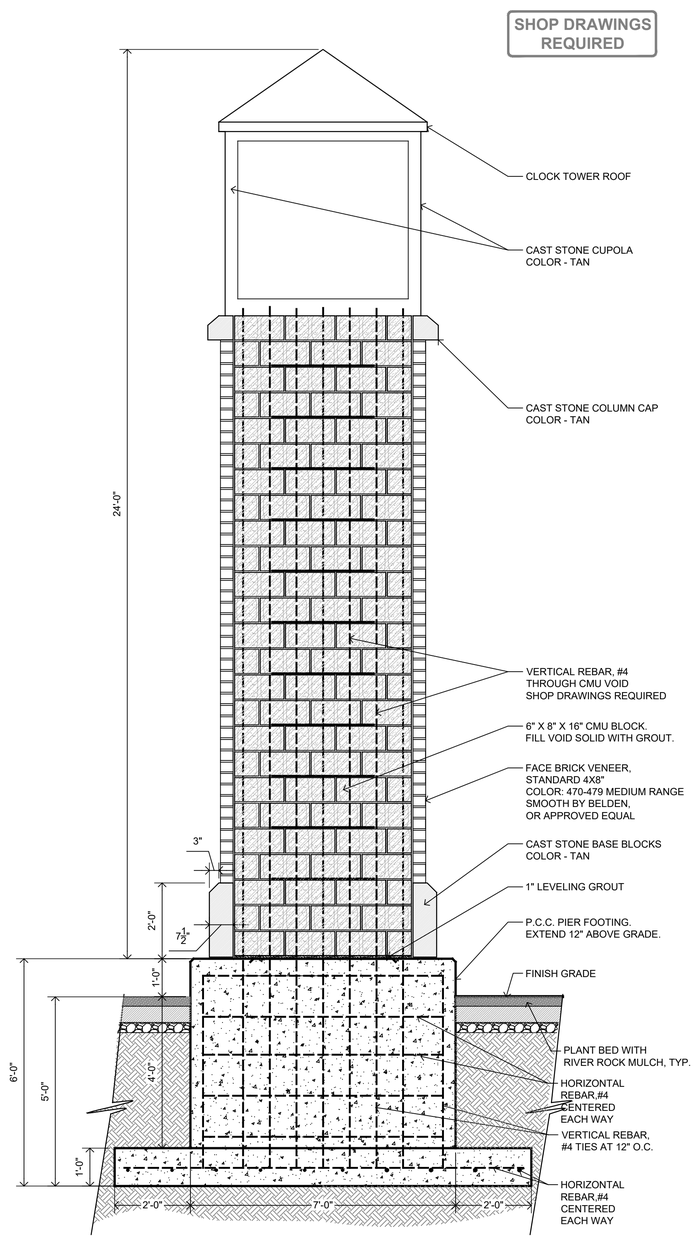
3 LS.20 SECTION: CLOCK TOWER COLUMN MASONRY AT CAST STONE INSET N.T.S



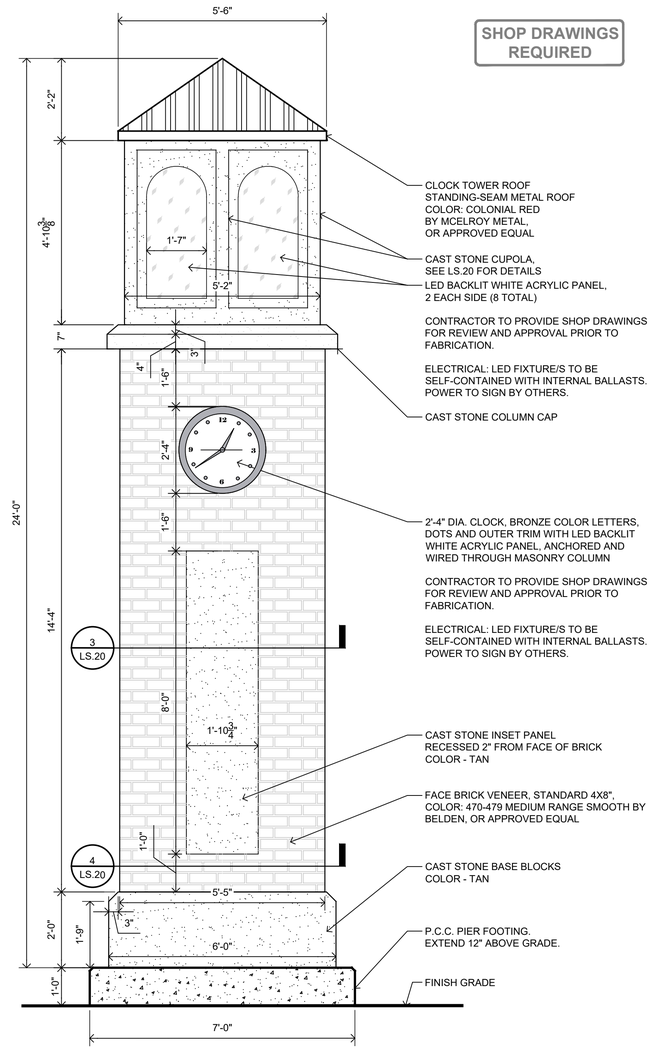
4 LS.20 SECTION: CLOCK TOWER COLUMN MASONRY N.T.S



5 LS.20 PLAN: CLOCK TOWER SPREAD FOOTING, REINFORCED N.T.S



2 LS.20 SECTION: 24' TALL CLOCK TOWER COLUMN WITH FOOTING 1/2" = 1'-0"



1 LS.20 ELEVATION: 24' TALL CLOCK TOWER COLUMN WITH BACK-LIT CUPOLA 1/2" = 1'-0"

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO:0021C017.02
DESIGNED BY: C.CARPER CHECKED BY: C.CARPER DRAWN BY: B.SANDELL
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CAD FILE:

NO	DATE	BY	REVISION DESCRIPTION

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UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

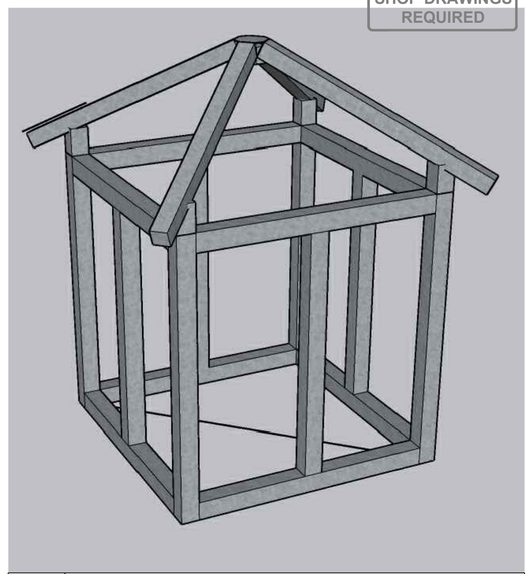
SEERLEY RAB 24' CLOCKTOWER DETAILS

SHEET NO.
LS.20
STBG-SWAP-1185(657)--SG-07

SHOP DRAWINGS REQUIRED

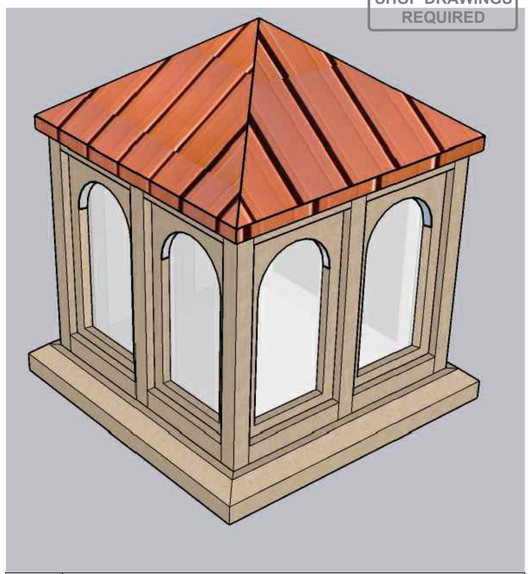
4 LS.21 AXON: TRANSLUCENT PANELS ATTACH TO FRAME N.T.S

SHOP DRAWINGS REQUIRED



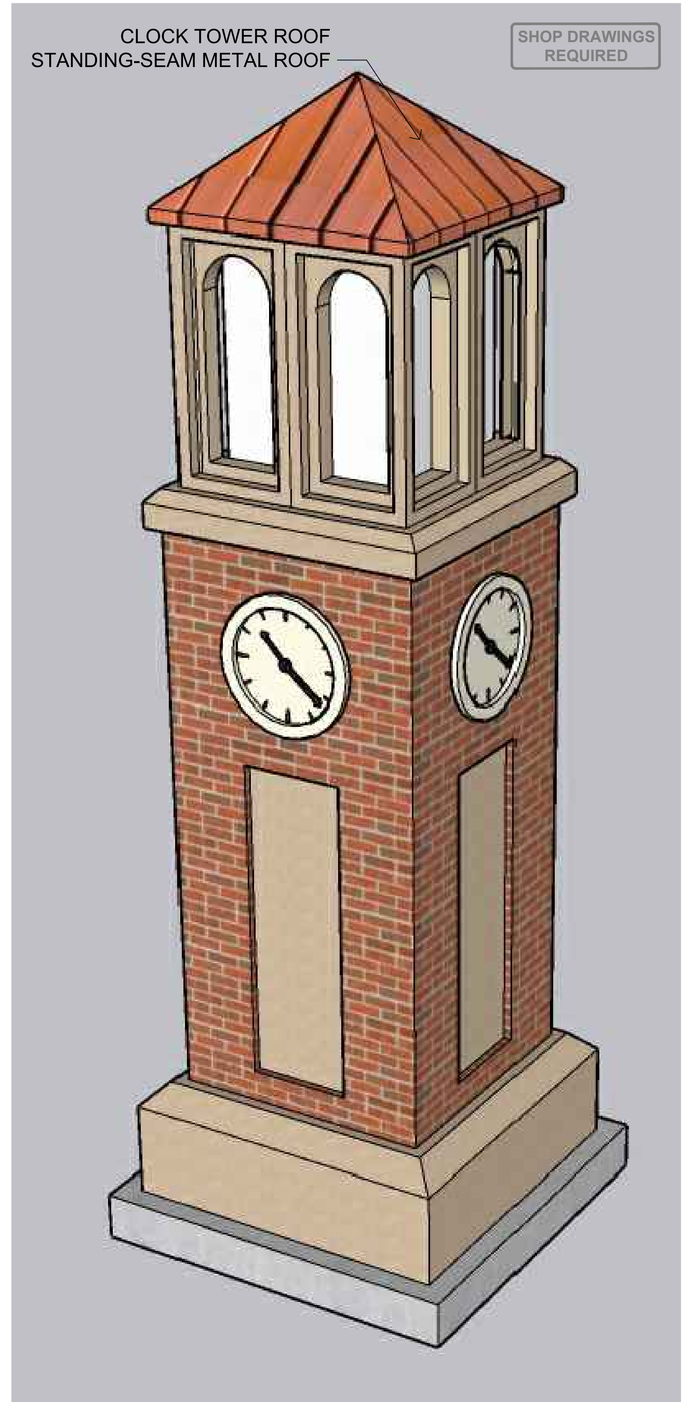
3 LS.21 AXON: CUPOLA FRAME STRUCTURE N.T.S

SHOP DRAWINGS REQUIRED



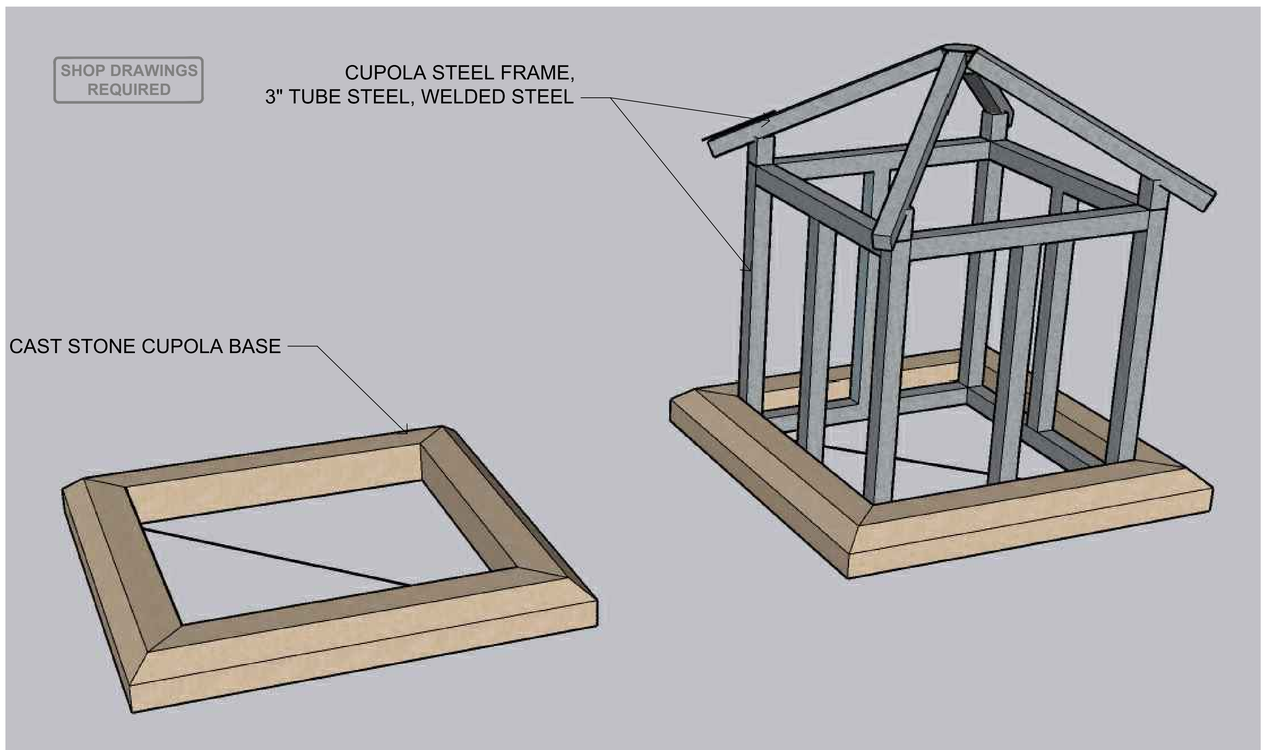
2 LS.21 AXON: CUPOLA DESIGN N.T.S

SHOP DRAWINGS REQUIRED



1 LS.21 AXON: 24' TALL CLOCK TOWER COLUMN WITH BACK-LIT CUPOLA N.T.S.

SHOP DRAWINGS REQUIRED



5 LS.22 AXON: CUPOLA CAST STONE BASE AND BASE WITH FRAME 1/2" = 1'-0"

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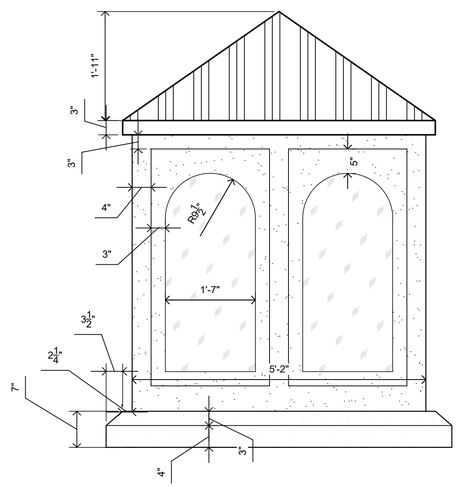
CEDAR FALLS, IA

SEERLEY RAB 24' CLOCKTOWER DETAILS

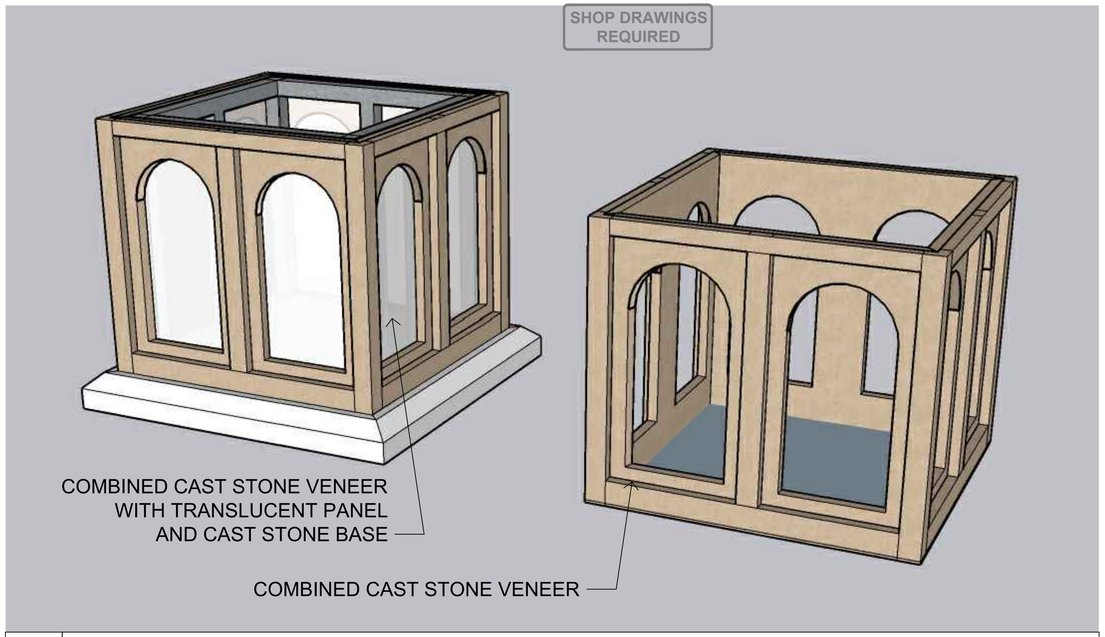
SHEET NO.
LS.21
STBG-SWAP-1185(657)--SG-07

SHOP DRAWINGS REQUIRED



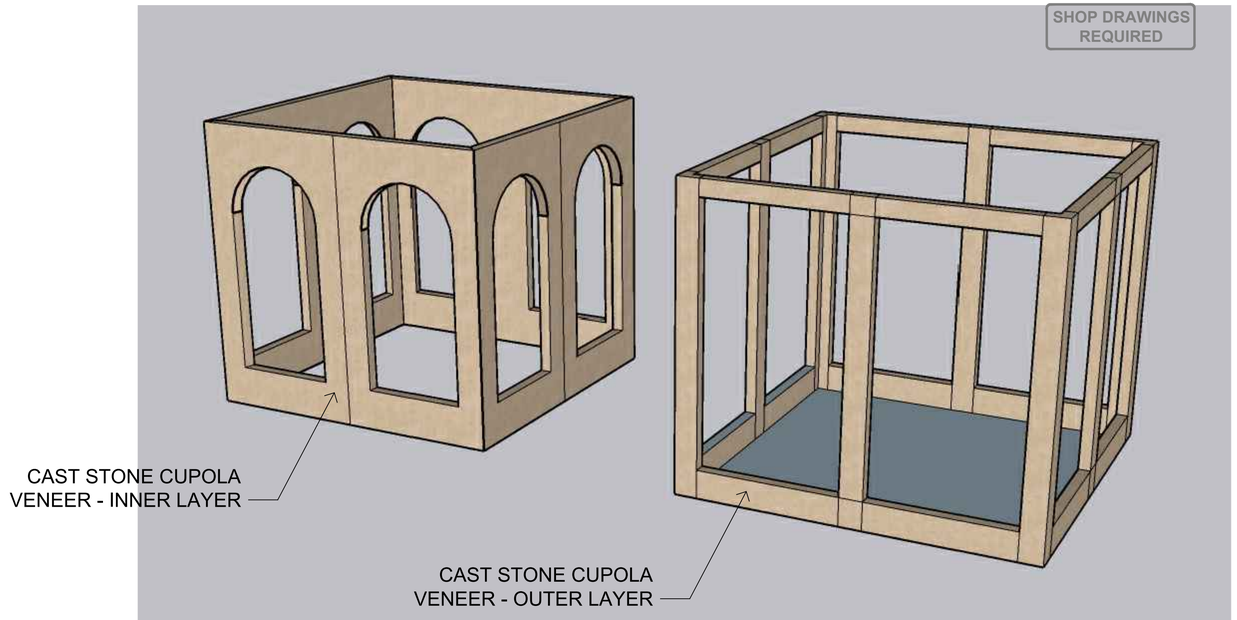
4 LS.22 ELEVATION: CAST STONE CUPOLA N.T.S

SHOP DRAWINGS REQUIRED



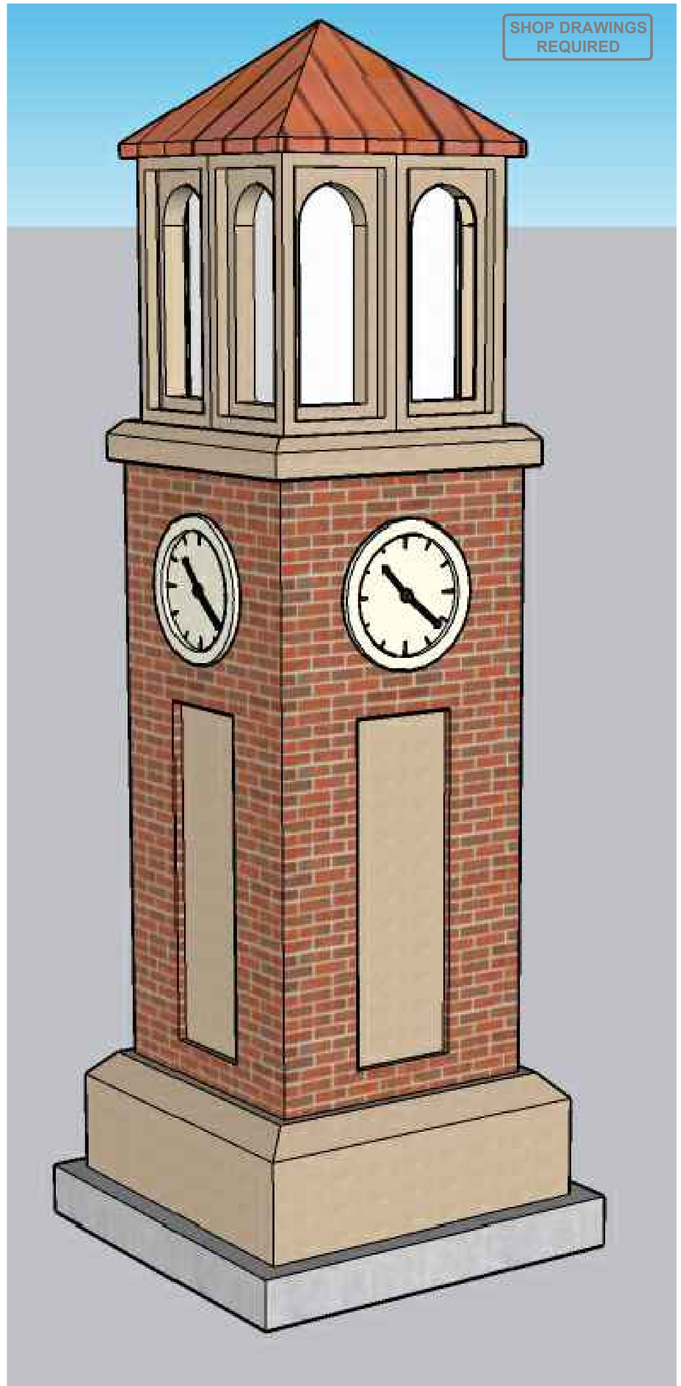
2 LS.22 AXON: CUPOLA PANEL WITH CAST STONE AND CAST STONE CUPOLA COMBINED N.T.S

SHOP DRAWINGS REQUIRED



3 LS.22 CAST STONE CUPOLA DETAILS 1/2" = 1'-0"

SHOP DRAWINGS REQUIRED



1 LS.22 AXON: 24' TALL CLOCK TOWER COLUMN WITH BACK-LIT CUPOLA N.T.S.

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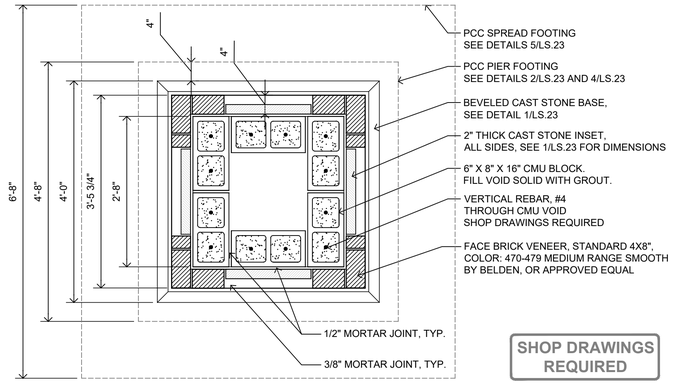
CEDAR FALLS, IA

SEERLEY RAB 24' CLOCKTOWER DETAILS

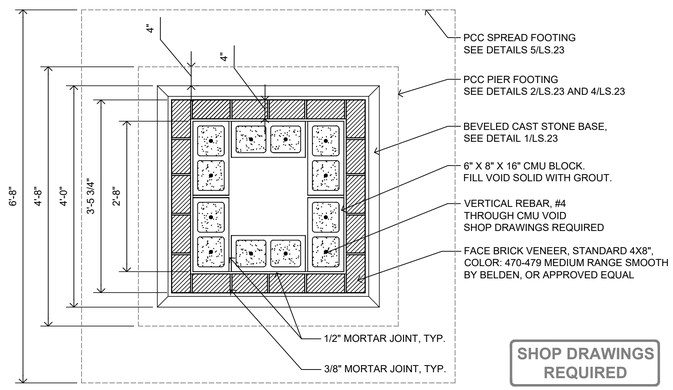
SHEET NO.
LS.22
STBG-SWAP-1185(657)--SG-07



SHOP DRAWINGS REQUIRED

3 LS.23 PLAN: BRICK COLUMN AT CAST STONE INSET

N.T.S

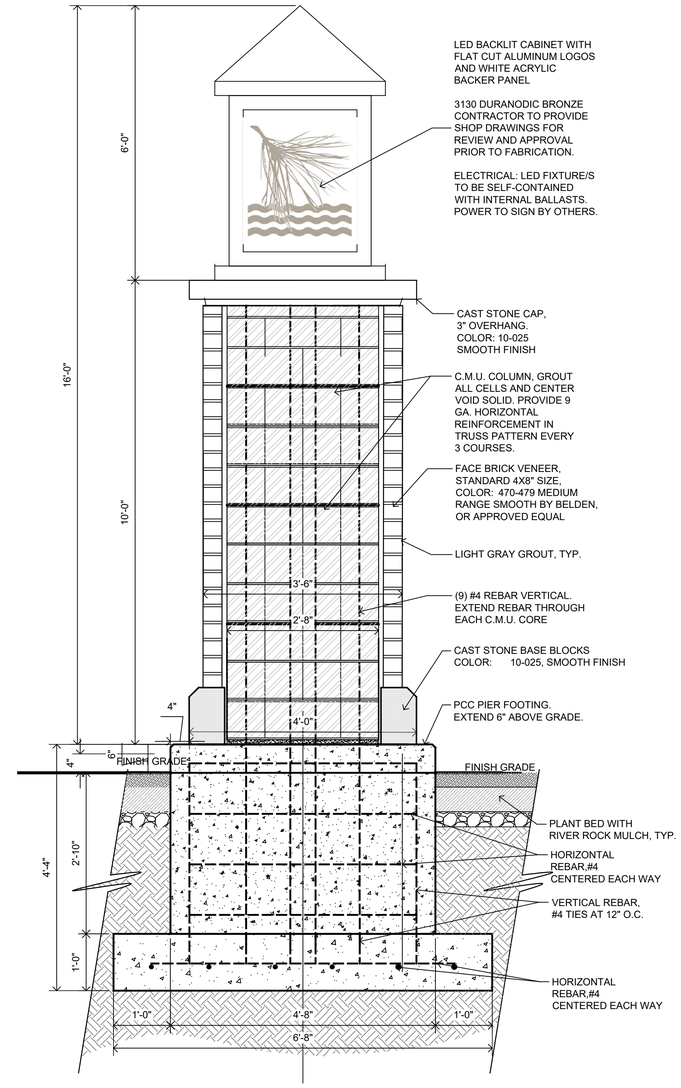


SHOP DRAWINGS REQUIRED

4 LS.23 PLAN: BRICK COLUMN

N.T.S

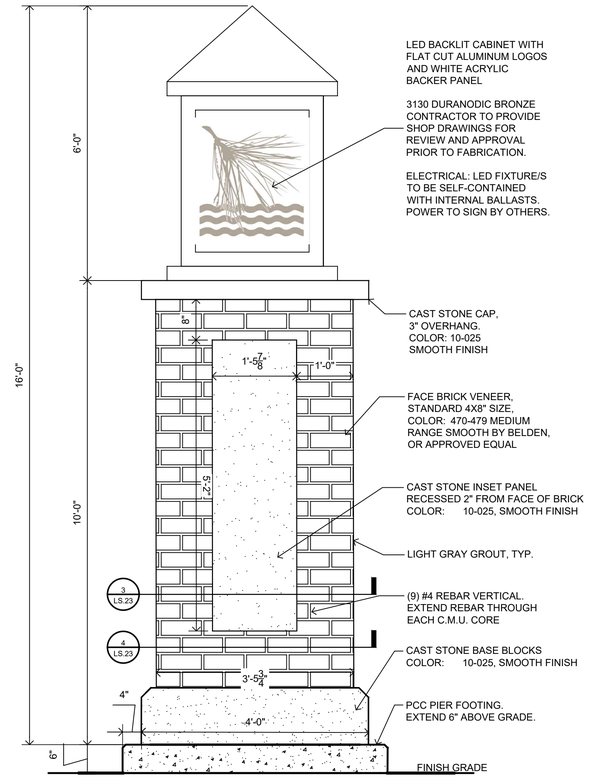
SHOP DRAWINGS REQUIRED



2 LS.23 SECTION: 16' TALL BRICK COLUMN WITH LATERN LIGHT

N.T.S

SHOP DRAWINGS REQUIRED



1 LS.23 ELEVATION: 16' TALL BRICK COLUMN WITH LANTERN LIGHT

N.T.S

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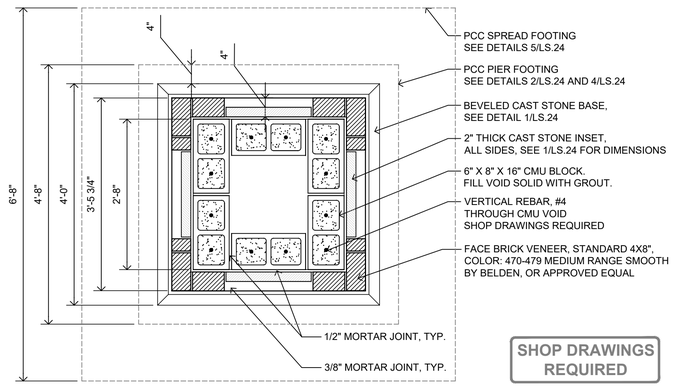
CEDAR FALLS, IA

18th STREET RAB 16' LANTERN COLUMN DETAILS

SHEET NO.
LS.23

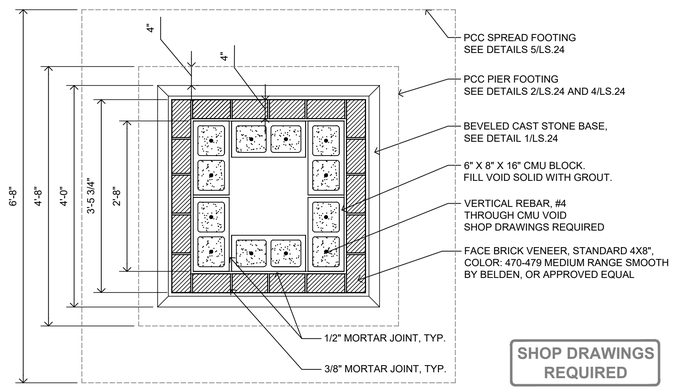
STBG-SWAP-1185(657)--SG-07



SHOP DRAWINGS REQUIRED

3 LS.24 PLAN: BRICK COLUMN AT CAST STONE INSET

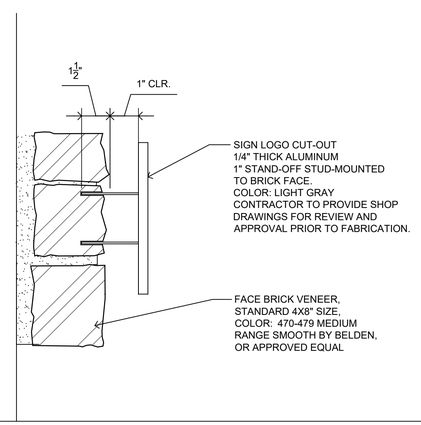
N.T.S



SHOP DRAWINGS REQUIRED

4 LS.24 PLAN: BRICK COLUMN

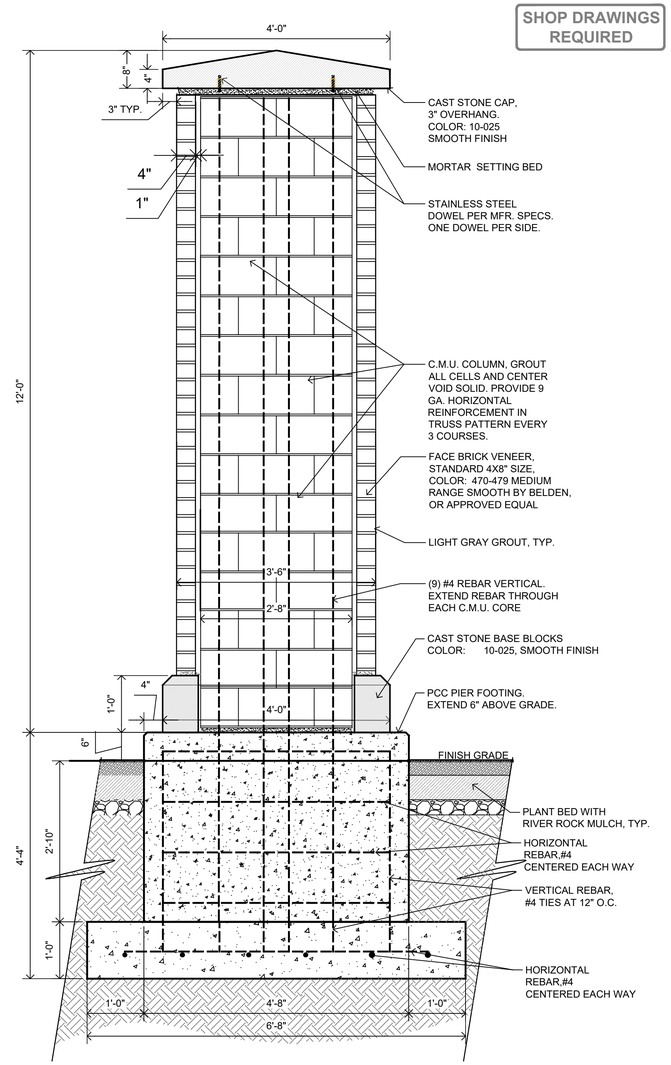
N.T.S



5 LS.24 SECTION: STANDOFF LOGO, TYP.

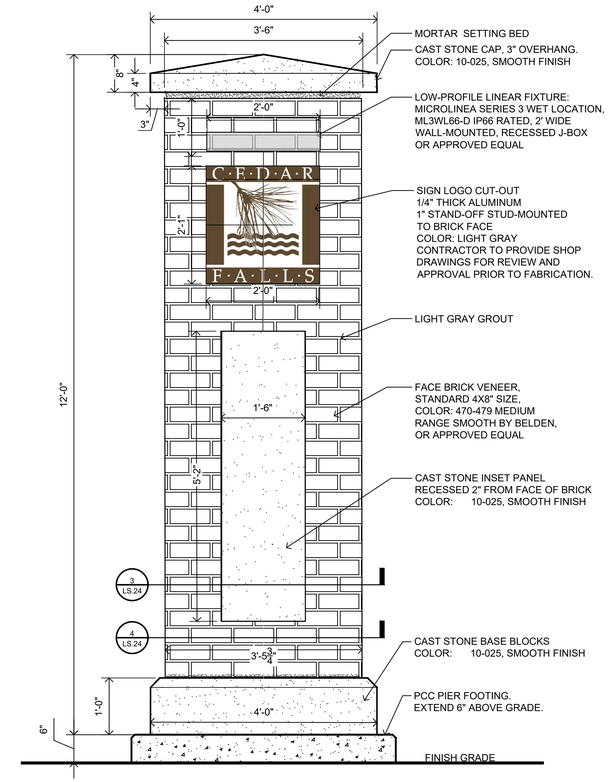
N.T.S

SHOP DRAWINGS REQUIRED



2 LS.24 SECTION: 12' TALL BRICK COLUMN WITH LOGO PLAQUE

N.T.S



1 LS.24 ELEVATION: 12' TALL BRICK COLUMN WITH LOGO PLAQUE

N.T.S

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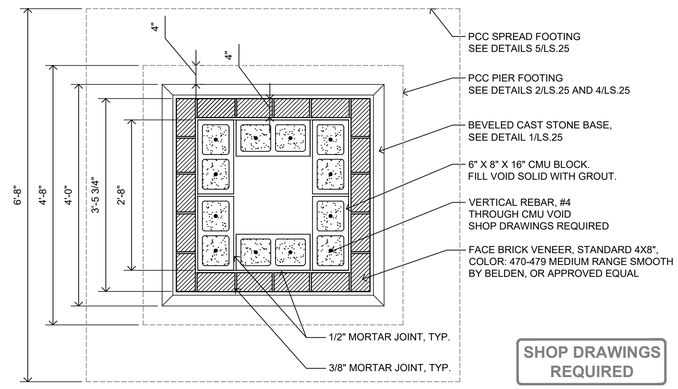
CEDAR FALLS, IA

12th STREET RAB 12' COLUMN DETAILS

SHEET NO.
LS.24

STBG-SWAP-1185(657)--SG-07

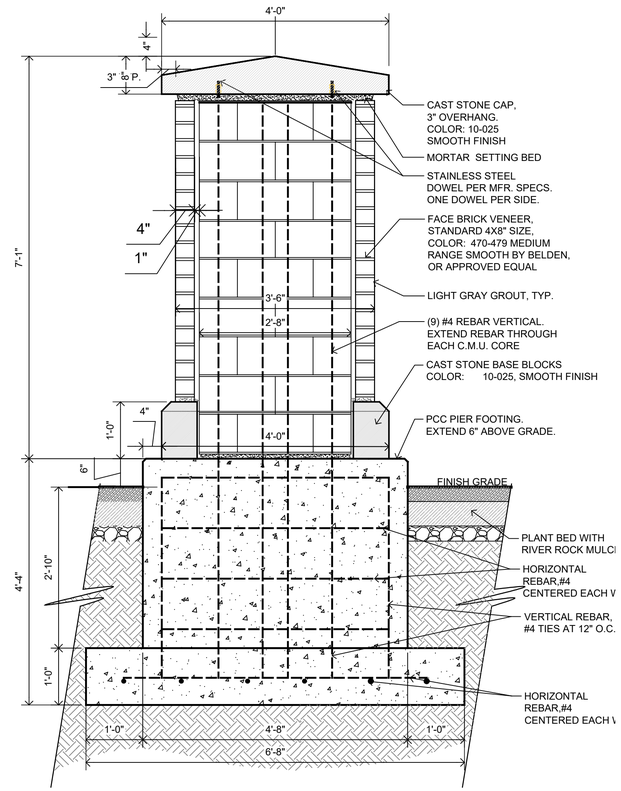


SHOP DRAWINGS REQUIRED

3 LS.25 PLAN: BRICK COLUMN

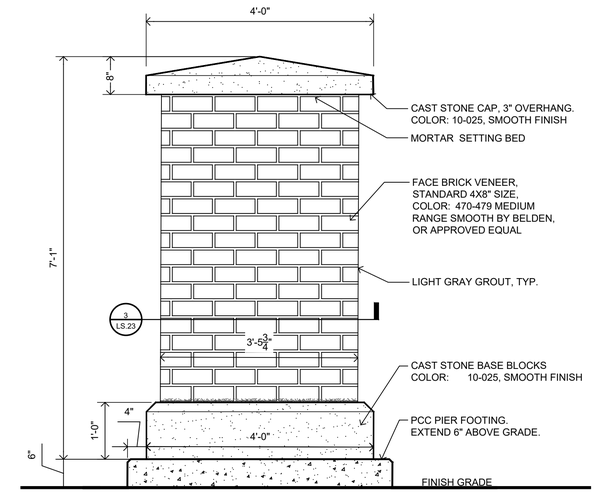
N.T.S

SHOP DRAWINGS REQUIRED



2 LS.25 SECTION: 7' TALL BRICK COLUMN

N.T.S



1 LS.25 ELEVATION: 7' TALL BRICK COLUMN

N.T.S

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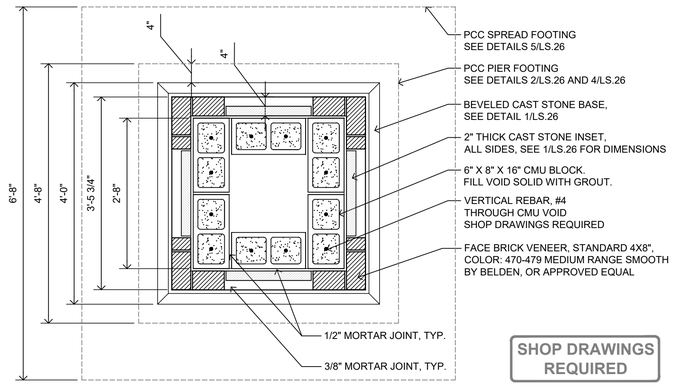
CEDAR FALLS, IA

12th STREET RAB 7' COLUMN DETAILS

SHEET NO.
LS.25

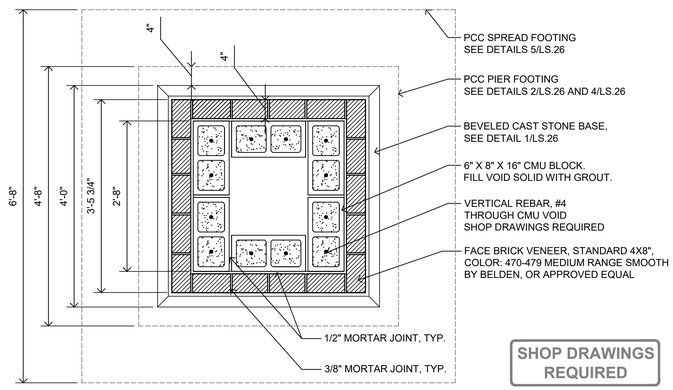
STBG-SWAP-1185(657)--SG-07



SHOP DRAWINGS REQUIRED

3 LS.26 PLAN: BRICK COLUMN AT CAST STONE INSET

N.T.S

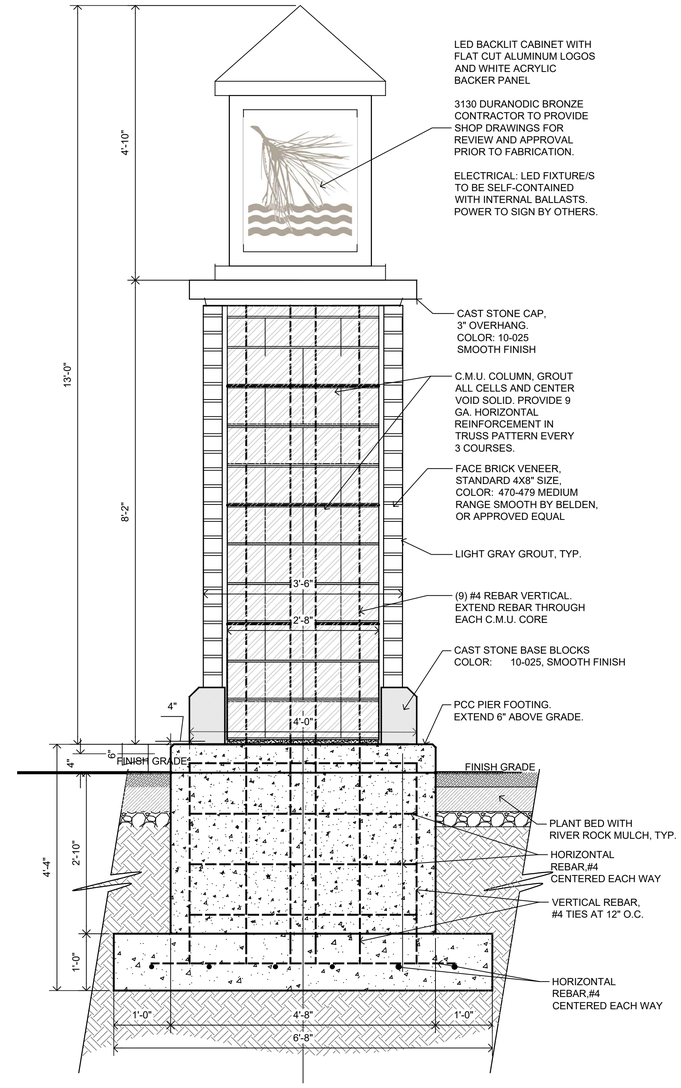


SHOP DRAWINGS REQUIRED

4 LS.26 PLAN: BRICK COLUMN

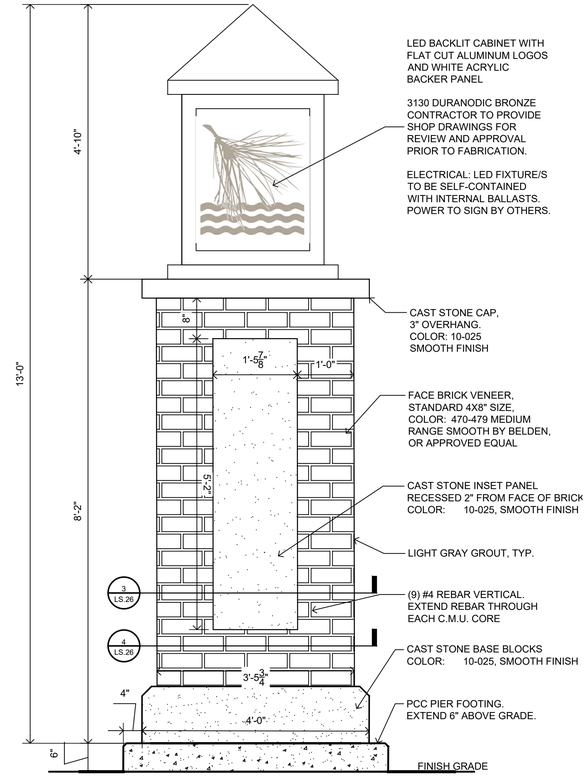
N.T.S

SHOP DRAWINGS REQUIRED



2 LS.26 SECTION: 13' TALL BRICK COLUMN WITH LATERN LIGHT

N.T.S



1 LS.26 ELEVATION: 13' TALL BRICK COLUMN WITH LANTERN LIGHT

N.T.S

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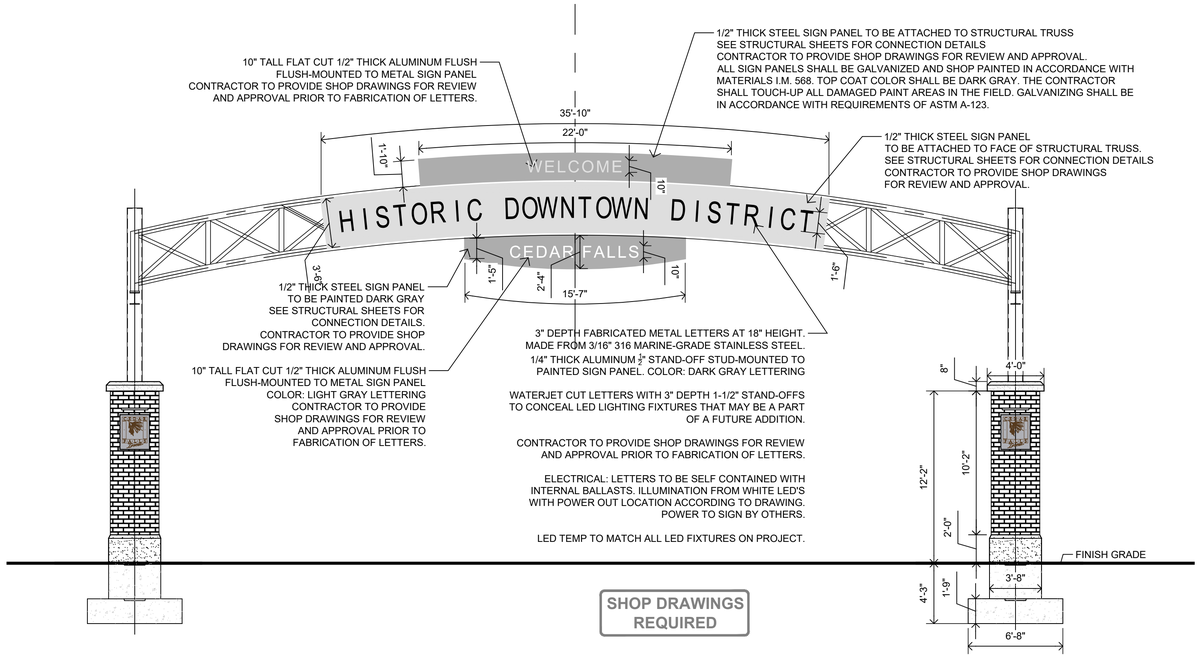
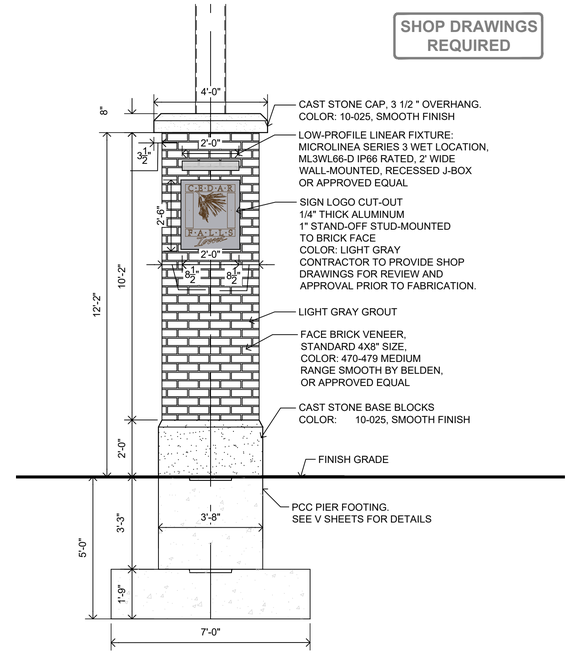
12th STREET RAB 13' LANTERN COLUMN DETAILS

SHEET NO.
LS.26

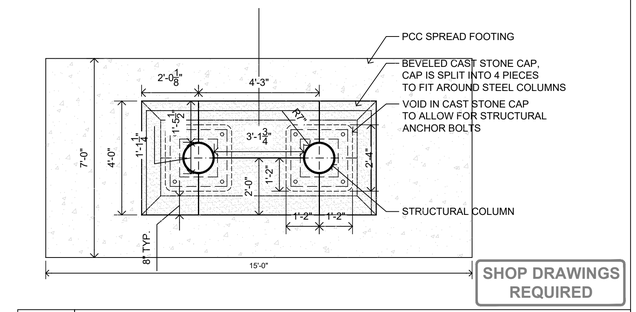
STBG-SWAP-1185(657)--SG-07



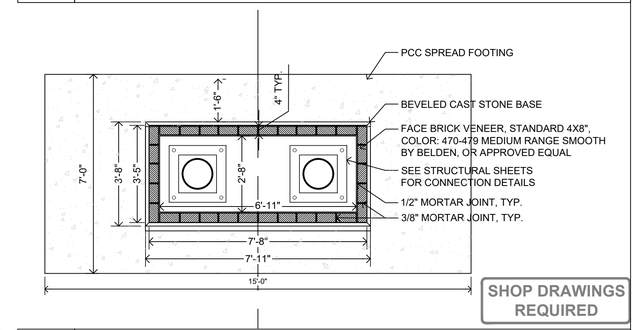
6 LS.27 ELEVATION: DOWNTOWN GATEWAY - NORTHBOUND SIGNAGE DETAILS N.T.S



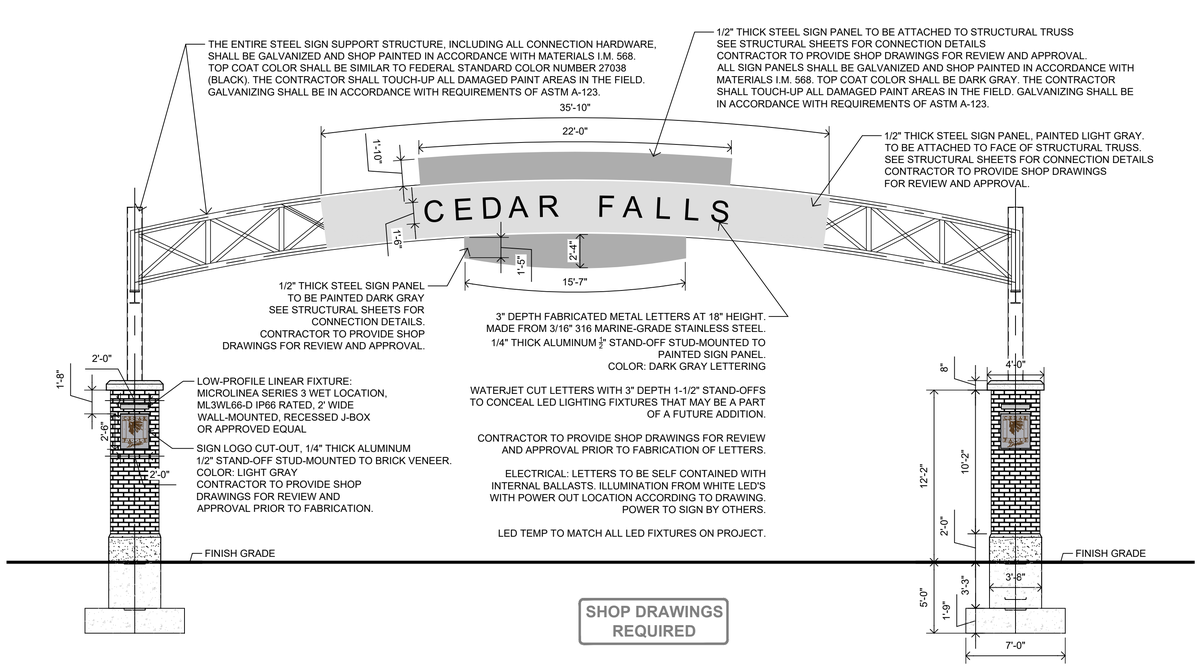
4 LS.27 NORTH/SOUTH ELEVATION: GATEWAY MASONRY COLUMNS N.T.S



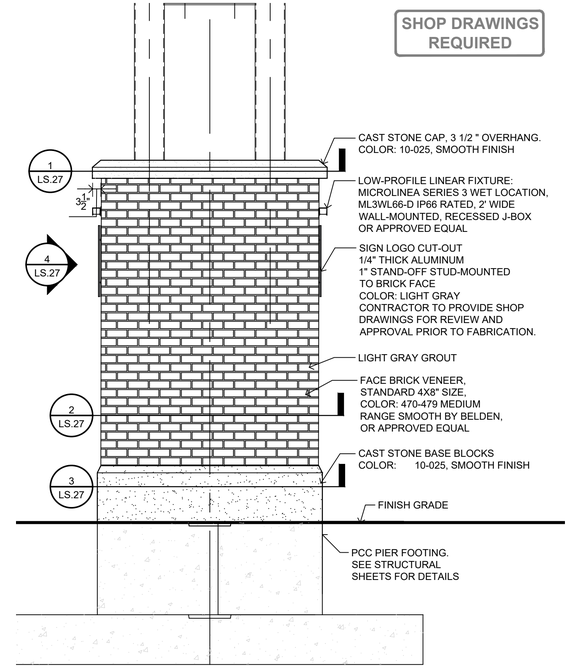
1 LS.27 PLAN: CAST STONE CAP ON COLUMN N.T.S



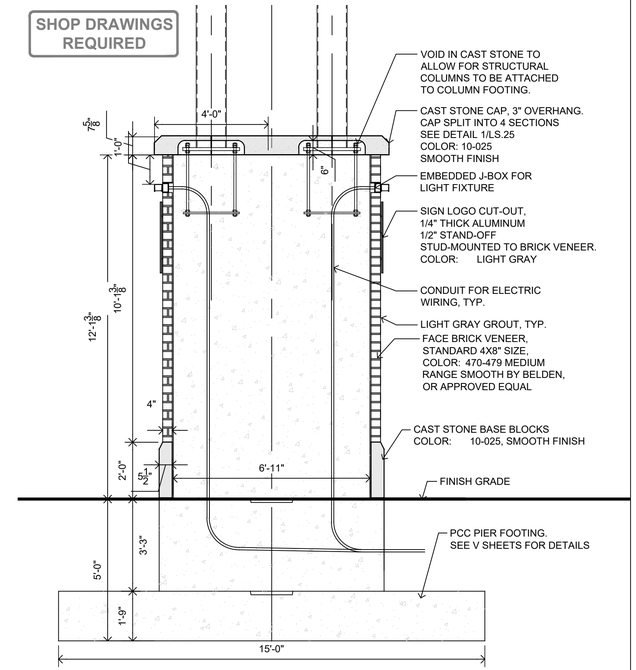
2 LS.27 PLAN: BRICK MASONRY COLUMN N.T.S



7 LS.27 ELEVATION: DOWNTOWN GATEWAY - SOUTHBOUND SIGNAGE DETAILS N.T.S



5 LS.27 EAST/WEST ELEVATION: GATEWAY MASONRY COLUMNS N.T.S



3 LS.27 SECTION: GATEWAY COLUMN N.T.S

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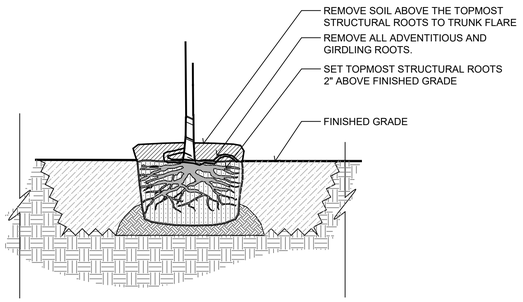
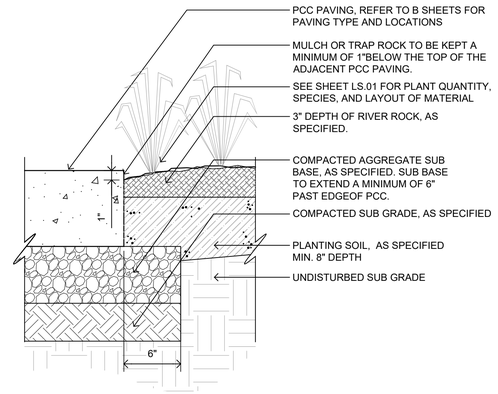
CEDAR FALLS, IA

DOWNTOWN GATEWAY DETAILS

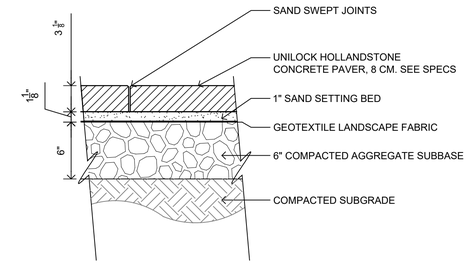
SHEET NO.
LS.27
STBG-SWAP-1185(657)--SG-07



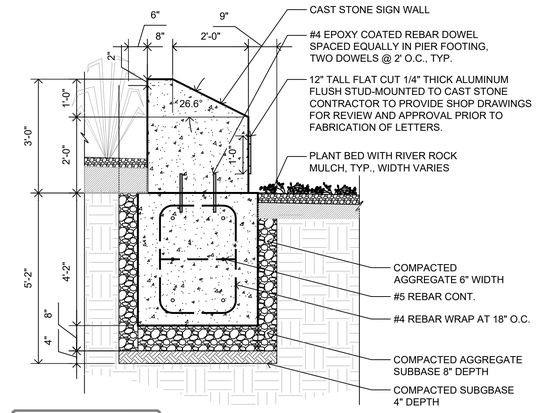
10 LS.28 SECTION: TREE ROOT TRIMMING, TYP. N.T.S



7 LS.28 SECTION: PLANT BED AT PCC CURB, TYP. N.T.S

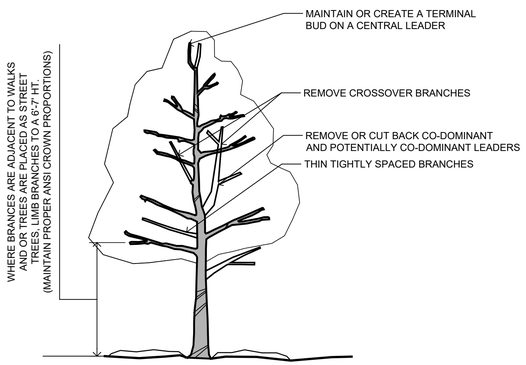


4 LS.28 SECTION: ACCENT PAVERS AT MEDIANS,TYP. N.T.S

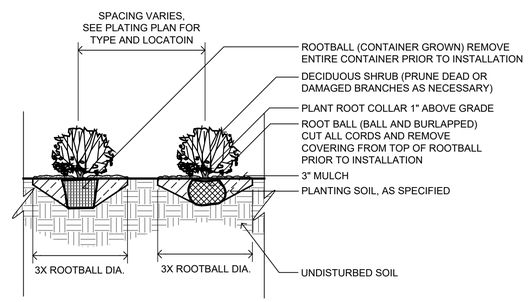


SHOP DRAWINGS REQUIRED

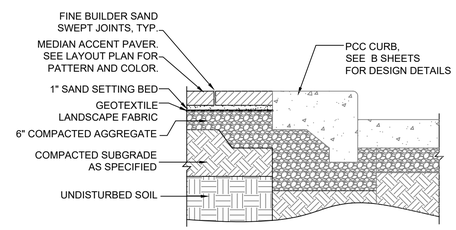
1 LS.28 SECTION: CAST STONE SIGN WALL, TYP. N.T.S



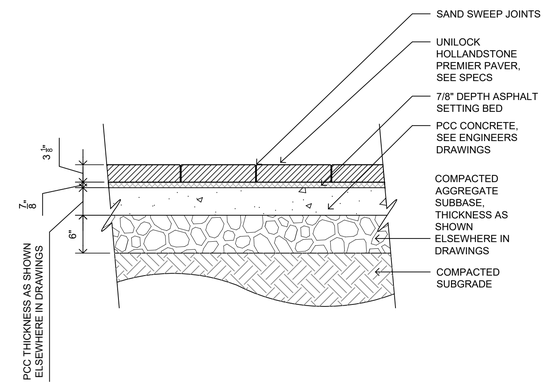
11 LS.28 SECTION: SHRUB PLANTING, TYP. N.T.S



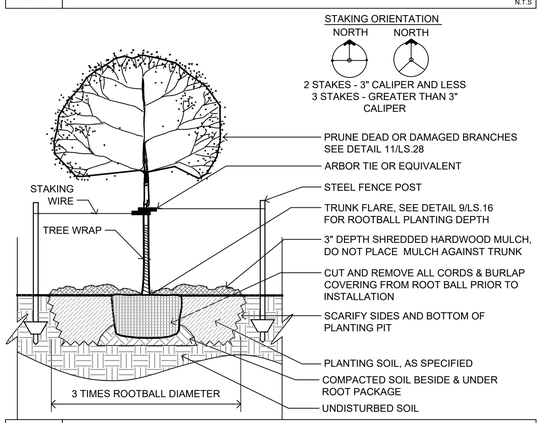
8 LS.28 SECTION: SHRUB PLANTING, TYP. N.T.S



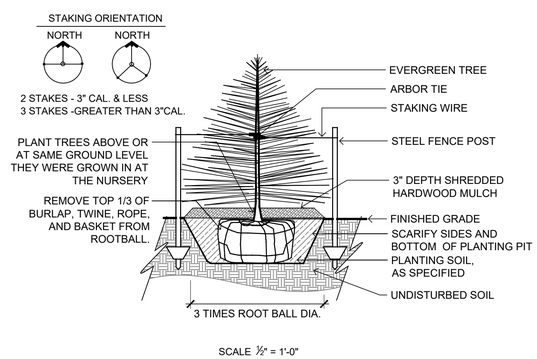
5 LS.28 SECTION: PAVERS TO CURB AT MEDIANS,TYP. N.T.S



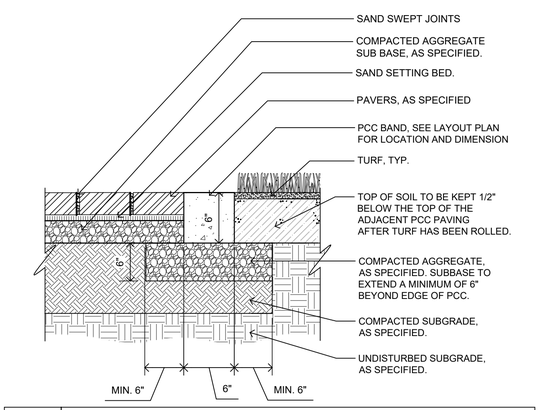
2 LS.28 SECTION: ACCENT PAVERS AT TRUCK APRON N.T.S



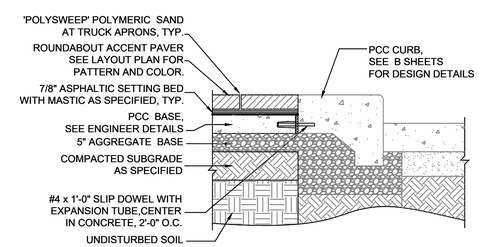
12 LS.28 SECTION: SHADE TREE PLANTING, TYP. N.T.S



9 LS.28 SECTION: EVERGREEN TREE PLANTING, TYP. N.T.S



6 LS.28 SECTION: PCC BAND PAVER RESTRAINT AT TURF N.T.S



3 LS.28 SECTION: PAVERS TO CURB AT TRUCK APRON, TYP. N.T.S

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO:0021C017.02
DESIGNED BY: C.CARPER CHECKED BY: C.CARPER DRAWN BY: B.SANDELL
LETTING DATE: 11/15/2022 CAD DATE:
CAD FILE:

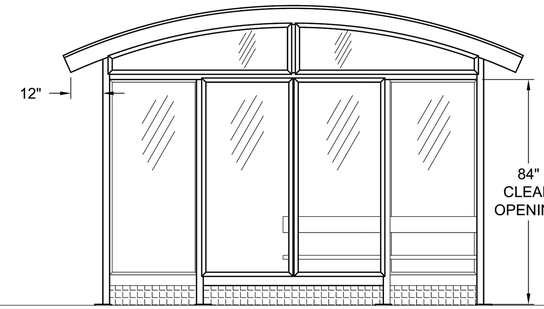
NO	DATE	BY	REVISION DESCRIPTION

Foth

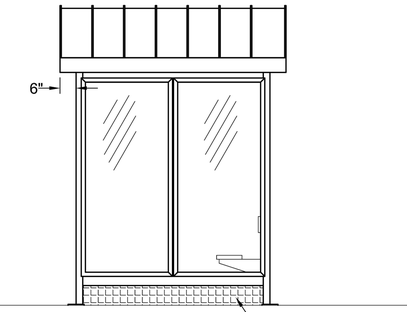
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

LANDSCAPE DETAILS

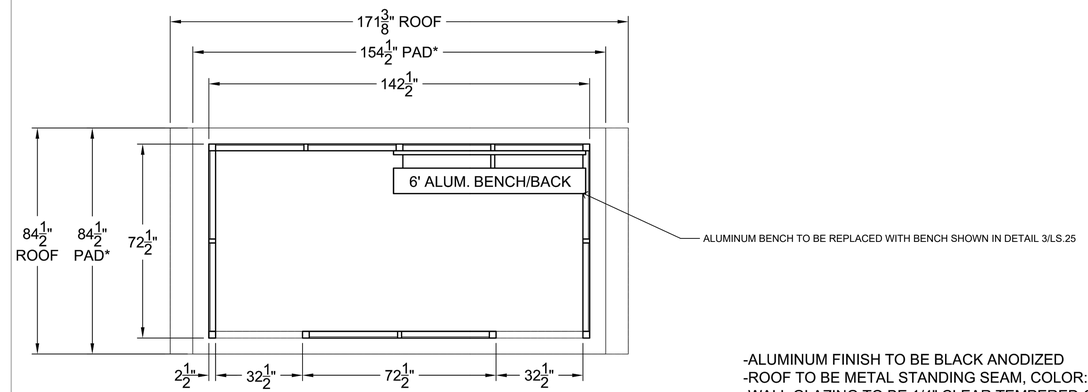
SHEET NO.
LS.28
STBG-SWAP-1185(657)--SG-07



FRONT ELEVATION



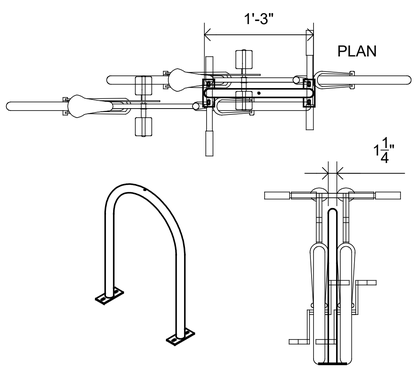
SIDE ELEVATION



PLAN VIEW

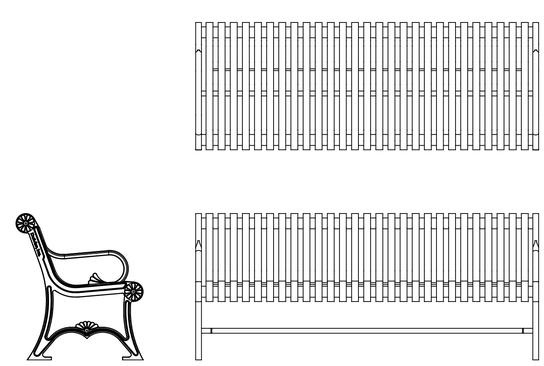
-ALUMINUM FINISH TO BE BLACK ANODIZED
-ROOF TO BE METAL STANDING SEAM, COLOR: MATTE BLACK
-WALL GLAZING TO BE 1/4" CLEAR TEMPERED GLASS

1 LS.29 BUS SHELTER DETAILS N.T.S

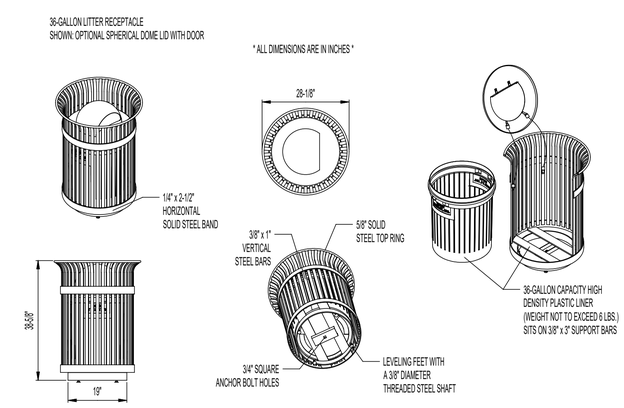


ELEVATION

4 LS.29 BICYCLE RACK DETAILS N.T.S



3 LS.29 BENCH DETAILS N.T.S



2 LS.29 TRASH RECEPTACLE DETAILS N.T.S

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO:0021C017.02
DESIGNED BY: C.CARPER CHECKED BY: C.CARPER DRAWN BY: B.SANDELL
LETTING DATE: 11/15/2022 CAD DATE:
CAD FILE:

NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

SITE FURNISHING DETAILS

SHEET NO.
LS.29
STBG-SWAP-1185(657)--SG-07

Main Street Landscape Bid Items	Qty	Unit	Unit Cost	Remarks
Pavers				
Type 1 Pavers at Truck Apron	4464	SF		includes HMA base and polymeric sand swept joints
Type 2 Pavers at Truck Apron	1008	SF		includes HMA base and polymeric sand swept joints
Type 3 Pavers at Splitter Medians	9277	SF		includes HMA base and polymeric sand swept joints
Type 4 Pavers at Downtown Streetscape	2858	SF		on 8" aggregate with polymeric sand swept joints
Type 5 Pavers at Downtown Streetscape	606	SF		on 8" aggregate with polymeric sand swept joints
Type 6 Pavers at Downtown Streetscape	3113	SF		on 8" aggregate with polymeric sand swept joints
Type 7 Pavers at Downtown Streetscape	322	SF		on 8" aggregate with polymeric sand swept joints
Type 8 Pavers at 18th RAB Truck Apron	725	SF		includes HMA base and polymeric sand swept joints
Cast Stone Sign Walls				
Sign Wall Cast Stone	1,190	CF		15' Long x 3' Tall - 4 Qty.
Sign Wall Footing	26	CY		
Sign Wall Excavation	77	CY		
Sign Wall Lettering	112	EA		StainlessSteel - 12" Tall, 1/4" Thick
Seerley RAB Masonry Column				
24' Clocktower Feature	1	LS		Masonry Clocktower w cast stone cupola and accent lighting
Clocktower Footing	11	CY		
Clocktower Excavation	13	CY		
18th Street RAB Masonry Column				
16' Lantern Column Feature	1	LS		Mason Column w cast stone base and cap plus accent lighting
Lantern Column Footing	4	CY		
Lantern Column Excavation	6	CY		5' x 5' x 5' depth
12th Street RAB Masonry Columns				
12' Brick Column	1	LS		Mason Column w cast stone base and cap plus accent lighting
13' Brick Column w Latern Light	1	LS		Mason Column w cast stone base and cap plus accent lighting
7' Brick Column	1	LS		Mason Column w cast stone base and cap
Column Footings	9	CY		
Column Excavation	11	CY		
6th-7th Streetscape				
Historic Downtown - Arching Gateway	1	LS		includes footing and masonry column, cast stone and arch structure
Installation	1	LS		
Sign Panels	1	LS		
Lettering and Lighting	1	LS		
Electrical Service	1	LS		
Tree Grates	7	EA		
Site Furnishings				
Bus Shelters	4	EA		
Benches	4	EA		
Trash Receptacles	4	EA		
Vegetation				
Street Trees	276	EA		
Evergreen Trees	3	EA		
Shrubs	45	EA		
Ornamental Grasses	81	EA		
Perennials	112	EA		
Groundcovers	20	EA		
Planting Soil	55	CY		8" depth
Mulch	36	TON		River Rock, 3" depth

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO:0021C017.02
DESIGNED BY: C.CARPER CHECKED BY: C.CARPER DRAWN BY: B.SANDELL
LETTING DATE: 11/15/2022 CAD DATE:
CAD FILE:

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

LANDSCAPE TABULATION

SHEET NO.
LS.30
STBG-SWAP-1185(657)--SG-07

STORM SEWER

* Bid Item

INTAKES AND UTILITY ACCESSES

Structure Number	Location Station	Location Offset	*Type or Standard Road Plan	Rim/Form Grade Elevation	Bottom Well Elevation	Notes
S-1	2000+16.02	1.58 LT	SW-509	873.51	868.54	
S-2	2002+87.34	61.03 LT	SW-542	871.42	866.95	
S-3	2002+86.35	1.53 LT	SW-509	871.21	866.29	
S-4	2003+90.14	59.02 LT	SW-542	870.89	865.89	
S-5	2003+83.42	1.50 LT	SW-509	870.77	864.94	
S-6	2004+85.27	49.65 LT	SW-542	871.78	866.26	
S-7	2004+83.27	1.50 LT	SW-507	871.75	863.69	
S-10	2700+92.95	0.00 RT	SW-502 (48")	872.53	868.20	
S-15	2104+69.36	51.43 LT	SW-507	875.34	870.34	
S-16	2104+69.35	1.47 LT	SW-507	875.34	869.74	
S-17	2103+65.18	51.49 LT	SW-509	874.51	869.51	
S-18	2103+63.40	1.50 LT	SW-507	874.49	868.82	
S-19	2101+84.40	48.29 LT	SW-509	873.07	868.89	
S-20	2101+77.78	1.44 LT	SW-509	873.01	867.17	
S-21	2700+54.93	0.00 RT	SW-509	872.76	867.76	
S-22	2701+45.96	0.00 LT	SW-505 TRIPLE	872.31	867.25	
S-23	2100+88.77	40.73 LT	SW-505	872.34	867.29	
S-24	2702+25.38	0.00 LT	SW-505 TRIPLE	872.03	866.36	
S-25	2702+64.92	0.00 LT	SW-505	872.09	865.61	
S-26	2703+79.81	0.00 LT	SW-401 (48")	873.18	864.67	
S-27	2705+65.08	0.00 RT	SW-507	870.75	862.91	
S-28	2705+63.76	0.00 RT	SW-507	870.85	862.44	
S-29	2705+62.35	65.30 RT	DR-201(24")	862.30		
S-35	2200+47.98	51.49 LT	SW-507	874.64	869.64	
S-36	2200+47.99	1.49 LT	SW-507	874.64	869.04	
S-37	2202+43.56	82.46 LT	SW-509	873.02	868.03	
S-38	2202+40.03	52.68 LT	SW-401 (48")	872.86	867.69	
S-39	2202+10.90	51.50 LT	SW-509	873.10	867.48	
S-40	2202+13.08	1.50 LT	SW-507	873.08	866.83	
S-41	2203+80.08	48.48 LT	SW-509	872.08	867.48	
S-42	2203+80.72	1.54 RT	SW-541	872.07	865.20	
S-43	2205+38.01	48.44 LT	SW-509	871.28	866.28	
S-44	2205+40.03	1.59 RT	SW-542	871.27	864.33	
S-45	2207+55.53	51.48 LT	SW-507	870.19	865.19	

PIPES

Design Length, Slope, and Flowlines are calculated from inside wall to inside wall along CL of pipe.
An additional 2 ft length is added to each side of the Design Length to account for the estimated length to the center of structures.

Line Number	Intake/Utility Access Number From	Intake/Utility Access Number To	Class	Pipe Size Inches	Bid* Length Feet	Design Length Feet	Slope %	Flow Lines Inlet Elevation	Flow Lines Outlet Elevation	Flow Lines Other Elevation	Pipe Profile Sheet Number	Notes
P-1	S-1	S-3	HDPE	15	221	217.3	0.99%	869.04	866.89			
P-2	S-2	S-3	RCP	15	60	55.9	1.00 %	867.45	866.89			
P-3	S-3	S-5	HDPE	15	93	89.1	1.27 %	866.79	865.66			
P-4	S-4	S-5	RCP	15	58	54.1	1.02 %	866.39	865.84			
P-5	S-5	S-7	HDPE	18	98	93.8	1.23 %	865.44	864.29			
P-6	S-6	S-7	RCP	15	49	44.7	0.96 %	866.76	866.33			
P-7	S-7	S-OUTET	RCP	18	115	110.9	1.61 %	864.19	862.40			
P-10	S-10	S-11	RCP	15	33	29.0	4.99 %	868.70	867.25			
P-15	S-15	S-16	RCP	15	54	50.0	1.00 %	870.84	870.34			
P-16	S-16	S-18	HDPE	15	106	101.9	0.80 %	870.24	869.42			
P-17	S-17	S-18	RCP	15	54	50.0	0.50 %	870.01	869.76			
P-18	S-18	S-20	HDPE	15	184	179.6	0.81 %	869.32	867.87			
P-19	S-19	S-20	RCP	15	51	46.8	1.00 %	869.39	868.92			
P-20	S-20	S-25	HDPE	18	125	120.9	0.84 %	867.67	866.65			
P-21	S-21	S-22	HDPE	15	86	81.9	0.50 %	868.26	867.85			
P-22	S-22	S-24	RCP	15	73	69.1	1.00 %	867.75	867.06			
P-23	S-23	S-24	RCP	15	51	46.8	1.00 %	867.79	867.32			
P-24	S-24	S-25	RCP	18	40	35.7	0.98 %	866.86	866.51			
P-25	S-25	S-26	RCP	24	115	111.0	0.76 %	866.11	865.27			
P-26	S-26	S-27	RCP	24	185	181.2	0.75 %	865.17	863.81			
P-27	S-27	S-28	RCP	24	40	36.5	1.01 %	863.41	863.04			
P-28	S-28	S-29	RCP	24	22	18.1	3.57 %	862.94	862.30			
P-35	S-35	S-36	RCP	15	54	50.0	1.00 %	870.14	869.64			
P-36	S-36	S-40	HDPE	15	165	161.1	1.25 %	869.54	867.53			
P-37	S-37	S-38	RCP	15	28	23.9	1.00 %	868.53	868.29			
P-38	S-38	S-39	RCP	15	26	22.2	0.50 %	868.19	868.08			
P-39	S-39	S-40	RCP	15	54	50.0	0.50 %	867.98	867.73			
P-40	S-40	S-42	RCP	18	168	163.7	0.75 %	867.33	866.10			NO GASKETS, EACH JOINT WRAPPED IN FABRIC
P-41	S-41	S-42	RCP	15	50	46.4	1.01 %	867.98	867.51			
P-42	S-42	S-44	HDPE	24	159	155.3	0.50 %	865.70	864.93			
P-43	S-43	S-44	RCP	15	50	46.4	0.99 %	866.78	866.32			
P-44	S-44	S-49	RCP	24	211	206.9	0.75 %	864.83	863.28			NO GASKETS, EACH JOINT WRAPPED IN FABRIC
P-45	S-45	S-49	RCP	15	54	50.0	1.00 %	865.69	865.19			

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: K.WOLLNER CHECKED BY: M. FAHRER DRAWN BY: K. WOLLNER
LETTING DATE: 11/15/2022 CAD DATE: 8/31/2022 10:02:12 AM
CAD FILE: c:\pw_workdir\pw_ie\fvd_kmw3\d0518375\0021C017.02_M01_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

STORM SEWER TABULATION

SHEET NO.
M.1

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Falls IA C\Main Street Reconstruction\CAD\Plans\0021C017.02_M01_SHT

STORM SEWER

* Bid Item

INTAKES AND UTILITY ACCESSES

Structure Number	Location Station	Location Offset	*Type or Standard Road Plan	Rim/Form Grade Elevation	Bottom Well Elevation	Notes
S-46	2207+52.92	1.50 LT	SW-509	870.21	862.68	
S-47	2209+68.77	51.46 LT	SW-507	868.88	863.88	
S-48	2209+66.17	1.50 LT	SW-509	868.91	861.05	
S-49	2211+85.46	51.49 LT	SW-507	866.71	861.71	
S-50	2211+83.39	1.50 LT	SW-509	866.73	858.86	
S-55	2800+77.92	0.00 RT	SW-509	873.76	868.79	
S-57	2800+77.39	1.57 RT	SW-509	873.95	868.37	
S-58	2801+98.12	0.00 RT	SW-509	869.94	864.44	
S-59	2802+85.30	0.00 RT	SW-509	865.69	861.58	
S-60	2802+87.34	0.00 RT	SW-509	865.69	860.55	
S-61	2803+83.50	0.00 RT	SW-505 TRIPLE	864.33	859.72	
S-62	2803+69.98	53.81 RT	SW-505	863.86	859.26	
S-63	2804+10.94	0.00 LT	SW-502 (84")	863.40	857.64	
S-64	2804+71.40	0.00 RT	SW-506	863.31	857.15	
S-65	2805+22.41	0.00 RT	SW-506 TRIPLE	863.98	856.97	
S-66	2805+20.41	0.00 LT	SW-509	863.45	858.45	
S-67	2805+64.13	0.00 LT	SW-509	863.44	857.76	
S-68	2805+62.30	0.00 LT	SW-506	863.16	856.67	
S-69	2806+51.78	0.00 RT	SW-510	863.84	855.75	
S-70	2807+02.03	0.00 LT	SW-502 (60")	864.64	855.42	
S-75	2313+26.40	51.50 LT	SW-509	877.92	872.92	
S-76	2313+24.20	1.50 LT	SW-507	877.89	872.32	
S-77	2311+58.67	82.68 LT	SW-509	877.36	872.27	
S-78	2311+93.13	51.49 LT	SW-507	876.06	870.96	
S-79	2311+92.75	1.50 LT	SW-507	876.05	869.67	
S-80	2310+35.20	51.52 LT	SW-509	873.85	868.85	
S-81	2310+33.61	1.50 LT	SW-507	873.82	867.63	
S-82	2308+29.75	83.31 LT	SW-509	871.91	866.91	
S-83	2308+63.27	51.48 LT	SW-509	871.80	866.43	
S-84	2308+60.50	1.49 LT	SW-507	871.77	865.30	
S-85	2306+90.45	51.79 LT	SW-509	869.77	864.77	
S-86	2306+88.52	1.50 LT	SW-507	869.74	863.10	
S-87	2304+93.86	83.39 LT	SW-509	866.90	862.40	
S-88	2305+27.54	51.51 LT	SW-509	867.37	862.01	

PIPES

Design Length, Slope, and Flowlines are calculated from inside wall to inside wall along CL of pipe.
An additional 2 ft length is added to each side of the Design Length to account for the estimated length to the center of structures.

Line Number	Intake/Utility Access Number From	Intake/Utility Access Number To	Class	Pipe Size Inches	Bid* Length Feet	Design Length Feet	Slope %	Flow Lines Inlet Elevation	Flow Lines Outlet Elevation	Flow Lines Other Elevation	Pipe Profile Sheet Number	Notes
P-46	S-49	S-51	HDPE	24	209	205.3	0.75 %	863.18	861.65			
P-47	S-50	S-51	RCP	15	54	50.0	1.00 %	864.38	863.88			
P-48	S-51	S-53	HDPE	24	213	209.2	1.00 %	861.55	859.46			
P-49	S-52	S-53	RCP	15	54	50.0	0.50 %	862.21	861.96			
P-50	S-53	S-OULET	RCP	24	190	186.1	1.27 %	859.36	857.00			
P-55	S-55	S-57	RCP	15	36	31.7	1.01 %	869.29	868.97			
P-56	EXISTING	S-57	RCP	15	19	15.2	1.05 %	869.50	869.34			
P-57	S-57	S-58	RCP	24	117	112.8	3.40 %	868.87	865.04			
P-58	S-58	S-60	HDPE	24	85	81.2	4.30 %	864.94	861.45			
P-59	S-59	S-60	RCP	15	34	30.4	0.86 %	862.08	861.82			
P-60	S-60	S-63	HDPE	30	120	116.3	2.24 %	861.05	858.44			
P-61	S-61	S-62	HDPE	15	40	36.2	0.99 %	860.22	859.86			
P-62	S-62	S-63	RCP	18	66	62.3	0.71 %	859.76	859.32			
P-63	S-63	S-64	RCP	36	61	57.0	0.68 %	858.14	857.75			
P-64	S-64	S-65	HDPE	36	49	44.5	0.18 %	857.65	857.57			
P-65	S-65	S-68	RCP	36	40	35.9	0.84 %	857.47	857.17			
P-66	S-66	S-67	RCP	15	53	48.9	1.00 %	858.95	858.46			
P-67	S-67	S-68	HDPE	18	67	63.2	0.60 %	858.26	857.88			
P-68	S-68	S-69	HDPE	36	86	82.1	1.00 %	857.17	856.35			
P-69	S-69	S-70	RCP	36	48	44.4	0.52 %	856.25	856.02			
P-70	S-70	S-OUTLET	HDPE	36	24	20.3	0.98 %	855.92	855.72			
P-75	S-75	S-76	RCP	15	54	50.0	1.00 %	873.42	872.92			
P-76	S-76	S-79	HDPE	15	131	127.5	1.92 %	872.82	870.37			
P-77	S-77	S-78	RCP	15	44	40.2	3.01 %	872.77	871.56			
P-78	S-78	S-79	RCP	18	54	50.0	0.50 %	871.46	871.21			
P-79	S-79	S-81	RCP	18	159	155.1	1.25 %	870.17	868.23			NO GASKETS, EACH JOINT WRAPPED IN FABRIC
P-80	S-80	S-81	RCP	15	54	50.0	1.00 %	869.35	868.85			
P-81	S-81	S-84	HDPE	24	173	169.1	1.32 %	868.13	865.90			
P-82	S-82	S-83	RCP	15	42	38.5	0.99 %	867.41	867.03			
P-83	S-83	S-84	RCP	15	54	50.0	1.00 %	866.93	866.43			
P-84	S-84	S-86	RCP	24	172	168.0	1.25 %	865.80	863.70			NO GASKETS, EACH JOINT WRAPPED IN FABRIC
P-85	S-85	S-86	RCP	15	54	50.3	0.99 %	865.27	864.77			
P-86	S-86	S-89	HDPE	24	163	158.6	1.25 %	863.60	861.62			
P-87	S-87	S-88	RCP	15	43	38.7	0.49 %	862.90	862.71			

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: K.WOLLNER CHECKED BY: M. FAHRER DRAWN BY: K. WOLLNER
LETTING DATE: 11/15/2022 CAD DATE: 8/31/2022 10:02:14 AM
CAD FILE: c:\pw_workdir\pw_ie\fvd_kmw3\d0518375\0021C017.02_M01_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

STORM SEWER TABULATION

SHEET NO.
M.2

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STORM SEWER

* Bid Item

INTAKES AND UTILITY ACCESSES

Structure Number	Location Station	Location Offset	*Type or Standard Road Plan	Rim/Form Grade Elevation	Bottom Well Elevation	Notes
S-89	2305+25.97	1.50 LT	SW-507	867.34	860.72	
S-90	2303+59.36	51.49 LT	SW-509	865.49	860.49	
S-91	2303+57.17	1.50 LT	SW-507	865.47	859.38	
S-92	2301+61.70	81.20 LT	SW-509	864.53	859.49	
S-93	2301+90.64	51.49 LT	SW-507	864.49	859.15	
S-94	2301+91.63	1.50 LT	SW-507	864.50	857.77	
S-96	2301+22.33	55.14 LT	SW-403 (11X11)	864.09	855.97	
S-97	2300+49.62	59.87 LT	SW-403 (11X11)	863.68	855.62	
S-98	2300+45.75	0.35 LT	SW-403 (11X11)	864.02	855.21	
S-99	2300+36.51	142.62 RT	HEADWALL	854.86		
S-105	2400+15.51	32.05 LT	SW-505	882.40	877.40	
S-106	2400+46.51	31.57 LT	SW-505	882.03	876.49	
S-107	2400+50.00	0.05 RT	SW-401 (48")	879.75	875.25	
S-108	2401+66.24	1.45 LT	SW-505 TRIPLE	879.03	873.54	
S-109	2900+87.00	0.10 LT	SW-401 (48")	886.44	878.50	
S-110	2901+89.53	39.31 LT	SW-505 TRIPLE	879.90	874.95	
S-111	2901+90.61	1.03 RT	SW-502 (72")	880.32	873.98	
S-112	2902+41.16	1.04 RT	SW-502 (60")	879.31	873.14	
S-113	2402+44.88	0.03 LT	SW-506 TRIPLE	878.50	871.94	
S-114	2402+86.70	0.85 RT	SW-502 (60")	878.55	871.29	
S-115	2408+28.28	50.69 LT	SW-401 (60")	874.15	869.89	
S-116	2408+63.33	51.41 LT	SW-509	874.01	869.00	
S-117	2408+62.96	1.44 LT	SW-509	874.01	868.65	
S-118	2408+31.94	96.45 LT	SW-509	874.97	870.47	
S-119	2407+93.33	97.02 LT	SW-509	875.10	869.91	
S-120	2407+96.62	0.00 RT	SW-401 (60")	874.84	868.28	
S-121	2407+60.09	52.04 LT	SW-509	874.63	869.44	
S-122	2407+59.12	2.02 LT	SW-508	874.65	868.03	
S-123	2405+99.23	41.84 LT	SW-509	876.40	871.34	
S-124	2406+01.84	2.00 LT	SW-510	876.31	867.24	
S-125	2405+04.54	2.05 LT	SW-508	877.72	866.72	
S-126	2404+28.91	1.05 RT	SW-502 (60")	877.35	866.29	
S-127	2403+93.98	0.75 RT	SW-502 (60")	877.69	866.06	
S-128	2403+61.99	1.87 RT	SW-510	876.71	865.72	

PIPES

Design Length, Slope, and Flowlines are calculated from inside wall to inside wall along CL of pipe.
An additional 2 ft length is added to each side of the Design Length to account for the estimated length to the center of structures.

Line Number	Intake/Utility Access Number From	Intake/Utility Access Number To	Class	Pipe Size Inches	Bid* Length Feet	Design Length Feet	Slope %	Flow Lines Inlet Elevation	Flow Lines Outlet Elevation	Flow Lines Other Elevation	Pipe Profile Sheet Number	Notes
P-88	S-88	S-89	RCP	18	54	50.0	0.80 %	862.51	862.11			
P-89	S-89	S-91	RCP	30	169	164.8	0.57 %	861.22	860.28			NO GASKETS, EACH JOINT WRAPPED IN FABRIC
P-90	S-90	S-91	RCP	15	54	50.0	1.00 %	860.99	860.49			
P-91	S-91	S-94	HDPE	30	166	161.5	0.75 %	859.88	858.67			
P-92	S-92	S-93	RCP	15	42	37.6	0.38 %	859.99	859.85			
P-93	S-93	S-94	RCP	18	54	50.0	1.00 %	859.65	859.15			
P-94	S-94	S-98	RCP	36	143	138.9	1.22 %	858.27	856.58			
P-95	EXISTING	S-96	RCP	42	11	7.4	1.09 %	856.82	856.74			
P-96	S-96	S-97	RCB	8' X 4'	60.4	60.4	0.34%	856.64	856.39			
P-97	S-97	S-98	RCB	8' X 4'	47.1	47.1	0.35%	856.29	856.08			
P-98	S-98	S-99	RCB	8' X 4'	126.9	126.9	0.71%	855.88	854.86			
P-105	S-105	S-106	RCP	15	31	27.0	3.00 %	877.90	877.09			
P-106	S-106	S-107	RCP	15	31	26.6	4.28 %	876.99	875.85			
P-107	S-107	S-108	HDPE	15	113	108.9	1.48 %	875.75	874.14			
P-108	S-108	S-113	HDPE	18	74	70.2	1.03 %	874.04	873.32			
P-109	S-109	S-111	HDPE	30	102	98.2	4.17 %	879.00	874.90			
P-110	S-110	S-111	RCP	18	38	34.3	1.25 %	875.45	875.02			
P-111	S-111	S-112	HDPE	30	50	45.8	1.83 %	874.48	873.64			
P-112	S-112	S-113	HDPE	30	77	73.3	1.50 %	873.64	872.54			
P-113	S-113	S-114	RCP	30	41	36.7	1.50 %	872.44	871.89			
P-114	S-114	S-128	RCP	30	75	70.9	3.22 %	871.79	869.51			
P-115	S-115	S-116	RCP	15	33	28.7	1.01 %	870.39	870.10			
P-116	S-116	S-117	RCP	24	54	50.0	0.50 %	869.50	869.25			
P-117	S-117	S-120	RCP	24	64	59.8	0.45 %	869.15	868.88			
P-118	S-118	S-119	RCP	15	40	36.0	1.00 %	870.97	870.61			
P-119	S-119	S-120	RCP	18	95	90.6	0.85 %	870.41	869.64			
P-120	S-120	S-122	HDPE	30	37	33.0	0.46 %	868.78	868.63			
P-121	S-121	S-122	RCP	15	54	50.0	0.50 %	869.94	869.69			
P-122	S-122	S-124	HDPE	30	155	151.3	0.46 %	868.53	867.84			
P-123	S-123	S-124	RCP	15	44	39.6	0.86 %	871.84	871.50			
P-124	S-124	S-125	HDPE	30	95	91.2	0.46 %	867.74	867.32			
P-125	S-125	S-126	RCP	30	76	71.9	0.46 %	867.22	866.89			
P-126	S-126	S-127	RCP	30	32	28.4	0.46 %	866.79	866.66			
P-127	S-127	S-128	RCP	30	34	29.5	0.47 %	866.56	866.42			

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LETTING DATE: 11/15/2022 CAD DATE: 8/31/2022 10:02:16 AM
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

STORM SEWER TABULATION

SHEET NO.
M.3

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STORM SEWER

* Bid Item

INTAKES AND UTILITY ACCESSES

Structure Number	Location Station	Location Offset	*Type or Standard Road Plan	Rim/Form Grade Elevation	Bottom Well Elevation	Notes
S-129	2906+46.07	30.06 LT	SW-509	870.52	866.02	
S-130	2906+46.07	1.02 LT	SW-510	870.52	862.64	
S-131	2907+55.86	1.13 LT	SW-402 (6X6)	870.88	860.03	
S-135	2407+99.55	27.65 RT	SW-507	875.62	869.55	
S-136	2500+72.49	75.87 LT	SW-509	875.43	870.93	
S-138	2500+38.52	67.19 LT	SW-542	875.41	868.41	
S-139	2504+50.97	51.53 LT	SW-507	878.45	873.45	
S-140	2504+51.07	1.50 LT	SW-507	878.44	872.85	
S-141	2501+09.57	51.27 LT	SW-509	875.64	871.14	
S-143	2501+17.52	1.46 LT	SW-507	875.62	869.77	
S-144	2500+56.19	0.11 LT	SW-401 (60")	875.41	868.09	
S-150	2600+44.99	51.47 LT	SW-507	878.42	873.92	
S-151	2600+46.00	1.51 LT	SW-509	878.42	873.32	
S-152	2604+07.88	82.63 LT	SW-509	873.76	869.50	
S-153	2604+05.73	53.64 LT	SW-401 (48")	873.32	869.28	
S-154	2603+76.32	51.51 LT	SW-509	873.87	868.96	
S-155	2603+76.24	1.51 LT	SW-509	873.87	868.61	
S-156	2605+16.80	51.48 LT	SW-509	871.23	867.01	
S-157	2605+17.63	1.47 LT	SW-541	871.22	866.32	
S-158	2606+32.31	51.45 LT	SW-509	869.30	864.37	
S-159	2606+31.70	1.48 LT	SW-509	869.31	863.65	
S-160	2607+47.51	0.00 RT	SW-401 (48")	867.25	861.13	
S-161	2608+03.77	0.00 RT	SW-507	866.84	860.70	
S-162	2608+58.33	1.61 RT	SW-509	866.52	860.28	
		TOTAL:	DR-201 (24")	1		
			SW-401 (48")	6		
			SW-401 (60")	3		
			SW-402 (6 X 6)	1		
			SW-403 (11 X11)	3		
			SW-502 (48")	1		
			SW-502 (60")	5		
			SW-502 (72")	1		
			SW-502 (84")	1		
			SW-505	5		
			SW-505 TRIPLE	5		
			SW-506	2		
			SW-506 TRIPLE	2		
			SW-507	28		
			SW-508	2		
			SW-509	48		
			SW-510	4		
			SW-541	2		
			SW-542	5		
			SW-509 TOP ONLY	2		

PIPES

Design Length, Slope, and Flowlines are calculated from inside wall to inside wall along CL of pipe.
An additional 2 ft length is added to each side of the Design Length to account for the estimated length to the center of structures.

Line Number	Intake/Utility Access Number From	Intake/Utility Access Number To	Class	Pipe Size Inches	Bid* Length Feet	Design Length Feet	Slope %	Flow Lines Inlet Elevation	Flow Lines Outlet Elevation	Flow Lines Other Elevation	Pipe Profile Sheet Number	Notes
P-128	S-128	S-130	RCP	36	203	199.3	1.50 %	866.22	863.24			
P-129	S-129	S-130	RCP	15	33	29.0	1.00 %	866.52	866.23			
P-130	S-130	S-131	RCP	36	107	102.8	2.00 %	863.14	861.08			
P-136	S-136	S-138	RCP	15	35	31.4	0.99 %	871.43	871.12			
P-137	EXISTING	S-138	RCP	30	23	18.7	0.53 %	869.11	869.01			
P-138	S-138	S-144	RCP	36	69	64.8	0.34 %	868.91	868.69			
P-139	S-139	S-140	RCP	15	54	50.0	1.00 %	873.95	873.45			
P-140	S-140	S-143	RCP	15	334	329.6	0.75 %	873.35	870.87			NO GASKETS, EACH JOINT WRAPPED IN FABRIC
P-141	S-141	S-143	RCP	15	54	50.0	1.00 %	871.64	871.14			
P-142	S-44	S-143	RCP	12	15	11.4	0.96 %	872.41	872.30			
P-143	S-143	S-144	RCP	24	61	56.8	1.25 %	870.27	869.56			
P-150	S-150	S-151	RCP	15	54	50.0	1.00 %	874.42	873.92			
P-151	S-151	S-155	RCP	15	326	322.3	1.25 %	873.82	869.80			NO GASKETS, EACH JOINT WRAPPED IN FABRIC
P-152	S-152	S-153	RCP	15	27	23.0	0.52 %	870.00	869.88			
P-153	S-153	S-154	RCP	15	27	23.4	0.51 %	869.78	869.66			
P-154	S-154	S-155	RCP	18	54	50.0	0.50 %	869.46	869.21			
P-155	S-155	S-157	RCP	18	139	135.4	1.34 %	869.11	867.22			NO GASKETS, EACH JOINT WRAPPED OM FABRIC
P-156	S-156	S-157	RCP	15	54	50.0	0.50 %	867.51	867.26			
P-157	S-157	S-159	HDPE	24	112	108.1	2.01%	866.82	864.53			
P-158	S-158	S-159	RCP	15	54	50.0	0.50 %	864.87	864.62			
P-159	S-159	S-160	RCP	24	54	50	2.37%	864.43	861.73			NO GASKETS, EACH JOINT WRAPPED IN FABRIC
P-160	S-160	S-161	RCP	18	55	50.9	0.39%	861.63	861.30			NO GASKETS, EACH JOINT WRAPPED IN FABRIC
P-160B	S-160	CAPPED	RCP	24	28	23.5	0.50%	861.63	861.51			CAPPED AT BOTH ENDS
P-161	S-161	S-162	RCP	18	55	51.0	0.63%	861.20	860.88			
P-162	S-162	EXISTING	HDPE	18	50	45.9	0.76 %	860.78	860.43			
		TOTAL	HDPE	15	1139							
			HDPE	18	414							
			HDPE	24	1114							
			HDPE	30	802							
			HDPE	36	159							
			RCP	12	15							
			RCP	15	2775							
			RCP	18	1146							
			RCP	24	1303							
			RCP	30	450							
			RCP	36	671							
			RCP	42	11							
			RCB	8 X 4	235							

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: K.WOLLNER CHECKED BY: M. FAHRER DRAWN BY: K. WOLLNER
LETTING DATE: 11/15/2022 CAD DATE: 8/31/2022 3:58:13 PM
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

STORM SEWER TABULATION

SHEET NO.
M.4
STBG-SWAP-1185(657

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LONGITUDINAL SUBDRAIN SHOULDER AND BACKSLOPE

Refer to Soils Sheets

* Not a bid item. Bridge berm quantities assume a trench depth of 24 inches.

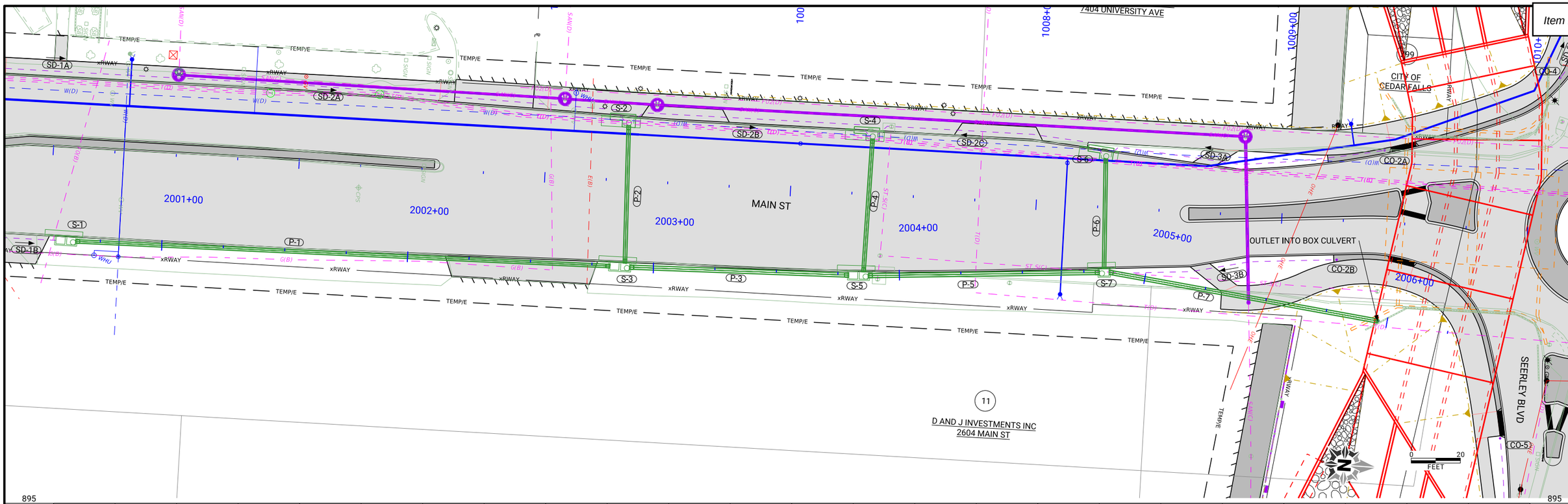
Location						Longitudinal Subdrain (DR-303)							Subdrain Outlet				
Line No.	Road or Lane Identification	Station to Station		Side	Depth (D)	Shoulder		Backslope		Bridge Berm (EW-203 or EW-204)			DR-303, DR-305 or DR-306		Porous* Backfill	Class "A"* Crushed Stone	Remarks
						Size	Length	Size	Length	Standard Road Plan and Type	Size	Length	Station	Standard Road Plan and Type			
					IN	IN	FT	IN	FT		IN	FT			CY	CY	
SD-1	MAIN STREET	1006+34.89	1007+30.13	LT	36.0	6.0	98.2						1007+30.13	DR-303	9.1		S-2 TO S-4
SD-2	MAIN STREET	1008+25.42	1007+34.18	LT	36.0	6.0	94.8						1007+34.18	DR-303	8.8		S-4 TO S-6
SD-3A	MAIN STREET	1008+30.11	1009+40.17	LT	36.0	6.0	111.8						1009+40.17	DR-303	10.4		CO-1A: 1009+40.17, 30.01' LT TO S-6
SD-3B	MAIN STREET	1009+23.19	1008+31.13	RT	36.0	6.0	93.4						1008+31.13	DR-304	8.6		CO-1B: 1009+23.19, 15.51' RT TO S-7
SD-4	SEEERELY BLVD	242+24.06	243+21.67	RT	36.0	6.0	98.1						243+21.67	DR-303	9.1		CO-2: 242+24.07, 16.50' RT TO S-10
SD-5	SEEERELY BLVD	242+24.05	242+74.47	LT	36.0	6.0	50.5						242+74.47	DR-303	4.7		CO-3: 242+24.05, 16.50' LT TO S-21
SD-6	SEEERELY BLVD	243+55.49	243+25.23	RT	36.0	6.0	34.3						243+25.23	DR-303	3.2		CO-4: 243+55.49, 26.76' RT TO S-10
SD-7	SEEERELY BLVD	245+07.65	246+67.81	RT	36.0	6.0	161.5						246+67.81	DR-303	15.0		CO-5: 245+07.65, 32.02' RT TO S-28
SD-8	SEEERELY BLVD	244+86.26	246+70.28	LT	36.0	6.0	186.4						246+70.28	DR-303	17.3		S-26 TO S-27
SD-9	MAIN STREET	1010+73.43	1011+33.28	LT	36.0	6.0	79.8						1011+33.28	DR-303	7.4		S-22 TO S-24
SD-10	MAIN STREET	1010+45.62	1011+50.92	RT	36.0	6.0	115.8						1011+50.92	DR-303	10.7		S-26 TO S-25
SD-11	MAIN STREET	1012+84.55	1011+96.80	LT	36.0	6.0	90.0						1011+96.80	DR-303	8.3		S-19 TO S-23
SD-12	MAIN STREET	1014+65.40	1012+92.64	LT	36.0	6.0	173.0						1012+92.64	DR-303	16.0		S-17 TO S-19
SD-13	MAIN STREET	1015+71.58	1014+73.44	LT	36.0	6.0	98.3						1014+73.44	DR-303	9.1		S-15 TO S-17
SD-14	MAIN/22ND	221+03.82	1015+75.61	LT	36.0	6.0	157.5						1015+75.61	DR-303	14.6		CO-6: 221+03.82, 17.50' RT TO S-15
SD-15	MAIN/22ND	222+53.00	1015+75.60	RT	36.0	6.0	114.0						1015+75.60	DR-303	10.6		CO-7: 222+53.00, 17.50' RT TO S-16
SD-16	MAIN/22ND	221+04.16	1018+76.64	LT	36.0	6.0	226.9						1018+76.64	DR-303	21.0		CO-8: 221+04.16, 17.50' LT TO S-35
SD-17	MAIN/22ND	222+53.00	1018+76.65	RT	36.0	6.0	184.3						1018+76.65	DR-303	17.1		CO-9: 222+53.00, 17.50' LT TO S-36
SD-18	MAIN STREET	1018+80.64	1020+37.51	LT	36.0	6.0	156.9						1020+37.51	DR-303	14.5		S-35 TO S-39
SD-19	MAIN/21ST	212+92.52	1020+43.73	RT	36.0	6.0	82.0						1020+43.73	DR-303	7.6		CO-10: 212+92.52, 17.50' RT TO S-40
SD-20	MAIN/21ST	211+35.00	1022+05.71	LT	36.0	6.0	128.6						1022+05.71	DR-303	11.9		CO-11: 211+35.00, 17.50' LT TO S-41
SD-21	21ST	212+92.52	212+25.36	LT	36.0	6.0	67.2						212+25.36	DR-303	6.2		CO-12: 212+92.52, 17.50 LT TO P-40
SD-22	MAIN STREET	1022+13.82	1023+64.61	LT	36.0	6.0	150.7						1023+64.61	DR-303	14.0		S-41 TO S-43
SD-23	MAIN/20TH	201+35.00	1023+72.65	LT	36.0	6.0	55.3						1023+72.65	DR-303	5.1		CO-13: 201+35.00, 17.50' RT TO S-43
SD-24	MAIN/20TH	203+15.00	1023+79.65	RT	36.0	6.0	107.7						1023+79.65	DR-303	10.0		CO-14: 203+15.00, 17.50' RT TO S-44
SD-25	MAIN/20TH	201+35.00	1025+84.12	LT	36.0	6.0	177.5						1025+84.12	DR-303	16.4		CO-15: 201+35.00, 17.50' LT TO S-45
SD-26	20TH	203+15.00	202+24.32	LT	36.0	6.0	90.7						202+24.32	DR-303	8.4		CO-16: 203+15.00, 17.50' LT TO P-44
SD-27	MAIN STREET	1025+88.19	1027+97.34	LT	36.0	6.0	209.2						1027+97.34	DR-303	19.4		S-45 TO S-47
SD-28	MAIN STREET	1028+01.40	1030+13.76	LT	36.0	6.0	213.2						1030+13.76	DR-303	19.7		S-49 TO S-47
D-29A	MAIN STREET	1031+67.44	1030+17.79	LT	36.0	6.0	152.5						1030+17.79	DR-303	14.1		CO-17A: 1031+67.44, 31.06' LT TO S-49
D-29B	MAIN STREET	1032+02.18	1032+37.10	LT	36.0	6.0	36.3						1032+37.10	DR-303	3.4		CO-17B: 1032+0218, 37.09' LT TO S-61
SD-30	18TH	182+80.44	184+82.30	RT	36.0	6.0	202.3						184+82.30	DR-303	18.7		S-55 TO S-59
SD-31	18TH	184+90.38	185+75.50	RT	36.0	6.0	85.8						185+75.50	DR-303	7.9		S-59 TO S-62
SD-32	MAIN STREET	1033+57.20	1033+15.76	RT	36.0	6.0	52.3						1033+15.76	DR-303	4.8		**S-69 TO S-70**
SD-33	MAIN STREET	1033+40.32	1033+88.91	LT	36.0	6.0	59.2						1033+88.91	DR-303	5.5		S-63 TO S-64
SD-34	MAIN STREET	1035+14.48	1034+47.03	LT	36.0	6.0	69.2						1034+47.03	DR-303	6.4		**S-66 TO S-65**
SD-35	MAIN STREET	1035+40.02	1035+20.42	LT	36.0	6.0	19.7						1035+20.42	DR-303	1.8		S-97 TO S-66
SD-36	MAIN STREET	1035+40.60	1035+18.29	RT	36.0	6.0	25.3						1035+18.29	DR-303	2.3		S-98 TO S-67
SD-37	MAIN STREET	1036+90.91	1035+50.63	RT	36.0	6.0	146.6						1035+50.63	DR-303	13.6		S-94 TO S-98
SD-38	17TH	171+10.00	171+44.65	LT	36.0	6.0	35.4						171+44.65	DR-303	3.3		CO-18: 171+10.00, 17.00' LT TO S-92
SD-39	17TH	171+50.71	1036+90.17	LT	36.0	6.0	56.0						1036+90.17	DR-303	5.2		S-92 TO S-93
SD-40	MAIN STREET	1038+52.05	1036+92.25	LT	36.0	6.0	157.1						1036+92.25	DR-303	14.5		S-90 TO S-93
SD-41	MAIN/16TH	161+34.45	1038+60.14	LT	36.0	6.0	132.1						1038+60.14	DR-303	12.2		CO-19: 161+34.45, 14.50' RT TO S-90
SD-42	16TH	162+60.00	162+26.62	LT	36.0	6.0	33.4						162+26.62	DR-303	3.1		CO-20: 162+60.00, 17.50' RT TO P-89
SD-43	MAIN/16TH	161+45.27	1040+22.32	LT	36.0	6.0	58.4						1040+22.32	DR-303	5.4		S-87 TO S-88
SD-44	16TH	162+60.00	162+26.64	LT	36.0	6.0	33.4						162+26.64	DR-303	3.1		CO-21: 162+60.00, 17.50' LT TO P-89
SD-45	MAIN STREET	1041+83.12	1040+28.35	LT	36.0	6.0	154.8						1040+28.35	DR-303	14.3		S-85 TO S-88
SD-46	15TH/MAIN	151+10.38	1041+91.23	LT	36.0	6.0	154.8						1041+91.23	DR-303	14.3		CO-22: 151+10.38, 17.50' RT TO S-85
SD-47	15TH/MAIN	152+65.00	152+26.95	RT	36.0	6.0	38.0						152+26.95	DR-303	3.5		CO-23: 152+65.00, 17.50' RT TO P-84
SD-48	15TH	151+10.20	151+39.23	LT	36.0	6.0	29.0						151+39.23	DR-303	2.7		CO-24: 151+10.20, 16.89' LT TO S-82
SD-49	MAIN/15TH	151+45.43	1043+57.96	LT	36.0	6.0	55.5						1043+57.96	DR-303	5.1		S-82 TO S-83
SD-50	15TH	152+65.00	152+26.45	LT	36.0	6.0	38.6						152+26.45	DR-303	3.6		CO-25: 152+65.00, 17.50' LT TO S-84
SD-51	MAIN STREET	1045+28.42	1043+64.04	LT	36.0	6.0	164.4						1043+64.04	DR-303	15.2		S-80 TO S-83
SD-52	14TH/MAIN	141+02.59	1045+36.47	LT	36.0	6.0	151.4						1045+36.47	DR-303	14.0		CO-26: 141+02.59, 15.00' RT TO S-80
SD-53	14TH	142+71.17	142+26.59	RT	36.0	6.0	44.6						142+26.59	DR-303	4.1		CO-27: 142+71.17, 18.00' RT TO P-79
SD-54	14TH	141+02.50	141+39.80	LT	36.0	6.0	37.3						141+39.80	DR-303	3.5		CO-28: 141+02.50, 15.00' LT TO S-77
SD-55	14TH/ MAIN	141+46.02	1046+89.83	LT	36.0	6.0	60.3						1046+89.83	DR-303	5.6		S-77 TO S-78
SD-56	14TH	142+71.17	142+26.43	LT	36.0	6.0	44.7						142+26.43	DR-303	4.1		CO-29: 142+71.17, 18.00' LT TO P-79
SD-57	MAIN STREET	1048+19.11	1046+91.81	LT	36.0	6.0	127.3						1046+91.81	DR-303	11.8		S-75 TO S-78
SD-58	13TH/MAIN	131+45.21	1048+27.13	LT	36.0	6.0	146.9						1048+27.13	DR-303	13.6		S-105 TO S-75
SD-59	13TH/MAIN	132+75.00	1048+20.90	RT	36.0	6.0	179.6						1048+20.90	DR-303	16.6		CO-31: 132+75.00, 14.50' RT TO S-76
SD-60	13TH	130+87.50	131+41.54	RT	36.0	6.0	54.9						131+41.54	DR-303	5.1		CO-30: 130+87.50, 17.50' RT TO S-105
SD-61	13TH	130+87.50	131+42.11	LT	36.0	6.0	55.6						131+42.11	DR-303	5.1		CO-32: 130+87.50, 17.50 LT TO S-106
SD-62	13TH/MAIN	132+75.00	1051+89.54	RT	36.0	6.0	240.9						1051+89.54	DR-303	22.3		CO-33: 132+75.00, 19.50' RT TO S-114
SD-63	MAIN STREET	1051+93.87	1052+41.43	RT	36.0	6.0	77.2						1052+41.43	DR-303	7.1		S-114 TO S-128
SD-64	12TH	125+88.04	127+90.68	RT	36.0	6.0	203.8						127+90.68	DR-303	18.9		S-128 TO S-130
SD-65	12TH	127+98.85	129+03.66	RT	36.0	6.0	107.7						129+03.66	DR-303	10.0		S-130 TO S-131
SD-66	12TH	122+08.96	124+14.99	LT	36.0	6.0	207.1						124+14.99	DR-303	19.2		CO-34: 122+08.96, 19.50' LT TO S-110
SD-67	12TH/MAIN	124+22.00	1054+61.42	LT	36.0	6.0	195.0						1054+61.42	DR-303	18.1		S-110 TO S-123
SD-68	12TH/MAIN	1053+70.94	125+78.80	LT	36.0	6.0	83.0						125+78.80	DR-303	7.7		S-125 TO S-126
SD-69	12TH	125+83.83	127+88.79	LT	36.0	6.0	207.6						127+88.79	DR-303	19.2		S-126 TO S-129
SD-70	12TH	127+96.70	128+47.60	LT	36.0	6.0	90.4						128+47.60	DR-303	8.4		S-129 TO EXISTING STRUCTURE
SD-71	MAIN STREET	1054+69.41	1056+22.92	LT	36.0	6.0	154.1						1056+22.92	DR-303	14.3		S-123 TO S-121
SD-72	11TH/MAIN	111+32.58	1056+31.05	LT	36.0	6.0	57.7						1056+31.05	DR-303	5.3		S-119 TO S-121

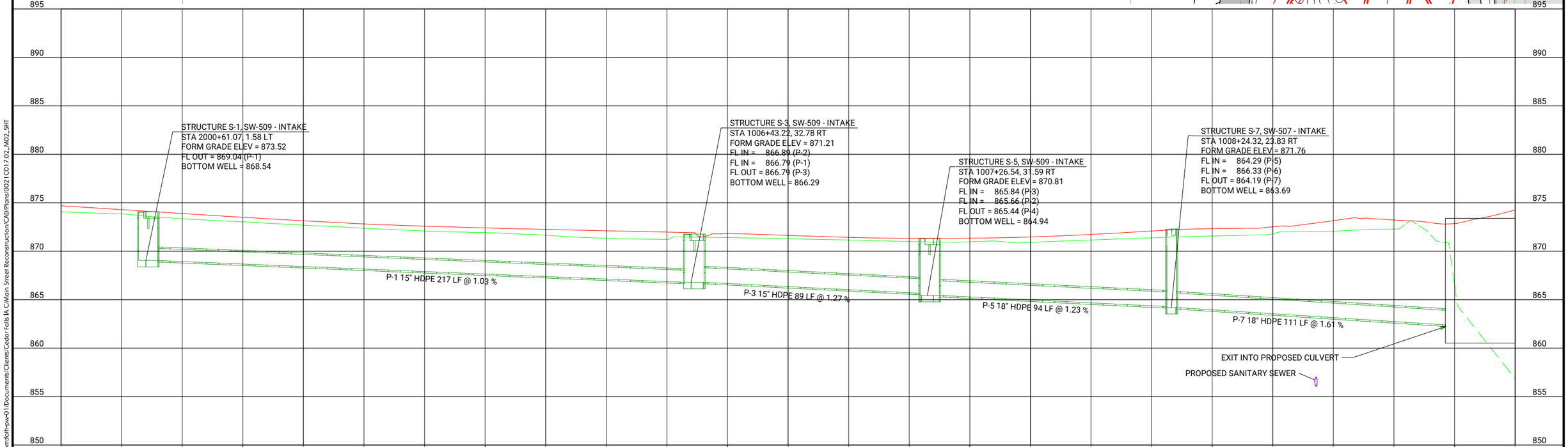
LONGITUDINAL SUBDRAIN SHOULDER AND BACKSLOPE

Refer to Soils Sheets

* Not a bid item. Bridge berm quantities assume a trench depth of 24 inches.

Location						Longitudinal Subdrain (DR-303)							Subdrain Outlet				
Line No.	Road or Lane Identification	Station to Station		Side	Depth (D)	Shoulder		Backslope		Bridge Berm (EW-203 or EW-204)			DR-303, DR-305 or DR-306		Porous* Backfill	Class "A"* Crushed Stone	Remarks
						Size	Length	Size	Length	Standard Road Plan and Type	Size	Length	Station	Standard Road Plan and Type			
					IN	IN	FT	IN	FT		IN	FT			CY	CY	
SD-73	11TH	112+84.35	112+27.60	LT	36.0	6.0	56.7						112+27.60	DR-303	5.3		CO-35: 112+84.35, 14.50' LT TO P-117
SD-74	10TH/MAIN	101+45.89	1057+32.89	LT	36.0	6.0	275.2						1057+32.89	DR-303	25.5		S-138 TO S-116
SD-75	MAIN STREET	1059+93.89	1057+33.24	RT	36.0	6.0	264.0						1057+33.24	DR-303	24.4		S-144 TO S-117
SD-76	10TH	101+25.00	101+39.80	LT	36.0	6.0	14.8						101+39.80	DR-303	1.4		CO-36: 101+25.00, 19.50' LT TO S-136
SD-77	10TH/MAIN	101+47.82	1060+54.22	LT	36.0	6.0	41.1						1060+54.22	DR-303	3.8		S-136 TO S-141
SD-78	10TH/MAIN	102+65.00	1060+54.33	RT	36.0	6.0	58.6						1060+54.33	DR-303	5.4		CO-37: 102+65.00, 14.50' LT TO S-143
SD-79	9TH/MAIN	91+31.25	1060+62.26	LT	36.0	6.0	291.0						1060+62.26	DR-303	26.9		CO-38: 91+31.25, 19.50' RT TO S-141
SD-80	9TH	92+70.00	92+26.44	RT	36.0	6.0	43.6						92+26.44	DR-303	4.0		CO-39: 92+70.00, 19.50' RT TO P-140
SD-81	9TH/MAIN	91+31.25	1063+87.71	LT	36.0	6.0	60.2						1063+87.71	DR-303	5.6		CO-40: 91+31.25, 19.0' LT TO S-139
SD-82	9TH	92+70.00	92+27.17	LT	36.0	6.0	42.8						92+27.17	DR-303	4.0		CO-41: 92+70.00, 19.50' LT TO P-140
SD-83	MAIN STREET	1064+99.04	1063+91.90	LT	36.0	6.0	107.1						1063+91.90	DR-303	9.9		CO-42: 1064+99.04, 27.00' LT TO S-139
SD-84	MAIN STREET	1065+06.31	1063+91.92	RT	36.0	6.0	114.4						1063+91.92	DR-303	10.6		CO-43: 1065+06.31, 27.00' RT TO S-140
SD-85	MAIN STREET	1064+99.04	1066+19.69	LT	36.0	6.0	120.6						1066+19.69	DR-303	11.2		CO-42: 1064+99.04, 27.00' LT TO S-150
SD-86	MAIN STREET	1065+06.31	1066+18.69	RT	36.0	6.0	112.4						1066+18.69	DR-303	10.4		CO-43: 1065+06.31, 27.00' RT TO S-151
SD-87	8TH/MAIN	81+35.00	1066+23.78	LT	36.0	6.0	56.8						1066+23.78	DR-303	5.3		CO-44: 81+35.00, 19.50' RT TO S-150
SD-88	8TH	85+75.00	85+26.41	RT	36.0	6.0	48.6						85+26.41	DR-303	4.5		CO-45: 85+75.00, 14.50' RT TO P-151
SD-89	8TH/MAIN	81+35.00	1069+49.02	LT	36.0	6.0	286.6						1069+49.02	DR-303	26.5		CO-46: 81+35.00, 19.50 LT TO S-154
SD-90	8TH	85+75.00	85+26.64	LT	36.0	6.0	48.3						85+26.64	DR-303	4.5		CO-47: 85+75.00, 14.50' LT TO P-151
SD-91	7TH	72+52.00	72+26.45	RT	36.0	6.0	25.6						72+26.45	DR-303	2.4		CO-48: 72+52.00, 18.50' RT TO P-155
SD-92	7TH/MAIN	71+36.50	1070+74.61	LT	36.0	6.0	79.6						1070+74.61	DR-303	7.4		CO-49: 71+36.50, 19.50' LT TO S-156
SD-93	7TH	72+52.00	72+26.67	LT	36.0	6.0	25.3						72+26.67	DR-303	2.3		CO-50: 72+52.00, 18.50' LT TO P-155
SD-94	MAIN STREET	1070+82.69	1072+04.99	LT	36.0	6.0	122.3						1072+04.99	DR-303	11.3		S-156 TO S-158
SD-95	MAIN STREET	1072+13.10	1073+81.08	LT	36.0	6.0	168.0						1073+81.08	DR-303	15.6		S-158 TO S-162
SD-96	6TH	61+18.00	61+72.94	RT	36.0	6.0	54.9						61+72.94	DR-303	5.1		CO-51: 61+18.00, 19.50' RT TO SD-95
SD-97	6TH	61+18.00	61+72.77	LT	36.0	6.0	54.8						61+72.77	DR-303	5.1		CO-52: 61+18.00, 19.50' LT TO SD-95
						TOTAL:	**10698.1**						**TOTAL:**	**DR-303**	**142.0**		
														CLEANOUTS	**54.0**		





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DESIGNED BY: K. WOLLNER	CHECKED BY: M. FAHRER	DRAWN BY: K. WOLLNER	
LETTING DATE: 11/15/2022	CAD DATE: 8/30/2022	11:13:58 AM	
CAD FILE: c:\pw_workdir\pw_ie\fvd_kmw3\d0518375\0021C017.02_M02_SHT.dgn			

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STORM SEWER PLAN AND PROFILE

SHEET NO.
M.7

STBG-SWAP-1185(657

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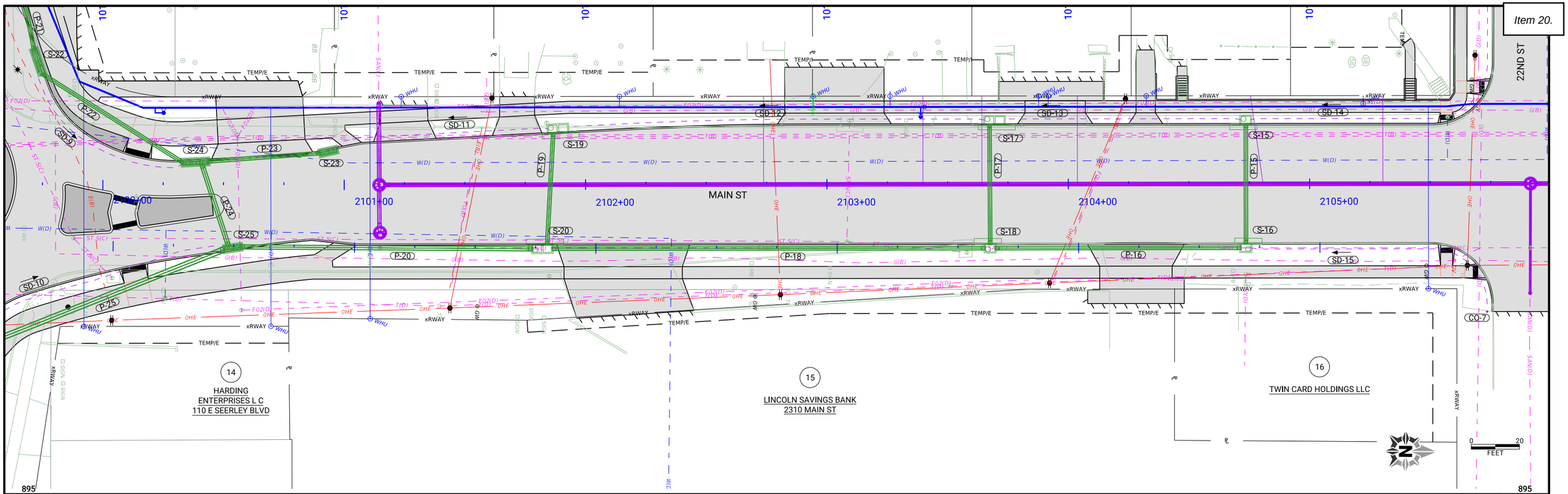

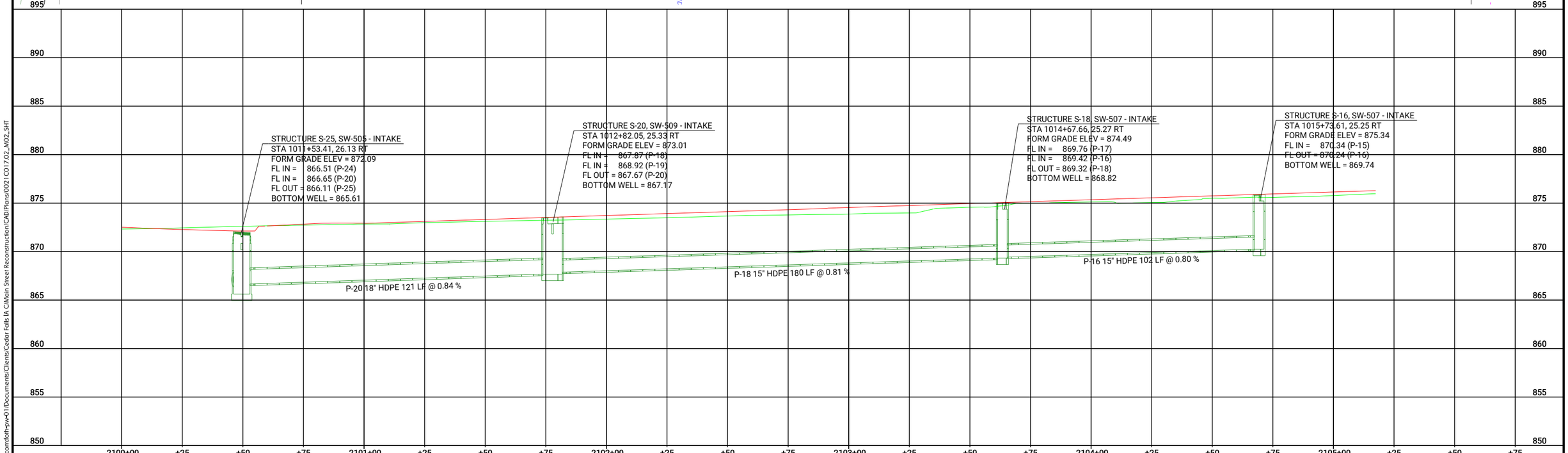

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: K. WOLLNER CHECKED BY: M. FAHRER DRAWN BY: K. WOLLNER
LETTING DATE: 11/15/2022 CAD DATE: 8/30/2022 11:08:27 AM
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STORM SEWER PLAN AND PROFILE

SHEET NO.
M.8
STBG-SWAP-1185(657

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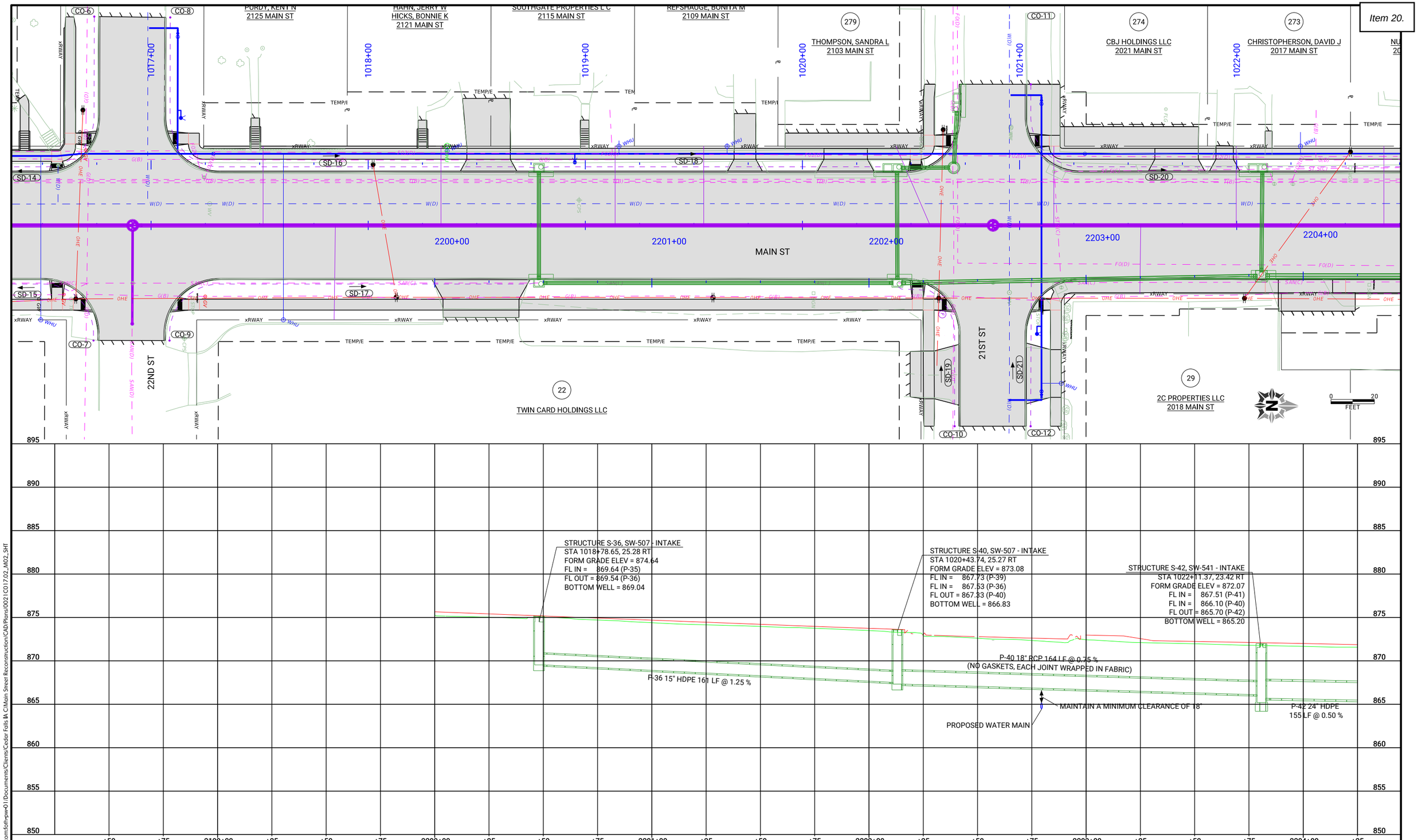

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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: K. WOLLNER CHECKED BY: M. FAHRER DRAWN BY: K. WOLLNER
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NO	DATE	BY	REVISION DESCRIPTION

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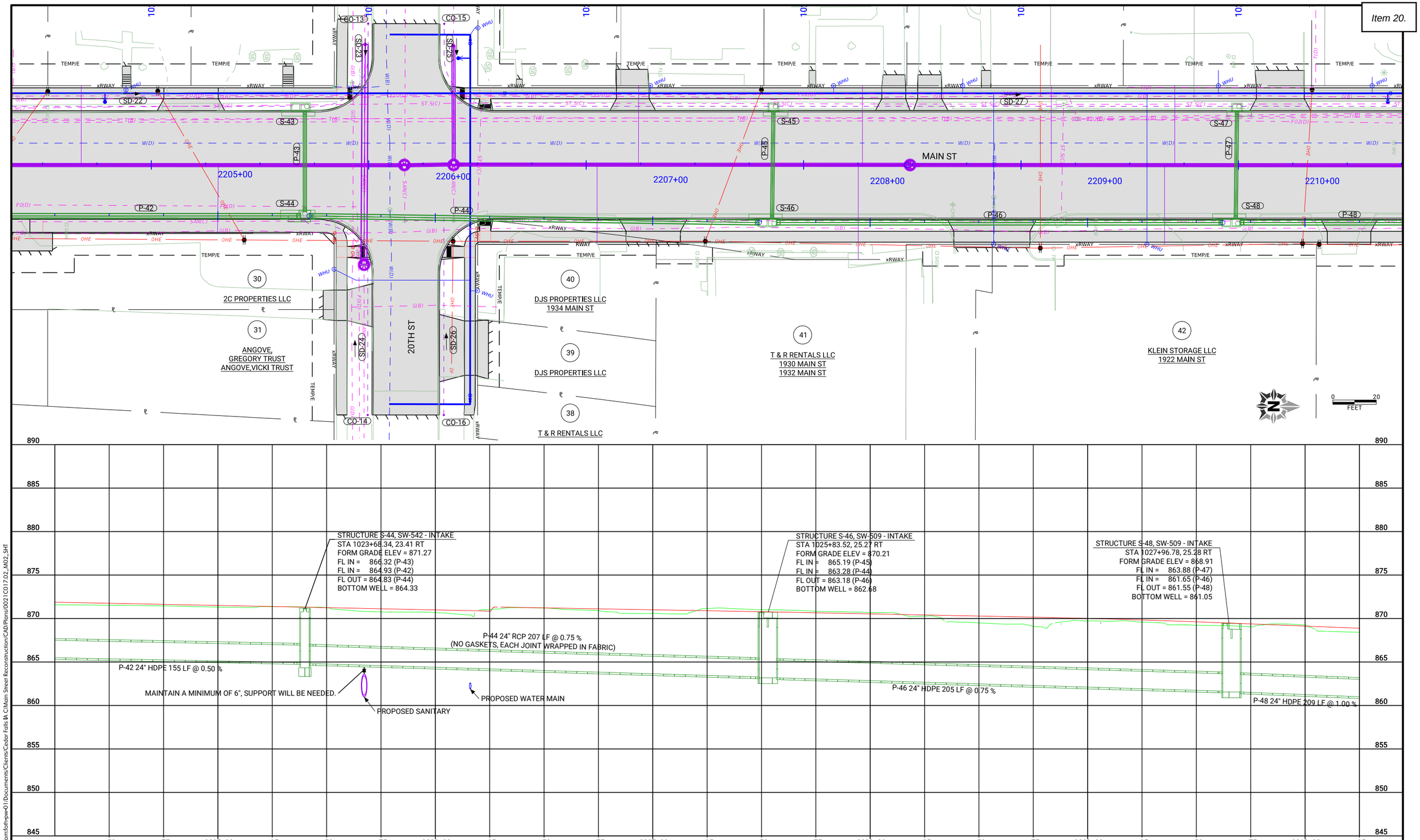
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STORM SEWER PLAN AND PROFILE

SHEET NO.
M.9



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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
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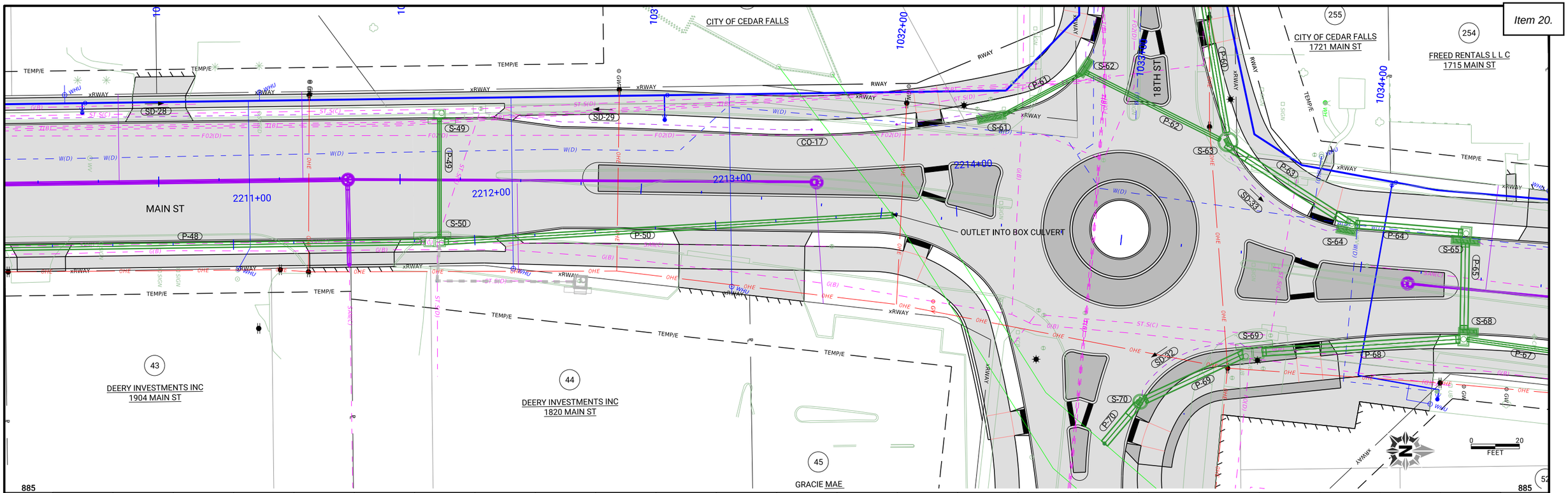
NO	DATE	BY	REVISION DESCRIPTION

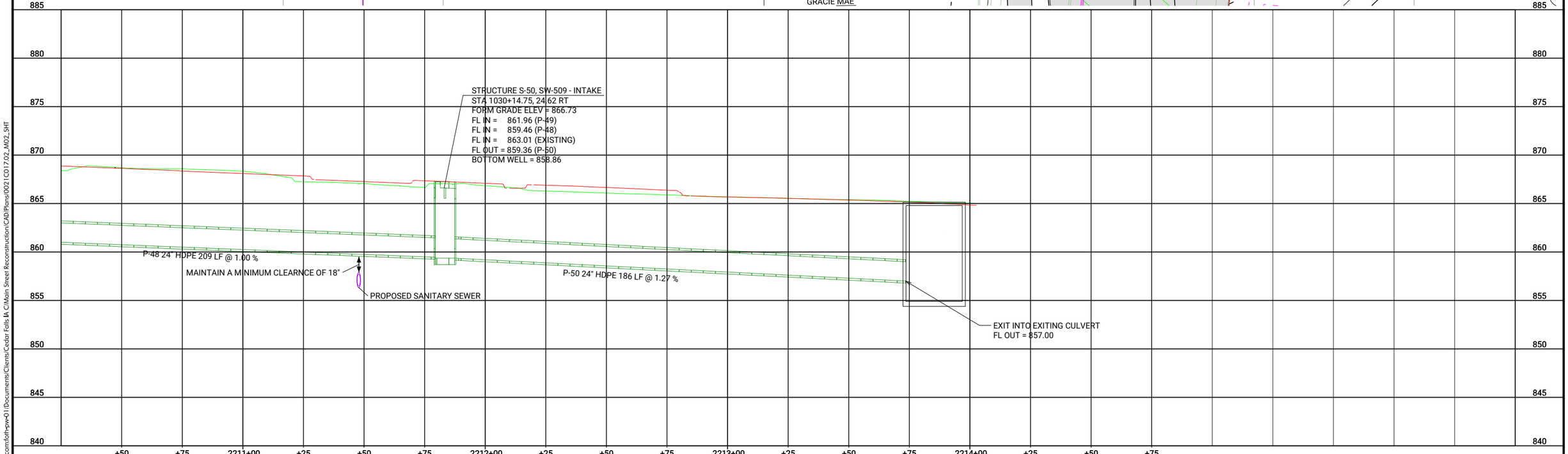
Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STORM SEWER PLAN AND PROFILE

SHEET NO.
M.10
STBG-SWAP-1185(657





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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STORM SEWER PLAN AND PROFILE

SHEET NO.
M.11
STBG-SWAP-1185(657

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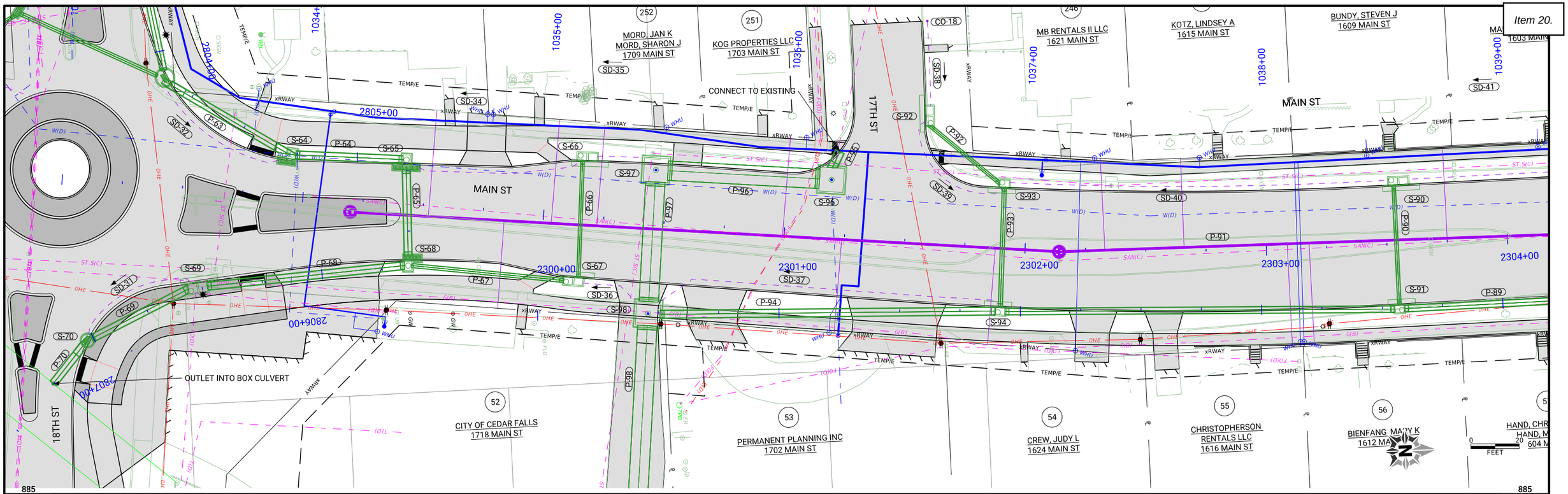

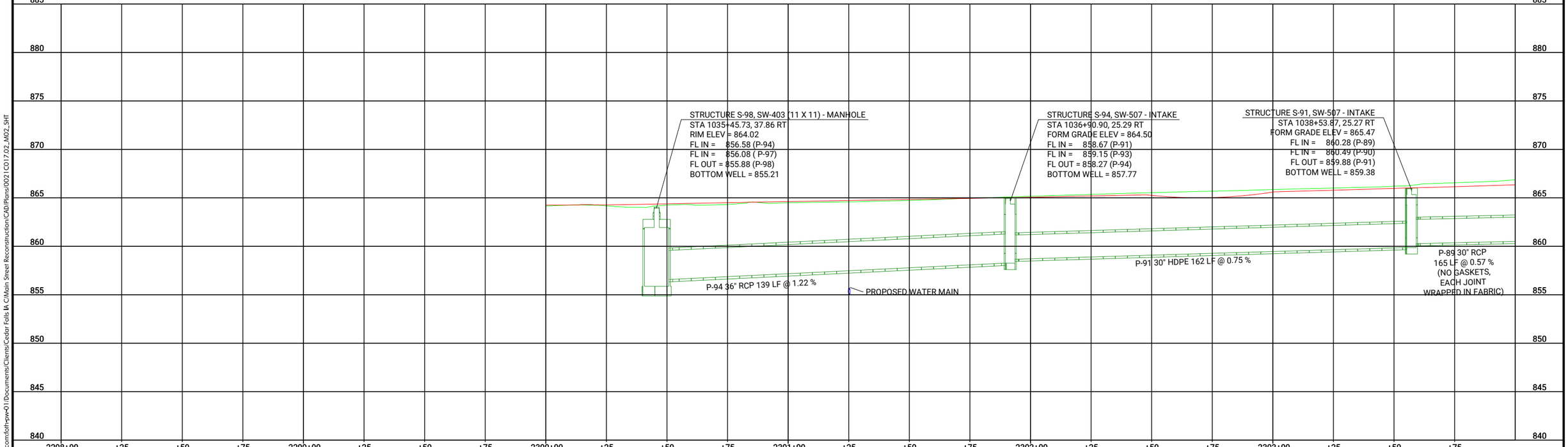

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STORM SEWER PLAN AND PROFILE

SHEET NO.
M.12

STBG-SWAP-1185(657

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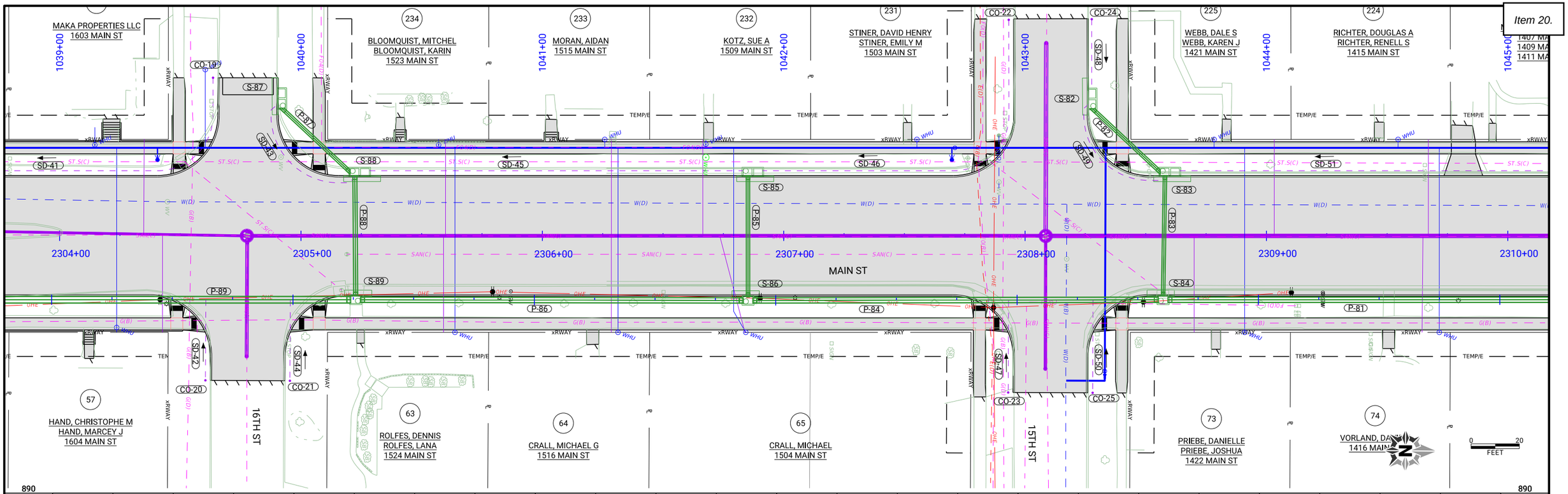

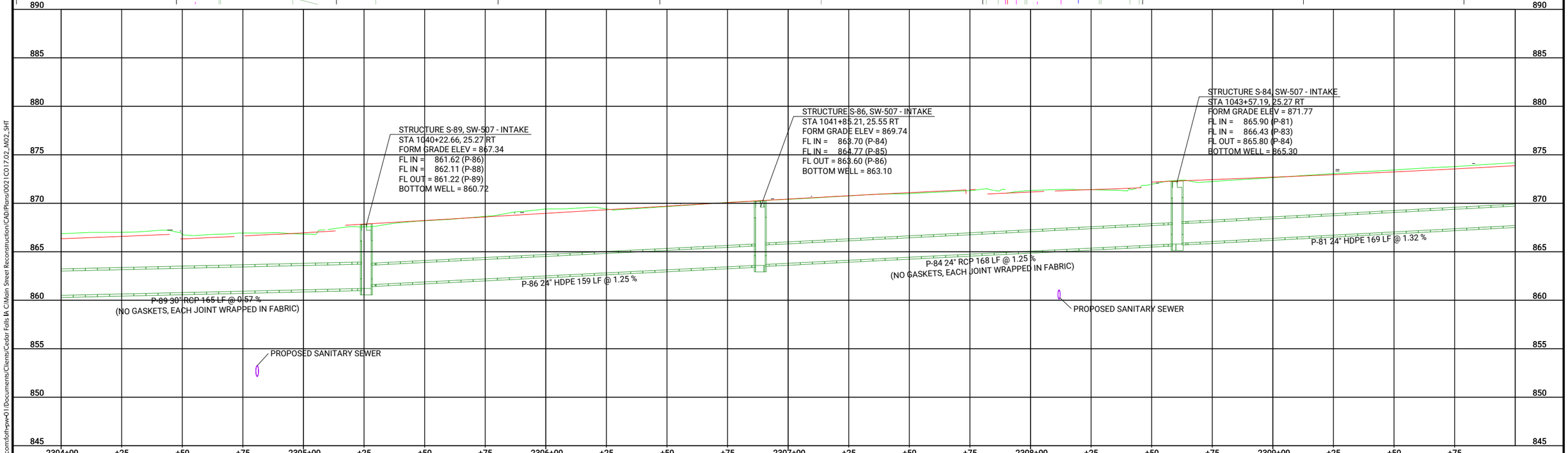

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STORM SEWER PLAN AND PROFILE

SHEET NO.
M.13
STBG-SWAP-1185(657

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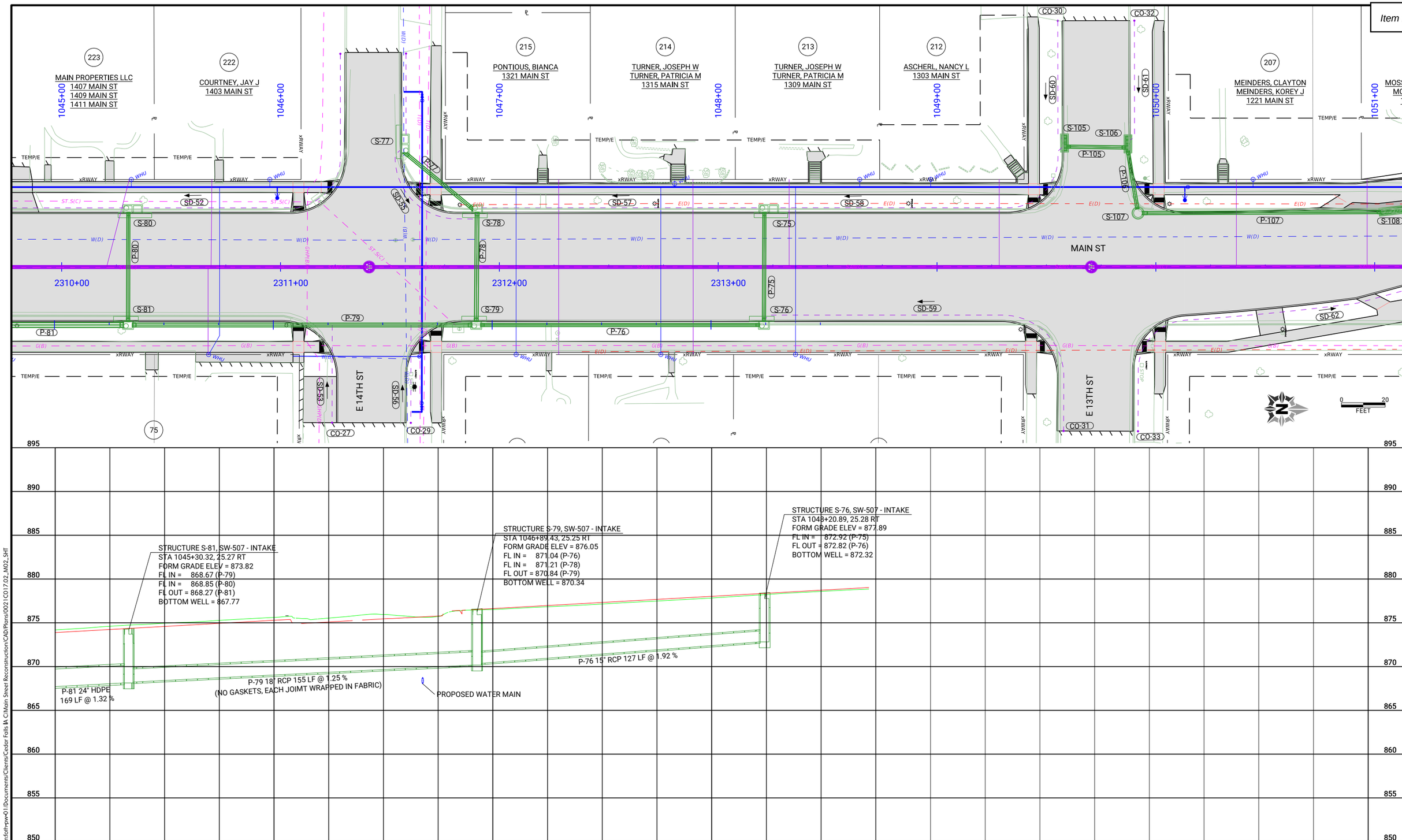

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NO	DATE	BY	REVISION DESCRIPTION

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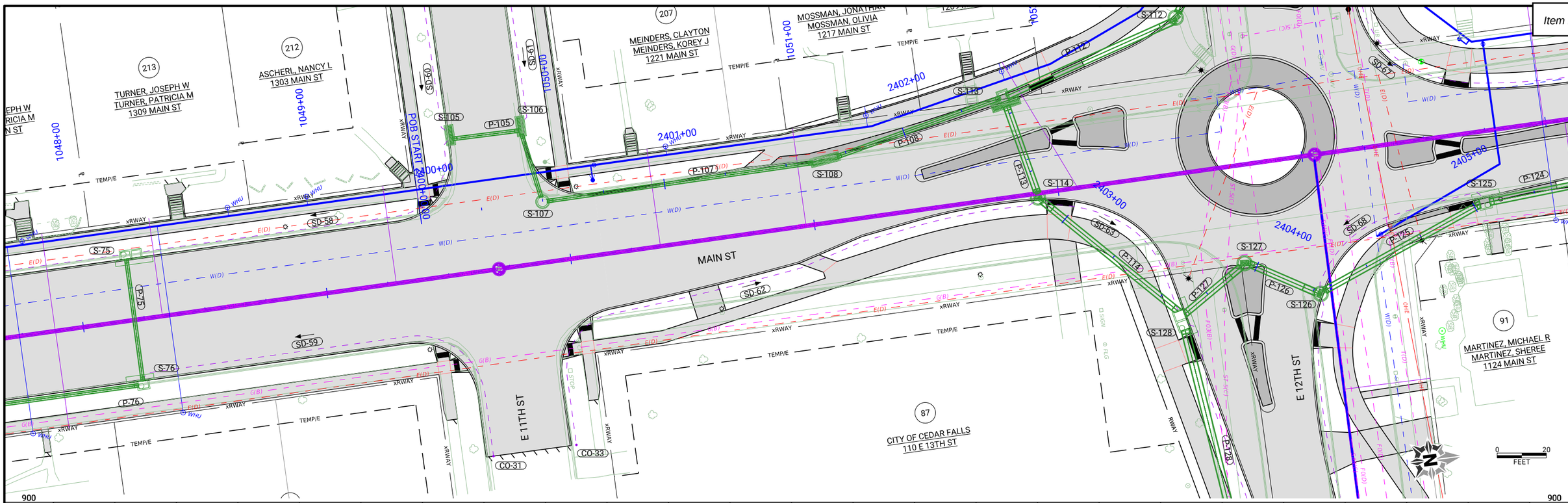
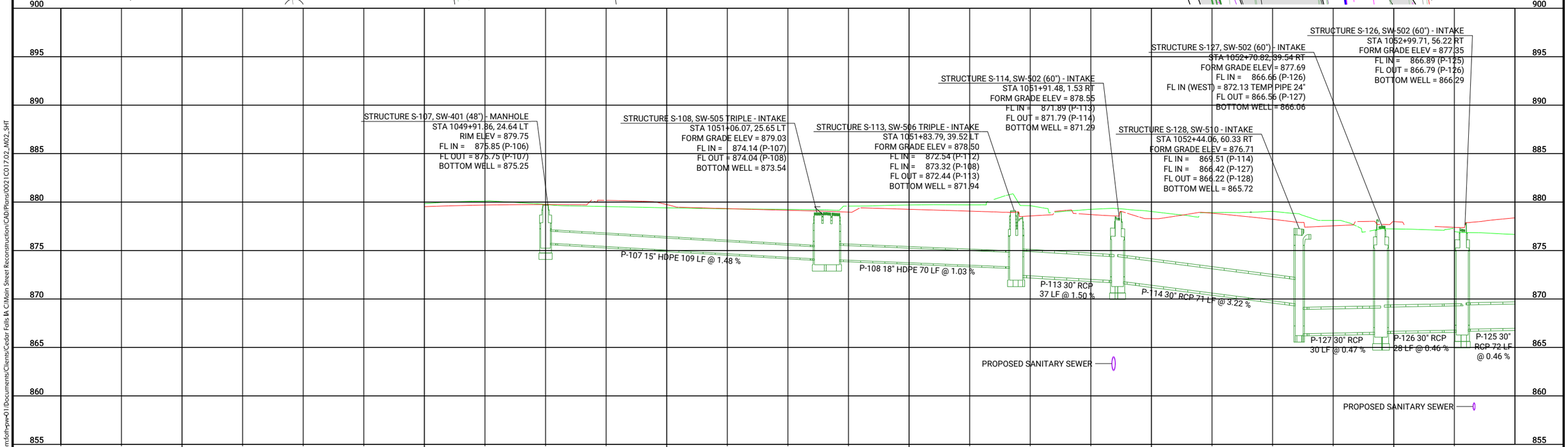
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STORM SEWER PLAN AND PROFILE

SHEET NO.
M.14
STBG-SWAP-1185(657





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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STORM SEWER PLAN AND PROFILE

SHEET NO.
M.15

STBG-SWAP-1185(657

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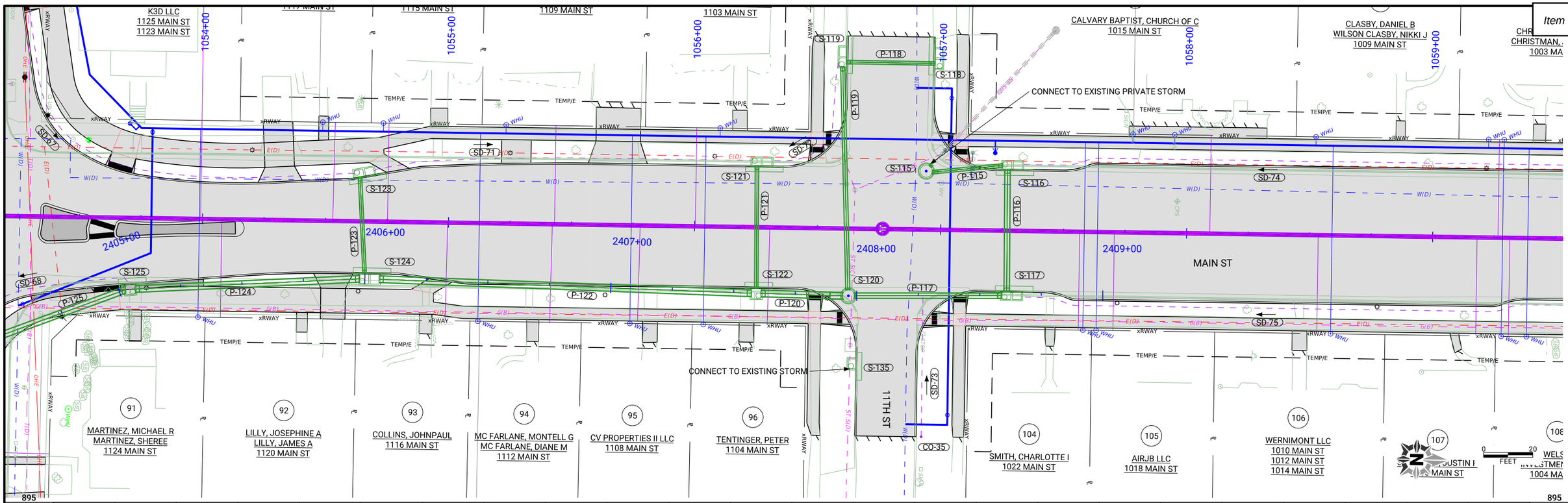

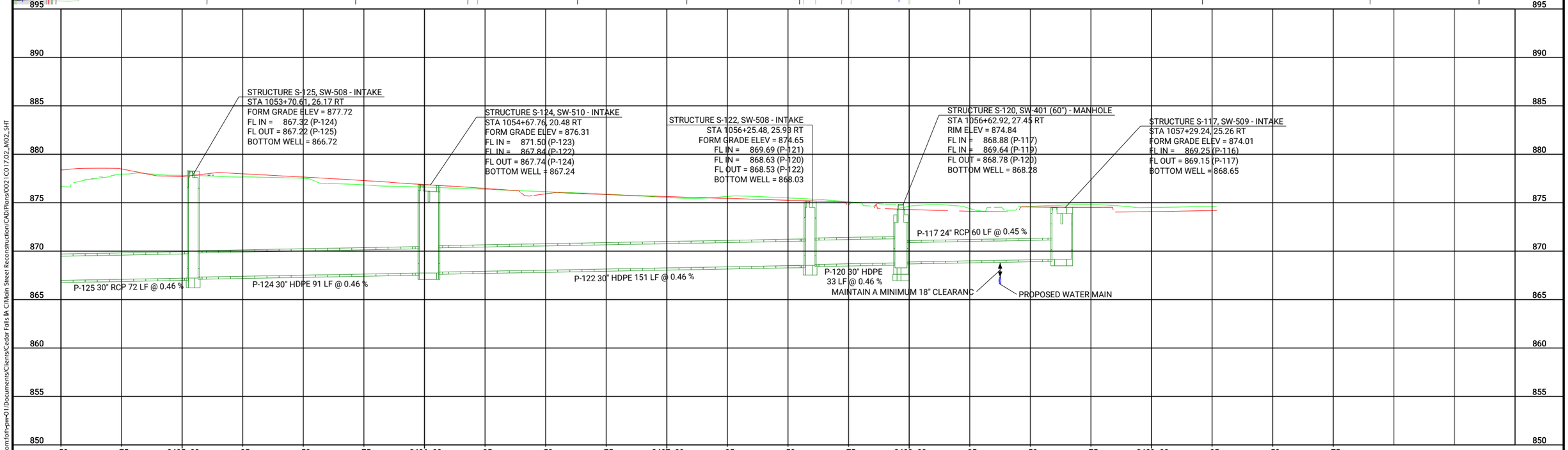

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STORM SEWER PLAN AND PROFILE

SHEET NO.
M.16
STBG-SWAP-1185(657

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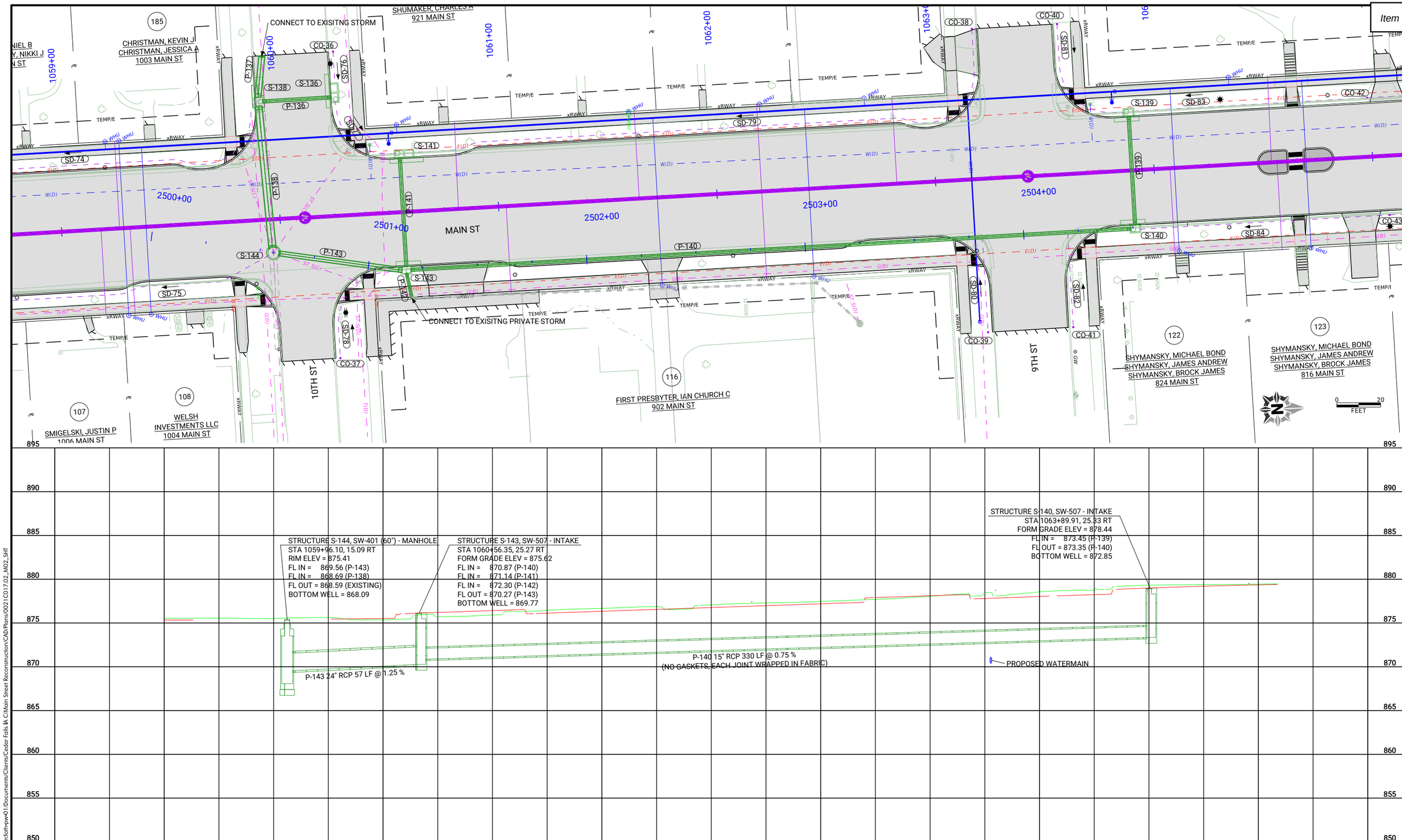

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STORM SEWER PLAN AND PROFILE

SHEET NO.
M.17
STBG-SWAP-1185(657

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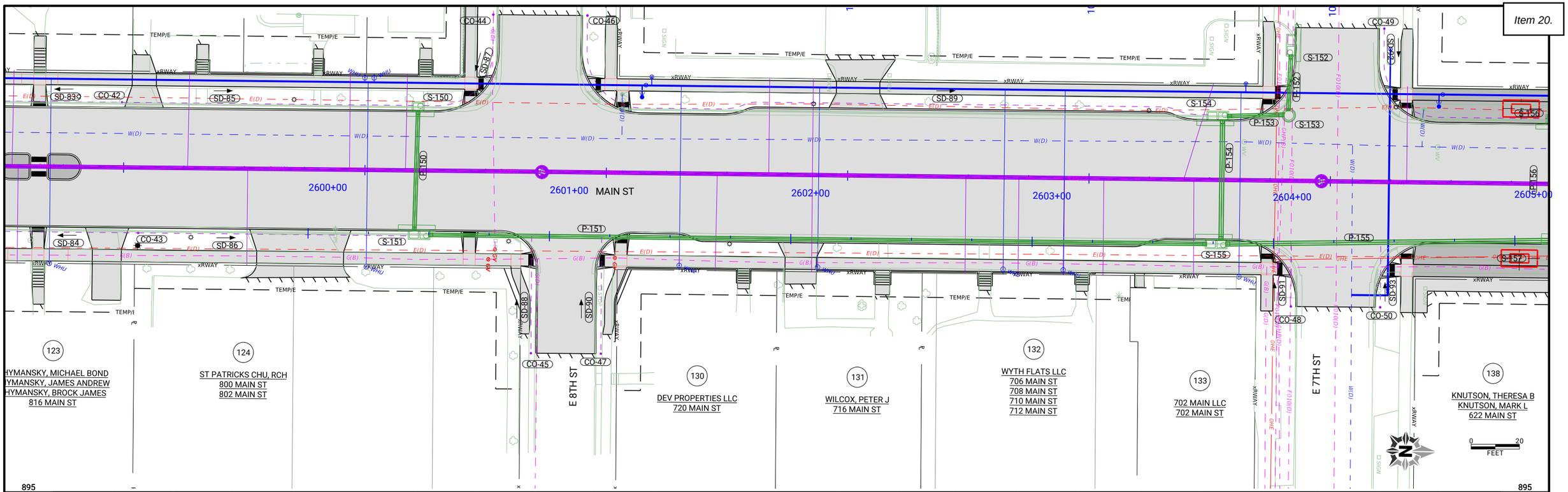

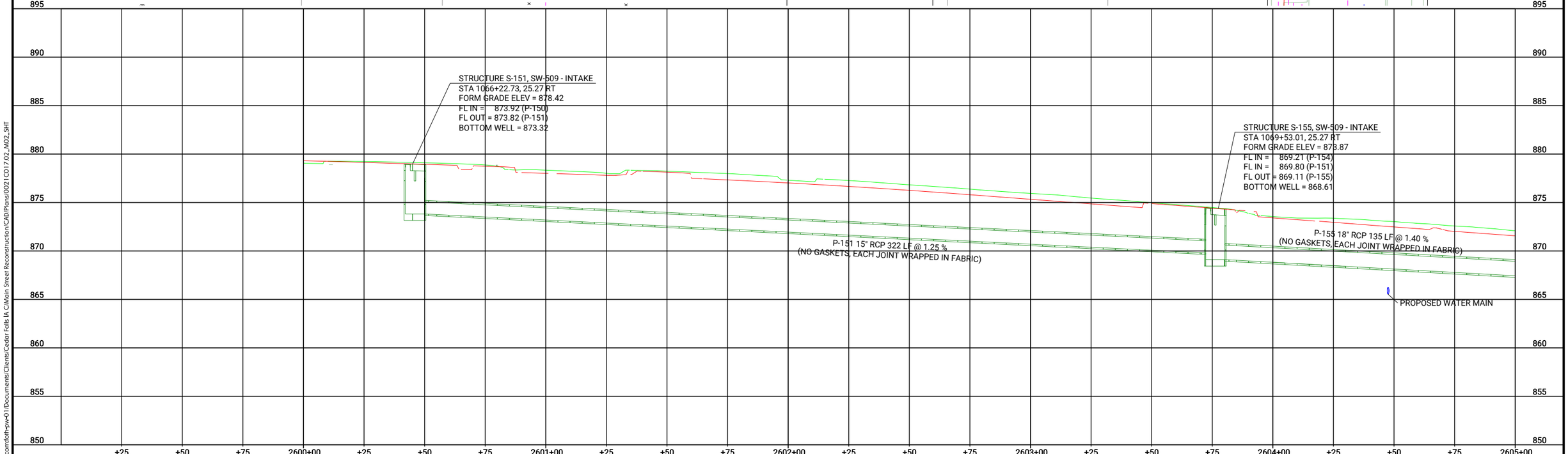

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STORM SEWER PLAN AND PROFILE

SHEET NO.
M.18

STBG-SWAP-1185(657

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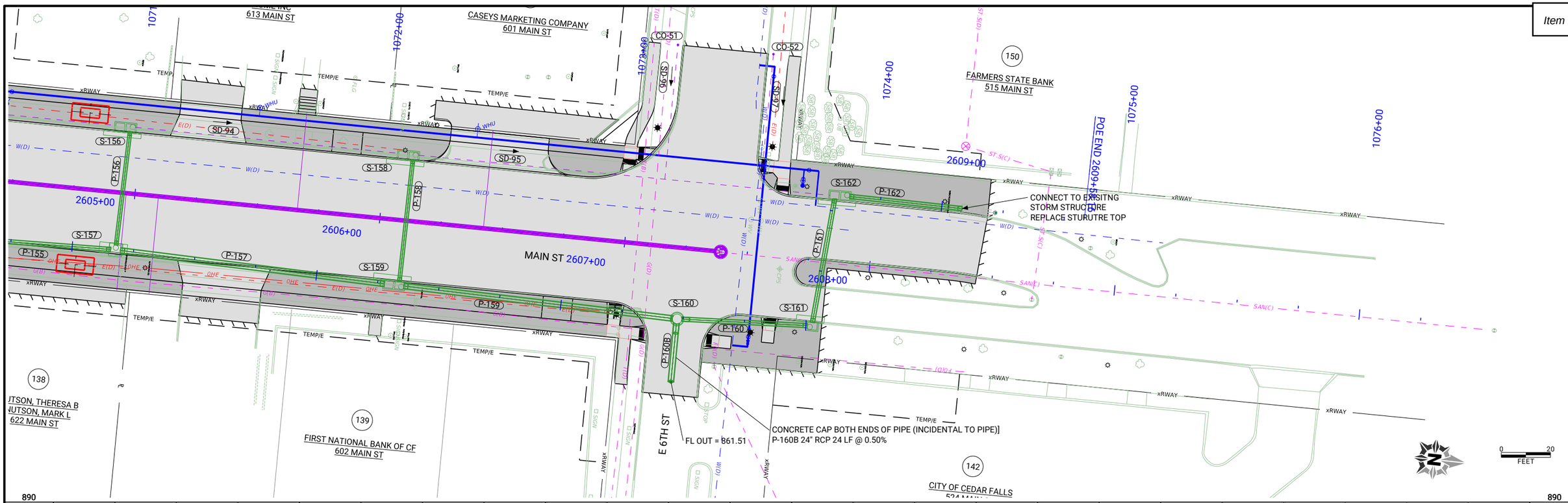

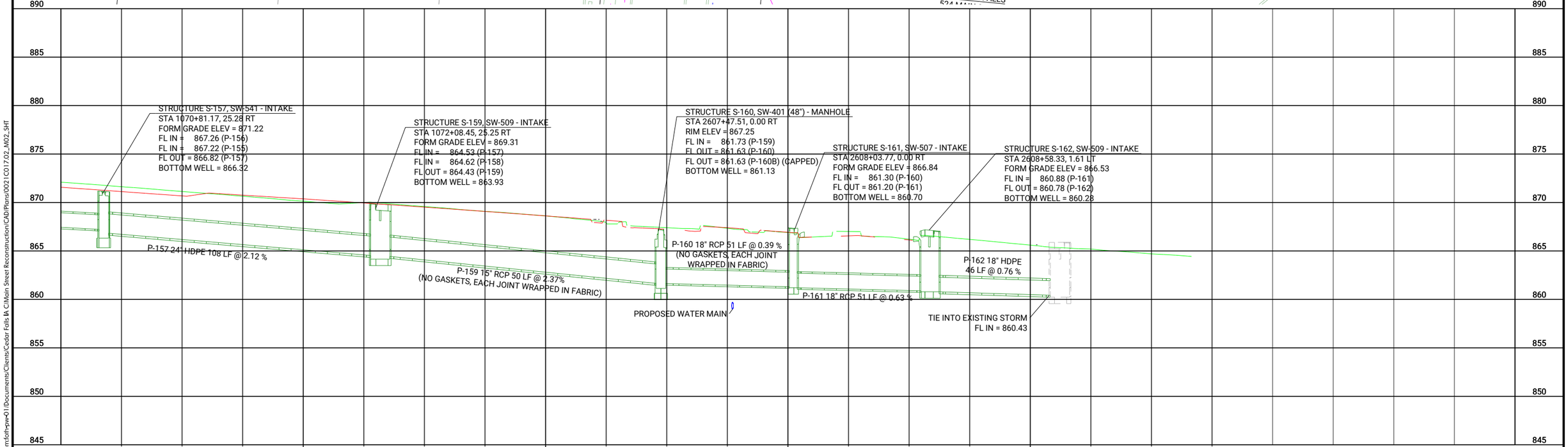

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STORM SEWER PLAN AND PROFILE

SHEET NO.
M.19

STBG-SWAP-1185(657

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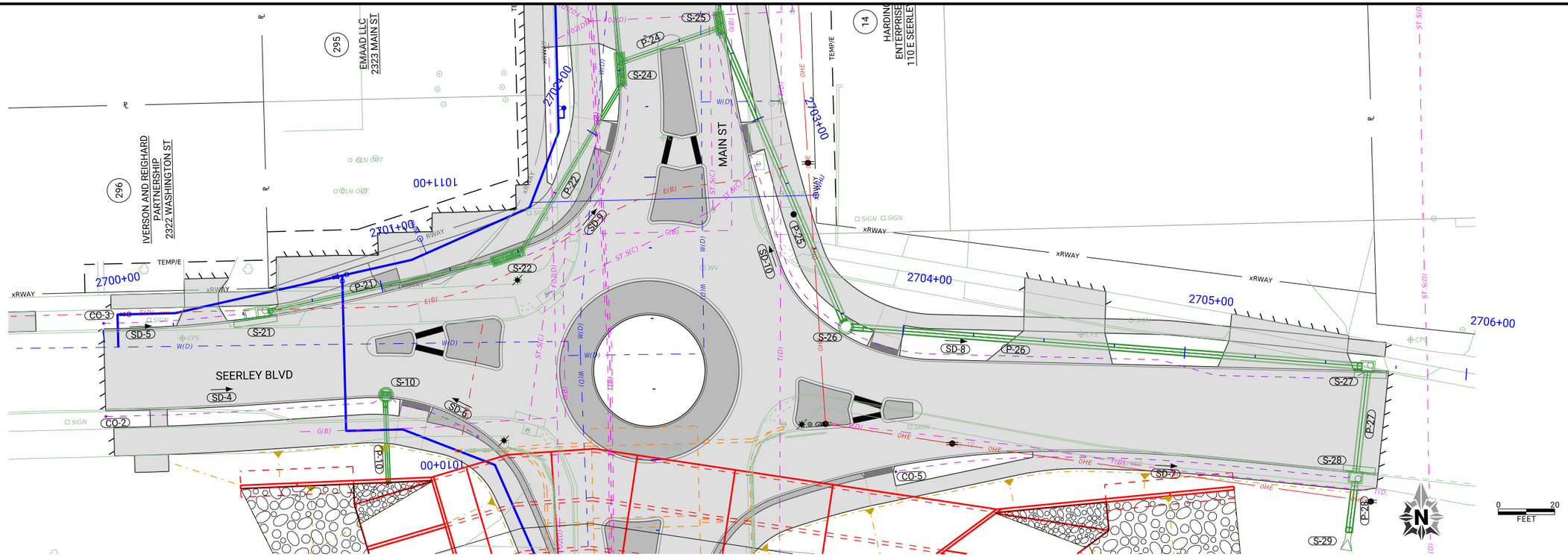

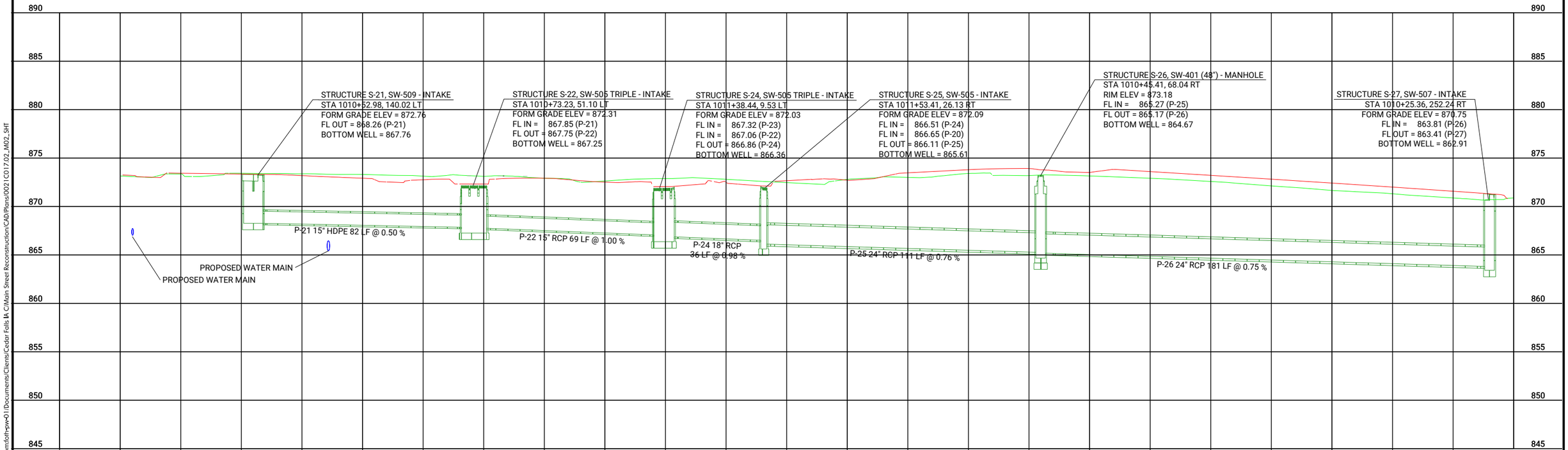

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STORM SEWER PLAN AND PROFILE

SHEET NO.
M.20
STBG-SWAP-1185(657

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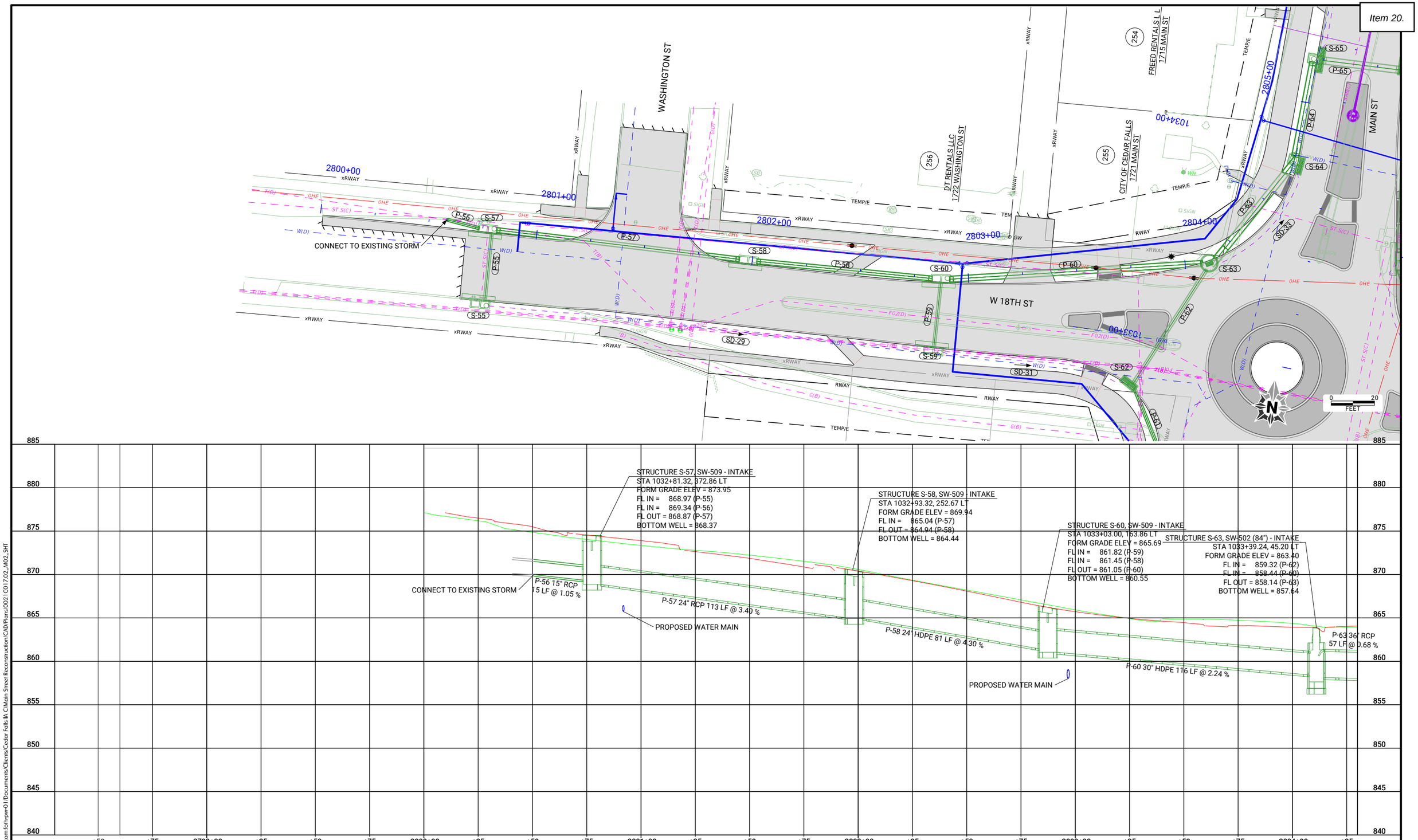

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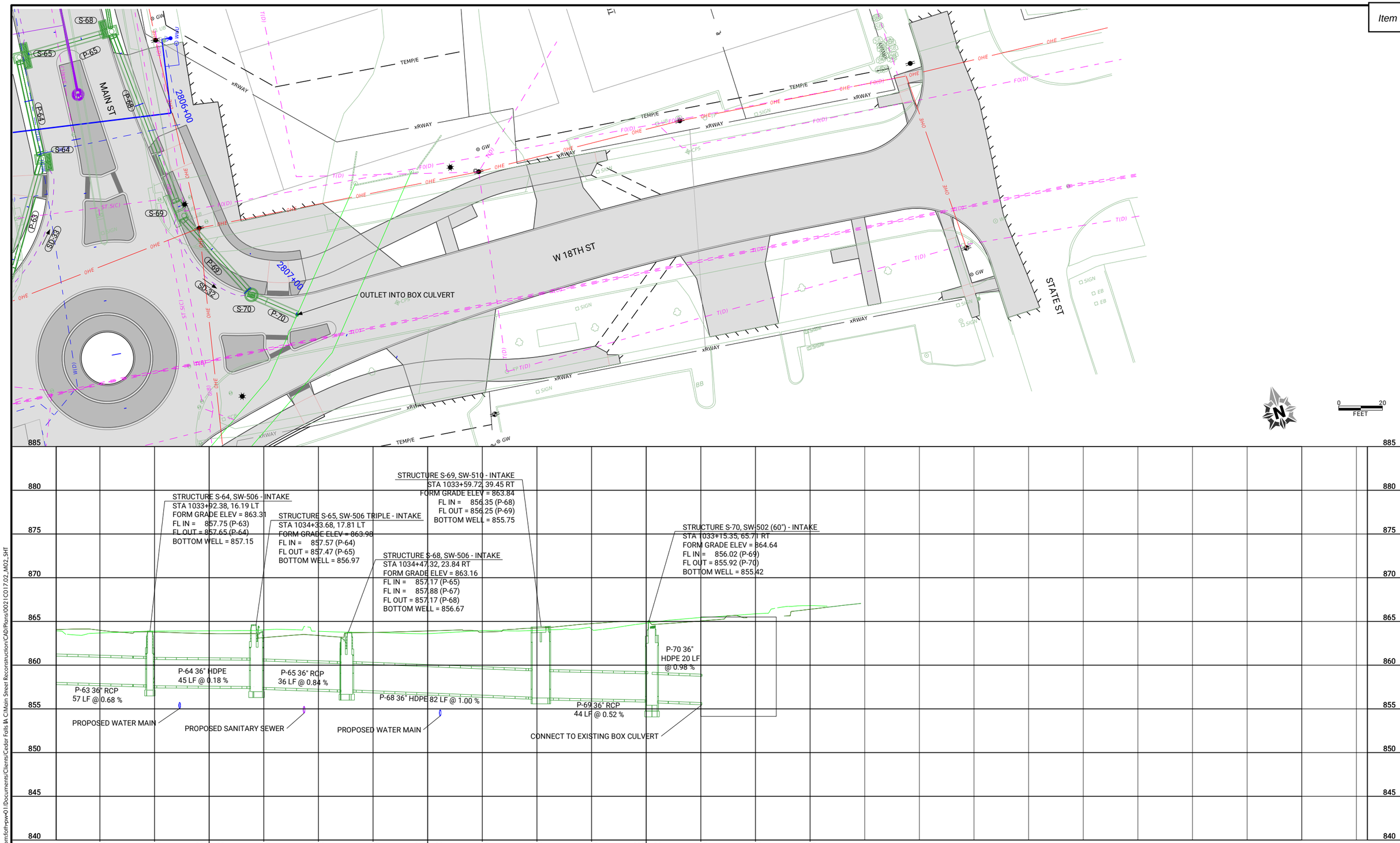
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STORM SEWER PLAN AND PROFILE

SHEET NO.
M.21
STBG-SWAP-1185(657



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NO	DATE	BY	REVISION DESCRIPTION

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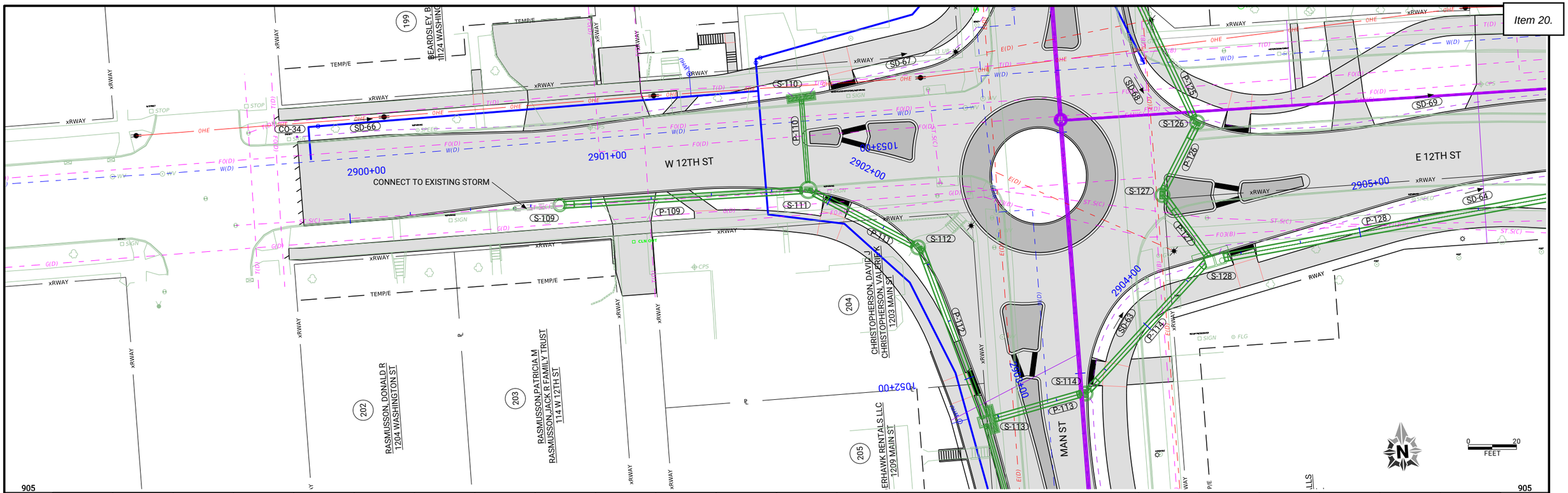
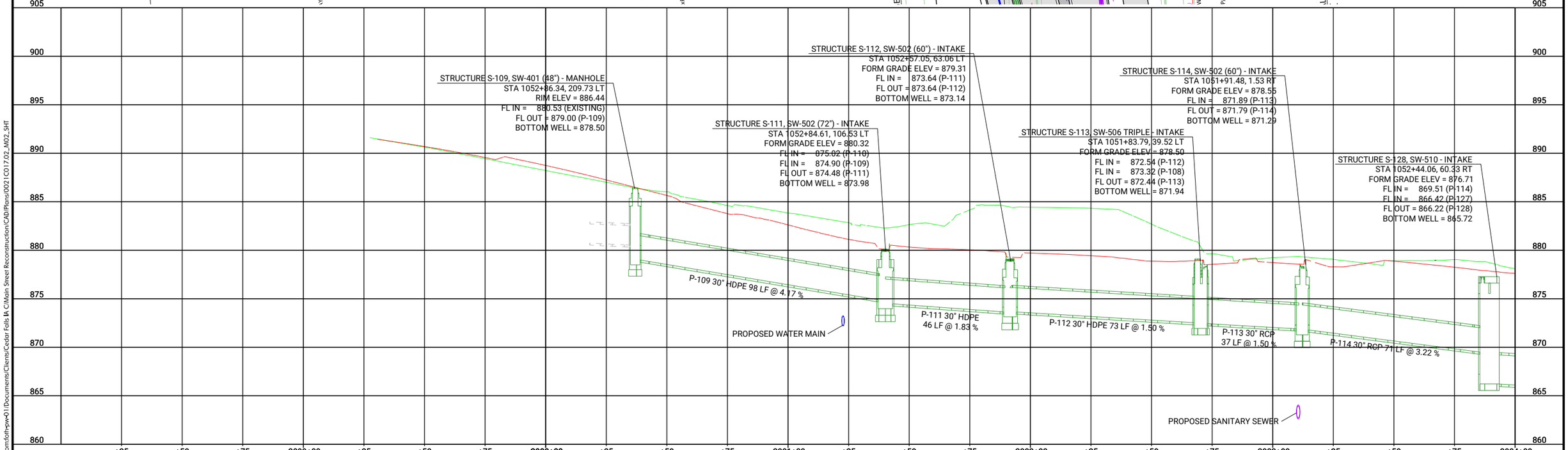
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STORM SEWER PLAN AND PROFILE

SHEET NO.
M.22





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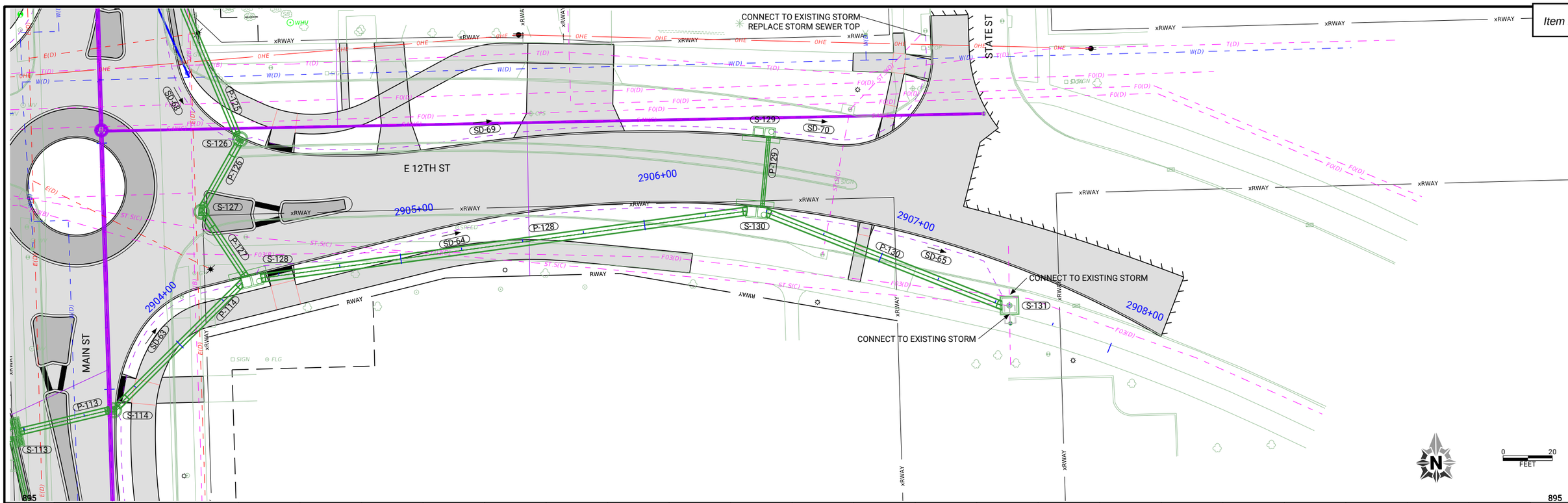
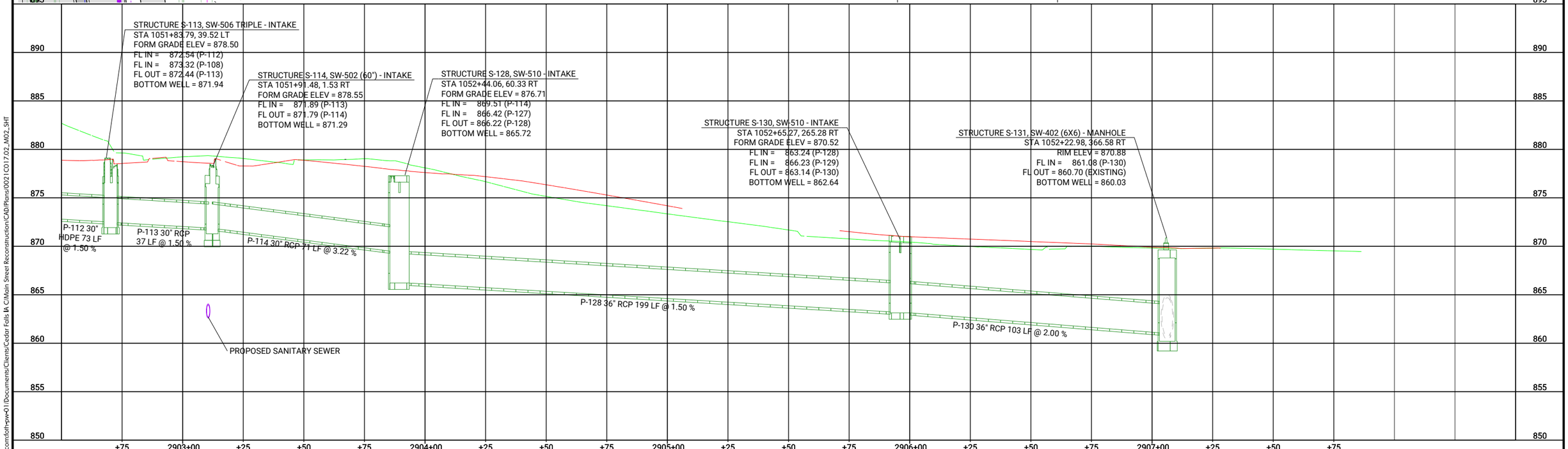
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STORM SEWER PLAN AND PROFILE

SHEET NO.
M.23
STBG-SWAP-1185(657





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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STORM SEWER PLAN AND PROFILE

SHEET NO.
M.24
STBG-SWAP-1185(657

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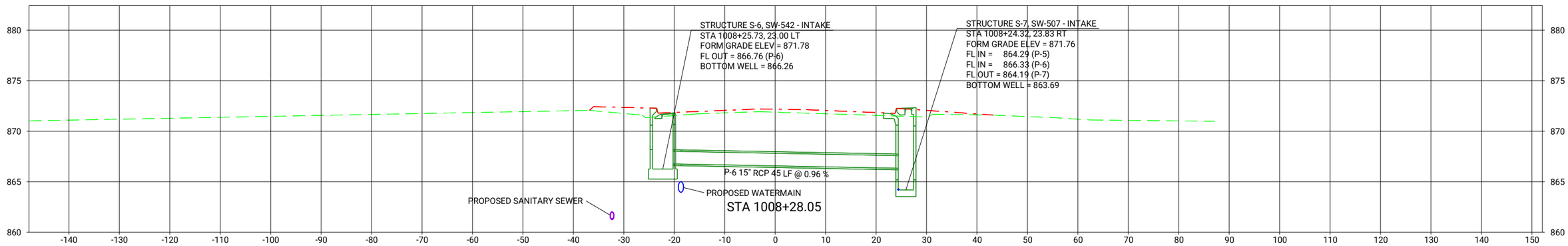

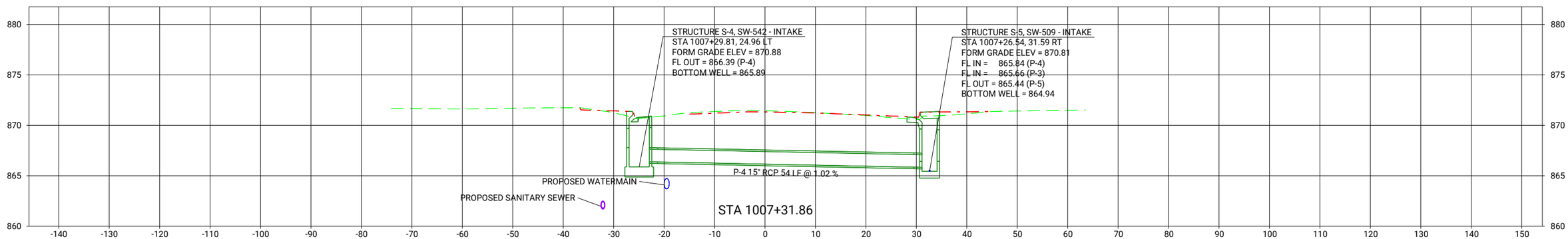

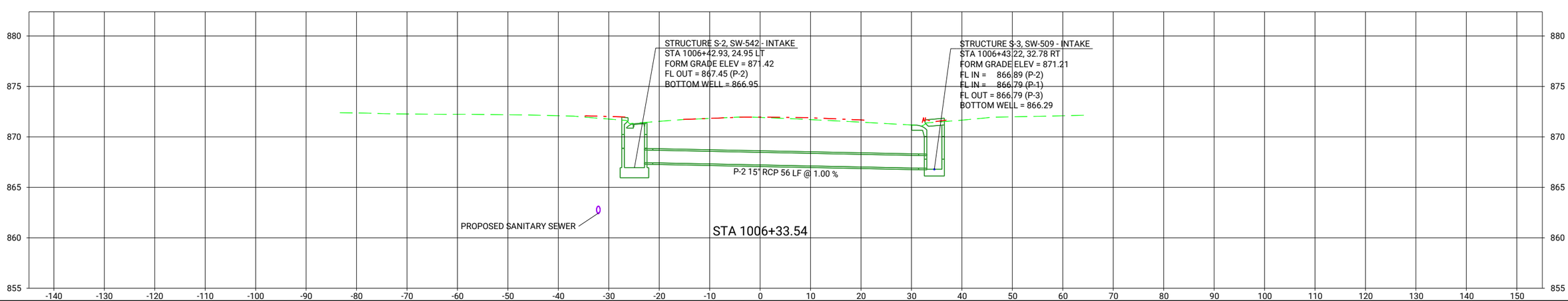

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STORM SEWER CROSS SECTIONS

SHEET NO.
M.25
STBG-SWAP-1185(657

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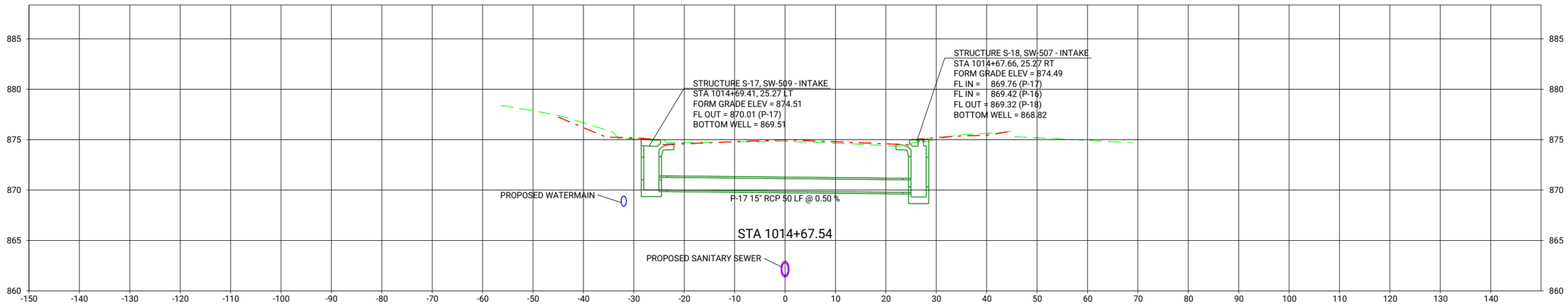

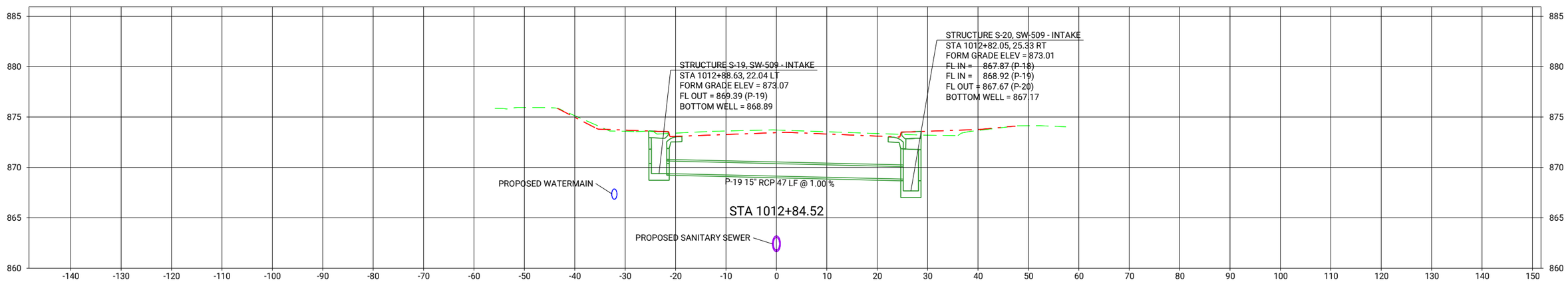

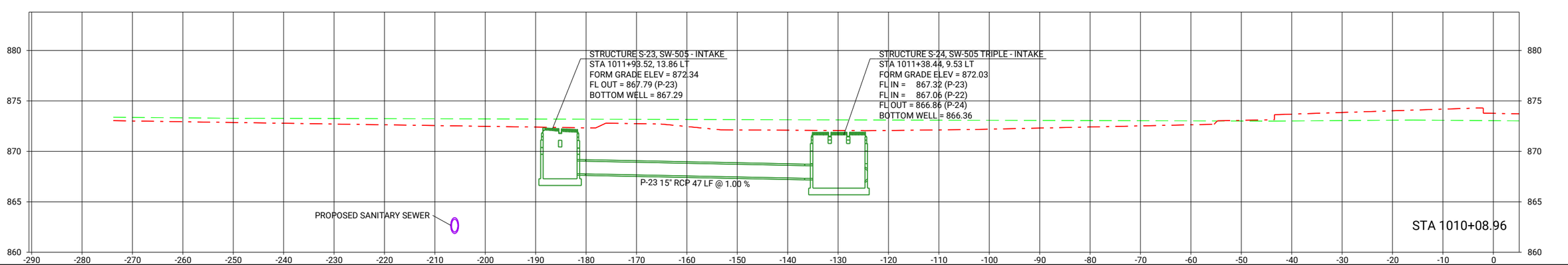

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STORM SEWER CROSS SECTIONS

SHEET NO.
M.26
STBG-SWAP-1185(657)

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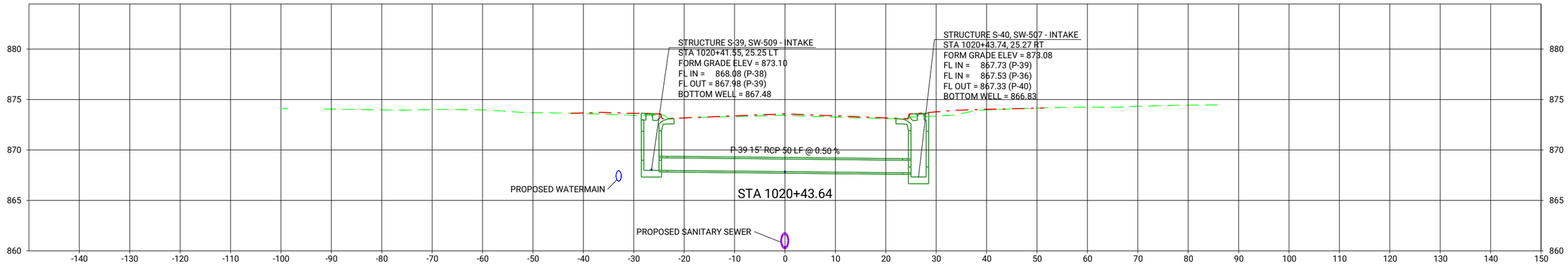

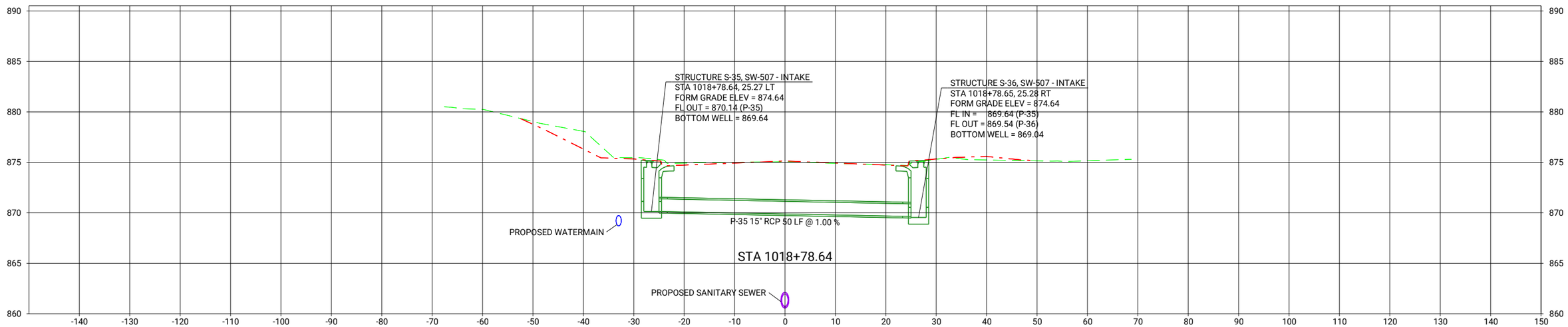

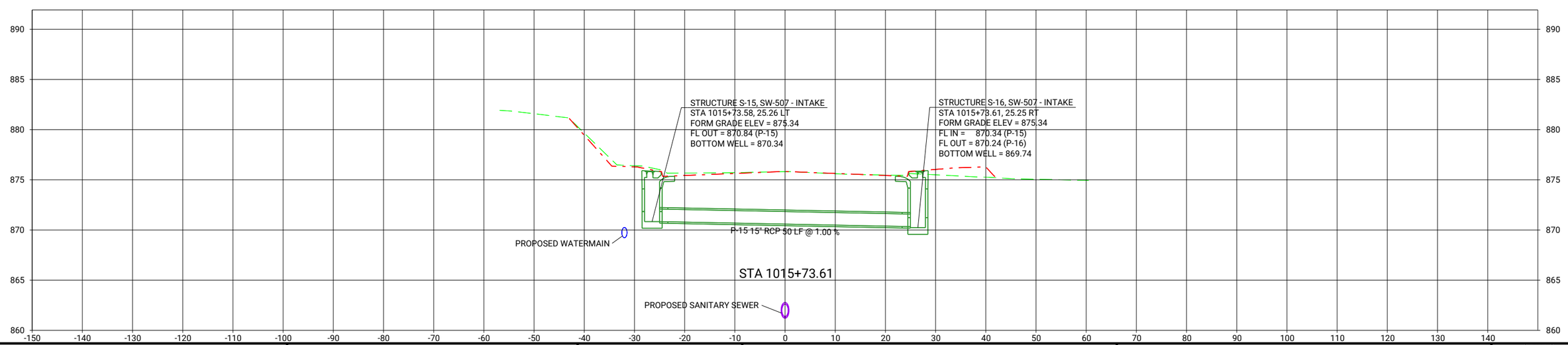

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STORM SEWER CROSS SECTIONS

SHEET NO.
M.27
STBG-SWAP-1185(657

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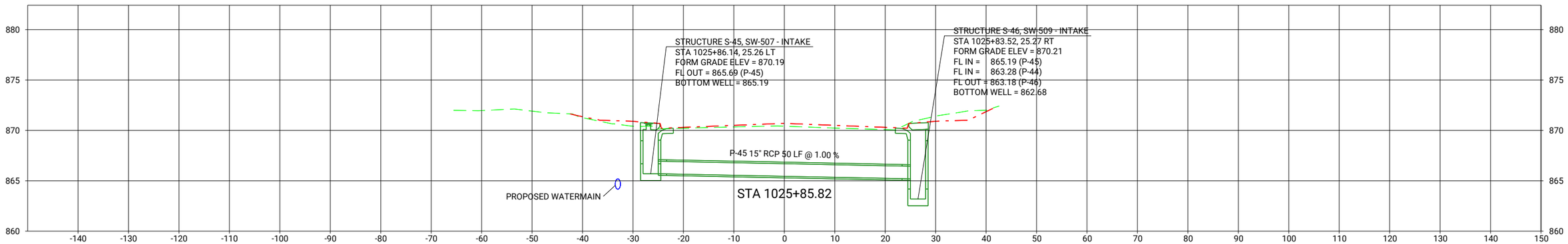

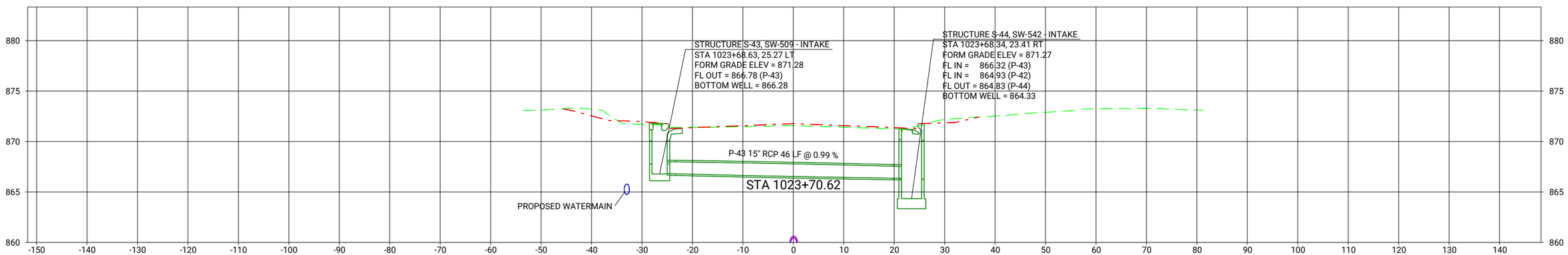

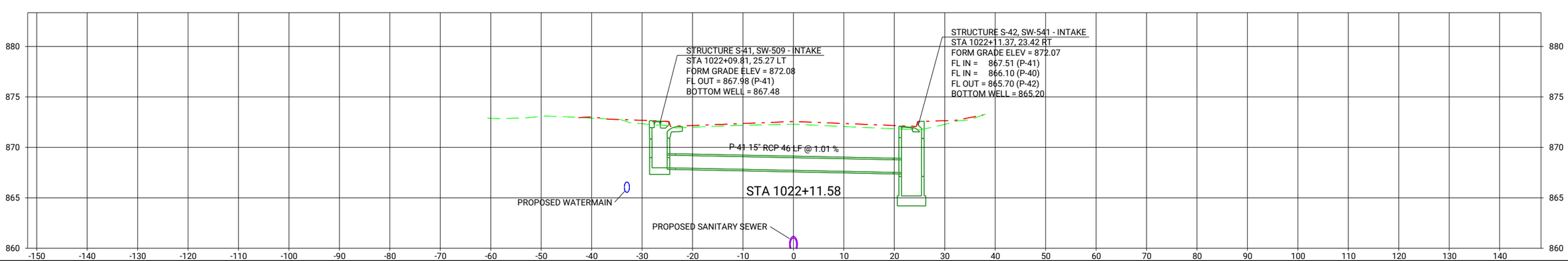

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STORM SEWER CROSS SECTIONS

SHEET NO.
M.28
STBG-SWAP-1185(657

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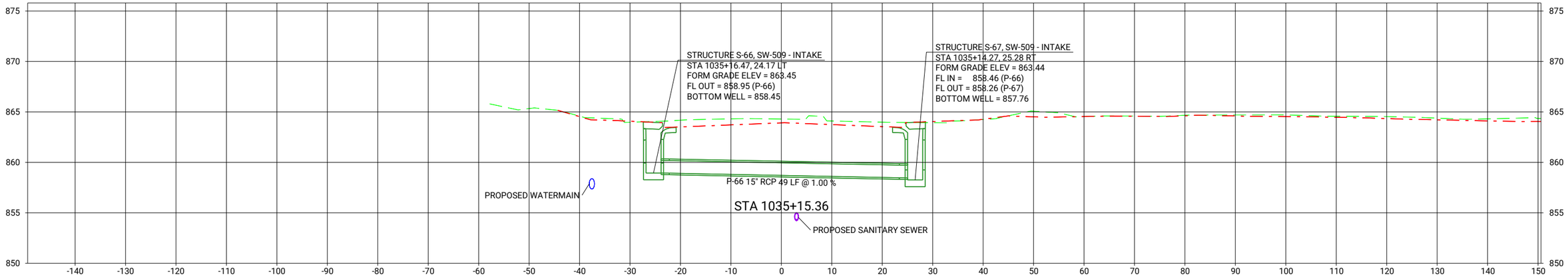

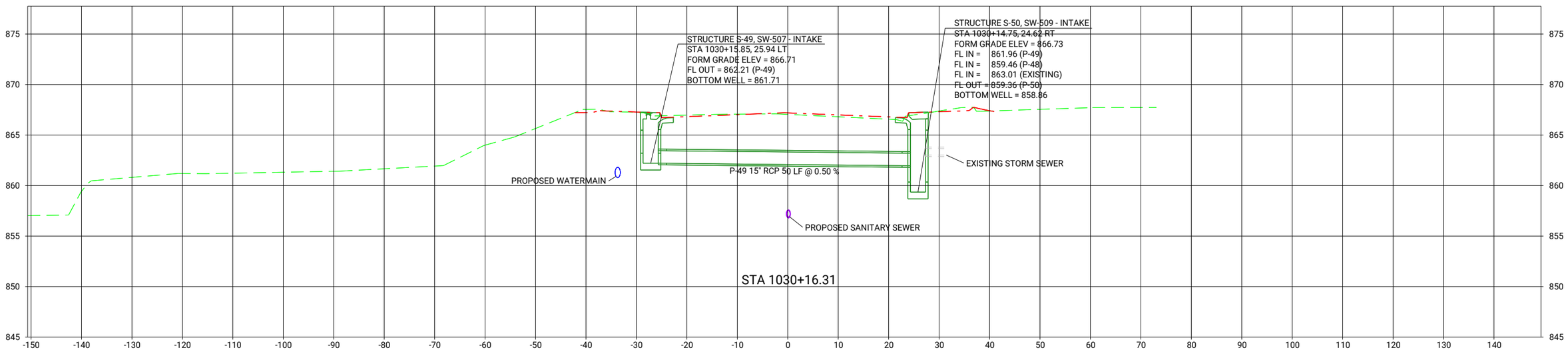

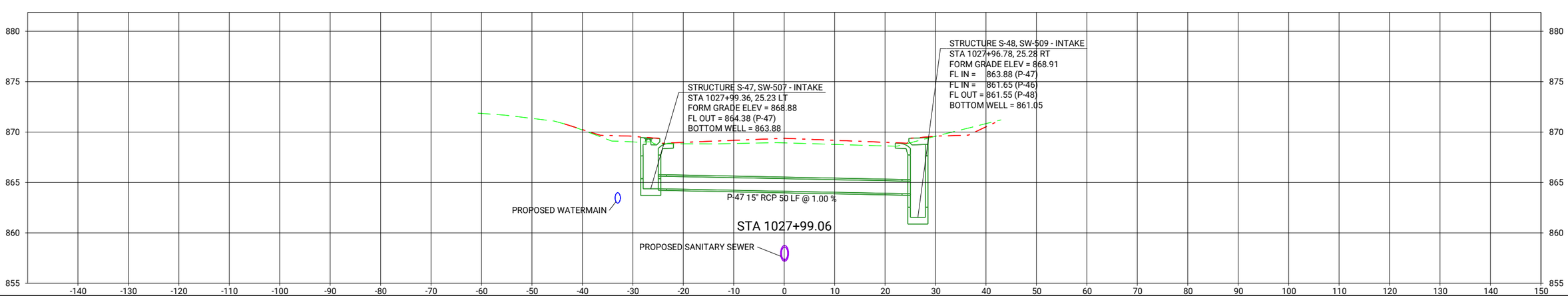

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STORM SEWER CROSS SECTIONS

SHEET NO.
M.29
STBG-SWAP-1185(657

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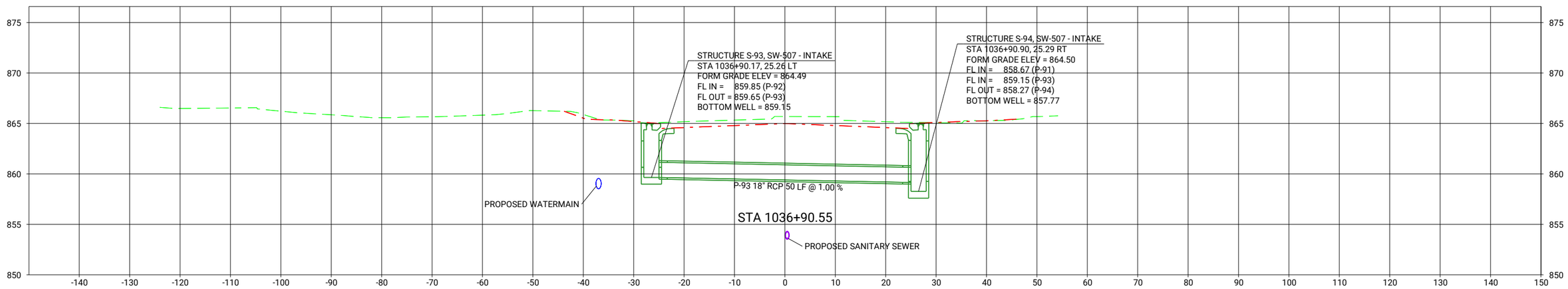

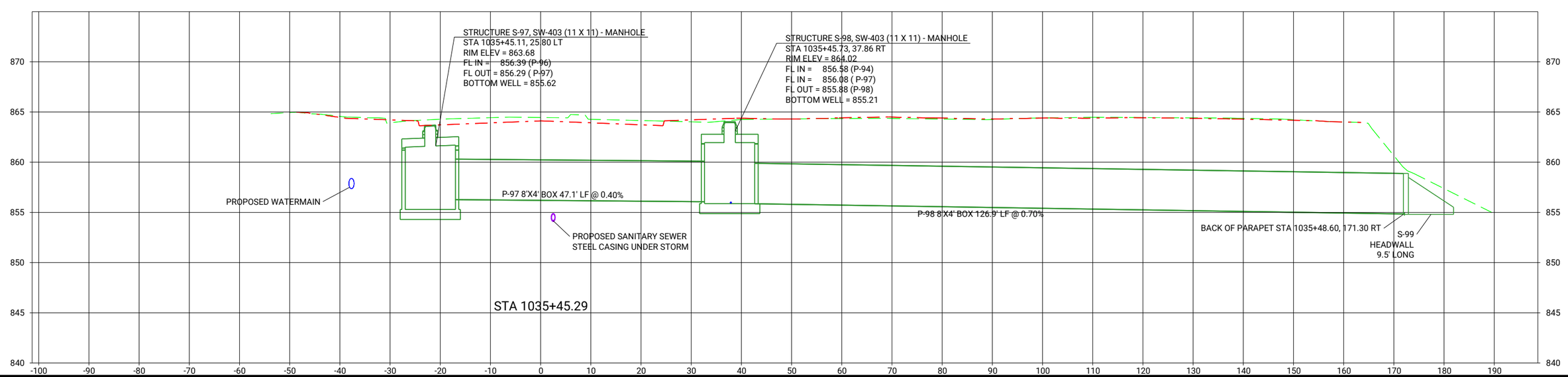

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STORM SEWER CROSS SECTIONS

SHEET NO.
M.30
STBG-SWAP-1185(657

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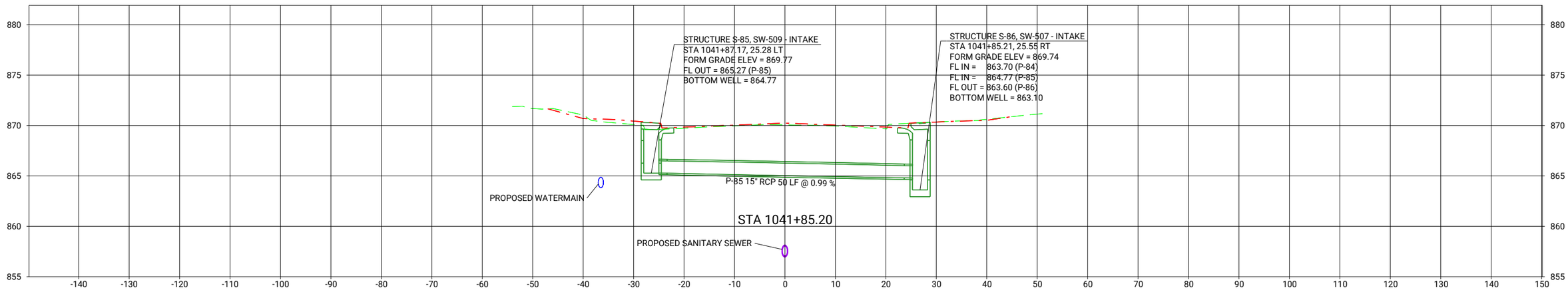

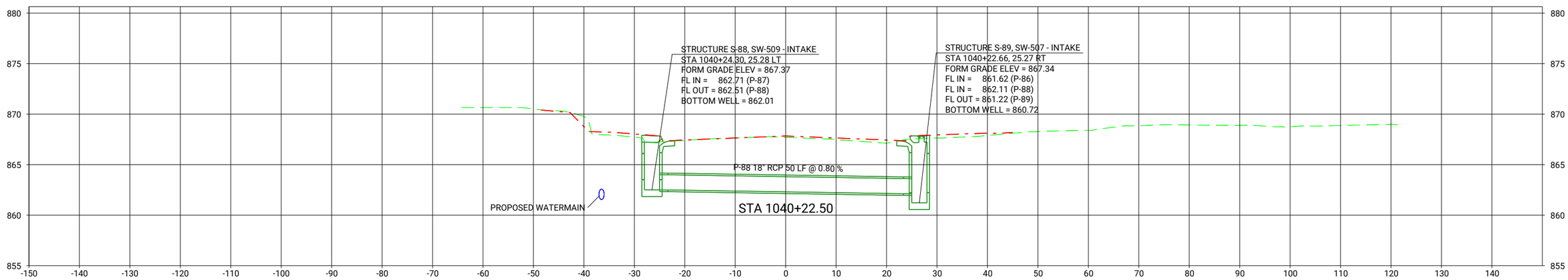

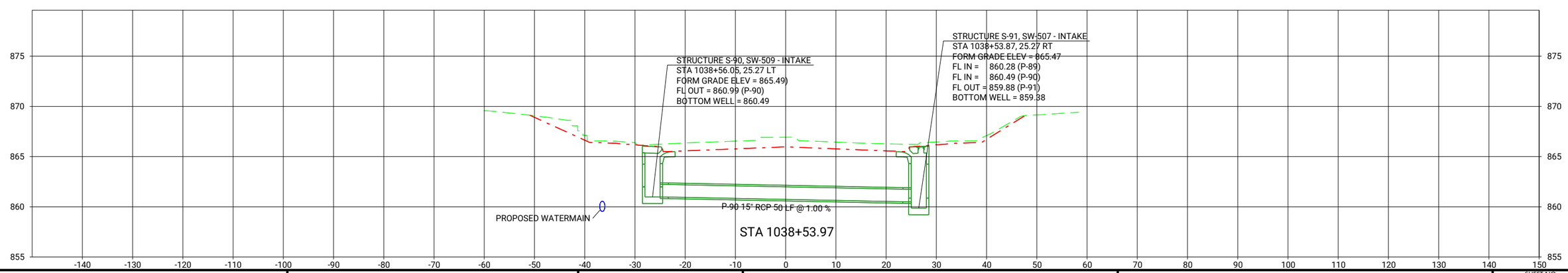

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STORM SEWER CROSS SECTIONS

SHEET NO.
M.31

STBG-SWAP-1185(657)

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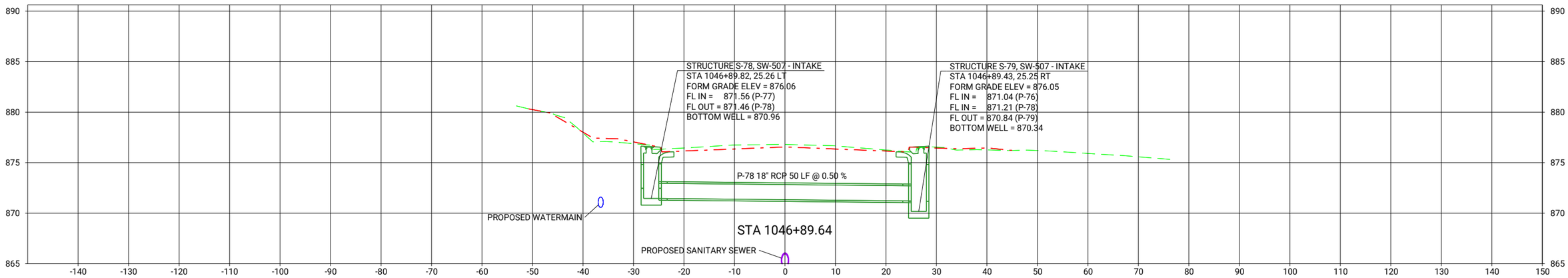

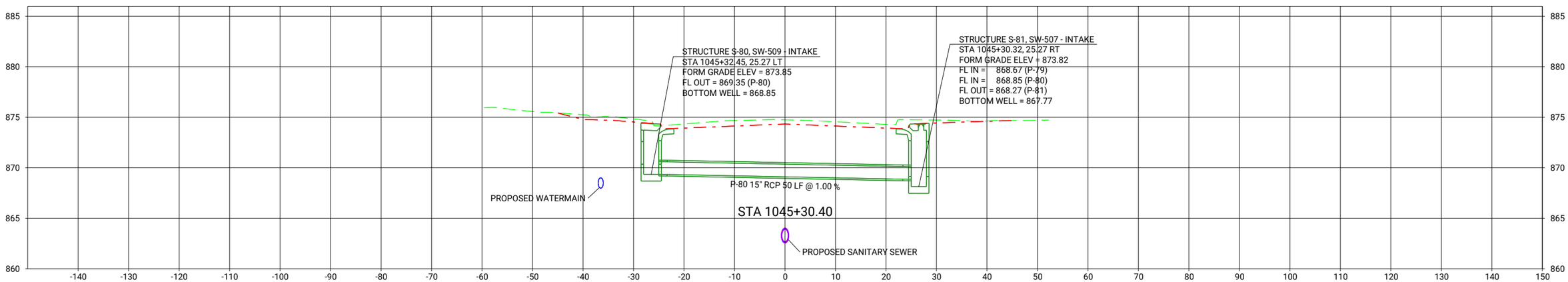

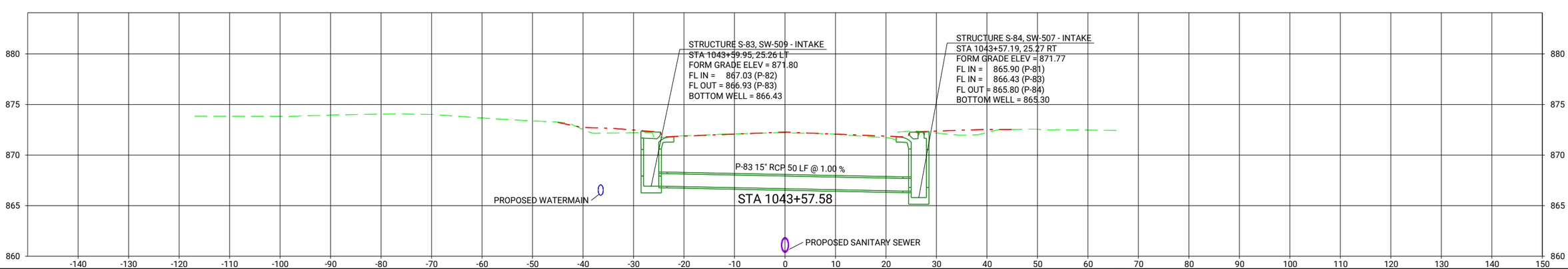

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STORM SEWER CROSS SECTIONS

SHEET NO.
M.32

STBG-SWAP-1185(657

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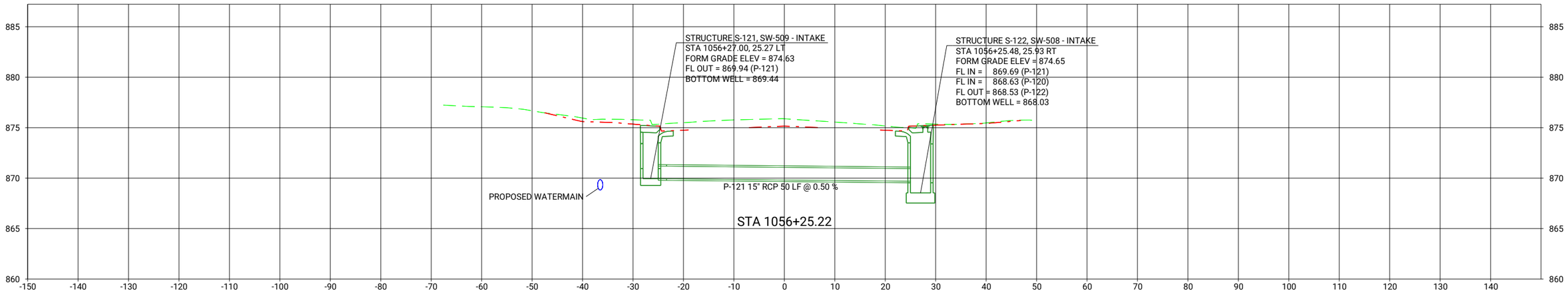

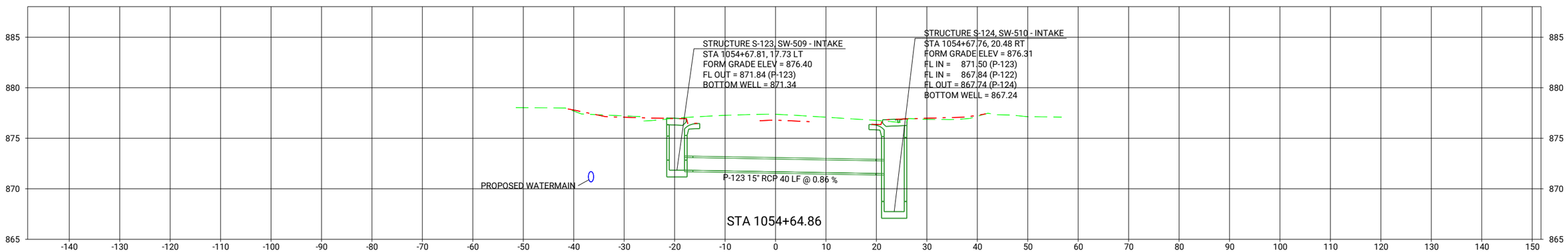

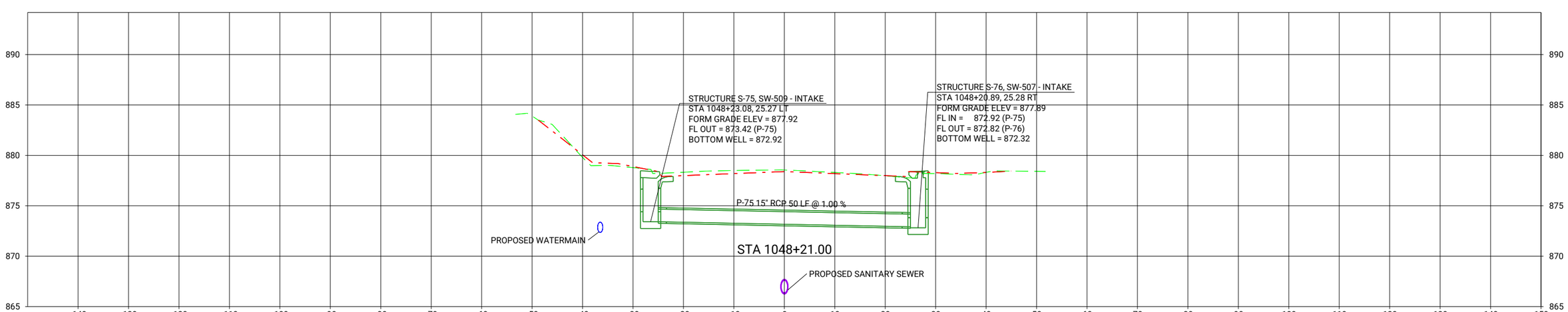

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STORM SEWER CROSS SECTIONS

SHEET NO.
M.33
STBG-SWAP-1185(657

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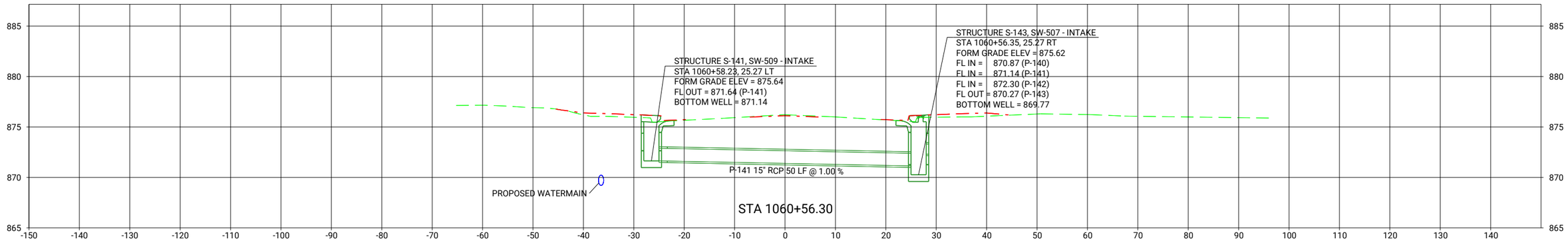

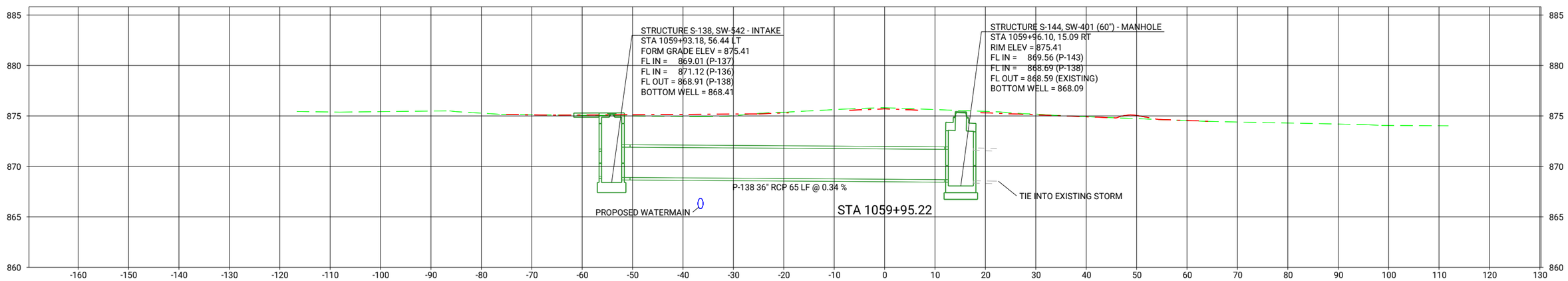

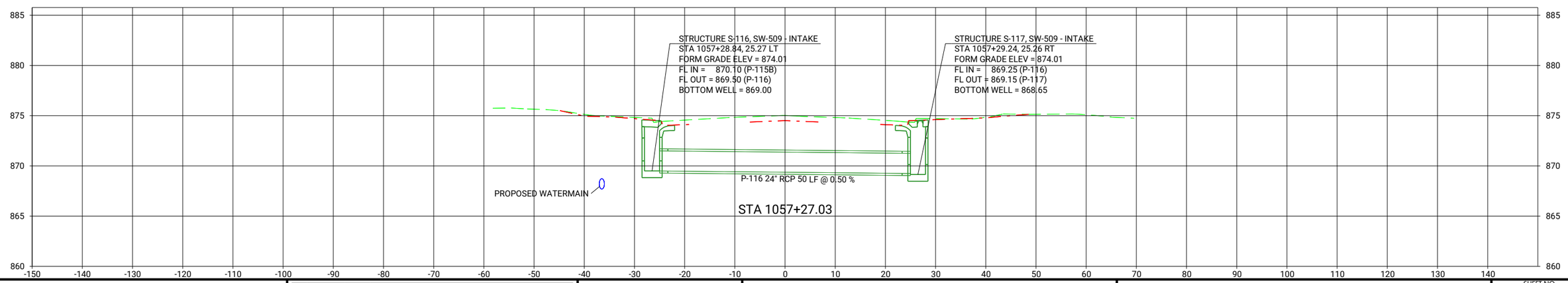

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STORM SEWER CROSS SECTIONS

SHEET NO.
M.34
STBG-SWAP-1185(657)

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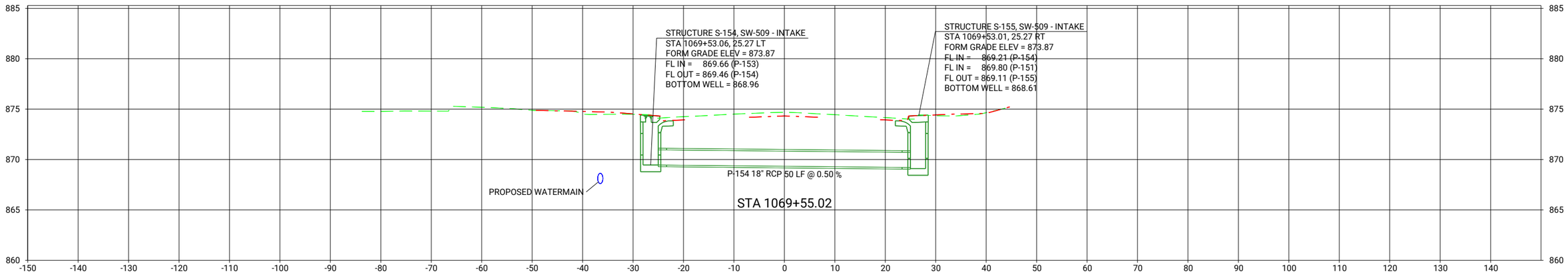

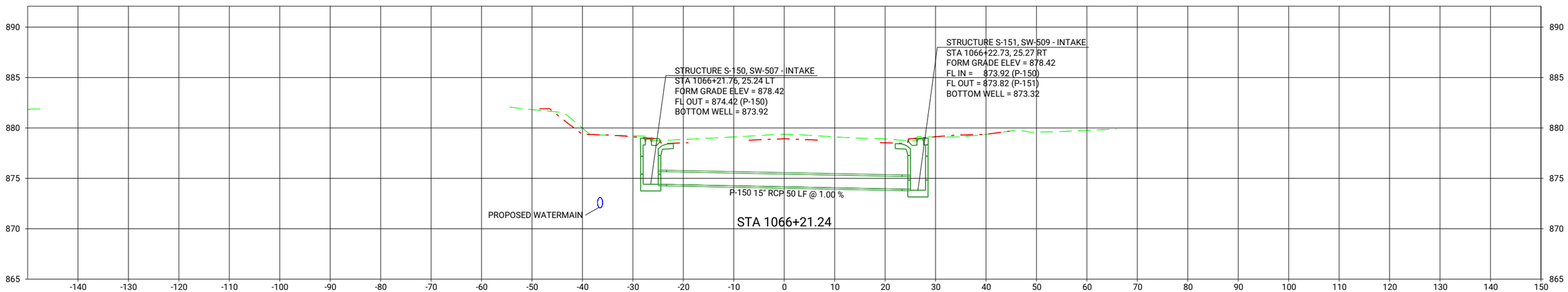

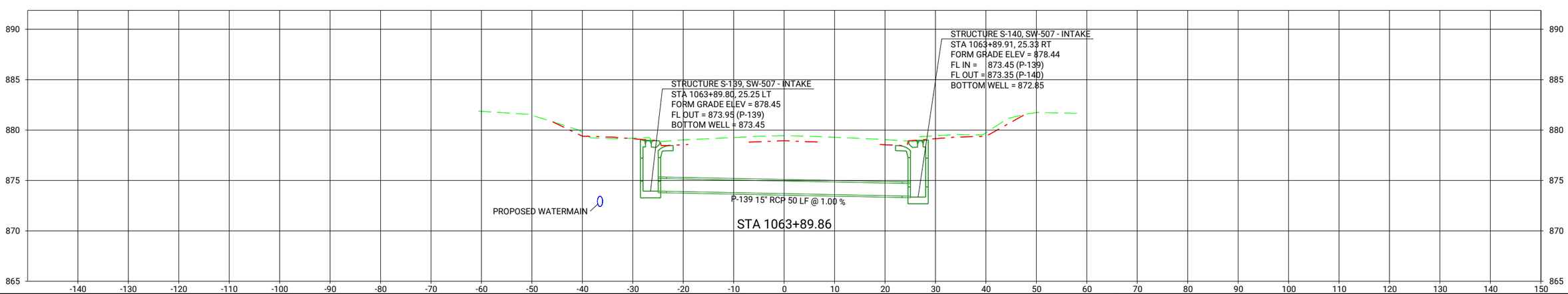

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STORM SEWER CROSS SECTIONS

SHEET NO.
M.35

STBG-SWAP-1185(657

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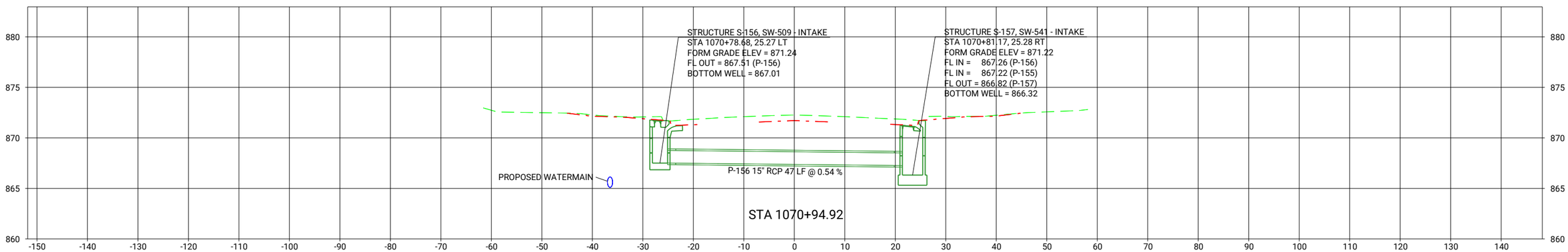

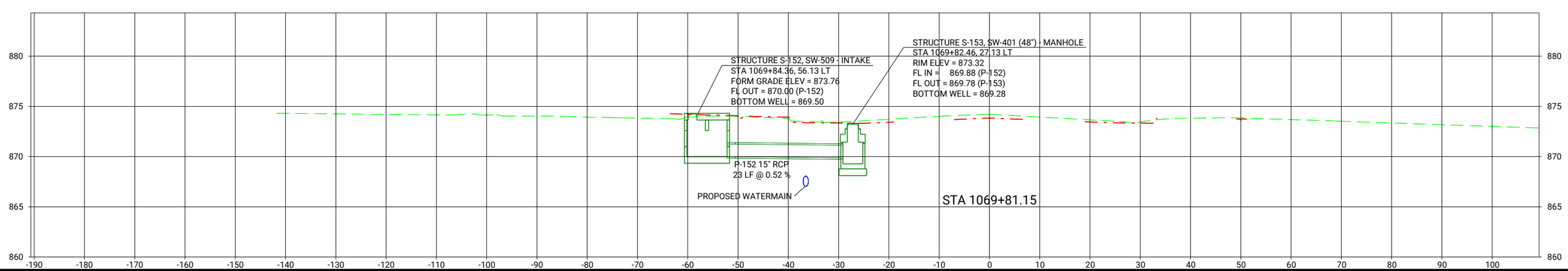

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
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LETTING DATE: 11/15/2022 CAD DATE: 8/30/2022 10:27:03 AM
CAD FILE: c:\pw_workdir\pw_ie\fvd_kmw3\d0518375\0021C017.02_M03_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STORM SEWER CROSS SECTIONS

SHEET NO.
M.36
STBG-SWAP-1185(657

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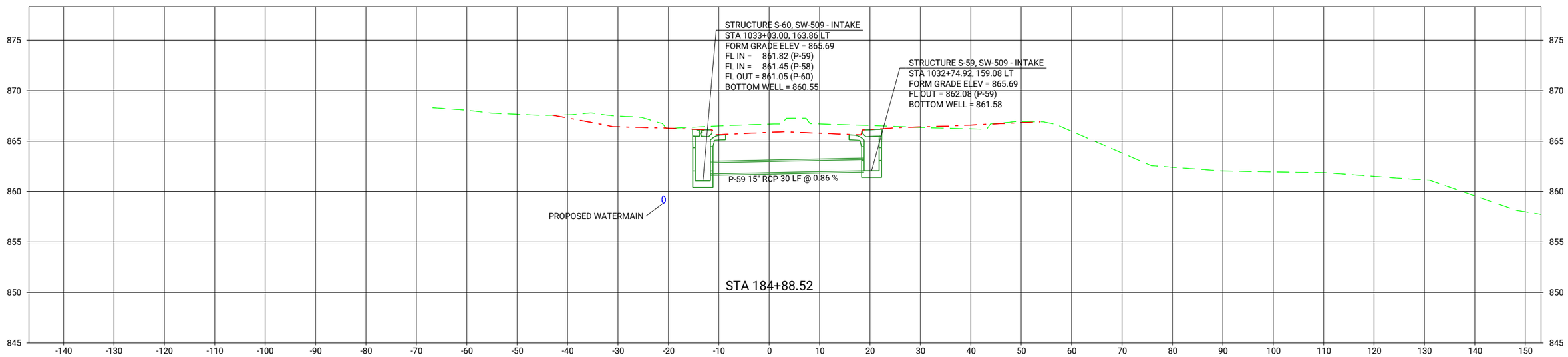

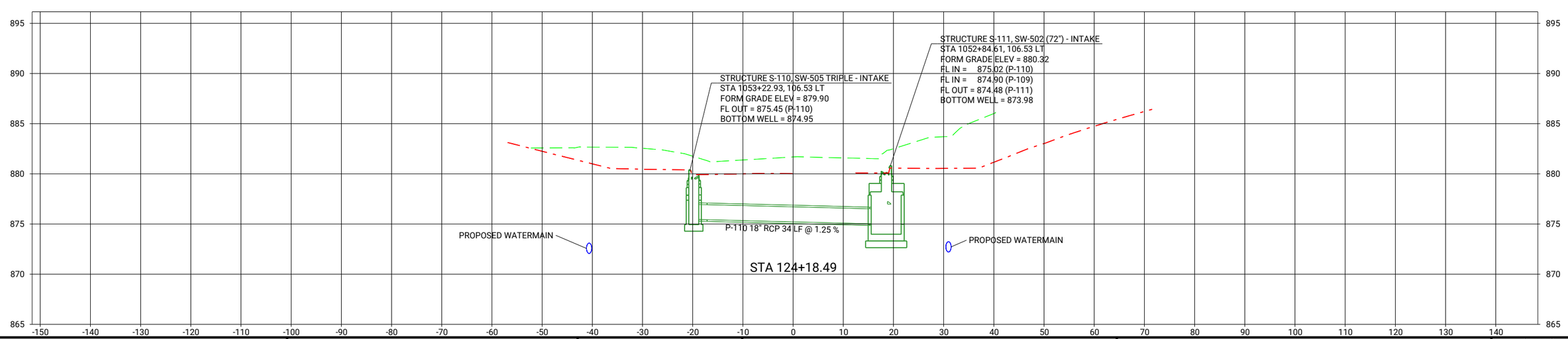

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LETTING DATE: 11/15/2022 CAD DATE: 8/30/2022 10:27:05 AM
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STORM SEWER CROSS SECTIONS

SHEET NO.
M.37
STBG-SWAP-1185(657

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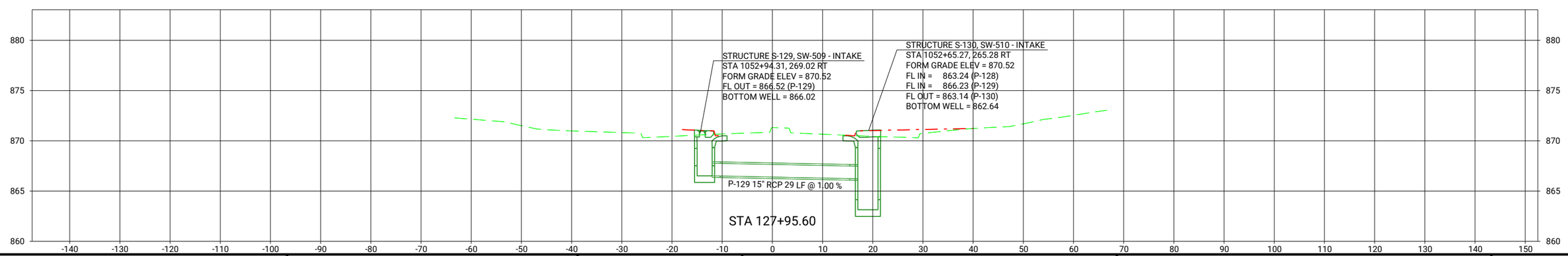

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: K. WOLLNER CHECKED BY: M. FAHRER DRAWN BY: K. WOLLNER
LETTING DATE: 11/15/2022 CAD DATE: 8/30/2022 10:27:05 AM
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STORM SEWER CROSS SECTIONS

SHEET NO.
M.38

STBG-SWAP-1185(657

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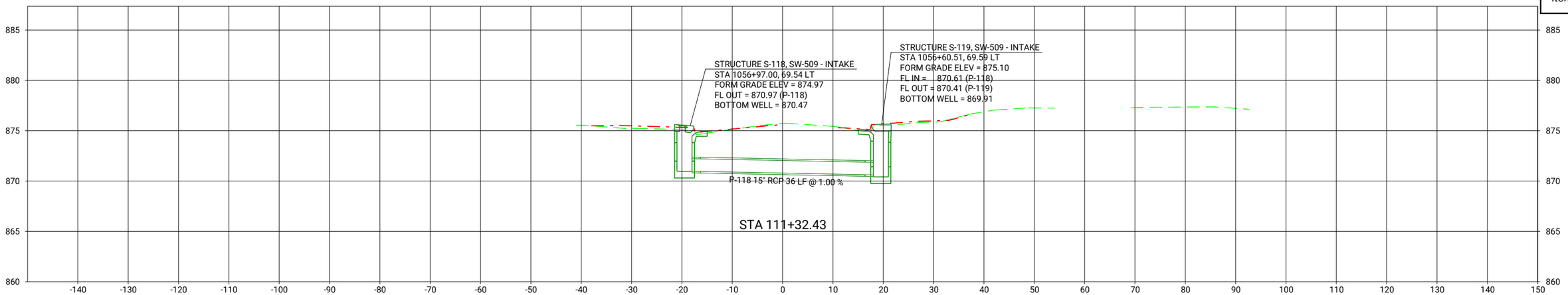

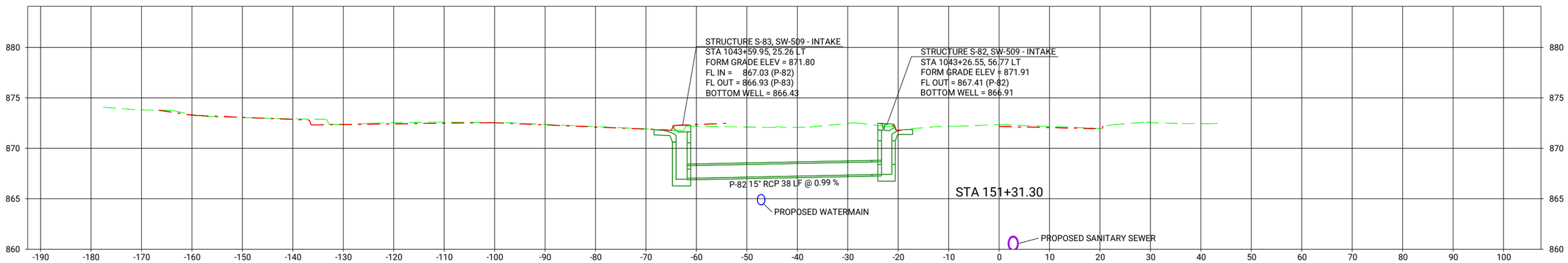

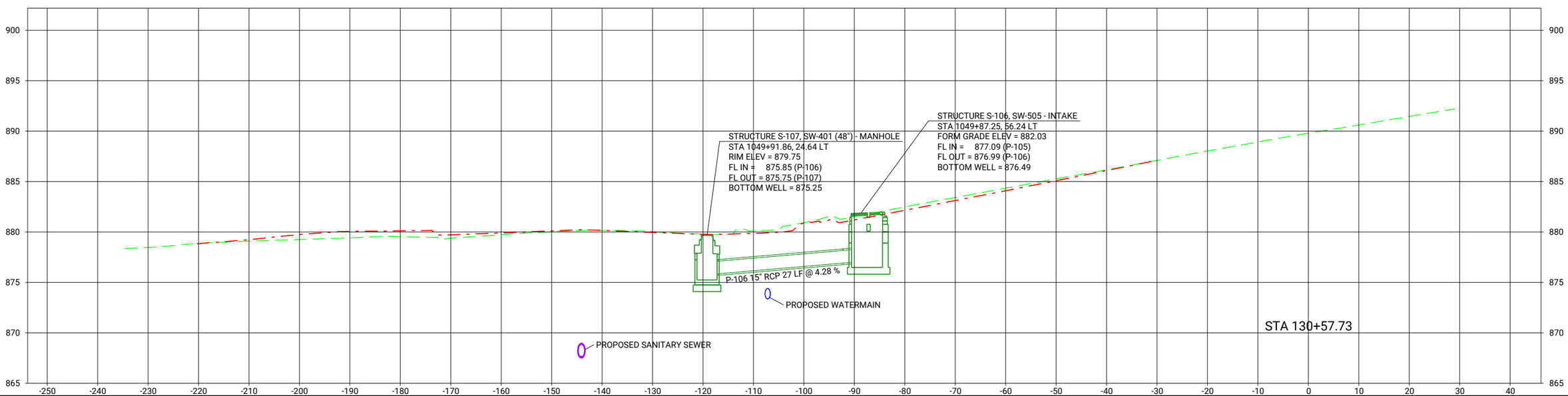

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: K. WOLLNER CHECKED BY: M. FAHRER DRAWN BY: K. WOLLNER
LETTING DATE: 11/15/2022 CAD DATE: 8/30/2022 10:27:07 AM
CAD FILE: c:\pw_workdir\pw_ie\fvd_kmw3\d0518375\0021C017.02_M03_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STORM SEWER CROSS SECTIONS

SHEET NO.
M.39
STBG-SWAP-1185(657)

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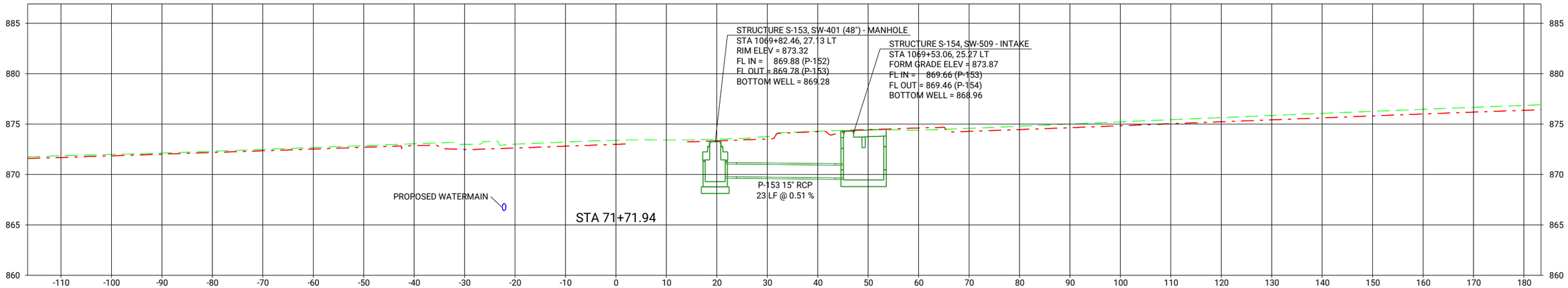

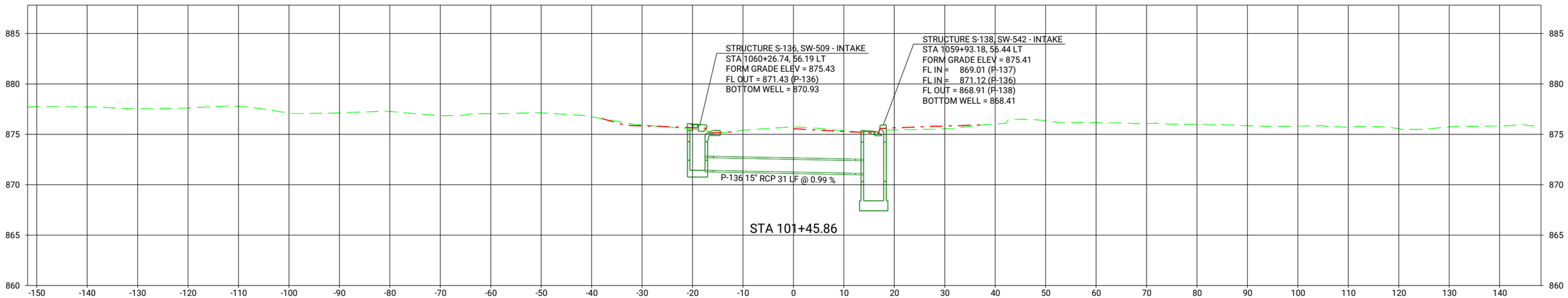

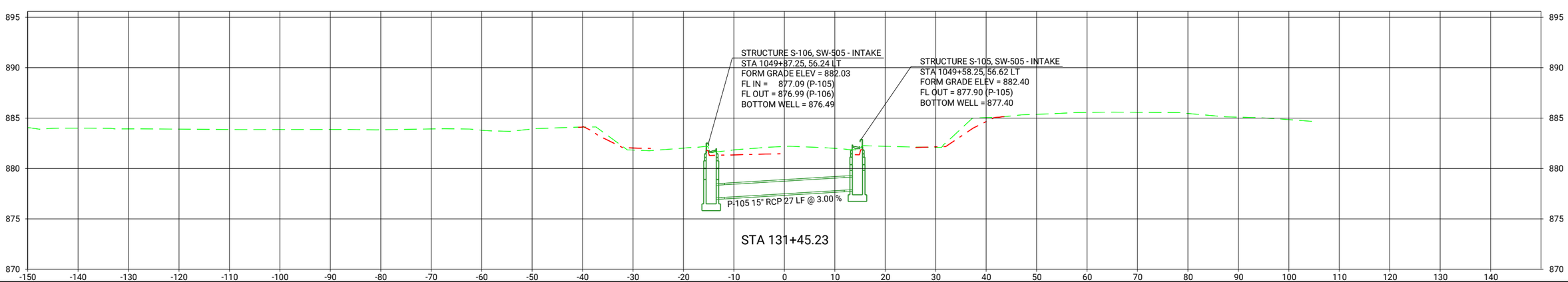

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: K. WOLLNER CHECKED BY: M. FAHRER DRAWN BY: K. WOLLNER
LETTING DATE: 11/15/2022 CAD DATE: 8/30/2022 10:27:09 AM
CAD FILE: c:\pw_workdir\pw_ie\fvd_kmw3\d0518375\0021C017.02_M03_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STORM SEWER CROSS SECTIONS

SHEET NO.
M.40

STBG-SWAP-1185(657

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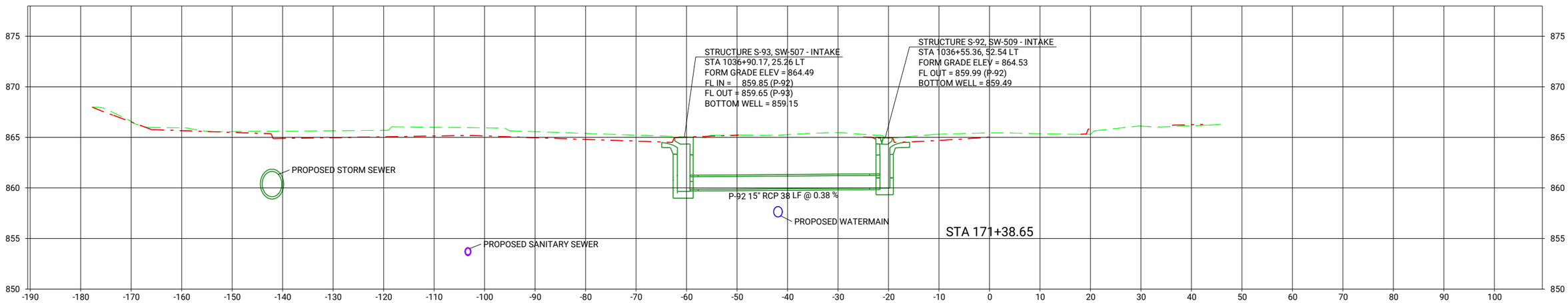

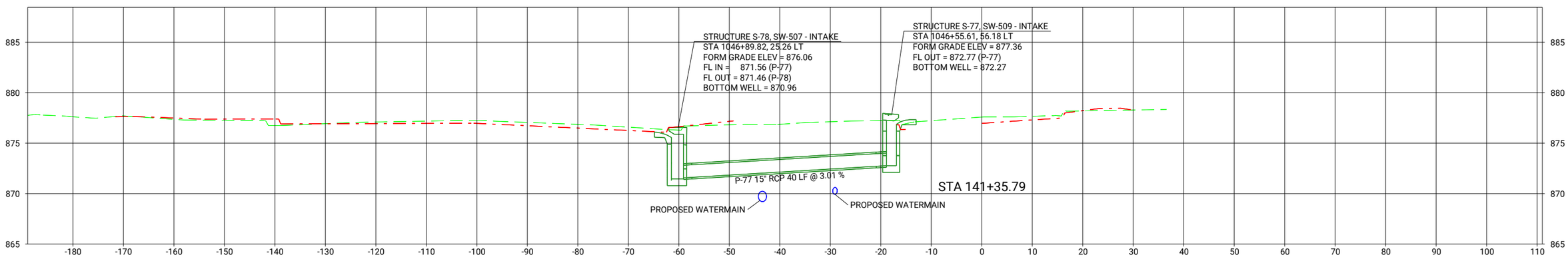

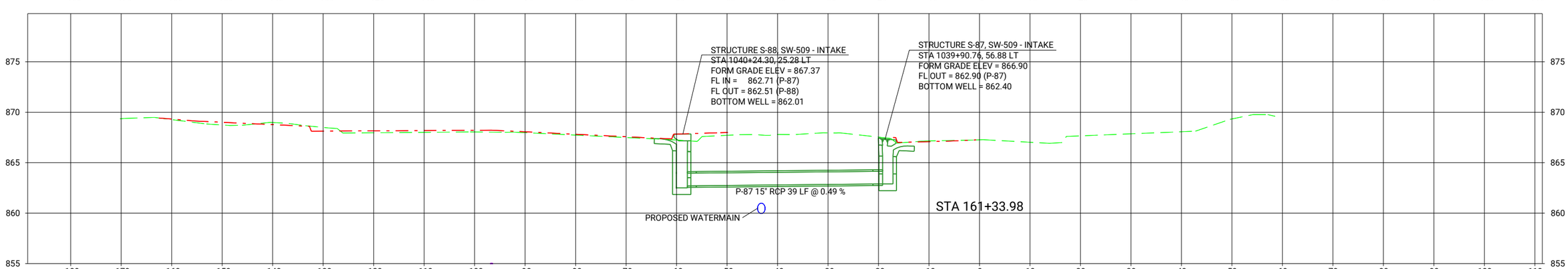

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: K. WOLLNER CHECKED BY: M. FAHRER DRAWN BY: K. WOLLNER
LETTING DATE: 11/15/2022 CAD DATE: 8/30/2022 10:27:10 AM
CAD FILE: c:\pw_workdir\pw_ie\fvd_kmw3\d0518375\0021C017.02_M03_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STORM SEWER CROSS SECTIONS

SHEET NO.
M.41
STBG-SWAP-1185(657

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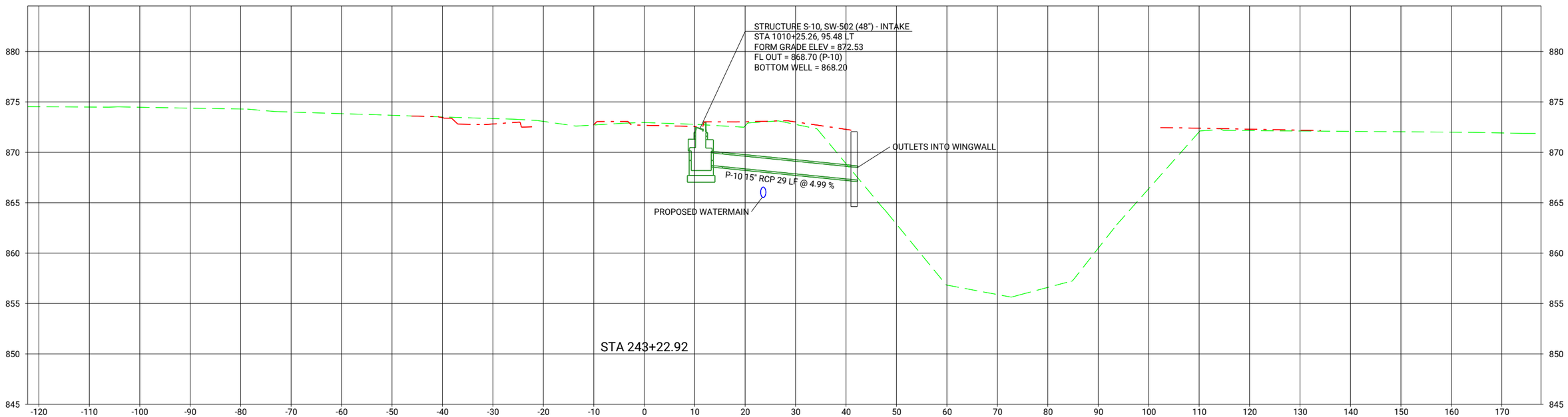

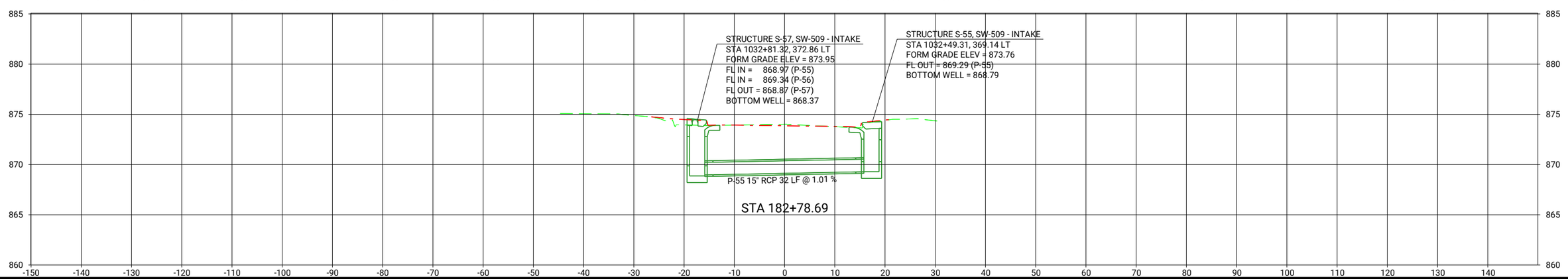

CLIENT PROJECT NO:	STBG-SWAP-1185(657)--SG-07
FOTH PROJECT NO:	0021C017.02
DESIGNED BY:	K. WOLLNER
CHECKED BY:	M. FAHRER
DRAWN BY:	K. WOLLNER
LETTING DATE:	11/15/2022
CAD DATE:	8/30/2022 10:27:11 AM
CAD FILE:	c:\pw_workdir\pw_ie\fvd_kmw3\d0518375\0021C017.02_M03_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STORM SEWER CROSS SECTIONS

SHEET NO.
M.42
STBG-SWAP-1185(657

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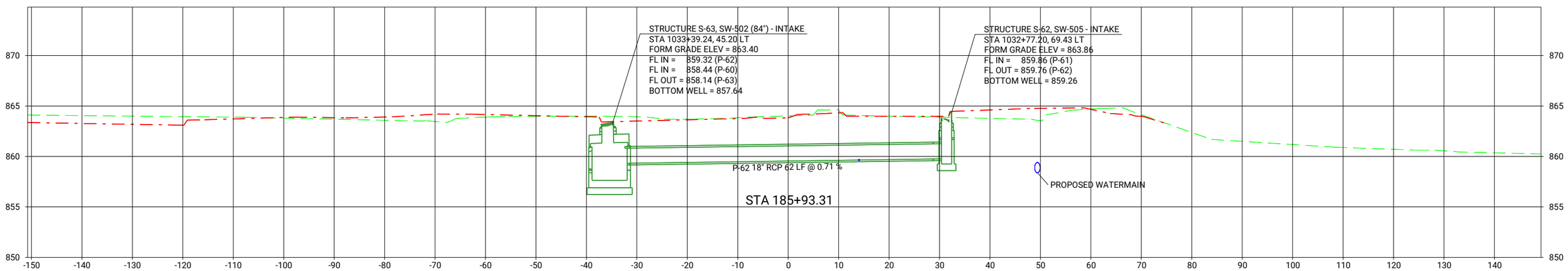

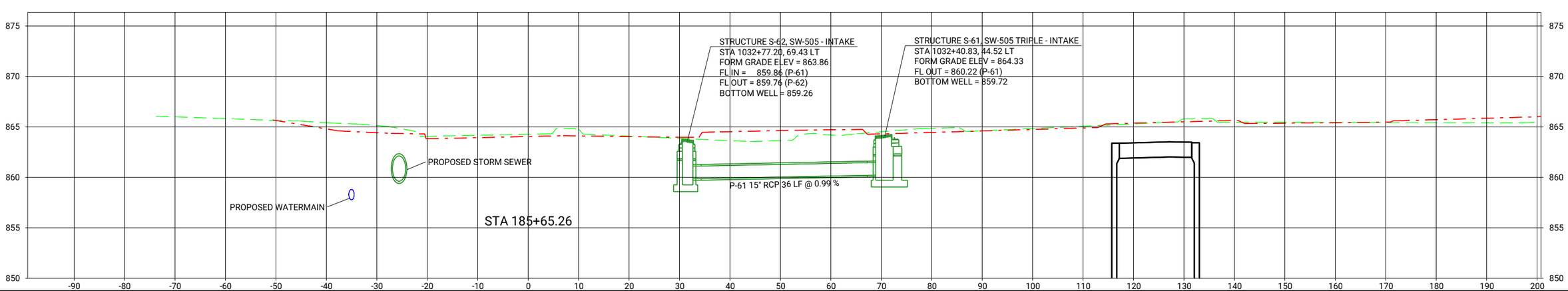

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: K. WOLLNER CHECKED BY: M. FAHRER DRAWN BY: K. WOLLNER
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STORM SEWER CROSS SECTIONS

SHEET NO.
M.43
STBG-SWAP-1185(657)

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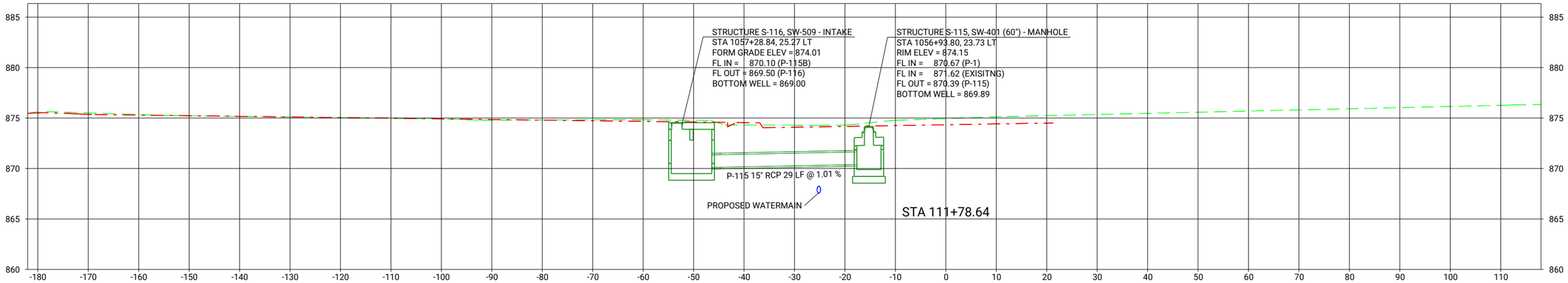

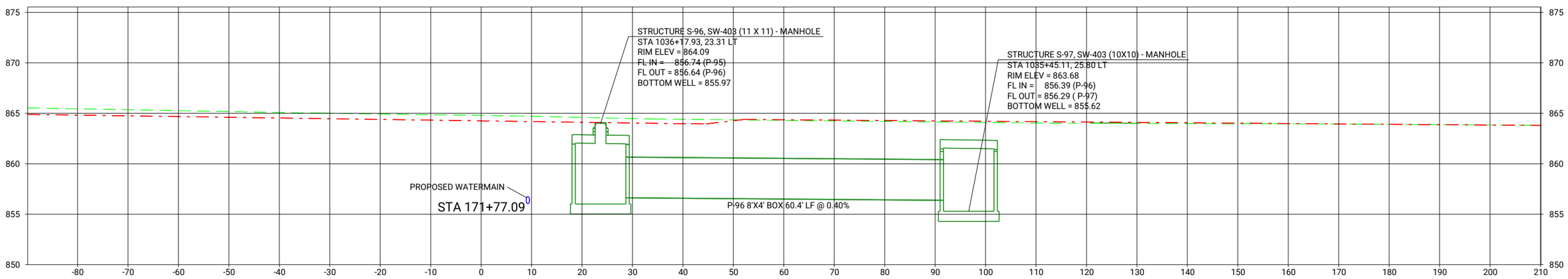

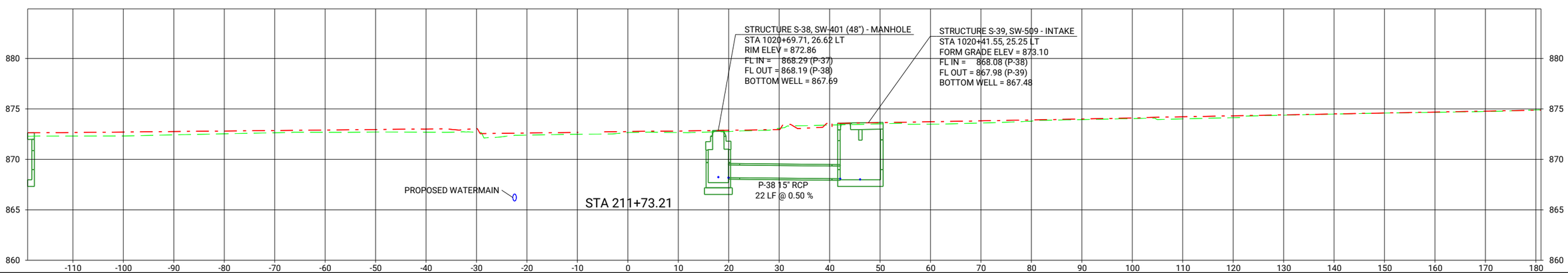

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07	FOTH PROJECT NO: 0021C017.02		
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LETTING DATE: 11/15/2022	CAD DATE: 8/30/2022	3:27:26 PM	
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STORM SEWER CROSS SECTIONS

SHEET NO.
M.44
STBG-SWAP-1185(657

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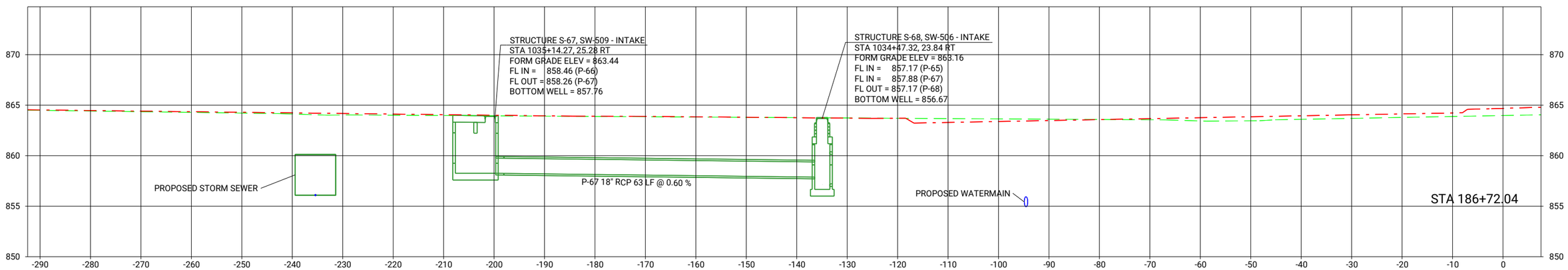

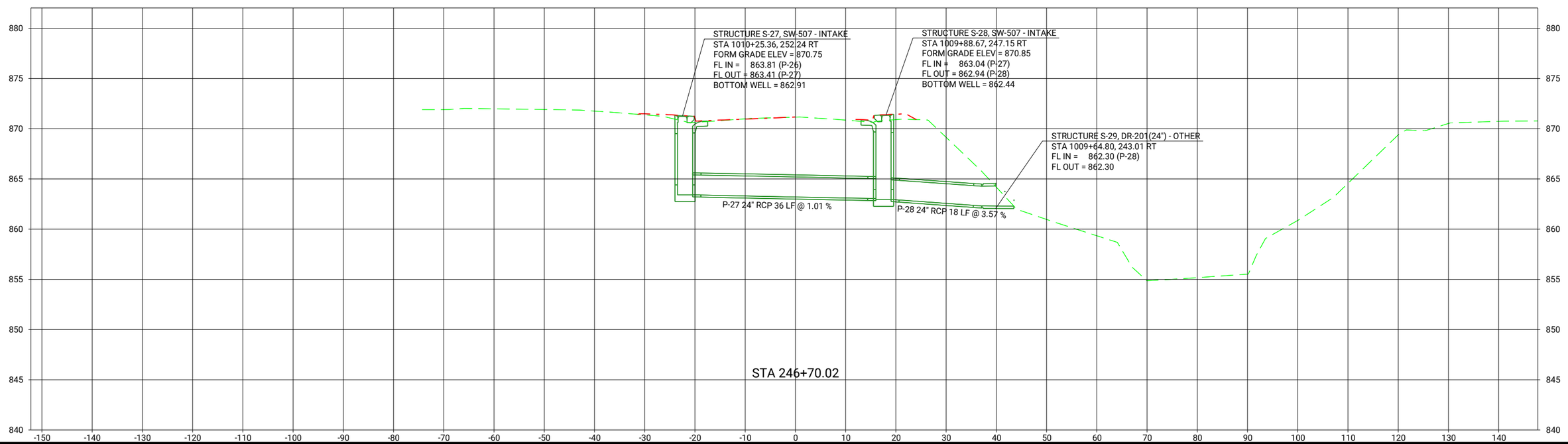

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: K. WOLLNER CHECKED BY: M. FAHRER DRAWN BY: K. WOLLNER
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
STORM SEWER CROSS SECTIONS

SHEET NO.
M.45
STBG-SWAP-1185(657)

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SANITARY SEWER

* Bid Item

UTILITY ACCESSES

Structure Number	Location Station	Location Offset	*Type or Standard Road Plan	Rim/Form Grade Elevation	Bottom Well Elevation	Notes
MH-1	1004+49.21	33.32 LT	SW-301 (48")	873.44	864.31	INTERNAL DROP IN STRUCTURE
MH-2	1006+06.45	32.35 LT	SW-301 (48")	871.95	862.32	
MH-3	1006+44.06	31.93 LT	SW-301 (48")	871.93	861.70	
MH-4	1008+83.39	32.39 LT	SW-301 (48")	873.83	860.43	
MH-6	1012+14.85	19.81 RT	SW-301 (48")	872.57	862.50	
MH-7	1012+14.61	0.05 RT	SW-301 (48")	872.82	861.40	
MH-9	1016+91.52	0.01 RT	SW-301 (48")	876.52	860.60	
MH-10	1020+87.79	0.05 LT	SW-301 (48")	873.24	859.70	
MH-11	1024+16.41	0.02 RT	SW-301 (48")	871.54	858.46	
MH-13	1024+39.06	0.05 LT	SW-301 (48")	871.43	858.30	
MH-14	1026+48.98	0.01 RT	SW-301 (48")	870.38	857.37	
MH-15	1031+71.93	9.63 LT	SW-301 (48")	865.95	857.00	
MH-16	1029+78.38	0.20 RT	SW-301 (48")	867.59	856.12	
MH-17	1034+20.01	4.62 RT	SW-301 (48")	863.94	854.16	
MH-18	1037+14.15	0.87 RT	SW-301 (48")	865.12	852.90	
MH-19	1049+70.55	0.00 LT	SW-301 (48")	880.20	867.70	
MH-20	1046+40.45	0.00 RT	SW-301 (48")	875.87	863.52	
MH-23	1043+08.56	0.04 RT	SW-301 (48")	871.78	859.30	
MH-24	1039+77.59	0.01 LT	SW-301 (48")	867.19	851.77	
MH-27	1053+05.24	0.02 LT	SW-301 (48")	878.85	857.40	
MH-28	1056+76.43	0.00 RT	SW-301 (48")	874.74	856.75	
MH-29	1060+11.35	0.00 LT	SW-301 (48")	875.80	856.15	
MH-30	1063+42.29	0.00 RT	SW-301 (48")	878.54	855.56	
MH-31	1066+73.30	0.00 RT	SW-301 (48")	878.52	854.96	
MH-32	1069+96.28	0.00 RT	SW-301 (48")	873.55	854.06	
MH-33	1073+39.18	0.08 RT	SW-301 (48")	867.38	853.30	
MH-35	1023+97.88	45.87 RT	SW-301 (48")	871.89	860.61	

PIPES

Design Length, Slope, and Flowlines are calculated from inside wall to inside wall along CL of pipe.
An additional 2 ft length is added to each side of the Design Length to account for the estimated length to the center of structures.

Line Number	Utility Access Number From	Utility Access Number To	TYPE	Pipe Size Inches	Bid* Length Feet	Design Length Feet	Slope %	Flow Lines Inlet Elevation	Flow Lines Outlet Elevation	Flow Lines Other Elevation	Pipe Profile Sheet Number	Notes
SA-1	MH-1	MH-2	V	8	157	153.2	1.23%	864.81	862.92		MSA.3	
SA-2	MH-2	MH-3	V	8	38	33.6	1.55%	862.82	862.30		MSA.3	
SA-3	MH-3	MH-4	V	8	239	235.3	0.50 %	862.20	861.03		MSA.3	
SA-4	MH-4	EXISTING	V	10	69	65.5	7.59 %	860.93	855.96		MSA.16	
SA-5	EXISTING	MH-7	V	15	36	31.8	0.19 %	862.06	862.00		MSA.16	
SA-6	MH-6	MH-7	V	15	20	15.8	0.76 %	863.00	862.88		MSA.16	
SA-7	MH-7	MH-9	V	15	477	472.9	0.15 %	861.90	861.20		MSA.4	
SA-8	EX-3	MH-9	V	8	47	43.3	1.34 %	862.65	862.07		MSA.17	
SA-9	MH-9	MH-10	V	15	396	392.3	0.20 %	861.10	860.30		MSA.5	
SA-10	MH-10	MH-11	V	15	329	324.6	0.35 %	860.20	859.06		MSA.5	
SA-11	MH-11	MH-13	V	15	23	18.7	0.32 %	858.96	858.90		MSA.6	
SA-12	EXISTING	MH-13	V	15	57	52.8	0.10 %	859.13	859.09		MSA.18	
SA-13	MH-13	MH-14	V	15	210	205.9	0.40 %	858.80	857.97		MSA.6	
SA-14	MH-14	MH-16	V	15	329	325.4	0.35 %	857.87	856.72		MSA.6	
SA-15	MH-15	MH-16	V	8	194	190.2	0.41 %	857.50	856.72		MSA.7	
SA-16	MH-16	EXISTING	V	15	37	33.3	0.60 %	856.62	856.42		MSA.18	
SA-17	MH-17	MH-18	V	8	294	290.2	0.40 %	854.66	853.50		MSA.7	INCLUDES 264 LF 8 PVC AND 30 LF STEEL CASED
SA-18	MH-18	MH-24	V	8	263	259.4	0.40 %	853.40	852.37		MSA.8	
SA-19	MH-19	MH-20	V	15	330	326.1	1.25 %	868.20	864.12		MSA.9	
SA-20	MH-20	MH-23	V	15	332	327.9	1.26 %	864.02	859.90		MSA.9	
SA-21	EXISTING	MH-23	V	15	82	78.0	0.32 %	859.97	859.72		MSA.19	
SA-22	EXISTING	MH-23	V	10	57	53.0	0.68 %	860.37	860.01		MSA.19	
SA-23	MH-23	MH-24	V	12	331	327.0	2.27 %	859.80	852.37		MSA.8	
SA-24	MH-24	EXISTING	V	12	52	48.0	0.27 %	852.27	852.14		MSA.19	
SA-25	MH-19	MH-27	V	15	335	330.7	2.51 %	868.20	859.90		MSA.10	
SA-26	EXISTING	MH-27	V	8	361	356.7	0.24 %	859.30	858.45		MSA.15	
SA-27	MH-27	MH-28	V	15	371	367.2	0.15 %	857.90	857.35		MSA.11	
SA-28	MH-28	MH-29	V	15	335	330.9	0.15 %	857.25	856.75		MSA.11	
SA-29	MH-29	MH-30	V	15	331	326.9	0.15 %	856.65	856.16		MSA.12	
SA-30	MH-30	MH-31	V	15	331	327.0	0.15 %	856.06	855.56		MSA.12	
SA-31	MH-31	MH-32	V	15	323	319.0	0.25 %	855.46	854.66		MSA.13	
SA-32	MH-32	MH-33	V	15	343	338.9	0.19 %	854.56	853.90		MSA.13	
SA-34	EXISTING	MH-35	III	27	103	99.3	0.30 %	861.41	861.11		MSA.17	

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: K. WOLLNER CHECKED BY: M. FAHRER DRAWN BY: K. WOLLNER
LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 9:31:00 AM
CAD FILE: c:\pw_workdir\pw_ie\fvd_kmw3\d0518375\0021C017.02_MSA01_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
SANITARY SEWER SHEETS

SHEET NO.
MSA.1

STBG-SWAP-1185(657

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Falls IA C/Main Street Reconstruction/CAD/Plans/0021C017.02_MSA01_SHT

SANITARY SEWER

* Bid Item

UTILITY ACCESSES

Structure Number	Location		*Type or Standard Road Plan	Rim/Form Grade Elevation	Bottom Well Elevation	Notes
	Station	Offset				
		TOTAL:	SW-301 (48")	27		

PIPES

Design Length, Slope, and Flowlines are calculated from inside wall to inside wall along CL of pipe.
An additional 2 ft length is added to each side of the Design Length to account for the estimated length to the center of structures.

Line Number	Utility Access Number		TYPE	Pipe Size	Bid* Length	Design Length	Slope %	Flow Lines			Pipe Profile Sheet Number	Notes
	From	To		Inches	Feet	Feet		Inlet Elevation	Outlet Elevation	Other Elevation		
			TOTAL:	8	1563							
				10	126							
				12	383							
				15	5027							
				27	103							
			STEEL CASED	8	30							

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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
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NO	DATE	BY	REVISION DESCRIPTION

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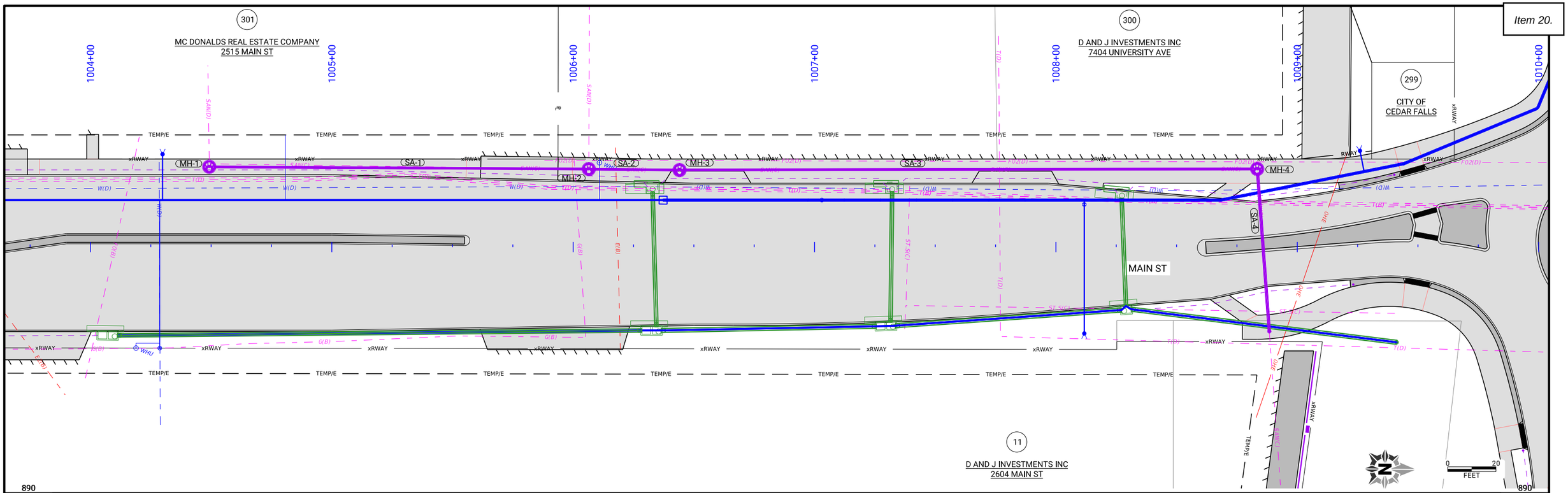
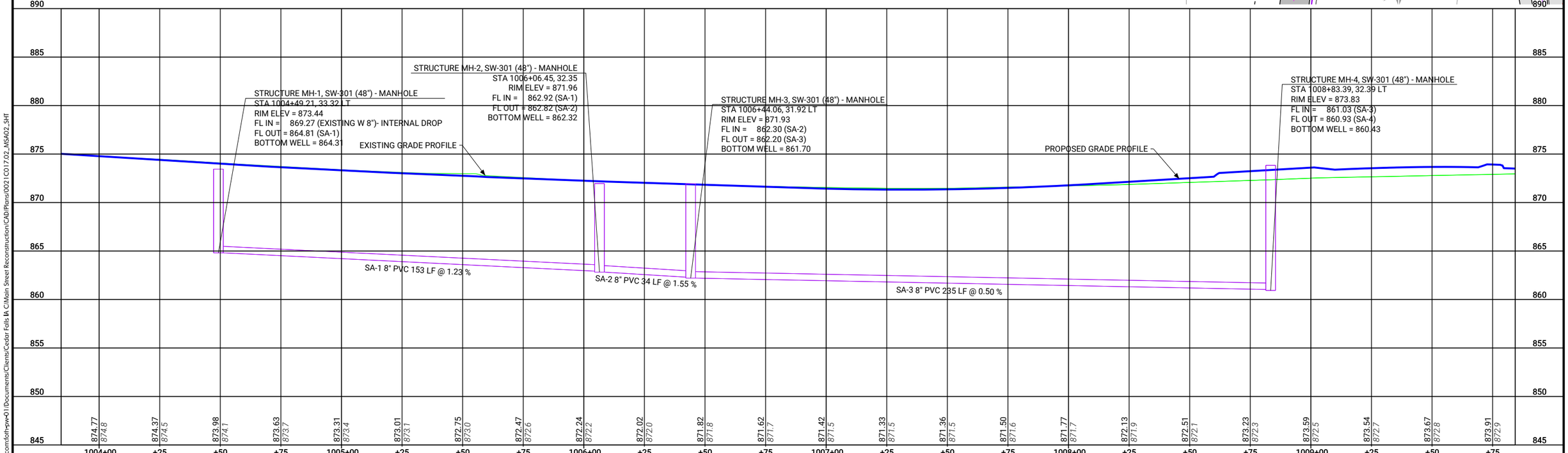
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
SANITARY SEWER SHEETS

SHEET NO.
MSA.2
STBG-SWAP-1185(657





CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 00210017.02
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
SANITARY SEWER SHEETS

SHEET NO.
MSA.3
STBG-SWAP-1185(657

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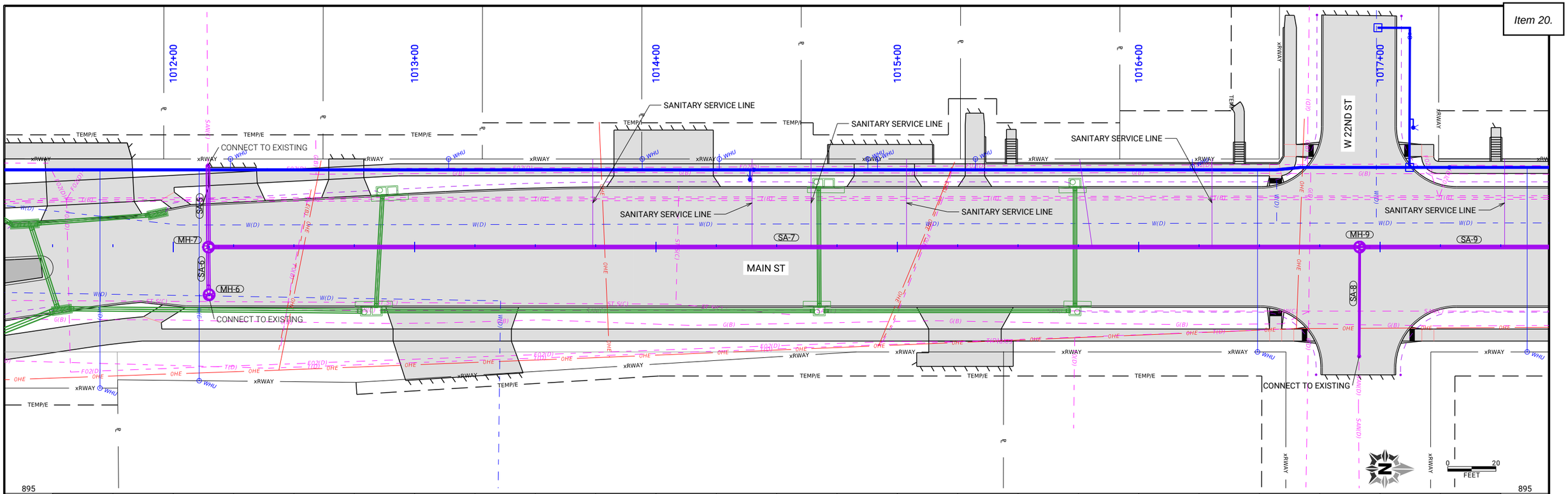

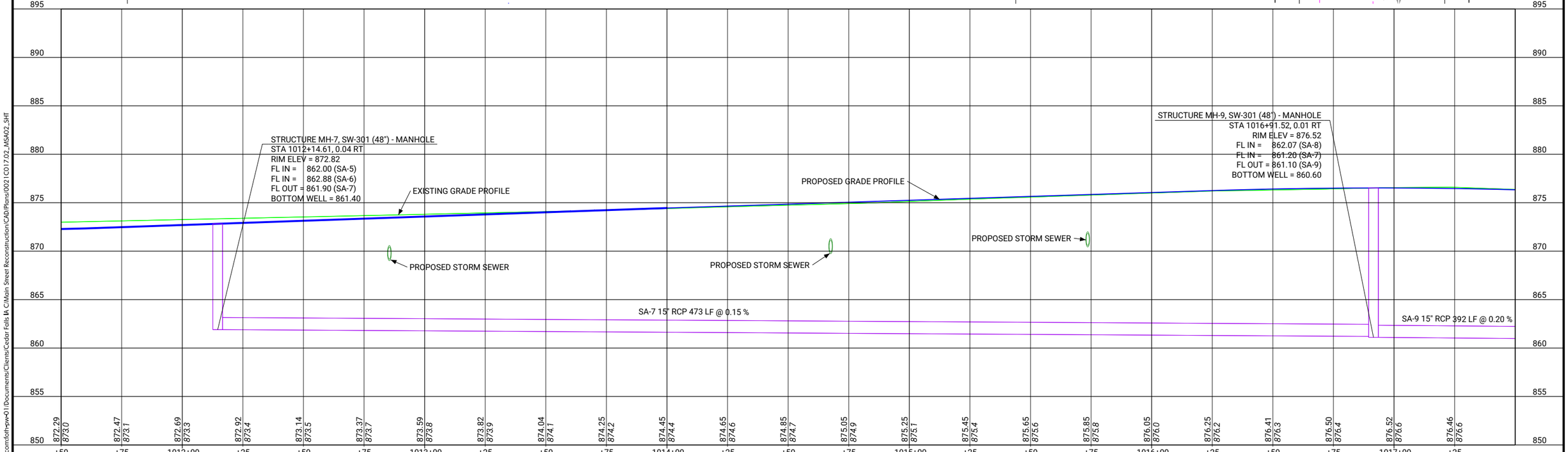

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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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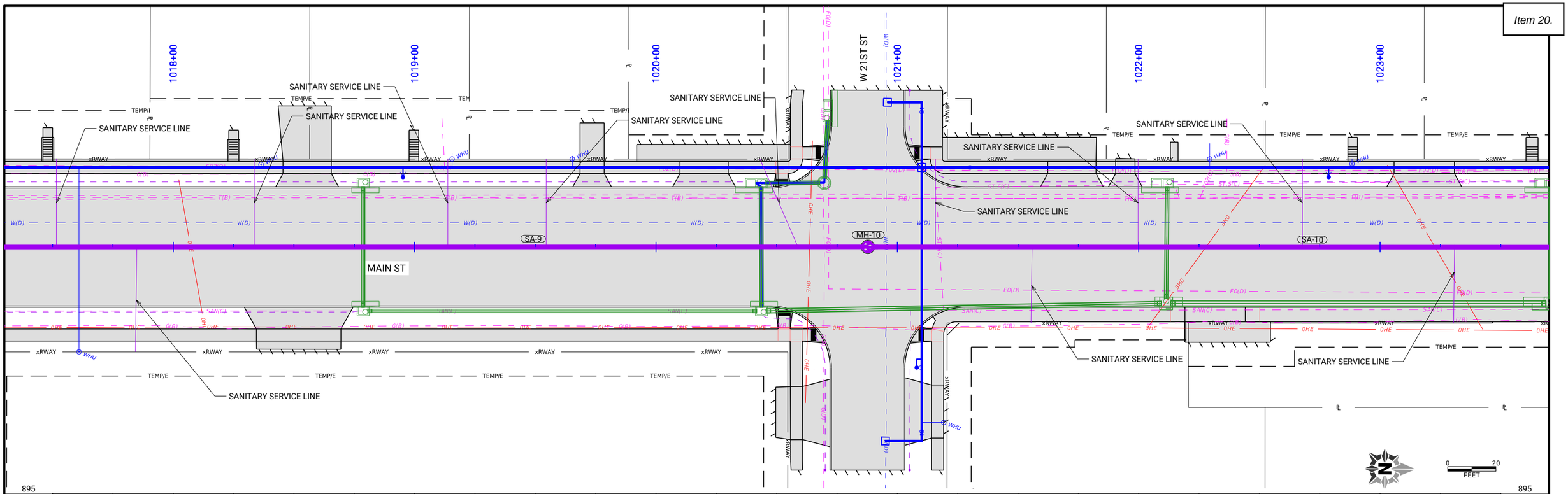
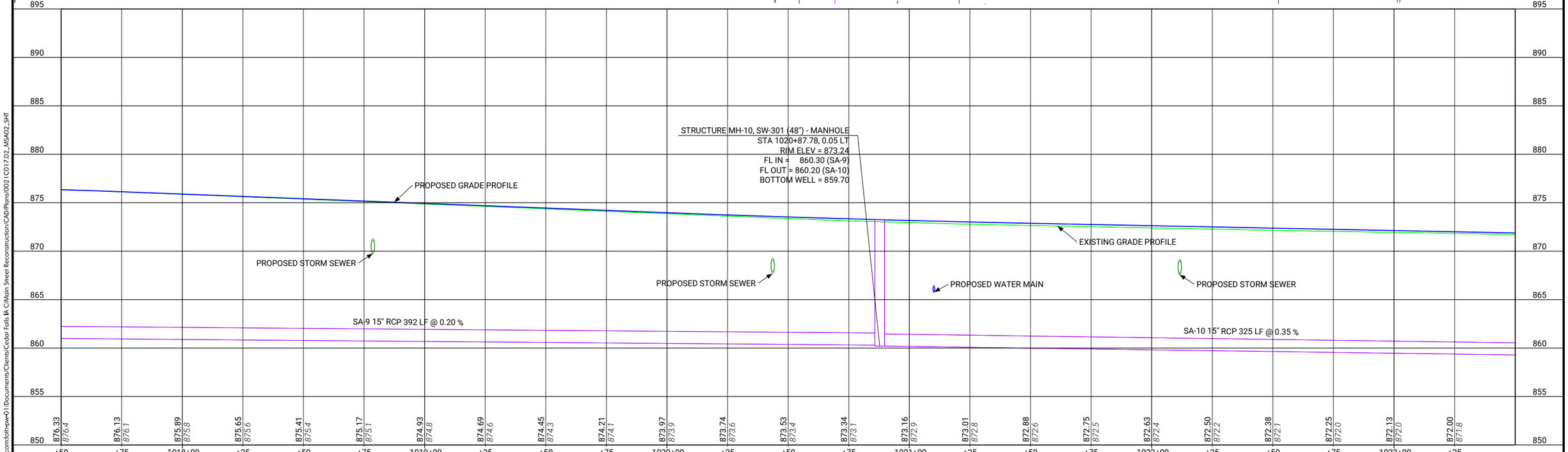
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
SANITARY SEWER SHEETS

SHEET NO.
MSA.4
STBG-SWAP-1185(657





CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
SANITARY SEWER SHEETS

SHEET NO.
MSA.5
STBG-SWAP-1185(657

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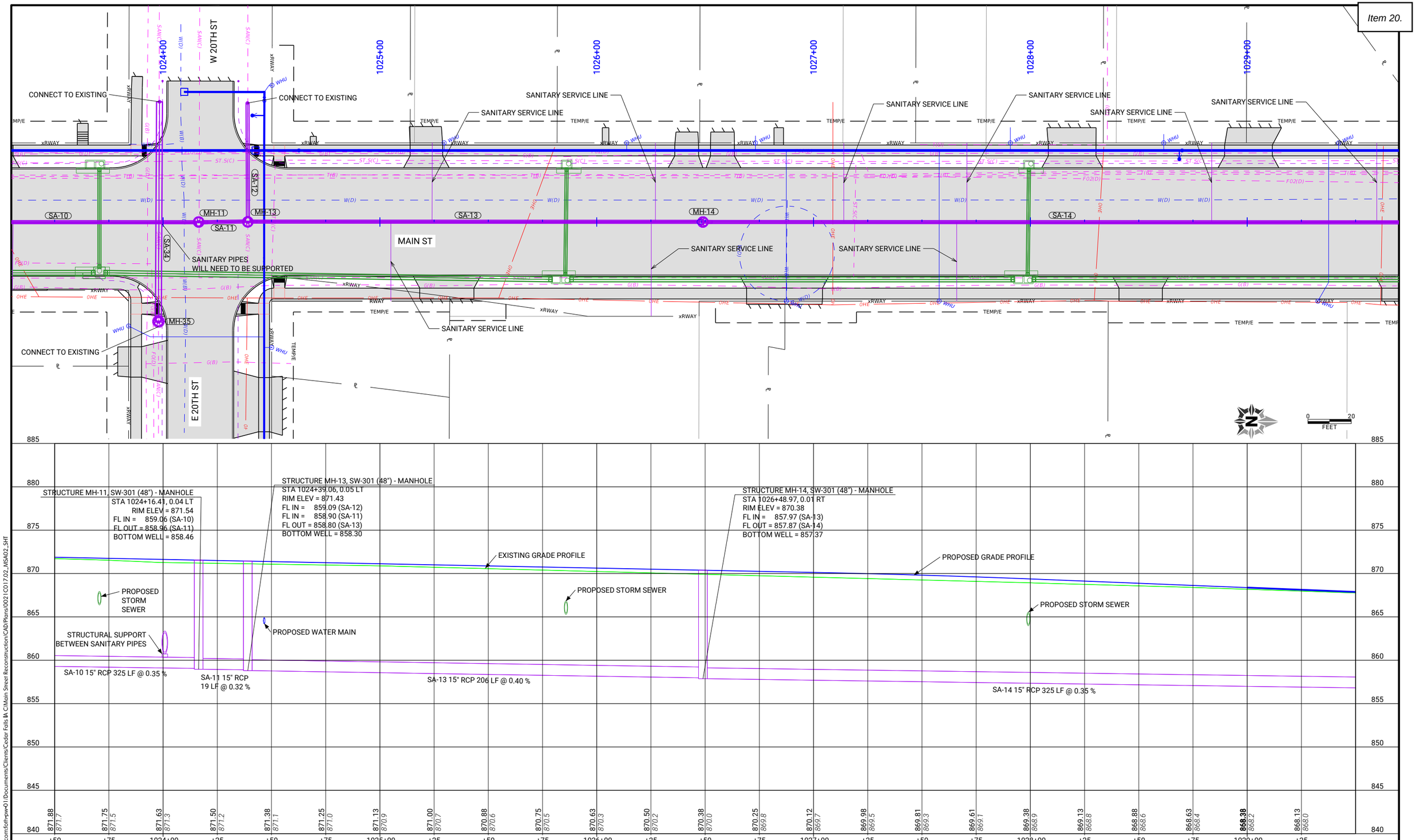

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
SANITARY SEWER SHEETS

SHEET NO.
MSA.6
STBG-SWAP-1185(657

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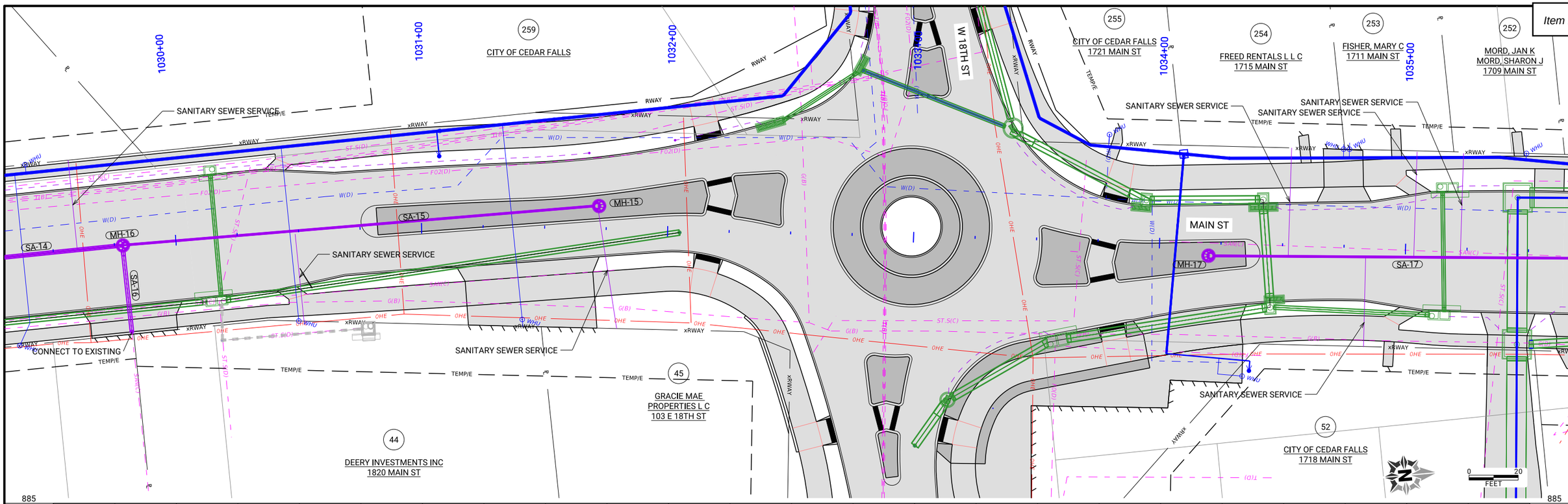

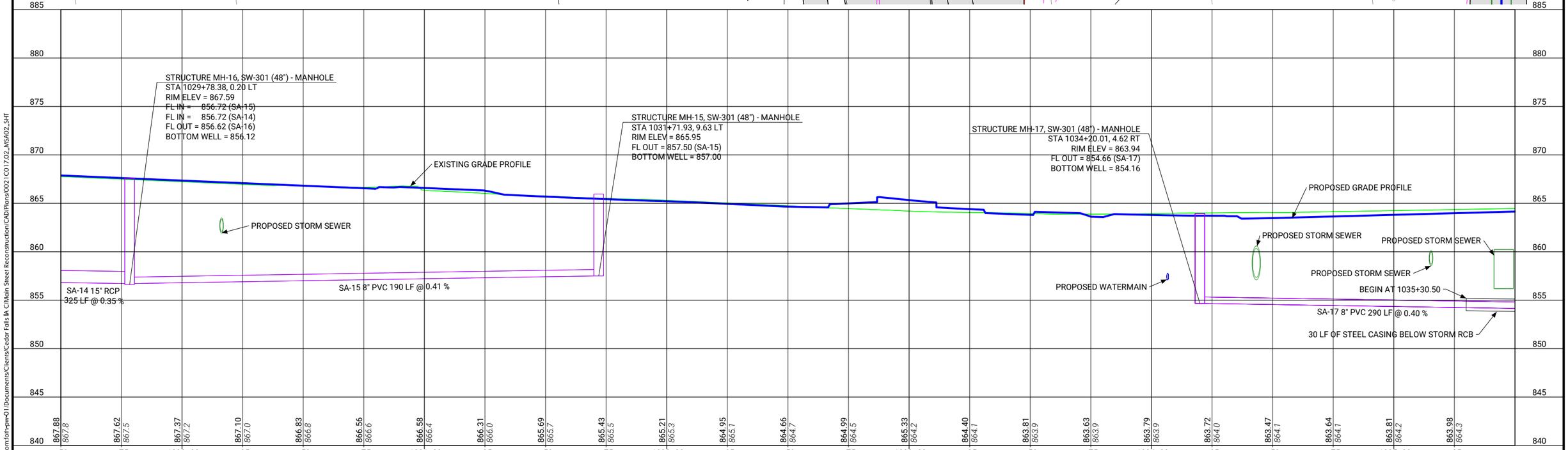

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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
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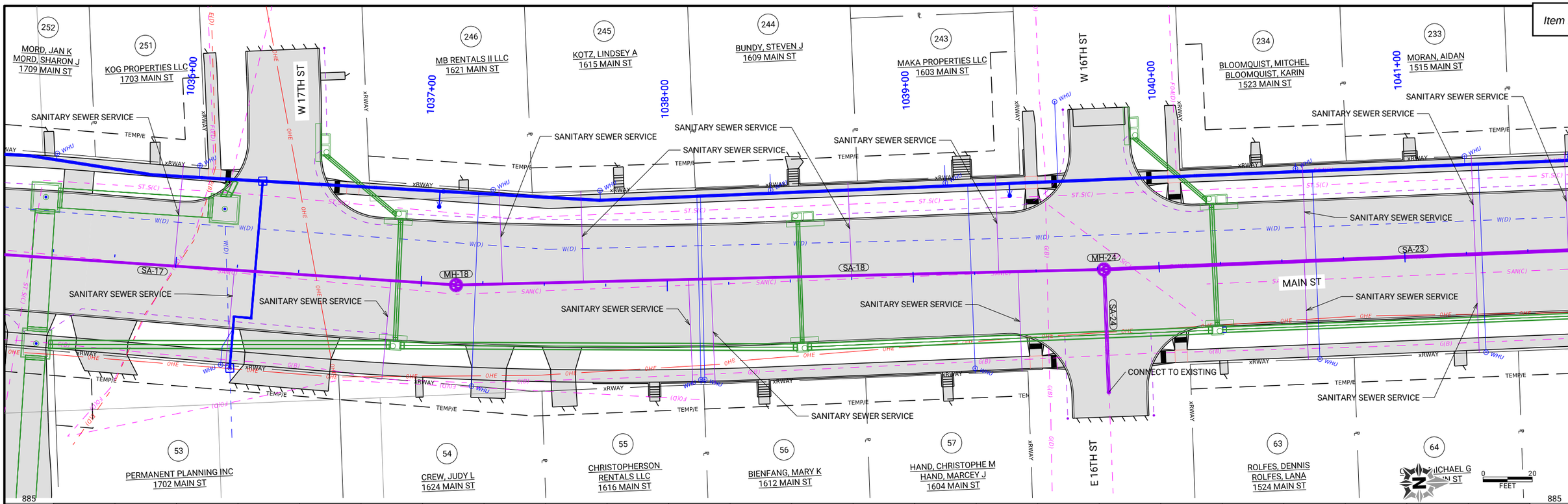
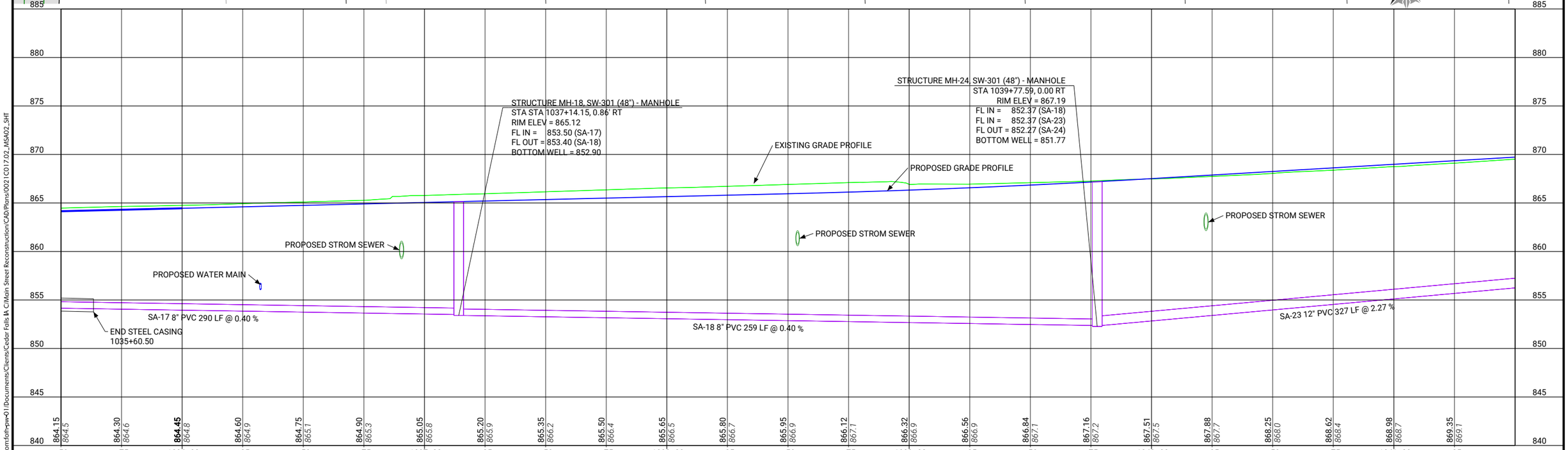
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
SANITARY SEWER SHEETS

SHEET NO.
MSA.7
STBG-SWAP-1185(657





CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
SANITARY SEWER SHEETS

SHEET NO.
MSA.8
STBG-SWAP-1185(657

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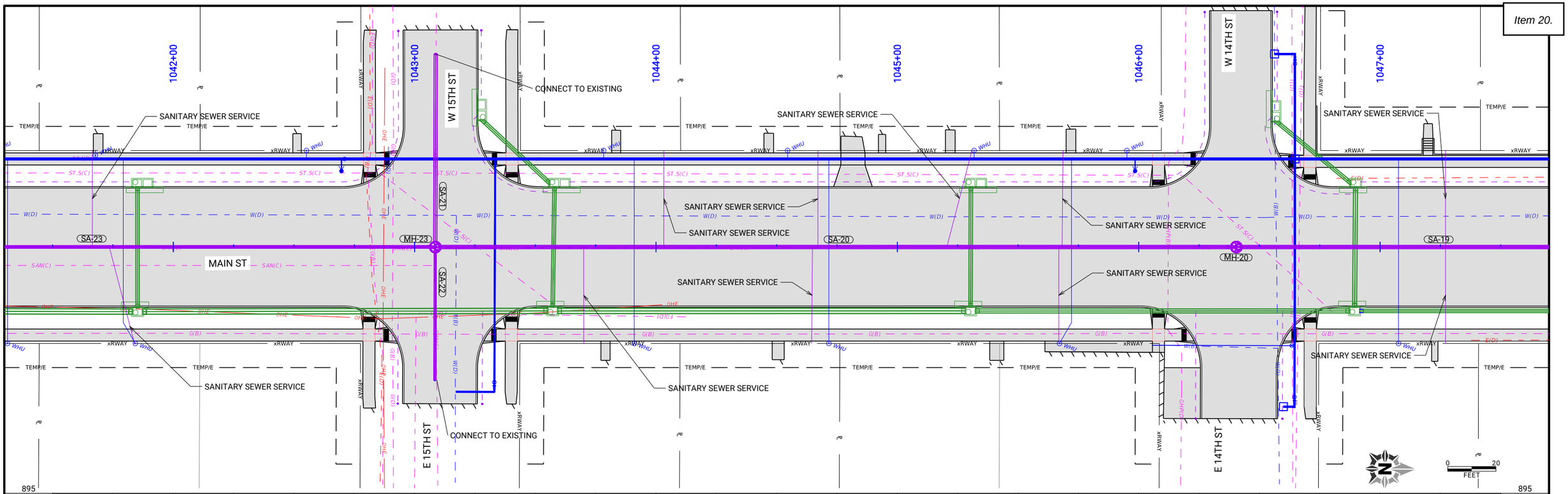

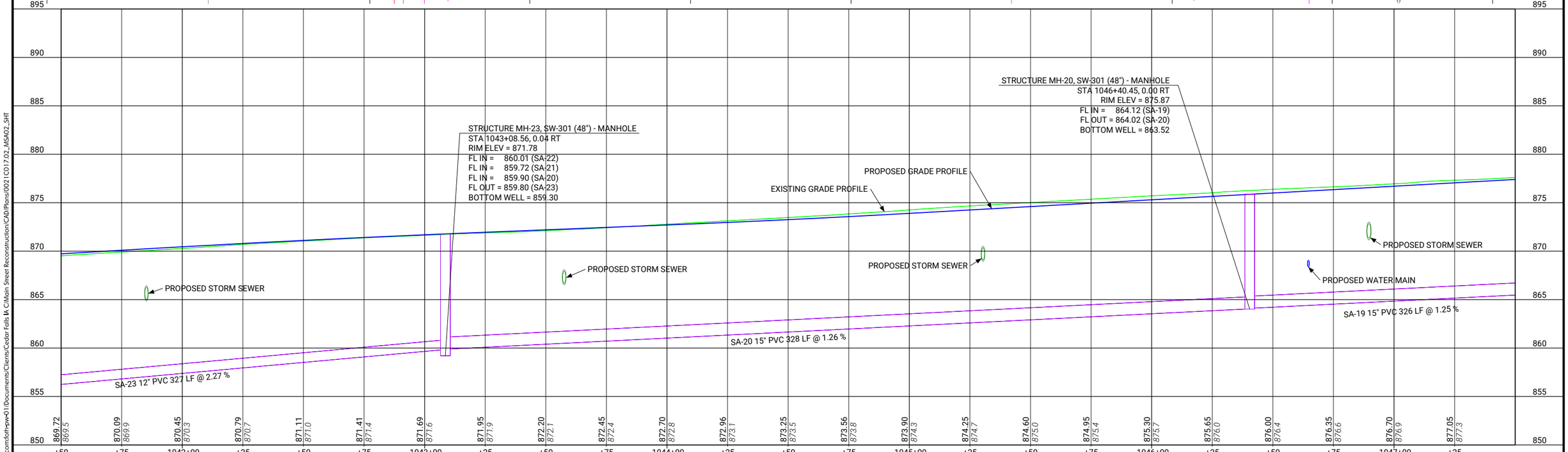

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
SANITARY SEWER SHEETS

SHEET NO.
MSA.9
STBG-SWAP-1185(657

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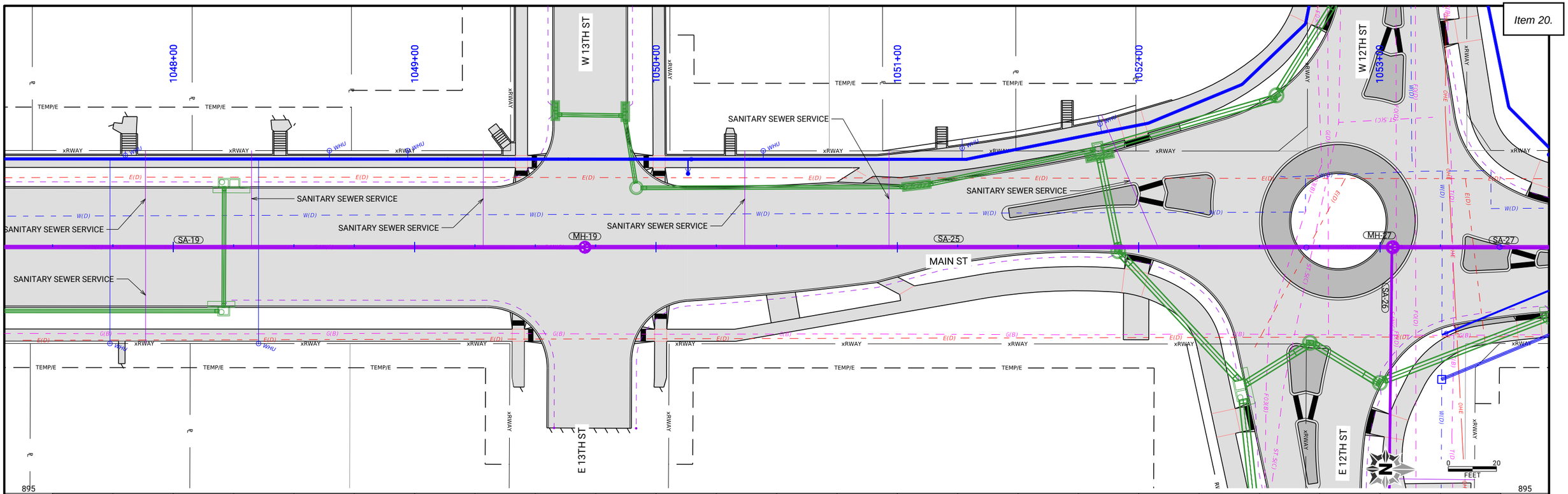

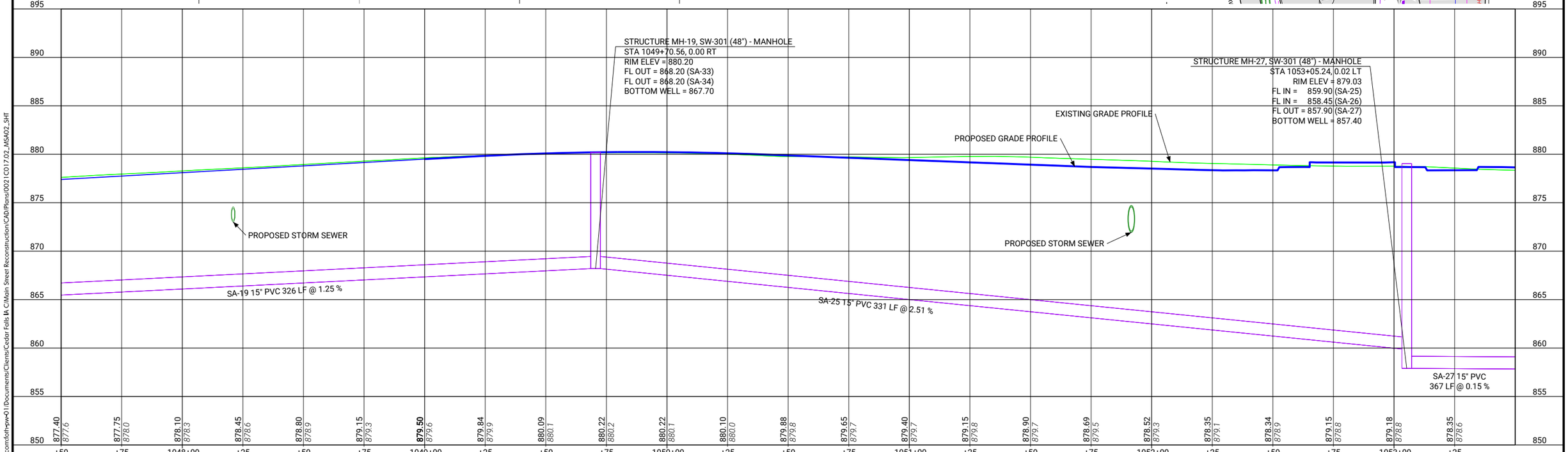

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
SANITARY SEWER SHEETS

SHEET NO.
MSA.10
STBG-SWAP-1185(657

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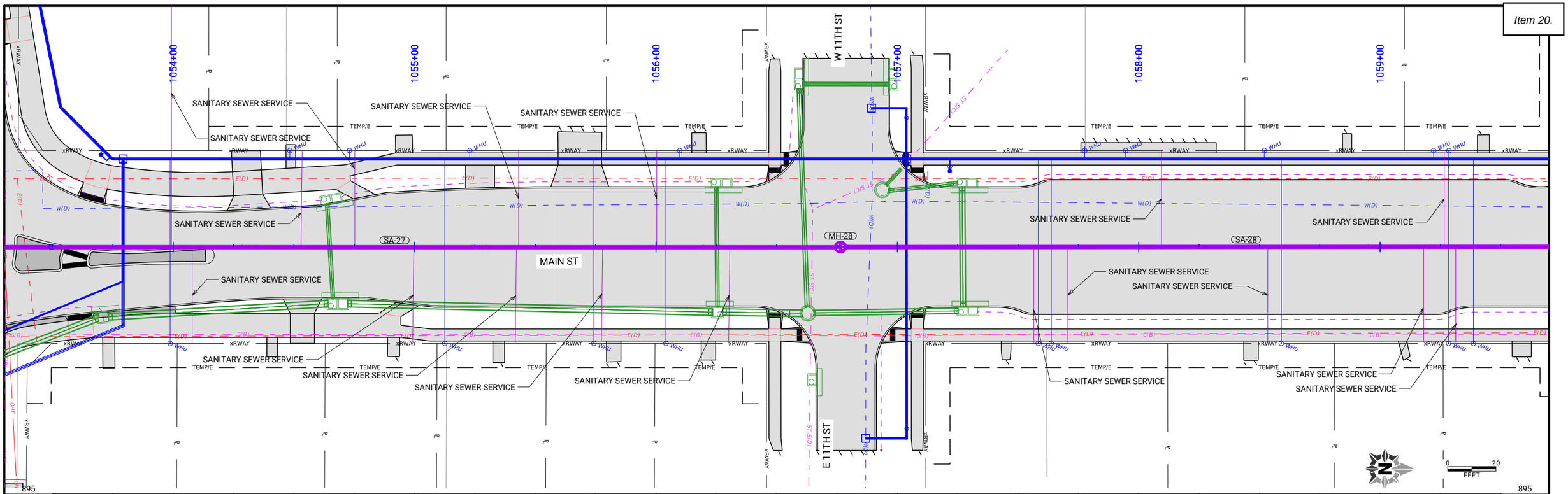

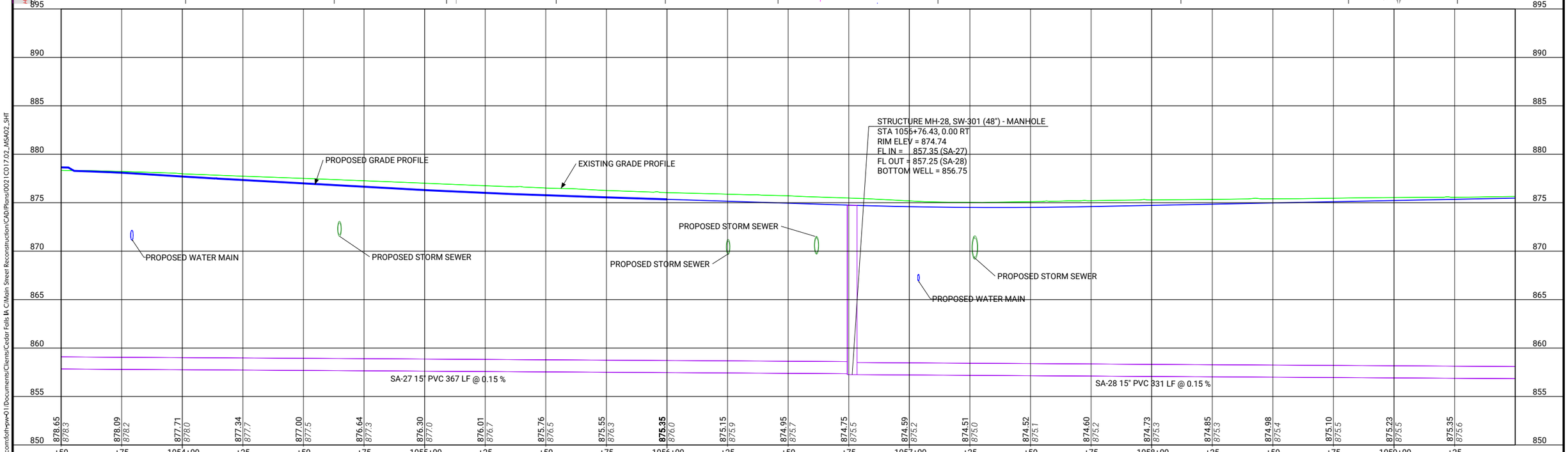

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
SANITARY SEWER SHEETS

SHEET NO.
MSA.11
STBG-SWAP-1185(657

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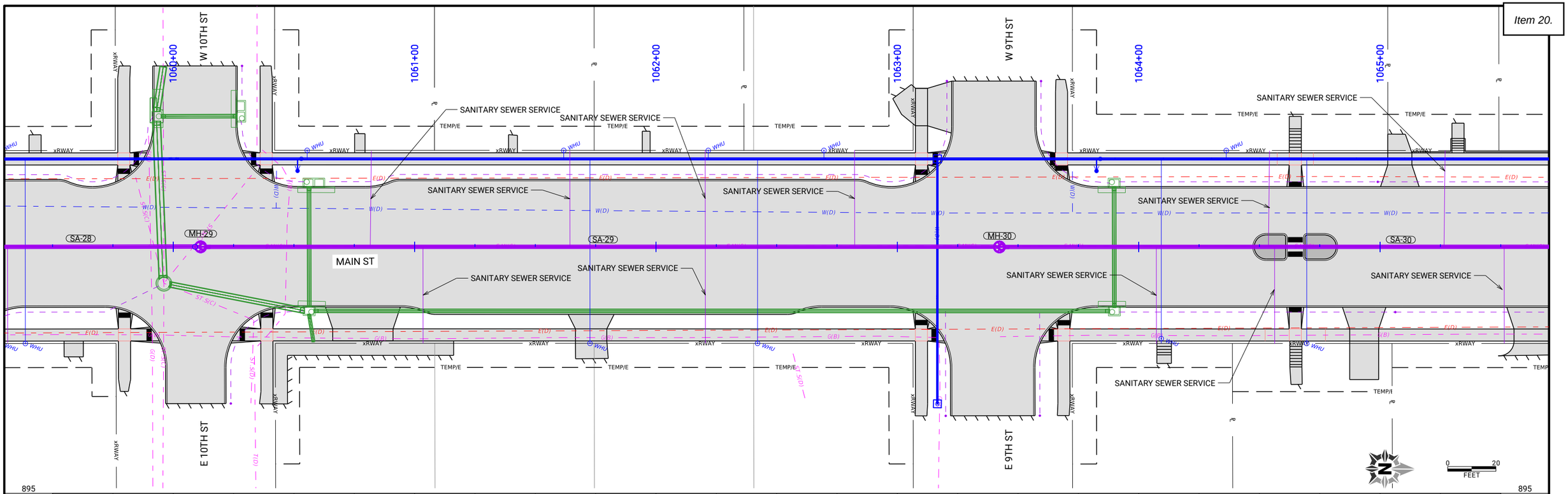

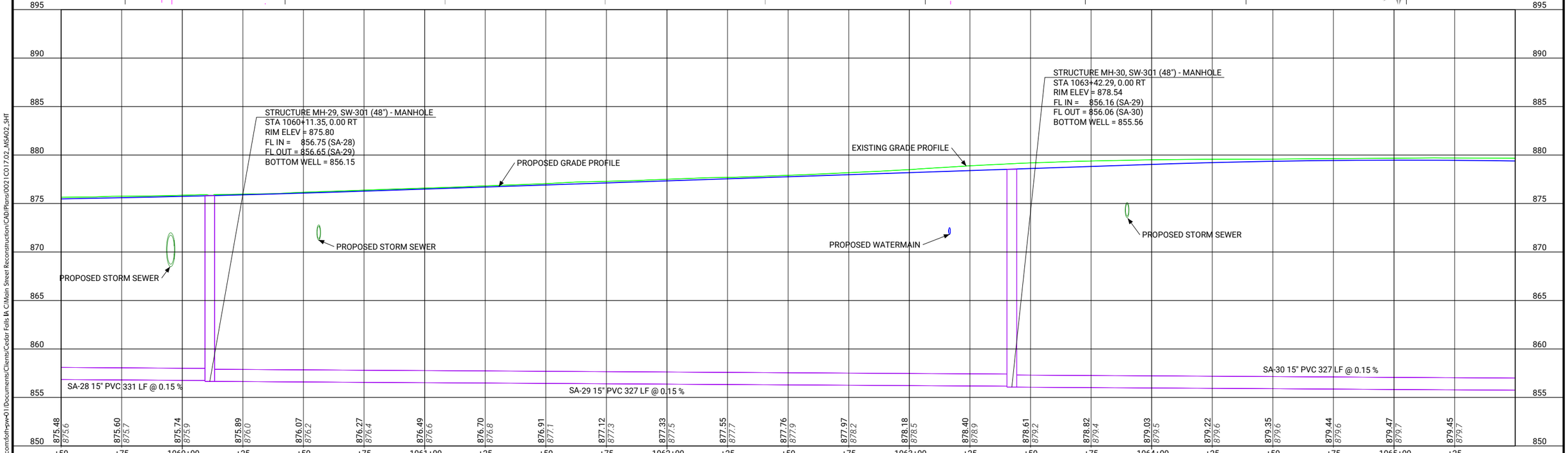

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
SANITARY SEWER SHEETS

SHEET NO.
MSA.12
STBG-SWAP-1185(657

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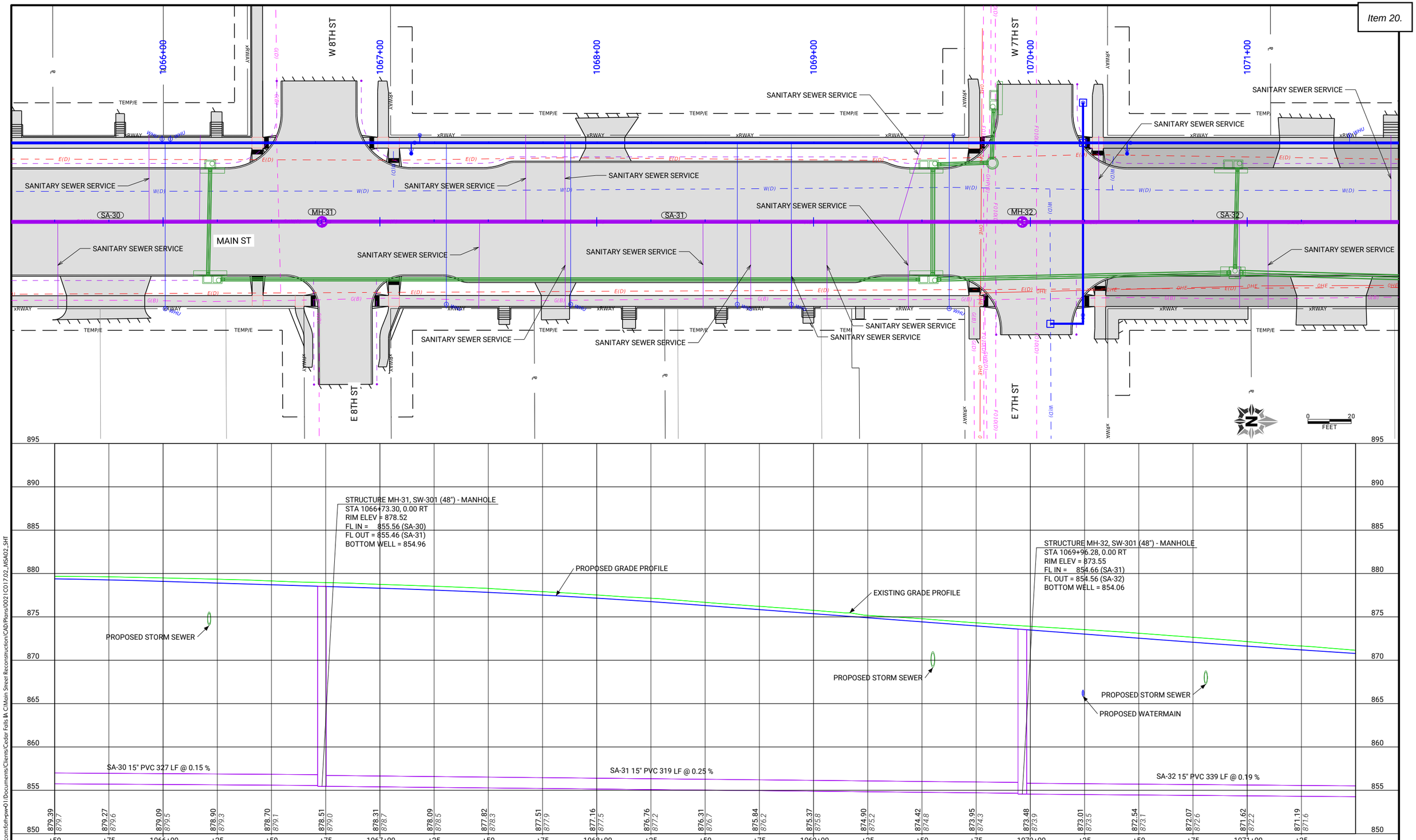

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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: K. WOLLNER CHECKED BY: M. FAHRER DRAWN BY: K. WOLLNER
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NO	DATE	BY	REVISION DESCRIPTION

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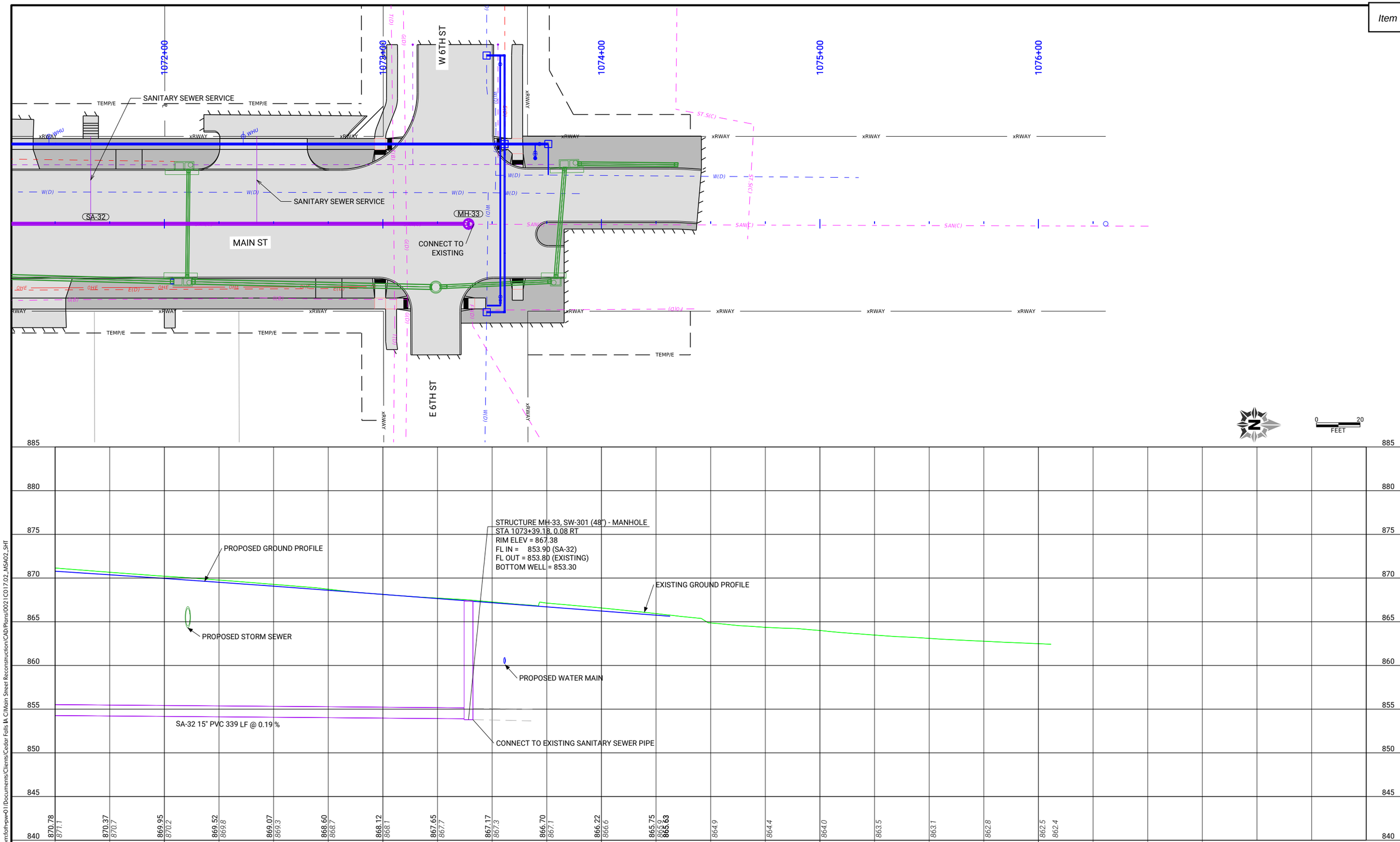
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
SANITARY SEWER SHEETS

SHEET NO.
MSA.13
STBG-SWAP-1185(657



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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
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NO	DATE	BY	REVISION DESCRIPTION

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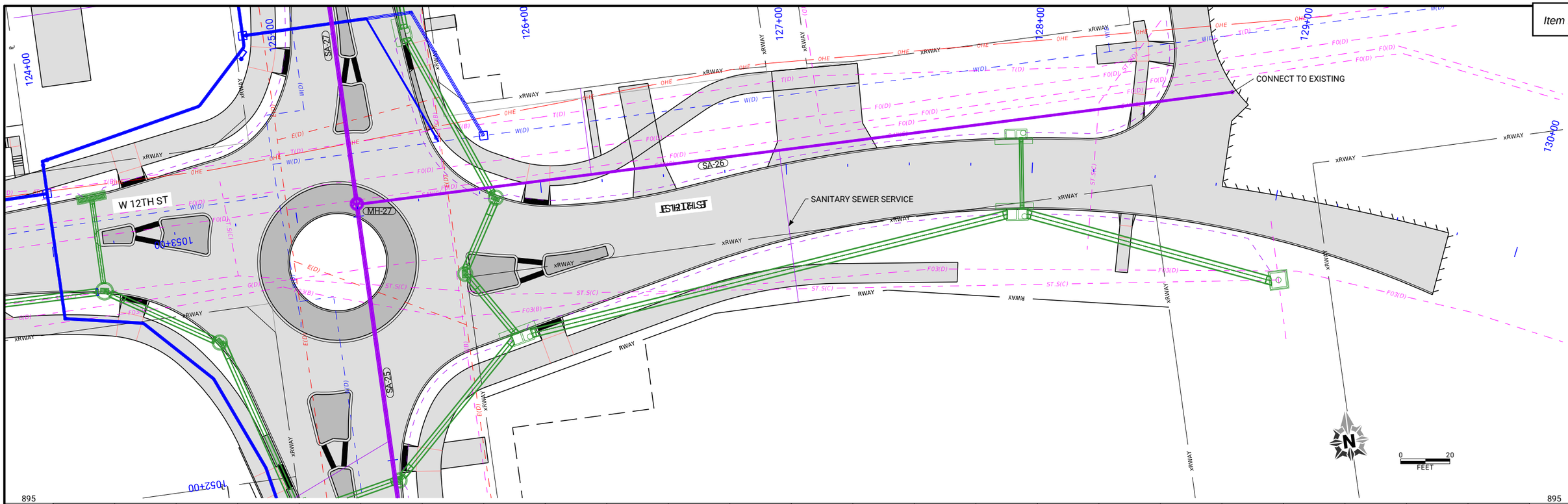
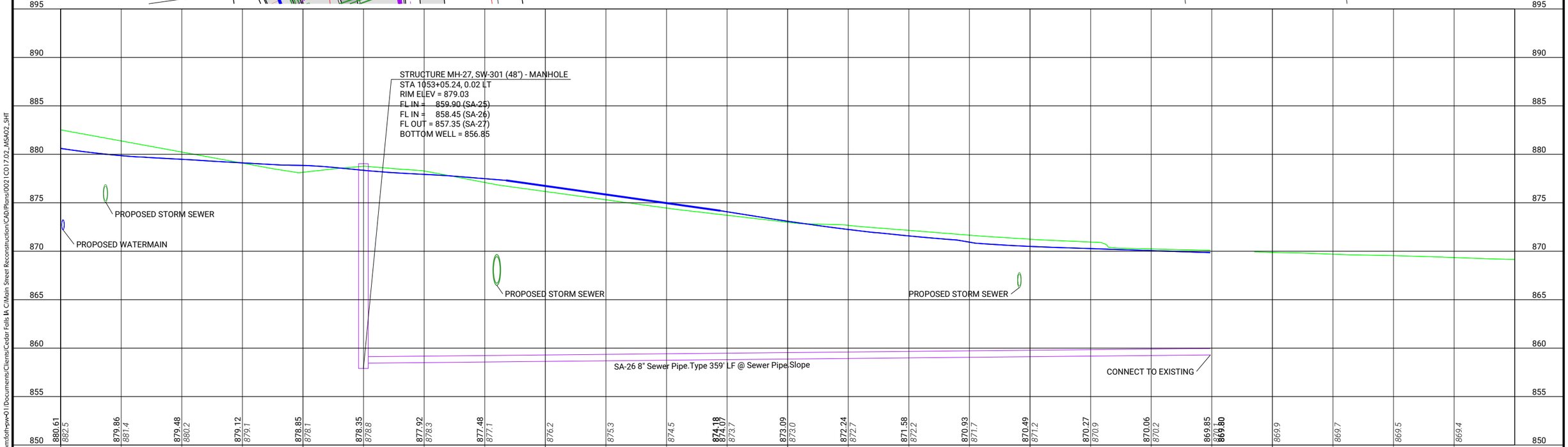
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
SANITARY SEWER SHEETS

SHEET NO.
MSA.14
STBG-SWAP-1185(657





CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
SANITARY SEWER SHEETS

SHEET NO.
MSA.15
STBG-SWAP-1185(657

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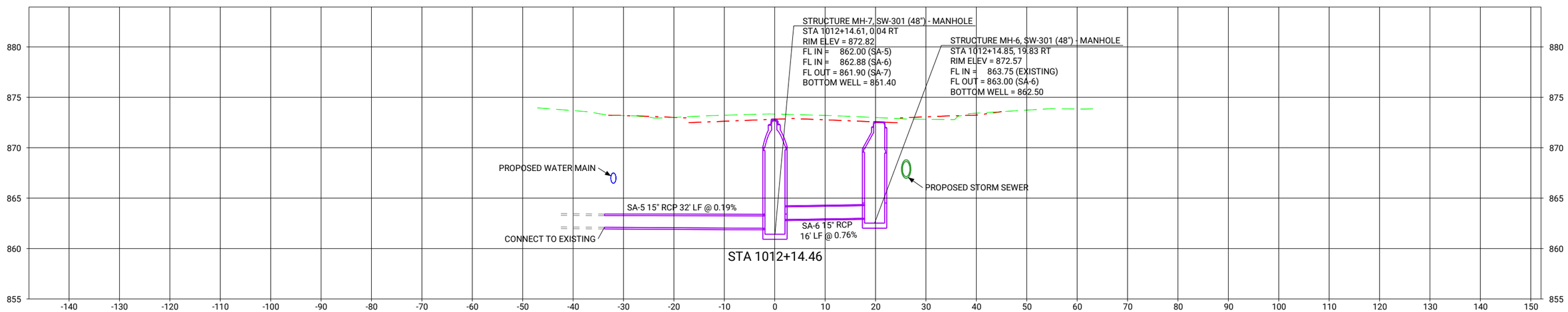

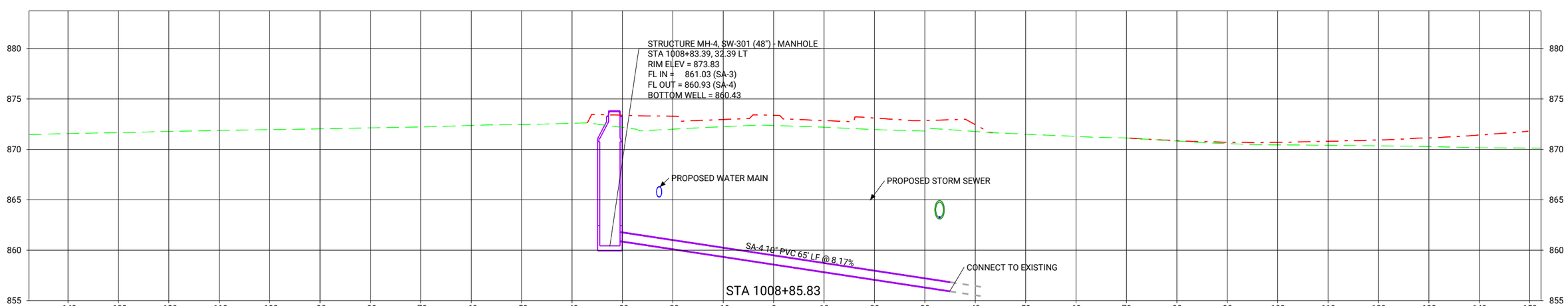

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
SANITARY SEWER SHEETS

SHEET NO.
MSA.16
STBG-SWAP-1185(657

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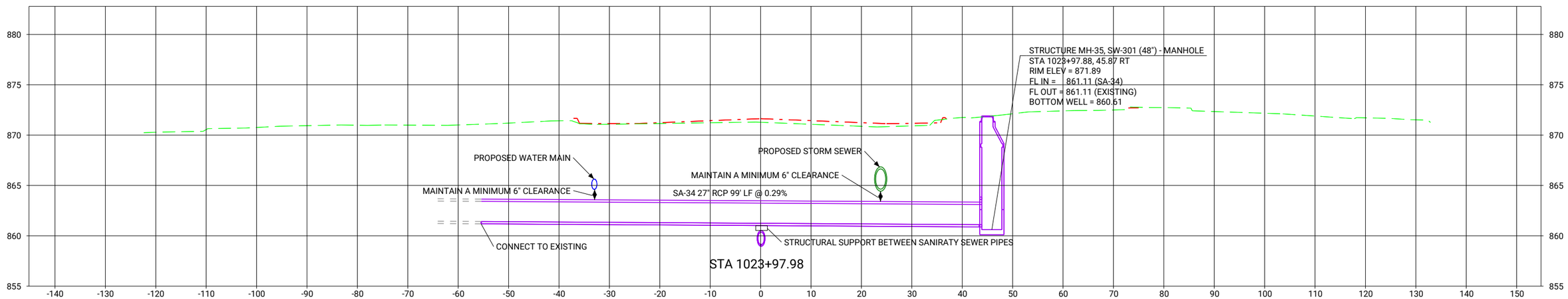

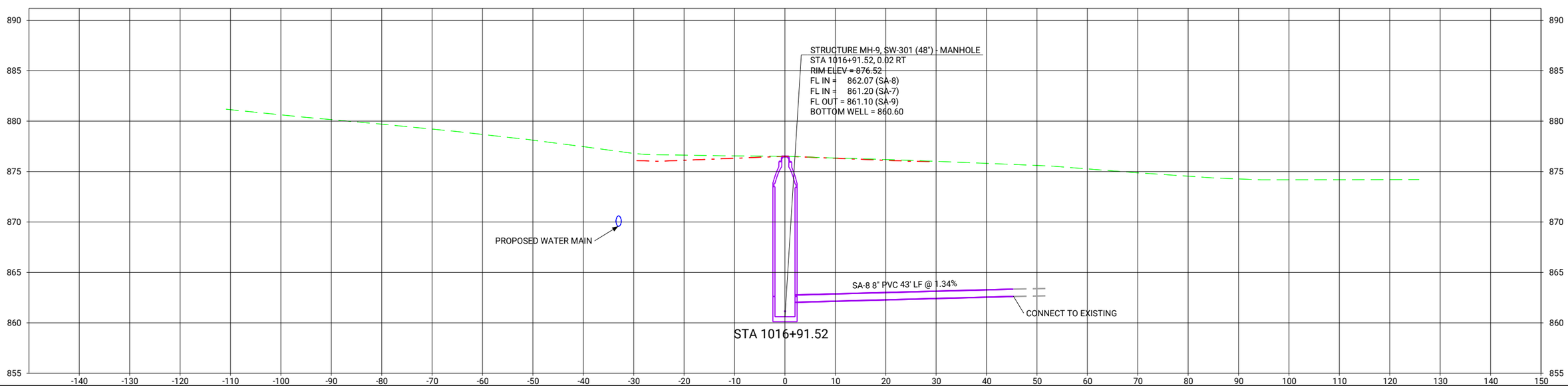

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
SANITARY SEWER SHEETS

SHEET NO.
MSA.17

STBG-SWAP-1185(657

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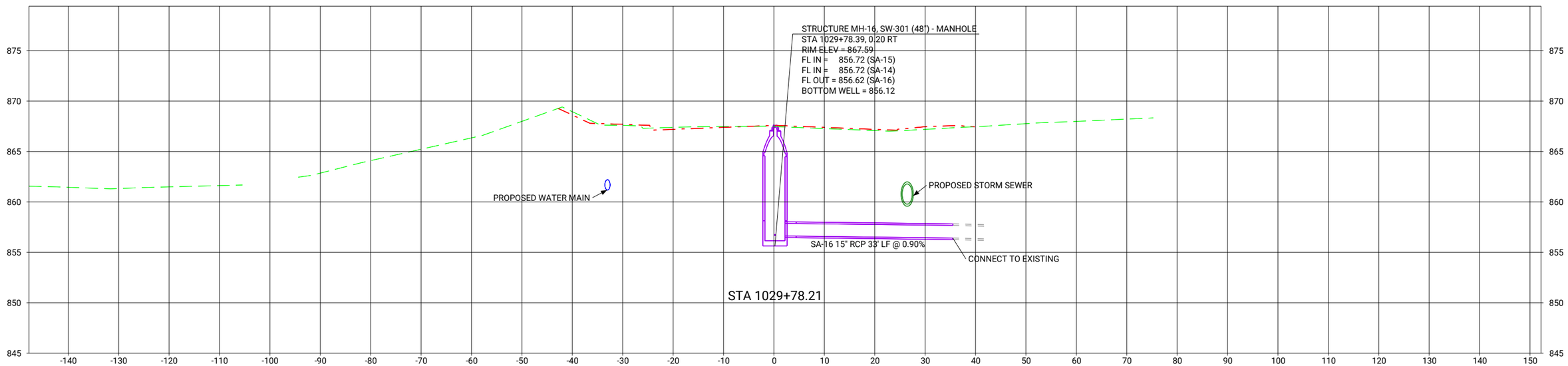

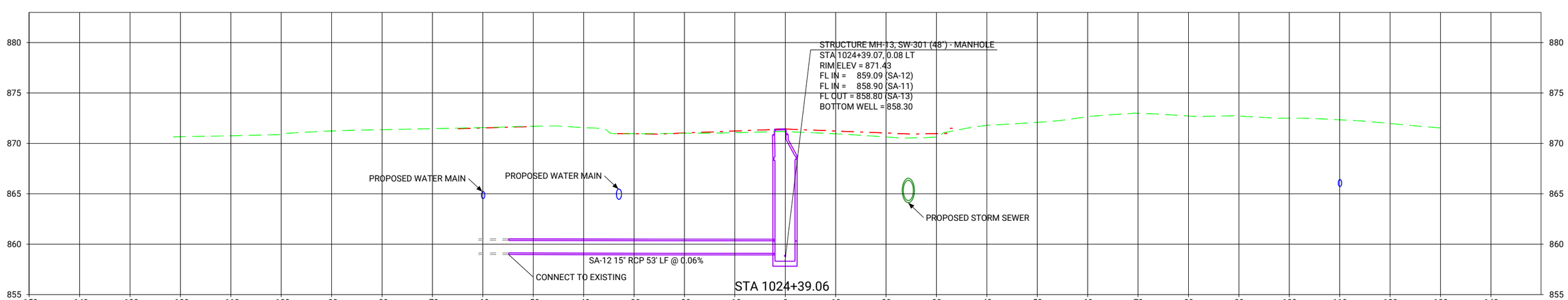

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UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
SANITARY SEWER SHEETS

SHEET NO.
MSA.18
STBG-SWAP-1185(657

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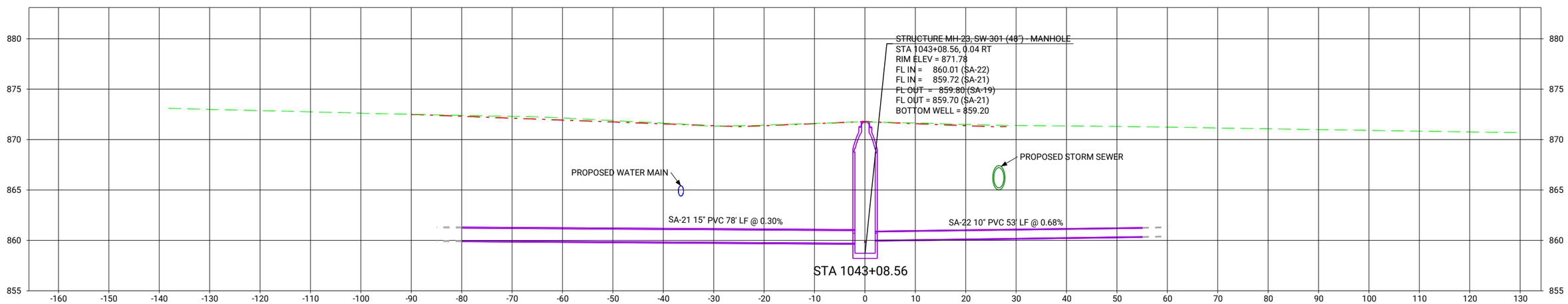

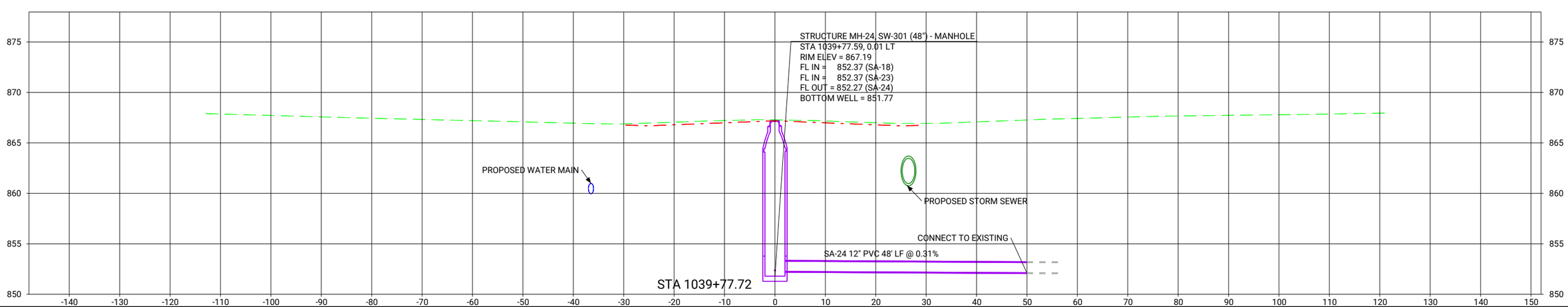

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
SANITARY SEWER SHEETS

SHEET NO.
MSA.19
STBG-SWAP-1185(657

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GENERAL NOTES

1. Contractor shall comply with the requirements of the 2015 edition of the Iowa DOT Standard Specifications for Highway and Bridge Construction. The notes and details contained herein are intended to complement the Iowa DOT specifications. To the extent of any conflict between Standards, the most stringent standard shall prevail.
2. Material unloading, handling, and storage
   a. All materials shall be unloaded, handled and stored in accordance with ANSI/AWWA C600, Section 6.1, current revision, and materials manufacturer's instructions.
   b. All pipe, fittings, valves, hydrants, and accessories shall be loaded and unloaded by lifting with lift hoists or skidding in order to avoid shock or damage. Under no circumstances shall this material be dropped. Pipe handled on skidways shall not be rolled or skidded against other pipe.
   c. Unloading of materials shall be done by lifting with a fork truck, a crane, or other suitable lifting device. Pipe shall never be rolled off the truck. When pipe is being unloaded one at a time, or in single layers, the restraining bands or straps shall be removed only from the layer being unloaded.
   d. Slings, hooks, or pipe tongs shall be padded, and the padding shall be used to prevent damage to the exterior surface or internal lining of the pipe, fitting, or related product.
   e. If stored, materials shall be kept safe from damage. The interior of all pipe, fittings, and other appurtenances shall be kept from dirt or foreign matter at all times.
3. The distance from the top of pipe to the final ground surface shall be a minimum of 5'-6".
4. Trench Construction: Unless otherwise noted in the contract documents, the laying conditions for the pipe and fittings shall be type 2 which is a flat bottom trench of undisturbed earth and backfilled lightly consolidated to centerline of pipe. The trench shall be excavated to the required alignment, depth, and width specified or shown in the contract documents and shall conform to all federal, state, and local regulations for the protection of the workers. Discharge from trench dewatering pumps shall be directed away from the trench to prevent trench instability and shall be in accordance with federal, state and local point- discharge requirements. Excavated material shall be placed in a manner that will not obstruct the work nor endanger workers or the public nor obstruct sidewalks, driveways, roadways, or other structures. Excavated material shall be placed in compliance with federal, state and local regulations. Pavement and road surfaces shall be removed as part of the trench excavation. The amount removed shall depend on the width of trench required for the installation of the pipe and the dimensions of the area into which valves, hydrants, and other structures will be installed. The dimensions for pavement removed shall not exceed the dimension of the opening required for the installation by more than 6 inches (6") in any direction, unless otherwise stipulated in the contract documents. Sawing shall be used to ensure the breakage of pavement along straight lines. The width of the trench at the top of the pipe shall equal the single-pass capabilities of normally available equipment. The width shall permit the pipe to be laid and joined properly and to allow the backfill to be placed in accordance with the contract documents. Trench widths shown may be used as a guideline.

Nominal Pipe Size	Trench Width
3"and 4"	28"
6"	30"
8"	32"
10"	34"
12"	36"
16"	40"
20"	44"

When required, trenches shall be wider to permit the placement of supports, sheeting, bracing, and appurtenances as required by the safety requirements. Holes for the bells shall be provided at each end joint, and they shall be no larger than necessary to allow joint assembly and to ensure that the pipe barrel will lie flat on the trench bottom. The trench bottom shall be true and even to provide support the full length of the pipe barrel. If the trench passes over a previous excavation, the trench bottom shall be sufficiently compacted to provide support equal to that of the native soil in a manner that will prevent damage to the existing installation. Excavation of the trench shall be in conformance with ANSI/AWWA Standard C600, Section 4.3, current revision. Not more than two hundred lineal feet (200') of trench shall be dug in advance of the completed pipe installation operation.

WATER MAIN, TRENCHED, DIP

1. All pipe shall be marked with: name or manufacturer, date pipe was produced, size, class and spigot insertion depth gauge.
2. Mechanical joint restrained gaskets shall have a rated working pressure of 350 psi
3. All t-head bolts and nuts shall be Cor-Blue or stainless steel T-Bolts and Nuts manufactured in conformance with ANSI/AWWA C111/A21.11, current revision and be corrosion resistant, or an approved equal.
4. Tracer wire is required for all water main. Tracer wire shall be No.12 insulated solid copper single strand, coating type of high molecular weight polyethylene (HMWPE) and buried along water mains and services. Splices or junctions in tracer wire shall be made with split-bolt and wrapped with waterproof dielectric wrap.
5. Tracer wire test stations shall be installed at all hydrants and any other location identified in the plans. The test stations shall be Little Fink®Cathodic Protection Test Station, Trace-O-Flex by Carsonite, Snake Pit XL Duty Rhino Triview or approved equal.
6. Nitrile gaskets are required in areas noted in the plans.

DUCTILE IRON FITTINGS

1. Fittings shall be mechanical joint type, ductile iron, rated for 350 psi working pressure and shall conform to ANSI/AWWA C110/A21.10, latest revision, with the joints conforming to ANSI/AWWA C111/A21.11, latest revision, with the bolt holes bored straddle vertical centerline. Fittings shall receive an exterior asphaltic coating. Fittings, except sleeves, plugs, and caps, shall receive cement mortar linings with petroleum asphaltic coat conforming to ANSI/AWWA C104/A21.4, latest revision.
2. Cast markings shall be: pressure rating, nominal diameter, manufacturer's identification, country where cast, the letters "DI"or the word "Ductile, and degrees or fraction of bends.
3. All fittings shall be furnished complete with accessories and corrosion resistant bolts.

WATER SERVICE STUBS

1. Connection of tap service lines to the water main shall be made with the tap being at an angle of not more than 22 degrees from the horizontal (the ten o'clock or two o'clock position). A double wrap of Teflon tape shall be placed on the corporation stop threads prior to installation on the main. On cast iron or ductile iron pipe, when water service taps are required close to each other, the taps shall be staggered around the circumference of the pipe a minimum of 12 inches apart, measured horizontally, and not in a straight line. Stainless steel double strap service saddle is required on all water mains that are Thickness Class 51 or thinner. Water mains that are 12 inch in diameter or larger, or that are Class 52 pipe may be direct tapped. Water taps larger than 1 inch on water main less than 12 inches in diameter shall be completed using a service saddle.
2. On ductile iron and cast iron mains, all corporations shall be AWWA tapered thread x flared or compression type connections unless otherwise noted in the contract documents.
3. Water service connections of 3 inches or larger inside diameter shall be by tapping in sleeve or by removal of a section of pipe and the installation of a mechanical joint tee. Water service pipe of less than 3 inches in inside diameter shall conform to the requirements of ASTM B 88 for Seamless Copper Water Tube, Type K, soft annealed copper pipe.
4. Service saddles shall conform to AWWA C800. The body shall be constructed with stainless steel. Services saddles shall be supplied in two sections and have a double strap. Straps shall be constructed with forged alloy steel. O-ring gaskets shall be made of nitrile. Outlet threads shall be AWWA taper (C.C.). Maximum working pressure shall be at least 200 PSI.

GATE VALVES AND VALVE BOXES

1. Gate Valves: Resilient-seated gate valves shall have a fusion-bonded powder epoxy coating both interior and exterior that conforms to AWWA C550 and be NSF 61 approved, and shall be manufactured in accordance with ANSI/AWWA C515, latest revision, and shall be designed for 200 psig water working pressure for 12"NPS and smaller and 150 psig water working pressure for 16"NPS and larger. Valves shall be suitable for approximately level settings on buried water distribution pipe lines. Valves shall have mechanical joint ends and a clear water way equal to the full nominal diameter of the valve. Drawing descriptions shall have precedence over this section.
2. Valves shall open left (counter-clockwise) with a two inch (2") operating nut as approved by Cedar Falls Municipal Water Utility.
3. Valves shall be marked with manufacturer's identification, class (maximum working water pressure), size and year of manufacture.
4. Valve Boxes: Cast iron valve boxes shall be Tyler 6860, Item D with No. 6 round base; or Tyler 6850 or East Jordan Iron Works 8550 Series, two-piece screw type, Sigma two-piece screw type or approved equal. Valve box adapters shall be installed with each valve to provide a seal between the valve box and the valve bonnet., Item 666-S with Adaptor Inc., Valve Box Adaptor II (type is dependent on manufacturer and size of valve) or approved equal. Plastic 5 ¼"DIA. valve box shall be Armor™ Access Boxes No.111140-03 with plastic No. 6 base. Plastic valve boxes shall only be used with polyethylene water valves.
5. Valve Inspection
   a. Inspection of the valves to verify they are in working order and meet specifications should be conducted after being unloaded.
   b. Valves 12" and larger should be cycled through one complete opening and closing cycle in the position in which they are to be installed. This process will confirm:
      i. Ease of operation
      ii. Complete travel of the shutoff mechanism direction
      iii. Correct direction of opening
      iv. Required number of turns
   c. The initial inspection also should verify compliance with specifications, including the following:
      i. Size and Pressure Class
      ii. Direction of opening
      iii. Size and shape of operation nut
      iv. Number of turns to open and close
      v. Type of end connections
   d. Inspection should also include test for shipping damage such as:
      i. Scoring of the seated surfaces
      ii. Bent stems
      iii. Cracked parts
      iv. Missing parts or accessories
      v. Missing lubrication on the exterior actuator
   e. All materials shall be inspected by Cedar Falls Municipal Water Utility prior to installation, complying with ANSI/AWWA Standard C600, Section 5.1, current revision. All rejected materials shall be promptly removed from the site.

FIRE HYDRANTS

1. Fire hydrants shall be dry-barrel, traffic model type conforming to Specification ANSI/AWWA C502, latest revision. Hydrants shall have a minimum main valve opening of 5 ¼", 6' bury, three ports, aluminum color, mechanical joint, 1 ½"point to flat National Standard pentagon tapered operating nut, open counter clockwise against pressure, pumper thread 4 ½"National Standard, 5 ¾" O.D. with four threads per inch; two 2 ½"hose ports with thread 3 3/16"O.D. six threads per inch. Hydrants shall be marked with manufacturer's identification, size of main valve opening and year of manufacture.
2. Approved fire hydrants are the Mueller Centurion 250 #A423, Waterous Pacer (#WB-67) DR, and Clow Medallion or approved equal.
3. The hydrant bonnet, weather shield and operating nut shall be coated according to the following marking scheme:

Flow (gpm at 20psi)	Color
Greater than 1000	Green (Sherwin Williams #SW4071)
500-1000	Yellow
Less than 500	Red

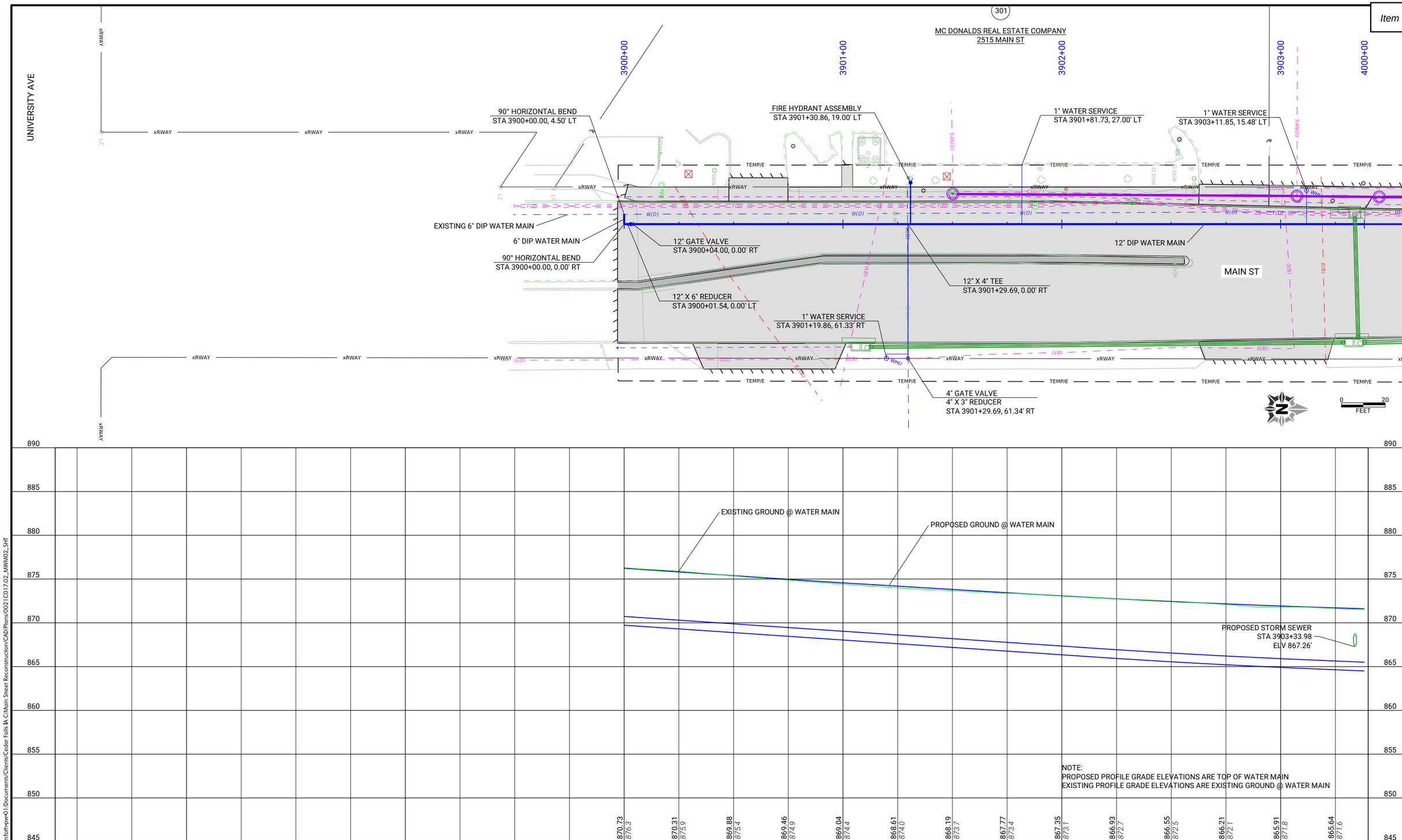
4. The hydrant bonnet shall be coated with a one of the following:
   a. Mueller Centurion: Polane SP Polyurethane Enamel
   b. Waterous Pacer: Polyurethane Enamel
   c. Clow Medallion: Triglycidyl Isocyanurate (TGIC)
5. Hydrant Inspection
   a. Hydrants should be inspected at the time of delivery to verify compliance with specifications and to check for damage during shipment.
   b. The hydrant should be cycled to full open and full closed positions to ensure that no internal damage or breakage has occurred during shipment and handling. All external bolts should be checked for tightness.
   c. Specifications:
      i. Size and shape of operating nut
      ii. Direction to open
      iii. Depth of bury
      iv. Size and type of inlet connection
      v. Size of main valve
      vi. Outlet nozzle sizes and configuration
      vii. Nozzle threads are to Cedar Falls Municipal Water Utility standards
   d. Storage: The fire hydrant valve should be closed and the outlet nozzle caps replaced to prevent entry of foreign matter. Hydrants should be stored with the inlets facing down. Whenever possible, hydrants in storage should be protected from weather and the elements.

MATERIALS TEST AND INSPECTIONS REPORT

A manufacturer's sworn statement verifying that all required foundry tests were completed
for all materials must be provided upon request.

DISINFECTION

Disinfection of water main shall be in accordance with AWWA Standard C651. The application of calcium hypochlorite shall be applied in granular form at a rate required to produce a minimum concentration of 25 mg/L of free chlorine for a 24-hour period. The hypochlorite shall be applied to each length of pipe. The water will be tested for chlorine residual after the 24-hour period. Additional chlorine will be added at hydrant locations if 10 mg/L of free chlorine is not remaining after the 24-hour period. After a minimum of 24 hours the water will be retested. This procedure will be repeated until the desired chlorine residual is present. After the 24-hour retention period, the heavily chlorinated water shall be flushed from the main until the chlorine concentration in the water leaving the main is no higher than that generally prevailing in the system. The new system should be flushed as soon as possible because prolonged exposure to high concentrations of chlorine might damage the asphaltic seal coating. If there is any possibility that the heavily chlorinated water discharge will cause damage to the environment, then a neutralizing chemical shall be applied to the water to be wasted to thoroughly neutralize the residual chlorine. Dechlorination shall be in conformance with ANSI/AWWA Standard C655. Two bacteriological samples will be collected by the Cedar Falls Municipal Water Utility or qualified contractor for testing. The two samples shall be taken 24 hours apart. Satisfactory results are requisite for authority to place the main into service. When disinfecting polyethylene pipe the solutions must not exceed 12% active chlorine.



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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
WATER MAIN PLAN AND PROFILE

SHEET NO.
MWM.2
STBG-SWAP-1185(657

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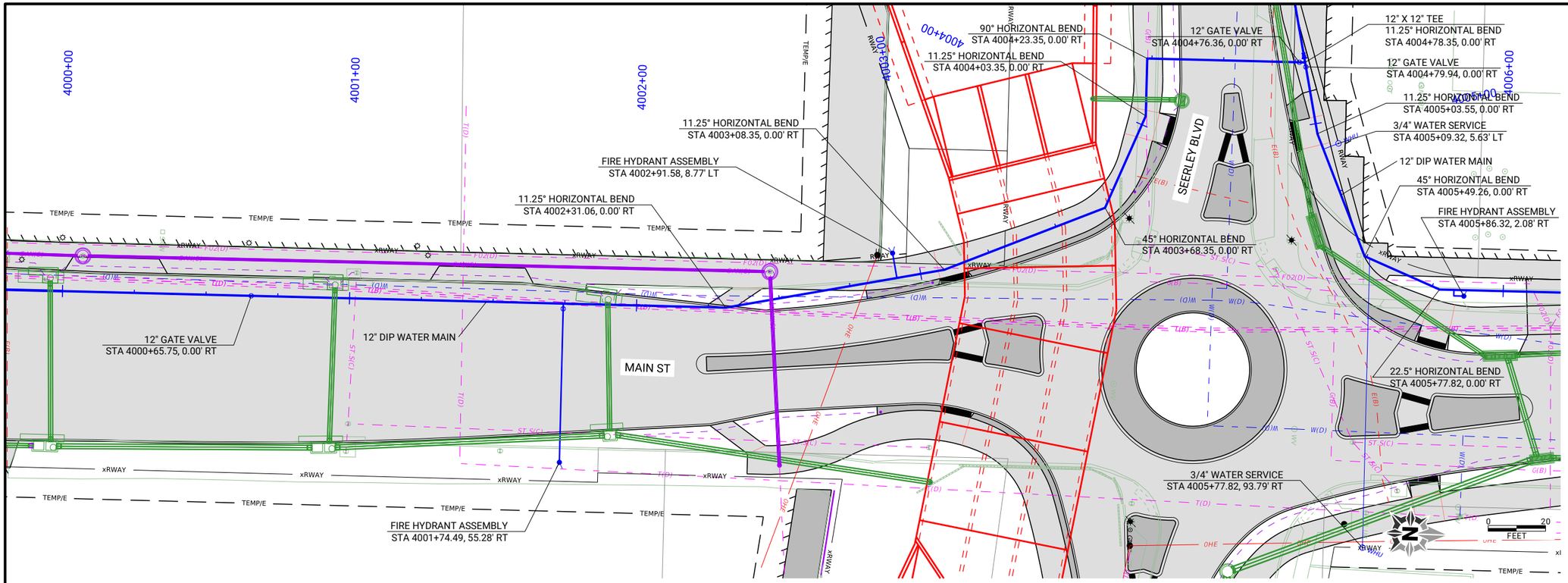

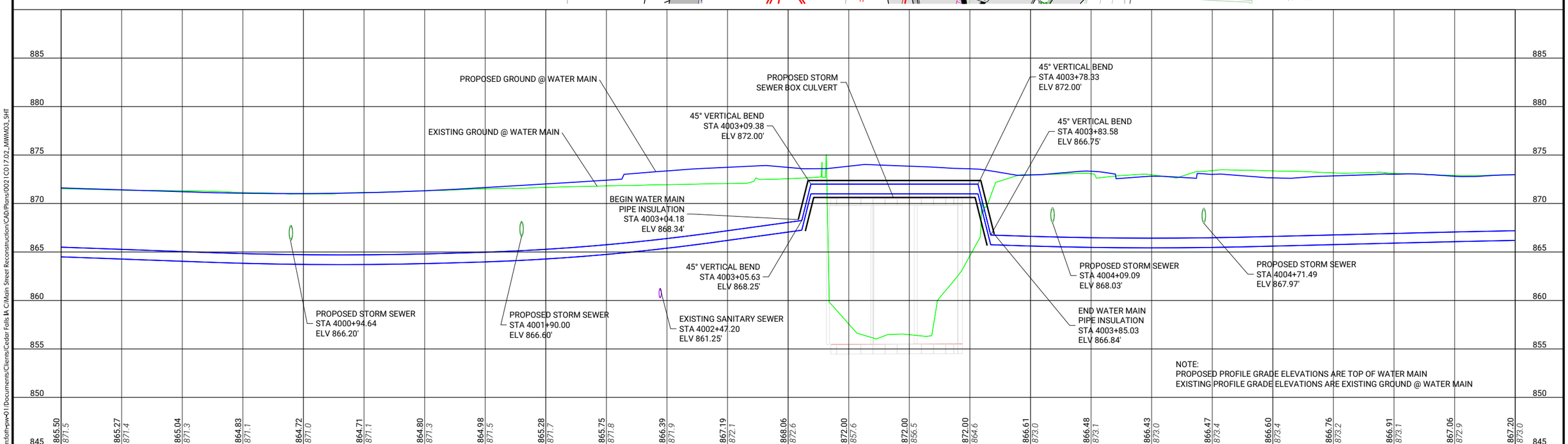

NOTE:
PROPOSED PROFILE GRADE ELEVATIONS ARE TOP OF WATER MAIN
EXISTING PROFILE GRADE ELEVATIONS ARE EXISTING GROUND @ WATER MAIN

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: M. FAHRER CHECKED BY: M. FAHRER DRAWN BY: K. WOLLNER
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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
WATER MAIN PLAN AND PROFILE

SHEET NO.
MWM.3
STBG-SWAP-1185(657

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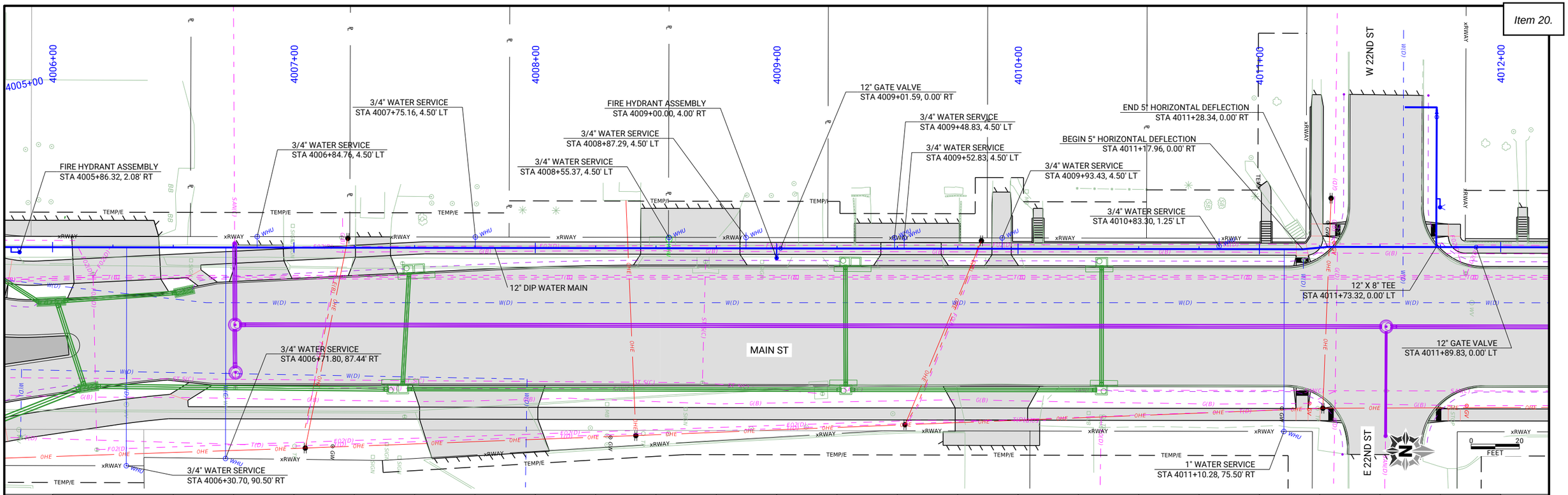

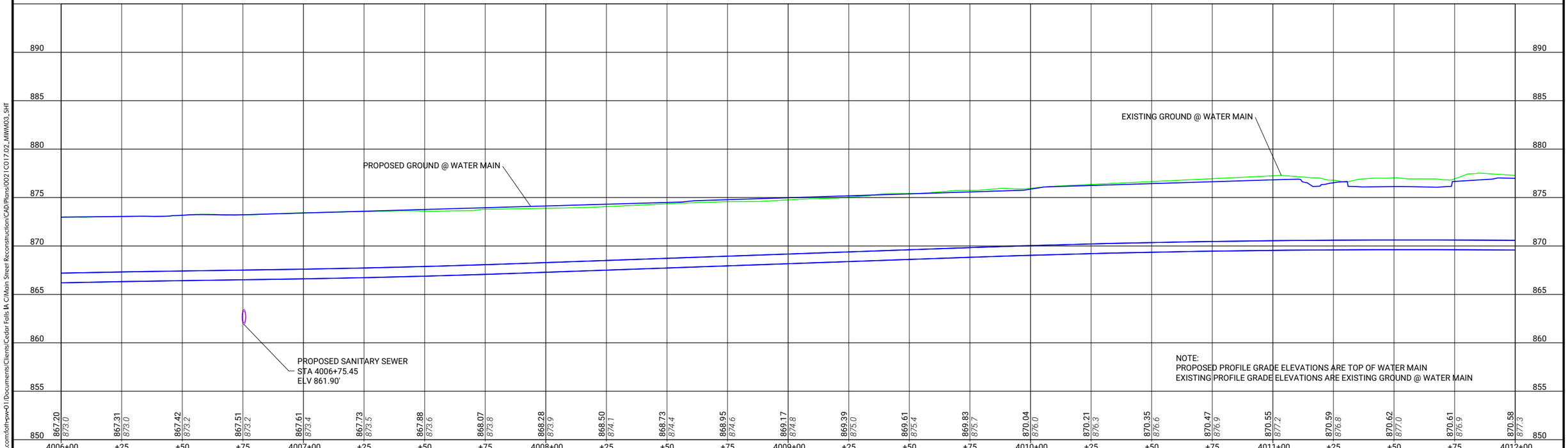

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
WATER MAIN PLAN AND PROFILE

SHEET NO.
MWM.4
STBG-SWAP-1185(657

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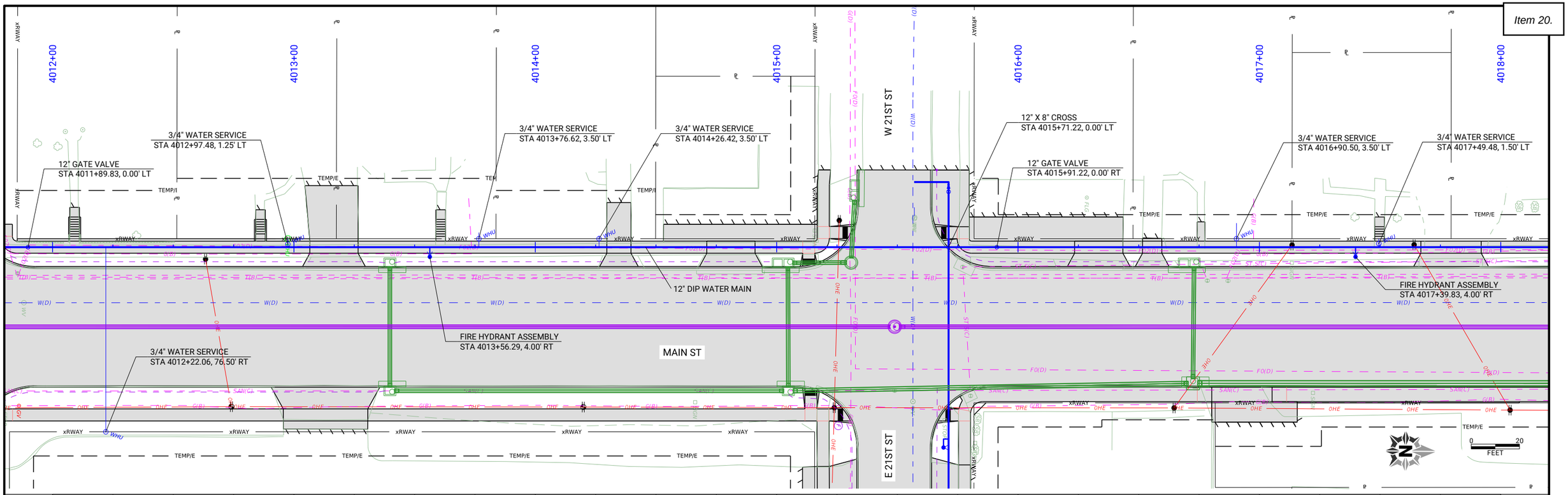

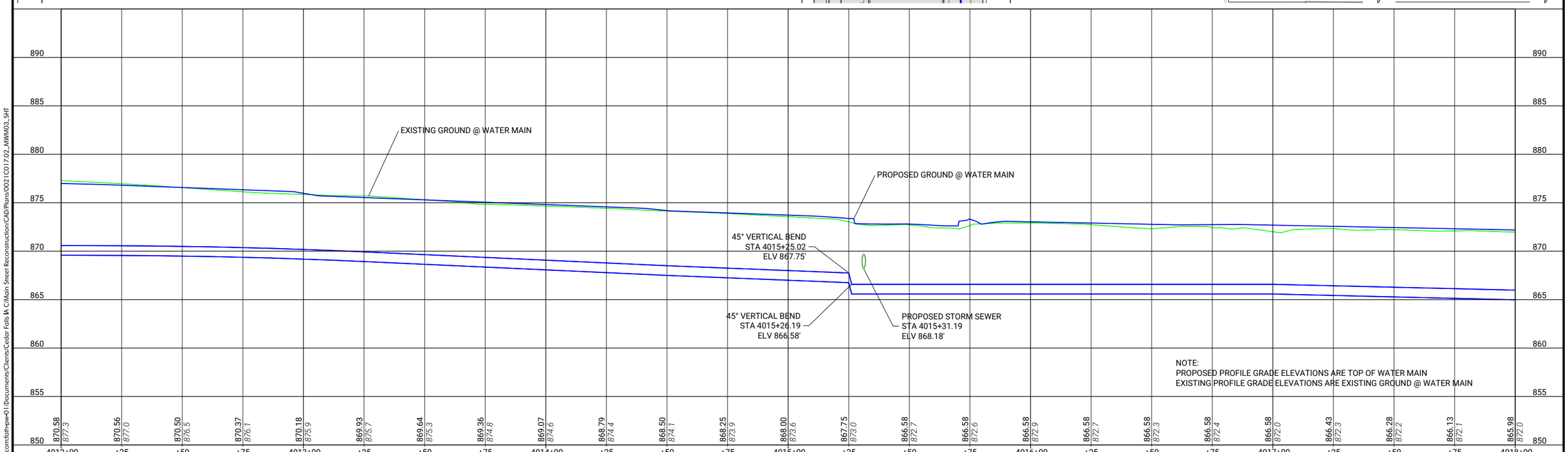

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
WATER MAIN PLAN AND PROFILE

SHEET NO.
MWM.5
STBG-SWAP-1185(657

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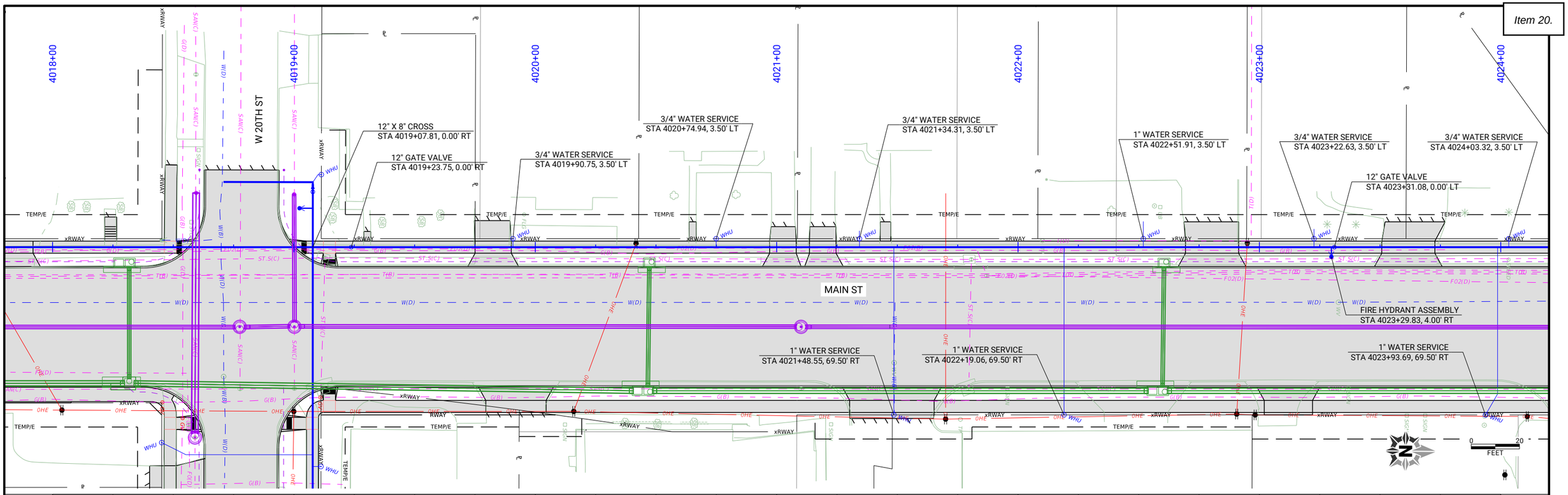

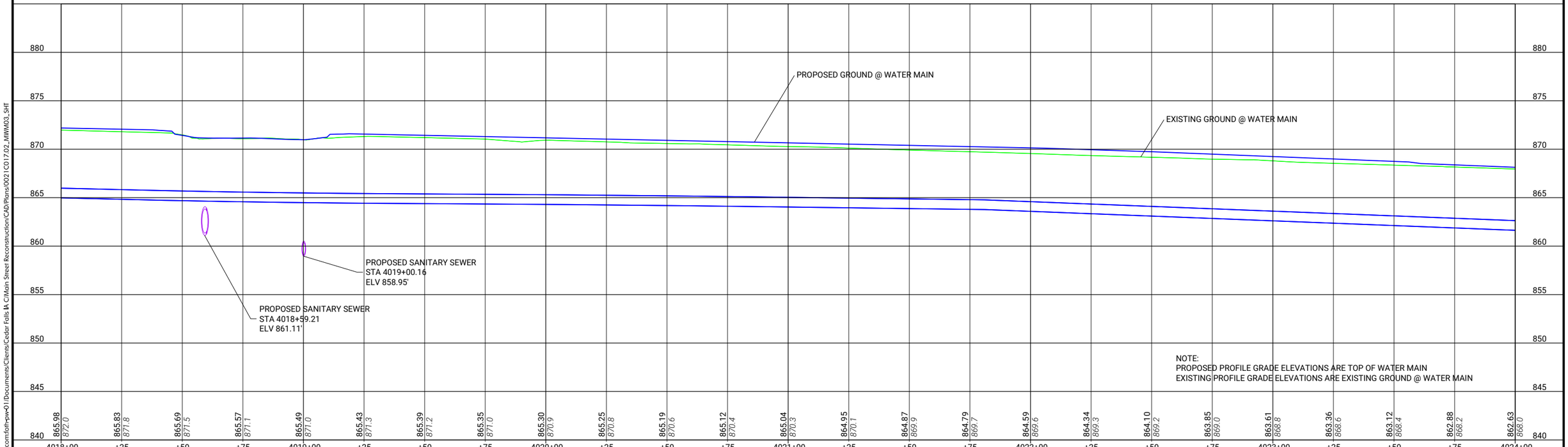

NOTE:
PROPOSED PROFILE GRADE ELEVATIONS ARE TOP OF WATER MAIN
EXISTING PROFILE GRADE ELEVATIONS ARE EXISTING GROUND @ WATER MAIN

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: M. FAHRER CHECKED BY: M. FAHRER DRAWN BY: K. WOLLNER
LETTING DATE: 11/15/2022 CAD DATE: 8/31/2022 4:19:30 PM
CAD FILE: c:\pw_workdir\pw_ie\mjf5\d0518375\0021C017.02_MWM03_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
WATER MAIN PLAN AND PROFILE

SHEET NO.
MWM.6
STBG-SWAP-1185(657

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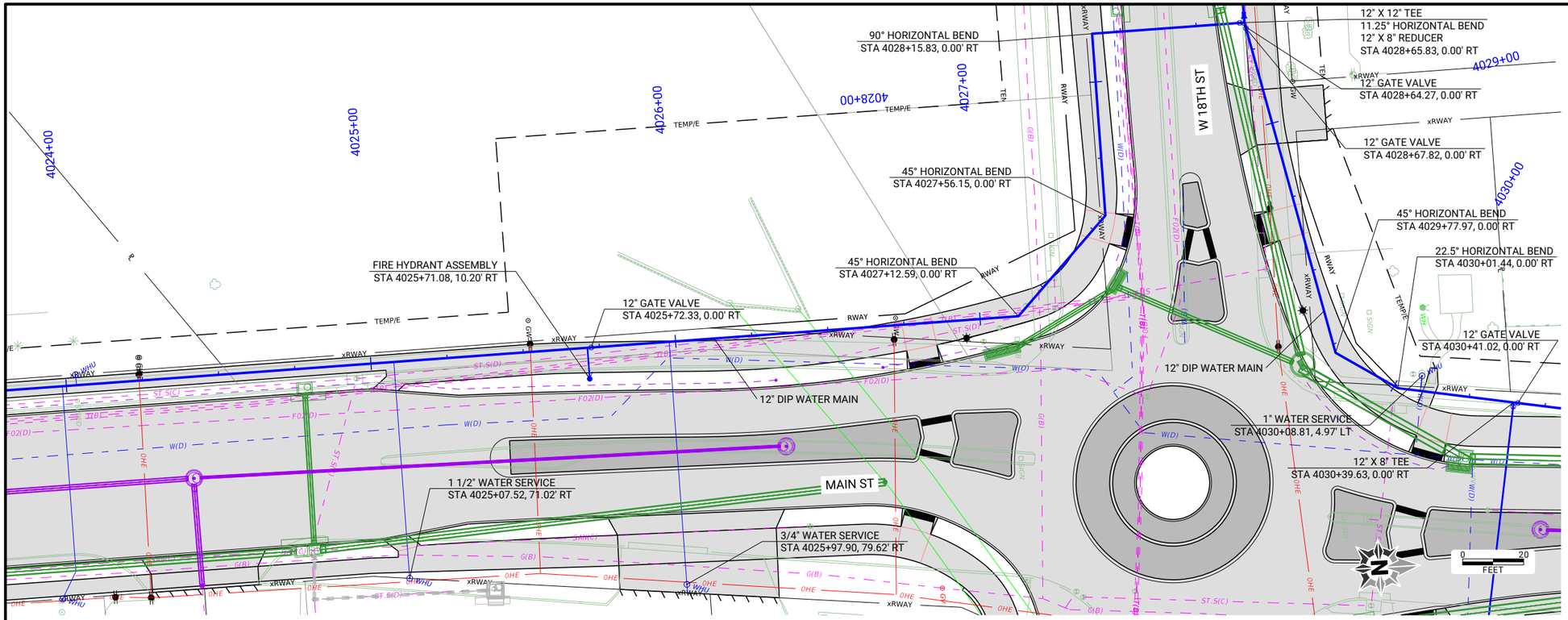

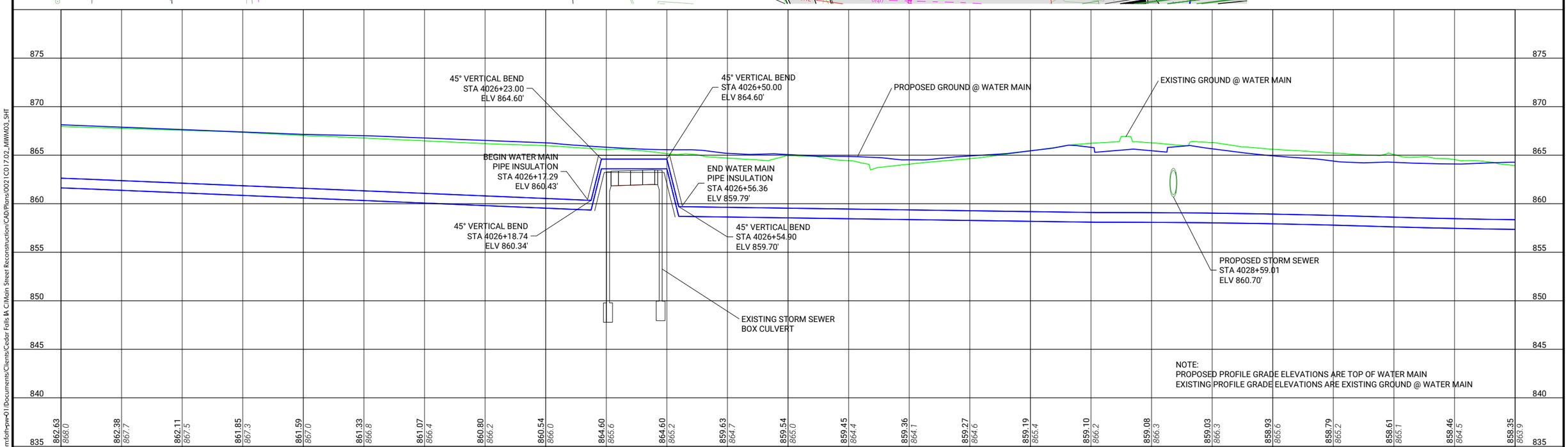

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
WATER MAIN PLAN AND PROFILE

SHEET NO.
MWM.7
STBG-SWAP-1185(657

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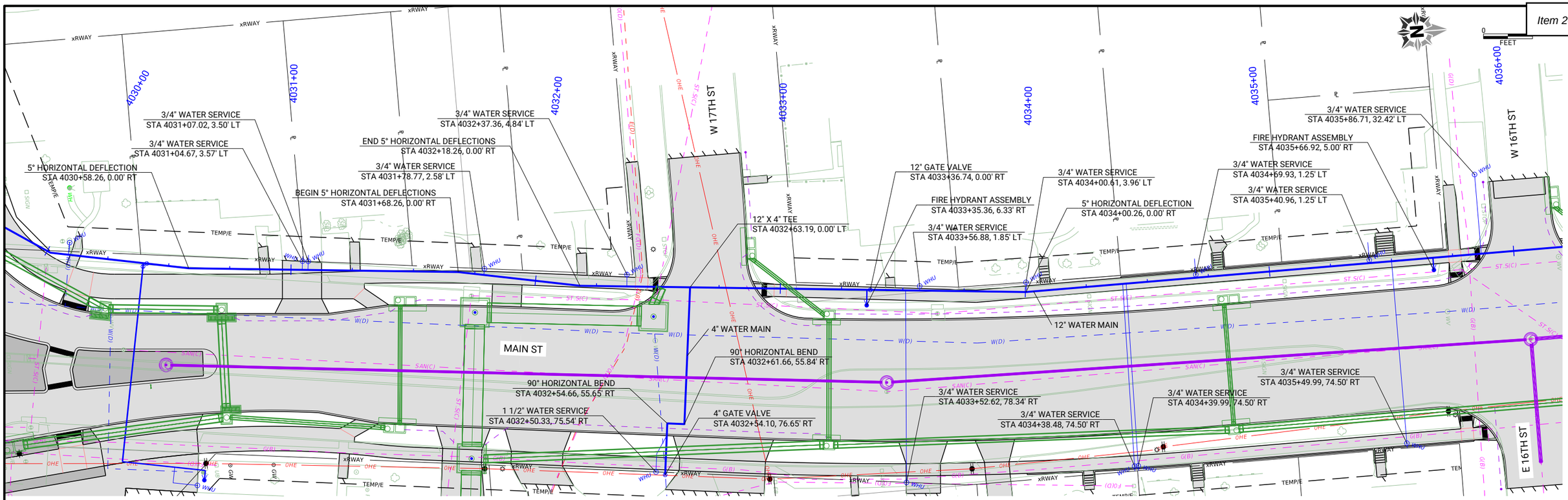

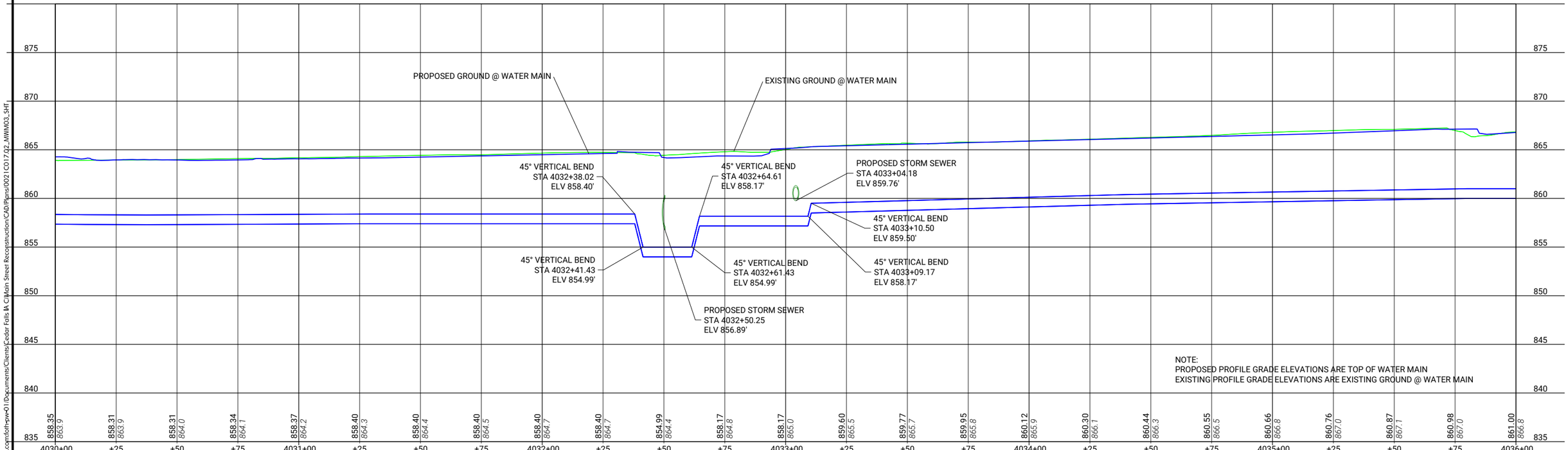

NOTE:
PROPOSED PROFILE GRADE ELEVATIONS ARE TOP OF WATER MAIN
EXISTING PROFILE GRADE ELEVATIONS ARE EXISTING GROUND @ WATER MAIN

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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: M. FAHRER CHECKED BY: M. FAHRER DRAWN BY: K. WOLLNER
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NO	DATE	BY	REVISION DESCRIPTION

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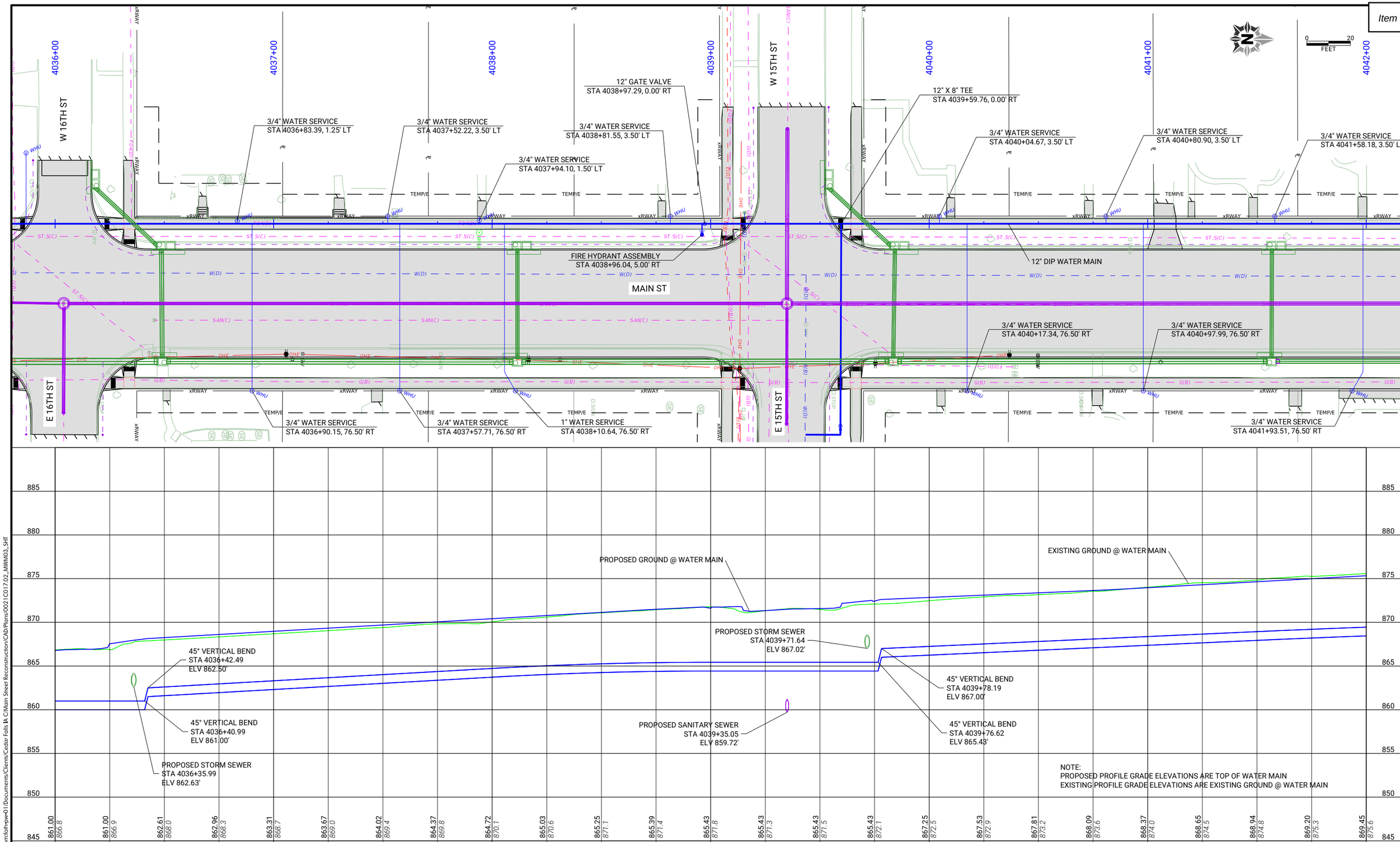
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
WATER MAIN PLAN AND PROFILE

SHEET NO.
MWM.8
STBG-SWAP-1185(657



CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: M. FAHRER CHECKED BY: M. FAHRER DRAWN BY: K. WOLLNER
LETTING DATE: 11/15/2022 CAD DATE: 8/31/2022 4:20:09 PM
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
WATER MAIN PLAN AND PROFILE

SHEET NO.
MWM.9
STBG-SWAP-1185(657

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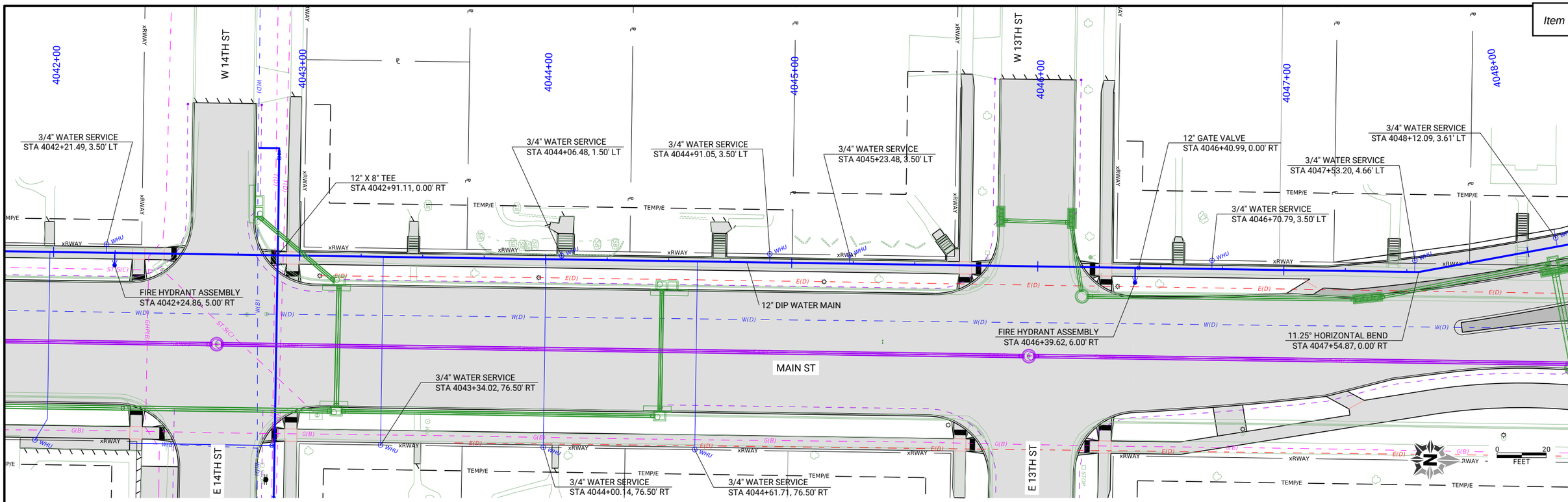

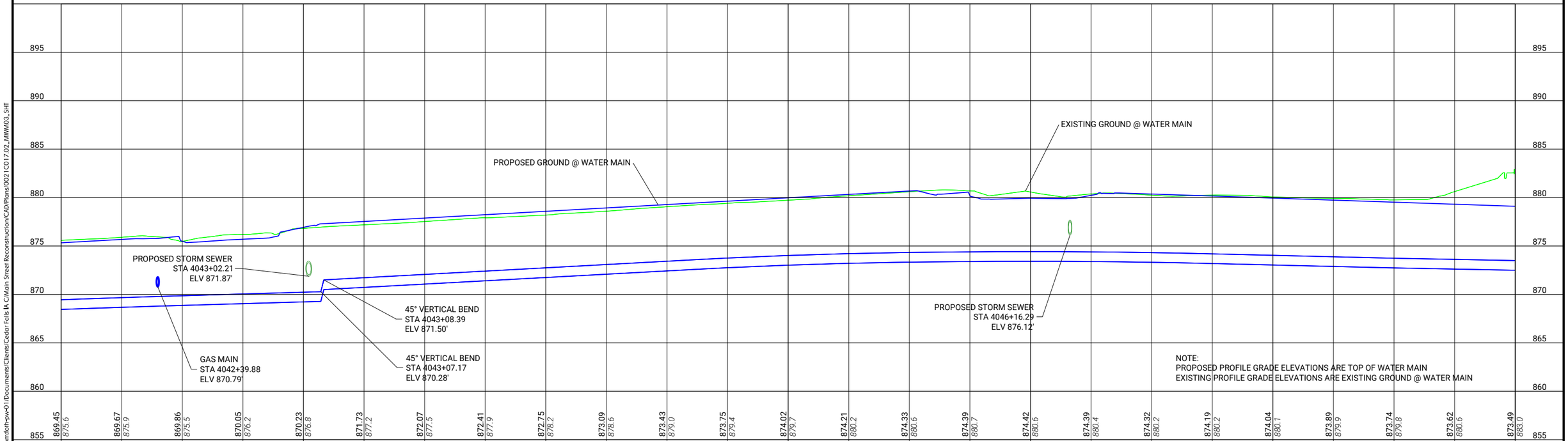

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
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LETTING DATE: 11/15/2022 CAD DATE: 8/31/2022 4:20:24 PM
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
WATER MAIN PLAN AND PROFILE

SHEET NO.
MWM.10
STBG-SWAP-1185(657

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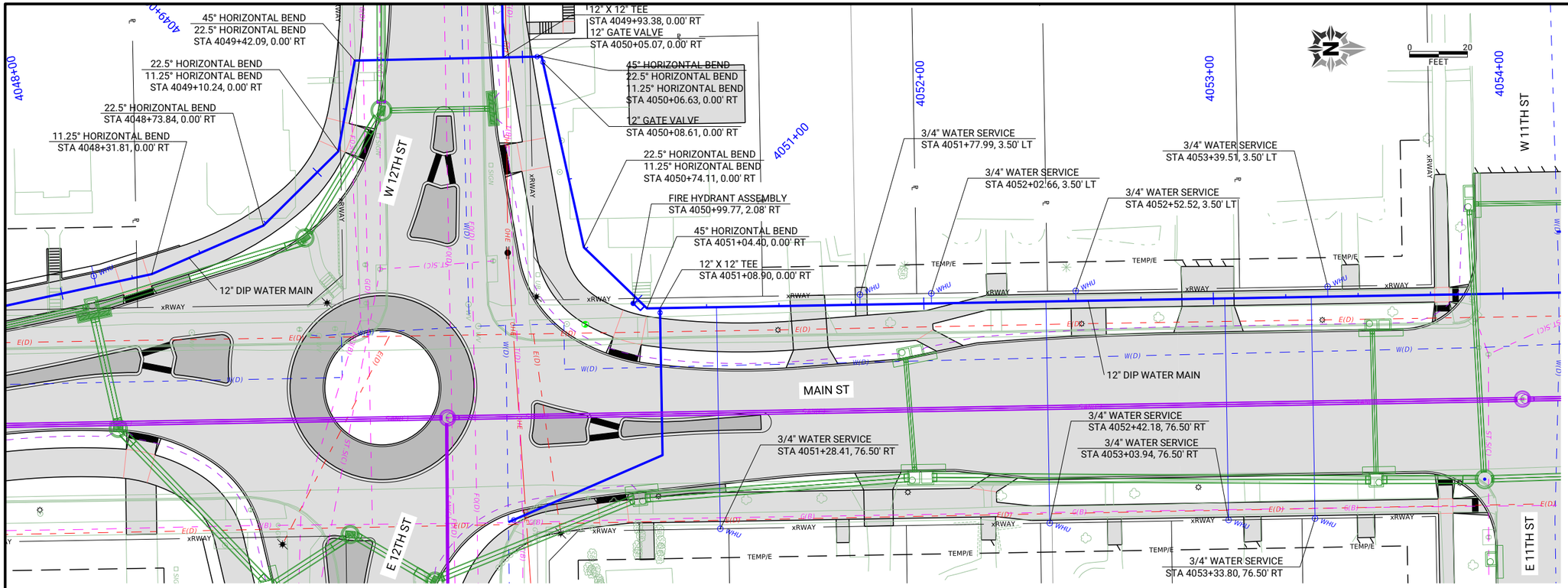

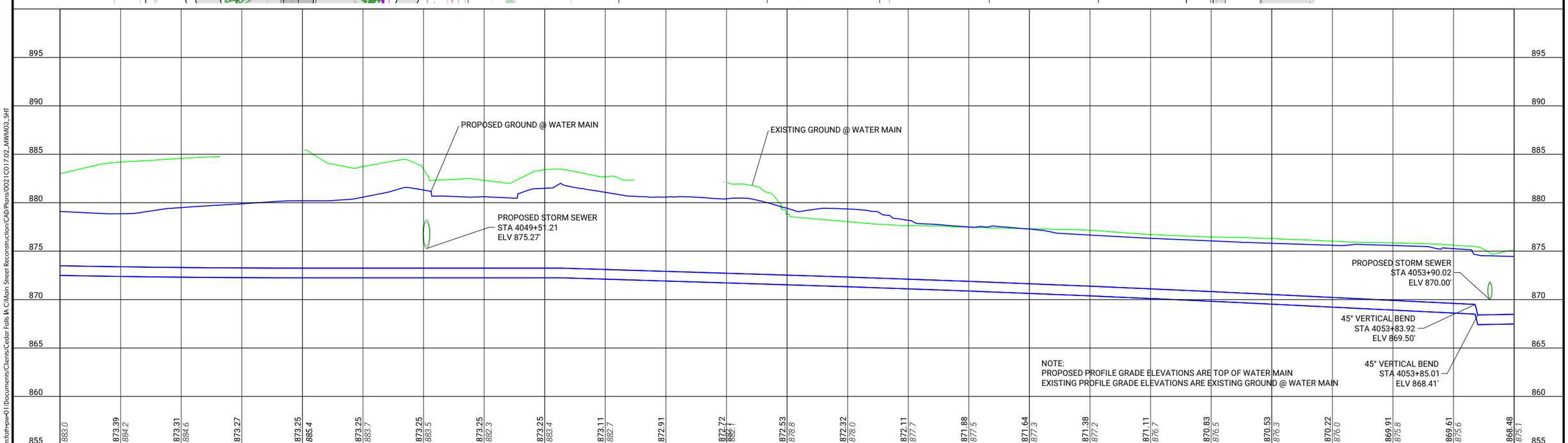

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: M. FAHRER CHECKED BY: M. FAHRER DRAWN BY: K. WOLLNER
LETTING DATE: 11/15/2022 CAD DATE: 8/31/2022 4:20:42 PM
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
WATER MAIN PLAN AND PROFILE

SHEET NO.
MWM.11
STBG-SWAP-1185(657

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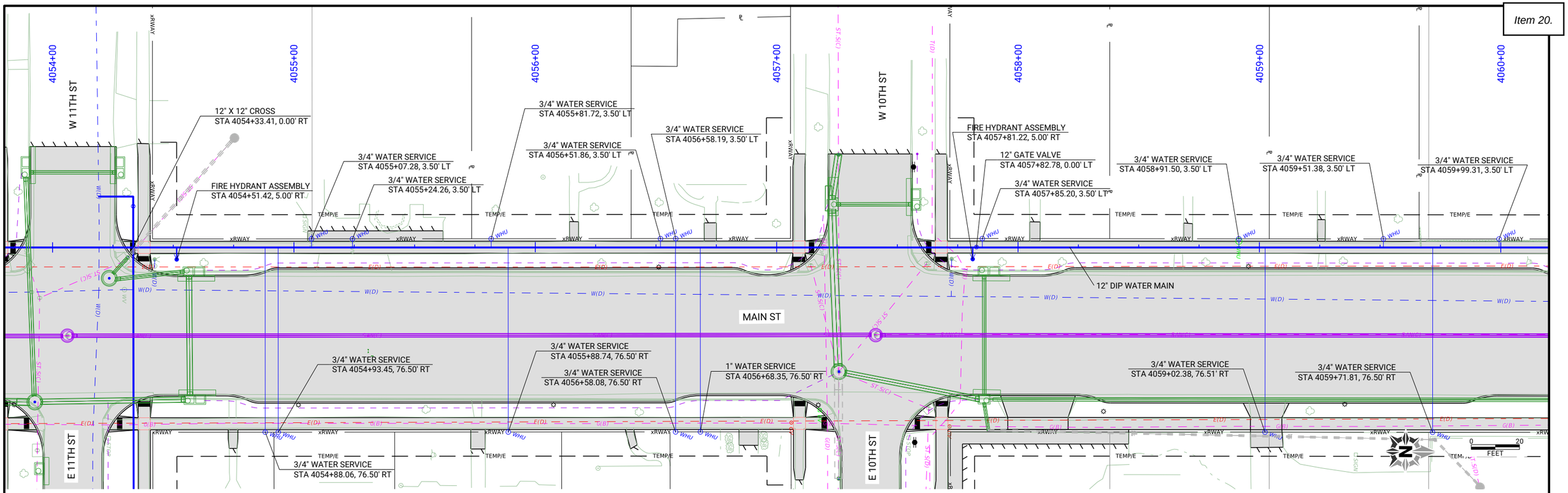

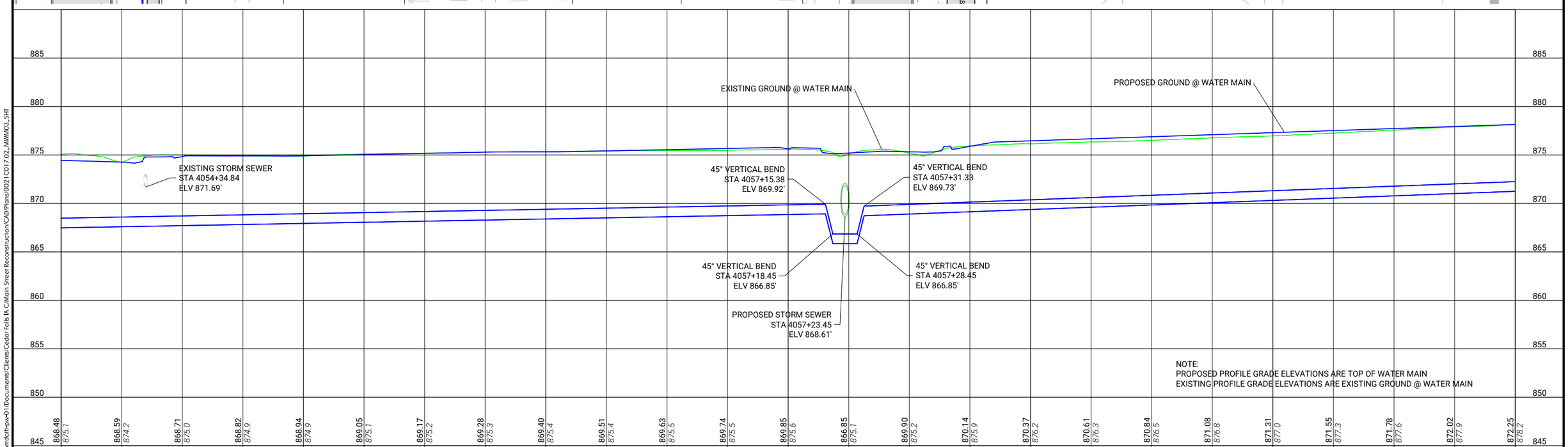

NOTE:
PROPOSED PROFILE GRADE ELEVATIONS ARE TOP OF WATER MAIN
EXISTING PROFILE GRADE ELEVATIONS ARE EXISTING GROUND @ WATER MAIN

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: M. FAHRER CHECKED BY: M. FAHRER DRAWN BY: K. WOLLNER
LETTING DATE: 11/15/2022 CAD DATE: 8/31/2022 4:21:01 PM
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
WATER MAIN PLAN AND PROFILE

SHEET NO.
MWM.12
STBG-SWAP-1185(657

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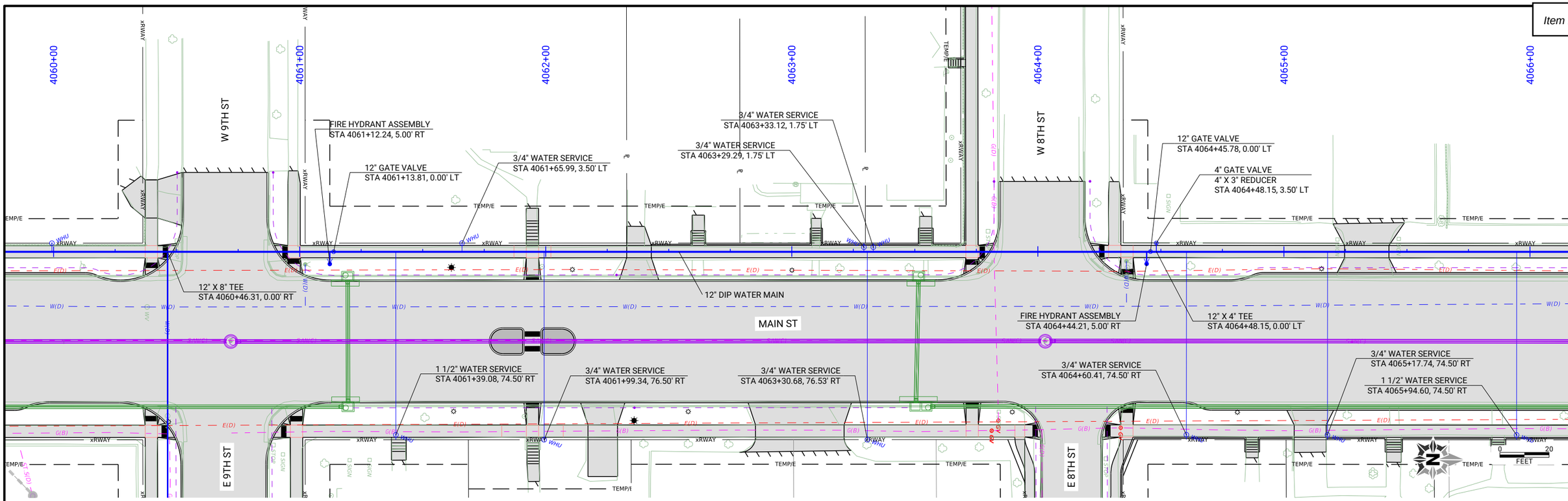

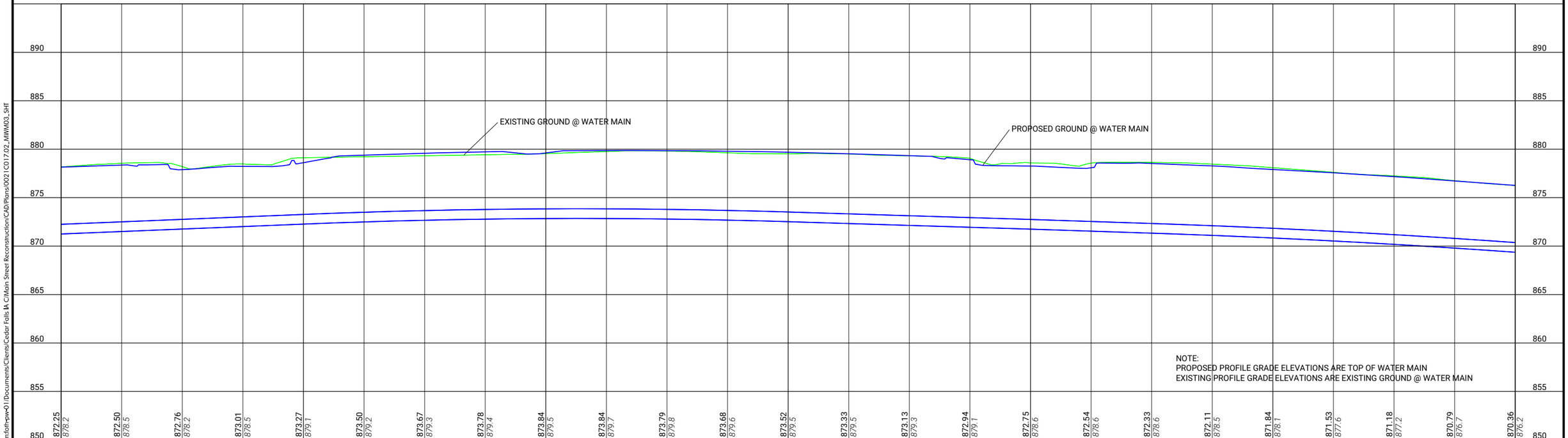

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: M. FAHRER CHECKED BY: M. FAHRER DRAWN BY: K. WOLLNER
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
WATER MAIN PLAN AND PROFILE

SHEET NO.
MWM.13
STBG-SWAP-1185(657

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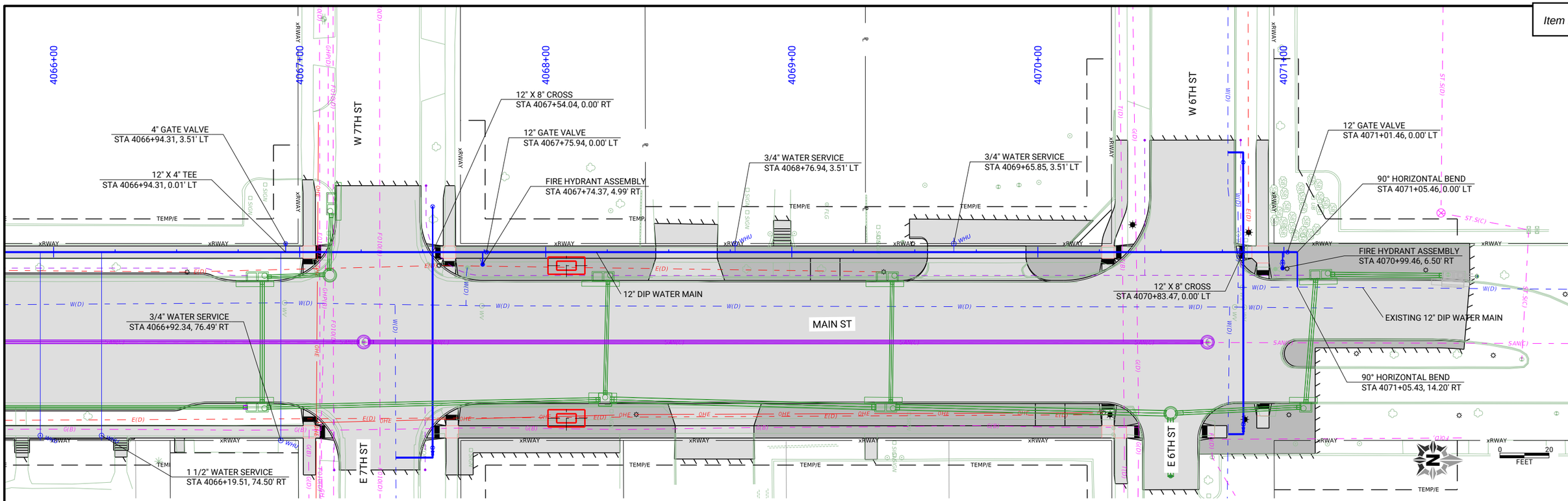

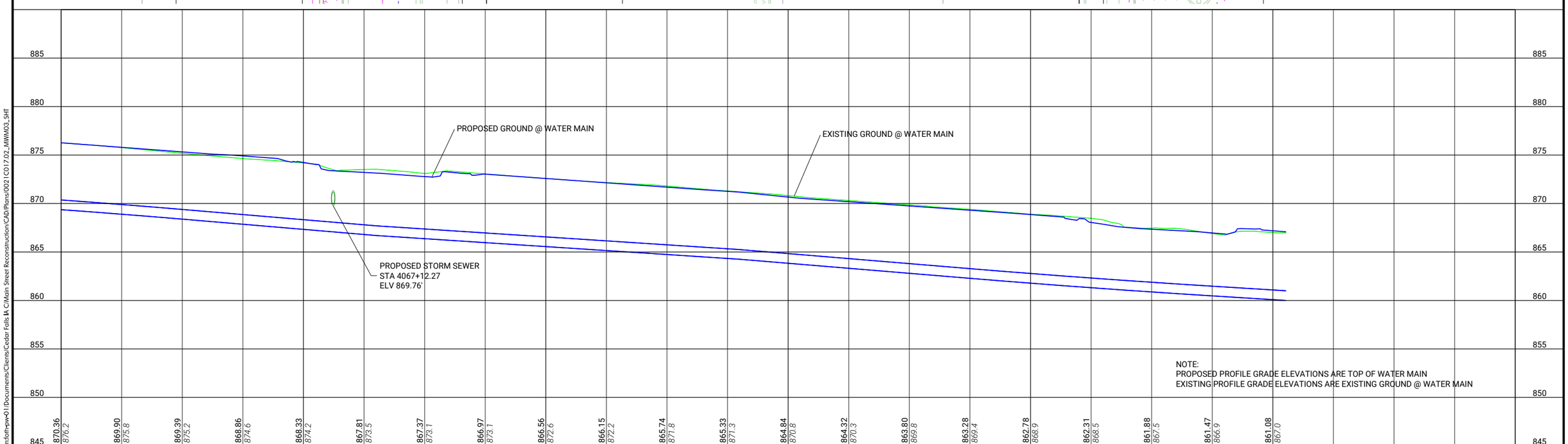

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: M. FAHRER CHECKED BY: M. FAHRER DRAWN BY: K. WOLLNER
LETTING DATE: 11/15/2022 CAD DATE: 8/31/2022 4:21:22 PM
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
WATER MAIN PLAN AND PROFILE

SHEET NO.
MWM.14

STBG-SWAP-1185(657

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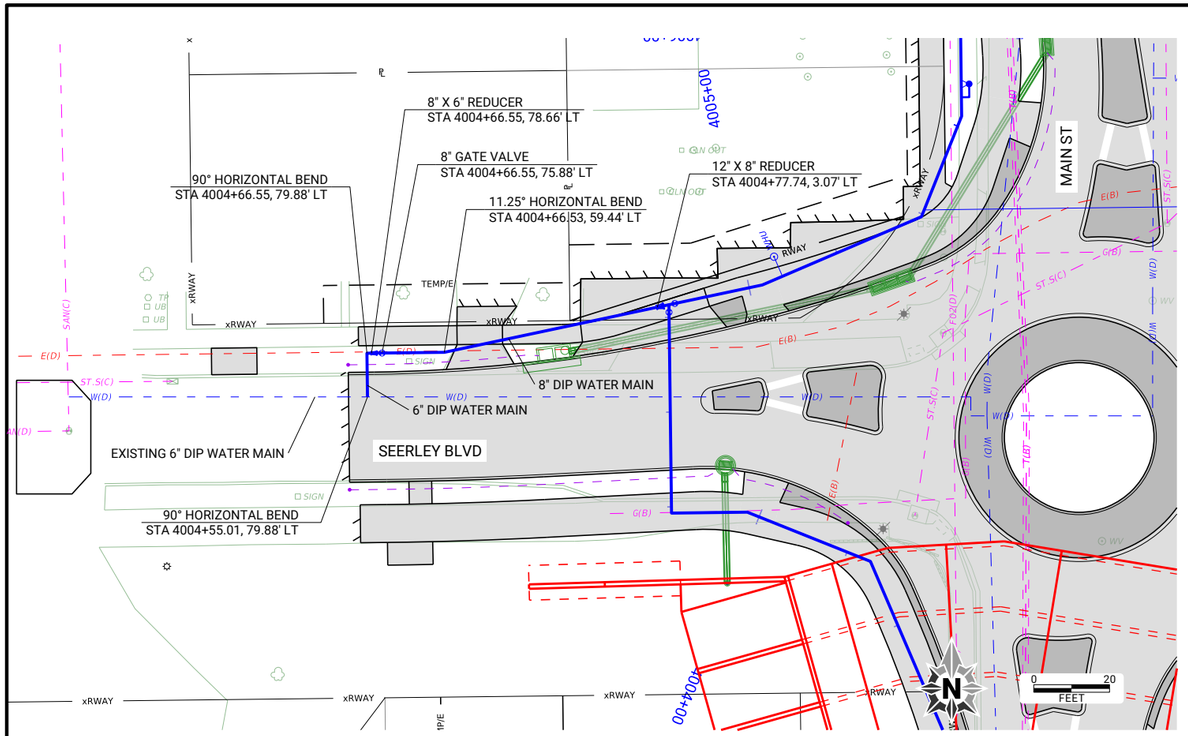

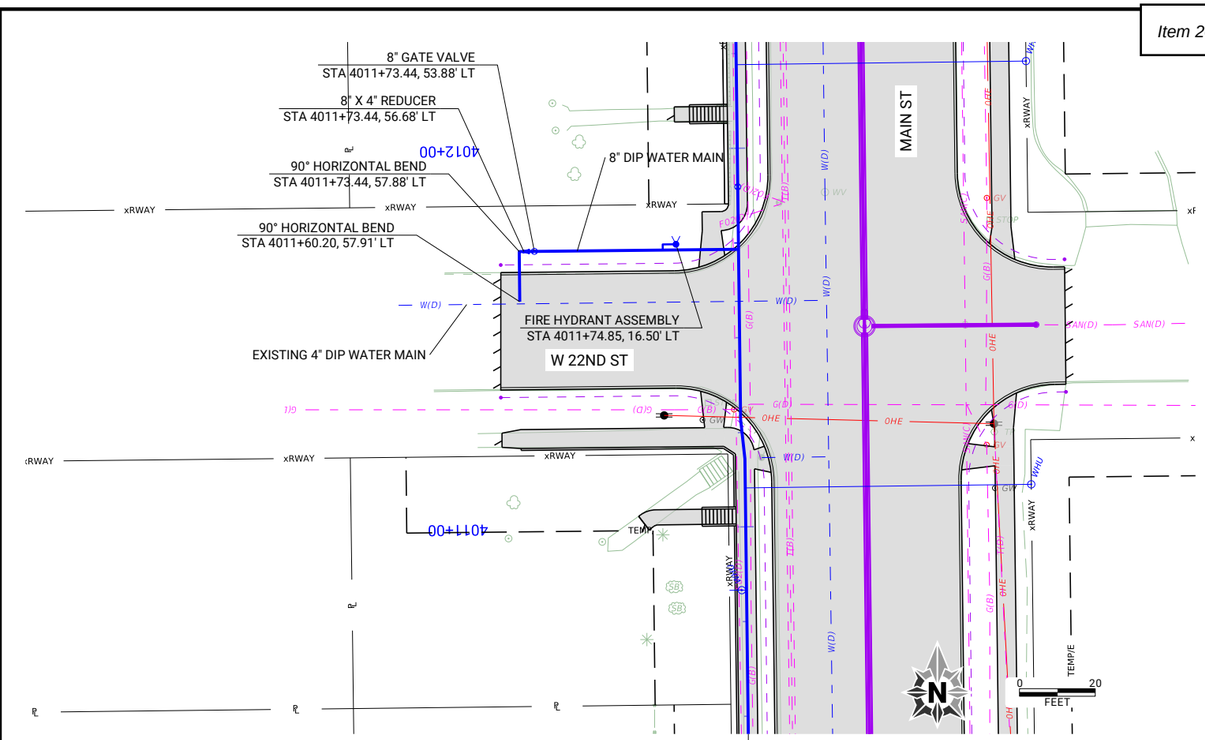

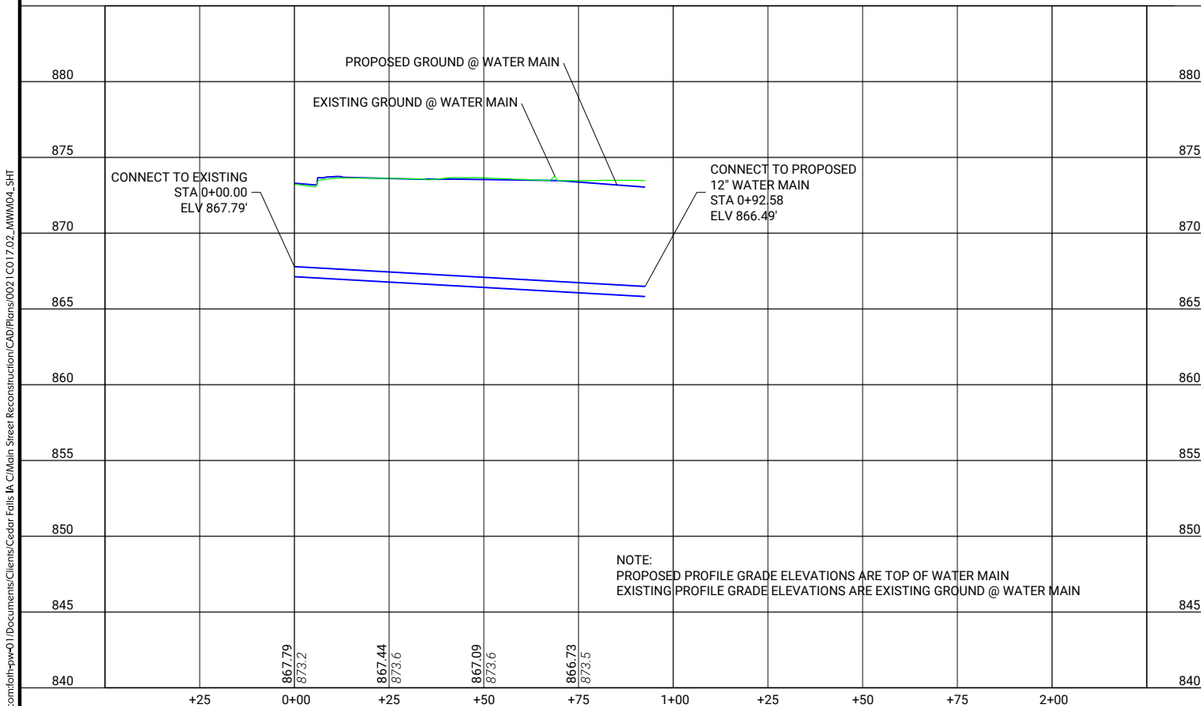

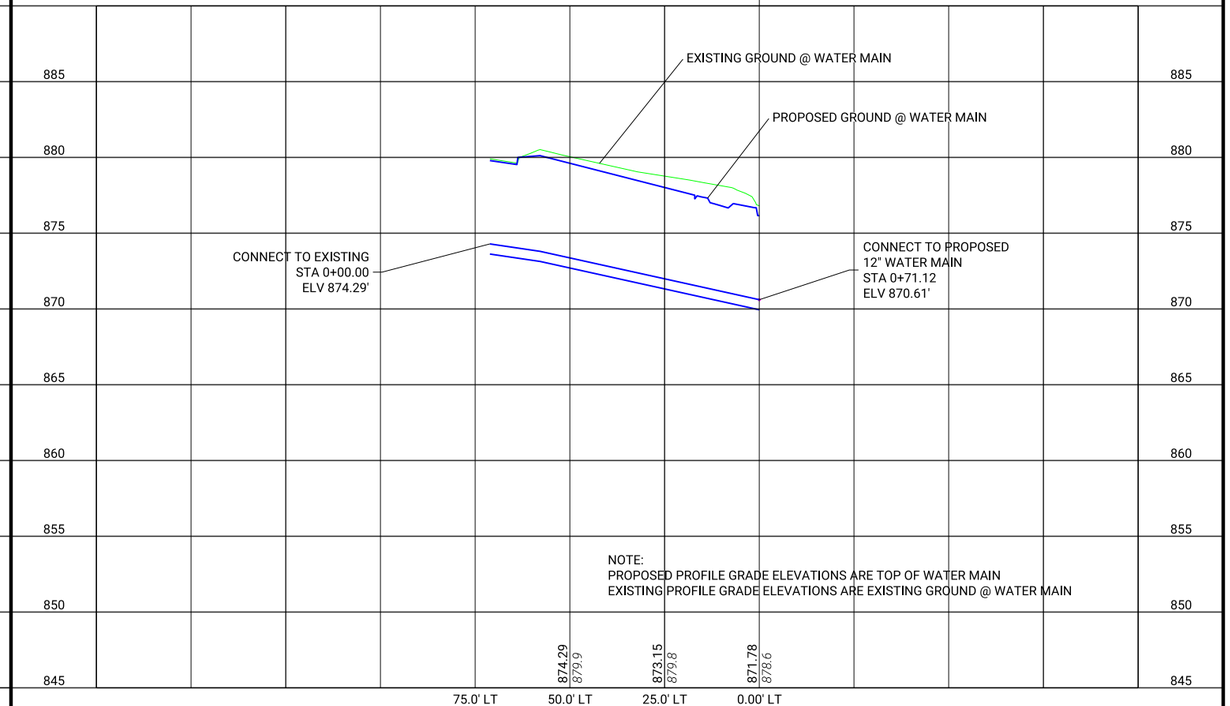

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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: M. FAHRER CHECKED BY: M. FAHRER DRAWN BY: K. WOLLNER
LETTING DATE: 11/15/2022 CAD DATE: 8/31/2022 4:21:44 PM
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NO	DATE	BY	REVISION DESCRIPTION

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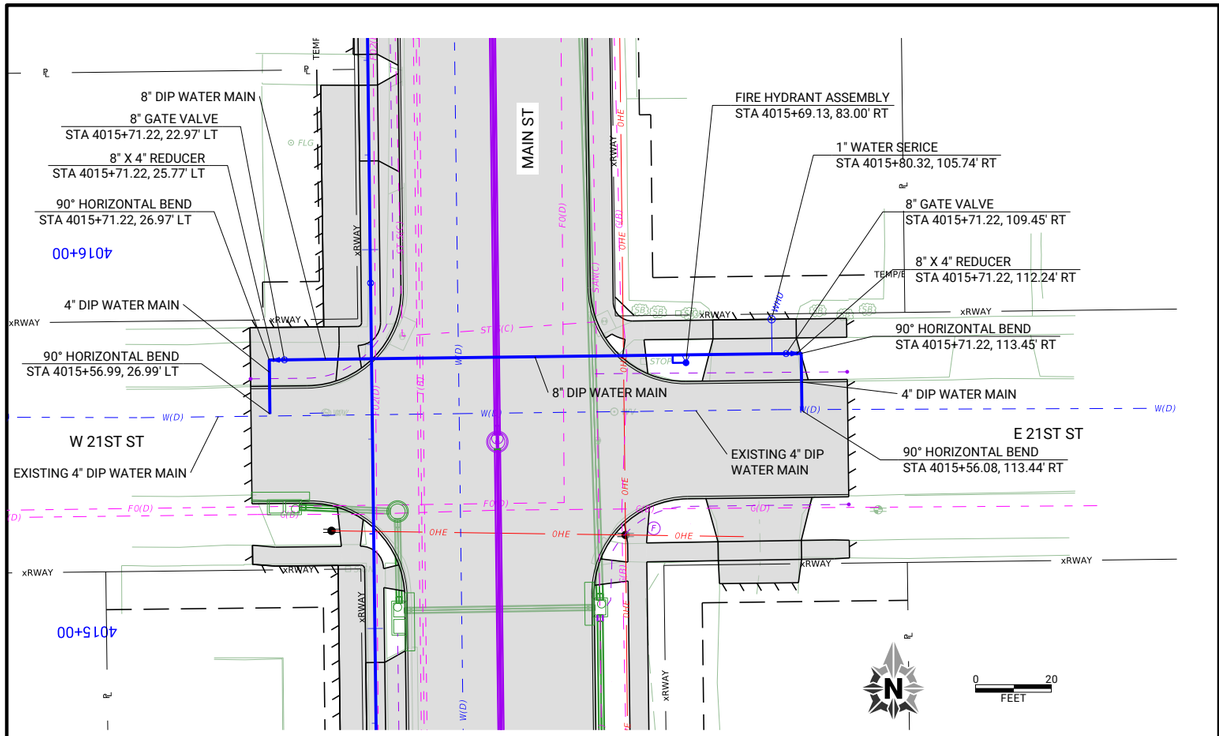
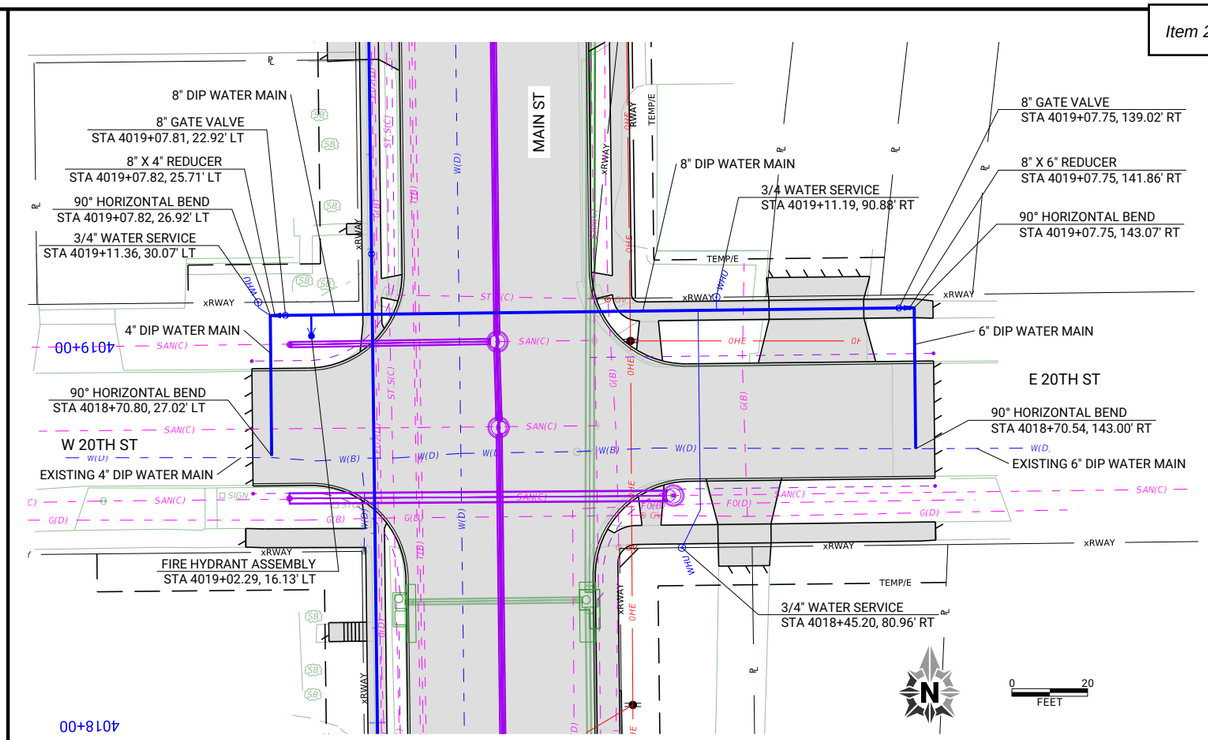
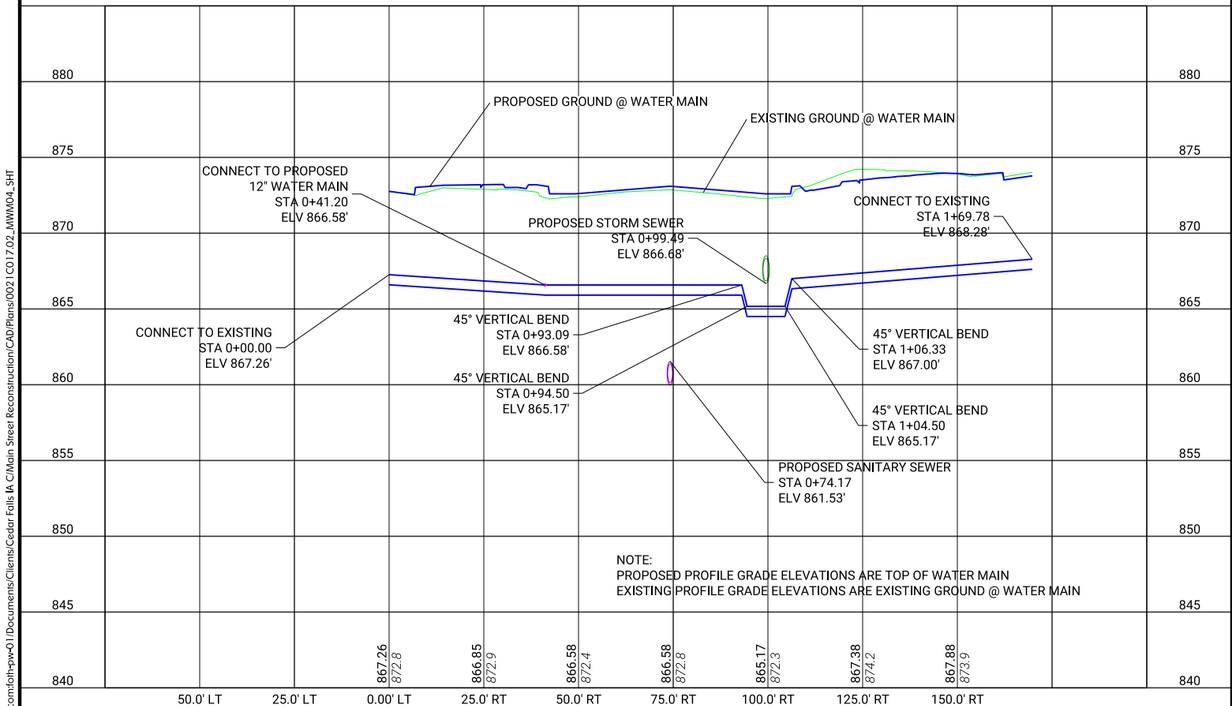
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

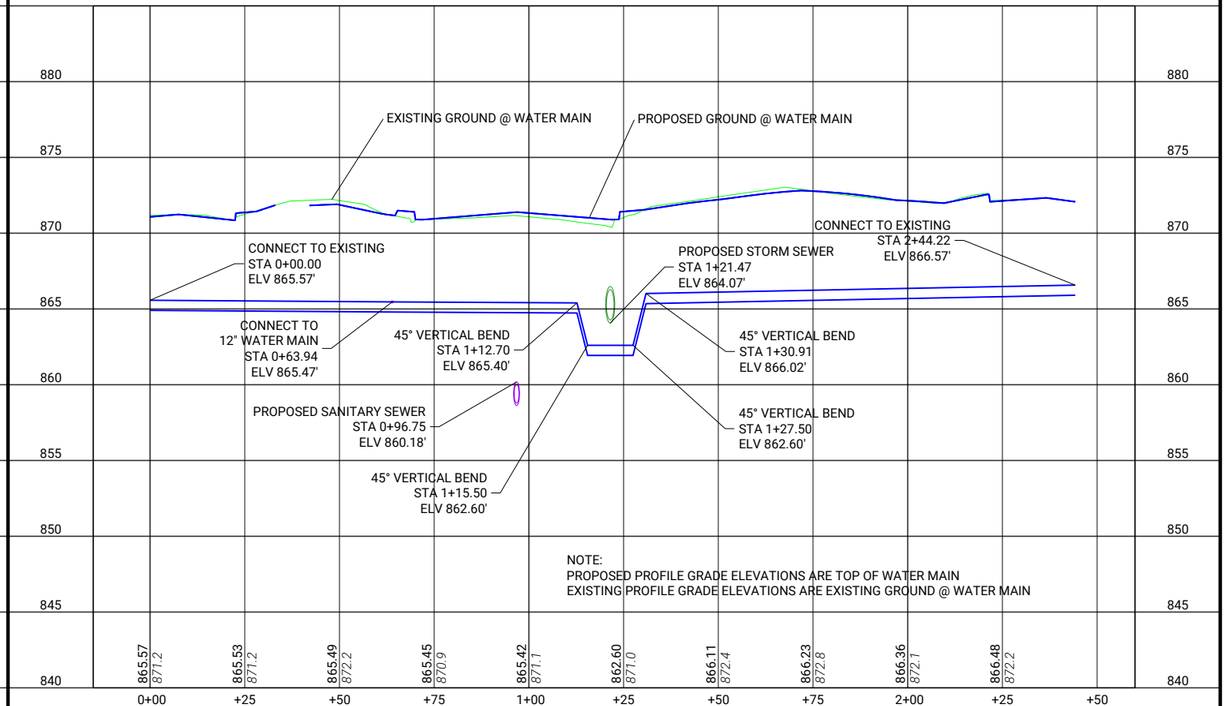
SEERLEY BOULEVARD AND 22ND STREET
WATER MAIN PLAN AND PROFILE

SHEET NO.
MWM.15
STBG-SWAP-1185(657









CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: M. FAHRER	CHECKED BY: M. FAHRER	DRAWN BY: K. WOLLNER	
LETTING DATE: 11/15/2022	CAD DATE: 8/31/2022	5:05:47 PM	
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

20TH AND 21ST STREET
WATER MAIN PLAN AND PROFILE

SHEET NO.
MWM.16

STBG-SWAP-1185(657

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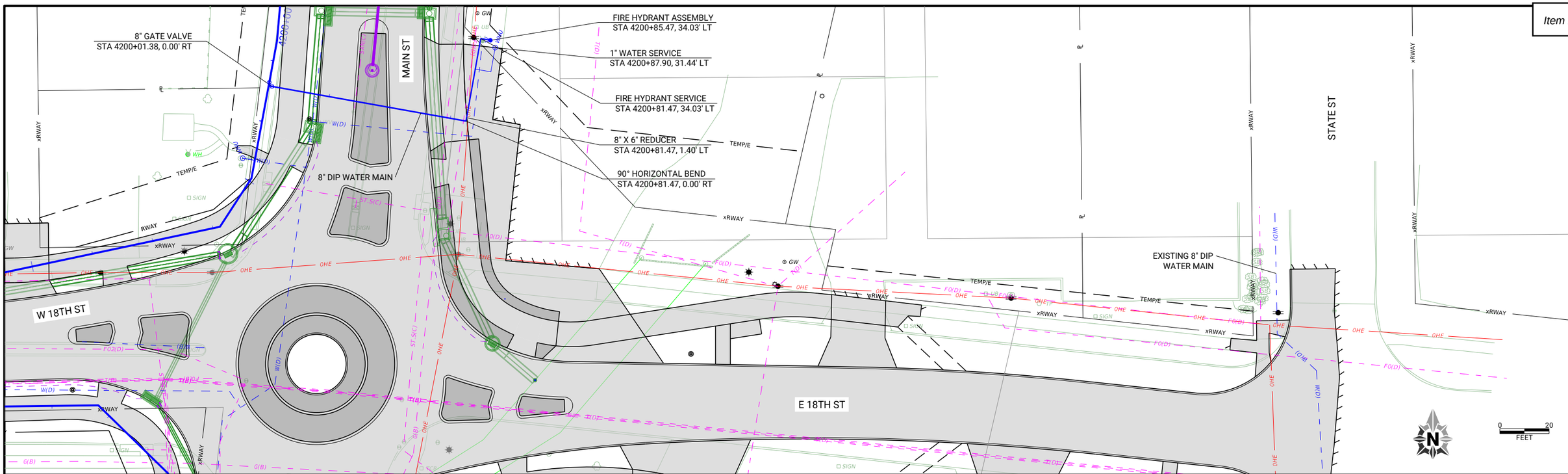

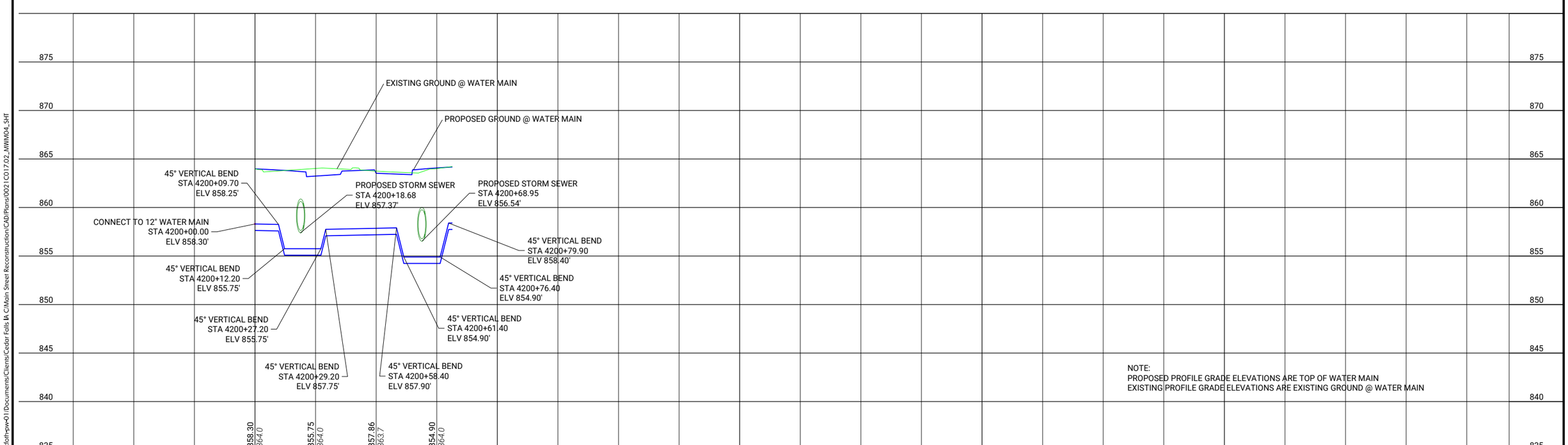

NOTE:
PROPOSED PROFILE GRADE ELEVATIONS ARE TOP OF WATER MAIN
EXISTING PROFILE GRADE ELEVATIONS ARE EXISTING GROUND @ WATER MAIN

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: M. FAHRER CHECKED BY: M. FAHRER DRAWN BY: K. WOLLNER
LETTING DATE: 11/15/2022 CAD DATE: 8/31/2022 5:08:39 PM
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NO	DATE	BY	REVISION DESCRIPTION

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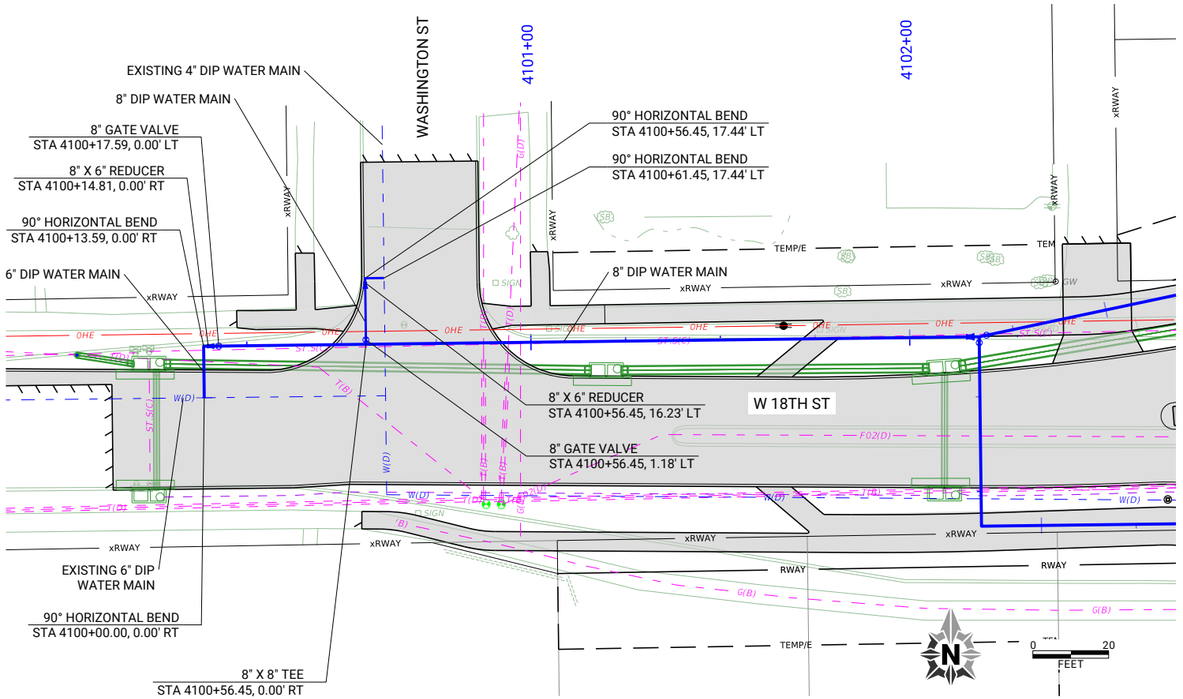
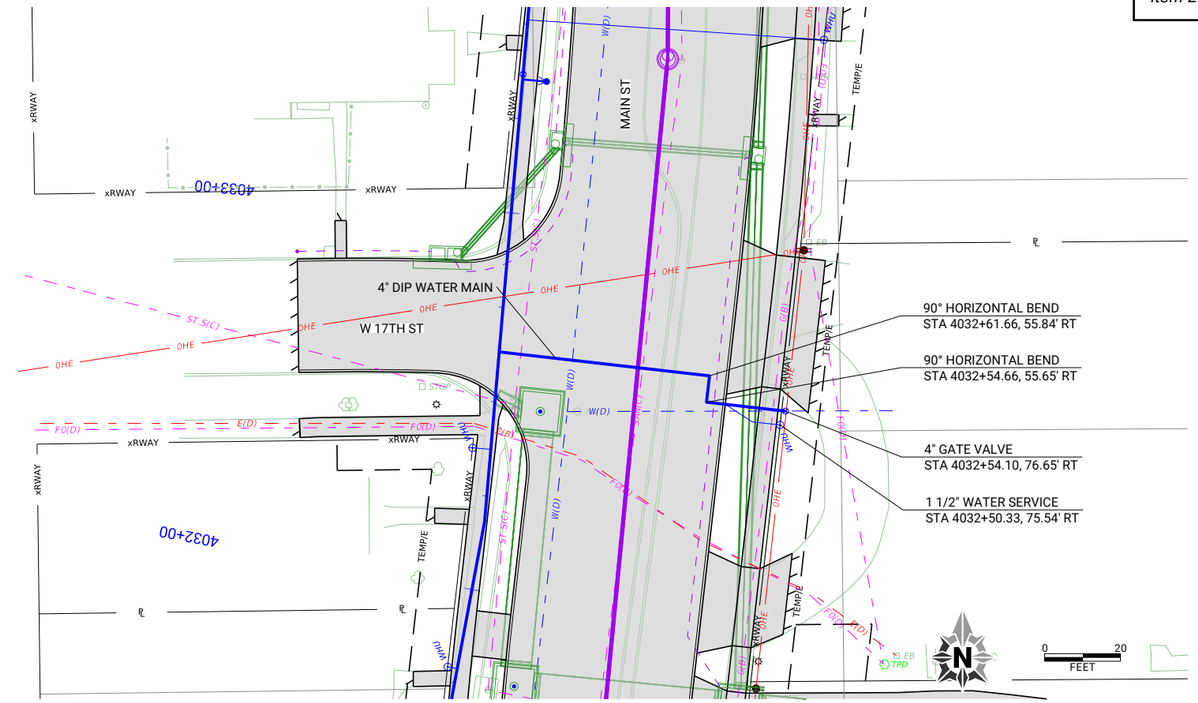
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

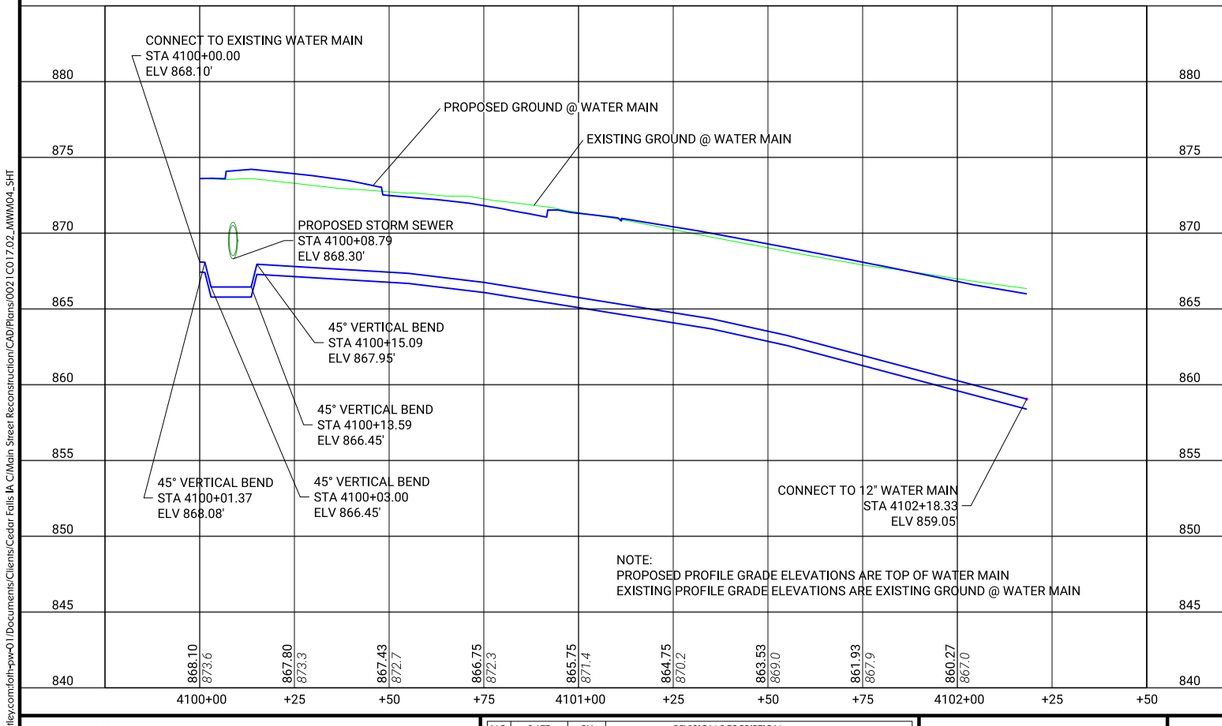
18TH STREET
WATER MAIN PLAN AND PROFILE

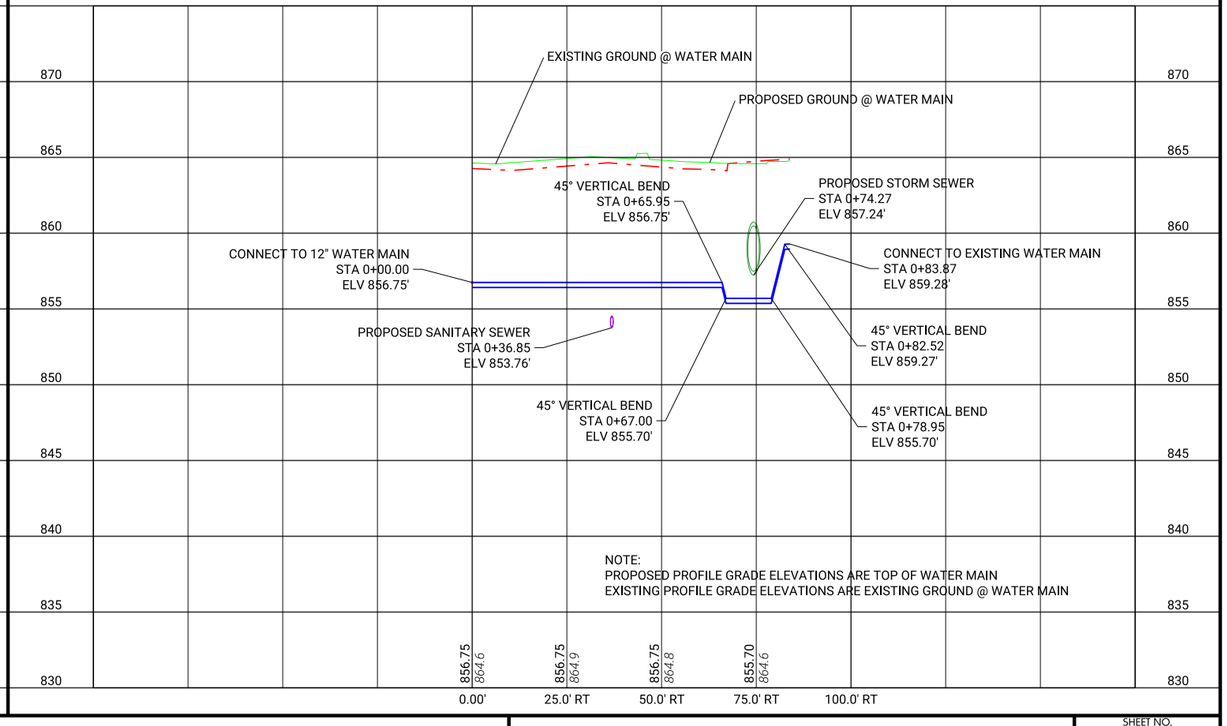
SHEET NO.
MWM.17

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Falls IA C/Main Street Reconstruction/CAD/Plans/0021C017.02_MWM04_SHT









CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

17TH AND 18TH STREET
WATER MAIN PLAN AND PROFILE

SHEET NO.
MWM.18

STBG-SWAP-1185(657

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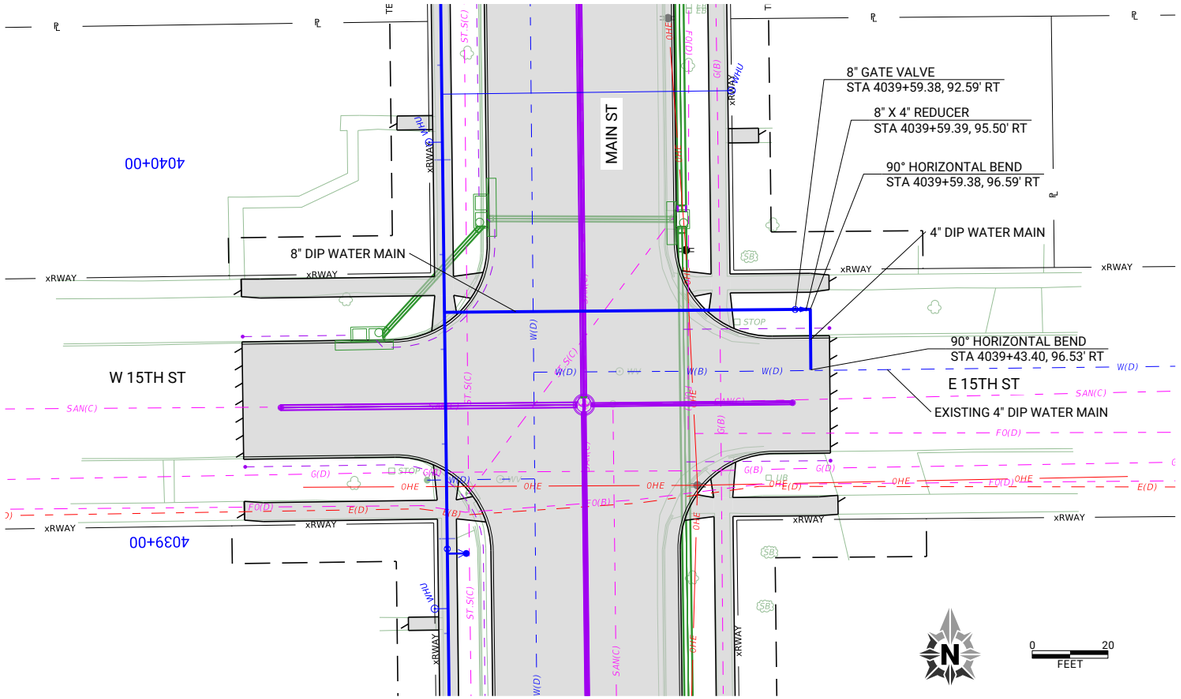

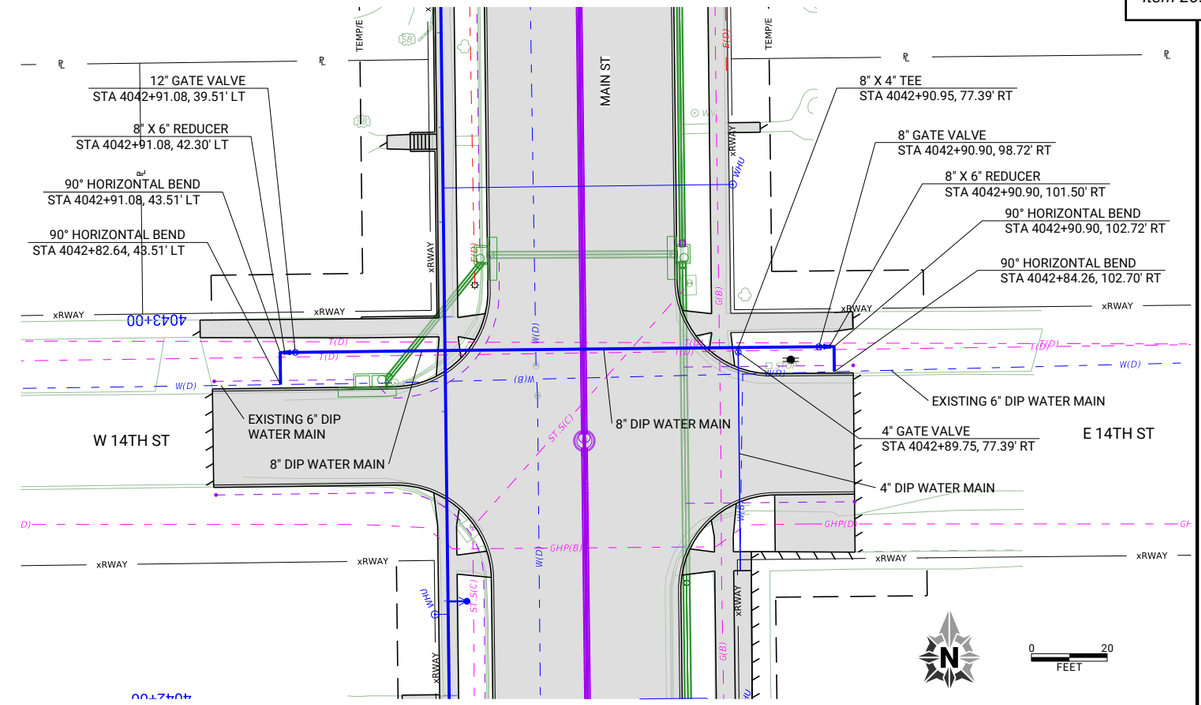

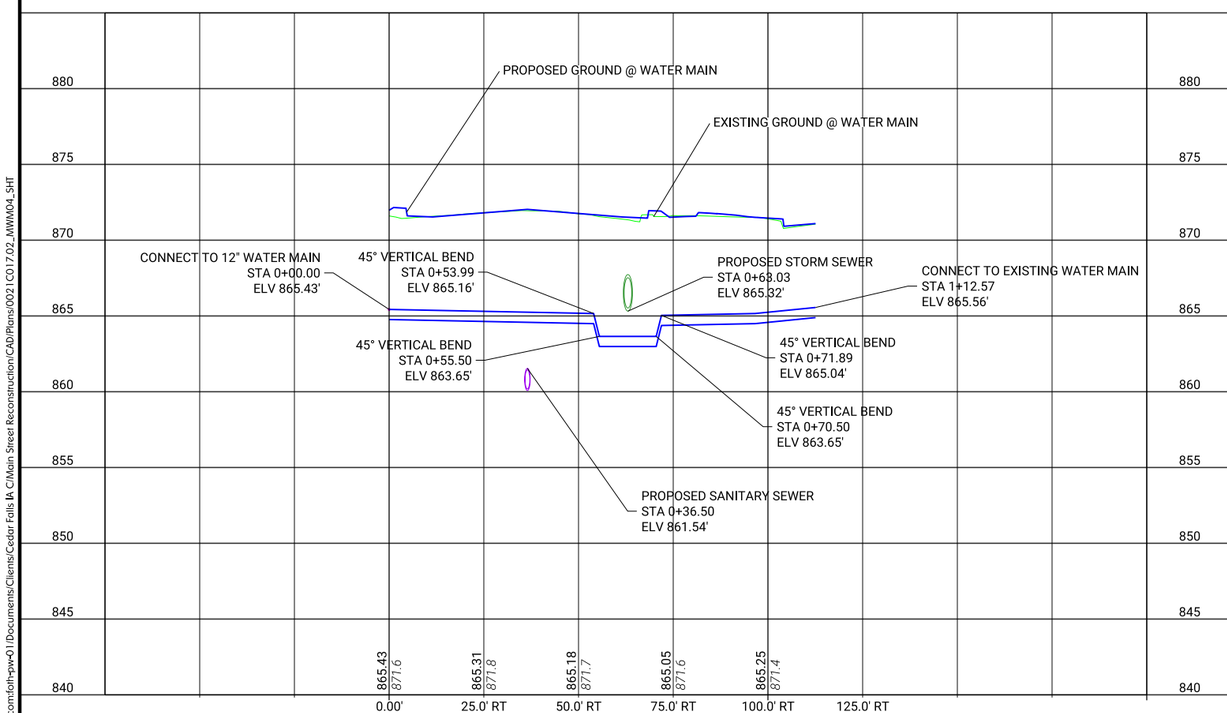

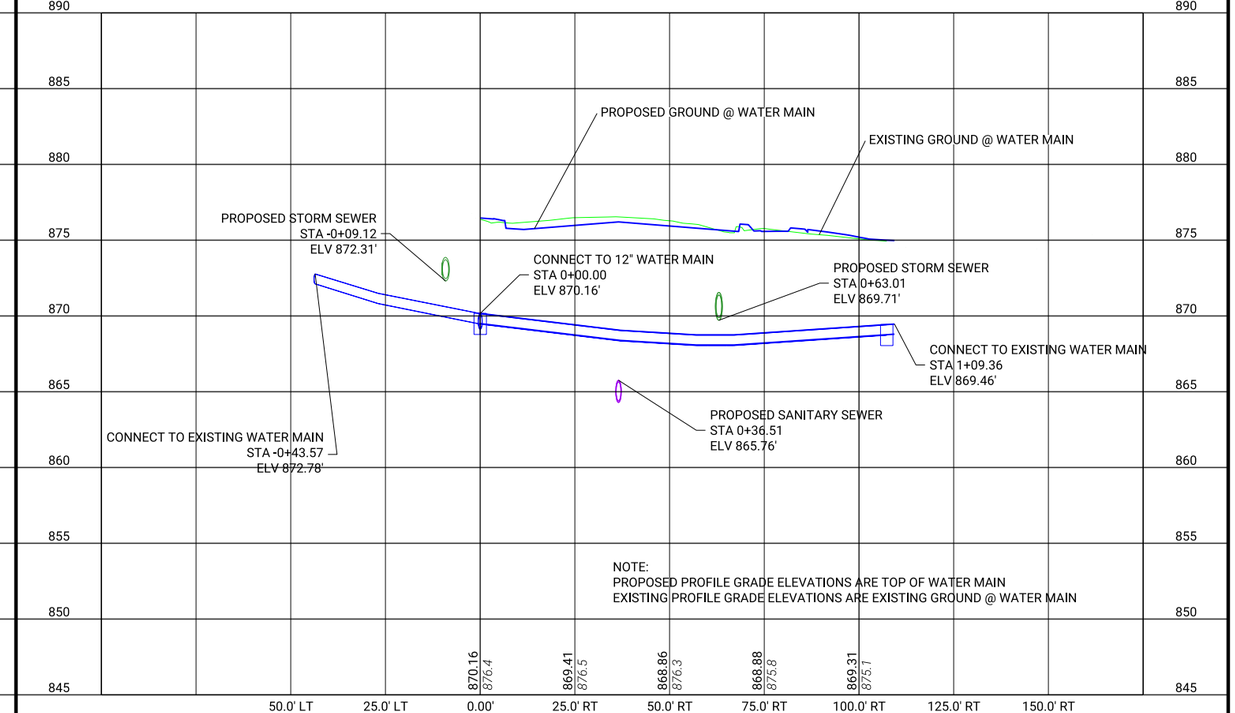

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

14TH AND 15TH STREET
WATER MAIN PLAN AND PROFILE

SHEET NO.
MWM.19

STBG-SWAP-1185(657

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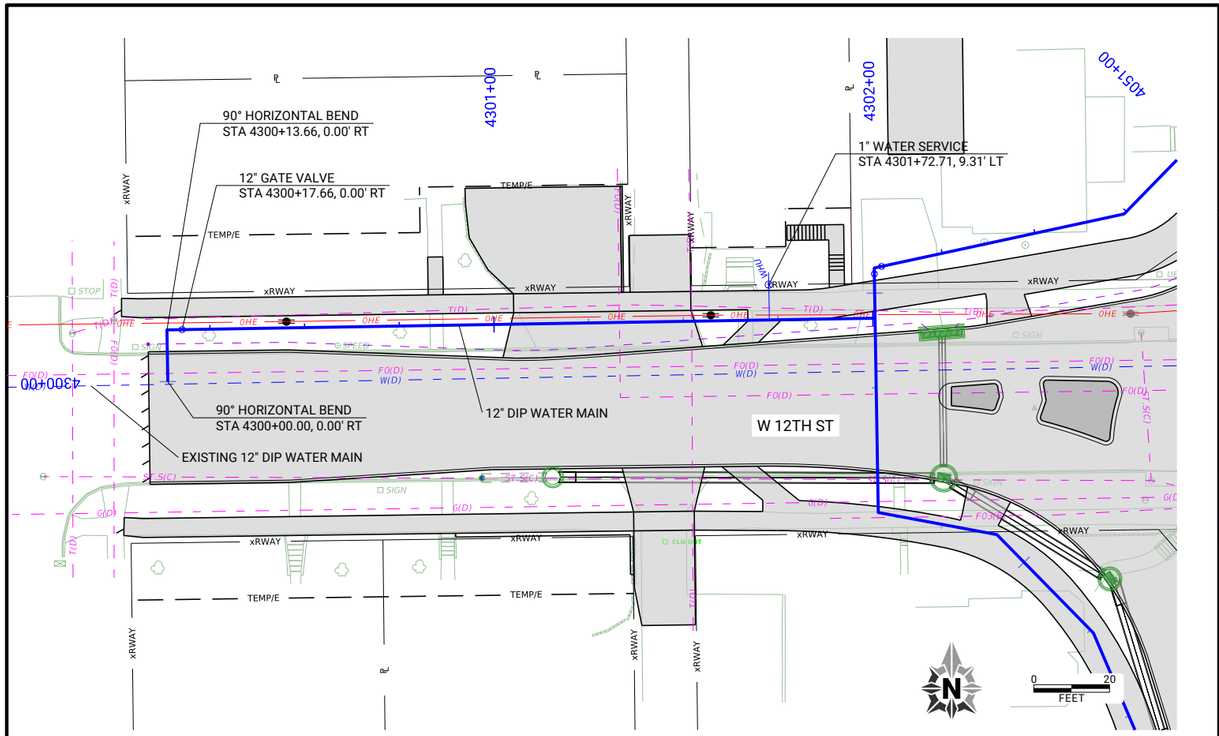

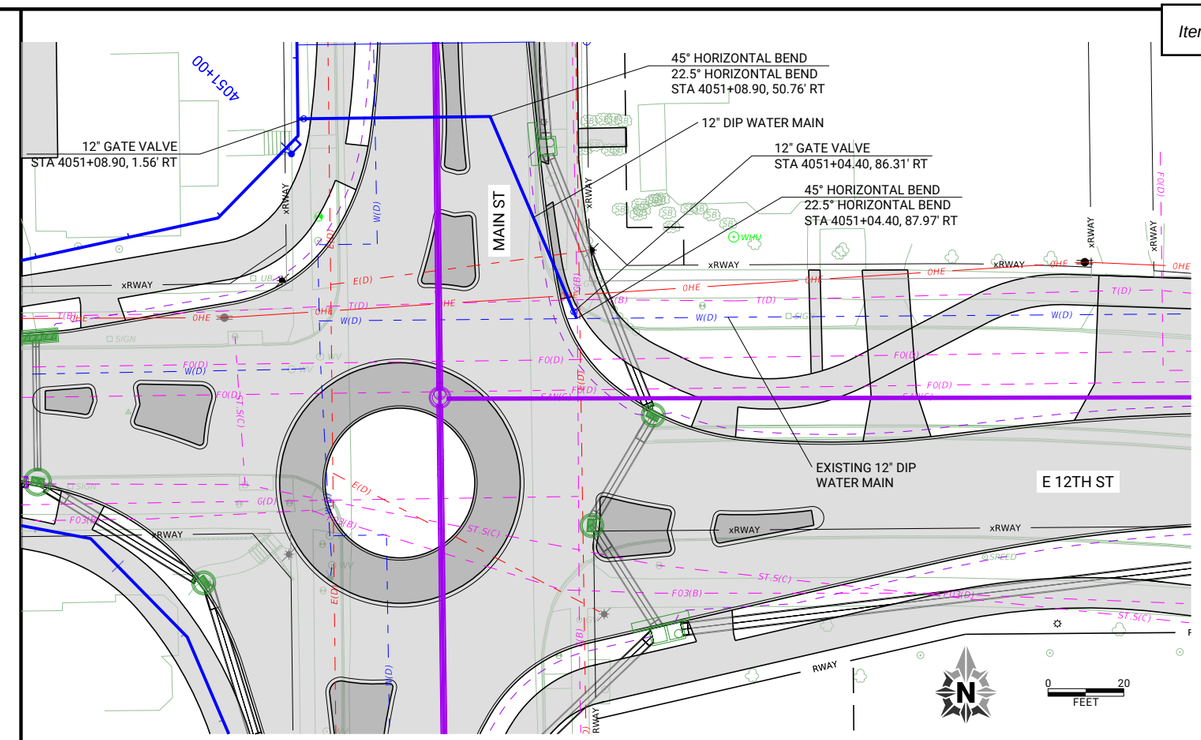

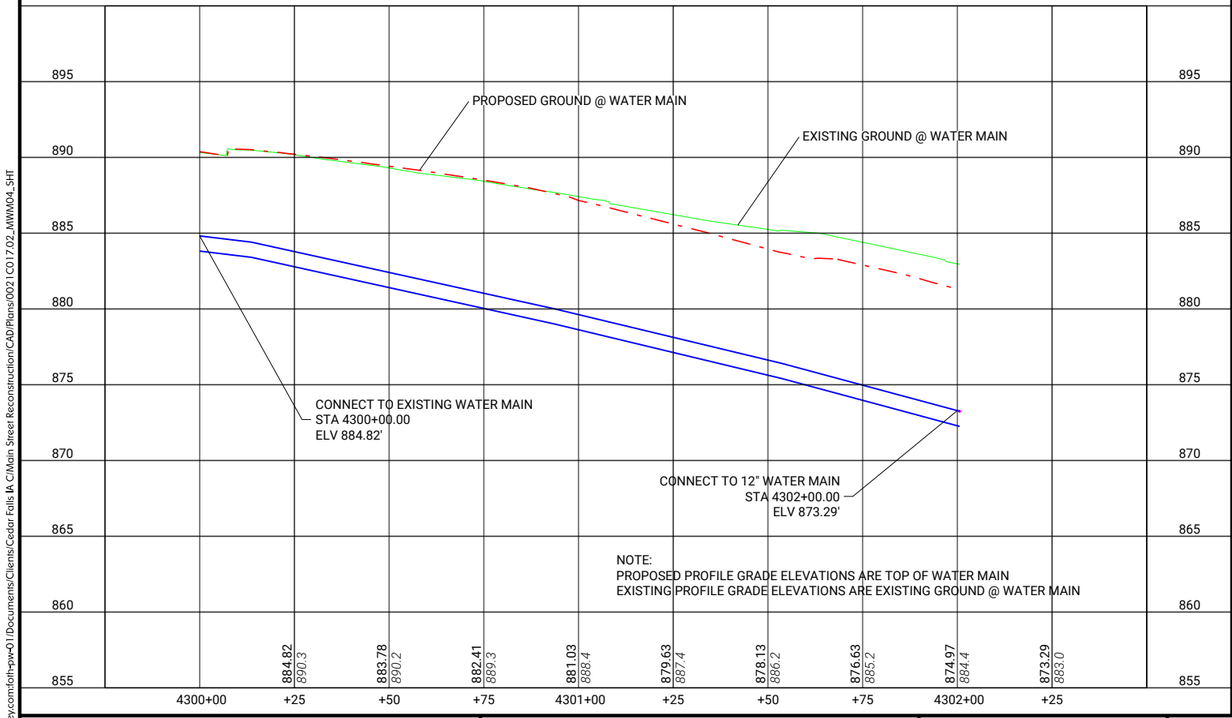

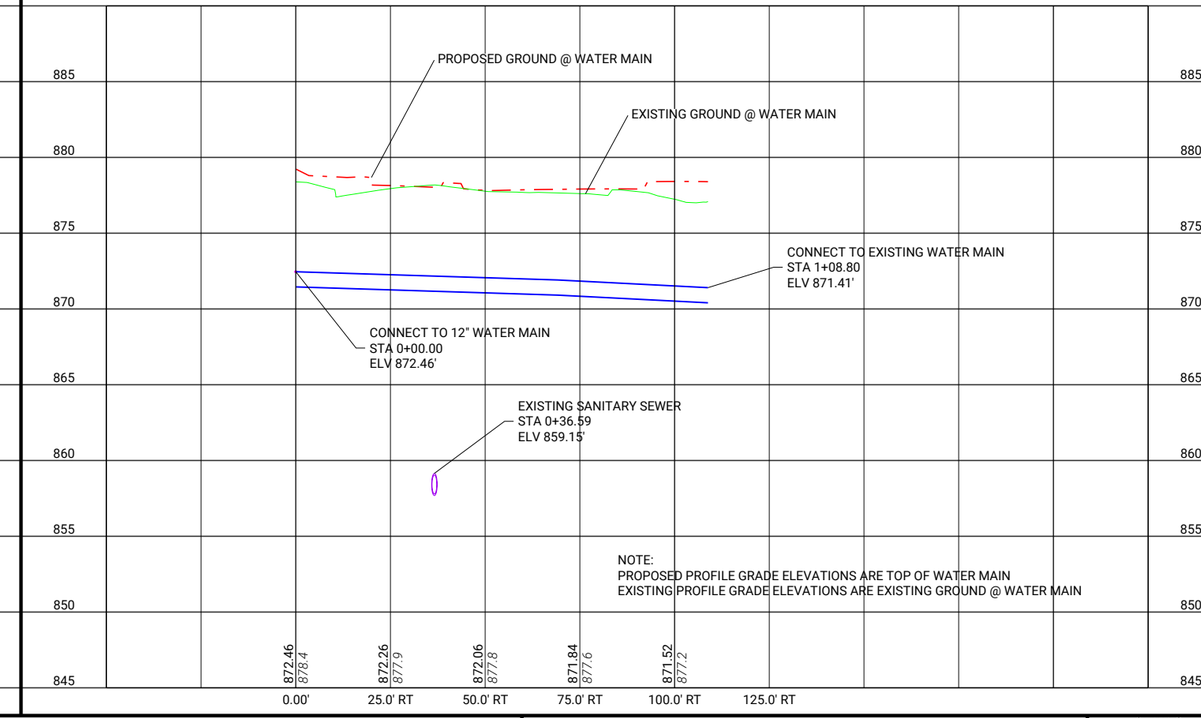

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

12TH STREET
WATER MAIN PLAN AND PROFILE

SHEET NO.
MWM.20
STBG-SWAP-1185(657

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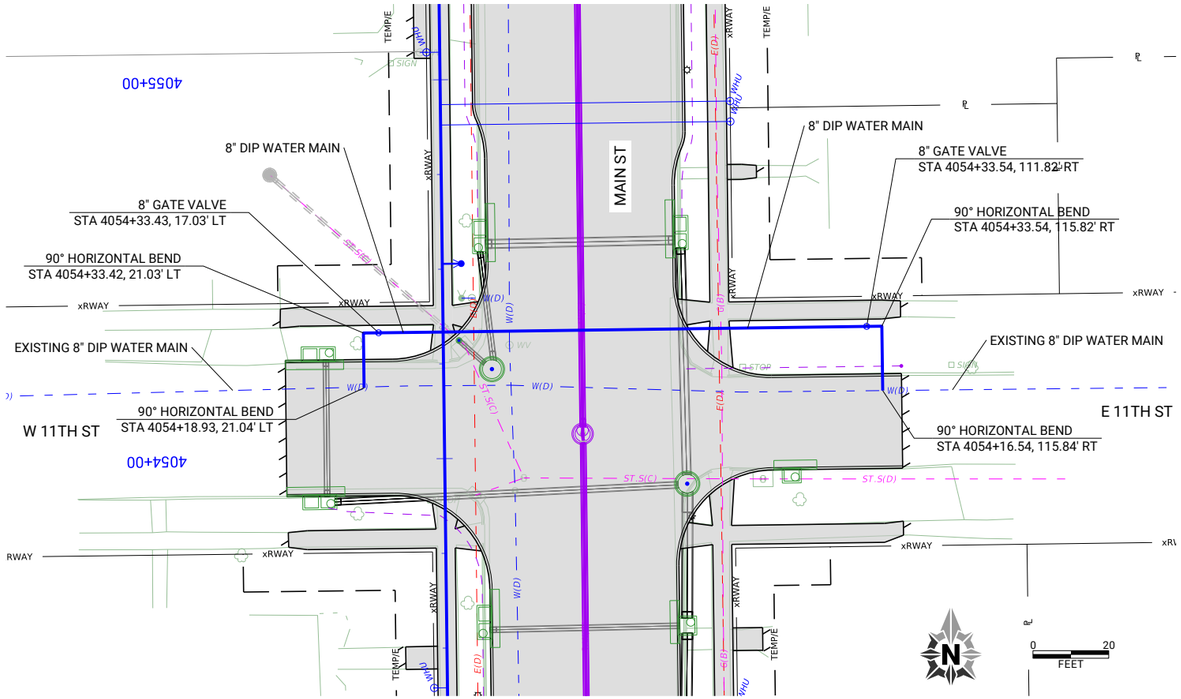

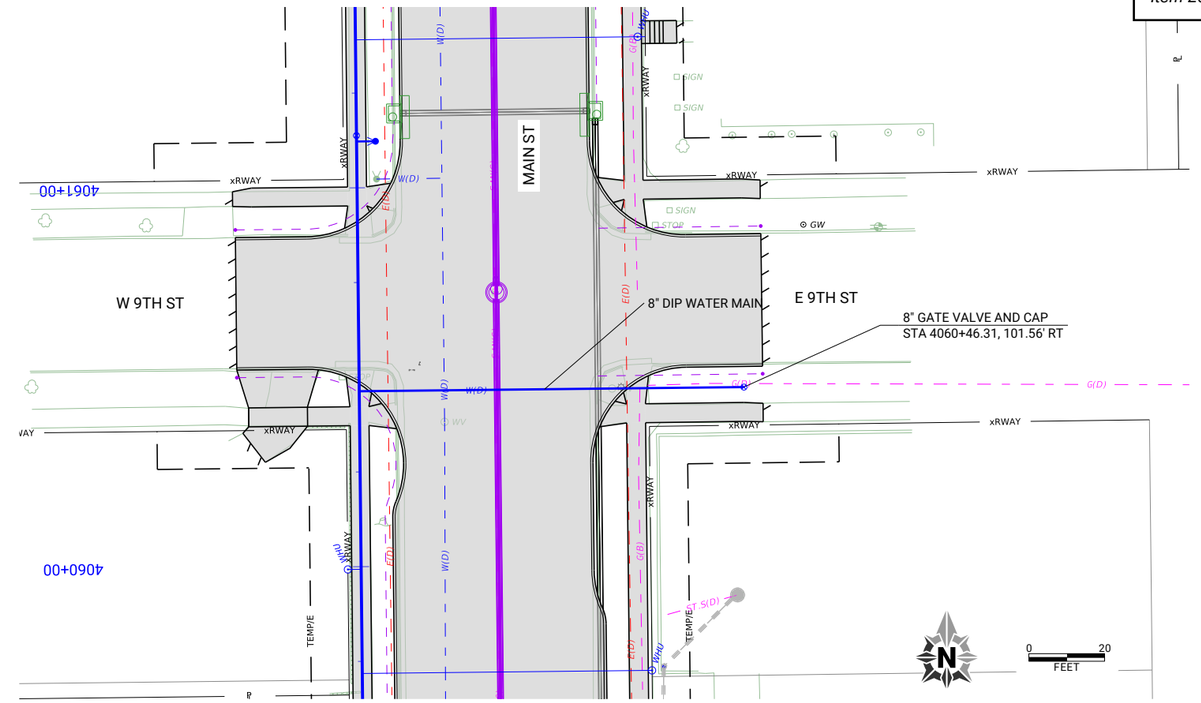

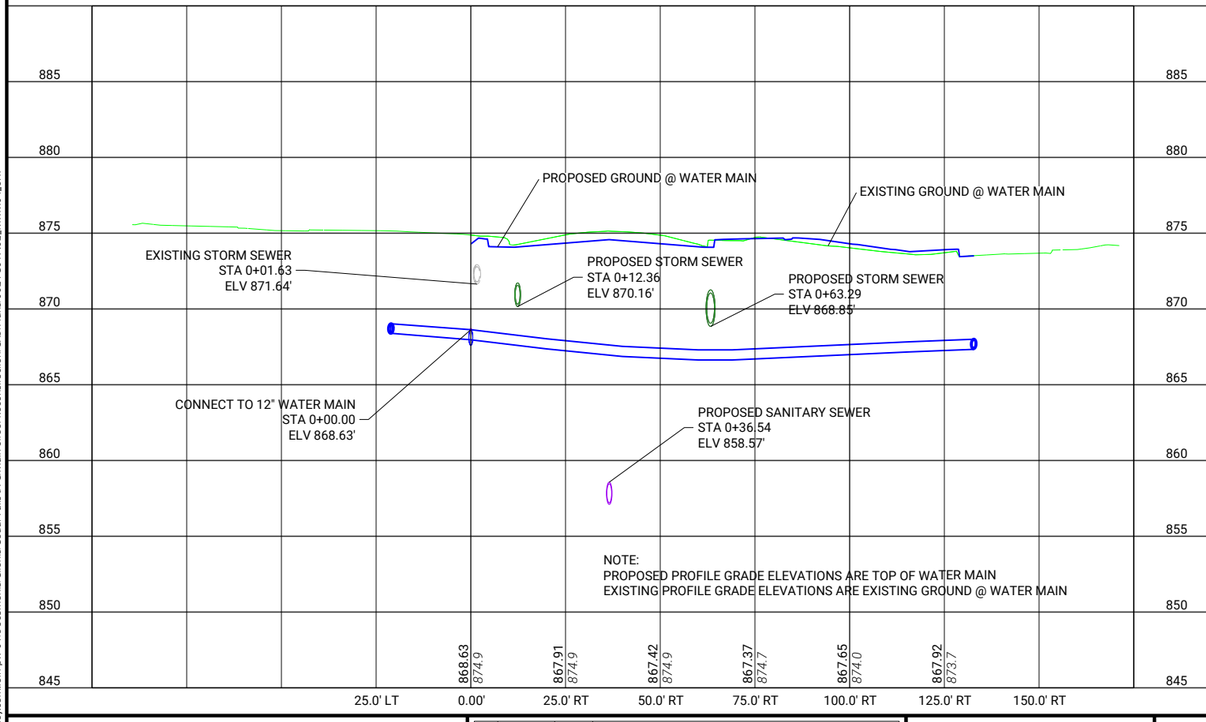

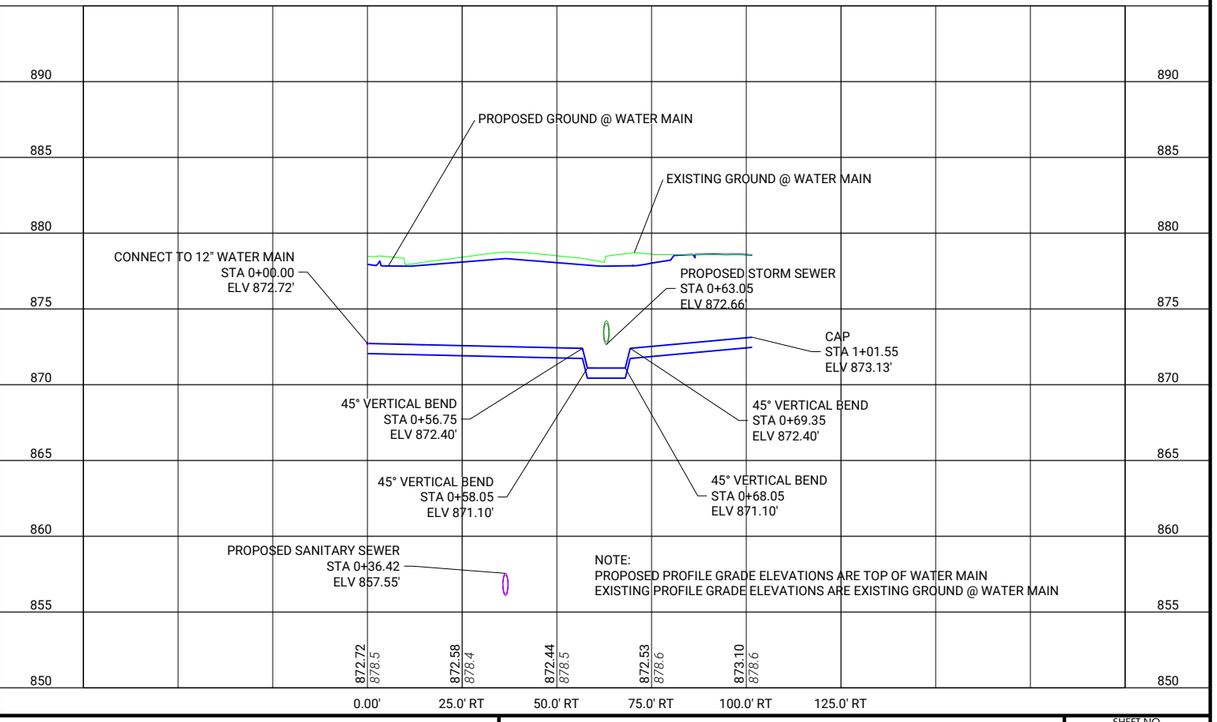

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

9TH AND 11TH STREET
WATER MAIN PLAN AND PROFILE

SHEET NO.
MWM.21

STBG-SWAP-1185(657

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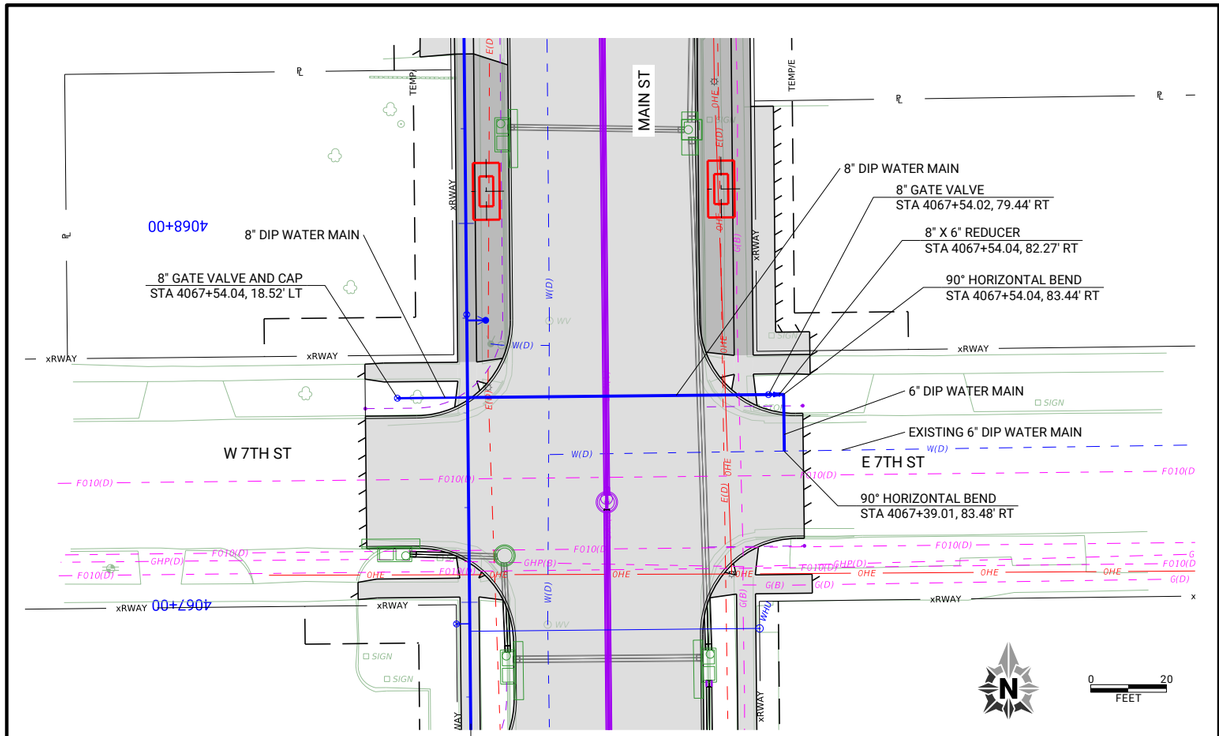

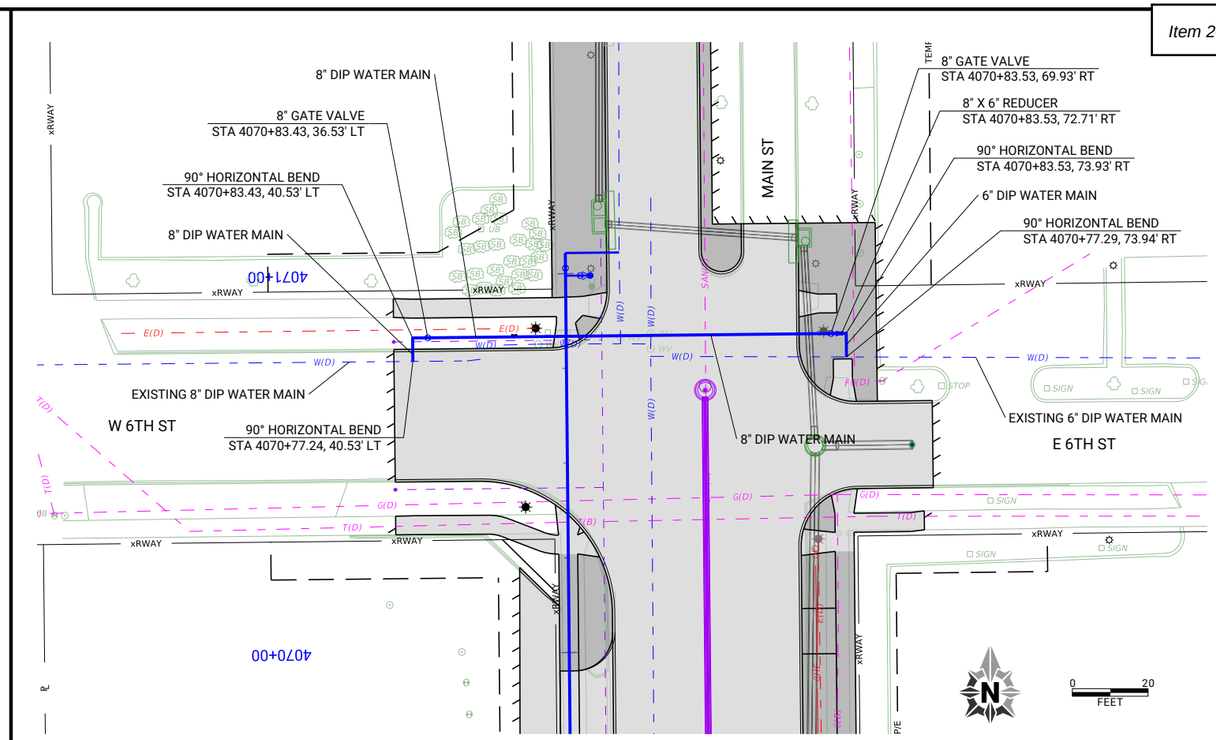

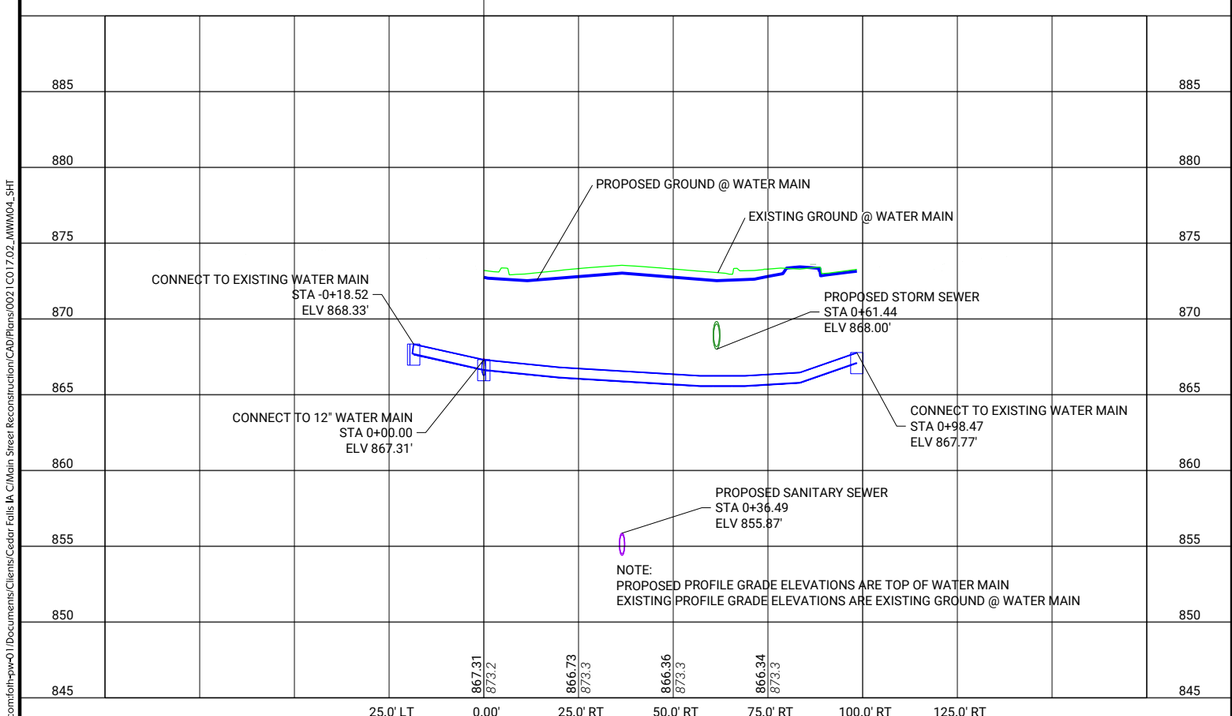

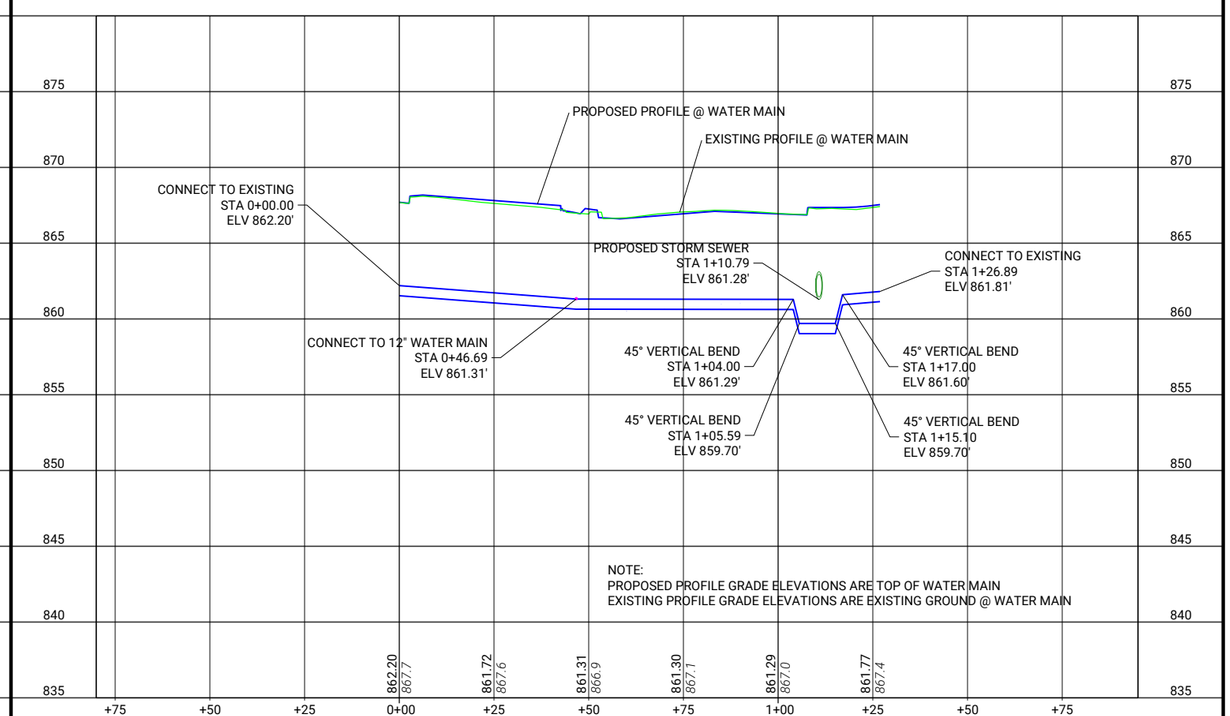

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

6TH AND 7TH STREET
WATER MAIN PLAN AND PROFILE

SHEET NO.
MWM.22

STBG-SWAP-1185(657

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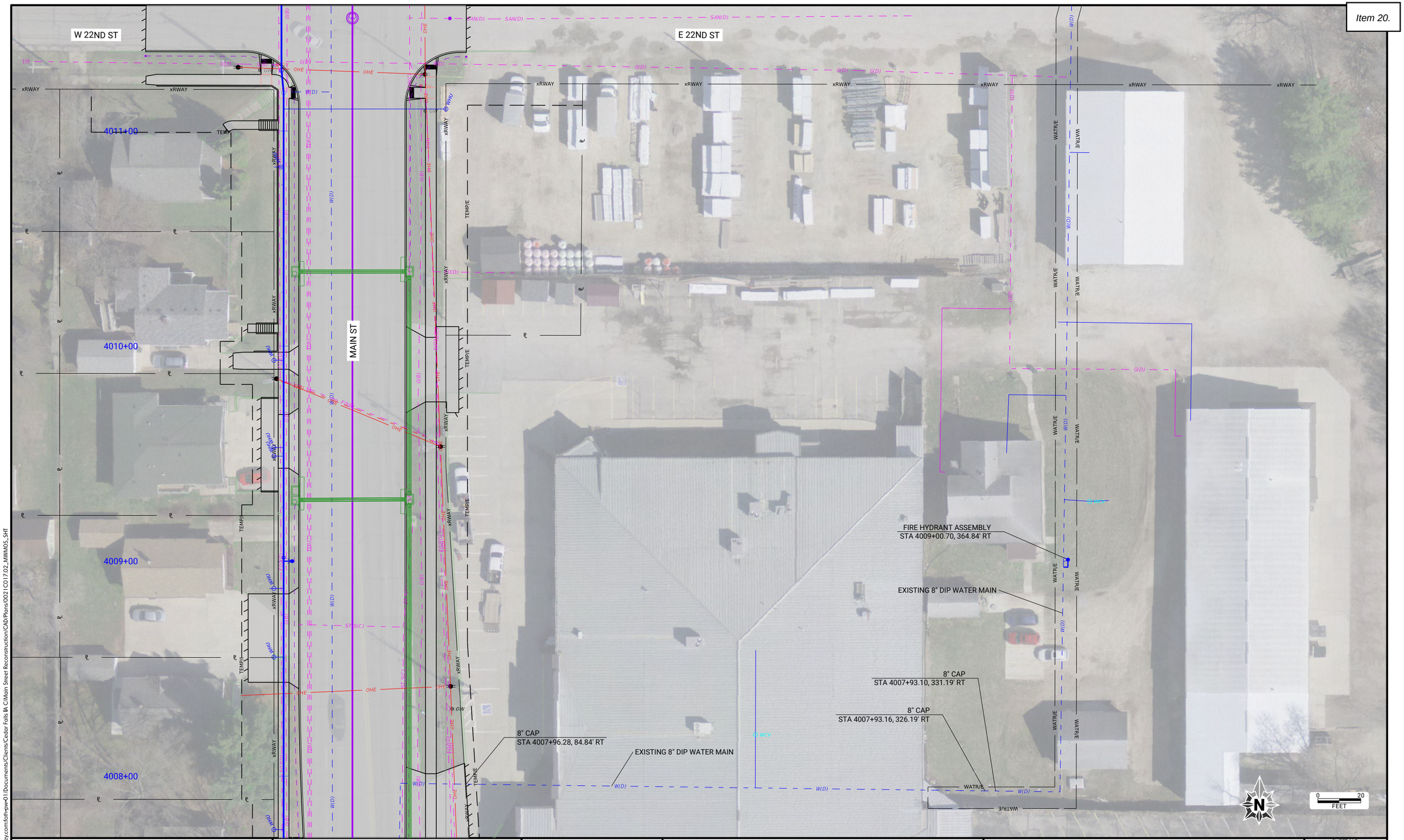

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
WATER MAIN CAP AND HYDRANT INSTALLATION

SHEET NO.
MWM.23
STBG-SWAP-1185(657

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ESTIMATE OF TRAFFIC SIGNAL QUANTITIES

ITEM	DESCRIPTION	UNITS	MAIN STREET & 6TH	MAIN STREET PED RRFB	MAIN STREET & 18TH
1	COMBINATION MAST ARM SIGNAL AND LIGHTING POLE, 20'	EA	1		
2	COMBINATION MAST ARM SIGNAL AND LIGHTING POLE, 25'	EA	1		
3	COMBINATION MAST ARM SIGNAL AND LIGHTING POLE, 30'	EA	1		
4	COMBINATION MAST ARM SIGNAL AND LIGHTING POLE, 35'	EA	1		
5	PUSHBUTTON POLE	EA	2		
6	SIGNAL FACE, 3-SECTION HEAD WITH TUNNEL VISORS, 12" LED WITH BACKPLATE (RED, YELLOW, GREEN)	EA	7		
7	SIGNAL FACE, 4-SECTION HEAD WITH TUNNEL VISORS, 12" LED WITH BACKPLATE (LT RED ARROW, LT YELLOW ARROW, LT FLASHING YELLOW ARROW, LT GREEN ARROW)	EA	1		
8	SIGNAL FACE, 5-SECTION HEAD WITH TUNNEL VISORS, 12" LED WITH BACKPLATE (RED, YELLOW, GREEN, RT YELLOW ARROW, RT GREEN ARROW)	EA	1		
9	LED PEDESTRIAN SIGNAL HEAD W/ COUNTDOWN	EA	8		
10	RECTANGULAR RAPID FLASHING BEACON ASSEMBLY	EA		1	
11	RECTANGULAR RAPID FLASHING BEACON ASSEMBLY (DUAL SIDED)	EA		2	
12	EMERGENCY VEHICLE WARNING ASSEMBLY	EA			4
13	PEDESTRIAN SIGNAL PUSHBUTTON (ADA)	EA	8		
14	HANDHOLE - CONC, 24" (TYPE I)	EA	3		
15	HANDHOLE - TUB, 30" x 48" (TYPE IV)	EA	1		
16	SIGNAL CONTROLLER, CABINET, AND ACCESSORIES	EA	1		
17	EMEREGENCY VEHICLE PREMPTION	EA	4		
18	BATTERY BACKUP SYSTEM	EA	1		
19	VIDEO DETECTION SYSTEM	LS	1		
20	2" CONDUIT	LF	395		
21	3" CONDUIT	L.F	415		
22	12c #14 TRAFFIC SIGNAL CABLE (SIG)	L.F	510		
23	7c #14 TRAFFIC SIGNAL CABLE (SIG)	L.F	50		
24	5c #14 TRAFFIC SIGNAL CABLE (SIG)	L.F	425		
25	2c #14 PB LEAD IN CABLE (PB)	L.F	1100		
26	1c #10 LUMINAIRE POWER CABLE (STLT)	L.F	835		
27	1 CAT5 e (VID)	L.F	205		
28	2 CAT5 e (DET)	L.F	140		
29	3c (EVP)	L.F	710		
30	2c (EVP)	L.F	710		
31	1c #6 COATED GROUNDING WIRE (GR)	L.F	650		
32	1c #10 TRACER WIRE	L.F	650		
33	PULL ROPE	L.F	650		
34	1c #6 POWER CABLE	L.F	500		
35	RM-40 TYPE L-1	EA	4		
36	RM-40 TYPE L-2	EA	4		
37	RM-40 TYPE Y-1	EA	3		
38	RM-40 TYPE Y-2	EA	3		
39	TRAFFIC SIGN: R3-5R	EA	1		
40	TRAFFIC SIGN: R10-SPECIAL (30"X36")	EA	1		
41	TRAFFIC SIGN: R10-3L	EA	4		
42	TRAFFIC SIGN: R10-3R	EA	4		
43	TRAFFIC SIGN: STREET NAME 54"x18" GREEN BACKGROUND	EA	2		
44	TRAFFIC SIGN: STREET NAME 66"x18" GREEN BACKGROUND	EA	2		
45	CONCRETE MAST ARM SIGNAL POLE FOOTING 3'X12'	EA	4		
46	CONCRETE PEDESTAL POLE FOOTING	EA	2		
47	CONCRETE PUSHBUTTON POLE FOOTING	EA	2		
48	CONCRETE CABINET FOOTING	EA	1		
49	DECORATIVE LUMINAIRE HEAD	EA	8		
50	POST FOR SIGNS, STEEL	EA		48	
51	ANCHOR POST, STEEL	EA		4	
52	REINSTALL CAMERA	EA	1		
53	VEHICLE DETECTION SYSTEM	LS	1		

TRAFFIC SIGNAL GENERAL NOTES

1. ALL QUANTITIES SHOWN IN THE TRAFFIC SIGNAL PLANS AND SPECIFICATIONS ARE FOR INFORMATIONAL AND ESTIMATING PURPOSES ONLY. THE CONTRACTOR'S LUMP SUM TRAFFIC SIGNALIZATION BID ITEM SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIAL NECESSARY TO PROVIDE A COMPLETE AND FUNCTIONAL TRAFFIC SIGNAL INSTALLATION IN CONFORMANCE WITH THE PLANS AND SPECIFICATIONS.
2. PROVIDE TRAFFIC CONTROL DEVICES AS REQUIRED TO FACILITATE CONSTRUCTION OF TRAFFIC SIGNALS IN ACCORDANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, AS ADOPTED PER THE DEPARTMENT PER 761 OF THE IOWA ADMINISTRATIVE CODE (IAC), CHAPTER 130.
3. THE PLAN LOCATIONS OF UNDERGROUND UTILITIES ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO STARTING ANY EXCAVATION ON THE PROJECT TO ESTABLISH LOCATIONS.
4. THE LOCATIONS OF ALL FOOTINGS, HANDHOLES AND CONDUIT ARE APPROXIMATE ONLY AND ARE SUBJECT TO ADJUSTMENT IN THE FIELD BY THE ENGINEER.
5. INSTALL PEDESTRIAN PUSHBUTTON SIGNS (R10-3E) ABOVE EACH PEDESTRIAN PUSHBUTTON.
6. INSTALL ONE SIGNAL CABLE FROM EACH SIGNAL HEAD TO THE BASE OF THE POLE. A 5-CONDUCTOR CABLE SHALL BE USED IN THE POLES FOR 3-SECTION VEHICLE SIGNAL HEADS AND PEDESTRIAN SIGNAL HEADS. A 7-CONDUCTOR CABLE SHALL BE USED IN THE POLES FOR A 4-SECTION AND 5-SECTION VEHICLE HEADS. ALL SIGNAL CABLE SHALL BE #14 AWG UNLESS OTHERWISE NOTED ON THE PLANS.
7. INSTALL A #6 A.W.G. GREEN COATED COPPER GROUND WIRE BETWEEN THE GROUND RODS IN THE SIGNAL FOOTINGS AND THE CONTROLLER CABINET TO FORM A CONTINUOUSLY GROUNDED SYSTEM. THE GROUND WIRE SHALL BE INSTALLED IN ALL CONDUITS.
8. THE CONTRACTOR SHALL USE CARE WHEN WRAPPING SIGNAL CABLE SLACK ON HANDHOLE HOOKS SO AS TO NOT WRAP THE CABLE SO TIGHTLY THAT CITY PERSONEL CAN NOT REMOVE THE CABLE FROM THE HOOKS WITHOUT UNWRAPPING THE CABLE.
9. ROADWAY GEOMETRICS REPRESENT EXISTING/PROPOSED FEATURES.
10. PROVIDE 48 HOURS NOTICE TO THE CITY OF CEDAR FALLS BEFORE MODIFYING EXISTING TRAFFIC SIGNALS OR PLACING PERMANENT TRAFFIC SIGNALS INTO OPERATION.
11. TRAFFIC SIGNAL POLES SHALL BE CONTINUOUS TAPERED DESIGN.
12. INSTALL ONE (1) PULL TAPE AND TRACER WIRE IN EACH CONDUIT PER SPECIFICATIONS. THE PULL TAPE TERMINATES IN THE CABINET. THE TRACER WIRE AND A SHORT LENGTH OR GROUND WIRE WILL TERMINATE IN A LOCATE BOX TO BE INSTALLED OUTSIDE OF THE CABINET. SEE SUPPLEMENTAL SPECIFICATIONS FOR DETAILS.
13. THE CONTROLLER ADDRESSES WILL BE PROVIDED BY THE CITY PRIOR TO SIGNAL TURN-ON.
14. CONTRACTOR IS RESPONSIBLE FOR COORDINATING POWER SERVICE LOCATIONS WITH CEDAR FALLS UTILITIES PRIOR TO CONDUIT/CIRCUIT INSTALLATION.
15. THE CONTRACTOR SHALL HAVE AN EMPLOYEE ON THE PROJECT WITH A LEVEL II INTERNATIONAL MUNICIPAL SIGNAL ASSOCIATION (IMSA) TRAFFIC SIGNAL TECHNICIAN CERTIFICATION.
16. UNLESS OTHERWISE DIRECTED, TRAFFIC SIGNAL HEADS ON MAST ARMS SHALL BE ALIGNED OVER THE CENTER OF INTERSECTION APPROACH LANES. APPROXIMATE TRAFFIC SIGNAL HEAD LOCATIONS ON MAST ARM ARE SHOWN ON POLE DETAIL SHEET. CONTRACTOR SHALL COORDINATE WITH CITY PROJECT ENGINEER TO DETERMINE PLACEMENT IN FIELD.
17. SIGNAL WIRING SHALL ONLY BE SPLICED IN POLE BASES OR SIGNAL CABINETS. USE SILICONE-FILLED WIRE NUTS FOR ALL SIGNAL WIRE CONNECTIONS.
18. ALL SIGNS SHOWN ON "N" SHEETS WILL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
19. LOCATION OF THE CONDUIT SYSTEMS AND HANDHOLES ON THE PLANS BY THE ENGINEER HAS BEEN PERFORMED WITHOUT FULL CONSIDERATION OF EXISTING GROUND UTILITIES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ANY CONFLICTS WITH UTILITIES AT SITES IN THE FIELD PRIOR TO INITIATION OF CONSTRUCTION AT THAT SITE. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE ENGINEER UPON DETERMINATION OF ANY UTILITY CONFLICT.
20. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL NEW CONDUITS UNTIL PROJECT ACCEPTANCE.
21. THE MINIMUM BENDING RADIUS OF THE CONDUIT SYSTEM SHALL BE THE LARGER OF THE MANUFACTURER'S RECOMMENDATIONS OR NATIONAL ELECTRICAL CODE (NEC) REQUIREMENTS.
22. ALL VEHICLE AND PEDESTRIAN INDICATIONS SHALL BE LED IN ACCORDANCE WITH THE MOST RECENT ITE SPECIFICATIONS. ALL PEDESTRIAN INDICATIONS SHALL INCLUDE COUNTDOWN TIMER FEATURE.
23. ALL OVERHEAD-MOUNTED TRAFFIC SIGNAL HEADS SHALL BE FURNISHED WITH BACKPLATES. TRAFFIC SIGNAL HEAD COLOR SHALL HAVE BLACK FACES, VISORS, BODIES AND BACKPLATES.
24. THE TRAFFIC SIGNAL CONTROLLER SHALL BE ORIENTED WITH THE BACK OF THE CABINET TOWARD THE INTERSECTION SUCH THAT THE SIGNAL HEADS CAN BE VIEWED WHILE FACING THE CONTROLLERS UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER.
25. THE CONTRACTOR HAS THE OPTION TO BORE OR TRENCH CONDUIT; HOWEVER, CONDUIT SHALL BE BORED UNDER PAVEMENT ALREADY PLACED. PAVEMENT SHALL NOT BE DISTURBED BY CONSTRUCTION.
26. CONTRACTOR SHALL PERFORM COMPLETE REMOVAL OF ALL EXISTING POLES AND CONTROLLER CABINET FOOTINGS. ALL EXISTING, UNUSED HANDHOLES SHALL BE REMOVED AND FILLED.
27. THE TRAFFIC SIGNAL CONSTRUCTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST CURRENT IOWA DOT STANDARD SPECIFICATIONS SECTION 2525 EXCEPT AS MODIFIED BY THE PLANS AND SPECIFICATIONS.
28. SIGNAL, LIGHTING, AND INTERCONNECT CONDUIT SHALL BE PLACED IN THE SAME TRENCH WHERE APPLICABLE, AS INDICATED ON THE PLANS.
29. CONTRACTOR SHALL EXTEND A SPARE 2" CONDUIT FROM ALL POLE FOOTINGS AND INCLUDE 3- 2" SPARE CONDUITS IN CONTROLLER CABINET FOOTING.
30. IDENTIFY AND LABEL STREET LIGHT WIRING IN POLE BASES.
31. DETECTOR PLACEMENT IS APPROXIAMTE AND SHALL BE ADJUSTED IN THE FIELD.
32. THE LUMINAIRE WIRE SHALL RUN IN THE 2" CONDUIT ASHOWN ON THE PLANS. THE LUMINAIRE WIRE SHALL RUN SEPARATELY FROM THE SIGNAL CABLE.
33. EMERGENCY VEHICLE WARNING SYSTEM LUMP SUM ITEM SHALL INCLUDE ALL SELF CONTAINED SOLAR UNITS AND ACTIVATION PUSHBUTTON CONTROLLER. DELIVER ACTIVATION CONTROLLER TO 1718 S MAIN STREET.
34. CAMERA REINSTALLATION INCLUDES ALL LABOR AND MATERIALS TO REINSTALL CAMERA AND REESTABLISH FIBER CONNECTION. CONTRACTOR SHALL REUSE FIBER DISTRIBUTIONA PANEL AND FIBER NETWORK SWITCH.
35. THE CONTROLLER SHALL BE NTCIP COMPLIANT AND ETHERNET READY.
36. ALL WORK SHALL INCLUDE RESTORATION OF ANY DISTURBED AREAS TO PRE-CONSTRUCTION CONDITIONS (OR BETTER) AS DIRECTED BY THE ENGINEER.
37. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR ANY EXISTING CONDUIT, CONDUCTORS, OR OTHER FACILITIES DAMAGED DURING CONSTRUCTION. ALL EXISTING INFRASTRUCTURE REMOVED OR DAMAGED BY THE CONTRACTOR SHALL BE REPLACED IN KIND BY THE CONTRACTOR WITH NO ADDITIONAL COMPENSATION.
38. ALL TRAFFIC SIGNAL HANDHOLES SHALL HAVE THE LOGO "TRAFFIC SIGNAL".

SIGNAL LEGEND

SYMBOL	DESCRIPTION
	POWER SOURCE
	CABINET AND CONTROLLER
1	TRAFFIC SIGNAL POLE, FOOTING SYMBOL, AND IDENTIFYING NUMBER
3	PEDESTAL POLE, FOOTING SYMBOL, AND IDENTIFYING NUMBER
1	WOODEN SIGNAL POLE AND IDENTIFYING NUMBER
81	TRAFFIC SIGNAL HEAD WITH BACKPLATE SYMBOL AND IDENTIFYING NUMBER
23	TRAFFIC SIGNAL HEAD SYMBOL AND IDENTIFYING NUMBER
25	PEDESTRIAN HEAD SYMBOL AND IDENTIFYING NUMBER
2A	PEDESTRIAN PUSHBUTTON IDENTIFYING NUMBER
C	MAST ARM MOUNTED SIGN SYMBOL AND IDENTIFYING NUMBER
	VIDEO DETECTION CAMERA
	PTZ CAMERA
	MICROWAVE DETECTOR
	EMERGENCY VEHICLE PREEMPTION
	LUMINAIRE (6' ARM LENGTH)
	DECORATIVE LUMINAIRE (1' ARM LENGTH)
31	DETECTOR LOOP SYMBOL AND IDENTIFYING NUMBER
42	VIDEO DETECTION AREA SYMBOL AND IDENTIFYING NUMBER
4	24" HANDHOLE (TYPE I) SYMBOL AND IDENTIFYING NUMBER
1	30"x48" "TUB" HANDHOLE (TYPE IV) SYMBOL AND IDENTIFYING NUMBER
	EXISTING "TUB" HANDHOLE
— - — -	PROPOSED SIGNAL CONDUIT
— - — -	EXISTING SIGNAL CONDUIT
— - — -	PROPOSED FIBER INTERCONNECT CONDUIT

TRAFFIC SIGNAL EQUIPMENT		
EQUIPMENT	MANUFACTURER	MODEL
CONTROLLER	ECONOLITE	COBALT
CABINET	ECONOLITE	TS-2
DETECTION	MIOVISION	SMART SENSE
CAMERA	AVIGILON	32C-H4A-4MH-360
PRE-EMPTION		
PROCESSOR	TOMAR	STROBECOM 2-2070
SENSOR	TOMAR	4090-1 SD
LUMINAIRE HEAD	RAB	HID-50-EX39-840-BYP-A-DJ

LICENSED PROFESSIONAL ENGINEER
JACOB S. WILLIAMS
25763
IOWA

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

9/1/2022
DATE

JACOB S. WILLIAMS, P.E.
License Number: 25763
My license renewal date is DECEMBER 31, 2023
Pages or sheets covered by this seal:
N.1-N.14

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: CHECKED BY: DRAWN BY:
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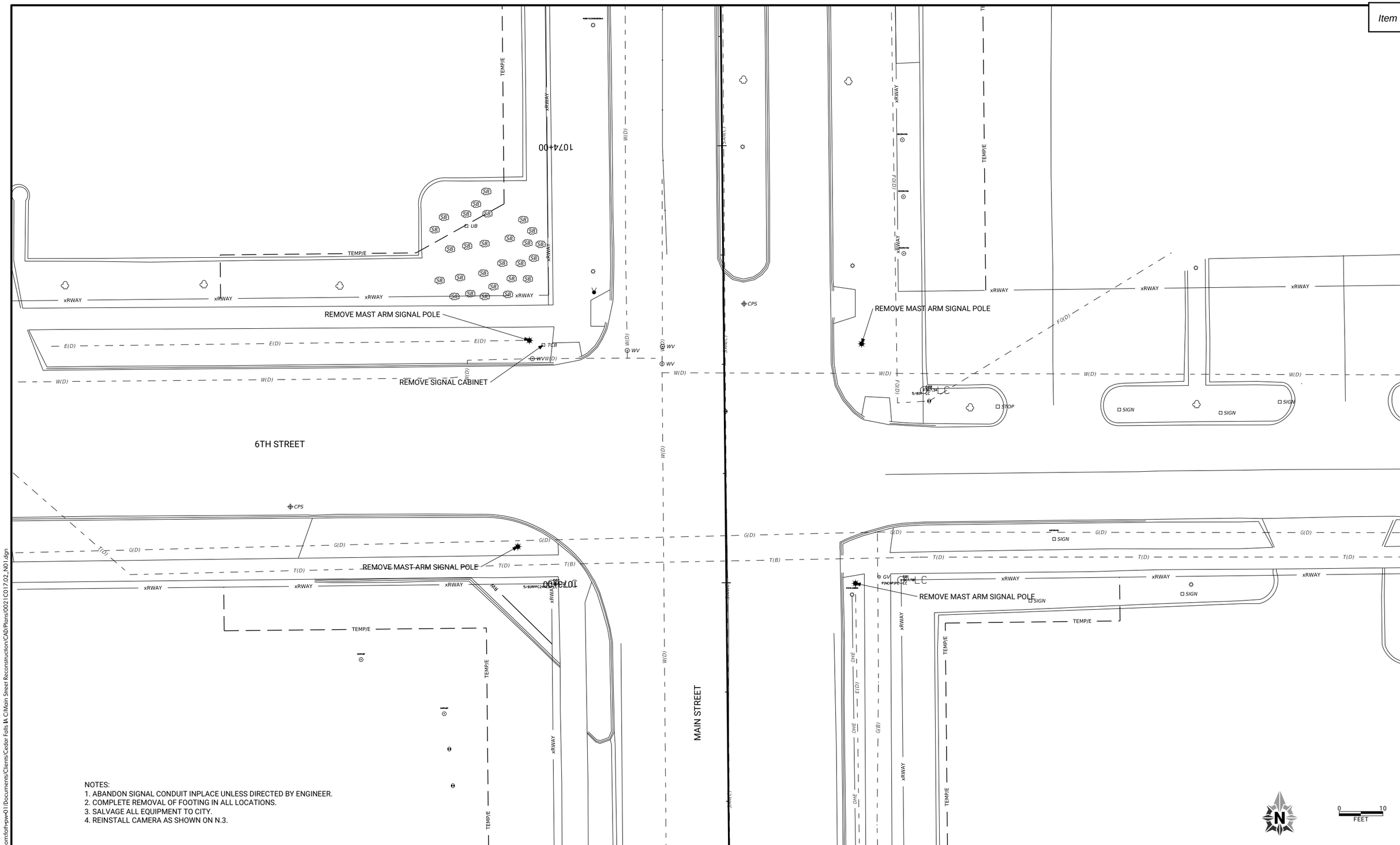
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

GENERAL NOTES AND QUANTITIES

SHEET NO.
N.1

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Falls IA C/Main Street Reconstruction/CAD/Plans/0021C017.02_N01.dgn



NOTES:
1. ABANDON SIGNAL CONDUIT INPLACE UNLESS DIRECTED BY ENGINEER.
2. COMPLETE REMOVAL OF FOOTING IN ALL LOCATIONS.
3. SALVAGE ALL EQUIPMENT TO CITY.
4. REINSTALL CAMERA AS SHOWN ON N.3.

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN ST AND 6TH ST INTERSECTION
TRAFFIC SIGNAL REMOVALS

SHEET NO.
N.2
STBG-SWAP-1185(657

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TRAFFIC SIGNS

(A)

MAIN ST

54x18"
(2-REQ'D)
GREEN BACKGROUND
W/WHITE LETTERS

(B)

W 6th ST E

66"x18"
(1-REQ'D)
GREEN BACKGROUND
W/WHITE LETTERS

(C)

E 6th ST W

66"x18"
(1-REQ'D)
GREEN BACKGROUND
W/WHITE LETTERS

(D)

LEFT TURN
YIELD
ON FLASHING
YELLOW

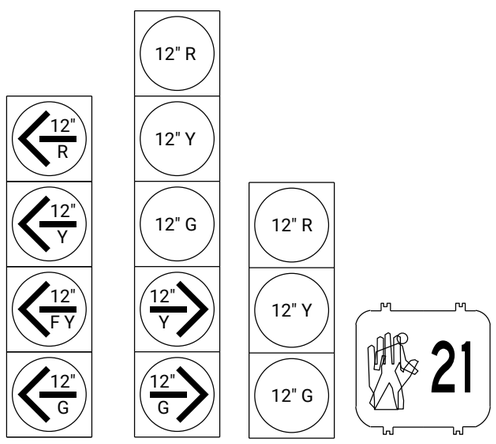
R10-SPECIAL
30"X36"
(1-REQ'D)

(E)

ONLY

R3-5R
30"X36"
(1-REQ'D)

TRAFFIC SIGNAL FACES

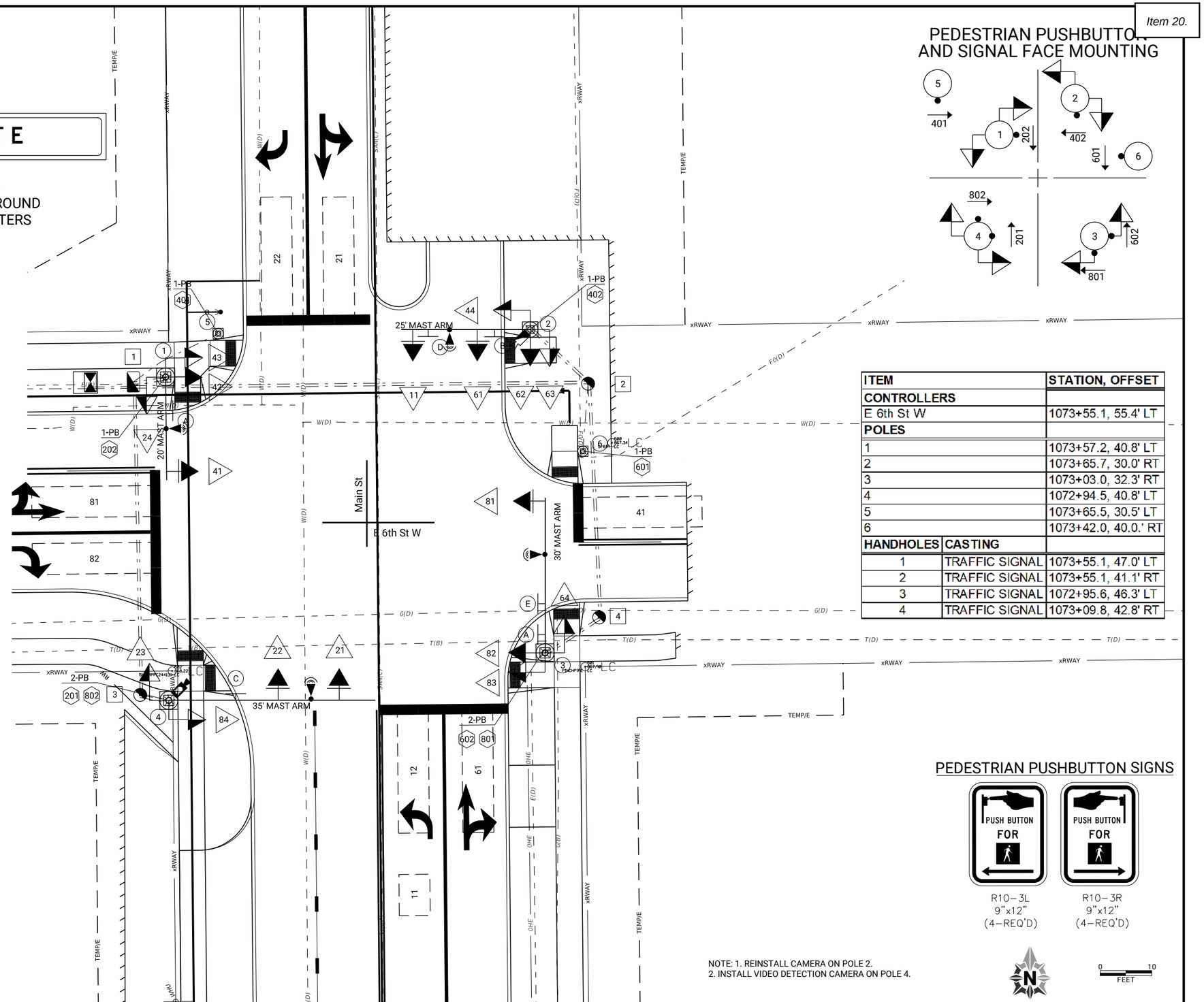


NO. 11
(1-REQ'D)

NO. 82
(1-REQ'D)

NO. 21,22,
41,42,61
62,81
(7-REQ'D)

NO. 23,24,43
44,63,64,83,84
(8-REQ'D)



PEDESTRIAN PUSHBUTTON AND SIGNAL FACE MOUNTING

ITEM		STATION, OFFSET
CONTROLLERS		
E 6th St W		1073+55.1, 55.4' LT
POLES		
1		1073+57.2, 40.8' LT
2		1073+65.7, 30.0' RT
3		1073+03.0, 32.3' RT
4		1072+94.5, 40.8' LT
5		1073+65.5, 30.5' LT
6		1073+42.0, 40.0.' RT
HANDHOLES	CASTING	
1	TRAFFIC SIGNAL	1073+55.1, 47.0' LT
2	TRAFFIC SIGNAL	1073+55.1, 41.1' RT
3	TRAFFIC SIGNAL	1072+95.6, 46.3' LT
4	TRAFFIC SIGNAL	1073+09.8, 42.8' RT

PEDESTRIAN PUSHBUTTON SIGNS

R10-3L
9"x12"
(4-REQ'D)

R10-3R
9"x12"
(4-REQ'D)

NOTE: 1. REINSTALL CAMERA ON POLE 2.
2. INSTALL VIDEO DETECTION CAMERA ON POLE 4.

0 10
FEET

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET AND 6TH STREET INTERSECTION
TRAFFIC SIGNAL LAYOUT

SHEET NO.
N.3
STBG-SWAP-1185(657

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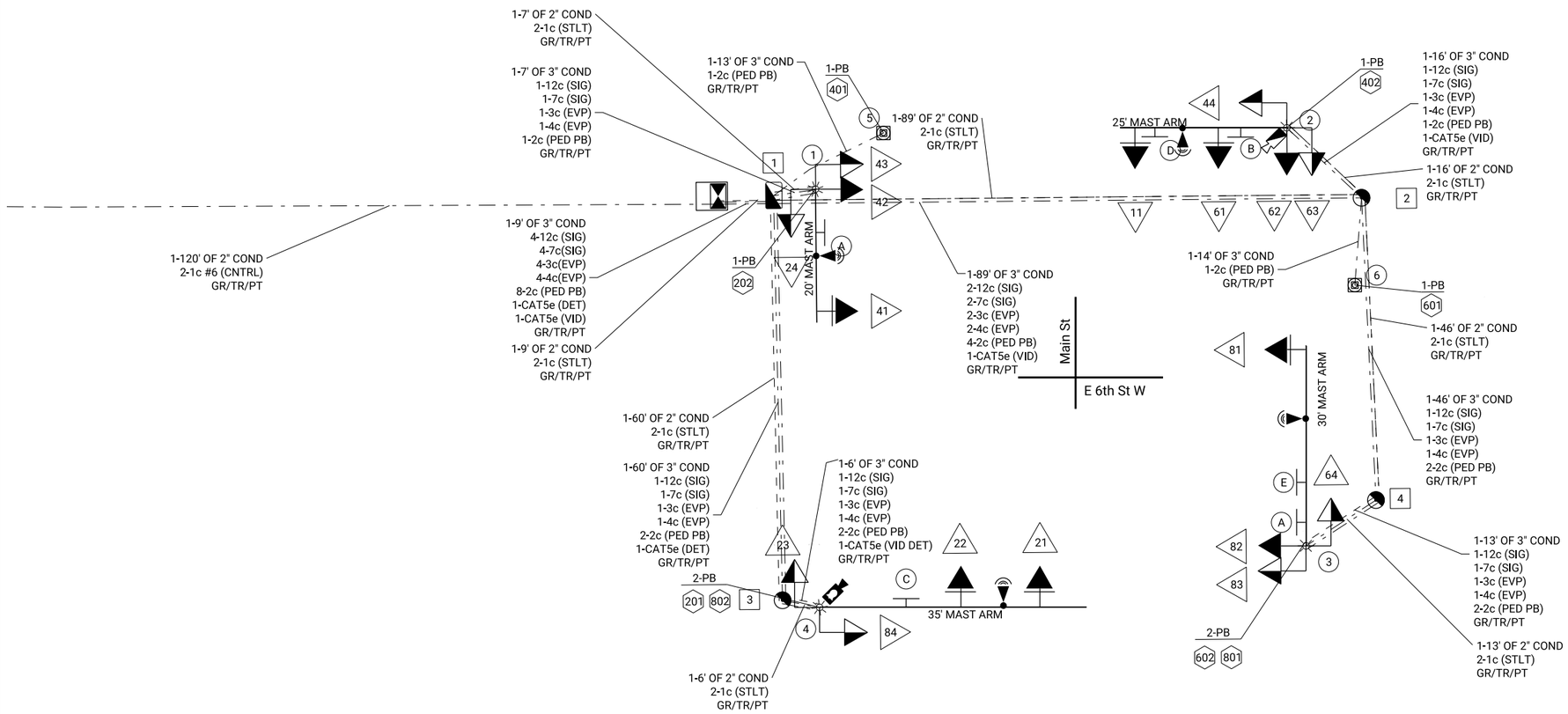
ABBREVIATIONS

SIG	SIGNAL AND PEDESTRIAN HEAD CABLE
PED PB	PEDESTRIAN PUSHBUTTON CABLE
CNTRL	SIGNAL CONTROLLER POWER CABLE
STLT	STREET LIGHT POWER CABLE
N	NEUTRAL
LN1	POWER - LINE 1
LN2	POWER - LINE 2
GR	GROUND WIRE 1c#6
TR	TRACER WIRE 1c#10
PT	PULL TAPE
Y1	FUSED WYE CONNECTOR FOR STREET LIGHTING
Y2	NON-FUSED WYE CONNECTOR FOR STREET LIGHTING
L1	FUSED IN-LINE CONNECTOR FOR STREET LIGHTING
L2	NON-FUSED IN-LINE CONNECTOR FOR STREET LIGHTING
JB	JUNCTION BOX
VIDEO COAX	VIDEO DETECTION COAXIAL CABLE
VIDEO P/F	VIDEO DETECTION POWER/FOCUS CABLE
LOOP	LOOP DETECTOR WIRE IN TUBING, 1c#14
DET	VIDEO DETECTION CABLE
FO	FIBER OPTIC CABLE
SM	SINGLE MODE FIBER OPTIC CABLE
MM	MULTIMODE FIBER OPTIC CABLE
EVP	EMERGENY VEHICLE PREEMPTION
VID	VIDEO DETECTION



NOTE: RE-ESTABLISH EXISTING FIBER CONNECTION AS PART OF CAMERA REINSTALLATION ITEM.

0 10 FEET

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET AND 6TH STREET INTERSECTION
TRAFFIC SIGNAL WIRING

SHEET NO.
N.4
STBG-SWAP-1185(657)

TRAFFIC SIGNAL POLE DATA

POLE NO.	POLE TYPE	MAST ARM LENGTH (FT.)	① TRAFFIC SIGNAL HEADS ON ARM		② TRAFFIC SIGNS ON ARM		③ VIDEO CAMERAS ON ARM		④ LUMINARE ARM				FOOTING DETAILS			MISCELLANEOUS	TOTAL QUANTITY
			QTY.	LOCATION ON ARM (FT.)	QTY.	LOCATION ON ARM (FT.)	QTY.	LOCATION ON ARM (FT.)	QTY.	SPREAD (FT.)	MOUNTING HEIGHT (FT.)	ORIENTATION (DEGREES)	DIA. (FT.)	DEPTH (FT.)	TYPE		
1	COMBINATION SIGNAL/LIGHTING	20	2	0,18	1	6.5	–	–	2	1	20	90,270	3	12	A		1
2	COMBINATION SIGNAL/LIGHTING	25	3	0,10.5,23	2	7,20	1	0	2	1	20	0,180	3	12	A		1
3	COMBINATION SIGNAL/LIGHTING	30	2	0,29.5	2	3.5,9.5	–	–	2	1	20	90,270	3	12	A		1
4	COMBINATION SIGNAL/LIGHTING	35	2	21,33	1	13	1	0	2	1	20	0,180	3	12	A		1
5	PEDESTRIAN PUSHBUTTON	–	–	–	–	–	–	–	–	–	–	–	2	3			1
6	PEDESTRIAN PUSHBUTTON	–	–	–	–	–	–	–	–	–	–	–	2	3			1

①② AND ③ LOCATION REPRESENTS APPROXIMATE LINEAR DISTANCE FROM POLE MEASURED OUTWARD TO END OF ARM.
④ ORIENTATION OF LUMINARE ARM REPRESENTS A CLOCKWISE ANGLE MEASURED FROM THE CENTERLINE OF THE MAST ARM.
⑤ UNLESS OTHERWISE DIRECTED, TRAFFIC SIGNAL HEADS ON MAST ARMS WILL BE ALIGNED OVER THE CENTER OF THE LANES. APPROXIMATE LOCATIONS ARE SHOWN ON THE TRAFFIC SIGNAL POLE DATA TABLE. THE CONTRACTOR WILL FIELD VERIFY SIGNAL HEAD LOCATIONS PRIOR TO INSTALLATION.

MAIN STREET AND 6TH STREET

PHASE SEQUENCE NOT ALLOWED	
FROM	TO
Ø2+Ø6	Ø1+Ø8
DUAL ENTRY PHASES	
Ø2+Ø6, Ø4+Ø8	

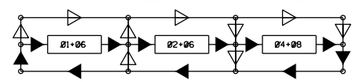
CONTROLLER/BACK PANEL DATA

PHASES USED	8
EXPANSIBLE TO:	8
MINIMUM QUANTITY OF BACK PANEL POSITIONS:	16

FLASHING OPERATION

MAIN STREET	RED
6TH STREET	RED
PEDESTRIAN	DARK

PROPOSED FLOW DIAGRAM
MAIN STREET AND 6TH STREET



INDICATES FLOW PATH WITH ALL PHASES DEMANDED

INDICATES OPTIONAL FLOW PATHS WHEN SOME PHASES ARE NOT DEMANDED AT THE SAME TIME OF RIGHT-OF-WAY TRANSFER

DETECTOR SUMMARY

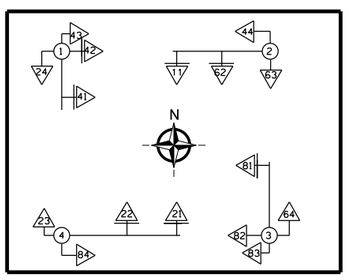
DETECTOR NUMBER	LOOP SIZE	PED. PUSH BUTTON	PHASE CALLED	DELAY TIME (SEC.)	NO. OF CHANNELS	PRESENCE MODE	IN SERIES	COMMENTS
11, 12			1			X		
21			2			X		
22			2			X		
41			4			X		
61			6			X		
81			8			X		
82			8			X		

① ZONE LIMITS ARE FOR DETECTION LIMITS ONLY. ACTUAL DETECTION AREAS FOR EACH ZONE WILL BE DETERMINED IN THE FIELD.

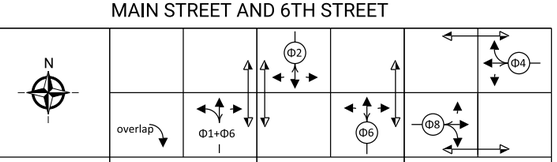
LEGEND

- ACTUATED VEHICULAR MOVEMENT
- NON-ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED VEHICULAR MOVEMENT
- ACTUATED PEDESTRIAN MOVEMENT
- NON-ACTUATED PEDESTRIAN MOVEMENT

R/W	RIGHT OF WAY INTERVAL
Ø	TRAFFIC PHASE
R	CIRCULAR RED
Y	CIRCULAR YELLOW
G	CIRCULAR GREEN
S	GREEN STRAIGHT AHEAD ARROW
~~R~~	RED LEFT ARROW
~~FY~~	FLASHING YELLOW LEFT ARROW
~~Y~~	YELLOW LEFT ARROW
~~G~~	GREEN LEFT ARROW
~~Y~~	YELLOW RIGHT ARROW
~~G~~	GREEN RIGHT ARROW
W	WALK
DW	DON'T WALK
FDW	FLASHING DON'T WALK
AØ	ALL OTHER PHASES
PR1	PREEMPT #1

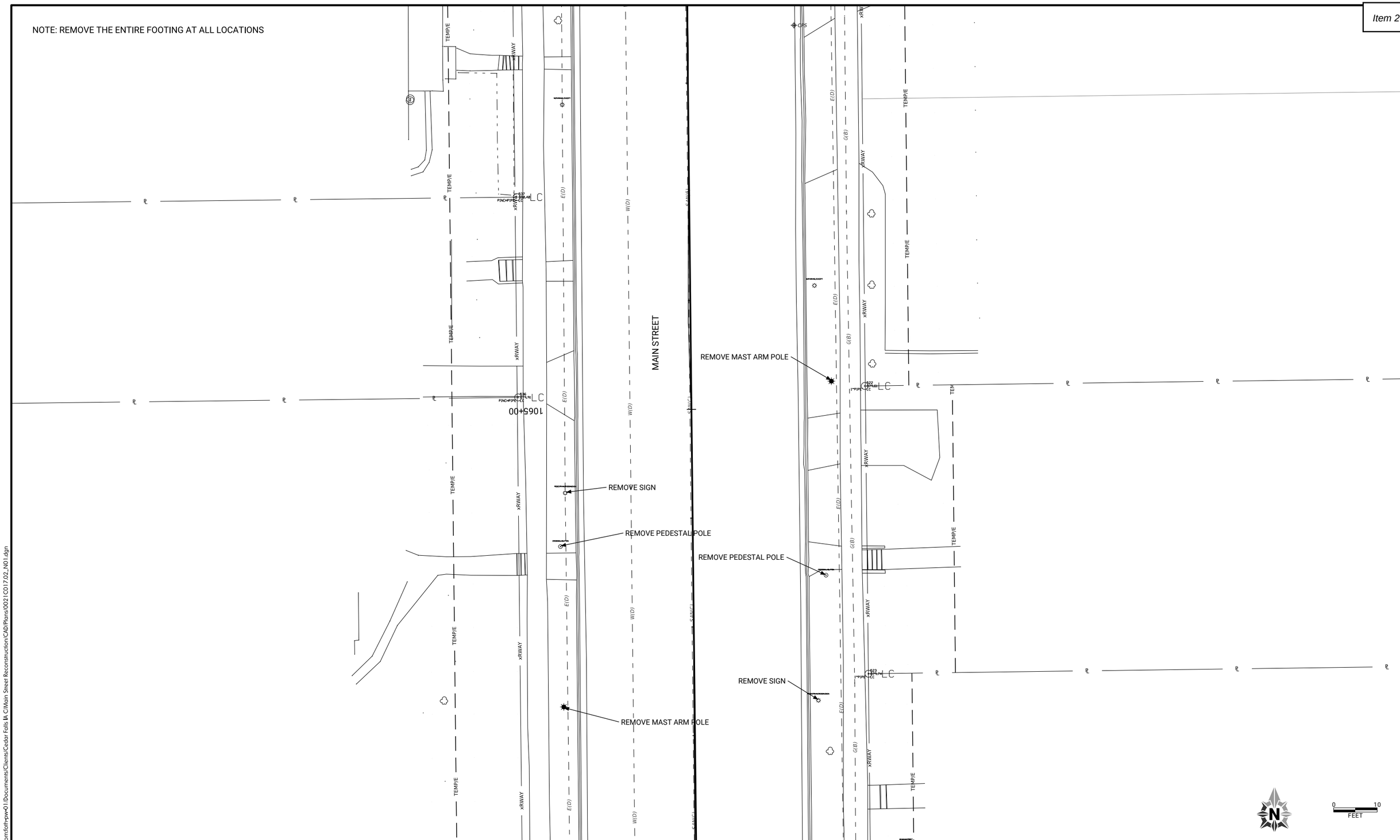


PROPOSED PHASE SEQUENCE CHART
MAIN STREET AND 6TH STREET



APPROACH	SIGNAL HEAD NO.	Ø1+Ø6 R/W	Ø1+Ø6 CLEAR TO Ø					Ø2+Ø6 R/W	Ø2+Ø6 CLEAR TO Ø					Ø4+Ø8 R/W	Ø4+Ø8 CLEAR TO Ø				
			2+6	AØ	AØ				AØ	AØ					AØ	AØ			
NORTHBOUND MAIN ST	11	~~G~~	~~Y~~	~~Y~~	~~R~~			~~FY~~	~~FY~~	~~Y~~				~~R~~	~~R~~	~~R~~			
	61	G	G	G	Y			G	G	Y				R	R	R			
	62	G	G	G	Y			G	G	Y				R	R	R			
	63,64	W	W	FDW	DW			W	FDW	DW				DW	DW	DW			
SOUTHBOUND MAIN ST	21,22	R	R	R	R			G	G	Y				R	R	R			
	23,24	DW	DW	DW	DW			W	FDW	DW				DW	DW	DW			
EASTBOUND 6TH STREET	81	R	R	R	R			R	R	R				G	G	Y			
	82	R/~~G~~	R/~~Y~~	R/~~G~~	R/~~Y~~			R	R	R				G	G	Y			
	83,84	DW	DW	DW	DW			DW	DW	DW				W	FDW	DW			
WESTBOUND 6TH STREET	41,42	R	R	R	R			R	R	R				G	G	Y			
	43,44	DW	DW	DW	DW			DW	DW	DW				W	FDW	DW			

NOTE: REMOVE THE ENTIRE FOOTING AT ALL LOCATIONS



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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET MIDBLOCK CROSSING
TRAFFIC SIGNAL REMOVALS

SHEET NO.
N.6

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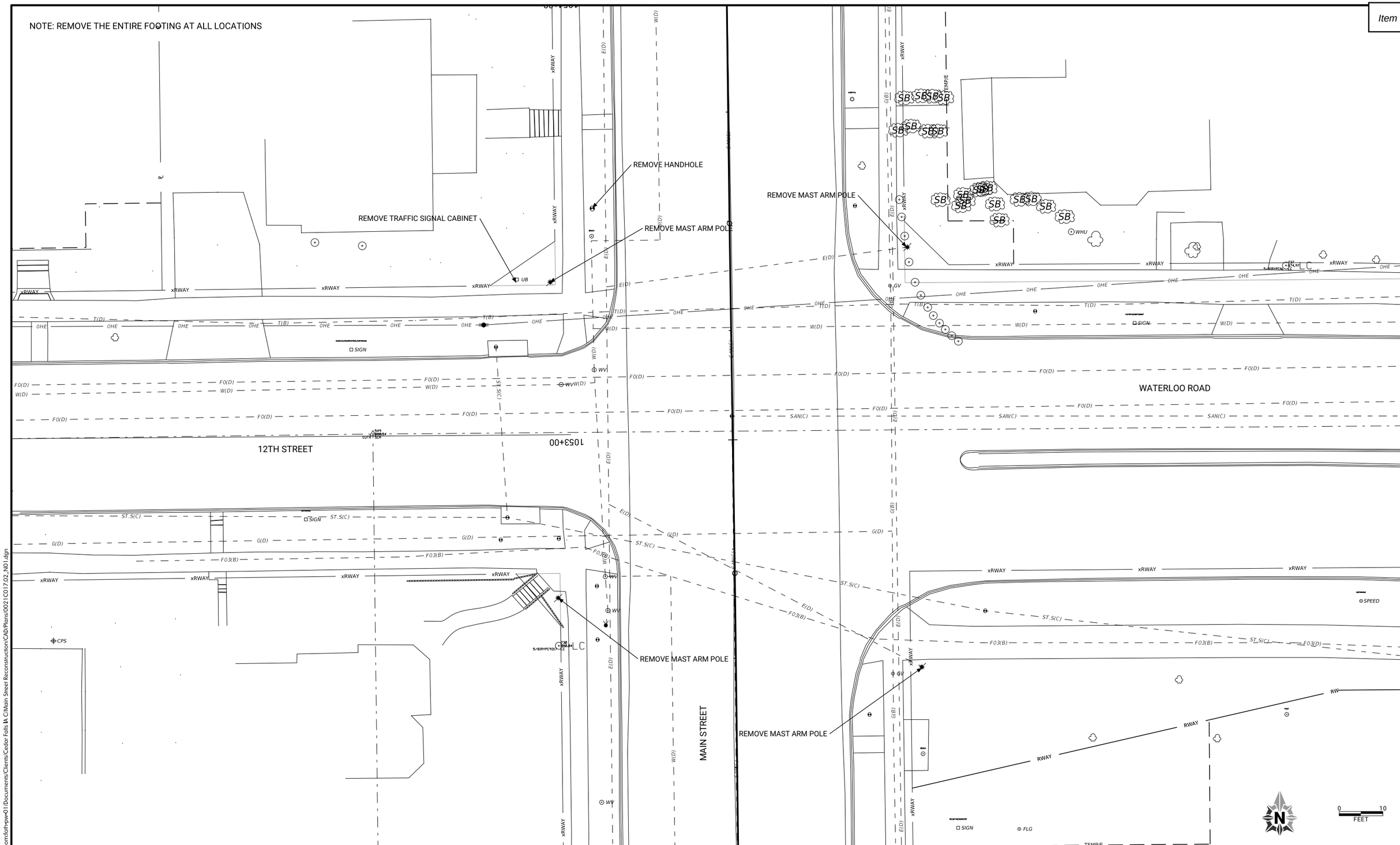
NOTE: REMOVE THE ENTIRE FOOTING AT ALL LOCATIONS



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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET AND WATERLOO ROAD INTERSECTION
TRAFFIC SIGNAL REMOVALS

SHEET NO.
N.7

STBG-SWAP-1185(657

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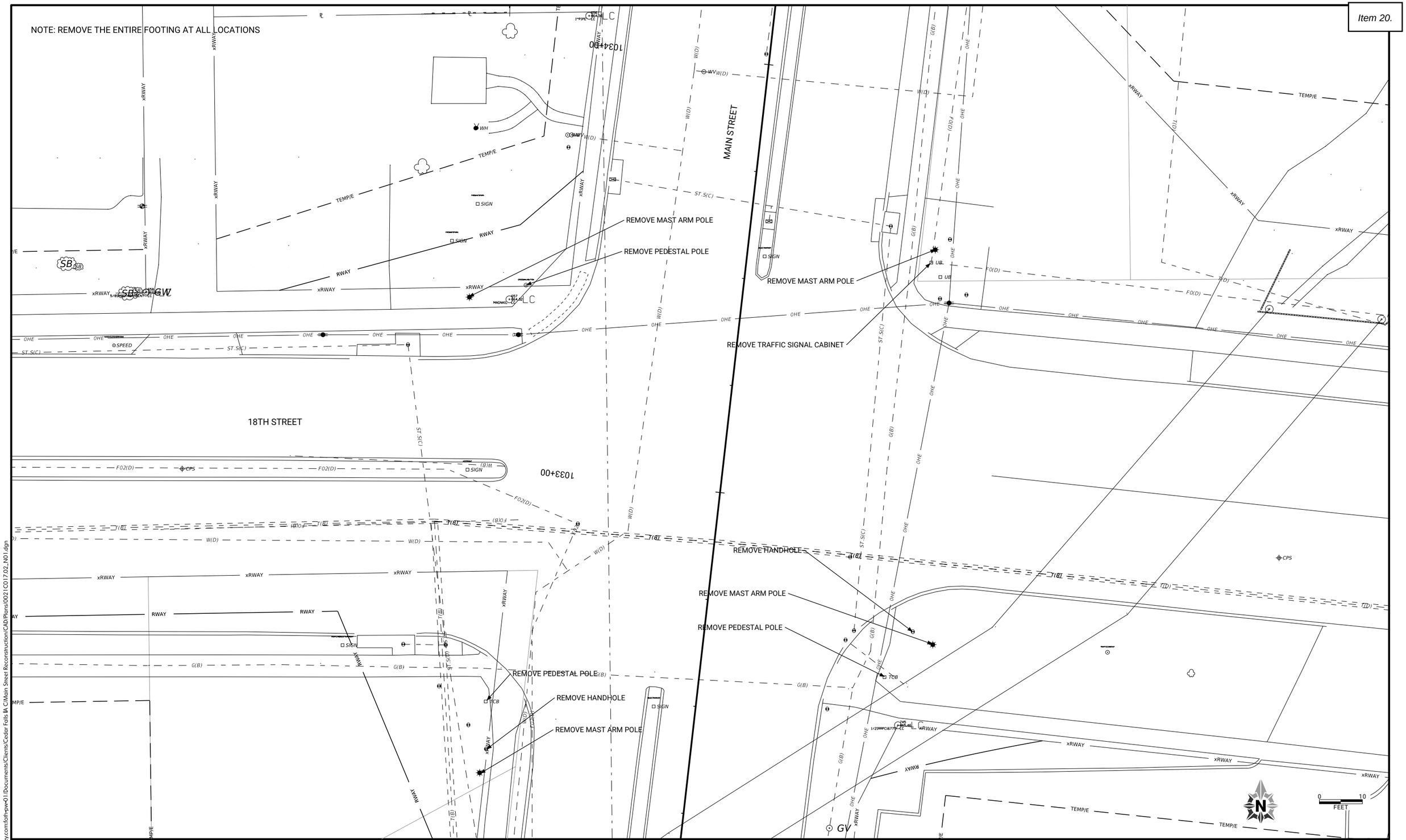

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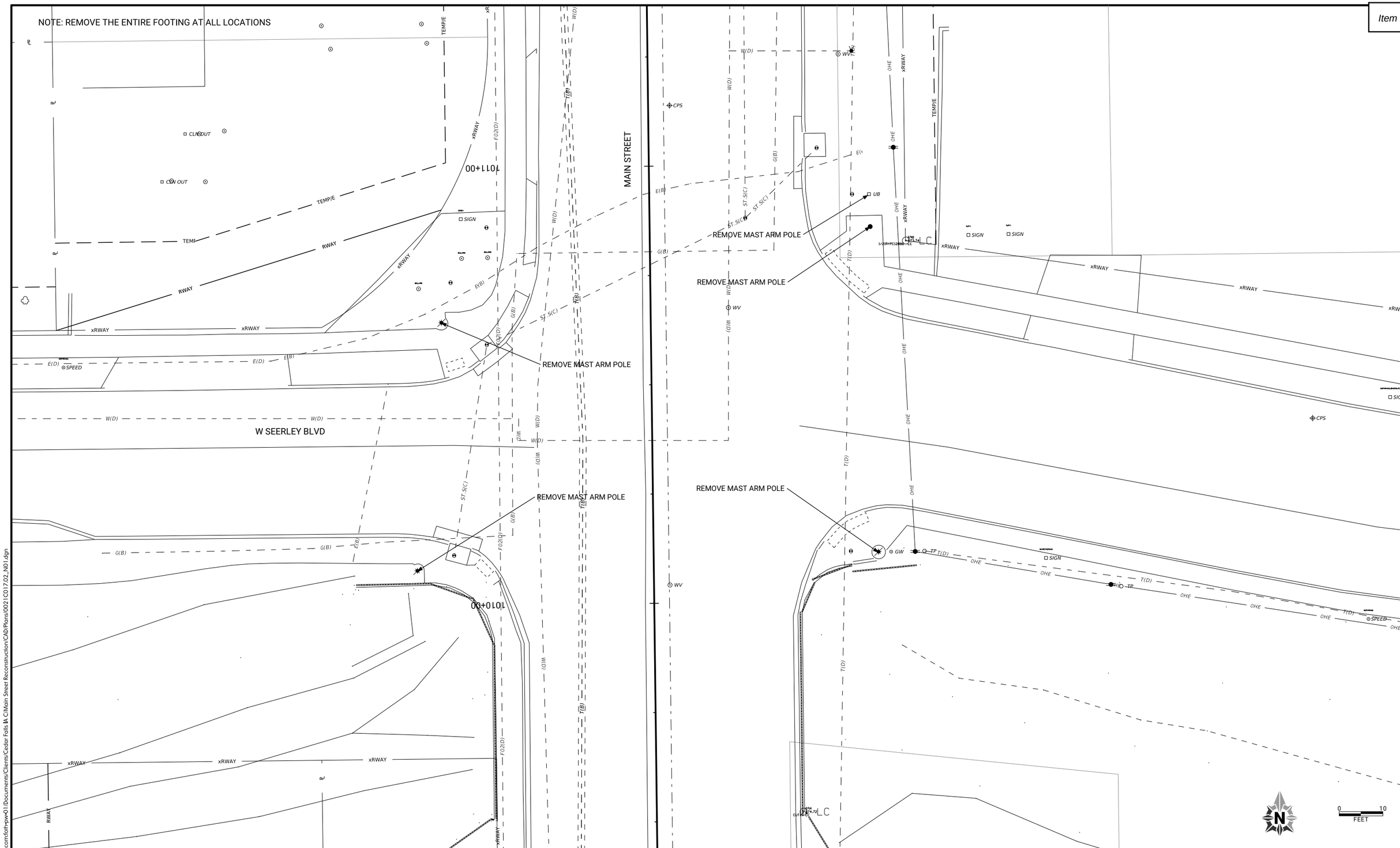
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET AND W 18TH STREET INTERSECTION
TRAFFRIC SIGNAL REMOVALS

SHEET NO.
N.8


NOTE: REMOVE THE ENTIRE FOOTING AT ALL LOCATIONS
MAIN STREET
W SEERLEY BLVD
REMOVE MAST ARM POLE
REMOVE MAST ARM POLE
REMOVE MAST ARM POLE
REMOVE MAST ARM POLE
REMOVE MAST ARM POLE
10+00
10+00
xRWAY
RWAY
TEMP/E
CLNOUT
CO OUT
SIGN
SPEED
CPS
WV
UB
GW
TP
OHE
ST S(C)
E(B)
E(D)
G(B)
W(D)
T(D)
F02(D)
T(B)
W(D)
W(D)
W(D

Ⓐ

R1-5L
18"x18"
(2-REQUIRED)

Ⓑ

R1-6
12"x36"
(2-REQUIRED)

Ⓒ

W11-2
36"x36"
(4-REQUIRED)

Ⓓ

W16-7PL
24"x12"
(2-REQUIRED)

Ⓔ

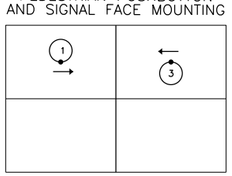
W16-7R
24"x12"
(2-REQUIRED)

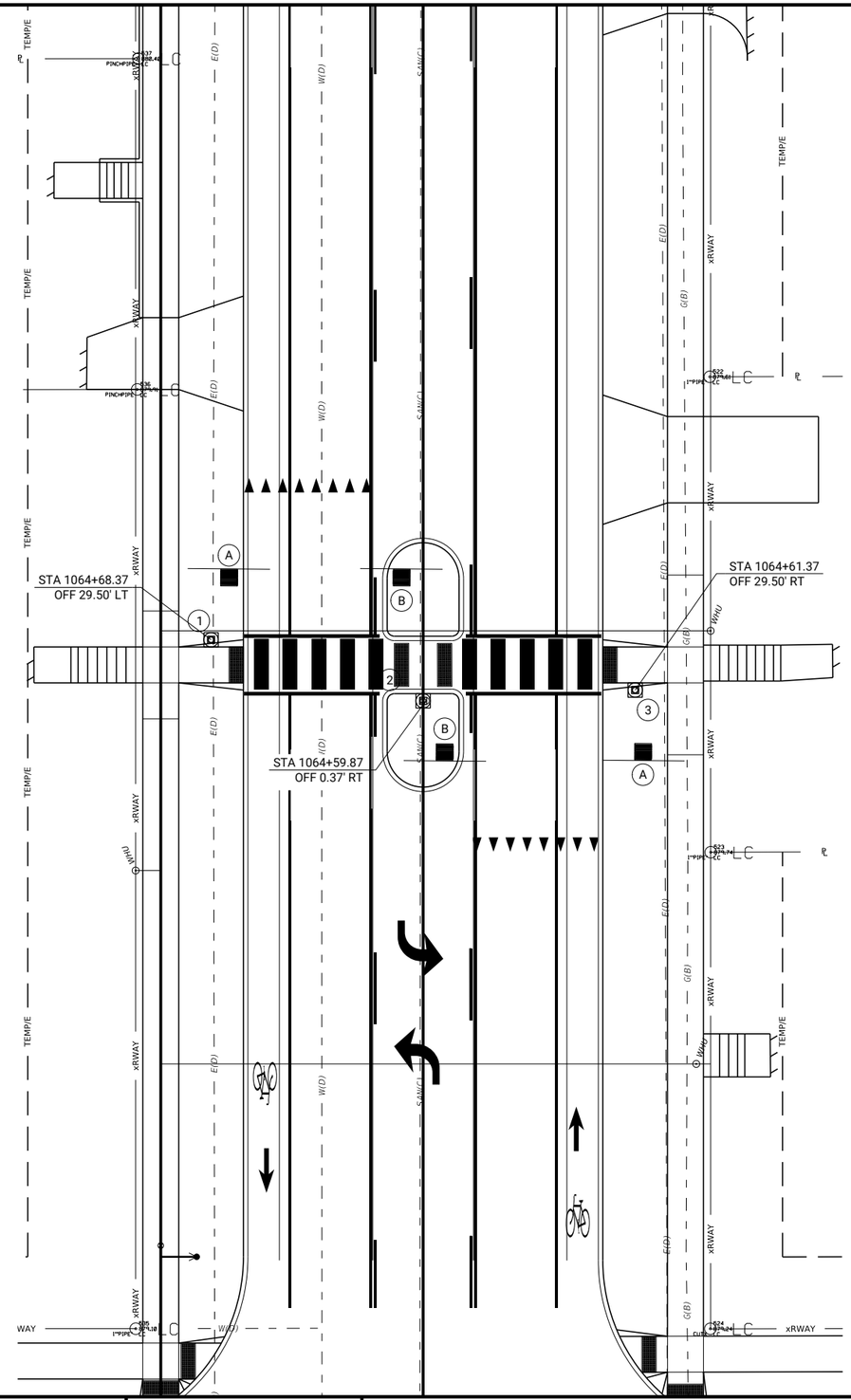
Ⓕ

R10-25
9"x12"
(2-REQUIRED)

PUSH BUTTON LAYOUT

PEDESTRIAN PUSHBUTTON
AND SIGNAL FACE MOUNTING





NOTES:

1. SEE RECTANGULAR RAPID FLASHING BEACONS DETAIL ON N.12.

2. THE RECTANGULAR RAPID FLASHING BEACONS SHALL BE FLASHING UPON ACTIVATION OF THE PUSH BUTTON FOR 22 SECONDS.

3. SIGNS W11-2 AND W16-7P SHALL BE FLUORESCENT YELLOW-GREEN IN COLOR CONFORMING TO THE 2009 MUTCD.

SIGN SCHEDULE

LOCATION/ STATION	DIR OF TRAVEL	SIGN NUMBER	ANCHOR POST, STEEL	POST FOR SIGNS (TOTAL LF)
POLE 1	NB	C,D,F	-	-
POLE 2	NB	C,E	-	-
POLE 2	SB	C,E	-	-
POLE 3	SB	C,D,F	-	-
1064+53	NB	A	1	12
1064+53	NB	B	1	12
1064+77	SB	A	1	12
1064+77	SB	B	1	12

0 10
FEET

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET MIDBLOCK CROSSING
RECTANGULAR RAPID FLASHING BEACON LAYOUT

SHEET NO.
N.10

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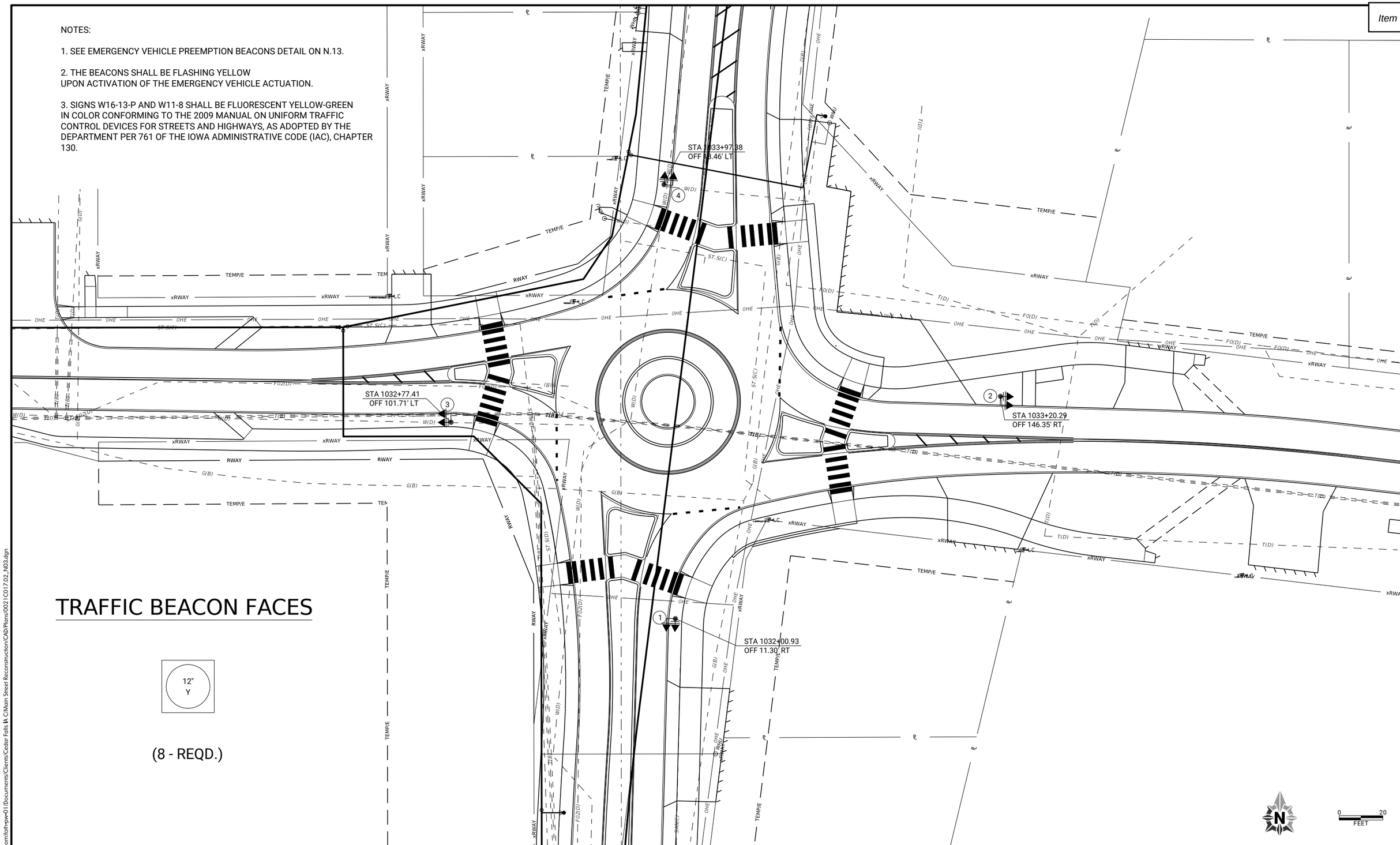
NOTES:

1. SEE EMERGENCY VEHICLE PREEMPTION BEACONS DETAIL ON N.13.

2. THE BEACONS SHALL BE FLASHING YELLOW
UPON ACTIVATION OF THE EMERGENCY VEHICLE ACTUATION.

3. SIGNS W16-13-P AND W11-8 SHALL BE FLUORESCENT YELLOW-GREEN IN COLOR CONFORMING TO THE 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, AS ADOPTED BY THE DEPARTMENT PER 761 OF THE IOWA ADMINISTRATIVE CODE (IAC), CHAPTER 130.



TRAFFIC BEACON FACES

(8 - REQD.)

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET AND 18TH STREET INTERSECTION
EMERGENCY VEHICLE PREEMPTION BEACON LAYOUT

SHEET NO.
N.11
STBG-SWAP-1185(657)

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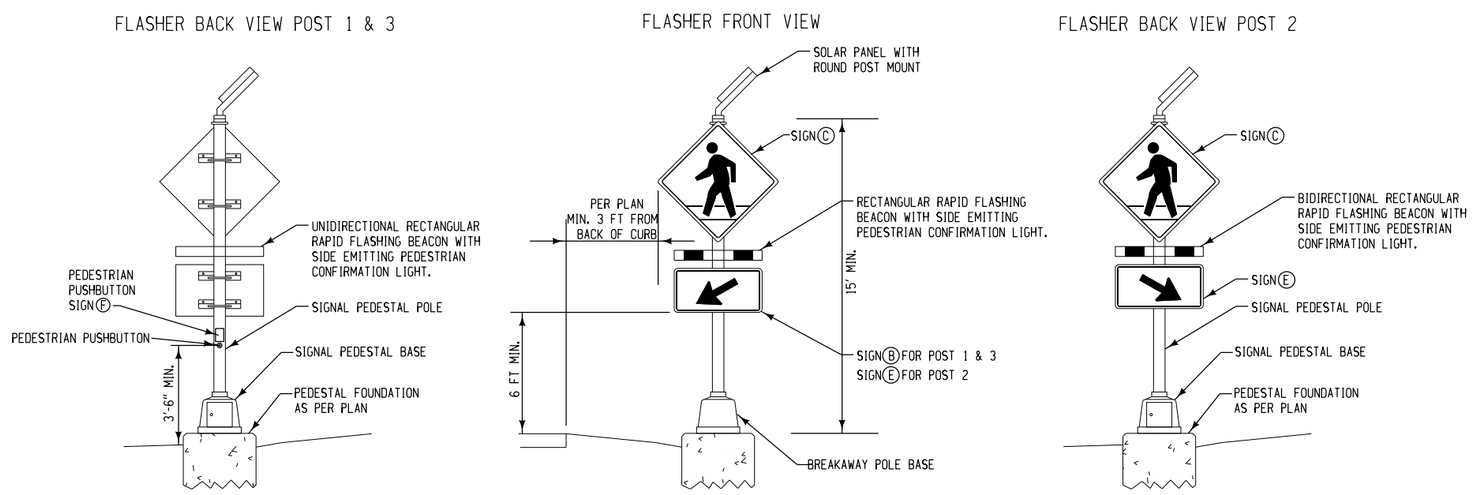

RECTANGULAR RAPID FLASHING BEACON

NOT TO SCALE

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET MIDBLOCK CROSSING
RECTANGULAR RAPID FLASH BEACON DETAILS

SHEET NO.
N.12

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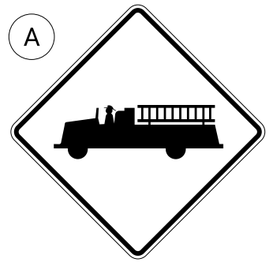
TRAFFIC SIGNS

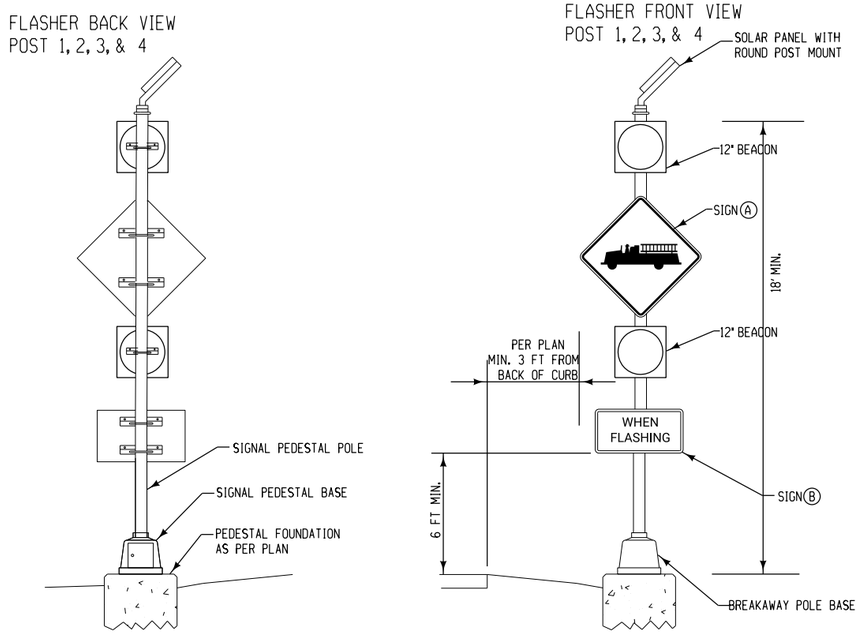
A



W-11-8
36 X 36
(4 - REQD.)

B

W16-13P
24 X 18
(4 - REQD.)



EMERGENCY VEHICLE PREEMPTION FLASHING BEACON

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET AND 18TH STREET INTERSECTION
EMERGENCY VEHICLE PREEMPTION BEACON DETAILS

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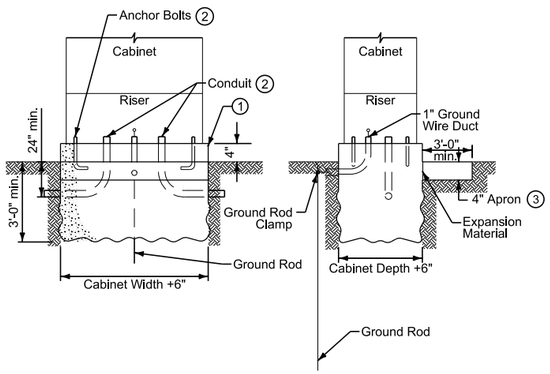
1. Shape top 11 inches with forms.
2. Bolt spacing and conduit locations as specified by the manufacturer.
3. Provide apron on three sides of cabinet if cabinet has front and back doors.

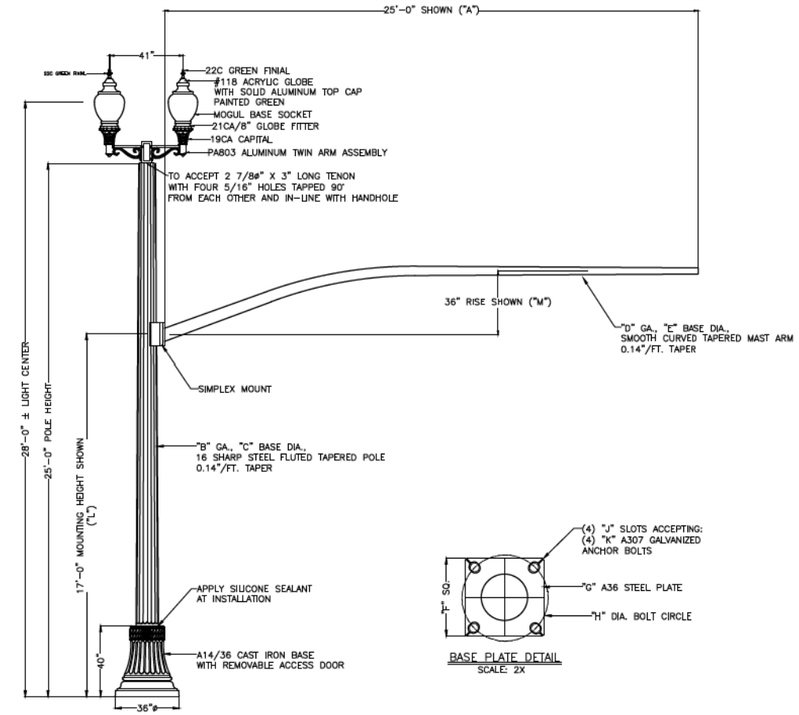


REVISION	
1	2022 Edition
SHEET 1 of 1	

modified

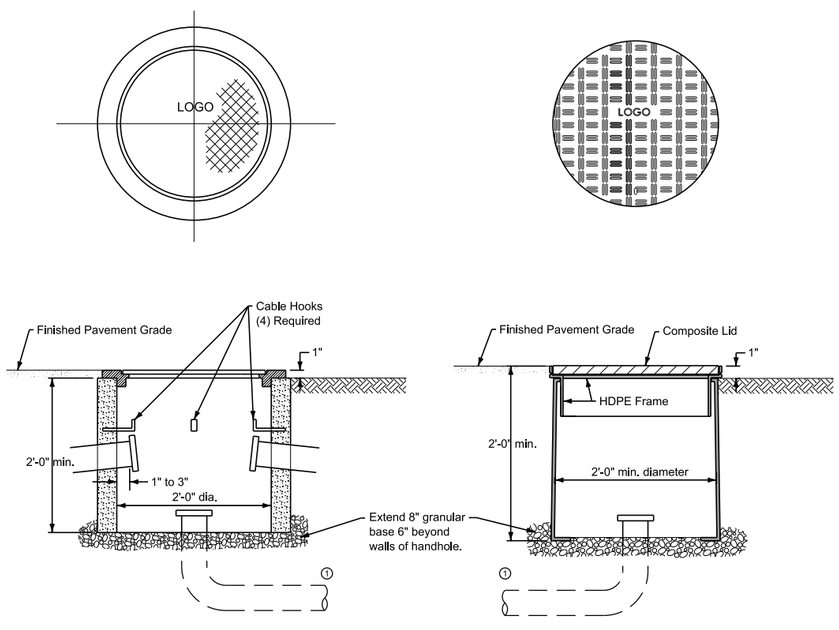
CABINET FOOTING DETAILS

FIGURE 8010.101 SHEET 1 OF 1



MAST ARM POLE DETAILS

1. Potential conduit entry through bottom of handhole.



PRECAST CONCRETE HANDHOLE (TYPE I)

HDPE HANDHOLE (TYPE V)

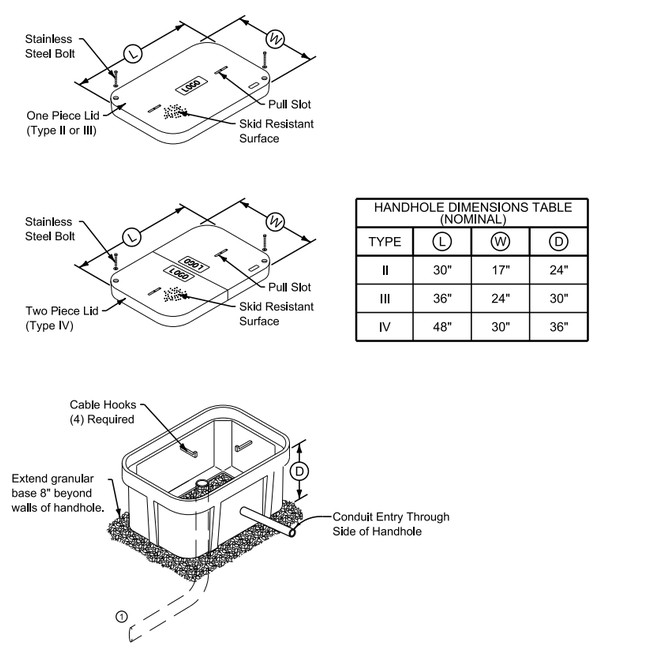
SUDAS	IOWA DOT	REVISION 2 04-19-22
FIGURE 8010.103	STANDARD ROAD PLAN	LI-103 SHEET 1 of 2

REVISIONS: Added option for conduit to enter through the bottom of handhole.

SUDAS DIRECTOR — DESIGN METHODS ENGINEER

CONDUIT AND PRECAST HANDHOLES

FIGURE 8010.103 SHEET 1 OF 2



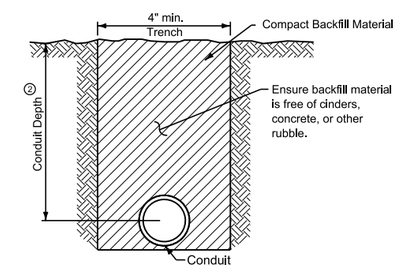
HANDHOLE DIMENSIONS TABLE (NOMINAL)

TYPE	L	W	D
II	30"	17"	24"
III	36"	24"	30"
IV	48"	30"	36"

PRECAST CONCRETE COMPOSITE HANDHOLE

FIGURE 8010.103 SHEET 2 OF 2

1. Potential conduit entry through bottom of handhole.
2. For conduit behind curb, place 24 to 48 inches below top of curb. For conduit under roadway, place 30 to 60 inches below the gutterline.



CONDUIT IN TRENCH

SUDAS	IOWA DOT	REVISION 2 04-19-22
FIGURE 8010.103	STANDARD ROAD PLAN	LI-103 SHEET 2 of 2

REVISIONS: Added option for conduit to enter through the bottom of handhole.

SUDAS DIRECTOR — DESIGN METHODS ENGINEER

CONDUIT AND PRECAST HANDHOLES

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET AND 6TH STREET INTERSECTION
TRAFFIC SIGNAL DETAILS

SHEET NO.
N.14
STBG-SWAP-1185(657)

HIGHWAY LIGHTING DATA

GENERAL

1. LIGHTING INSTALLATION SHALL BE IN ACCORDANCE WITH IOWA DOT STANDARD SPECIFICATION SECTION 2523, HIGHWAY LIGHTING UNLESS OTHERWISE NOTED.

2. LIGHTING MATERIALS SHALL BE IN ACCORDANCE WITH IOWA DOT STANDARD SPECIFICATION 4185, HIGHWAY LIGHTING MATERIALS UNLESS OTHERWISE NOTED.

3. CONTRACTOR SHALL COORDINATE ROUTING AND INSTALLATION OF CONDUIT SYSTEM TO AVOID CONFLICT WITH EXISTING AND PROPOSED UTILITIES, STRUCTURES AND EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN LOCATES ON ALL UNDERGROUND UTILITIES AND VERIFY CLEARANCES BEFORE BORING, TRENCHING OR EXCAVATION. WHERE UTILITY LINES, UNDERGROUND OBSTRUCTIONS OR PIPING MAY BE UNCOVERED ON THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE OWNER OF THE UTILITY AND TAKE ALL NECESSARY MEASURES TO PREVENT INTERRUPTION OF SERVICES THAT MAY BE DAMAGED OR INTERRUPTED THROUGH CONTRACTOR'S OWN NEGLIGENCE, AND BE RESPONSIBLE FOR IMMEDIATE REPAIR AND/OR RESTORATION AT THE CONTRACTOR'S EXPENSE.

4. CONDUIT LOCATIONS SHOWN IN THE PLANS ARE DIAGRAMMATIC IN NATURE AND MAY BE VARIED TO SUIT FIELD CONDITIONS. SHOULD A CONFLICT ARISE, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY FOR A RESOLUTION.

5. CONTRACTOR SHALL SUBMIT FOR REVIEW SHOP DRAWINGS FOR ALL LIGHT FIXTURES, POLES AND BASES; AND COLOR CHIPS FOR ALL POWDER-COAT COLORS.

6. PROVIDE SUBMITTALS ON THE FOLLOWING MATERIALS/EQUIPMENT.
   A. LIGHTING CONTROLLERS AND COLOR CHIPS
   B. LUMINAIRES
   C. POLES AND MASTARMS (INCLUDING WIND LOAD CALCULATIONS)
   D. WIRE AND CABLE
   E. CONNECTORS
   F. CONDUIT
   G. LIGHTING CIRCUIT HANDHOLES

7. WHEN INDICATED ON DRAWINGS, EQUIPMENT VENDORS ARE SOLE-SOURCED PER CEDAR FALLS REQUIREMENTS. SUBSTITUTIONS WILL NOT BE ALLOWED UNLESS OTHERWISE NOTED.

ELECTRIC SERVICE

1. THE CONTRACTOR SHALL COORDINATE ELECTRICAL SERVICE INCLUDING TRANSFORMER AND PAD LOCATIONS, ORIENTATIONS, AND ENERGIZATION WITH CEDAR FALLS UTILITY.

2. THE INSTALLATION SHALL MEET ALL CITY, UTILITY AND NEC CODES AND REQUIREMENTS.

3. PROVIDE ELECTRICAL SERVICE TO EACH LIGHTING CONTROLLER.

ROADWAY LIGHTING

1. ALL LIGHTING UNITS, JUNCTION BOXES, OR ENCLOSURES SHALL BE CONNECTED TO THE GROUNDING SYSTEM. PROVIDE AND INSTALL GROUND RODS AND GROUNDING ELECTRODE CONDUCTORS AT EACH LIGHTING UNIT, LIGHTING CONTROLLERS, ETC, PER NEC AND IDOT STANDARD SPECIFICATIONS. INSTALL POLE FOUNDATIONS AND LIGHT POLES PLUMB AND TRUE. HANDLE LIGHTING FIXTURES CAREFULLY TO PREVENT BREAKAGE, AND DAMAGE. DO NOT INSTALL DAMAGED LIGHTING FIXTURES. REPLACE AND RETURN DAMAGED UNITS TO EQUIPMENT MANUFACTURER. PROTECT LIGHTING ASSEMBLY FINISH DURING HANDLING, STORAGE AND INSTALLATION. POLE GRIPS, TRUCK ARMS, JAWS, TRAILERS AND ANY OTHER SURFACES THAT CONTACT POLES PRIOR TO OR DURING INSTALLATION SHALL BE FULLY AND THICKLY PADDED TO PREVENT DAMAGING POLE FINISH. FINISHES THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR TOUCHED UP, USING MATERIALS AND METHODS APPROVED BY THE LIGHTING ASSEMBLY MANUFACTURER.

2. TAP AND END-OF-CIRCUIT CONNECTORS SHALL BE MADE WITH Y-1, L-1 CONNECTORS WITH 5 AMP FUSES INSIDE POLE SHAFT HANDHOLES ACCORDING TO LI-142. MANUFACTURER SHALL BE COOPER-BUSSMAN HEB SERIES, BREAKAWAY TYPE ALL COPPER CONDUCTOR CONSTRUCTION SET-SCREW CONDUCTOR FASTENING SYSTEM, SUITABLE FOR COPPER CONDUCTORS SCHEDULES, AND CONSTRUCTED TO ACCEPT 13/32" X 1-1/2" FORM FUSES.

3. ALL LIGHTING LOADS SHALL BE CONNECTED 240V "LINE-TO-LINE".

4. HANDHOLES SHALL BE ACCORDING TO LI-103 UNLESS NOTED OTHERWISE.

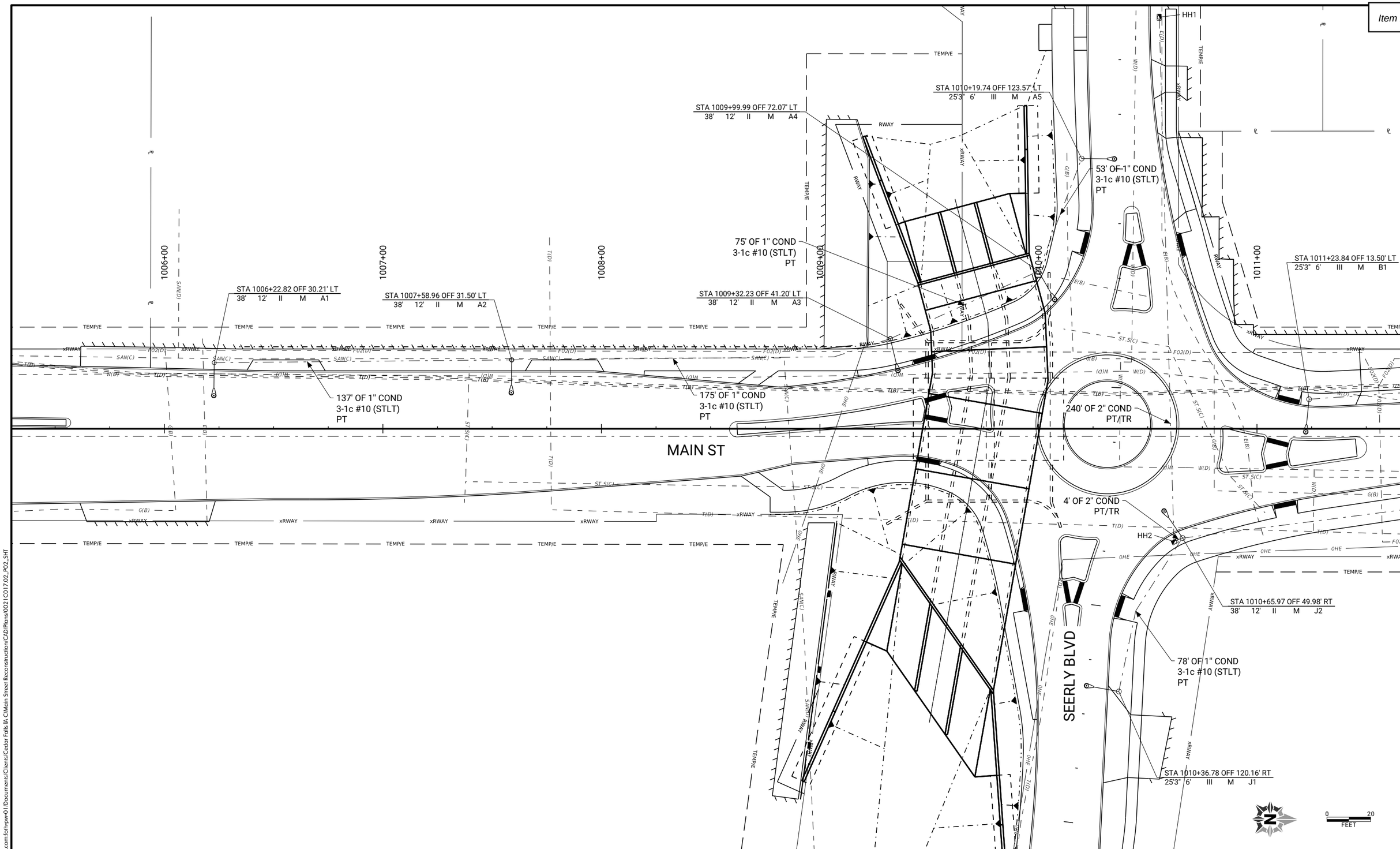
5. STREET LIGHT POLES SHALL BE INSTALLED AT THE LOCATIONS SHOWN IN THE PLANS. CONTRACTOR SHALL LOCATE ALL UTILITIES ALONG MAJOR ROADWAY AND SIDE STREETS. AFTER UTILITIES HAVE BEEN LOCATED, CONTRACTOR TO CONFIRM THAT POLE LOCATIONS DO NOT CONFLICT WITH UTILITIES. IF ADJUSTMENTS TO THE POLE LOCATIONS ARE REQUIRED TO AVOID UTILITY CONFLICTS, CONTRACTOR SHALL COORDINATE WITH ENGINEER FOR THE FINAL POLE LOCATIONS.

6. FIXTURES SHALL BE AMERICAN ELECTRIC LIGHTING AUTOBAHN ATB0 10BLEDE10 R3 FOR 25'3" MOUNTING HEIGHT OR LUMEC: RFL-180W80LED4K-R3M-UNIV-DMG-RCD-SP2-GY3HS FOR 38' MOUNTING HEIGHT OR RAB: HID-54-EX39-840-BYP FOR PEDESTAL LIGHTING AS SHOWN IN THE PLANS.

LOCATION	DESIGN CRITERIA				ANALYSIS RESULTS			
			ILLUMINANCE		ILLUMINANCE (MAINTAINED)			
INTERSECTIONS	ROADWAY CLASSIFICATION	AREA CLASS	AVERAGE E(AVE)	UNIFORMITY E(AVE)/E(MIN)	AVERAGE E(AVE)	MAXIMUM E(MAX)	MINIMUM E(MIN)	UNIFORMITY E(AVE)/E(MIN)
MAIN & WATERLOO	Local/Arterial	Low	0.6	3.5	0.74	1.45	0.22	3.36
MAIN & 18TH	Local/Arterial	Low	0.6	3.5	0.75	1.43	0.19	3.95
MAIN & SEERLY	Local/Arterial	Low	0.6	3.5	0.69	1.73	0.23	3.00
ROAD	DESIGN CRITERIA				ANALYSIS RESULTS			
			ILLUMINANCE		ILLUMINANCE (MAINTAINED)			
LOCATION:	ROADWAY CLASSIFICATION	AREA CLASS	AVERAGE E(AVE)	UNIFORMITY E(AVE)/E(MIN)	AVERAGE E(AVE)	MAXIMUM E(MAX)	MINIMUM E(MIN)	UNIFORMITY E(AVE)/E(MIN)
MAIN ST - 7TH TO WATERLOO	Arterial	Low	0.6	3.5	0.60	1.37	0.18	3.33
MAIN STREET- WATERLOO TO 18TH	Arterial	Low	0.6	3.5	0.57	1.33	0.20	2.85
MAIN ST - 18TH TO SEERLY	Arterial	Low	0.6	3.5	0.57	1.3	0.2	2.85
MAIN ST - SOUTH OF SEERLY	Arterial	Low	0.6	3.5	1.54	3.65	0.35	4.40

LEGEND

SYMBOL	DESCRIPTION
XXA-4	LUMINAIRE WITH EXTENSION ARM
XXA-4	POST TOP MOUNTED LAMP
— - — - —	LUMINAIRE CONDUIT



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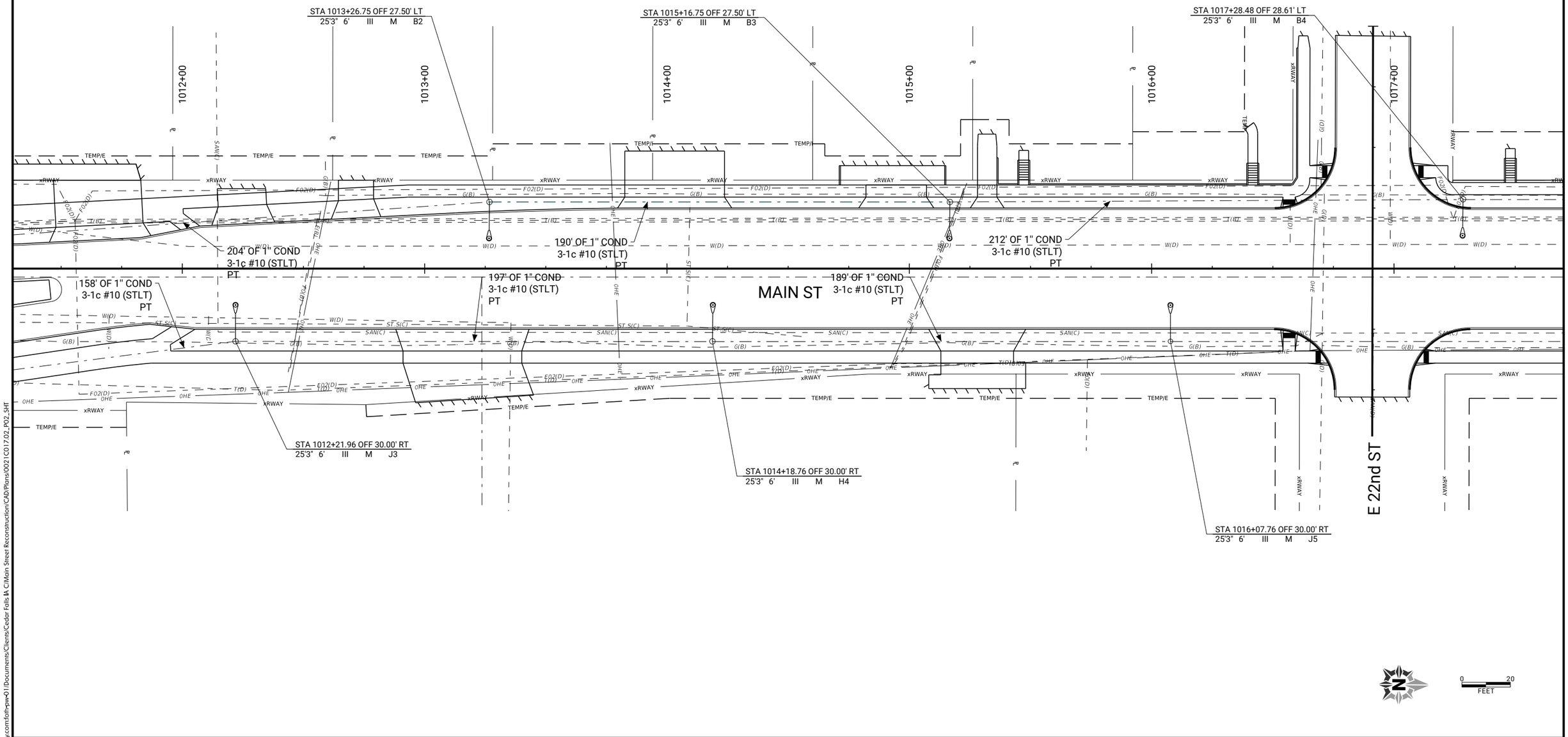
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

ROADWAY LIGHTING
MAIN STREET

SHEET NO.
P.2
STBG-SWAP-1185(657)



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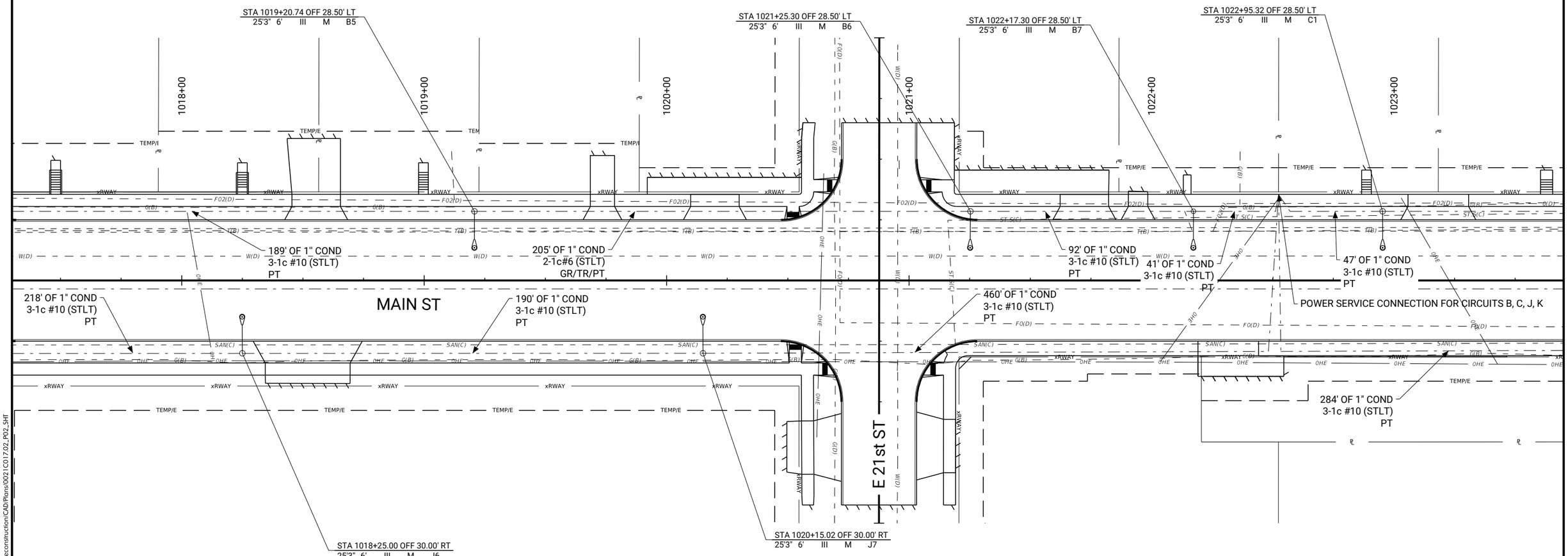
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

ROADWAY LIGHTING
MAIN STREET

SHEET NO.
P.3



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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

ROADWAY LIGHTING
MAIN STREET

SHEET NO.
P.4

STBG-SWAP-1185(657

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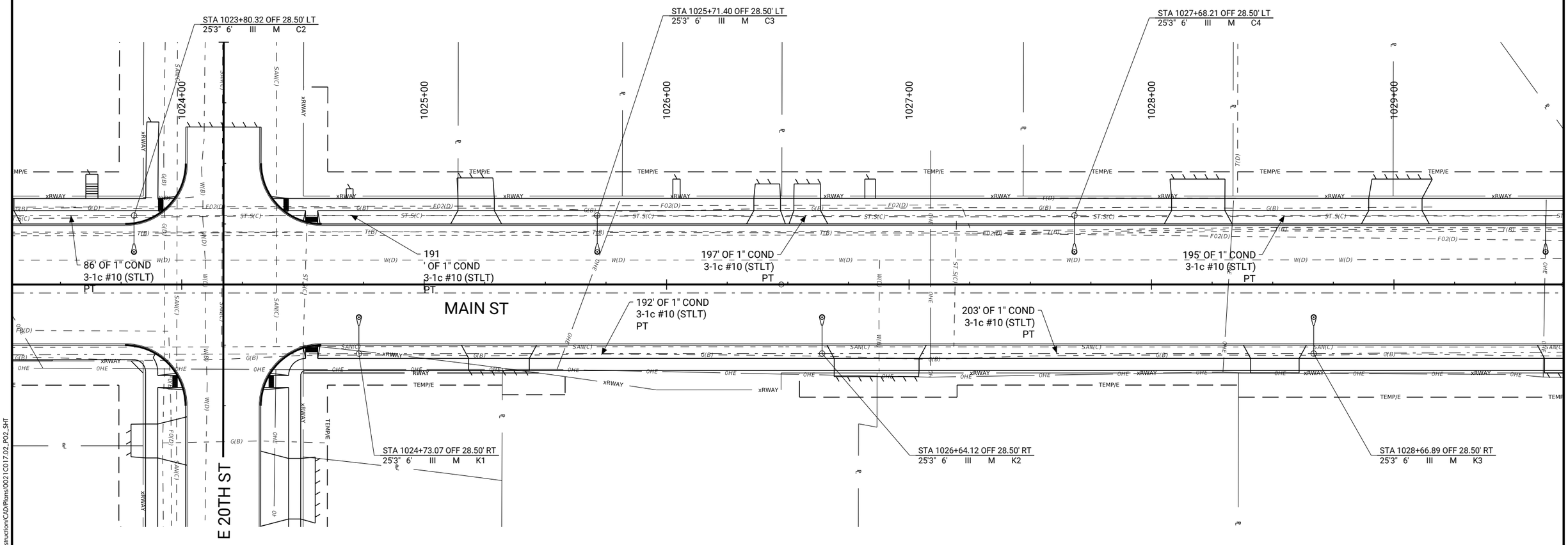

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

ROADWAY LIGHTING
MAIN STREET

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P.5

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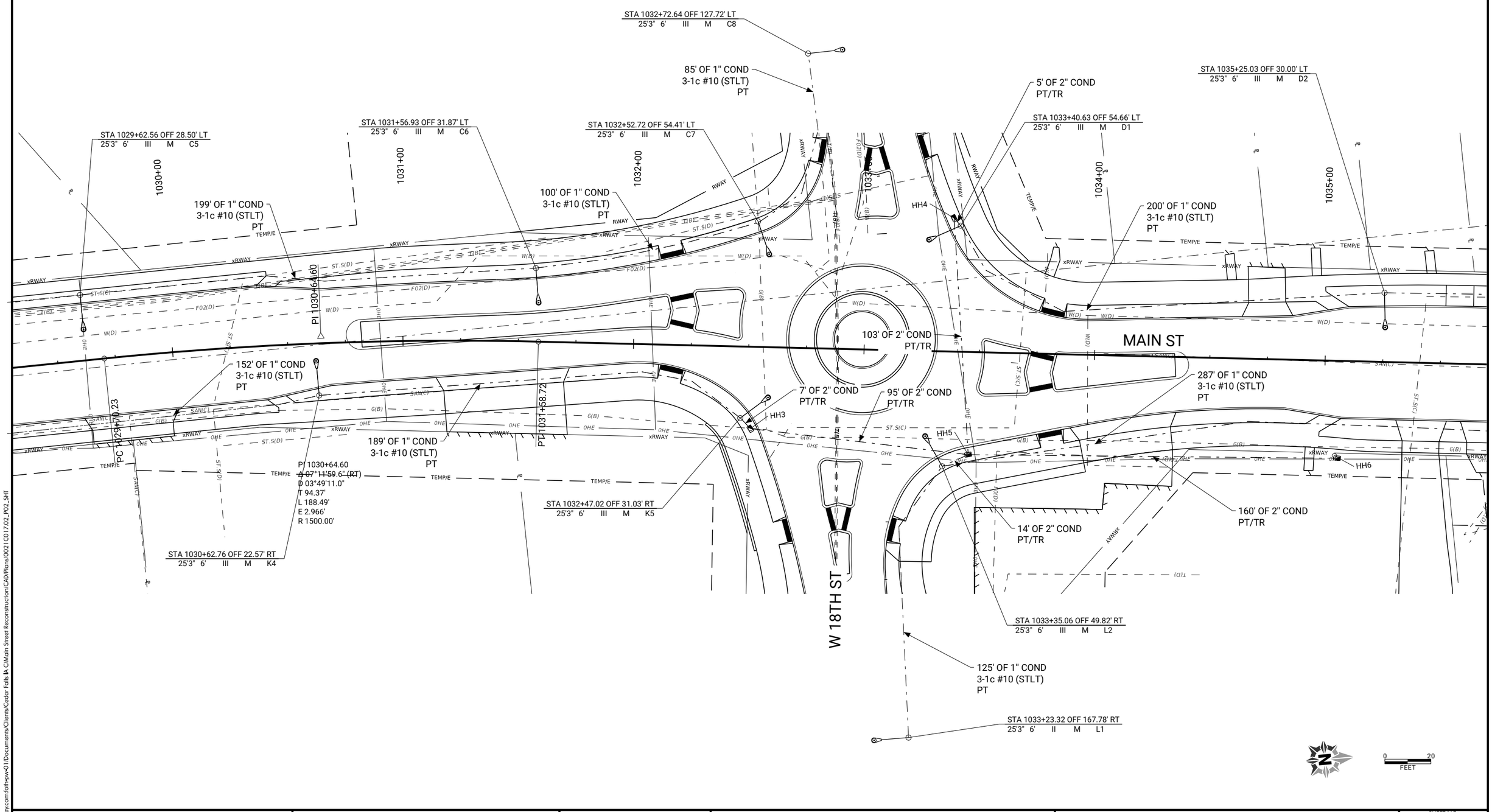

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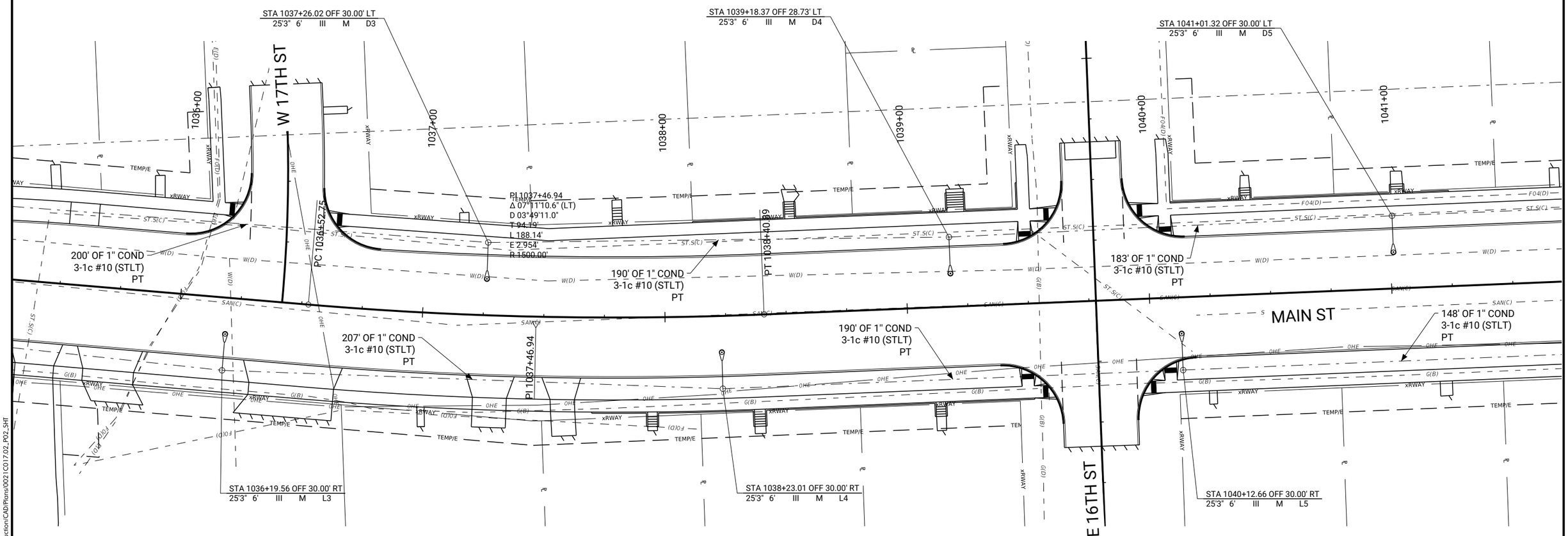
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

ROADWAY LIGHTING
MAIN STREET

SHEET NO.
P.6



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UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

ROADWAY LIGHTING
MAIN STREET

SHEET NO.
P.7
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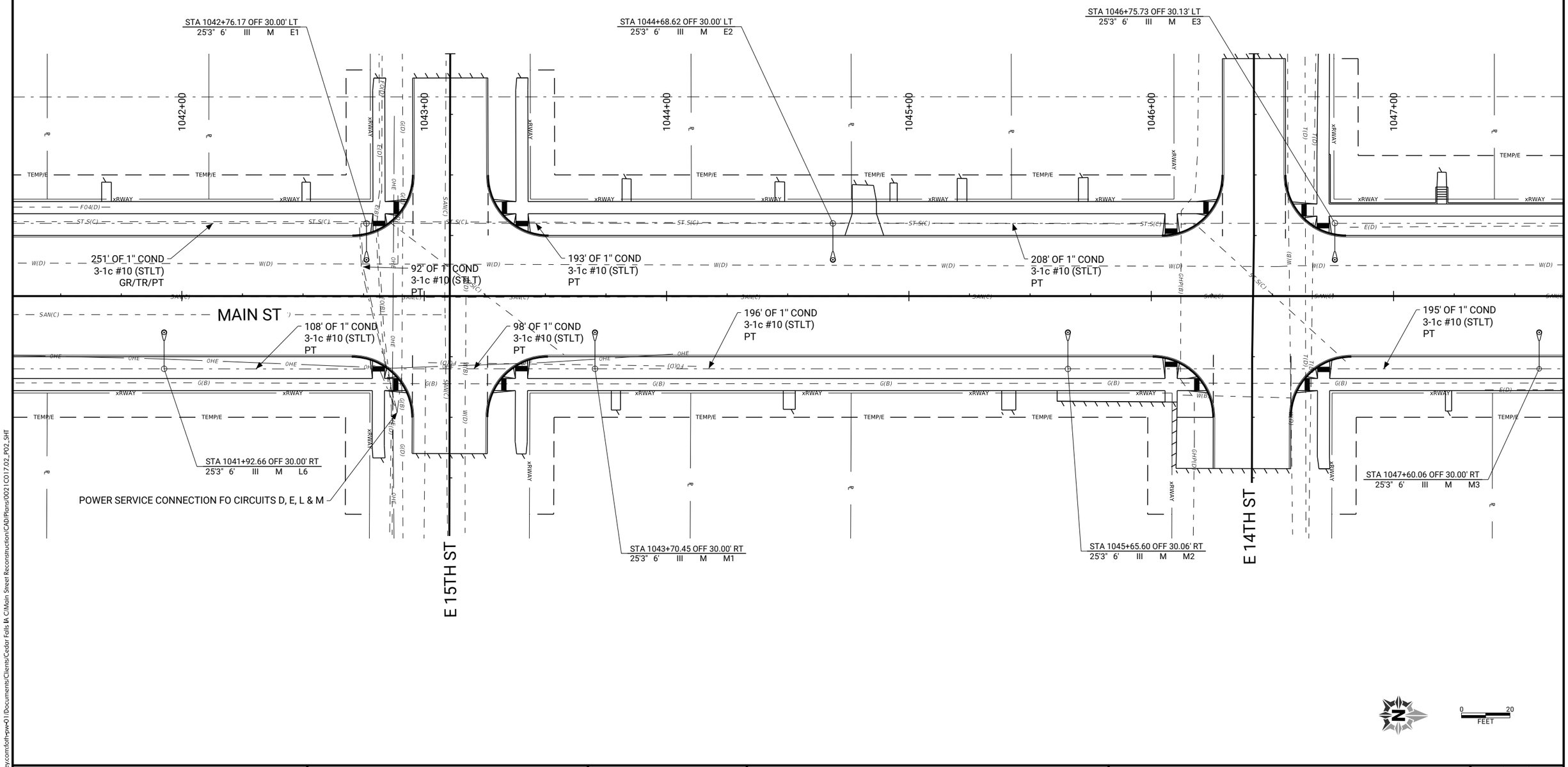

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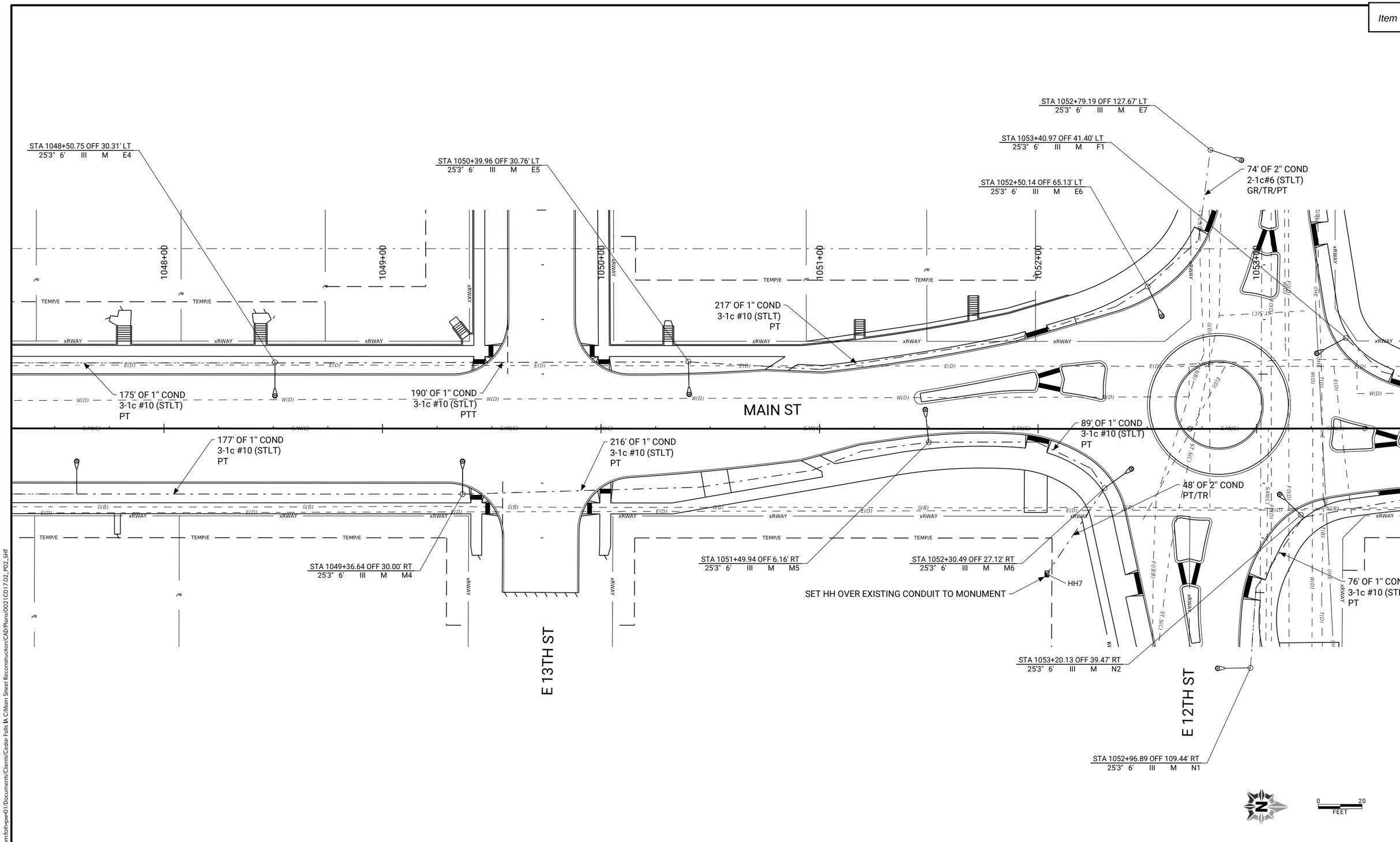
CEDAR FALLS, IA

ROADWAY LIGHTING
MAIN STREET

SHEET NO.
P.8
STBG-SWAP-1185(657)



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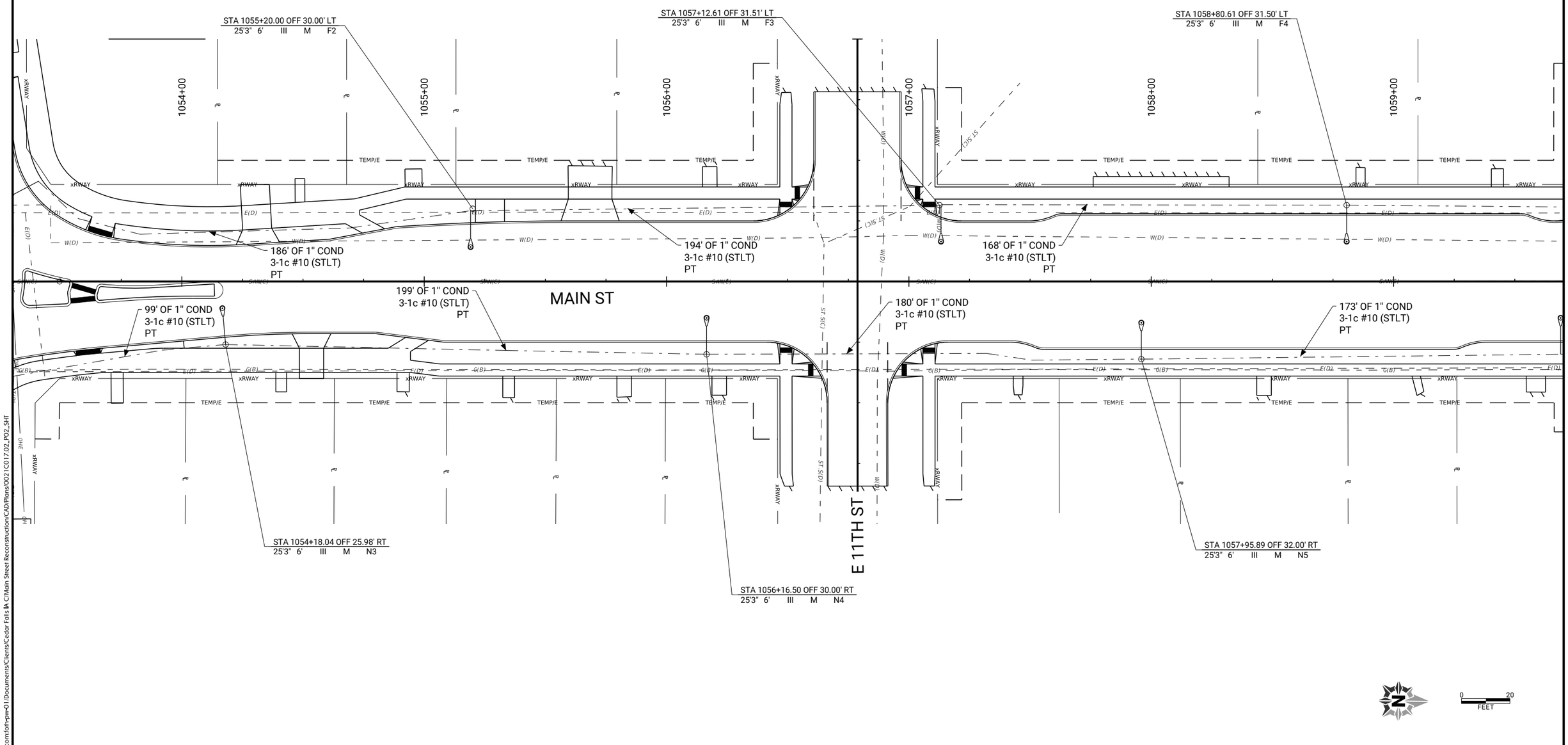
NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

ROADWAY LIGHTING
MAIN STREET

SHEET NO.
P.9



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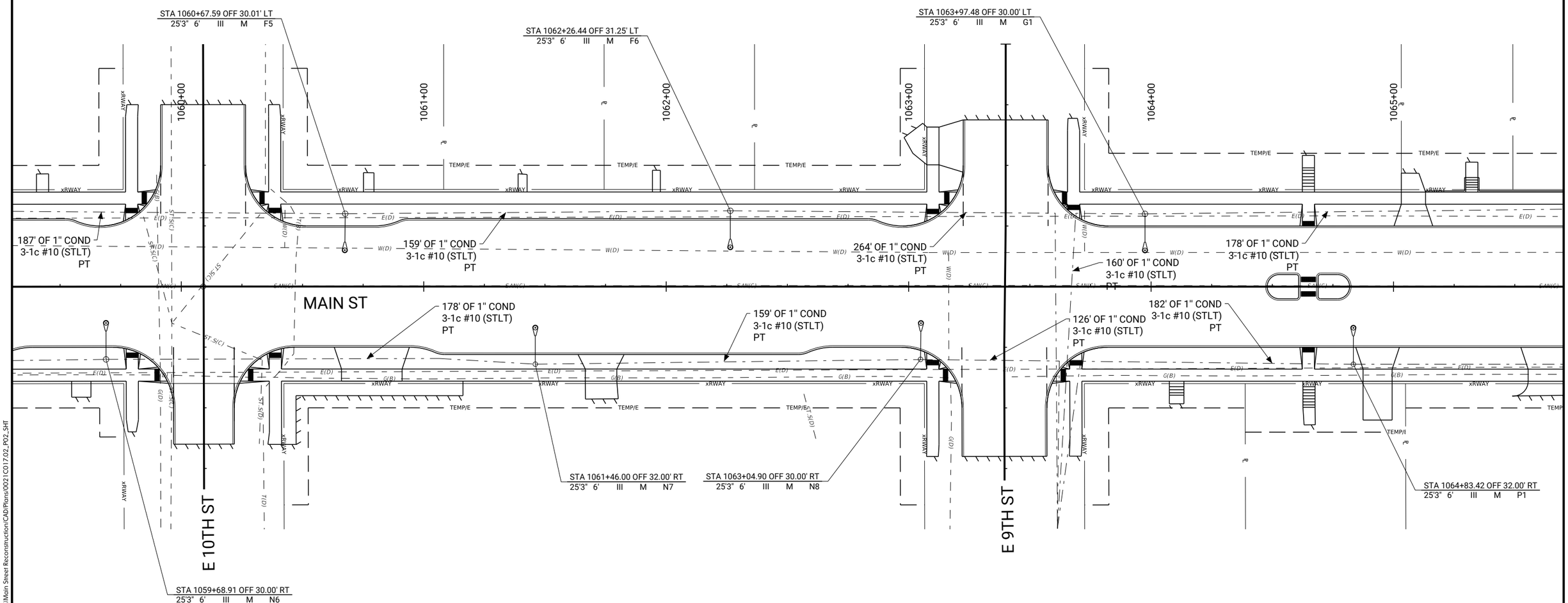
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

SHEET TITLE 1
SHEET TITLE 2

SHEET NO.
P.10
STBG-SWAP-1185(657



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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

ROADWAY LIGHTING
MAIN STREET

SHEET NO.
P.11
STBG-SWAP-1185(657)

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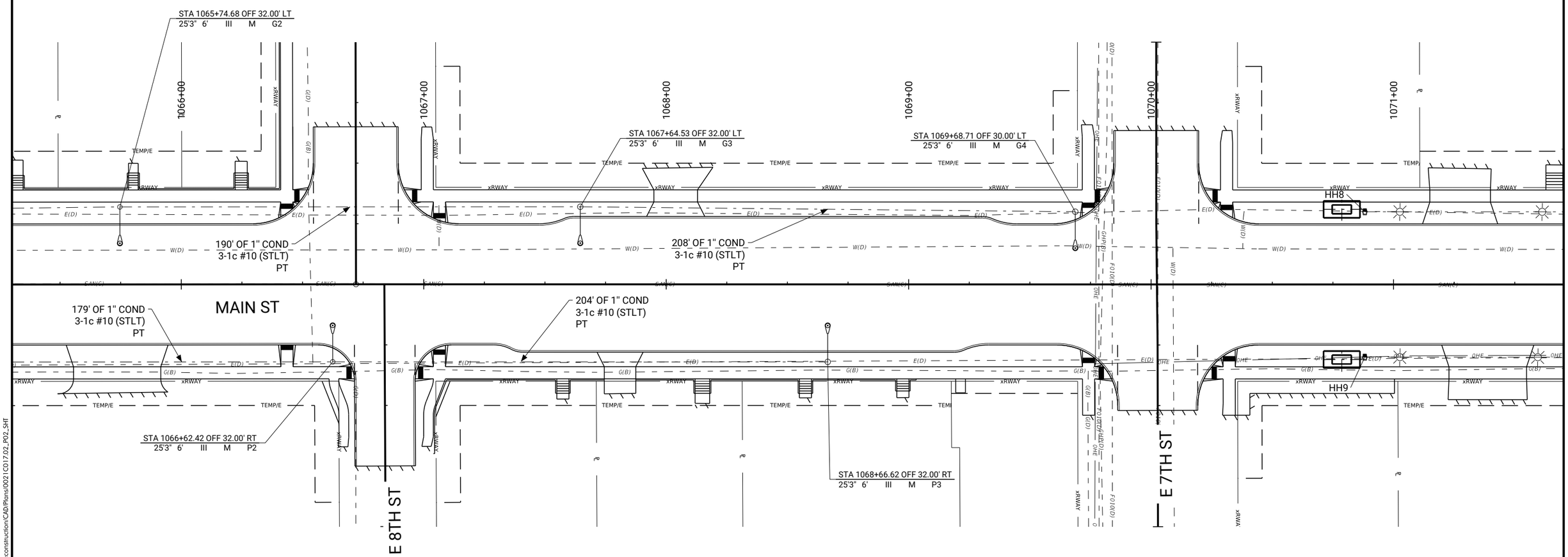

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

ROADWAY LIGHTING
MAIN STREET

SHEET NO.
P.12
STBG-SWAP-1185(657

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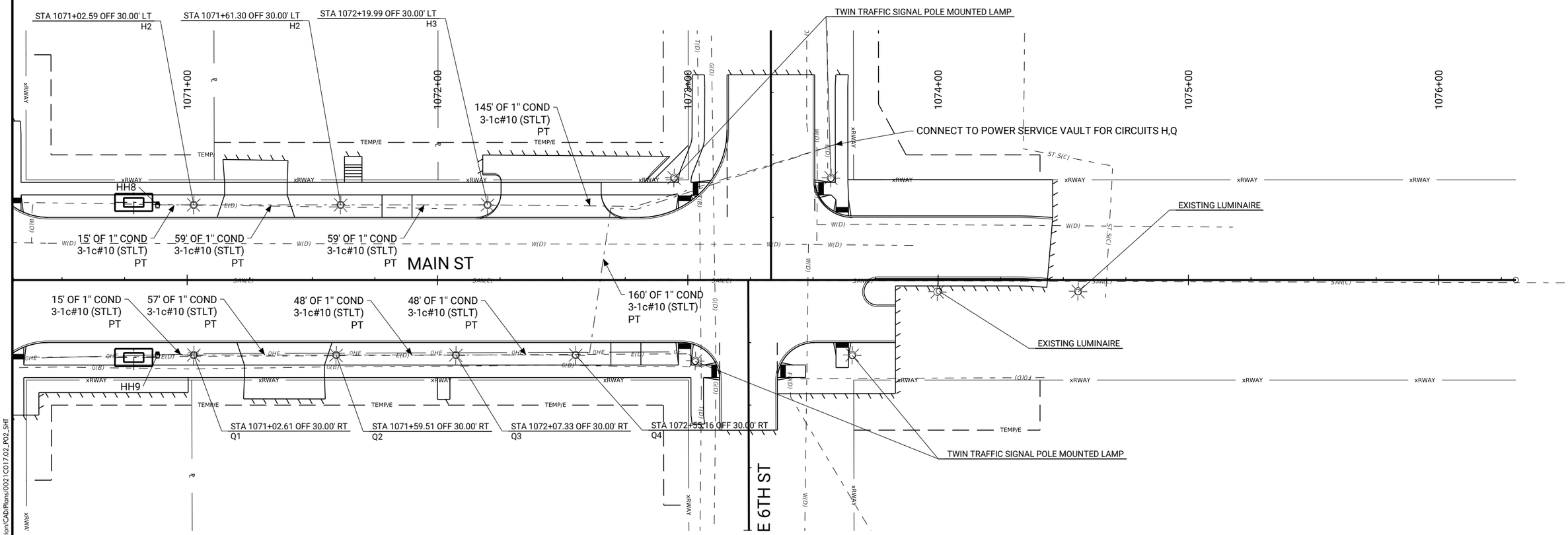

NOTE: QUANTITIES FOR THE TRAFFIC SIGNAL MOUNTED LAMPS ARE INCLUDED IN TRAFFIC SIGNALIZATION.

0 20
FEET

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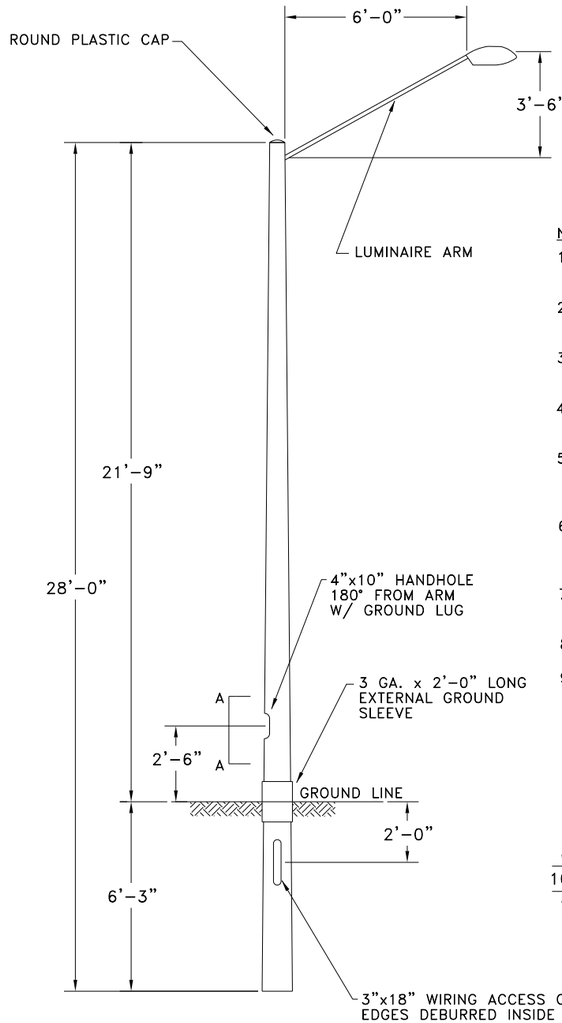
NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

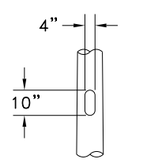
ROADWAY LIGHTING
MAIN STREET

SHEET NO.
P.13
STBG-SWAP-1185(657)



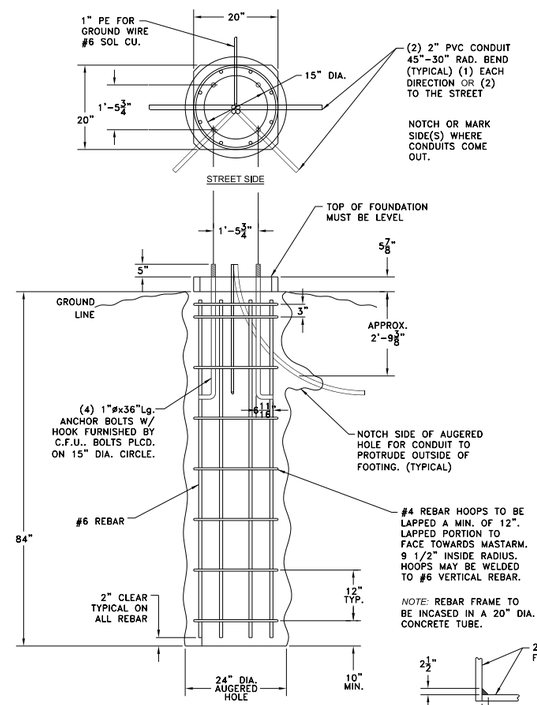
NOTES:

1. 42W LED LUMINAIRE WILL BE USED WITH THIS POLE.
2. SET POLE 5' BEHIND CURB UNLESS STAKED DIFFERENTLY.
3. ROCK POLE IN TO BOTTOM OF ACCESS OPENING.
4. FUSE LIGHT WITH A INLINE FUSE AND FUSE HOLDER – 3A FUSE.
5. TOP OF GROUND SLEEVE TO BE NO MORE THAN 12" ABOVE FINAL GRADE & NO LESS THAN 4".
6. BOTTOM 6'-9" PORTION OF POLE COATED WITH URETHANE PROTECTIVE COATING.
7. POLE, ARM AND PLASTIC CAP SHIPPED UNASSEMBLED.
8. FINISH – HOT-DIP GALVANIZED.
9. HARDWARE TO BE PACKAGED IN BUTT OF POLE WITH CFU STOCK No. (#2997) IN PERMANENT MARKER WRITTEN INSIDE BUTT OF POLE.



SECTION A–A

FOOTING DETAIL 33'6" POLE

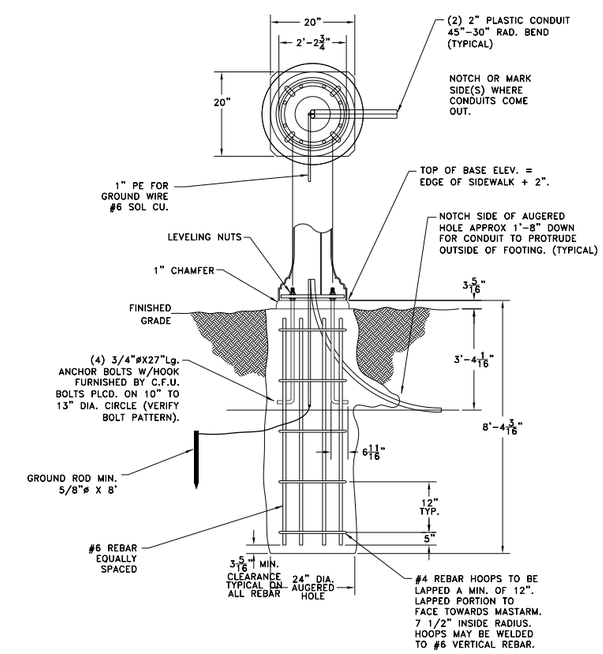


NOTES
1. CONCRETE SHALL BE A 4000 MIX.

CORNER DETAIL

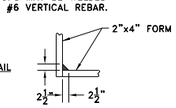
DESCRIPTION	QUAN
#4 REBAR (8-12"ø HOOPS)	32'
#6 REBAR	52'
1" X 36" ANCHOR BOLTS	4
2" PVC 90° 30"-45" RAD. BEND ELBOWS	2
1" PE PIPE	6'
20" SONNA TUBE	2'
4000 MIX CONCRETE	1 YD
5/8" X 8' GROUND ROD	1

FOOTING DETAIL 14' POLE



NOTES
1. CONCRETE SHALL BE A 4000 MIX.

CORNER DETAIL



DESCRIPTION	QUAN
#4 REBAR (5-16"ø HOOPS)	25'
#6 REBAR	40'
3/4" X 27" ANCHOR BOLTS	4
2" PVC 90° 30"-45" RAD. BEND ELBOWS	2
1" PE PIPE	6'
20" SONNA TUBE	2'
4000 MIX CONCRETE	1 YD
5/8" X 8' GROUND ROD	1

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NO	DATE	BY	REVISION DESCRIPTION

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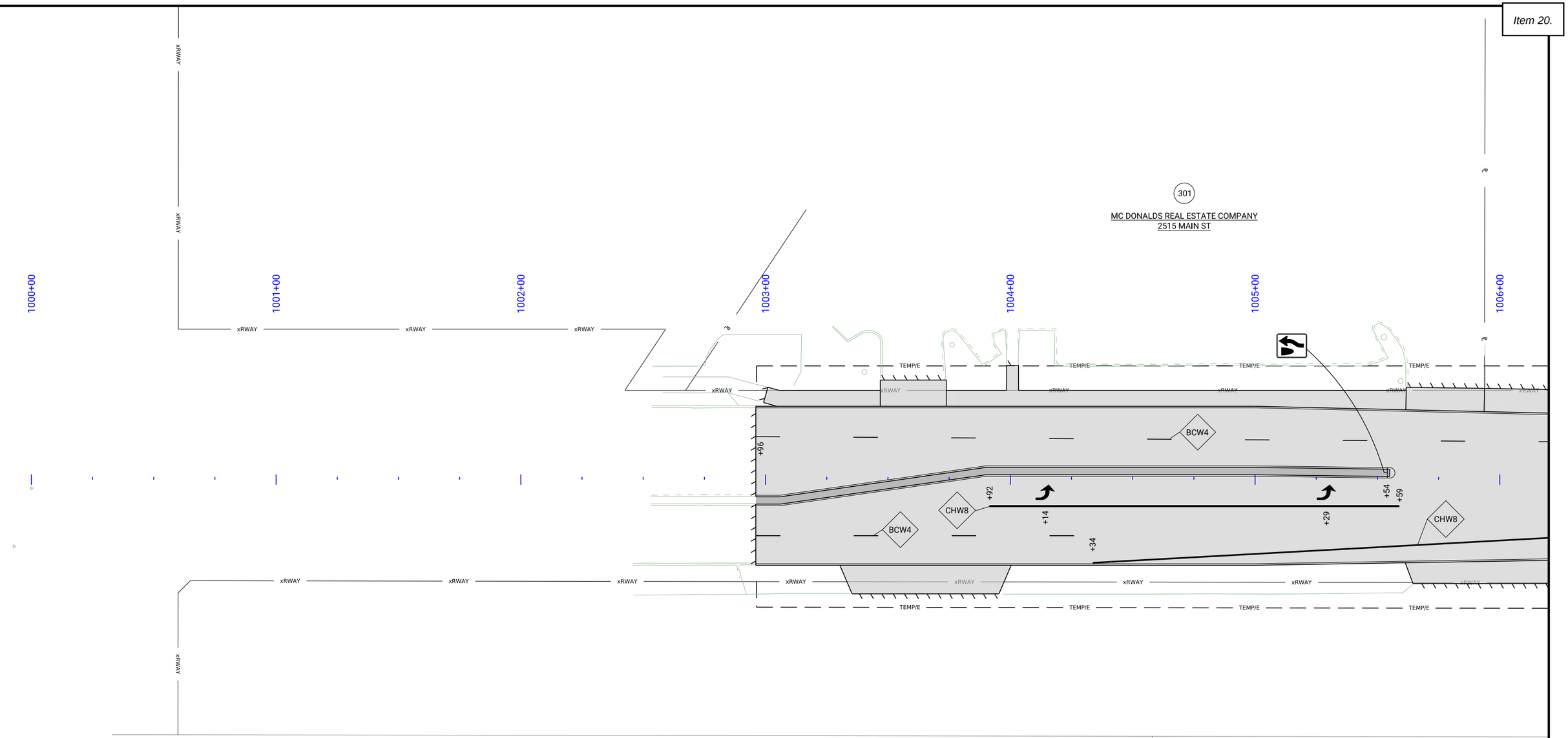
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

ROADWAY LIGHTING DETAILS

SHEET NO.
P.14
STBG-SWAP-1185(657)



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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
PAVEMENT MARKINGS

SHEET NO.
PM.1
STBG-SWAP-1185(657

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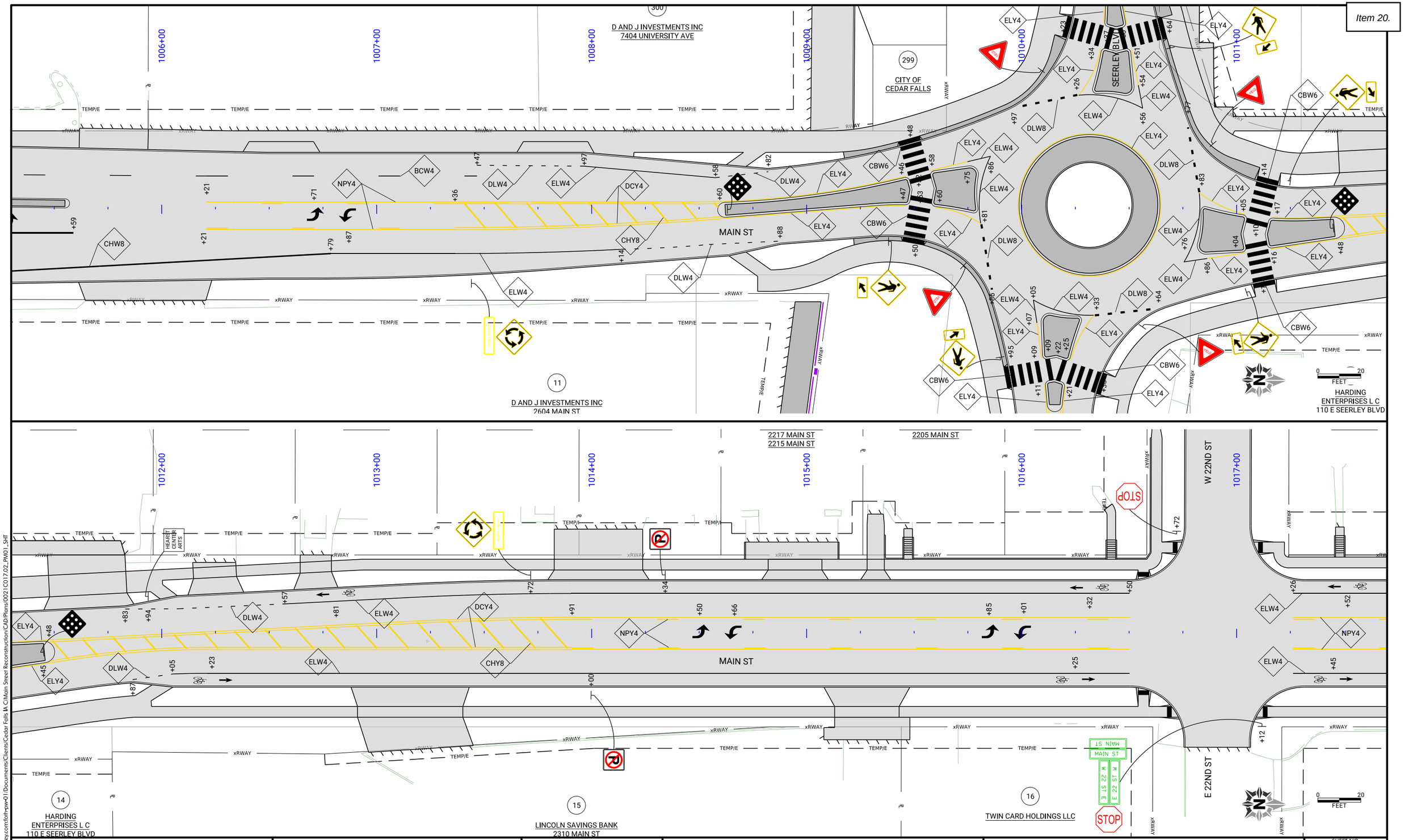

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
PAVEMENT MARKINGS

SHEET NO.
PM.2
STBG-SWAP-1185(657)

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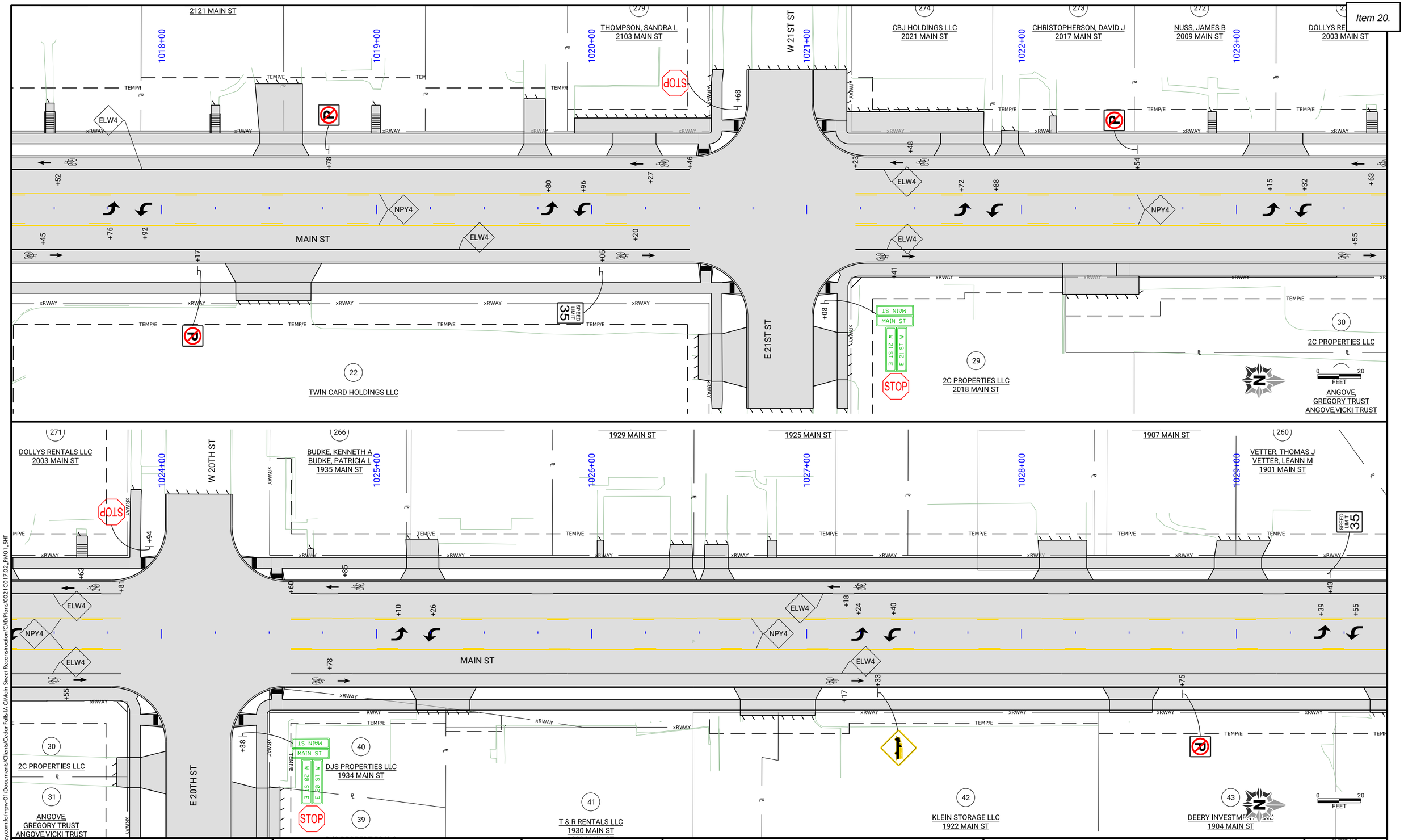

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
PAVEMENT MARKINGS

SHEET NO.
PM.3
STBG-SWAP-1185(657)

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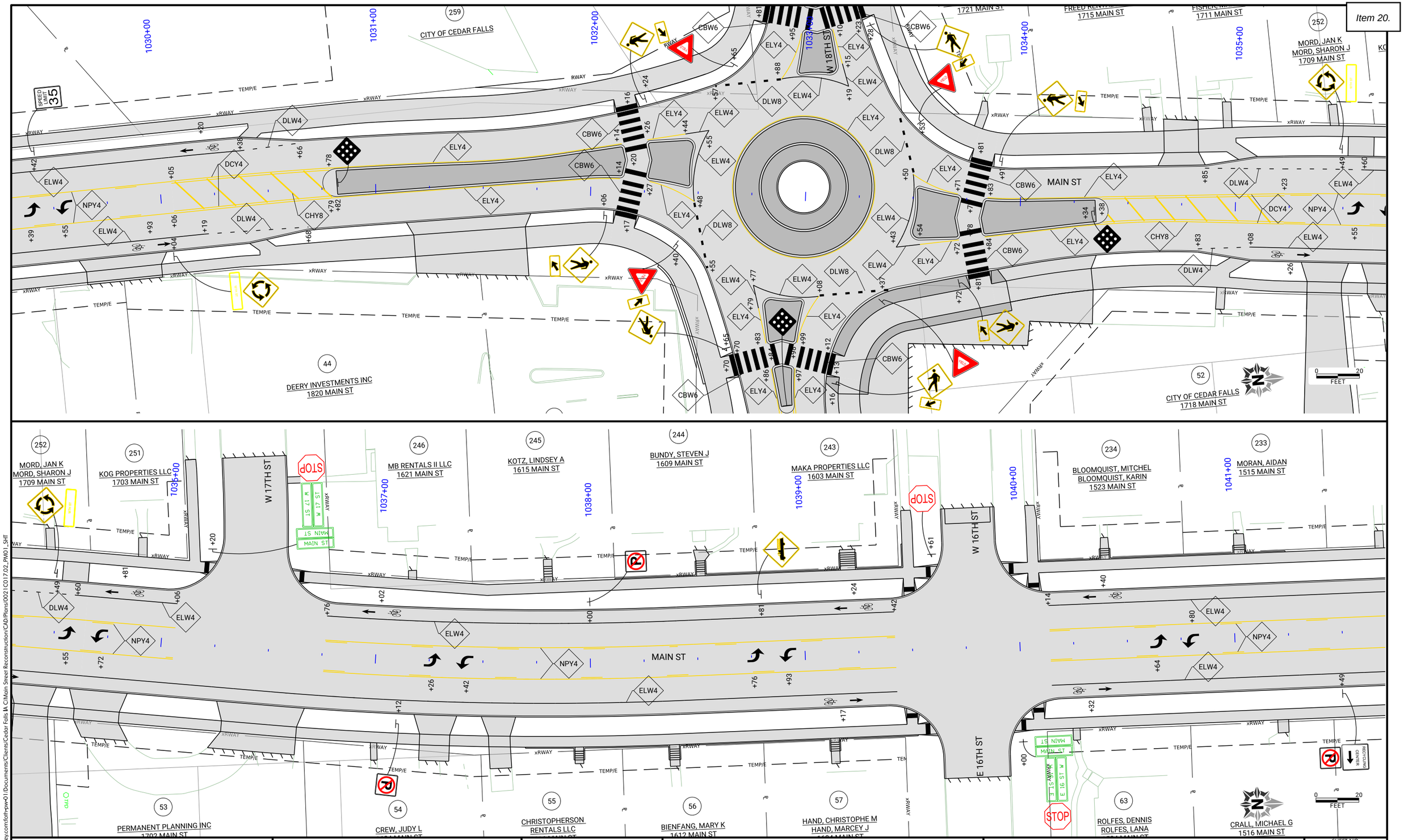

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
PAVEMENT MARKINGS

SHEET NO.
PM.4
STBG-SWAP-1185(657

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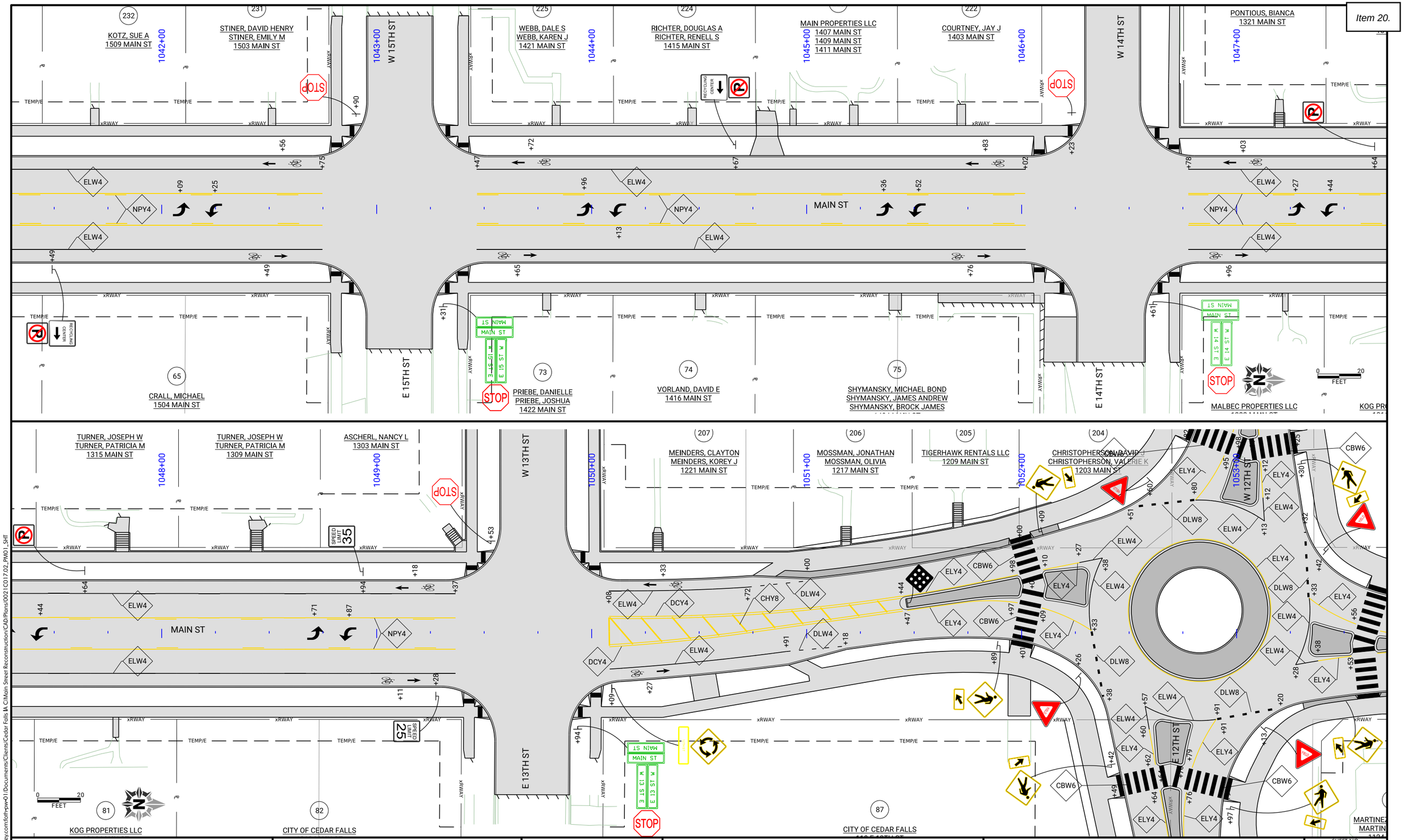

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
PAVEMENT MARKINGS

SHEET NO.
PM.5
STBG-SWAP-1185(657

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
PAVEMENT MARKINGS

SHEET NO.
PM.6

STBG-SWAP-1185(657)

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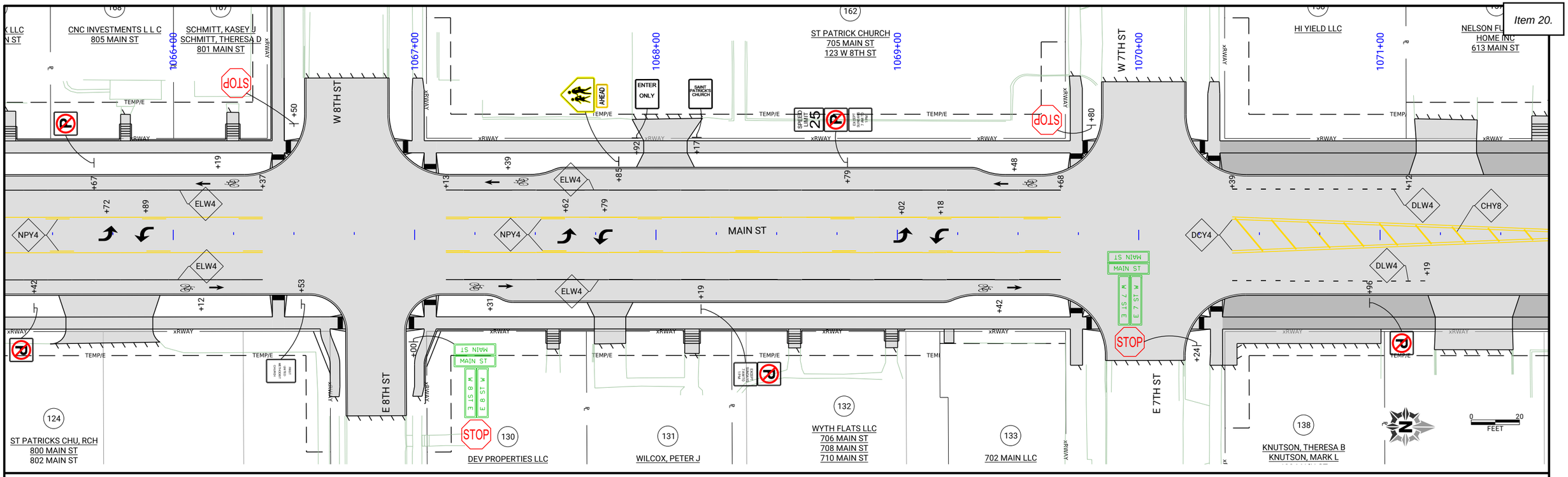

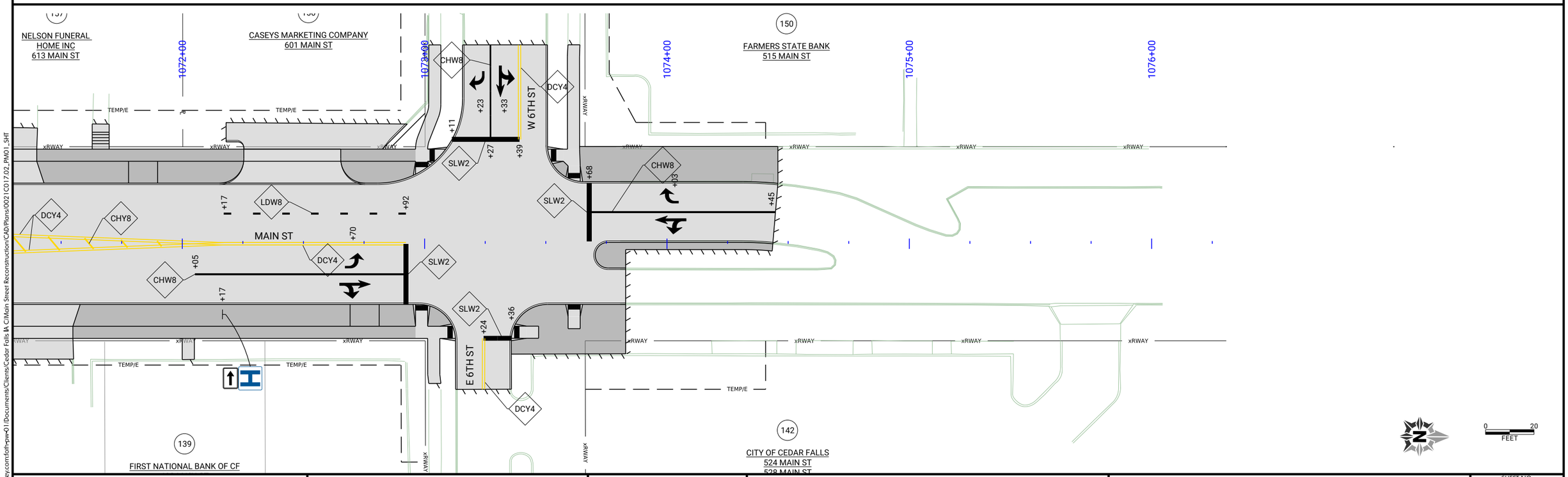

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
PAVEMENT MARKINGS

SHEET NO.
PM.7
STBG-SWAP-1185(657)

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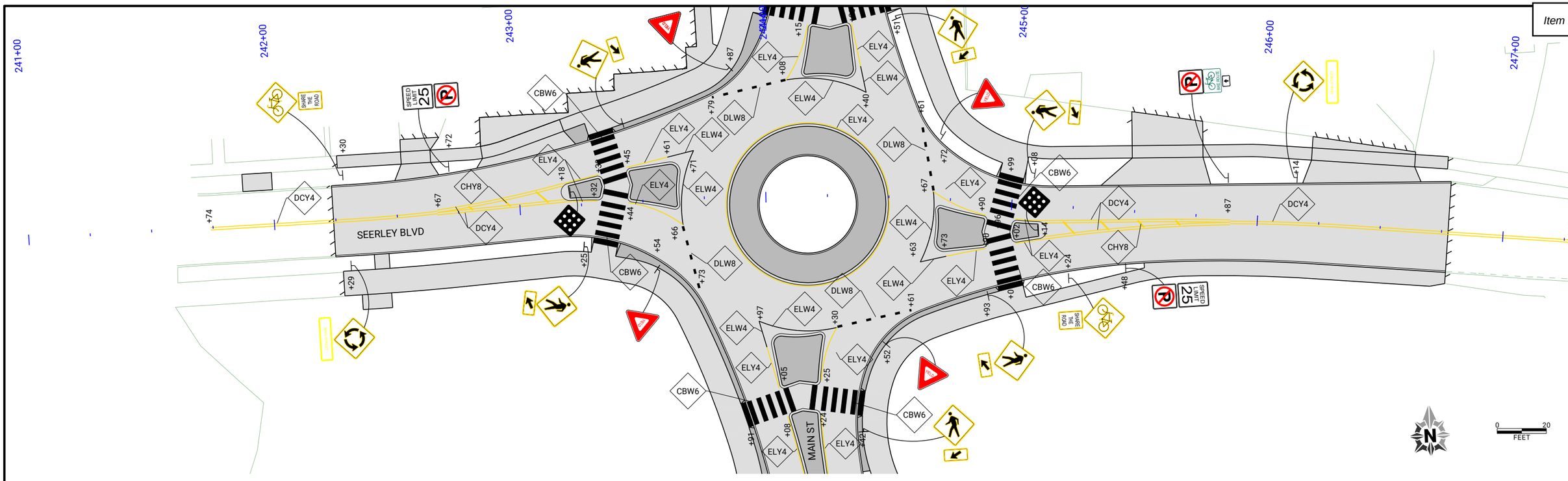

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
PAVEMENT MARKINGS

SHEET NO.
PM.8
STBG-SWAP-1185(657)

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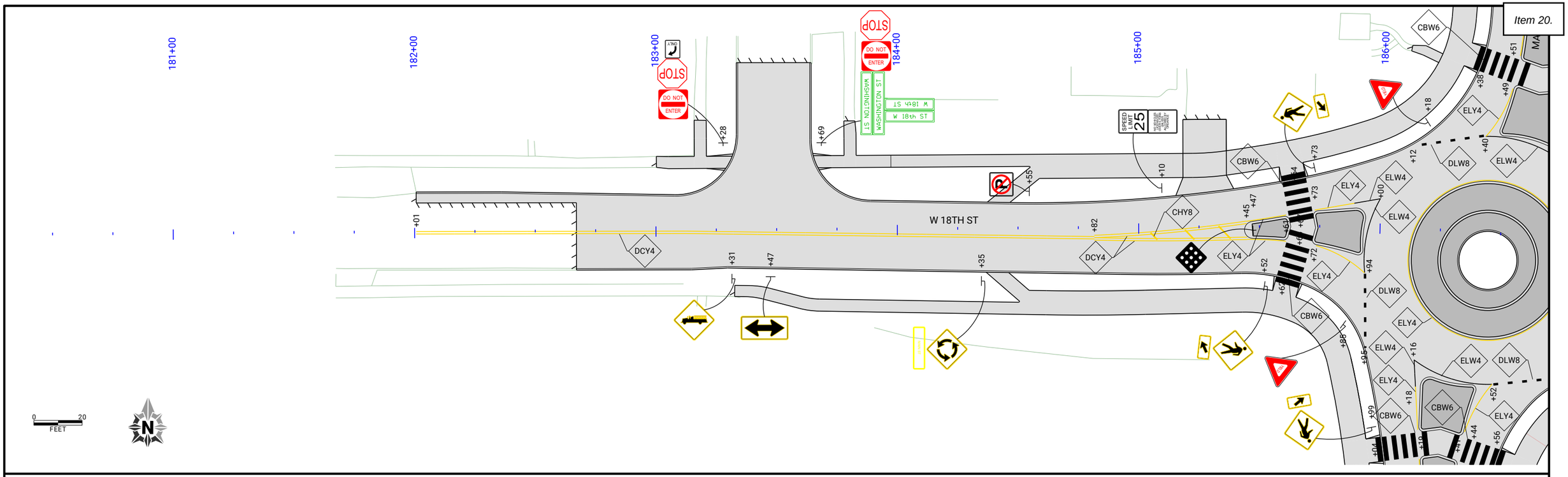

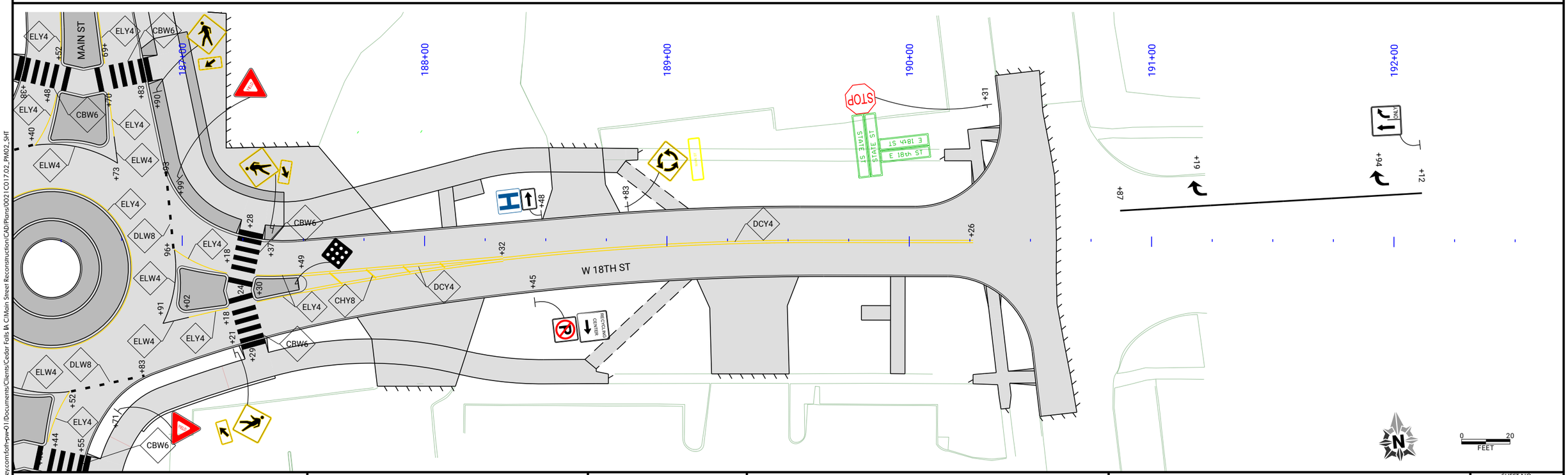

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
PAVEMENT MARKINGS

SHEET NO.
PM.9
STBG-SWAP-1185(657)

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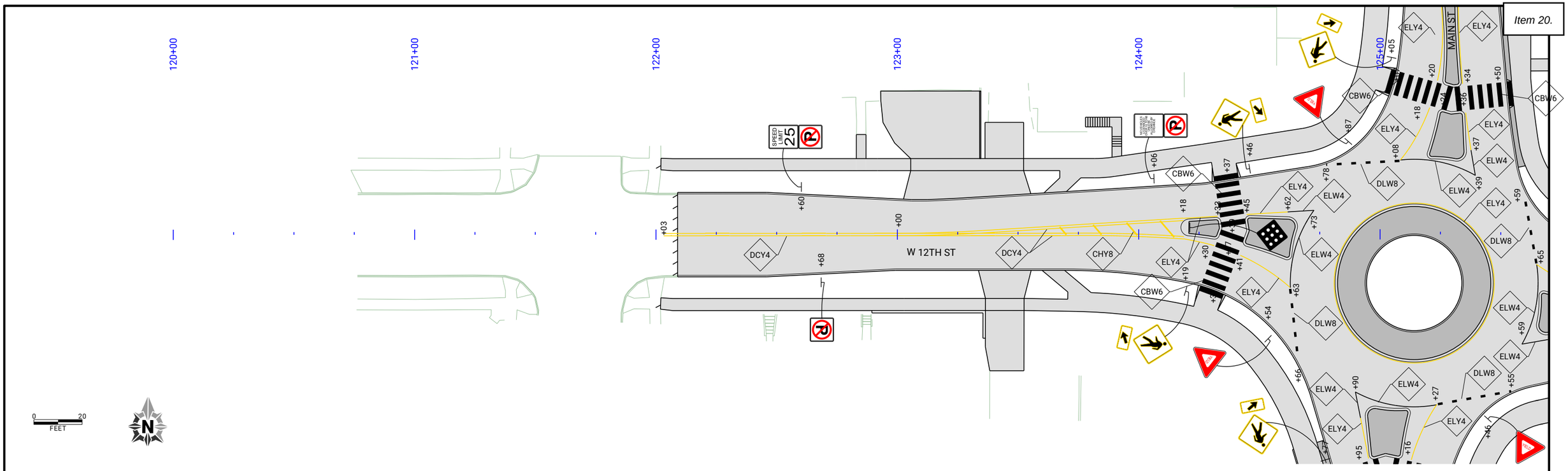

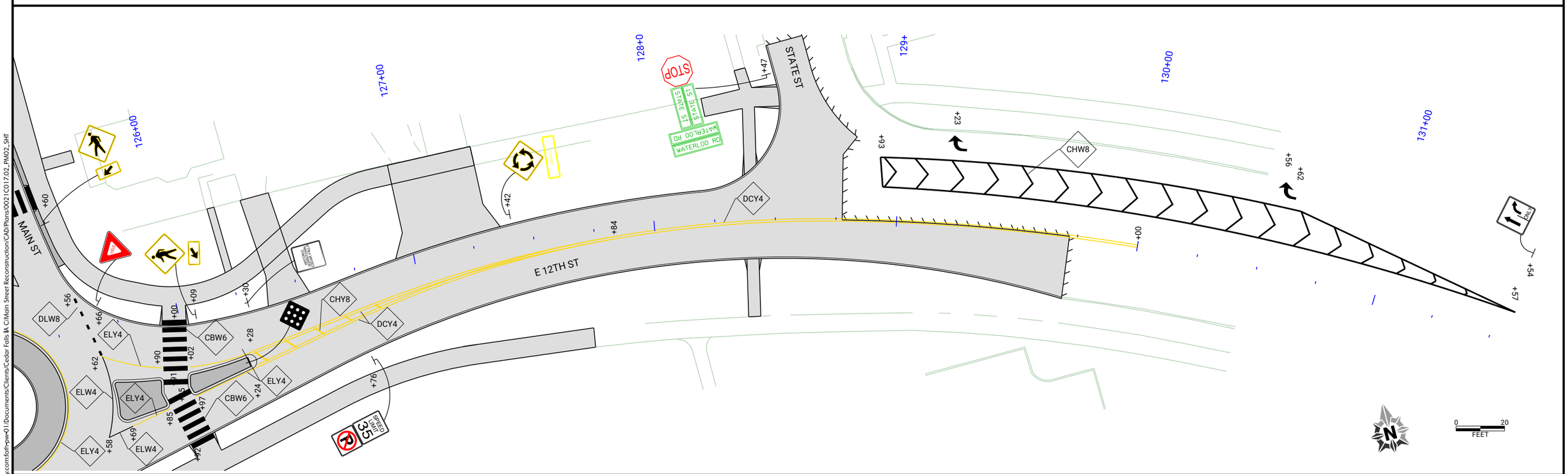

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Clients/Cedar Falls IA C/Main Street Reconstruction/CAD/Plans/0021C017.02_PM02_SHT

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: K. WOLLNER	CHECKED BY: C. CARPER	DRAWN BY: K. WOLLNER	
LETTING DATE: 11/15/2022	CAD DATE: 8/22/2022	2:11:01 PM	
CAD FILE: c:\pw_workdir\pw_ie\fvd_kmw3\d0518375\0021C017.02_PM02_SHT.dgn			

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
PAVEMENT MARKINGS

SHEET NO.
PM.10
STBG-SWAP-1185(657)

SB #1 STA 1010+16.47, 93.53' LT

BORING LOG NO. 1

Page 1 of 1

PROJECT: Main Street Reconstruction

CLIENT: Foth Infrastructure & Environment LLC
Cedar Rapids, IA

SITE: University Ave to 6th St
Cedar Falls, IA

LOCATION See Exploration Plan
Latitude: 42.5159° Longitude: -92.4462°
Surface Elev.: 873.0 (Ft.)

DEPTH	ELEVATION (Ft.)	Description
0.4	872.5	**ASPHALT**
2.0	871	**FILL - CRUSHED STONE**, with sand
4.0	869	**FILL - SANDY LEAN CLAY**, trace gravel, dark brown
6.5	866.5	**FILL - SANDY LEAN CLAY**, trace gravel, brown gray
9.0	864	**FILL - SAND**, with gravel and clay, fine to coarse grained, brown
9.5	863.5	**FILL - SANDY LEAN CLAY**, trace gravel, dark gray brown and light brown
16.4	856.5	**LIMESTONE**, highly weathered and broken, light gray
		Sampler Refusal at 16.4 Feet

DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (In.)	FIELD TEST RESULTS	ORGANIC CONTENT, %	LABORATORY HP (psf)	UNCONFINED COMPRESSIVE STRENGTH (psf)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS LL-PL-PI	PERCENT FINES
			12	6-3-2 N=5				5.8			
5			11	2-1-2 N=3				19.6			
			12					5.5			
10			10	2-3-6 N=9				10.9			
			12	18-13-9 N=22				2.4			
15			15	7-28-28 N=56				3.5			
			4	50/5"				4.2			

Stratification lines are approximate. In-situ, the transition may be gradual.
Classification of rock estimated from disturbed samples. Core samples and petrographic analysis may reveal other rock types.

Hammer Type: Automatic

Advancement Method:
Solid stem auger

Abandonment Method:
Boring backfilled with soil cuttings, bentonite chips, and patched with asphalt upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS
None observed after drilling

Terracon
3105 Capital Way, Ste 5
Cedar Falls, IA

Boring Started: 09-10-2021 | Boring Completed: 09-10-2021
Drill Rig: 589 | Driller: WE
Project No.: 13215049

SB #2 STA 1009+36.31, 9.87' LT

BORING LOG NO. 2

Page 1 of 1

PROJECT: Main Street Reconstruction

CLIENT: Foth Infrastructure & Environment LLC
Cedar Rapids, IA

SITE: University Ave to 6th St
Cedar Falls, IA

LOCATION See Exploration Plan
Latitude: 42.5156° Longitude: -92.4459°
Surface Elev.: 873.0 (Ft.)

DEPTH	ELEVATION (Ft.)	Description
0.3	872.5	**ASPHALT**
0.8	872	**CONCRETE**
6.0	867	**FILL - SAND**, trace gravel, fine to coarse grained, light brown
11.0	862	**FILL - CLAYEY SAND**, trace gravel, fine to coarse grained, dark brown
19.0	854	**FILL - SAND**, trace gravel and clay, fine to coarse grained, brown
28.0	845	**SAND (SP-SC)**, with clay, trace gravel, fine to coarse grained, light brown, medium dense to loose
30.0	843	**CLAYEY SAND (SC)**, trace gravel, fine to medium grained, light brown, medium dense
30.5	842.5	**SANDY FAT CLAY (CH)**, with limestone gravel, gray and brown, very stiff
		Boring Terminated at 30.5 Feet

DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (In.)	FIELD TEST RESULTS	ORGANIC CONTENT, %	LABORATORY HP (psf)	UNCONFINED COMPRESSIVE STRENGTH (psf)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS LL-PL-PI	PERCENT FINES
				Bulk sample; 0-5'							
			8	8-12-11 N=23				1.8			
5			12	3-5-4 N=9				1.7			
			10	5-4-3 N=7				11.4			
10			10	3-6-6 N=12				8.0			
			14	5-4-6 N=10				5.0			
15			14	5-5-7 N=12				4.3			
20			18	5-6-8 N=14				4.0			8
25			12	3-1-0 N=1				5.8			
30			18	5-6-10 N=16		7000 (HP)		17.4 26.6			

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Solid stem auger

Abandonment Method:
Boring backfilled with soil cuttings, bentonite chips, and patched with asphalt upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS
None observed after drilling

Terracon
3105 Capital Way, Ste 5
Cedar Falls, IA

Boring Started: 09-09-2021 | Boring Completed: 09-09-2021
Drill Rig: 589 | Driller: WE
Project No.: 13215049

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 13215049 MAIN STREET RECON.GPJ TERRACON_DATATEMPLATE.GDT 10/1/21

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Falls IA C/Main Street Reconstruction/CAD/Plans/0021C017.02_Q01_SHT

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: TERRACON CHECKED BY: C. CARPER DRAWN BY: R. KLINE
LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 3:15:10 AM
CAD FILE: c:\pw_workdir\pw_ie\cjc\d0518375\0021C017.02_Q01_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
SOIL BORING LOGS

SHEET NO.
Q.1

SB #3 STA 1010+27.42, 65.62' RT

BORING LOG NO. 3

Page 1 of 1

PROJECT: Main Street Reconstruction

CLIENT: Foth Infrastructure & Environment LLC
Cedar Rapids, IA

SITE: University Ave to 6th St
Cedar Falls, IA

LOCATION See Exploration Plan
Latitude: 42.5159° Longitude: -92.4456°
Surface Elev.: 873.5 (Ft.)

DEPTH	ELEVATION (Ft.)	Description
0.3	873	**ASPHALT**
1.0	872.5	**CONCRETE**
		FILL - SANDY LEAN CLAY, with zones of sand, trace gravel, dark brown
7.0	866.5	**FILL - CLAYEY SAND**, with gravel, fine to coarse grained, dark gray brown
19.5	854	**SAND (SP-SC)**, with clay, trace gravel, fine to coarse grained, light brown, medium dense
29.0	844.5	**SANDY LEAN CLAY (CL)**, trace gravel, light brown, stiff
30.5	843	***Boring Terminated at 30.5 Feet***

Sample	Recovery (In.)	Field Test Results	Water Content (%)
	9	3-2-3 N=5	15.6
	11		11.7
	15	2-3-3 N=6	6.5 6.5
	14	5-5-6 N=11	13.0
	13	2-3-4 N=7	7.8
	11	3-1-2 N=3	9.7
	17	4-5-6 N=11	9.3 5.8
	14	5-7-8 N=15	6.6
	18	2-3-3 N=6 2000 (HP)	19.2

Percent Fines: 24

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Solid stem auger

Abandonment Method:
Boring backfilled with soil cuttings, bentonite chips, and patched with asphalt upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS
None observed after drilling

Terracon
3105 Capital Way, Ste 5
Cedar Falls, IA

Boring Started: 09-10-2021 | Boring Completed: 09-10-2021
Drill Rig: 589 | Driller: WE
Project No.: 13215049

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 13215049 MAIN STREET RECON.GPJ TERRACON_DATATEMPLATE.GDT 10/1/21

SB #4 STA 1015+55.87, 19.70' RT

BORING LOG NO. 4

Page 1 of 1

PROJECT: Main Street Reconstruction

CLIENT: Foth Infrastructure & Environment LLC
Cedar Rapids, IA

SITE: University Ave to 6th St
Cedar Falls, IA

LOCATION See Exploration Plan
Latitude: 42.5174° Longitude: -92.4458°
Surface Elev.: 875.5 (Ft.)

DEPTH	ELEVATION (Ft.)	Description
0.3	875	**ASPHALT**
0.6	875	**CONCRETE**
		FILL - SANDY LEAN CLAY, gray, dark brown, and brown
6.5	869	**SANDY LEAN CLAY (CL)**, trace gravel, gray and light brown, stiff
11.6	864	***Sampler refusal in bedrock at 11.6 Feet***

Sample	Recovery (In.)	Field Test Results	Unconfined Compressive Strength (psf)	Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits LL-PL-PI	Percent Fines
	10	3-3-4 N=7		16.1			
	7			22.4		42-16-26	59
	18	2-2-3 N=5 3500 (HP)		19.3			
	22	50/1"	3210	18.0	108		

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Solid stem auger

Abandonment Method:
Boring backfilled with soil cuttings, bentonite chips, and patched with asphalt upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS
None observed after drilling

Terracon
3105 Capital Way, Ste 5
Cedar Falls, IA

Boring Started: 09-08-2021 | Boring Completed: 09-08-2021
Drill Rig: 589 | Driller: WE
Project No.: 13215049

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 13215049 MAIN STREET RECON.GPJ TERRACON_DATATEMPLATE.GDT 10/1/21

SB #5 STA 1021+53.53, 4.57' LT

BORING LOG NO. 5

Page 1 of 1

PROJECT: Main Street Reconstruction

CLIENT: Foth Infrastructure & Environment LLC
Cedar Rapids, IA

SITE: University Ave to 6th St
Cedar Falls, IA

LOCATION See Exploration Plan
Latitude: 42.5190° Longitude: -92.4459°
Surface Elev.: 872.5 (Ft.)

DEPTH	ELEVATION (Ft.)	Description	Sample Type	Recovery (In.)	Field Test Results	Organic Content, %	Laboratory HP (psf)	Unconfined Compressive Strength (psf)	Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits LL-PL-PI	Percent Fines
0.3	872	**ASPHALT**										
0.7	872	**CONCRETE**										
3.5	869	**FILL - LEAN CLAY**, with sand, dark brown		4	2-2-5 N=7	5			22.5			
6.0	866.5	**FILL - SAND**, with clay, trace gravel, fine to coarse grained, brown		12	3-3-4 N=7				6.7			
11.0	861.5	**SANDY LEAN CLAY (CL)**, trace gravel, with sand seams, gray brown, stiff to medium stiff		10	1-2-3 N=5 2000 (HP)				18.0			
				19				1880	20.5	108		
		Boring Terminated at 11 Feet										

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Solid stem auger

Abandonment Method:
Boring backfilled with soil cuttings, bentonite chips, and patched with asphalt upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS
None observed after drilling

Terracon
3105 Capital Way, Ste 5
Cedar Falls, IA

Boring Started: 09-09-2021 | Boring Completed: 09-09-2021
Drill Rig: 589 | Driller: WE
Project No.: 13215049

SB #6 STA 1027+36.61, 0.80' RT

BORING LOG NO. 6

Page 1 of 1

PROJECT: Main Street Reconstruction

CLIENT: Foth Infrastructure & Environment LLC
Cedar Rapids, IA

SITE: University Ave to 6th St
Cedar Falls, IA

LOCATION See Exploration Plan
Latitude: 42.5206° Longitude: -92.4458°
Surface Elev.: 869.5 (Ft.)

DEPTH	ELEVATION (Ft.)	Description	Sample Type	Recovery (In.)	Field Test Results	Organic Content, %	Laboratory HP (psf)	Unconfined Compressive Strength (psf)	Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits LL-PL-PI	Percent Fines
0.3	869	**ASPHALT**										
0.6	869	**CONCRETE**										
3.5	866	**FILL - SANDY LEAN CLAY**, with sand layers, gray and brown		8	4-12-5 N=17				6.9			
11.5	858	**SAND (SP-SC)**, with clay, trace gravel, fine to coarse grained, brown, loose		12	3-3-4 N=7				8.8			
				14	2-1-3 N=4				6.3			
				16	3-6-8 N=14				6.0			
19.0	850.5	**SAND (SP-SC)**, with clay, trace gravel, fine to coarse grained, brown, medium dense		16	7-9-13 N=22				5.7			
				18	6-8-7 N=15				5.2			
20.5	849	**SAND (SP-SC)**, with clay layers, trace gravel, fine to coarse grained, brown, loose		16	3-2-3 N=5				7.7			
		Boring Terminated at 20.5 Feet										

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Solid stem auger

Abandonment Method:
Boring backfilled with soil cuttings, bentonite chips, and patched with asphalt upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS
None observed after drilling

Terracon
3105 Capital Way, Ste 5
Cedar Falls, IA

Boring Started: 09-08-2021 | Boring Completed: 09-08-2021
Drill Rig: 589 | Driller: WE
Project No.: 13215049

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pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Falls IA C\Main Street Reconstruction\CAD\Plans\0021C017.02_Q01_SHT

SB #7 STA 1031+49.99, 20.94' LT

BORING LOG NO. 7

Page 1 of 1

PROJECT: Main Street Reconstruction

CLIENT: Foth Infrastructure & Environment LLC
Cedar Rapids, IA

SITE: University Ave to 6th St
Cedar Falls, IA

LOCATION See Exploration Plan
Latitude: 42.5217° Longitude: -92.4459°
Surface Elev.: 865.5 (Ft.)

DEPTH	ELEVATION (Ft.)	Description
0.4	865	**ASPHALT**
0.8	864.5	**CONCRETE**
3.5	862	**FILL - SANDY LEAN CLAY**, trace gravel, dark gray
6.0	859.5	**FILL - SANDY LEAN CLAY**, trace organics, dark brown
8.5	857	**FILL - CLAYEY SAND**, trace gravel, fine to medium grained, dark brown
11.5	854	**SAND (SP-SC)**, with gravel and clay, fine to coarse grained, brown, medium dense
13.0	852.5	**FAT CLAY (CH)**, with gravel and sand, olive brown and blue gray, very stiff (residual soil)
16.0	849.5	**LIMESTONE**, highly weathered and broken, light gray
		Auger Refusal at 16 Feet

Depth (Ft.)	Recovery (In.)	Field Test Results	Organic Content, %	Laboratory HP (psf)	Water Content (%)	Percent Fines
	10	4-5-7 N=12			9.5	
5	10	1-2-2 N=4	5		25.3	
	14	2-1-3 N=4			18.2	
10	10	4-6-6 N=12			5.9	9
	9	4-6-5 N=11		6000 (HP)	21.9	
15	8	10-5-20 N=25			1.9	
	0	50/0"				

Stratification lines are approximate. In-situ, the transition may be gradual.
Classification of rock estimated from disturbed samples. Core samples and petrographic analysis may reveal other rock types.

Hammer Type: Automatic

Advancement Method:
Solid stem auger

Abandonment Method:
Boring backfilled with soil cuttings, bentonite chips, and patched with asphalt upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS
None observed after drilling

Terracon
3105 Capital Way, Ste 5
Cedar Falls, IA

Boring Started: 09-09-2021 | Boring Completed: 09-09-2021
Drill Rig: 589 | Driller: WE
Project No.: 13215049

SB #8-ALT STA 1032+71.73, 129.42' RT

BORING LOG NO. 8 ALT

Page 1 of 1

PROJECT: Main Street Reconstruction

CLIENT: Foth Infrastructure & Environment LLC
Cedar Rapids, IA

SITE: University Ave to 6th St
Cedar Falls, IA

LOCATION See Exploration Plan
Latitude: 42.5220° Longitude: -92.4453°
Surface Elev.: 867.0 (Ft.)

DEPTH	ELEVATION (Ft.)	Description
0.3	866.5	**FILL - TOPSOIL**
		FILL - SANDY LEAN CLAY, with zones of sand and concrete rubble, dark brown and gray
8.0	859	**FILL - CLAYEY SAND**, with brick rubble, fine to coarse grained, dark brown and brown
11.5	855.5	**FILL - SANDY LEAN CLAY**, with zones of sand, trace organics, dark brown and brown
14.5	852.5	**SANDY LEAN CLAY (CL)**, trace gravel, with sand layers, gray and light brown, stiff
23.5	843.5	***Sampler refusal in bedrock at 23.5 Feet***

Depth (Ft.)	Recovery (In.)	Field Test Results	Laboratory HP (psf)	Water Content (%)
	18	10-9-10 N=19		12.1
5	7	3-3-4 N=7		14.1
	14	5-2-4 N=6		12.9
10	18	2-3-5 N=8		11.2
	16	2-5-5 N=10		32.3
15	13	2-3-5 N=8		5.1
20	10	3-2-3 N=5	2000 (HP)	27.8
	0	50/0"		

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Solid stem auger

Abandonment Method:
Boring backfilled with soil cuttings and bentonite chips upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS
22' observed while drilling

Terracon
3105 Capital Way, Ste 5
Cedar Falls, IA

Boring Started: 09-10-2021 | Boring Completed: 09-10-2021
Drill Rig: 589 | Driller: WE
Project No.: 13215049

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 13215049 MAIN STREET RECON.GPJ TERRACON_DATATEMPLATE.GDT 10/1/21

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Falls IA C/Main Street Reconstruction/CAD/Plans/0021C017.02_Q01_SHT

CLIENT PROJECT NO:	STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO:	0021C017.02
DESIGNED BY:	TERRACON	CHECKED BY:	C. CARPER
DRAWN BY:	R. KLINE		
LETTING DATE:	11/15/2022	CAD DATE:	9/1/2022 3:15:16 AM
CAD FILE:	c:\pw_workdir\pw_ie\cjc\d0518375\0021C017.02_Q01_SHT.dgn		

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
SOIL BORING LOGS

SHEET NO.
Q.4

SB #9 STA 1033+36.23, 145.72' RT

BORING LOG NO. 9

Page 1 of 1

PROJECT: Main Street Reconstruction

CLIENT: Foth Infrastructure & Environment LLC
Cedar Rapids, IA

SITE: University Ave to 6th St
Cedar Falls, IA

LOCATION See Exploration Plan
Latitude: 42.5222° Longitude: -92.4452°
Surface Elev.: 866.5 (Ft.)

DEPTH	ELEVATION (Ft.)	Description	Sample Type	Recovery (In.)	Field Test Results	Water Content (%)
0.8	865.5	**CONCRETE**				
1.3	865	**FILL - GRAVEL**				
		FILL - SAND, with zones of clay and limestone gravel, fine to coarse grained, dark brown and brown		10	7-6-9 N=15	8.1
				12	3-3-2 N=5	3.5
6.5	860	**FILL - CLAYEY SAND**, trace gravel, fine to medium grained, dark brown		14	3-4-5 N=9	10.7
				18	3-4-4 N=8	10.6
12.0	854.5	**SAND (SP-SC)**, with clay, trace gravel, fine to coarse grained, brown, medium dense		18	4-6-7 N=13	23.2 / 6.3
				4	11-10-10 N=20	6.5
17.5	849	**LIMESTONE**, highly weathered and broken, light brown				
19.0	847.5	***Sampler Refusal at 19 Feet***		0	50/0"	

Percent Fines: 17

Stratification lines are approximate. In-situ, the transition may be gradual.
Classification of rock estimated from disturbed samples. Core samples and petrographic analysis may reveal other rock types.

Hammer Type: Automatic

Advancement Method:
Solid stem auger

Abandonment Method:
Boring backfilled with soil cuttings, bentonite chips, and patched with asphalt upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS
None observed after drilling

Terracon
3105 Capital Way, Ste 5
Cedar Falls, IA

Boring Started: 09-10-2021
Boring Completed: 09-10-2021
Drill Rig: 589
Driller: WE
Project No.: 13215049

SB #10 STA 1037+78.53, 27.80' LT

BORING LOG NO. 10

Page 1 of 1

PROJECT: Main Street Reconstruction

CLIENT: Foth Infrastructure & Environment LLC
Cedar Rapids, IA

SITE: University Ave to 6th St
Cedar Falls, IA

LOCATION See Exploration Plan
Latitude: 42.5234° Longitude: -92.4457°
Surface Elev.: 866.0 (Ft.)

DEPTH	ELEVATION (Ft.)	Description	Sample Type	Recovery (In.)	Field Test Results	Water Content (%)
0.4	865.5	**ASPHALT**				
1.0	865	**CONCRETE**				
		FILL - SAND, trace gravel and clay, fine to medium grained, light brown		14	8-11-10 N=21	6.8
3.0	863	**SAND (SP-SC)**, with clay, trace gravel, light brown, medium dense		14	3-5-7 N=12	5.6
				16	4-8-8 N=16	4.3
9.0	857	**SAND (SP-SM)**, with silt, trace gravel, fine to medium grained, light brown, medium dense to loose		18	5-8-10 N=18	5.7
				18	5-7-6 N=13	6.5
				18	4-5-4 N=9	9.4
18.0	848	**SANDY SILT (ML)**, gray, stiff				
20.5	845.5	***Boring Terminated at 20.5 Feet***		18	2-2-3 N=5 2500 (HP)	22.8

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Solid stem auger

Abandonment Method:
Boring backfilled with soil cuttings, bentonite chips, and patched with asphalt upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS
None observed after drilling

Terracon
3105 Capital Way, Ste 5
Cedar Falls, IA

Boring Started: 09-09-2021
Boring Completed: 09-09-2021
Drill Rig: 589
Driller: WE
Project No.: 13215049

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 13215049 MAIN STREET RECON.GPJ TERRACON_DATATEMPLATE.GDT 10/1/21

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SB #11 STA 1043+74.16, 18.81' RT

BORING LOG NO. 11

Page 1 of 1

PROJECT: Main Street Reconstruction

CLIENT: Foth Infrastructure & Environment LLC
Cedar Rapids, IA

SITE: University Ave to 6th St
Cedar Falls, IA

LOCATION See Exploration Plan
Latitude: 42.5251° Longitude: -92.4455°
Surface Elev.: 872.5 (Ft.)

DEPTH	ELEVATION (Ft.)	Description	Sample Type	Recovery (In.)	Field Test Results	Laboratory HP (psf)	Unconfined Compressive Strength (psf)	Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits LL-PL-PI	Percent Fines
0.3	872	**ASPHALT**									
0.6	872	**CONCRETE**									
		FILL - SANDY LEAN CLAY, trace gravel, dark gray and dark brown		10	1-1-2 N=3			18.6			
3.5	869										
4.5	868	**FILL - SAND**, trace gravel, fine to coarse grained, brown									
		SANDY FAT CLAY (CH), trace gravel, brown, very stiff		18			4830	8.0 16.1	110	57-17-40	
				12	4-6-6 N=12 5000 (HP)			23.7			
8.0	864.5	**SANDY LEAN CLAY (CL)**, trace gravel, gray brown, stiff									
10.0	862.5	**SANDY LEAN CLAY (CL)**, trace gravel, light brown, stiff		12		3500 (HP)		16.8	114		
				18	3-4-7 N=11			16.1			
15.0	857.5			17	4-4-7 N=11	2000 (HP)		16.3 9.9			
15.5	857	**SAND (SP-SC)**, with clay, trace gravel, fine to medium grained, brown, medium dense									
		Boring Terminated at 15.5 Feet									

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Solid stem auger

Abandonment Method:
Boring backfilled with soil cuttings, bentonite chips, and patched with asphalt upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

None observed after drilling

Terracon
3105 Capital Way, Ste 5
Cedar Falls, IA

Boring Started: 09-08-2021 | Boring Completed: 09-08-2021
Drill Rig: 589 | Driller: WE
Project No.: 13215049

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 13215049 MAIN STREET RECON.GPJ TERRACON_DATATEMPLATE.GDT 10/1/21

SB #12 STA 1050+51.97, 23.74' LT

BORING LOG NO. 12

Page 1 of 1

PROJECT: Main Street Reconstruction

CLIENT: Foth Infrastructure & Environment LLC
Cedar Rapids, IA

SITE: University Ave to 6th St
Cedar Falls, IA

LOCATION See Exploration Plan
Latitude: 42.5269° Longitude: -92.4456°
Surface Elev.: 880.5 (Ft.)

DEPTH	ELEVATION (Ft.)	Description	Water Level Observations	Sample Type	Recovery (In.)	Field Test Results	Laboratory HP (psf)	Unconfined Compressive Strength (psf)	Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits LL-PL-PI	Percent Fines
0.3	880	**ASPHALT**										
1.5	879	**FILL - CRUSHED STONE**										
		FILL - CLAYEY SAND, trace gravel, fine to coarse grained, brown			6	5-7-10 N=17			3.4			
					10	4-4-3 N=7			9.5			15
6.0	874.5	**SANDY LEAN CLAY (CL)**, trace gravel, light brown, medium stiff			18	2-2-3 N=5 1500 (HP)			16.9			
					10			1110	20.3	111		
11.5	869	**SANDY LEAN CLAY (CL)**, trace gravel, gray, stiff			16	3-4-5 N=9 4000 (HP)			15.3			
					16			3750	15.1	118		
19.0	861.5											
19.8	860.5	**LIMESTONE**, highly weathered, with clay layers, brown			5	15-50/4"			17.6			
		Sampler Refusal at 19.8 Feet										

Stratification lines are approximate. In-situ, the transition may be gradual.
Classification of rock estimated from disturbed samples. Core samples and petrographic analysis may reveal other rock types.

Hammer Type: Automatic

Advancement Method:
Solid stem auger

Abandonment Method:
Boring backfilled with soil cuttings, bentonite chips, and patched with asphalt upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

6' observed while drilling
9' observed after drilling

Terracon
3105 Capital Way, Ste 5
Cedar Falls, IA

Boring Started: 09-09-2021 | Boring Completed: 09-09-2021
Drill Rig: 589 | Driller: WE
Project No.: 13215049

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 13215049 MAIN STREET RECON.GPJ TERRACON_DATATEMPLATE.GDT 10/1/21

SB #13 STA 1052+97.19, 165.51' RT

BORING LOG NO. 13

Page 1 of 1

PROJECT: Main Street Reconstruction

CLIENT: Foth Infrastructure & Environment LLC
Cedar Rapids, IA

SITE: University Ave to 6th St
Cedar Falls, IA

LOCATION See Exploration Plan
Latitude: 42.5276° Longitude: -92.4449°
Surface Elev.: 873.0 (Ft.)

DEPTH	ELEVATION (Ft.)	Description	Sample Type	Recovery (In.)	Field Test Results	Water Content (%)
0.6	872.5	**CONCRETE**				
		FILL - SANDY LEAN CLAY, trace gravel, dark gray		12	7-8-8 N=16	14.0
4.0	869	**SAND (SP-SC)**, with clay, trace gravel, fine to medium grained, light brown		14	2-7-4 N=11	11.1
				18	6-9-11 N=20	5.4
10.5	862.5			17	5-8-10 N=18	4.6

Boring Terminated at 10.5 Feet

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Solid stem auger

Abandonment Method:
Boring backfilled with soil cuttings, bentonite chips, and patched with asphalt upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS
None observed after drilling

Terracon
3105 Capital Way, Ste 5
Cedar Falls, IA

Boring Started: 09-10-2021 | Boring Completed: 09-10-2021
Drill Rig: 589 | Driller: WE
Project No.: 13215049

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 13215049 MAIN STREET RECON.GPJ TERRACON_DATATEMPLATE.GDT 10/1/21

SB #14 STA 1055+84.06, 23.03' RT

BORING LOG NO. 14

Page 1 of 1

PROJECT: Main Street Reconstruction

CLIENT: Foth Infrastructure & Environment LLC
Cedar Rapids, IA

SITE: University Ave to 6th St
Cedar Falls, IA

LOCATION See Exploration Plan
Latitude: 42.5284° Longitude: -92.4455°
Surface Elev.: 876.0 (Ft.)

DEPTH	ELEVATION (Ft.)	Description	Sample Type	Recovery (In.)	Field Test Results	Organic Content, %	Laboratory HP (psf)	Water Content (%)
0.3	875.5	**ASPHALT**						
0.4	875.6	**CONCRETE**						
		FILL - SANDY LEAN CLAY, trace gravel, brown and dark gray		10	3-3-3 N=6			13.4
3.5	872.5	**FILL - SANDY LEAN CLAY**, with silt, trace gravel and sand, brown and dark brown		12	2-3-1 N=4	3.9		23.8
6.5	869.5							
7.5	868.5	**SANDY LEAN CLAY (CL)**, trace gravel, gray brown, stiff		16			2000 (HP)	18.8 10.3
		SAND (SP-SM), with silt, trace gravel, fine to medium grained, brown, medium dense						
10.5	865.5			18	11-13-15 N=28			6.0

Boring Terminated at 10.5 Feet

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Solid stem auger

Abandonment Method:
Boring backfilled with soil cuttings, bentonite chips, and patched with asphalt upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS
None observed after drilling

Terracon
3105 Capital Way, Ste 5
Cedar Falls, IA

Boring Started: 09-08-2021 | Boring Completed: 09-08-2021
Drill Rig: 589 | Driller: WE
Project No.: 13215049

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 13215049 MAIN STREET RECON.GPJ TERRACON_DATATEMPLATE.GDT 10/1/21

SB #15 STA 1061+92.58, 23.16' LT

BORING LOG NO. 15

Page 1 of 1

PROJECT: Main Street Reconstruction

CLIENT: Foth Infrastructure & Environment LLC
Cedar Rapids, IA

SITE: University Ave to 6th St
Cedar Falls, IA

LOCATION See Exploration Plan
Latitude: 42.5301° Longitude: -92.4456°
Surface Elev.: 877.5 (Ft.)

DEPTH	ELEVATION (Ft.)	Description	Depth (Ft.)	Sample Type	Recovery (In.)	Field Test Results	Water Content (%)	Dry Unit Weight (pcf)
0.3	877	**ASPHALT**						
0.5	877	**COBBLESTONES**						
4.0	873.5	**FILL - SANDY LEAN CLAY**, with zones of sand, trace gravel, dark brown			12	8-4-4 N=8	18.1	
6.0	871.5	**LEAN CLAY (CL)**, with sand, gray brown, stiff	5		18		23.8	96
19.0	858.5	**SAND (SP-SC)**, with clay, trace gravel, fine to medium grained, brown, dense to medium dense			18	10-13-17 N=30	5.2	
			10		18	10-12-15 N=27	5.0	
					16	9-11-9 N=20	5.5	
			15		18	7-9-13 N=22	6.2	
20.5	857	**SANDY LEAN CLAY (CL)**, trace gravel, light brown, very stiff	20		17	6-6-4 N=10	19.7	
		Boring Terminated at 20.5 Feet						

DEPTH	ELEVATION (Ft.)	Laboratory HP (psf)	Unconfined Compressive Strength (psf)	Organic Content, %	Atterberg Limits LL-PL-PI	Percent Fines
4.0	873.5				23-13-10	
6.0	871.5	2500 (HP)				
20.5	857	5000 (HP)				

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Solid stem auger

Abandonment Method:
Boring backfilled with soil cuttings, bentonite chips, and patched with asphalt upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

19' observed while sampling
19' observed after drilling

Terracon
3105 Capital Way, Ste 5
Cedar Falls, IA

Boring Started: 09-09-2021 | Boring Completed: 09-09-2021
Drill Rig: 589 | Driller: WE
Project No.: 13215049

SB #16 STA 1067+39.36, 23.26' RT

BORING LOG NO. 16

Page 1 of 1

PROJECT: Main Street Reconstruction

CLIENT: Foth Infrastructure & Environment LLC
Cedar Rapids, IA

SITE: University Ave to 6th St
Cedar Falls, IA

LOCATION See Exploration Plan
Latitude: 42.5316° Longitude: -92.4455°
Surface Elev.: 878.0 (Ft.)

DEPTH	ELEVATION (Ft.)	Description	Depth (Ft.)	Sample Type	Recovery (In.)	Field Test Results	Water Content (%)	Dry Unit Weight (pcf)
0.3	877.5	**ASPHALT**						
0.5	877.5	**BRICK**						
0.6	877.5	**FILL - COBBLES AND GRAVEL**			12	6-4-11 N=15	9.3	
		SAND (SP-SC), with clay, trace gravel, fine to medium grained, light brown, medium dense						
			5		18	7-9-12 N=21	3.8	
					18	5-7-10 N=17	4.0	
10.5	867.5		10		0	9-11-14 N=25		
		Boring Terminated at 10.5 Feet						

DEPTH	ELEVATION (Ft.)	Atterberg Limits LL-PL-PI	Percent Fines
0.6	877.5		11

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Solid stem auger

Abandonment Method:
Boring backfilled with soil cuttings, bentonite chips, and patched with asphalt upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

None observed after drilling

Terracon
3105 Capital Way, Ste 5
Cedar Falls, IA

Boring Started: 09-08-2021 | Boring Completed: 09-08-2021
Drill Rig: 589 | Driller: WE
Project No.: 13215049

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 13215049 MAIN STREET RECON.GPJ TERRACON_DATATEMPLATE.GDT 10/1/21

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SB #17 STA 1074+02.52, 10.21' LT

BORING LOG NO. 17

PROJECT: Main Street Reconstruction

CLIENT: Foth Infrastructure & Environment LLC
Cedar Rapids, IA

SITE: University Ave to 6th St
Cedar Falls, IA

LOCATION See Exploration Plan
Latitude: 42.5334° Longitude: -92.4456°
Surface Elev.: 866.0 (Ft.)

DEPTH	ELEVATION (Ft.)	Description
0.5	865.5	**CONCRETE**
0.7	865.5	**FILL - GRAVEL**
6.0	860	**SAND (SP-SC)**, with clay, trace gravel, fine to medium grained, light brown, medium dense
18.0	848	**SAND (SP)**, with clay layers, trace gravel, fine to medium grained, light brown, medium dense
20.5	845.5	**LIMESTONE**, highly weathered and broken, light gray
		Boring Terminated at 20.5 Feet

DEPTH (Ft.)	RECOVERY (In.)	FIELD TEST RESULTS	WATER CONTENT (%)
	6	12-10-7 N=17	5.0
5	16	6-8-11 N=19	4.4
	10	6-7-12 N=19	4.2
10	14	6-8-14 N=22	4.4
	16	5-9-10 N=19	4.2
15	18	6-7-7 N=14	10.3
20	10	10-22-13 N=35	

GRAPHIC LOG | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | ORGANIC CONTENT, % | LABORATORY HP (psf) | UNCONFINED COMPRESSIVE STRENGTH (psf) | DRY UNIT WEIGHT (pcf) | ATTERBERG LIMITS LL-PL-PI | PERCENT FINES

Stratification lines are approximate. In-situ, the transition may be gradual.
Classification of rock estimated from disturbed samples. Core samples and petrographic analysis may reveal other rock types.

Hammer Type: Automatic

Advancement Method:
Solid stem auger

Abandonment Method:
Boring backfilled with soil cuttings, bentonite chips, and patched with asphalt upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS
None observed after drilling

Terracon
3105 Capital Way, Ste 5
Cedar Falls, IA

Boring Started: 09-08-2021 | Boring Completed: 09-08-2021
Drill Rig: 589 | Driller: WE
Project No.: 13215049

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 13215049 MAIN STREET RECON.GPJ TERRACON_DATATEMPLATE.GDT 10/1/21

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CLIENT PROJECT NO:	STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO:	0021C017.02
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DRAWN BY:	R. KLINE		
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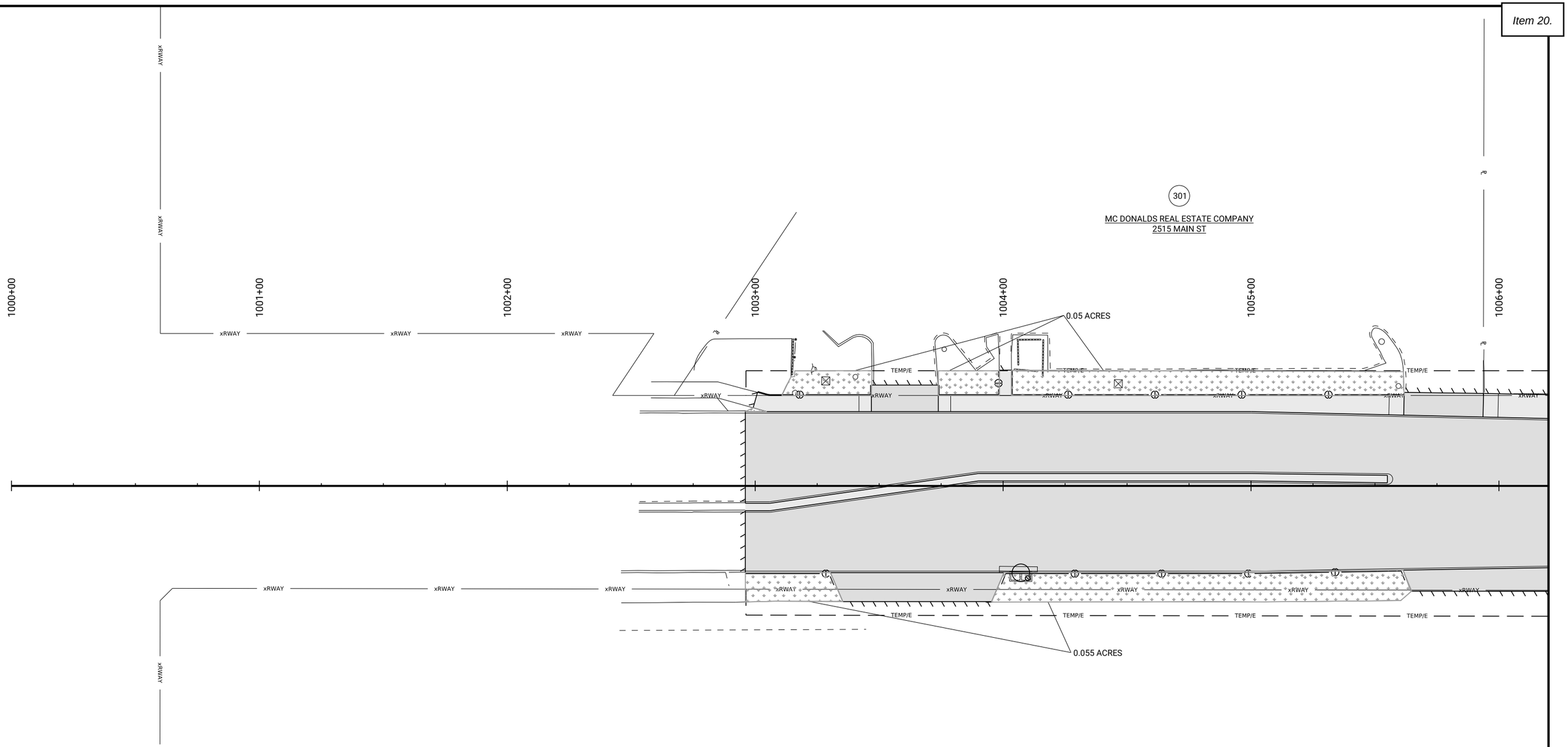
NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
SOIL BORING LOGS

SHEET NO.
Q.9



LEGEND

	SODDING		INLET PROTECTION
	SEEDING		FILTER SOCK

0 20
FEET

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: T. LECLAIR CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 11/15/2022 CAD DATE: 8/30/2022 4:30:00 PM
CAD FILE: c:\pw_workdir\pw_ie\fvd_kmw3\d0518375\0021C017.02_RR01_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
EROSION CONTROL SHEETS

SHEET NO.
RR.1
STBG-SWAP-1185(657

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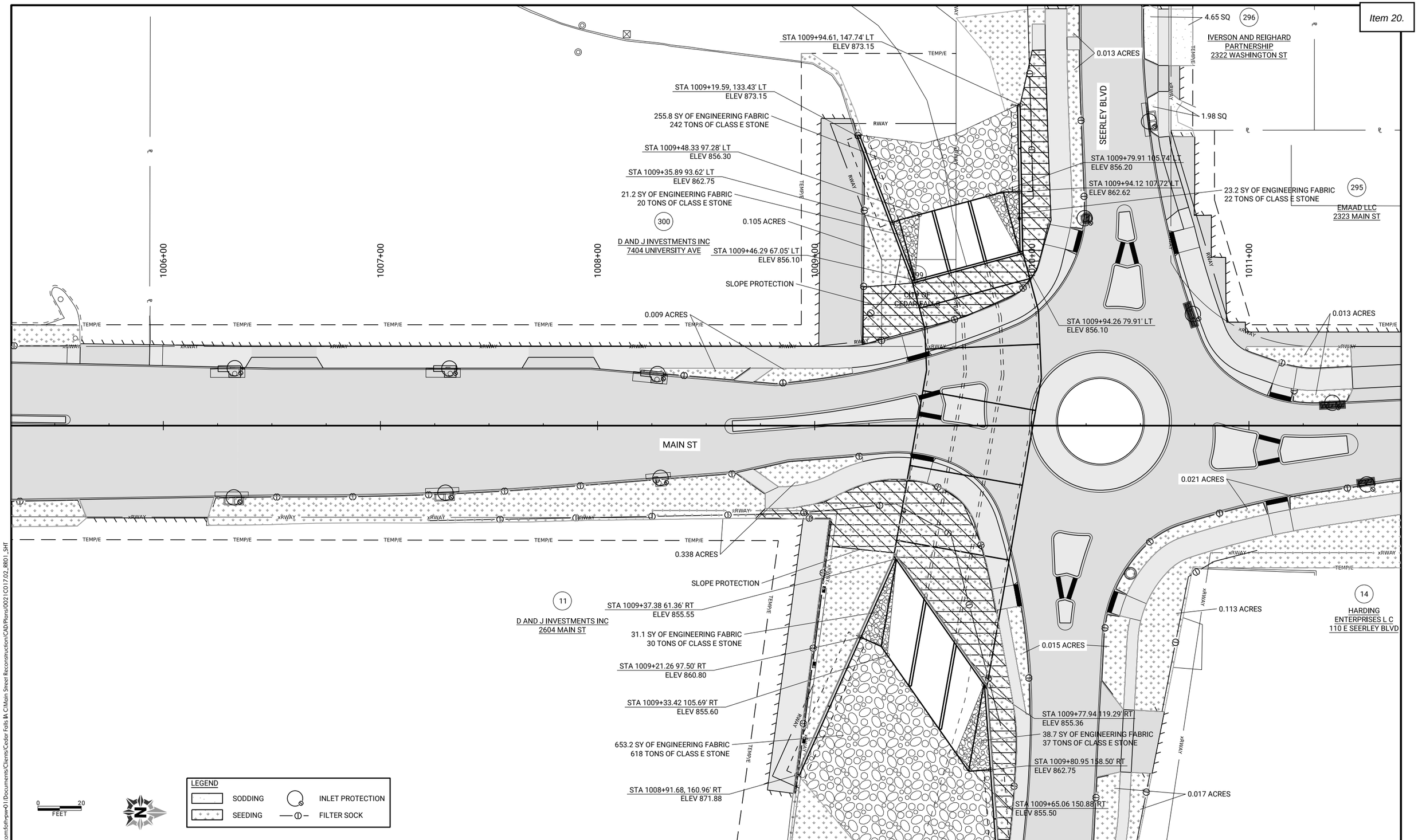

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
EROSION CONTROL SHEETS

SHEET NO.
RR.2
STBG-SWAP-1185(657

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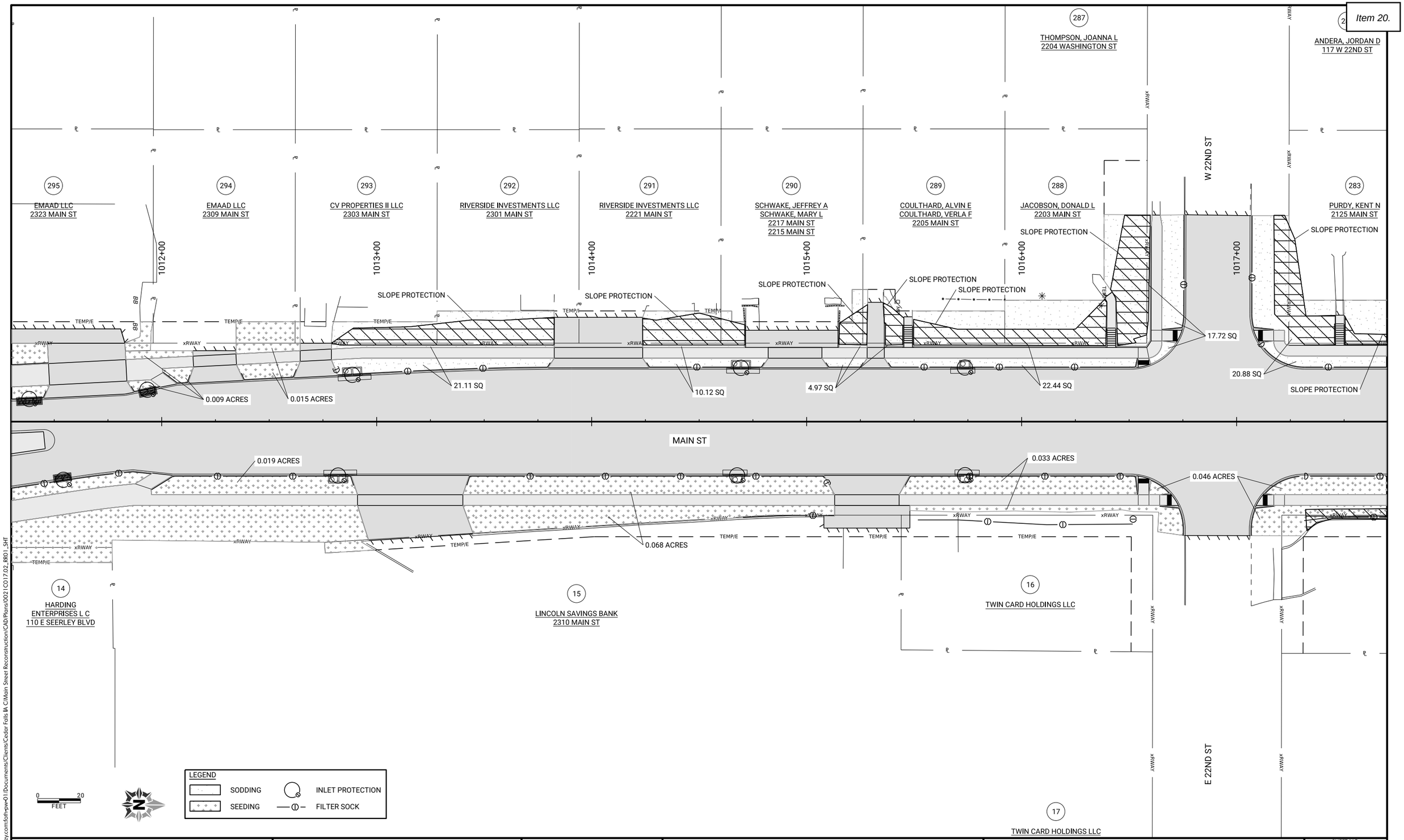

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
EROSION CONTROL SHEETS

SHEET NO.
RR.3
STBG-SWAP-1185(657)

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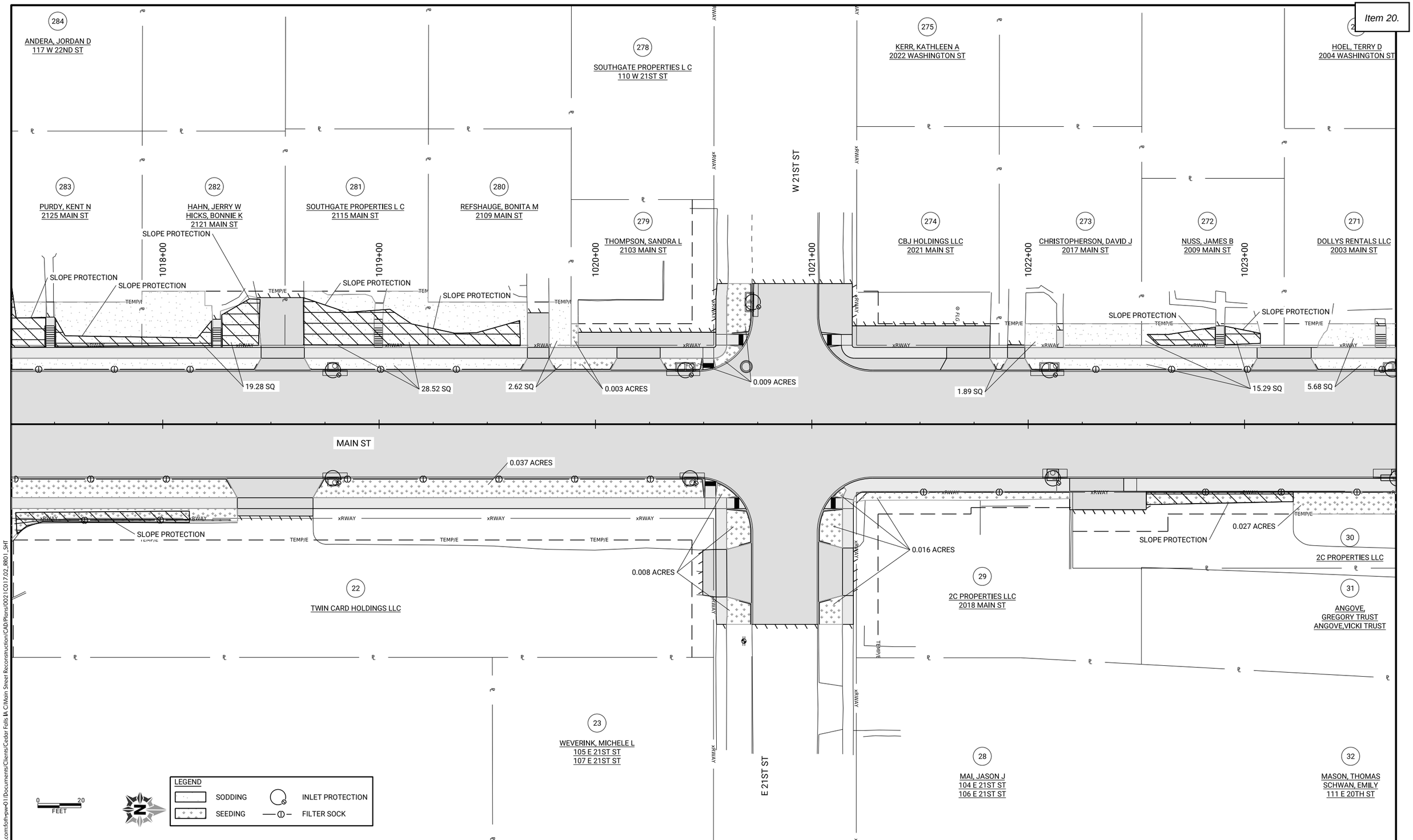

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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: T. LECLAIR	CHECKED BY: C. CARPER	DRAWN BY: K. WOLLNER	
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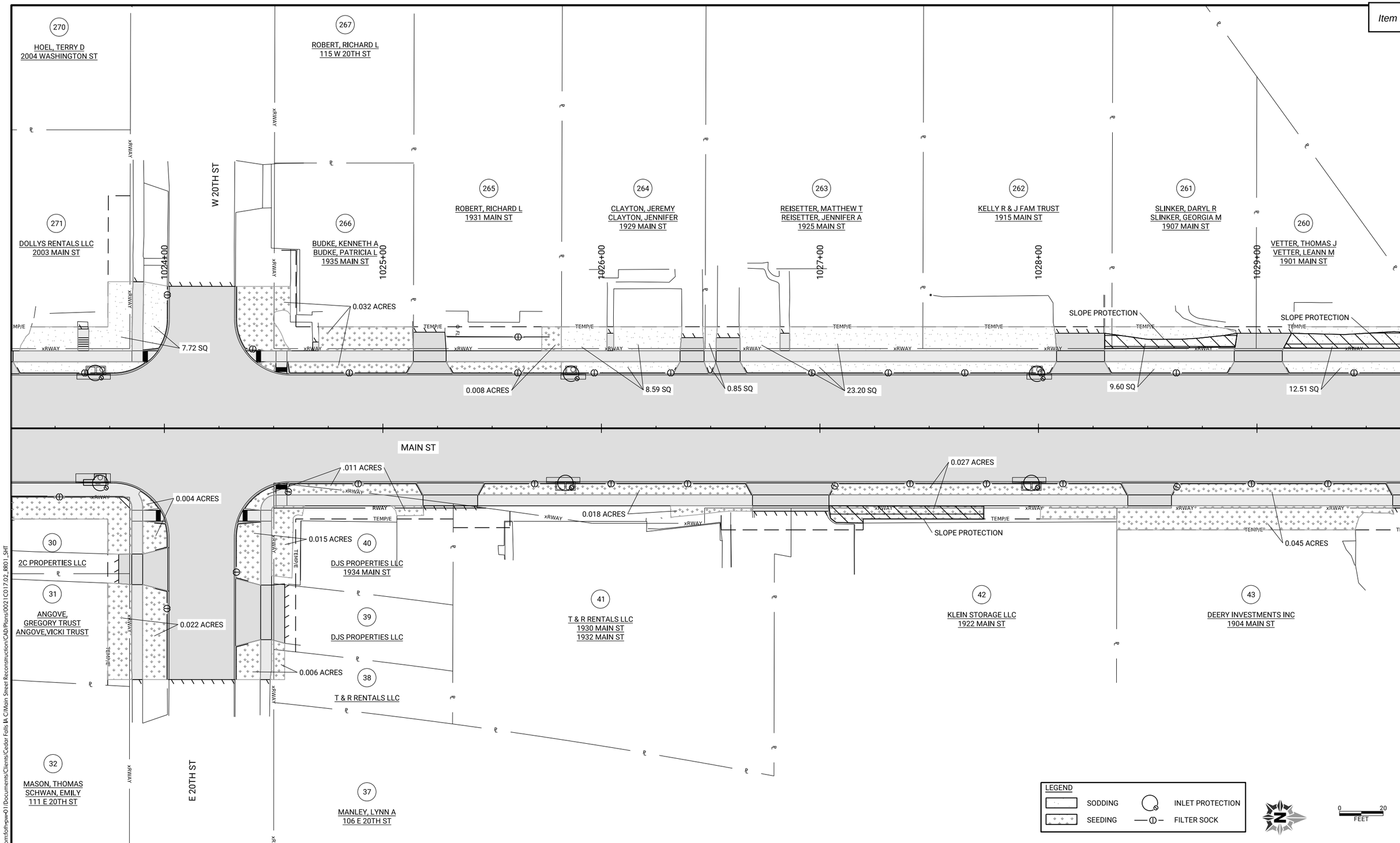
NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
EROSION CONTROL SHEETS

SHEET NO.
RR.4
STBG-SWAP-1185(657



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CLIENT PROJECT NO:	STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO:	0021C017.02
DESIGNED BY:	T. LECLAIR	CHECKED BY:	C. CARPER
DRAWN BY:	K. WOLLNER		
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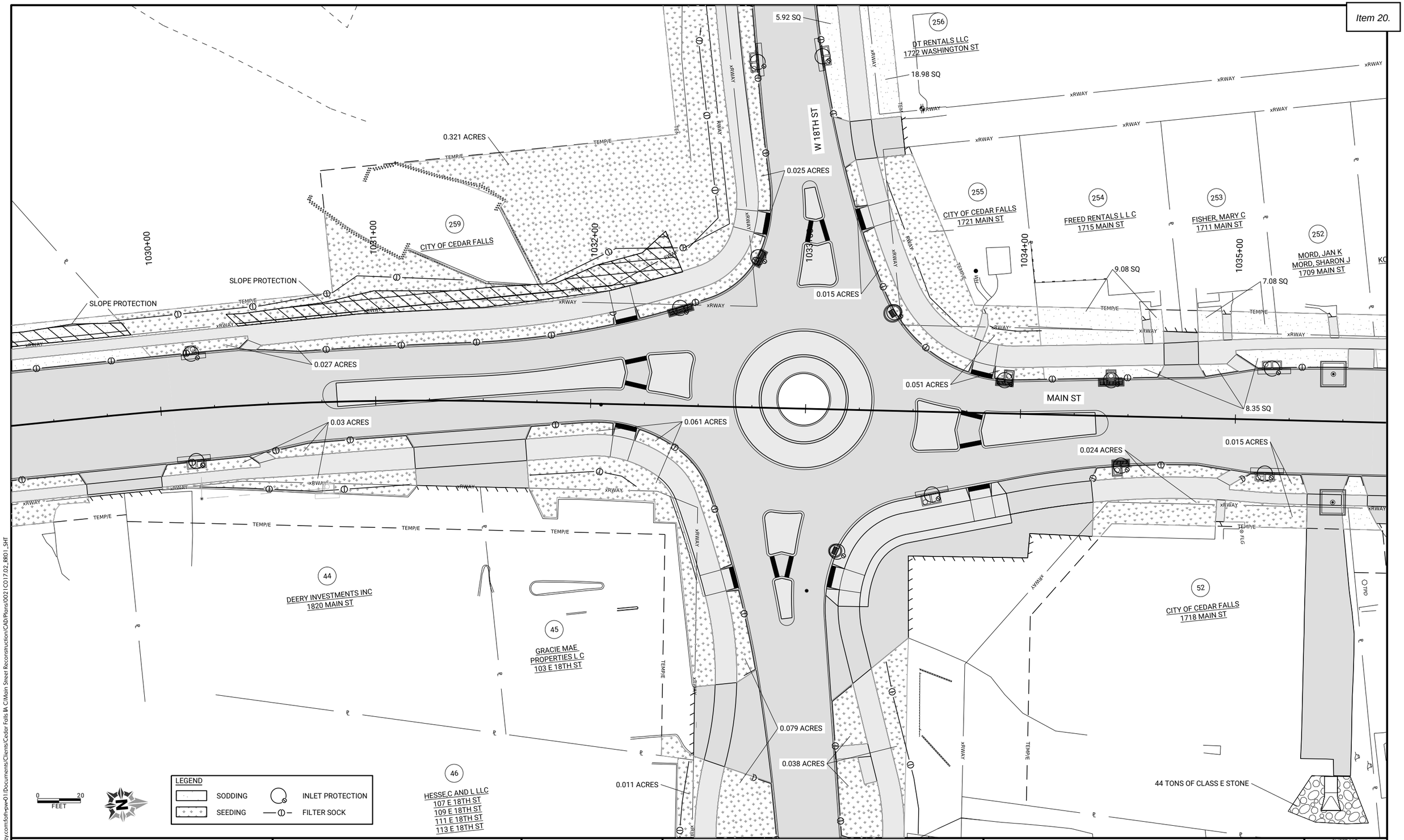
NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
EROSION CONTROL SHEETS

SHEET NO.
RR.5
STBG-SWAP-1185(657)



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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
EROSION CONTROL SHEETS

SHEET NO.
RR.6

STBG-SWAP-1185(657)

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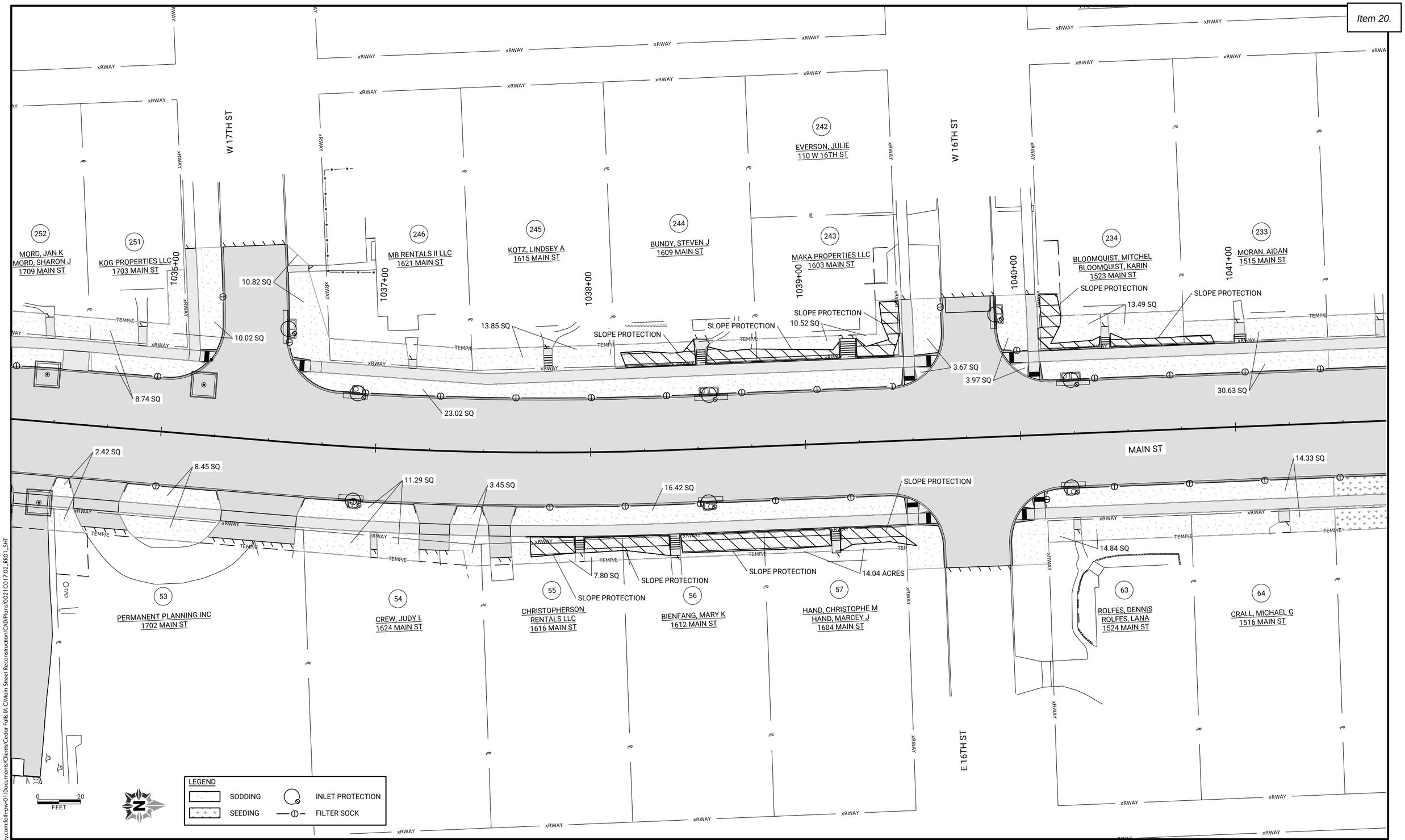

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DRAWN BY:	K. WOLLNER		
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Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
EROSION CONTROL SHEETS

SHEET NO.
RR.7
STBG-SWAP-1185(657

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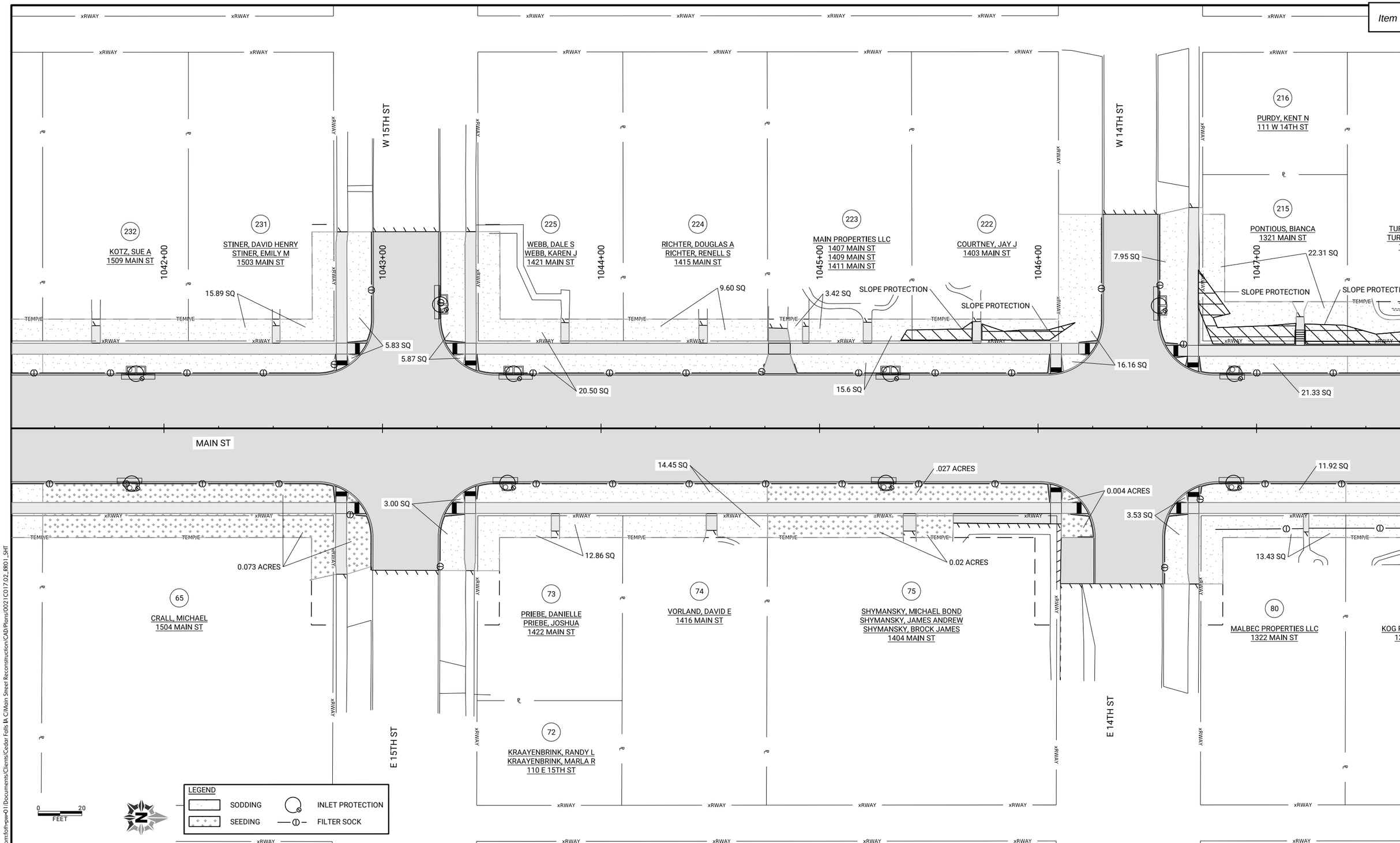

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
EROSION CONTROL SHEETS

SHEET NO.
RR.8
STBG-SWAP-1185(657

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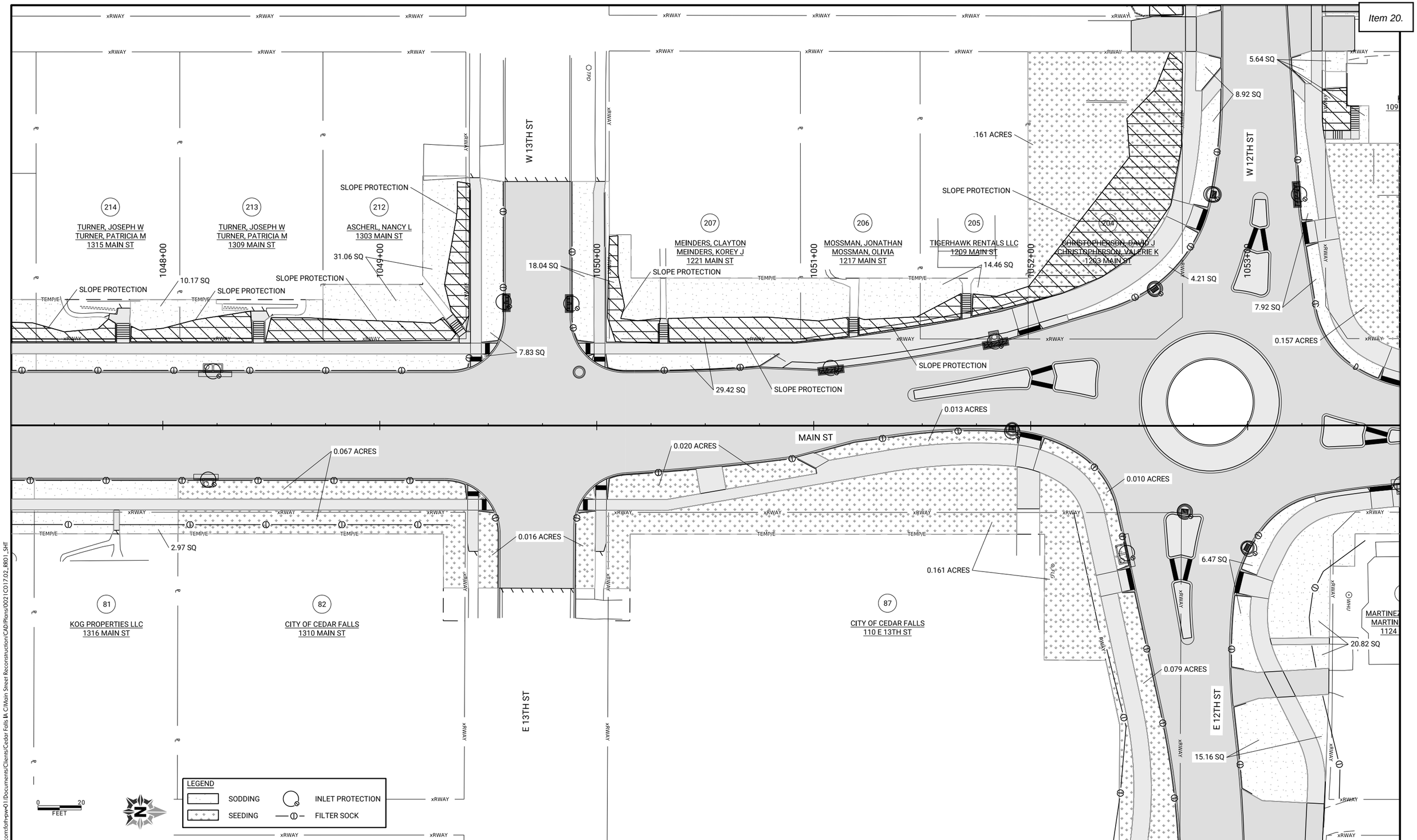

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
EROSION CONTROL SHEETS

SHEET NO.
RR.9
STBG-SWAP-1185(657)

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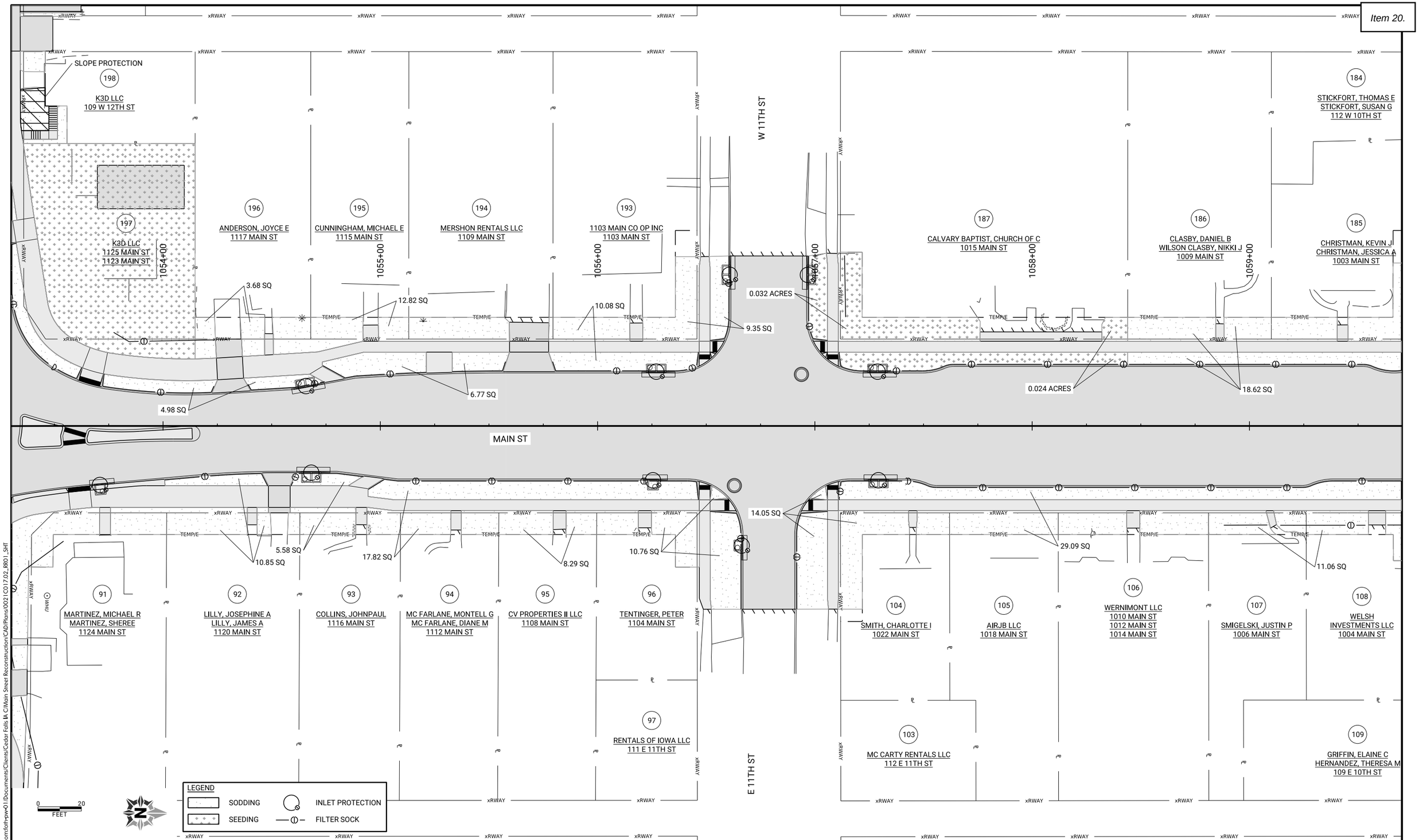

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
EROSION CONTROL SHEETS

SHEET NO.
RR.10
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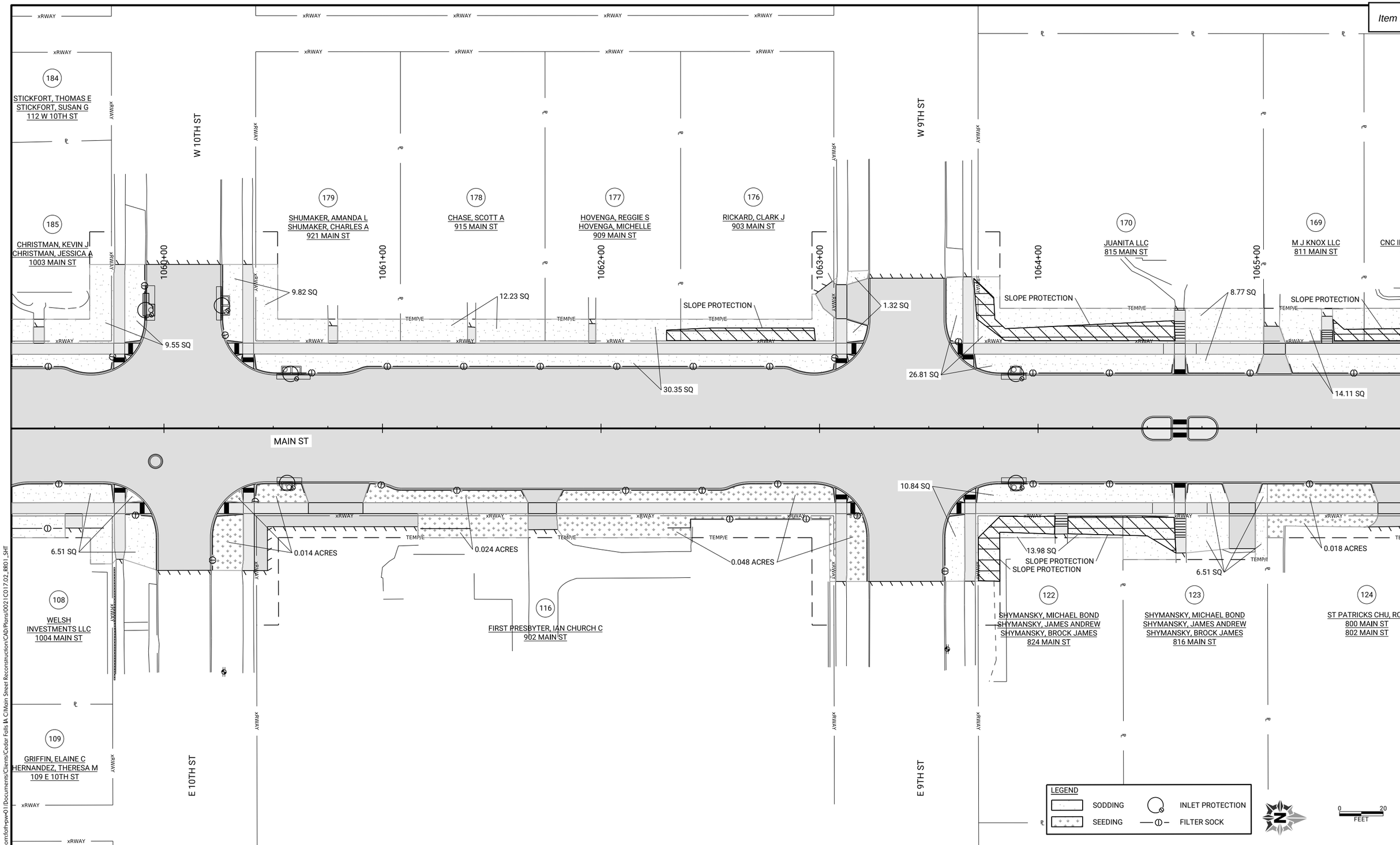

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
EROSION CONTROL SHEETS

SHEET NO.
RR.11
STBG-SWAP-1185(657

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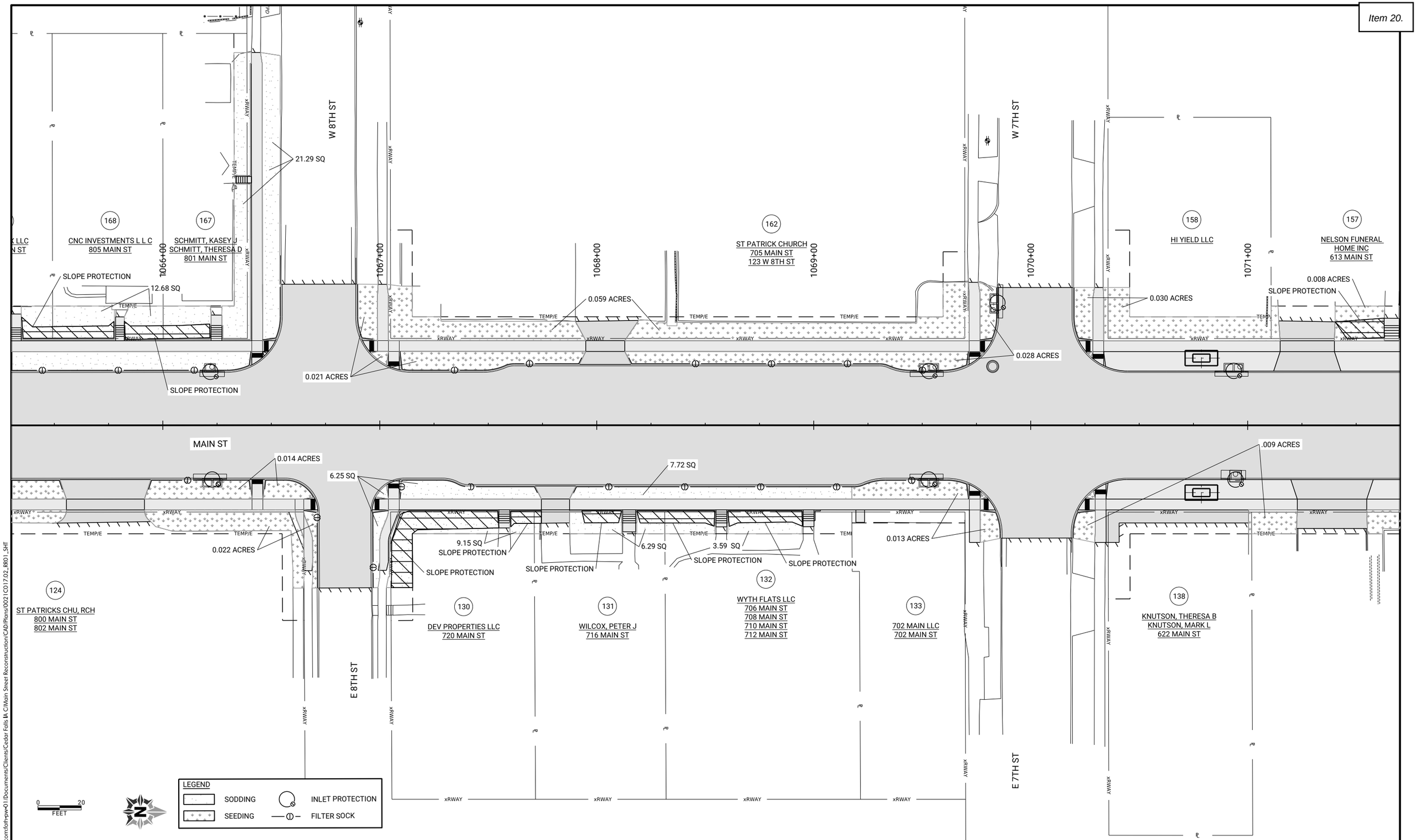

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
EROSION CONTROL SHEETS

SHEET NO.
RR.12

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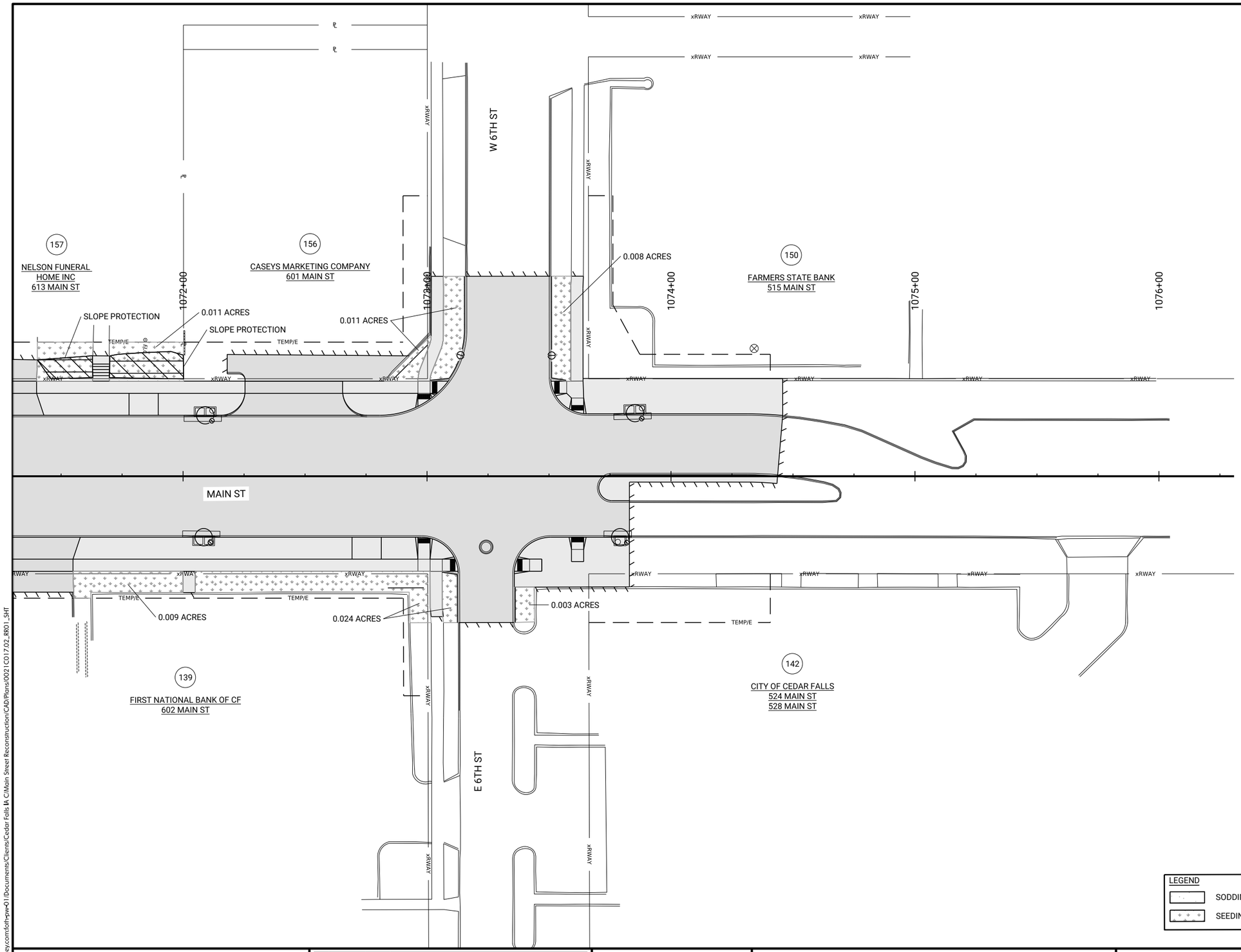

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
EROSION CONTROL SHEETS

SHEET NO.
RR.13
STBG-SWAP-1185(657

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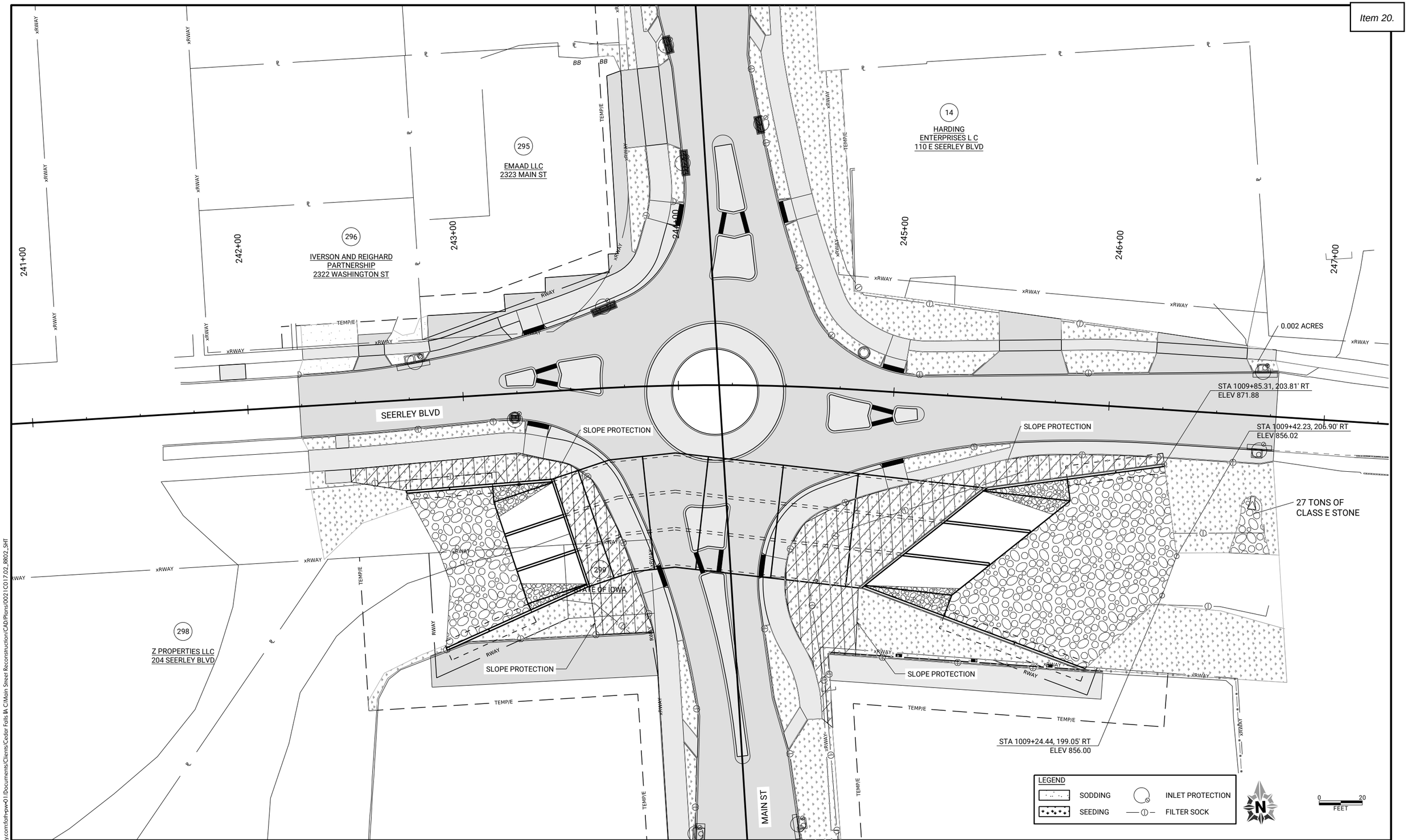

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
EROSION CONTROL SHEETS

SHEET NO.
RR.14
STBG-SWAP-1185(657

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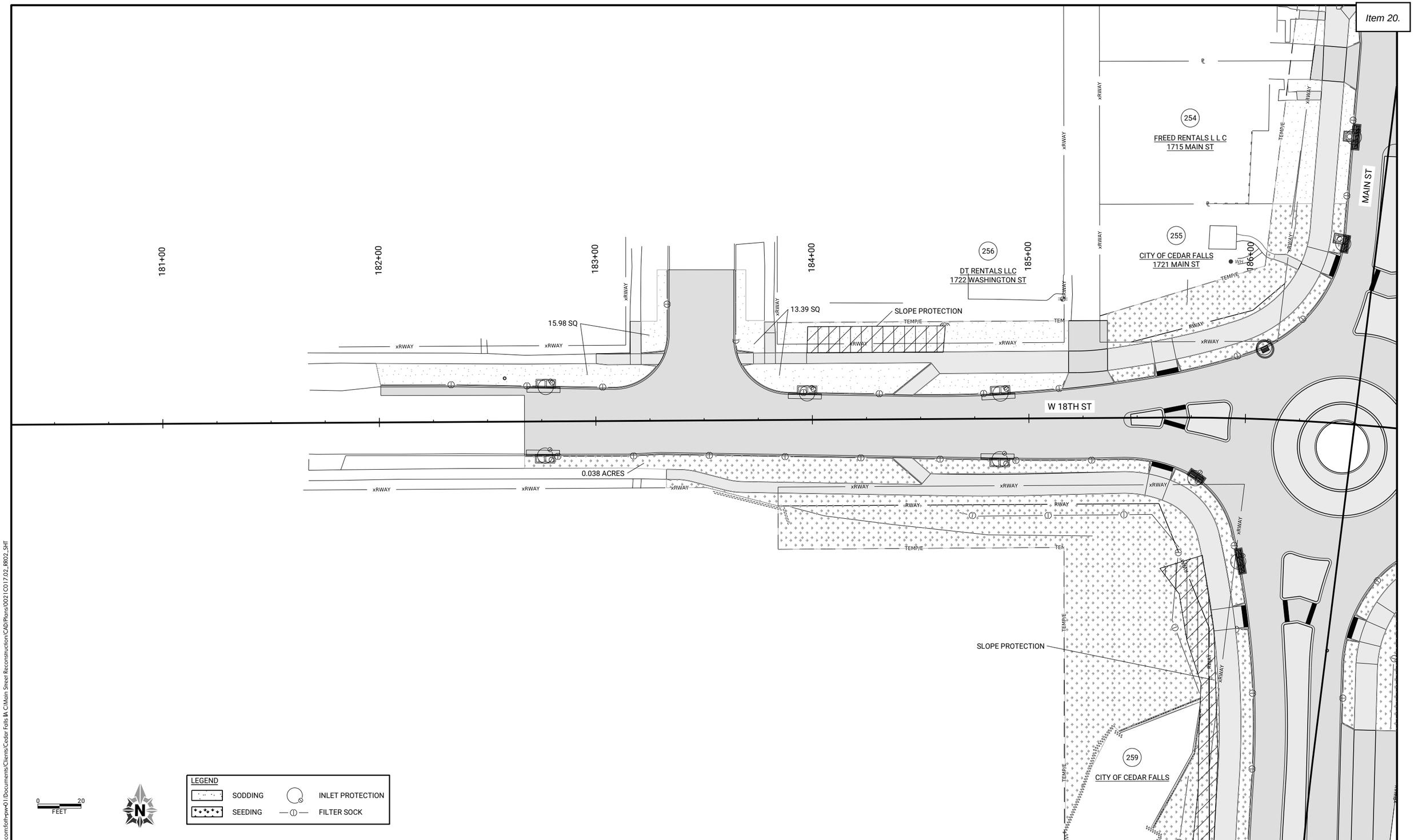

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
EROSION CONTROL SHEETS

SHEET NO.
RR.15

STBG-SWAP-1185(657

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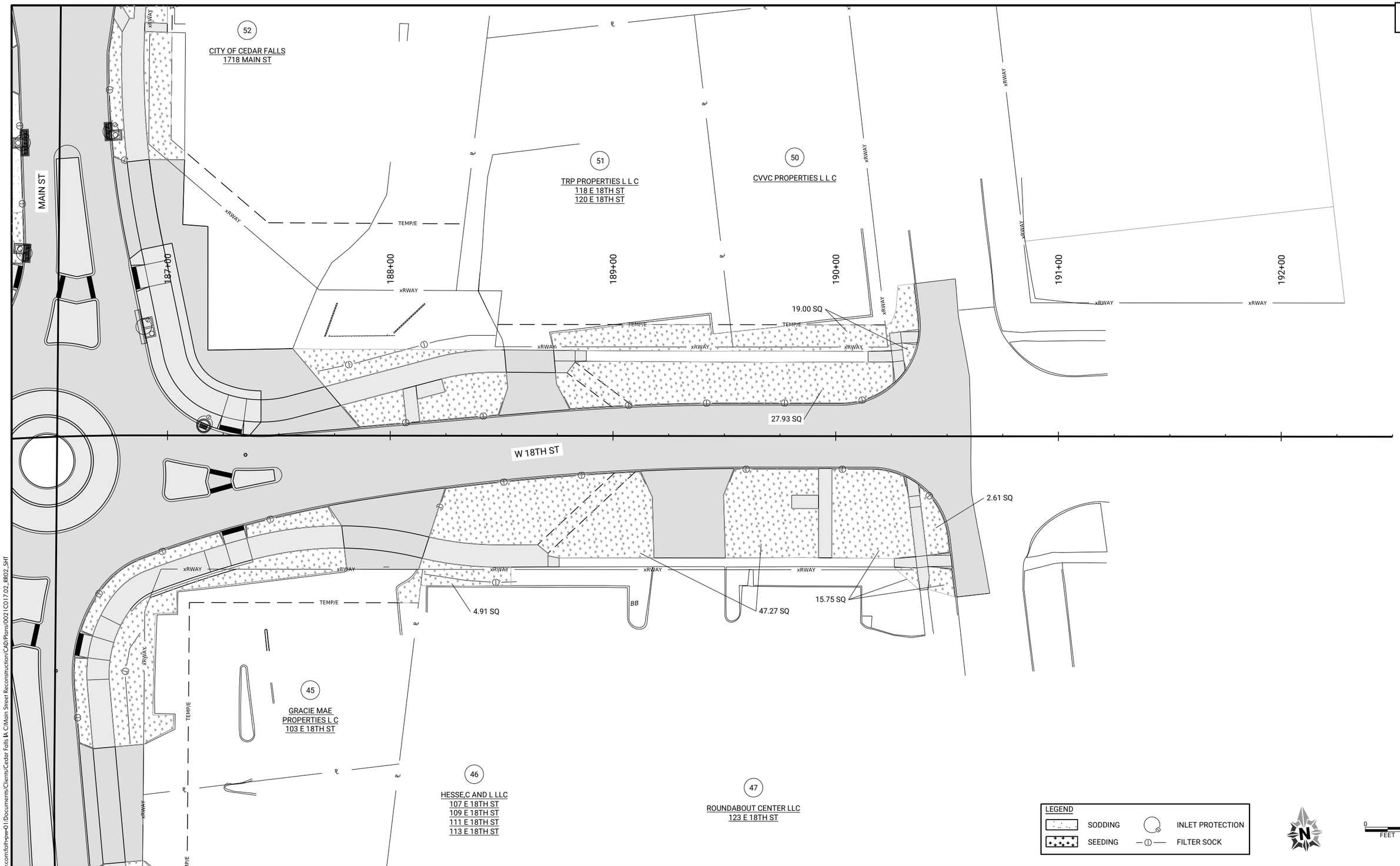

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DESIGNED BY:	T. LECLAIR	CHECKED BY:	C. CARPER	DRAWN BY:	K. WOLLNER
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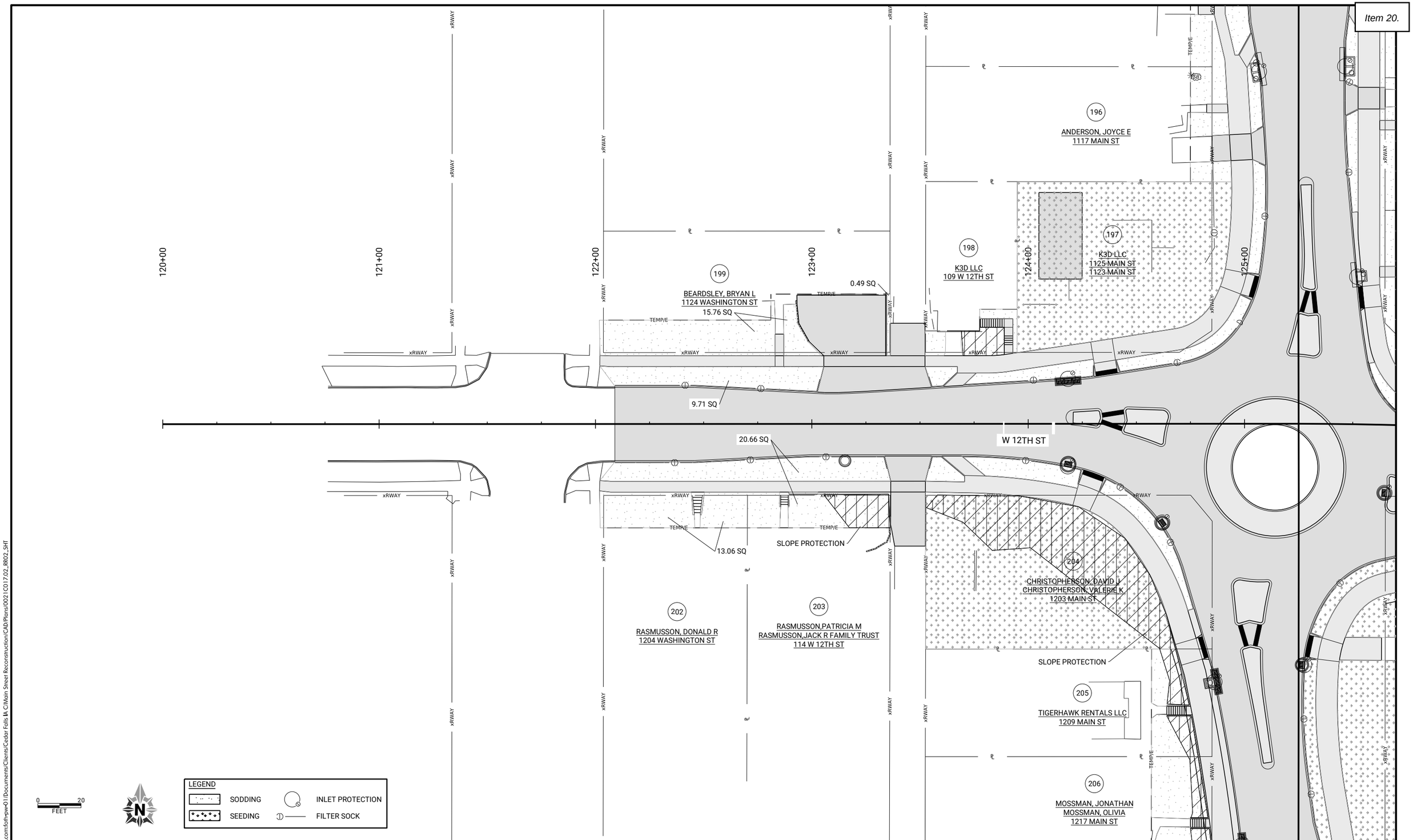
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
EROSION CONTROL SHEETS

SHEET NO.
RR.16
STBG-SWAP-1185(657



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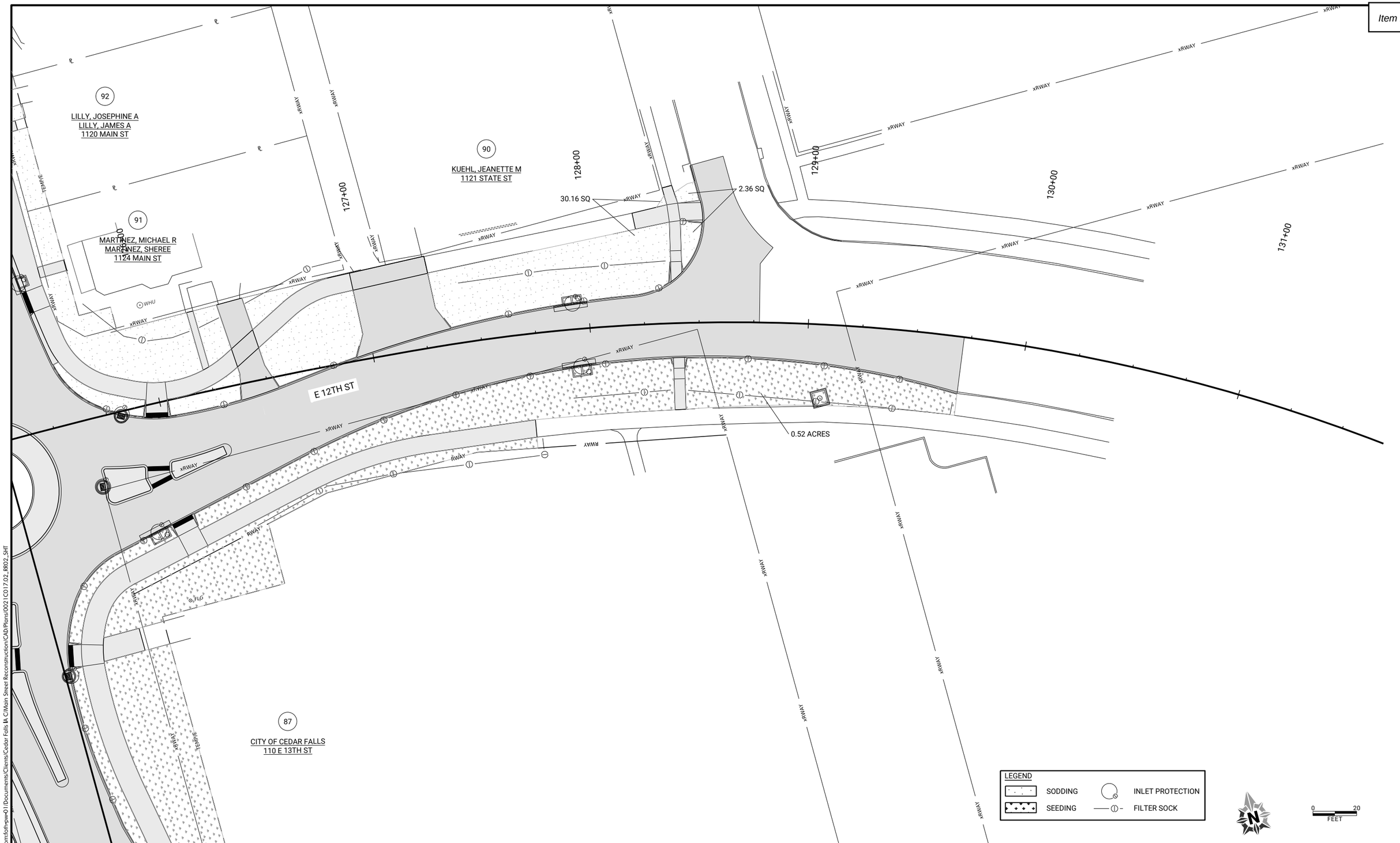
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
EROSION CONTROL SHEETS

SHEET NO.
RR.17

STBG-SWAP-1185(657



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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
EROSION CONTROL SHEETS

SHEET NO.
RR.18

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POLLUTION PREVENTION PLAN

This project is regulated by the requirements of the Iowa Department of Natural Resources (DNR) National Pollutant Discharge Elimination System (NPDES) General Permit No. 2 OR an Iowa Department of Natural Resources (DNR) National Pollutant Discharge Elimination System (NPDES) individual storm water permit. The Contractor shall carry out the terms and conditions of this permit and the Pollution Prevention Plan (PPP).

This Base PPP includes information on Roles and Responsibilities, Project Site Description, Controls, Maintenance Procedures, Inspection Requirements, Non-Storm Water Controls, Potential Sources of Off Right-of-Way Pollution, and Definitions. This plan references other documents rather than repeating the information contained in the documents. A copy of this Base Pollution Prevention Plan, amended as needed during construction, will be readily available for review.

All contractors shall conduct their operations in a manner that controls pollutants, minimizes erosion, and prevents sediments from entering waters of the state and leaving the highway right-of-way. The Contractor shall be responsible for compliance and implementation of the PPP for their entire contract. This responsibility shall be further shared with subcontractors whose work is a source of potential pollution as defined in this PPP.

I. ROLES AND RESPONSIBILITES

A. Designer:
1. Prepares Base PPP included in the project plan.
2. Prepares Notice of Intent (NOI) submitted to Iowa DNR.
3. Is signature authority on the Base PPP. If consultant designed, signature from Contracting Authority is also required.

B. Contractor:
1. Signs a co-permittee certification statement adhering to the requirements of the NPDES permit and this PPP. All co-permittees are legally required under the Clean Water Act and the Iowa Administrative Code to ensure compliance with the terms and conditions of this PPP.
2. Designates a Water Pollution Control Manager (WPCM), who has the duties and responsibilities as defined in Section 2602 of the Standard Specifications.
3. Submits an Erosion Control Implementation Plan (ECIP) and ECIP updates according to Section 2602 of the Standard Specifications.
4. Installs and maintains appropriate controls. This work may be subcontracted as documented through Subcontractor Request Forms (Form 830231).
5. Supervises and implements good housekeeping practices according to Paragraph III, C, 2.
6. Conducts joint required inspections of the site with inspection staff. When Contractor is not mobilized on site, Contractor may delegate this responsibility to a trained or certified subcontractor. Contracting Authority also may waive joint inspection requirement during winter shutdown. In both circumstances, WPCM (or trained or certified delegate from the Contractor) is still responsible to review and sign inspection reports.
7. Complies with training and certification requirements of Section 2602 of the Standard Specifications.
8. Submits amended PPP site map according to Section 2602 of the Standard Specifications.

C. Subcontractors:
1. Sign a co-permittee certification statement adhering to the requirements of the NPDES permit and this PPP if: responsible for sediment or erosion controls; involved in land disturbing activities; or performing work that is a source of potential pollution as defined in this PPP. Subcontracted work items are identified in Subcontractor Request Forms (Form 830231). All co-permittees are legally required under the Clean Water Act and the Iowa Administrative Code to ensure compliance with the terms and conditions of this PPP.
2. Implement good housekeeping practices according to Paragraph III, C, 2.

D. RCE/Project Engineer:
1. Is Project Storm Water Manager.
2. Takes actions necessary to ensure compliance with storm water requirements including, where appropriate, issuing stop work orders, and directing additional inspections at construction project sites that are experiencing problems with achieving permit compliance.
3. Orders the taking of measures to cease, correct, prevent, or minimize the consequences of non-compliance with the storm water requirements of the Applicable Permit.
4. Supervises all work necessary to meet storm water requirements at the Project, including work performed by contractors and subcontractors.
5. Requires employees, contractors, and subcontractors to take appropriate responsive action to comply with storm water requirements, including requiring any such person to cease or correct a violation of storm water requirements, and to order or recommend such other actions as necessary to meet storm water requirements.
6. Is familiar with the Project PPP and storm water site map.
7. Is the point of contact for the Project for regulatory officials, Inspector, contractors, and subcontractors regarding storm water requirements.
8. Is signature authority on Notice of Discontinuation.
9. Maintains an up-to-date record of contractors, subcontractors, and subcontracted work items through Subcontractor Request Forms (Form 830231).
10. Makes information to determine permit compliance available to the DNR upon their request.

E. Inspector:
1. Updates PPP through fieldbook entries and storm water site inspection reports if there is a change in design, construction, operation, or maintenance which has a significant effect on the discharge of pollutants from the project.
2. Makes information to determine permit compliance available to the DNR upon their request.
3. Conducts joint required inspections of the site with the contractor/subcontractor.
4. Completes an inspection report after each inspection.
5. Is signature authority on storm water inspection reports.

II. PROJECT SITE DESCRIPTION

A. This Pollution Prevention Plan (PPP) is for the construction of a Road Reconstruction on Main Street.

B. This PPP covers approximately 24 acres with an estimated 20.4 acres being disturbed. The portion of the PPP covered by this contract has 20.4 acres disturbed.

C. The PPP is located in an area of Saude-Urban Land Complex (0 to 2 percent slopes), Finchford-Urban Land Complex (0 to 2 percent slopes), and Kenyon-Urban Land Complex (5 to 9 percent slopes). The estimated weighted average runoff coefficient number for this PPP after completion will be 75.

D. Storm Water Site Map - Multiple sources of information comprise the base storm water site map including:
1. Drainage Patterns – Plan and Profile sheets and Situation plans.
2. Proposed Slopes – Cross Sections.
3. Areas of Soil Disturbance – Construction limits shown on Plan and Profile sheets.
4. Location of Structural Controls – Tabulations in C sheets.

POLLUTION PREVENTION PLAN

5. Locations of Non-structural Controls – Tabulations in C sheets.
6. Locations of Stabilization Practices – Generally within construction limits shown on Plan and Profile sheets.
7. Surface Waters (including wetlands) – Project Location Map and Plan and Profile sheets.
8. Locations where Storm Water is Discharged – Plan and Profile sheets.

E. The base storm water site map is amended by contract modifications and progress payments (fieldbook entries) of completed erosion control work. Also, due to project phasing, erosion and sediment controls shown on project plans may not be installed until needed, based on site conditions. For example, silt fence ditch checks will typically not be installed until the ditch has been installed. Installed locations may also be modified from tabulation locations by field staff. Installed locations will be documented by fieldbook entries and amended PPP site map.

F. Runoff from this work will flow into Dry Run Creek and West Fork Cedar River.

III. CONTROLS

A. The Contractor's ECIP specified in Article 2602.03 of the Standard Specifications for accomplishment of storm water controls should clearly describe the intended sequence of major activities, and for each activity define the control measure and the timing during the construction process that the measure will be implemented.

B. Preserve vegetation in areas not needed for construction.

C. Sections 2601 and 2602 of the Standard Specifications define requirements to implement erosion and sediment control measures. Actual quantities used and installed locations may vary from the Base PPP and amendment of the plan will be documented via fieldbook entries, amended PPP site map, or by contract modification. Additional erosion and sediment control items may be required as determined by the inspector and/or contractor during storm water site inspections. If the work involved is not applicable to any contract items, the work will be paid for according to Article 1109.03 paragraph B of the Standard Specifications.

1. EROSION AND SEDIMENT CONTROLS

a. Stabilization Practices
1) Site plans will ensure that existing vegetation or natural buffers are preserved where attainable and disturbed portions of the site will be stabilized.
2) Initialize stabilization of disturbed areas immediately after clearing, grading, excavating, or other earth disturbing activities have:
a) Permanently ceased on any portion of the site, or
b) Temporarily ceased on any portion of the site and will not resume for a period exceeding 14 calendar days.
3) Staged permanent and/or temporary stabilizing seeding and mulching shall be completed as the disturbed areas are completed. Incomplete areas shall be stabilized according to paragraph III, C, 1, a, 2, b above.
4) Permanent and Temporary Stabilization practices to be used for this project are located in the Estimated Project Quantities (100-0A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) located in the C sheets. Typical drawings detailing construction of the practices to be used on this project are referenced in the Standard Road Plans Tabulation (105-4) in the C sheets.
5) Preservation of existing vegetation within right-of-way or easements will act as vegetative buffer strips.
6) Preservation of topsoil: Bid items to be used for this project are located in the Estimated Project Quantities (100-0A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) located in the C sheets. Additional information may be found in Tabulations in the C or T sheets or is referenced in Section 2105 of Standard Specifications.

b. Structural Practices
1) Structural practices will be implemented to divert flows from exposed soils and detain or otherwise limit runoff and the discharge of pollutants from exposed areas of the site. Additionally, structural practices may include: silt basins that provide 3600 cubic feet of storage per acre drained or equivalent sediment controls, outlet structures that withdraw water from surface when discharging basins, and controls to direct storm water to vegetated areas.
2) Structural practices to be used for this project are located in the Estimated Project Quantities (100-0A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) located in the C sheets, as well as all other item specific Tabulations. Typical drawings detailing construction of the devices to be used on this project can be found in the B sheets or are referenced in the Standard Road Plans Tabulation (105-4) located in the C sheets.

c. Storm Water Management
Measures shall be installed during the construction process to control pollutants in storm water discharges that will occur after construction operations have been completed. This may include velocity dissipation devices at discharge locations and along length of outfall channel as necessary to provide a non-erosion velocity flow from structure to water course. If included with this project, these items are located in the Estimated Project Quantities (100-0A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) located in the C sheets, as well as all other item specific Tabulations. Typical drawings detailing construction of the practices to be used on this project are referenced in the Standard Road Plans Tabulation (105-4) in the C sheets. The installation of these devices may be subject to Section 404 of the Clean Water Act.

2. OTHER CONTROLS
Contractor disposal of unused construction materials and construction material wastes shall comply with applicable state and local waste disposal, sanitary sewer, or septic system regulations. In the event of a conflict with other governmental laws, rules and regulations, the more restrictive applicable laws, rules or regulations shall apply.

a. Vehicle Entrances and Exits - Construct and maintain entrances and exits to prevent tracking of sediments onto roadways.
b. Material Delivery, Storage and Use - Implement practices to prevent discharge of construction materials during delivery, storage, and use.
c. Stockpile Management - Install controls to reduce or eliminate pollution of storm water from stockpiles of soil and paving.
d. Waste Disposal - Do not discharge any materials, including building materials, into waters of the state, except as authorized by a Section 404 permit.
e. Spill Prevention and Control - Implement chemical spill and leak prevention and response procedures to contain and clean up spills and prevent material discharges to the storm drain system and waters of the state.
f. Concrete Residuals and Washout Wastes - Waste shall not be discharged to a surface water and is not allowed to adversely affect a water of the state. Designate temporary concrete washout facilities for rinsing out concrete trucks. Provide directions to truck drivers where designated washout facilities are located. Designated washout areas should be located at least 50 feet away from storm drains, streams or other water bodies. Care should be taken to ensure these facilities do not overflow during storm events.
g. Concrete Grooving/Grinding Slurry – Do not discharge slurry to a waterbody or storm drain. Slurry may be applied on foreslopes or removed from the project.
h. Vehicle and Equipment Storage and Maintenance Areas - Perform on site fueling and maintenance in accordance with all environment laws such as proper storage of onsite fuels and proper disposal of used engine oil or other fluids on site. Employ washing practices that prevent contamination of surface and ground water from wash water. Wash waters must be treated in a sediment basin or alternative control that provides equivalent or better treatment prior to discharge.
i. Litter Management - Ensure employees properly dispose of litter. Minimize exposure of trash if exposure to precipitation or storm water would result in a discharge of pollutants.

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POLLUTION PREVENTION PLAN

j. Dewatering – Properly treat water to remove suspended sediment before it re-enters a waterbody or discharges off-site. Measures are also to be taken to prevent scour erosion at dewatering discharge point.

3. APPROVED STATE OR LOCAL PLANS
   During the course of this construction, it is possible that situations will arise where unknown materials will be encountered. When such situations are encountered, they will be handled according to all federal, state, and local regulations in effect at the time.

IV. MAINTENANCE PROCEDURES
The Contractor is required to maintain all temporary erosion and sediment control measures in proper working order, including cleaning, repairing, or replacing them throughout the contract period. This shall begin when the features have lost 50% of their capacity.

V. INSPECTION REQUIREMENTS
A. Inspections shall be made jointly by the Contractor and the Contracting Authority's inspector at least once every seven calendar days. Storm water site inspections will include:
   1. Date of the inspection.
   2. Summary of the scope of the inspection.
   3. Name and qualifications of the personnel making the inspection.
   5. Review of erosion and sediment control measures within disturbed areas for the effectiveness in preventing impacts to receiving waters.
   6. Major observations related to the implementation of the PPP.
   7. Identification of corrective actions required to maintain or modify erosion and sediment control measures.
B. Include storm water site inspection reports in the amended PPP. Incorporate any additional erosion and sediment control measures determined as a result of the inspection. Immediately begin corrective actions on all deficiencies found within 3 calendar days of the inspection and complete within 7 calendar days following the inspection. If it is determined that making the corrections less than 72 hours after the inspection is impracticable, it should be documented why it is impracticable and indicate an estimated date by which the corrections will be made.

VI. NON-STORM WATER DISCHARGES
This includes subsurface drains (i.e. longitudinal and standard subdrains) and slope drains. The velocity of the discharge from these features may be controlled by the use of headwalls or blocks, Class A stone, erosion stone or other appropriate materials. This also includes uncontaminated groundwater from dewatering operations, which will be controlled as discussed in Section III of the PPP.

VII. POTENTIAL SOURCES OF OFF RIGHT-OF-WAY (ROW) POLLUTION
Silts, sediment, and other forms of pollution may be transported onto highway right-of-way (ROW) as a result of a storm event. Potential sources of pollution located outside highway ROW are beyond the control of this PPP. Pollution within highway ROW will be conveyed and controlled per this PPP.

VIII. DEFINITIONS
A. Base PPP - Initial Pollution Prevention Plan.
B. Amended PPP - Base PPP amended during construcion. May include Plan Revisions or Contract Modifications for new items, storm water site inspection reports, fieldbook entries made by the inspector, amended PPP site map by the Contractor, ECIP, NOI, co-permittee certifications, and Subcontractor Request Forms. Items amending the PPP are stored electronically and are readily available upon request.
C. Fieldbook Entries – This contains the inspector's daily diary and bid item postings.
D. Controls - Methods, practices, or measures to minimize or prevent erosion, control sedimentation, control storm water, or minimize contaminants from other types of waste or materials. Also called Best Management Practices (BMPs).
E. Signature Authority - Representative authorized to sign various storm water documents.

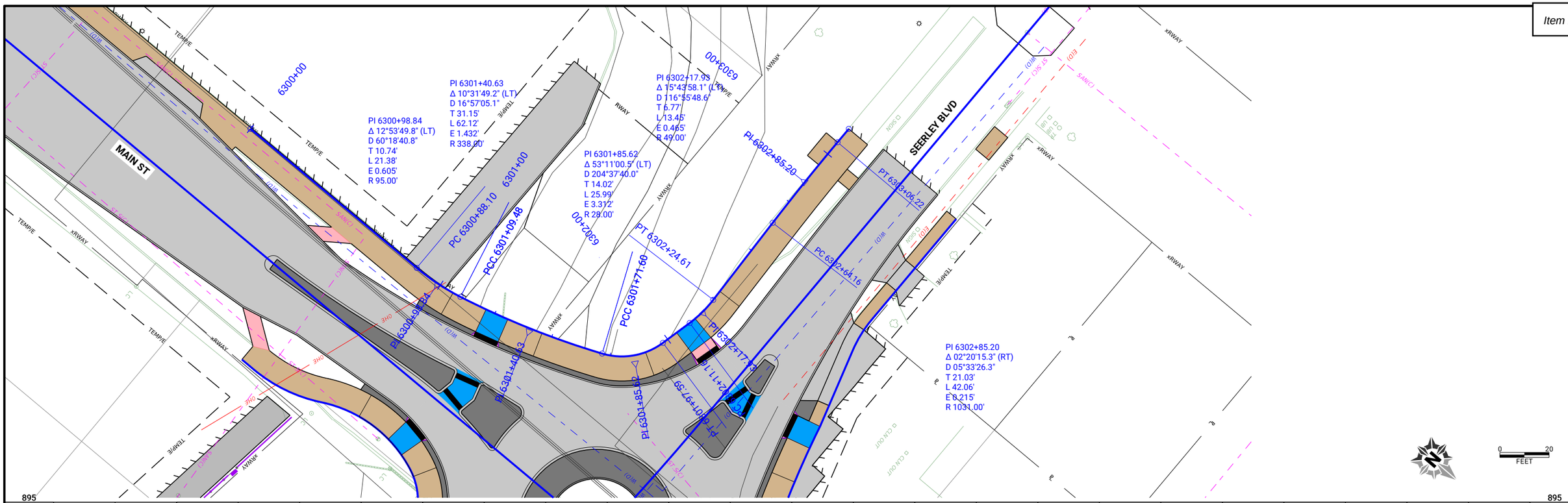
CERTIFICATION STATEMENT
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

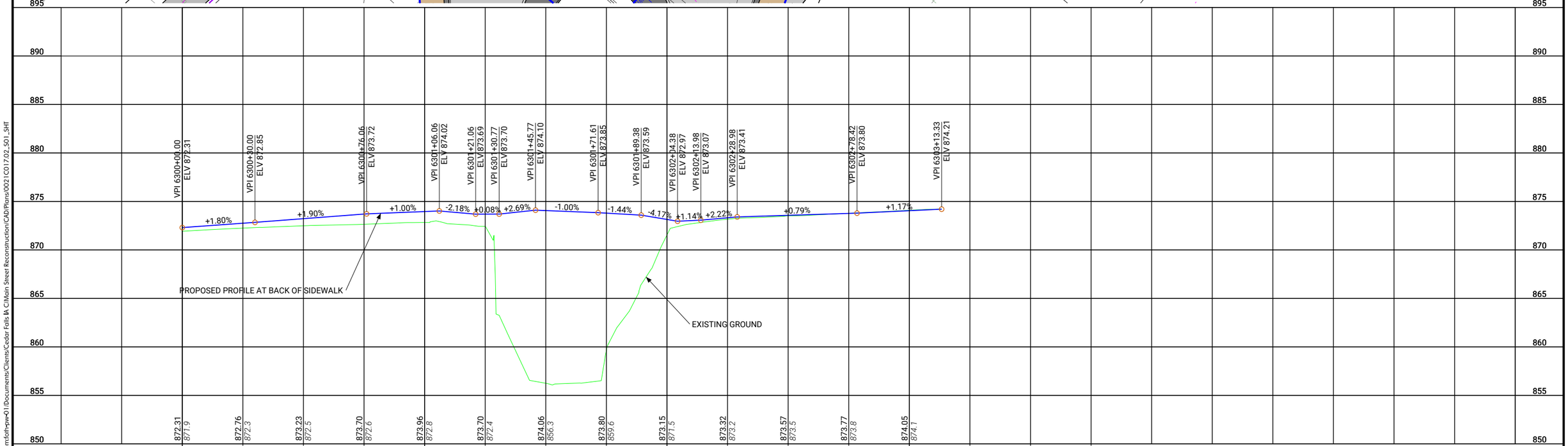
Signature

Clayton Carper
Printed or Typed Name

Signature

Printed or Typed Name





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Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

SEERLEY BOULEVARD
SIDEWALK PLAN AND PROFILE

SHEET NO.
S.1

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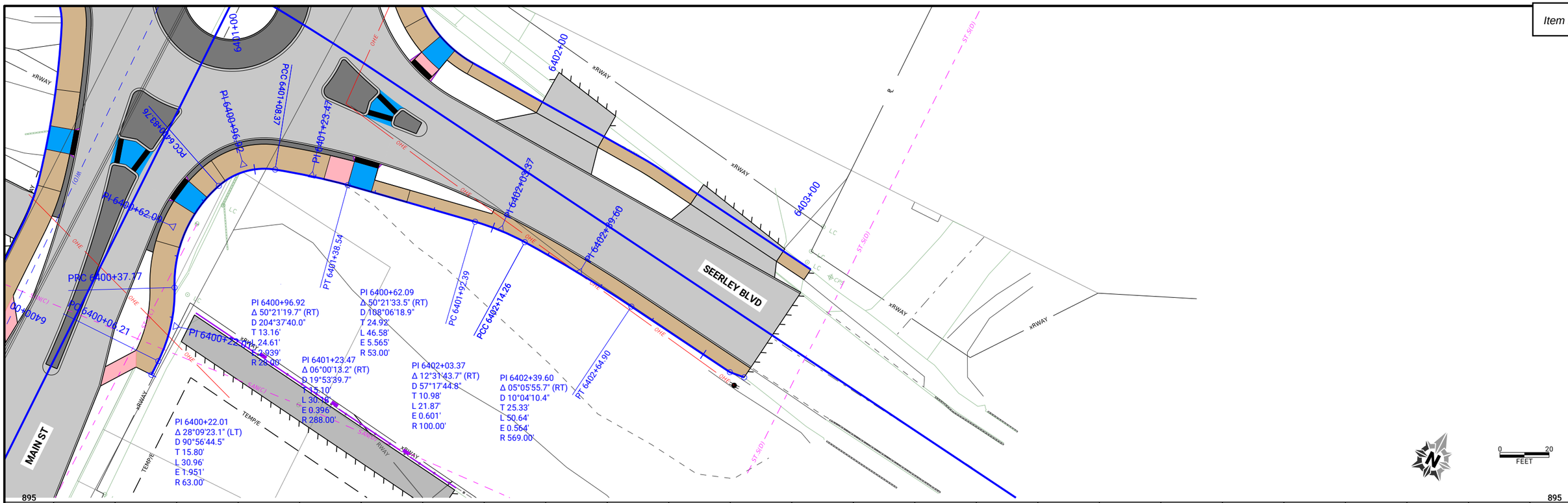

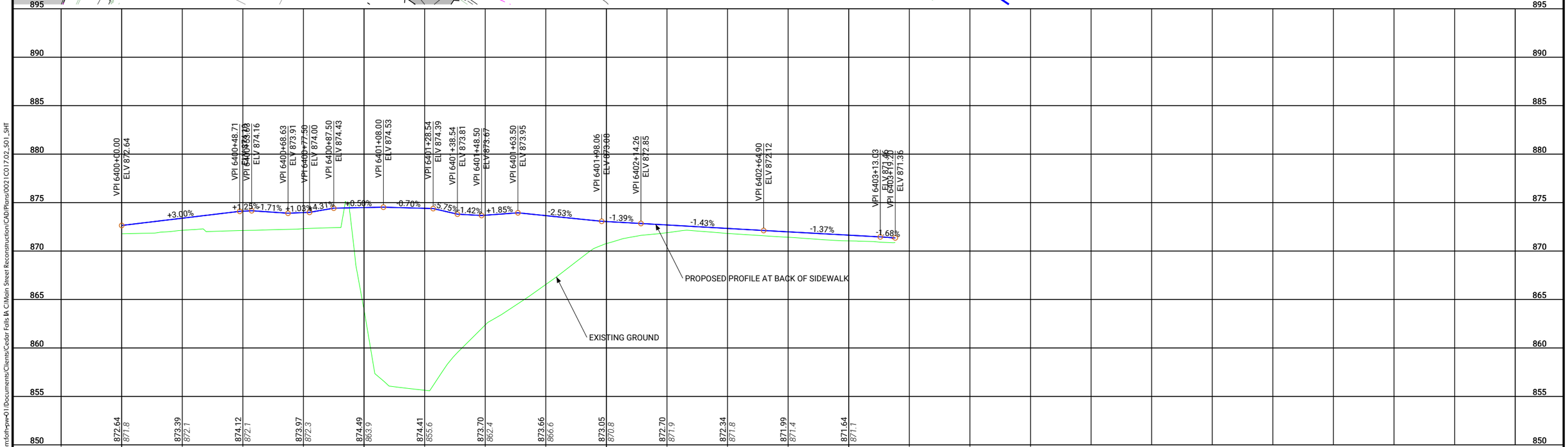

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

SEERLEY BOULEVARD
SIDEWALK PLAN AND PROFILE

SHEET NO.
S.2
STBG-SWAP-1185(657)

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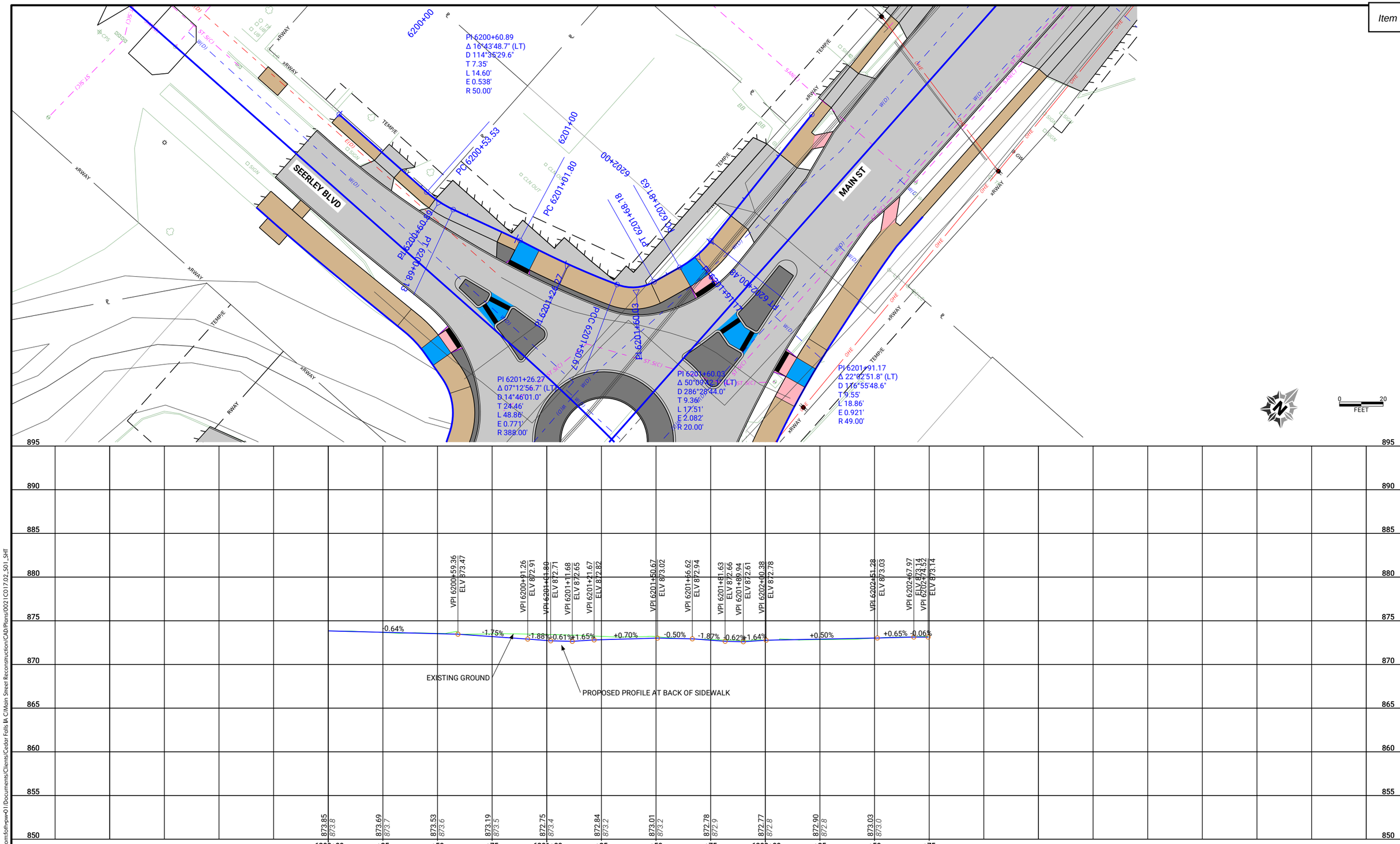

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

SEERLEY BOULEVARD
SIDEWALK PLAN AND PROFILE

SHEET NO.
S.3
STBG-SWAP-1185(657

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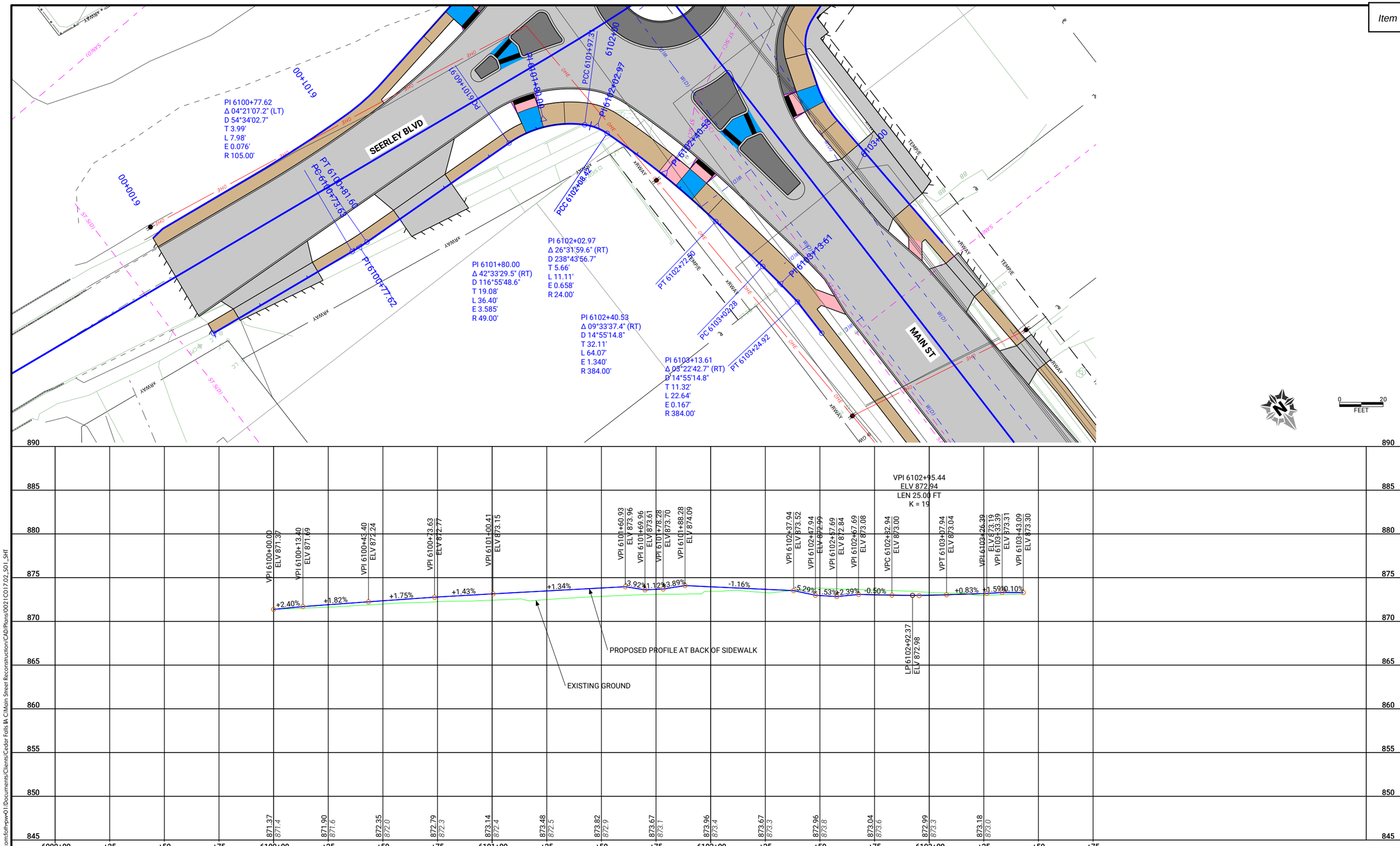

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

SEERLEY BOULEVARD
SIDEWALK PLAN AND PROFILE

SHEET NO.
S.4
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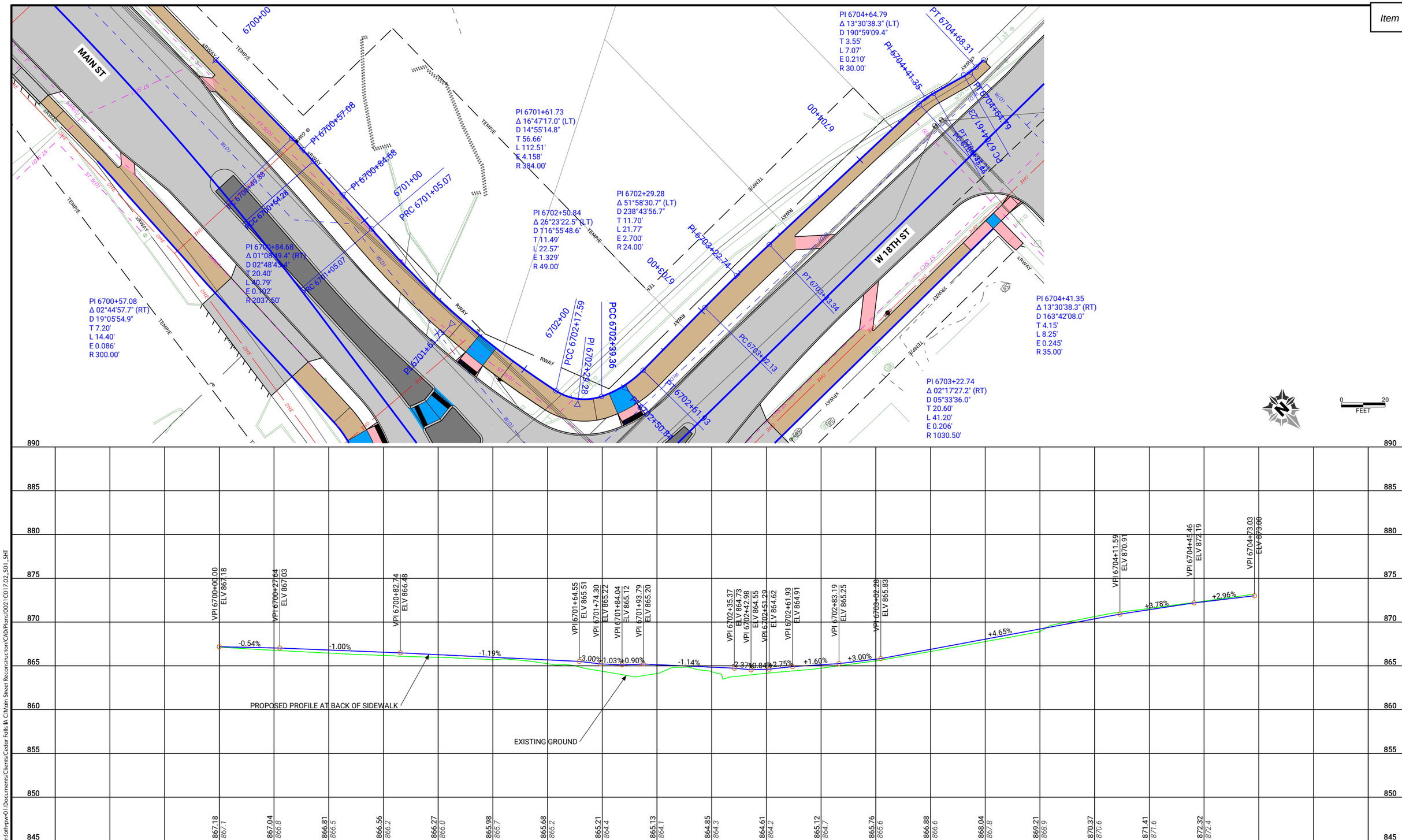

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

18TH STREET
SIDEWALK PLAN AND PROFILE

SHEET NO.
S.5
STBG-SWAP-1185(657)

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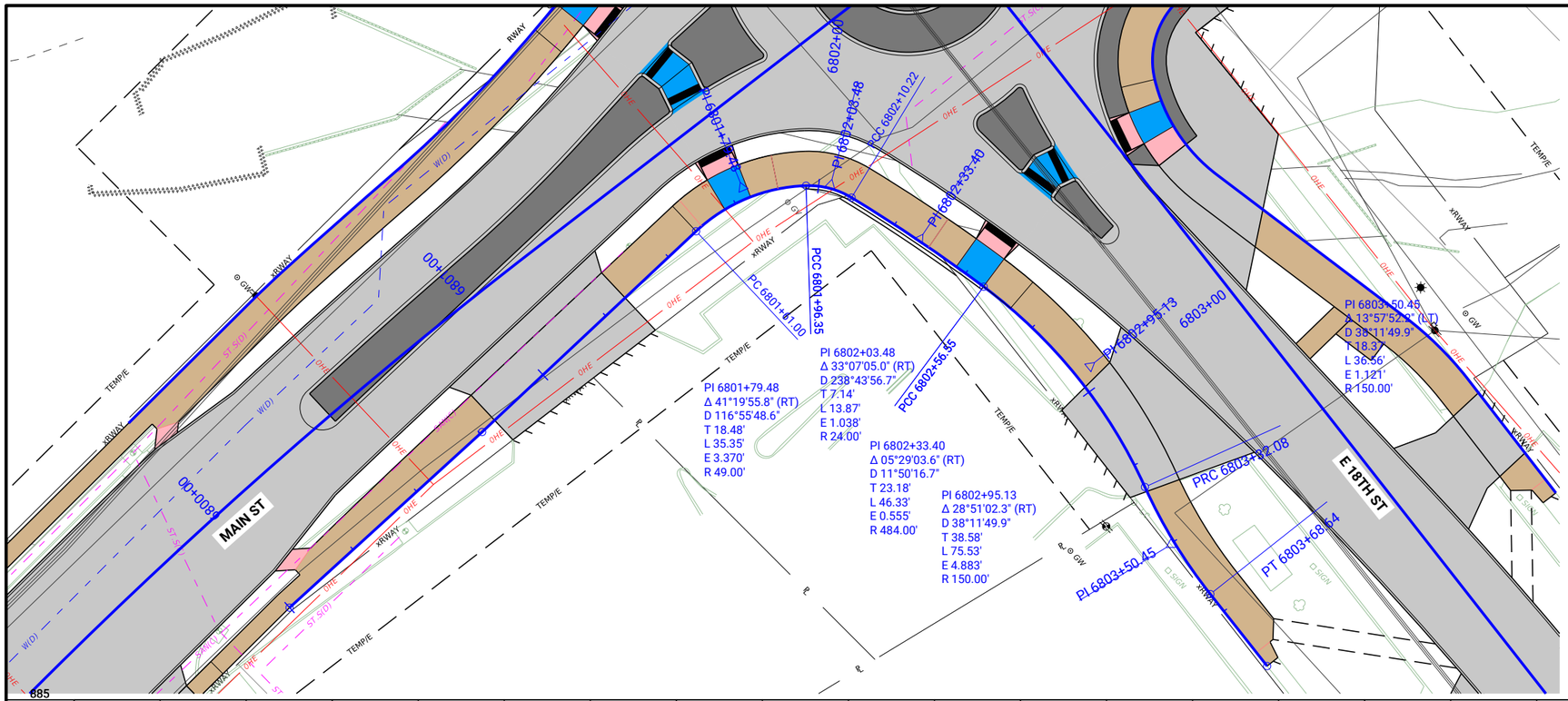

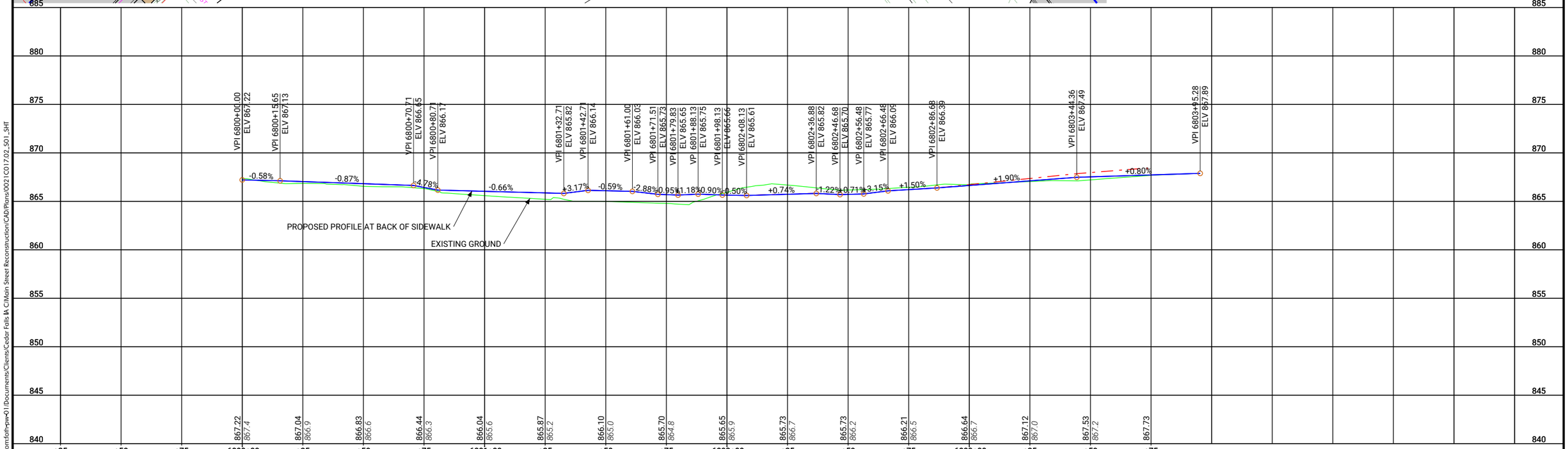

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

18TH STREET
SIDEWALK PLAN AND PROFILE

SHEET NO.
S.6
STBG-SWAP-1185(657)

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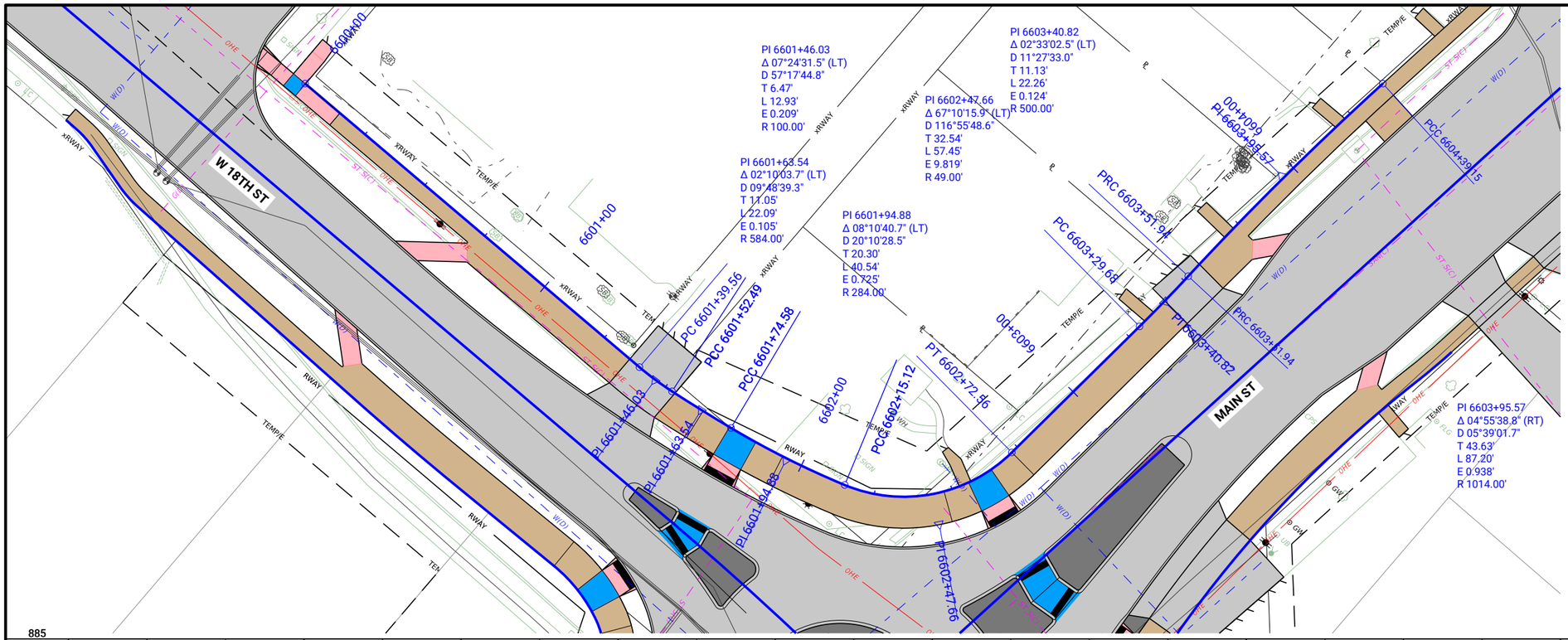

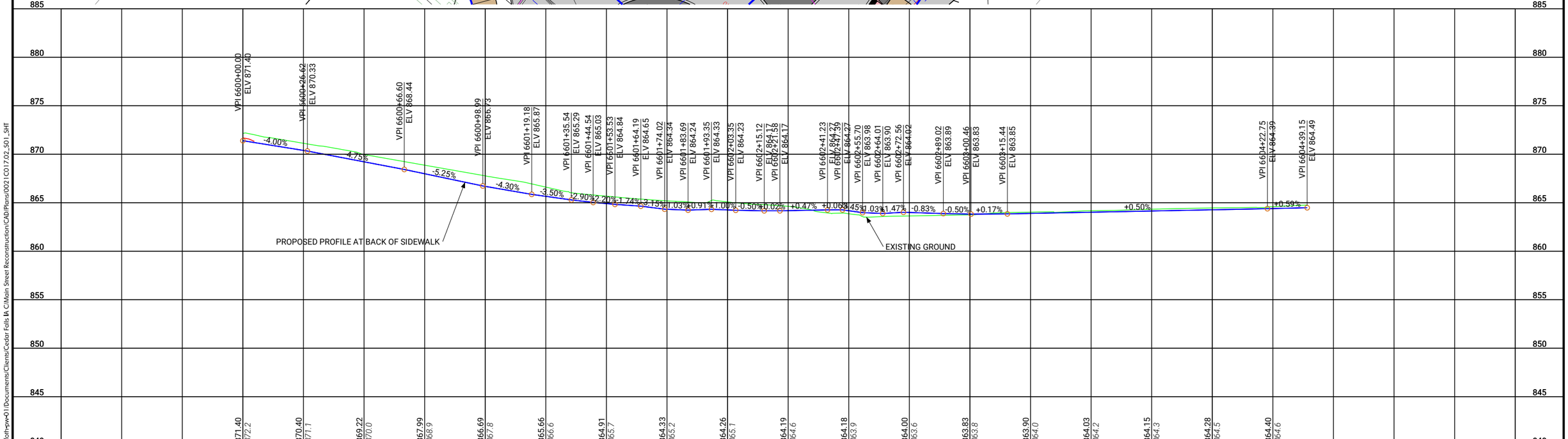

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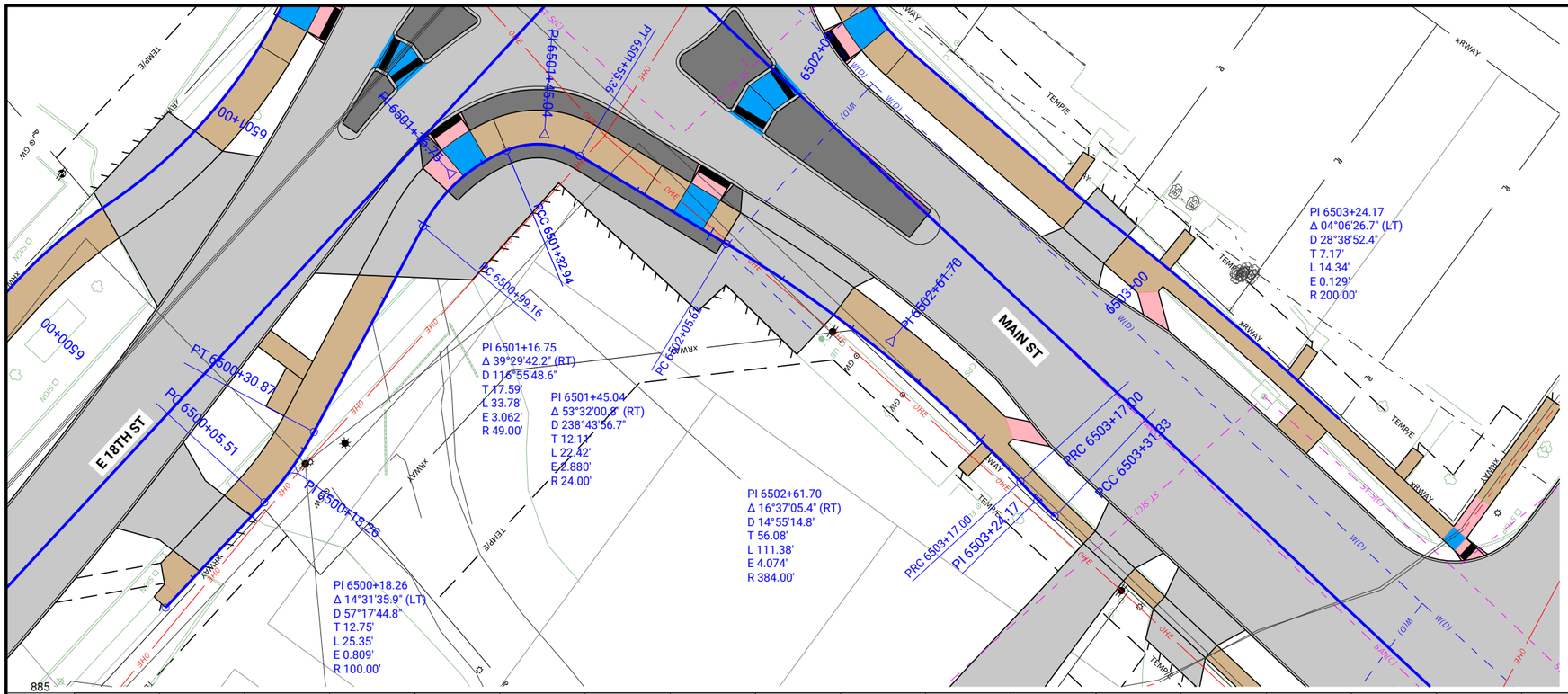
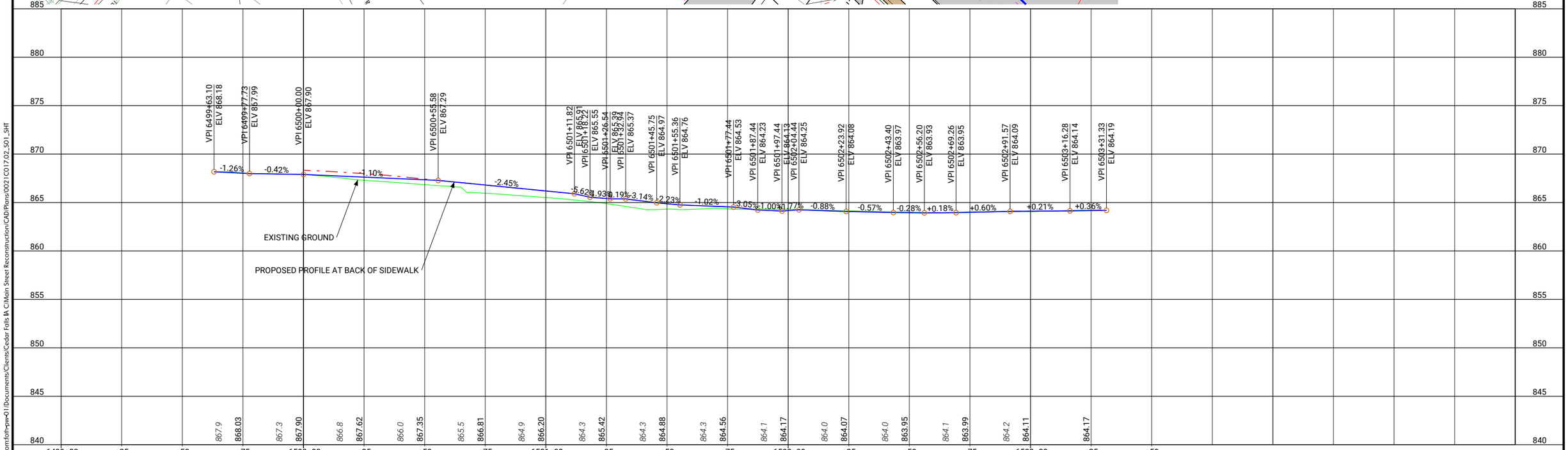
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

18TH STREET
SIDEWALK PLAN AND PROFILE

SHEET NO.
S.7
STBG-SWAP-1185(657)





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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

18TH STREET
SIDEWALK PLAN AND PROFILE

SHEET NO.
S.8

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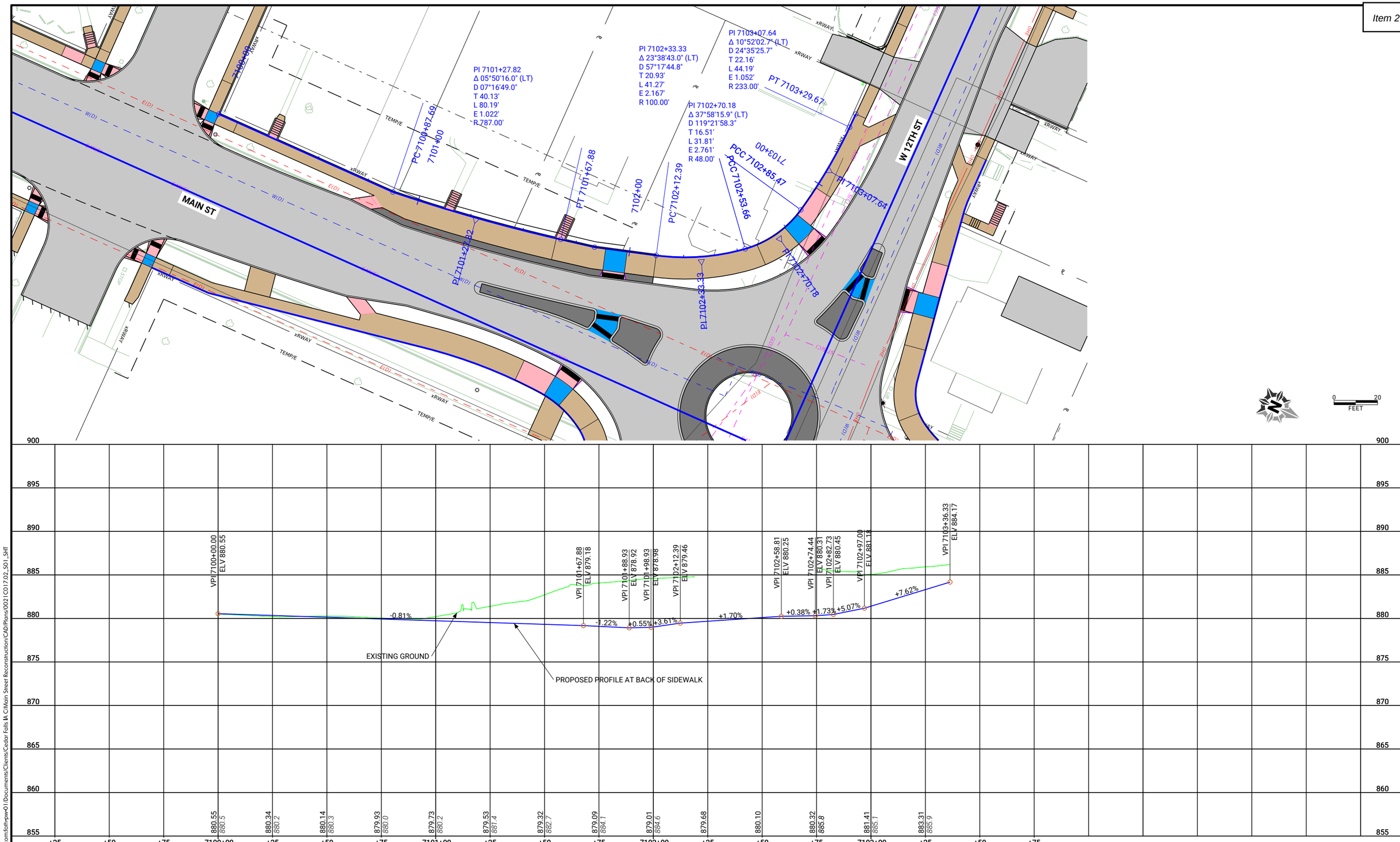

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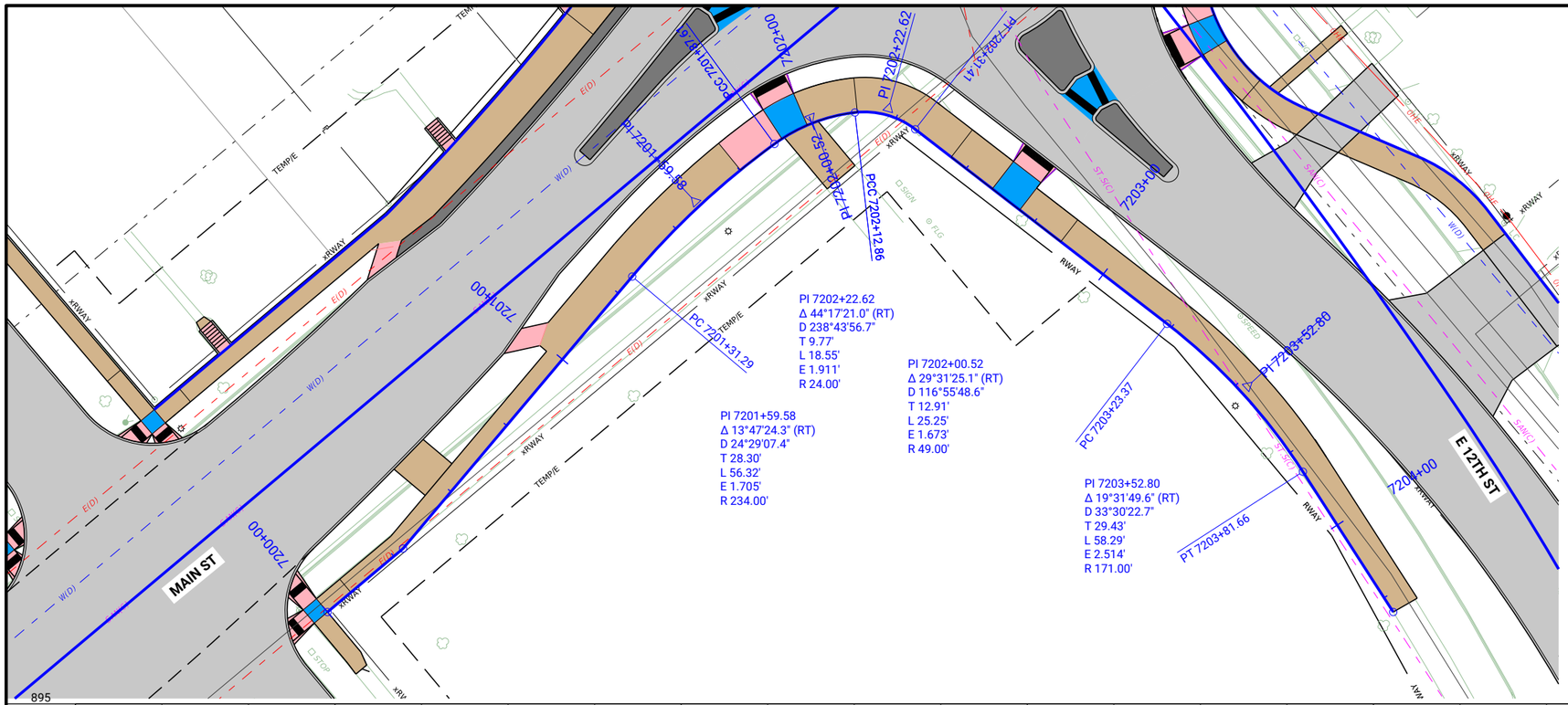
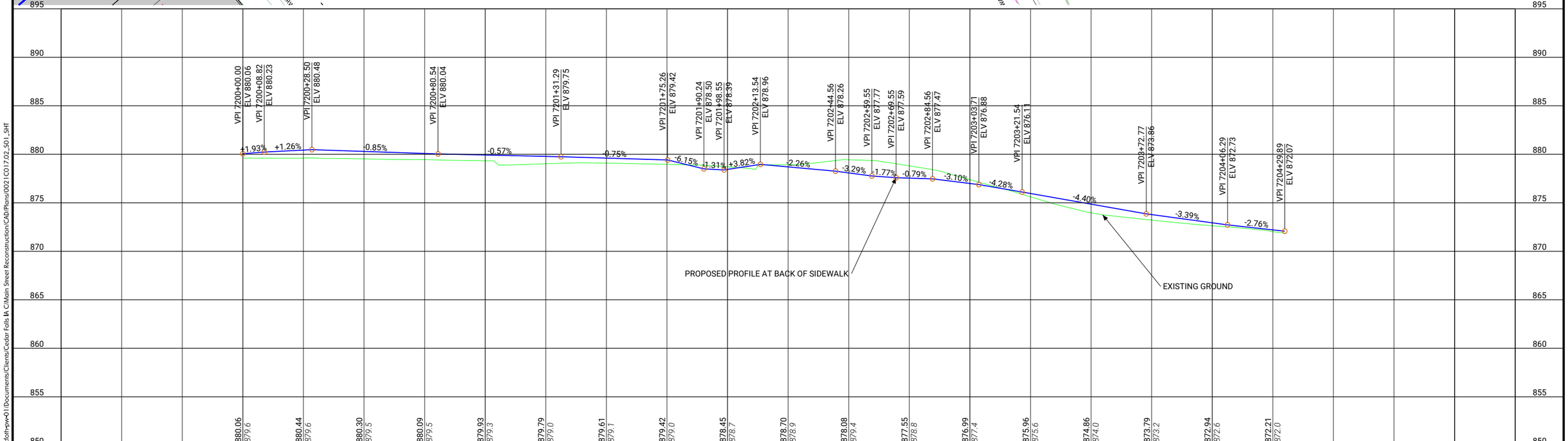
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

12TH STREET
SIDEWALK PLAN AND PROFILE

SHEET NO.
S.9
STBG-SWAP-1185(657





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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

12TH STREET
SIDEWALK PLAN AND PROFILE

SHEET NO.
S.10
STBG-SWAP-1185(657

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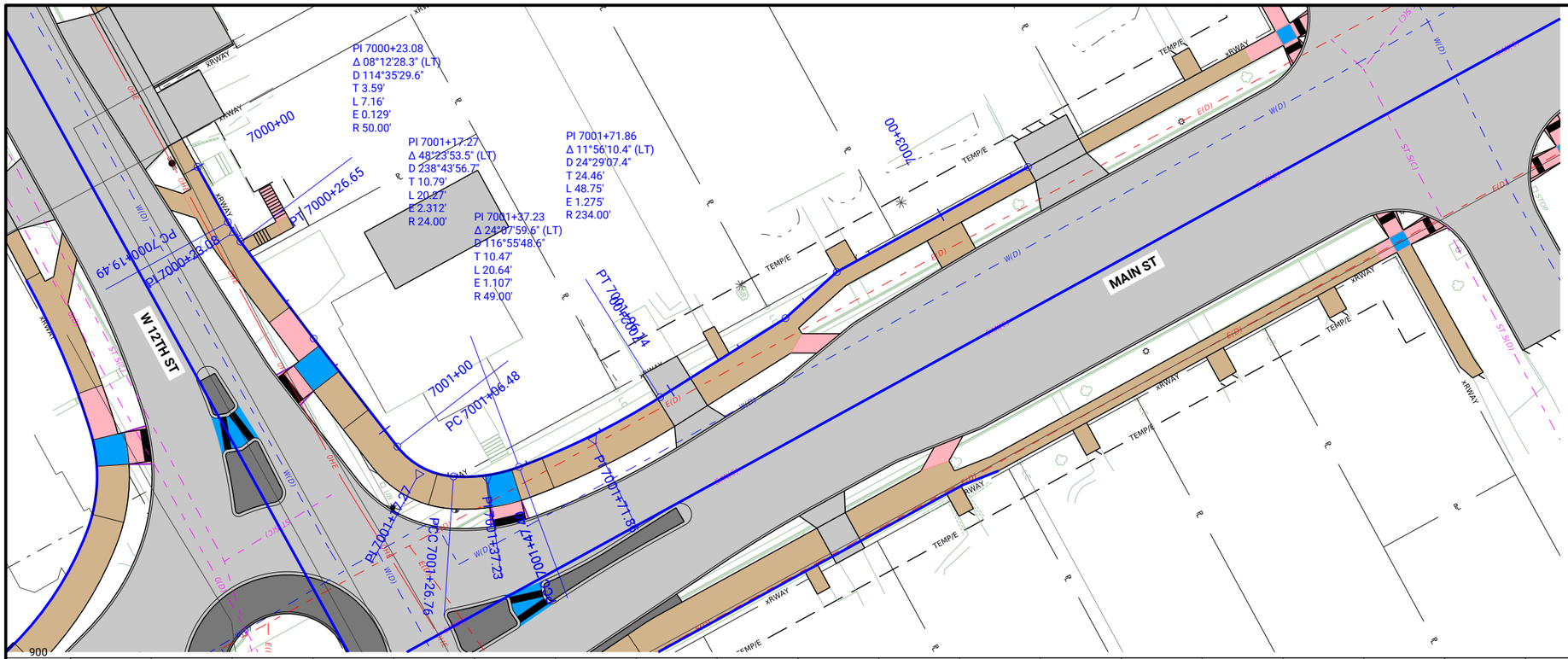

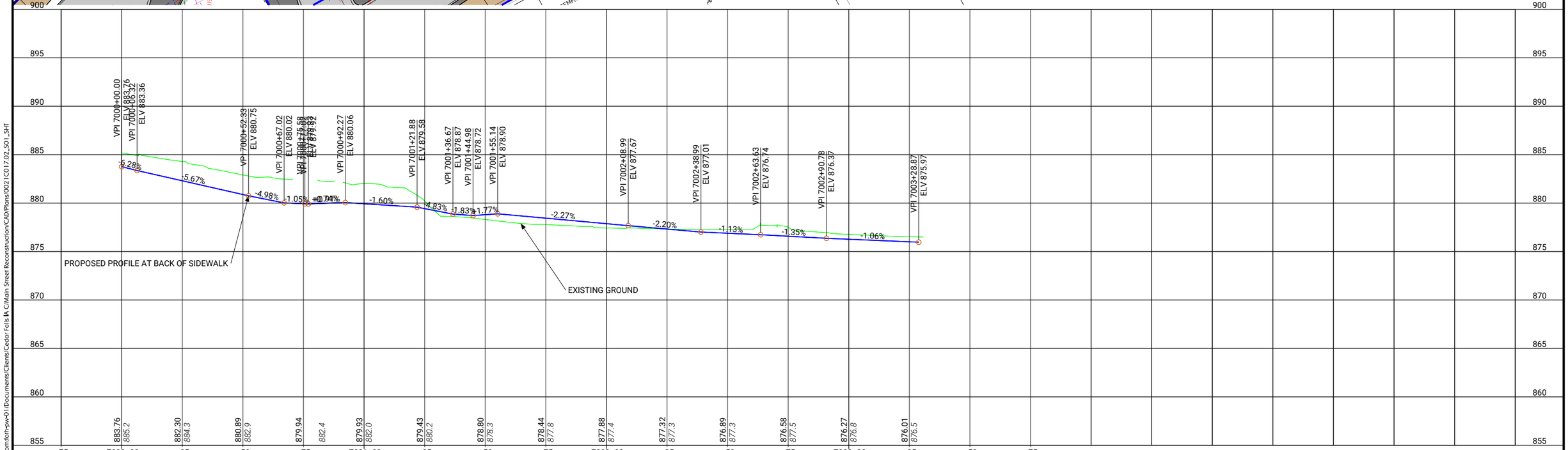

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

12TH STREET
SIDEWALK PLAN AND PROFILE

SHEET NO.
S.11
STBG-SWAP-1185(657

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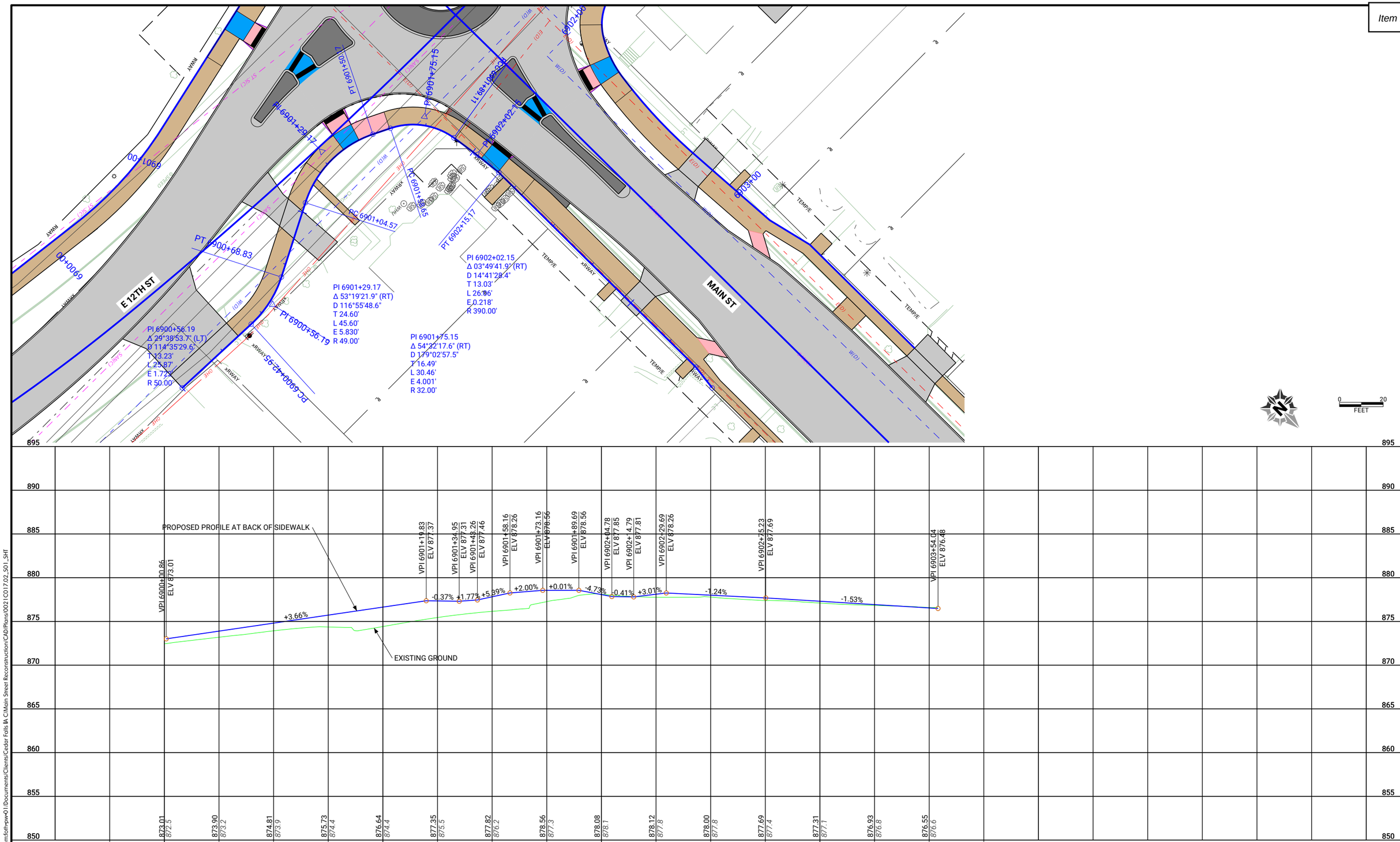

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

12TH STREET
SIDEWALK PLAN AND PROFILE

SHEET NO.
S.12
STBG-SWAP-1185(657

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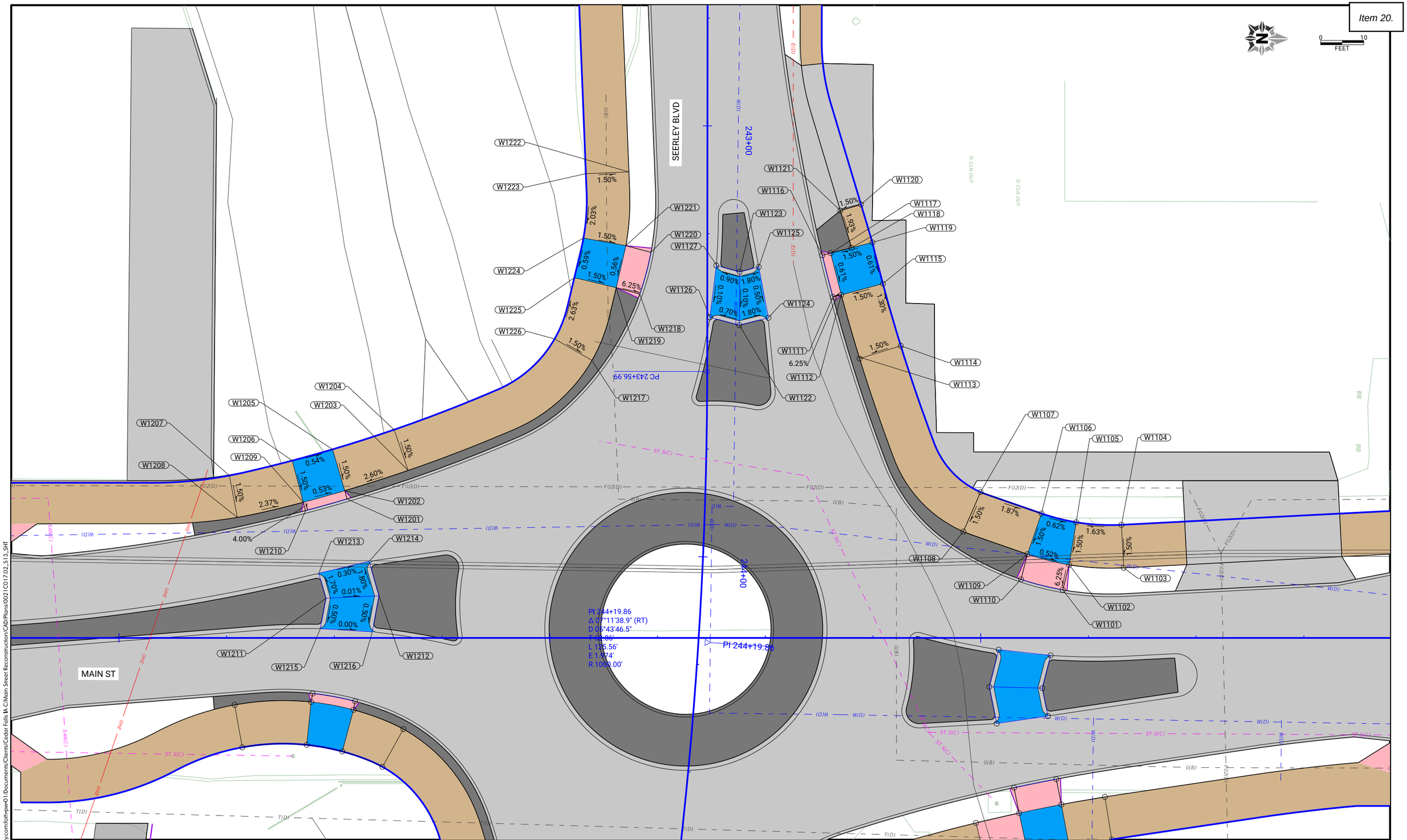

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

SEERLEY BOULEVARD
SIDEWALK LAYOUT

SHEET NO.
S.13

STBG-SWAP-1185(657

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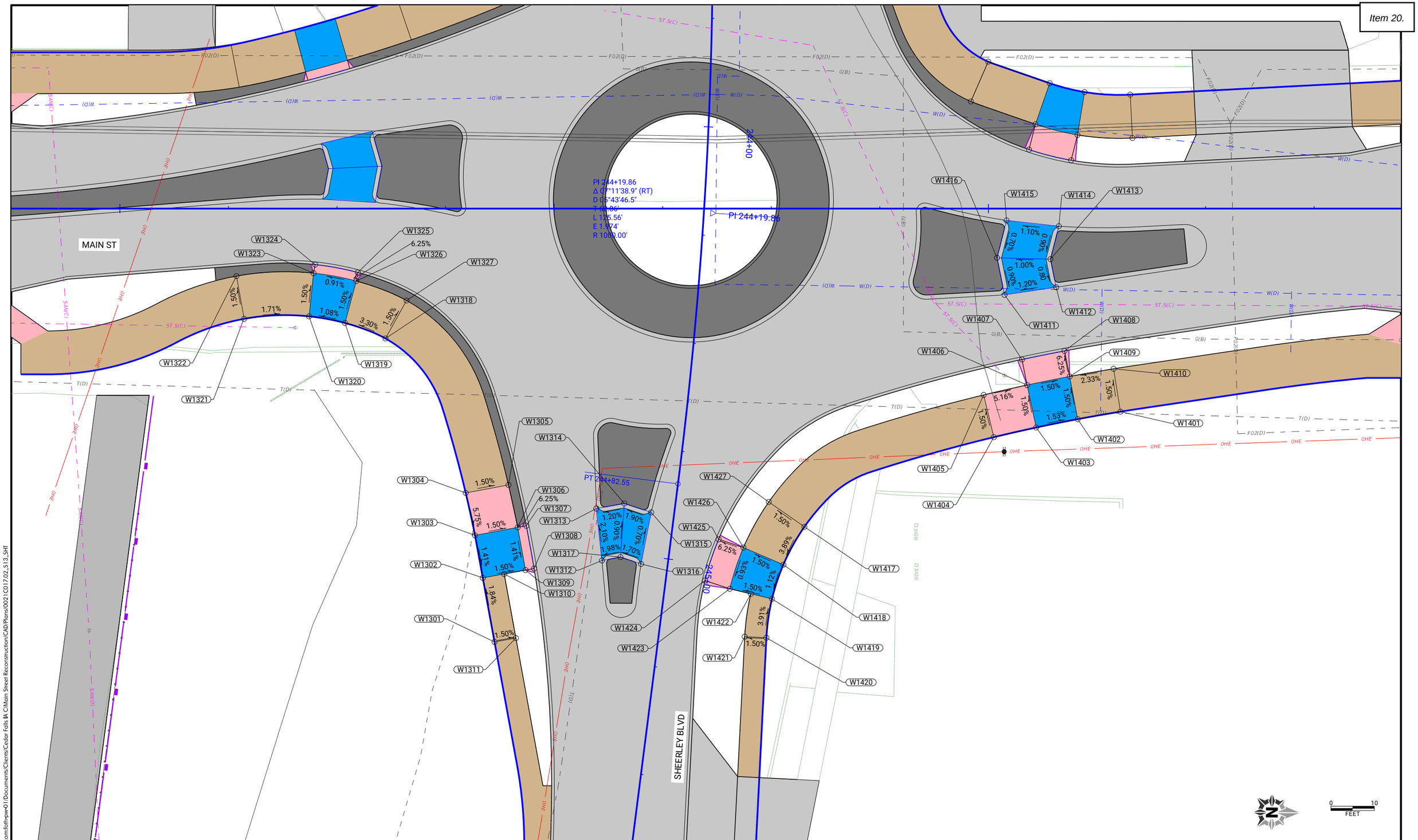

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

SEERLEY BOULEVARD
SIDEWALK LAYOUT

SHEET NO.
S.14

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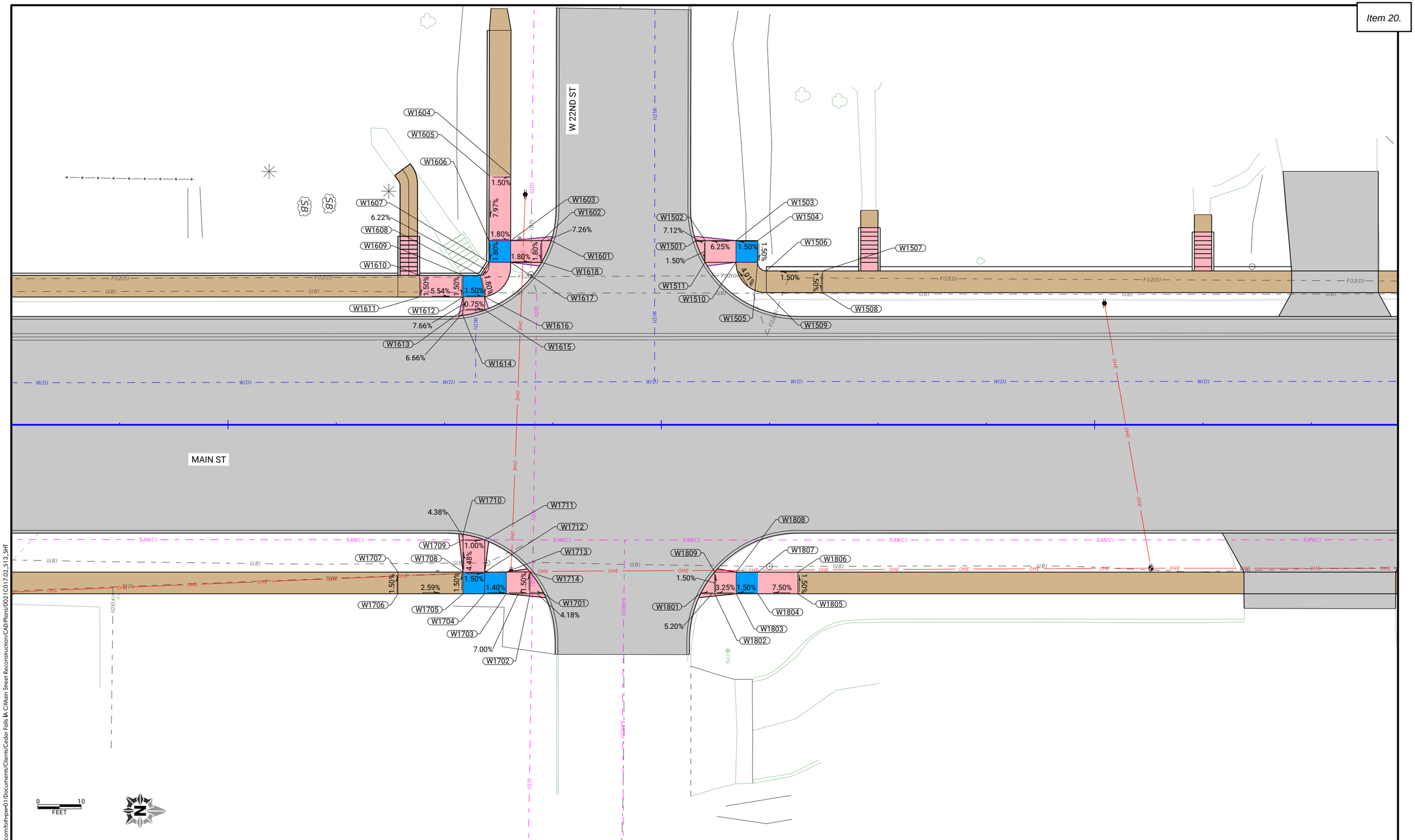

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

22ND STREET
SIDEWALK LAYOUT

SHEET NO.
S.15
STBG-SWAP-1185(657

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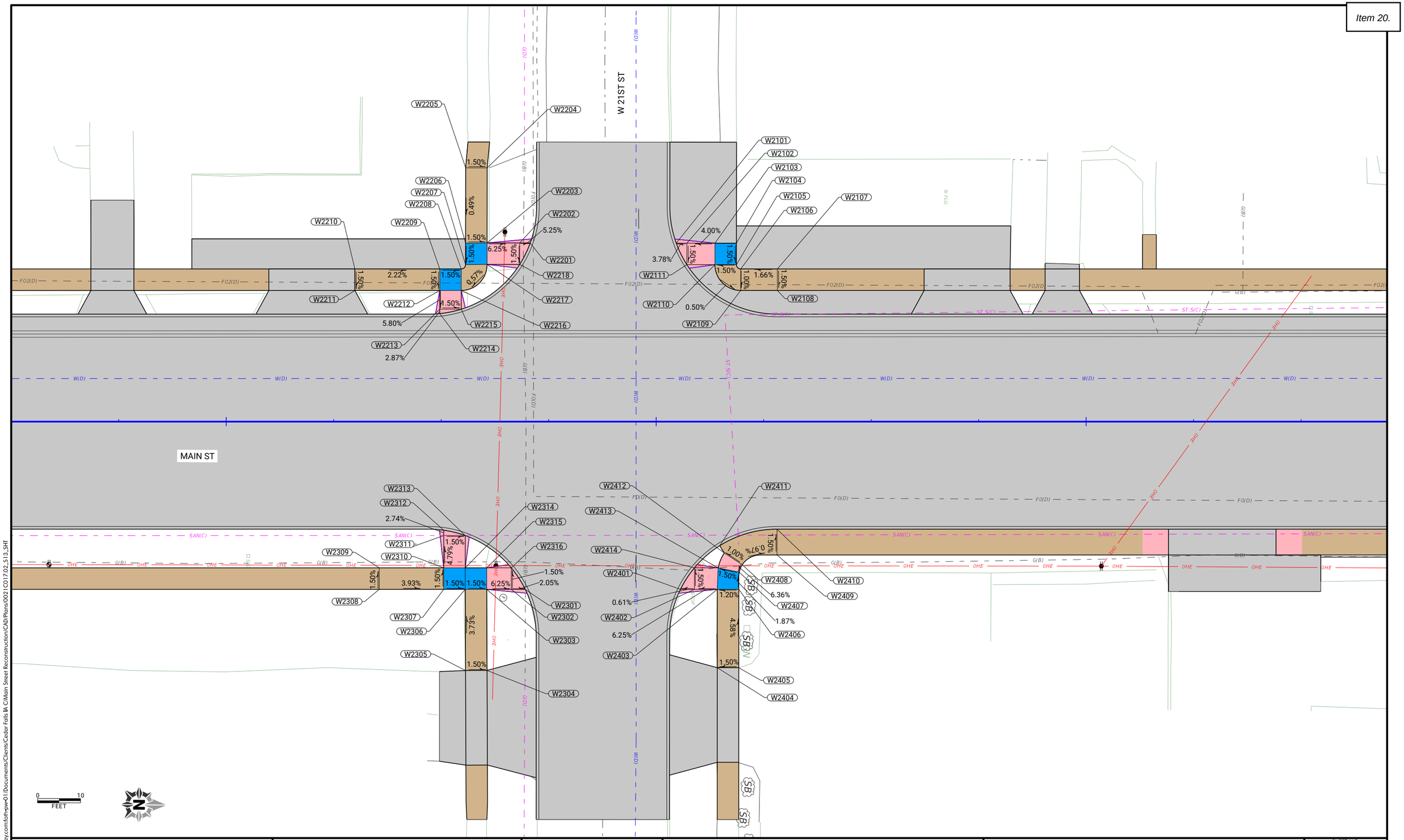

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

21TH STREET
SIDEWALK LAYOUT

SHEET NO.
S.16
STBG-SWAP-1185(657

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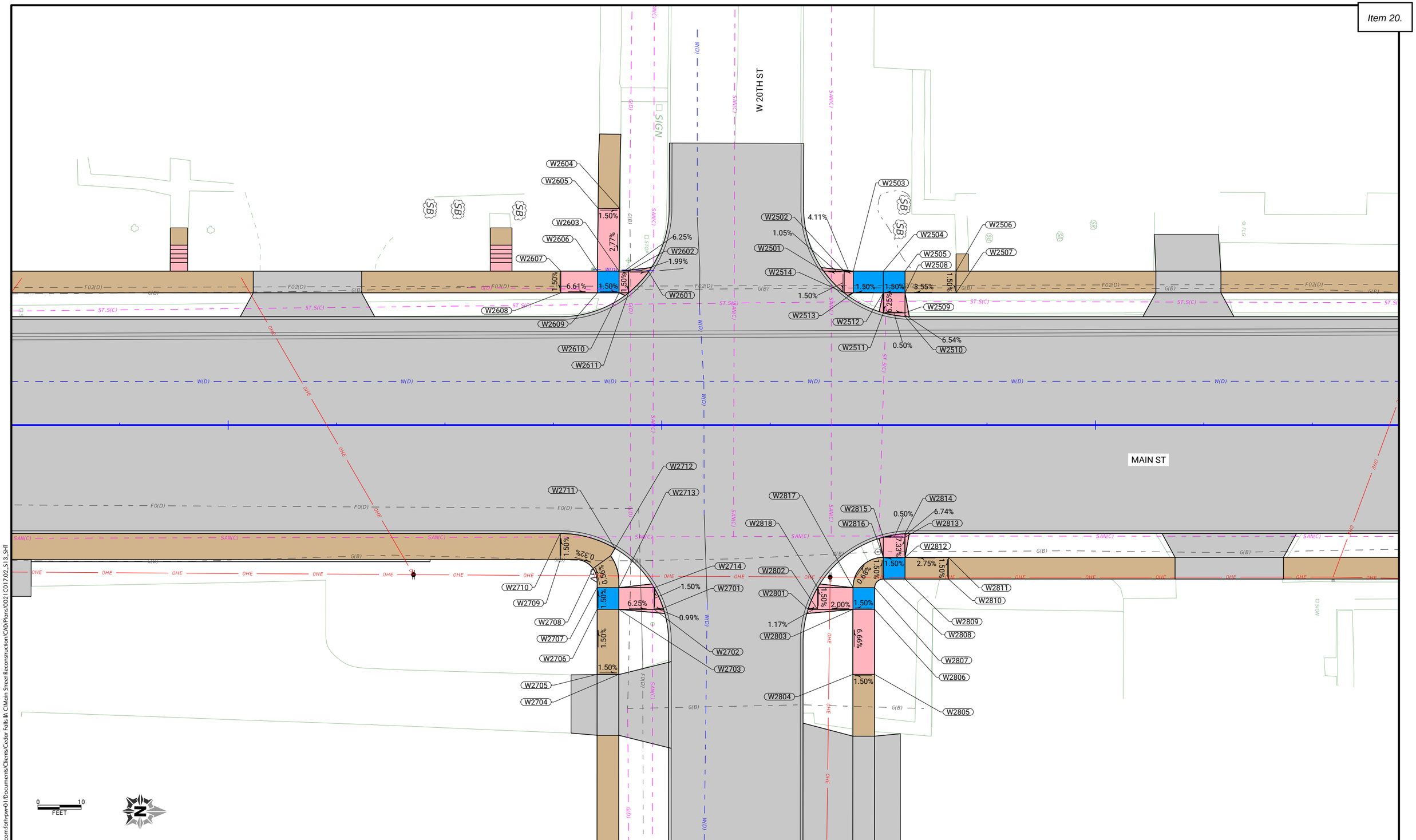

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NO	DATE	BY	REVISION DESCRIPTION

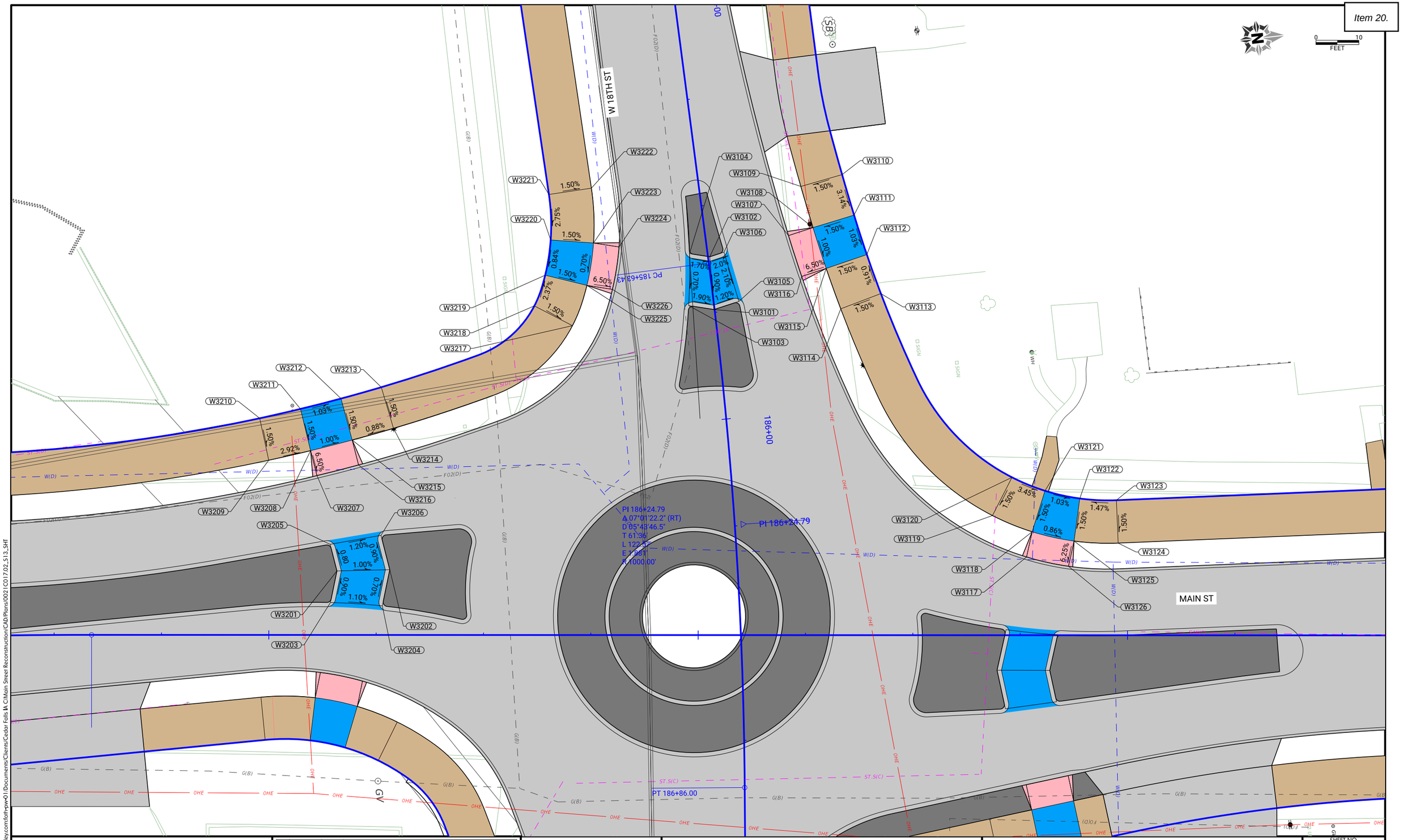
Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

20TH STREET
SIDEWALK LAYOUT

SHEET NO.
S.17

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Falls IA C\Main Street Reconstruction\CAD\Plans\0021C017.02_S13_SHT



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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

18TH STREET
SIDEWALK LAYOUT

SHEET NO.
S.18

STBG-SWAP-1185(657

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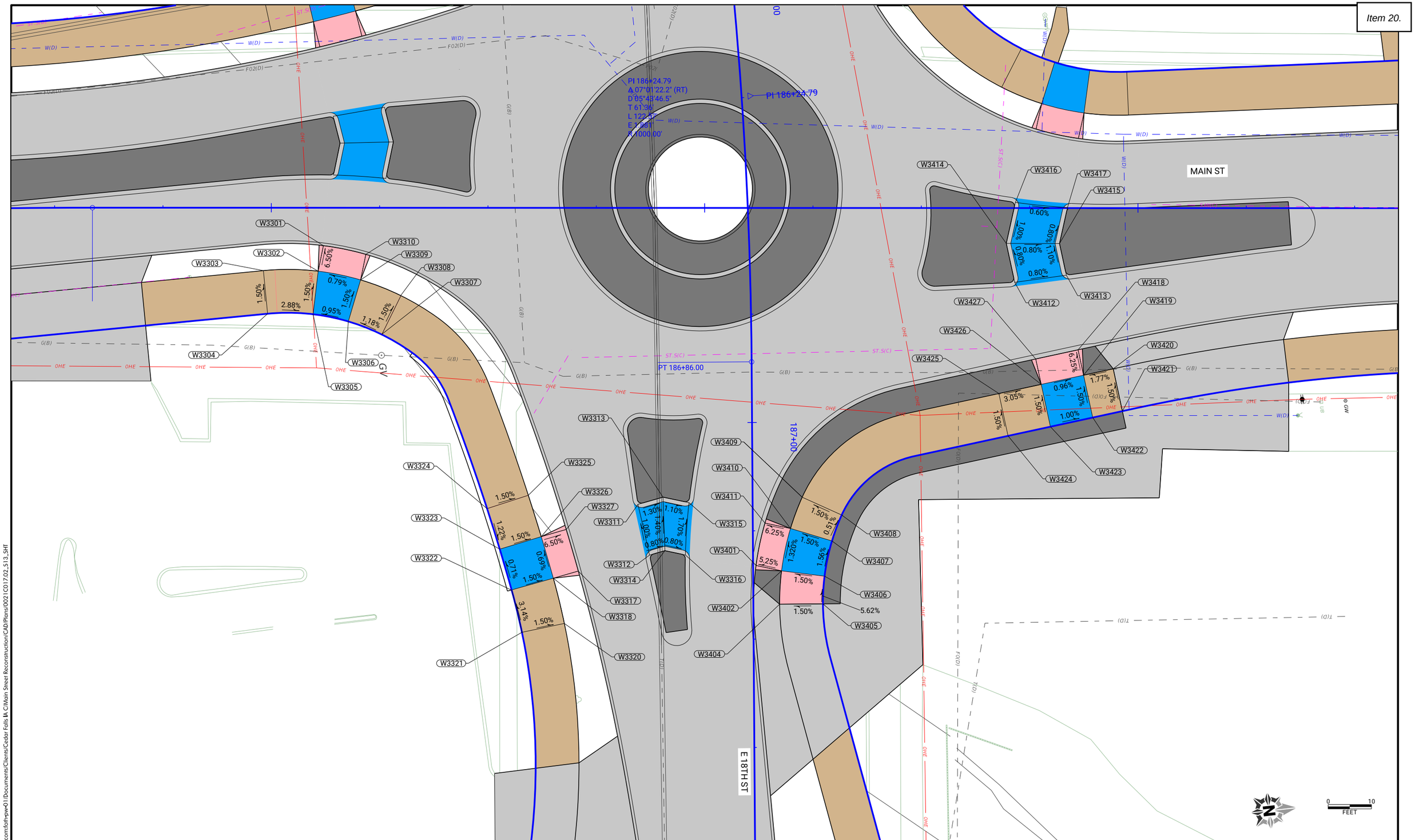

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

18TH STREET
SIDEWALK LAYOUT

SHEET NO.
S.19
STBG-SWAP-1185(657)

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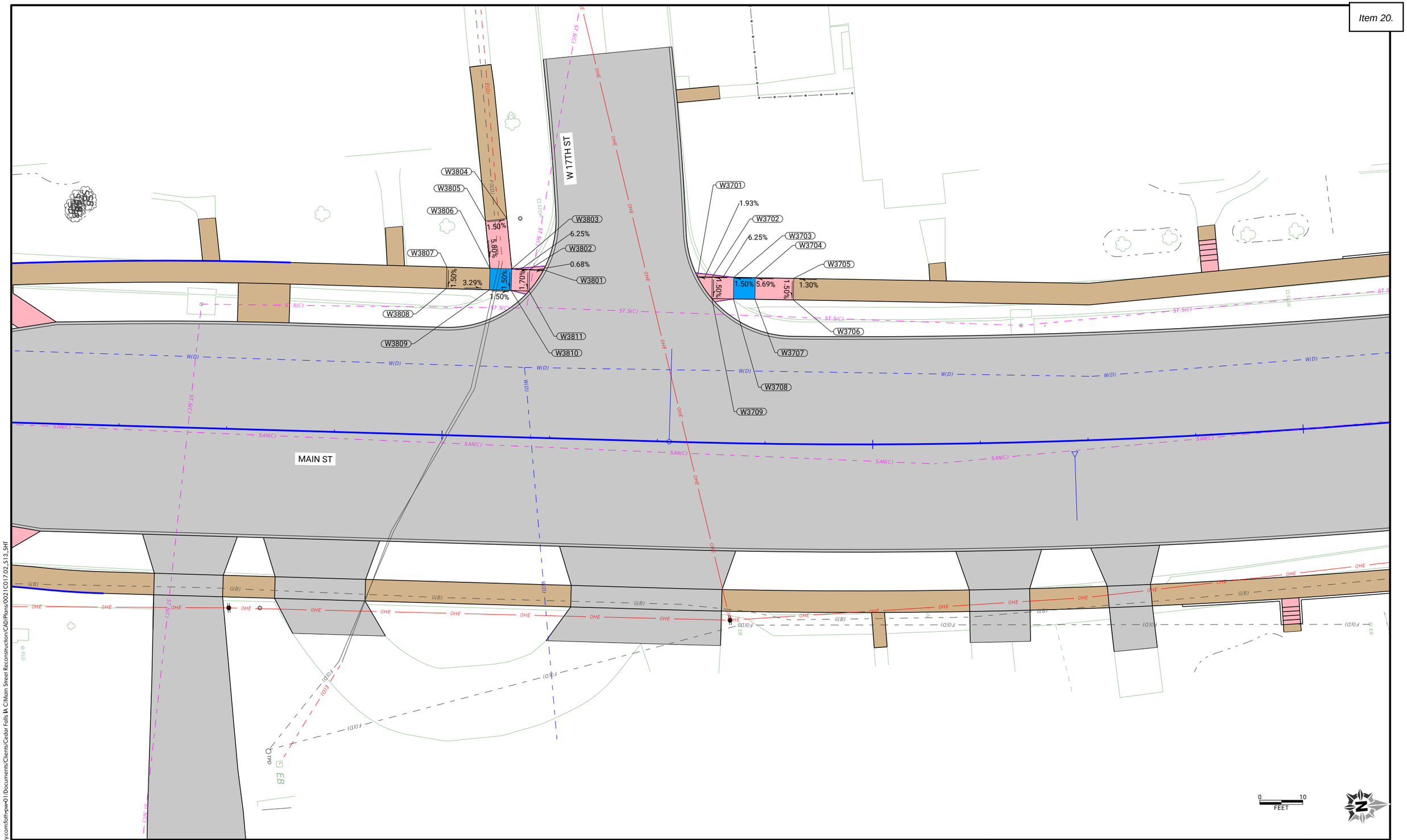

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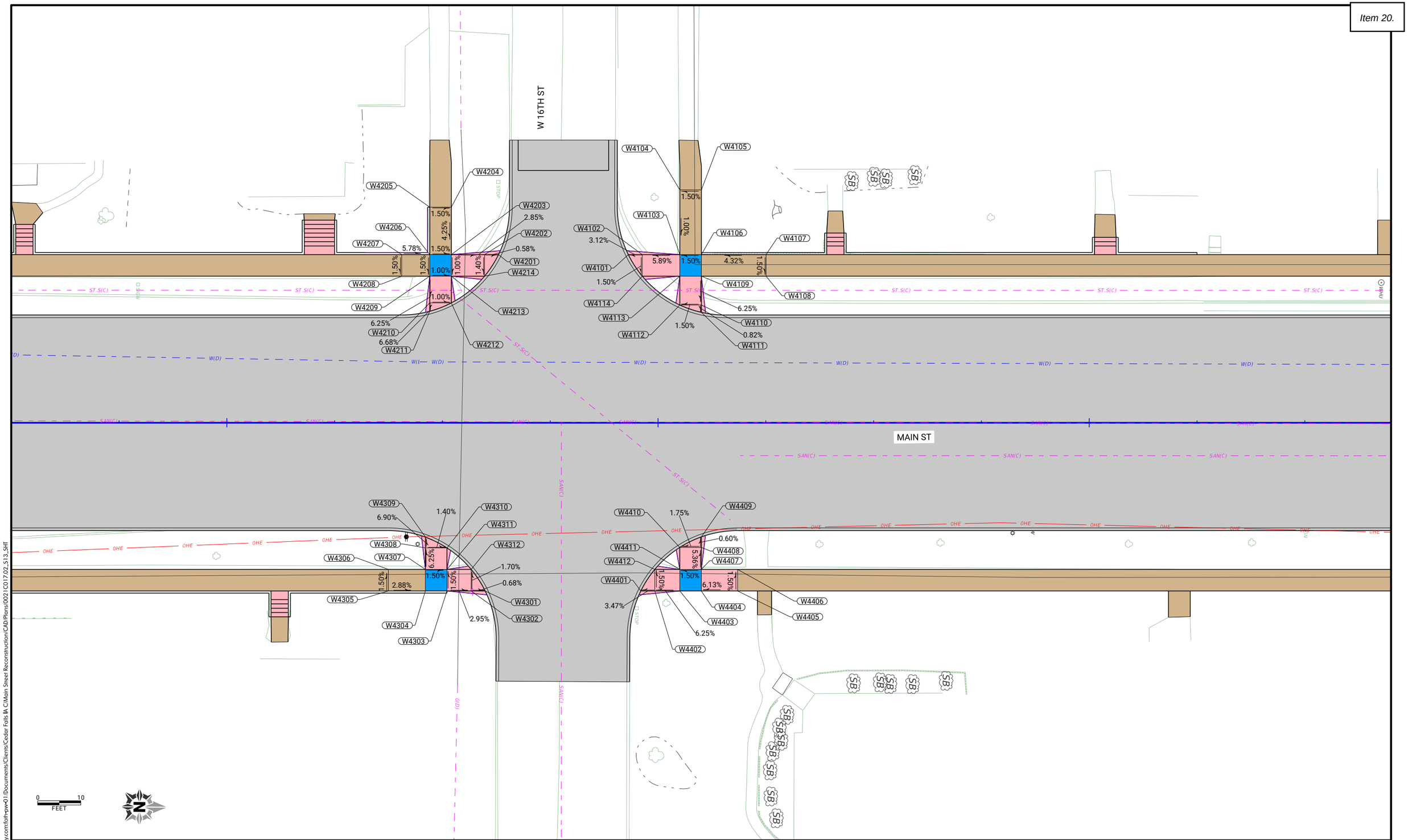
NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

17TH STREET
SIDEWALK LAYOUT

SHEET NO.
S.20



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CHECKED BY:	C. CARPER
DRAWN BY:	T. LECLAIR
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

16TH STREET
SIDEWALK LAYOUT

SHEET NO.
S.21

STBG-SWAP-1185(657

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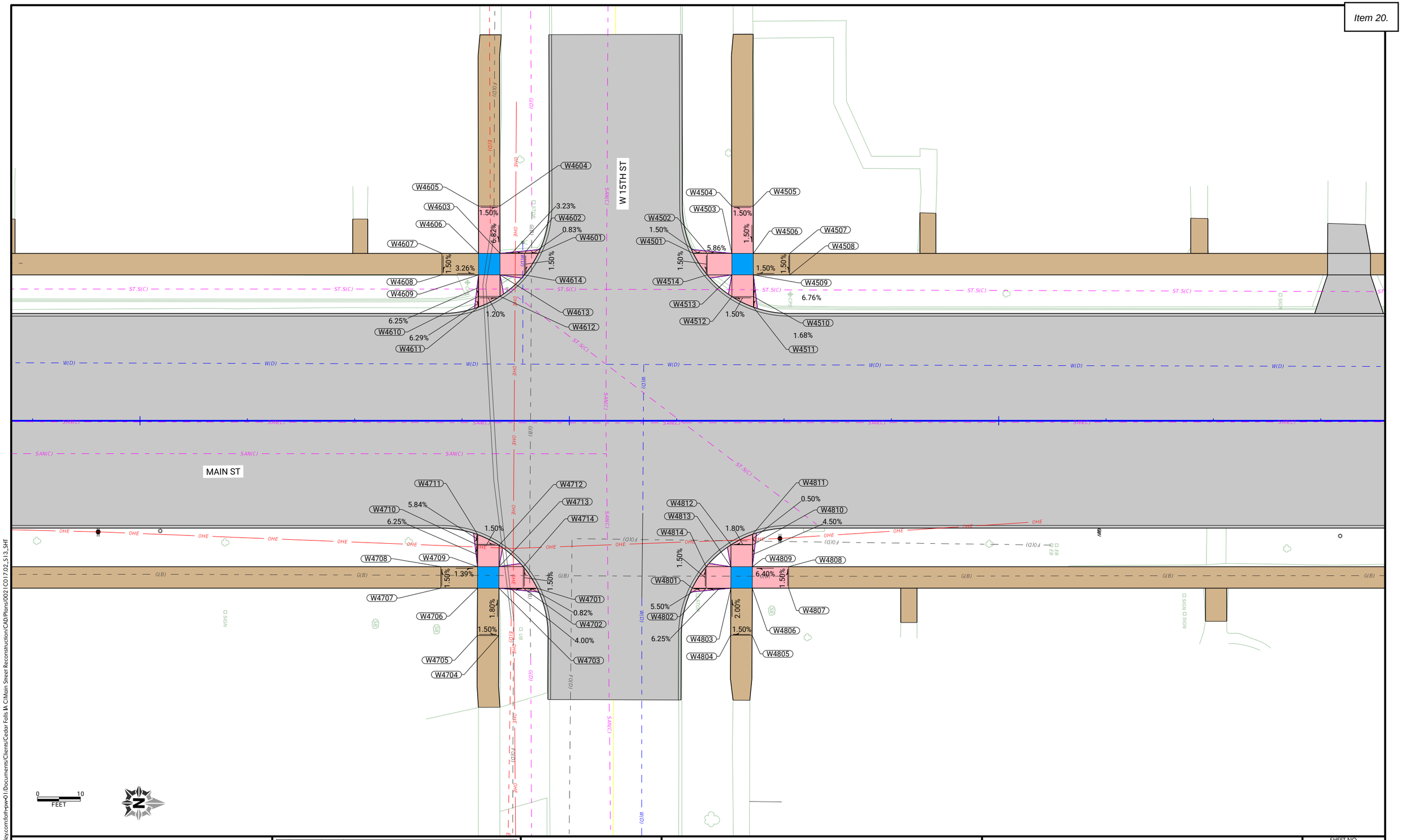

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

15TH STREET
SIDEWALK LAYOUT

SHEET NO.
S.22
STBG-SWAP-1185(657)

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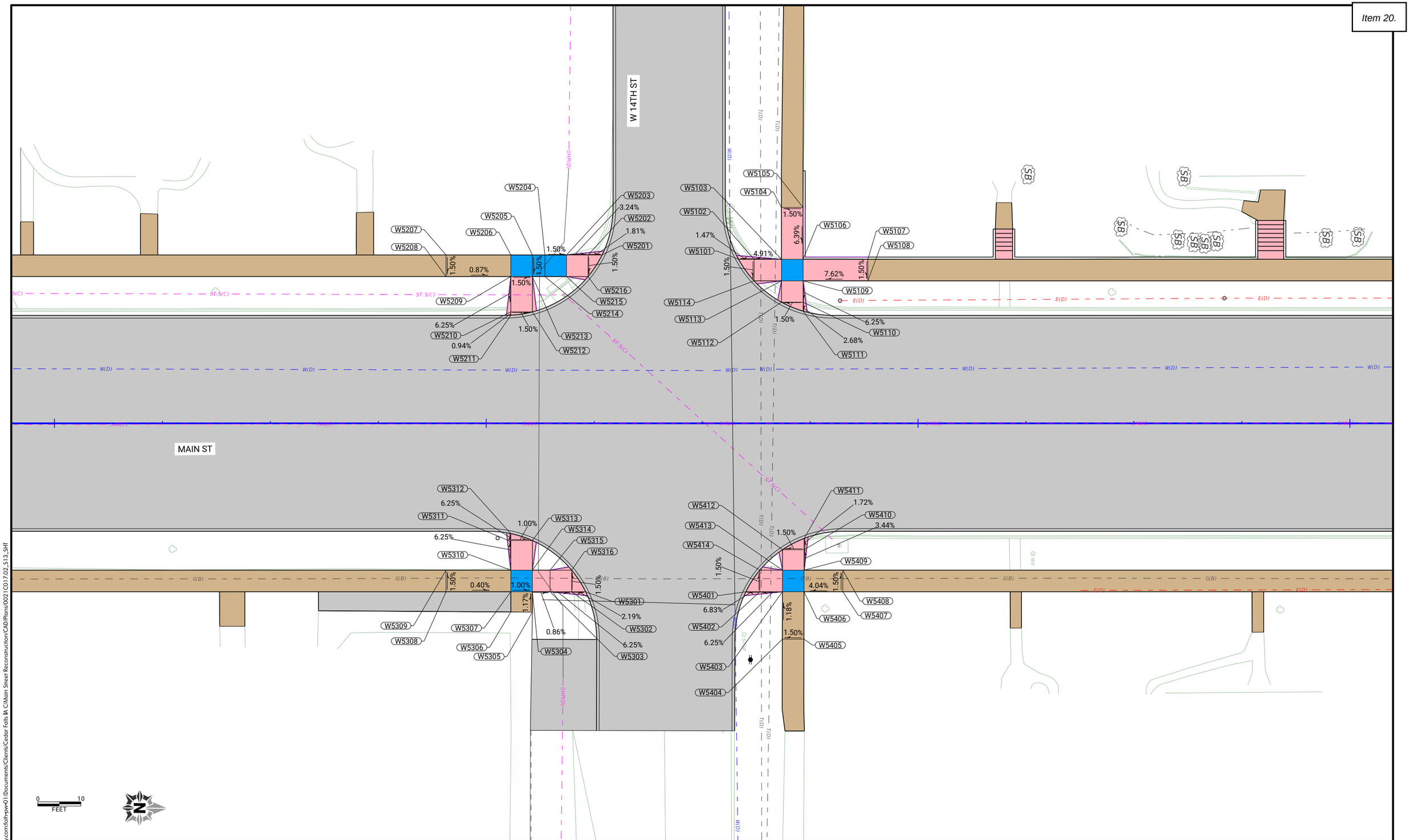

CLIENT PROJECT NO:	STBG-SWAP-1185(657)--SG--07
FOTH PROJECT NO:	0021C017.02
DESIGNED BY:	T. LECLAIR
CHECKED BY:	C. CARPER
DRAWN BY:	T. LECLAIR
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

14TH STREET
SIDEWALK LAYOUT

SHEET NO.
S.23

STBG-SWAP-1185(657

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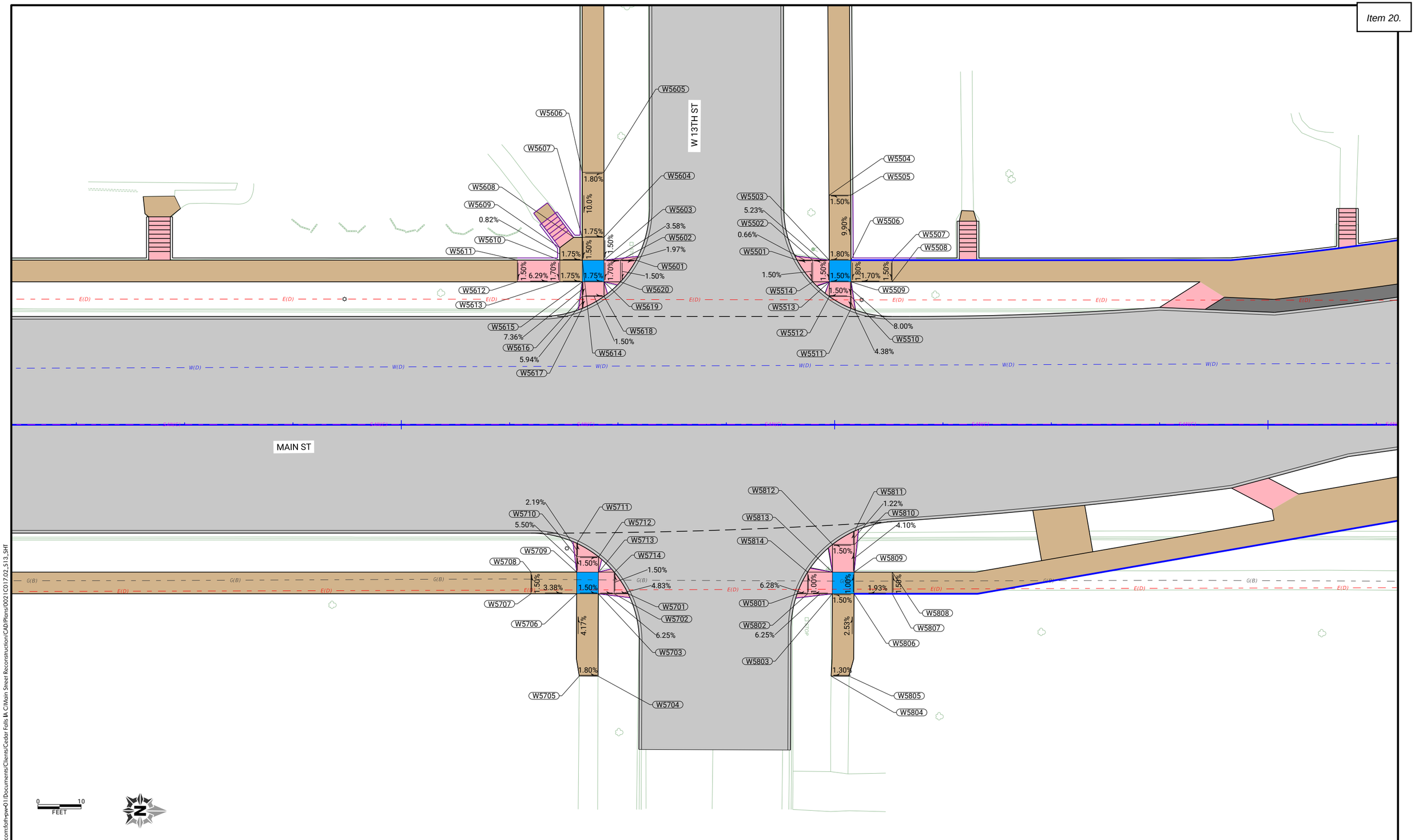

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

13TH STREET
SIDEWALK LAYOUT

SHEET NO.
S.24
STBG-SWAP-1185(657

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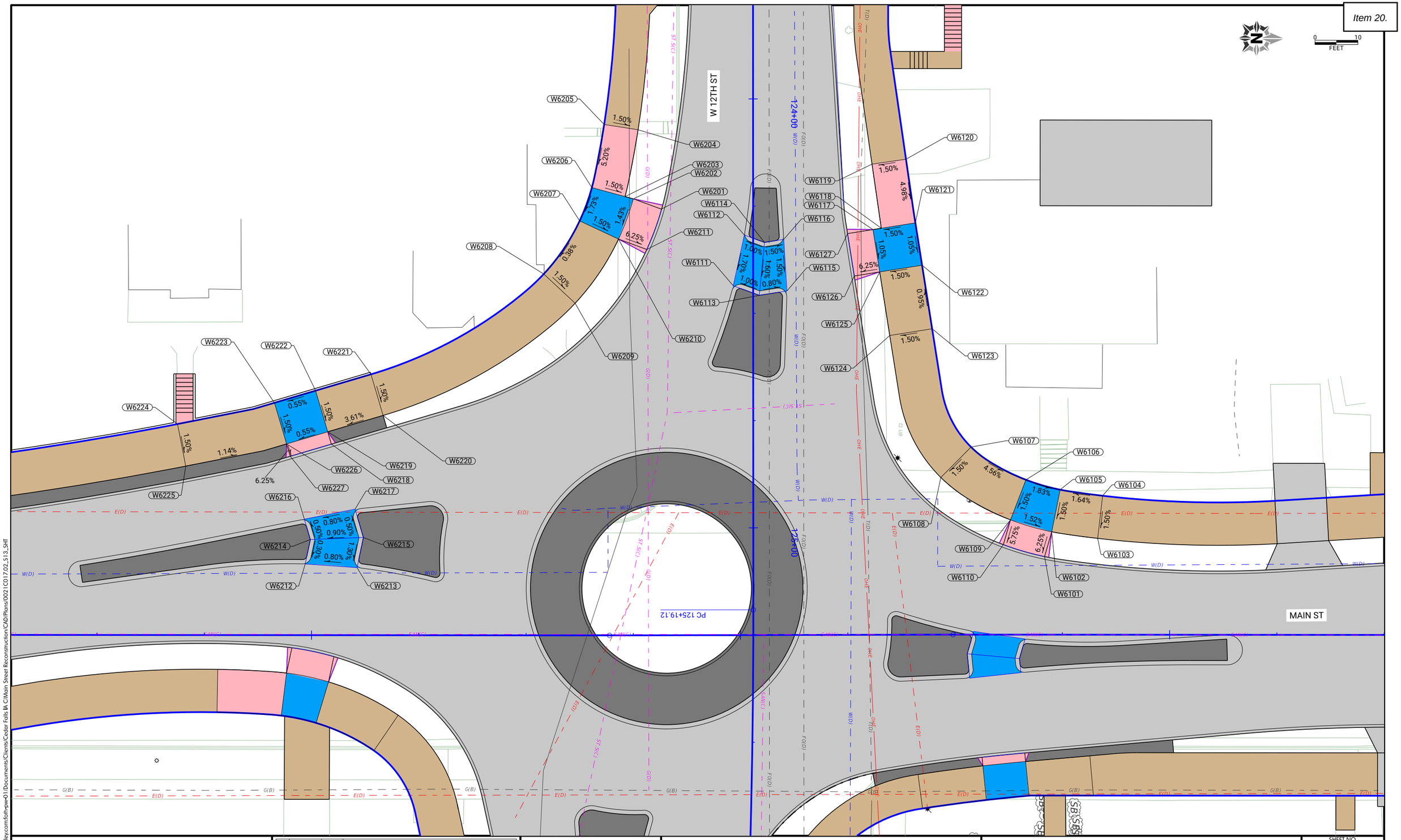

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

12TH STREET
SIDEWALK LAYOUT

SHEET NO.
S.25
STBG-SWAP-1185(657)

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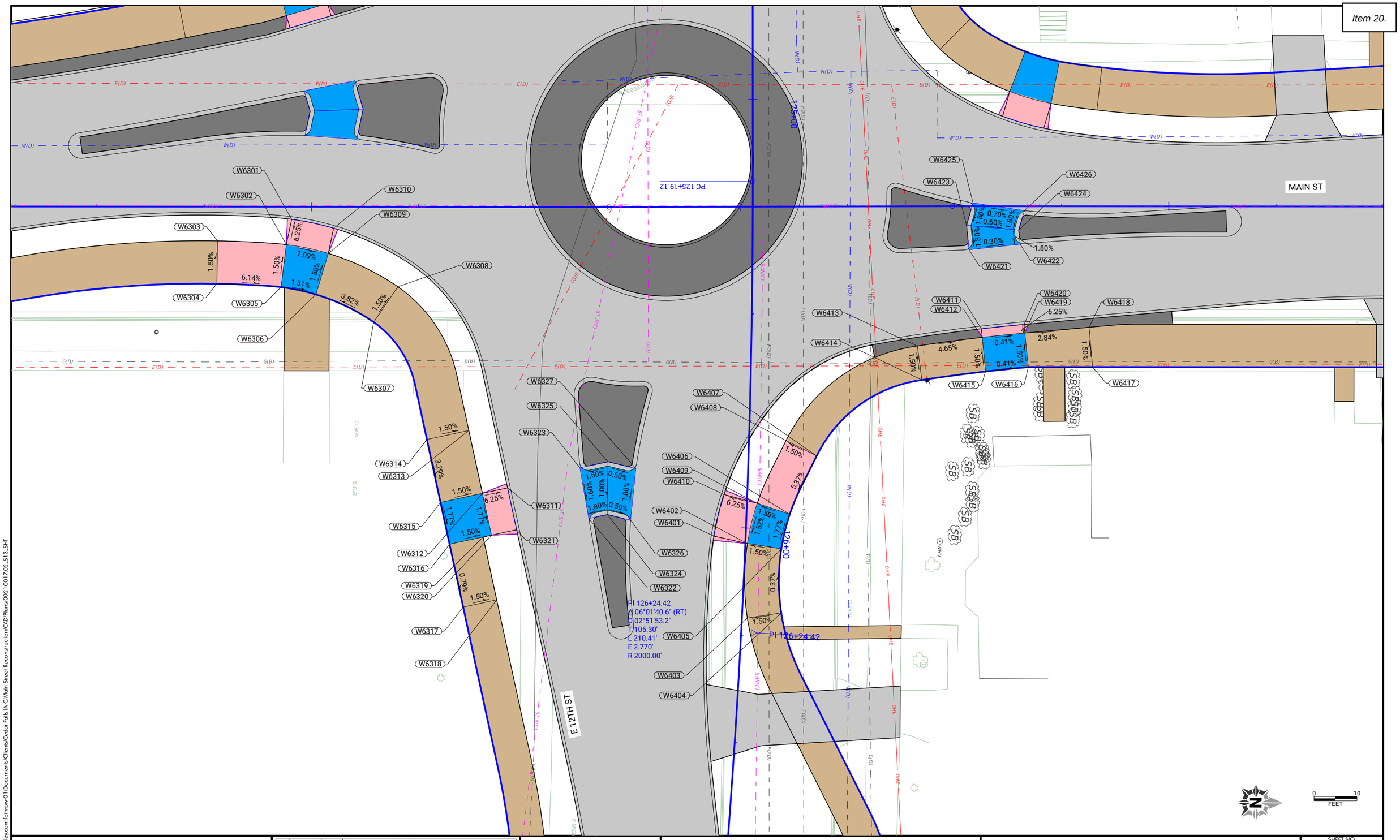

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

12TH STREET
SIDEWALK LAYOUT

SHEET NO.
S.26

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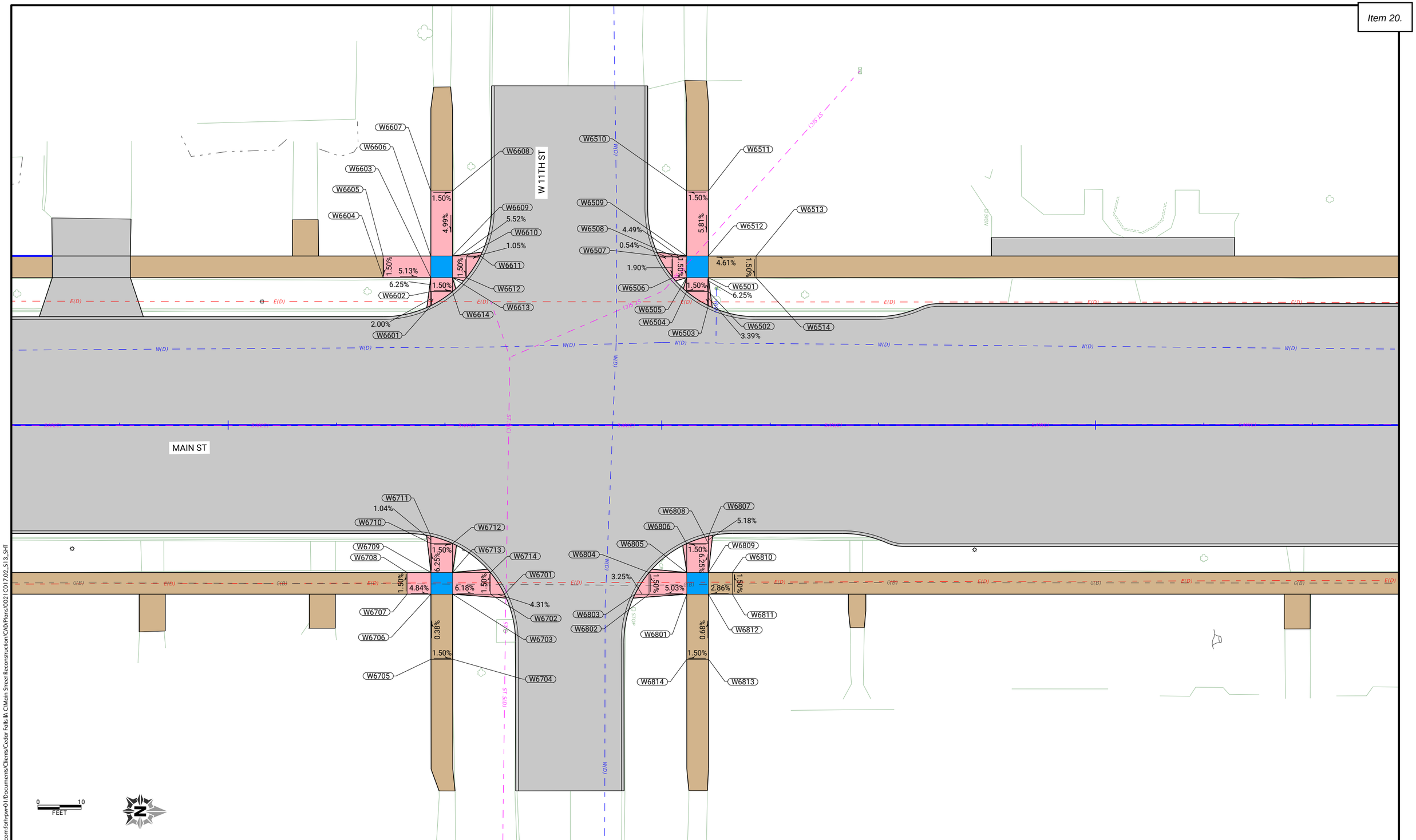

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

11TH STREET
SIDEWALK LAYOUT

SHEET NO.
S.27

STBG-SWAP-1185(657

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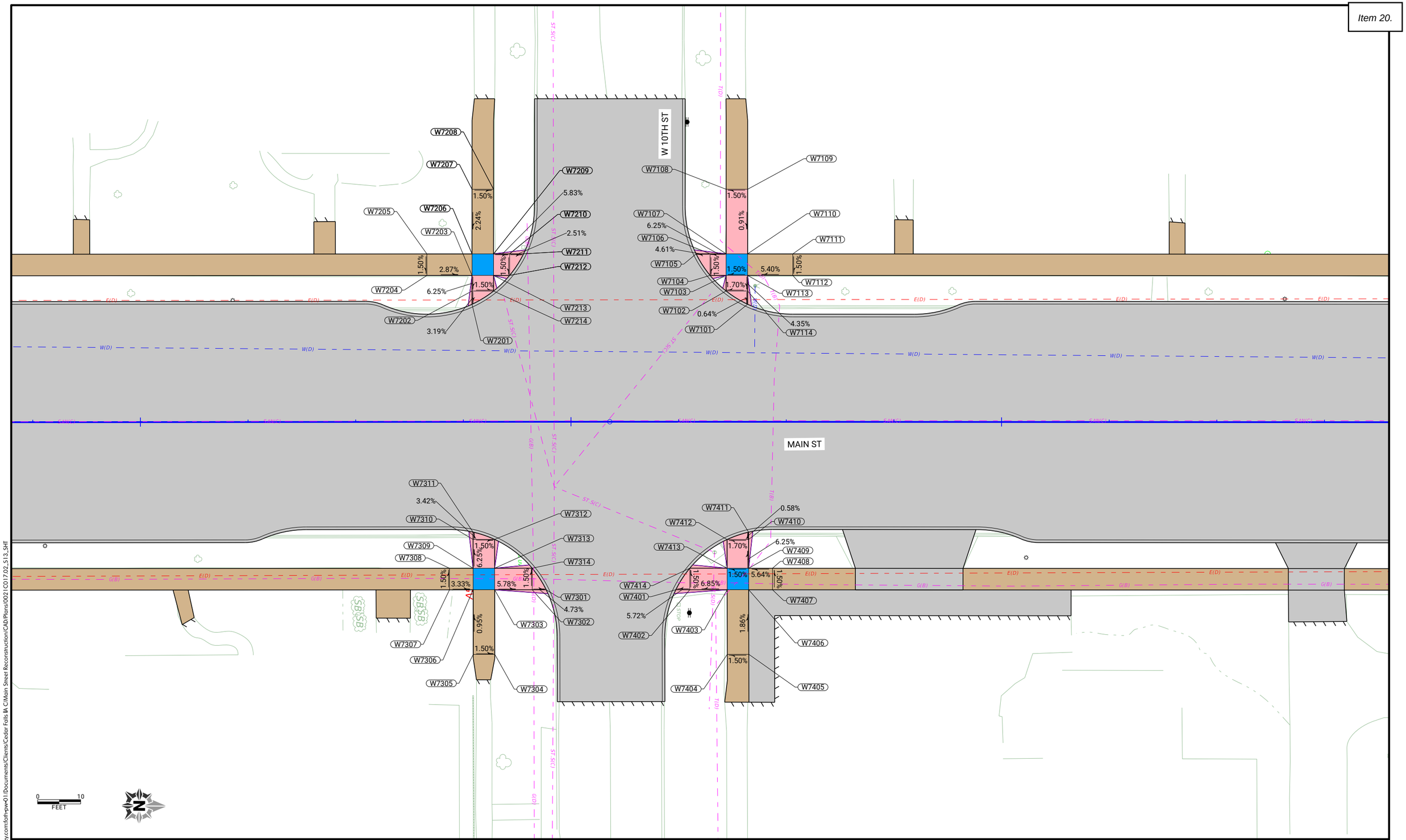

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

10TH STREET
SIDEWALK LAYOUT

SHEET NO.
S.28

STBG-SWAP-1185(657)

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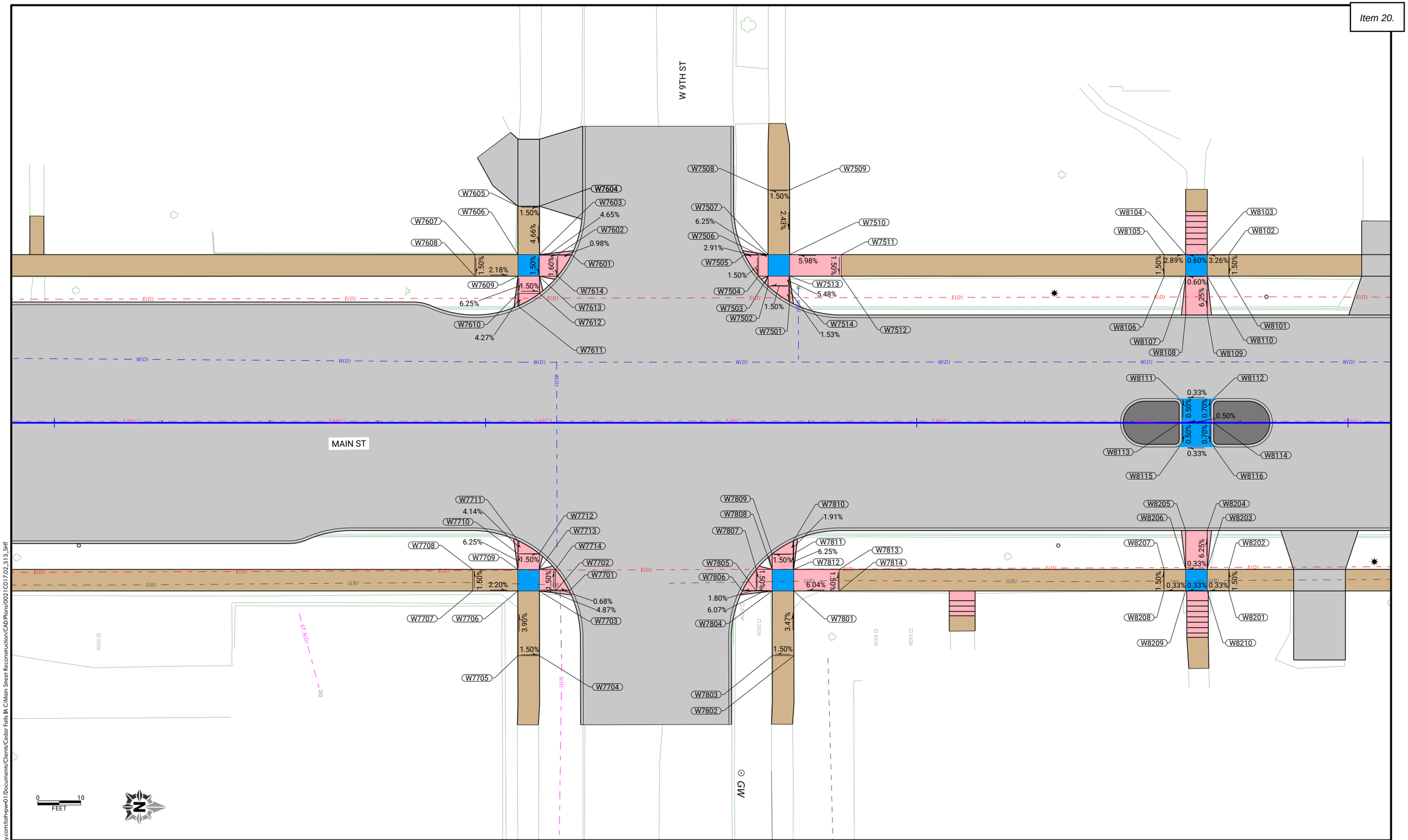

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

9TH STREET
SIDEWALK LAYOUT

SHEET NO.
S.29

STBG-SWAP-1185(657

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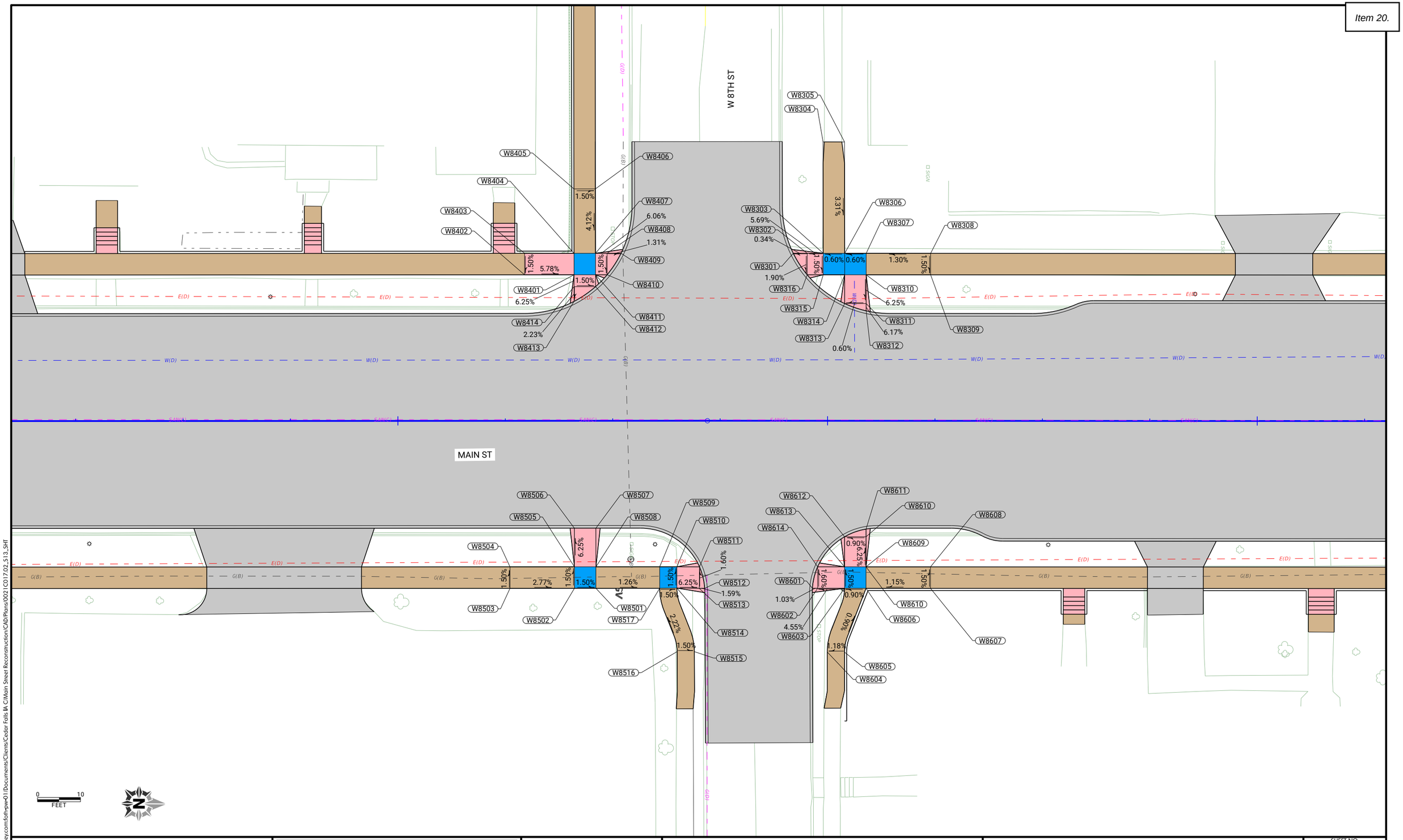

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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

8TH STREET
SIDEWALK LAYOUT

SHEET NO.
S.30
STBG-SWAP-1185(657

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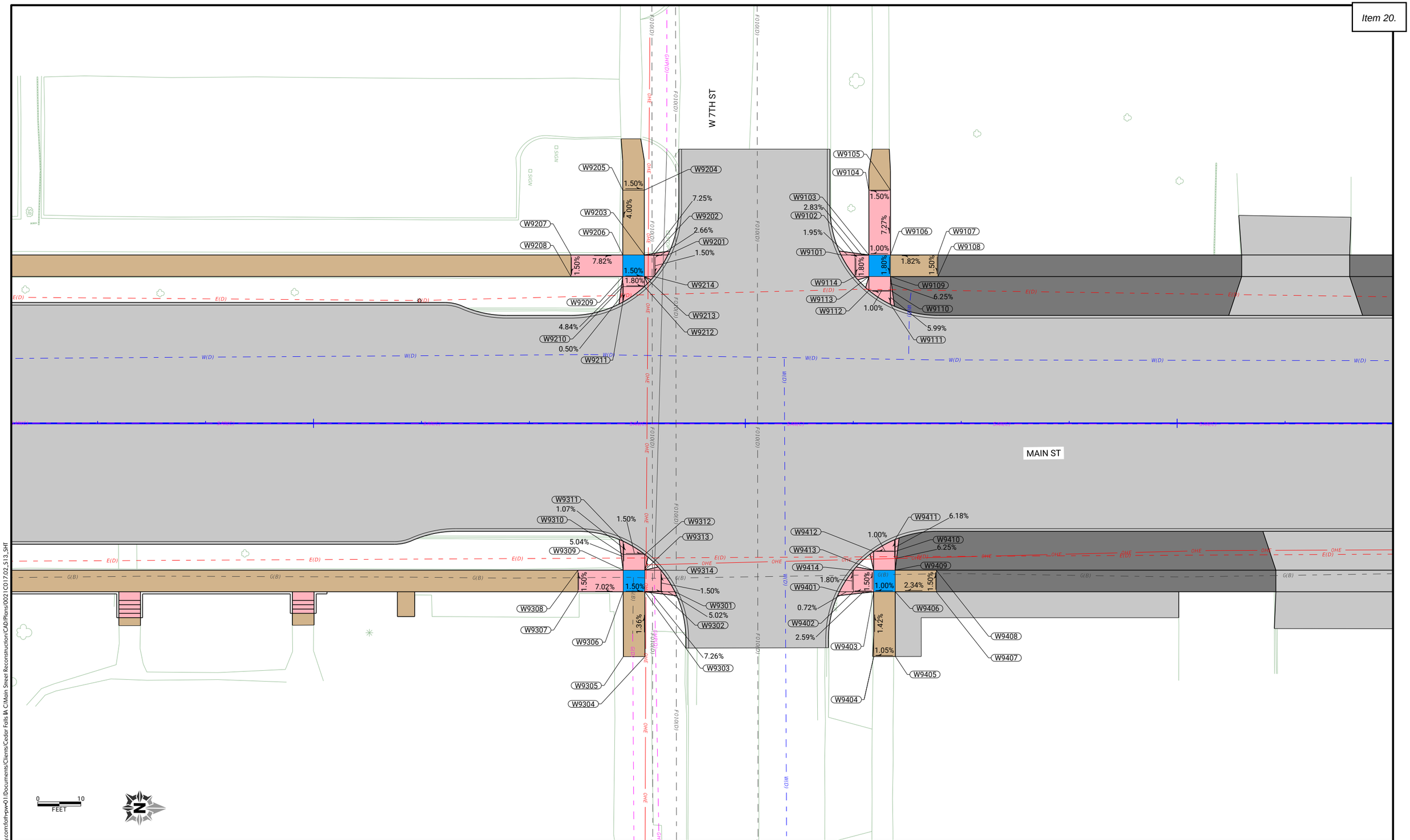

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

7TH STREET
SIDEWALK LAYOUT

SHEET NO.
S.31

STBG-SWAP-1185(657)

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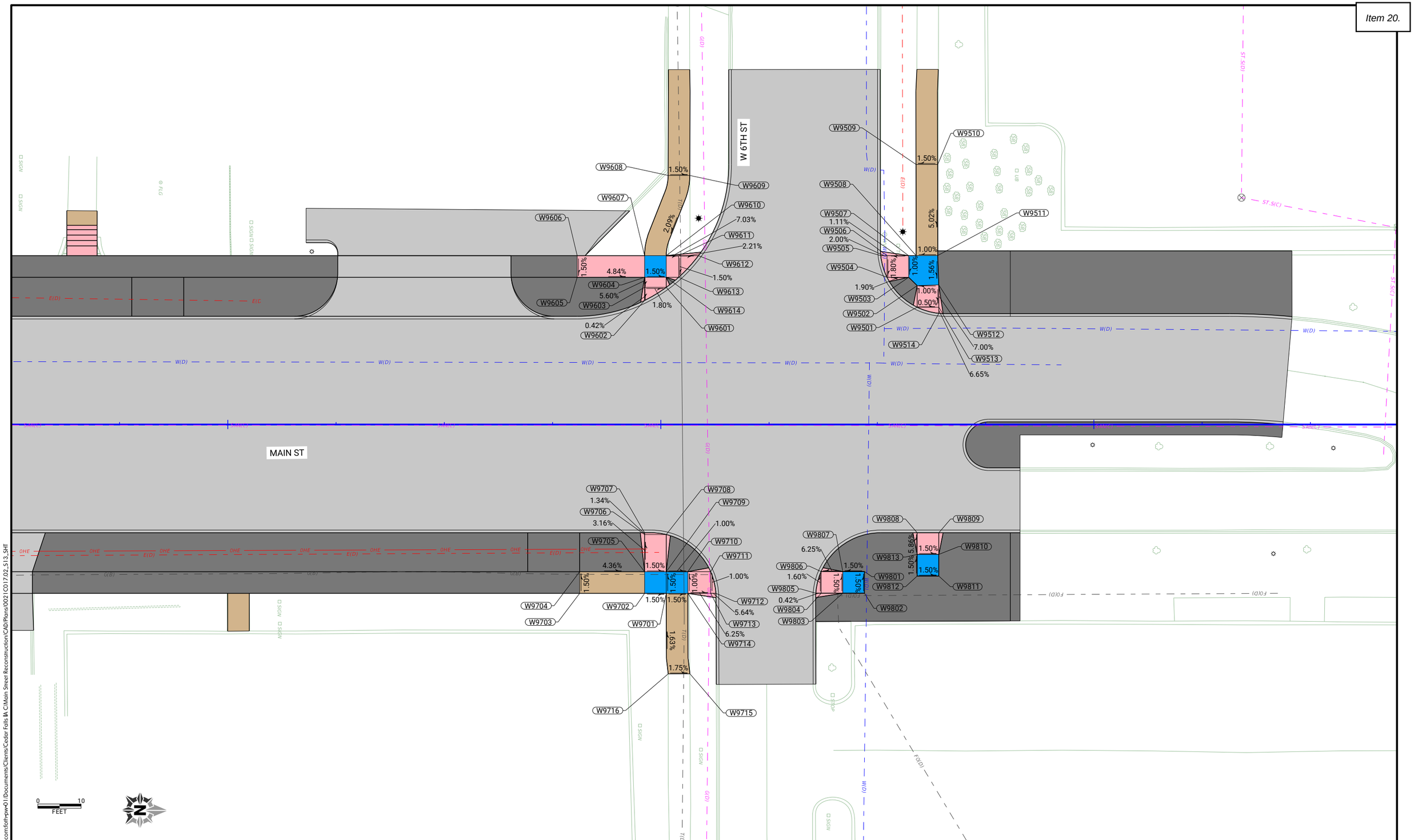

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

6TH STREET
SIDEWALK LAYOUT

SHEET NO.
S.32

STBG-SWAP-1185(657)

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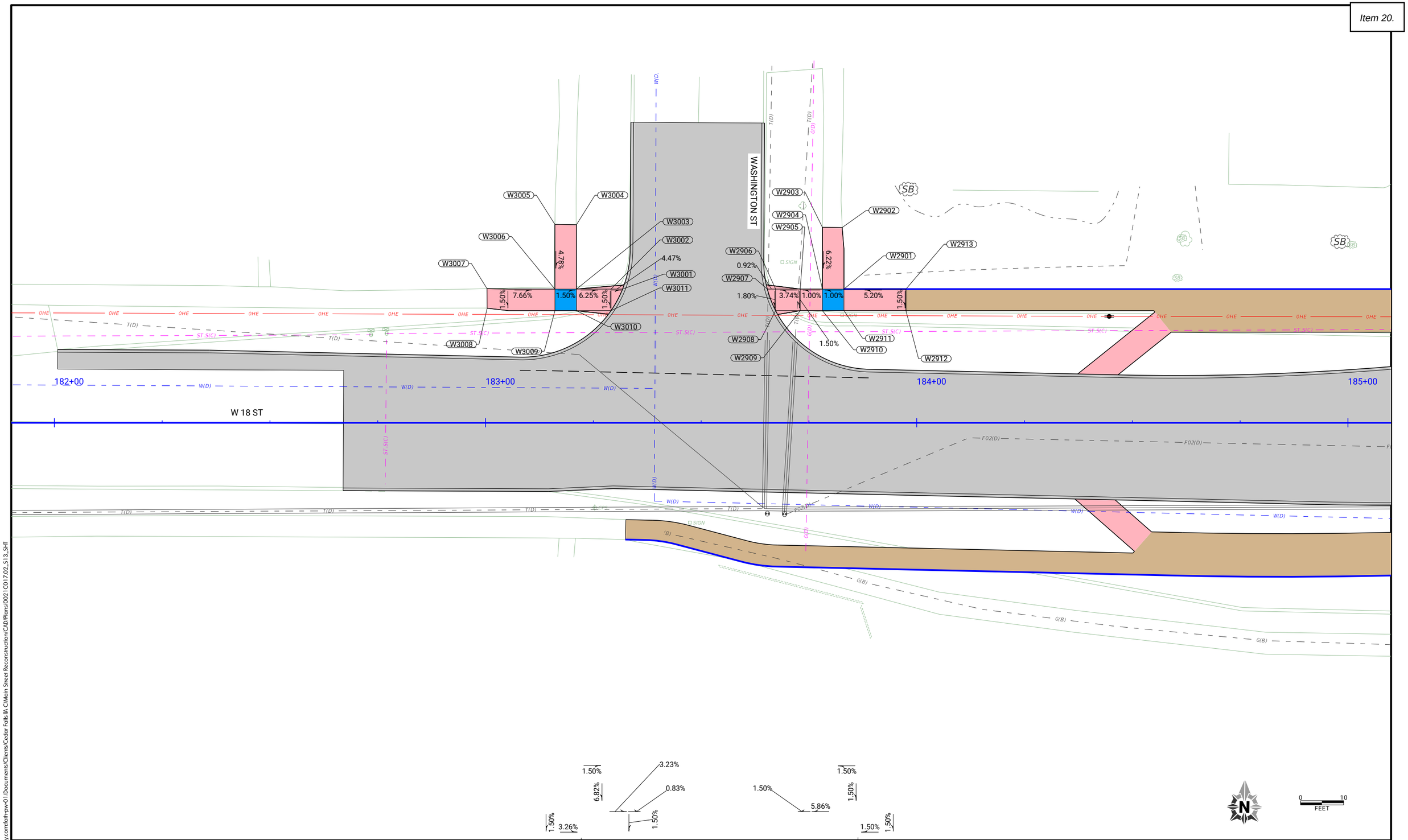

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

18TH STREET
SIDEWALK LAYOUT

SHEET NO.
S.33
STBG-SWAP-1185(657

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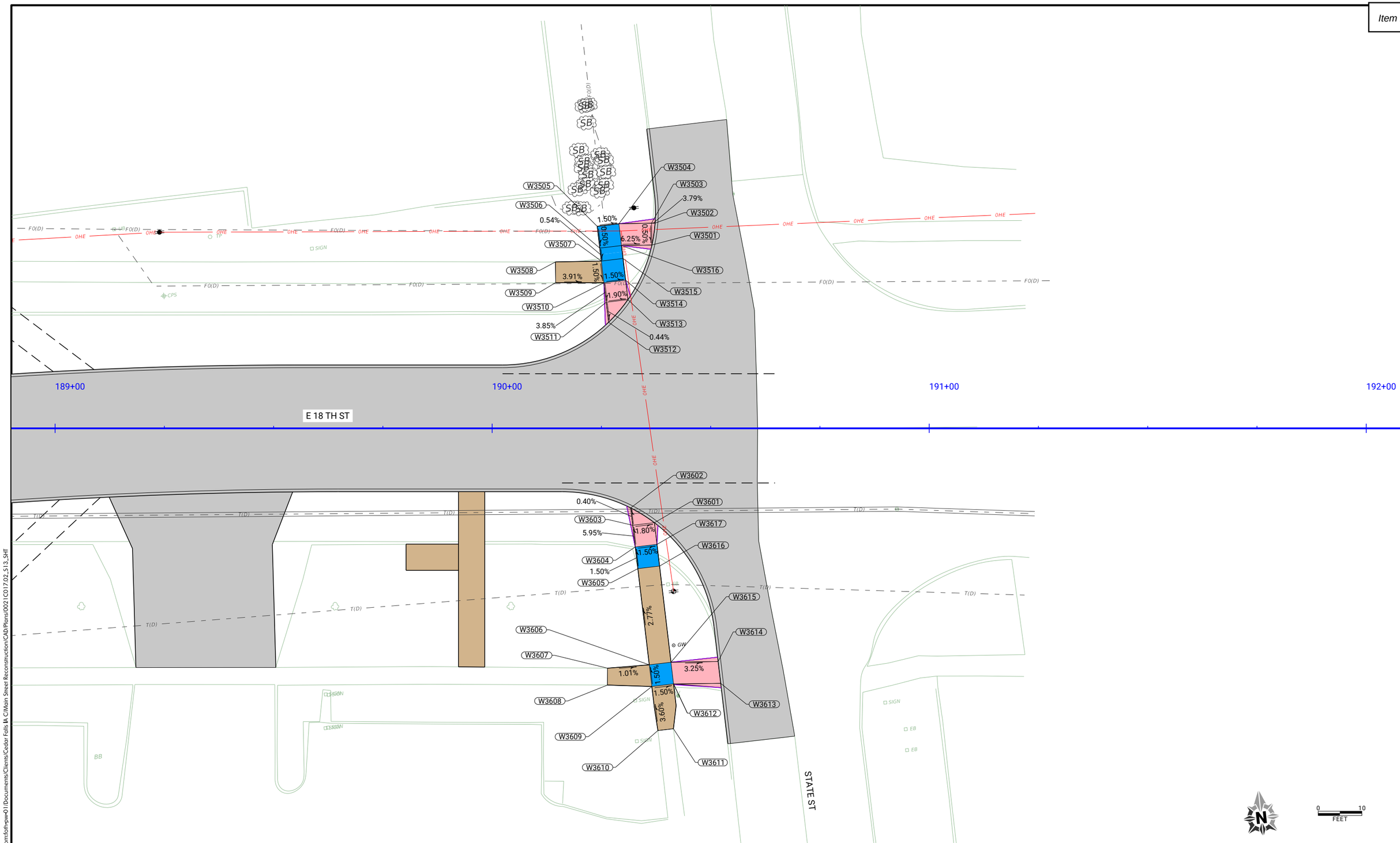

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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: T. LECLAIR	CHECKED BY: C. CARPER	DRAWN BY: T. LECLAIR	
LETTING DATE: 11/15/2022	CAD DATE: 8/26/2022	11:45:34 AM	
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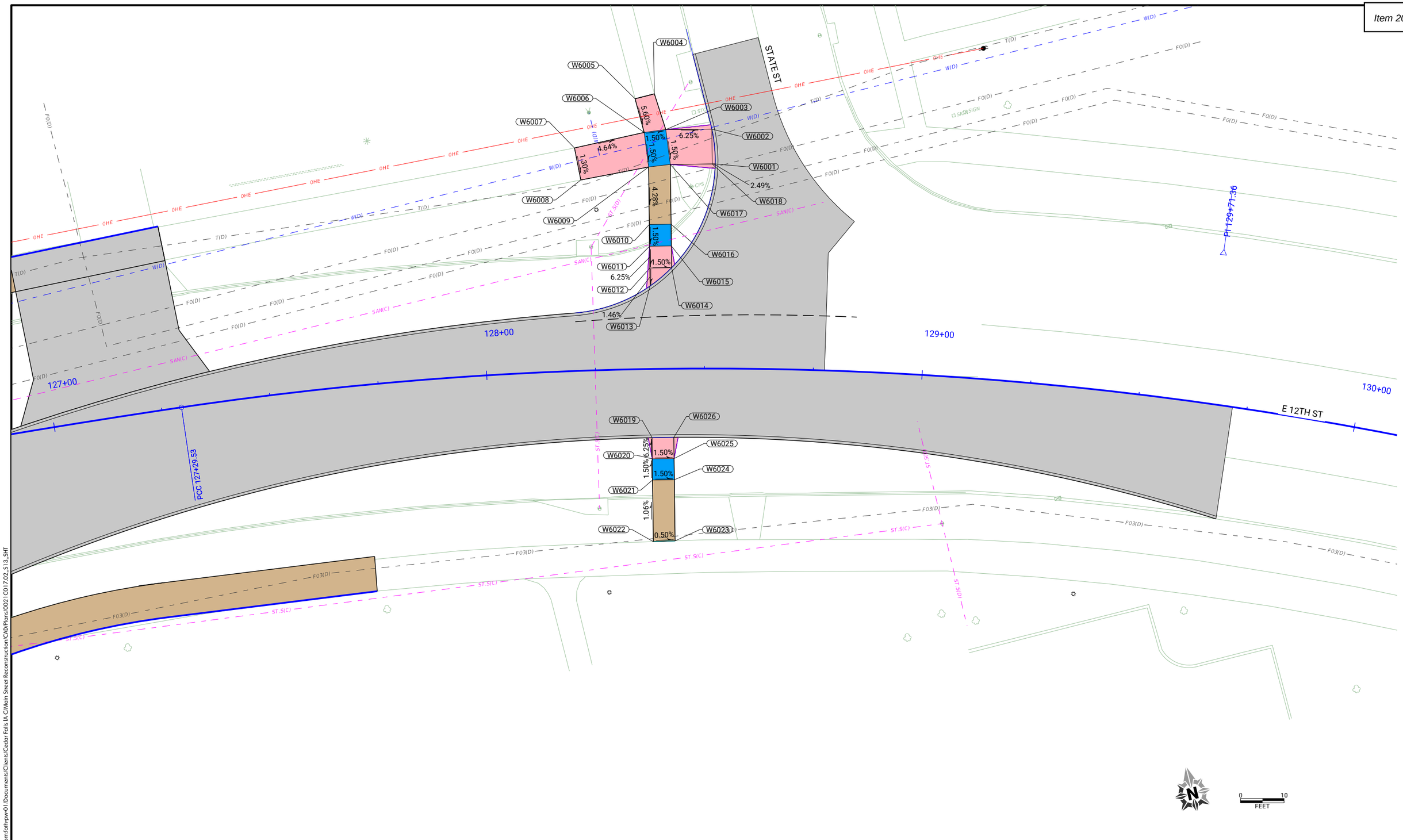
NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

18TH STREET
SIDEWALK LAYOUT

SHEET NO.
S.34



CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: T. LECLAIR	CHECKED BY: C. CARPER	DRAWN BY: T. LECLAIR	
LETTING DATE: 11/15/2022	CAD DATE: 8/26/2022	11:45:35 AM	
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

12TH STREET
SIDEWALK LAYOUT

SHEET NO.
S.35

STBG-SWAP-1185(657)

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SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
(1) Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
(2) Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk (2)	Distance* FT	Δ Elevation FT	Slope %	Acceptable Constructed Range Pos. or Neg.	Staking Required on this Quadrant? (1)	Measured Slope %	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES Point	Station	Offset	Elevation
1101	1102	Ramp Running Slope	6	6.00	0.37	6.2%	0.5% to 8.3%					1101	1011+19.05	-11.14	872.08
1101	1110	Crosswalk Cross Slope - Yield Condition	6	10.01	0.05	0.5%	0.0% to 2.0%					1102	1011+20.52	-16.95	872.46
1102	1103	Sidewalk Running Slope	4	12.69	0.17	1.4%	0.5% to 5.0%					1103	1011+33.17	-16.26	872.63
1102	1105	Landing/Turning Space	4	10.00	0.15	1.5%	0.1% to 2.0%					1104	1011+32.66	-26.25	872.78
1102	1109	Landing/Turning Space	4	10.01	0.05	0.5%	0.1% to 2.0%					1105	1011+22.16	-26.84	872.61
1103	1104	Sidewalk Cross Slope	4	10.00	0.15	1.5%	0.5% to 2.0%					1106	1011+14.11	-28.88	872.66
1104	1105	Sidewalk Running Slope	4	10.54	-0.17	-1.6%	0.5% to 5.0%					1107	1010+99.95	-33.85	872.94
1105	1106	Landing/Turning Space	4	8.32	0.05	0.6%	0.1% to 2.0%					1108	1010+95.96	-24.68	872.79
1106	1107	Sidewalk Running Slope	4	15.00	0.28	1.9%	0.5% to 5.0%					1109	1011+10.83	-19.43	872.51
1106	1109	Landing/Turning Space	4	10.00	-0.15	-1.5%	0.1% to 2.0%					1110	1011+09.35	-13.60	872.13
1107	1108	Sidewalk Cross Slope	4	10.00	-0.15	-1.5%	0.5% to 2.0%					1111	1010+65.69	-79.12	872.38
1108	1109	Sidewalk Running Slope	4	15.00	-0.28	-1.9%	0.5% to 5.0%					1112	1010+67.63	-79.61	872.50
1109	1110	Ramp Running Slope	6	6.00	-0.38	-6.3%	0.5% to 8.3%					1113	1010+71.89	-64.83	872.70
1111	1112	Ramp Running Slope	6	2.00	0.13	6.3%	0.5% to 8.3%					1114	1010+81.45	-67.78	872.85
1111	1116	Crosswalk Cross Slope - Yield Condition	6	10.00	0.06	0.6%	0.0% to 2.0%					1115	1010+77.29	-82.20	872.65
1112	1113	Sidewalk Running Slope	4	15.00	0.20	1.3%	0.5% to 5.0%					1116	1010+63.23	-88.81	872.44
1112	1115	Landing/Turning Space	4	10.00	0.15	1.5%	0.1% to 2.0%					1117	1010+65.17	-89.30	872.56
1112	1117	Landing/Turning Space	4	10.00	0.06	0.6%	0.1% to 2.0%					1118	1010+70.01	-90.53	872.64
1113	1114	Sidewalk Cross Slope	4	10.00	0.15	1.5%	0.5% to 2.0%					1119	1010+74.86	-91.77	872.71
1114	1115	Sidewalk Running Slope	4	15.00	-0.20	-1.3%	0.5% to 5.0%					1120	1010+72.22	-100.60	872.89
1115	1119	Landing/Turning Space	4	10.00	0.06	0.6%	0.1% to 2.0%					1121	1010+67.43	-99.16	872.81
1116	1117	Ramp Running Slope	6	2.00	0.13	6.3%	0.5% to 8.3%					1122	1010+43.98	-72.57	872.70
1117	1118	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					1123	1010+44.06	-84.97	872.72
1118	1119	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					1124	1010+50.73	-74.28	872.58
1118	1121	Sidewalk Running Slope	4	9.22	0.17	1.9%	0.5% to 5.0%					1125	1010+48.49	-86.10	872.64
1119	1120	Sidewalk Running Slope	4	9.22	0.17	1.9%	0.5% to 5.0%					1126	1010+37.15	-74.40	872.66
1120	1121	Sidewalk Cross Slope	4	5.00	-0.08	-1.5%	0.5% to 2.0%					1127	1010+38.63	-86.43	872.67
1122	1123	Crosswalk Cross Slope - Yield Condition	6	12.40	0.02	0.1%	0.0% to 2.0%					1201	1009+52.94	-32.25	873.43
1122	1124	Landing/Turning Space	4	6.96	-0.12	-1.8%	0.1% to 2.0%	Yes				1202	1009+52.40	-34.17	873.55
1122	1126	Landing/Turning Space	4	7.07	-0.05	-0.7%	0.1% to 2.0%					1203	1009+67.11	-38.87	873.96
1123	1125	Landing/Turning Space	4	4.57	-0.08	-1.8%	0.1% to 2.0%	Yes				1204	1009+63.86	-48.32	874.11
1123	1127	Landing/Turning Space	4	5.63	-0.05	-0.9%	0.1% to 2.0%					1205	1009+49.57	-43.76	873.70
1124	1125	Crosswalk Cross Slope - Yield Condition	6	12.00	0.06	0.5%	0.0% to 2.0%					1206	1009+40.21	-41.15	873.65
1126	1127	Crosswalk Cross Slope - Yield Condition	6	12.00	0.01	0.1%	0.0% to 2.0%					1207	1009+25.62	-37.68	874.02
1201	1202	Ramp Running Slope	6	2.00	0.13	6.3%	0.5% to 8.3%					1208	1009+27.48	-27.97	873.87
1201	1210	Crosswalk Cross Slope - Yield Condition	6	10.00	-0.01	-0.1%	0.0% to 2.0%					1209	1009+42.77	-31.48	873.50
1202	1203	Sidewalk Running Slope	4	15.00	0.40	2.7%	0.5% to 5.0%					1210	1009+43.31	-29.55	873.42
1202	1205	Landing/Turning Space	4	10.00	0.15	1.5%	0.1% to 2.0%					1211	1009+48.03	-9.20	873.70
1202	1209	Landing/Turning Space	4	10.00	-0.05	-0.5%	0.1% to 2.0%					1212	1009+60.34	-9.78	873.70
1203	1204	Sidewalk Cross Slope	4	10.00	0.15	1.5%	0.5% to 2.0%					1213	1009+46.39	-15.01	873.59
1204	1205	Sidewalk Running Slope	4	15.00	-0.40	-2.7%	0.5% to 5.0%					1214	1009+58.08	-17.78	873.55
1205	1206	Landing/Turning Space	4	9.71	-0.05	-0.5%	0.1% to 2.0%					1215	1009+46.73	-2.15	873.66
1206	1207	Sidewalk Running Slope	4	15.00	0.37	2.5%	0.5% to 5.0%					1216	1009+58.79	-1.41	873.66
1206	1209	Landing/Turning Space	4	10.00	-0.15	-1.5%	0.1% to 2.0%					1217	1010+09.77	-64.40	873.43
1207	1208	Sidewalk Cross Slope	4	10.00	-0.15	-1.5%	0.5% to 2.0%					1218	1010+20.87	-79.81	872.61
1208	1209	Sidewalk Running Slope	4	15.00	-0.37	-2.5%	0.5% to 5.0%					1219	1010+15.41	-81.27	872.96
1209	1210	Ramp Running Slope	6	2.00	-0.08	-4.0%	0.5% to 8.3%					1220	1010+23.46	-89.47	872.55
1211	1212	Crosswalk Cross Slope - Yield Condition	6	12.32	0.01	0.1%	0.0% to 2.0%					1221	1010+17.65	-91.03	872.91
1211	1213	Landing/Turning Space	4	6.04	-0.10	-1.7%	0.1% to 2.0%	Yes				1222	1010+18.35	-108.14	873.26
1211	1215	Landing/Turning Space	4	7.17	-0.04	-0.5%	0.1% to 2.0%					1223	1010+08.36	-107.74	873.41
1212	1214	Landing/Turning Space	4	8.32	-0.15	-1.8%	0.1% to 2.0%	Yes				1224	1010+07.80	-92.79	873.06
1212	1216	Landing/Turning Space	4	8.51	-0.04	-0.5%	0.1% to 2.0%					1225	1010+05.69	-83.60	873.11
1213	1214	Crosswalk Cross Slope - Yield Condition	6	12.01	-0.04	-0.3%	0.0% to 2.0%					1226	1010+01.11	-69.39	873.58
1215	1216	Crosswalk Cross Slope - Yield Condition	6	12.09	0.00	0.0%	0.0% to 2.0%					1301	1009+86.27	99.81	873.95
1217	1219	Sidewalk Running Slope	4	17.88	-0.47	-2.6%	0.5% to 5.0%					1302	1009+83.57	85.06	873.67
1217	1226	Sidewalk Cross Slope	4	10.00	0.15	1.5%	0.5% to 2.0%					1303	1009+81.78	75.26	873.81
1218	1219	Ramp Running Slope	6	5.65	0.35	6.2%	0.5% to 8.3%					1304	1009+79.64	65.49	874.39
1218	1220	Crosswalk Cross Slope - Yield Condition	6	10.01	-0.06	-0.6%	0.0% to 2.0%					1305	1009+89.48	63.65	874.24
1219	1221	Landing/Turning Space	4	10.00	-0.06	-0.6%	0.1% to 2.0%					1306	1009+91.61	73.42	873.66
1219	1225	Landing/Turning Space	4	10.00	0.15	1.5%	0.1% to 2.0%					1307	1009+93.58	73.06	873.54
1220	1221	Ramp Running Slope	6	6.02	0.36	6.0%	0.5% to 8.3%					1308	1009+95.38	82.90	873.40
1221	1222	Sidewalk Running Slope	4	17.71	0.35	2.0%	0.5% to 5.0%					1309	1009+93.41	83.26	873.52
1221	1224	Landing/Turning Space	4	10.00	0.15	1.5%	0.1% to 2.0%					1310	1009+88.49	84.16	873.60
1222	1223	Sidewalk Cross Slope	4	10.00	0.15	1.5%	0.5% to 2.0%					1311	1009+91.19	98.91	873.87
1223	1224	Sidewalk Running Slope	4	15.00	-0.35	-2.3%	0.5% to 5.0%					1312	1010+11.00	81.06	873.38
1224	1225	Landing/Turning Space	4	9.43	0.06	0.6%	0.1% to 2.0%					1313	1010+09.70	69.10	873.47
1225	1226	Sidewalk Running Slope	4	15.00	0.47	3.1%	0.5% to 5.0%					1314	1010+16.15	67.91	873.51
1301	1302	Sidewalk Running Slope	4	15.00	-0.28	-1.8%	0.5% to 5.0%					1315	1010+22.36	69.97	873.40
1301	1311	Sidewalk Cross Slope	4	5.00	-0.07	-1.5%	0.5% to 2.0%					1316	1010+20.01	81.84	873.37
1302	1303	Landing/Turning Space	4	10.00	0.14	1.4%	0.1% to 2.0%					1317	1010+15.28	80.27	873.42
1302	1310	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					1318	1009+61.16	29.91	874.41
1303	1304	Ramp Running Slope	6	10.00	0.58	5.8%	0.5% to 8.3%					1319	1009+51.84	26.34	874.00

SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
(1) Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
(2) Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk (2)	Distance* FT	Δ Elevation FT	Slope %	Acceptable Constructed Range Pos. or Neg.	Staking Required on this Quadrant? (1)	Measured Slope %	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES Point	Station	Offset	Elevation
1303	1306	Landing/Turning Space	4	10.00	-0.15	-1.5%	0.1% to 2.0%					1320	1009+43.57	24.81	873.91
1304	1305	Sidewalk Cross Slope	4	10.00	-0.15	-1.5%	0.5% to 2.0%					1321	1009+28.63	25.38	874.16
1305	1306	Ramp Running Slope	6	10.00	-0.58	-5.8%	0.5% to 8.3%					1322	1009+26.84	15.54	874.01
1306	1307	Ramp Running Slope	6	2.00	-0.13	-6.3%	0.5% to 8.3%					1323	1009+44.60	14.87	873.76
1306	1309	Landing/Turning Space	4	10.00	-0.14	-1.4%	0.1% to 2.0%					1324	1009+44.96	12.90	873.63
1307	1308	Crosswalk Cross Slope - Yield Condition	6	10.00	-0.14	-1.4%	0.0% to 2.0%					1325	1009+54.80	14.71	873.72
1308	1309	Ramp Running Slope	6	2.00	0.13	6.3%	0.5% to 8.3%					1326	1009+54.43	16.69	873.85
1309	1310	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					1327	1009+66.01	21.17	874.26
1310	1311	Sidewalk Running Slope	4	15.00	0.28	1.8%	0.5% to 5.0%					1401	1011+30.41	46.77	873.08
1312	1313	Crosswalk Cross Slope - Yield Condition	6	12.03	0.08	0.7%	0.0% to 2.0%					1402	1011+20.56	48.49	872.84
1312	1317	Landing/Turning Space	4	4.36	0.03	0.8%	0.1% to 2.0%					1403	1011+11.01	50.42	872.99
1313	1314	Landing/Turning Space	4	6.56	0.05	0.7%	0.1% to 2.0%					1404	1011+01.26	52.64	873.52
1314	1315	Landing/Turning Space	4	6.54	-0.11	-1.7%	0.1% to 2.0%	Yes				1405	1010+98.91	42.92	873.37
1314	1317	Crosswalk Cross Slope - Yield Condition	6	12.39	-0.10	-0.8%	0.0% to 2.0%					1406	1011+08.91	40.64	872.84
1315	1316	Crosswalk Cross Slope - Yield Condition	6	12.10	-0.04	-0.3%	0.0% to 2.0%					1407	1011+07.73	34.76	872.46
1316	1317	Landing/Turning Space	4	4.98	0.05	1.0%	0.1% to 2.0%					1408	1011+17.53	32.78	872.31
1318	1319	Sidewalk Running Slope	4	10.00	-0.41	-4.1%	0.5% to 5.0%	Yes				1409	1011+18.71	38.67	872.69
1318	1327	Sidewalk Cross Slope	4	10.00	-0.15	-1.5%	0.5% to 2.0%					1410	1011+28.82	36.90	872.93
1319	1320	Landing/Turning Space	4	8.42	-0.09	-1.1%	0.1% to 2.0%					1411	1011+03.71	19.87	872.51
1319	1326	Landing/Turning Space	4	10.00	-0.15	-1.5%	0.1% to 2.0%					1412	1011+15.60	18.11	872.43
1320	1321	Sidewalk Running Slope	4	15.00	0.26	1.7%	0.5% to 5.0%					1413	1011+14.30	11.65	872.39
1320	1323	Landing/Turning Space	4	10.00	-0.15	-1.5%	0.1% to 2.0%					1414	1011+16.22	4.05	872.33
1321	1322	Sidewalk Cross Slope	4	10.00	-0.15	-1.5%	0.5% to 2.0%					1415	1011+04.18	2.73	872.38
1322	1323	Sidewalk Running Slope	4	17.83	-0.26	-1.4%	0.5% to 5.0%					1416	1011+01.99	11.34	872.45
1323	1324	Ramp Running Slope	6	2.00	-0.13	-6.3%	0.5% to 8.3%					1417	1010+57.63	73.29	874.09
1323	1326	Landing/Turning Space	4	10.00	0.09	0.9%	0.1% to 2.0%					1418	1010+52.78	82.01	873.70
1324	1325	Crosswalk Cross Slope - Yield Condition	6	10.00	0.09	0.9%	0.0% to 2.0%					1419	1010+50.17	89.89	873.61
1325	1326	Ramp Running Slope	6	2.00	0.13	6.3%	0.5% to 8.3%					1420	1010+48.88	98.84	873.96
1326	1327	Sidewalk Running Slope	4	12.44	0.41	3.3%	0.5% to 5.0%					1421	1010+43.88	98.59	873.89
1401	1402	Sidewalk Running Slope	4	10.00	-0.24	-2.4%	0.5% to 5.0%					1422	1010+45.30	88.73	873.54
1401	1410	Sidewalk Cross Slope	4	10.00	-0.15	-1.5%	0.5% to 2.0%					1423	1010+40.44	87.56	873.46
1402	1403	Landing/Turning Space	4	10.00	0.15	1.5%	0.1% to 2.0%					1424	1010+34.73	85.67	873.08
1402	1409	Landing/Turning Space	4	10.00	-0.15	-1.5%	0.1% to 2.0%					1425	1010+37.88	76.18	873.18
1403	1404	Ramp Running Slope	6	10.00	0.53	5.3%	0.5% to 8.3%					1426	1010+43.59	78.07	873.55
1403	1406	Landing/Turning Space	4	10.00	-0.15	-1.5%	0.1% to 2.0%					1427	1010+49.43	67.56	873.94
1404	1405	Sidewalk Cross Slope	4	10.00	-0.15	-1.5%	0.5% to 2.0%					1501	1017+07.90	-42.50	876.50
1405	1406	Ramp Running Slope	6	10.26	-0.53	-5.2%	0.5% to 8.3%					1502	1017+10.11	-42.50	876.34
1406	1407	Ramp Running Slope	6	6.00	-0.38	-6.3%	0.5% to 8.3%					1503	1017+17.23	-42.50	876.79
1406	1409	Landing/Turning Space	4	10.00	-0.15	-1.5%	0.1% to 2.0%					1504	1017+22.24	-42.50	876.86
1407	1408	Crosswalk Cross Slope - Yield Condition	6	10.00	-0.15	-1.5%	0.0% to 2.0%					1505	1017+22.23	-37.50	876.79
1408	1409	Ramp Running Slope	6	6.00	0.38	6.3%	0.5% to 8.3%					1506	1017+24.23	-35.50	876.84
1409	1410	Sidewalk Running Slope	4	10.26	0.24	2.3%	0.5% to 5.0%					1507	1017+37.22	-35.50	877.03
1411	1412	Crosswalk Cross Slope - Yield Condition	6	12.02	-0.08	-0.7%	0.0% to 2.0%					1508	1017+37.22	-30.50	876.96
1411	1416	Landing/Turning Space	4	8.71	-0.07	-0.7%	0.1% to 2.0%					1509	1017+24.23	-30.50	876.77
1412	1413	Landing/Turning Space	4	6.59	-0.04	-0.7%	0.1% to 2.0%					1510	1017+17.23	-37.52	876.71
1413	1414	Landing/Turning Space	4	7.83	-0.05	-0.7%	0.1% to 2.0%					1511	1017+10.10	-37.50	876.27
1413	1416	Crosswalk Cross Slope - Yield Condition	6	12.31	0.06	0.5%	0.0% to 2.0%					1601	1016+74.60	-42.50	876.55
1414	1415	Crosswalk Cross Slope - Yield Condition	6	12.12	0.05	0.4%	0.0% to 2.0%					1602	1016+72.41	-42.50	876.39
1415	1416	Landing/Turning Space	4	8.89	0.07	0.7%	0.1% to 2.0%					1603	1016+65.24	-42.50	876.52
1417	1418	Sidewalk Running Slope	4	10.00	-0.39	-3.9%	0.5% to 5.0%					1604	1016+65.27	-57.50	877.72
1417	1427	Sidewalk Cross Slope	4	10.00	-0.15	-1.5%	0.5% to 2.0%					1605	1016+60.27	-57.52	877.80
1418	1419	Landing/Turning Space	4	8.32	-0.09	-1.1%	0.1% to 2.0%					1606	1016+60.24	-42.52	876.61
1418	1426	Landing/Turning Space	4	10.00	-0.15	-1.5%	0.1% to 2.0%					1607	1016+60.23	-37.52	876.52
1419	1420	Sidewalk Running Slope	4	9.05	0.35	3.9%	0.5% to 5.0%					1608	1016+58.22	-34.50	876.26
1419	1422	Landing/Turning Space	4	10.00	-0.07	-0.7%	0.1% to 2.0%					1609	1016+58.22	-34.50	876.22
1420	1421	Sidewalk Cross Slope	4	5.00	-0.07	-1.5%	0.5% to 2.0%					1610	1016+44.22	-34.50	876.88
1421	1422	Sidewalk Running Slope	4	10.00	-0.35	-3.5%	0.5% to 5.0%					1611	1016+44.22	-29.50	876.80
1422	1423	Landing/Turning Space	4	10.00	-0.07	-0.7%	0.1% to 2.0%					1612	1016+54.22	-29.50	876.25
1423	1424	Ramp Running Slope	6	6.00	-0.38	-6.3%	0.5% to 8.3%					1613	1016+54.22	-26.49	876.02
1423	1426	Landing/Turning Space	4	10.00	0.09	0.9%	0.1% to 2.0%					1614	1016+54.21	-25.24	875.93
1424	1425	Crosswalk Cross Slope - Yield Condition	6	10.00	0.09	0.9%	0.0% to 2.0%					1615	1016+59.22	-26.48	875.98
1425	1426	Ramp Running Slope	6	6.00	0.38	6.3%	0.5% to 8.3%					1616	1016+59.22	-29.57	876.17
1426	1427	Sidewalk Running Slope	4	12.04	0.39	3.2%	0.5% to 5.0%					1617	1016+65.23	-37.50	876.43
1501	1502	Ramp Running Slope	6	2.20	-0.16	-7.1%	0.5% to 8.3%					1618	1016+72.41	-37.50	876.30
1501	1511	Crosswalk Cross Slope - Yield Condition	6	5.47	-0.23	-4.2%	0.0% to 5.2%					1701	1016+72.95	39.00	875.73
1502	1503	Ramp Running Slope	6	7.12	0.45	6.3%	0.5% to 8.3%					1702	1016+69.71	39.00	875.87
1502	1511	Ramp Cross Slope	6	5.00	-0.07	-1.5%	0.1% to 2.0%					1703	1016+64.22	39.00	876.25
1503	1504	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					1704	1016+59.23	39.00	876.32
1503	1510	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					1705	1016+54.23	39.00	876.40
1504	1505	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					1706	1016+39.23	39.00	876.79
1505	1506	Sidewalk Running Slope	4	3.15	0.05	1.6%	0.5% to 5.0%					1707	1016+39.23	34.00	876.71
1505	1510	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					1708	1016+54.23	34.00	876.32

SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
(1) Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
(2) Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk (2)	Distance* FT	Δ Elevation FT	Slope %	Acceptable Constructed Range Pos. or Neg.	Staking Required on this Quadrant? (1)	Measured Slope %	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES Point	Station	Offset	Elevation
1506	1507	Sidewalk Running Slope	4	13.00	0.19	1.5%	0.5% to 5.0%					1709	1016+54.25	26.57	875.99
1506	1509	Sidewalk Cross Slope	4	5.00	-0.07	-1.4%	0.5% to 2.0%					1710	1016+54.25	25.28	875.93
1507	1508	Sidewalk Cross Slope	4	5.00	-0.08	-1.5%	0.5% to 2.0%					1711	1016+59.25	26.58	875.94
1508	1509	Sidewalk Running Slope	4	13.00	-0.19	-1.5%	0.5% to 5.0%					1712	1016+59.23	34.00	876.25
1509	1510	Sidewalk Running Slope	4	11.01	-0.06	-0.5%	0.5% to 5.0%					1713	1016+64.23	34.00	876.18
1510	1511	Ramp Running Slope	6	7.12	-0.45	-6.3%	0.5% to 8.3%					1714	1016+69.71	34.00	875.79
1601	1602	Ramp Running Slope	6	2.20	-0.16	-7.2%	0.5% to 8.3%					1801	1017+09.05	39.00	875.77
1601	1618	Crosswalk Cross Slope - Yield Condition	6	5.47	-0.25	-4.6%	0.0% to 5.6%					1802	1017+12.30	39.00	875.94
1602	1603	Ramp Running Slope	6	7.17	0.13	1.8%	0.5% to 8.3%					1803	1017+17.30	39.00	876.10
1602	1618	Ramp Cross Slope	6	5.00	-0.09	-1.8%	0.1% to 2.0%	Yes				1804	1017+22.30	39.00	876.18
1603	1604	Ramp Running Slope	6	15.00	1.20	8.0%	0.5% to 8.3%	Yes				1805	1017+31.50	39.00	876.87
1603	1606	Landing/Turning Space	4	5.00	0.09	1.8%	0.1% to 2.0%	Yes				1806	1017+31.50	34.00	876.80
1603	1617	Landing/Turning Space	4	5.00	-0.09	-1.8%	0.1% to 2.0%	Yes				1807	1017+22.30	34.00	876.26
1604	1605	Sidewalk Cross Slope	4	5.00	0.09	1.7%	0.5% to 2.0%	Yes				1808	1017+17.30	34.00	876.18
1605	1606	Ramp Running Slope	6	15.00	-1.19	-7.9%	0.5% to 8.3%	Yes				1809	1017+12.30	34.00	875.86
1606	1607	Landing/Turning Space	4	5.00	-0.09	-1.8%	0.1% to 2.0%	Yes				2101	1021+04.67	-41.51	872.60
1607	1608	Ramp Running Slope	6	3.62	-0.26	-7.2%	0.5% to 8.3%					2102	1021+07.14	-41.51	872.70
1607	1617	Landing/Turning Space	4	5.00	-0.09	-1.8%	0.1% to 2.0%	Yes				2103	1021+13.67	-41.49	872.96
1608	1609	Landing/Turning Space	4	4.00	-0.04	-1.1%	0.1% to 2.0%					2104	1021+18.67	-41.49	873.03
1608	1616	Landing/Turning Space	4	5.03	-0.09	-1.8%	0.1% to 2.0%	Yes				2105	1021+18.67	-36.50	872.96
1609	1610	Ramp Running Slope	6	10.00	0.66	6.6%	0.5% to 8.3%					2106	1021+19.67	-35.50	872.98
1609	1612	Landing/Turning Space	4	5.00	0.03	0.6%	0.1% to 2.0%					2107	1021+28.18	-35.50	873.12
1610	1611	Sidewalk Cross Slope	4	5.00	-0.07	-1.5%	0.5% to 2.0%					2108	1021+28.18	-30.50	873.05
1611	1612	Ramp Running Slope	6	10.00	-0.55	-5.5%	0.5% to 8.3%					2109	1021+19.67	-30.50	872.94
1612	1613	Ramp Running Slope	6	3.05	-0.23	-7.6%	0.5% to 8.3%	Yes				2110	1021+13.67	-36.50	872.88
1612	1616	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					2111	1021+07.14	-36.51	872.62
1613	1614	Ramp Running Slope	6	1.25	-0.08	-6.6%	0.5% to 8.3%					2201	1020+70.71	-41.55	872.76
1613	1615	Ramp Cross Slope	6	5.00	-0.04	-0.8%	0.1% to 2.0%					2202	1020+68.26	-41.55	872.89
1614	1615	Crosswalk Cross Slope - No Yield Condition	6	5.16	0.05	0.9%	0.0% to 5.0%					2203	1020+60.67	-41.56	873.37
1615	1616	Ramp Running Slope	6	3.05	0.19	6.4%	0.5% to 8.3%					2204	1020+60.69	-59.00	873.45
1616	1617	Sidewalk Running Slope	4	11.00	0.26	2.4%	0.5% to 5.0%					2205	1020+55.69	-59.01	873.53
1617	1618	Ramp Running Slope	6	7.17	-0.13	-1.8%	0.5% to 8.3%					2206	1020+55.67	-41.50	873.44
1701	1702	Ramp Running Slope	6	3.24	0.13	4.2%	0.5% to 8.3%					2207	1020+55.67	-36.50	873.37
1701	1714	Crosswalk Cross Slope - Yield Condition	6	5.97	0.06	1.0%	0.0% to 2.0%					2208	1020+54.67	-35.50	873.31
1702	1703	Ramp Running Slope	6	5.50	0.38	7.0%	0.5% to 8.3%					2209	1020+49.67	-35.50	873.39
1702	1714	Ramp Cross Slope	6	5.00	-0.07	-1.5%	0.1% to 2.0%					2210	1020+29.92	-35.50	873.83
1703	1704	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					2211	1020+29.92	-30.50	873.75
1703	1713	Landing/Turning Space	4	5.00	-0.07	-1.4%	0.1% to 2.0%					2212	1020+49.67	-30.50	873.31
1704	1705	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					2213	1020+49.67	-26.15	873.06
1704	1712	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					2214	1020+49.67	-25.12	873.03
1705	1706	Sidewalk Running Slope	4	15.00	0.39	2.6%	0.5% to 5.0%					2215	1020+54.67	-26.15	872.99
1705	1708	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					2216	1020+54.67	-30.50	873.24
1706	1707	Sidewalk Cross Slope	4	5.00	-0.08	-1.5%	0.5% to 2.0%					2217	1020+60.67	-36.56	873.29
1707	1708	Sidewalk Running Slope	4	15.00	-0.39	-2.6%	0.5% to 5.0%					2218	1020+68.26	-36.55	872.82
1708	1709	Ramp Running Slope	6	7.42	-0.33	-4.5%	0.5% to 8.3%					2301	1020+69.55	39.00	872.92
1708	1712	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					2302	1020+66.31	39.00	872.99
1709	1710	Ramp Running Slope	6	1.29	-0.06	-4.3%	0.5% to 8.3%					2303	1020+60.59	39.00	873.34
1709	1711	Ramp Cross Slope	6	5.00	-0.05	-1.0%	0.1% to 2.0%					2304	1020+60.67	57.85	874.04
1710	1711	Crosswalk Cross Slope - No Yield Condition	6	5.17	0.01	0.1%	0.0% to 5.0%					2305	1020+55.67	57.87	874.12
1711	1712	Ramp Running Slope	6	7.42	0.31	4.2%	0.5% to 8.3%					2306	1020+55.59	39.00	873.42
1712	1713	Landing/Turning Space	4	5.00	-0.07	-1.4%	0.1% to 2.0%					2307	1020+50.59	39.00	873.49
1713	1714	Ramp Running Slope	6	5.50	-0.39	-7.1%	0.5% to 8.3%					2308	1020+35.59	39.00	874.08
1801	1802	Ramp Running Slope	6	5.00	0.17	3.4%	0.5% to 8.3%					2309	1020+35.59	34.00	874.01
1801	1809	Crosswalk Cross Slope - Yield Condition	6	5.97	0.09	1.6%	0.0% to 2.0%					2310	1020+50.59	34.00	873.42
1802	1803	Ramp Running Slope	6	5.00	0.16	3.3%	0.5% to 8.3%					2311	1020+50.59	26.48	873.06
1802	1809	Ramp Cross Slope	6	5.00	-0.07	-1.5%	0.1% to 2.0%					2312	1020+50.59	25.25	873.02
1803	1804	Landing/Turning Space	4	5.00	0.08	1.6%	0.1% to 2.0%	Yes				2313	1020+55.59	26.49	872.98
1803	1808	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					2314	1020+55.59	34.00	873.34
1804	1805	Ramp Running Slope	6	9.21	0.69	7.5%	0.5% to 8.3%	Yes				2315	1020+60.59	34.00	873.27
1804	1807	Landing/Turning Space	4	5.00	0.08	1.6%	0.1% to 2.0%	Yes				2316	1020+66.31	34.00	872.91
1805	1806	Sidewalk Cross Slope	4	5.00	-0.07	-1.5%	0.5% to 2.0%					2401	1021+05.65	39.00	872.66
1806	1807	Ramp Running Slope	6	9.21	-0.54	-5.8%	0.5% to 8.3%					2402	1021+08.89	39.00	872.68
1807	1808	Landing/Turning Space	4	5.00	-0.08	-1.7%	0.1% to 2.0%	Yes				2403	1021+14.22	39.00	873.02
1808	1809	Ramp Running Slope	6	5.00	-0.31	-6.3%	0.5% to 8.3%					2404	1021+14.22	57.21	873.75
2101	2102	Ramp Running Slope	6	2.48	0.09	3.8%	0.5% to 8.3%					2405	1021+19.22	57.21	873.83
2101	2111	Crosswalk Cross Slope - Yield Condition	6	5.60	0.02	0.3%	0.0% to 2.0%					2406	1021+19.22	39.00	873.08
2102	2103	Ramp Running Slope	6	6.53	0.26	4.0%	0.5% to 8.3%					2407	1021+19.32	35.00	873.02
2102	2111	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%					2408	1021+20.03	33.27	873.14
2103	2104	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					2409	1021+28.10	31.00	873.08
2103	2110	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					2410	1021+28.10	25.00	872.99
2104	2105	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					2411	1021+14.78	28.85	873.06
2105	2106	Sidewalk Running Slope	4	1.57	0.02	1.4%	0.5% to 5.0%					2412	1021+15.84	30.54	873.08

SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
(1) Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
(2) Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk (2)	Distance* FT	Δ Elevation FT	Slope %	Acceptable Constructed Range Pos. or Neg.	Staking Required on this Quadrant? (1)	Measured Slope %	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES Point	Station	Offset	Elevation
2105	2110	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					2413	1021+14.42	34.00	872.95
2106	2107	Sidewalk Running Slope	4	8.52	0.14	1.7%	0.5% to 5.0%					2414	1021+08.89	34.00	872.60
2106	2109	Sidewalk Cross Slope	4	5.00	-0.04	-0.8%	0.5% to 2.0%					2501	1024+37.34	-35.50	871.00
2107	2108	Sidewalk Cross Slope	4	5.00	-0.07	-1.5%	0.5% to 2.0%					2502	1024+42.06	-35.50	871.05
2108	2109	Sidewalk Running Slope	4	8.52	-0.11	-1.2%	0.5% to 5.0%					2503	1024+44.17	-35.50	871.13
2109	2110	Sidewalk Running Slope	4	9.43	-0.06	-0.6%	0.5% to 5.0%					2504	1024+51.09	-35.50	871.24
2110	2111	Ramp Running Slope	6	6.53	-0.26	-4.0%	0.5% to 8.3%					2505	1024+56.09	-35.50	871.16
2201	2202	Ramp Running Slope	6	2.49	0.13	5.2%	0.5% to 8.3%					2506	1024+67.87	-35.50	871.58
2201	2218	Crosswalk Cross Slope - Yield Condition	6	5.58	0.05	1.0%	0.0% to 2.0%					2507	1024+67.87	-30.50	871.51
2202	2203	Ramp Running Slope	6	7.60	0.47	6.2%	0.5% to 8.3%					2508	1024+56.09	-30.50	871.09
2202	2218	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%					2509	1024+56.09	-25.89	870.90
2203	2204	Sidewalk Running Slope	4	17.50	0.08	0.5%	0.5% to 5.0%					2510	1024+56.09	-25.05	870.85
2203	2206	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					2511	1024+51.09	-25.89	870.87
2203	2217	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					2512	1024+51.09	-30.50	871.16
2204	2205	Sidewalk Cross Slope	4	5.00	0.08	1.6%	0.5% to 2.0%	Yes				2513	1024+44.15	-30.50	871.06
2205	2206	Sidewalk Running Slope	4	17.50	-0.09	-0.5%	0.5% to 5.0%					2514	1024+42.06	-30.50	870.97
2206	2207	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					2601	1023+97.07	-35.50	871.17
2207	2208	Sidewalk Running Slope	4	1.57	-0.05	-3.4%	0.5% to 5.0%					2602	1023+92.35	-35.50	871.27
2207	2217	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					2603	1023+90.17	-35.50	871.40
2208	2209	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					2604	1023+90.30	-49.94	871.80
2208	2216	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					2605	1023+85.32	-50.00	871.88
2209	2210	Sidewalk Running Slope	4	19.74	0.44	2.2%	0.5% to 5.0%					2606	1023+85.17	-35.50	871.48
2209	2212	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					2607	1023+76.71	-35.50	872.04
2210	2211	Sidewalk Cross Slope	4	5.00	-0.08	-1.5%	0.5% to 2.0%					2608	1023+76.71	-30.50	871.96
2211	2212	Sidewalk Running Slope	4	19.74	-0.44	-2.2%	0.5% to 5.0%					2609	1023+85.17	-30.50	871.40
2212	2213	Ramp Running Slope	6	4.35	-0.25	-5.8%	0.5% to 8.3%					2610	1023+90.15	-30.50	871.33
2212	2216	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					2611	1023+92.35	-30.50	871.19
2213	2214	Ramp Running Slope	6	1.02	-0.03	-2.9%	0.5% to 8.3%					2701	1024+00.43	42.50	871.34
2213	2215	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%					2702	1023+98.23	42.50	871.32
2214	2215	Crosswalk Cross Slope - No Yield Condition	6	5.11	-0.04	-0.9%	0.0% to 5.0%					2703	1023+90.09	42.50	871.83
2215	2216	Ramp Running Slope	6	4.35	0.25	5.8%	0.5% to 8.3%					2704	1023+90.08	57.50	872.45
2216	2217	Sidewalk Running Slope	4	9.49	0.05	0.6%	0.5% to 5.0%					2705	1023+85.08	57.50	872.53
2217	2218	Ramp Running Slope	6	7.60	-0.47	-6.2%	0.5% to 8.3%					2706	1023+85.09	42.50	871.91
2301	2302	Ramp Running Slope	6	3.24	0.07	2.0%	0.5% to 8.3%					2707	1023+85.09	37.50	871.83
2301	2316	Crosswalk Cross Slope - Yield Condition	6	5.97	-0.01	-0.2%	0.0% to 2.0%					2708	1023+84.15	33.08	871.81
2302	2303	Ramp Running Slope	6	5.72	0.36	6.3%	0.5% to 8.3%					2709	1023+76.58	31.00	871.83
2302	2316	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%					2710	1023+76.58	25.00	871.74
2303	2304	Sidewalk Running Slope	4	18.85	0.70	3.7%	0.5% to 5.0%					2711	1023+89.21	28.43	871.70
2303	2306	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					2712	1023+88.20	30.15	871.73
2303	2315	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					2713	1023+90.09	37.50	871.76
2304	2305	Sidewalk Cross Slope	4	5.00	0.08	1.6%	0.5% to 2.0%	Yes				2714	1023+98.23	37.50	871.25
2305	2306	Sidewalk Running Slope	4	18.85	-0.70	-3.7%	0.5% to 5.0%					2801	1024+33.74	42.50	871.18
2306	2307	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					2802	1024+35.93	42.50	871.15
2306	2314	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					2803	1024+44.09	42.50	871.31
2307	2308	Sidewalk Running Slope	4	15.00	0.59	3.9%	0.5% to 5.0%					2804	1024+44.08	57.50	872.31
2307	2310	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					2805	1024+49.08	57.50	872.39
2308	2309	Sidewalk Cross Slope	4	5.00	-0.07	-1.5%	0.5% to 2.0%					2806	1024+49.09	42.50	871.39
2309	2310	Sidewalk Running Slope	4	15.00	-0.59	-3.9%	0.5% to 5.0%					2807	1024+49.09	37.50	871.31
2310	2311	Ramp Running Slope	6	7.52	-0.36	-4.8%	0.5% to 8.3%					2808	1024+51.09	35.50	871.24
2310	2314	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					2809	1024+56.09	35.50	871.31
2311	2312	Ramp Running Slope	6	1.24	-0.03	-2.7%	0.5% to 8.3%					2810	1024+66.09	35.50	871.59
2311	2313	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%					2811	1024+66.09	30.50	871.52
2312	2313	Crosswalk Cross Slope - No Yield Condition	6	5.16	-0.04	-0.8%	0.0% to 5.0%					2812	1024+56.09	30.50	871.24
2313	2314	Ramp Running Slope	6	7.52	0.36	4.8%	0.5% to 8.3%					2813	1024+56.09	25.86	870.90
2314	2315	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					2814	1024+56.09	25.05	870.85
2315	2316	Ramp Running Slope	6	5.72	-0.36	-6.3%	0.5% to 8.3%					2815	1024+51.09	25.86	870.87
2401	2402	Ramp Running Slope	6	3.24	0.02	0.6%	0.5% to 8.3%					2816	1024+51.09	30.50	871.16
2401	2414	Crosswalk Cross Slope - Yield Condition	6	5.97	-0.06	-0.9%	0.0% to 2.0%					2817	1024+44.09	37.50	871.24
2402	2403	Ramp Running Slope	6	5.33	0.35	6.5%	0.5% to 8.3%					2818	1024+35.93	37.50	871.08
2402	2414	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%					3101	1033+03.67	-75.85	863.99
2403	2404	Sidewalk Running Slope	4	18.21	0.73	4.0%	0.5% to 5.0%					3102	1033+02.67	-88.15	864.11
2403	2406	Landing/Turning Space	4	5.00	0.06	1.2%	0.1% to 2.0%					3103	1032+97.76	-76.77	864.11
2403	2413	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					3104	1032+97.95	-88.89	864.19
2404	2405	Sidewalk Cross Slope	4	5.00	0.08	1.5%	0.5% to 2.0%					3105	1033+09.46	-77.75	863.92
2405	2406	Sidewalk Running Slope	4	18.21	-0.74	-4.1%	0.5% to 5.0%	Yes				3106	1033+05.98	-89.23	864.18
2406	2407	Landing/Turning Space	4	5.00	-0.06	-1.2%	0.1% to 2.0%					3107	1033+21.01	-93.09	863.80
2407	2408	Ramp Running Slope	6	1.89	0.12	6.3%	0.5% to 8.3%					3108	1033+26.71	-94.96	864.19
2407	2413	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					3109	1033+23.88	-104.54	864.50
2408	2409	Sidewalk Running Slope	4	8.85	-0.06	-0.7%	0.5% to 5.0%					3110	1033+33.49	-107.30	864.65
2408	2412	Sidewalk Cross Slope	4	5.00	-0.06	-1.2%	0.5% to 2.0%					3111	1033+36.28	-97.88	864.34
2409	2410	Sidewalk Cross Slope	4	6.00	-0.09	-1.5%	0.5% to 2.0%					3112	1033+39.25	-88.67	864.24
2410	2411	Sidewalk Running Slope	4	14.06	0.07	0.5%	0.5% to 5.0%					3113	1033+42.53	-79.59	864.33

SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
(1) Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
(2) Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk (2)	Distance* FT	Δ Elevation FT	Slope %	Acceptable Constructed Range Pos. or Neg.	Staking Required on this Quadrant? (1)	Measured Slope %	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES Point	Station	Offset	Elevation
2411	2412	Sidewalk Cross Slope	4	2.00	0.02	1.0%	0.5% to 2.0%					3114	1033+33.18	-76.03	864.18
2412	2413	Sidewalk Running Slope	4	3.76	-0.13	-3.6%	0.5% to 5.0%					3115	1033+29.79	-85.44	864.09
2413	2414	Ramp Running Slope	6	5.33	-0.35	-6.5%	0.5% to 8.3%					3116	1033+24.08	-83.58	863.70
2501	2502	Ramp Running Slope	6	4.72	0.05	1.0%	0.5% to 8.3%					3117	1033+76.48	-18.23	863.46
2501	2514	Crosswalk Cross Slope - Yield Condition	6	6.90	-0.03	-0.4%	0.0% to 2.0%					3118	1033+77.78	-24.11	863.83
2502	2503	Ramp Running Slope	6	2.09	0.09	4.1%	0.5% to 8.3%					3119	1033+68.53	-27.88	864.12
2502	2514	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%					3120	1033+73.08	-36.79	864.27
2503	2504	Landing/Turning Space	4	6.94	0.10	1.5%	0.1% to 2.0%					3121	1033+80.76	-33.65	863.98
2503	2513	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					3122	1033+88.87	-31.86	863.90
2504	2505	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					3123	1033+97.40	-31.47	864.02
2504	2512	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					3124	1033+97.82	-21.48	863.87
2505	2506	Sidewalk Running Slope	4	11.78	0.42	3.6%	0.5% to 5.0%					3125	1033+87.54	-21.95	863.75
2505	2508	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					3126	1033+86.24	-16.07	863.37
2506	2507	Sidewalk Cross Slope	4	5.00	-0.08	-1.5%	0.5% to 2.0%					3201	1032+15.86	-14.91	864.95
2507	2508	Sidewalk Running Slope	4	11.78	-0.42	-3.6%	0.5% to 5.0%					3202	1032+28.17	-15.21	864.82
2508	2509	Ramp Running Slope	6	4.61	-0.19	-4.1%	0.5% to 8.3%					3203	1032+14.35	-7.56	865.01
2508	2512	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					3204	1032+26.44	-6.78	864.89
2509	2510	Ramp Running Slope	6	0.84	-0.05	-6.4%	0.5% to 8.3%					3205	1032+14.27	-21.12	864.90
2509	2511	Ramp Cross Slope	6	5.00	-0.02	-0.5%	0.1% to 2.0%					3206	1032+26.12	-23.21	864.75
2510	2511	Crosswalk Cross Slope - No Yield Condition	6	5.08	0.03	0.6%	0.0% to 5.0%					3207	1032+11.20	-37.13	864.68
2511	2512	Ramp Running Slope	6	4.61	0.29	6.2%	0.5% to 8.3%					3208	1032+09.72	-42.94	865.07
2512	2513	Landing/Turning Space	4	6.94	-0.10	-1.5%	0.1% to 2.0%					3209	1031+99.97	-40.71	865.36
2513	2514	Ramp Running Slope	6	2.09	-0.09	-4.1%	0.5% to 8.3%					3210	1031+97.86	-50.48	865.51
2601	2602	Ramp Running Slope	6	4.72	0.10	2.0%	0.5% to 8.3%					3211	1032+07.36	-52.66	865.22
2601	2611	Crosswalk Cross Slope - Yield Condition	6	6.90	0.02	0.3%	0.0% to 2.0%					3212	1032+16.80	-55.08	865.12
2602	2603	Ramp Running Slope	6	2.18	0.14	6.3%	0.5% to 8.3%					3213	1032+26.18	-57.73	865.20
2602	2611	Ramp Cross Slope	6	5.00	-0.07	-1.5%	0.1% to 2.0%					3214	1032+29.02	-48.15	865.05
2603	2604	Ramp Running Slope	6	5.00	0.40	8.0%	0.5% to 8.3%	Yes				3215	1032+19.40	-45.42	864.97
2603	2606	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					3216	1032+20.89	-39.61	864.58
2603	2610	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					3217	1032+70.69	-72.08	864.58
2604	2605	Sidewalk Cross Slope	4	5.00	0.07	1.5%	0.5% to 2.0%					3218	1032+61.82	-76.69	864.73
2605	2606	Ramp Running Slope	6	5.00	-0.40	-8.0%	0.5% to 8.3%	Yes				3219	1032+64.34	-83.84	864.55
2606	2607	Ramp Running Slope	6	8.46	0.56	6.6%	0.5% to 8.3%					3220	1032+65.62	-92.05	864.62
2606	2609	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					3221	1032+65.20	-102.65	864.91
2607	2608	Sidewalk Cross Slope	4	5.00	-0.07	-1.5%	0.5% to 2.0%					3222	1032+75.09	-104.12	864.76
2608	2609	Ramp Running Slope	6	8.46	-0.56	-6.6%	0.5% to 8.3%					3223	1032+75.59	-91.35	864.47
2609	2610	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					3224	1032+81.54	-90.43	864.07
2610	2611	Ramp Running Slope	6	2.18	-0.14	-6.3%	0.5% to 8.3%					3225	1032+74.06	-81.47	864.40
2701	2702	Ramp Running Slope	6	2.20	-0.02	-1.0%	0.5% to 8.3%					3226	1032+80.00	-80.55	864.01
2701	2714	Crosswalk Cross Slope - Yield Condition	6	5.47	-0.10	-1.8%	0.0% to 2.0%					3301	1032+12.03	8.74	865.19
2702	2703	Ramp Running Slope	6	8.15	0.51	6.2%	0.5% to 8.3%					3302	1032+10.82	14.64	865.58
2702	2714	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%					3303	1031+98.19	14.51	865.88
2703	2704	Sidewalk Running Slope	4	15.00	0.62	4.1%	0.5% to 5.0%	Yes				3304	1031+99.16	24.46	866.03
2703	2706	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					3305	1032+09.65	24.57	865.73
2703	2713	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					3306	1032+17.78	26.24	865.65
2704	2705	Sidewalk Cross Slope	4	5.00	0.07	1.5%	0.5% to 2.0%					3307	1032+25.51	29.25	865.75
2705	2706	Sidewalk Running Slope	4	15.00	-0.62	-4.1%	0.5% to 5.0%	Yes				3308	1032+29.92	20.27	865.60
2706	2707	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					3309	1032+20.62	16.64	865.50
2707	2708	Sidewalk Running Slope	4	4.62	-0.03	-0.6%	0.5% to 5.0%					3310	1032+21.83	10.75	865.11
2707	2713	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					3311	1032+84.64	68.42	864.98
2708	2709	Sidewalk Running Slope	4	8.24	0.03	0.3%	0.5% to 5.0%					3312	1032+87.31	80.14	865.10
2708	2712	Sidewalk Cross Slope	4	5.00	-0.07	-1.5%	0.5% to 2.0%					3313	1032+90.42	66.76	864.90
2709	2710	Sidewalk Cross Slope	4	5.00	-0.09	-1.8%	0.5% to 2.0%	Yes				3314	1032+90.87	79.11	865.07
2710	2711	Sidewalk Running Slope	4	13.24	-0.04	-0.3%	0.5% to 5.0%					3315	1032+96.42	68.02	864.83
2711	2712	Sidewalk Cross Slope	4	2.00	0.03	1.5%	0.5% to 2.0%					3316	1032+95.59	80.11	865.03
2712	2713	Sidewalk Running Slope	4	7.75	0.03	0.3%	0.5% to 5.0%					3317	1032+70.88	83.82	865.23
2713	2714	Ramp Running Slope	6	8.15	-0.51	-6.2%	0.5% to 8.3%					3318	1032+65.12	85.48	865.62
2801	2802	Ramp Running Slope	6	2.20	-0.03	-1.2%	0.5% to 8.3%					3320	1032+67.65	95.92	865.94
2801	2818	Crosswalk Cross Slope - Yield Condition	6	5.47	-0.10	-1.8%	0.0% to 2.0%					3321	1032+57.88	97.96	866.09
2802	2803	Ramp Running Slope	6	8.16	0.16	2.0%	0.5% to 8.3%					3322	1032+55.51	88.25	865.77
2802	2818	Ramp Cross Slope	6	5.00	-0.07	-1.5%	0.1% to 2.0%					3323	1032+52.75	78.77	865.70
2803	2804	Ramp Running Slope	6	15.00	1.00	6.7%	0.5% to 8.3%					3324	1032+49.82	69.42	865.82
2803	2806	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					3325	1032+59.34	66.34	865.67
2803	2817	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					3326	1032+62.32	75.88	865.55
2804	2805	Sidewalk Cross Slope	4	5.00	0.08	1.5%	0.5% to 2.0%					3327	1032+68.09	74.22	865.16
2805	2806	Ramp Running Slope	6	15.00	-1.00	-6.7%	0.5% to 8.3%					3401	1033+11.89	82.52	865.00
2806	2807	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					3402	1033+17.78	83.76	865.32
2807	2808	Sidewalk Running Slope	4	3.14	-0.07	-2.4%	0.5% to 5.0%					3404	1033+17.34	91.45	865.76
2807	2817	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					3405	1033+27.34	91.37	865.91
2808	2809	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					3406	1033+27.70	84.98	865.47
2808	2816	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					3407	1033+29.41	76.86	865.34
2809	2810	Sidewalk Running Slope	4	10.00	0.28	2.8%	0.5% to 5.0%					3408	1033+31.65	70.87	865.37

SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
(1) Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
(2) Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk (2)	Distance* FT	Δ Elevation FT	Slope %	Acceptable Constructed Range Pos. or Neg.	Staking Required on this Quadrant? (1)	Measured Slope %	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES Point	Station	Offset	Elevation
2809	2812	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					3409	1033+22.54	66.76	865.22
2810	2811	Sidewalk Cross Slope	4	5.00	-0.08	-1.5%	0.5% to 2.0%					3410	1033+19.84	73.97	865.19
2811	2812	Sidewalk Running Slope	4	10.00	-0.28	-2.8%	0.5% to 5.0%					3411	1033+13.95	72.73	864.81
2812	2813	Ramp Running Slope	6	4.64	-0.34	-7.3%	0.5% to 8.3%					3412	1033+71.56	17.15	863.80
2812	2816	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					3413	1033+83.48	15.50	863.71
2813	2814	Ramp Running Slope	6	0.81	-0.05	-6.7%	0.5% to 8.3%					3414	1033+69.61	8.16	863.72
2813	2815	Ramp Cross Slope	6	5.00	-0.02	-0.5%	0.1% to 2.0%					3415	1033+81.90	8.19	863.62
2814	2815	Crosswalk Cross Slope - No Yield Condition	6	5.07	0.03	0.6%	0.0% to 5.0%					3416	1033+71.71	-1.30	863.63
2815	2816	Ramp Running Slope	6	4.64	0.29	6.2%	0.5% to 8.3%					3417	1033+83.74	-0.12	863.56
2816	2817	Sidewalk Running Slope	4	11.00	0.08	0.7%	0.5% to 5.0%					3418	1033+86.19	32.71	863.60
2817	2818	Ramp Running Slope	6	8.16	-0.16	-2.0%	0.5% to 8.3%					3419	1033+87.46	38.58	863.98
3101	3102	Crosswalk Cross Slope - Yield Condition	6	12.34	0.12	0.9%	0.0% to 2.0%					3420	1033+94.30	37.10	864.10
3101	3103	Landing/Turning Space	4	5.97	0.11	1.9%	0.1% to 2.0%	Yes				3421	1033+96.42	46.87	864.25
3101	3105	Landing/Turning Space	4	6.10	-0.07	-1.2%	0.1% to 2.0%					3422	1033+89.58	48.35	864.13
3102	3104	Landing/Turning Space	4	4.78	0.08	1.7%	0.1% to 2.0%	Yes				3423	1033+79.81	50.47	864.23
3102	3106	Landing/Turning Space	4	3.48	0.07	2.0%	0.1% to 2.0%	Yes				3424	1033+70.03	52.59	864.53
3103	3104	Crosswalk Cross Slope - Yield Condition	6	12.12	0.08	0.7%	0.0% to 2.0%					3425	1033+67.92	42.81	864.38
3105	3106	Crosswalk Cross Slope - Yield Condition	6	12.00	0.26	2.1%	0.0% to 3.1%					3426	1033+77.69	40.70	864.08
3107	3108	Ramp Running Slope	6	6.00	0.39	6.5%	0.5% to 8.3%					3427	1033+76.42	34.83	863.70
3107	3116	Crosswalk Cross Slope - Yield Condition	6	10.00	-0.10	-1.0%	0.0% to 2.0%					3701	1036+58.34	-38.44	864.39
3108	3109	Sidewalk Running Slope	4	10.00	0.31	3.1%	0.5% to 5.0%					3702	1036+61.87	-38.46	864.46
3108	3111	Landing/Turning Space	4	10.00	0.15	1.5%	0.1% to 2.0%					3703	1036+67.00	-38.48	864.77
3108	3115	Landing/Turning Space	4	10.00	-0.10	-1.0%	0.1% to 2.0%					3704	1036+72.13	-38.49	864.84
3109	3110	Sidewalk Cross Slope	4	10.00	0.15	1.5%	0.5% to 2.0%					3705	1036+81.27	-38.46	865.35
3110	3111	Sidewalk Running Slope	4	9.83	-0.31	-3.1%	0.5% to 5.0%					3706	1036+81.24	-33.46	865.28
3111	3112	Landing/Turning Space	4	9.67	-0.10	-1.0%	0.1% to 2.0%					3707	1036+72.13	-33.49	864.77
3112	3113	Sidewalk Running Slope	4	9.66	0.09	0.9%	0.5% to 5.0%					3708	1036+67.01	-33.48	864.69
3112	3115	Landing/Turning Space	4	10.00	-0.15	-1.5%	0.1% to 2.0%					3709	1036+61.90	-33.46	864.38
3113	3114	Sidewalk Cross Slope	4	10.00	-0.15	-1.5%	0.5% to 2.0%					3801	1036+22.46	-39.00	864.20
3114	3115	Sidewalk Running Slope	4	10.00	-0.09	-0.9%	0.5% to 5.0%					3802	1036+19.22	-39.00	864.22
3115	3116	Ramp Running Slope	6	6.00	-0.39	-6.5%	0.5% to 8.3%					3803	1036+15.07	-39.00	864.48
3117	3118	Ramp Running Slope	6	6.00	0.38	6.3%	0.5% to 8.3%					3804	1036+13.59	-50.66	865.15
3117	3126	Crosswalk Cross Slope - Yield Condition	6	10.00	-0.09	-0.9%	0.0% to 2.0%					3805	1036+08.64	-49.93	865.20
3118	3119	Sidewalk Running Slope	4	10.00	0.29	2.9%	0.5% to 5.0%					3806	1036+10.03	-39.00	864.56
3118	3121	Landing/Turning Space	4	10.00	0.15	1.5%	0.1% to 2.0%					3807	1036+00.02	-39.00	864.89
3118	3125	Landing/Turning Space	4	10.00	-0.09	-0.9%	0.1% to 2.0%					3808	1036+00.02	-34.00	864.81
3119	3120	Sidewalk Cross Slope	4	10.00	0.15	1.5%	0.5% to 2.0%					3809	1036+10.03	-34.00	864.48
3120	3121	Sidewalk Running Slope	4	8.31	-0.29	-3.5%	0.5% to 5.0%					3810	1036+15.07	-34.00	864.40
3121	3122	Landing/Turning Space	4	8.32	-0.09	-1.0%	0.1% to 2.0%					3811	1036+19.22	-34.00	864.14
3122	3123	Sidewalk Running Slope	4	8.31	0.13	1.5%	0.5% to 5.0%					4101	1039+93.11	-39.00	866.98
3122	3125	Landing/Turning Space	4	10.00	-0.15	-1.5%	0.1% to 2.0%					4102	1039+96.35	-39.00	867.08
3123	3124	Sidewalk Cross Slope	4	10.00	-0.15	-1.5%	0.5% to 2.0%					4103	1040+05.06	-39.00	867.59
3124	3125	Sidewalk Running Slope	4	10.00	-0.13	-1.3%	0.5% to 5.0%					4104	1040+05.06	-54.00	867.74
3125	3126	Ramp Running Slope	6	6.00	-0.38	-6.3%	0.5% to 8.3%					4105	1040+10.06	-54.00	867.82
3201	3202	Crosswalk Cross Slope - Yield Condition	6	12.31	-0.12	-1.0%	0.0% to 2.0%					4106	1040+10.06	-39.00	867.67
3201	3203	Landing/Turning Space	4	7.51	0.07	0.9%	0.1% to 2.0%					4107	1040+25.06	-39.00	868.31
3201	3205	Landing/Turning Space	4	6.40	-0.05	-0.8%	0.1% to 2.0%					4108	1040+25.06	-34.00	868.24
3202	3204	Landing/Turning Space	4	8.61	0.06	0.7%	0.1% to 2.0%					4109	1040+10.06	-34.00	867.59
3202	3206	Landing/Turning Space	4	8.26	-0.07	-0.9%	0.1% to 2.0%					4110	1040+10.05	-27.31	867.17
3203	3204	Crosswalk Cross Slope - Yield Condition	6	12.12	-0.13	-1.1%	0.0% to 2.0%					4111	1040+10.05	-25.61	867.16
3205	3206	Crosswalk Cross Slope - Yield Condition	6	12.00	-0.14	-1.2%	0.0% to 2.0%					4112	1040+05.05	-27.31	867.10
3207	3208	Ramp Running Slope	6	6.00	0.39	6.5%	0.5% to 8.3%					4113	1040+05.06	-34.00	867.52
3207	3216	Crosswalk Cross Slope - Yield Condition	6	10.00	-0.10	-1.0%	0.0% to 2.0%					4114	1039+96.35	-34.00	867.00
3208	3209	Sidewalk Running Slope	4	10.00	0.29	2.9%	0.5% to 5.0%					4201	1039+63.01	-39.00	866.63
3208	3211	Landing/Turning Space	4	10.00	0.15	1.5%	0.1% to 2.0%					4202	1039+59.77	-39.00	866.61
3208	3215	Landing/Turning Space	4	10.00	-0.10	-1.0%	0.1% to 2.0%					4203	1039+52.06	-39.00	866.83
3209	3210	Sidewalk Cross Slope	4	10.00	0.15	1.5%	0.5% to 2.0%					4204	1039+52.06	-50.00	867.30
3210	3211	Sidewalk Running Slope	4	9.75	-0.29	-3.0%	0.5% to 5.0%					4205	1039+47.06	-50.00	867.38
3211	3212	Landing/Turning Space	4	9.75	-0.10	-1.0%	0.1% to 2.0%					4206	1039+47.06	-39.00	866.91
3212	3213	Sidewalk Running Slope	4	9.75	0.09	0.9%	0.5% to 5.0%					4207	1039+40.56	-39.00	867.17
3212	3215	Landing/Turning Space	4	10.00	-0.15	-1.5%	0.1% to 2.0%					4208	1039+40.56	-34.00	867.09
3213	3214	Sidewalk Cross Slope	4	10.00	-0.15	-1.5%	0.5% to 2.0%					4209	1039+47.06	-34.00	866.83
3214	3215	Sidewalk Running Slope	4	10.00	-0.09	-0.9%	0.5% to 5.0%					4210	1039+47.05	-27.80	866.45
3215	3216	Ramp Running Slope	6	6.00	-0.39	-6.5%	0.5% to 8.3%					4211	1039+47.05	-25.86	866.32
3217	3218	Sidewalk Cross Slope	4	8.32	0.15	1.8%	0.5% to 2.0%	Yes				4212	1039+52.05	-27.80	866.40
3217	3225	Sidewalk Running Slope	4	10.00	-0.18	-1.8%	0.5% to 5.0%					4213	1039+52.06	-34.00	866.78
3218	3219	Sidewalk Running Slope	4	10.00	-0.18	-1.8%	0.5% to 5.0%					4214	1039+59.77	-34.00	866.54
3219	3220	Landing/Turning Space	4	8.32	0.07	0.8%	0.1% to 2.0%					4301	1039+59.91	39.00	866.67
3219	3225	Landing/Turning Space	4	10.00	-0.15	-1.5%	0.1% to 2.0%					4302	1039+56.67	39.00	866.65
3220	3221	Sidewalk Running Slope	4	10.64	0.29	2.7%	0.5% to 5.0%					4303	1039+51.04	39.00	866.81
3220	3223	Landing/Turning Space	4	10.00	-0.15	-1.5%	0.1% to 2.0%					4304	1039+46.04	39.00	866.89
3221	3222	Sidewalk Cross Slope	4	10.00	-0.15	-1.5%	0.5% to 2.0%					4305	1039+37.46	39.00	867.13

SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
(1) Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
(2) Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk (2)	Distance* FT	Δ Elevation FT	Slope %	Acceptable Constructed Range Pos. or Neg.	Staking Required on this Quadrant? (1)	Measured Slope %	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES Point	Station	Offset	Elevation
3222	3223	Sidewalk Running Slope	4	12.81	-0.29	-2.3%	0.5% to 5.0%					4306	1039+37.46	34.00	867.06
3223	3224	Ramp Running Slope	6	6.00	-0.40	-6.7%	0.5% to 8.3%					4307	1039+46.04	34.00	866.81
3223	3225	Landing/Turning Space	4	10.00	-0.07	-0.7%	0.1% to 2.0%					4308	1039+46.07	29.00	866.50
3224	3226	Crosswalk Cross Slope - Yield Condition	6	10.00	-0.06	-0.6%	0.0% to 2.0%					4309	1039+46.08	26.54	866.33
3225	3226	Ramp Running Slope	6	6.00	-0.39	-6.5%	0.5% to 8.3%					4310	1039+51.07	29.03	866.43
3301	3302	Ramp Running Slope	6	6.00	0.39	6.5%	0.5% to 8.3%					4311	1039+51.04	34.00	866.74
3301	3310	Crosswalk Cross Slope - Yield Condition	6	10.00	-0.08	-0.8%	0.0% to 2.0%					4312	1039+56.67	34.00	866.56
3302	3303	Sidewalk Running Slope	4	12.66	0.30	2.4%	0.5% to 5.0%					4401	1039+96.01	39.00	866.97
3302	3305	Landing/Turning Space	4	10.00	0.15	1.5%	0.1% to 2.0%					4402	1039+99.25	39.00	867.08
3302	3309	Landing/Turning Space	4	10.00	-0.08	-0.8%	0.1% to 2.0%					4403	1040+05.05	39.00	867.44
3303	3305	Sidewalk Cross Slope	4	10.00	-0.15	-1.5%	0.5% to 2.0%					4404	1040+10.05	39.00	867.52
3304	3305	Sidewalk Running Slope	4	10.50	-0.30	-2.9%	0.5% to 5.0%					4405	1040+18.46	39.00	868.04
3305	3306	Landing/Turning Space	4	8.32	-0.08	-0.9%	0.1% to 2.0%					4406	1040+18.46	34.00	867.96
3306	3307	Sidewalk Running Slope	4	8.31	0.10	1.2%	0.5% to 5.0%					4407	1040+10.05	34.00	867.44
3306	3309	Landing/Turning Space	4	10.00	-0.15	-1.5%	0.1% to 2.0%					4408	1040+10.05	28.90	867.17
3307	3308	Sidewalk Cross Slope	4	10.00	-0.15	-1.5%	0.5% to 2.0%					4409	1040+10.05	26.46	867.16
3308	3309	Sidewalk Running Slope	4	10.00	-0.10	-1.0%	0.5% to 5.0%					4410	1040+05.05	28.90	867.08
3309	3310	Ramp Running Slope	6	6.00	-0.39	-6.5%	0.5% to 8.3%					4411	1040+05.05	34.00	867.37
3311	3312	Crosswalk Cross Slope - Yield Condition	6	12.00	0.12	1.0%	0.0% to 2.0%					4412	1039+99.25	34.00	867.01
3311	3313	Landing/Turning Space	4	6.02	-0.08	-1.3%	0.1% to 2.0%					4501	1043+28.87	-39.00	871.64
3312	3314	Landing/Turning Space	4	3.70	-0.03	-0.8%	0.1% to 2.0%					4502	1043+32.11	-39.00	871.69
3313	3314	Crosswalk Cross Slope - Yield Condition	6	12.37	0.17	1.4%	0.0% to 2.0%					4503	1043+37.84	-39.00	872.03
3313	3315	Landing/Turning Space	4	6.13	-0.07	-1.1%	0.1% to 2.0%					4504	1043+37.82	-49.97	872.46
3314	3316	Landing/Turning Space	4	4.82	-0.04	-0.8%	0.1% to 2.0%					4505	1043+42.82	-49.98	872.53
3315	3316	Crosswalk Cross Slope - Yield Condition	6	12.12	0.20	1.7%	0.0% to 2.0%					4506	1043+42.84	-39.00	872.10
3317	3318	Ramp Running Slope	6	6.00	0.39	6.5%	0.5% to 8.3%					4507	1043+51.32	-39.00	872.65
3317	3327	Crosswalk Cross Slope - Yield Condition	6	10.00	-0.07	-0.7%	0.0% to 2.0%					4508	1043+51.32	-34.00	872.57
3318	3322	Landing/Turning Space	4	10.00	0.15	1.5%	0.1% to 2.0%					4509	1043+42.85	-34.00	872.03
3318	3326	Landing/Turning Space	4	10.00	-0.07	-0.7%	0.1% to 2.0%					4510	1043+42.86	-28.94	871.68
3318	3320	Ramp Running Slope	6	5.00	0.32	6.3%	0.5% to 8.3%					4511	1043+42.87	-26.47	871.64
3320	3321	Sidewalk Cross Slope	4	10.00	0.15	1.5%	0.5% to 2.0%					4512	1043+37.86	-28.93	871.61
3321	3322	Ramp Running Slope	6	10.00	-0.31	-3.1%	0.5% to 8.3%					4513	1043+37.85	-34.00	871.95
3322	3323	Landing/Turning Space	4	10.00	-0.07	-0.7%	0.1% to 2.0%					4514	1043+32.11	-34.00	871.62
3323	3324	Sidewalk Running Slope	4	9.80	0.12	1.2%	0.5% to 5.0%					4601	1042+92.77	-39.00	871.31
3323	3326	Landing/Turning Space	4	10.00	-0.15	-1.5%	0.1% to 2.0%					4602	1042+89.53	-39.00	871.28
3324	3325	Sidewalk Cross Slope	4	10.00	-0.15	-1.5%	0.5% to 2.0%					4603	1042+83.84	-39.00	871.46
3325	3326	Sidewalk Running Slope	4	10.00	-0.12	-1.2%	0.5% to 5.0%					4604	1042+83.82	-50.03	872.20
3326	3327	Ramp Running Slope	6	6.00	-0.39	-6.5%	0.5% to 8.3%					4605	1042+78.82	-50.02	872.28
3401	3402	Ramp Running Slope	6	6.00	0.32	5.3%	0.5% to 8.3%					4606	1042+78.84	-39.00	871.51
3401	3411	Crosswalk Cross Slope - Yield Condition	6	10.00	-0.19	-1.9%	0.0% to 2.0%					4607	1042+70.32	-39.00	871.79
3402	3406	Landing/Turning Space	4	10.00	0.15	1.5%	0.1% to 2.0%					4608	1042+70.32	-34.00	871.72
3402	3410	Landing/Turning Space	4	10.00	-0.13	-1.3%	0.1% to 2.0%					4609	1042+78.85	-34.00	871.44
3402	3404	Ramp Running Slope	6	7.06	0.44	6.2%	0.5% to 8.3%					4610	1042+78.86	-28.98	871.13
3404	3405	Sidewalk Cross Slope	4	10.00	0.15	1.5%	0.5% to 2.0%					4611	1042+78.87	-26.51	870.98
3405	3406	Ramp Running Slope	6	6.41	-0.44	-6.8%	0.5% to 8.3%					4612	1042+83.86	-28.99	871.07
3406	3407	Landing/Turning Space	4	8.32	-0.13	-1.6%	0.1% to 2.0%	Yes				4613	1042+83.85	-34.00	871.39
3407	3408	Sidewalk Running Slope	4	6.40	0.03	0.5%	0.5% to 5.0%					4614	1042+89.53	-34.00	871.20
3407	3410	Landing/Turning Space	4	10.00	-0.15	-1.5%	0.1% to 2.0%					4701	1042+92.51	39.00	871.16
3408	3409	Sidewalk Cross Slope	4	10.00	-0.15	-1.5%	0.5% to 2.0%					4702	1042+89.27	39.00	871.19
3409	3410	Sidewalk Running Slope	4	7.71	-0.03	-0.4%	0.5% to 5.0%					4703	1042+83.60	39.00	871.41
3410	3411	Ramp Running Slope	6	6.00	-0.38	-6.3%	0.5% to 8.3%					4704	1042+83.56	50.05	871.93
3412	3413	Crosswalk Cross Slope - Yield Condition	6	12.04	-0.09	-0.8%	0.0% to 2.0%					4705	1042+78.56	50.03	872.01
3412	3414	Landing/Turning Space	4	9.20	-0.08	-0.8%	0.1% to 2.0%					4706	1042+78.60	39.00	871.49
3413	3415	Landing/Turning Space	4	7.50	-0.08	-1.1%	0.1% to 2.0%					4707	1042+70.06	39.00	871.61
3414	3415	Crosswalk Cross Slope - Yield Condition	6	12.29	-0.10	-0.8%	0.0% to 2.0%					4708	1042+70.06	34.00	871.53
3414	3416	Landing/Turning Space	4	9.70	-0.09	-1.0%	0.1% to 2.0%					4709	1042+78.62	34.00	871.41
3415	3417	Landing/Turning Space	4	8.50	-0.07	-0.8%	0.1% to 2.0%					4710	1042+78.64	28.99	871.10
3416	3417	Crosswalk Cross Slope - Yield Condition	6	12.09	-0.07	-0.6%	0.0% to 2.0%					4711	1042+78.65	26.52	870.96
3418	3419	Ramp Running Slope	6	6.00	0.38	6.3%	0.5% to 8.3%					4712	1042+83.64	29.01	871.03
3418	3427	Crosswalk Cross Slope - Yield Condition	6	10.00	0.10	1.0%	0.0% to 2.0%					4713	1042+83.62	34.00	871.34
3419	3420	Sidewalk Running Slope	4	7.00	0.12	1.8%	0.5% to 5.0%					4714	1042+89.27	34.00	871.11
3419	3422	Landing/Turning Space	4	10.00	0.15	1.5%	0.1% to 2.0%					4801	1043+28.61	39.00	871.31
3419	3426	Landing/Turning Space	4	10.00	0.10	1.0%	0.1% to 2.0%					4802	1043+31.85	39.00	871.49
3420	3421	Sidewalk Cross Slope	4	10.00	0.15	1.5%	0.5% to 2.0%					4803	1043+37.60	39.00	871.85
3421	3422	Sidewalk Running Slope	4	7.00	-0.12	-1.8%	0.5% to 5.0%					4804	1043+37.56	49.95	872.07
3422	3423	Landing/Turning Space	4	10.00	0.10	1.0%	0.1% to 2.0%					4805	1043+42.56	49.97	872.15
3423	3424	Sidewalk Running Slope	4	10.00	0.31	3.1%	0.5% to 5.0%					4806	1043+42.60	39.00	871.93
3423	3426	Landing/Turning Space	4	10.00	-0.15	-1.5%	0.1% to 2.0%					4807	1043+51.06	39.00	872.47
3424	3425	Sidewalk Cross Slope	4	10.00	-0.15	-1.5%	0.5% to 2.0%					4808	1043+51.06	34.00	872.39
3425	3426	Sidewalk Running Slope	4	10.00	-0.30	-3.0%	0.5% to 5.0%					4809	1043+42.62	34.00	871.85
3426	3427	Ramp Running Slope	6	6.00	-0.38	-6.3%	0.5% to 8.3%					4810	1043+42.64	28.93	871.62
3701	3702	Ramp Running Slope	6	3.43	0.07	1.9%	0.5% to 8.3%					4811	1043+42.65	26.46	871.61

SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
(1) Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
(2) Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk (2)	Distance* FT	Δ Elevation FT	Slope %	Acceptable Constructed Range Pos. or Neg.	Staking Required on this Quadrant? (1)	Measured Slope %	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES Point	Station	Offset	Elevation
3701	3709	Crosswalk Cross Slope - Yield Condition	6	6.08	-0.01	-0.1%	0.0% to 2.0%					4812	1043+37.64	28.91	871.53
3702	3703	Ramp Running Slope	6	5.00	0.31	6.3%	0.5% to 8.3%					4813	1043+37.62	34.00	871.78
3702	3709	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%					4814	1043+31.85	34.00	871.41
3703	3704	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					5101	1046+58.44	-38.00	875.83
3703	3708	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					5102	1046+62.04	-38.00	875.88
3704	3705	Ramp Running Slope	6	8.91	0.51	5.7%	0.5% to 8.3%					5103	1046+68.37	-38.00	876.20
3704	3707	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					5104	1046+68.37	-49.99	876.94
3705	3706	Sidewalk Cross Slope	4	5.00	-0.08	-1.5%	0.5% to 2.0%					5105	1046+73.37	-50.00	877.04
3706	3707	Ramp Running Slope	6	8.91	-0.51	-5.7%	0.5% to 8.3%					5106	1046+73.37	-38.00	876.27
3707	3708	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					5107	1046+88.38	-38.00	877.41
3708	3709	Ramp Running Slope	6	5.00	-0.31	-6.3%	0.5% to 8.3%					5108	1046+88.38	-33.00	877.34
3801	3802	Ramp Running Slope	6	3.24	0.02	0.7%	0.5% to 8.3%					5109	1046+73.38	-33.00	876.20
3801	3811	Crosswalk Cross Slope - Yield Condition	6	5.97	-0.06	-1.1%	0.0% to 2.0%					5110	1046+73.38	-28.07	875.89
3802	3803	Ramp Running Slope	6	4.16	0.26	6.2%	0.5% to 8.3%					5111	1046+73.38	-26.00	875.83
3802	3811	Ramp Cross Slope	6	5.00	-0.09	-1.7%	0.1% to 2.0%	Yes				5112	1046+68.38	-28.06	875.81
3803	3804	Ramp Running Slope	6	11.76	0.67	5.7%	0.5% to 8.3%					5113	1046+68.38	-33.00	876.12
3803	3806	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					5114	1046+62.04	-33.00	875.81
3803	3810	Landing/Turning Space	4	5.00	-0.09	-1.7%	0.1% to 2.0%	Yes				5201	1046+26.82	-39.00	875.41
3804	3805	Sidewalk Cross Slope	4	5.00	0.05	0.9%	0.5% to 2.0%					5202	1046+23.58	-39.00	875.36
3805	3806	Ramp Running Slope	6	11.01	-0.64	-5.8%	0.5% to 8.3%					5203	1046+18.58	-39.00	875.52
3806	3807	Sidewalk Running Slope	4	10.00	0.33	3.3%	0.5% to 5.0%					5204	1046+13.58	-39.00	875.59
3806	3809	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					5205	1046+10.69	-39.00	875.55
3807	3808	Sidewalk Cross Slope	4	5.00	-0.08	-1.5%	0.5% to 2.0%					5206	1046+05.69	-39.00	875.47
3808	3809	Sidewalk Running Slope	4	10.00	-0.33	-3.3%	0.5% to 5.0%					5207	1045+90.69	-39.00	875.61
3809	3810	Landing/Turning Space	4	5.00	-0.09	-1.7%	0.1% to 2.0%	Yes				5208	1045+90.69	-34.00	875.53
3810	3811	Ramp Running Slope	6	4.16	-0.26	-6.2%	0.5% to 8.3%					5209	1046+05.69	-34.00	875.40
4101	4102	Ramp Running Slope	6	3.24	0.10	3.1%	0.5% to 8.3%					5210	1046+05.69	-25.81	874.89
4101	4114	Crosswalk Cross Slope - Yield Condition	6	5.97	0.03	0.4%	0.0% to 2.0%					5211	1046+05.69	-25.04	874.88
4102	4103	Ramp Running Slope	6	8.70	0.51	5.9%	0.5% to 8.3%					5212	1046+10.69	-25.81	874.96
4102	4114	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%					5213	1046+10.69	-34.00	875.47
4103	4104	Sidewalk Running Slope	4	15.00	0.15	1.0%	0.5% to 5.0%					5214	1046+13.58	-34.00	875.52
4103	4106	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					5215	1046+18.58	-34.00	875.44
4103	4113	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					5216	1046+23.58	-34.00	875.28
4104	4105	Sidewalk Cross Slope	4	5.00	0.08	1.5%	0.5% to 2.0%					5301	1046+23.02	39.00	875.01
4105	4106	Sidewalk Running Slope	4	15.00	-0.15	-1.0%	0.5% to 5.0%					5302	1046+19.78	39.00	875.09
4106	4107	Sidewalk Running Slope	4	15.00	0.65	4.3%	0.5% to 5.0%	Yes				5303	1046+14.78	39.00	875.40
4106	4109	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					5304	1046+19.78	39.00	875.43
4107	4108	Sidewalk Cross Slope	4	5.00	-0.07	-1.5%	0.5% to 2.0%					5305	1046+10.69	39.00	875.38
4108	4109	Sidewalk Running Slope	4	15.00	-0.65	-4.3%	0.5% to 5.0%	Yes				5306	1046+10.69	43.71	875.63
4109	4110	Ramp Running Slope	6	6.69	-0.42	-6.2%	0.5% to 8.3%					5307	1046+05.69	43.68	875.48
4109	4113	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					5308	1046+05.69	39.00	875.43
4110	4111	Ramp Running Slope	6	1.70	-0.01	-0.8%	0.5% to 8.3%					5309	1045+90.69	39.00	875.35
4110	4112	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%					5310	1045+90.69	34.00	875.41
4111	4112	Crosswalk Cross Slope - No Yield Condition	6	5.37	-0.06	-1.1%	0.0% to 5.0%					5311	1046+05.69	34.00	874.98
4112	4113	Ramp Running Slope	6	6.69	0.42	6.2%	0.5% to 8.3%					5312	1046+05.69	27.14	874.88
4113	4114	Ramp Running Slope	6	8.70	-0.51	-5.9%	0.5% to 8.3%					5313	1046+05.69	25.53	874.93
4201	4202	Ramp Running Slope	6	3.24	-0.02	-0.6%	0.5% to 8.3%					5314	1046+10.69	27.14	875.36
4201	4214	Crosswalk Cross Slope - Yield Condition	6	5.97	-0.09	-1.5%	0.0% to 2.0%					5315	1046+10.69	34.00	875.32
4202	4203	Ramp Running Slope	6	7.71	0.22	2.9%	0.5% to 8.3%					5316	1046+14.78	34.00	875.01
4202	4214	Ramp Cross Slope	6	5.00	-0.07	-1.4%	0.1% to 2.0%					5401	1046+60.12	39.00	875.36
4203	4204	Sidewalk Running Slope	4	11.00	0.47	4.2%	0.5% to 5.0%	Yes				5402	1046+63.36	39.00	875.59
4203	4206	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					5403	1046+68.60	39.00	875.91
4203	4213	Landing/Turning Space	4	5.00	-0.05	-1.0%	0.1% to 2.0%					5404	1046+68.57	49.98	875.78
4204	4205	Sidewalk Cross Slope	4	5.00	0.08	1.5%	0.5% to 2.0%					5405	1046+73.57	49.97	875.86
4205	4206	Sidewalk Running Slope	4	11.00	-0.47	-4.2%	0.5% to 5.0%	Yes				5406	1046+73.60	39.00	875.99
4206	4207	Sidewalk Running Slope	4	6.50	0.26	4.0%	0.5% to 5.0%					5407	1046+82.57	39.00	876.35
4206	4209	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					5408	1046+82.57	34.00	876.28
4207	4208	Sidewalk Cross Slope	4	5.00	-0.08	-1.5%	0.5% to 2.0%					5409	1046+73.61	34.00	875.91
4208	4209	Sidewalk Running Slope	4	6.50	-0.26	-4.0%	0.5% to 5.0%					5410	1046+73.62	29.27	875.75
4209	4210	Ramp Running Slope	6	6.20	-0.39	-6.3%	0.5% to 8.3%					5411	1046+73.62	26.66	875.80
4209	4213	Landing/Turning Space	4	5.00	-0.05	-1.0%	0.1% to 2.0%					5412	1046+68.62	29.26	875.68
4210	4211	Ramp Running Slope	6	1.94	-0.13	-6.7%	0.5% to 8.3%					5413	1046+68.61	34.00	875.84
4210	4212	Ramp Cross Slope	6	5.00	-0.05	-1.0%	0.1% to 2.0%					5414	1046+63.36	34.00	875.51
4211	4212	Crosswalk Cross Slope - No Yield Condition	6	5.97	0.08	1.3%	0.0% to 5.0%					5501	1049+91.33	-38.00	879.96
4212	4213	Ramp Running Slope	6	6.20	0.39	6.3%	0.5% to 8.3%					5502	1049+94.93	-38.00	879.94
4213	4214	Ramp Running Slope	6	7.71	-0.24	-3.1%	0.5% to 8.3%					5503	1049+98.77	-38.00	880.14
4301	4302	Ramp Running Slope	6	3.24	-0.02	-0.7%	0.5% to 8.3%					5504	1049+98.75	-53.00	881.63
4301	4312	Crosswalk Cross Slope - Yield Condition	6	5.97	-0.11	-1.8%	0.0% to 2.0%					5505	1050+03.75	-53.00	881.71
4302	4303	Ramp Running Slope	6	5.63	0.17	2.9%	0.5% to 8.3%					5506	1050+03.77	-38.00	880.23
4302	4312	Ramp Cross Slope	6	5.00	-0.09	-1.7%	0.1% to 2.0%	Yes				5507	1050+13.26	-38.00	880.37
4303	4304	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					5508	1050+13.26	-33.00	880.30
4303	4311	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					5509	1050+03.78	-33.00	880.14

SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
(1) Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
(2) Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk (2)	Distance* FT	Δ Elevation FT	Slope %	Acceptable Constructed Range Pos. or Neg.	Staking Required on this Quadrant? (1)	Measured Slope %	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES Point	Station	Offset	Elevation
4304	4305	Sidewalk Running Slope	4	8.59	0.25	2.9%	0.5% to 5.0%					5510	1050+03.79	-29.62	879.87
4304	4307	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					5511	1050+03.79	-26.86	879.75
4305	4306	Sidewalk Cross Slope	4	5.00	-0.08	-1.5%	0.5% to 2.0%					5512	1049+98.79	-29.61	879.79
4306	4307	Sidewalk Running Slope	4	8.59	-0.25	-2.9%	0.5% to 5.0%					5513	1049+98.78	-33.00	880.06
4307	4308	Ramp Running Slope	6	5.00	-0.32	-6.3%	0.5% to 8.3%					5514	1049+94.93	-33.00	879.86
4307	4311	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					5601	1049+54.19	-38.00	879.89
4308	4309	Ramp Running Slope	6	2.47	-0.17	-6.9%	0.5% to 8.3%					5602	1049+50.59	-38.00	879.81
4308	4310	Ramp Cross Slope	6	5.00	-0.07	-1.4%	0.1% to 2.0%					5603	1049+46.77	-38.00	879.95
4309	4310	Crosswalk Cross Slope - No Yield Condition	6	5.59	0.10	1.8%	0.0% to 5.0%					5604	1049+46.77	-43.28	880.03
4310	4311	Ramp Running Slope	6	5.00	0.31	6.2%	0.5% to 8.3%					5605	1049+46.75	-58.28	881.53
4311	4312	Ramp Running Slope	6	5.63	-0.18	-3.1%	0.5% to 8.3%					5606	1049+41.75	-58.27	881.62
4401	4402	Ramp Running Slope	6	3.24	0.11	3.5%	0.5% to 8.3%					5607	1049+41.77	-43.27	880.12
4401	4412	Crosswalk Cross Slope - Yield Condition	6	5.97	0.04	0.6%	0.0% to 2.0%					5608	1049+39.77	-43.27	880.15
4402	4403	Ramp Running Slope	6	5.80	0.36	6.2%	0.5% to 8.3%					5609	1049+36.58	-40.85	880.15
4402	4412	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%					5610	1049+36.58	-38.00	880.13
4403	4404	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					5611	1049+26.78	-38.00	880.74
4403	4411	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					5612	1049+26.78	-33.00	880.66
4404	4405	Ramp Running Slope	6	8.41	0.52	6.1%	0.5% to 8.3%					5613	1049+36.58	-33.00	880.04
4404	4407	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					5614	1049+41.77	-38.00	880.04
4405	4406	Sidewalk Cross Slope	4	5.00	-0.07	-1.5%	0.5% to 2.0%					5615	1049+41.78	-33.00	879.95
4406	4407	Ramp Running Slope	6	8.41	-0.52	-6.1%	0.5% to 8.3%					5616	1049+41.79	-29.65	879.71
4407	4408	Ramp Running Slope	6	5.10	-0.27	-5.4%	0.5% to 8.3%					5617	1049+41.79	-26.89	879.54
4407	4411	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					5618	1049+46.79	-29.66	879.63
4408	4409	Ramp Running Slope	6	2.45	-0.02	-0.6%	0.5% to 8.3%					5619	1049+46.78	-33.00	879.87
4408	4410	Ramp Cross Slope	6	5.00	-0.09	-1.8%	0.1% to 2.0%	Yes				5620	1049+50.59	-33.00	879.74
4409	4410	Crosswalk Cross Slope - No Yield Condition	6	5.58	-0.07	-1.3%	0.0% to 5.0%					5701	1049+52.37	39.00	879.34
4410	4411	Ramp Running Slope	6	5.10	0.29	5.6%	0.5% to 8.3%					5702	1049+49.13	39.00	879.49
4411	4412	Ramp Running Slope	6	5.80	-0.36	-6.2%	0.5% to 8.3%					5703	1049+45.47	39.00	879.72
4501	4502	Ramp Running Slope	6	3.24	0.05	1.5%	0.5% to 8.3%					5704	1049+45.39	58.00	878.91
4501	4514	Crosswalk Cross Slope - Yield Condition	6	5.97	-0.03	-0.4%	0.0% to 2.0%					5705	1049+41.07	57.98	879.00
4502	4503	Ramp Running Slope	6	5.74	0.34	5.9%	0.5% to 8.3%					5706	1049+40.47	39.00	879.80
4502	4514	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%					5707	1049+29.92	39.00	880.15
4503	4504	Sidewalk Running Slope	4	10.97	0.43	3.9%	0.5% to 5.0%					5708	1049+29.92	34.00	880.08
4503	4506	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					5709	1049+40.49	34.00	879.72
4503	4513	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					5710	1049+40.50	30.43	879.53
4504	4505	Sidewalk Cross Slope	4	5.00	0.07	1.5%	0.5% to 2.0%					5711	1049+40.51	27.36	879.46
4505	4506	Sidewalk Running Slope	4	10.97	-0.43	-3.9%	0.5% to 5.0%					5712	1049+45.50	30.45	879.45
4506	4507	Ramp Running Slope	6	8.47	0.55	6.4%	0.5% to 8.3%					5713	1049+45.49	34.00	879.65
4506	4509	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					5714	1049+49.13	34.00	879.42
4507	4508	Sidewalk Cross Slope	4	5.00	-0.08	-1.5%	0.5% to 2.0%					5801	1049+91.35	39.00	879.48
4508	4509	Ramp Running Slope	6	8.47	-0.55	-6.4%	0.5% to 8.3%					5802	1049+93.75	39.00	879.63
4509	4510	Ramp Running Slope	6	5.74	-0.34	-6.0%	0.5% to 8.3%					5803	1049+99.47	39.00	879.99
4509	4513	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					5804	1049+99.19	58.00	879.51
4510	4511	Ramp Running Slope	6	2.47	-0.04	-1.7%	0.5% to 8.3%					5805	1050+03.34	58.02	879.58
4510	4512	Ramp Cross Slope	6	5.00	-0.07	-1.5%	0.1% to 2.0%					5806	1050+04.47	39.00	880.06
4511	4512	Crosswalk Cross Slope - No Yield Condition	6	5.59	-0.03	-0.6%	0.0% to 5.0%					5807	1050+13.28	39.00	880.23
4512	4513	Ramp Running Slope	6	5.07	0.34	6.8%	0.5% to 8.3%					5808	1050+13.28	34.00	880.16
4513	4514	Ramp Running Slope	6	5.74	-0.34	-5.9%	0.5% to 8.3%					5809	1050+04.49	34.00	880.01
4601	4602	Ramp Running Slope	6	3.24	-0.03	-0.8%	0.5% to 8.3%					5810	1050+04.51	27.63	879.75
4601	4614	Crosswalk Cross Slope - Yield Condition	6	5.97	-0.10	-1.7%	0.0% to 2.0%					5811	1050+04.53	24.55	879.71
4602	4603	Ramp Running Slope	6	5.68	0.18	3.2%	0.5% to 8.3%					5812	1049+99.51	27.61	879.68
4602	4614	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%					5813	1049+99.49	34.00	879.94
4603	4604	Ramp Running Slope	6	11.02	0.74	6.7%	0.5% to 8.3%					5814	1049+93.75	34.00	879.58
4603	4606	Landing/Turning Space	4	5.00	0.05	1.0%	0.1% to 2.0%					6101	1053+70.84	-18.21	878.19
4603	4613	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					6102	1053+72.51	-24.00	878.57
4604	4605	Sidewalk Cross Slope	4	5.00	0.07	1.5%	0.5% to 2.0%					6103	1053+83.22	-22.47	878.73
4605	4606	Ramp Running Slope	6	11.02	-0.76	-6.9%	0.5% to 8.3%					6104	1053+84.36	-32.40	878.88
4606	4607	Sidewalk Running Slope	4	8.52	0.28	3.3%	0.5% to 5.0%					6105	1053+74.46	-33.81	878.72
4606	4609	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					6106	1053+66.48	-36.11	878.87
4607	4608	Sidewalk Cross Slope	4	5.00	-0.08	-1.5%	0.5% to 2.0%					6107	1053+53.68	-43.74	879.58
4608	4609	Sidewalk Running Slope	4	8.52	-0.28	-3.3%	0.5% to 5.0%					6108	1053+46.75	-36.64	879.43
4609	4610	Ramp Running Slope	6	5.01	-0.30	-6.1%	0.5% to 8.3%					6109	1053+62.90	-26.77	878.72
4609	4613	Landing/Turning Space	4	5.00	-0.05	-1.0%	0.1% to 2.0%					6110	1053+61.23	-20.99	878.37
4610	4611	Ramp Running Slope	6	2.47	-0.15	-6.3%	0.5% to 8.3%					6111	1052+98.48	-81.45	879.44
4610	4612	Ramp Cross Slope	6	5.00	-0.06	-1.2%	0.1% to 2.0%					6112	1053+01.09	-93.28	879.64
4611	4612	Crosswalk Cross Slope - No Yield Condition	6	5.59	0.09	1.7%	0.0% to 5.0%					6113	1053+04.54	-79.21	879.50
4612	4613	Ramp Running Slope	6	5.01	0.31	6.3%	0.5% to 8.3%					6114	1053+05.78	-91.55	879.69
4613	4614	Ramp Running Slope	6	5.68	-0.18	-3.2%	0.5% to 8.3%					6115	1053+10.98	-80.21	879.44
4701	4702	Ramp Running Slope	6	3.24	0.03	0.8%	0.5% to 8.3%					6116	1053+10.27	-92.25	879.63
4701	4714	Crosswalk Cross Slope - Yield Condition	6	5.97	-0.05	-0.8%	0.0% to 2.0%					6117	1053+31.08	-94.48	879.87
4702	4703	Ramp Running Slope	6	5.65	0.23	4.0%	0.5% to 8.3%					6118	1053+33.01	-94.78	879.90
4702	4714	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%					6119	1053+30.88	-109.74	880.65

SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
(1) Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
(2) Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk (2)	Distance* FT	Δ Elevation FT	Slope %	Acceptable Constructed Range Pos. or Neg.	Staking Required on this Quadrant? (1)	Measured Slope %	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES Point	Station	Offset	Elevation
4703	4704	Sidewalk Running Slope	4	11.00	0.52	4.7%	0.5% to 5.0%	Yes				6120	1053+38.80	-110.87	880.77
4703	4706	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					6121	1053+40.96	-96.02	880.02
4703	4713	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					6122	1053+42.50	-86.14	879.92
4704	4705	Sidewalk Cross Slope	4	5.00	0.08	1.6%	0.5% to 2.0%	Yes				6123	1053+44.81	-71.32	880.06
4705	4706	Sidewalk Running Slope	4	11.00	-0.52	-4.7%	0.5% to 5.0%	Yes				6124	1053+34.93	-69.78	879.91
4706	4707	Sidewalk Running Slope	4	8.54	0.12	1.4%	0.5% to 5.0%					6125	1053+32.62	-84.60	879.77
4706	4709	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					6126	1053+26.69	-83.68	879.39
4707	4708	Sidewalk Cross Slope	4	5.00	-0.07	-1.5%	0.5% to 2.0%					6127	1053+25.15	-93.56	879.50
4708	4709	Sidewalk Running Slope	4	8.54	-0.12	-1.4%	0.5% to 5.0%					6201	1052+81.81	-99.34	879.90
4709	4710	Ramp Running Slope	6	5.00	-0.31	-6.2%	0.5% to 8.3%					6202	1052+75.22	-101.77	880.30
4709	4713	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					6203	1052+73.30	-102.30	880.33
4710	4711	Ramp Running Slope	6	2.47	-0.14	-5.8%	0.5% to 8.3%					6204	1052+76.38	-117.87	881.11
4710	4712	Ramp Cross Slope	6	5.00	-0.07	-1.5%	0.1% to 2.0%					6205	1052+68.11	-119.13	881.23
4711	4712	Crosswalk Cross Slope - No Yield Condition	6	5.59	0.07	1.2%	0.0% to 5.0%					6206	1052+65.26	-104.41	880.45
4712	4713	Ramp Running Slope	6	5.00	0.31	6.2%	0.5% to 8.3%					6207	1052+62.42	-96.63	880.31
4713	4714	Ramp Running Slope	6	5.65	-0.23	-4.0%	0.5% to 8.3%					6208	1052+54.06	-84.25	880.25
4801	4802	Ramp Running Slope	6	3.24	0.18	5.5%	0.5% to 8.3%					6209	1052+61.38	-77.44	880.10
4801	4814	Crosswalk Cross Slope - Yield Condition	6	5.97	0.10	1.7%	0.0% to 2.0%					6210	1052+71.76	-92.39	880.16
4802	4803	Ramp Running Slope	6	5.77	0.36	6.2%	0.5% to 8.3%					6211	1052+78.35	-89.96	879.72
4802	4814	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%					6212	1051+98.51	-16.60	878.02
4803	4804	Sidewalk Running Slope	4	11.00	0.22	2.0%	0.5% to 5.0%					6213	1052+10.60	-15.75	878.06
4803	4806	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					6214	1051+99.71	-22.29	878.05
4803	4813	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					6215	1052+12.08	-22.79	878.16
4804	4805	Sidewalk Cross Slope	4	5.00	0.08	1.6%	0.5% to 2.0%	Yes				6216	1051+98.30	-27.04	878.02
4805	4806	Sidewalk Running Slope	4	11.00	-0.23	-2.0%	0.5% to 5.0%					6217	1052+10.12	-29.39	878.12
4806	4807	Ramp Running Slope	6	8.45	0.54	6.4%	0.5% to 8.3%					6218	1052+04.59	-44.54	878.64
4806	4809	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					6219	1052+03.74	-47.42	878.83
4807	4808	Sidewalk Cross Slope	4	5.00	-0.08	-1.5%	0.5% to 2.0%					6220	1052+16.64	-51.24	879.31
4808	4809	Ramp Running Slope	6	8.45	-0.54	-6.4%	0.5% to 8.3%					6221	1052+13.81	-60.83	879.46
4809	4810	Ramp Running Slope	6	5.09	-0.23	-4.5%	0.5% to 8.3%					6222	1052+00.90	-57.01	878.98
4809	4813	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					6223	1051+91.31	-54.17	878.92
4810	4811	Ramp Running Slope	6	2.47	-0.01	-0.5%	0.5% to 8.3%					6224	1051+68.73	-49.20	879.20
4810	4812	Ramp Cross Slope	6	5.00	-0.09	-1.8%	0.1% to 2.0%	Yes				6225	1051+70.65	-39.39	879.05
4811	4812	Crosswalk Cross Slope - No Yield Condition	6	5.59	-0.08	-1.4%	0.0% to 5.0%					6226	1051+94.15	-44.58	878.77
4812	4813	Ramp Running Slope	6	5.09	0.24	4.8%	0.5% to 8.3%					6227	1051+95.00	-41.70	878.58
4813	4814	Ramp Running Slope	6	5.77	-0.36	-6.3%	0.5% to 8.3%					6301	1051+95.43	2.95	877.97
5101	5102	Ramp Running Slope	6	3.60	0.05	1.5%	0.5% to 8.3%					6302	1051+94.19	8.84	878.35
5101	5114	Crosswalk Cross Slope - Yield Condition	6	6.18	-0.02	-0.4%	0.0% to 2.0%					6303	1051+78.15	7.99	879.27
5102	5103	Ramp Running Slope	6	6.34	0.31	4.9%	0.5% to 8.3%					6304	1051+77.99	17.99	879.42
5102	5114	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%					6305	1051+92.97	18.76	878.50
5103	5104	Ramp Running Slope	6	12.00	0.75	6.2%	0.5% to 8.3%					6306	1052+01.09	20.47	878.39
5103	5106	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					6307	1052+14.58	26.91	878.96
5103	5113	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					6308	1052+20.21	18.64	878.81
5104	5105	Sidewalk Cross Slope	4	5.00	0.10	1.9%	0.5% to 2.0%	Yes				6309	1052+03.97	10.89	878.24
5105	5106	Ramp Running Slope	6	12.00	-0.77	-6.4%	0.5% to 8.3%					6310	1052+05.21	5.00	877.86
5106	5107	Ramp Running Slope	6	15.00	1.14	7.6%	0.5% to 8.3%	Yes				6311	1052+45.83	65.55	877.24
5106	5109	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					6312	1052+39.96	66.83	877.62
5107	5108	Sidewalk Cross Slope	4	5.00	-0.08	-1.5%	0.5% to 2.0%					6313	1052+36.78	52.17	878.11
5108	5109	Ramp Running Slope	6	15.00	-1.14	-7.6%	0.5% to 8.3%	Yes				6314	1052+27.01	54.29	878.26
5109	5110	Ramp Running Slope	6	4.94	-0.31	-6.3%	0.5% to 8.3%					6315	1052+30.19	68.95	877.77
5109	5113	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					6316	1052+32.31	78.72	877.59
5110	5111	Ramp Running Slope	6	2.07	-0.05	-2.7%	0.5% to 8.3%					6317	1052+35.50	93.38	877.47
5110	5112	Ramp Cross Slope	6	5.00	-0.07	-1.5%	0.1% to 2.0%					6318	1052+43.31	91.68	877.35
5111	5112	Crosswalk Cross Slope - No Yield Condition	6	5.42	-0.02	-0.4%	0.0% to 5.0%					6319	1052+40.13	77.02	877.47
5112	5113	Ramp Running Slope	6	4.94	0.31	6.3%	0.5% to 8.3%					6320	1052+42.09	76.60	877.44
5113	5114	Ramp Running Slope	6	6.34	-0.31	-4.9%	0.5% to 8.3%					6321	1052+47.95	75.33	877.07
5201	5202	Ramp Running Slope	6	3.24	-0.06	-1.8%	0.5% to 8.3%					6322	1052+64.78	72.69	876.60
5201	5216	Crosswalk Cross Slope - Yield Condition	6	5.97	-0.13	-2.2%	0.0% to 3.2%					6323	1052+62.70	60.87	876.79
5202	5203	Ramp Running Slope	6	5.00	0.16	3.2%	0.5% to 8.3%					6324	1052+69.09	71.76	876.68
5202	5216	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%					6325	1052+69.25	59.44	876.90
5203	5204	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					6326	1052+74.30	73.09	876.66
5203	5215	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					6327	1052+75.56	61.04	876.87
5204	5205	Landing/Turning Space	4	2.90	-0.04	-1.5%	0.1% to 2.0%					6401	1052+93.73	76.85	876.69
5204	5214	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					6402	1053+01.55	78.60	877.19
5205	5206	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					6403	1053+01.49	95.98	877.25
5205	5213	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					6404	1053+09.40	94.79	877.37
5206	5207	Sidewalk Running Slope	4	15.00	0.13	0.9%	0.5% to 5.0%					6405	1053+09.45	79.85	877.31
5206	5209	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					6406	1053+11.44	71.78	877.46
5207	5208	Sidewalk Cross Slope	4	5.00	-0.08	-1.5%	0.5% to 2.0%					6407	1053+17.75	58.19	878.26
5208	5209	Sidewalk Running Slope	4	15.00	-0.13	-0.9%	0.5% to 5.0%					6408	1053+10.61	54.59	878.14
5209	5210	Ramp Running Slope	6	8.19	-0.51	-6.3%	0.5% to 8.3%					6409	1053+03.86	69.22	877.34
5209	5213	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					6410	1052+96.12	67.14	876.84

SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
(1) Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
(2) Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk (2)	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant? (1)	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
				FT	FT	%	Pos. or Neg.		%			Point	Station	Offset	Elevation
5210	5211	Ramp Running Slope	6	0.78	-0.01	-0.9%	0.5% to 8.3%					6411	1053+56.30	28.60	877.61
5210	5212	Ramp Cross Slope	6	5.00	0.08	1.5%	0.1% to 2.0%					6412	1053+56.50	30.59	877.73
5211	5212	Crosswalk Cross Slope - No Yield Condition	6	5.07	0.08	1.6%	0.0% to 5.0%					6413	1053+41.28	32.59	878.44
5212	5213	Ramp Running Slope	6	8.19	0.51	6.3%	0.5% to 8.3%					6414	1053+42.33	40.53	878.56
5213	5214	Landing/Turning Space	4	2.90	0.04	1.5%	0.1% to 2.0%					6415	1053+57.31	38.55	877.85
5214	5215	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					6416	1053+67.26	37.53	877.81
5215	5216	Ramp Running Slope	6	5.00	-0.16	-3.2%	0.5% to 8.3%					6417	1053+82.26	37.53	878.26
5301	5302	Ramp Running Slope	6	3.24	0.07	2.2%	0.5% to 8.3%					6418	1053+81.43	28.24	878.12
5301	5316	Crosswalk Cross Slope - Yield Condition	6	5.97	0.00	-0.1%	0.0% to 2.0%					6419	1053+66.45	29.58	877.69
5302	5303	Ramp Running Slope	6	5.00	0.31	6.3%	0.5% to 8.3%					6420	1053+66.27	27.58	877.56
5302	5316	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%					6421	1053+53.41	10.15	877.97
5303	5304	Ramp Running Slope	6	4.10	0.03	0.7%	0.5% to 8.3%					6422	1053+65.34	8.85	877.93
5303	5315	Ramp Cross Slope	6	5.00	-0.08	-1.6%	0.1% to 2.0%	Yes				6423	1053+52.83	4.47	878.07
5304	5305	Sidewalk Running Slope	4	4.68	-0.05	-1.1%	0.5% to 5.0%					6424	1053+65.01	5.56	877.99
5304	5307	Landing/Turning Space	4	5.00	0.05	1.0%	0.1% to 2.0%					6425	1053+54.34	-0.75	878.16
5304	5314	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					6426	1053+66.32	1.01	878.07
5305	5306	Match Existing Cross Slope	4	5.00	0.25	5.0%	Match Existing					6501	1057+10.74	-34.00	874.37
5306	5307	Sidewalk Running Slope	4	4.68	-0.15	-3.2%	0.5% to 5.0%					6502	1057+10.74	-30.79	874.17
5307	5308	Sidewalk Running Slope	4	15.00	-0.06	-0.4%	0.5% to 5.0%					6503	1057+10.74	-27.55	874.06
5307	5310	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					6504	1057+05.74	-30.80	874.10
5308	5309	Sidewalk Cross Slope	4	5.00	-0.07	-1.5%	0.5% to 2.0%					6505	1057+05.74	-34.00	874.30
5309	5310	Sidewalk Running Slope	4	15.00	0.06	0.4%	0.5% to 5.0%					6506	1057+02.53	-34.00	874.13
5310	5311	Ramp Running Slope	6	6.86	-0.43	-6.3%	0.5% to 8.3%					6507	1056+99.29	-39.00	874.21
5310	5314	Landing/Turning Space	4	5.00	-0.05	-1.0%	0.1% to 2.0%					6508	1057+02.53	-39.00	874.23
5311	5312	Ramp Running Slope	6	1.61	-0.10	-6.2%	0.5% to 8.3%					6509	1057+05.74	-39.00	874.37
5311	5313	Ramp Cross Slope	6	5.00	-0.05	-1.0%	0.1% to 2.0%					6510	1057+05.74	-54.00	875.24
5312	5313	Crosswalk Cross Slope - No Yield Condition	6	5.26	0.05	1.0%	0.0% to 5.0%					6511	1057+10.74	-54.00	875.32
5313	5314	Ramp Running Slope	6	6.86	0.43	6.3%	0.5% to 8.3%					6512	1057+10.74	-39.00	874.45
5314	5315	Ramp Running Slope	6	4.10	-0.03	-0.9%	0.5% to 8.3%					6513	1057+21.74	-39.00	874.95
5315	5316	Ramp Running Slope	6	5.00	-0.31	-6.2%	0.5% to 8.3%					6514	1057+21.74	-34.00	874.88
5401	5402	Ramp Running Slope	6	3.24	0.22	6.9%	0.5% to 8.3%					6601	1056+46.74	-27.55	874.50
5401	5414	Crosswalk Cross Slope - Yield Condition	6	5.97	0.15	2.5%	0.0% to 3.5%					6602	1056+46.74	-30.79	874.56
5402	5403	Ramp Running Slope	6	5.24	0.33	6.2%	0.5% to 8.3%					6603	1056+46.74	-34.00	874.77
5402	5414	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%					6604	1056+35.74	-34.00	875.41
5403	5404	Sidewalk Running Slope	4	11.00	-0.13	-1.2%	0.5% to 5.0%					6605	1056+35.74	-39.00	875.49
5403	5406	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					6606	1056+46.74	-39.00	874.84
5403	5413	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					6607	1056+46.74	-54.00	875.59
5404	5405	Sidewalk Cross Slope	4	5.00	0.08	1.5%	0.5% to 2.0%					6608	1056+51.74	-54.00	875.51
5405	5406	Sidewalk Running Slope	4	11.00	0.13	1.2%	0.5% to 5.0%					6609	1056+51.74	-39.00	874.77
5406	5407	Sidewalk Running Slope	4	8.98	0.36	4.0%	0.5% to 5.0%					6610	1056+54.95	-39.00	874.59
5406	5409	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					6611	1056+58.19	-39.00	874.55
5407	5408	Sidewalk Cross Slope	4	5.00	-0.08	-1.5%	0.5% to 2.0%					6612	1056+54.95	-34.00	874.51
5408	5409	Sidewalk Running Slope	4	8.98	-0.36	-4.0%	0.5% to 5.0%					6613	1056+51.74	-34.00	874.69
5409	5410	Ramp Running Slope	6	4.74	-0.16	-3.4%	0.5% to 8.3%					6614	1056+51.74	-30.79	874.49
5409	5413	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					6701	1056+63.73	39.00	874.23
5410	5411	Ramp Running Slope	6	2.61	0.04	1.7%	0.5% to 8.3%					6702	1056+60.49	39.00	874.37
5410	5412	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%					6703	1056+51.77	39.00	874.91
5411	5412	Crosswalk Cross Slope - No Yield Condition	6	5.65	-0.12	-2.1%	0.0% to 5.0%					6704	1056+51.78	54.00	874.85
5412	5413	Ramp Running Slope	6	4.74	0.16	3.4%	0.5% to 8.3%					6705	1056+46.78	54.00	874.93
5413	5414	Ramp Running Slope	6	5.24	-0.33	-6.2%	0.5% to 8.3%					6706	1056+46.77	39.00	874.98
5501	5502	Ramp Running Slope	6	3.60	-0.02	-0.7%	0.5% to 8.3%					6707	1056+41.28	39.00	875.25
5501	5514	Crosswalk Cross Slope - Yield Condition	6	6.18	-0.10	-1.6%	0.0% to 2.0%					6708	1056+41.28	34.00	875.19
5502	5503	Ramp Running Slope	6	3.85	0.20	5.2%	0.5% to 8.3%					6709	1056+46.76	34.00	874.91
5502	5514	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%					6710	1056+46.75	27.31	874.49
5503	5504	Sidewalk Running Slope	4	15.00	1.50	10.0%	0.5% to 11%					6711	1056+46.75	25.61	874.47
5503	5506	Landing/Turning Space	4	5.00	0.09	1.8%	0.1% to 2.0%	Yes				6712	1056+51.75	27.30	874.42
5503	5513	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					6713	1056+51.76	34.00	874.83
5504	5505	Sidewalk Cross Slope	4	5.00	0.08	1.5%	0.5% to 2.0%					6714	1056+60.49	34.00	874.30
5505	5506	Sidewalk Running Slope	4	15.00	-1.48	-9.9%	0.5% to 10.9%					6801	1057+05.77	39.00	874.55
5506	5507	Sidewalk Running Slope	4	9.48	0.15	1.5%	0.5% to 5.0%					6802	1056+97.07	39.00	874.12
5506	5509	Landing/Turning Space	4	5.00	-0.09	-1.8%	0.1% to 2.0%	Yes				6803	1056+93.83	39.00	874.01
5507	5508	Sidewalk Cross Slope	4	5.00	-0.08	-1.5%	0.5% to 2.0%					6804	1056+97.07	34.00	874.04
5508	5509	Sidewalk Running Slope	4	9.48	-0.16	-1.7%	0.5% to 5.0%					6805	1057+05.76	34.00	874.48
5509	5510	Ramp Running Slope	6	3.39	-0.27	-8.0%	0.5% to 8.3%	Yes				6806	1057+05.75	27.32	874.06
5509	5513	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					6807	1057+10.75	25.62	874.05
5510	5511	Ramp Running Slope	6	2.76	-0.12	-4.4%	0.5% to 8.3%					6808	1057+10.75	27.32	874.14
5510	5512	Ramp Cross Slope	6	5.00	-0.07	-1.5%	0.1% to 2.0%					6809	1057+10.76	34.00	874.55
5511	5512	Crosswalk Cross Slope - No Yield Condition	6	5.72	0.05	0.8%	0.0% to 5.0%					6810	1057+16.28	34.00	874.71
5512	5513	Ramp Running Slope	6	3.39	0.27	8.0%	0.5% to 8.3%	Yes				6811	1057+16.28	39.00	874.79
5513	5514	Ramp Running Slope	6	3.85	-0.20	-5.2%	0.5% to 8.3%					6812	1057+10.77	39.00	874.63
5601	5602	Ramp Running Slope	6	3.60	-0.07	-2.0%	0.5% to 8.3%					6813	1057+10.78	54.00	874.73
5601	5620	Crosswalk Cross Slope - Yield Condition	6	6.18	-0.15	-2.4%	0.0% to 3.4%					6814	1057+05.78	54.00	874.66

SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
(1) Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
(2) Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk (2)	Distance* FT	Δ Elevation FT	Slope %	Acceptable Constructed Range Pos. or Neg.	Staking Required on this Quadrant? (1)	Measured Slope %	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES Point	Station	Offset	Elevation
5602	5603	Ramp Running Slope	6	3.81	0.14	3.6%	0.5% to 8.3%					7101	1060+41.00	-27.31	875.49
5602	5620	Ramp Cross Slope	6	5.00	-0.07	-1.5%	0.1% to 2.0%					7102	1060+36.00	-30.38	875.42
5603	5604	Sidewalk Running Slope	4	5.28	0.08	1.5%	0.5% to 5.0%					7103	1060+36.00	-34.00	875.59
5603	5614	Landing/Turning Space	4	5.00	0.09	1.7%	0.1% to 2.0%	Yes				7104	1060+32.28	-34.00	875.36
5603	5619	Landing/Turning Space	4	5.00	-0.09	-1.7%	0.1% to 2.0%	Yes				7105	1060+29.04	-39.00	875.28
5604	5605	Sidewalk Running Slope	4	15.00	1.50	10.0%	0.5% to 11%					7106	1060+32.28	-39.00	875.43
5604	5607	Sidewalk Cross Slope	4	5.00	0.09	1.8%	0.5% to 2.0%	Yes				7107	1060+36.00	-39.00	875.66
5605	5606	Sidewalk Cross Slope	4	5.00	0.09	1.8%	0.5% to 2.0%	Yes				7108	1060+35.99	-54.00	875.80
5606	5607	Sidewalk Running Slope	4	15.00	-1.50	-10.0%	0.5% to 11%					7109	1060+40.99	-54.00	875.87
5607	5608	Sidewalk Running Slope	4	2.00	0.03	1.7%	0.5% to 5.0%					7110	1060+41.00	-39.00	875.74
5607	5614	Sidewalk Running Slope	4	5.28	-0.08	-1.5%	0.5% to 5.0%					7111	1060+51.49	-39.00	876.31
5608	5609	Sidewalk Cross Slope	4	4.00	0.00	0.0%	0.5% to 2.0%					7112	1060+51.49	-34.00	876.23
5609	5610	Sidewalk Running Slope	4	2.85	-0.02	-0.8%	0.5% to 5.0%					7113	1060+41.00	-34.00	875.66
5610	5611	Ramp Running Slope	6	9.80	0.61	6.2%	0.5% to 8.3%					7114	1060+41.00	-30.38	875.51
5610	5613	Sidewalk Cross Slope	4	5.00	-0.09	-1.7%	0.5% to 2.0%	Yes				7201	1059+77.04	-27.30	875.11
5610	5614	Sidewalk Running Slope	4	5.20	-0.09	-1.8%	0.5% to 5.0%					7202	1059+77.04	-30.38	875.21
5611	5612	Sidewalk Cross Slope	4	5.00	-0.08	-1.5%	0.5% to 2.0%					7203	1059+77.05	-34.00	875.44
5612	5613	Ramp Running Slope	6	9.80	-0.62	-6.3%	0.5% to 8.3%					7204	1059+66.56	-34.00	875.74
5613	5615	Sidewalk Running Slope	4	5.20	-0.09	-1.8%	0.5% to 5.0%					7205	1059+66.56	-39.00	875.81
5614	5615	Landing/Turning Space	4	5.00	-0.09	-1.7%	0.1% to 2.0%	Yes				7206	1059+77.05	-39.00	875.51
5615	5616	Ramp Running Slope	6	3.35	-0.25	-7.3%	0.5% to 8.3%					7207	1059+77.07	-54.00	875.85
5615	5619	Landing/Turning Space	4	5.00	-0.09	-1.7%	0.1% to 2.0%	Yes				7208	1059+82.07	-54.00	875.77
5616	5617	Ramp Running Slope	6	2.76	-0.16	-5.9%	0.5% to 8.3%					7209	1059+82.05	-39.00	875.44
5616	5618	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%					7210	1059+85.77	-39.00	875.22
5617	5618	Crosswalk Cross Slope - No Yield Condition	6	5.72	0.09	1.6%	0.0% to 5.0%					7211	1059+89.01	-39.00	875.14
5618	5619	Ramp Running Slope	6	3.35	0.23	7.0%	0.5% to 8.3%					7212	1059+85.77	-34.00	875.15
5619	5620	Ramp Running Slope	6	3.81	-0.13	-3.3%	0.5% to 8.3%					7213	1059+82.05	-34.00	875.36
5701	5702	Ramp Running Slope	6	3.24	0.16	4.8%	0.5% to 8.3%					7214	1059+82.04	-30.37	875.14
5701	5714	Crosswalk Cross Slope - Yield Condition	6	5.97	0.08	1.4%	0.0% to 2.0%					7301	1059+94.20	39.00	874.92
5702	5703	Ramp Running Slope	6	3.64	0.23	6.3%	0.5% to 8.3%					7302	1059+90.96	39.00	875.08
5702	5714	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%					7303	1059+82.24	39.00	875.58
5703	5704	Sidewalk Running Slope	4	19.00	-0.81	-4.3%	0.5% to 5.0%	Yes				7304	1059+82.26	54.00	875.44
5703	5706	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					7305	1059+77.26	54.00	875.51
5703	5713	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					7306	1059+77.24	39.00	875.66
5704	5705	Sidewalk Cross Slope	4	5.00	0.09	1.8%	0.5% to 2.0%	Yes				7307	1059+71.75	39.00	875.84
5705	5706	Sidewalk Running Slope	4	19.00	0.79	4.2%	0.5% to 5.0%	Yes				7308	1059+71.75	34.00	875.76
5706	5707	Sidewalk Running Slope	4	10.55	0.36	3.4%	0.5% to 5.0%					7309	1059+77.24	34.00	875.58
5706	5709	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					7310	1059+77.23	27.31	875.16
5707	5708	Sidewalk Cross Slope	4	5.00	-0.08	-1.5%	0.5% to 2.0%					7311	1059+77.23	25.61	875.10
5708	5709	Sidewalk Running Slope	4	10.55	-0.36	-3.4%	0.5% to 5.0%					7312	1059+82.23	27.30	875.09
5709	5710	Ramp Running Slope	6	3.57	-0.19	-5.5%	0.5% to 8.3%					7313	1059+82.24	34.00	875.51
5709	5713	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					7314	1059+90.96	34.00	875.00
5710	5711	Ramp Running Slope	6	3.07	-0.07	-2.2%	0.5% to 8.3%					7401	1060+24.38	39.00	875.14
5710	5712	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%					7402	1060+27.62	39.00	875.32
5711	5712	Crosswalk Cross Slope - No Yield Condition	6	5.88	-0.01	-0.1%	0.0% to 5.0%					7403	1060+36.30	39.00	875.92
5712	5713	Ramp Running Slope	6	3.57	0.20	5.5%	0.5% to 8.3%					7404	1060+36.34	54.00	875.64
5713	5714	Ramp Running Slope	6	3.64	-0.23	-6.3%	0.5% to 8.3%					7405	1060+41.34	53.99	875.71
5801	5802	Ramp Running Slope	6	2.41	0.15	6.3%	0.5% to 8.3%					7406	1060+41.30	39.00	875.99
5801	5814	Crosswalk Cross Slope - Yield Condition	6	5.56	0.10	1.8%	0.0% to 2.0%					7407	1060+46.83	39.00	876.30
5802	5803	Ramp Running Slope	6	5.56	0.36	6.4%	0.5% to 8.3%					7408	1060+46.83	34.00	876.23
5802	5814	Ramp Cross Slope	6	5.00	-0.05	-1.0%	0.1% to 2.0%					7409	1060+41.29	34.00	875.92
5803	5804	Sidewalk Running Slope	4	19.16	-0.47	-2.5%	0.5% to 5.0%					7410	1060+41.27	27.33	875.51
5803	5806	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					7411	1060+41.27	25.63	875.50
5803	5813	Landing/Turning Space	4	5.00	-0.05	-1.0%	0.1% to 2.0%					7412	1060+36.27	27.34	875.43
5804	5805	Sidewalk Cross Slope	4	5.00	0.06	1.3%	0.5% to 2.0%					7413	1060+36.29	34.00	875.84
5805	5806	Sidewalk Running Slope	4	19.16	0.48	2.5%	0.5% to 5.0%					7414	1060+27.62	34.00	875.25
5806	5807	Sidewalk Running Slope	4	8.82	0.17	1.9%	0.5% to 5.0%					7501	1063+70.51	-28.07	878.32
5806	5809	Landing/Turning Space	4	5.00	-0.05	-1.0%	0.1% to 2.0%					7502	1063+65.51	-31.67	878.30
5807	5808	Sidewalk Cross Slope	4	5.00	-0.07	-1.5%	0.5% to 2.0%					7503	1063+65.51	-34.00	878.43
5808	5809	Sidewalk Running Slope	4	8.82	-0.15	-1.7%	0.5% to 5.0%					7504	1063+63.31	-34.00	878.29
5809	5810	Ramp Running Slope	6	6.37	-0.26	-4.1%	0.5% to 8.3%					7505	1063+60.07	-39.00	878.27
5809	5813	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					7506	1063+63.31	-39.00	878.36
5810	5811	Ramp Running Slope	6	3.07	-0.04	-1.2%	0.5% to 8.3%					7507	1063+65.51	-39.00	878.50
5810	5812	Ramp Cross Slope	6	5.00	-0.07	-1.5%	0.1% to 2.0%					7508	1063+65.52	-54.00	878.87
5811	5812	Crosswalk Cross Slope - No Yield Condition	6	5.88	-0.04	-0.6%	0.0% to 5.0%					7509	1063+70.52	-54.00	878.94
5812	5813	Ramp Running Slope	6	6.37	0.26	4.1%	0.5% to 8.3%					7510	1063+70.51	-39.00	878.58
5813	5814	Ramp Running Slope	6	5.56	-0.36	-6.4%	0.5% to 8.3%					7511	1063+82.51	-39.00	879.29
6101	6102	Ramp Running Slope	6	6.00	0.38	6.3%	0.5% to 8.3%					7512	1063+82.51	-34.00	879.22
6101	6110	Crosswalk Cross Slope - Yield Condition	6	10.00	0.18	1.8%	0.0% to 2.0%					7513	1063+70.51	-34.00	878.50
6102	6103	Sidewalk Running Slope	4	10.82	0.16	1.5%	0.5% to 5.0%					7514	1063+70.51	-31.67	878.37
6102	6105	Landing/Turning Space	4	10.00	0.15	1.5%	0.1% to 2.0%					7601	1063+19.96	-39.00	877.90
6102	6109	Landing/Turning Space	4	10.00	0.15	1.5%	0.1% to 2.0%					7602	1063+16.72	-39.00	877.93

SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
(1) Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
(2) Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk (2)	Distance* FT	Δ Elevation FT	Slope %	Acceptable Constructed Range Pos. or Neg.	Staking Required on this Quadrant? (1)	Measured Slope %	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES Point	Station	Offset	Elevation
6103	6104	Sidewalk Cross Slope	4	10.00	0.15	1.5%	0.5% to 2.0%					7603	1063+12.51	-39.00	878.12
6104	6105	Sidewalk Running Slope	4	10.00	-0.16	-1.6%	0.5% to 5.0%					7604	1063+12.52	-50.22	878.65
6105	6106	Landing/Turning Space	4	8.32	0.15	1.8%	0.1% to 2.0%	Yes				7605	1063+07.52	-50.22	878.72
6106	6107	Sidewalk Running Slope	4	15.00	0.71	4.8%	0.5% to 5.0%	Yes				7606	1063+07.51	-39.00	878.20
6106	6109	Landing/Turning Space	4	10.00	-0.15	-1.5%	0.1% to 2.0%					7607	1062+97.51	-39.00	878.42
6107	6108	Sidewalk Cross Slope	4	10.00	-0.15	-1.5%	0.5% to 2.0%					7608	1062+97.51	-34.00	878.34
6108	6109	Sidewalk Running Slope	4	19.15	-0.71	-3.7%	0.5% to 5.0%					7609	1063+07.51	-34.00	878.12
6109	6110	Ramp Running Slope	6	6.00	-0.35	-5.8%	0.5% to 8.3%					7610	1063+07.51	-30.00	877.87
6111	6112	Crosswalk Cross Slope - Yield Condition	6	12.14	0.21	1.7%	0.0% to 2.0%					7611	1063+07.51	-27.09	877.75
6111	6113	Landing/Turning Space	4	6.46	0.06	1.0%	0.1% to 2.0%					7612	1063+12.51	-30.00	877.80
6112	6114	Landing/Turning Space	4	5.00	0.05	1.0%	0.1% to 2.0%					7613	1063+12.51	-34.00	878.05
6113	6114	Crosswalk Cross Slope - Yield Condition	6	12.40	0.19	1.6%	0.0% to 2.0%					7614	1063+16.72	-34.00	877.85
6113	6115	Landing/Turning Space	4	6.52	-0.06	-0.8%	0.1% to 2.0%					7701	1063+19.45	39.00	877.90
6114	6116	Landing/Turning Space	4	4.55	-0.07	-1.5%	0.1% to 2.0%					7702	1063+16.21	39.00	877.93
6115	6116	Crosswalk Cross Slope - Yield Condition	6	12.06	0.18	1.5%	0.0% to 2.0%					7703	1063+12.47	39.00	878.11
6117	6118	Landing/Turning Space	4	2.00	0.03	1.5%	0.1% to 2.0%					7704	1063+12.51	54.02	878.69
6117	6125	Landing/Turning Space	4	10.00	-0.10	-1.0%	0.1% to 2.0%					7705	1063+07.51	54.00	878.77
6117	6127	Ramp Running Slope	6	6.00	-0.38	-6.3%	0.5% to 8.3%					7706	1063+07.47	39.00	878.18
6118	6119	Ramp Running Slope	6	15.00	0.75	5.0%	0.5% to 8.3%					7707	1062+97.00	39.00	878.41
6118	6121	Landing/Turning Space	4	8.00	0.12	1.5%	0.1% to 2.0%					7708	1062+97.00	34.00	878.34
6119	6120	Sidewalk Cross Slope	4	8.00	0.12	1.5%	0.5% to 2.0%					7709	1063+07.46	34.00	878.11
6120	6121	Ramp Running Slope	6	15.00	-0.75	-5.0%	0.5% to 8.3%					7710	1063+07.45	30.36	877.88
6121	6122	Landing/Turning Space	4	10.00	-0.10	-1.0%	0.1% to 2.0%					7711	1063+07.44	27.29	877.75
6122	6123	Sidewalk Running Slope	4	15.00	0.14	0.9%	0.5% to 5.0%					7712	1063+12.45	30.35	877.80
6122	6125	Landing/Turning Space	4	10.00	-0.15	-1.5%	0.1% to 2.0%					7713	1063+12.46	34.00	878.03
6123	6124	Sidewalk Cross Slope	4	10.00	-0.15	-1.5%	0.5% to 2.0%					7714	1063+16.21	34.00	877.85
6124	6125	Sidewalk Running Slope	4	15.00	-0.14	-0.9%	0.5% to 5.0%					7801	1063+71.47	39.00	878.67
6125	6126	Ramp Running Slope	6	6.00	-0.38	-6.3%	0.5% to 8.3%					7802	1063+71.51	54.01	879.19
6201	6202	Ramp Running Slope	6	7.00	0.40	5.8%	0.5% to 8.3%					7803	1063+66.51	53.99	879.11
6201	6211	Crosswalk Cross Slope - Yield Condition	6	10.00	-0.18	-1.8%	0.0% to 2.0%					7804	1063+66.47	39.00	878.59
6202	6203	Landing/Turning Space	4	2.00	0.03	1.5%	0.1% to 2.0%					7805	1063+62.79	39.00	878.37
6202	6210	Landing/Turning Space	4	10.00	-0.14	-1.4%	0.1% to 2.0%					7806	1063+59.55	39.00	878.31
6203	6204	Ramp Running Slope	6	15.00	0.78	5.2%	0.5% to 8.3%					7807	1063+62.79	34.00	878.30
6203	6206	Landing/Turning Space	4	8.00	0.12	1.5%	0.1% to 2.0%					7808	1063+66.46	34.00	878.52
6204	6205	Sidewalk Cross Slope	4	8.00	0.12	1.5%	0.5% to 2.0%					7809	1063+66.45	30.42	878.30
6205	6206	Ramp Running Slope	6	15.00	-0.78	-5.2%	0.5% to 8.3%					7810	1063+71.44	27.34	878.31
6206	6207	Landing/Turning Space	4	8.29	-0.14	-1.7%	0.1% to 2.0%	Yes				7811	1063+71.45	30.41	878.37
6207	6208	Sidewalk Running Slope	4	15.00	-0.06	-0.4%	0.5% to 5.0%					7812	1063+71.46	34.00	878.59
6207	6210	Landing/Turning Space	4	10.00	-0.15	-1.5%	0.1% to 2.0%					7813	1063+82.00	34.00	879.21
6208	6209	Sidewalk Cross Slope	4	10.00	-0.15	-1.5%	0.5% to 2.0%					7814	1063+82.00	39.00	879.31
6209	6210	Sidewalk Running Slope	4	15.00	0.06	0.4%	0.5% to 5.0%					8101	1064+72.37	-34.00	879.64
6210	6211	Ramp Running Slope	6	7.00	-0.44	-6.3%	0.5% to 8.3%					8102	1064+72.37	-39.03	879.72
6212	6213	Crosswalk Cross Slope - Yield Condition	6	5.81	0.05	0.8%	0.0% to 2.0%					8103	1064+67.37	-39.00	879.56
6212	6214	Landing/Turning Space	4	12.11	0.03	0.3%	0.1% to 2.0%					8104	1064+62.37	-39.00	879.53
6213	6215	Landing/Turning Space	4	7.19	0.10	1.3%	0.1% to 2.0%					8105	1064+57.37	-39.00	879.67
6214	6215	Crosswalk Cross Slope - Yield Condition	6	12.40	0.11	0.9%	0.0% to 2.0%					8106	1064+57.37	-34.00	879.60
6214	6216	Landing/Turning Space	4	4.95	-0.02	-0.5%	0.1% to 2.0%					8107	1064+62.37	-34.00	879.45
6215	6217	Landing/Turning Space	4	6.88	-0.03	-0.5%	0.1% to 2.0%					8108	1064+62.37	-25.00	878.90
6216	6217	Crosswalk Cross Slope - Yield Condition	6	12.05	0.10	0.8%	0.0% to 2.0%					8109	1064+67.37	-25.00	878.92
6218	6219	Ramp Running Slope	6	3.00	0.19	6.2%	0.5% to 8.3%					8110	1064+67.37	-34.00	879.48
6218	6227	Crosswalk Cross Slope - Yield Condition	6	10.00	-0.06	-0.6%	0.0% to 2.0%					8111	1064+60.87	-5.63	879.28
6219	6220	Sidewalk Running Slope	4	13.46	0.49	3.6%	0.5% to 5.0%					8112	1064+68.87	-5.63	879.31
6219	6222	Landing/Turning Space	4	10.00	0.15	1.5%	0.1% to 2.0%					8113	1064+60.88	0.00	879.31
6219	6226	Landing/Turning Space	4	10.00	-0.06	-0.6%	0.1% to 2.0%					8114	1064+68.88	0.00	879.35
6220	6221	Sidewalk Cross Slope	4	10.00	0.15	1.5%	0.5% to 2.0%					8115	1064+60.89	5.62	879.28
6221	6222	Sidewalk Running Slope	4	13.46	-0.49	-3.6%	0.5% to 5.0%					8116	1064+68.89	5.62	879.31
6222	6223	Landing/Turning Space	4	10.00	-0.05	-0.5%	0.1% to 2.0%					8201	1064+72.37	39.00	879.52
6223	6224	Sidewalk Running Slope	4	23.14	0.27	1.2%	0.5% to 5.0%					8202	1064+72.37	34.00	879.44
6223	6226	Landing/Turning Space	4	10.00	-0.15	-1.5%	0.1% to 2.0%					8203	1064+67.37	34.00	879.43
6224	6225	Sidewalk Cross Slope	4	10.00	-0.15	-1.5%	0.5% to 2.0%					8204	1064+67.37	25.00	878.92
6225	6226	Sidewalk Running Slope	4	24.09	-0.27	-1.1%	0.5% to 5.0%					8205	1064+62.37	25.00	878.90
6226	6227	Ramp Running Slope	6	3.00	-0.19	-6.2%	0.5% to 8.3%					8206	1064+62.37	34.00	879.41
6301	6302	Ramp Running Slope	6	6.00	0.38	6.3%	0.5% to 8.3%					8207	1064+57.37	34.00	879.40
6301	6310	Crosswalk Cross Slope - Yield Condition	6	10.00	-0.11	-1.1%	0.0% to 2.0%					8208	1064+57.37	39.00	879.47
6302	6303	Ramp Running Slope	6	16.07	0.92	5.7%	0.5% to 8.3%					8209	1064+62.37	39.00	879.49
6302	6305	Landing/Turning Space	4	10.00	0.15	1.5%	0.1% to 2.0%					8210	1064+67.37	39.00	879.50
6302	6309	Landing/Turning Space	4	10.00	-0.11	-1.1%	0.1% to 2.0%					8301	1066+92.00	-39.00	878.06
6303	6304	Sidewalk Cross Slope	4	10.00	0.15	1.5%	0.5% to 2.0%					8302	1066+95.24	-39.00	878.07
6304	6305	Ramp Running Slope	6	15.00	-0.92	-6.1%	0.5% to 8.3%					8303	1066+98.97	-39.00	878.28
6305	6306	Landing/Turning Space	4	8.32	-0.11	-1.3%	0.1% to 2.0%					8304	1066+98.92	-64.94	879.09
6306	6307	Sidewalk Running Slope	4	15.00	0.57	3.8%	0.5% to 5.0%					8305	1067+03.92	-64.93	879.17
6306	6309	Landing/Turning Space	4	10.00	-0.15	-1.5%	0.1% to 2.0%					8306	1067+03.97	-39.00	878.31

SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
(1) Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
(2) Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk (2)	Distance* FT	Δ Elevation FT	Slope %	Acceptable Constructed Range Pos. or Neg.	Staking Required on this Quadrant? (1)	Measured Slope %	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES Point	Station	Offset	Elevation
6307	6308	Sidewalk Cross Slope	4	10.00	-0.15	-1.5%	0.5% to 2.0%					8307	1067+08.97	-39.00	878.34
6308	6309	Sidewalk Running Slope	4	18.06	-0.57	-3.2%	0.5% to 5.0%					8308	1067+23.97	-39.00	878.53
6309	6310	Ramp Running Slope	6	6.00	-0.38	-6.3%	0.5% to 8.3%					8309	1067+23.97	-34.00	878.46
6311	6312	Ramp Running Slope	6	6.00	0.38	6.3%	0.5% to 8.3%					8310	1067+08.97	-34.00	878.26
6311	6321	Crosswalk Cross Slope - Yield Condition	6	10.00	-0.18	-1.8%	0.0% to 2.0%					8311	1067+08.97	-27.30	877.85
6312	6313	Sidewalk Running Slope	4	15.00	0.50	3.3%	0.5% to 5.0%					8312	1067+08.97	-25.61	877.74
6312	6315	Landing/Turning Space	4	10.00	0.15	1.5%	0.1% to 2.0%					8313	1067+03.97	-27.30	877.82
6312	6320	Landing/Turning Space	4	10.00	-0.18	-1.8%	0.1% to 2.0%	Yes				8314	1067+03.97	-34.00	878.23
6313	6314	Sidewalk Cross Slope	4	10.00	0.15	1.5%	0.5% to 2.0%					8315	1066+98.97	-34.00	878.20
6314	6315	Sidewalk Running Slope	4	15.00	-0.49	-3.3%	0.5% to 5.0%					8316	1066+95.24	-34.00	877.97
6315	6316	Landing/Turning Space	4	10.00	-0.18	-1.8%	0.1% to 2.0%	Yes				8401	1066+41.01	-34.00	878.56
6316	6317	Sidewalk Running Slope	4	15.00	-0.12	-0.8%	0.5% to 5.0%					8402	1066+29.50	-34.00	879.22
6316	6319	Landing/Turning Space	4	8.00	-0.12	-1.5%	0.1% to 2.0%					8403	1066+29.50	-39.00	879.30
6317	6318	Sidewalk Cross Slope	4	8.00	-0.12	-1.5%	0.5% to 2.0%					8404	1066+41.01	-39.00	878.63
6318	6319	Sidewalk Running Slope	4	15.00	0.12	0.8%	0.5% to 5.0%					8405	1066+40.99	-54.00	879.25
6319	6320	Landing/Turning Space	4	2.00	-0.03	-1.5%	0.1% to 2.0%					8406	1066+45.99	-54.00	879.18
6320	6321	Ramp Running Slope	6	6.00	-0.38	-6.3%	0.5% to 8.3%					8407	1066+46.01	-39.00	878.56
6322	6323	Crosswalk Cross Slope - Yield Condition	6	12.00	0.19	1.6%	0.0% to 2.0%					8408	1066+48.71	-39.00	878.39
6322	6324	Landing/Turning Space	4	4.41	0.08	1.8%	0.1% to 2.0%	Yes				8409	1066+51.95	-39.00	878.35
6323	6325	Landing/Turning Space	4	6.70	0.11	1.6%	0.1% to 2.0%	Yes				8410	1066+48.71	-34.00	878.32
6324	6325	Crosswalk Cross Slope - Yield Condition	6	12.31	0.22	1.8%	0.0% to 2.0%					8411	1066+46.01	-34.00	878.48
6324	6326	Landing/Turning Space	4	5.58	-0.03	-0.5%	0.1% to 2.0%					8412	1066+46.02	-31.23	878.31
6325	6327	Landing/Turning Space	4	6.70	-0.03	-0.5%	0.1% to 2.0%					8413	1066+41.02	-27.81	878.31
6326	6327	Crosswalk Cross Slope - Yield Condition	6	12.11	0.21	1.8%	0.0% to 2.0%					8414	1066+41.02	-31.23	878.38
6401	6402	Ramp Running Slope	6	8.00	0.50	6.3%	0.5% to 8.3%					8501	1066+46.08	39.00	878.83
6401	6410	Crosswalk Cross Slope - Yield Condition	6	10.00	0.15	1.5%	0.0% to 2.0%					8502	1066+41.08	39.00	878.91
6402	6403	Sidewalk Running Slope	4	17.45	0.06	0.3%	0.5% to 5.0%					8503	1066+26.08	39.00	879.33
6402	6405	Landing/Turning Space	4	8.00	0.12	1.5%	0.1% to 2.0%					8504	1066+26.08	34.00	879.25
6402	6409	Landing/Turning Space	4	10.00	0.15	1.5%	0.1% to 2.0%					8505	1066+41.08	34.00	878.83
6403	6404	Sidewalk Cross Slope	4	8.00	0.12	1.5%	0.5% to 2.0%					8506	1066+41.07	25.00	878.27
6404	6405	Sidewalk Running Slope	4	15.00	-0.06	-0.4%	0.5% to 5.0%					8507	1066+46.07	25.00	878.23
6405	6406	Landing/Turning Space	4	8.32	0.15	1.8%	0.1% to 2.0%	Yes				8508	1066+46.08	34.00	878.76
6406	6407	Ramp Running Slope	6	16.13	0.81	5.0%	0.5% to 8.3%					8509	1066+60.91	34.00	878.57
6406	6409	Landing/Turning Space	4	8.00	-0.12	-1.5%	0.1% to 2.0%					8510	1066+64.91	34.00	878.51
6407	6408	Sidewalk Cross Slope	4	8.00	-0.12	-1.5%	0.5% to 2.0%					8511	1066+70.17	34.02	878.18
6408	6409	Ramp Running Slope	6	15.00	-0.81	-5.4%	0.5% to 8.3%					8512	1066+71.39	39.03	878.24
6409	6410	Ramp Running Slope	6	8.00	-0.50	-6.3%	0.5% to 8.3%					8513	1066+70.11	39.01	878.26
6411	6412	Ramp Running Slope	6	2.00	0.13	6.3%	0.5% to 8.3%					8514	1066+64.91	38.95	878.59
6411	6420	Crosswalk Cross Slope - Yield Condition	6	10.00	-0.04	-0.4%	0.0% to 2.0%					8515	1066+68.97	53.76	878.93
6412	6413	Sidewalk Running Slope	4	15.26	0.71	4.6%	0.5% to 5.0%	Yes				8516	1066+64.97	53.77	878.99
6412	6415	Landing/Turning Space	4	8.00	0.12	1.5%	0.1% to 2.0%					8517	1066+60.91	39.00	878.65
6412	6419	Landing/Turning Space	4	10.00	-0.04	-0.4%	0.1% to 2.0%					8601	1066+96.49	39.00	878.05
6413	6414	Sidewalk Cross Slope	4	8.00	0.12	1.5%	0.5% to 2.0%					8602	1066+97.71	39.00	878.04
6414	6415	Sidewalk Running Slope	4	15.00	-0.71	-4.7%	0.5% to 5.0%	Yes				8603	1067+03.98	39.00	878.32
6415	6416	Landing/Turning Space	4	10.00	-0.04	-0.4%	0.1% to 2.0%					8604	1066+99.96	53.85	878.46
6416	6417	Sidewalk Running Slope	4	15.00	0.45	3.0%	0.5% to 5.0%					8605	1067+03.96	53.85	878.50
6416	6419	Landing/Turning Space	4	8.00	-0.12	-1.5%	0.1% to 2.0%					8606	1067+08.97	39.00	878.36
6417	6418	Sidewalk Cross Slope	4	9.33	-0.14	-1.5%	0.5% to 2.0%					8607	1067+23.97	39.00	878.53
6418	6419	Sidewalk Running Slope	4	15.04	-0.43	-2.8%	0.5% to 5.0%					8608	1067+23.97	34.00	878.46
6419	6420	Ramp Running Slope	6	2.00	-0.13	-6.3%	0.5% to 8.3%					8609	1067+08.97	34.00	878.29
6421	6422	Crosswalk Cross Slope - Yield Condition	6	12.00	-0.04	-0.3%	0.0% to 2.0%					8610	1067+08.97	27.00	877.85
6421	6423	Landing/Turning Space	4	5.71	0.10	1.8%	0.1% to 2.0%	Yes				8611	1067+08.97	25.21	877.74
6422	6424	Landing/Turning Space	4	3.30	0.06	1.8%	0.1% to 2.0%	Yes				8612	1067+03.97	27.00	877.80
6423	6424	Crosswalk Cross Slope - Yield Condition	6	12.22	-0.08	-0.6%	0.0% to 2.0%					8613	1067+03.97	34.00	878.24
6423	6425	Landing/Turning Space	4	5.43	0.10	1.8%	0.1% to 2.0%	Yes				8614	1066+97.71	34.00	877.96
6424	6426	Landing/Turning Space	4	4.74	0.08	1.8%	0.1% to 2.0%	Yes				9101	1070+22.16	-39.00	872.80
6425	6426	Crosswalk Cross Slope - Yield Condition	6	12.11	-0.09	-0.7%	0.0% to 2.0%					9102	1070+25.40	-39.00	872.74
6501	6502	Ramp Running Slope	6	3.20	-0.20	-6.3%	0.5% to 8.3%					9103	1070+28.62	-39.00	872.83
6501	6505	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					9104	1070+28.61	-54.00	873.89
6501	6512	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					9105	1070+33.61	-54.00	873.97
6501	6514	Sidewalk Running Slope	4	11.00	0.51	4.6%	0.5% to 5.0%	Yes				9106	1070+33.62	-39.00	872.88
6502	6503	Ramp Running Slope	6	3.24	-0.11	-3.4%	0.5% to 8.3%					9107	1070+44.61	-39.00	873.08
6502	6504	Ramp Cross Slope	6	5.00	-0.07	-1.5%	0.1% to 2.0%					9108	1070+44.61	-34.00	873.00
6503	6504	Crosswalk Cross Slope - No Yield Condition	6	5.97	0.03	0.6%	0.0% to 5.0%					9109	1070+33.62	-34.00	872.79
6504	6505	Ramp Running Slope	6	3.20	0.20	6.3%	0.5% to 8.3%					9110	1070+33.62	-30.79	872.59
6505	6506	Ramp Running Slope	6	3.20	-0.16	-5.1%	0.5% to 8.3%					9111	1070+33.62	-27.55	872.39
6505	6509	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					9112	1070+28.62	-30.78	872.54
6506	6507	Crosswalk Cross Slope - Yield Condition	6	5.97	0.08	1.3%	0.0% to 2.0%					9113	1070+28.62	-34.00	872.74
6506	6508	Ramp Cross Slope	6	5.00	0.10	1.9%	0.1% to 2.0%	Yes				9114	1070+25.40	-34.00	872.65
6507	6508	Ramp Running Slope	6	3.24	0.02	0.6%	0.5% to 8.3%					9201	1069+82.06	-39.00	873.42
6508	6509	Ramp Running Slope	6	3.20	0.14	4.5%	0.5% to 8.3%					9202	1069+78.82	-39.00	873.51
6509	6510	Ramp Running Slope	6	15.00	0.87	5.8%	0.5% to 8.3%					9203	1069+76.62	-39.00	873.67

SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
(1) Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
(2) Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk (2)	Distance* FT	Δ Elevation FT	Slope %	Acceptable Constructed Range Pos. or Neg.	Staking Required on this Quadrant? (1)	Measured Slope %	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES Point	Station	Offset	Elevation
6509	6512	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					9204	1069+76.61	-54.00	874.27
6510	6511	Sidewalk Cross Slope	4	5.00	0.08	1.5%	0.5% to 2.0%					9205	1069+71.61	-54.00	874.34
6511	6512	Ramp Running Slope	6	15.00	-0.87	-5.8%	0.5% to 8.3%					9206	1069+71.62	-39.00	873.74
6512	6513	Sidewalk Running Slope	4	11.00	0.51	4.6%	0.5% to 5.0%	Yes				9207	1069+59.61	-39.00	874.68
6513	6514	Sidewalk Cross Slope	4	5.00	-0.07	-1.5%	0.5% to 2.0%					9208	1069+59.61	-34.00	874.60
6601	6602	Ramp Running Slope	6	3.24	0.06	2.0%	0.5% to 8.3%					9209	1069+71.62	-34.00	873.67
6601	6614	Crosswalk Cross Slope - No Yield Condition	6	5.97	-0.01	-0.2%	0.0% to 5.0%					9210	1069+71.63	-31.68	873.55
6602	6603	Ramp Running Slope	6	3.21	0.20	6.3%	0.5% to 8.3%					9211	1069+71.63	-28.08	873.54
6602	6614	Ramp Cross Slope	6	5.00	-0.07	-1.5%	0.1% to 2.0%					9212	1069+76.63	-31.68	873.46
6603	6604	Ramp Running Slope	6	11.00	0.64	5.9%	0.5% to 8.3%					9213	1069+76.62	-34.00	873.59
6603	6606	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					9214	1069+78.82	-34.00	873.43
6603	6613	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					9301	1069+83.69	39.00	873.22
6604	6605	Sidewalk Cross Slope	4	5.00	0.08	1.6%	0.5% to 2.0%	Yes				9302	1069+80.45	39.00	873.39
6605	6606	Ramp Running Slope	6	11.00	-0.65	-5.9%	0.5% to 8.3%					9303	1069+76.72	39.00	873.66
6606	6607	Ramp Running Slope	6	15.00	0.75	5.0%	0.5% to 8.3%					9304	1069+76.75	54.00	873.86
6606	6609	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					9305	1069+71.75	54.01	873.92
6607	6608	Sidewalk Cross Slope	4	5.00	-0.07	-1.5%	0.5% to 2.0%					9306	1069+71.72	39.00	873.73
6608	6609	Ramp Running Slope	6	15.00	-0.75	-5.0%	0.5% to 8.3%					9307	1069+61.24	39.00	874.47
6609	6610	Ramp Running Slope	6	3.22	-0.18	-5.5%	0.5% to 8.3%					9308	1069+61.24	34.00	874.39
6609	6613	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					9309	1069+71.71	34.00	873.66
6610	6611	Ramp Running Slope	6	3.24	-0.03	-1.0%	0.5% to 8.3%					9310	1069+71.71	30.36	873.48
6610	6612	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%					9311	1069+71.70	27.29	873.51
6611	6612	Crosswalk Cross Slope - Yield Condition	6	5.97	-0.04	-0.7%	0.0% to 2.0%					9312	1069+76.71	30.36	873.40
6612	6613	Ramp Running Slope	6	3.22	0.18	5.5%	0.5% to 8.3%					9313	1069+76.71	34.00	873.58
6613	6614	Ramp Running Slope	6	3.21	-0.20	-6.3%	0.5% to 8.3%					9314	1069+80.45	34.00	873.31
6701	6702	Ramp Running Slope	6	3.24	0.14	4.3%	0.5% to 8.3%					9401	1070+21.79	39.00	872.71
6701	6714	Crosswalk Cross Slope - Yield Condition	6	5.97	0.06	1.1%	0.0% to 2.0%					9402	1070+25.03	39.00	872.69
6702	6703	Ramp Running Slope	6	8.72	0.54	6.2%	0.5% to 8.3%					9403	1070+29.72	39.00	872.81
6702	6714	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%					9404	1070+29.75	54.00	873.03
6703	6704	Sidewalk Running Slope	4	15.00	-0.06	-0.4%	0.5% to 5.0%					9405	1070+34.75	53.99	873.08
6703	6706	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					9406	1070+34.72	39.00	872.86
6703	6713	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					9407	1070+44.24	39.00	873.09
6704	6705	Sidewalk Cross Slope	4	5.00	0.08	1.5%	0.5% to 2.0%					9408	1070+44.24	34.00	873.01
6705	6706	Sidewalk Running Slope	4	15.00	0.06	0.4%	0.5% to 5.0%					9409	1070+34.71	34.00	872.79
6706	6707	Ramp Running Slope	6	5.49	0.27	4.8%	0.5% to 8.3%					9410	1070+34.70	29.66	872.52
6706	6709	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					9411	1070+34.69	26.90	872.35
6707	6708	Sidewalk Cross Slope	4	5.00	-0.06	-1.2%	0.5% to 2.0%					9412	1070+29.70	29.67	872.47
6708	6709	Ramp Running Slope	6	5.49	-0.28	-5.1%	0.5% to 8.3%					9413	1070+29.71	34.00	872.74
6709	6710	Ramp Running Slope	6	6.69	-0.42	-6.2%	0.5% to 8.3%					9414	1070+25.03	34.00	872.60
6709	6713	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					9501	1073+59.20	-27.08	866.53
6710	6711	Ramp Running Slope	6	1.70	-0.02	-1.1%	0.5% to 8.3%					9502	1073+59.20	-32.08	866.82
6710	6712	Ramp Cross Slope	6	5.00	-0.07	-1.5%	0.1% to 2.0%					9503	1073+57.23	-34.00	866.86
6711	6712	Crosswalk Cross Slope - No Yield Condition	6	5.29	-0.06	-1.1%	0.0% to 5.0%					9504	1073+52.23	-34.00	866.76
6712	6713	Ramp Running Slope	6	6.69	0.42	6.2%	0.5% to 8.3%					9505	1073+50.77	-39.00	866.84
6713	6714	Ramp Running Slope	6	8.72	-0.54	-6.2%	0.5% to 8.3%					9506	1073+52.23	-39.00	866.85
6801	6802	Ramp Running Slope	6	8.70	-0.44	-5.0%	0.5% to 8.3%					9507	1073+57.20	-39.00	866.91
6801	6805	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					9508	1073+58.95	-39.01	866.92
6801	6812	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					9509	1073+58.95	-60.06	867.96
6801	6814	Sidewalk Running Slope	4	15.00	0.10	0.7%	0.5% to 5.0%					9510	1073+63.95	-60.06	868.03
6802	6803	Ramp Running Slope	6	3.24	-0.11	-3.3%	0.5% to 8.3%					9511	1073+63.95	-39.00	866.97
6802	6804	Ramp Cross Slope	6	5.00	-0.07	-1.5%	0.1% to 2.0%					9512	1073+64.17	-32.25	866.87
6803	6804	Crosswalk Cross Slope - Yield Condition	6	5.97	0.03	0.5%	0.0% to 2.0%					9513	1073+64.20	-26.48	866.51
6804	6805	Ramp Running Slope	6	8.70	0.44	5.0%	0.5% to 8.3%					9514	1073+64.20	-25.68	866.41
6805	6806	Ramp Running Slope	6	6.68	-0.42	-6.2%	0.5% to 8.3%					9601	1073+01.25	-31.68	867.66
6805	6809	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					9602	1072+96.25	-28.65	867.73
6806	6807	Crosswalk Cross Slope - No Yield Condition	6	5.29	-0.01	-0.2%	0.0% to 5.0%					9603	1072+96.25	-31.68	867.75
6806	6808	Ramp Cross Slope	6	5.00	0.07	1.5%	0.1% to 2.0%					9604	1072+96.25	-34.00	867.88
6807	6808	Ramp Running Slope	6	1.70	0.09	5.2%	0.5% to 8.3%					9605	1072+80.68	-34.00	868.63
6808	6809	Ramp Running Slope	6	6.68	0.42	6.2%	0.5% to 8.3%					9606	1072+80.68	-39.00	868.71
6809	6810	Sidewalk Running Slope	4	5.50	0.16	2.9%	0.5% to 5.0%					9607	1072+96.25	-39.00	867.95
6809	6812	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					9608	1073+01.69	-57.52	868.35
6810	6811	Sidewalk Cross Slope	4	5.00	0.07	1.5%	0.5% to 2.0%					9609	1073+06.69	-57.52	868.28
6811	6812	Sidewalk Running Slope	4	5.50	-0.16	-2.9%	0.5% to 5.0%					9610	1073+01.25	-39.00	867.88
6812	6813	Sidewalk Running Slope	4	15.00	0.10	0.7%	0.5% to 5.0%					9611	1073+04.11	-39.00	867.67
6813	6814	Sidewalk Cross Slope	4	5.00	-0.08	-1.5%	0.5% to 2.0%					9612	1073+08.68	-39.00	867.57
7101	7102	Crosswalk Cross Slope - No Yield Condition	6	5.88	-0.07	-1.1%	0.0% to 5.0%					9613	1073+04.11	-34.00	867.60
7101	7114	Ramp Running Slope	6	3.07	0.02	0.8%	0.5% to 8.3%					9614	1073+01.25	-34.00	867.80
7102	7103	Ramp Running Slope	6	3.62	0.17	4.6%	0.5% to 8.3%					9701	1073+01.25	39.00	867.97
7102	7114	Ramp Cross Slope	6	5.00	0.09	1.8%	0.1% to 2.0%	Yes				9702	1072+96.25	39.00	868.04
7103	7104	Ramp Running Slope	6	3.72	-0.23	-6.2%	0.5% to 8.3%					9703	1072+81.25	39.00	868.69
7103	7107	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					9704	1072+81.25	34.00	868.62
7103	7113	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					9705	1072+96.25	34.00	867.97

SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
(1) Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
(2) Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk (2)	Distance* FT	Δ Elevation FT	Slope %	Acceptable Constructed Range Pos. or Neg.	Staking Required on this Quadrant? (1)	Measured Slope %	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES Point	Station	Offset	Elevation
7104	7105	Crosswalk Cross Slope - Yield Condition	6	5.97	-0.08	-1.3%	0.0% to 2.0%					9706	1072+96.25	25.41	867.70
7104	7106	Ramp Cross Slope	6	5.00	0.07	1.5%	0.1% to 2.0%					9707	1072+96.25	25.00	867.70
7105	7106	Ramp Running Slope	6	3.24	0.15	4.6%	0.5% to 8.3%					9708	1073+01.25	25.41	867.62
7106	7107	Ramp Running Slope	6	3.72	0.23	6.2%	0.5% to 8.3%					9709	1073+01.25	34.00	867.89
7107	7108	Sidewalk Running Slope	4	15.00	0.14	0.9%	0.5% to 5.0%					9710	1073+06.24	34.00	867.84
7107	7110	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					9711	1073+11.50	34.00	867.51
7108	7109	Sidewalk Cross Slope	4	5.00	0.08	1.5%	0.5% to 2.0%					9712	1073+12.72	38.99	867.49
7109	7110	Sidewalk Running Slope	4	15.00	-0.14	-0.9%	0.5% to 5.0%					9713	1073+11.50	38.99	867.56
7110	7111	Ramp Running Slope	6	10.50	0.57	5.4%	0.5% to 8.3%					9714	1073+06.25	39.00	867.89
7110	7113	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					9715	1073+06.71	57.57	867.57
7111	7112	Sidewalk Cross Slope	4	5.00	-0.08	-1.5%	0.5% to 2.0%					9716	1073+01.71	57.59	867.66
7112	7113	Ramp Running Slope	6	10.50	-0.57	-5.4%	0.5% to 8.3%					9801	1073+47.02	33.96	867.46
7113	7114	Ramp Running Slope	6	3.62	-0.15	-4.2%	0.5% to 8.3%					9802	1073+47.02	38.96	867.39
7201	7202	Ramp Running Slope	6	3.60	0.10	2.7%	0.5% to 8.3%					9803	1073+42.02	38.96	867.46
7201	7214	Crosswalk Cross Slope - Yield Condition	6	6.18	0.02	0.4%	0.0% to 2.0%					9804	1073+37.02	38.97	867.15
7202	7203	Ramp Running Slope	6	3.63	0.23	6.3%	0.5% to 8.3%					9805	1073+35.79	38.97	867.15
7202	7214	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%					9806	1073+37.02	33.97	867.07
7203	7204	Sidewalk Running Slope	4	10.50	0.30	2.9%	0.5% to 5.0%					9807	1073+42.02	33.96	867.39
7203	7206	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					9808	1073+59.20	25.00	866.51
7203	7213	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					9809	1073+64.20	25.00	866.41
7204	7205	Sidewalk Cross Slope	4	5.00	0.07	1.5%	0.5% to 2.0%					9810	1073+64.20	30.00	866.73
7205	7206	Ramp Running Slope	6	10.50	-0.30	-2.9%	0.5% to 8.3%					9811	1073+64.20	35.00	866.80
7206	7207	Sidewalk Running Slope	4	15.00	0.34	2.2%	0.5% to 5.0%					9812	1073+59.20	35.00	866.88
7206	7209	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					9813	1073+59.20	30.00	866.80
7207	7208	Sidewalk Cross Slope	4	5.00	-0.07	-1.5%	0.5% to 2.0%					2901	183+83.12	-31.00	871.57
7208	7209	Sidewalk Running Slope	4	15.00	-0.34	-2.2%	0.5% to 5.0%					2902	183+82.71	-45.28	872.41
7209	7210	Ramp Running Slope	6	3.72	-0.22	-5.8%	0.5% to 8.3%					2903	183+78.12	-45.33	872.40
7209	7213	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					2904	183+78.12	-31.00	871.52
7210	7211	Ramp Running Slope	6	3.24	-0.08	-2.5%	0.5% to 8.3%					2905	183+72.98	-31.00	871.38
7210	7212	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%					2906	183+67.27	-31.00	871.25
7211	7212	Crosswalk Cross Slope - No Yield Condition	6	5.97	0.01	0.1%	0.0% to 5.0%					2907	183+65.35	-31.00	871.27
7212	7213	Ramp Running Slope	6	3.72	0.22	5.8%	0.5% to 8.3%					2908	183+67.27	-26.00	871.16
7213	7214	Ramp Running Slope	6	3.63	-0.23	-6.3%	0.5% to 8.3%					2909	183+72.98	-26.00	871.30
7301	7302	Ramp Running Slope	6	3.24	0.15	4.7%	0.5% to 8.3%					2910	183+78.12	-26.00	871.44
7301	7314	Crosswalk Cross Slope - Yield Condition	6	5.97	0.08	1.3%	0.0% to 2.0%					2911	183+83.12	-26.00	871.49
7302	7303	Ramp Running Slope	6	8.73	0.50	5.8%	0.5% to 8.3%					2912	183+97.49	-26.00	870.82
7302	7314	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%					2913	183+97.49	-31.00	870.74
7303	7304	Sidewalk Running Slope	4	15.00	-0.14	-1.0%	0.5% to 5.0%					3001	183+31.77	-31.00	872.40
7303	7306	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					3002	183+29.10	-31.00	872.52
7303	7313	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					3003	183+21.08	-31.00	873.02
7304	7305	Sidewalk Cross Slope	4	5.00	0.08	1.5%	0.5% to 2.0%					3004	183+21.08	-45.93	873.78
7305	7306	Sidewalk Running Slope	4	15.00	0.14	1.0%	0.5% to 5.0%					3005	183+16.08	-46.01	873.81
7306	7307	Sidewalk Running Slope	4	5.49	0.18	3.3%	0.5% to 5.0%					3006	183+16.08	-31.00	873.09
7306	7309	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					3007	183+00.34	-31.11	874.30
7307	7308	Sidewalk Cross Slope	4	5.00	-0.08	-1.5%	0.5% to 2.0%					3008	183+00.37	-26.56	874.14
7308	7309	Sidewalk Running Slope	4	5.49	-0.18	-3.3%	0.5% to 5.0%					3009	183+16.08	-26.00	873.02
7309	7310	Ramp Running Slope	6	6.70	-0.42	-6.3%	0.5% to 8.3%					3010	183+21.08	-26.00	872.94
7309	7313	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					3011	183+29.10	-26.00	872.44
7310	7311	Ramp Running Slope	6	1.70	-0.06	-3.4%	0.5% to 8.3%					3501	190+36.55	-41.96	866.59
7310	7312	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%					3502	190+37.28	-46.98	866.53
7311	7312	Crosswalk Cross Slope - No Yield Condition	6	5.29	-0.02	-0.3%	0.0% to 5.0%					3503	190+36.47	-46.96	866.56
7312	7313	Ramp Running Slope	6	6.70	0.42	6.3%	0.5% to 8.3%					3504	190+29.00	-46.83	867.05
7313	7314	Ramp Running Slope	6	8.73	-0.50	-5.8%	0.5% to 8.3%					3505	190+24.04	-46.24	867.12
7401	7402	Ramp Running Slope	6	3.24	0.19	5.7%	0.5% to 8.3%					3506	190+24.63	-41.25	867.10
7401	7414	Crosswalk Cross Slope - Yield Condition	6	5.97	0.11	1.9%	0.0% to 2.0%					3507	190+24.98	-38.29	867.08
7402	7403	Ramp Running Slope	6	8.68	0.59	6.8%	0.5% to 8.3%					3508	190+14.48	-38.09	867.54
7402	7414	Ramp Cross Slope	6	5.00	-0.07	-1.5%	0.1% to 2.0%					3509	190+14.54	-33.32	867.44
7403	7404	Sidewalk Running Slope	4	15.00	-0.28	-1.9%	0.5% to 5.0%					3510	190+25.57	-33.32	867.01
7403	7406	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					3511	190+26.10	-28.86	866.84
7403	7413	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					3512	190+26.64	-24.28	866.82
7404	7405	Sidewalk Cross Slope	4	5.00	0.08	1.5%	0.5% to 2.0%					3513	190+31.06	-29.45	866.74
7405	7406	Sidewalk Running Slope	4	15.00	0.28	1.9%	0.5% to 5.0%					3514	190+30.54	-33.91	866.93
7406	7407	Ramp Running Slope	6	5.54	0.31	5.6%	0.5% to 8.3%					3515	190+29.95	-38.88	867.01
7406	7409	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					3516	190+29.59	-41.84	867.02
7407	7408	Sidewalk Cross Slope	4	5.00	-0.07	-1.5%	0.5% to 2.0%					3601	190+37.13	21.59	866.77
7408	7409	Ramp Running Slope	6	5.54	-0.31	-5.6%	0.5% to 8.3%					3602	190+31.69	18.21	866.84
7409	7410	Ramp Running Slope	6	6.68	-0.41	-6.1%	0.5% to 8.3%					3603	190+32.16	22.18	866.86
7409	7413	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					3604	190+32.75	27.15	867.15
7410	7411	Ramp Running Slope	6	1.70	-0.01	-0.6%	0.5% to 8.3%					3605	190+33.34	32.11	867.23
7410	7412	Ramp Cross Slope	6	5.00	-0.08	-1.7%	0.1% to 2.0%	Yes				3606	190+35.95	54.12	866.62
7411	7412	Crosswalk Cross Slope - No Yield Condition	6	5.29	-0.07	-1.4%	0.0% to 5.0%					3607	190+26.40	54.90	866.71
7412	7413	Ramp Running Slope	6	6.68	0.42	6.2%	0.5% to 8.3%					3608	190+26.38	58.75	866.61

SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
(1) Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
(2) Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk (2)	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant? (1)	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
				FT	FT	%	Pos. or Neg.		%			Point	Station	Offset	Elevation
7413	7414	Ramp Running Slope	6	8.68	-0.59	-6.8%	0.5% to 8.3%					3609	190+36.54	59.09	866.54
7501	7502	Crosswalk Cross Slope - No Yield Condition	6	6.18	-0.02	-0.3%	0.0% to 5.0%					3610	190+37.93	69.17	866.17
7501	7514	Ramp Running Slope	6	3.60	0.06	1.5%	0.5% to 8.3%					3611	190+41.48	68.75	866.11
7502	7503	Ramp Running Slope	6	2.33	0.13	5.5%	0.5% to 8.3%					3612	190+41.51	58.50	866.47
7502	7514	Ramp Cross Slope	6	5.00	0.08	1.5%	0.1% to 2.0%					3613	190+52.30	58.36	866.09
7503	7504	Ramp Running Slope	6	2.21	-0.14	-6.2%	0.5% to 8.3%					3614	190+51.71	53.37	866.19
7503	7507	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					3615	190+40.92	53.53	866.54
7503	7513	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					3616	190+38.31	31.52	867.15
7504	7505	Crosswalk Cross Slope - Yield Condition	6	5.97	-0.02	-0.3%	0.0% to 2.0%					3617	190+37.72	26.56	867.08
7504	7506	Ramp Cross Slope	6	5.00	0.08	1.5%	0.1% to 2.0%					6001	128+52.40	-46.97	869.11
7505	7506	Ramp Running Slope	6	3.24	0.10	2.9%	0.5% to 8.3%					6002	128+51.66	-54.96	869.01
7506	7507	Ramp Running Slope	6	2.21	0.14	6.2%	0.5% to 8.3%					6003	128+41.75	-54.90	869.67
7507	7508	Sidewalk Running Slope	4	15.00	0.36	2.4%	0.5% to 5.0%					6004	128+39.40	-63.14	870.14
7507	7510	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					6005	128+35.26	-62.08	870.19
7508	7509	Sidewalk Cross Slope	4	5.00	0.08	1.5%	0.5% to 2.0%					6006	128+37.09	-54.32	869.75
7509	7510	Sidewalk Running Slope	4	15.00	-0.36	-2.4%	0.5% to 5.0%					6007	128+21.97	-51.17	870.51
7510	7511	Ramp Running Slope	6	12.00	0.72	6.0%	0.5% to 8.3%					6008	128+23.10	-43.77	870.41
7510	7513	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					6009	128+37.92	-46.37	869.63
7511	7512	Sidewalk Cross Slope	4	5.00	-0.07	-1.5%	0.5% to 2.0%					6010	128+37.88	-33.18	870.19
7512	7513	Ramp Running Slope	6	12.00	-0.72	-6.0%	0.5% to 8.3%					6011	128+37.87	-28.18	870.12
7513	7514	Ramp Running Slope	6	2.33	-0.13	-5.5%	0.5% to 8.3%					6012	128+37.85	-23.18	869.80
7601	7602	Ramp Running Slope	6	3.24	0.03	1.0%	0.5% to 8.3%					6013	128+37.84	-19.06	869.86
7601	7614	Crosswalk Cross Slope - Yield Condition	6	5.97	-0.05	-0.8%	0.0% to 2.0%					6014	128+42.72	-23.18	869.73
7602	7603	Ramp Running Slope	6	4.21	0.20	4.7%	0.5% to 8.3%					6015	128+42.70	-28.18	870.04
7602	7614	Ramp Cross Slope	6	5.00	-0.08	-1.6%	0.1% to 2.0%	Yes				6016	128+42.69	-33.18	870.12
7603	7604	Sidewalk Running Slope	4	11.22	0.52	4.7%	0.5% to 5.0%	Yes				6017	128+42.65	-46.90	869.55
7603	7606	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					6018	128+51.75	-46.96	869.13
7603	7613	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					6019	128+37.73	15.77	870.10
7604	7605	Sidewalk Cross Slope	4	5.00	0.07	1.5%	0.5% to 2.0%					6020	128+37.71	20.63	870.41
7605	7606	Sidewalk Running Slope	4	11.22	-0.52	-4.7%	0.5% to 5.0%	Yes				6021	128+37.70	25.49	870.48
7606	7607	Sidewalk Running Slope	4	10.00	0.22	2.2%	0.5% to 5.0%					6022	128+37.65	39.63	870.63
7606	7609	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					6023	128+42.90	39.52	870.57
7607	7608	Sidewalk Cross Slope	4	5.00	-0.08	-1.5%	0.5% to 2.0%					6024	128+42.86	25.49	870.40
7608	7609	Sidewalk Running Slope	4	10.00	-0.22	-2.2%	0.5% to 5.0%					6025	128+42.84	20.63	870.33
7609	7610	Ramp Running Slope	6	4.00	-0.25	-6.3%	0.5% to 8.3%					6026	128+42.83	15.76	870.06
7609	7613	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%								
7610	7611	Ramp Running Slope	6	2.91	-0.13	-4.3%	0.5% to 8.3%								
7610	7612	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%								
7611	7612	Crosswalk Cross Slope - No Yield Condition	6	5.80	0.05	0.9%	0.0% to 5.0%								
7612	7613	Ramp Running Slope	6	4.00	0.25	6.3%	0.5% to 8.3%								
7613	7614	Ramp Running Slope	6	4.21	-0.20	-4.8%	0.5% to 8.3%								
7701	7702	Ramp Running Slope	6	3.24	0.02	0.7%	0.5% to 8.3%								
7701	7714	Crosswalk Cross Slope - Yield Condition	6	5.97	-0.05	-0.9%	0.0% to 2.0%								
7702	7703	Ramp Running Slope	6	3.74	0.18	4.9%	0.5% to 8.3%								
7702	7714	Ramp Cross Slope	6	5.00	-0.07	-1.5%	0.1% to 2.0%								
7703	7704	Sidewalk Running Slope	4	15.00	0.59	3.9%	0.5% to 5.0%								
7703	7706	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%								
7703	7713	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%								
7704	7705	Sidewalk Cross Slope	4	5.00	0.08	1.5%	0.5% to 2.0%								
7705	7706	Sidewalk Running Slope	4	15.00	-0.59	-3.9%	0.5% to 5.0%								
7706	7707	Sidewalk Running Slope	4	10.47	0.23	2.2%	0.5% to 5.0%								
7706	7709	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%								
7707	7708	Sidewalk Cross Slope	4	5.00	-0.08	-1.5%	0.5% to 2.0%								
7708	7709	Sidewalk Running Slope	4	10.47	-0.23	-2.2%	0.5% to 5.0%								
7709	7710	Ramp Running Slope	6	3.65	-0.23	-6.2%	0.5% to 8.3%								
7709	7713	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%								
7710	7711	Ramp Running Slope	6	3.07	-0.13	-4.2%	0.5% to 8.3%								
7710	7712	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%								
7711	7712	Crosswalk Cross Slope - No Yield Condition	6	5.88	0.05	0.9%	0.0% to 5.0%								
7712	7713	Ramp Running Slope	6	3.65	0.23	6.2%	0.5% to 8.3%								
7713	7714	Ramp Running Slope	6	3.74	-0.18	-4.9%	0.5% to 8.3%								
7801	7802	Sidewalk Running Slope	4	15.00	0.52	3.5%	0.5% to 5.0%								
7801	7804	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%								
7801	7812	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%								
7801	7814	Ramp Running Slope	6	10.53	0.64	6.0%	0.5% to 8.3%								
7802	7803	Sidewalk Cross Slope	4	5.00	-0.07	-1.5%	0.5% to 2.0%								
7803	7804	Sidewalk Running Slope	4	15.00	-0.52	-3.5%	0.5% to 5.0%								
7804	7805	Ramp Running Slope	6	3.68	-0.22	-6.1%	0.5% to 8.3%								
7804	7808	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%								
7805	7806	Ramp Running Slope	6	3.24	-0.06	-1.8%	0.5% to 8.3%								
7805	7807	Ramp Cross Slope	6	5.00	-0.07	-1.5%	0.1% to 2.0%								
7806	7807	Crosswalk Cross Slope - Yield Condition	6	5.97	-0.02	-0.3%	0.0% to 2.0%								

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SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
(1) Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
(2) Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk (2)	Distance* FT	Δ Elevation FT	Slope %	Acceptable Constructed Range Pos. or Neg.	Staking Required on this Quadrant? (1)	Measured Slope %	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES Point	Station	Offset	Elevation
7807	7808	Ramp Running Slope	6	3.68	0.22	6.1%	0.5% to 8.3%								
7808	7809	Ramp Running Slope	6	3.58	-0.22	-6.2%	0.5% to 8.3%								
7808	7812	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%								
7809	7810	Crosswalk Cross Slope - No Yield Condition	6	5.88	0.02	0.3%	0.0% to 5.0%								
7809	7811	Ramp Cross Slope	6	5.00	0.07	1.5%	0.1% to 2.0%								
7810	7811	Ramp Running Slope	6	3.07	0.06	1.9%	0.5% to 8.3%								
7811	7812	Ramp Running Slope	6	3.58	0.22	6.2%	0.5% to 8.3%								
7812	7813	Ramp Running Slope	6	10.53	0.62	5.9%	0.5% to 8.3%								
7813	7814	Sidewalk Cross Slope	4	5.00	0.09	1.9%	0.5% to 2.0%	Yes							
8101	8102	Sidewalk Cross Slope	4	5.00	0.07	1.5%	0.5% to 2.0%								
8101	8110	Sidewalk Running Slope	4	5.00	-0.16	-3.3%	0.5% to 5.0%								
8102	8103	Sidewalk Running Slope	4	5.00	-0.16	-3.3%	0.5% to 5.0%								
8103	8104	Landing/Turning Space	4	5.00	-0.03	-0.6%	0.1% to 2.0%								
8103	8110	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%								
8104	8105	Sidewalk Running Slope	4	5.00	0.14	2.9%	0.5% to 5.0%								
8104	8107	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%								
8105	8106	Sidewalk Cross Slope	4	5.00	-0.07	-1.5%	0.5% to 2.0%								
8106	8107	Sidewalk Running Slope	4	5.00	-0.14	-2.9%	0.5% to 5.0%								
8107	8108	Ramp Running Slope	6	9.00	-0.55	-6.1%	0.5% to 8.3%								
8107	8110	Landing/Turning Space	4	5.00	0.03	0.6%	0.1% to 2.0%								
8108	8109	Crosswalk Cross Slope - Yield Condition	6	5.00	0.02	0.3%	0.0% to 2.0%								
8109	8110	Ramp Running Slope	6	9.00	0.56	6.2%	0.5% to 8.3%								
8111	8112	Crosswalk Cross Slope - Yield Condition	6	8.00	0.03	0.4%	0.0% to 2.0%								
8111	8113	Landing/Turning Space	4	5.62	0.03	0.5%	0.1% to 2.0%								
8112	8114	Landing/Turning Space	4	5.62	0.04	0.7%	0.1% to 2.0%								
8113	8114	Crosswalk Cross Slope - Yield Condition	6	8.00	0.04	0.5%	0.0% to 2.0%								
8113	8115	Landing/Turning Space	4	5.62	-0.03	-0.5%	0.1% to 2.0%								
8114	8116	Landing/Turning Space	4	5.62	-0.04	-0.7%	0.1% to 2.0%								
8115	8116	Crosswalk Cross Slope - Yield Condition	6	8.00	0.03	0.4%	0.0% to 2.0%								
8201	8202	Sidewalk Cross Slope	4	5.00	-0.08	-1.5%	0.5% to 2.0%								
8201	8210	Sidewalk Running Slope	4	5.00	-0.02	-0.3%	0.5% to 5.0%								
8202	8203	Sidewalk Running Slope	4	5.00	-0.02	-0.3%	0.5% to 5.0%								
8203	8204	Ramp Running Slope	6	9.00	-0.51	-5.7%	0.5% to 8.3%								
8203	8206	Landing/Turning Space	4	5.00	-0.02	-0.3%	0.1% to 2.0%								
8203	8210	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%								
8204	8205	Crosswalk Cross Slope - Yield Condition	6	5.00	-0.02	-0.3%	0.0% to 2.0%								
8205	8206	Ramp Running Slope	6	9.00	0.51	5.7%	0.5% to 8.3%								
8206	8207	Sidewalk Running Slope	4	5.00	-0.02	-0.3%	0.5% to 5.0%								
8206	8209	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%								
8207	8208	Sidewalk Cross Slope	4	5.00	0.08	1.5%	0.5% to 2.0%								
8208	8209	Sidewalk Running Slope	4	5.00	0.02	0.3%	0.5% to 5.0%								
8209	8210	Landing/Turning Space	4	5.00	0.02	0.3%	0.1% to 2.0%								
8301	8302	Ramp Running Slope	6	3.24	0.01	0.3%	0.5% to 8.3%								
8301	8316	Crosswalk Cross Slope - Yield Condition	6	5.97	-0.08	-1.4%	0.0% to 2.0%								
8302	8303	Ramp Running Slope	6	3.73	0.21	5.7%	0.5% to 8.3%								
8302	8316	Ramp Cross Slope	6	5.00	-0.10	-1.9%	0.1% to 2.0%	Yes							
8303	8304	Sidewalk Running Slope	4	25.93	0.81	3.1%	0.5% to 5.0%								
8303	8306	Landing/Turning Space	4	5.00	0.03	0.6%	0.1% to 2.0%								
8303	8315	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%								
8304	8305	Sidewalk Cross Slope	4	5.00	0.08	1.5%	0.5% to 2.0%								
8305	8306	Sidewalk Running Slope	4	25.93	-0.86	-3.3%	0.5% to 5.0%								
8306	8307	Landing/Turning Space	4	5.00	0.03	0.6%	0.1% to 2.0%								
8306	8314	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%								
8307	8308	Sidewalk Running Slope	4	15.00	0.19	1.3%	0.5% to 5.0%								
8307	8310	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%								
8308	8309	Sidewalk Cross Slope	4	5.00	-0.08	-1.5%	0.5% to 2.0%								
8309	8310	Sidewalk Running Slope	4	15.00	-0.19	-1.3%	0.5% to 5.0%								
8310	8311	Ramp Running Slope	6	6.70	-0.42	-6.2%	0.5% to 8.3%								
8310	8314	Landing/Turning Space	4	5.00	-0.03	-0.6%	0.1% to 2.0%								
8311	8312	Ramp Running Slope	6	1.70	-0.11	-6.2%	0.5% to 8.3%								
8311	8313	Ramp Cross Slope	6	5.00	-0.03	-0.6%	0.1% to 2.0%								
8312	8313	Crosswalk Cross Slope - No Yield Condition	6	5.29	0.08	1.4%	0.0% to 5.0%								
8313	8314	Ramp Running Slope	6	6.70	0.42	6.2%	0.5% to 8.3%								
8314	8315	Landing/Turning Space	4	5.00	-0.03	-0.6%	0.1% to 2.0%								
8315	8316	Ramp Running Slope	6	3.73	-0.23	-6.2%	0.5% to 8.3%								
8401	8402	Ramp Running Slope	6	11.52	0.67	5.8%	0.5% to 8.3%								
8401	8404	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%								
8401	8411	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%								
8401	8414	Ramp Running Slope	6	2.77	-0.17	-6.2%	0.5% to 8.3%								
8402	8403	Sidewalk Cross Slope	4	5.00	0.08	1.5%	0.5% to 2.0%								
8403	8404	Ramp Running Slope	6	11.52	-0.67	-5.8%	0.5% to 8.3%								
8404	8405	Sidewalk Running Slope	4	15.00	0.62	4.1%	0.5% to 5.0%	Yes							

SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
(1) Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
(2) Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk (2)	Distance* FT	Δ Elevation FT	Slope %	Acceptable Constructed Range Pos. or Neg.	Staking Required on this Quadrant? (1)	Measured Slope %	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES Point	Station	Offset	Elevation
8404	8407	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%								
8405	8406	Sidewalk Cross Slope	4	5.00	-0.08	-1.5%	0.5% to 2.0%								
8406	8407	Sidewalk Running Slope	4	15.00	-0.62	-4.1%	0.5% to 5.0%	Yes							
8407	8408	Ramp Running Slope	6	2.70	-0.16	-6.1%	0.5% to 8.3%								
8407	8411	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%								
8408	8409	Ramp Running Slope	6	3.24	-0.04	-1.3%	0.5% to 8.3%								
8408	8410	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%								
8409	8410	Crosswalk Cross Slope - Yield Condition	6	5.97	-0.03	-0.6%	0.0% to 2.0%								
8410	8411	Ramp Running Slope	6	2.70	0.16	6.1%	0.5% to 8.3%								
8411	8412	Ramp Running Slope	6	2.77	-0.17	-6.2%	0.5% to 8.3%								
8412	8413	Crosswalk Cross Slope - No Yield Condition	6	6.07	0.00	0.0%	0.0% to 5.0%								
8412	8414	Ramp Cross Slope	6	5.00	0.08	1.5%	0.1% to 2.0%								
8413	8414	Ramp Running Slope	6	3.42	0.08	2.3%	0.5% to 8.3%								
8501	8502	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%								
8501	8508	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%								
8501	8517	Sidewalk Running Slope	4	14.84	-0.19	-1.3%	0.5% to 5.0%								
8502	8503	Sidewalk Running Slope	4	15.00	0.42	2.8%	0.5% to 5.0%								
8502	8505	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%								
8503	8504	Sidewalk Cross Slope	4	5.00	-0.08	-1.5%	0.5% to 2.0%								
8504	8505	Sidewalk Running Slope	4	15.00	-0.42	-2.8%	0.5% to 5.0%								
8505	8506	Ramp Running Slope	6	9.00	-0.56	-6.2%	0.5% to 8.3%								
8505	8508	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%								
8506	8507	Crosswalk Cross Slope - No Yield Condition	6	5.00	-0.04	-0.8%	0.0% to 5.0%								
8507	8508	Ramp Running Slope	6	9.00	0.53	5.8%	0.5% to 8.3%								
8508	8509	Sidewalk Running Slope	4	14.84	-0.19	-1.3%	0.5% to 5.0%								
8509	8510	Landing/Turning Space	4	5.00	-0.06	-1.2%	0.1% to 2.0%								
8509	8517	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%								
8510	8511	Ramp Running Slope	6	5.20	-0.33	-6.3%	0.5% to 8.3%								
8510	8514	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%								
8511	8512	Crosswalk Cross Slope - Yield Condition	6	5.19	0.06	1.2%	0.0% to 2.0%								
8511	8513	Ramp Cross Slope	6	5.00	0.08	1.6%	0.1% to 2.0%	Yes							
8512	8513	Ramp Running Slope	6	1.27	0.02	1.6%	0.5% to 8.3%								
8513	8514	Ramp Running Slope	6	5.20	0.32	6.2%	0.5% to 8.3%								
8514	8515	Sidewalk Running Slope	4	15.00	0.34	2.3%	0.5% to 5.0%								
8514	8517	Landing/Turning Space	4	5.00	0.06	1.2%	0.1% to 2.0%								
8515	8516	Sidewalk Cross Slope	4	5.00	0.06	1.2%	0.5% to 2.0%								
8516	8517	Sidewalk Running Slope	4	15.00	-0.34	-2.3%	0.5% to 5.0%								
8601	8602	Ramp Running Slope	6	1.22	-0.01	-1.1%	0.5% to 8.3%								
8601	8614	Crosswalk Cross Slope - Yield Condition	6	5.17	-0.09	-1.8%	0.0% to 2.0%								
8602	8603	Ramp Running Slope	6	6.26	0.28	4.5%	0.5% to 8.3%								
8602	8614	Ramp Cross Slope	6	5.00	-0.08	-1.6%	0.1% to 2.0%	Yes							
8603	8604	Sidewalk Running Slope	4	15.00	0.14	0.9%	0.5% to 5.0%								
8603	8606	Landing/Turning Space	4	5.00	0.04	0.9%	0.1% to 2.0%								
8603	8613	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%								
8604	8605	Sidewalk Cross Slope	4	5.00	0.05	0.9%	0.5% to 2.0%								
8605	8606	Sidewalk Running Slope	4	15.00	-0.14	-0.9%	0.5% to 5.0%								
8606	8607	Sidewalk Running Slope	4	15.00	0.17	1.1%	0.5% to 5.0%								
8606	8609	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%								
8607	8608	Sidewalk Cross Slope	4	5.00	-0.08	-1.5%	0.5% to 2.0%								
8608	8609	Sidewalk Running Slope	4	15.00	-0.17	-1.1%	0.5% to 5.0%								
8609	8610	Ramp Running Slope	6	7.00	-0.44	-6.3%	0.5% to 8.3%								
8609	8613	Landing/Turning Space	4	5.00	-0.05	-0.9%	0.1% to 2.0%								
8610	8611	Ramp Running Slope	6	1.79	-0.11	-6.2%	0.5% to 8.3%								
8610	8612	Ramp Cross Slope	6	5.00	-0.05	-0.9%	0.1% to 2.0%								
8611	8612	Crosswalk Cross Slope - No Yield Condition	6	5.34	0.07	1.2%	0.0% to 5.0%								
8612	8613	Ramp Running Slope	6	7.00	0.44	6.3%	0.5% to 8.3%								
8613	8614	Ramp Running Slope	6	6.26	-0.29	-4.6%	0.5% to 8.3%								
9101	9102	Ramp Running Slope	6	3.24	-0.06	-1.9%	0.5% to 8.3%								
9101	9114	Crosswalk Cross Slope - Yield Condition	6	5.97	-0.15	-2.6%	0.0% to 3.6%								
9102	9103	Ramp Running Slope	6	3.21	0.09	2.8%	0.5% to 8.3%								
9102	9114	Ramp Cross Slope	6	5.00	-0.09	-1.8%	0.1% to 2.0%	Yes							
9103	9104	Ramp Running Slope	6	15.00	1.07	7.1%	0.5% to 8.3%								
9103	9106	Landing/Turning Space	4	5.00	0.05	1.0%	0.1% to 2.0%								
9103	9113	Landing/Turning Space	4	5.00	-0.09	-1.8%	0.1% to 2.0%	Yes							
9104	9105	Sidewalk Cross Slope	4	5.00	0.08	1.5%	0.5% to 2.0%								
9105	9106	Ramp Running Slope	6	15.00	-1.09	-7.3%	0.5% to 8.3%								
9106	9107	Sidewalk Running Slope	4	11.00	0.20	1.8%	0.5% to 5.0%								
9106	9109	Landing/Turning Space	4	5.00	-0.09	-1.8%	0.1% to 2.0%	Yes							
9107	9108	Sidewalk Cross Slope	4	5.00	-0.07	-1.5%	0.5% to 2.0%								
9108	9109	Sidewalk Running Slope	4	11.00	-0.22	-2.0%	0.5% to 5.0%								
9109	9110	Ramp Running Slope	6	3.22	-0.20	-6.2%	0.5% to 8.3%								
9109	9113	Landing/Turning Space	4	5.00	-0.05	-1.0%	0.1% to 2.0%								

SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
(1) Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
(2) Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk (2)	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant? (1)	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
				FT	FT	%	Pos. or Neg.		%			Point	Station	Offset	Elevation
9110	9111	Ramp Running Slope	6	3.24	-0.19	-6.0%	0.5% to 8.3%								
9110	9112	Ramp Cross Slope	6	5.00	-0.05	-1.0%	0.1% to 2.0%								
9111	9112	Crosswalk Cross Slope - No Yield Condition	6	5.97	0.14	2.4%	0.0% to 5.0%								
9112	9113	Ramp Running Slope	6	3.22	0.20	6.2%	0.5% to 8.3%								
9113	9114	Ramp Running Slope	6	3.21	-0.09	-2.8%	0.5% to 8.3%								
9201	9202	Ramp Running Slope	6	3.24	0.09	2.7%	0.5% to 8.3%								
9201	9214	Crosswalk Cross Slope - Yield Condition	6	5.97	0.01	0.2%	0.0% to 2.0%								
9202	9203	Ramp Running Slope	6	2.20	0.16	7.2%	0.5% to 8.3%								
9202	9214	Ramp Cross Slope	6	5.00	-0.07	-1.5%	0.1% to 2.0%								
9203	9204	Sidewalk Running Slope	4	15.00	0.60	4.0%	0.5% to 5.0%								
9203	9206	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%								
9203	9213	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%								
9204	9205	Sidewalk Cross Slope	4	5.00	0.08	1.5%	0.5% to 2.0%								
9205	9206	Sidewalk Running Slope	4	15.00	-0.60	-4.0%	0.5% to 5.0%								
9206	9207	Ramp Running Slope	6	12.00	0.94	7.8%	0.5% to 8.3%	Yes							
9206	9209	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%								
9207	9208	Sidewalk Cross Slope	4	5.00	-0.07	-1.5%	0.5% to 2.0%								
9208	9209	Ramp Running Slope	6	12.00	-0.94	-7.8%	0.5% to 8.3%	Yes							
9209	9210	Ramp Running Slope	6	2.32	-0.11	-4.8%	0.5% to 8.3%								
9209	9213	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%								
9210	9211	Ramp Running Slope	6	3.60	-0.02	-0.5%	0.5% to 8.3%								
9210	9212	Ramp Cross Slope	6	5.00	-0.09	-1.8%	0.1% to 2.0%	Yes							
9211	9212	Crosswalk Cross Slope - No Yield Condition	6	6.18	-0.07	-1.2%	0.0% to 5.0%								
9212	9213	Ramp Running Slope	6	2.32	0.13	5.5%	0.5% to 8.3%								
9213	9214	Ramp Running Slope	6	2.20	-0.16	-7.2%	0.5% to 8.3%								
9301	9302	Ramp Running Slope	6	3.24	0.16	5.0%	0.5% to 8.3%								
9301	9314	Crosswalk Cross Slope - Yield Condition	6	5.97	0.09	1.5%	0.0% to 2.0%								
9302	9303	Ramp Running Slope	6	3.73	0.27	7.3%	0.5% to 8.3%								
9302	9314	Ramp Cross Slope	6	5.00	-0.07	-1.5%	0.1% to 2.0%								
9303	9304	Sidewalk Running Slope	4	15.00	0.20	1.4%	0.5% to 5.0%								
9303	9306	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%								
9303	9313	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%								
9304	9305	Sidewalk Cross Slope	4	5.00	0.06	1.2%	0.5% to 2.0%								
9305	9306	Sidewalk Running Slope	4	15.00	-0.19	-1.3%	0.5% to 5.0%								
9306	9307	Ramp Running Slope	6	10.48	0.74	7.0%	0.5% to 8.3%								
9306	9309	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%								
9307	9308	Sidewalk Cross Slope	4	5.00	-0.07	-1.5%	0.5% to 2.0%								
9308	9309	Ramp Running Slope	6	10.48	-0.74	-7.0%	0.5% to 8.3%								
9309	9310	Ramp Running Slope	6	3.64	-0.18	-5.0%	0.5% to 8.3%								
9309	9313	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%								
9310	9311	Ramp Running Slope	6	3.07	0.03	1.1%	0.5% to 8.3%								
9310	9312	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%								
9311	9312	Crosswalk Cross Slope - No Yield Condition	6	5.88	-0.11	-1.8%	0.0% to 5.0%								
9312	9313	Ramp Running Slope	6	3.64	0.18	5.0%	0.5% to 8.3%								
9313	9314	Ramp Running Slope	6	3.73	-0.27	-7.3%	0.5% to 8.3%								
9401	9402	Ramp Running Slope	6	3.24	-0.02	-0.7%	0.5% to 8.3%								
9401	9414	Crosswalk Cross Slope - Yield Condition	6	5.97	-0.11	-1.9%	0.0% to 2.0%								
9402	9403	Ramp Running Slope	6	4.67	0.12	2.6%	0.5% to 8.3%								
9402	9414	Ramp Cross Slope	6	5.00	-0.09	-1.8%	0.1% to 2.0%	Yes							
9403	9404	Sidewalk Running Slope	4	15.00	0.21	1.4%	0.5% to 5.0%								
9403	9406	Landing/Turning Space	4	5.00	0.05	1.0%	0.1% to 2.0%								
9403	9413	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%								
9404	9405	Sidewalk Cross Slope	4	5.00	0.05	1.0%	0.5% to 2.0%								
9405	9406	Sidewalk Running Slope	4	15.00	-0.22	-1.4%	0.5% to 5.0%								
9406	9407	Sidewalk Running Slope	4	9.54	0.22	2.3%	0.5% to 5.0%								
9406	9409	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%								
9407	9408	Sidewalk Cross Slope	4	5.00	-0.08	-1.5%	0.5% to 2.0%								
9408	9409	Sidewalk Running Slope	4	9.54	-0.22	-2.3%	0.5% to 5.0%								
9409	9410	Ramp Running Slope	6	4.33	-0.27	-6.3%	0.5% to 8.3%								
9409	9413	Landing/Turning Space	4	5.00	-0.05	-1.0%	0.1% to 2.0%								
9410	9411	Ramp Running Slope	6	2.76	-0.17	-6.2%	0.5% to 8.3%								
9410	9412	Ramp Cross Slope	6	5.00	-0.05	-1.0%	0.1% to 2.0%								
9411	9412	Crosswalk Cross Slope - No Yield Condition	6	5.72	0.12	2.1%	0.0% to 5.0%								
9412	9413	Ramp Running Slope	6	4.33	0.27	6.3%	0.5% to 8.3%								
9413	9414	Ramp Running Slope	6	4.67	-0.14	-2.9%	0.5% to 8.3%								
9501	9502	Ramp Running Slope	6	5.00	0.29	5.7%	0.5% to 8.3%								
9501	9513	Ramp Cross Slope	6	5.00	-0.02	-0.5%	0.1% to 2.0%								
9501	9514	Crosswalk Cross Slope - No Yield Condition	6	5.22	-0.12	-2.3%	0.0% to 5.0%								
9502	9503	Landing/Turning Space	4	2.75	0.04	1.4%	0.1% to 2.0%								
9502	9512	Landing/Turning Space	4	5.00	0.05	1.0%	0.1% to 2.0%								
9503	9504	Ramp Running Slope	6	5.00	-0.10	-1.9%	0.5% to 8.3%								
9503	9507	Landing/Turning Space	4	5.00	0.05	1.0%	0.1% to 2.0%								

SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
(1) Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
(2) Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk (2)	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant? (1)	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
												Point	Station	Offset	Elevation
				FT	FT	%	Pos. or Neg.		%						
9504	9505	Crosswalk Cross Slope - Yield Condition	6	5.23	0.08	1.5%	0.0% to 2.0%								
9504	9506	Ramp Cross Slope	6	5.00	0.09	1.8%	0.1% to 2.0%	Yes							
9505	9506	Ramp Running Slope	6	1.44	0.01	0.8%	0.5% to 8.3%								
9506	9507	Ramp Running Slope	6	5.00	0.05	1.1%	0.5% to 8.3%								
9507	9508	Landing/Turning Space	4	1.74	0.02	1.0%	0.1% to 2.0%								
9508	9509	Ramp Running Slope	6	21.05	1.03	4.9%	0.5% to 8.3%								
9508	9511	Landing/Turning Space	4	5.00	0.05	1.0%	0.1% to 2.0%								
9509	9510	Sidewalk Cross Slope	4	5.00	0.07	1.5%	0.5% to 2.0%								
9510	9511	Ramp Running Slope	6	21.05	-1.06	-5.0%	0.5% to 8.3%								
9511	9512	Landing/Turning Space	4	6.79	-0.11	-1.6%	0.1% to 2.0%	Yes							
9512	9513	Ramp Running Slope	6	5.16	-0.36	-7.0%	0.5% to 8.3%								
9513	9514	Ramp Running Slope	6	1.41	-0.09	-6.6%	0.5% to 8.3%								
9601	9602	Crosswalk Cross Slope - No Yield Condition	6	5.85	0.08	1.3%	0.0% to 5.0%								
9601	9603	Ramp Cross Slope	6	5.00	0.09	1.8%	0.1% to 2.0%	Yes							
9601	9614	Ramp Running Slope	6	2.32	0.15	6.3%	0.5% to 8.3%								
9602	9603	Ramp Running Slope	6	3.03	0.01	0.4%	0.5% to 8.3%								
9603	9604	Ramp Running Slope	6	2.32	0.13	5.6%	0.5% to 8.3%								
9604	9605	Ramp Running Slope	6	15.00	0.75	5.0%	0.5% to 8.3%								
9604	9607	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%								
9604	9614	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%								
9605	9606	Sidewalk Cross Slope	4	5.00	0.08	1.5%	0.5% to 2.0%								
9606	9607	Ramp Running Slope	6	15.00	-0.75	-5.0%	0.5% to 8.3%								
9607	9608	Sidewalk Running Slope	4	15.00	0.40	2.7%	0.5% to 5.0%								
9607	9610	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%								
9608	9609	Sidewalk Cross Slope	4	5.00	-0.07	-1.4%	0.5% to 2.0%								
9609	9610	Sidewalk Running Slope	4	15.00	-0.41	-2.7%	0.5% to 5.0%								
9610	9611	Ramp Running Slope	6	2.87	-0.20	-7.0%	0.5% to 8.3%								
9610	9614	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%								
9611	9612	Ramp Running Slope	6	4.57	-0.10	-2.2%	0.5% to 8.3%								
9611	9613	Ramp Cross Slope	6	5.00	-0.07	-1.5%	0.1% to 2.0%								
9612	9613	Crosswalk Cross Slope - Yield Condition	6	6.78	0.03	0.4%	0.0% to 2.0%								
9613	9614	Ramp Running Slope	6	2.87	0.20	7.0%	0.5% to 8.3%								
9701	9702	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%								
9701	9709	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%								
9701	9714	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%								
9701	9716	Sidewalk Running Slope	4	15.00	-0.30	-2.0%	0.5% to 5.0%								
9702	9703	Sidewalk Running Slope	4	15.00	0.65	4.4%	0.5% to 5.0%	Yes							
9702	9705	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%								
9703	9704	Sidewalk Cross Slope	4	5.00	-0.07	-1.5%	0.5% to 2.0%								
9704	9705	Sidewalk Running Slope	4	15.00	-0.65	-4.4%	0.5% to 5.0%	Yes							
9705	9706	Ramp Running Slope	6	8.59	-0.27	-3.2%	0.5% to 8.3%								
9705	9709	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%								
9706	9707	Ramp Running Slope	6	0.41	0.00	1.2%	0.5% to 8.3%								
9706	9708	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%								
9707	9708	Crosswalk Cross Slope - No Yield Condition	6	5.03	-0.08	-1.6%	0.0% to 5.0%								
9708	9709	Ramp Running Slope	6	8.59	0.27	3.2%	0.5% to 8.3%								
9709	9710	Landing/Turning Space	4	5.00	-0.05	-1.0%	0.1% to 2.0%								
9710	9711	Ramp Running Slope	6	5.26	-0.33	-6.3%	0.5% to 8.3%								
9710	9714	Landing/Turning Space	4	5.00	0.05	1.0%	0.1% to 2.0%								
9711	9712	Crosswalk Cross Slope - Yield Condition	6	5.16	-0.02	-0.4%	0.0% to 2.0%								
9711	9713	Ramp Cross Slope	6	5.00	0.05	1.0%	0.1% to 2.0%								
9712	9713	Ramp Running Slope	6	5.16	0.07	1.3%	0.5% to 8.3%								
9713	9714	Ramp Running Slope	6	5.26	0.33	6.3%	0.5% to 8.3%								
9714	9715	Sidewalk Running Slope	4	15.00	-0.32	-2.1%	0.5% to 5.0%								
9715	9716	Sidewalk Cross Slope	4	5.00	0.09	1.8%	0.5% to 2.0%	Yes							
9801	9802	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%								
9801	9807	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%								
9802	9803	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%								
9803	9804	Ramp Running Slope	6	5.00	-0.31	-6.2%	0.5% to 8.3%								
9803	9807	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%								
9804	9805	Ramp Running Slope	6	1.24	0.00	-0.4%	0.5% to 8.3%								
9804	9806	Ramp Cross Slope	6	5.00	-0.08	-1.6%	0.1% to 2.0%	Yes							
9805	9806	Crosswalk Cross Slope - Yield Condition	6	5.18	-0.08	-1.4%	0.0% to 2.0%								
9806	9807	Ramp Running Slope	6	5.00	0.31	6.3%	0.5% to 8.3%								
9808	9809	Crosswalk Cross Slope - No Yield Condition	6	5.00	-0.09	-1.9%	0.0% to 5.0%								
9808	9813	Ramp Running Slope	6	5.00	0.29	5.9%	0.5% to 8.3%								
9809	9810	Ramp Running Slope	6	5.00	0.31	6.2%	0.5% to 8.3%								
9810	9811	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%								
9810	9813	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%								
9811	9812	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%								
9812	9813	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%								
2901	2902	Ramp Running Slope	6	14.30	0.84	5.9%	0.5% to 8.3%								

SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
(1) Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
(2) Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk (2)	Distance* FT	Δ Elevation FT	Slope %	Acceptable Constructed Range Pos. or Neg.	Staking Required on this Quadrant? (1)	Measured Slope %	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES Point	Station	Offset	Elevation
2901	2904	Landing/Turning Space	4	5.00	-0.05	-1.0%	0.1% to 2.0%								
2901	2911	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%								
2901	2913	Ramp Running Slope	6	14.38	-0.83	-5.8%	0.5% to 8.3%								
2902	2903	Match Existing Cross Slope	4	5.00	-0.01	-0.2%	Match Existing								
2903	2904	Ramp Running Slope	6	14.30	-0.88	-6.2%	0.5% to 8.3%								
2904	2905	Ramp Running Slope	6	5.00	-0.14	-2.7%	0.5% to 8.3%								
2904	2910	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%								
2905	2906	Ramp Running Slope	6	5.71	-0.13	-2.2%	0.5% to 8.3%								
2905	2909	Ramp Cross Slope	6	5.00	-0.08	-1.6%	0.1% to 2.0%	Yes							
2906	2907	Ramp Running Slope	6	5.71	0.02	0.3%	0.5% to 8.3%								
2906	2908	Ramp Cross Slope	6	5.00	-0.09	-1.8%	0.1% to 2.0%	Yes							
2907	2908	Crosswalk Cross Slope - Yield Condition	6	5.37	-0.11	-2.0%	0.0% to 2.0%								
2908	2909	Ramp Running Slope	6	1.92	0.14	7.2%	0.5% to 8.3%								
2909	2910	Ramp Running Slope	6	5.00	0.14	2.8%	0.5% to 8.3%								
2910	2911	Landing/Turning Space	4	5.00	0.05	1.0%	0.1% to 2.0%								
2911	2912	Ramp Running Slope	6	14.38	-0.67	-4.7%	0.5% to 8.3%								
2912	2913	Sidewalk Cross Slope	4	5.00	-0.08	-1.6%	0.5% to 2.0%	Yes							
3001	3002	Ramp Running Slope	6	2.68	0.12	4.4%	0.5% to 8.3%								
3001	3011	Crosswalk Cross Slope - Yield Condition	6	5.68	0.04	0.8%	0.0% to 2.0%								
3002	3003	Ramp Running Slope	6	8.02	0.50	6.2%	0.5% to 8.3%								
3002	3011	Ramp Cross Slope	6	5.00	-0.07	-1.5%	0.1% to 2.0%								
3003	3004	Ramp Running Slope	6	15.00	0.76	5.1%	0.5% to 8.3%								
3003	3006	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%								
3003	3010	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%								
3004	3005	Sidewalk Cross Slope	4	5.00	0.03	0.7%	0.5% to 2.0%								
3005	3006	Ramp Running Slope	6	15.00	-0.72	-4.8%	0.5% to 8.3%								
3006	3007	Ramp Running Slope	6	15.74	1.21	7.7%	0.5% to 8.3%	Yes							
3006	3009	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%								
3007	3008	Match Existing Cross Slope	4	5.00	-0.16	-3.3%	Match Existing								
3008	3009	Ramp Running Slope	6	15.74	-1.12	-7.1%	0.5% to 8.3%								
3009	3010	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%								
3010	3011	Ramp Running Slope	6	8.02	-0.50	-6.2%	0.5% to 8.3%								
3501	3502	Crosswalk Cross Slope - Yield Condition	6	5.07	-0.06	-1.1%	0.0% to 2.0%								
3501	3503	Ramp Cross Slope	6	5.00	-0.03	-0.5%	0.1% to 2.0%								
3501	3516	Ramp Running Slope	6	6.96	0.43	6.2%	0.5% to 8.3%								
3502	3503	Ramp Running Slope	6	0.82	0.03	3.8%	0.5% to 8.3%								
3503	3504	Ramp Running Slope	6	7.47	0.49	6.5%	0.5% to 8.3%								
3504	3505	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%								
3504	3516	Landing/Turning Space	4	5.00	-0.02	-0.5%	0.1% to 2.0%								
3505	3506	Landing/Turning Space	4	5.00	-0.02	-0.5%	0.1% to 2.0%								
3506	3507	Landing/Turning Space	4	2.98	-0.02	-0.5%	0.1% to 2.0%								
3506	3516	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%								
3507	3508	Sidewalk Running Slope	4	10.50	0.45	4.3%	0.5% to 5.0%	Yes							
3507	3510	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%								
3507	3515	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%								
3508	3509	Sidewalk Cross Slope	4	5.00	-0.10	-1.9%	0.5% to 2.0%	Yes							
3509	3510	Sidewalk Running Slope	4	11.03	-0.43	-3.9%	0.5% to 5.0%								
3510	3511	Ramp Running Slope	6	4.49	-0.17	-3.9%	0.5% to 8.3%								
3510	3514	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%								
3511	3512	Ramp Running Slope	6	4.62	-0.02	-0.4%	0.5% to 8.3%								
3511	3513	Ramp Cross Slope	6	5.00	-0.10	-1.9%	0.1% to 2.0%	Yes							
3512	3513	Crosswalk Cross Slope - No Yield Condition	6	6.82	-0.08	-1.1%	0.0% to 5.0%								
3513	3514	Ramp Running Slope	6	4.49	0.19	4.3%	0.5% to 8.3%								
3514	3515	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%								
3515	3516	Landing/Turning Space	4	2.98	0.02	0.5%	0.1% to 2.0%								
3601	3602	Crosswalk Cross Slope - Yield Condition	6	6.41	0.07	1.1%	0.0% to 2.0%								
3601	3603	Ramp Cross Slope	6	5.00	0.09	1.8%	0.1% to 2.0%	Yes							
3601	3617	Ramp Running Slope	6	5.00	0.31	6.2%	0.5% to 8.3%								
3602	3603	Ramp Running Slope	6	4.00	0.02	0.4%	0.5% to 8.3%								
3603	3604	Ramp Running Slope	6	5.00	0.30	5.9%	0.5% to 8.3%								
3604	3605	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%								
3604	3617	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%								
3605	3606	Sidewalk Running Slope	4	22.16	-0.61	-2.8%	0.5% to 5.0%								
3605	3616	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%								
3606	3607	Sidewalk Running Slope	4	9.58	0.10	1.0%	0.5% to 5.0%								
3606	3609	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%								
3606	3615	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%								
3607	3608	Match Existing Cross Slope	4	5.00	-0.10	-2.0%	Match Existing								
3608	3609	Sidewalk Running Slope	4	10.17	-0.07	-0.7%	0.5% to 5.0%								
3609	3610	Sidewalk Running Slope	4	10.18	-0.37	-3.6%	0.5% to 5.0%								
3609	3612	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%								
3610	3611	Sidewalk Cross Slope	4	5.00	-0.06	-1.2%	0.5% to 2.0%								

113
04-18-17

SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
(1) Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
(2) Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk (2)	Distance* FT	Δ Elevation FT	Slope %	Acceptable Constructed Range Pos. or Neg.	Staking Required on this Quadrant? (1)	Measured Slope %	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES Point	Station	Offset	Elevation
3611	3612	Sidewalk Running Slope	4	10.33	0.35	3.4%	0.5% to 5.0%								
3612	3613	Ramp Running Slope	6	10.79	-0.38	-3.5%	0.5% to 8.3%								
3612	3615	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%								
3613	3614	Crosswalk Cross Slope - Yield Condition	6	6.41	0.10	1.6%	0.0% to 2.0%								
3614	3615	Ramp Running Slope	6	10.79	0.35	3.3%	0.5% to 8.3%								
3615	3616	Sidewalk Running Slope	4	22.16	0.61	2.8%	0.5% to 5.0%								
3616	3617	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%								
6001	6002	Crosswalk Cross Slope - Yield Condition	6	8.05	-0.10	-1.3%	0.0% to 2.0%								
6001	6018	Ramp Running Slope	6	0.68	0.02	2.5%	0.5% to 8.3%								
6002	6003	Ramp Running Slope	6	10.58	0.66	6.2%	0.5% to 8.3%								
6002	6018	Ramp Cross Slope	6	8.00	0.12	1.5%	0.1% to 2.0%								
6003	6004	Ramp Running Slope	6	8.61	0.47	5.4%	0.5% to 8.3%								
6003	6006	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%								
6003	6017	Landing/Turning Space	4	8.00	-0.12	-1.5%	0.1% to 2.0%								
6004	6005	Sidewalk Cross Slope	4	4.56	0.06	1.3%	0.5% to 2.0%								
6005	6006	Ramp Running Slope	6	8.00	-0.45	-5.6%	0.5% to 8.3%								
6006	6007	Sidewalk Running Slope	4	15.84	0.76	4.8%	0.5% to 5.0%	Yes							
6006	6009	Landing/Turning Space	4	8.00	-0.12	-1.5%	0.1% to 2.0%								
6007	6008	Sidewalk Cross Slope	4	7.49	-0.09	-1.3%	0.5% to 2.0%								
6008	6009	Ramp Running Slope	6	15.84	-0.79	-5.0%	0.5% to 8.3%								
6009	6010	Ramp Running Slope	6	13.18	0.56	4.3%	0.5% to 8.3%								
6009	6017	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%								
6010	6011	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%								
6010	6016	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%								
6011	6012	Ramp Running Slope	6	5.00	-0.31	-6.2%	0.5% to 8.3%								
6011	6015	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%								
6012	6013	Ramp Running Slope	6	4.13	0.06	1.5%	0.5% to 8.3%								
6012	6014	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%								
6013	6014	Crosswalk Cross Slope - No Yield Condition	6	6.50	-0.14	-2.1%	0.0% to 5.0%								
6014	6015	Ramp Running Slope	6	5.00	0.31	6.2%	0.5% to 8.3%								
6015	6016	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%								
6016	6017	Sidewalk Running Slope	4	13.72	-0.57	-4.1%	0.5% to 5.0%	Yes							
6017	6018	Ramp Running Slope	6	9.62	-0.42	-4.4%	0.5% to 8.3%								
6019	6020	Ramp Running Slope	6	5.00	0.30	6.1%	0.5% to 8.3%								
6019	6026	Crosswalk Cross Slope - No Yield Condition	6	5.00	-0.05	-0.9%	0.0% to 5.0%								
6020	6021	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%								
6020	6025	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%								
6021	6022	Sidewalk Running Slope	4	14.03	0.15	1.1%	0.5% to 5.0%								
6021	6024	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%								
6022	6023	Sidewalk Cross Slope	4	5.00	-0.06	-1.2%	0.5% to 2.0%								
6023	6024	Sidewalk Running Slope	4	14.03	-0.17	-1.2%	0.5% to 5.0%								
6024	6025	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%								
6025	6026	Ramp Running Slope	6	5.00	-0.27	-5.5%	0.5% to 8.3%								

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

Station	Cut					Fill						Checks (EW-102)		Topsoil								
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Existing Pavement Undercut (+Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.23 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.5 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink					
MainSt_1																						
1002+96.00																						
1003+00.00	12	6	1	7	6	0			0	0	6	1	0	0	1							
1003+25.00	115	72	4	43	72	1			1	1	72	4	2	4	1							
1003+50.00	112	68	2	43	68	0			0	1	68	2	2	3	-1							
1003+75.00	107	64	0	43	64	0			0	0	64	0	1	1	-1							
1004+00.00	108	64	3	44	64	1			1	1	63	3	2	2	1							
1004+25.00	109	65	8	44	65	1			1	1	64	8	2	4	4							
1004+50.00	109	67	10	41	67	1			1	1	66	10	2	4	7							
1004+75.00	111	69	11	41	69	1			1	1	68	11	2	4	7							
1005+00.00	112	70	11	41	70	1			1	1	70	11	2	4	7							
1005+25.00	112	71	11	41	71	1			1	1	70	11	2	4	8							
1005+50.00	113	72	11	41	72	0			0	1	71	11	2	4	8							
1005+75.00	106	63	5	43	63	0			0	1	62	5	2	4	2							
1006+00.00	97	51	0	46	51	1			1	1	50	0	2	4	-4							
1006+25.00	94	50	3	44	50	1			1	1	49	3	2	4	-1							
1006+50.00	98	57	6	40	57	1			1	2	56	6	4	6	0							
1006+75.00	107	67	6	39	67	1			1	2	65	6	6	9	-3							
1007+00.00	113	73	6	39	73	1			1	1	72	6	6	9	-3							
1007+25.00	113	73	6	39	73	1			1	1	72	6	6	9	-3							
1007+50.00	110	70	6	39	70	1			1	2	68	6	6	10	-4							
1007+75.00	106	66	6	39	66	1			1	2	65	6	7	10	-4							
1008+00.00	100	60	6	38	60	2			2	2	58	6	8	11	-5							
1008+25.00	87	49	6	36	49	4			4	6	44	6	9	13	-8							
1008+50.00	71	36	6	33	36	9			9	11	25	6	11	16	-10							
1008+75.00	57	24	5	30	24	17			17	21	4	5	14	20	-15							
MainSt_1 Totals:	2,378	1,427	139	935	1,427	47			47	59	1,370	139	104	156	-17							

PROJECT NO.:	STBG-SWAP-1185(657)--SG-07	DESIGNED BY:	C.CARPER
PROJECT DATE:	11/15/2022	CHECKED BY:	C.CARPER
CAD DATE:	8/24/2022 2:47 PM	DRAWN BY:	R.PLATNER
CAD FILE:	c:\pw_workdir\pw_jelrdp3\d0518369\MainFinal T Sheets.xlsm		

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

EARTHWORK

SHEET NO.
T.1
STBG-SWAP-1185(6

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

Item 20.

Station	Cut					Fill						Checks (EW-102)		Topsoil								
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Existing Pavement Undercut (+Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.23 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.5 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink					
MainSt2																						
1011+75.00																						
1012+00.00	108	71	5	37	71	7			7	8	62	0	0	5	6	10	-4					
1012+25.00	103	71	5	32	71	5			5	6	65	0	0	5	7	11	-6					
1012+50.00	103	70	6	33	70	4			4	5	65	0	0	6	10	15	-8					
1012+75.00	101	68	6	33	68	4			4	5	62	0	0	6	10	15	-9					
1013+00.00	97	64	5	32	64	3			3	3	61	0	0	5	8	12	-7					
1013+25.00	97	65	6	32	65	0			0	0	64	0	0	6	8	12	-6					
1013+50.00	104	71	11	33	71	2			2	2	69	0	0	11	13	20	-9					
1013+75.00	111	77	16	34	77	2			2	3	74	0	0	16	18	27	-11					
1014+00.00	100	65	13	34	65	2			2	2	63	0	0	13	13	20	-7					
1014+25.00	92	57	14	33	57	3			3	3	54	0	0	14	12	18	-4					
1014+50.00	100	60	14	37	60	4			4	5	56	0	0	14	16	24	-11					
1014+75.00	100	61	10	39	61	2			2	3	58	0	0	10	13	19	-9					
1015+00.00	91	58	10	33	58	0			0	1	57	0	0	10	8	11	-2					
1015+25.00	93	61	10	31	61	0			0	0	61	0	0	10	8	13	-3					
1015+50.00	103	68	13	32	68	7			7	9	59	0	0	13	12	18	-4					
1015+75.00	108	69	15	32	69	18	0		18	22	47	0	0	15	12	18	-3					
1016+00.00	111	71	14	32	71	23	3		23	28	42	0	0	14	11	17	-3					
1016+25.00	111	71	14	32	71	24	3		24	29	42	0	0	14	11	17	-3					
1016+50.00	127	87	14	33	87	19	1		19	23	64	0	0	14	13	19	-6					
1016+75.00	114	79	6	32	79	7			7	9	70	0	0	6	7	11	-5					
1017+00.00	88	57	0	31	57	0			0	0	57	0	0	0	0	0	0					
1017+25.00	99	67	11	32	67	0			0	0	68	0	0	11	9	14	-3					
1017+50.00	115	78	20	33	78	5			5	6	72	0	0	20	17	26	-6					
1017+75.00	115	75	16	33	75	10			10	13	63	0	0	16	14	21	-5					
1018+00.00	108	68	14	32	68	11	0		11	13	55	0	0	14	12	18	-3					
1018+25.00	107	68	13	34	68	7			7	9	59	0	0	13	13	20	-7					
1018+50.00	97	62	6	33	62	2			2	3	60	0	0	6	8	12	-6					
1018+75.00	102	68	12	31	68	2			2	2	66	0	0	12	10	15	-3					
1019+00.00	126	85	19	34	85	6			6	8	78	0	0	19	16	24	-5					
1019+25.00	117	76	15	33	76	9			9	12	65	0	0	15	13	20	-5					
1019+50.00	102	63	17	31	63	10			10	12	51	0	0	17	15	23	-6					
1019+75.00	97	59	14	31	59	9	0		9	11	48	0	0	14	12	18	-4					
1020+00.00	97	58	13	33	58	7			7	8	49	0	0	13	10	15	-3					
1020+25.00	100	59	13	36	59	6			6	7	53	0	0	13	10	15	-3					
1020+50.00	104	61	15	42	61	4			4	6	55	0	0	15	13	20	-5					
1020+75.00	91	52	9	39	52	2			2	2	50	0	0	9	9	13	-4					
1021+00.00	72	41	0	31	41	0			0	0	41	0	0	0	0	0	0					
1021+25.00	87	52	2	36	52	0			0	0	52	0	0	2	2	3	-1					
1021+50.00	97	57	5	40	57	1			1	1	56	0	0	5	4	7	-2					
1021+75.00	84	49	6	35	49	1			1	1	47	0	0	6	3	5	1					
1022+00.00	79	47	7	32	47	1			1	2	45	0	0	7	4	5	1					
1022+25.00	79	46	7	32	46	3			3	3	43	0	0	7	6	8	-2					
1022+50.00	83	50	9	31	50	5			5	6	44	0	0	9	7	11	-3					
1022+75.00	90	57	11	31	57	6			6	8	50	0	0	11	9	13	-2					
1023+00.00	93	61	11	31	61	5			5	7	54	0	0	11	8	13	-1					
1023+25.00	88	57	8	31	57	3			3	3	54	0	0	8	4	6	2					
1023+50.00	87	57	8	31	57	1			1	1	56	0	0	8	4	7	2					
1023+75.00	93	62	13	31	62	1			1	2	60	0	0	13	13	20	-8					
1024+00.00	81	50	7	31	50	1			1	1	50	0	0	7	9	14	-7					
1024+25.00	70	39	0	31	39	0			0	0	39	0	0	0	0	0	0					
1024+50.00	71	40	0	31	40	0			0	0	40	0	0	0	0	0	0					
1024+75.00	80	50	6	31	50	1			1	1	49	0	0	6	4	6	-1					
1025+00.00	89	57	12	31	57	1			1	2	56	0	0	12	9	13	-2					
1025+25.00	81	50	6	31	50	1			1	1	49	0	0	6	5	7	-1					
1025+50.00	82	50	7	31	50	1			1	2	49	0	0	7	5	8	-1					
1025+75.00	90	59	14	30	59	3			3	3	56	0	0	14	11	16	-2					
1026+00.00	92	60	14	30	60	3			3	3	57	0	0	14	11	17	-3					
1026+25.00	90	59	14	30	59	2			2	3	56	0	0	14	11	17	-3					
1026+50.00	86	55	10	31	55	3			3	3	52	0	0	10	9	13	-3					
1026+75.00	78	47	6	31	47	3			3	3	44	0	0	6	6	10	-4					
1027+00.00	72	39	6	31	39	3			3	4	35	0	0	6	6	9	-3					
1027+25.00	75	43	11	31	43	3			3	4	39	0	0	11	9	14	-4					
1027+50.00	79	48	14	30	48	4			4	4	44	0	0	14	13	19	-5					
1027+75.00	82	48	10	33	48	4			4	5	43	0	0	10	12	19	-9					
1028+00.00	87	50	6	36	50	4			4	5	45	0	0	6	12	19	-13					
Subtotals:	6,072	3,849	639	2,087	3,849	283	7	0	283	352	3,500	0	0	639	584	879	-242					

PROJECT NO.: STBG-SWAP-1185(657)--SG-07
PROJECT DATE: 11/15/2022
CAD DATE: 8/24/2022 2:47 PM
CAD FILE: c:\pw_workdir\pw_ie\rdp3\d0518369\MainFinal T Sheets.xlsm

DESIGNED BY: C.CARPER
CHECKED BY: C.CARPER
DRAWN BY: R.PLATNER

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

EARTHWORK

SHEET NO.
T.2
STBG-SWAP-1185(6

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

Station	Cut					Fill						Checks (EW-102)		Topsoil								
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Existing Pavement Undercut (+Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.23 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.5 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink					
1028+00.00	84	51	8	33	51	2			2	2	49	0	0	8	9	14	-6					
1028+25.00	85	52	5	33	52	2			2	3	49	0	0	5	5	8	-3					
1028+50.00	91	57	6	33	57	3			3	4	53	0	0	6	8	12	-7					
1028+75.00	89	59	9	30	59	1			1	2	58	0	0	9	8	13	-3					
1029+00.00	93	63	11	30	63	0			0	0	62	0	0	11	9	13	-2					
1029+25.00	98	65	12	32	65	0			0	0	65	0	0	12	11	16	-5					
1029+50.00	94	60	8	33	60	0			0	0	60	0	0	8	8	12	-5					
1029+75.00	92	58	6	34	58	1			1	1	57	0	0	6	7	11	-5					
1030+00.00	96	61	7	34	61	1			1	1	60	0	0	7	9	13	-6					
1030+25.00	97	62	10	33	62	2			2	2	60	0	0	10	8	13	-3					
1030+50.00	94	58	11	33	58	5			5	7	51	0	0	11	10	15	-4					
1030+75.00	92	57	13	32	57	9			9	11	46	0	0	13	14	21	-8					
1031+00.00	87	54	10	30	54	8			8	9	45	0	0	10	11	17	-7					
1031+25.00	81	51	5	29	51	4			4	5	46	0	0	5	7	10	-6					
1031+50.00																						
MainSt2 Totals:	7,432	4,706	765	2,574	4,706	328	7	0	328	407	4,303	0	0	765	721	1,085	-323					
MainSt3																						
1034+50.00	118	81	3	37	81	2			2	3	79	0	0	3	15	22	-20					
1034+75.00	118	81	3	37	81	2			2	3	78	0	0	3	12	18	-15					
1035+00.00	127	85	4	42	85	2			2	3	82	0	0	4	15	23	-18					
1035+25.00	121	83	5	39	83	2			2	2	81	0	0	5	13	19	-15					
1035+50.00	115	80	5	35	80	1			1	1	79	0	0	5	8	12	-7					
1035+75.00	119	81	9	38	81	2			2	3	78	0	0	9	18	27	-18					
1036+00.00	118	79	8	38	79	3			3	4	75	0	0	8	18	28	-19					
1036+25.00	109	75	2	33	75	1			1	2	73	0	0	2	4	6	-4					
1036+50.00	117	80	4	36	80	1			1	2	79	0	0	4	9	13	-9					
1036+75.00	132	90	8	41	90	2			2	3	87	0	0	8	15	22	-14					
1037+00.00	130	92	6	38	92	1			1	1	91	0	0	6	9	13	-7					
1037+25.00	132	94	6	38	94	1			1	1	93	0	0	6	10	15	-9					
1037+50.00	141	99	10	41	99	3			3	4	95	0	0	10	14	22	-12					
1037+75.00	142	99	11	40	99	5			5	6	94	0	0	11	13	20	-10					
1038+00.00	144	101	11	39	101	7			7	8	93	0	0	11	13	20	-10					
1038+25.00	147	104	13	39	104	8			8	9	94	0	0	13	16	24	-11					
1038+50.00	147	105	14	38	105	8			8	10	96	0	0	14	16	24	-11					
1038+75.00	145	104	13	37	104	8			8	10	94	0	0	13	15	22	-9					
1039+00.00	138	99	15	36	99	6			6	7	92	0	0	15	16	23	-9					
1039+25.00	114	80	8	33	80	2			2	2	78	0	0	8	8	12	-4					
1039+50.00	93	63	0	31	63	0			0	0	63	0	0	0	0	0	0					
1039+75.00	86	55	0	31	55	0			0	0	56	0	0	0	0	0	0					
1040+00.00	88	54	2	33	54	2			2	3	51	0	0	2	8	13	-10					
1040+25.00	93	56	9	34	56	5			5	6	51	0	0	9	15	22	-13					
1040+50.00	90	56	13	32	56	5			5	6	50	0	0	13	13	19	-6					
1040+75.00	91	56	15	32	56	5			5	6	50	0	0	15	14	21	-6					
1041+00.00	91	57	15	32	57	4			4	5	51	0	0	15	14	21	-6					
1041+25.00	90	57	15	32	57	3			3	4	53	0	0	15	14	20	-6					
1041+50.00	92	58	16	32	58	4			4	5	54	0	0	16	14	22	-6					
1041+75.00	93	59	16	32	59	3			3	4	56	0	0	16	15	22	-6					
1042+00.00	95	62	16	32	62	2			2	3	59	0	0	16	15	22	-6					
1042+25.00	99	64	14	34	64	2			2	3	61	0	0	14	13	20	-6					
1042+50.00	87	55	6	31	55	1			1	2	54	0	0	6	6	8	-3					
1042+75.00	73	46	0	27	46	0			0	0	46	0	0	0	0	0	0					
1043+00.00	73	46	0	27	46	0			0	0	46	0	0	0	0	0	0					
1043+25.00	83	52	9	30	52	0			0	0	53	0	0	9	13	20	-11					
1043+50.00	94	61	16	32	61	3			3	4	57	0	0	16	21	31	-15					
1043+75.00	99	65	15	31	65	5			5	6	59	0	0	15	14	22	-6					
1044+00.00	105	72	15	32	72	3			3	3	69	0	0	15	14	21	-6					
1044+25.00	114	78	11	35	78	1			1	1	77	0	0	11	13	19	-9					
1044+50.00	114	79	8	35	79	0			0	1	78	0	0	8	9	14	-7					
1044+75.00	114	82	11	32	82	0			0	0	82	0	0	11	11	16	-5					
1045+00.00	122	89	15	33	89	0			0	0	89	0	0	15	15	22	-7					
1045+25.00	123	90	15	33	90	0			0	0	90	0	0	15	15	22	-7					
1045+50.00	125	91	14	34	91	0			0	0	91	0	0	14	13	20	-6					
1045+75.00	126	92	12	35	92	0			0	0	92	0	0	12	12	18	-5					
1046+00.00	115	82	6	33	82	0			0	0	82	0	0	6	6	8	-3					
1046+25.00																						

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

Station	Cut					Fill						Checks (EW-102)		Topsoil								
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Existing Pavement Undercut (+Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.23 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.5 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink					
1046+25.00	103	72	0	31	72	0			0	0	72	0	0	0	0	0	0					
1046+50.00	99	68	0	31	68	0			0	0	68	0	0	0	0	0	0					
1046+75.00	103	69	5	33	69	4			4	4	64	0	0	5	8	12	-7					
1047+00.00	111	73	13	35	73	10			10	12	61	0	0	13	15	23	-11					
1047+25.00	110	71	14	34	71	9			9	12	59	0	0	14	15	22	-8					
1047+50.00	107	70	14	34	70	5			5	6	64	0	0	14	15	23	-9					
1047+75.00	107	70	14	34	70	5			5	6	64	0	0	14	15	23	-9					
1048+00.00	109	69	14	35	69	11			11	14	56	0	0	14	15	22	-8					
1048+25.00	110	70	15	35	70	19			19	24	46	0	0	15	16	24	-8					
1048+50.00	111	70	15	35	70	20			20	24	46	0	0	15	16	24	-8					
1048+75.00	111	70	15	35	70	18			18	22	48	0	0	15	15	23	-8					
1049+00.00	110	69	15	34	69	18			18	23	47	0	0	15	16	25	-10					
1049+25.00	97	61	8	32	61	9			9	11	51	0	0	8	9	13	-6					
1049+50.00	85	54	0	31	54	0			0	0	54	0	0	0	0	0	0					
1049+75.00	80	49	0	31	49	0			0	0	49	0	0	0	0	0	0					
1050+00.00	84	47	7	32	47	14	2		14	17	30	0	0	7	8	12	-6					
1050+25.00	91	50	12	33	50	26	4		26	32	18	0	0	12	13	20	-8					
1050+50.00	96	55	11	33	55	24	4		24	29	26	0	0	11	14	20	-9					
1050+75.00	100	60	12	33	60	22	3		22	27	33	0	0	12	15	23	-11					
1051+00.00	104	68	12	31	68	18			18	22	46	0	0	12	14	22	-10					
1051+25.00																						
MainSt3 Totals:	7,272	4,853	637	2,280	4,853	346	13	0	346	429	4,429	0	0	637	770	1,158	-524					
MainSt4																						
1054+25.00	90	58	5	30	58	11			11	14	44	0	0	5	4	6	-1					
1054+50.00	103	71	7	32	71	3			3	3	67	0	0	7	6	10	-2					
1054+75.00	129	94	13	35	94	1			1	1	93	0	0	13	13	19	-6					
1055+00.00	143	107	15	36	107	0			0	0	108	0	0	15	13	20	-6					
1055+25.00	144	108	14	36	108	0			0	0	108	0	0	14	13	20	-5					
1055+50.00	134	100	11	34	100	0			0	0	100	0	0	11	11	17	-6					
1055+75.00	131	96	10	35	96	0			0	0	96	0	0	10	12	17	-7					
1056+00.00	136	100	14	36	100	0			0	0	100	0	0	14	16	24	-10					
1056+25.00	123	89	7	33	89	0			0	0	89	0	0	7	8	12	-5					
1056+50.00	111	81	0	31	81	0			0	0	81	0	0	0	0	0	0					
1056+75.00	107	77	0	31	77	0			0	0	77	0	0	0	0	0	0					
1057+00.00	112	79	7	33	79	0			0	0	79	0	0	7	8	12	-5					
1057+25.00	125	89	14	35	89	0			0	1	89	0	0	14	15	22	-8					
1057+50.00	131	95	13	35	95	1			1	1	94	0	0	13	12	19	-6					
1057+75.00	135	97	10	38	97	2			2	2	95	0	0	10	10	15	-5					
1058+00.00	134	95	9	39	95	1			1	2	93	0	0	9	9	14	-5					
1058+25.00	129	92	12	36	92	1			1	2	91	0	0	12	10	15	-4					
1058+50.00	124	88	13	35	88	2			2	3	86	0	0	13	11	17	-4					
1058+75.00	122	86	14	35	86	3			3	4	82	0	0	14	12	18	-5					
1059+00.00	119	82	14	34	82	5			5	6	76	0	0	14	13	19	-5					
1059+25.00	113	76	14	34	76	6			6	7	69	0	0	14	13	19	-6					
1059+50.00	99	65	7	32	65	3			3	4	61	0	0	7	7	10	-3					
1059+75.00	87	56	0	31	56	0			0	0	56	0	0	0	0	0	0					
1060+00.00	84	53	0	31	53	0			0	0	53	0	0	0	0	0	0					
1060+25.00	88	54	5	33	54	2			2	3	51	0	0	5	6	10	-4					
1060+50.00	93	57	9	34	57	4			4	5	52	0	0	9	10	15	-6					
1060+75.00	98	61	9	34	61	5			5	6	55	0	0	9	9	14	-5					
1061+00.00	106	69	12	35	69	5			5	6	62	0	0	12	11	17	-5					
1061+25.00	108	71	13	34	71	4			4	5	66	0	0	13	12	18	-5					
1061+50.00	104	69	10	34	69	3			3	4	65	0	0	10	9	14	-4					
1061+75.00	105	69	10	34	69	3			3	3	66	0	0	10	9	14	-4					
1062+00.00	109	73	12	35	73	3			3	4	69	0	0	12	11	17	-5					
1062+25.00	112	76	11	36	76	2			2	3	73	0	0	11	10	15	-4					
1062+50.00	114	77	11	37	77	1			1	2	75	0	0	11	9	14	-4					
1062+75.00	113	74	14	39	74	1			1	1	73	0	0	14	11	17	-3					
1063+00.00	106	70	8	36	70	0			0	0	70	0	0	8	6	10	-1					
1063+25.00	101	70	0	31	70	0			0	0	70	0	0	0	0	0	0					
1063+50.00	104	73	0	31	73	0			0	0	73	0	0	0	0	0	0					
1063+75.00	116	82	7	33	82	1			1	1	82	0	0	7	8	12	-5					
1064+00.00	123	88	15	35	88	2			2	2	86	0	0	15	16	25	-10					
1064+25.00	117	82	16	35	82	2			2	3	79	0	0	16	17	26	-10					
1064+50.00																						

PROJECT NO.: STBG-SWAP-1185(657)--SG-07
PROJECT DATE: 11/15/2022
CAD DATE: 8/24/2022 2:47 PM
CAD FILE: c:\pw_workdir\pw_ie\rdp3\d0518369\MainFinal T Sheets.xlsm

DESIGNED BY: C.CARPER
CHECKED BY: C.CARPER
DRAWN BY: R.PLATNER

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

EARTHWORK

SHEET NO.
T.4

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

Item 20.

Station	Cut					Fill						Checks (EW-102)		Topsoil								
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Existing Pavement Undercut (+Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.23 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.5 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink					
1064+50.00	119	84	18	35	84	2			2	3	82	0	0	18	19	29	-11					
1064+75.00	115	80	12	35	80	1			1	1	79	0	0	12	14	22	-9					
1065+00.00	111	75	9	35	75	1			1	2	73	0	0	9	11	17	-8					
1065+25.00	114	77	13	35	77	3			3	3	74	0	0	13	14	22	-9					
1065+50.00	109	74	10	34	74	2			2	2	72	0	0	10	11	16	-6					
1065+75.00	111	76	10	34	76	1			1	1	75	0	0	10	10	16	-6					
1066+00.00	124	85	9	38	85	1			1	2	83	0	0	9	12	19	-9					
1066+25.00	119	82	6	37	82	2			2	2	79	0	0	6	9	14	-8					
1066+50.00	104	72	3	31	72	1			1	2	71	0	0	3	3	5	-2					
1066+75.00	101	70	0	31	70	0			0	0	70	0	0	0	0	0	0					
1067+00.00	112	77	7	33	77	4			4	5	72	0	0	7	8	12	-5					
1067+25.00	127	88	14	36	88	7			7	8	79	0	0	14	15	22	-8					
1067+50.00	126	89	10	36	89	3			3	4	85	0	0	10	10	16	-5					
1067+75.00	122	86	7	35	86	1			1	1	85	0	0	7	6	9	-3					
1068+00.00	126	89	10	36	89	1			1	2	88	0	0	10	9	13	-3					
1068+25.00	129	92	13	36	92	1			1	2	90	0	0	13	12	18	-5					
1068+50.00	128	90	13	36	90	1			1	2	89	0	0	13	12	18	-5					
1068+75.00	127	89	11	37	89	2			2	3	87	0	0	11	12	18	-7					
1069+00.00	123	86	11	36	86	3			3	4	83	0	0	11	13	19	-8					
1069+25.00	118	81	11	36	81	3			3	3	78	0	0	11	14	21	-10					
1069+50.00	105	70	5	34	70	1			1	2	69	0	0	5	8	11	-6					
1069+75.00	97	66	0	31	66	0			0	0	66	0	0	0	0	0	0					
1070+00.00	102	71	0	31	71	0			0	0	72	0	0	0	0	0	0					
1070+25.00	118	83	4	35	83	0			0	1	82	0	0	4	6	8	-4					
1070+50.00	131	91	8	39	91	1			1	1	91	0	0	8	11	17	-9					
1070+75.00	131	91	8	40	91	0			0	1	90	0	0	8	11	17	-9					
1071+00.00	118	83	4	35	83	0			0	0	82	0	0	4	6	8	-5					
1071+25.00	111	79	4	33	79	0			0	0	79	0	0	4	4	7	-3					
1071+50.00	121	85	11	35	85	1			1	1	85	0	0	11	13	20	-8					
1071+75.00	124	85	12	38	85	1			1	1	84	0	0	12	15	23	-11					
1072+00.00	118	76	10	41	76	0			0	1	76	0	0	10	12	17	-8					
1072+25.00	106	68	8	38	68	1			1	1	67	0	0	8	9	14	-5					
1072+50.00	106	67	8	38	67	1			1	2	65	0	0	8	6	9	-1					
1072+75.00	98	61	5	36	61	1			1	1	60	0	0	5	2	3	2					
1073+00.00	81	52	0	29	52	0			0	0	52	0	0	0	0	0	0					
1073+25.00	82	53	0	29	53	0			0	0	53	0	0	0	0	0	0					
1073+50.00	100	65	0	35	65	1			1	1	64	0	0	0	0	0	0					
1073+75.00	23	15	0	8	15	0			0	1	15	0	0	0	0	0	0					
1073+80.00																						
MainSt4 Totals:	8,918	6,153	670	2,708	6,153	126	0	0	126	159	5,999	0	0	670	690	1,038	-372					
SeerleyBlvdW																						
242+24.06	2	2	0	1	2	0			0	0	2	0	0	0	0	1	0					
242+25.00	66	45	8	21	45	2			2	2	43	0	0	8	9	13	-5					
242+50.00	88	64	12	24	64	3			3	4	59	0	0	12	12	18	-6					
242+75.00																						
SeerleyBlvdW Totals:	156	111	21	46	111	6	0	0	6	7	104	0	0	21	21	32	-11					
Seerley Roundabout	3,449	2,523	188	738	2,523	889			889	1,093	1,430			113	268	402	-289					
SeerleyBlvdE																						
245+50.00	236	196	19	25	196	75	9		75	92	104	0	0	19	11	17	2					
245+75.00	164	127	14	28	127	37	4		37	45	82	0	0	14	10	15	-1					
246+00.00	104	72	11	27	72	16			16	20	52	0	0	11	7	10	1					
246+25.00	81	53	10	26	53	10			10	12	41	0	0	10	1	2	8					
246+50.00	71	42	10	27	42	7			7	8	34	0	0	10	2	3	8					
246+75.00	4	2	1	1	2	0			0	0	2	0	0	1	0	0	0					
246+77.64																						
SeerleyBlvdE Totals:	659	494	66	135	494	145	14	0	145	178	316	0	0	66	32	48	18					

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DESIGNED BY: C.CARPER
CHECKED BY: C.CARPER
DRAWN BY: R.PLATNER

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

EARTHWORK

SHEET NO.
T.5
STBG-SWAP-1185(6

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

Item 20.

Station	Cut					Fill						Checks (EW-102)		Topsoil								
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Existing Pavement Undercut (+Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.23 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.5 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink					
22ndW																						
221+04.00	79	66	14	13	66	5			5	6	60	0	0	14	20	31	-17					
221+25.00	121	100	21	21	100	5			5	6	94	0	0	21	23	34	-14					
221+50.00	133	103	12	30	103	2			2	3	100	0	0	12	12	19	-6					
221+75.00																						
22ndW Totals:	333	269	47	65	269	13	0	0	13	16	254	0	0	47	56	84	-38					
22ndE																						
222+25.00	91	57	7	33	57	0			0	1	57			7	7	10	-4					
222+50.00	7	6	1	1	6	0			0	0	6			1	1	2	-1					
222+53.00																						
22ndE Totals:	98	64	8	35	64	1	0	0	1	1	63	0	0	8	8	12	-5					
21stW																						
211+35.00	42	26	2	16	26	3			3	4	22			2	3	5	-3					
211+50.00	72	42	3	30	42	8			8	10	32			3	3	4	-1					
211+75.00																						
21stW Totals:	115	69	5	46	69	12	0	0	12	14	55	0	0	5	6	9	-5					
21stE																						
212+25.00	102	70	6	32	70	0			0	0	70	0	0	6	7	11	-5					
212+50.00	96	69	6	27	69	3			3	4	66	0	0	6	7	11	-5					
212+75.00	44	25	2	18	25	2			2	3	23	0	0	2	3	4	-2					
212+92.52																						
21stE Totals:	242	165	15	78	165	5	0	0	5	7	159	0	0	15	18	27	-12					
20thW																						
201+35.00	25	12	6	12	12	2			2	3	10			6	5	8	-2					
201+50.00	73	46	7	25	46	9			9	11	35			7	9	13	-7					
201+75.00																						
20thW Totals:	99	59	13	38	59	12	0	0	12	14	45	0	0	13	15	22	-9					
20thE																						
202+25.00	85	54	10	31	54	0			0	0	54	0	0	10	9	14	-4					
202+50.00	75	53	13	21	53	0			0	1	53	0	0	13	13	20	-7					
202+75.00	69	47	12	21	47	2			2	2	44	0	0	12	12	18	-7					
203+00.00	39	25	9	13	25	1			1	2	23	0	0	9	9	14	-5					
203+15.00																						
20thE Totals:	268	180	44	87	180	4	0	0	4	5	175	0	0	44	44	66	-23					
18thW																						
601+20.66	7	4	0	4	4	0			0	0	3	0	0	0	1	2	-2					
601+25.00	62	40	3	22	40	1			1	2	38	0	0	3	8	12	-9					
601+50.00	63	38	12	25	38	1			1	1	37	0	0	12	16	24	-12					
601+75.00	65	40	11	25	40	0			0	0	40	0	0	11	14	21	-10					
602+00.00	75	48	12	28	48	1			1	1	47	0	0	12	16	24	-12					
602+25.00	97	64	17	33	64	2			2	3	61	0	0	17	24	36	-20					
602+50.00	109	76	13	33	76	4			4	5	71	0	0	13	22	34	-21					
602+75.00	111	77	14	34	77	7			7	9	69	0	0	14	20	31	-17					
603+00.00	116	81	14	35	81	9			9	12	70	0	0	14	19	29	-15					
603+25.00	123	87	14	37	87	9			9	12	75	0	0	14	21	32	-18					
603+50.00																						
18thW Totals:	829	554	110	276	554	36	0	0	36	44	511	0	0	110	163	244	-135					

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DESIGNED BY: C.CARPER
CHECKED BY: C.CARPER
DRAWN BY: R.PLATNER

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

EARTHWORK

SHEET NO.
T.6
STBG-SWAP-1185(6

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

Station	Cut					Fill						Checks (EW-102)		Topsoil								
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Existing Pavement Undercut (+Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.23 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.5 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink					
18th Roundabout	2,561	1,576	160	826	1,576	309			309	380	1,196			32	224	336	-304					
18thE																						
801+25.00	91	60	9	28	60	18			18	22	38	0	0	9	16	25	-16					
801+50.00	84	49	15	27	49	25	0		25	31	18	0	0	15	23	35	-19					
801+75.00	74	45	16	25	45	21			21	26	19	0	0	16	23	35	-19					
802+00.00	70	45	15	24	45	15			15	19	26	0	0	15	22	33	-18					
802+25.00	65	39	11	25	39	19			19	23	16	0	0	11	26	39	-27					
802+50.00	58	33	5	24	33	15			15	19	14	0	0	5	16	25	-20					
802+75.00	59	36	10	22	36	14			14	18	18	0	0	10	18	27	-17					
803+00.00	66	41	16	22	41	20			20	24	16	0	0	16	26	39	-23					
803+25.00	69	42	16	25	42	15			15	18	24	0	0	16	26	39	-23					
803+50.00	115	68	8	47	68	5			5	6	62	0	0	8	14	21	-13					
803+75.00	105	62	0	43	62	0			0	0	63	0	0	0	0	0	0					
803+96.03																						
18thE Totals:	858	521	122	312	521	168	1	0	168	207	315	0	0	122	211	316	-195					
17th																						
171+10.00	25	12	6	12	12	3			3	4	8	0	0	6	4	6	0					
171+25.00	70	48	12	20	48	7			7	9	40	0	0	12	15	23	-11					
171+50.00	107	76	6	31	76	1			1	2	75	0	0	6	9	13	-7					
171+75.00																						
17th Totals:	203	137	25	64	137	12	0	0	12	15	123	0	0	25	29	43	-18					
16thW																						
161+34.45	34	23	13	12	23	2			2	2	20			13	11	17	-3					
161+50.00	81	52	11	29	52	0			0	0	52			11	11	17	-6					
161+75.00																						
16thW Totals:	116	75	25	42	75	2	0	0	2	3	73	0	0	25	23	34	-9					
16thE																						
162+25.00	86	59	7	27	59	0			0	0	59			7	8	11	-5					
162+50.00	25	18	4	8	18	0			0	0	18			4	5	7	-4					
162+60.00																						
16thE Totals:	111	77	11	35	77	0	0	0	0	0	77	0	0	11	13	19	-9					
15thW																						
151+10.00	27	13	8	13	13	3			3	4	9	0	0	8	4	7	2					
151+25.00	67	44	16	21	44	7			7	9	35	0	0	16	19	28	-13					
151+50.00	90	58	8	32	58	2			2	3	55	0	0	8	11	17	-9					
151+75.00																						
15thW Totals:	184	115	33	66	115	13	0	0	13	16	100	0	0	33	35	52	-20					
15thE																						
152+25.00	87	56	10	29	56	2			2	3	54			10	9	13	-4					
152+50.00	25	12	10	13	12	1			1	2	10			10	5	8	2					
152+65.00																						
15thE Totals:	113	68	20	43	68	4	0	0	4	5	64	0	0	20	14	22	-2					

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

Item 20.

Station	Cut					Fill						Checks (EW-102)		Topsoil								
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Existing Pavement Undercut (+Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.23 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.5 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink					
14thW																						
141+02.00	37	21	11	16	21	2			2	3	18	0	0	11	5	8	3					
141+25.00	82	65	11	18	65	4			4	5	60	0	0	11	18	27	-16					
141+50.00	116	87	5	29	87	1			1	2	85	0	0	5	13	19	-14					
141+75.00																						
14thW Totals:	236	173	27	63	173	8	0	0	8	10	164	0	0	27	36	54	-28					
14thE																						
142+25.00	105	69	4	35	69	2			2	2	67			4	6	10	-6					
142+50.00	59	35	7	23	35	3			3	4	31			7	9	13	-7					
142+71.17																						
14thE Totals:	165	104	12	59	104	5	0	0	5	7	98	0	0	12	16	24	-13					
13thW																						
130+87.50	33	22	7	11	22	4			4	5	17	0	0	7	7	10	-3					
131+00.00	76	52	16	20	52	10			10	13	40	0	0	16	16	23	-7					
131+25.00	85	62	20	21	62	7			7	9	53	0	0	20	18	27	-7					
131+50.00	105	73	11	32	73	2			2	2	71	0	0	11	9	14	-3					
131+75.00																						
13thW Totals:	299	210	54	84	210	24	0	0	24	30	181	0	0	54	50	75	-21					
13thE																						
132+25.00	80	46	7	32	46	4			4	5	41			7	10	15	-8					
132+50.00	69	41	13	24	41	6			6	7	34			13	18	27	-13					
132+75.00																						
13thE Totals:	150	88	21	56	88	11	0	0	11	13	76	0	0	21	28	42	-22					
12thW																						
622+08.96	47	30	8	16	30	5			5	6	25	0	0	8	7	11	-3					
622+25.00	71	45	12	25	45	8			8	10	36	0	0	12	11	17	-5					
622+50.00	70	44	12	25	44	8			8	10	34	0	0	12	12	18	-6					
622+75.00	82	51	14	30	51	6			6	7	44	0	0	14	13	19	-5					
623+00.00	112	84	12	28	84	3			3	4	80	0	0	12	11	16	-4					
623+25.00	130	104	4	27	104	2			2	2	102	0	0	4	4	6	-2					
623+50.00	181	153	9	28	153	2			2	2	151	0	0	9	11	16	-8					
623+75.00																						
12thW Totals:	694	512	72	179	512	33	0	0	33	41	471	0	0	72	69	103	-32					
12th Roundabout	3,025	2,212	226	586	2,212	400			400	492	1,720			38	273	410	-372					

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

Station	Cut					Fill						Checks (EW-102)		Topsoil								
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Existing Pavement Undercut (+Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.23 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.5 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink					
12thE																						
826+50.00	29	9	10	15	9	45	0	0	45	55	-46	0	0	139	104	156	-17					
826+75.00	45	17	9	20	17	60	6	0	60	73	-56	0	0	9	20	31	-22					
827+00.00	52	24	8	21	24	32	5		32	39	-15	0	0	8	14	21	-13					
827+25.00	63	32	9	26	32	12	1		12	15	17	0	0	9	11	16	-8					
827+50.00	72	38	10	31	38	8			8	10	28	0	0	10	13	19	-9					
827+75.00	70	40	10	30	40	8			8	10	29	0	0	10	13	20	-9					
828+00.00	69	39	12	28	39	14			14	17	22	0	0	12	14	21	-9					
828+25.00	113	75	10	36	75	13			13	16	59	0	0	10	12	19	-9					
828+50.00	115	73	6	40	73	12			12	15	58	0	0	6	11	16	-10					
828+75.00	54	28	5	25	28	10			10	13	15	0	0	5	10	15	-10					
829+00.00	37	22	5	14	22	7			7	9	13	0	0	5	8	13	-8					
829+25.00	40	23	5	15	23	5			5	6	17	0	0	5	7	11	-6					
829+50.00	18	10	2	7	10	2			2	2	8	0	0	2	3	4	-2					
829+71.65																						
12thE Totals:	776	431	102	309	431	228	13	1	228	281	151	0	0	102	150	226	-126					
11thW																						
111+21.75	10	7	1	3	7	2			2	2	5	0	0	1	2	3	-2					
111+25.00	79	53	14	25	53	8			8	10	43	0	0	14	14	21	-7					
111+50.00	117	82	7	35	82	1			1	2	80	0	0	7	7	11	-3					
111+75.00																						
11thW Totals:	207	143	23	64	143	12	0	0	12	15	129	0	0	23	23	35	-12					
11thE																						
112+25.00	80	51	10	29	51	0			0	1	51	0	0	10	10	15	-5					
112+50.00	57	36	18	18	36	3			3	4	32	0	0	18	18	27	-9					
112+75.00	14	6	6	7	6	1			1	2	5	0	0	6	3	5	2					
112+84.35																						
11thE Totals:	151	95	35	53	95	5	0	0	5	7	89	0	0	35	32	47	-14					
10thW																						
101+25.00	38	23	14	13	23	8			8	9	14			14	7	11	3					
101+50.00	83	48	7	34	48	8			8	9	38			7	7	11	-4					
101+75.00																						
10thW Totals:	122	71	22	48	71	15	0	0	15	19	53	0	0	22	15	22	-1					
10thE																						
102+25.00	80	50	8	30	50	1			1	2	48			8	8	12	-4					
102+50.00	38	25	7	12	25	1			1	1	24			7	9	14	-7					
102+65.00																						
10thE Totals:	119	75	16	42	75	3	0	0	3	3	72	0	0	16	18	27	-12					
9thW																						
91+31.25	32	15	5	18	15	0			0	0	15			5	3	5	0					
91+50.00	87	53	4	34	53	0			0	0	53			4	4	6	-2					
91+75.00																						
9thW Totals:	120	68	10	52	68	0	0	0	0	0	68	0	0	10	8	11	-2					
9thE																						
92+25.00	115	79	8	36	79	1			1	1	78			8	7	10	-3					
92+50.00	65	54	9	11	54	1			1	1	53			9	11	17	-8					
92+70.00																						
9thE Totals:	180	133	17	48	133	2	0	0	2	2	131	0	0	17	19	28	-11					

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

Item 20.

Station	Cut					Fill						Checks (EW-102)		Topsoil								
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Existing Pavement Undercut (+Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.23 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.5 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink					
8thW																						
81+35.00	46	38	5	8	38	6			6	7	31			5	8	12	-7					
81+50.00	98	63	6	35	63	4			4	5	58			6	7	11	-5					
81+75.00																						
8thW Totals:	145	101	11	43	101	10	0	0	10	12	90	0	0	11	15	22	-12					
8thE																						
85+25.00	79	56	6	23	56	1			1	1	55			6	5	7	-1					
85+50.00	64	51	9	13	51	1			1	1	50			9	10	15	-6					
85+75.00																						
8thE Totals:	143	107	15	36	107	2	0	0	2	2	105	0	0	15	15	23	-8					
7thW																						
71+36.50	40	26	9	12	26	6			6	8	18			9	7	11	-2					
71+50.00	97	62	9	34	62	4			4	6	56			9	9	13	-4					
71+75.00																						
7thW Totals:	137	88	18	47	88	11	0	0	11	14	75	0	0	18	16	24	-7					
7thE																						
72+25.00	109	73	3	36	73	0			0	0	73			3	5	8	-5					
72+50.00	6	4	0	2	4	0			0	0	4			0	1	1	-1					
72+52.00																						
7thE Totals:	115	77	4	38	77	1	0	0	1	1	77	0	0	4	6	9	-6					
6thW																						
61+18.00	24	18	0	6	18	3			3	4	14	0	0	0	0	0	0					
61+25.00	83	60	2	23	60	9			9	11	49	0	0	2	1	2	0					
61+50.00	102	68	2	35	68	3			3	4	64	0	0	2	1	2	0					
61+75.00																						
6thW Totals:	210	147	4	64	147	16	0	0	16	20	128	0	0	4	3	5	-1					
6thE																						
65+25.00	66	44	3	21	44	1			1	2	43			3	3	5	-2					
65+50.00	13	7	1	6	7	0			0	1	7			1	1	2	-1					
65+60.00																						
6thE Totals:	80	52	5	27	52	2	0	0	2	3	50	0	0	5	5	7	-3					

PROJECT NO.: STBG-SWAP-1185(657)--SG-07
PROJECT DATE: 11/15/2022
CAD DATE: 8/24/2022 2:47 PM
CAD FILE: c:\pw_workdir\pw_jel\rdp3\d0518369\MainFinal T Sheets.xlsm

DESIGNED BY: C.CARPER
CHECKED BY: C.CARPER
DRAWN BY: R.PLATNER

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

EARTHWORK

SHEET NO.
T.10
STBG-SWAP-1185(6

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

Station	Cut					Fill						Checks (EW-102)		Topsoil								
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Existing Pavement Undercut (+Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.23 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.5 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink					
Summary:																						
MainSt1	2,378	1,427	139	935	1,427	47			47	59	1,370			139	104	156	-17					
MainSt2	7,432	4,706	765	2,574	4,706	328	7	0	328	407	4,303	0	0	765	721	1,085	-323					
MainSt3	7,272	4,853	637	2,280	4,853	346	13	0	346	429	4,429	0	0	637	770	1,158	-524					
MainSt4	8,918	6,153	670	2,708	6,153	126	0	0	126	159	5,999	0	0	670	690	1,038	-372					
SeerleyBlvdW	156	111	21	46	111	6	0	0	6	7	104	0	0	21	21	32	-11					
Seerley Roundabout	3,261	2,523	188	738	2,523	889			889	1,093	1,430			188	268	402	-214					
SeerleyBlvdE	659	494	66	135	494	145	14	0	145	178	316	0	0	66	32	48	18					
22ndW	333	269	47	65	269	13	0	0	13	16	254	0	0	47	56	84	-38					
22ndE	98	64	8	35	64	1	0	0	1	1	63	0	0	8	8	12	-5					
21stW	115	69	5	46	69	12	0	0	12	14	55	0	0	5	6	9	-5					
21stE	242	165	15	78	165	5	0	0	5	7	159	0	0	15	18	27	-12					
20thW	99	59	13	38	59	12	0	0	12	14	45	0	0	13	15	22	-9					
20thE	268	180	44	87	180	4	0	0	4	5	175	0	0	44	44	66	-23					
18thW	829	554	110	276	554	36	0	0	36	44	511	0	0	110	163	244	-135					
18th Roundabout	2,402	1,576	160	826	1,576	309			309	380	1,196			160	224	336	-176					
18thE	858	521	122	312	521	168	1	0	168	207	315	0	0	122	211	316	-195					
17th	203	137	25	64	137	12	0	0	12	15	123	0	0	25	29	43	-18					
16thW	116	75	25	42	75	2	0	0	2	3	73	0	0	25	23	34	-9					
16thE	111	77	11	35	77	0	0	0	0	0	77	0	0	11	13	19	-9					
15thW	184	115	33	66	115	13	0	0	13	16	100	0	0	33	35	52	-20					
15thE	113	68	20	43	68	4	0	0	4	5	64	0	0	20	14	22	-2					
14thW	236	173	27	63	173	8	0	0	8	10	164	0	0	27	36	54	-28					
14thE	165	104	12	59	104	5	0	0	5	7	98	0	0	12	16	24	-13					
13thW	299	210	54	84	210	24	0	0	24	30	181	0	0	54	50	75	-21					
13thE	150	88	21	56	88	11	0	0	11	13	76	0	0	21	28	42	-22					
12thW	694	512	72	179	512	33	0	0	33	41	471	0	0	72	69	103	-32					
12th Roundabout	2,798	2,212	226	586	2,212	400			400	492	1,720			226	273	410	-184					
12thE	776	431	102	309	431	228	13	1	228	281	151	0	0	102	150	226	-124					
11thW	207	143	23	64	143	12	0	0	12	15	129	0	0	23	23	35	-12					
11thE	151	95	35	53	95	5	0	0	5	7	89	0	0	35	32	47	-14					
10thW	122	71	22	48	71	15	0	0	15	19	53	0	0	22	15	22	-1					
10thE	119	75	16	42	75	3	0	0	3	3	72	0	0	16	18	27	-12					
9thW	120	68	10	52	68	0	0	0	0	0	68	0	0	10	8	11	-2					
9thE	180	133	17	48	133	2	0	0	2	2	131	0	0	17	19	28	-11					
8thW	145	101	11	43	101	10	0	0	10	12	90	0	0	11	15	22	-12					
8thE	143	107	15	36	107	2	0	0	2	2	105	0	0	15	15	23	-8					
7thW	137	88	18	47	88	11	0	0	11	14	75	0	0	18	16	24	-7					
7thE	115	77	4	38	77	1	0	0	1	1	77	0	0	4	6	9	-6					
6thW	210	147	4	64	147	16	0	0	16	20	128	0	0	4	3	5	-1					
6thE	80	52	5	27	52	2	0	0	2	3	50	0	0	5	5	7	-3					
Project Totals:	42,894	29,083	3,818	13,327	29,083	3,266	48	1	3,266	4,031	25,089			3,818	4,262	6,399	-2,612					

PROJECT NO.: STBG-SWAP-1185(657)--SG-07
PROJECT DATE: 11/15/2022
CAD DATE: 8/24/2022 2:47 PM
CAD FILE: c:\pw_workdir\pw_ie\rdp3\d0518369\MainFinal T Sheets.xlsm
DESIGNED BY: C.CARPER
CHECKED BY: C.CARPER
DRAWN BY: R.PLATNER

NO	DATE	BY	REVISION DESCRIPTION

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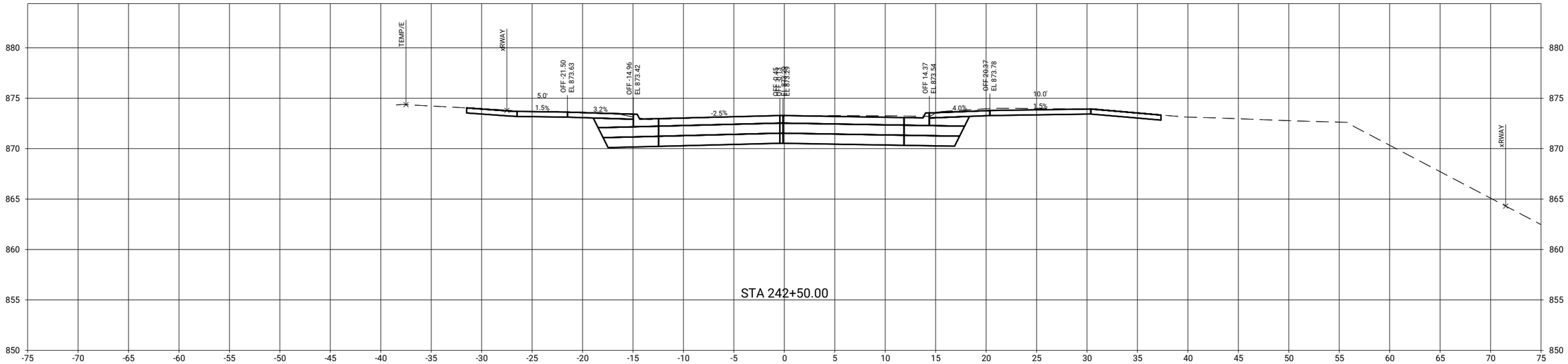
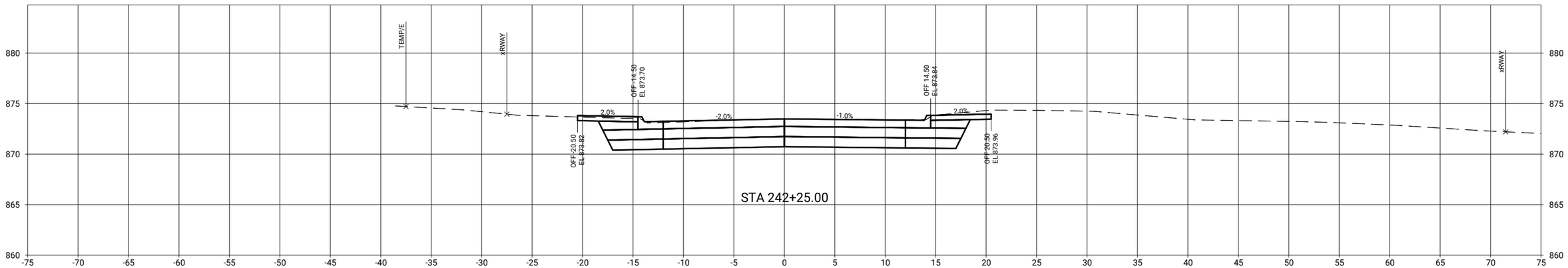
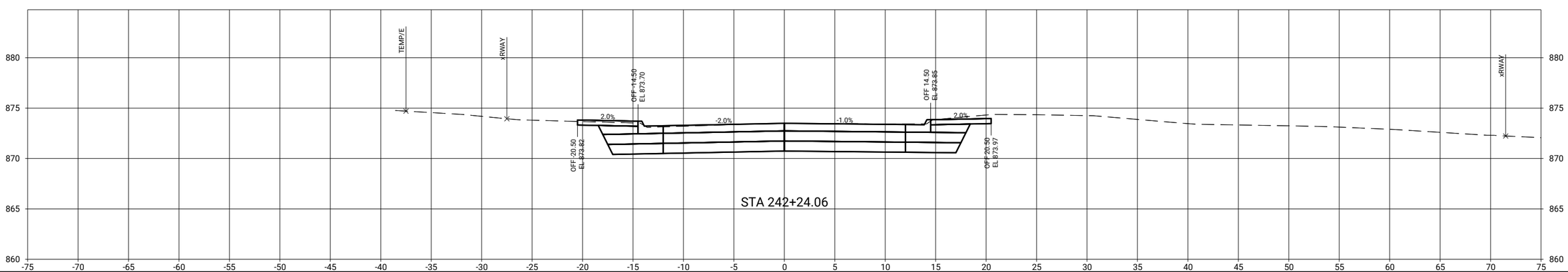
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

EARTHWORK

SHEET NO.
T.11
STBG-SWAP-1185(6







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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

SEERLEY BLVD
SIDE ROAD CROSS SECTIONS

SHEET NO.
X.1

STBG-SWAP-1185(657

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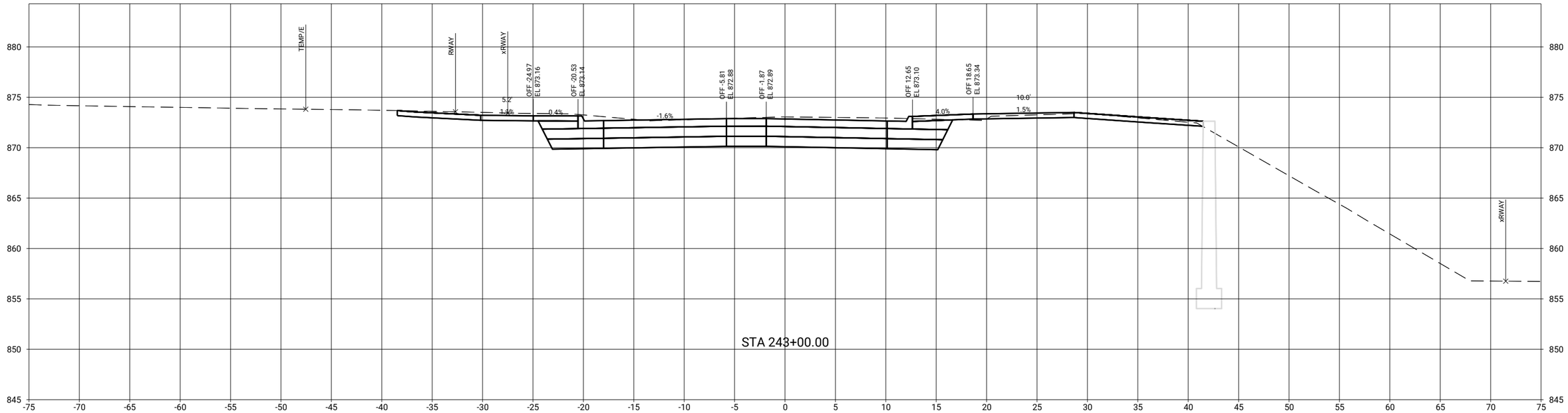

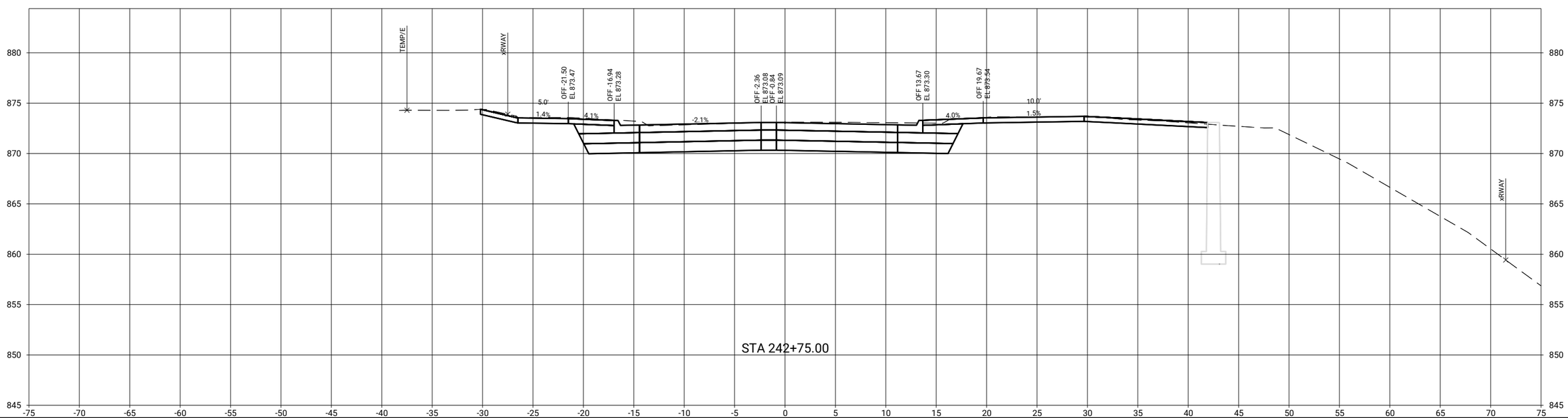

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

SEERLEY BLVD
SIDE ROAD CROSS SECTIONS

SHEET NO.
X.2
STBG-SWAP-1185(657

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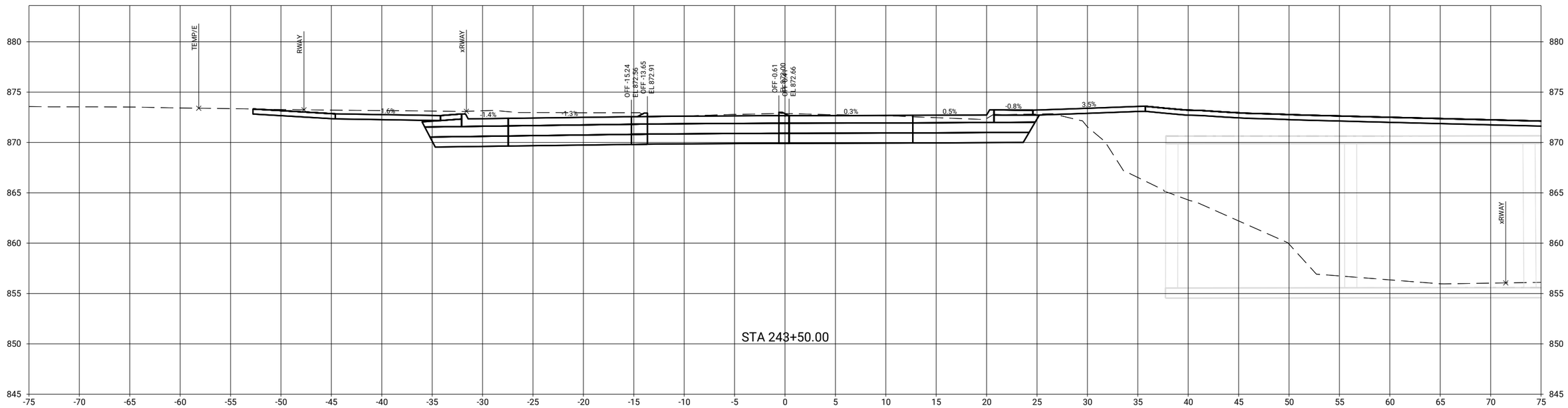

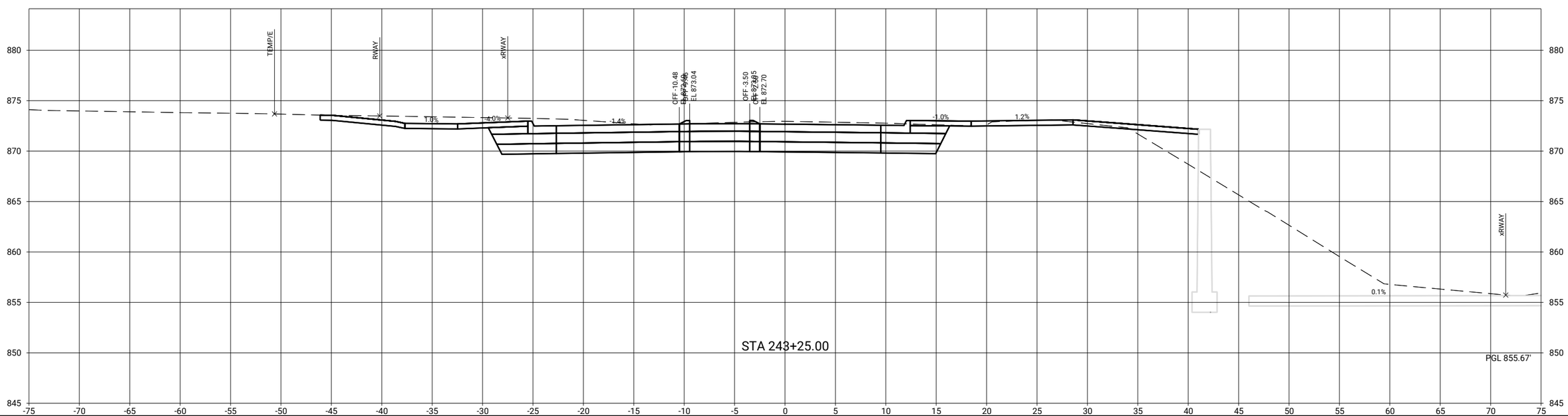

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07	FOTH PROJECT NO: 0021C017.02		
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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

SEERLEY BLVD
SIDE ROAD CROSS SECTIONS

SHEET NO.
X.3
STBG-SWAP-1185(657

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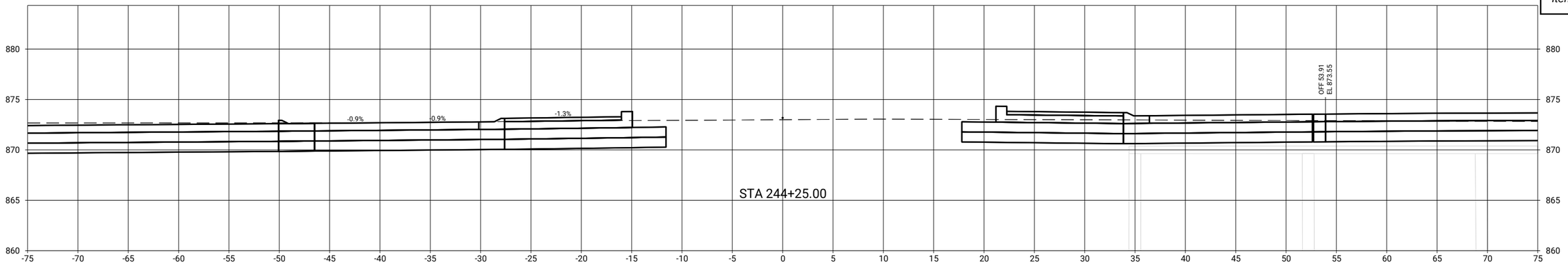

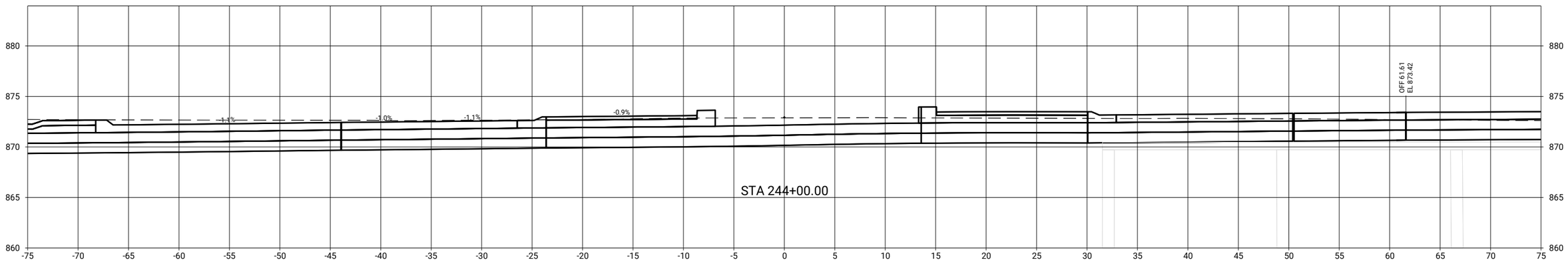

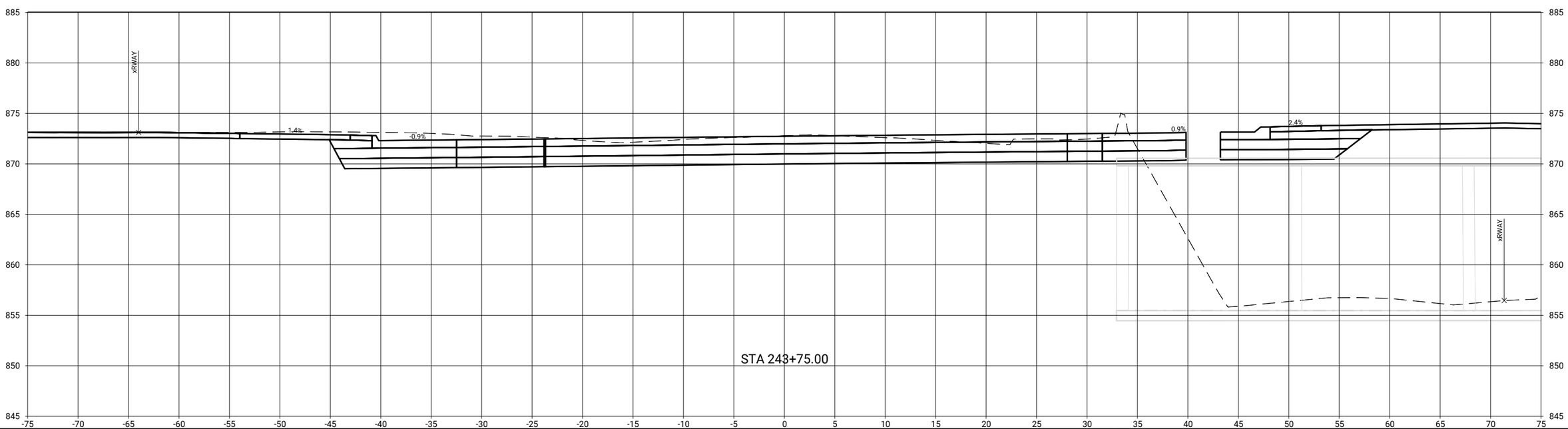

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

SEERLEY BLVD
SIDE ROAD CROSS SECTIONS

SHEET NO.
X.4
STBG-SWAP-1185(657

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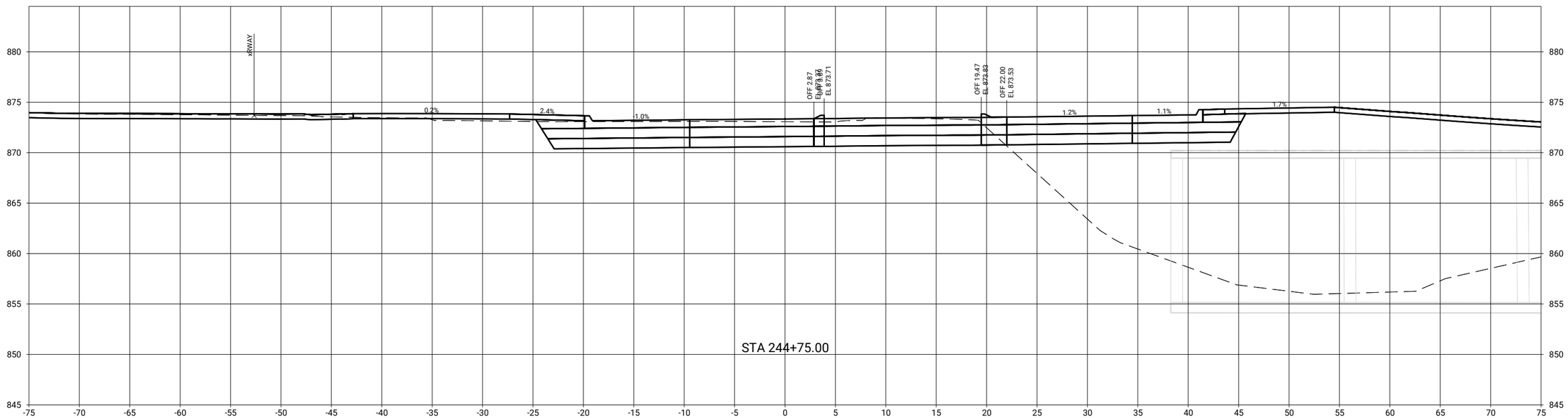

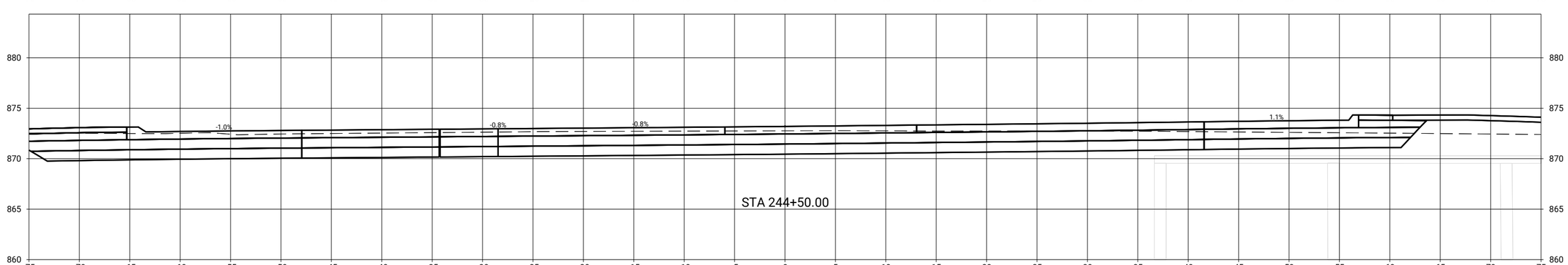

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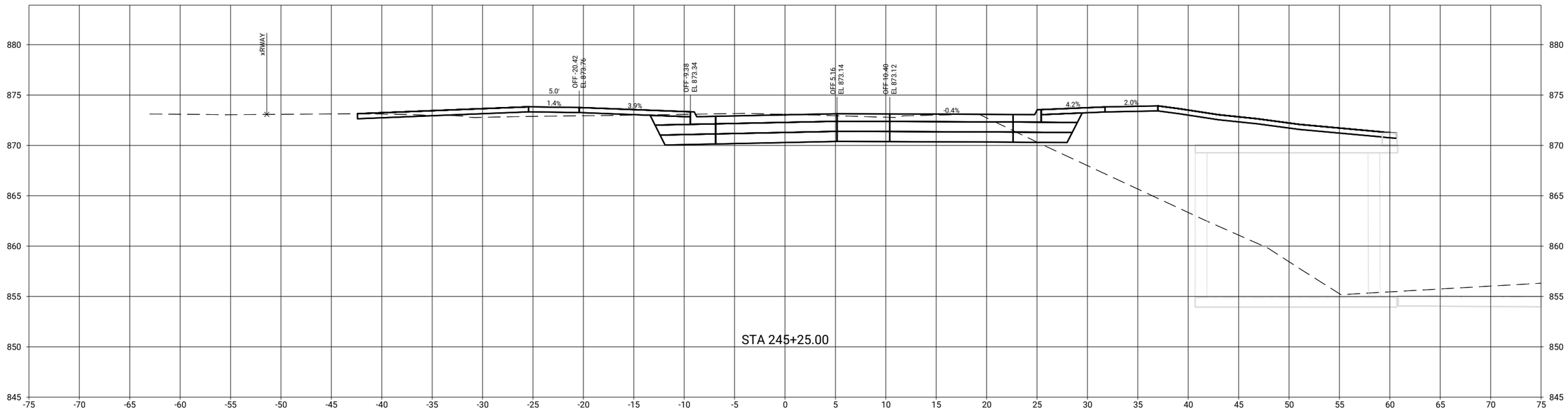
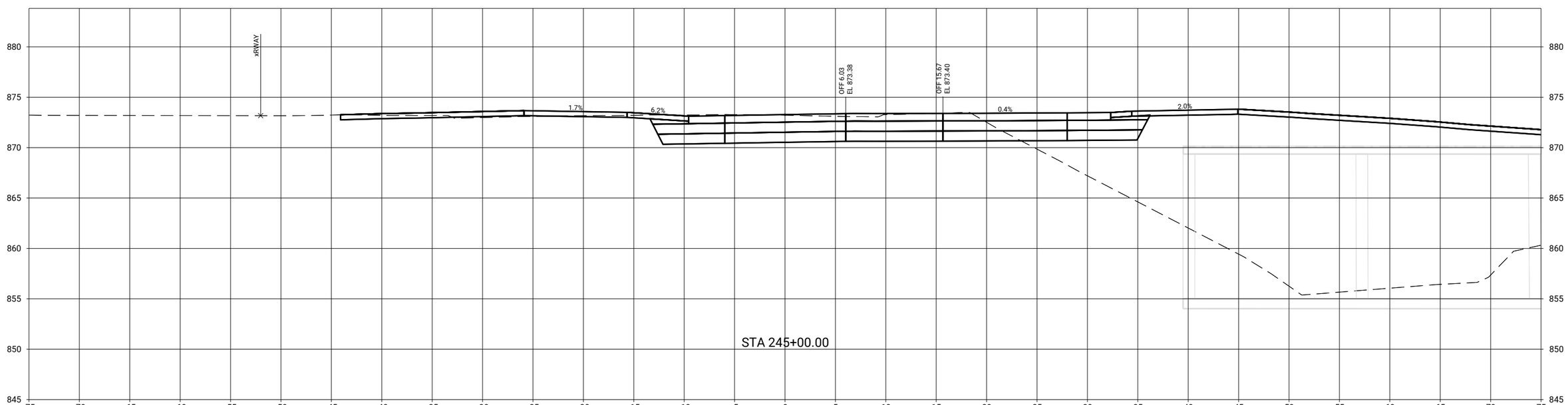
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

SEERLEY BLVD
SIDE ROAD CROSS SECTIONS

SHEET NO.
X.5

STBG-SWAP-1185(657





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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

SEERLEY BLVD
SIDE ROAD CROSS SECTIONS

SHEET NO.
X.6

STBG-SWAP-1185(657

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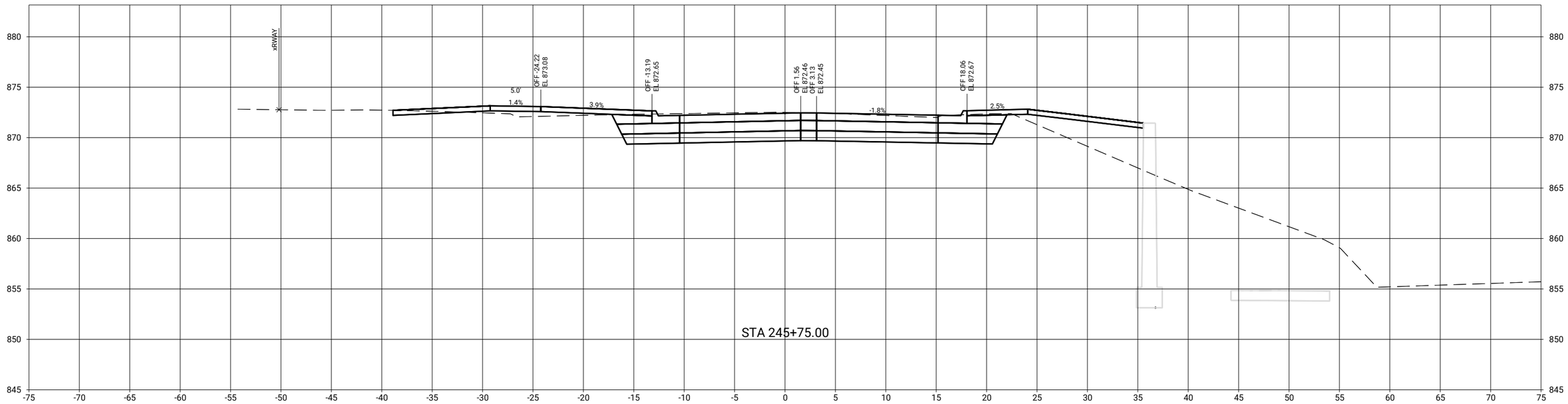

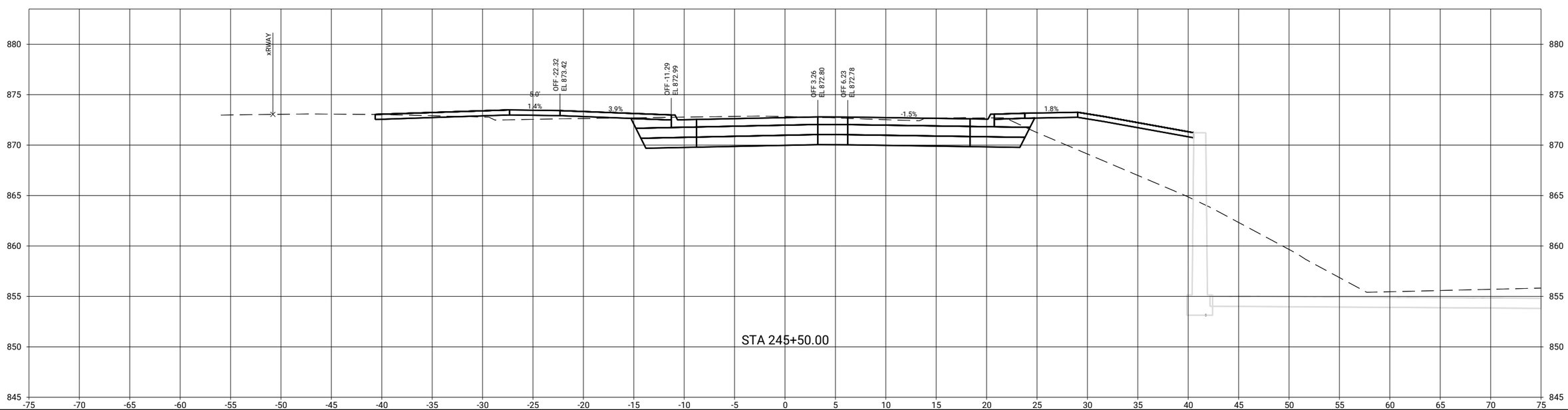

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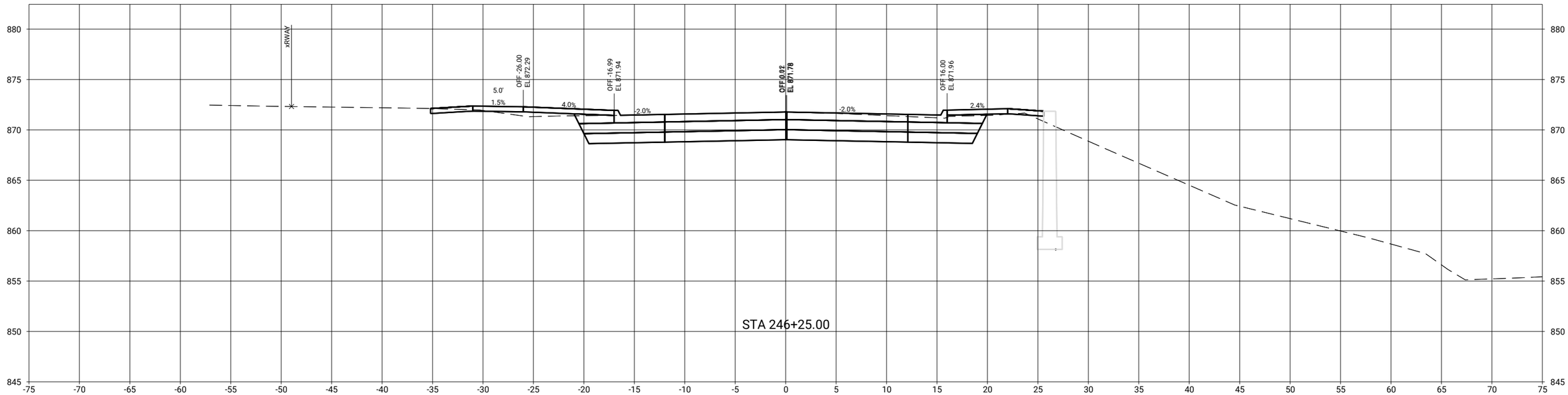
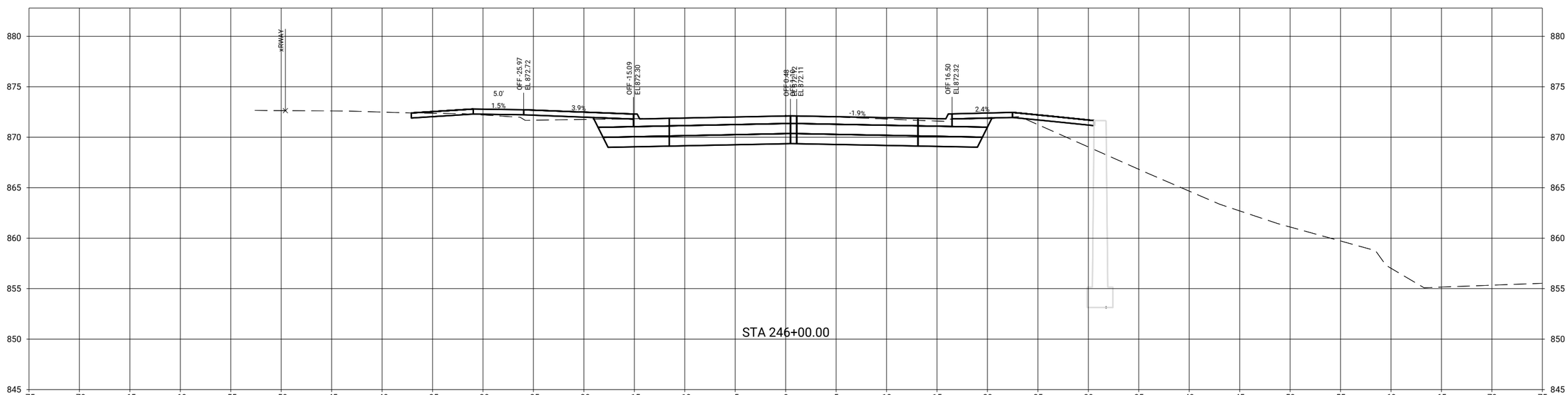
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

SEERLEY BLVD
SIDE ROAD CROSS SECTIONS

SHEET NO.
X.7

STBG-SWAP-1185(657





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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

SEERLEY BLVD
SIDE ROAD CROSS SECTIONS

SHEET NO.
X.8

STBG-SWAP-1185(657)

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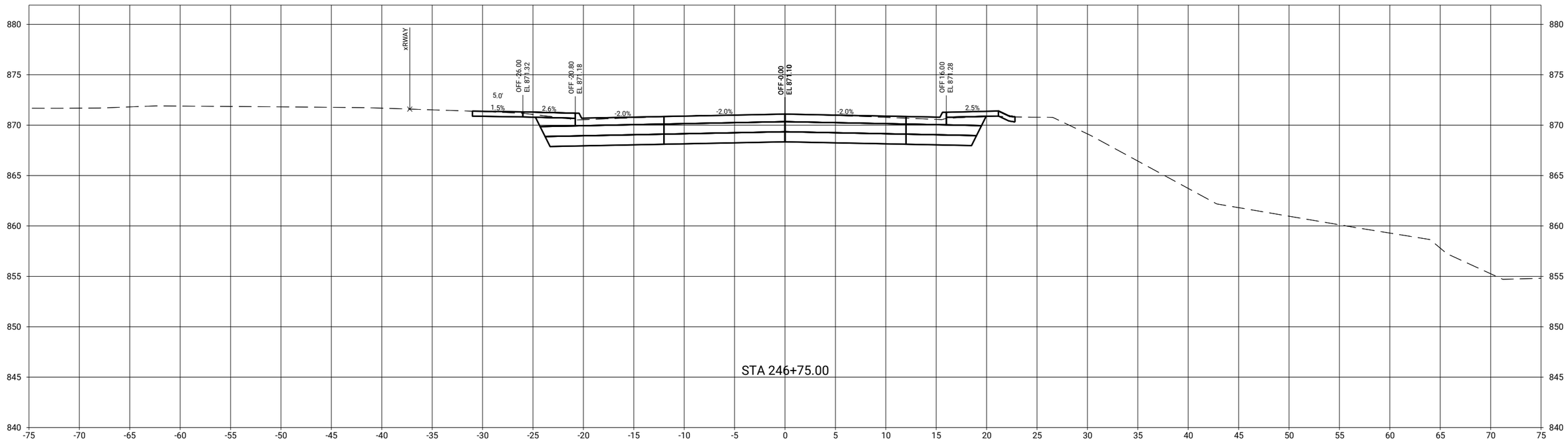

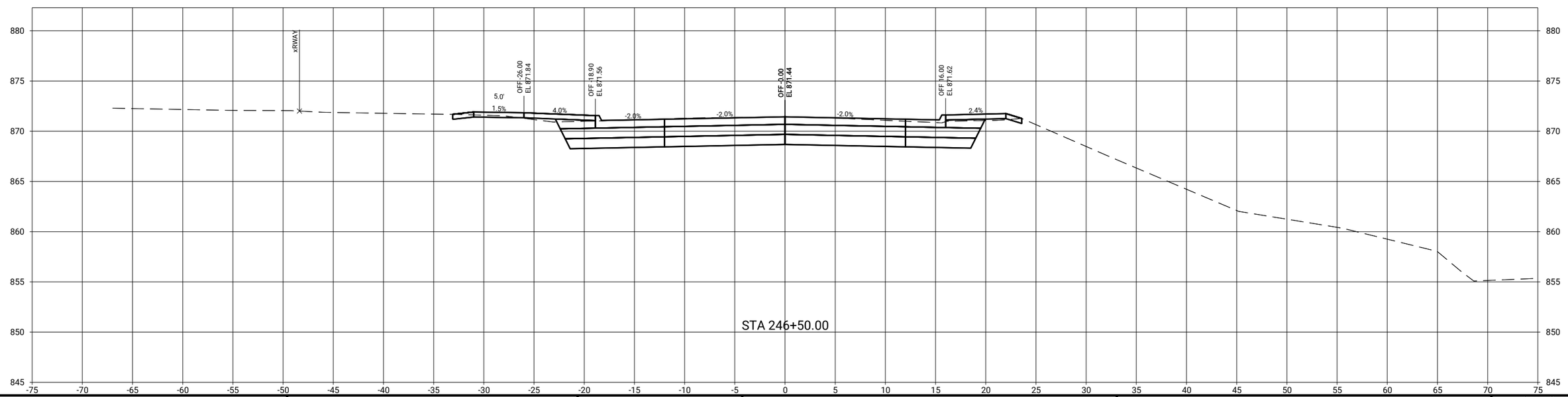

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

SEERLEY BLVD
SIDE ROAD CROSS SECTIONS

SHEET NO.
X.9
STBG-SWAP-1185(657)

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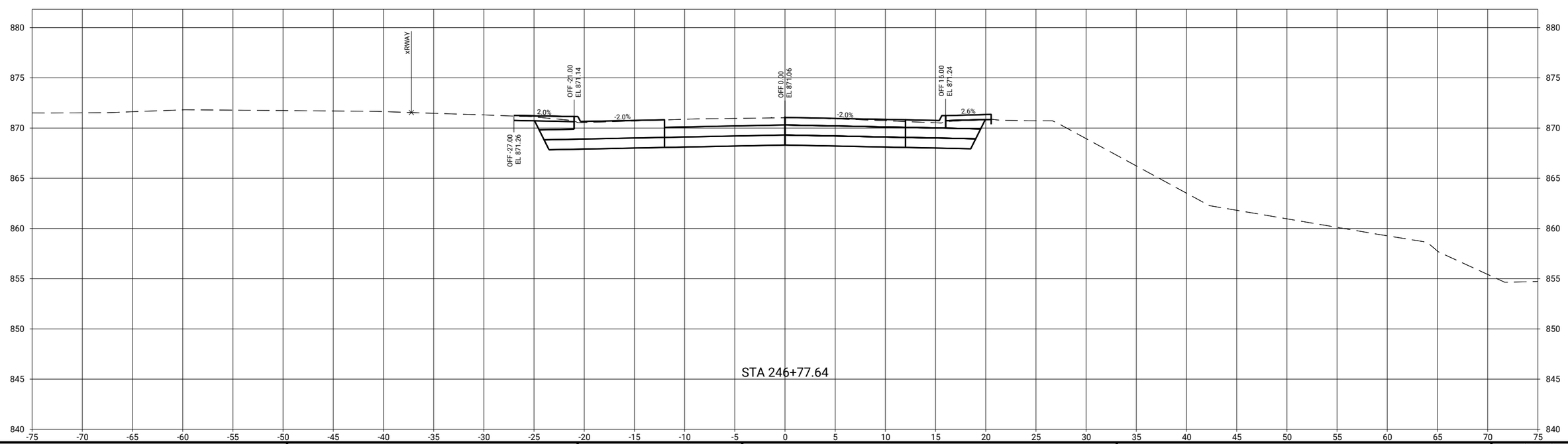

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

SEERLEY BLVD
SIDE ROAD CROSS SECTIONS

SHEET NO.
X.10
STBG-SWAP-1185(657

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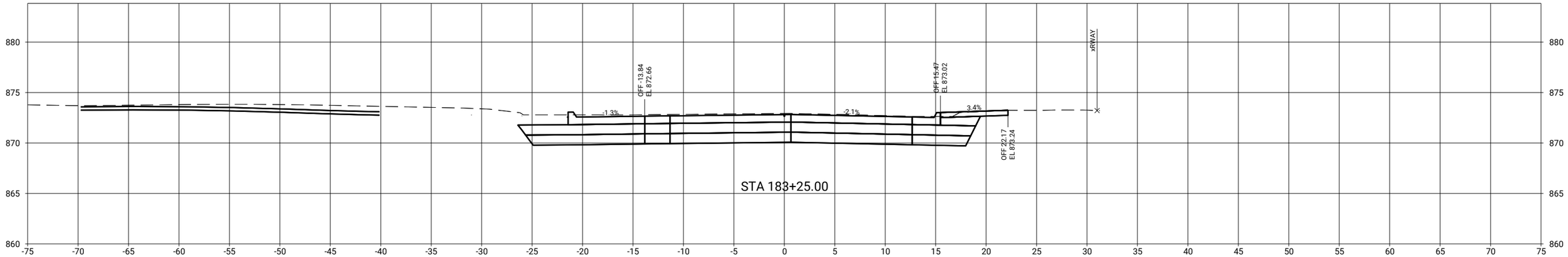

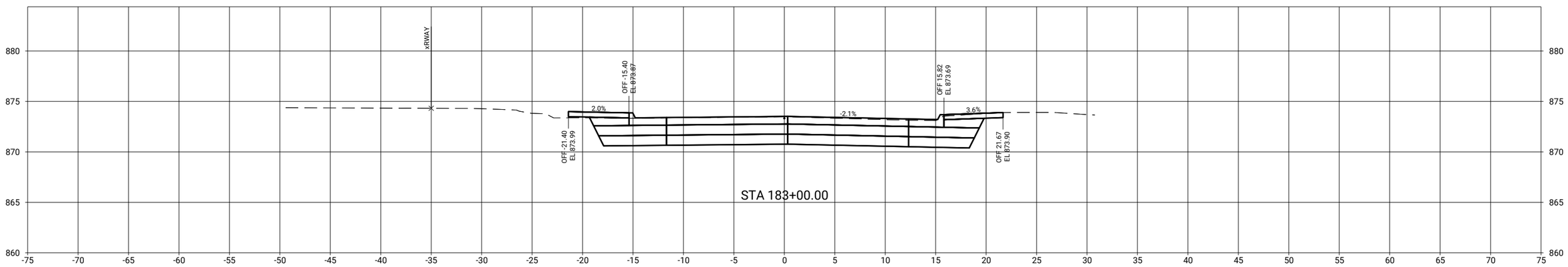

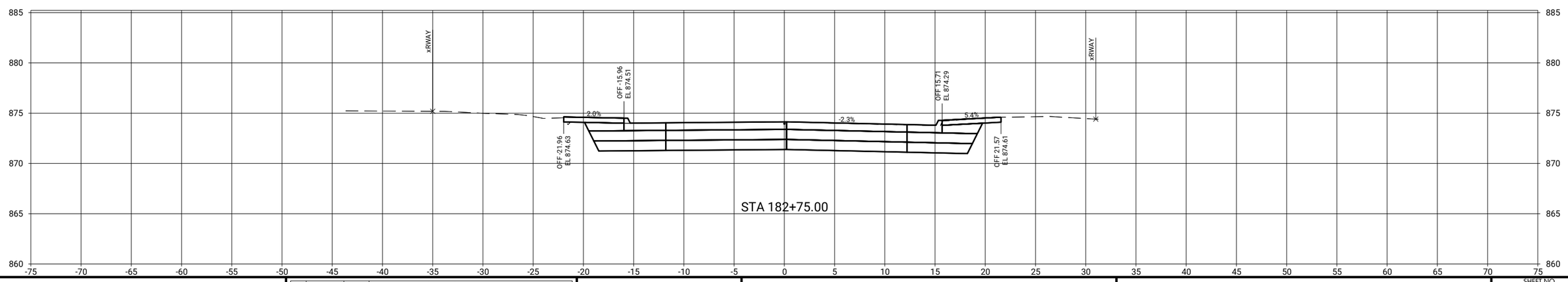

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

18TH STREET
SIDE ROAD CROSS SECTIONS

SHEET NO.
X.11

STBG-SWAP-1185(657)

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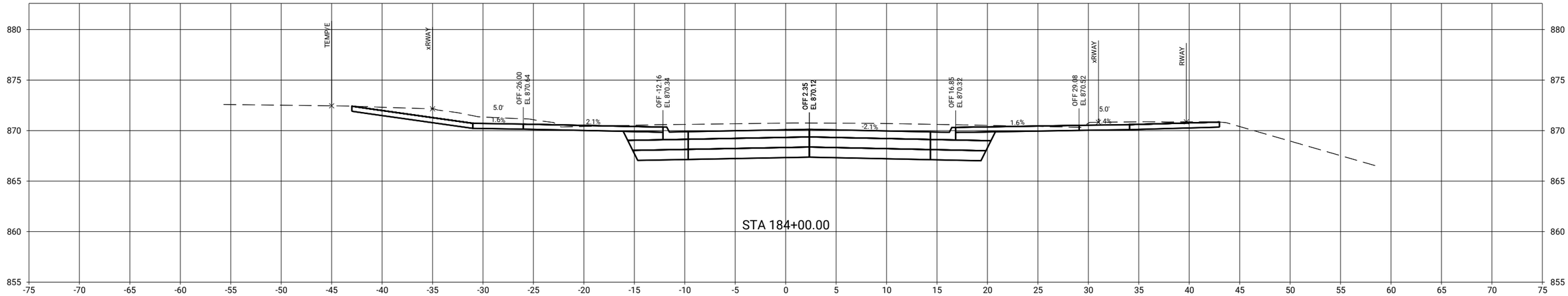

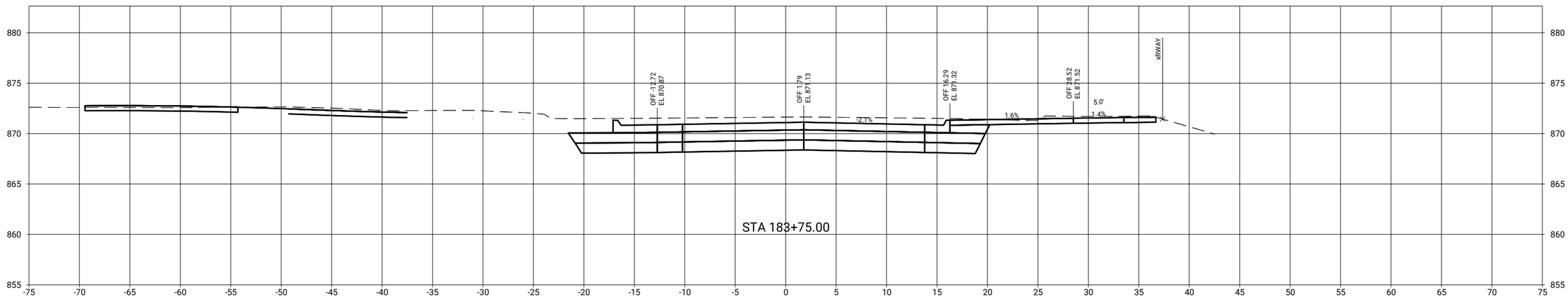

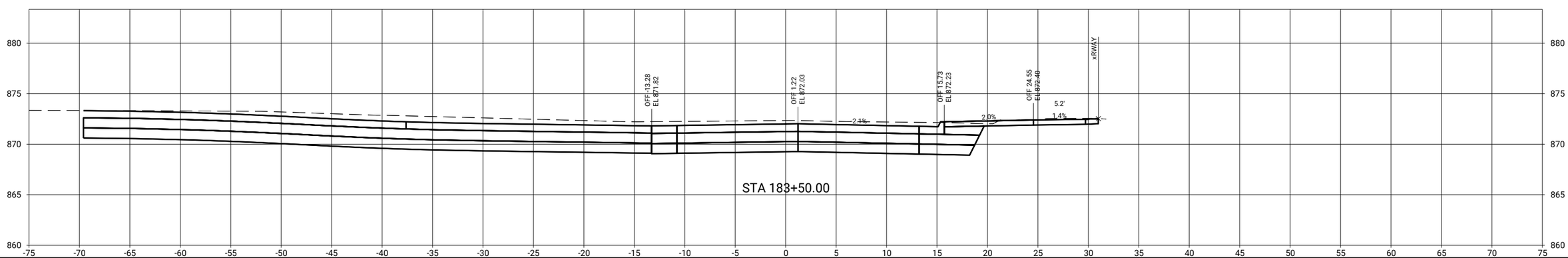

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NO	DATE	BY	REVISION DESCRIPTION

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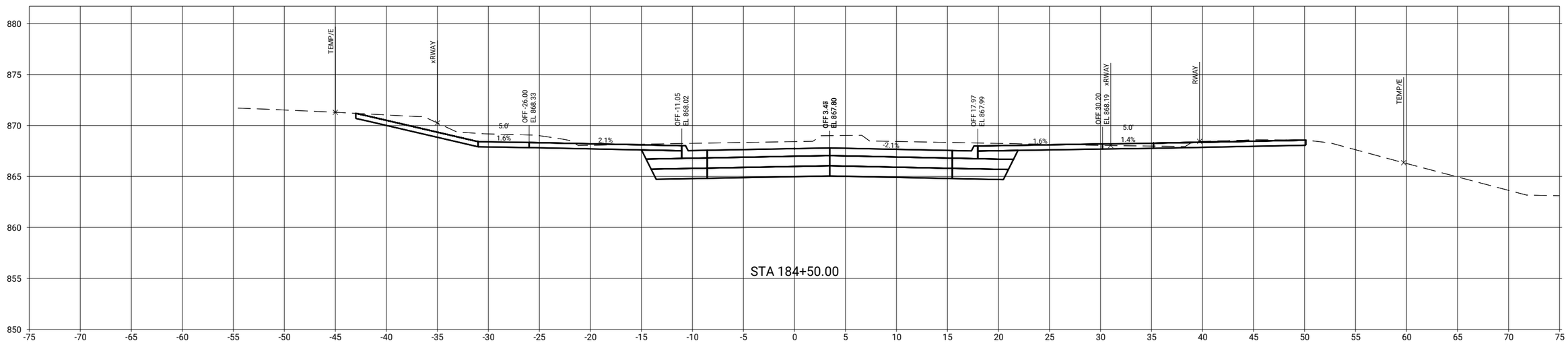
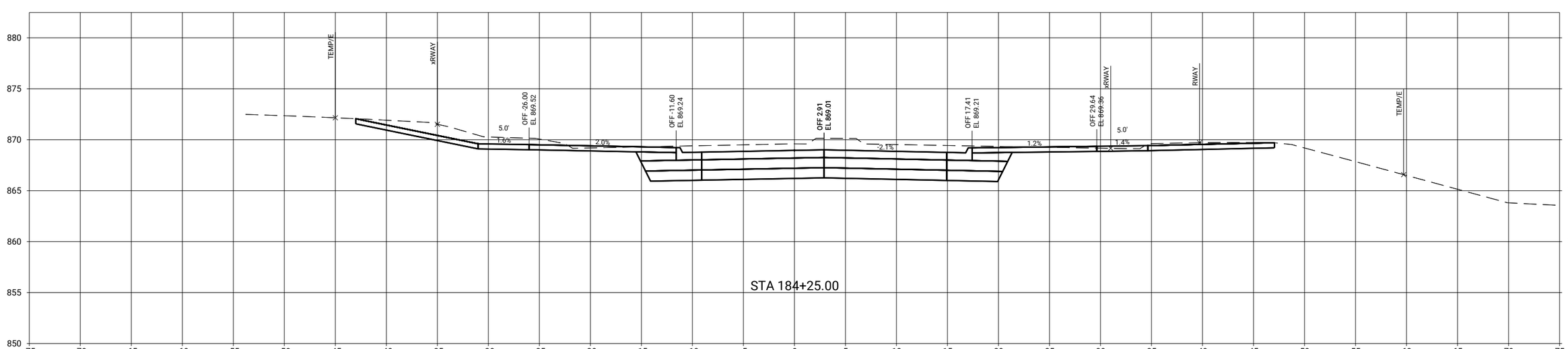
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

18TH STREET
SIDE ROAD CROSS SECTIONS

SHEET NO.
X.12

STBG-SWAP-1185(657





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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

18TH STREET
SIDE ROAD CROSS SECTIONS

SHEET NO.
X.13
STBG-SWAP-1185(657

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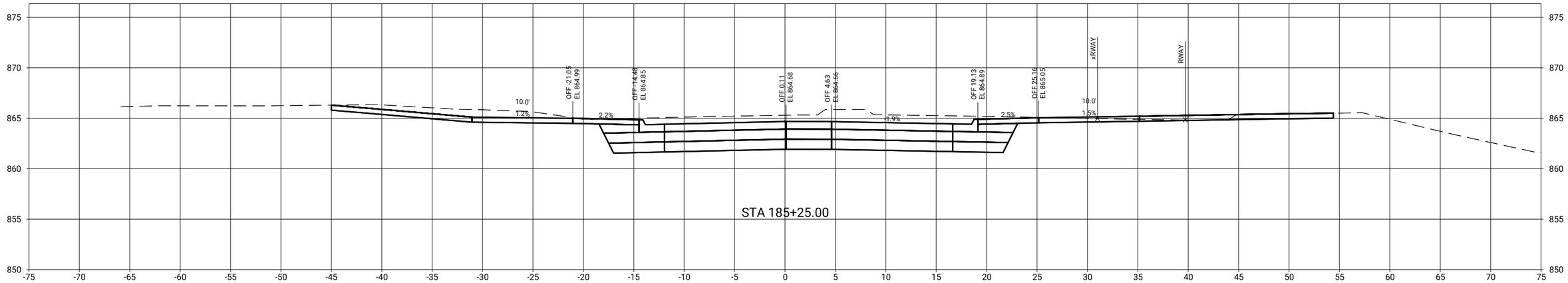

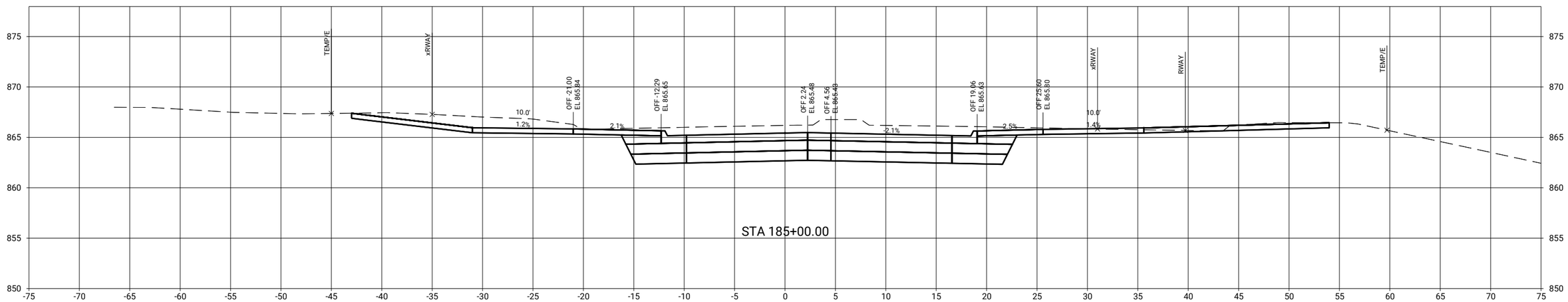

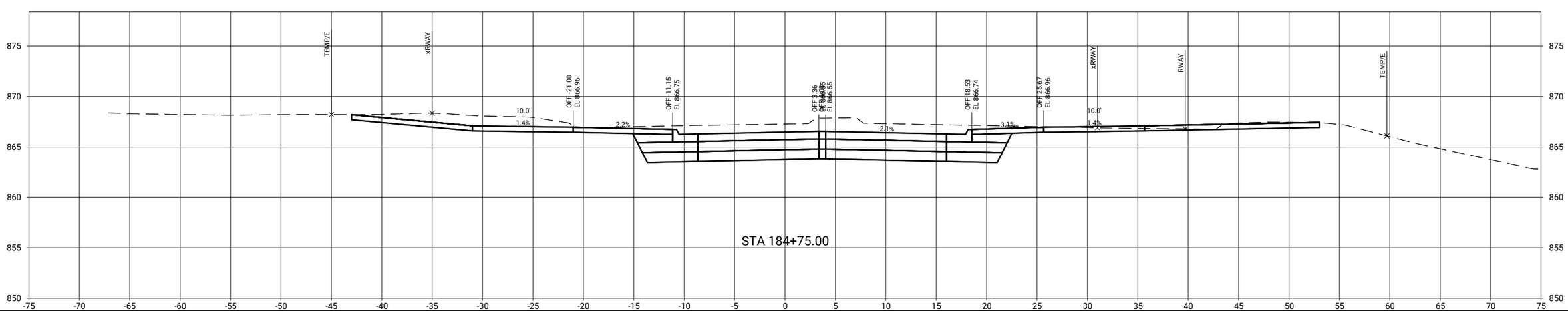

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

18TH STREET
SIDE ROAD CROSS SECTIONS

SHEET NO.
X.14

STBG-SWAP-1185(657)

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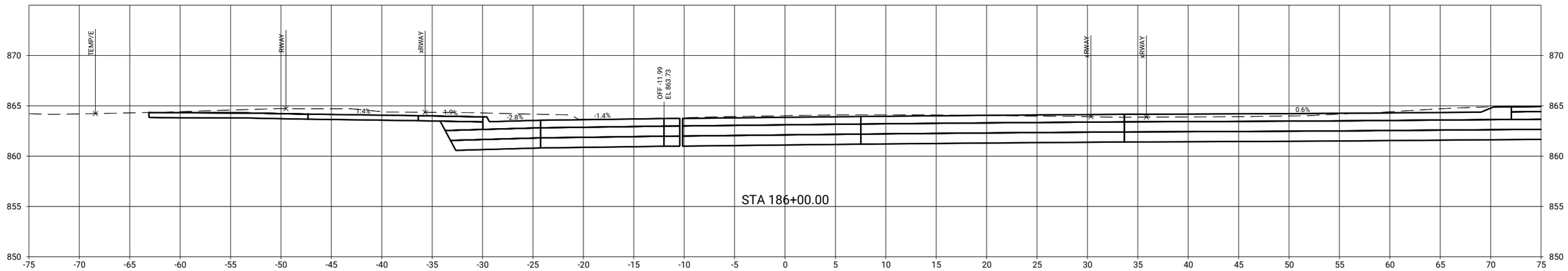

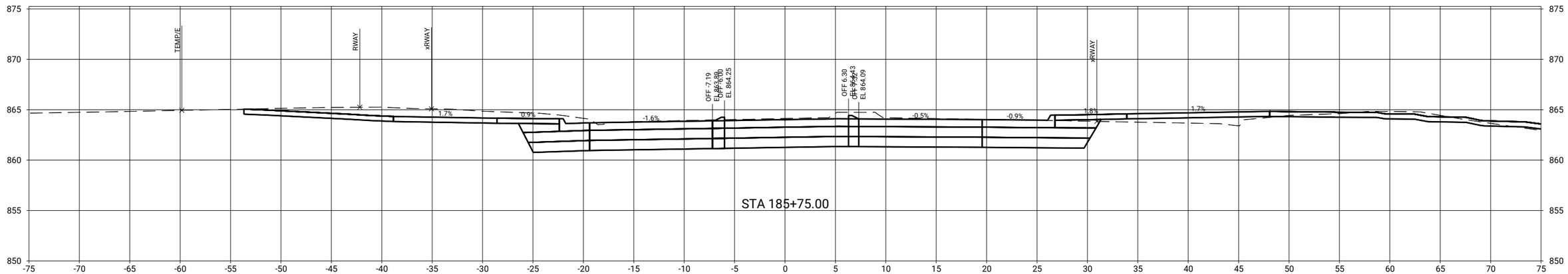

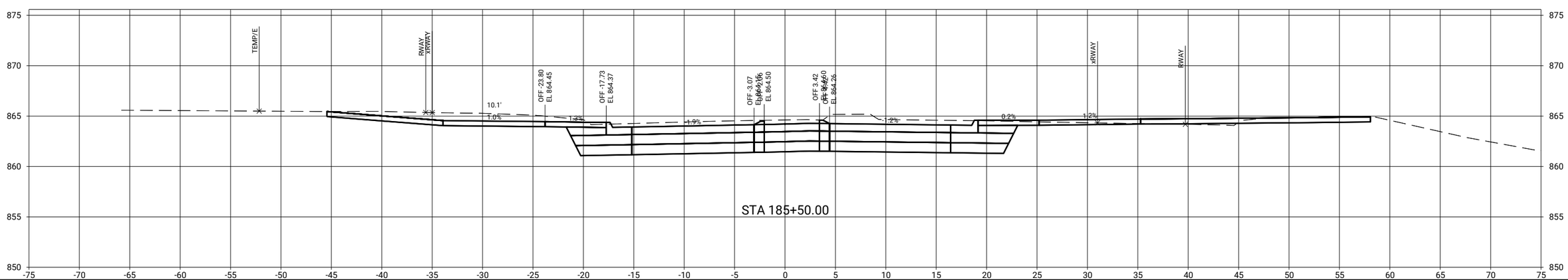

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

18TH STREET
SIDE ROAD CROSS SECTIONS

SHEET NO.
X.15

STBG-SWAP-1185(657

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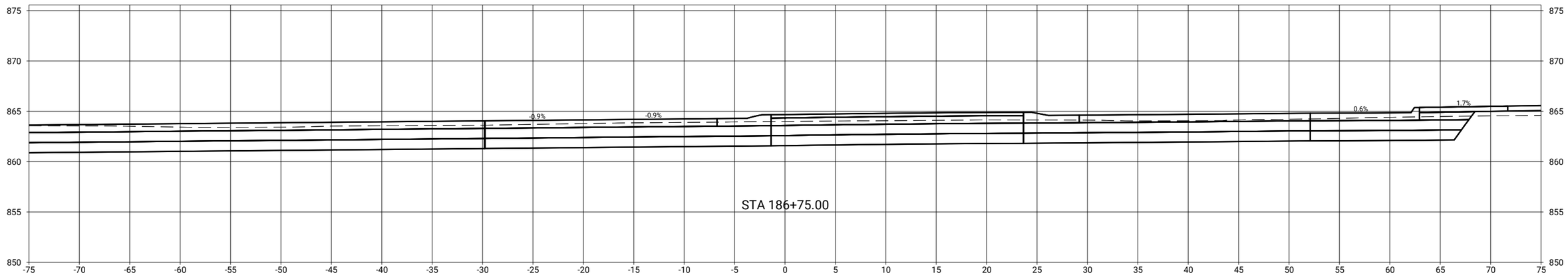

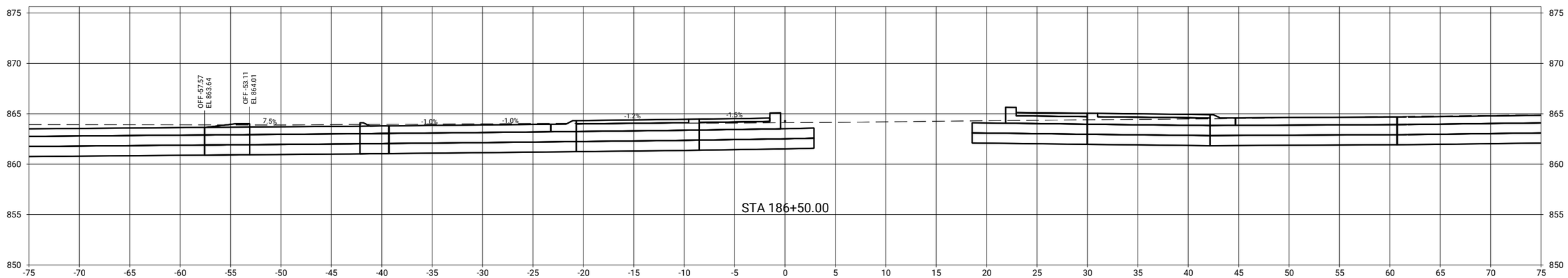

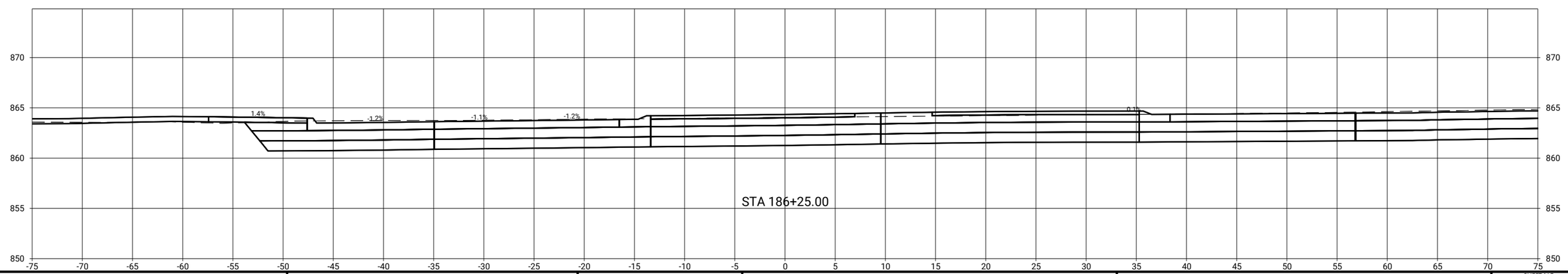

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

18TH STREET
SIDE ROAD CROSS SECTIONS

SHEET NO.
X.16
STBG-SWAP-1185(657

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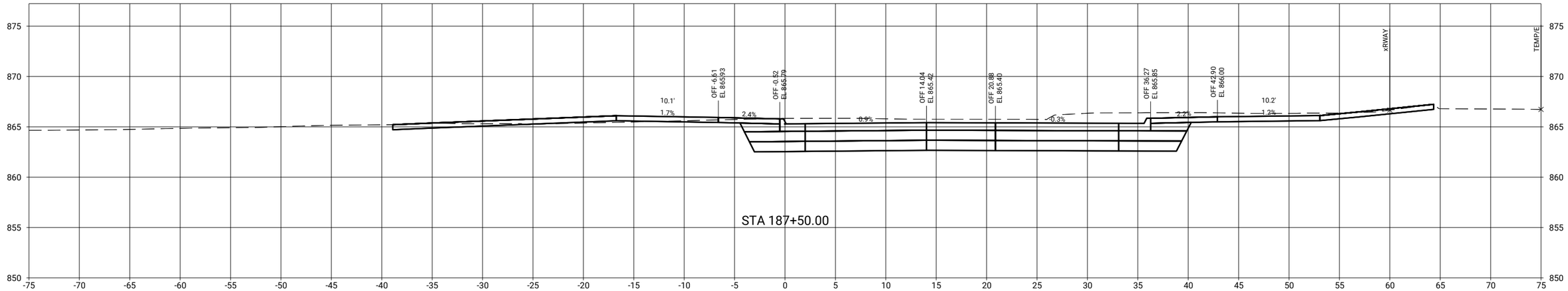

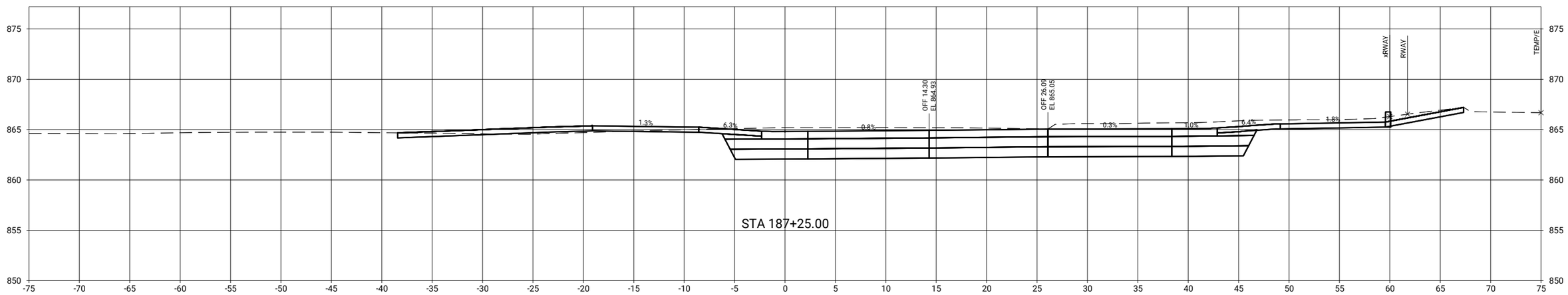

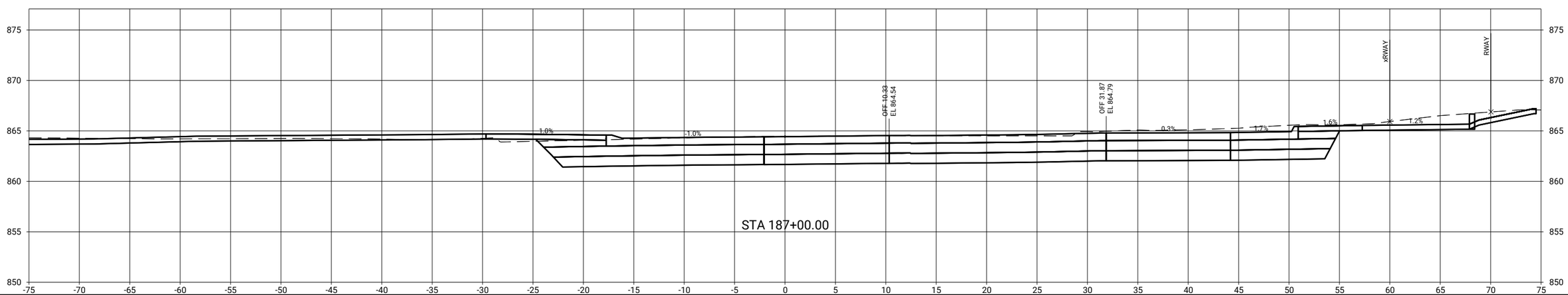

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

18TH STREET
SIDE ROAD CROSS SECTIONS

SHEET NO.
X.17

STBG-SWAP-1185(657

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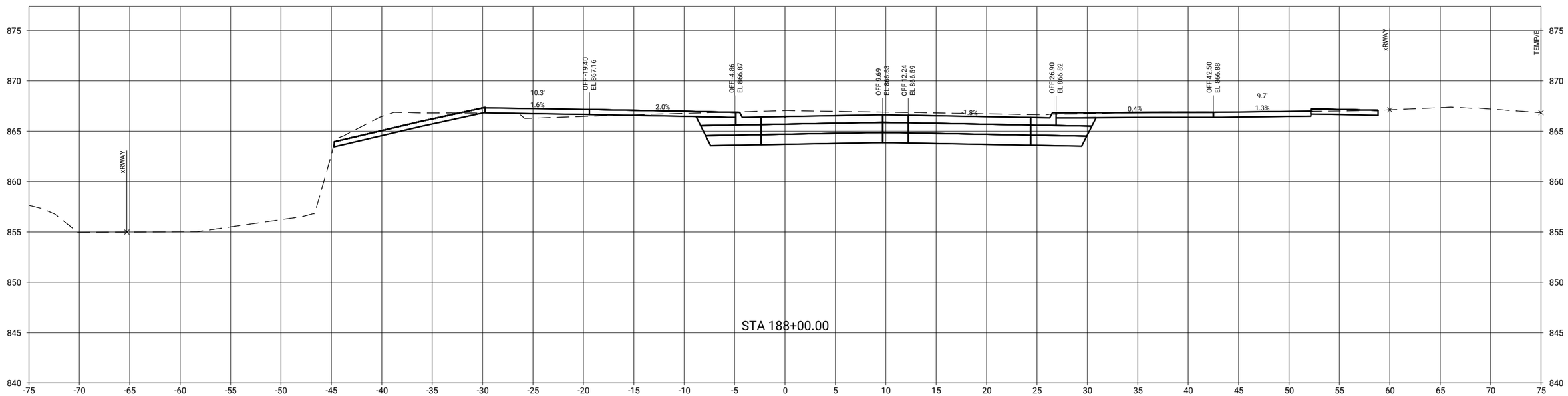

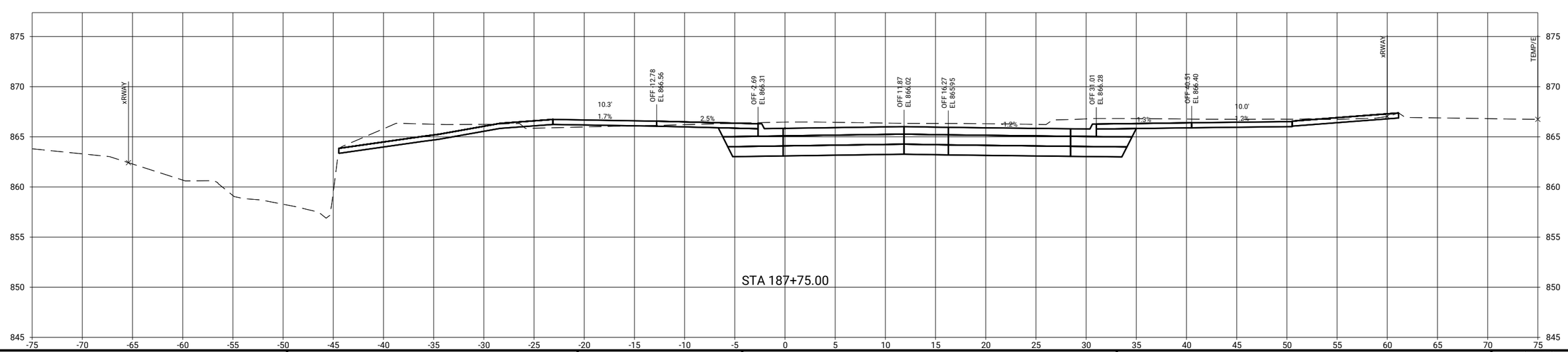

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

18TH STREET
SIDE ROAD CROSS SECTIONS

SHEET NO.
X.18
STBG-SWAP-1185(657

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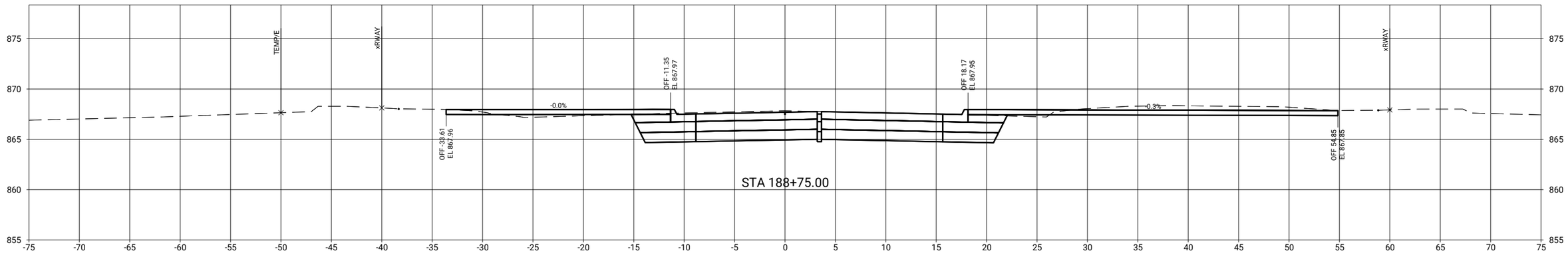

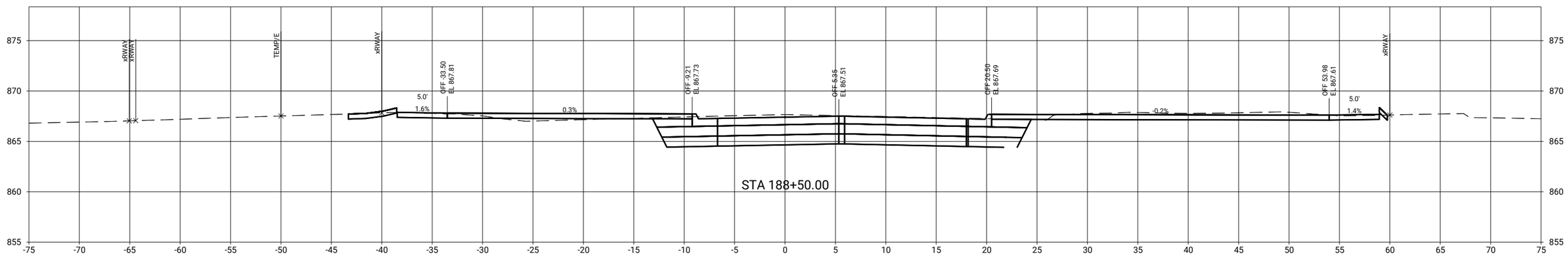

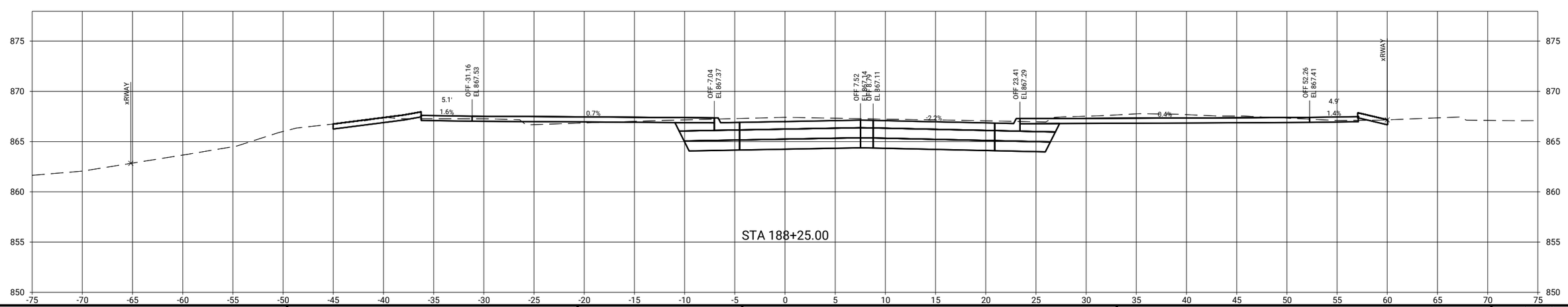

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

18TH STREET
SIDE ROAD CROSS SECTIONS

SHEET NO.
X.19

STBG-SWAP-1185(657

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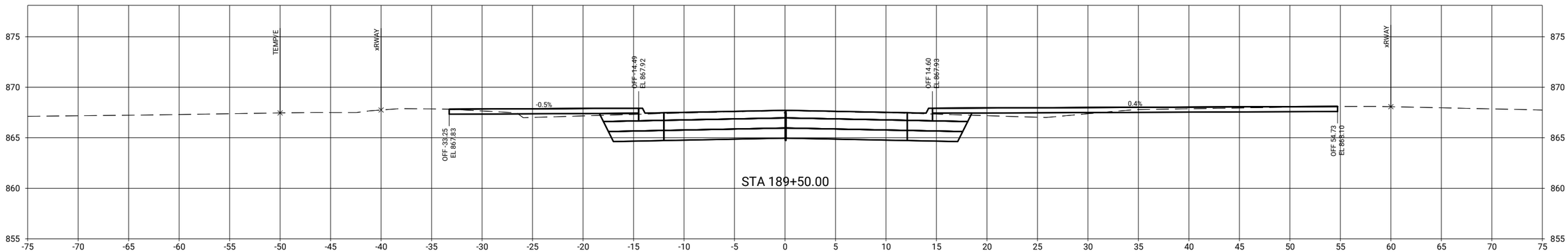

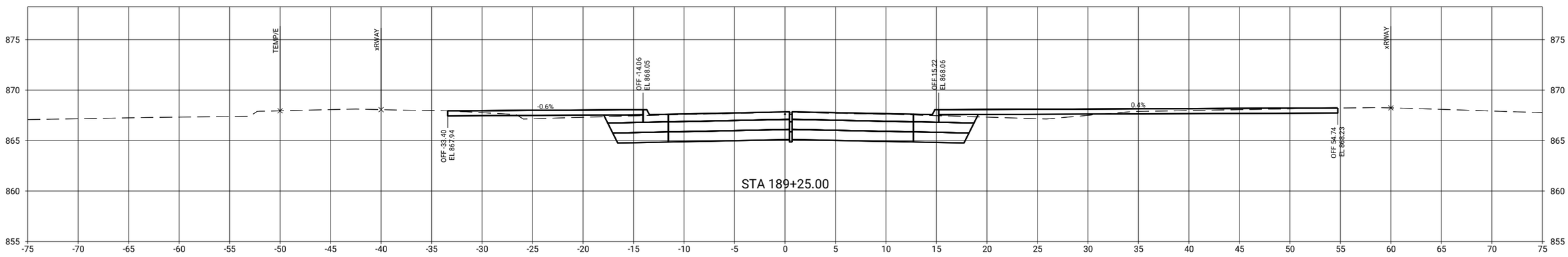

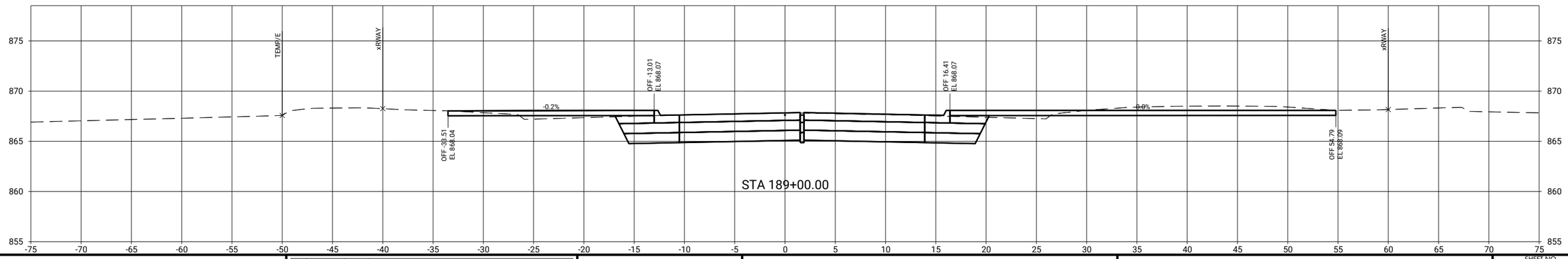

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

18TH STREET
SIDE ROAD CROSS SECTIONS

SHEET NO.
X.20
STBG-SWAP-1185(657

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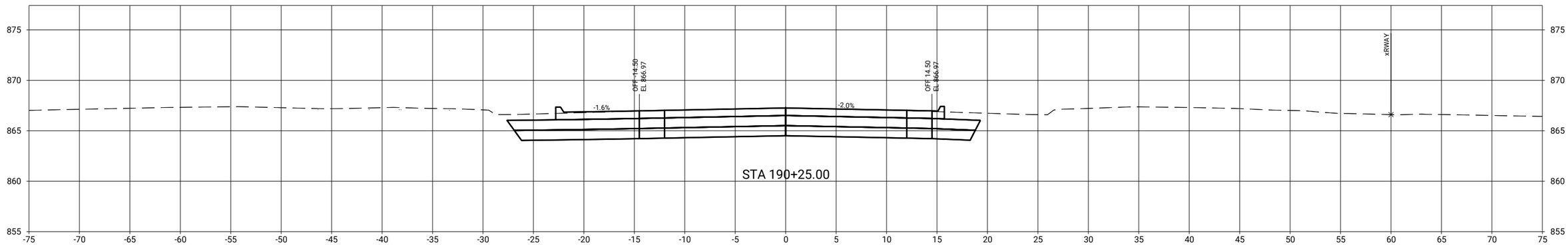

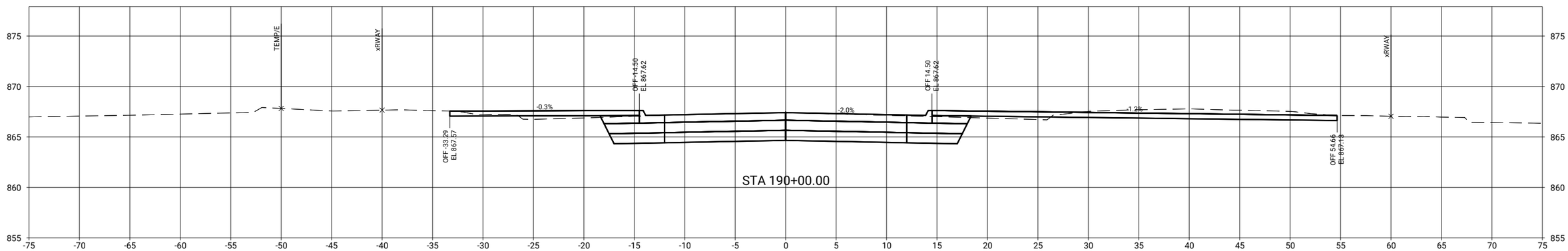

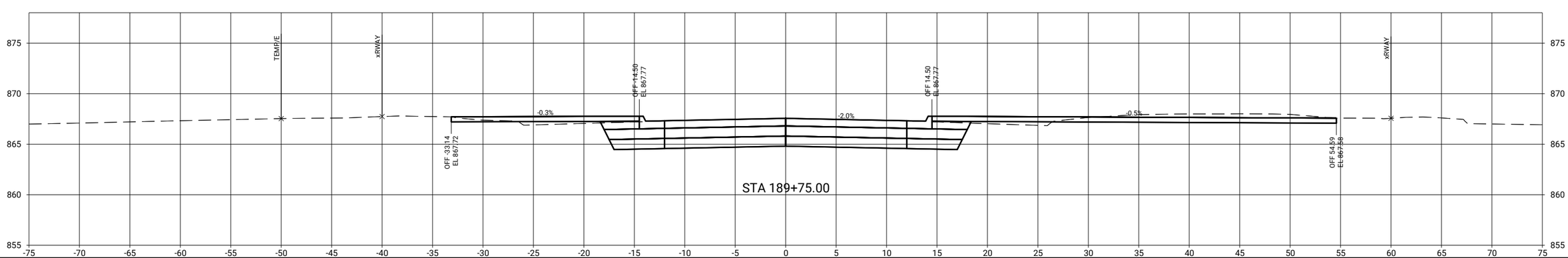

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

18TH STREET
SIDE ROAD CROSS SECTIONS

SHEET NO.
X.21
STBG-SWAP-1185(657

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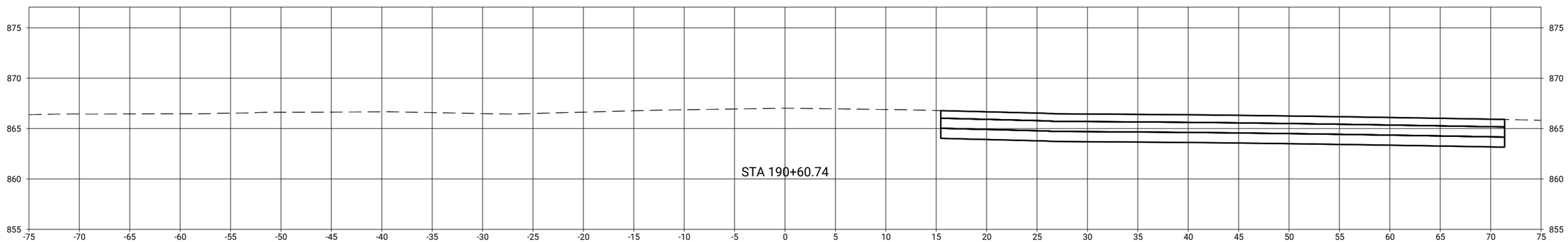

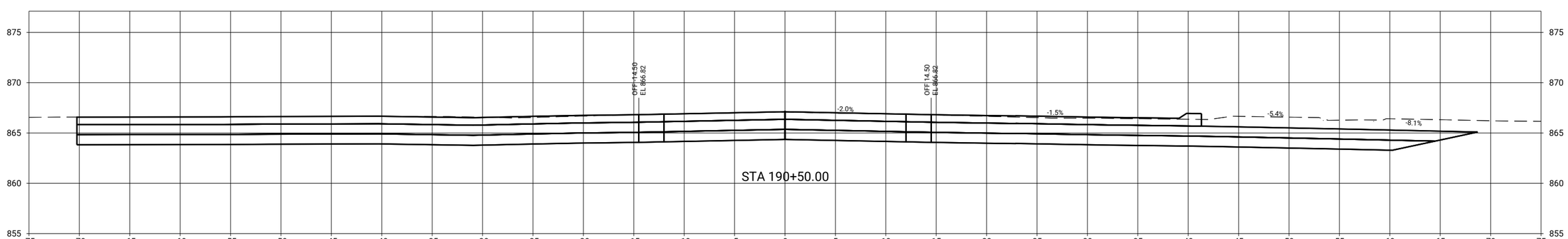

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NO	DATE	BY	REVISION DESCRIPTION

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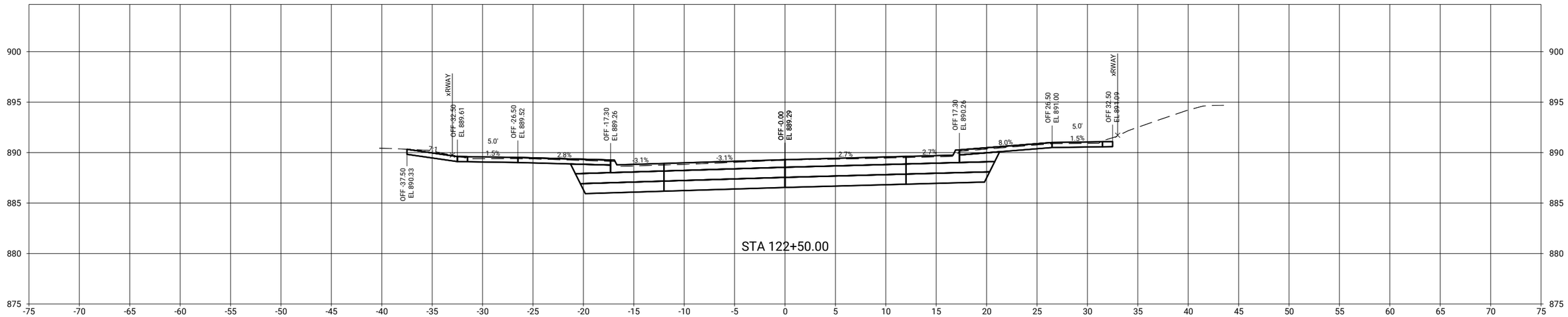
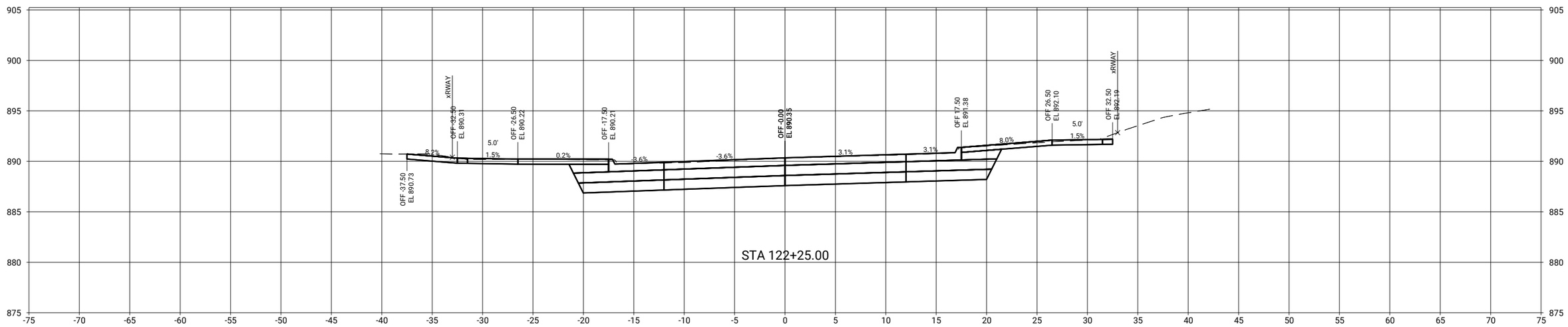
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

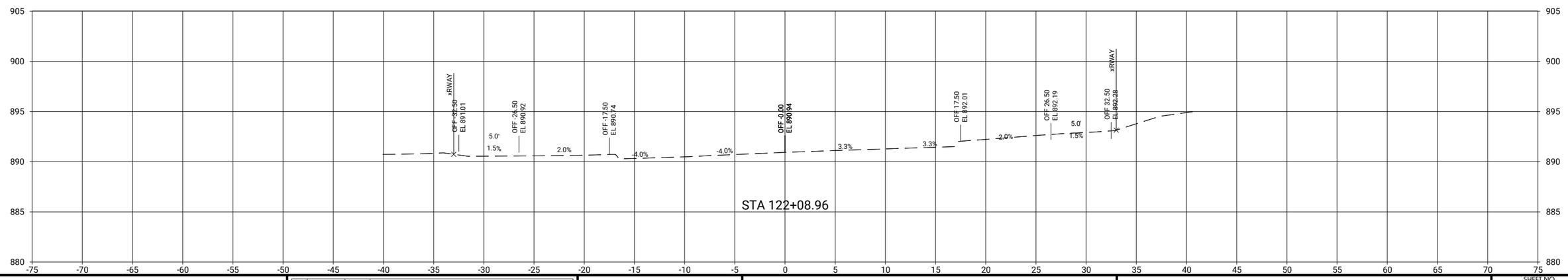
18TH STREET
SIDE ROAD CROSS SECTIONS

SHEET NO.
X.22

STBG-SWAP-1185(657







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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

12TH STREET
SIDE ROAD CROSS SECTIONS

SHEET NO.
X.23
STBG-SWAP-1185(657

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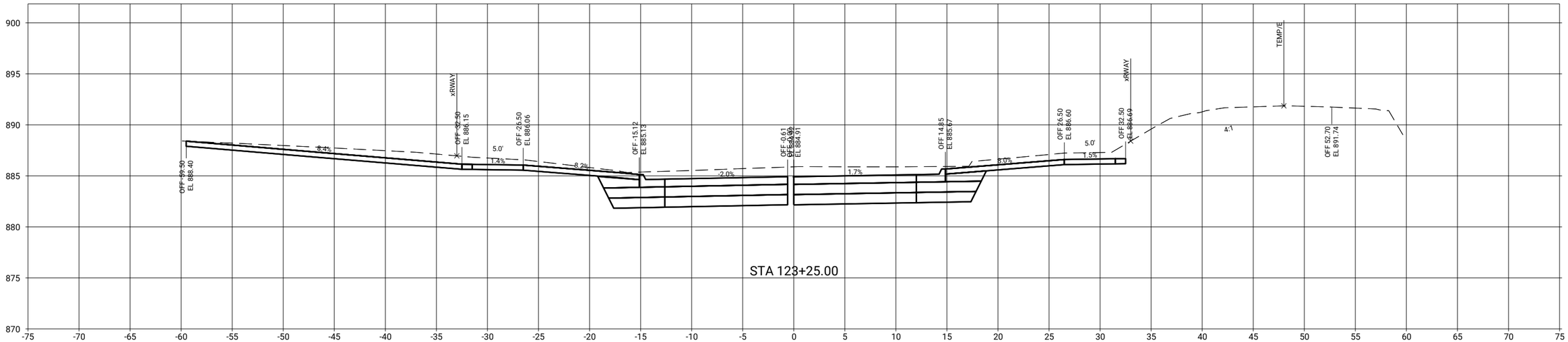

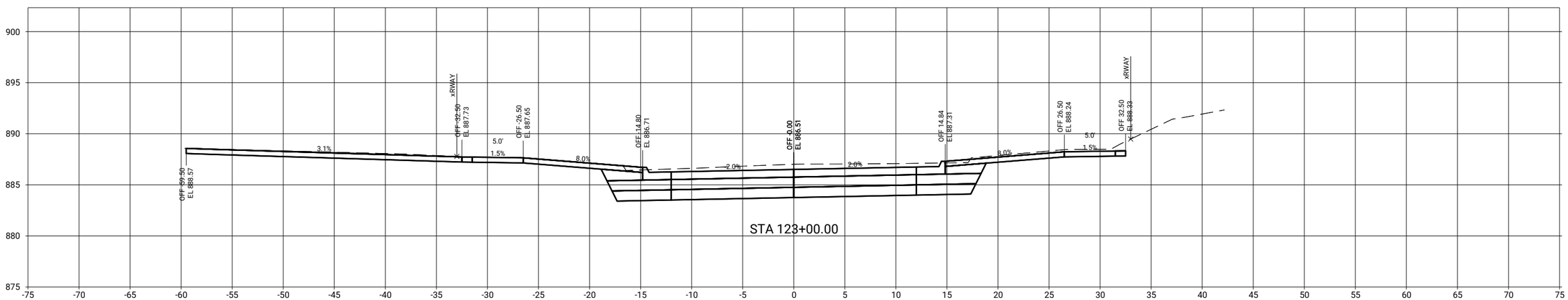

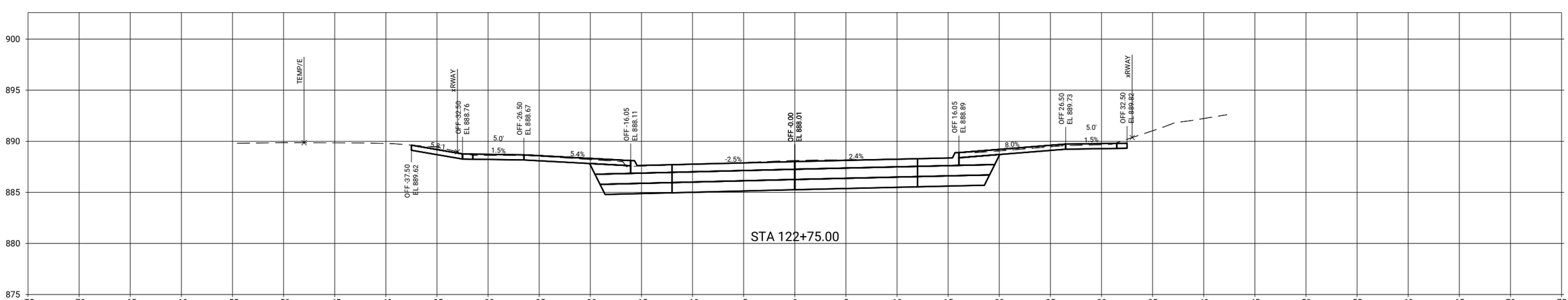

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

12TH STREET
SIDE ROAD CROSS SECTIONS

SHEET NO.
X.24
STBG-SWAP-1185(657

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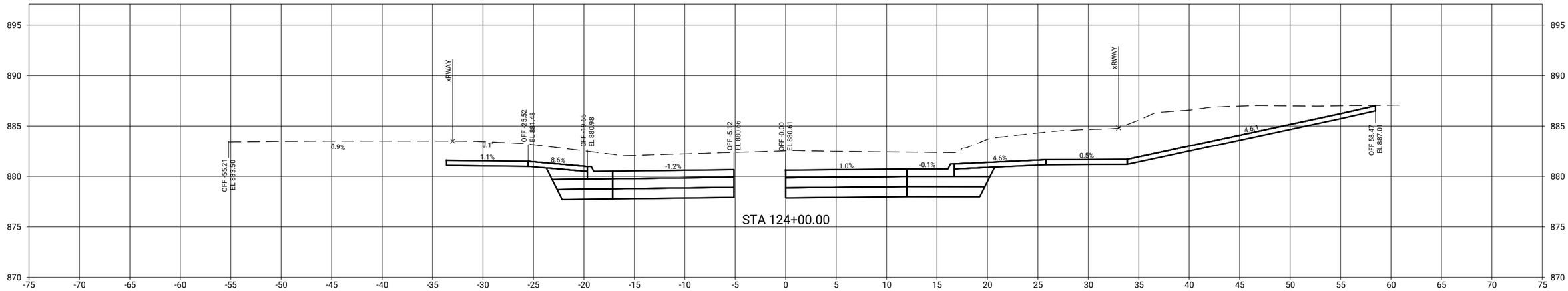

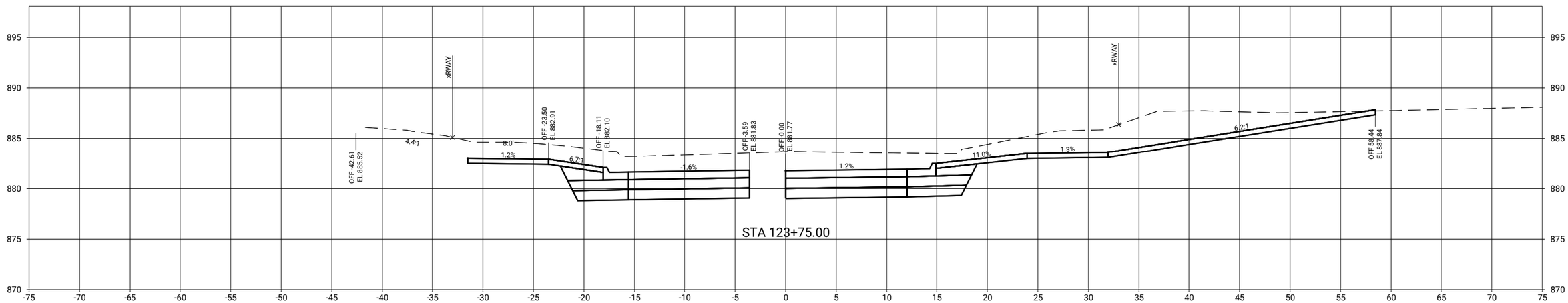

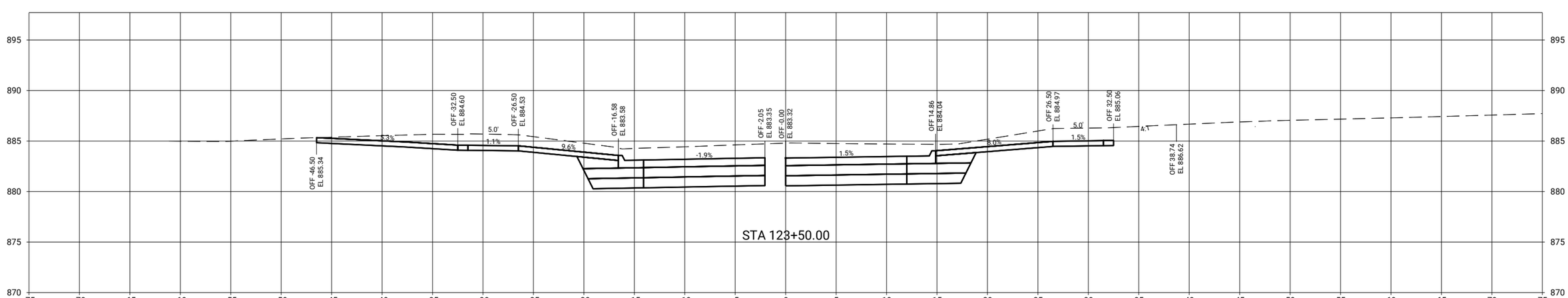

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

12TH STREET
SIDE ROAD CROSS SECTIONS

SHEET NO.
X.25

STBG-SWAP-1185(657

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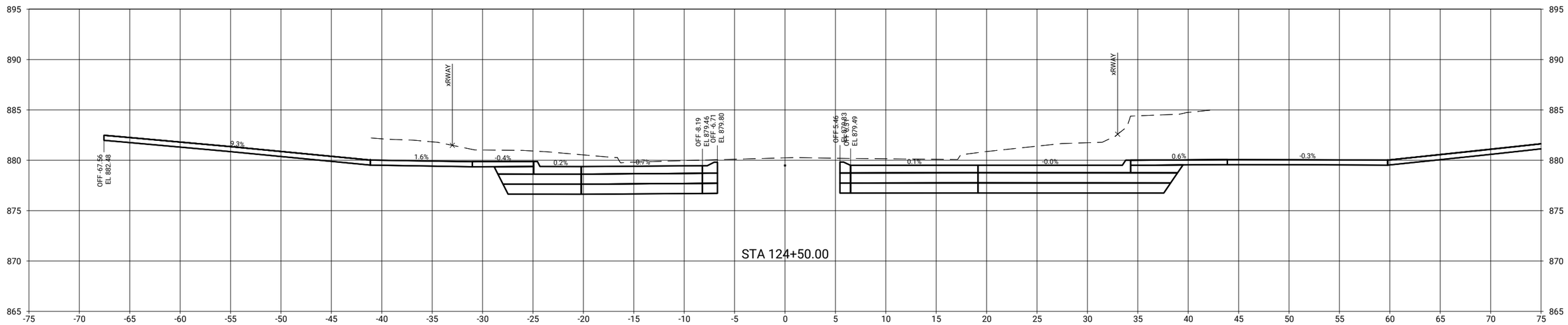

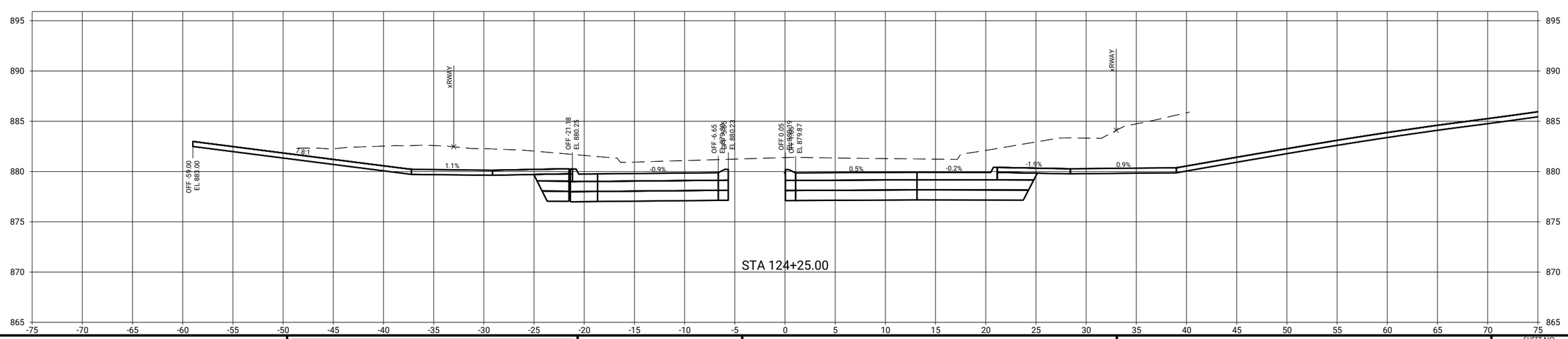

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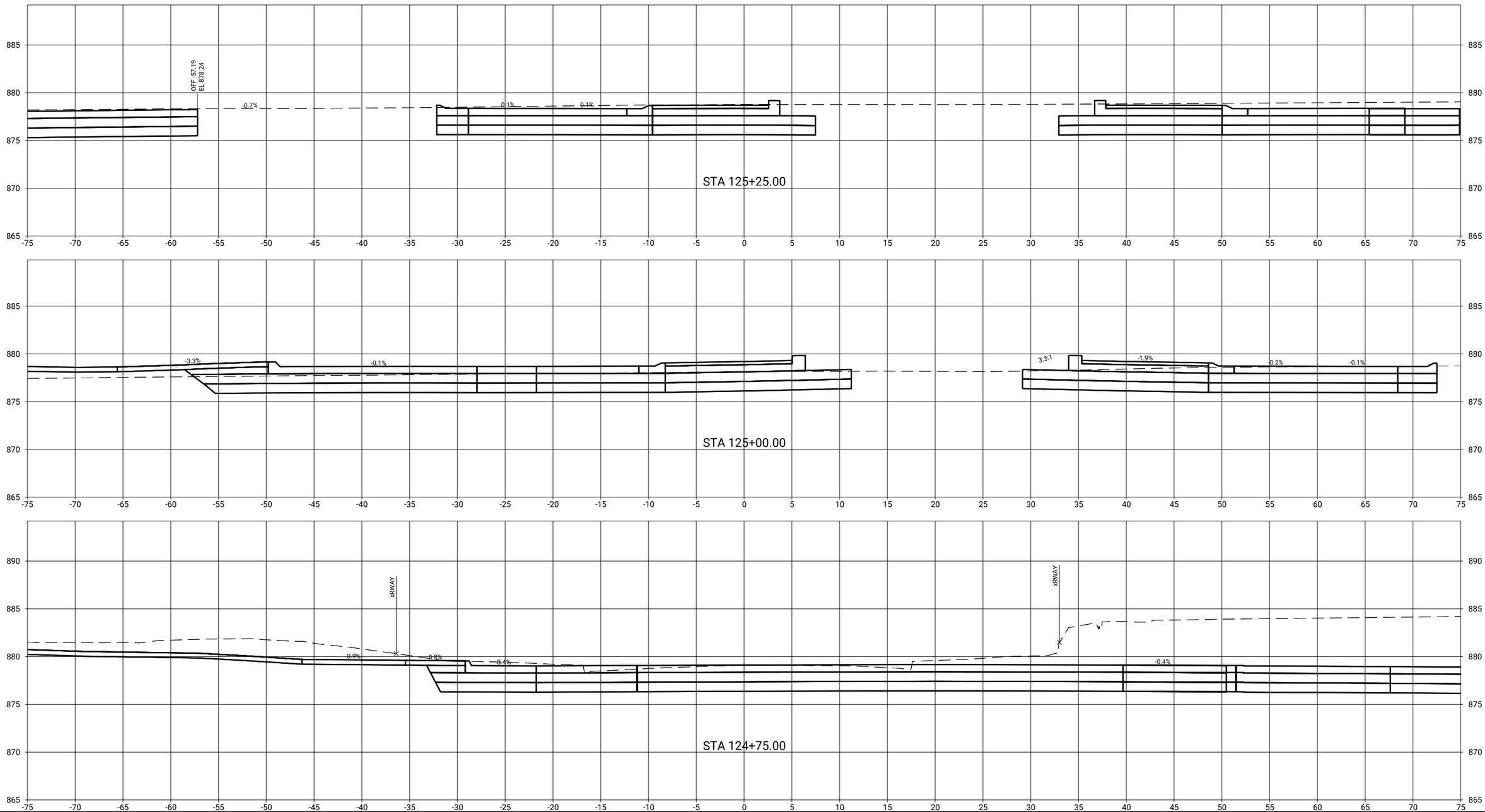
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

12TH STREET
SIDE ROAD CROSS SECTIONS

SHEET NO.
X.26
STBG-SWAP-1185(657



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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

12TH STREET
SIDE ROAD CROSS SECTIONS

SHEET NO.
X.27
STBG-SWAP-1185(657

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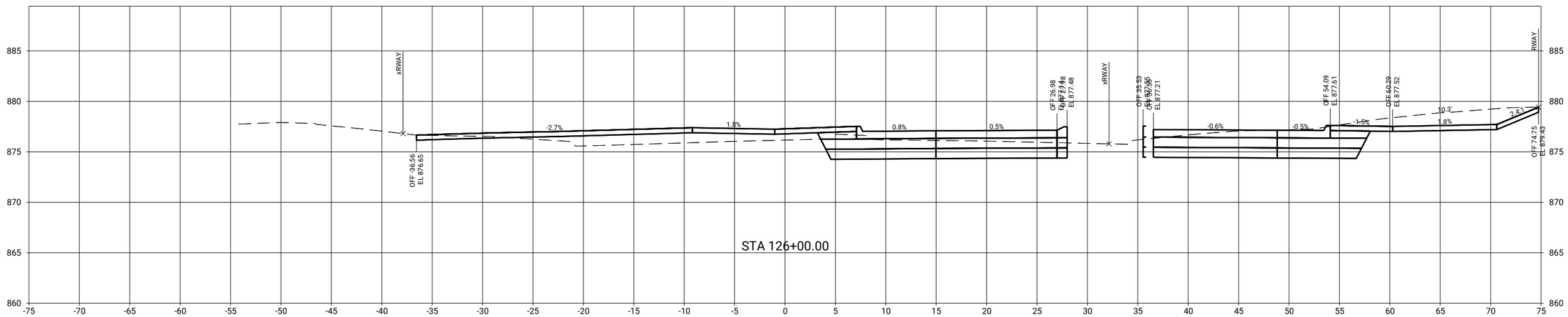

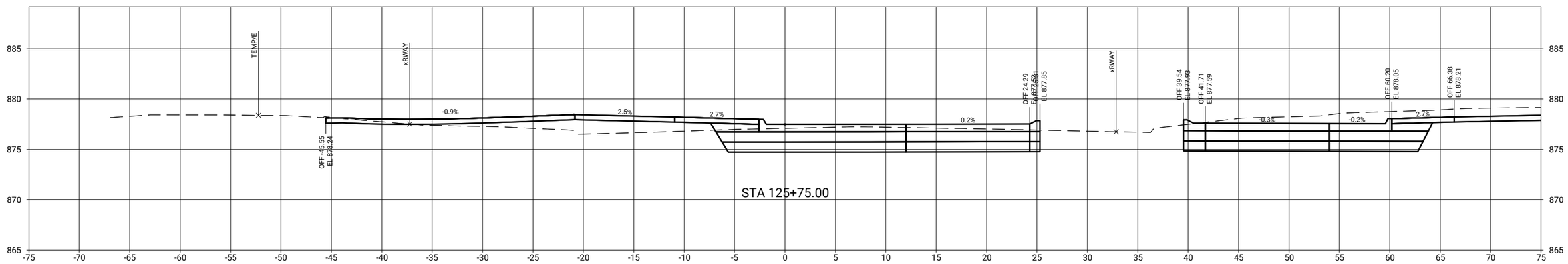

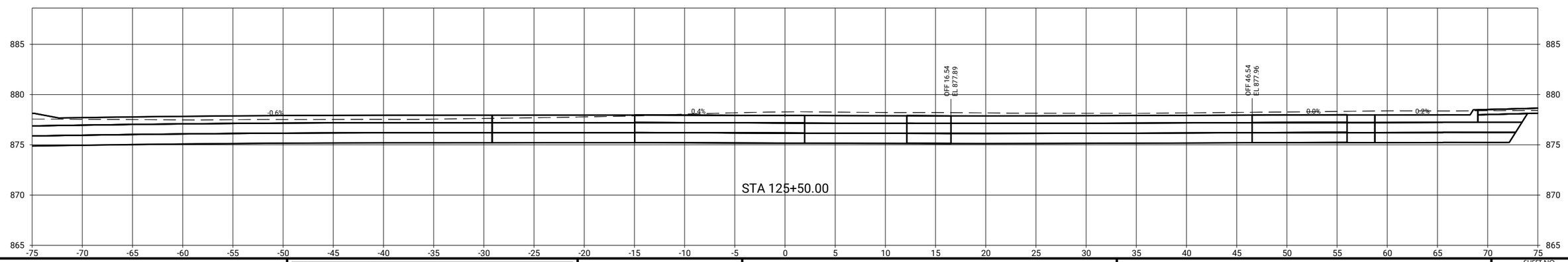

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NO	DATE	BY	REVISION DESCRIPTION

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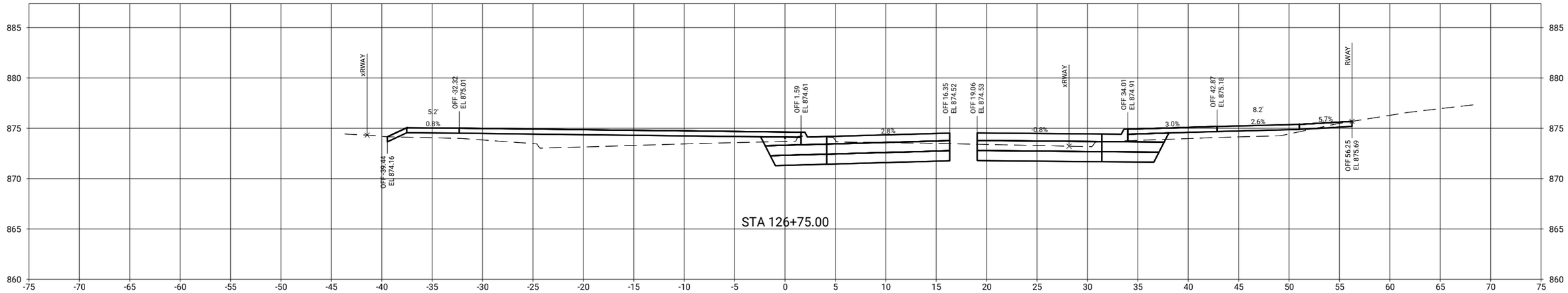
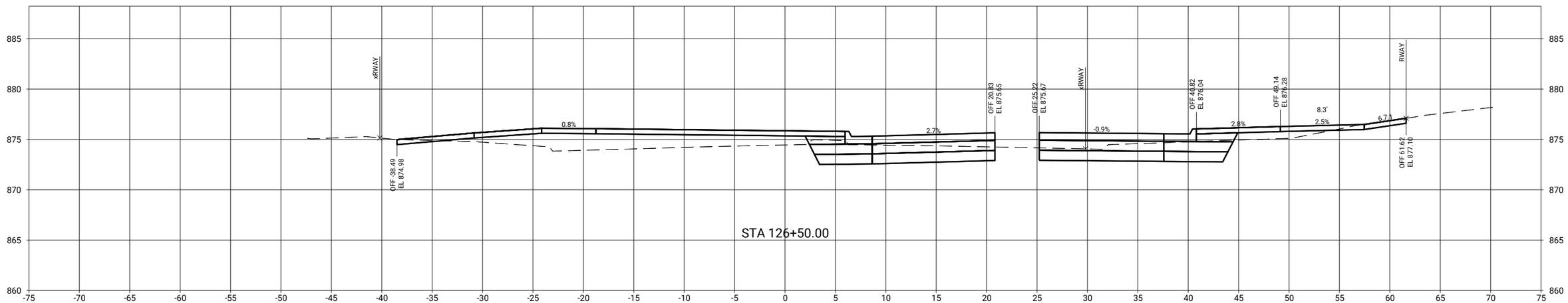
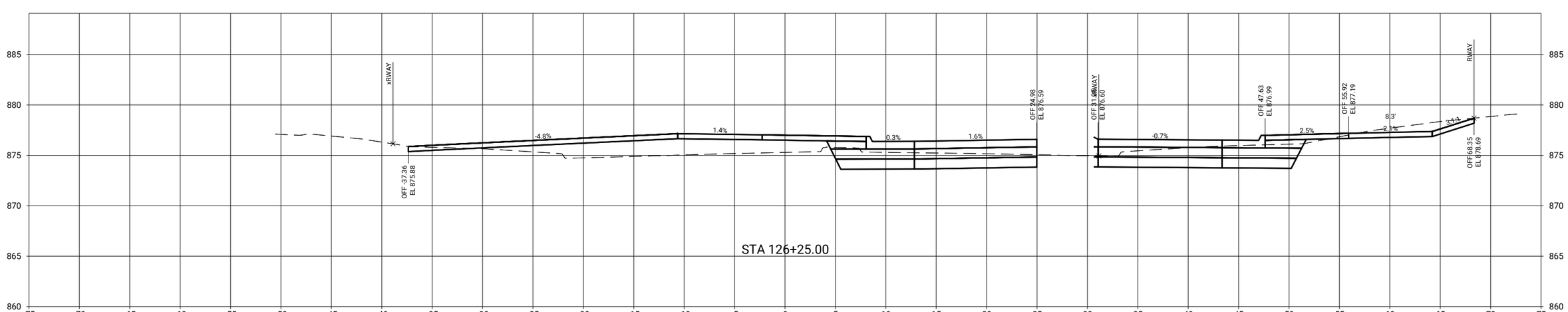
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

12TH STREET
SIDE ROAD CROSS SECTIONS

SHEET NO.
X.28
STBG-SWAP-1185(657)







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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

12TH STREET
SIDE ROAD CROSS SECTIONS

SHEET NO.
X.29
STBG-SWAP-1185(657

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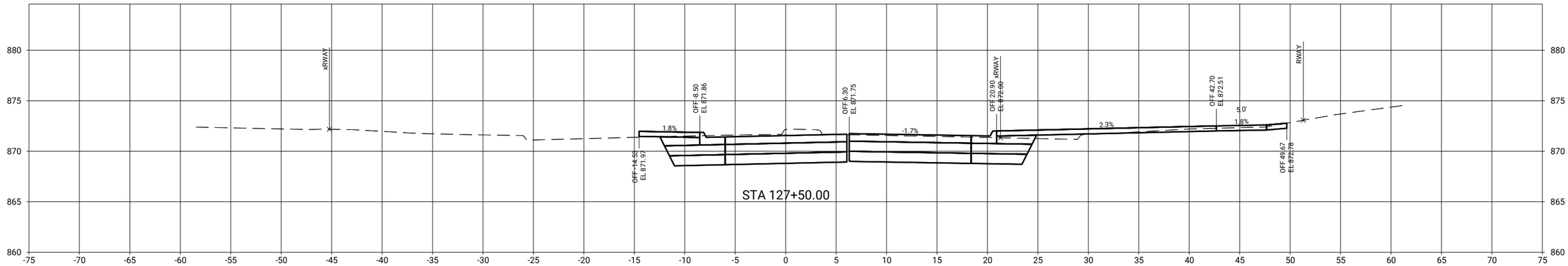

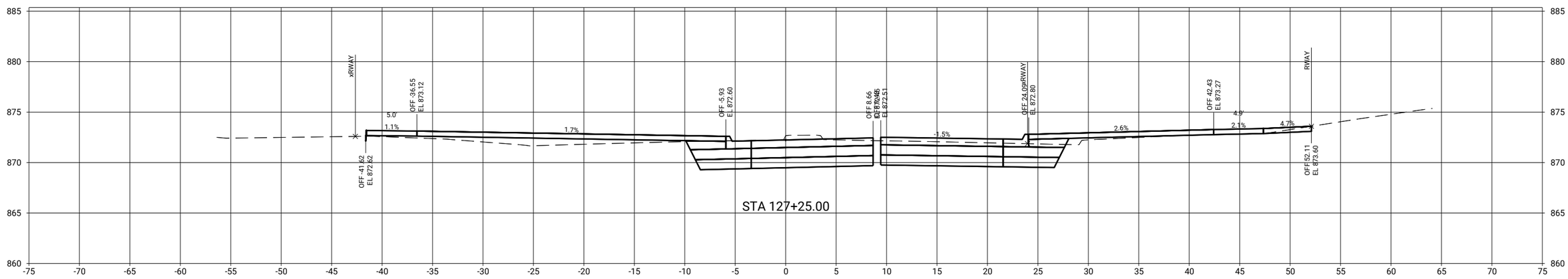

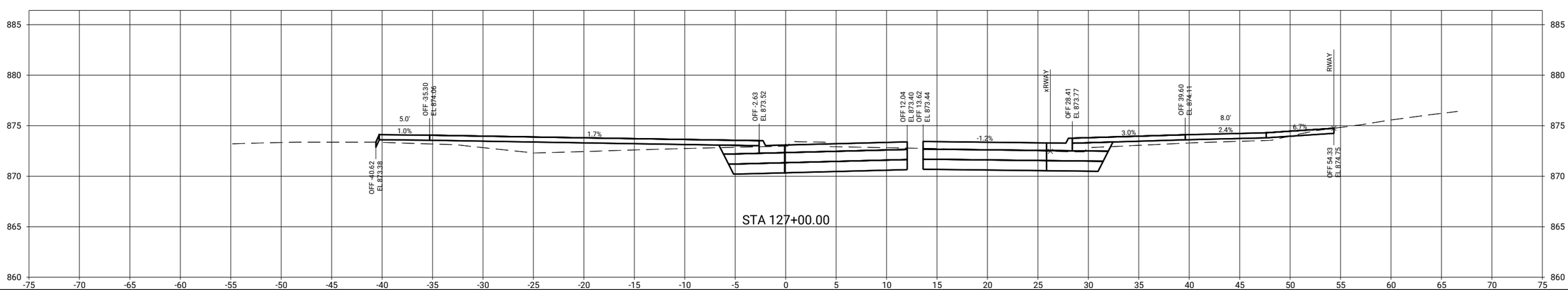

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NO	DATE	BY	REVISION DESCRIPTION

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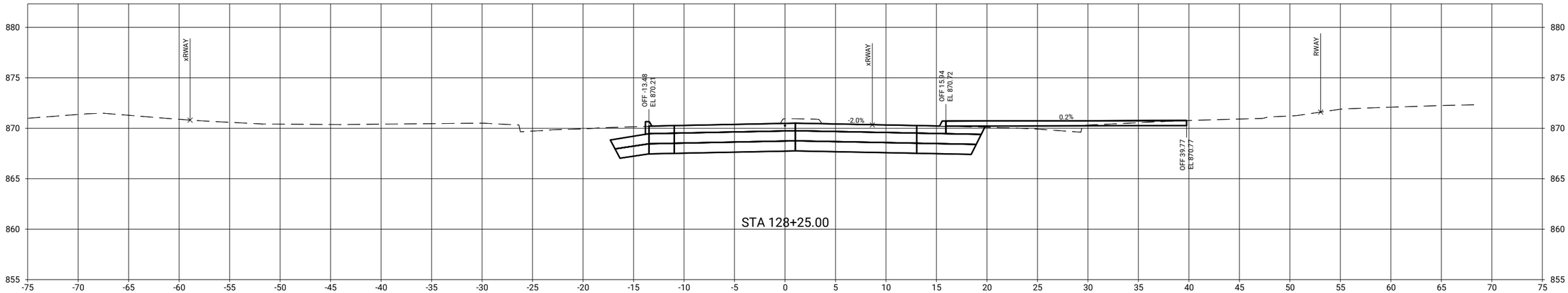
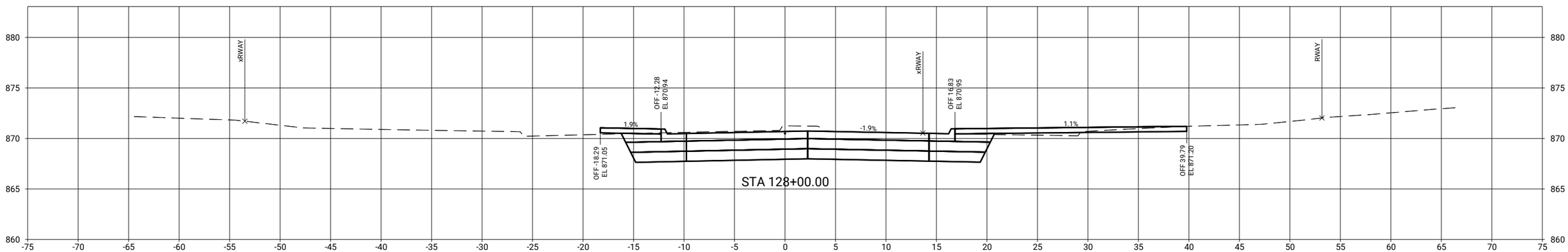
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

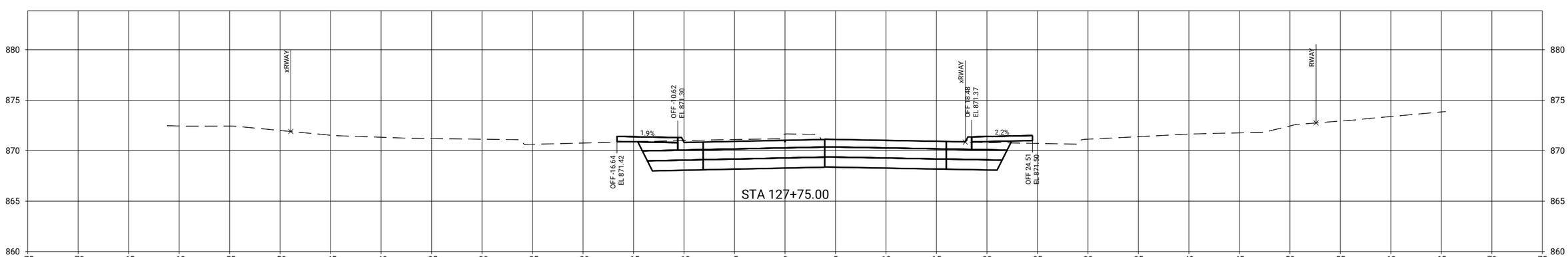
12TH STREET
SIDE ROAD CROSS SECTIONS

SHEET NO.
X.30

STBG-SWAP-1185(657







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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

12TH STREET
SIDE ROAD CROSS SECTIONS

SHEET NO.
X.31
STBG-SWAP-1185(657

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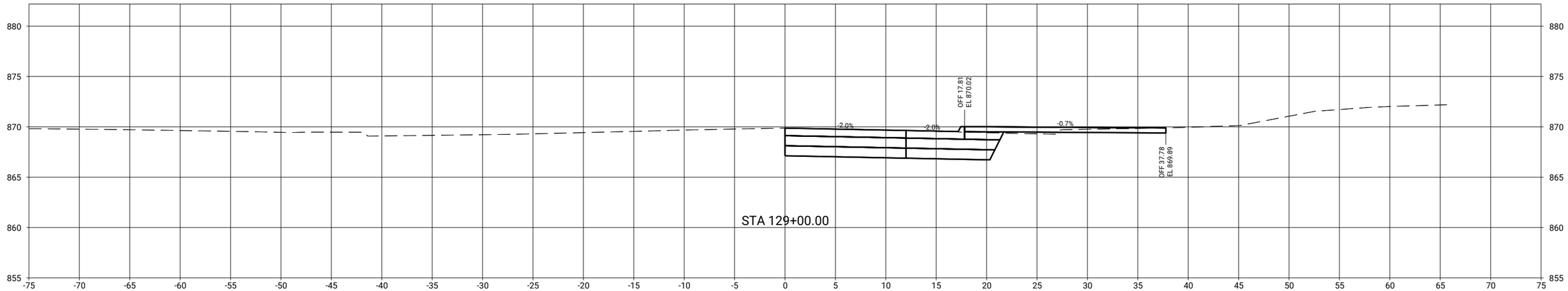

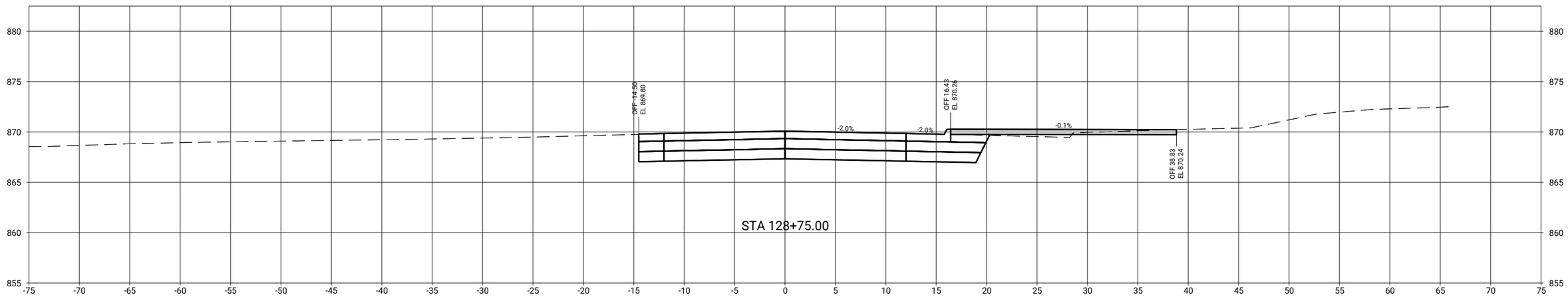

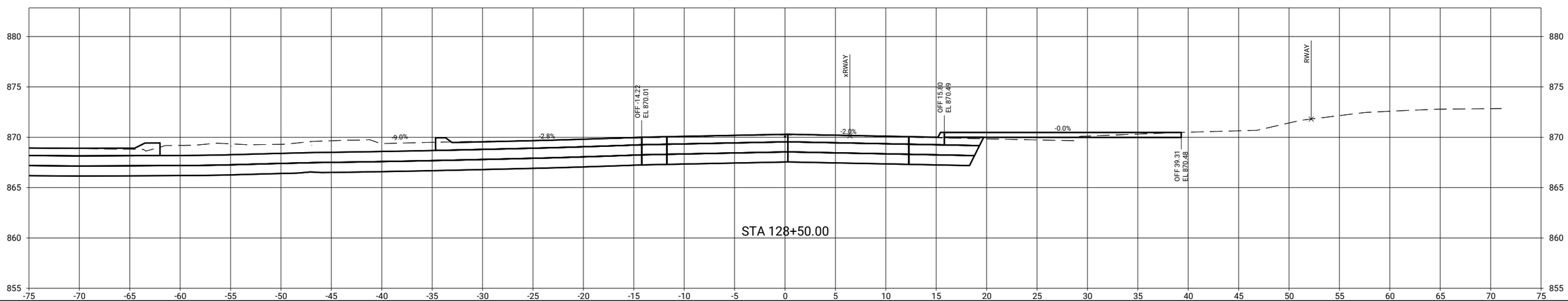

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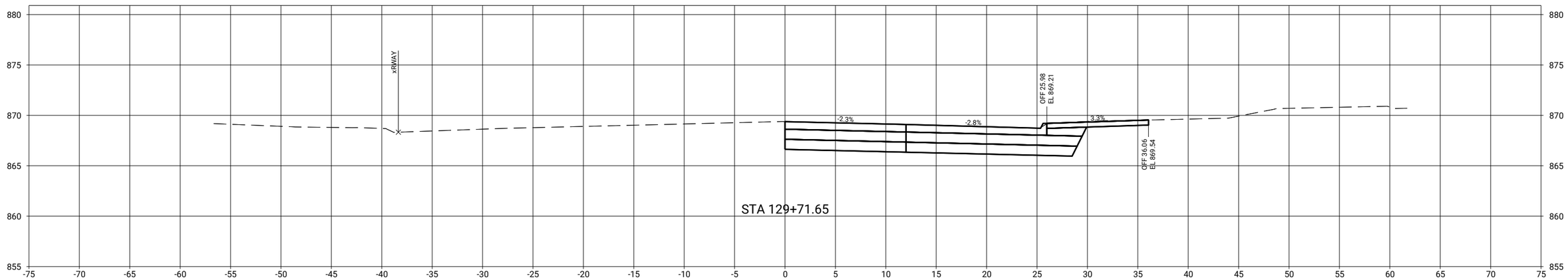
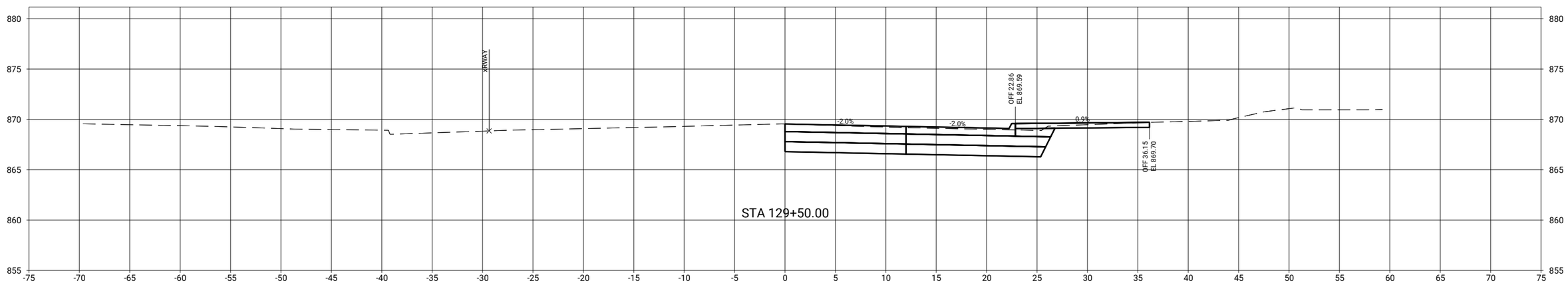
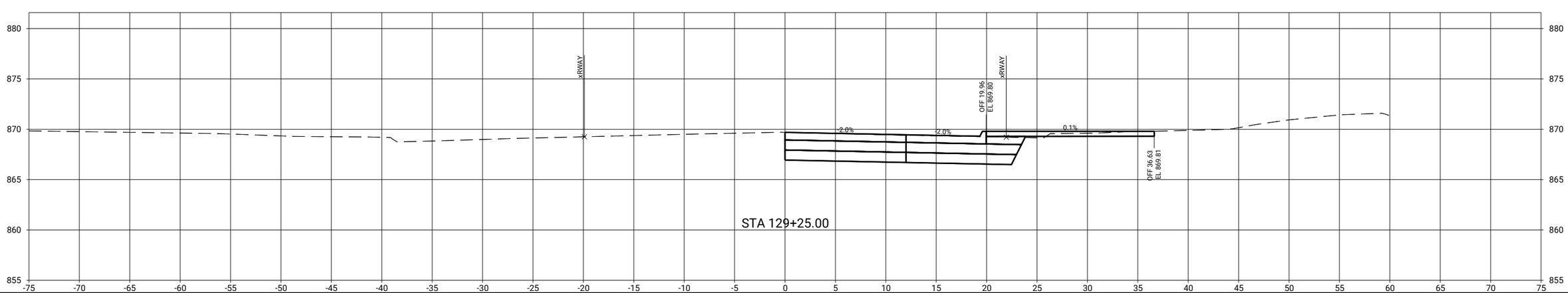
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

12TH STREET
SIDE ROAD CROSS SECTIONS

SHEET NO.
X.32
STBG-SWAP-1185(657







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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

12TH STREET
SIDE ROAD CROSS SECTIONS

SHEET NO.
X.33

STBG-SWAP-1185(657

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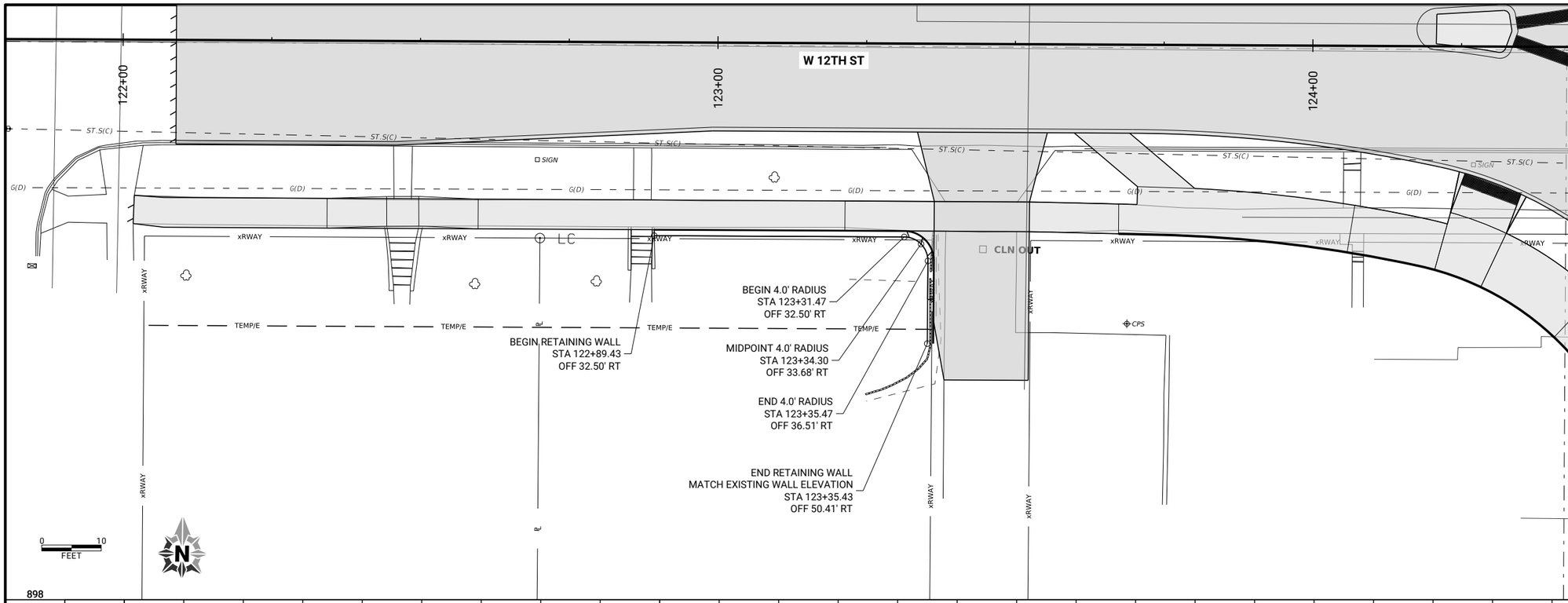

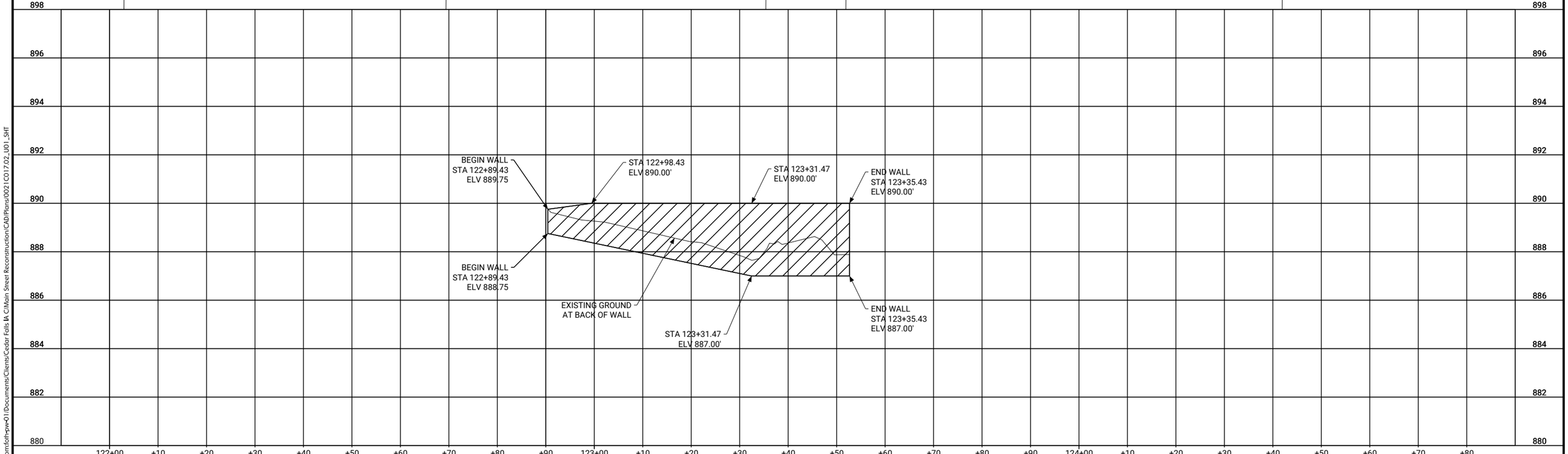

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

12TH STREET
RETAINING WALL PLAN AND PROFILE

SHEET NO.
U.1

STBG-SWAP-1185(657

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General Notes:

1. The RCB culvert sections are designed for HL-93 live load and earth fills of 2' to 4'.
2. Vertical earth pressure, EV=0.120 kcf.
   Horizontal earth pressure, EHmax = 0.060 kcf max, EHmin = 0.030 kcf.
3. The RCB culvert sections are designed for Class 1 exposure conditions.
4. All slab and floor reinforcing steel is to be supported at intervals of not more than 3'-0" in either direction as outlined in the Standard Specifications.
5. Except for dowel bars 5r1 in slab, longitudinal reinforcing is not to extend thru the construction joints.
6. Floor of barrel is to be finished smooth. Sides of footing are to be formed to insure correct line and grade.
7. The permissible construction joint at the top of the walls may be lowered at the Contractor's option with Engineer's approval.
8. The reinforcement supplied for this structure shall be Grade 60 reinforcement in accordance with the Standard Specifications. The design stresses are based on ASTM A706 Grade 60 reinforcement.
9. The vertical bars in the walls may be spliced above the footing at the Contractor's option as follows:

Bar Size Number	4	5	6	7	8	9
Minimum Splice Length	20"	24"	29"	34"	38"	47"

This splice, if used, will be at the Contractor's expense.

10. Reinforcing bar clearances will be as follows:
    Edge clearances: 2" except
    Top of floor 2¼" to near transverse reinforcing bar
    Bottom of floor 3½" to near transverse reinforcing bar
    End clearances:
    Vertical top 2"
    Vertical bottom 3" or 3 ½" if overall height of the culvert is not to a full inch
    Transverse 2"
11. All construction joints shall be formed with a beveled keyway.
12. All beveled keyways shall be centered.
13. Keyway size shall be 2"x4" except as follows:
    Keyway between the floor and wall shall be 2"x6".
14. Keyway dimensions shown on the plans are based on nominal dimensions unless stated otherwise. In addition, the bevel used on the keyway shall be limited to a maximum of 10 degrees from vertical.
15. All dimensions are in feet and inches unless otherwise noted or shown.
16. See current Standard Specifications regarding concrete form removal.
17. These culvert standards label all reinforcing steel with English notation (5a1 is ⅝ inch diameter bar). English reinforcing steel received in the field may display the following "bar designation". The "bar designation" is the stamped impression on the reinforcing bars, and is equivalent to the bar diameter in millimeters.

English Size	4	5	6	7	8	9
Bar Designation	13	16	19	22	25	29

General Notes Cont'd.:

18. All reinforcing bars and bars noted as dowels supplied for this structure shall be deformed reinforcement unless otherwise noted or shown.
19. Utility companies and municipalities whose facilities are shown on the plans or known to be within the construction limits shall be notified by the Contractor of the construction starting date.
20. When de-watering presents a problem for placing the curtain walls as detailed, alternate methods such as steel sheet pile and precast concrete walls may be approved but at no additional cost. The culvert Contractor is to submit to the Engineer for approval complete drawings of the proposed curtain wall alternate before beginning construction.
21. The roadway will be closed to traffic during construction. See traffic control plan note.
22. Excess class 20 excavation material suitable for backfilling shall be stockpiled at the construction site, as directed by the Engineer.
23. The class 20 excavation quantity is based on the assumption that at the start of culvert construction, the existing ground line shown on the "Situation Plan" for this design has remained undisturbed and no roadway fill has been placed.
24. The lump sum bid for "Removal of Existing Structures" shall include removal of the 56' x 72' Two Span Rigid Frame and retaining walls. Removals shall be in accordance with Section 2401, of the Standard Specifications.

Estimated Culvert Quantities

Item No.	Item Code	Item	Unit	Total	As Built Quantity
1	2107-0425020	Compacting Backfill Adjacent to Bridges, Culverts or Structures	CY	274	
2	2401-6745650	Removal of Existing Structures	LS	1	
3	2402-0425040	Flooded Backfill	CY	174	
4	2402-2720000	Excavation, Class 20	CY	5036	
5	2402-3825025	Granular Material for Blanket	CY	509	
6	2403-0100020	Structural Concrete (RCB)	CY	1447.8	
7	2404-7775000	Reinforcing Steel	LB	243,535	
8	2414-6460000	Ornamental Metal Railing	LF	259.9	

Item No.	Estimate Reference Information
2	Includes removal of existing Two-Span Rigid Frame and retaining walls.
3	Includes furnishing and placing subdrains, floodable backfill, porous backfill, sump, water for flooding and pumping. Refer to sheet V.23 for details.
5	Includes placement beneath culvert barrel and headwalls. Material shall comply with Section 4118 of the Standard Specifications.
6	Includes certified plant inspection.

Specifications:

Design:
AASHTO LRFD Bridge Design Specifications, 8th Ed., Series of 2017.

Construction:
Iowa Department of Transportation Standard Specifications for Highway and Bridge Construction, current series, plus applicable General Supplemental Specifications, Developmental Specifications, Supplemental Specifications and Special Provisions

Design Stresses:

Design stresses for the following materials are in accordance with the AASHTO LRFD Bridge Design Specifications, 8th Ed., Series of 2017:
Reinforcing steel in accordance with AASHTO LRFD Section 5, Grade 60.
Concrete in accordance with AASHTO LRFD Section 5, f'c = 4.0 ksi.

Traffic Control Plan Note:
The roadway will be closed to thru traffic. Refer to the traffic control plan shown elsewhere in these plans.

Note:
Roadway quantities shown elsewhere in these plans.

Note:
Pollution prevention plan shown elsewhere in these plans.

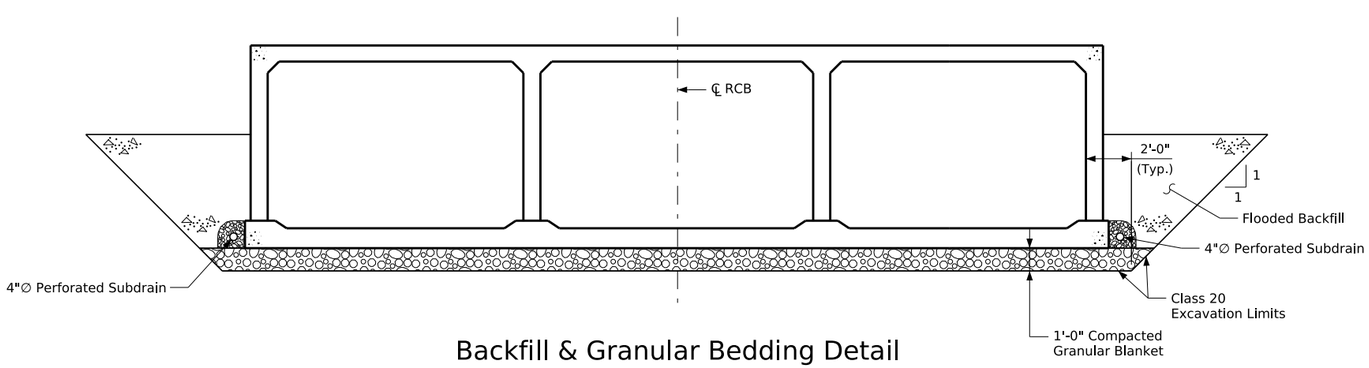
Summary of Reinforcing Steel

Location	Quantity	Total
Mod. Triple 16x14 Headwall, 0° Skew (1 Req'd)	1 at 21,416	21,416
Mod. Triple 16x14 Headwall, 45° Skew (1 Req'd)	1 at 30,927	30,927
35'-0" Barrel Section (2 Req'd)	2 at 39,242	78,484
12'-0" Barrel End Section (1 Req'd)	1 at 13,455	13,455
32'-3" Barrel End Section (1 Req'd)	1 at 36,159	36,159
25'-0" Bend Section (2 Req'd)	2 at 31,050	62,100
5r1 Bars (5 Sets Req'd)	5 at 193	965
5v1 Bars (1 Set Req'd)	1 at 29	29
	Total (LB)	243,535

Concrete Placement Quantities

Location	Footing	Walls	Slab	Total
Mod. Triple 16x14 Headwall, 0° Skew (1 Req'd)	1 at 97.1 = 97.1	✳1 at 68.3 = 68.3	---	165.4
Mod. Triple 16x14 Headwall, 45° Skew (1 Req'd)	1 at 149.2 = 149.2	✳1 at 96.2 = 96.2	---	245.4
35'-0" Barrel Section (2 Req'd)	2 at 72.4 = 144.8	2 at 82.1 = 164.2	2 at 66.4 = 132.8	441.8
12'-0" Barrel End Section (1 Req'd)	1 at 24.8 = 24.8	1 at 28.2 = 28.2	1 at 22.8 = 22.8	75.8
32'-3" Barrel End Section (1 Req'd)	1 at 66.7 = 66.7	1 at 75.7 = 75.7	1 at 61.2 = 61.2	203.6
25'-0" Bend Section (2 Req'd)	2 at 51.7 = 103.4	2 at 58.7 = 117.4	2 at 47.5 = 95.0	315.8
Total (CY)	586.0	550.0	311.8	1447.8

✳ Includes parapet.



Backfill & Granular Bedding Detail

LICENSED PROFESSIONAL ENGINEER
THOMAS J. CIHA
17951
IOWA

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Thomas J. Ciha 08/31/22
THOMAS J. CIHA, P.E. DATE
License Number: 17556
My license renewal date is DECEMBER 31, 2023.
Pages or sheets covered by this seal:
V.1 - V.44

DESIGN FOR VARIABLE SKEW

TRIPLE 16'-0" X 14'-0" X 164'-3" REINFORCED CONCRETE BOX CULVERT

GENERAL NOTES & ESTIMATED QUANTITIES

STA. 1009+73.75, ℄ MAIN STREET

11/15/2022

SHEET NO. V.1

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: S. INGERSOLL CHECKED BY: S. INGERSOLL DRAWN BY: J. EIFFLER
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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

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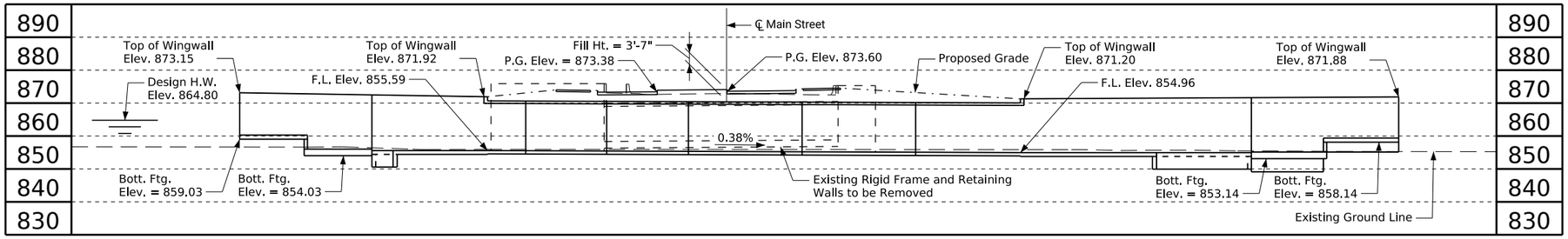
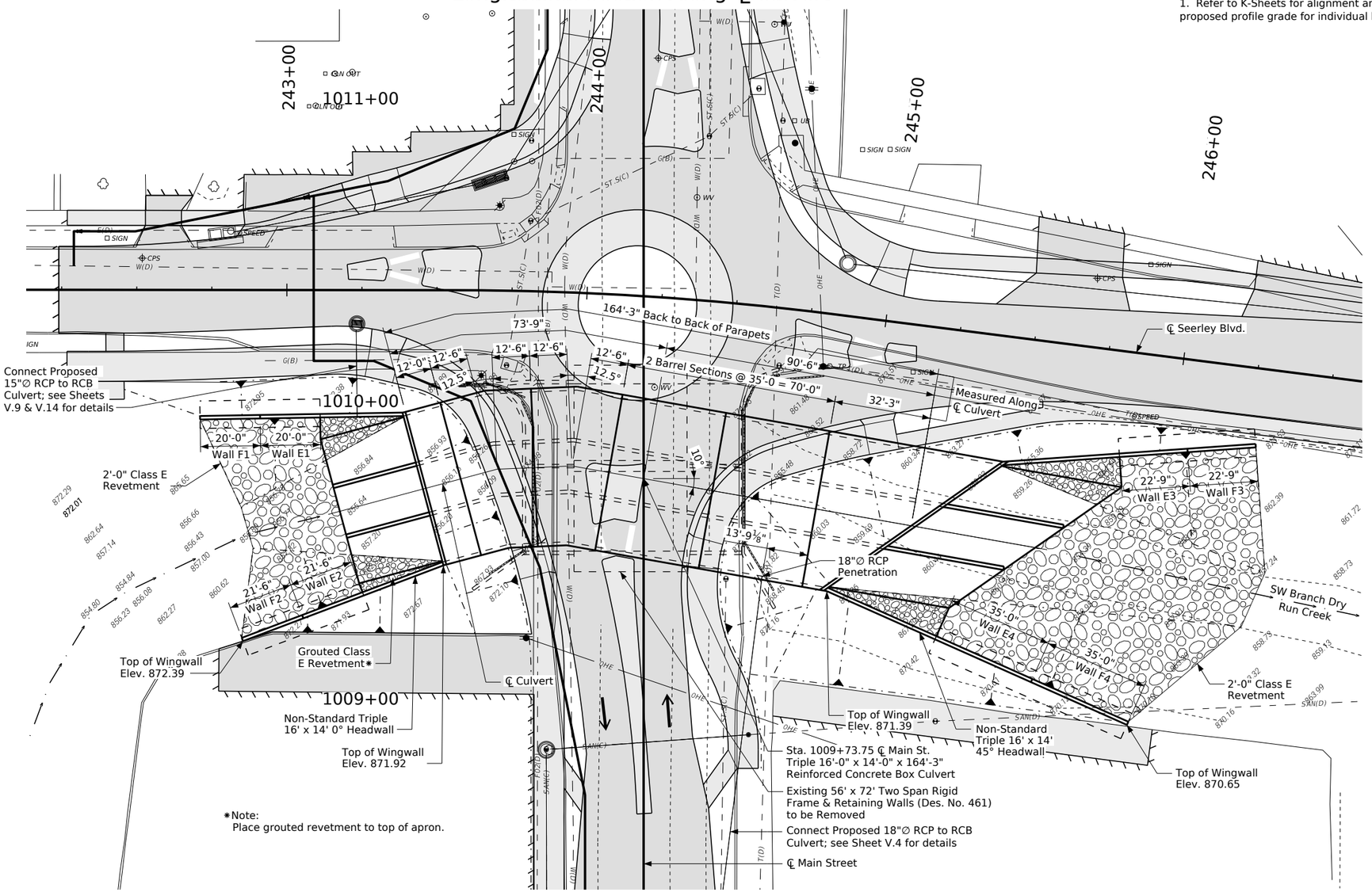
Bench Mark No. 2 - Cut 'X' in hydrant bolt at NE quadrant of Main St. & E. Seerley Blvd., Elev. 872.30'



Longitudinal Section Along ℄ Culvert

Note:
1. Refer to K-Sheets for alignment and proposed profile grade for individual lanes.



Situation Plan

Hydraulic Data

Drainage Area = 9.6 Sq. MI.
Q_{50} Design Discharge = 3840 CFS
Q_{50} Design HW Elev. = 864.80
Q_{100} Discharge = 4830 CFS
Q_{100} HW Elev. = 866.03
Q_{500} Discharge = 7700 CFS
Stream Slope = 15.8 Ft./MI.

Utilities Legend:

E - Cedar Falls Utilities
FO2 - Century Link
G - Cedar Falls Utilities
OHE - Cedar Falls Utilities
SAN - City of Cedar Falls
ST.S. - City of Cedar Falls
T - Century Link

Traffic Estimate

2017 AADT 11,200 V.P.D.

Location

Main Street Over
SW Branch Dry Run Creek
T-89N R-14W
Section 13
Cedar Falls Township
Blackhawk County
City Of Cedar Falls
Latitude 42.515759°
Longitude -92.445853°

N
0 20
FEET

DESIGN FOR VARIABLE SKEW

TRIPLE 16'-0" X 14'-0" X 164'-3" REINFORCED CONCRETE BOX CULVERT

SITUATION PLAN

STA. 1009+73.75, ℄ MAIN STREET

SHEET NO. **V.2**

11/15/2022

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

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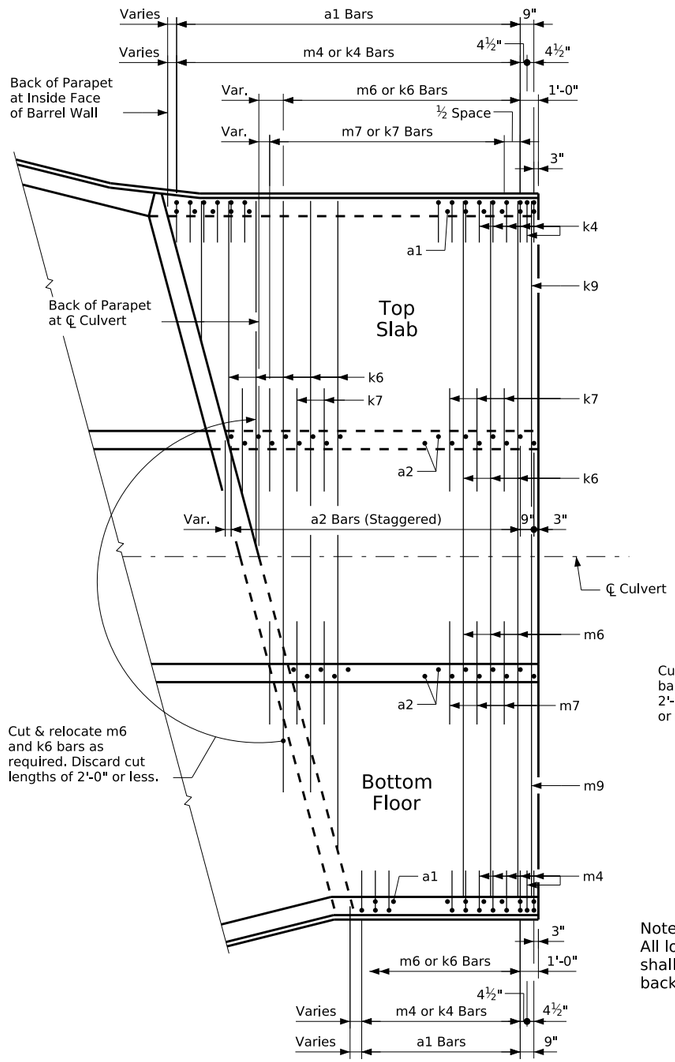
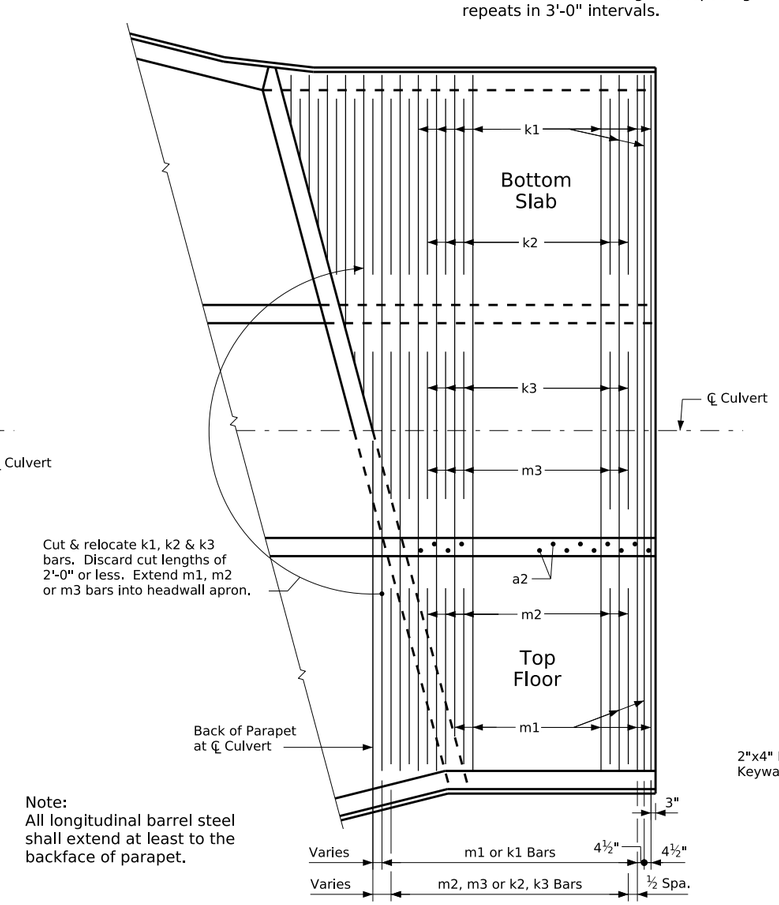
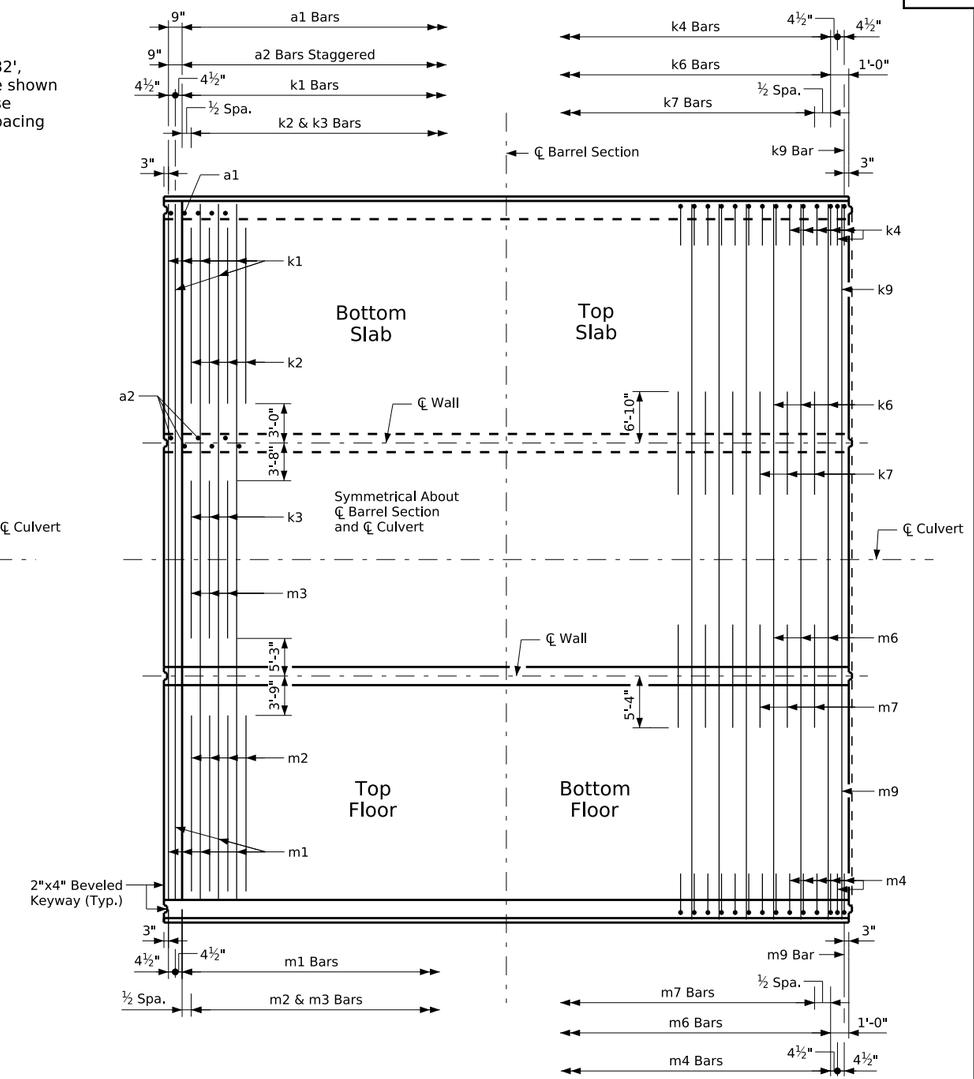




End Section Plan Views

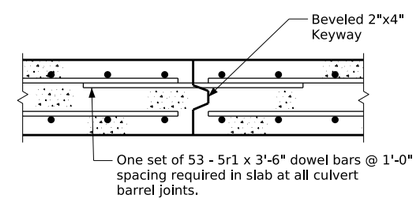
(Keyways not shown)

Note:
End section details shown are for a 15° skew barrel. Use for 45° skew by increasing the number of transverse reinforcing bars required to be cut and relocated.



Standard Section Plan View

Note:
Dimensions listed on this sheet to be used in conjunction with dimensions and quantities for barrel section sheets.



Top Slab Construction Joint Detail

DESIGN FOR VARIABLE SKEW

TRIPLE 16'-0" X 14'-0" X 164'-3" REINFORCED CONCRETE BOX CULVERT

CULVERT BARREL DETAILS

STA. 1009+73.75, ℄ MAIN STREET

SHEET NO. **V.3**

11/15/2022

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

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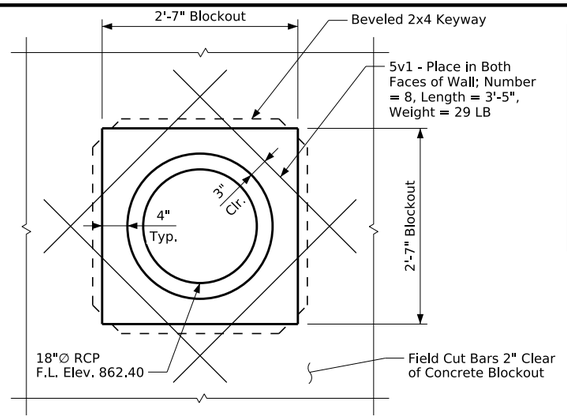


Wall Penetration Detail

Dimensions and Quantities for Triple 16' x 14' Barrel Section

Bar List

Fill	a1 Size	a1 Sp.	a1 L	a2 Size	a2 Sp.	a2 L	b1 Size	b1 Sp.	b1 No.	b2 Size	b2 Sp.	b2 No.	e1 Size	e1 Sp.	e1 No.	e2 Size	e2 Sp.	e2 No.	f1 Size	f1 Sp.	f1 No.	f2 Size	f2 Sp.	f2 No.	k1 Size	k1 Sp.	k1 L	k2 Size	k2 Sp.	k2 L	k3 Size	k3 Sp.	k3 L	k4 Size	k4 Sp.	k4 L	k4 H	k4 V	k6 Size	k6 Sp.	k6 L	k7 Size	k7 Sp.	k7 L
2' to 4'	5	12	15'-10"	8	9	15'-10"	4	6	56	4	6	58	4	12	45	4	18	36	4	12	51	4	18	36	6	9	52'-4"	5	9	12'-6"	5	9	9'-10"	8	9	11'-7"	7'-1"	4'-6"	5	9	52'-4"	6	9	14'-3"

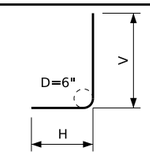
Bar List

Fill	k9 Size	k9 Sp.	k9 L	m1 Size	m1 Sp.	m1 L	m2 Size	m2 Sp.	m2 L	m3 Size	m3 Sp.	m3 L	m4 Size	m4 Sp.	m4 L	m4 H	m4 V	m6 Size	m6 Sp.	m6 L	m7 Size	m7 Sp.	m7 L	m9 Size	m9 Sp.	m9 L
2' to 4'	6	--	52'-4"	6	12	52'-10"	6	12	11'-1"	4	12	6'-8"	8	9	20'-7"	6'-2"	14'-5"	5	9	52'-10"	7	9	10'-9"	7	--	52'-10"

Quantities

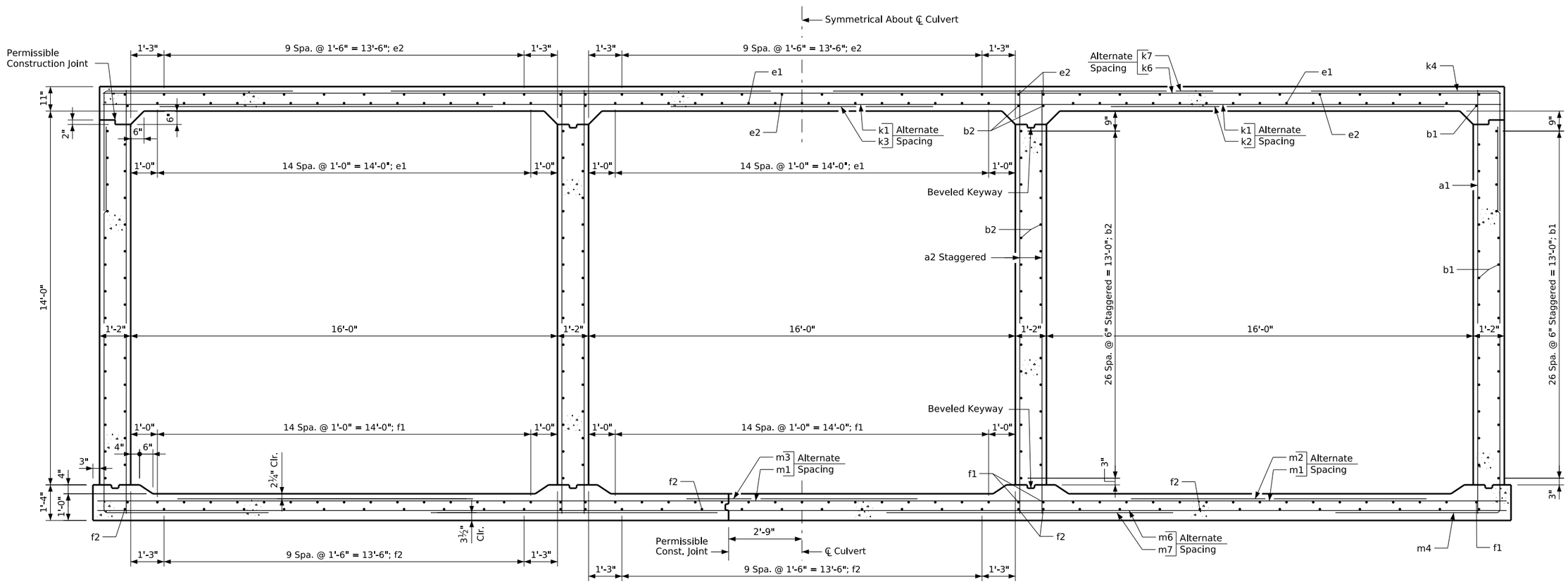
Concrete (CY/FT) Slab	Floor	Walls	Total	Steel (LB/FT)
1.898	2.068	2.346	6.312	1121.21

Bent Bar Detail



k4 & m4

Note:
All dimensions are out to out.
D = pin diameter.



Triple 16' x 14' Barrel Section
(Looking East)

DESIGN FOR VARIABLE SKEW

TRIPLE 16'-0" X 14'-0" X 164'-3" REINFORCED CONCRETE BOX CULVERT

CULVERT BARREL DETAILS

STA. 1009+73.75, ℄ MAIN STREET

11/15/2022

SHEET NO.
V.4

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: S. INGERSOLL CHECKED BY: S. INGERSOLL DRAWN BY: J. EIFFLER
LETTING DATE: 11/15/2022 CAD DATE: 8/30/2022 2:16:54 PM
CAD FILE: c:\pw_workdir\pw_ie\jae\d0518380\0021C017.02_BRG.dgn

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

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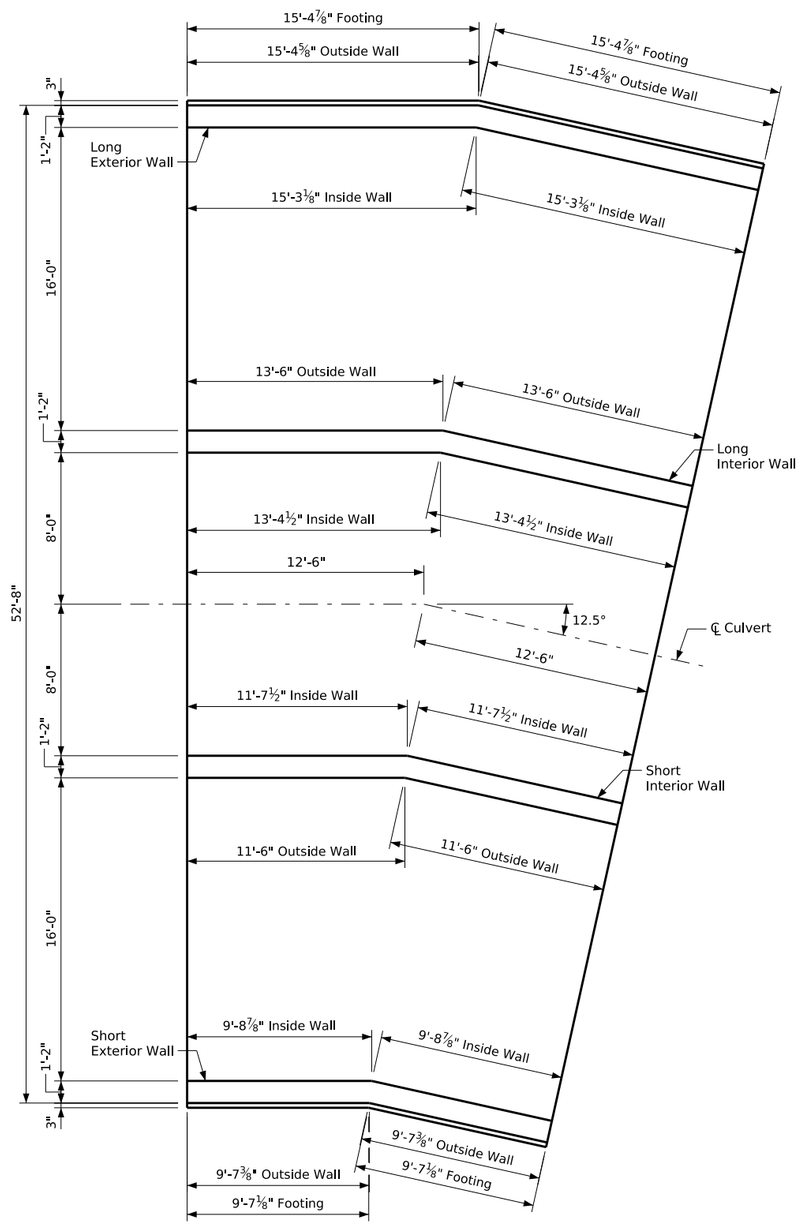
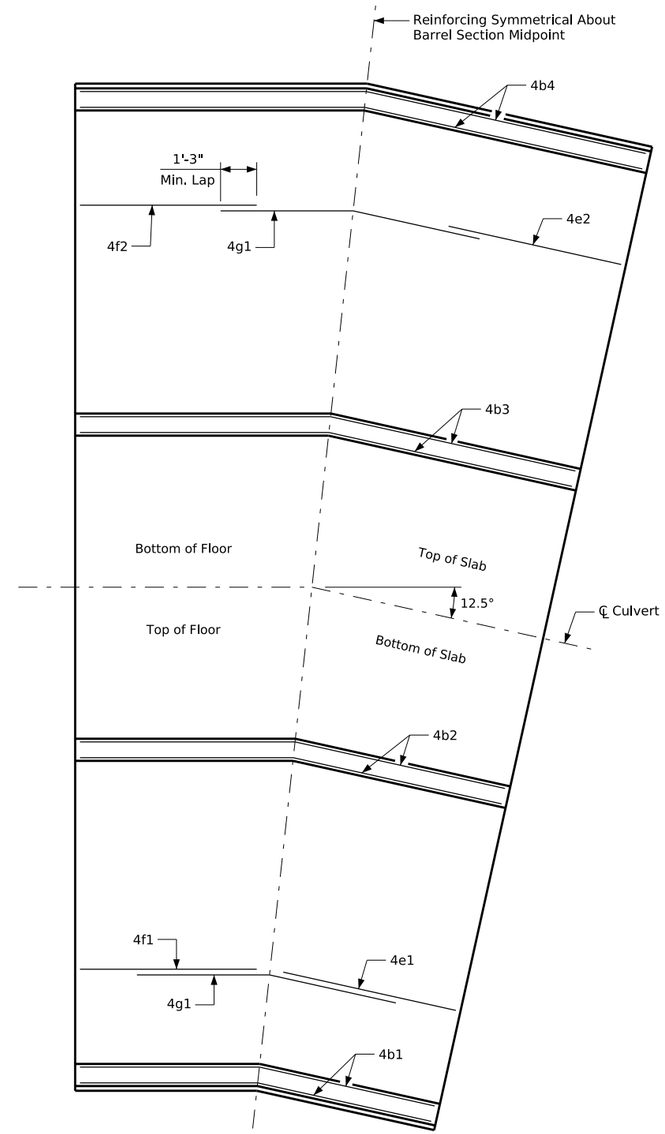


Plan Dimensions
(Floor and Walls)



Plan
(Longitudinal Reinforcing)

DESIGN FOR VARIABLE SKEW

TRIPLE 16'-0" X 14'-0" X 164'-3" REINFORCED CONCRETE BOX CULVERT

25'-0" BEND SECTION DETAILS

STA. 1009+73.75, ℄ MAIN STREET

SHEET NO.

V.5

11/15/2022

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: S. INGERSOLL CHECKED BY: S. INGERSOLL DRAWN BY: J. EIFFLER
LETTING DATE: 11/15/2022 CAD DATE: 8/30/2022 2:16:55 PM
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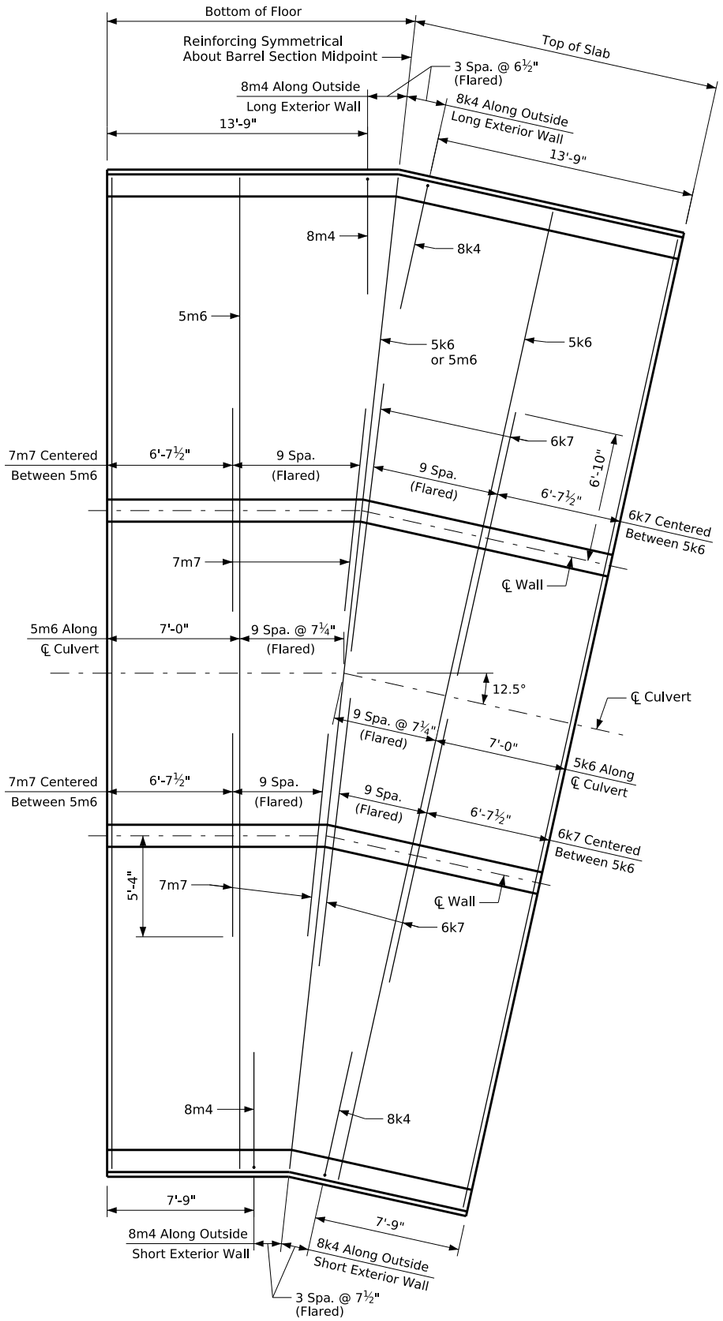
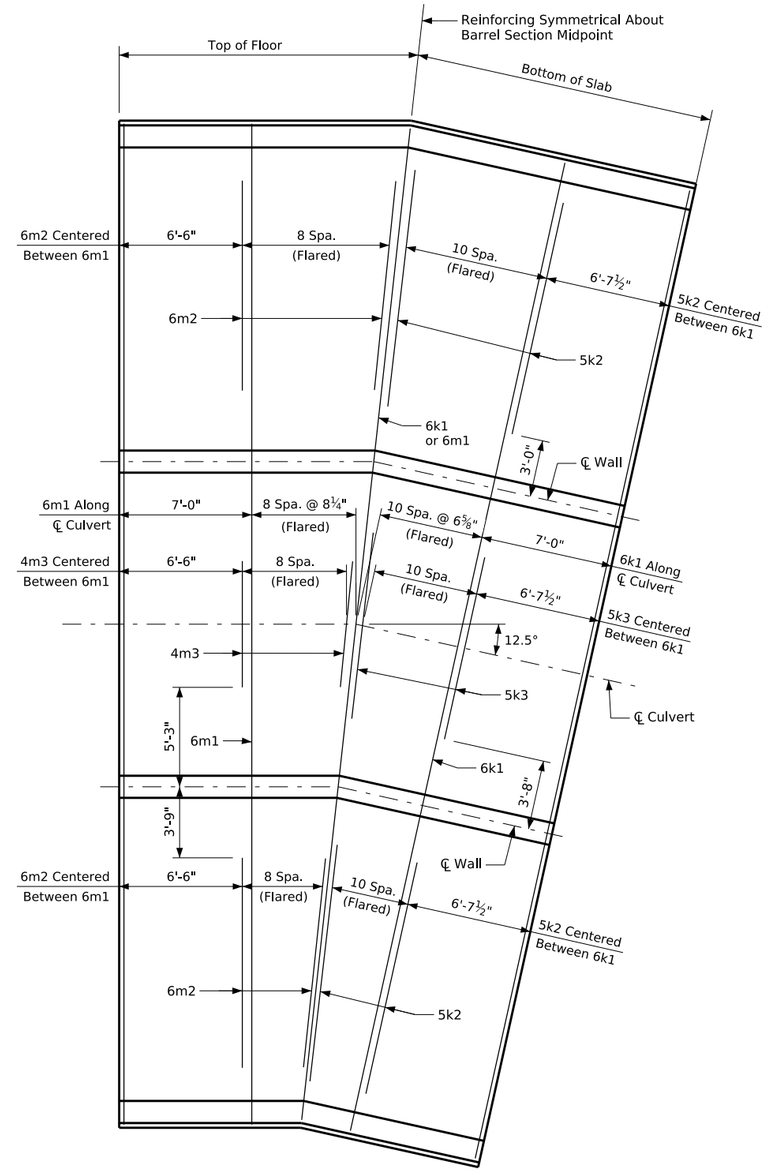
Bar	End Spacing	
	Long Wall	Short Wall
5k6 & 5m6	11⅛"	3½"
6k1	10"	3⅛"
6m1	1'-0⅝"	3⅞"



Plan - Transverse Reinforcing

(Top of Slab and Bottom of Floor)



Plan - Transverse Reinforcing

(Bottom of Slab and Top of Floor)

Note:
Rotate 6k1, 5k6, 6m1 and 5m6 bars through 12.5° bend as shown. Refer to table on this sheet for bar end spacing values.

DESIGN FOR VARIABLE SKEW

TRIPLE 16'-0" X 14'-0" X 164'-3" REINFORCED CONCRETE BOX CULVERT

25'-0" BEND SECTION DETAILS

STA. 1009+73.75, ℄ MAIN STREET

11/15/2022

SHEET NO.

V.6

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: S. INGERSOLL CHECKED BY: S. INGERSOLL DRAWN BY: J. EIFFLER
LETTING DATE: 11/15/2022 CAD DATE: 8/30/2022 2:16:55 PM
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CEDAR FALLS, IA

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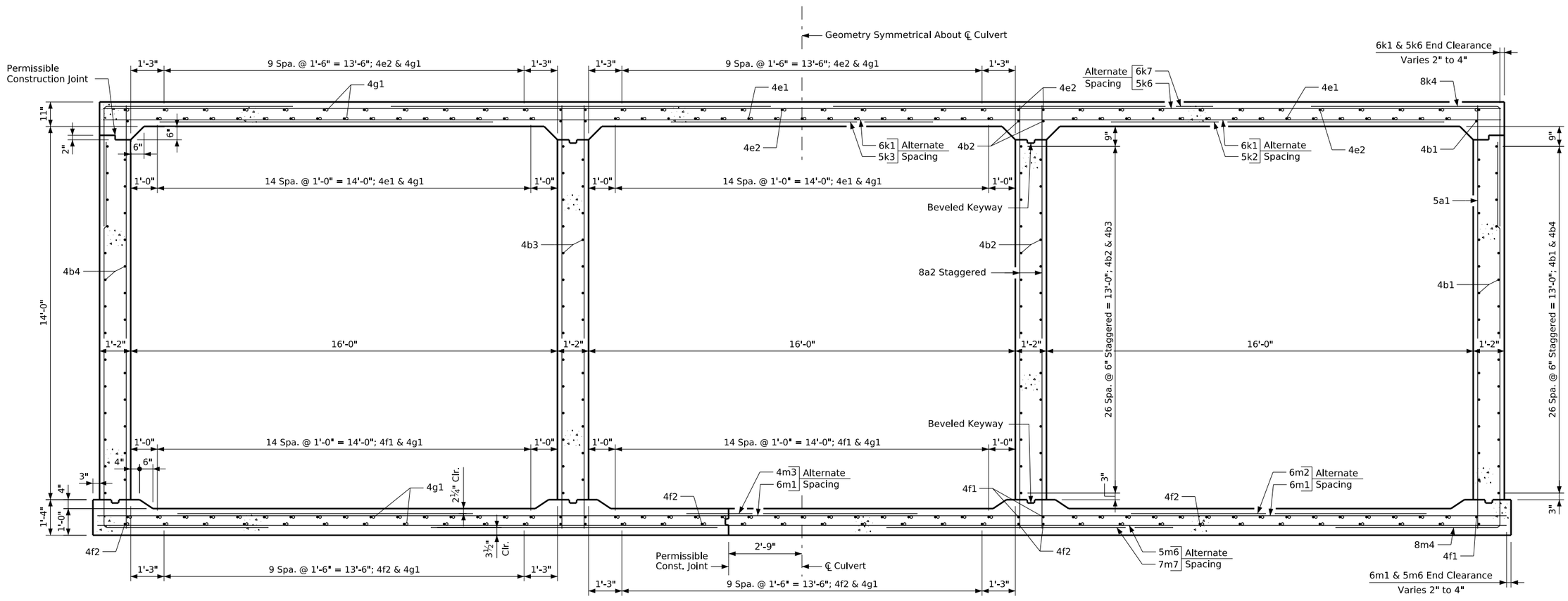

Triple 16' x 14' Barrel Section at 12.5° Bend

(Looking East)

DESIGN FOR VARIABLE SKEW

TRIPLE 16'-0" X 14'-0" X 164'-3" REINFORCED CONCRETE BOX CULVERT

25'-0" BEND CROSS SECTION

STA. 1009+73.75, ℄ MAIN STREET

SHEET NO.

V.7

11/15/2022

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: S. INGERSOLL CHECKED BY: S. INGERSOLL DRAWN BY: J. EIFFLER
LETTING DATE: 11/15/2022 CAD DATE: 8/30/2022 2:16:56 PM
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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET

CEDAR FALLS, IA

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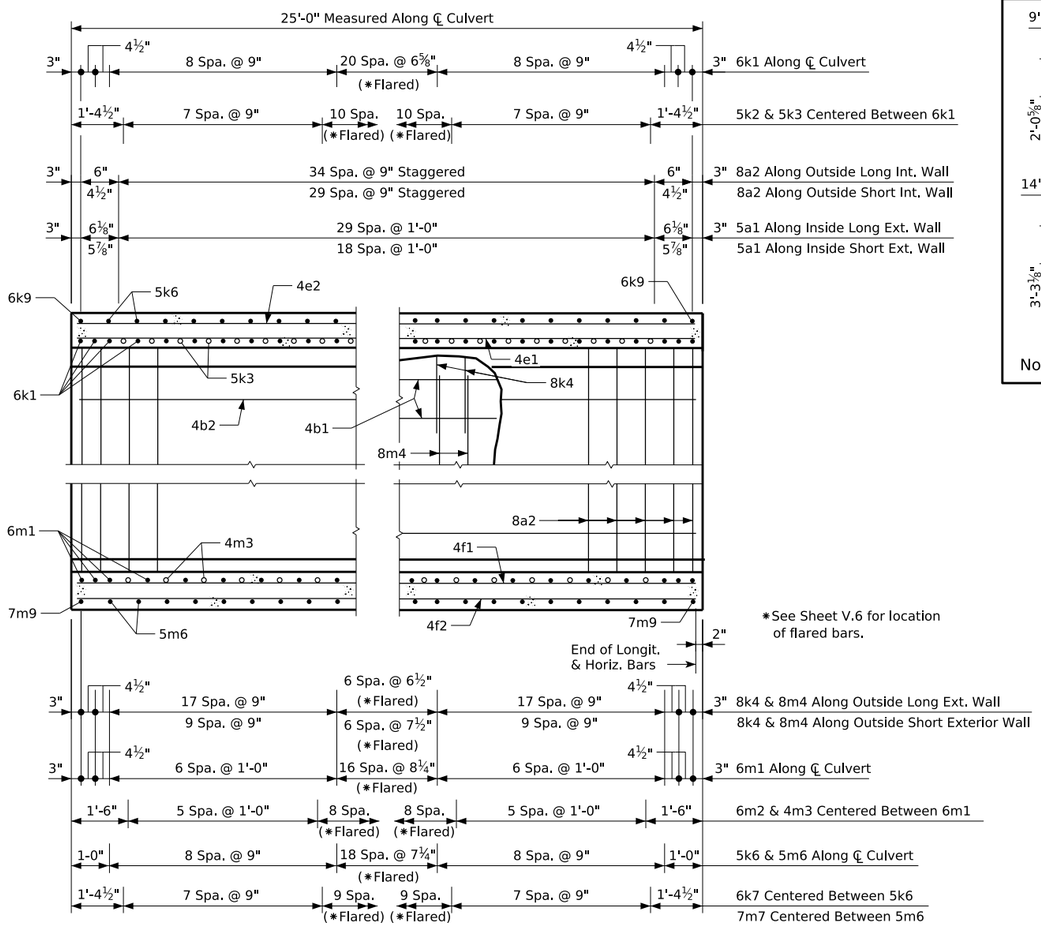
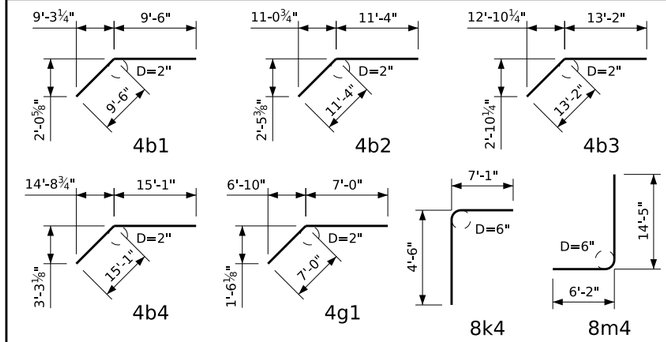


Part Longitudinal Section

(Along ℄ Culvert)

Bent Bar Details



Note: All Dimensions are out to out. D = Pin Diameter.

Reinforcing Bar List - 25'-0" Bend Section

Bar	Location	Shape	No.	Length	Weight
5a1	Exterior Walls, F.F.V.	——	53	15'-10"	875
8a2	Interior Walls, Both F.V.	——	69	15'-10"	2917
4b1	Short Exterior Wall, Both F.H.	—\	28	19'-0"	355
4b2	Short Interior Wall, Both F.H.	—\	29	22'-8"	439
4b3	Long Interior Wall, Both F.H.	—\	29	26'-4"	510
4b4	Long Exterior Wall, Both F.H.	—\	28	30'-2"	564
4e1	Slab, Longit., Bott.	——	90	9'-4"	561
4e2	Slab, Longit., Top	——	72	9'-4"	449
4f1	Floor, Longit., Top	——	102	9'-4"	636
4f2	Floor, Longit., Bott.	——	72	9'-4"	449
4g1	Slab & Floor Longit. Corner	—\	168	14'-0"	1571
6k1	Slab, Transv., Bott.	——	41	52'-4"	3223
5k2	Slab, Transv., Bott.	——	72	12'-6"	939
5k3	Slab, Transv., Bott.	——	36	9'-10"	369
8k4	Slab Corner, Top	┌	74	11'-7"	2289
5k6	Slab, Transv., Top	——	35	52'-4"	1910
6k7	Slab, Transv., Top	——	68	14'-3"	1455
6k9	Slab, Transv., Top	——	2	52'-4"	157
6m1	Floor, Transv., Top	——	33	52'-10"	2619
6m2	Floor, Transv., Top	——	56	11'-1"	932
4m3	Floor, Transv., Top	——	28	6'-8"	125
8m4	Floor Corner, Bott.	└	74	20'-7"	4067
5m6	Floor, Transv., Bott.	——	35	52'-10"	1929
7m7	Floor, Transv., Bott.	——	68	10'-9"	1494
7m9	Floor, Transv., Bott.	——	2	52'-10"	216
				Reinforcing Steel - Total (LB)	31,050

Concrete Placement Quantities

Location	Total
Floor	51.7
Walls	58.7
Slab	47.5
Total (CY)	157.9

Note:
See Sheet V.7 for barrel cross section.

DESIGN FOR VARIABLE SKEW

TRIPLE 16'-0" X 14'-0" X 164'-3" REINFORCED CONCRETE BOX CULVERT

25'-0" BEND SECTION DETAILS

STA. 1009+73.75, ℄ MAIN STREET

11/15/2022

SHEET NO.

V.8

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: S. INGERSOLL CHECKED BY: S. INGERSOLL DRAWN BY: J. EIFFLER
LETTING DATE: 11/15/2022 CAD DATE: 8/30/2022 2:16:56 PM
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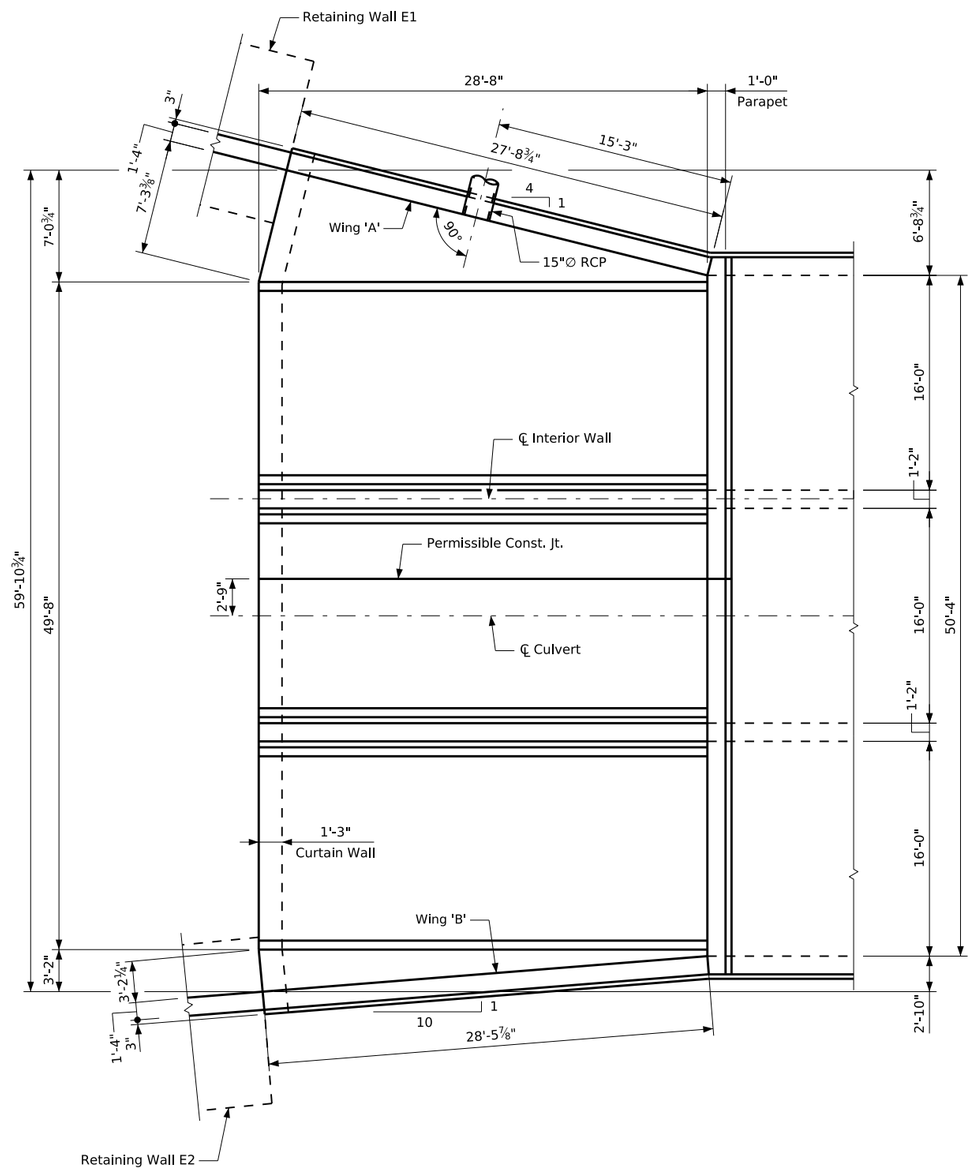

Plan View

Note:
See Sheets V.24 thru V.29 for retaining wall details.

DESIGN FOR VARIABLE SKEW

TRIPLE 16'-0" X 14'-0" X 164'-3" REINFORCED CONCRETE BOX CULVERT

WEST HEADWALL DETAILS

STA. 1009+73.75, ℄ MAIN STREET

11/15/2022

SHEET NO.

V.9

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: S. INGERSOLL	CHECKED BY: S. INGERSOLL	DRAWN BY: J. EIFFLER	
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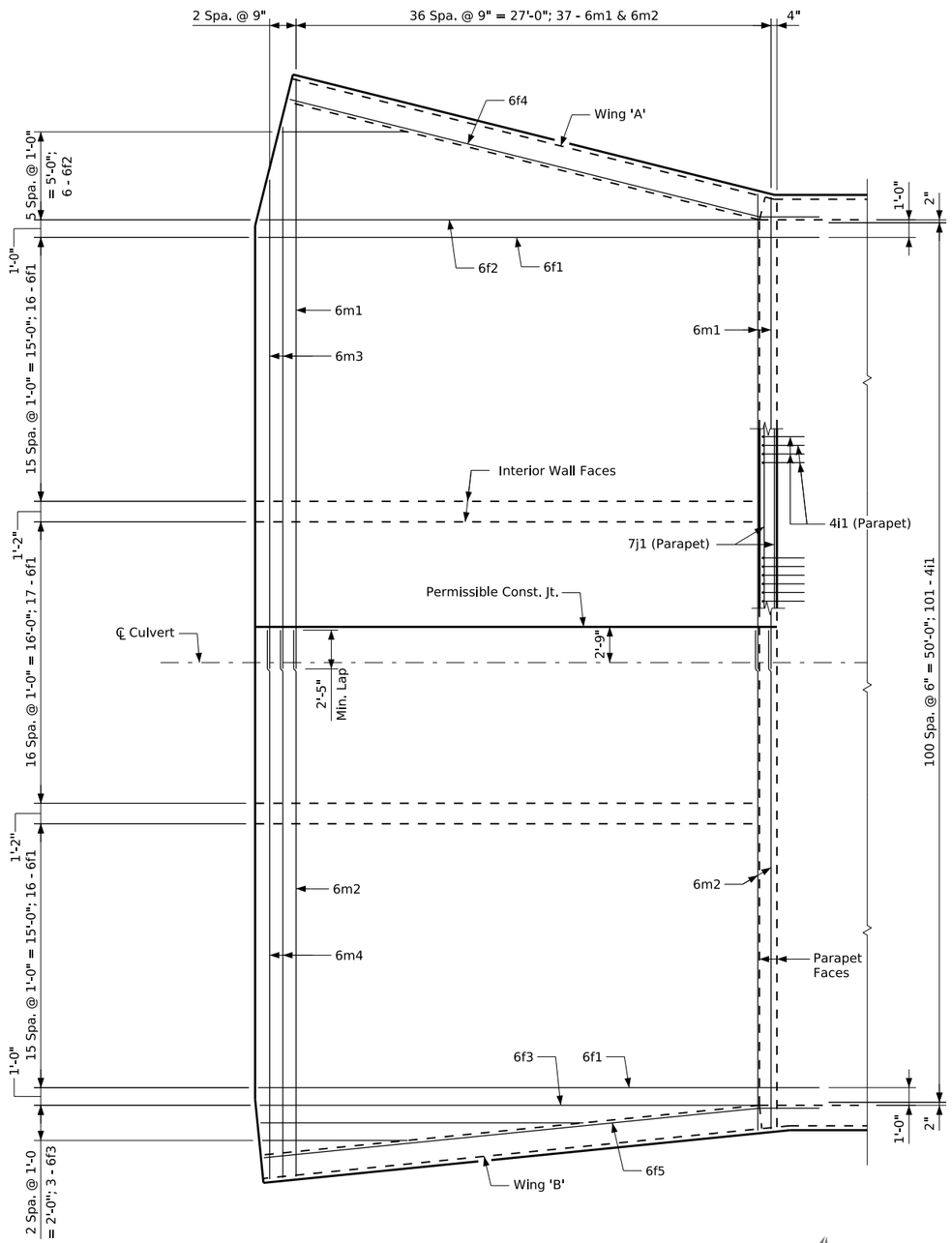

Plan View - Top of Apron Reinforcing

DESIGN FOR VARIABLE SKEW

TRIPLE 16'-0" X 14'-0" X 164'-3" REINFORCED CONCRETE BOX CULVERT

WEST HEADWALL DETAILS

STA. 1009+73.75, ℄ MAIN STREET

SHEET NO.

V.10

11/15/2022

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: S. INGERSOLL CHECKED BY: S. INGERSOLL DRAWN BY: J. EIFFLER
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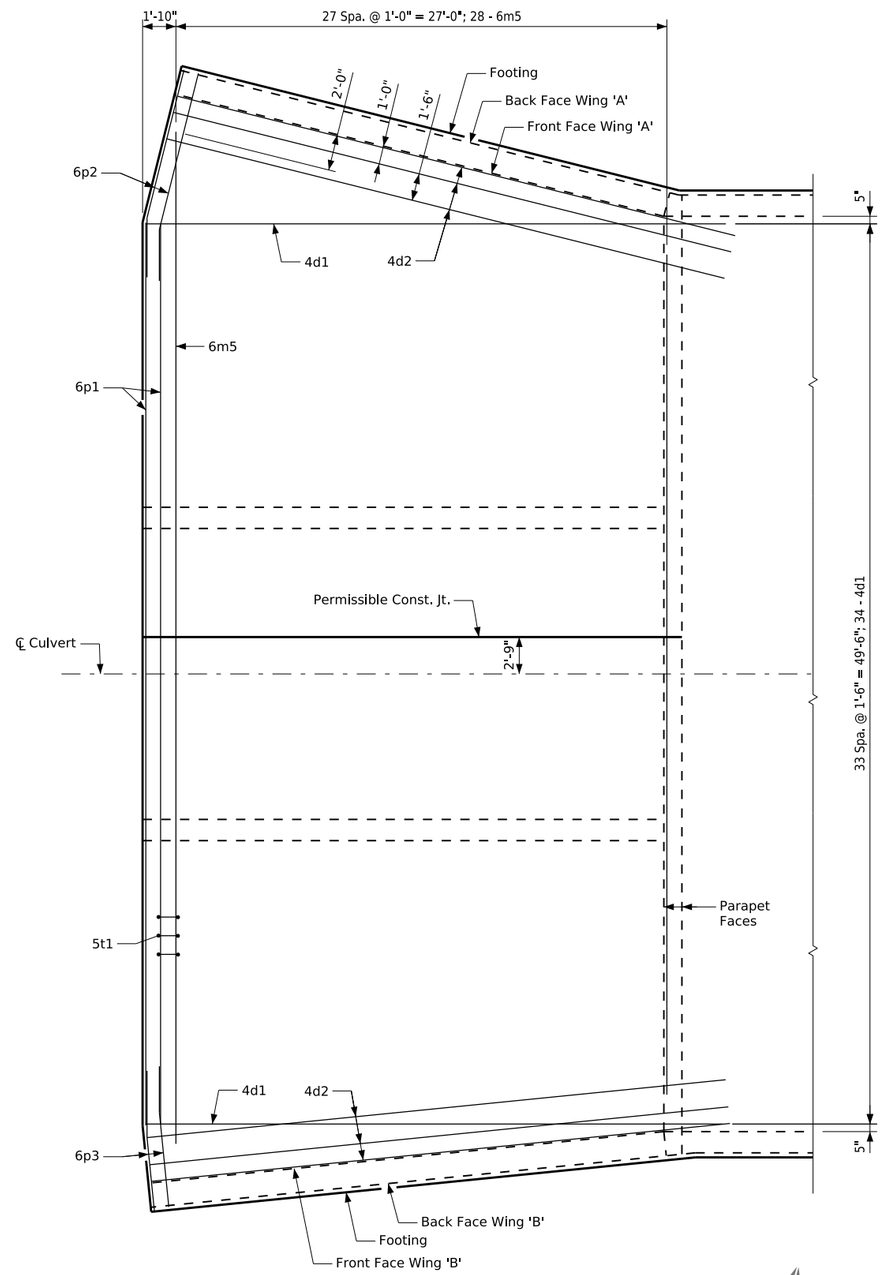

Plan View - Bottom of Apron Reinforcing

DESIGN FOR VARIABLE SKEW

TRIPLE 16'-0" X 14'-0" X 164'-3" REINFORCED CONCRETE BOX CULVERT

WEST HEADWALL DETAILS

STA. 1009+73.75, ℄ MAIN STREET

SHEET NO.

V.11

11/15/2022

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: S. INGERSOLL CHECKED BY: S. INGERSOLL DRAWN BY: J. EIFFLER
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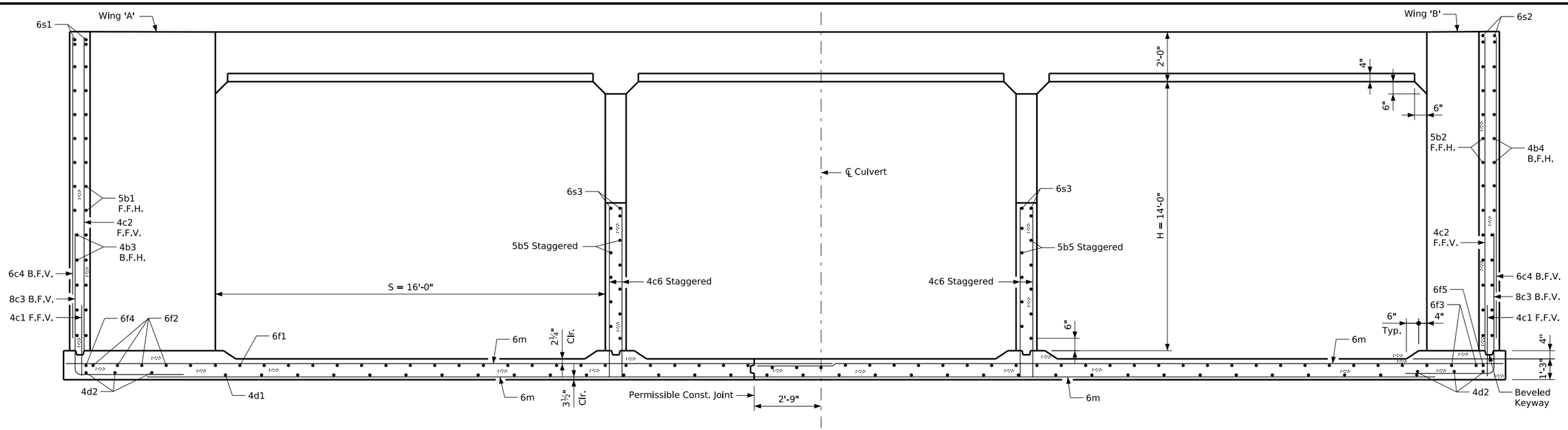
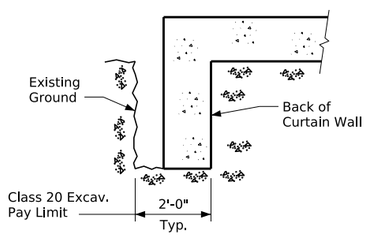
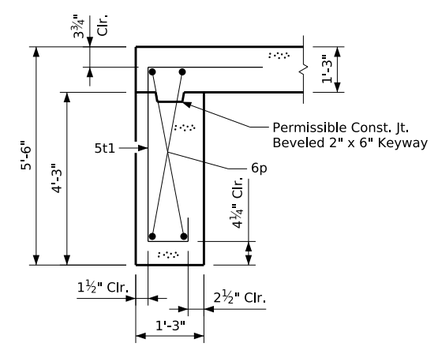


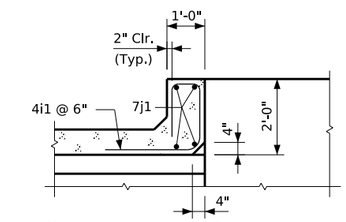
Typical Section - Near Center of Apron



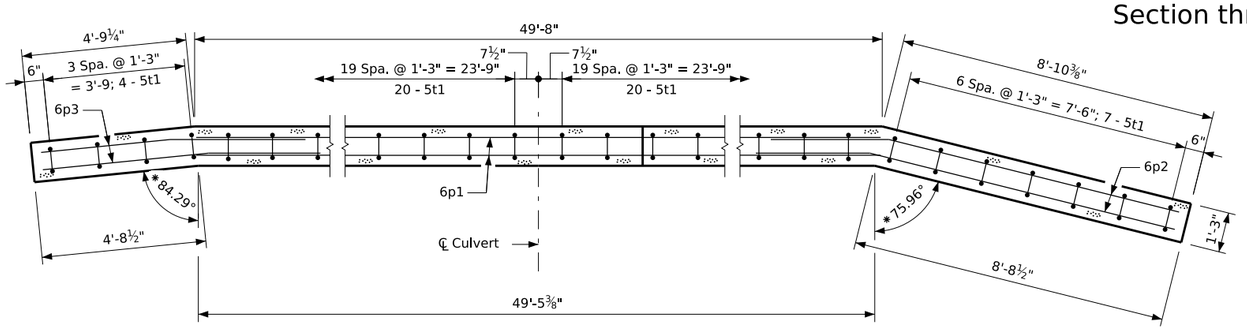
Curtain Wall
Class 20 Excavation



Section thru Curtain Wall

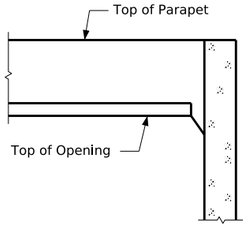


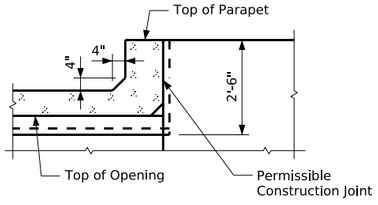
Section thru Parapet



Curtain Wall Plan

* Measured from a line parallel to ℄ Culvert





Top of Wingwall Details

DESIGN FOR VARIABLE SKEW

TRIPLE 16'-0" X 14'-0" X 164'-3" REINFORCED CONCRETE BOX CULVERT

WEST HEADWALL DETAILS

STA. 1009+73.75, ℄ MAIN STREET

SHEET NO. **V.12**

11/15/2022

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: S. INGERSOLL	CHECKED BY: S. INGERSOLL	DRAWN BY: J. EIFFLER	
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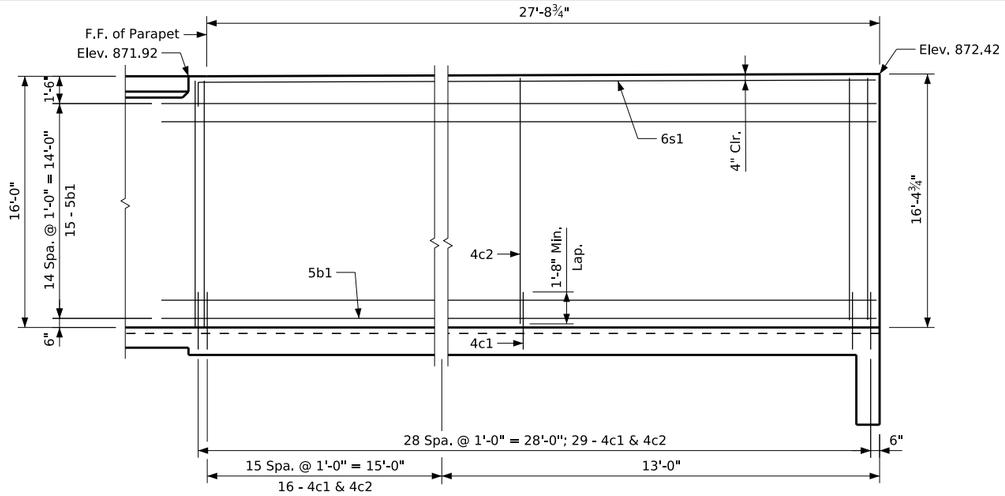
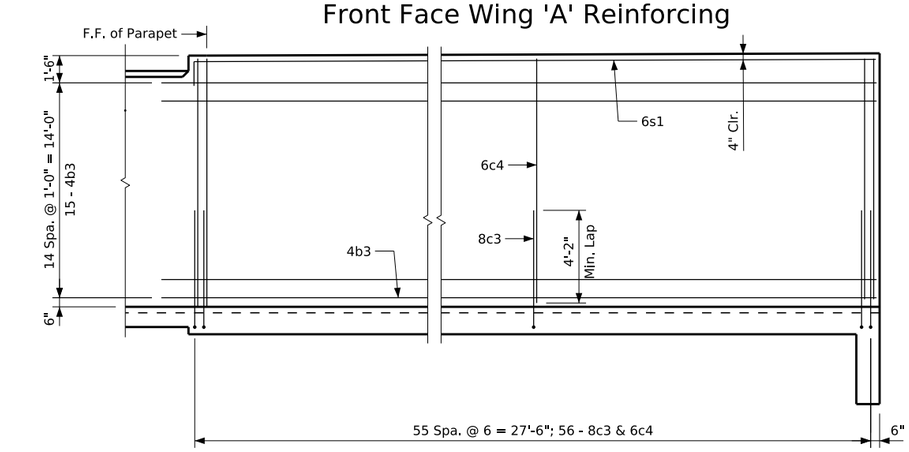
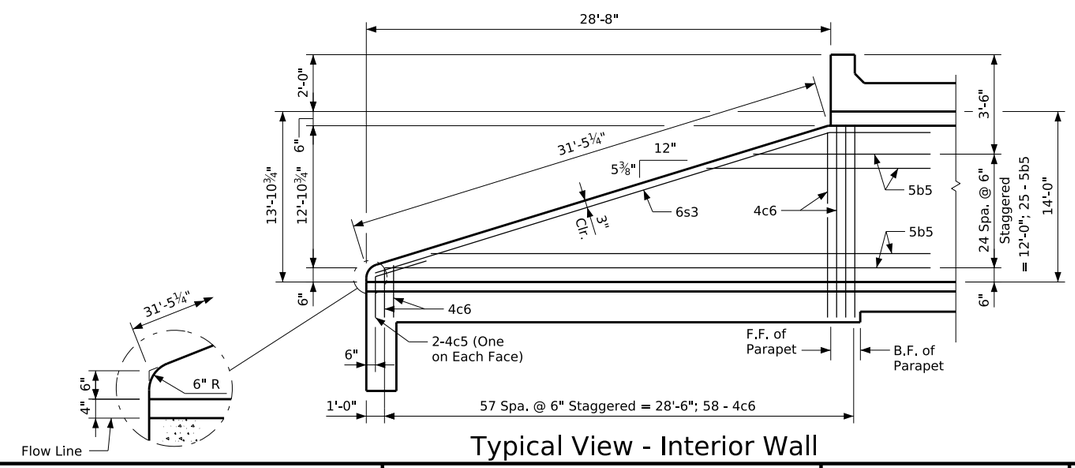
Bench Mark No. 2 - Cut 'X' in hydrant bolt at NE quadrant of Main St. & E. Seerley Blvd., Ele



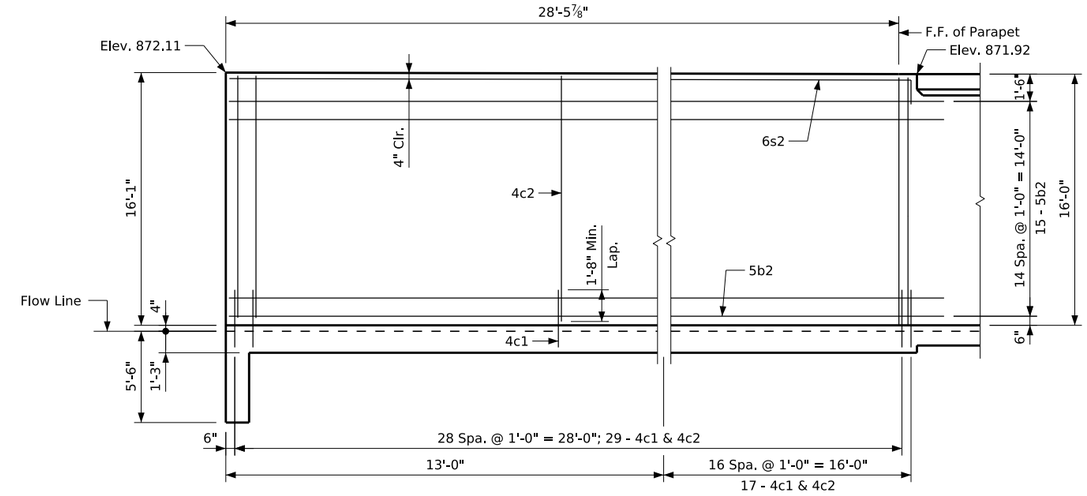
Front Face Wing 'A' Reinforcing



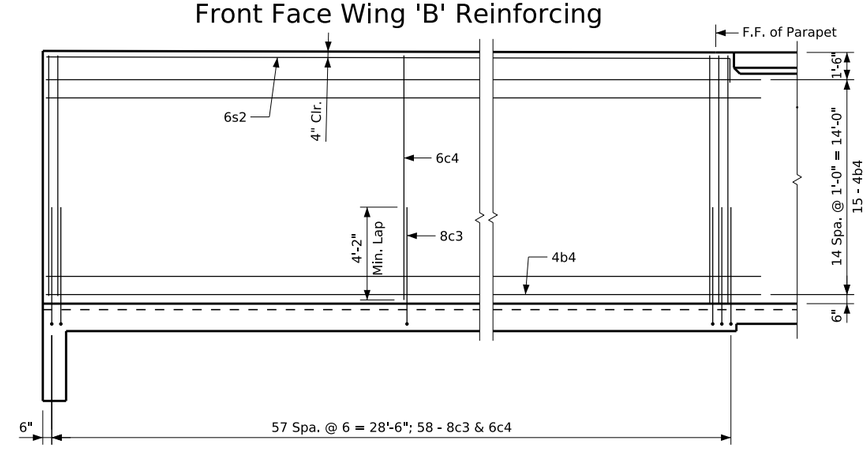
Back Face Wing 'A' Reinforcing



Typical View - Interior Wall



Front Face Wing 'B' Reinforcing



Back Face Wing 'B' Reinforcing

Note:
See Sheet V.9 for location of wing 'A' & 'B'.

DESIGN FOR VARIABLE SKEW

TRIPLE 16'-0" X 14'-0" X 164'-3" REINFORCED CONCRETE BOX CULVERT

WEST HEADWALL DETAILS

STA. 1009+73.75, ℄ MAIN STREET

11/15/2022

SHEET NO. **V.13**

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07		FOTH PROJECT NO:	0021C017.02
DESIGNED BY: S. INGERSOLL	CHECKED BY: S. INGERSOLL	DRAWN BY:	J. EIFFLER
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NO	DATE	BY	REVISION DESCRIPTION

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CEDAR FALLS, IA

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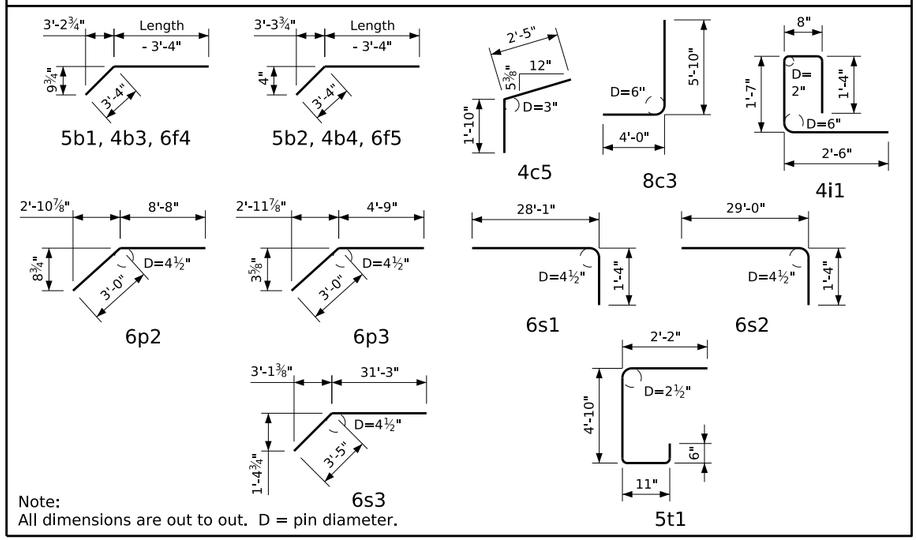
Bent Bar Details

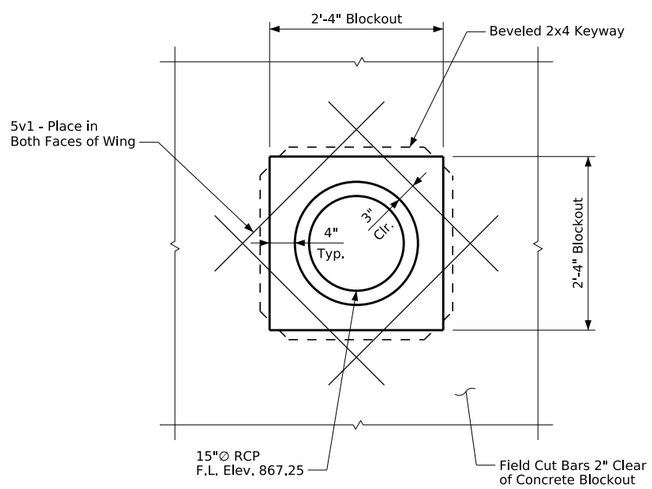


Note:
All dimensions are out to out. D = pin diameter.

Bill of Reinforcing for One Headwall

Bar	Location	Shape	16' x 14' No.	Length	Wt.
5b1	Wing 'A', F.F.H.		15	30'-10"	482
5b2	Wing 'B', F.F.H.		15	31'-8"	495
4b3	Wing 'A', B.F.H.		15	31'-5"	315
4b4	Wing 'B', B.F.H.		15	33'-3"	333
5b5	Interior Wall Both F.H.		50	2 Each 5'-2" to 31'-8"	960
4c1	Wing 'A' & 'B', F.F.V.		91	3'-7"	218
4c2	Wing 'A' & 'B', F.F.V.		91	15'-8"	952
8c3	Wing 'A' & 'B', B.F.V.		114	9'-10"	2993
6c4	Wing 'A' & 'B', B.F.V.		114	15'-8"	2683
4c5	Interior Wall, Both F.V.		4	4'-3"	11
4c6	Interior Wall, Both F.V.		116	2 Each 2'-1" to 14'-10"	655
4d1	Apron, Longit., Bott.		34	31'-11"	725
4d2	Apron, Longit., Bott. at Wing 'A'		6	32'-0"	128
6f1	Apron, Longit., Top		49	31'-11"	2349
6f2	Apron, Longit., Top at Wing 'A'		6	Varies 7'-2" to 28'-5"	160
6f3	Apron, Longit., Top at Wing 'B'		3	Varies 8'-3" to 28'-5"	83
6f4	Apron, Longit., Top at Wing 'A'		1	30'-10"	46
6f5	Apron, Longit., Top at Wing 'B'		1	31'-8"	48
4i1	Parapet, Vertical		101	6'-1"	410
7j1	Parapet, Horizontal		4	52'-4"	428
6m1	Apron, Transv., Top		37	Varies 26'-4" to 33'-1"	1651
6m2	Apron, Transv., Top		37	Varies 29'-1" to 31'-9"	1690
6m3	Apron, Transv., Top		2	Varies 27'-3" to 30'-3"	86
6m4	Apron, Transv., Top		2	31'-10"	96
6m5	Apron, Transv., Bott.		28	Varies 46'-3" to 55'-8"	2143
6p1	Curtain, Horiz.		4	49'-8"	298
6p2	Curtain, Horiz.		4	11'-8"	70
6p3	Curtain, Horiz.		4	7'-9"	47
6s1	Wing Slope, Both F. at Wing 'A'		2	29'-5"	88
6s2	Wing Slope, Both F. at Wing 'B'		2	30'-4"	91
6s3	Interior Wall, Both F.		4	34'-8"	208
5t1	Curtain, Vertical		51	8'-5"	448
5v1	Pipe Opening, Diagonal		8	3'-2"	26

Estimated Quantities One Headwall				
Reinf. Steel			21,416 LB	
Concrete	Wings & Parapet	68.3	165.4 CY	
	Apron	97.1		



Wing Penetration Detail

DESIGN FOR VARIABLE SKEW

TRIPLE 16'-0" X 14'-0" X 164'-3" REINFORCED CONCRETE BOX CULVERT

WEST HEADWALL DETAILS

STA. 1009+73.75, ℄ MAIN STREET

11/15/2022

SHEET NO.

V.14

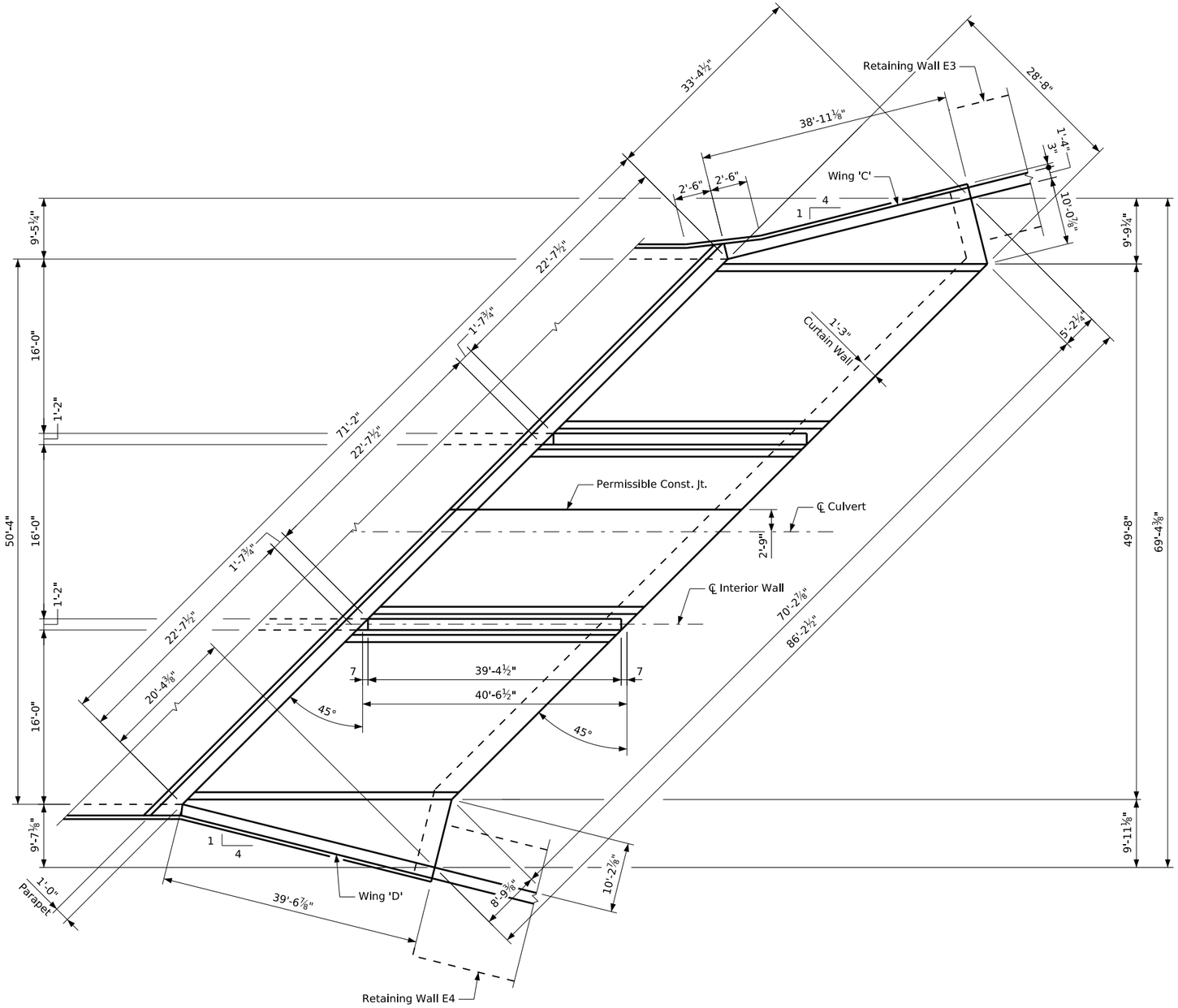
CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: S. INGERSOLL CHECKED BY: S. INGERSOLL DRAWN BY: J. EIFFLER
LETTING DATE: 11/15/2022 CAD DATE: 8/30/2022 2:17:00 PM
CAD FILE: c:\pw_workdir\pw_ie\jae\d0518380\0021C017.02_BRG.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Falls IA C\Main Street Reconstruction\CAD\References\Structures\0021C017.02_BRG



Plan View

Note:
See Sheets V.24 thru V.29 for retaining wall details.

DESIGN FOR VARIABLE SKEW

TRIPLE 16'-0" X 14'-0" X 164'-3" REINFORCED CONCRETE BOX CULVERT

EAST HEADWALL DETAILS

STA. 1009+73.75, ℄ MAIN STREET

SHEET NO.

V.15

11/15/2022

CLIENT PROJECT NO:	STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY:	S. INGERSOLL CHECKED BY: S. INGERSOLL DRAWN BY: J. EIFFLER
LETTING DATE:	11/15/2022 CAD DATE: 8/30/2022 2:17:00 PM
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

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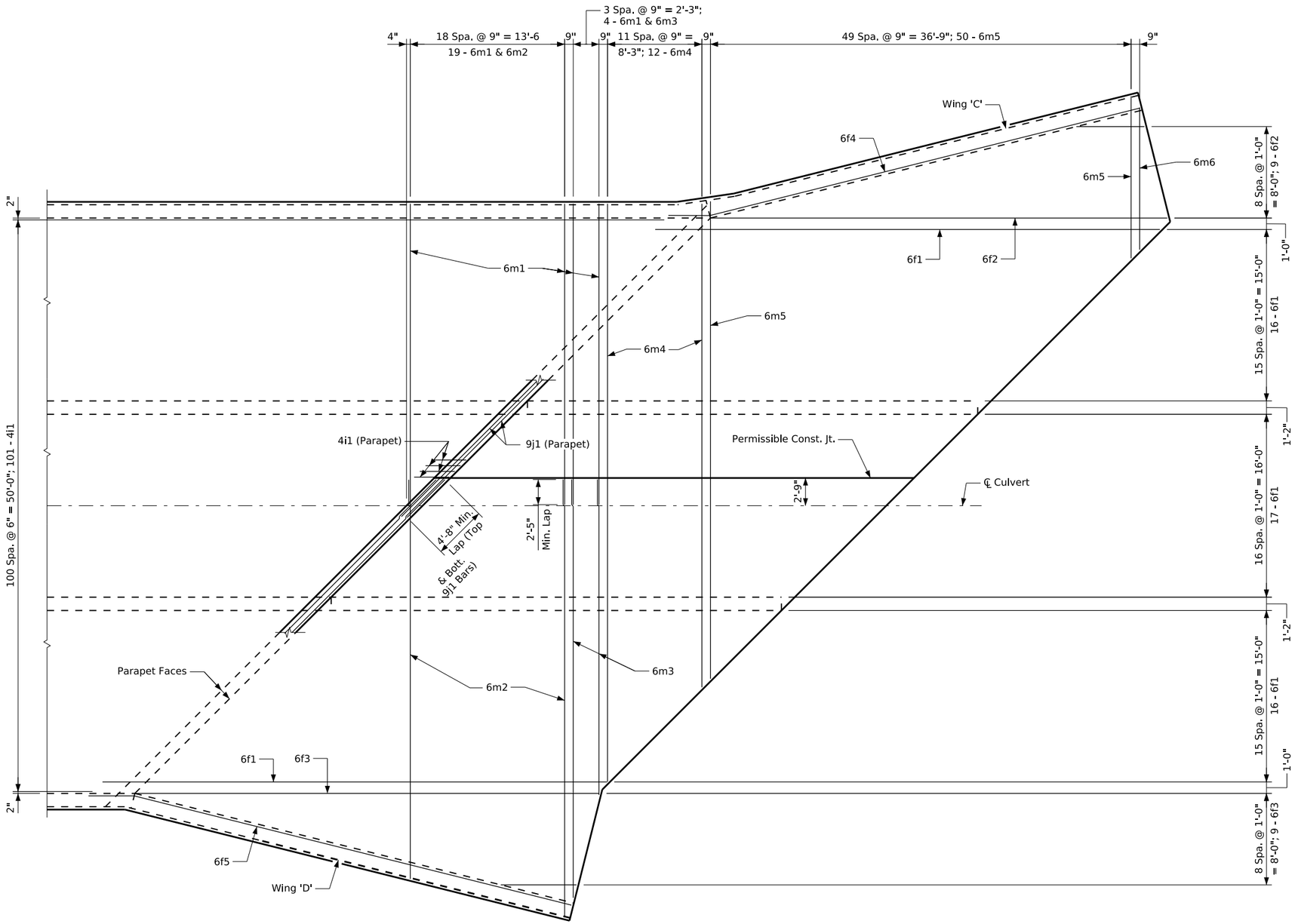

Plan View - Top of Apron Reinforcing

DESIGN FOR VARIABLE SKEW

TRIPLE 16'-0" X 14'-0" X 164'-3" REINFORCED CONCRETE BOX CULVERT

EAST HEADWALL DETAILS

STA. 1009+73.75, ℄ MAIN STREET

SHEET NO.

V.16

11/15/2022

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: S. INGERSOLL CHECKED BY: S. INGERSOLL DRAWN BY: J. EIFFLER
LETTING DATE: 11/15/2022 CAD DATE: 8/30/2022 2:17:01 PM
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

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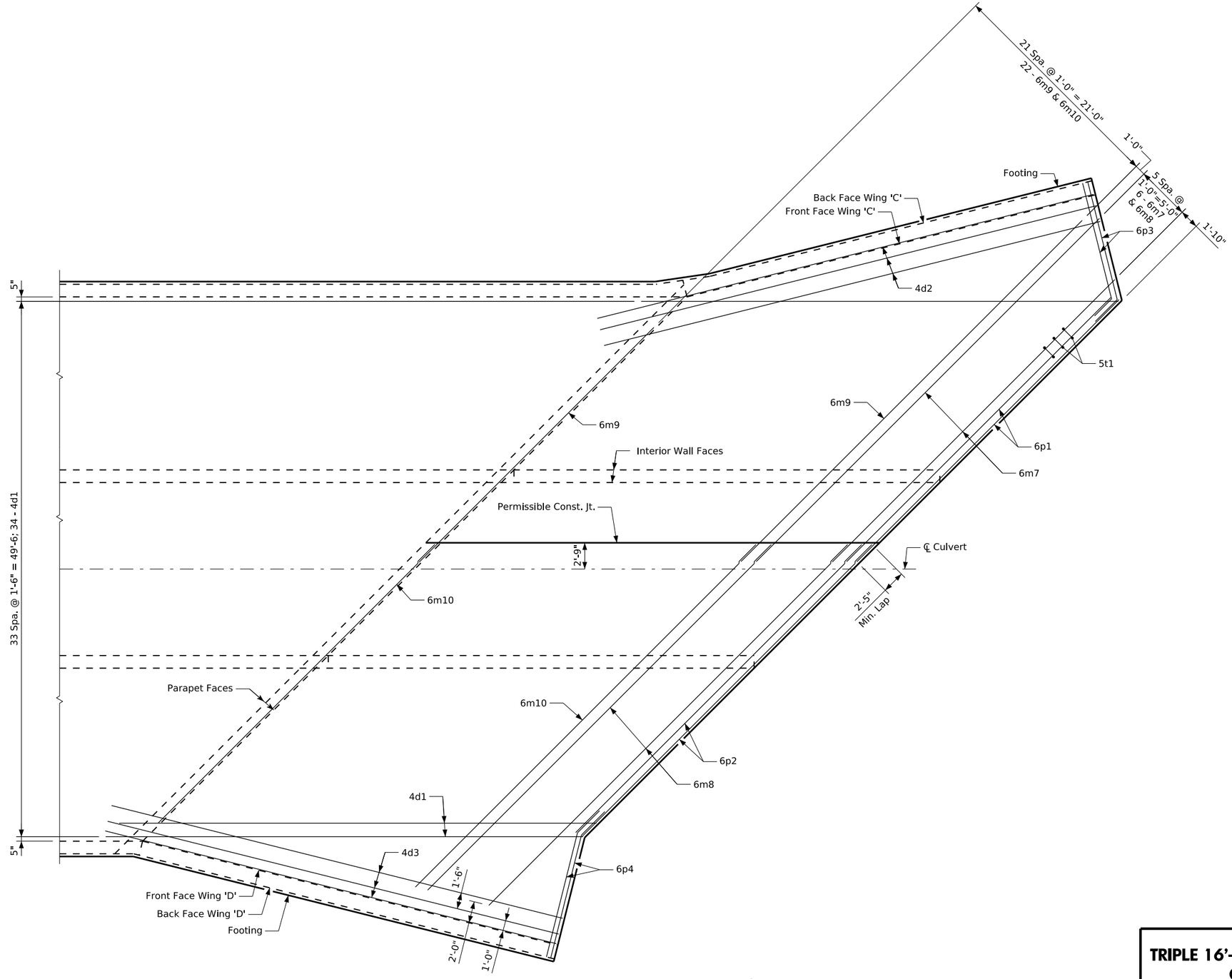

Plan View - Bottom of Apron Reinforcing

DESIGN FOR VARIABLE SKEW

TRIPLE 16'-0" X 14'-0" X 164'-3" REINFORCED CONCRETE BOX CULVERT

EAST HEADWALL DETAILS

STA. 1009+73.75, ℄ MAIN STREET

SHEET NO.

V.17

11/15/2022

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: S. INGERSOLL CHECKED BY: S. INGERSOLL DRAWN BY: J. EIFFLER
LETTING DATE: 11/15/2022 CAD DATE: 8/30/2022 2:17:02 PM
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

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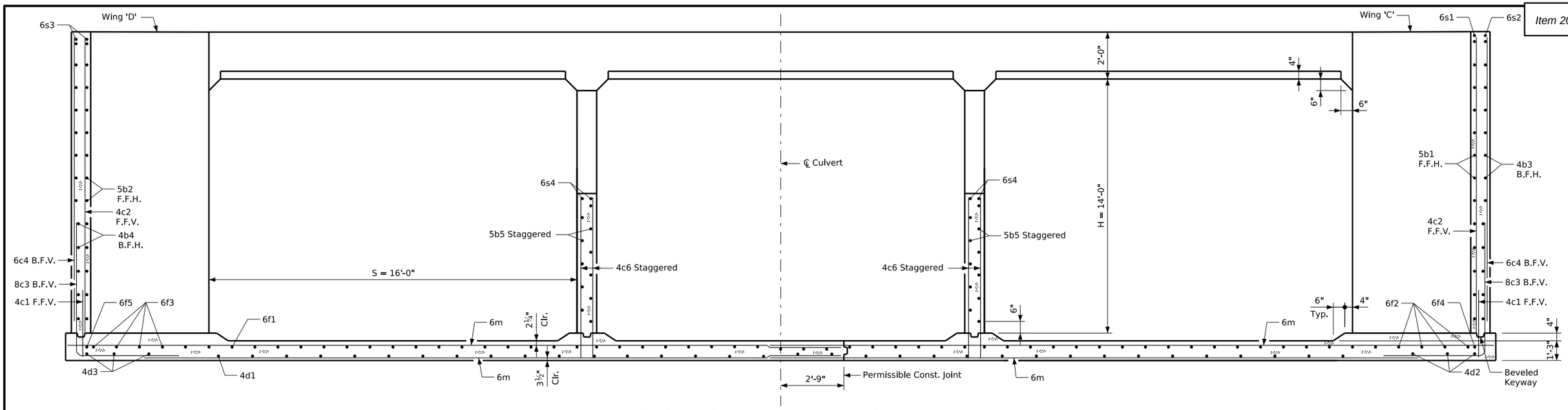
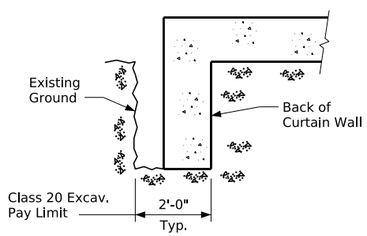
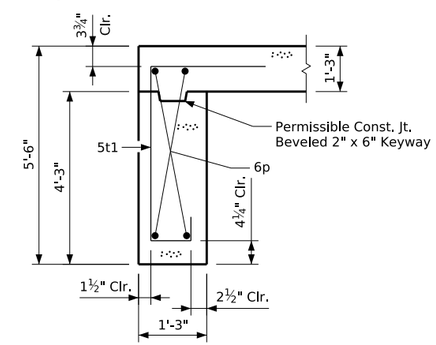


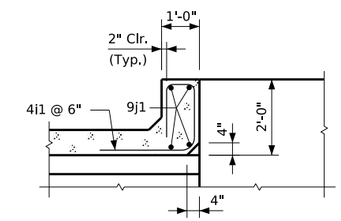
Typical Section - Near Center of Apron



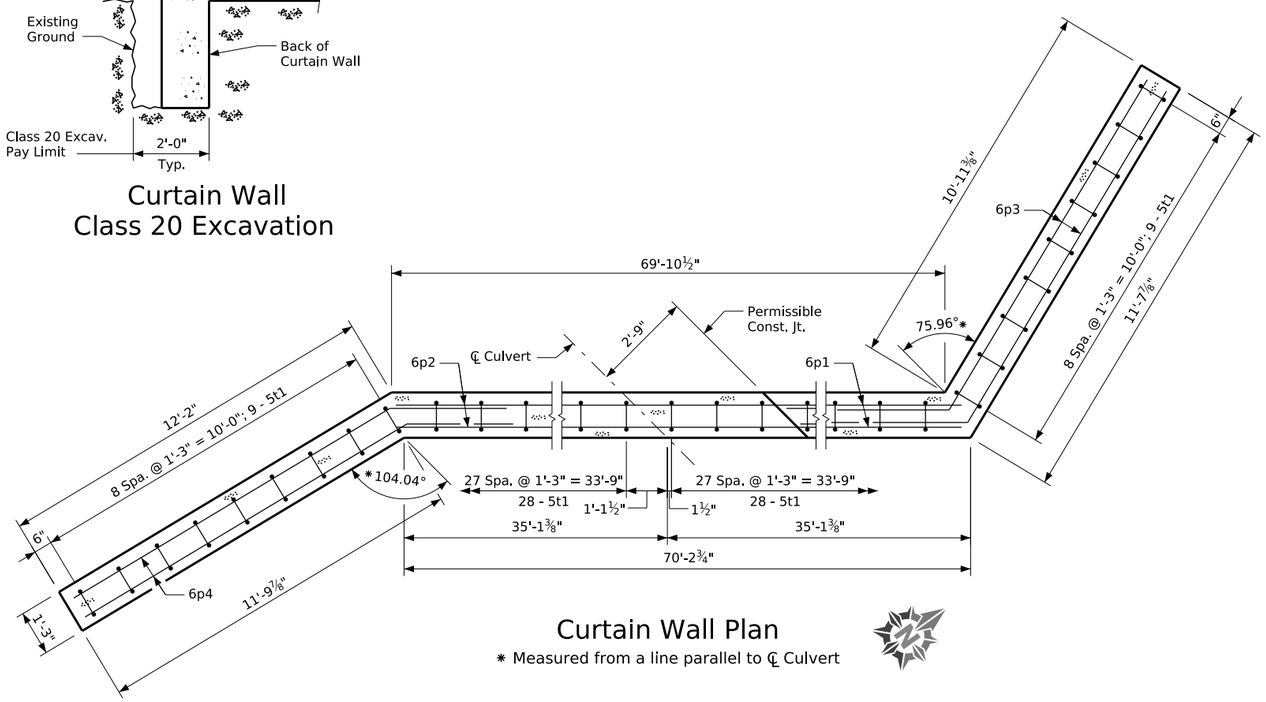
Curtain Wall
Class 20 Excavation



Section thru Curtain Wall

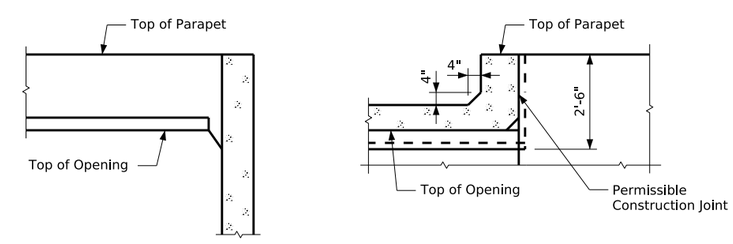


Section thru Parapet



Curtain Wall Plan

* Measured from a line parallel to ℄ Culvert



Top of Wingwall Details

DESIGN FOR VARIABLE SKEW

TRIPLE 16'-0" X 14'-0" X 164'-3" REINFORCED CONCRETE BOX CULVERT

EAST HEADWALL DETAILS

STA. 1009+73.75, ℄ MAIN STREET

SHEET NO.

V.18

11/15/2022

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: S. INGERSOLL CHECKED BY: S. INGERSOLL DRAWN BY: J. EIFFLER
LETTING DATE: 11/15/2022 CAD DATE: 8/30/2022 2:17:02 PM
CAD FILE: c:\pw_workdir\pw_ie\jqae\d0518380\0021C017.02_BRG.dgn

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
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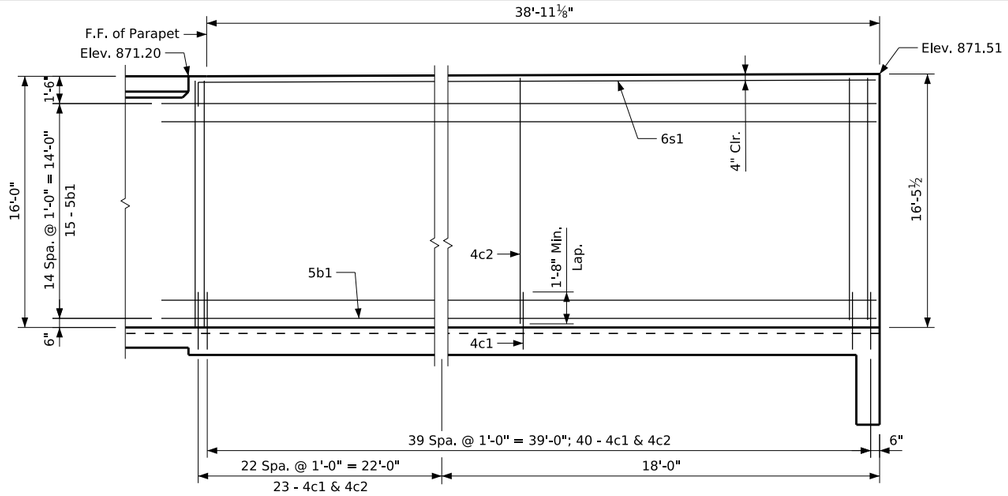
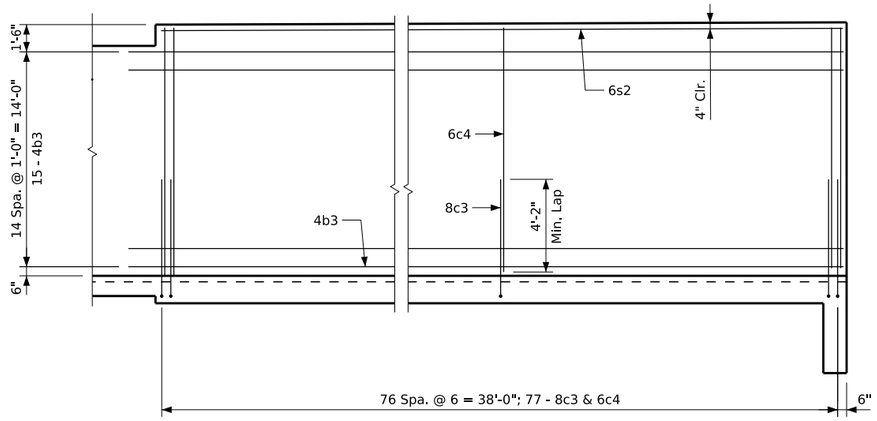
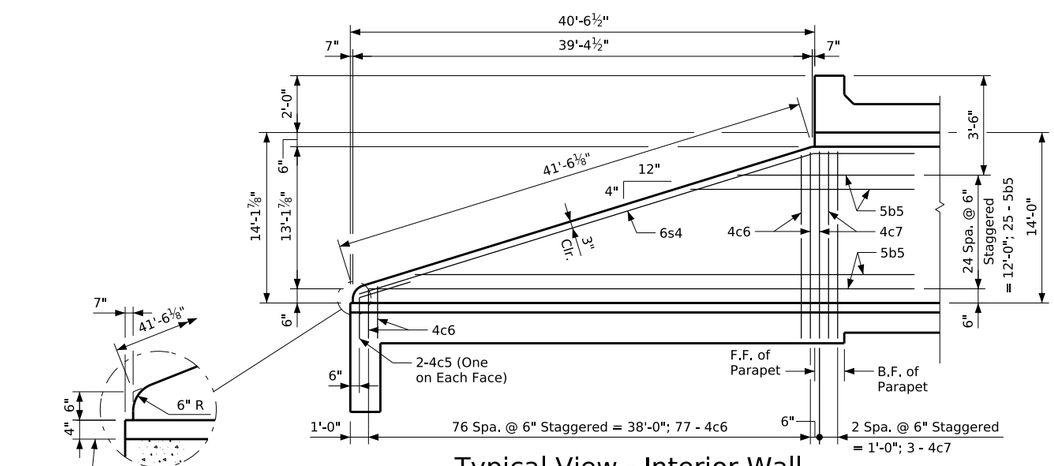
Bench Mark No. 2 - Cut 'X' in hydrant bolt at NE quadrant of Main St. & E. Seerley Blvd., Ele



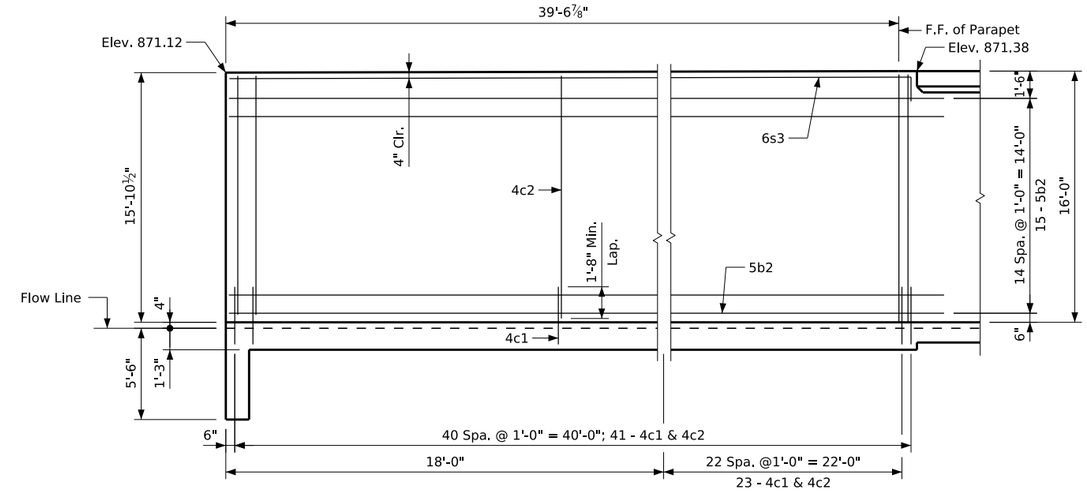
Front Face Wing 'C' Reinforcing



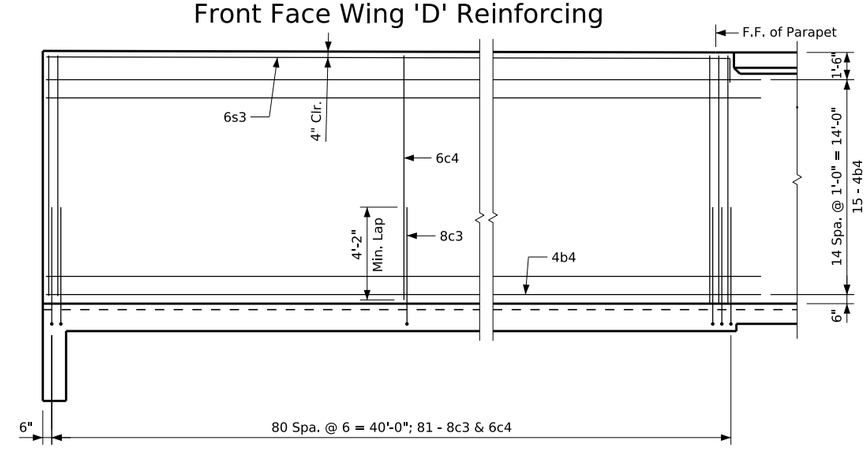
Back Face Wing 'C' Reinforcing



Typical View - Interior Wall



Front Face Wing 'D' Reinforcing



Back Face Wing 'D' Reinforcing

Note:
See Sheet 15 for location of wing 'C' & 'D'.

DESIGN FOR VARIABLE SKEW

TRIPLE 16'-0" X 14'-0" X 164'-3" REINFORCED CONCRETE BOX CULVERT

EAST HEADWALL DETAILS

STA. 1009+73.75, ℄ MAIN STREET

11/15/2022

SHEET NO. **V.19**

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: S. INGERSOLL	CHECKED BY: S. INGERSOLL	DRAWN BY: J. EIFFLER	
LETTING DATE: 11/15/2022	CAD DATE: 8/30/2022	2:17:03 PM	
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

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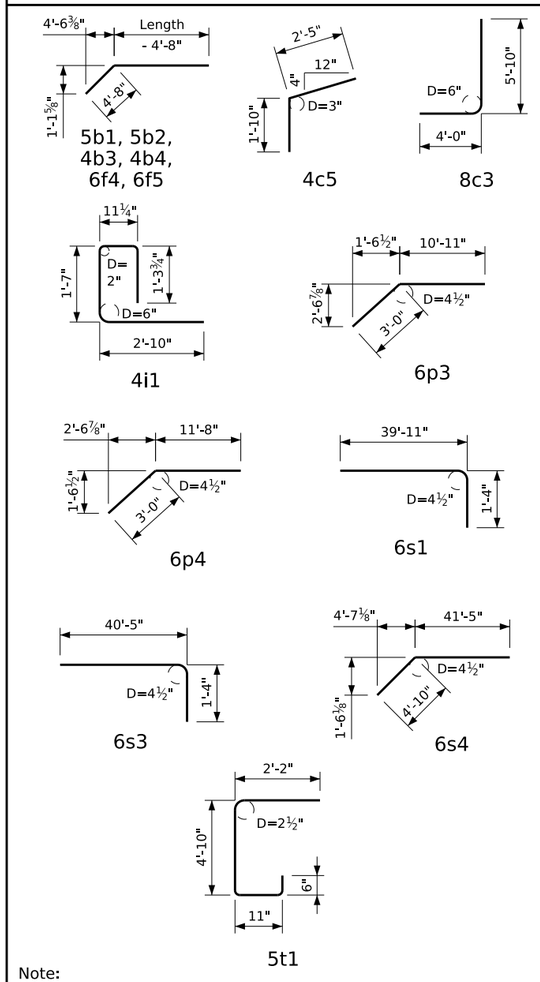
Bent Bar Details



Note:
All dimensions are out to out. D = pin diameter.

Bill of Reinforcing for One Headwall

Bar	Location	Shape	16' x 14' No.	Length	Wt.
5b1	Wing 'C', F.F.H.		15	43'-2"	675
5b2	Wing 'D', F.F.H.		15	44'-0"	688
4b3	Wing 'C', B.F.H.		15	43'-9"	438
4b4	Wing 'D', B.F.H.		15	44'-7"	447
5b5	Interior Wall Both F.H.		50	2 Each 7'-3" to 43'-3"	1317
4c1	Wing 'C' & 'D', F.F.V.		127	3'-10"	325
4c2	Wing 'C' & 'D', F.F.V.		127	15'-6"	1315
8c3	Wing 'C' & 'D', B.F.V.		158	9'-10"	4148
6c4	Wing 'C' & 'D', B.F.V.		158	15'-6"	3678
4c5	Interior Wall, Both F.V.		4	4'-3"	11
4c6	Interior Wall, Both F.V.		154	2 Each 2'-0" to 14'-6"	849
4c7	Interior Wall, Both F.V.		6	14'-8"	59
4d1	Apron, Longit., Bott.		34	44'-2"	1003
4d2	Apron, Longit., Bott. at Wing 'C'		3	48'-3"	97
4d3	Apron, Longit., Bott. at Wing 'D'		3	43'-0"	86
6f1	Apron, Longit., Top		49	44'-2"	3251
6f2	Apron, Longit., Top at Wing 'C'		9	Varies 6'-0" to 40'-0"	311
6f3	Apron, Longit., Top at Wing 'D'		9	Varies 6'-8" to 40'-8"	320
6f4	Apron, Longit., Top at Wing 'C'		1	43'-2"	65
6f5	Apron, Longit., Top at Wing 'D'		1	44'-0"	66
4i1	Parapet, Vertical		101	6'-8"	450
9j1	Parapet, Horizontal		8	39'-7"	1077
6m1	Apron, Transv., Top		23	26'-3"	907
6m2	Apron, Transv., Top		19	Varies 35'-0" to 38'-5"	1048
6m3	Apron, Transv., Top		4	Varies 27'-9" to 36'-9"	194
6m4	Apron, Transv., Top		12	Varies 42'-4" to 50'-7"	837
6m5	Apron, Transv., Top		50	Varies 14'-0" to 41'-7"	2087
6m6	Apron, Transv., Top		1	12'-5"	19
6m7	Apron, Transv., Bott.		6	Varies 36'-8" to 44'-8"	366
6m8	Apron, Transv., Bott.		6	Varies 45'-7" to 47'-7"	420
6m9	Apron, Transv., Bott.		22	Varies 30'-5" to 44'-5"	1236
6m10	Apron, Transv., Bott.		22	Varies 36'-10" to 45'-3"	1356
6p1	Curtain, Horiz.		4	34'-6"	207
6p2	Curtain, Horiz.		4	38'-2"	229
6p3	Curtain, Horiz.		4	13'-11"	84
6p4	Curtain, Horiz.		4	14'-8"	88
6s1	Wing Slope, F.F. at Wing 'C'		1	41'-3"	62
6s2	Wing Slope, B.F. at Wing 'C'		1	38'-7"	58
6s3	Wing Slope, Both F. at Wing 'D'		2	41'-9"	125
6s4	Interior Wall, Both F.H.		4	46'-3"	278
5t1	Curtain, Vertical		74	8'-5"	650

Estimated Quantities One Headwall	Reinf. Steel		30,927 LB	
	Concrete	Wings & Parapet	96.2	245.4 CY
		Apron	149.2	

DESIGN FOR VARIABLE SKEW

TRIPLE 16'-0" X 14'-0" X 164'-3" REINFORCED CONCRETE BOX CULVERT

EAST HEADWALL DETAILS

STA. 1009+73.75, ℄ MAIN STREET

11/15/2022

SHEET NO.

V.20

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: S. INGERSOLL CHECKED BY: S. INGERSOLL DRAWN BY: J. EIFFLER
LETTING DATE: 11/15/2022 CAD DATE: 8/30/2022 2:17:03 PM
CAD FILE: c:\pw_workdir\pw_ie\jae\d0518380\0021C017.02_BRG.dgn

NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

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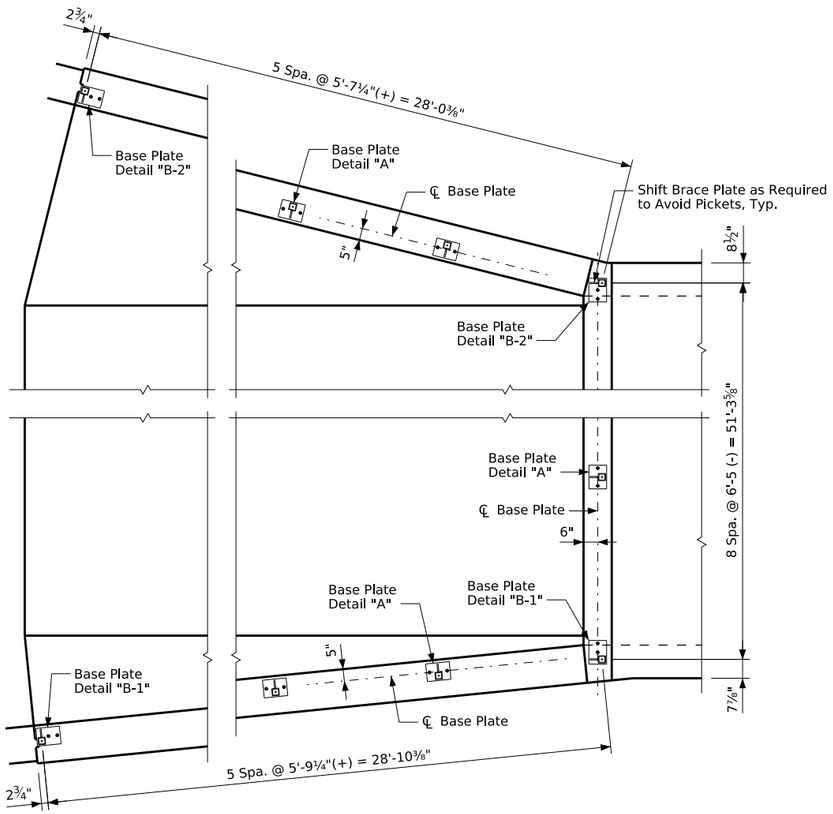
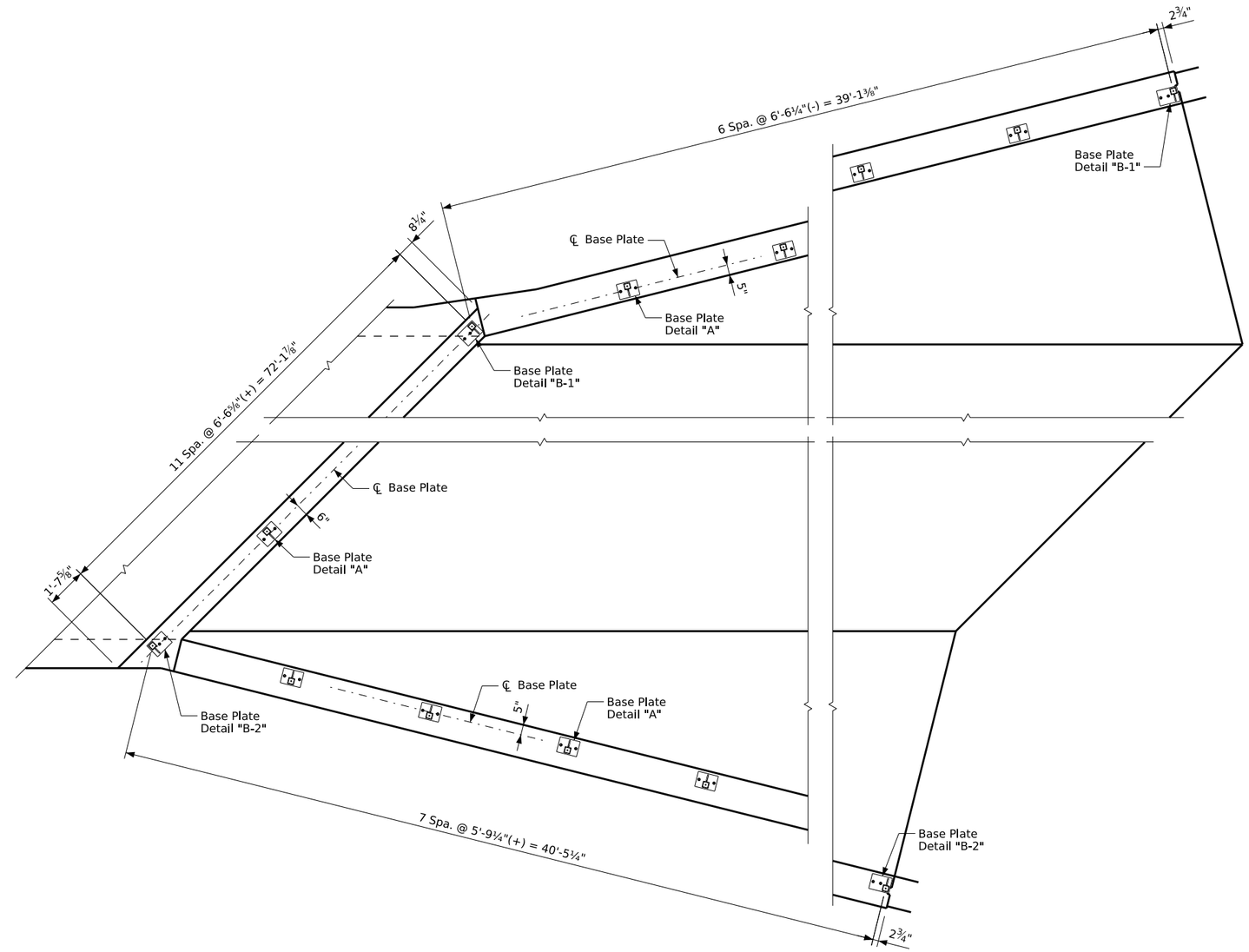


Post Spacing Plan At West Headwall



Post Spacing Plan At East Headwall

Note:
See Sheet V.22 for base plate details.

DESIGN FOR VARIABLE SKEW

TRIPLE 16'-0" X 14'-0" X 164'-3" REINFORCED CONCRETE BOX CULVERT

HEADWALL RAILING DETAILS

STA. 1009+73.75, ℄ MAIN STREET

SHEET NO.

V.21

11/15/2022

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: S. INGERSOLL CHECKED BY: S. INGERSOLL DRAWN BY: J. EIFFLER
LETTING DATE: 11/15/2022 CAD DATE: 8/30/2022 2:17:04 PM
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

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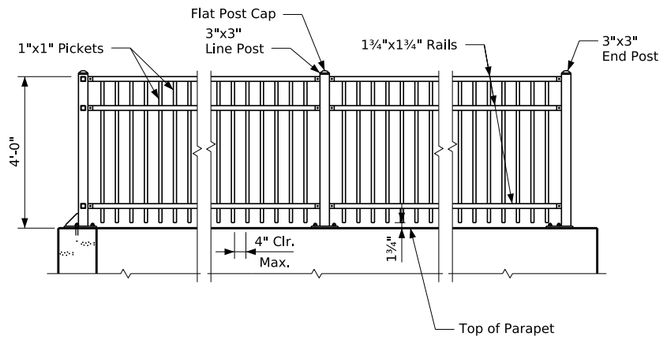


Elevation of Wing Fence

Ornamental Metal Railing Notes:

The railing is to be bid on a lineal foot basis measured from ℄ to ℄ of end posts. The ornamental metal railing system shall be a 3-rail fence manufactured by the following approved manufacturers:
1. Ameristar Aegis II Xtreme "Majestic"
2. Master Halco Classic Premier Universal 3-rail
3. Merchants Metals Gaurdsman Industrial "The Monroe"
4. Approved equal

The contractor may submit alternate manufacturer's designs and panel layouts for approval. Alternate railing product submissions shall be in general compliance with the railing geometry detailed on this plan and shall meet or exceed the load capacity and surface finish specifications for the Ameristar product. Alternate fence product submissions shall be designed by the manufacturer in accordance with AASHTO LRFD Bridge Design Specifications, 6th Edition. The price bid for "Ornamental Metal Railing" shall be full compensation for furnishing all material, including concrete anchors, shims, concrete encasements for posts along wings, and all of the equipment and labor required to erect the fence in accordance with these plans and specifications.

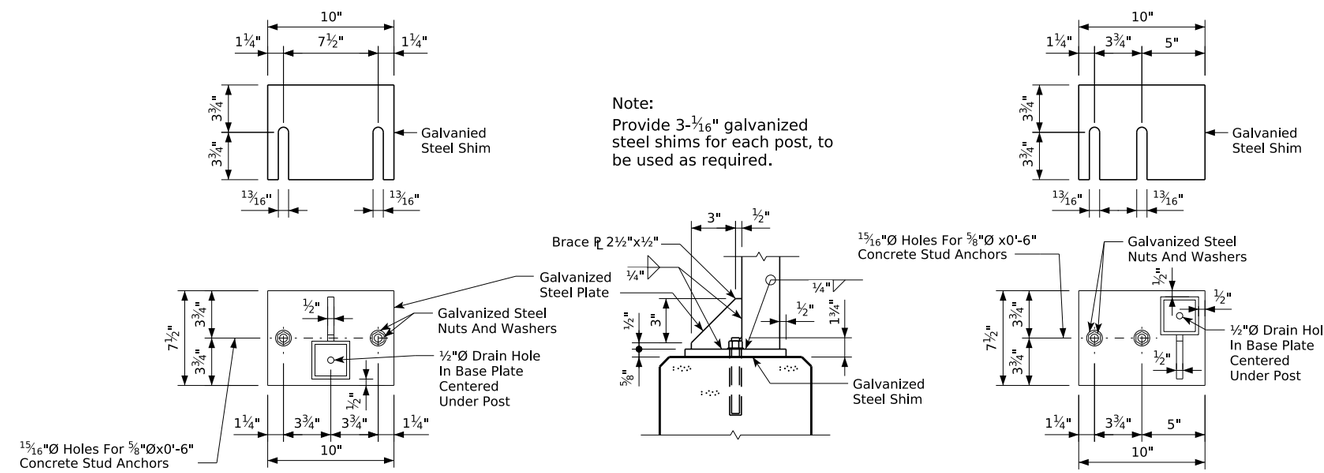
Shop drawings shall be submitted for review by the Engineer. Railing materials shall not be ordered until approved shop drawings are returned to the contractor. Field cutting of panels will not be allowed.

The stud concrete anchors shall be galvanized and have a minimum pullout strength of 8000 pounds based on 4000 psi concrete.

Base plates shall be provided by the railing manufacturer and shall be galvanized, after fabrication, in accordance with the requirements of ASTM A123. Base plates shall receive a powder coat finish to match the posts.

The railing shall be true to line and comply with the best practice for fence construction of this type. All posts shall be set vertical.

Railing color shall be black.



Detail "A"

Note:
Posts and base plates shall be galvanized, after fabrication, in accordance with the requirements of ASTM A123.

Detail "B-1"

Note:
Detail "B-2" is opposite hand of Detail "B-1". See post spacing plan for locations.

Base Plate Details For End Posts and Line Posts

Ornamental Metal Railing Quantities

Location	Quantity
West Headwall	108.2
East Headwall	151.7
Total (LF)	259.9

DESIGN FOR VARIABLE SKEW

TRIPLE 16'-0" X 14'-0" X 164'-3" REINFORCED CONCRETE BOX CULVERT

HEADWALL RAILING DETAILS

STA. 1009+73.75, ℄ MAIN STREET

11/15/2022

SHEET NO.

V.22

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: S. INGERSOLL CHECKED BY: S. INGERSOLL DRAWN BY: J. EIFFLER
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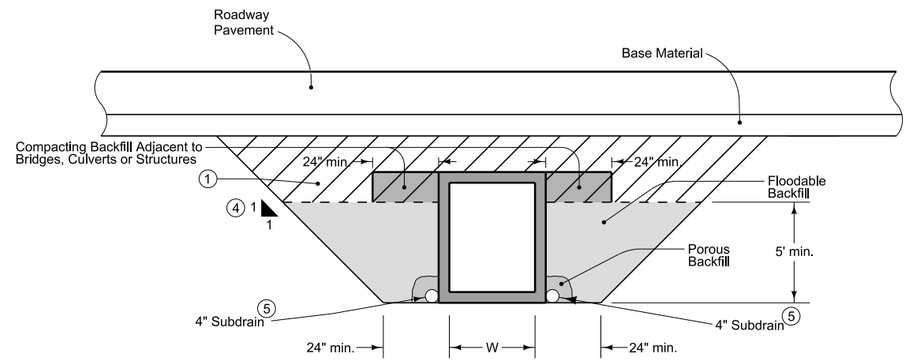
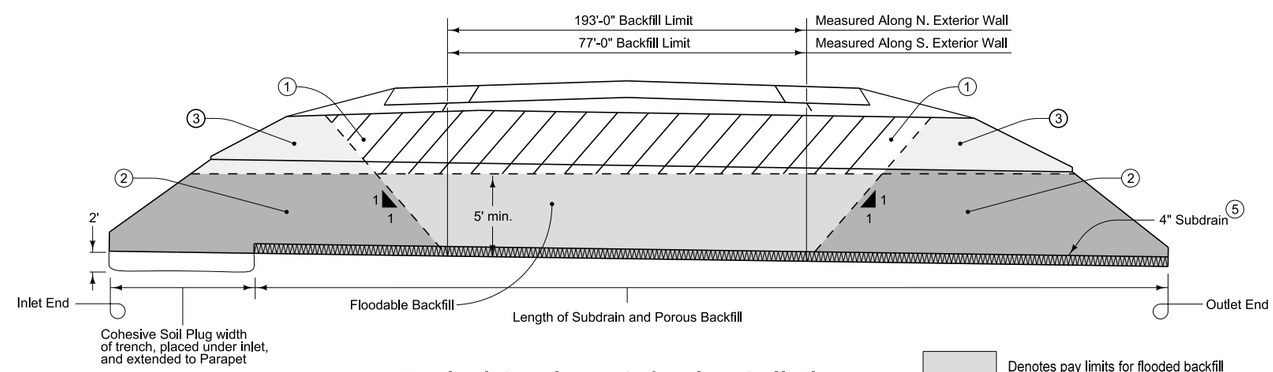
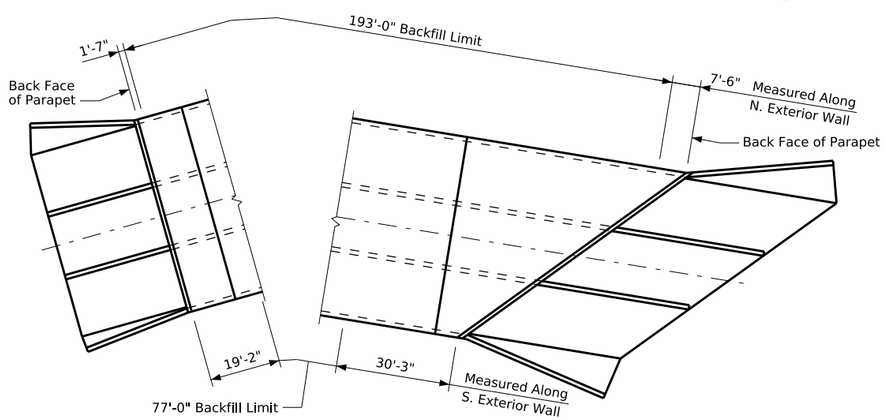


RCB Installation



Typical Section - Cohesive Soil Plug

Denotes pay limits for flooded backfill



Plan - Floodable Backfill Limits

1. Excavated material meeting the requirements of the Standard Specifications. Compact using moisture control. The Contractor has the option to use Floodable Backfill. No additional compensation will be provided if the Contractor elects to use Floodable Backfill in lieu of suitable soil.
2. Prior to flooding, place a cohesive soil plug to the height of the floodable backfill at the inlet, outlet and sides of the culvert.
3. Excavated material meeting the requirements of the Standard Specifications. Compact using moisture control. If the option to use Floodable Backfill to the top of subgrade is used, extend the cohesive soil plug to the top of subgrade.
4. Quantity calculations for payment are based on a 1:1 slope and minimum trench dimension. Actual slope of trench may vary based upon Contractor's operations. No additional payment will be made for additional quantities resulting from use of flatter slopes.
5. Place at flowline elevation of culvert starting at parapet for inlet and outletting at end of outlet headwall wings. Provide sump and facilities to pump and contain water at outlet. Cap outlet after backfill flooding. Cover with a minimum of 4 inches of Porous Backfill.

Possible Contract Items:
- Flooded Backfill
- Excavation, Class 20
- Compaction with Moisture Control
- Compacting Backfill Adjacent to Bridges, Culverts or Structures

Possible Tabulations:
- 103-6
- 104-4

MODIFIED STANDARD ROAD PLAN

REVISION 2 04-17-18

DR-111

SHEET 1 of 1

REVISIONS: Added Compacting Backfill Adjacent to Bridges, Culverts or Structures to Possible Contract Items and RCB Installation detail. Revised notes 3 and 4.

APPROVED BY DESIGN METHODS ENGINEER

BOX CULVERT (BACKFILL)

DESIGN FOR VARIABLE SKEW

TRIPLE 16'-0" X 14'-0" X 164'-3" REINFORCED CONCRETE BOX CULVERT

BOX CULVERT BACKFILL DETAILS

STA. 1009+73.75, ℄ MAIN STREET

11/15/2022

SHEET NO. **V.23**

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: S. INGERSOLL	CHECKED BY: S. INGERSOLL	DRAWN BY: J. EIFFLER	
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Retaining Wall Notes:

All construction joints are to be formed with beveled 2 x 6 keyways.

Keyway dimensions shown on the plans are based on nominal dimensions unless stated otherwise. In addition, the bevel used on the keyway shall be limited to a maximum of 10 degrees from vertical.

All beveled keyways shall be centered.

Minimum clear distance from face of concrete to near reinforcing bar is to be 2" unless otherwise noted or shown.

Utility companies and municipalities whose facilities are shown on the plans or known to be within the construction limits shall be notified by the Contractor of the construction starting date.

It shall be the wall Contractor's responsibility to provide sites for excess excavated material. No payment for overhaul will be allowed for material hauled to these sites.

Specifications:

Design:
AASHTO LRFD Bridge Design Specifications, 8th Ed., Series of 2017.

Construction:
Iowa Department of Transportation Standard Specifications for Highway and Bridge Construction, series 2015, plus applicable General Supplemental Specifications, Developmental Specifications, Supplemental Specifications and Special Provisions shall apply to construction work.

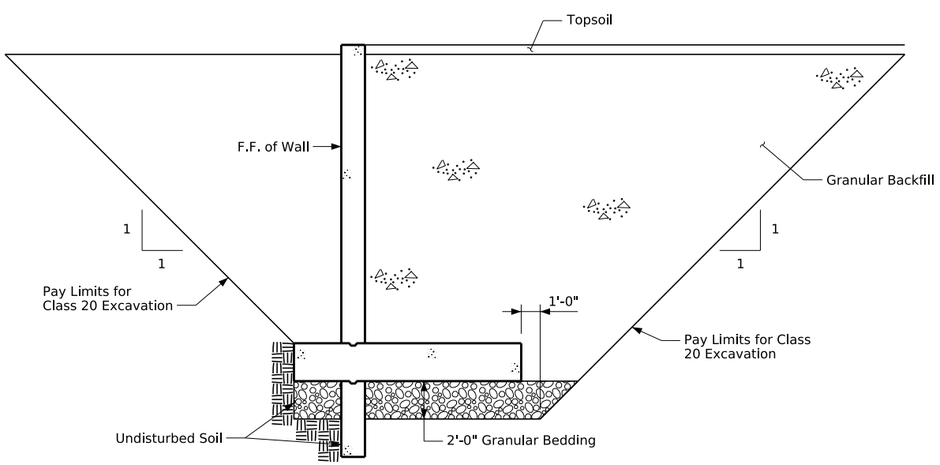
Design Stresses:

Design stresses for the following materials are in accordance with the AASHTO LRFD Bridge Design Specifications, 8th Ed., Series of 2017:
Reinforcing steel in accordance with AASHTO LRFD Section 5, Grade 60.
Concrete in accordance with AASHTO LRFD Section 5, f'c = 4.0 ksi.

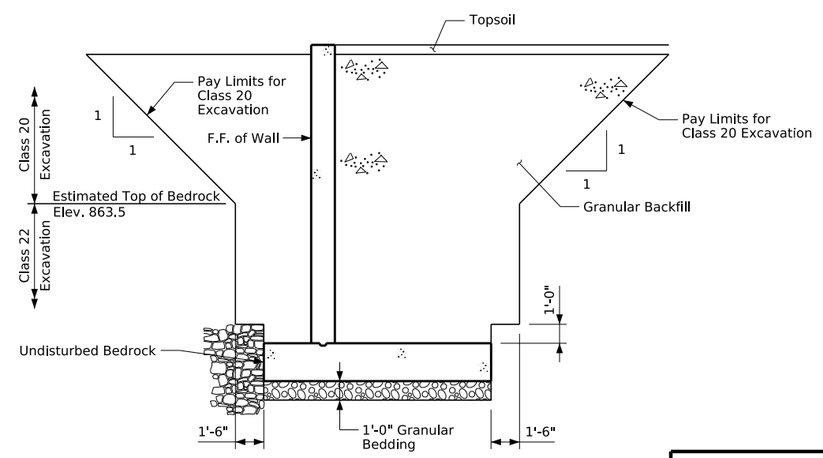
Estimated Retaining Wall Quantities

Item No.	Item Code	Item	Unit	Total	As Built Quantity
9	2402-0425031	Granular Backfill	Ton	2723	
10	2402-2720000	Excavation, Class 20	CY	2469	
11	2402-2722000	Excavation, Class 22	CY	149	
12	2403-0100000	Structural Concrete (Miscellaneous)	CY	285.6	
13	2404-7775000	Reinforcing Steel	LB	30,675	
14	2414-6460000	Ornamental Metal Railing	LF	194.1	
15	2599-9999020	Granular Bedding	Ton	252	

Item No.	Estimate Reference Information
12	Includes resilient joint material. Includes certified plant inspection.
15	Material shall meet gradation No. 3 of the aggregate gradation table.



Backfill Details - Wall E2 - E4 & F2 - F4



Backfill Details - Wall E1 & F1

DESIGN FOR VARIABLE SKEW

TRIPLE 16'-0" X 14'-0" X 164'-3" REINFORCED CONCRETE BOX CULVERT

RETAINING WALL DETAILS

STA. 1009+73.75, ℄ MAIN STREET

11/15/2022

SHEET NO.
V.24

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
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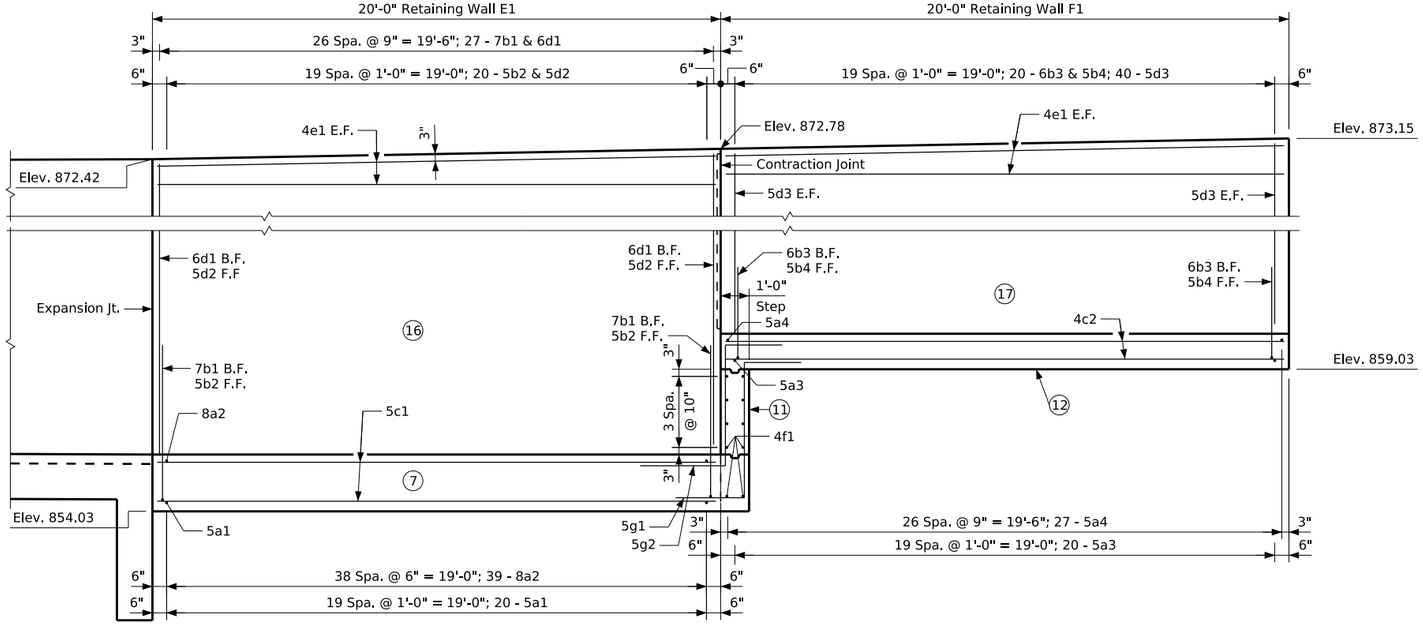
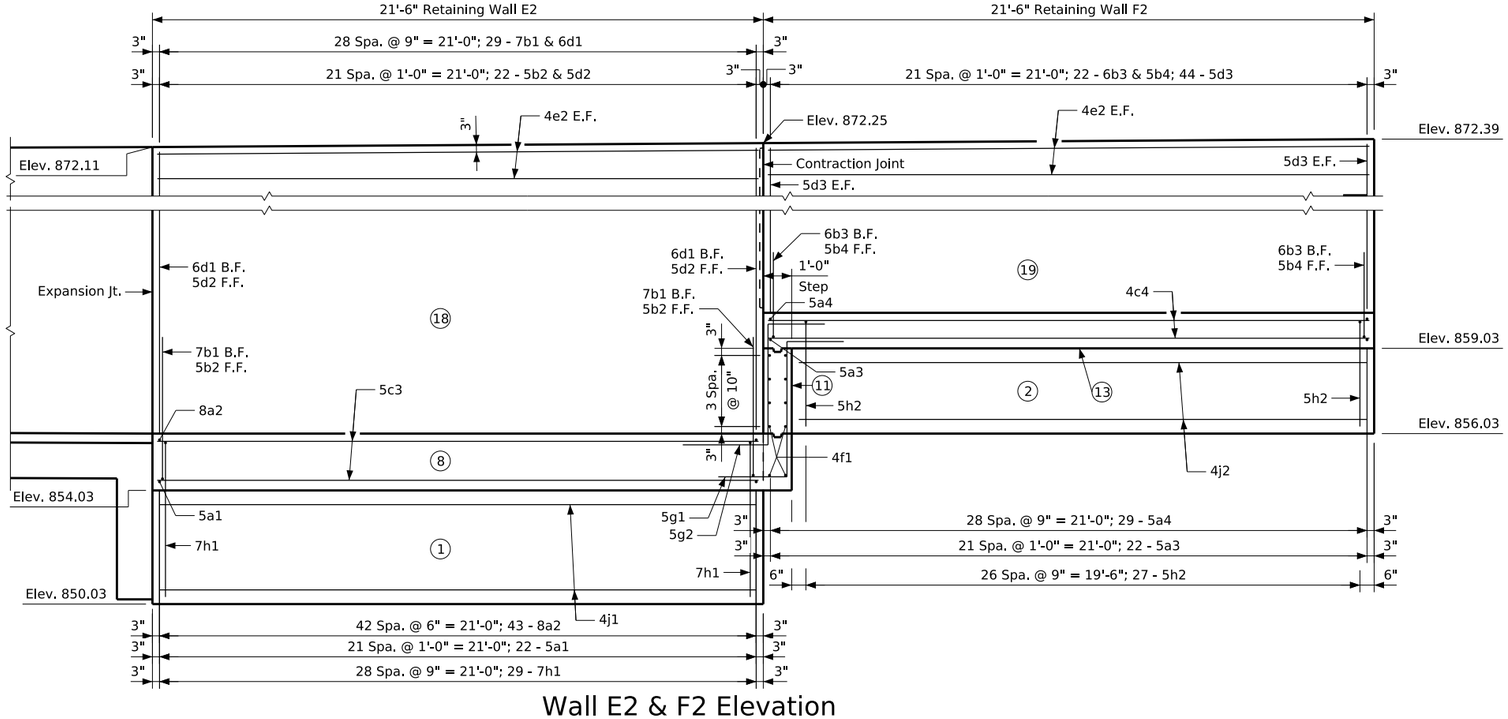
Bench Mark No. 2 - Cut 'X' in hydrant bolt at NE quadrant of Main St. & E. Seerley Blvd., Ele



Wall E1 & F1 Elevation

(Looking South)



Wall E2 & F2 Elevation

(Looking South)

Notes:
See Sheet V.2 for location of Walls E1, F1, E2 & F2.

(X) Concrete placement section number. See placement table on Sheet V.28.

DESIGN FOR VARIABLE SKEW

TRIPLE 16'-0" X 14'-0" X 164'-3" REINFORCED CONCRETE BOX CULVERT

RETAINING WALL DETAILS

STA. 1009+73.75, ℄ MAIN STREET

11/15/2022

SHEET NO.

V.25

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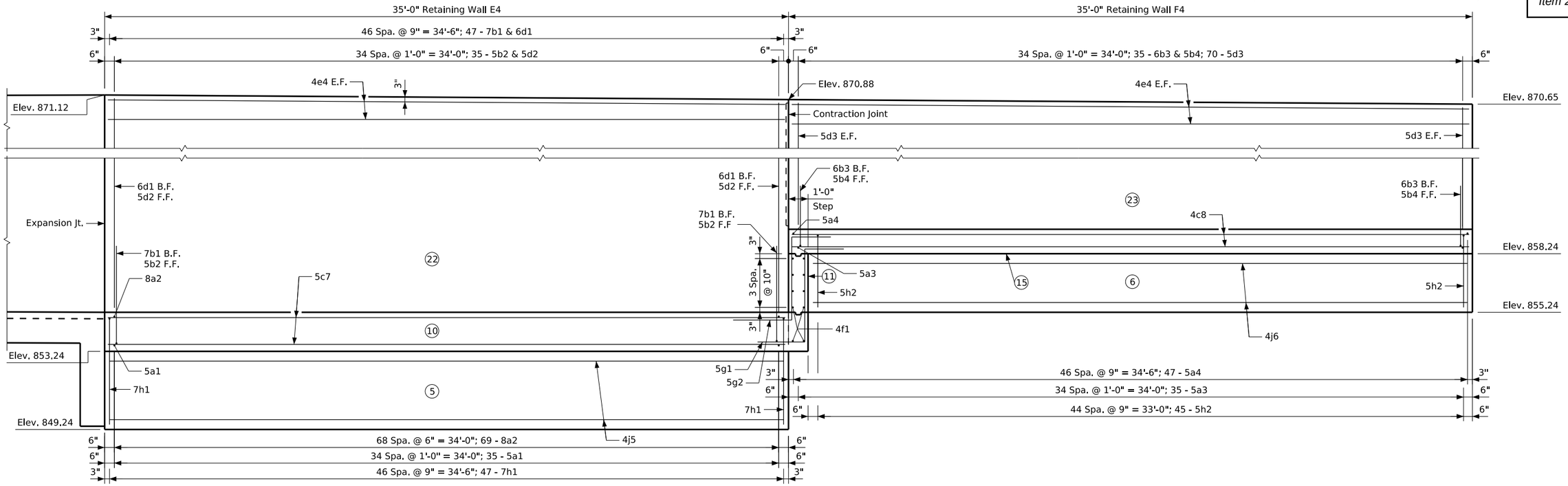
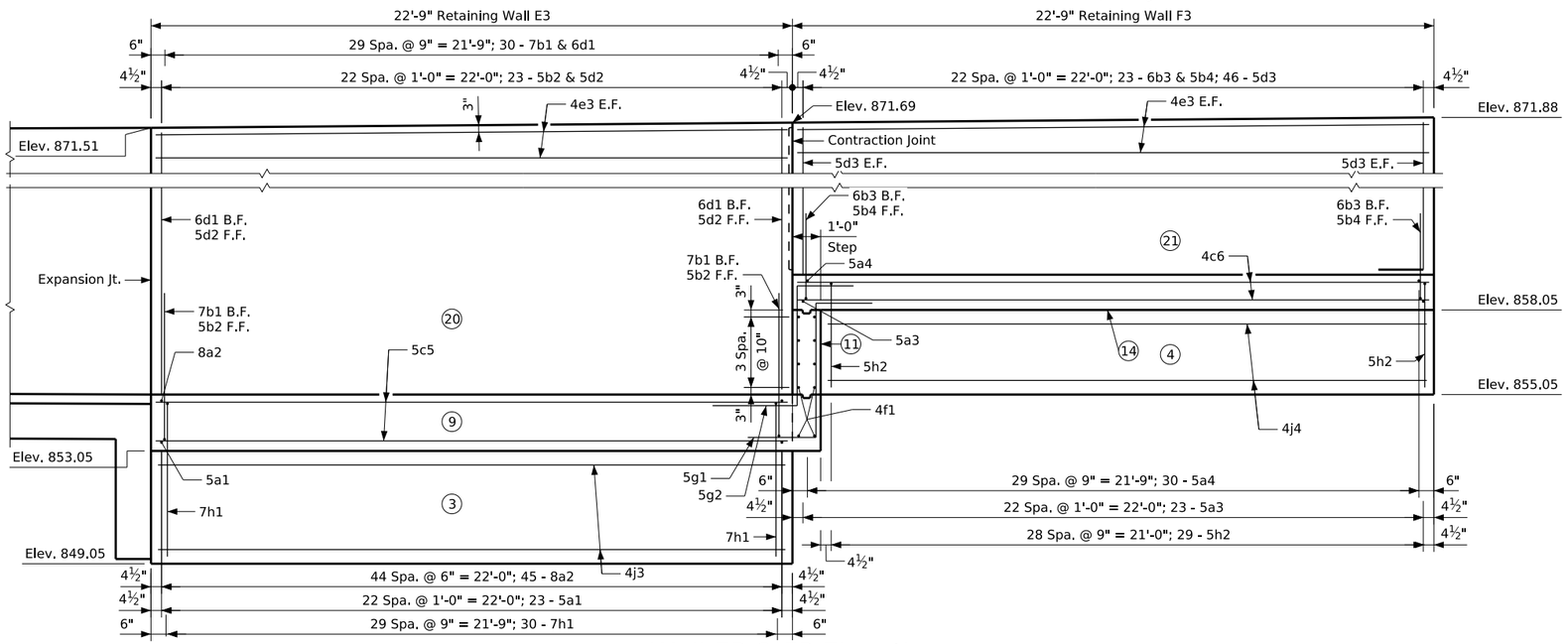
Bench Mark No. 2 - Cut 'X' in hydrant bolt at NE quadrant of Main St. & E. Seerley Blvd., Ele



Wall E4 & F4 Elevation

(Looking North)



Wall E3 & F3 Elevation

(Looking North)

Notes:
See Sheet V.2 for location of Walls E3, F3, E4 & F4.

(X) Concrete placement section number. See placement table on Sheet V.28.

DESIGN FOR VARIABLE SKEW

TRIPLE 16'-0" X 14'-0" X 164'-3" REINFORCED CONCRETE BOX CULVERT

RETAINING WALL DETAILS

STA. 1009+73.75, ℄ MAIN STREET

11/15/2022

SHEET NO. **V.26**

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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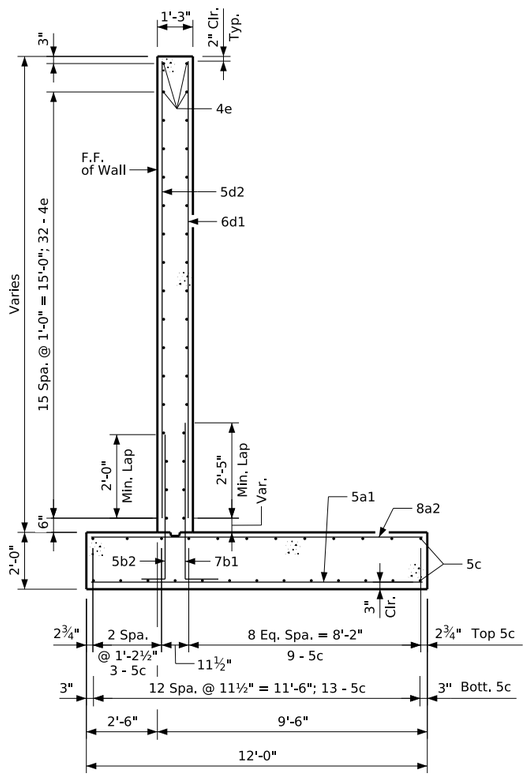
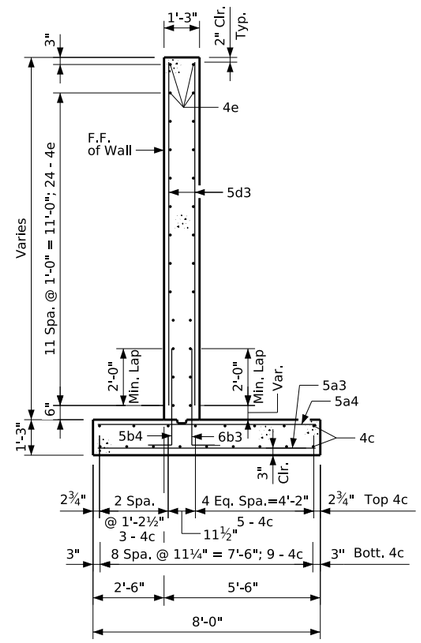
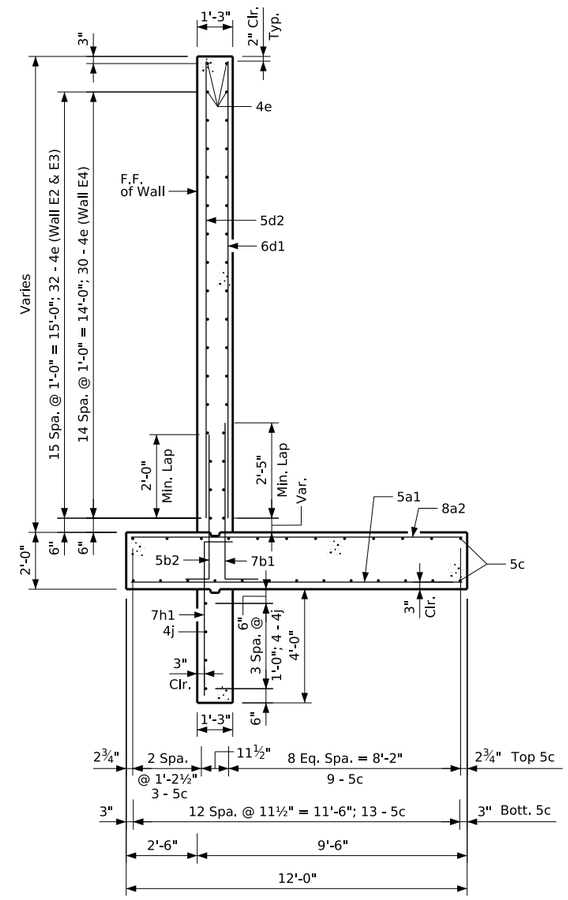
Note:
Wall designs are based on an estimated top of bedrock elevation at 863.5 near retaining walls E1 and F1. The vertical face of wall E1 and F1 footings shall be cast against undisturbed bedrock as shown in the backfill detail. The engineer shall be contacted for revisions to the wall design if this condition cannot be achieved.



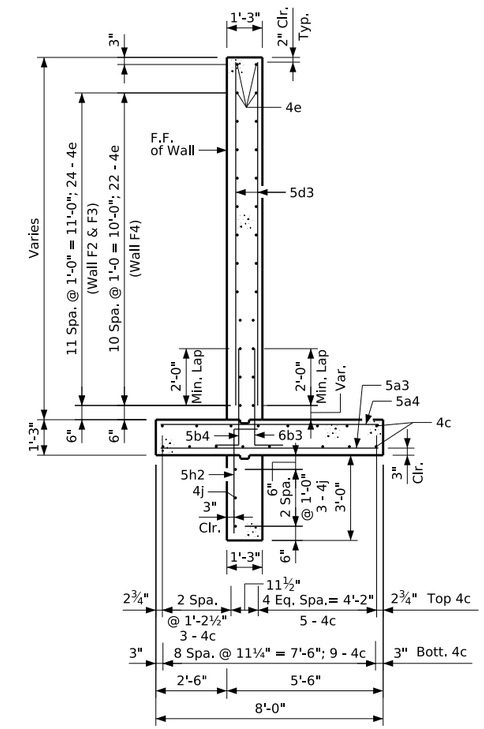
Retaining Wall E1 Section



Retaining Wall F1 Section



Retaining Wall E2, E3 & E4 Section



Retaining Wall F2, F3 & F4 Section

DESIGN FOR VARIABLE SKEW

TRIPLE 16'-0" X 14'-0" X 164'-3" REINFORCED CONCRETE BOX CULVERT

RETAINING WALL DETAILS

STA. 1009+73.75, ℄ MAIN STREET

11/15/2022

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V.27

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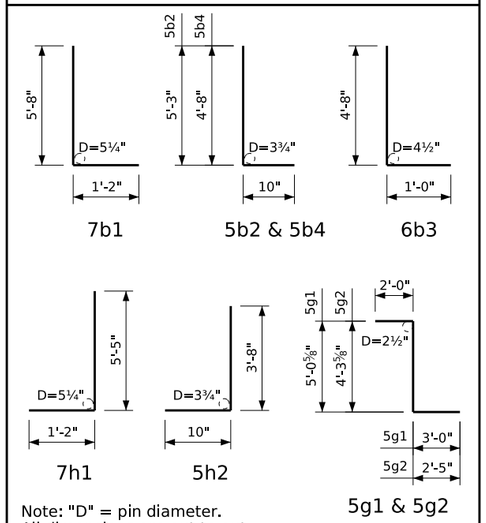
Concrete Placement Quantities

Section	Location	Quantity
1	Wall E2 Key	4.0
2	Wall F2 Key	2.8
3	Wall E3 Key	4.2
4	Wall F3 Key	3.0
5	Wall E4 Key	6.5
6	Wall F4 Key	4.7
7	Wall E1 Footing	18.4
8	Wall E2 Footing	19.7
9	Wall E3 Footing	20.8
10	Wall E4 Footing	31.7
11	Wall Step - 4 @ 0.9 CY	3.6
12	Wall F1 Footing	7.4
13	Wall F2 Footing	8.0
14	Wall F3 Footing	8.4
15	Wall F4 Footing	13.0
16	Wall E1 Stem	15.3
17	Wall F1 Stem	11.7
18	Wall E2 Stem	16.1
19	Wall F2 Stem	12.0
20	Wall E3 Stem	17.4
21	Wall F3 Stem	13.1
22	Wall E4 Stem	25.5
23	Wall F4 Stem	18.3
	Total (CY)	285.6

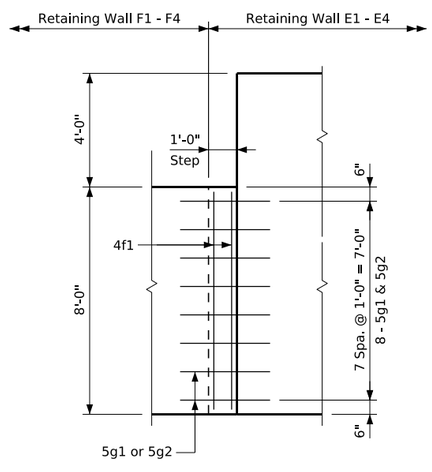
Bent Bar Details



Note: "D" = pin diameter.
All dimensions are out to out.

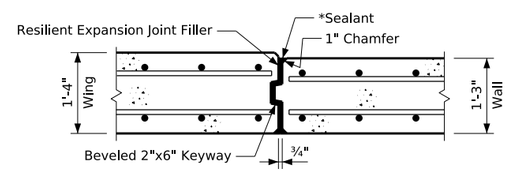
Reinforcing Bar List

Bar	Location	Shape	No.	Length	Weight
5a1	Wall E1 - E4 Footing, Bott. Transv.	——	100	11'-8"	1217
8a2	Wall E1 - E4 Footing, Top Transv.	——	196	11'-8"	6105
5a3	Wall F1 - F4 Footing, Bott. Transv.	——	100	7'-8"	800
5a4	Wall F1 - F4 Footing, Top Transv.	——	133	7'-8"	1064
7b1	Wall E1 - E4 Footing Dowel, Vert. B.F.	┌──	133	6'-10"	1858
5b2	Wall E1 - E4 Footing Dowel, Vert. F.F.	┌──	100	6'-1"	634
6b3	Wall F1 - F4 Footing Dowel, Vert. B.F.	┌──	100	5'-8"	851
5b4	Wall F1 - F4 Footing Dowel, Vert. F.F.	┌──	100	5'-6"	574
5c1	Wall E1 Footing, Horiz. Top & Bott.	——	25	19'-8"	513
4c2	Wall F1 Footing, Horiz. Top & Bott.	——	17	19'-8"	223
5c3	Wall E2 Footing, Horiz. Top & Bott.	——	25	21'-2"	552
4c4	Wall F2 Footing, Horiz. Top & Bott.	——	17	21'-2"	240
5c5	Wall E3 Footing, Horiz. Top & Bott.	——	25	22'-5"	585
4c6	Wall F3 Footing, Horiz. Top & Bott.	——	17	22'-5"	255
5c7	Wall E4 Footing, Horiz. Top & Bott.	——	25	34'-8"	904
4c8	Wall F4 Footing, Horiz. Top & Bott.	——	17	34'-8"	394
6d1	Wall E1 - E4 Stem, Vert. B.F.	——	133	15'-5"	3080
5d2	Wall E1 - E4 Stem, Vert. F.F.	——	100	15'-5"	1608
5d3	Wall F1 - F4 Stem, Vert. E.F.	——	200	11'-0"	2295
4e1	Wall E1 & F1 Stem, Horiz. E.F.	——	60	19'-8"	788
4e2	Wall E2 & F2 Stem, Horiz. E.F.	——	60	21'-2"	848
4e3	Wall E3 & F3 Stem, Horiz. E.F.	——	60	22'-5"	898
4e4	Wall E4 & F4 Stem, Horiz. E.F.	——	56	34'-8"	1297
4f1	Footing Step, Transv.	——	40	7'-8"	205
5g1	Footing Step, Vert.	⌊	32	10'-1"	337
5g2	Footing Step, Vert.	⌊	32	8'-9"	292
7h1	Wall E2 - E4 Key, Vert.	┌──	106	6'-7"	1426
5h2	Wall F2 - F4 Key, Vert.	┌──	101	4'-6"	474
4j1	Wall E2 Key, Horiz.	——	4	21'-1"	56
4j2	Wall F2 Key, Horiz.	——	3	20'-1"	40
4j3	Wall E3 Key, Horiz.	——	4	22'-4"	60
4j4	Wall F3 Key, Horiz.	——	3	21'-4"	43
4j5	Wall E4 Key, Horiz.	——	4	34'-7"	92
4j6	Wall F4 Key, Horiz.	——	3	33'-7"	67
	Reinforcing Steel - Total (LB)				30,675

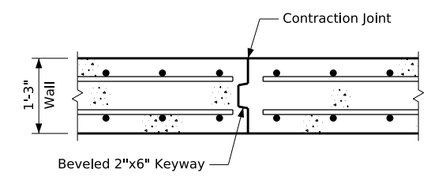


Wall Step Plan

*Note:
Sealant shall be light gray non sag for outdoor use



Expansion Joint Detail



Contraction Joint Detail

DESIGN FOR VARIABLE SKEW

TRIPLE 16'-0" X 14'-0" X 164'-3" REINFORCED CONCRETE BOX CULVERT

RETAINING WALL DETAILS

STA. 1009+73.75, ℄ MAIN STREET

SHEET NO.

V.28

11/15/2022

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: S. INGERSOLL CHECKED BY: S. INGERSOLL DRAWN BY: J. EIFFLER
LETTING DATE: 11/15/2022 CAD DATE: 8/30/2022 2:17:27 PM
CAD FILE: c:\pw_workdir\pw_ie\jae\d0518380\0021C017.02_BRG.dgn

NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

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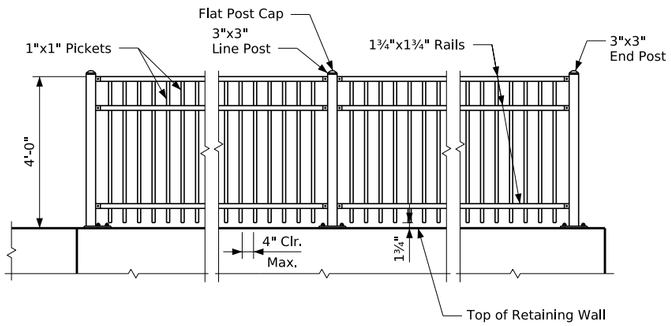
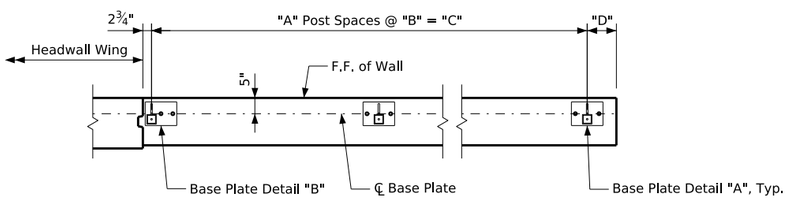
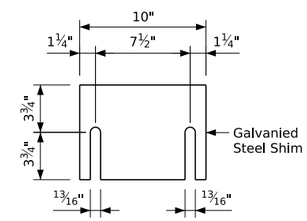


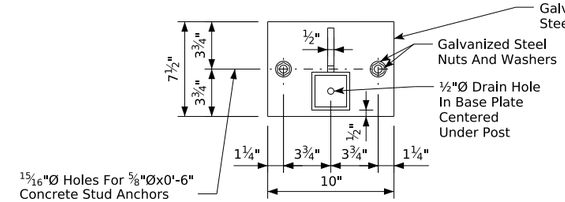
Elevation of Retaining Wall Fence



Post Spacing Plan at Retaining Walls

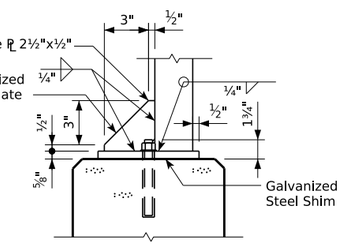
Post Spacing Dimension Table				
Retaining Wall	"A"	"B"	"C"	"D"
E1 & F1	6	6'-6"	39'-0"	9¼"
E2 & F2	7	6'-0"	42'-0"	9¼"
E3 & F3	7	6'-4"	44'-4"	11¼"
E4 & F4	11	6'-3"	68'-9"	1'-0¼"



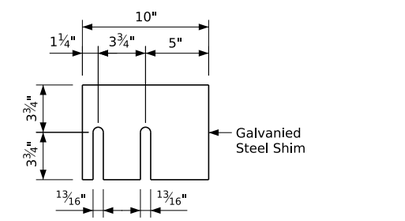


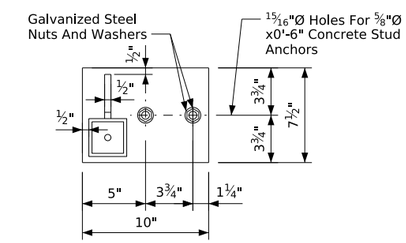
Detail "A"

Note:
Provide 3-1/16" galvanized steel shims for each post, to be used as required.



Note:
Posts and base plates shall be galvanized, after fabrication, in accordance with the requirements of ASTM A123.





Detail "B"
(Shown at E1 & E4; Opposite Hand at Walls E2 & E3)

Ornamental Metal Railing Notes:

The railing is to be bid on a lineal foot basis measured from ℄ to ℄ of end posts. The ornamental metal railing system shall be a 3-rail fence manufactured by the following approved manufacturers:
1. Ameristar Aegis II Xtreme "Majestic"
2. Master Halco Classic Premier Universal 3-rail
3. Merchants Metals Gaurdsman Industrial "The Monroe"
4. Approved equal

The contractor may submit alternate manufacturer's designs and panel layouts for approval. Alternate railing product submissions shall be in general compliance with the railing geometry detailed on this plan and shall meet or exceed the load capacity and surface finish specifications for the Ameristar product. Alternate fence product submissions shall be designed by the manufacturer in accordance with AASHTO LRFD Bridge Design Specifications, 6th Edition. The price bid for "Ornamental Metal Railing" shall be full compensation for furnishing all material, including concrete anchors, shims, concrete encasements for posts along wings, and all of the equipment and labor required to erect the fence in accordance with these plans and specifications.

Shop drawings shall be submitted for review by the Engineer. Railing materials shall not be ordered until approved shop drawings are returned to the contractor. Field cutting of panels will not be allowed.

The stud concrete anchors shall be galvanized and have a minimum pullout strength of 8000 pounds based on 4000 psi concrete.

Base plates shall be provided by the railing manufacturer and shall be galvanized, after fabrication, in accordance with the requirements of ASTM A123. Base plates shall receive a powder coat finish to match the posts.

The railing shall be true to line and comply with the best practice for fence construction of this type. All posts shall be set vertical.

Railing color shall be black.

Base Plate Details For End Posts and Line Posts

Ornamental Metal Railing Quantities	
Location	Quantity
Retaining Walls	194.1
Total (LF)	194.1

DESIGN FOR VARIABLE SKEW

TRIPLE 16'-0" X 14'-0" X 164'-3" REINFORCED CONCRETE BOX CULVERT

RETAINING WALL RAILING DETAILS

STA. 1009+73.75, ℄ MAIN STREET

SHEET NO.
V.29

11/15/2022

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DESIGNED BY: S. INGERSOLL CHECKED BY: S. INGERSOLL DRAWN BY: J. EIFFLER
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General Notes:

Payment for the overhead sign support will be bid per lump sum. Cost will include excavation, signs and conduit placement. Bid item shall be "Overhead Sign, 62 FT Span, Complete".

Sign support foundations are designed for a net allowable bearing pressure of 2500 psf at bottom of footing. Soils shall be verified for minimum bearing capacity before starting foundation construction

Sign support is designed for the following wind pressures:

Extreme -	Service -
Sign Panels - 44 LB/FT²	Sign Panels - 18 LB/FT²
Truss Members - 71 LB/FT²	Truss Members - 28 LB/FT²
Columns - 43 LB/FT²	Columns - 17 LB/FT²

Shop drawings shall be submitted by the contractor in accordance with Article 1105.03 of the Iowa D.O.T. Standard Specifications.

Clear distance from face of concrete to the nearest reinforcing bar shall be 2" unless otherwise shown.

Keyway dimensions shown on the plans are based on nominal dimensions unless stated otherwise. In addition, the bevel used on the keyway shall be limited to a maximum of 10 degrees from vertical.

Structural Alignment/Tolerance Notes:

The precise installation and alignment of all components of the overhead sign support shall be considered essential. The Contractor shall submit documentation to the Engineer showing that the various components have been measured and are located within the tolerances listed below.

Each foundation shall be accurately located, with the center of the two anchor bolt groups not more than 1 inch from the plan location in the direction parallel with the truss and not more than 1 inch from the plan location in the direction perpendicular to the truss.

The two foundations shall be parallel. The distance (along the overhead truss) between the centers of front anchor bolt groups and the distance (along the overhead truss) between centers of rear anchor bolt groups shall not differ by more than 1 inch.

Anchor bolt groups shall be located accurately with centers of adjacent groups in each foundation within $\frac{3}{16}$ inch of the plan distance apart.

Anchor bolts shall be plumb within ¼ inch per foot from vertical.

Anchor bolts shall project above top of foundation within ¼ inch of the plan dimension.

Each steel column shall be plumb within $\frac{1}{16}$ inch per foot of vertical in two perpendicular directions.

The overhead truss shall be square within support posts. The horizontal lines between chords shall be level within $\frac{1}{16}$ inch per foot of horizontal, and the vertical lines between chords shall be plumb within $\frac{1}{16}$ inch per foot of vertical.

Structural Steel Notes:

Steel HSS members shall comply with ASTM A500 Grade C.

Steel W & WT Sections shall comply with ASTM A992.

All steel plates and angles shall comply with ASTM A36 or ASTM A572 Grade 50.

Steel welding shall be in accordance with the current edition of the AWS Specifications D1.1, Structural Welding Code--Steel.

Ultrasonic testing shall be performed on the column-to-base-plate welds.

The entire steel Sign Support Structure, including all connection hardware, shall be galvanized and shop painted in accordance with Materials I.M. 568. Top coat color shall be similar to Federal Standard Color Number 27038 (black). The Contractor shall touch-up all damaged paint areas in the field.

Provide vent holes for galvanizing. Show location and size of vent holes on shop drawings. Locate vent holes at low point in final erected position for all enclosed members.

Galvanized Steel Fastener Notes:

Galvanized steel fasteners shall be in accordance with Article 2408.03, S, and Article 4187.01, C, 2, of the Iowa D.O.T. Standard Specifications. Regular nuts and jam nuts shall be ASTM A563 Grade DH heavy hex. Regular nuts may be substituted for jam nuts. Lock washers shall not be substituted for jam nuts. ASTM A449 Type 1 bolts may be substituted for ASTM A325 Type 1 bolts where necessary to assure proper bolt length and thread length.

Unless otherwise noted on the plans, galvanized steel fasteners shall be tensioned by turn-of-nut method.

Anchor Bolt Notes:

All anchor bolt materials and galvanizing shall be in accordance with Article 4187.01, C, 3, of the Iowa D.O.T. Standard Specifications.

Bending or welding of anchor bolts shall not be allowed.

Specifications:

Design: AASHTO LRFD Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals, Series of 2015 with Interims.

Construction: Iowa Department of Transportation Standard Specifications for Highway and Bridge Construction, Series 2015, plus applicable General Supplemental Specifications, Developmental Specifications, Supplemental Specifications and Special Provisions shall apply to construction of the sign support.

Design Stresses:

Design stresses for materials are in accordance with AASHTO LRFD Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals, Series of 2015 with Interims.

Reinforcing steel in accordance with AASHTO LRFD Bridge Design Specifications, 8th Ed., Series of 2017, Section 5, Grade 60. Concrete in accordance with AASHTO LRFD Bridge Design Specifications, 8th Ed., Series of 2017, Section 5, f'c = 4.0 ksi.

Structural Steel in accordance with AASHTO LRFD Bridge Design Specifications, 8th Ed., Series of 2017. See "Structural Steel Notes" for specific requirements.

Anchor-Bolt Nut Tightening Procedure:

1) This work shall be performed only on days with winds less than 15 mph. All tightening of the nuts is to be done in the presence of the inspector. Once the tightening procedure is started it must be completed on all of the base plate nuts without pause or delay.

2) Properly sized wrenches designed for tightening nuts and/or bolts shall be used to avoid rounding or other damage to the nuts. Adjustable end wrenches or pipe wrenches shall not be used.

3) Base plate, anchor bolts and nuts are to be free of any dirt or debris.

4) Apply stick wax or bees wax to the threads and bearing surfaces of the anchor bolt, nuts, and washers.

5) Tighten top nuts so they fully contact the base plate. Tighten leveling nuts to snug tight condition. Snug tight is defined as the full effort of one person on a wrench with a length equal to 21 inches. Apply force as close to the end of the wrench as possible. Pull firmly by leaning back and using entire body weight on the end of the wrench until the nut stops rotating. Use a minimum of two separate passes of tightening. Sequence the tightening in each pass so that the nut on the opposite side, to the extent possible, will be subsequently tightened until all of the nuts in that pass have been tightened.

6) Tighten top nuts to snug tight as described for the leveling nuts.

7) Match-mark the top nuts and base plate using paint, crayon, or other approved means to provide a reference for determining the relative rotation of the nut and base plate during tightening. Using a striking or hydraulic wrench, further tighten the top nuts in two passes as listed below. Use a sequence of tightening in each pass so that the nut on the opposite side, to the extent possible, will be subsequently tightened until all nuts in that pass have been turned. Do not rotate the leveling nut during the top nut tightening.

Anchor-bolt size	First Pass	Second Pass	Total Rotation
1⅛"∅	1/6 turn	1/6 turn	1/3 turn

8) Lubricate, place and tighten the jam nuts to snug tight.

SIGN SUPPORT DETAILS

11/15/2022

SHEET NO.
V.30

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: S. INGERSOLL CHECKED BY: S. INGERSOLL DRAWN BY: J. EIFFLER
LETTING DATE: 11/15/2022 CAD DATE: 8/30/2022 2:17:29 PM
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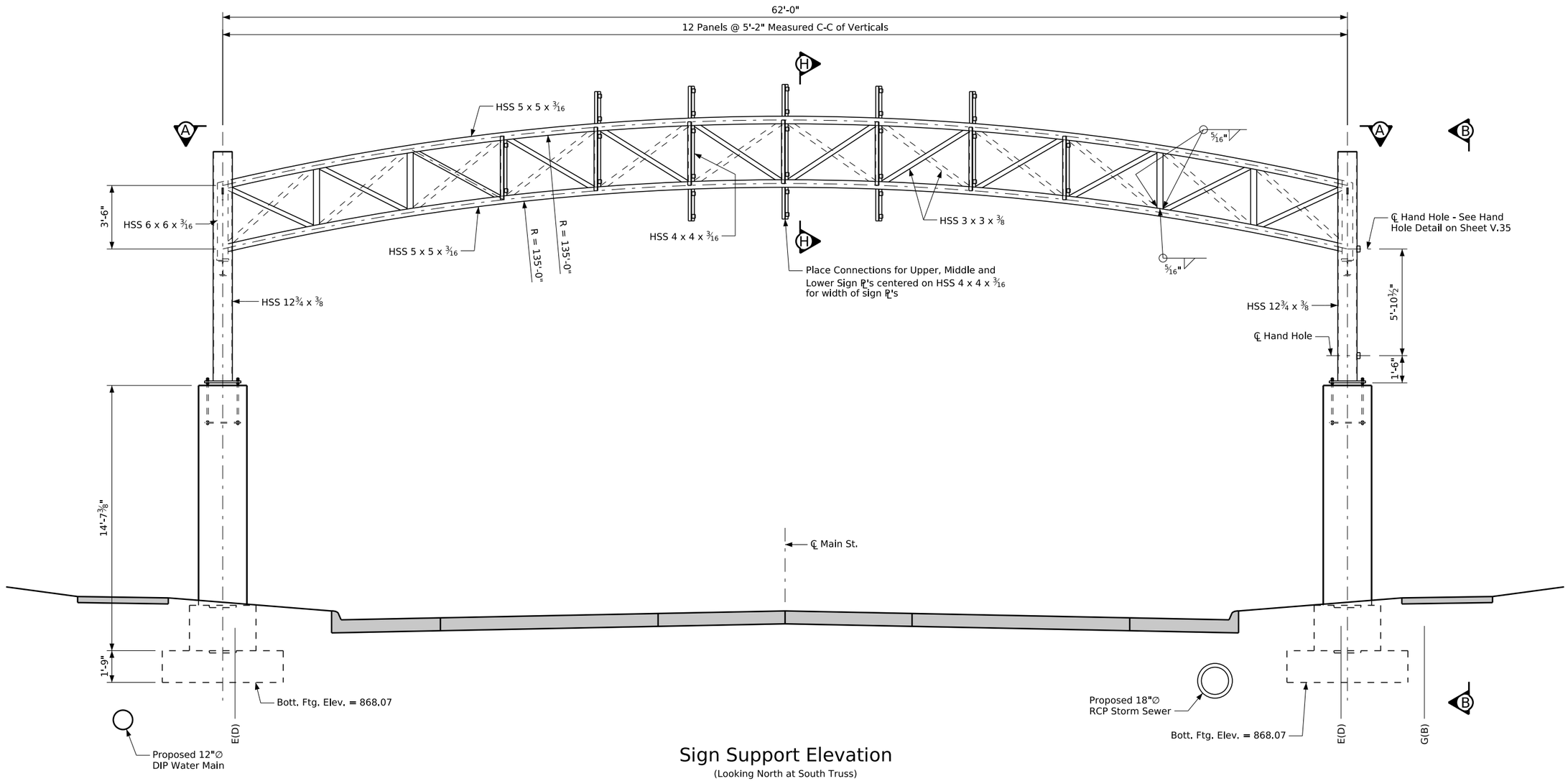

Sign Support Elevation

(Looking North at South Truss)

Notes:
North truss diagonals are shown with dashed lines.

Face brick and cast stone on concrete columns and sign panels on truss not shown. See LS-Sheets for details.

Note:
See Sheet V.32 for View A-A & View B-B.
See Sheet V.33 for Section H-H.

SIGN SUPPORT DETAILS

11/15/2022

SHEET NO.
V.31

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: S. INGERSOLL	CHECKED BY: S. INGERSOLL	DRAWN BY: J. EIFFLER	
LETTING DATE: 11/15/2022	CAD DATE: 8/30/2022	2:17:30 PM	
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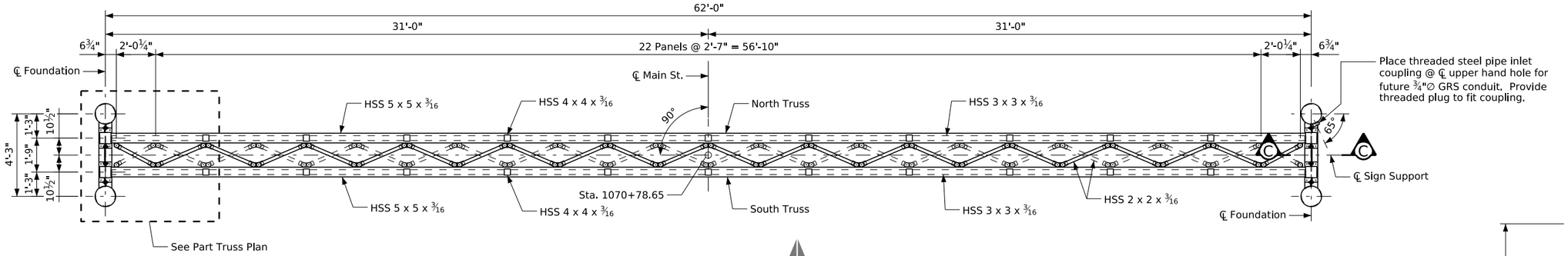
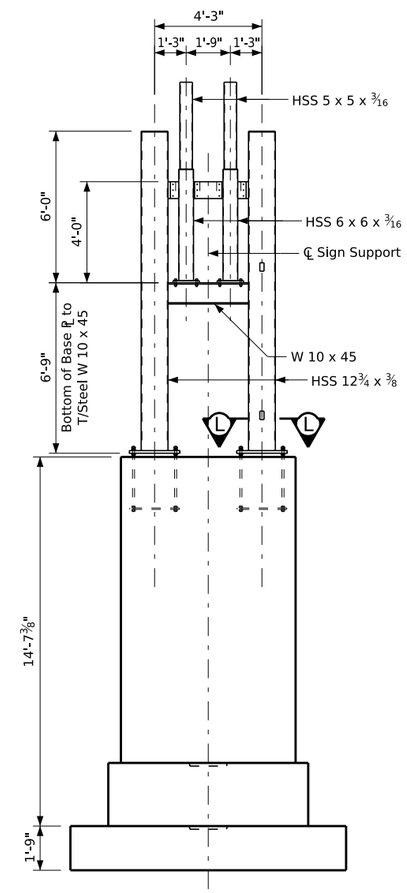


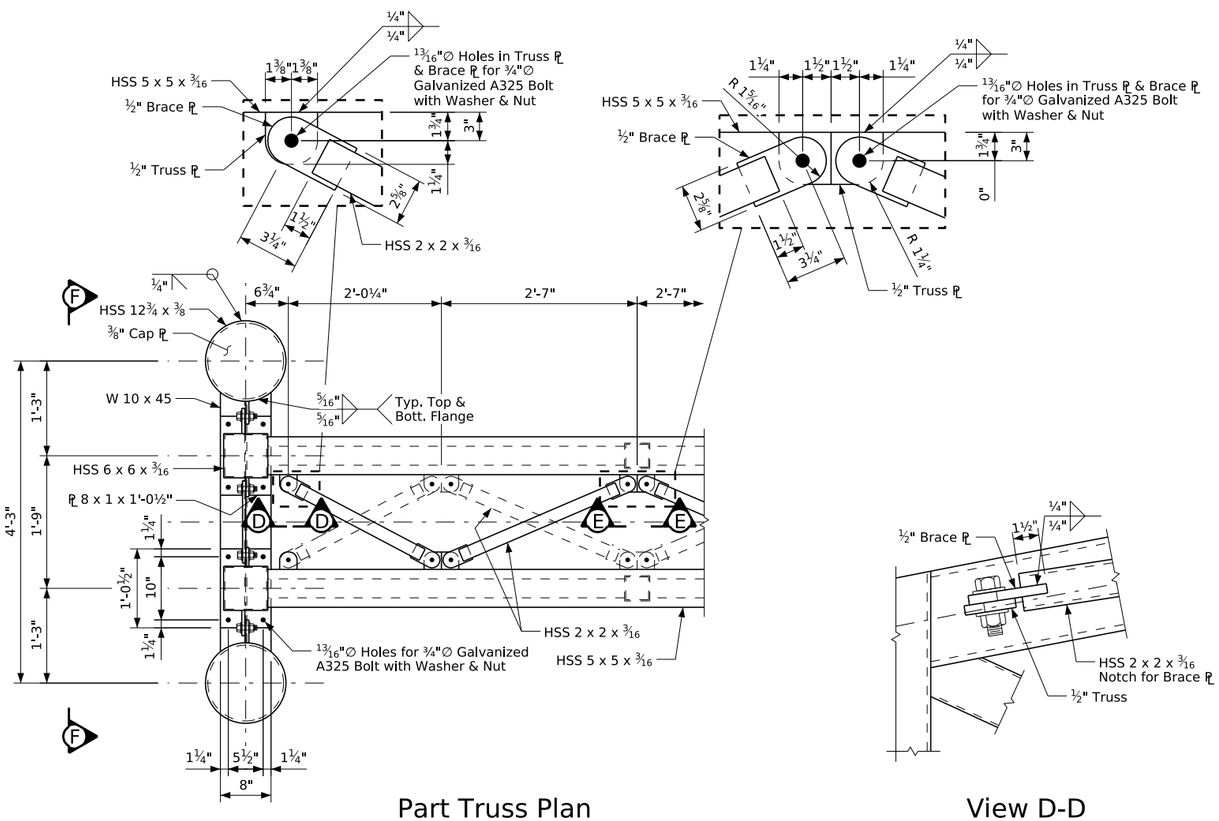
View A-A

Note:
Bottom face diagonals are shown with dashed lines.

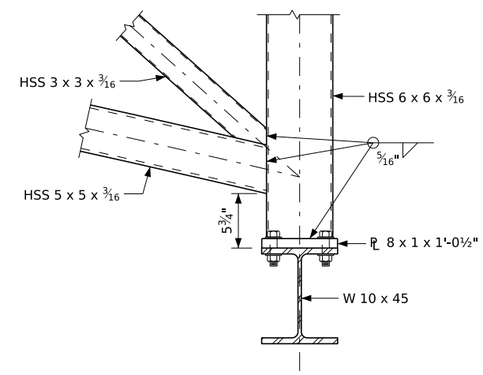


View B-B

Note:
HSS 2 x 2 x 3/16 not shown for clarity.

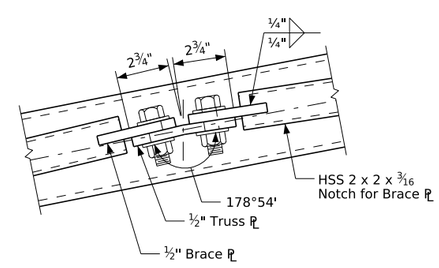


Part Truss Plan



Section C-C

View D-D



View E-E

Note:
See Sheet V.31 for location of View A-A.
See sheet V.34 for Section L-L.

SIGN SUPPORT DETAILS

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
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MAIN STREET RECONSTRUCTION
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CEDAR FALLS, IA

11/15/2022

SHEET NO.
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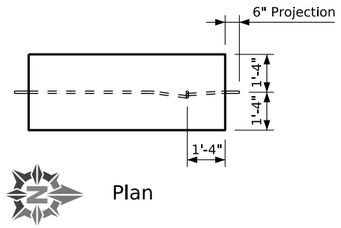
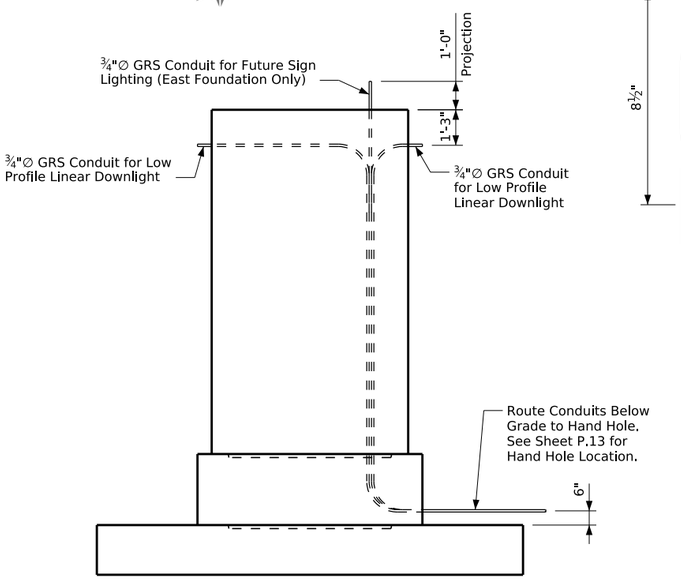
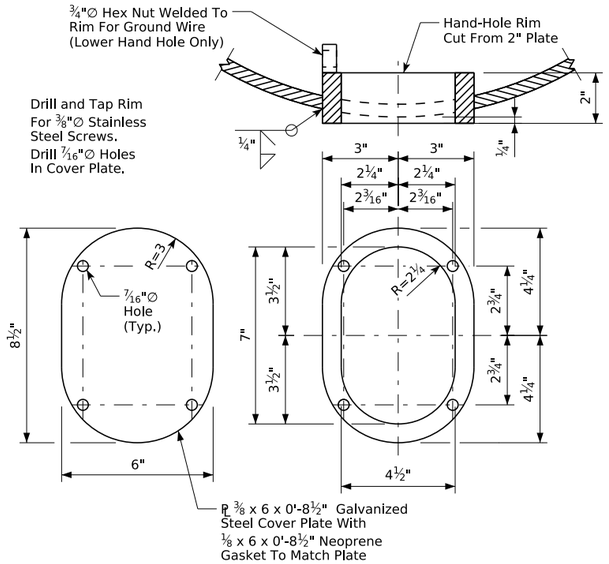


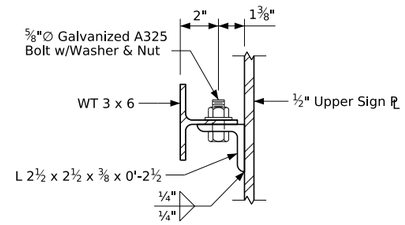


Elevation
(Looking West)

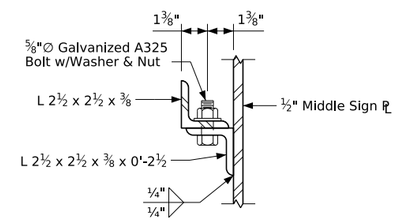
Conduit Layout



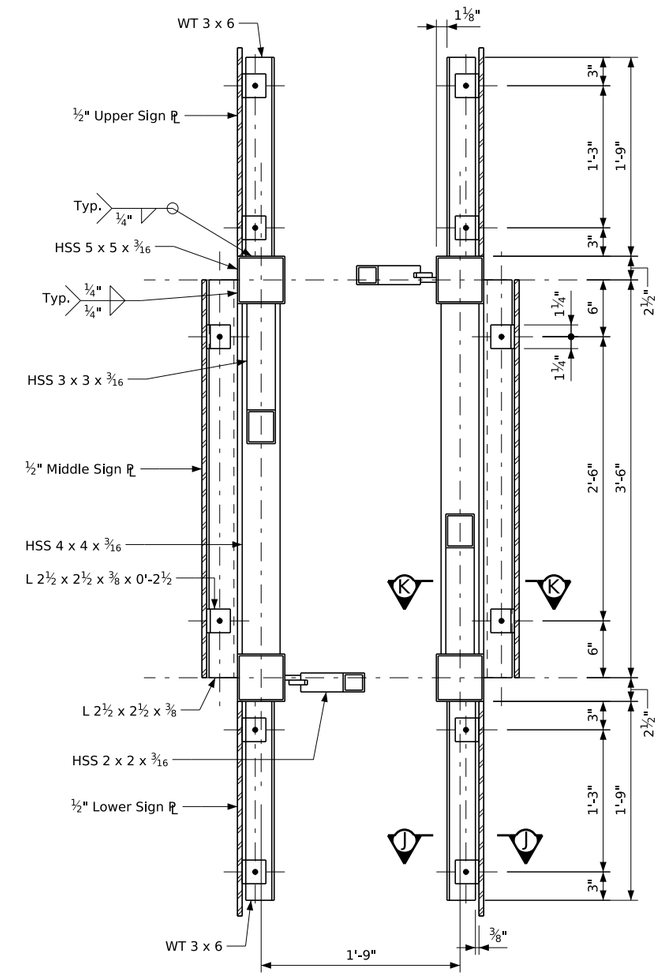
Hand Hole Detail



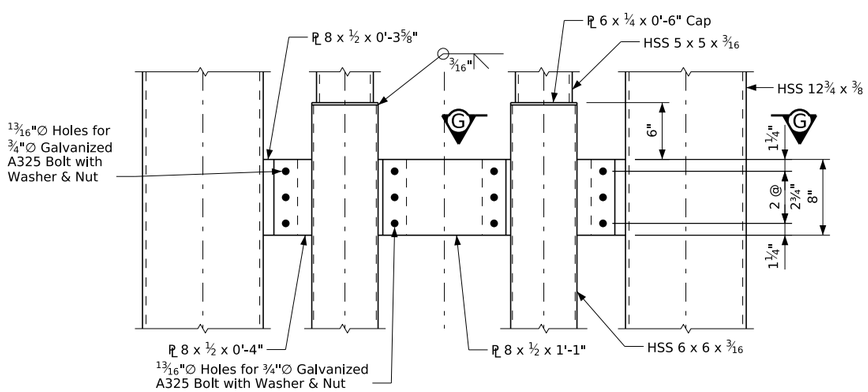
Section J-J



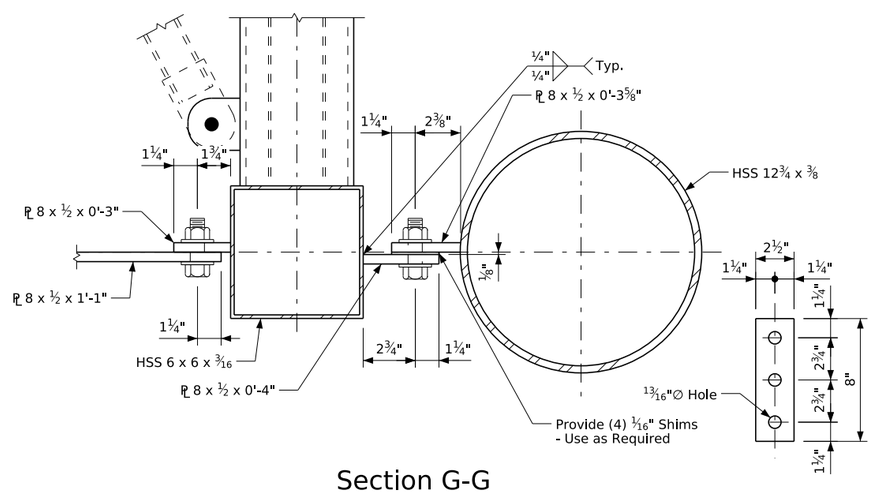
Section K-K



Section H-H



View F-F



Section G-G

Note:
See Sheet V.32 for location of View F-F.
See sheet V.31 for location of Section H-H.

SIGN SUPPORT DETAILS

11/15/2022

SHEET NO.
V.33

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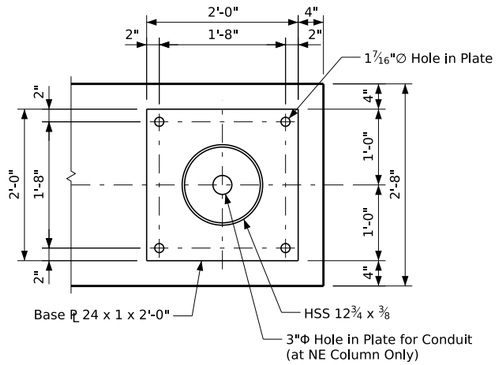
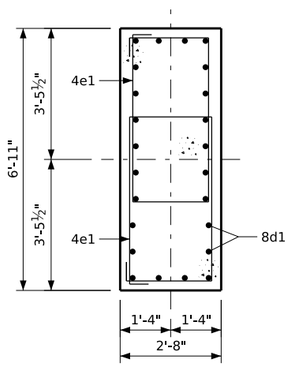


Section L-L



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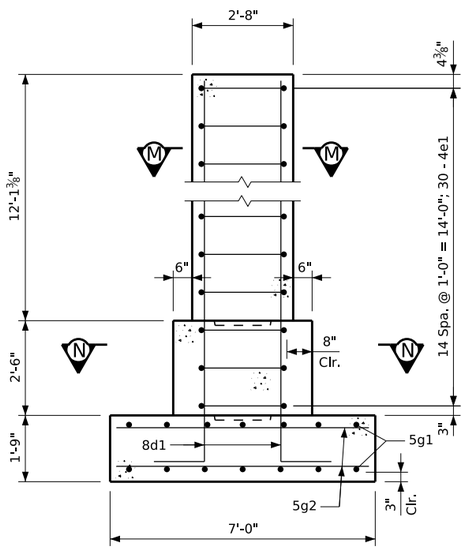
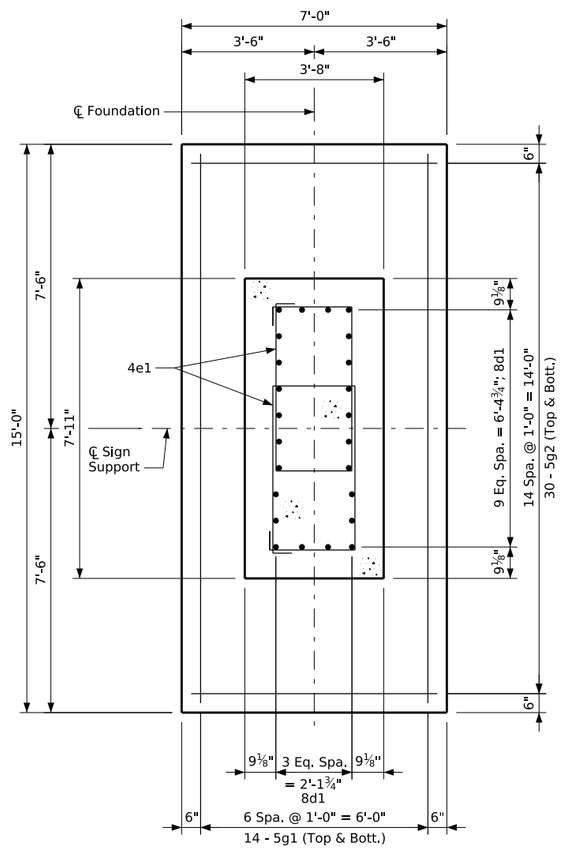
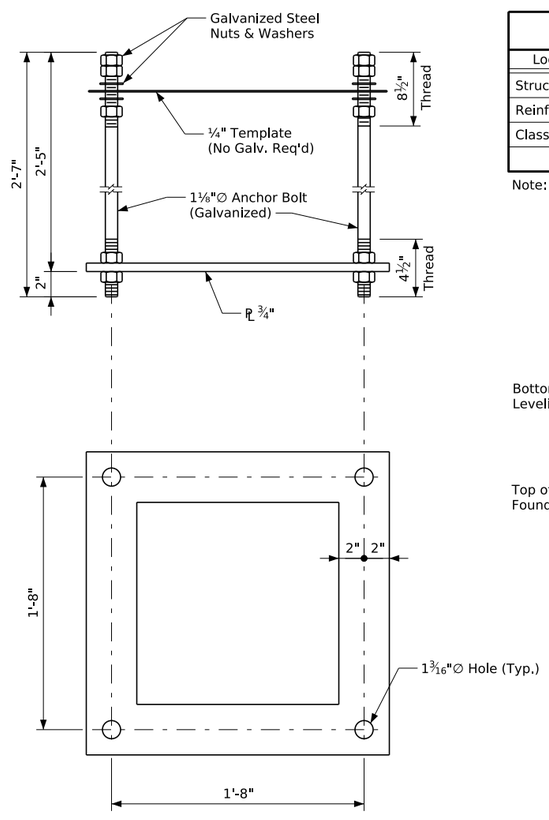


Foundation Elevation

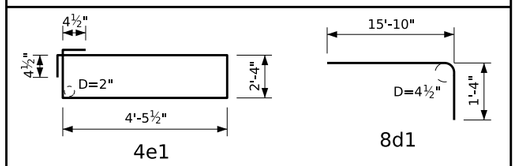


Section N-N



Anchor Bolt Assembly

Bent Bar Details



Note: All Dimensions are out to out. D = Pin Diameter.

Reinforcing Bar List - One Foundation

Epoxy Coated Reinforcing

Bar	Location	Shape	No.	Length	Weight
8d1	Column Dowels		24	17'-2"	1100
4e1	Column Ties		30	14'-4"	287
5g1	Footing, Longit. Top & Bott.		14	14'-8"	214
5g2	Footing, Transv. Top & Bott.		30	6'-8"	209
	Reinforcing Steel - Total (LB)				1810

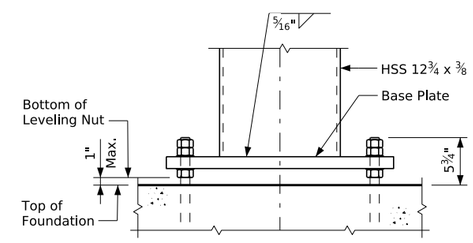
Concrete Placement Quantities - One Foundation

Location	Total
Columns	11.0
Footings	6.8
Total (CY)	17.8

Estimated Foundation Quantities

Location	Unit	Total
Structural Concrete (Miscellaneous) (2 @ 17.8)	CY	35.6
Reinforcing Steel Epoxy Coated (2 at 1810)	LB	3620
Class 20 Excavation (2 @ 41)	CY	82

Note: Foundation quantites are provided for information only.



Post Base Detail

Note:
See Sheet V.32 for location of Section L-L.

Place leveling nuts as close to top of foundation as practicable.

SIGN SUPPORT DETAILS

11/15/2022

SHEET NO.
V.34

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: S. INGERSOLL CHECKED BY: S. INGERSOLL DRAWN BY: J. EIFFLER
LETTING DATE: 11/15/2022 CAD DATE: 8/30/2022 2:17:31 PM
CAD FILE: c:\pw_workdir\pw_ie\jae\d0518380\0021C017.02_BRG.dgn

NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
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General Notes:

It is the intent of this design to construct a 8' x 4' precast reinforced concrete box culvert from Structure S-96 to Structure S-99.

Faint lines on plans indicate existing structure.

Utility companies and municipalities whose facilities are shown on the plans or known to be within the construction limits shall be notified by the Contractor of the construction starting date.

The precast R.C.B. Culvert sections are designed for HL-93 live load and earth fills of 3' to 6' feet.

The precast R.C.B. barrel and end section shall conform to Iowa D.O.T. Single Precast R.C.B. Culvert Standards. At the Contractor's option, precast barrel sections may conform to ASTM C1577.

Excess Class 20 Excavation material suitable for backfilling shall be stockpiled at the construction site, as directed by the Engineer.

Class 20 Excavation material unsuitable for backfilling shall be disposed of in a manner that will leave the site in a neat condition.

When de-watering presents a problem for placing the curtain walls as detailed, alternate methods such as steel sheet pile may be approved but at no additional cost. See Standard Sheet PES 11-20 for details.

The length in linear feet of precast reinforced concrete box culvert will be based on the plan quantity. For the number of linear feet given on the plan, the Contractor will be paid the contract unit price per linear foot. The payment shall be full compensation for furnishing all material, labor and equipment necessary to complete the work. Refer to the Estimate Reference note for "Precast Concrete Box Culvert, 8 Ft. x 4 Ft." for additional information on bidding the box culvert.

For each precast concrete box culvert straight end section installed the Contractor will be paid the contract price per each. The payment shall be full compensation for furnishing all material (including lintel beams and curtain walls), labor and equipment necessary to complete the work. Refer to the Estimate Reference note for "Precast Concrete Box Culvert, Straight End Section, 8 Ft. x 4 Ft." for additional information on bidding the end section.

The curtain wall and the Type 3 lintel beam or Type 1 parapet shall be precast.

The Contractor shall furnish and install culvert ties for all joints. The main section joints will have one tie on each side of the barrel and the last barrel section will be attached to the end sections with two ties per side. The end section joints will have two ties per side.

Culvert ties shall be included in the cost for precast concrete box culvert. Tie rods will be 1 inch diameter steel and shall meet requirements of ASTM A709 Grade 36 or equal. See Standard Sheet G2-20 for details.

Culvert tie assemblies shall be galvanized after fabrication.

The limits for excavation for the precast concrete box culvert shall be as shown on the "Granular Leveling Material Detail".

A minimum of 6 inches of granular leveling material shall be used as bedding for the precast box culvert. The bedding shall be shaped to a flat base using a template. All costs including material and labor associated with providing and installing the granular leveling material shall be included in the bid item "Precast Concrete Box Culvert, 8 Ft. x 4 Ft."

The precast box culvert shall be built to the dimensions and specifications shown in these plans.

The Contractor shall submit details (i.e. Shop Drawings) of the proposed precast concrete box sections for this project. The details shall include the following information as found on Standard Sheet 1089P:

A. A Situation Plan drawing showing the manhole to manhole dimensions for the line of the culvert sections.
B. Dimension the number of precast sections and section lengths.
C. A detail of the precast barrel sections showing a cross section view of the section, steel locations, dimensions, etc.
D. A detail of the precast concrete culvert end section showing a cross section view of the sections, steel locations, dimensions, etc. similar to the end section details shown in the Iowa D.O.T. Standards.

The Contractor shall provide all information shown on Standard Sheet 1089P.

The Contractor shall allow 30 working days for the Engineer's Shop Drawing review.

All reinforcing bars and bars noted as dowels supplied for this structure shall be deformed reinforcement unless otherwise noted or shown.

Keyway dimensions shown on the plans are based on nominal dimensions unless stated otherwise. In addition, the bevel used on the keyway shall be limited to a maximum of 10 degrees from vertical.

Minimum clear distance from face of concrete to near reinforcing bar is to be 2" from cast-in-place concrete unless other noted or shown.

Dowel Installation Note:

The 5d1 bars shall be set as dowels in drilled holes using a polymer grout system in accordance with Article 2301.03, E, of the Standard Specifications. Holes are to be 10" deep. The dowels shall be installed in accordance with the grout manufacturer's recommendations.

Installation Notes:

Precast concrete box culvert sections shall be laid with the groove end of each section up-grade, and the sections shall be tightly joined. Concrete ties to be used only to hold box sections together, not for pulling sections tight. Joint openings between sections should be as tight as practicable and limited to a maximum of ¾ inch openings. The joint on the bottom of the culvert shall be sealed with a flexible water tight 1 inch butyl rope gasket as per Materials I.M. 491.09.

Butyl rope gasket shall be installed in accordance with the recommendations of the Manufacturer and shall extend vertically 6 inches above the bottom fillet. All joints shall be trimmed clean on the inside after sealing.

The Contractor shall place a 2 foot wide piece of engineering fabric around the top and sides of each precast joint. The fabric shall be centered with 1 foot on each side of the joint, the fabric shall be attached to the walls and top of each section to prevent the fabric from slipping off the joint during backfilling operations. Attachment methods shall be approved by the Engineer.

The granular leveling material shall be installed in accordance with Article 2402.03, H, 4, of the Standard Specifications. If the plans call for larger granular material to be installed below the granular leveling material, the Contractor shall place engineering fabric below the granular leveling material to separate the layers. The fabric shall be oversized by a minimum of 1 foot on all edges to contain the granular leveling material.

All costs including material and labor associated with providing and installing the engineering fabric as described above for the joints and underlayment of the granular leveling material shall be included in the bid items "Precast Concrete Box Culvert, 8 Ft. x 4 Ft." and "Precast Box Culvert Straight End Section, 8 Ft. x 4 Ft.". The engineering fabric shall be in accordance with Article 4196.01, B, 3, of the Standard Specifications.

Class E revetment will be placed around the precast concrete box culvert end section, as shown in these plans.

During backfilling the compaction adjacent to the bottom corner radii or chamfer shall be accomplished with a mechanical hand compactor.

The Contractor shall furnish and install lifting hole plugs for each section. Lifting holes shall be plugged with a precast concrete plug or plastic plug approved by the Engineer, sealed and covered with a 2'-0" x 2'-0" piece of engineering fabric centered over the hole and attached to the section to prevent the fabric from slipping.

Specifications:

Design:
AASHTO LRFD Bridge Design Specifications, 8th Ed., Series of 2017.

Construction:
Iowa Department of Transportation Standard Specifications for Highway and Bridge Construction, current series, plus applicable General Supplemental Specifications, Developmental Specifications, Supplemental Specifications and Special Provisions

Design Stresses:

Design stresses for the following materials are in accordance with the AASHTO LRFD Bridge Design Specifications, 8th Ed., Series of 2017:

Precast Box Culvert:
Reinforcing steel in accordance with AASHTO LRFD Section 5, Grade 60.
Welded Wire Reinforcement in accordance with AASHTO LRFD Section 5.
Concrete in accordance with AASHTO LRFD Section 5, f'c = 5.0 ksi.

Manhole Structures:
Reinforcing steel in accordance with AASHTO LRFD Section 5, Grade 60.
Concrete in accordance with AASHTO LRFD Section 5, f'c = 4.0 ksi.

Granular Leveling Material Specifications:

Description:
Crushed Stone, Crushed Gravel, or Natural Sand
Produce crushed gravel as a separate operation by crushing the gravel particles retained on a screen at least ¼ inch larger than the top aggregate size specified. Natural Sand does not require crushing.

Gradation
Meet the requirements for either Gradation 19 or Gradation 21 of the Aggregate Gradation Table, Article 4109.02 of the Standard Specification or meet the requirements for Leveling Aggregate shown in Table 2 below.

Quality
The requirements of Table 1 apply to individual coarse aggregates and the parent material of the manufactured sand.

Standards:
For details and notes not shown refer to the following Iowa D.O.T. - Highway Standards:

Standard	Issued	Revised
PRCB G1-20	12-20	---
PRCB G2-20	12-20	10-21
PRCB 8-20	12-20	---
PES 1-20-T1	12-20	---
PES 2-20-T1	12-20	---
PEP 12-20	12-20	---
PES 1-20-T3	12-20	10-21
PES 2-20-T3	12-20	---
PES 9-20-T3	12-20	---

Table 1 Coarse Aggregate Quality

Coarse Aggregate Quality	Maximum Percent Allowed	Test Method
Abrasion	50	AASHTO T 96
C – Freeze (a)	20	Iowa DOT Materials Laboratory Test Method No. 211, Method C
A – Freeze (a)	6	Iowa DOT Materials Laboratory Test Method No. 211, Method A
Alumina (a)	0.5	Iowa DOT Materials Laboratory Test Method No. 222

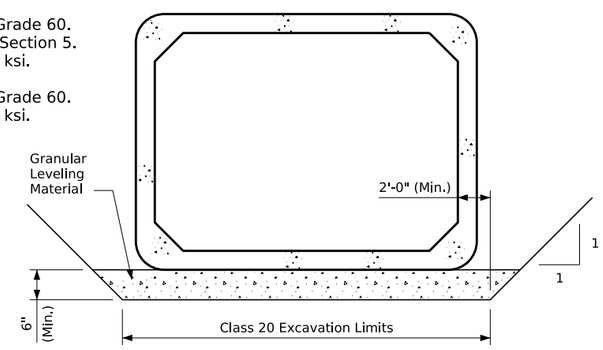
(a) Meet at least one of the C- Freeze, A-Freeze, or Alumina requirements.

Table 2 Leveling Material Gradation Table

Std. Sieve Sz.	1 1/2"	1.00"	3/4"	1/2"	3/8"	4	8	30	50	100	200
Intended Use	Percent Passing										
Leveling Aggregate					100	95-100	50-80		0-15		0-4

Traffic Control Plan

Note: The roadway will be closed to thru traffic. Refer to the Traffic Control Plan shown elsewhere in these plans.



Granular Leveling Material Detail

Granular leveling material shall terminate 3'-0" short of the precast curtain wall.

Working Drawing And Calculations Submittals

Working drawings and calculations shall be submitted for the following items shown in the table below. (Note additional working drawings and calculations may be required in accordance with Article 1105.03 of the Standard Specifications.)

Submittal requirements for working drawings and calculations shall be in accordance with Article 1105.03 of the Standard Specifications for Highway and Bridge Construction of the Iowa Department of Transportation. The absence of a certification requirement for a submittal does not relieve the Contractor of the responsibility to attain certification.

Calculation submittals in this table which are associated with working drawing submittals shall be submitted on the same day. Review time for calculation submittals shall be of the same duration as and run concurrently with review time for associated working drawings. The calculation submittals listed in the table are not meant to be an exhaustive list and do not relieve the Contractor from providing additional calculation submittals if requested by the Engineer.

No.	Working Drawing Description	Working Drawing File Name Convention For Submittal	Certified By Iowa P.E. (Yes/No)
1	Precast RCB	N/A	NO
2	Precast End Section	N/A	NO
3	–	–	–
4	–	–	–
No.	Calculation Description	Calculation File Name Convention For Submittal	Certified By Iowa P.E. (Yes/No)
5	–	–	–
6	–	–	–
7	–	–	–

8'-0" X 4'-0" PRECAST REINFORCED CONCRETE BOX CULVERT

GENERAL NOTES

11/15/2022

SHEET NO.
V.35

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: T. CIHA CHECKED BY: S. INGERSOLL DRAWN BY: J. EIFFLER
LETTING DATE: 11/15/2022 CAD DATE: 8/30/2022 2:17:32 PM
CAD FILE: c:\pw_workdir\pw_ie\jae\d0518380\0021C017.02_BRG.dgn

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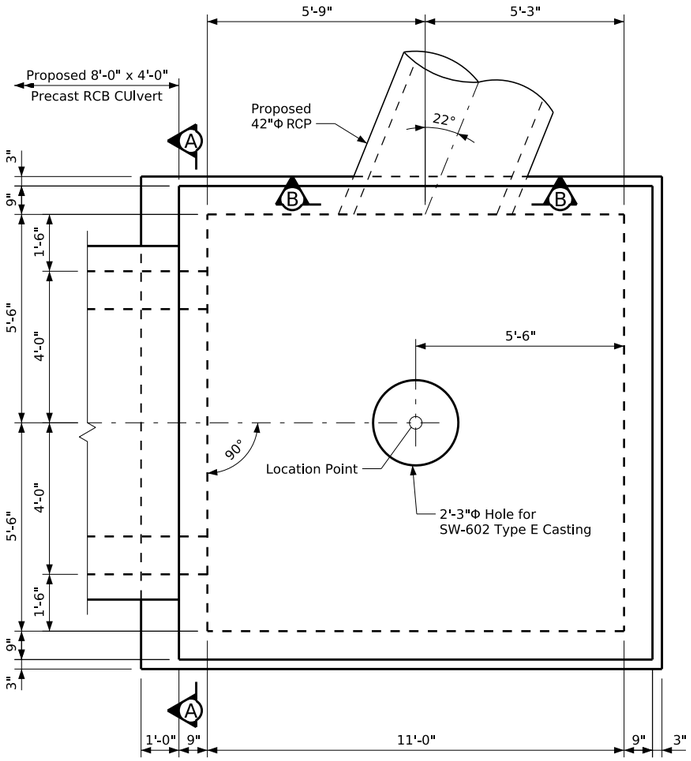
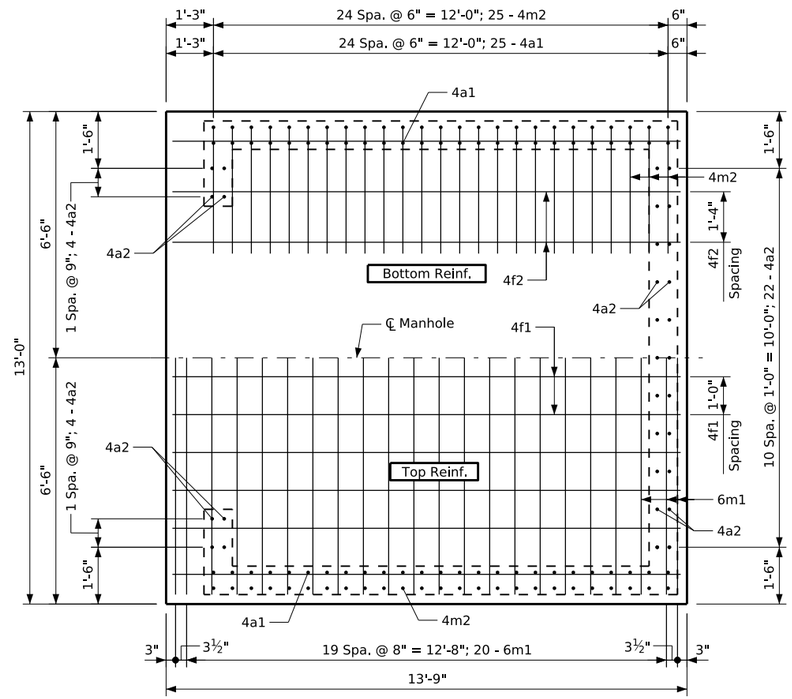
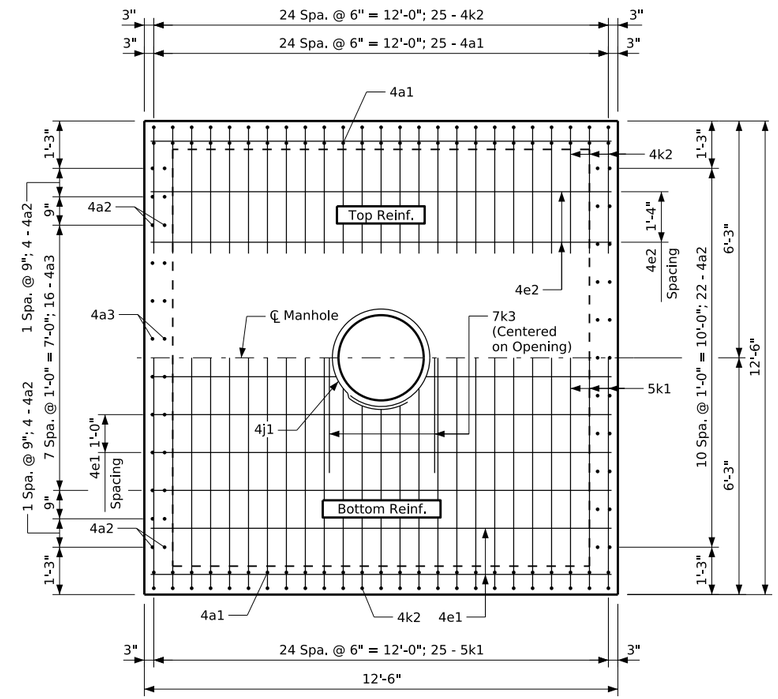


Plan



Floor Plan



Slab Plan

Note:
See Sheet V.37 for Sections A-A & B-B.

8'-0" X 4'-0" PRECAST
REINFORCED CONCRETE BOX CULVERT

MANHOLE S-96 DETAILS

11/15/2022

SHEET NO.
V.36

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: T. CIHA	CHECKED BY: S. INGERSOLL	DRAWN BY: J. EIFFLER	
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UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

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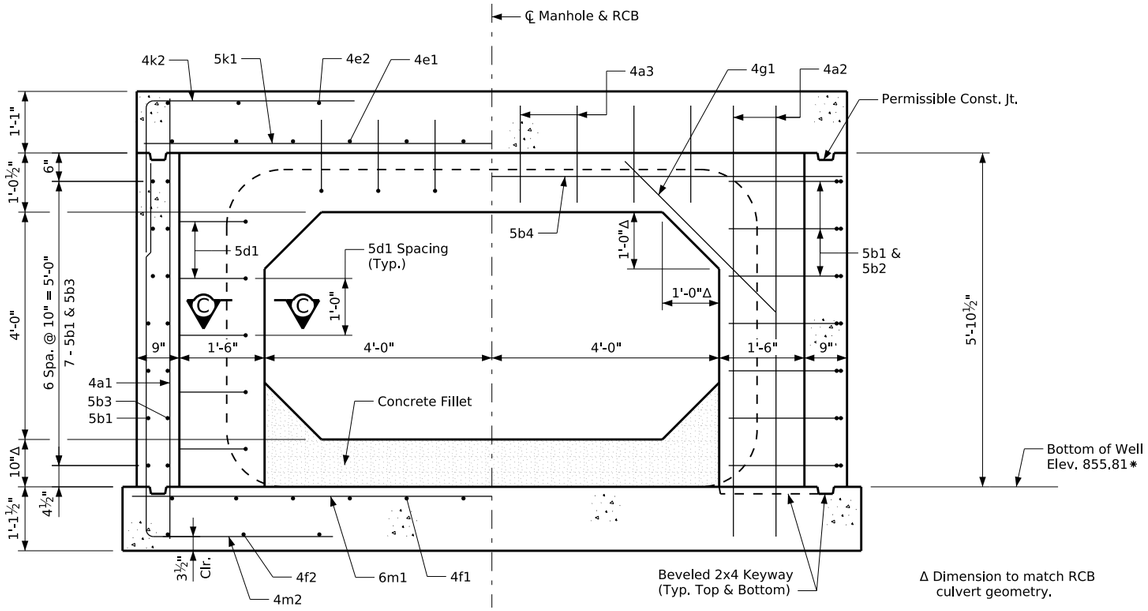
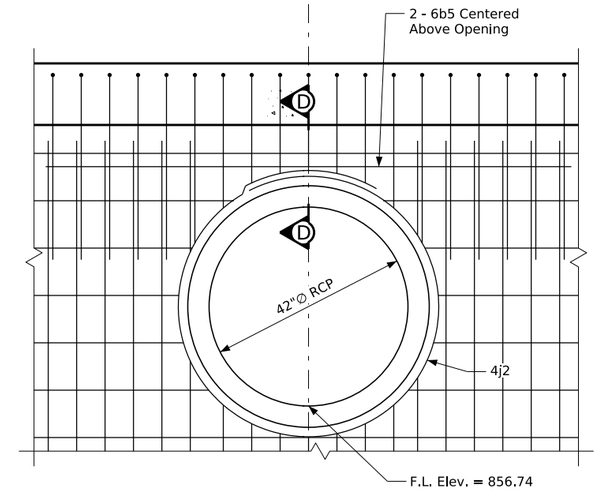


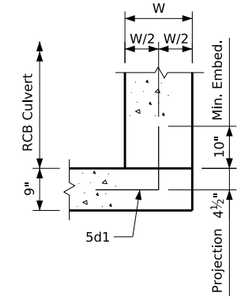
Δ Dimension to match RCB culvert geometry.

∗ Lower bottom of well elevation if 8' x 4' Precast RCB floor thickness is greater than 10".

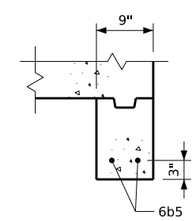
Section A-A



Part Section B-B



Section C-C



Section D-D

Note:
See Sheet V.36 for location of Sections A-A & B-B.

8'-0" X 4'-0" PRECAST REINFORCED CONCRETE BOX CULVERT

MANHOLE S-96 DETAILS

SHEET NO.

V.37

11/15/2022

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07		FOTH PROJECT NO:	0021C017.02
DESIGNED BY: T. CIHA	CHECKED BY: S. INGERSOLL	DRAWN BY:	J. EIFFLER
LETTING DATE: 11/15/2022	CAD DATE: 8/30/2022		2:17:34 PM
CAD FILE: c:\pw_workdir\pw_ie\jae\d0518380\0021C017.02_BRG.dgn			

NO	DATE	BY	REVISION DESCRIPTION

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UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

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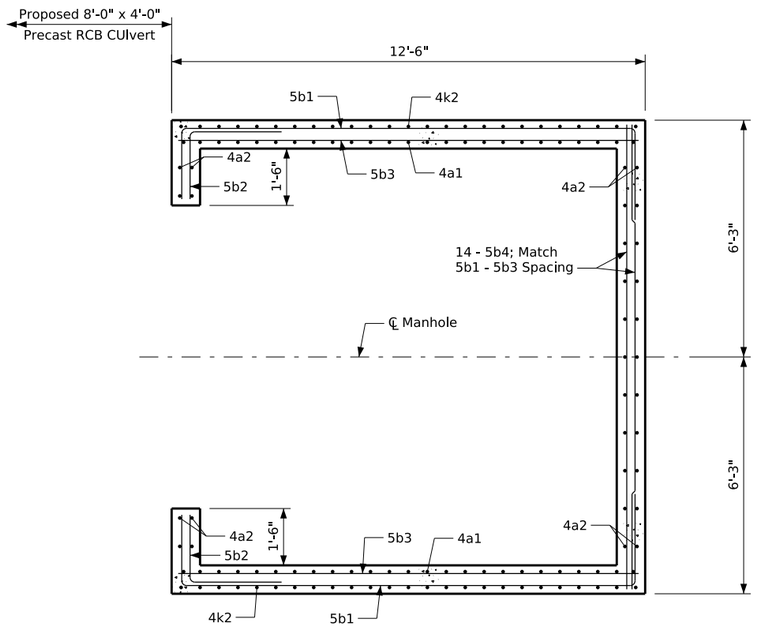
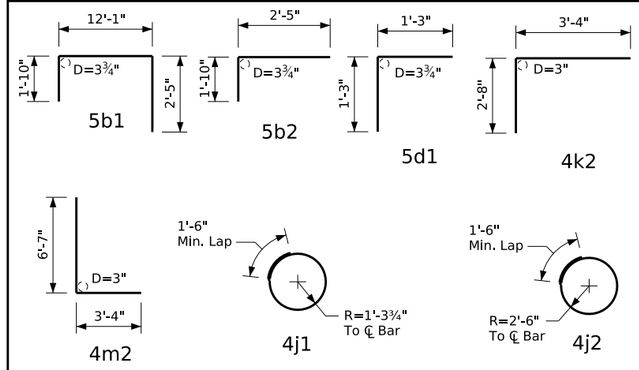


Section Thru Wall

Bent Bar Details



Note: All dimensions are out to out. D = Pin Diameter.

Concrete Placement Quantities - One Manhole

Location	Quantity
Floor	7.5
Walls	6.2
Slab	6.1
Total (CY)	19.8

Note:
Concrete fillet is not included in the concrete placement quantities shown above. Concrete (including fillet) and reinforcing steel are considered incidental to the "Manhole S-96" bid item.

Reinforcing Bar List - One Manhole

	Bar	Location	Shape	No.	Length	Weight
*	4a1	Walls, Vert., Inside Face	—	50	7'-7"	253
	4a2	Wall, Vert., Both Faces	—	30	7'-7"	152
	4a3	Wall, Vert., Above & Below Opening, Both Faces	—	16	1'-9"	19
*	5b1	Walls, Horiz., Outside Face	⊓	14	16'-4"	238
	5b2	Walls, Horiz., Inside Face	⊓	14	4'-3"	62
*	5b3	Walls, Horiz., Inside Face	—	14	12'-2"	178
	5b4	Walls, Horiz., Both Faces	—	16	12'-2"	203
	6b5	Walls, Horiz. Above Opening, Both Faces	—	2	9'-3"	28
	5d1	Culvert Dowels	⊓	17	2'-6"	44
*	4e1	Slab, Longit., Bottom	—	12	12'-2"	98
	4e2	Slab, Longit., Top	—	6	12'-2"	49
	4f1	Floor, Longit., Top	—	12	13'-5"	108
	4f2	Floor, Longit., Bottom	—	6	13'-5"	54
	4g1	Wall, Diagonal, At Corners, Both Faces	—	4	3'-5"	9
	4j1	Slab, Hoop At Opening, Both Faces	○	2	9'-9"	13
	4j2	Slab, Hoop At Opening, Both Faces	○	2	17'-3"	23
*	5k1	Slab, Transv., Bottom	—	25	12'-2"	317
*	4k2	Walls, Vert., Outside Face	⊓	50	6'-0"	200
	7k3	Slab, Reinf. At Opening, Bottom	—	2	6'-1"	25
	6m1	Floor, Transv., Top	—	22	12'-8"	419
*	4m2	Walls, Vert., Outside Face	⊔	50	9'-11"	331
		Reinforcing Steel - Total (LB)				2823

*Note:
Field trim bars as required to provide 2" clearance to wall/slab openings.

8'-0" X 4'-0" PRECAST REINFORCED CONCRETE BOX CULVERT

MANHOLE S-96 DETAILS

11/15/2022

SHEET NO.
V.38

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: T. CIHA CHECKED BY: S. INGERSOLL DRAWN BY: J. EIFFLER
LETTING DATE: 11/15/2022 CAD DATE: 8/30/2022 2:17:35 PM
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MAIN STREET RECONSTRUCTION
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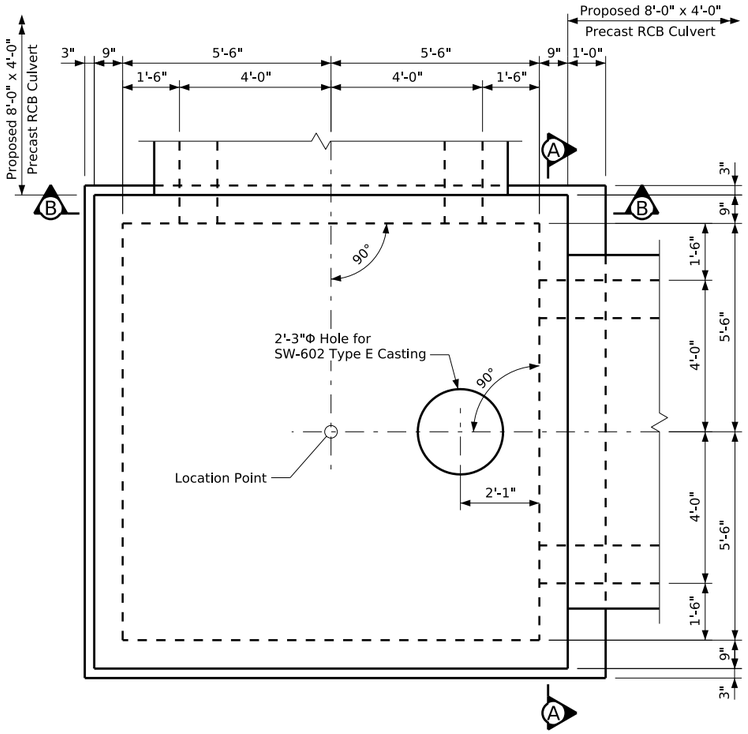
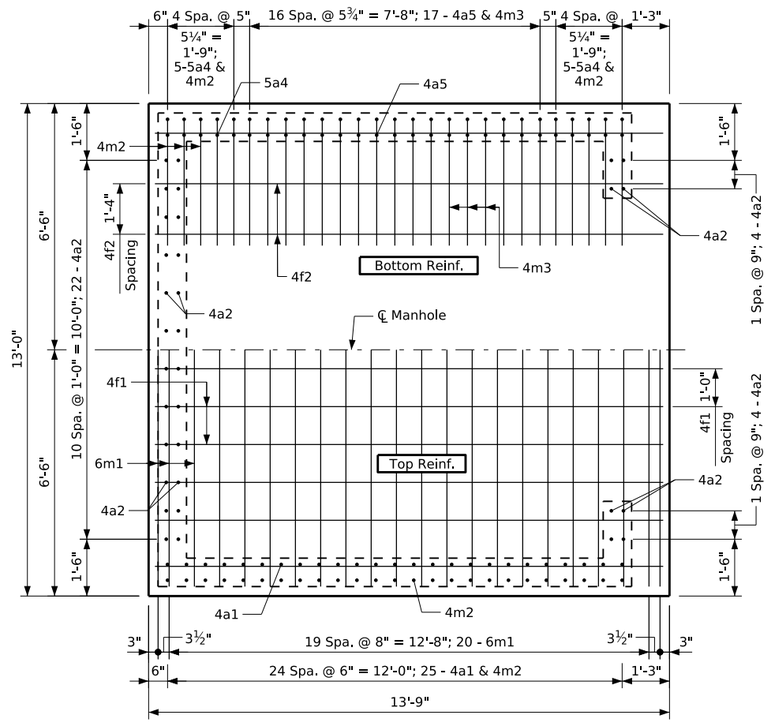
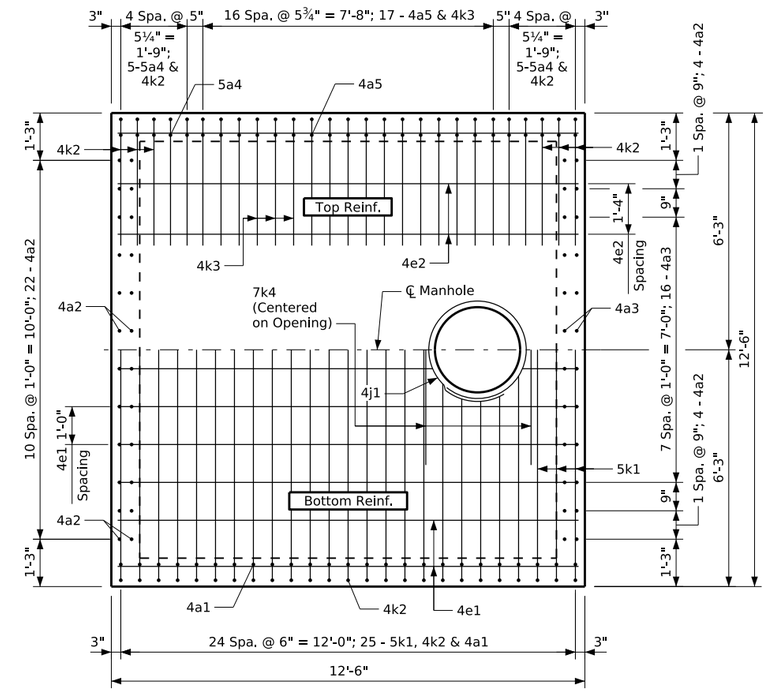


Plan



Floor Plan



Slab Plan

Note:
See Sheet V.40 for Sections A-A & B-B.

8'-0" X 4'-0" PRECAST REINFORCED CONCRETE BOX CULVERT

MANHOLE S-97 DETAILS

11/15/2022

SHEET NO. **V.39**

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: T. CIHA CHECKED BY: S. INGERSOLL DRAWN BY: J. EIFFLER
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

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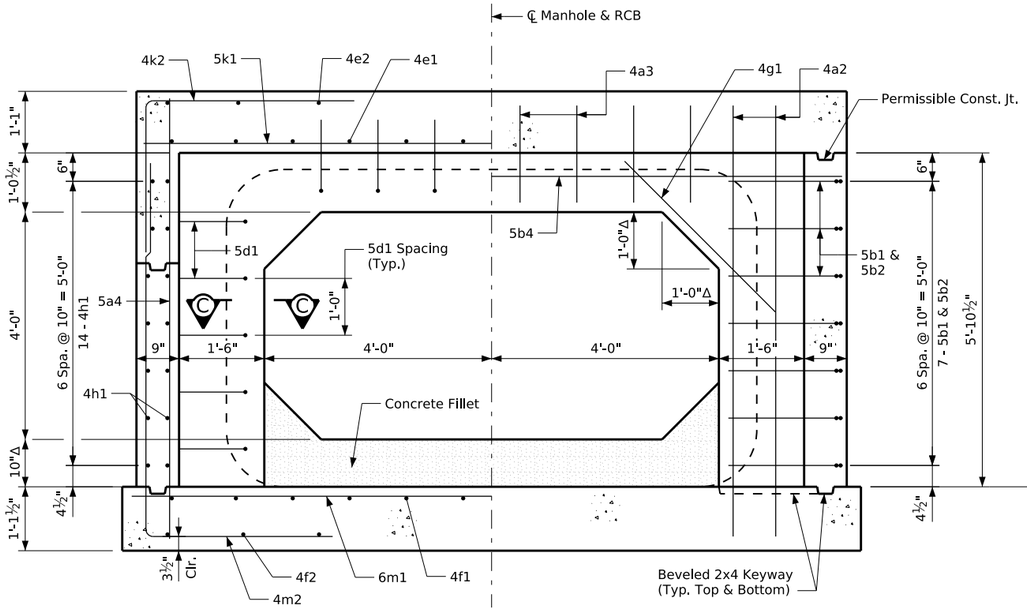
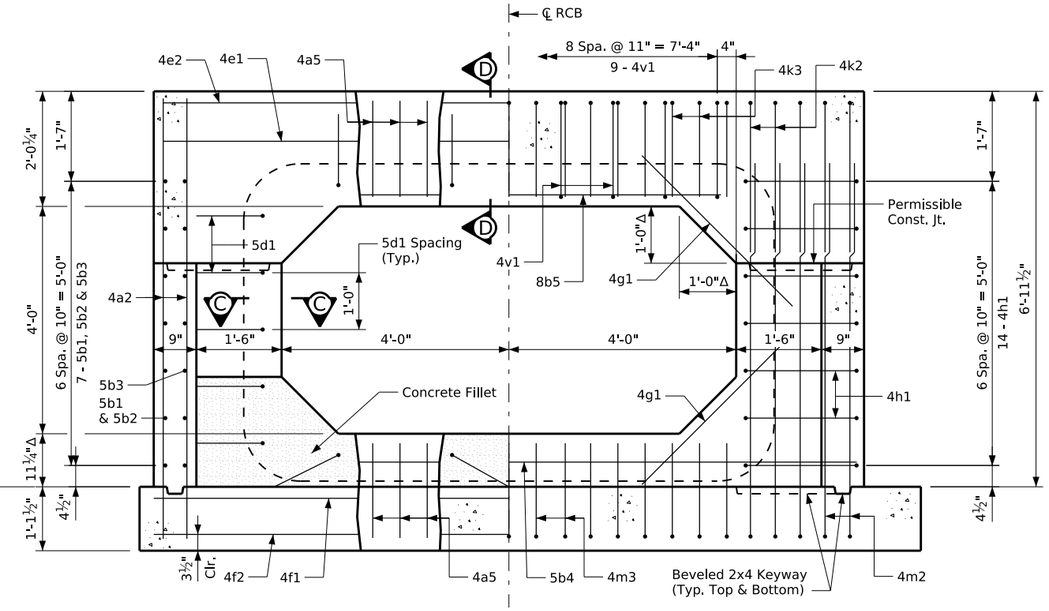
Bench Mark No. 1 - Cut 'X' in hydrant bolt at SW quadrant of Main St. & 12th St., Elev



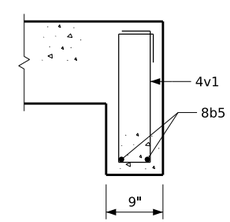
Section A-A



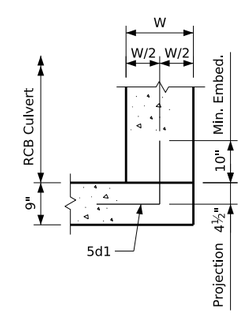
Section B-B

Δ Dimension to match RCB culvert geometry.

✱ Lower bottom of well elevation if 8' x 4' Precast RCB floor thickness is greater than 10".



Section D-D



Section C-C

Note:
See Sheet V.39 for location of Sections A-A & B-B.

8'-0" X 4'-0" PRECAST REINFORCED CONCRETE BOX CULVERT

MANHOLE S-97 DETAILS

11/15/2022

SHEET NO. **V.40**

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: T. CIHA	CHECKED BY: S. INGERSOLL	DRAWN BY: J. EIFFLER	
LETTING DATE: 11/15/2022	CAD DATE: 8/30/2022	2:17:36 PM	
CAD FILE: c:\pw_workdir\pw_ie\jae\d0518380\0021C017.02_BRG.dgn			

NO	DATE	BY	REVISION DESCRIPTION

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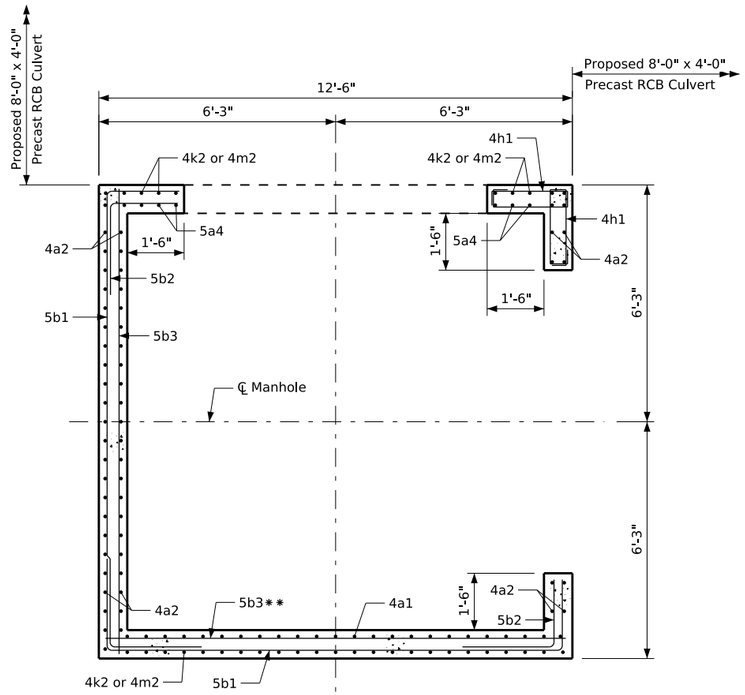
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

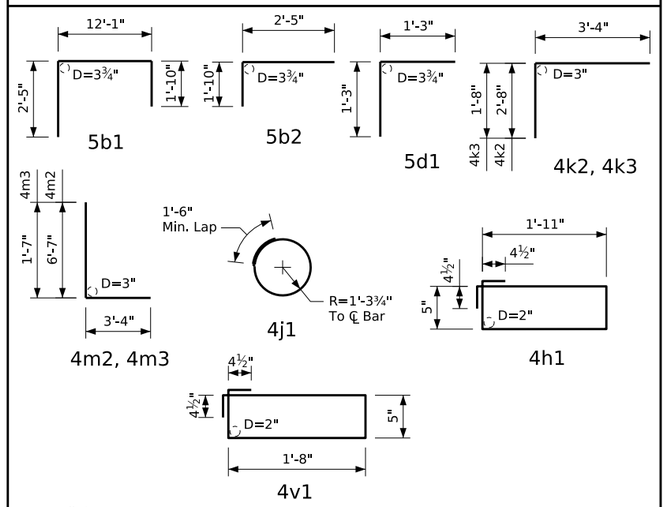
pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Falls IA C/Main Street Reconstruction/CAD/References/Structures/0021C017.02_BRG



**Match 5b3 spacing shown on Section B-B.

Section Thru Wall

Bent Bar Details



Note: All dimensions are out to out. D = Pin Diameter.

Concrete Placement Quantities - One Manhole

Location	Quantity
Floor	7.5
Walls	5.3
Slab	6.6
Total (CY)	19.4

Note:
Concrete fillet is not included in the concrete placement quantities shown above. Concrete (including fillet) and reinforcing steel are considered incidental to the "Manhole S-97" bid item.

Reinforcing Bar List - One Manhole

	Bar	Location	Shape	No.	Length	Weight
	4a1	Walls, Vert., Inside Face	—	25	7'-7"	127
	4a2	Wall, Vert., Both Faces	—	30	7'-7"	152
	4a3	Wall, Vert., Above Opening, Both Faces	—	16	1'-9"	19
	5a4	Wall, Vert., Inside Face	—	10	7'-7"	79
	4a5	Wall, Vert., Above & Below Opening, Inside Face	—	34	1'-8"	38
	5b1	Walls, Horiz., Outside Face	⌐	14	16'-4"	238
	5b2	Walls, Horiz., Inside Face	⌐	14	4'-3"	62
	5b3	Walls, Horiz., Inside Face	—	14	12'-2"	178
	5b4	Walls, Horiz., Both Faces	—	4	12'-2"	51
	8b5	Walls, Horiz. Above Opening, Both Faces	—	2	7'-8"	41
	5d1	Culvert Dowels	⌐	48	2'-6"	125
*	4e1	Slab, Longit., Bottom	—	12	12'-2"	98
	4e2	Slab, Longit., Top	—	6	12'-2"	49
	4f1	Floor, Longit., Top	—	12	13'-5"	108
	4f2	Floor, Longit., Bottom	—	6	13'-5"	54
	4g1	Wall, Diagonal, At Corners, Both Faces	—	12	3'-5"	27
	4h1	Wall, Ties	▭	14	5'-5"	51
	4j1	Slab, Hoop At Opening, Both Faces	○	2	9'-9"	13
*	5k1	Slab, Transv., Bottom	—	25	12'-2"	317
	4k2	Walls, Vert., Outside Face	⌐	35	6'-0"	140
	4k3	Walls, Vert, Above Opening, Outside Face	⌐	17	5'-0"	57
	7k4	Slab, Reinf. At Opening, Bottom	—	2	6'-1"	25
	6m1	Floor, Transv., Top	—	22	12'-8"	419
	4m2	Walls, Vert., Outside Face	L	35	9'-11"	232
	4m3	Walls, Vert, Below Opening, Outside Face	L	17	4'-11"	56
	4v1	Wall, Stirrups	▭	9	4'-11"	30
		Reinforcing Steel - Total (LB)				2786

*Note:
Field trim bars as required to provide 2" clearance to slab openings.

8'-0" X 4'-0" PRECAST REINFORCED CONCRETE BOX CULVERT

MANHOLE S-97 DETAILS

11/15/2022

SHEET NO. **V.41**

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: T. CIHA CHECKED BY: S. INGERSOLL DRAWN BY: J. EIFFLER
LETTING DATE: 11/15/2022 CAD DATE: 8/30/2022 2:17:36 PM
CAD FILE: c:\pw_workdir\pw_ie\jae\d0518380\0021C017.02_BRG.dgn

NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

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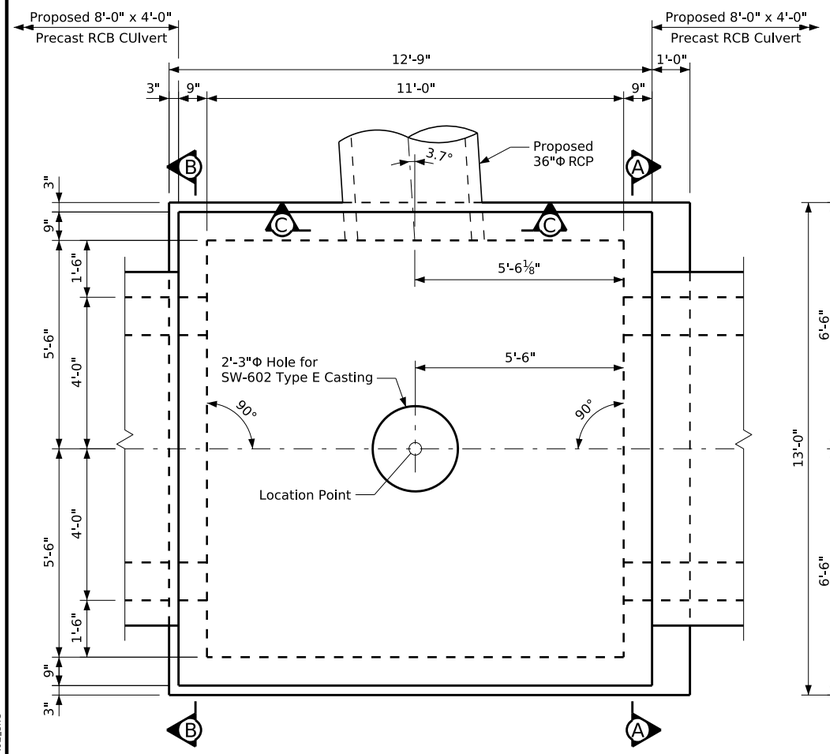
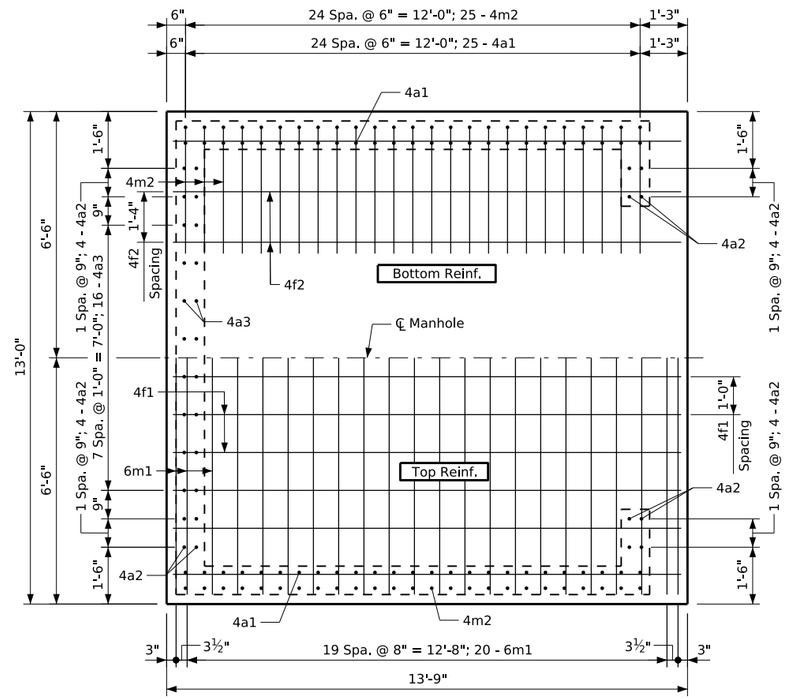
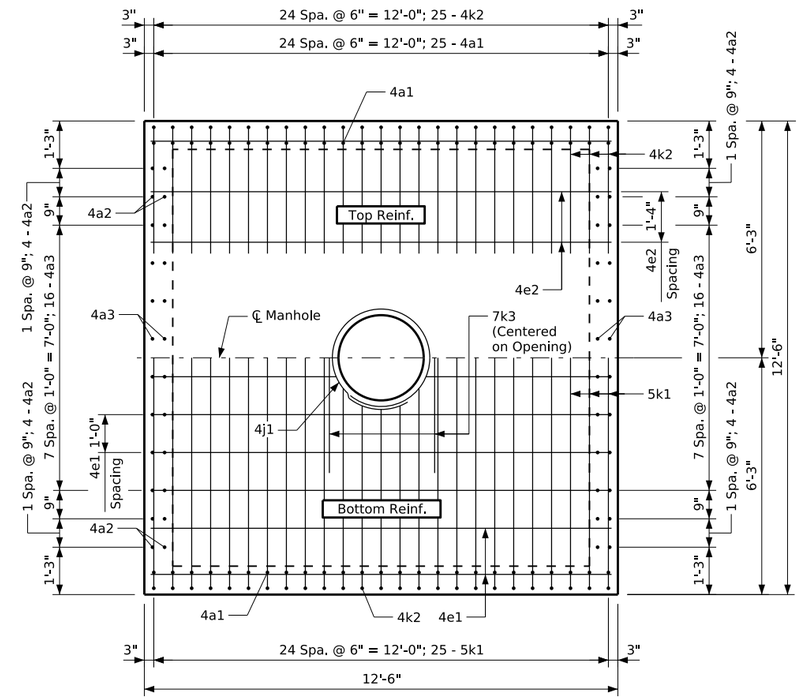


Plan



Floor Plan



Slab Plan

Note:
See Sheet V.43 for Sections A-A, B-B & C-C.

8'-0" X 4'-0" PRECAST
REINFORCED CONCRETE BOX CULVERT

MANHOLE S-98 DETAILS

11/15/2022

SHEET NO.
V.42

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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LETTING DATE: 11/15/2022	CAD DATE: 8/30/2022	2:17:37 PM	
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NO	DATE	BY	REVISION DESCRIPTION

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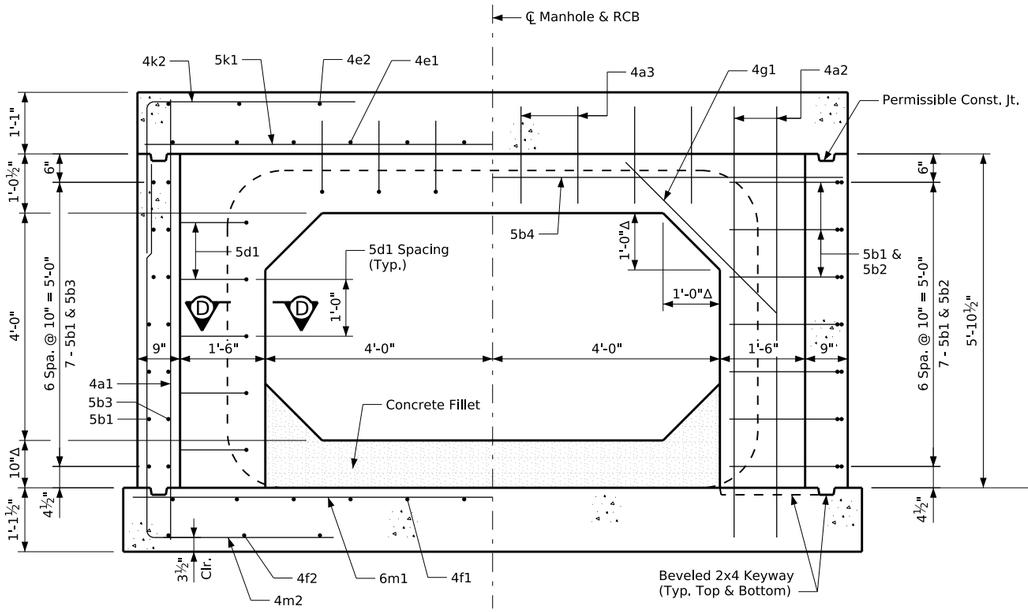
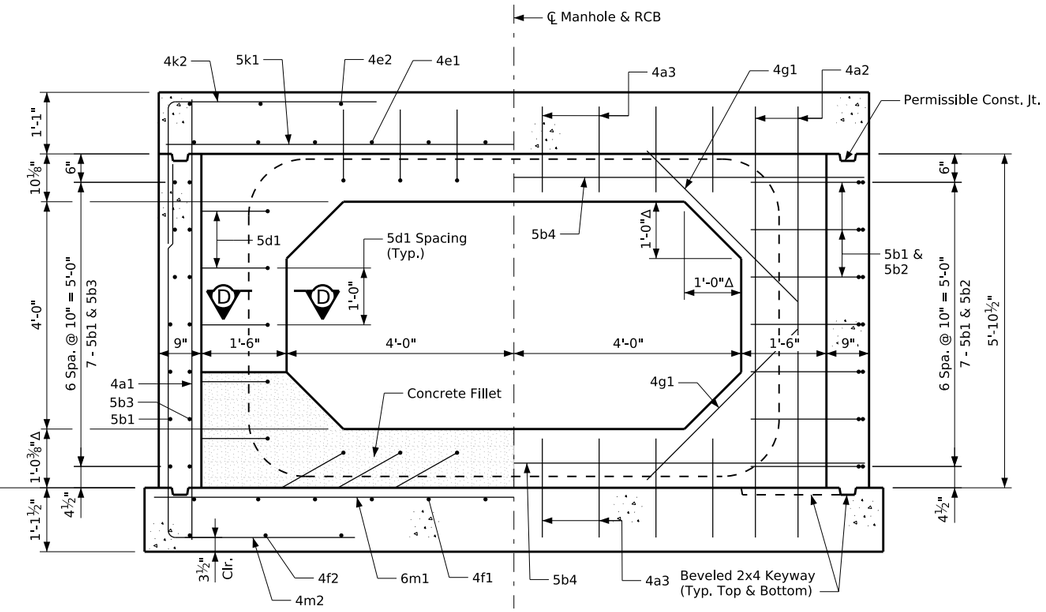
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

pw://foth-pw.bentley.com:foth-pw-01\Documents/Clients/Cedar Falls IA C/Main Street Reconstruction/CAD/References/Structures/0021C017.02_BRG

Bench Mark No. 1 - Cut 'X' in hydrant bolt at SW quadrant of Main St. & 12th St., Elev



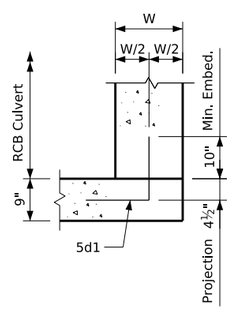
Section A-A



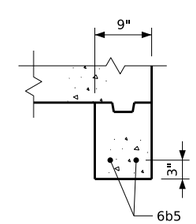
Section B-B

Δ Dimension to match RCB culvert geometry.

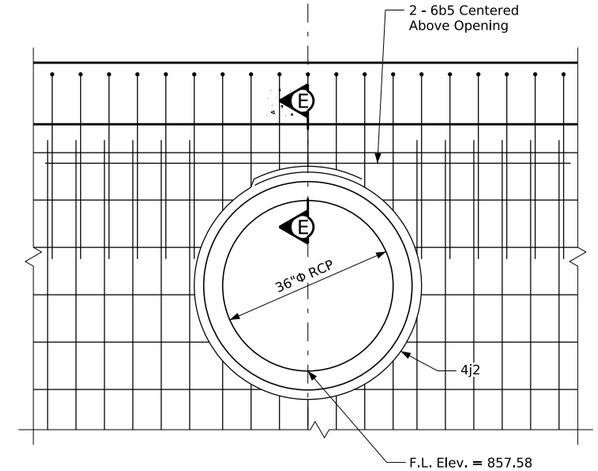
✱ Lower bottom of well elevation if 8' x 4' Precast RCB floor thickness is greater than 10".



Section D-D



Section E-E



Part Section C-C

Note:
See Sheet V.42 for location of Sections A-A, B-B & C-C.

8'-0" X 4'-0" PRECAST REINFORCED CONCRETE BOX CULVERT

MANHOLE S-98 DETAILS

11/15/2022

SHEET NO. **V.43**

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: T. CIHA CHECKED BY: S. INGERSOLL DRAWN BY: J. EIFFLER
LETTING DATE: 11/15/2022 CAD DATE: 8/30/2022 2:17:38 PM
CAD FILE: c:\pw_workdir\pw_ie\jqe\d0518380\0021C017.02_BRG.dgn

NO	DATE	BY	REVISION DESCRIPTION

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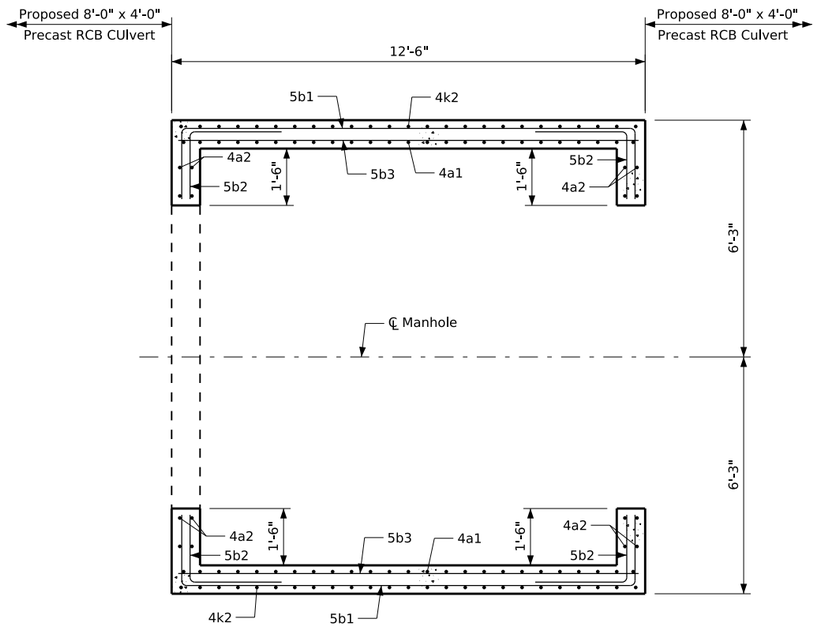
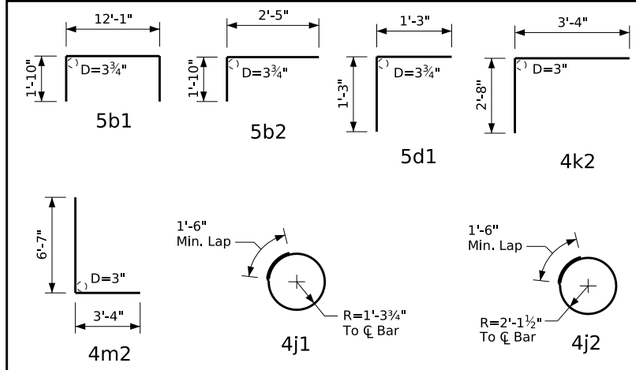
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

pw://foth-pw.bentley.com:foth-pw-01\Documents/Clients/Cedar Falls IA C/Main Street Reconstruction/CAD/References/Structures/0021C017.02_BRG



Section Thru Wall

Bent Bar Details



Note: All dimensions are out to out. D = Pin Diameter.

Concrete Placement Quantities - One Manhole

Location	Quantity
Floor	7.5
Walls	5.5
Slab	6.1
Total (CY)	19.1

Note:
Concrete fillet is not included in the concrete placement quantities shown above. Concrete (including fillet) and reinforcing steel are considered incidental to the "Manhole S-98" bid item.

Reinforcing Bar List - One Manhole

	Bar	Location	Shape	No.	Length	Weight
*	4a1	Walls, Vert., Inside Face	—	50	7'-7"	253
	4a2	Wall, Vert., Both Faces	—	16	7'-7"	81
*	4a3	Wall, Vert., Above & Below Opening, Both Faces	—	48	1'-9"	56
*	5b1	Walls, Horiz., Outside Face	⊓	14	15'-9"	230
	5b2	Walls, Horiz., Inside Face	⊓	28	4'-3"	124
*	5b3	Walls, Horiz., Inside Face	—	14	12'-2"	178
	5b4	Walls, Horiz., Both Faces	—	6	12'-2"	76
	6b5	Walls, Horiz. Above Opening, Both Faces	—	2	9'-3"	28
	5d1	Culvert Dowels	⊓	41	2'-6"	107
*	4e1	Slab, Longit., Bottom	—	12	12'-2"	98
	4e2	Slab, Longit., Top	—	6	12'-2"	49
	4f1	Floor, Longit., Top	—	12	13'-5"	108
	4f2	Floor, Longit., Bottom	—	6	13'-5"	54
	4g1	Wall, Diagonal, At Corners, Both Faces	—	12	3'-5"	27
	4j1	Slab, Hoop At Opening, Both Faces	○	2	9'-9"	13
	4j2	Slab, Hoop At Opening, Both Faces	○	2	14'-10"	20
*	5k1	Slab, Transv., Bottom	—	25	12'-2"	317
*	4k2	Walls, Vert., Outside Face	⊓	50	6'-0"	200
	7k3	Slab, Reinf. At Opening, Bottom	—	2	6'-1"	25
	6m1	Floor, Transv., Top	—	22	12'-8"	419
*	4m2	Walls, Vert., Outside Face	⊔	50	9'-11"	331
		Reinforcing Steel - Total (LB)				2794

*Note:
Field trim bars as required to provide 2" clearance to wall/slab openings.

8'-0" X 4'-0" PRECAST REINFORCED CONCRETE BOX CULVERT

MANHOLE S-98 DETAILS

11/15/2022

SHEET NO.
V.44

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: T. CIHA CHECKED BY: S. INGERSOLL DRAWN BY: J. EIFFLER
LETTING DATE: 11/15/2022 CAD DATE: 8/30/2022 2:17:38 PM
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

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LINE STYLE LEGEND OF CROSS SECTION SHEETS (ROAD)

- Existing Ground Line
- Proposed Template
- Proposed Topsoil Placement
- Additional Topsoil Removal
- Subgrade Prep
- Granular Shoulder
- Pavement
- Existing Pipe\RCB
- Proposed Pipe\RCB
- Proposed Dike
- All Elements Associated with Proposed Entrances

LINE STYLE LEGEND OF CROSS SECTION SHEETS (SOILS)

- Topsoil (Class 10)
- Slope Dressing Only
- Class 10 Materials
- Select Loams And Clay-Loams
- Select Sand
- Unsuitable Type A Disposal
- Unsuitable Type B Disposal
- Unsuitable Type C Disposal
- Shale
- Waste
- Broken and Weathered Rock
- Solid Rock
- Boulders

Note: All layer lines and descriptions identify layers above the line.

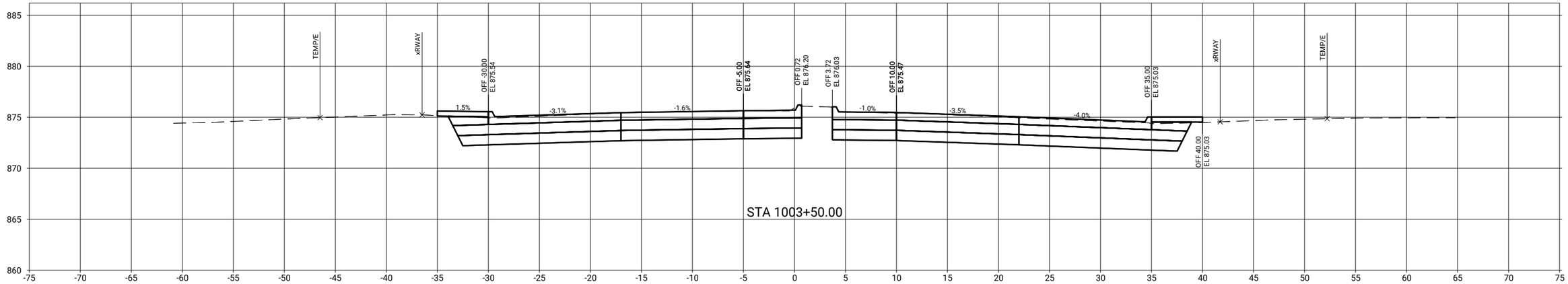
Note: Vertical or near vertical lines connecting soil layers at edges of cross sections are only for the purpose of calculating template quantities and do not depict soil stratification.

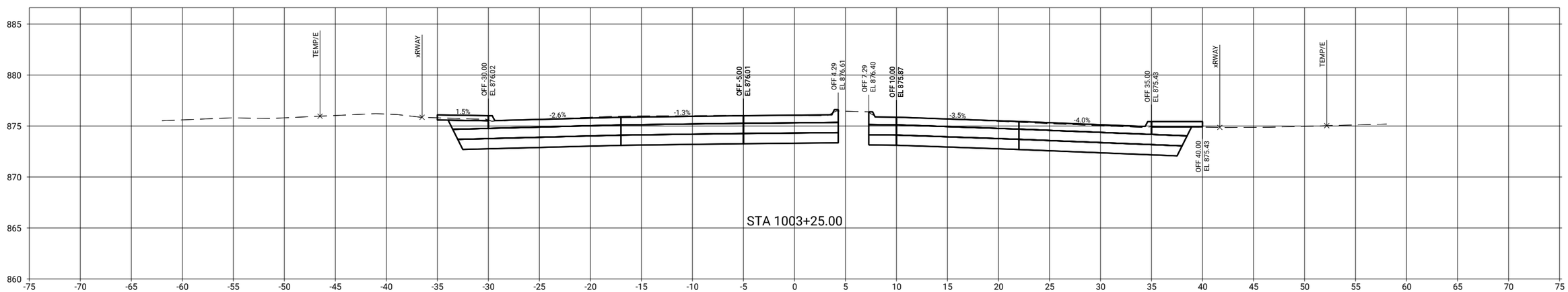
SYMBOL LEGEND OF CROSS SECTION SHEETS

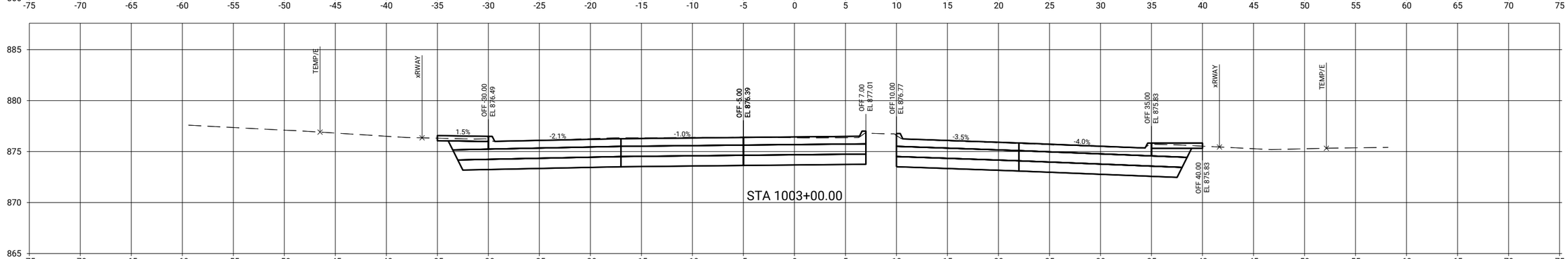
- xRWAY — Existing Right-of-Way Limit
- RWAY — Proposed Right-of-Way Limit
- PERM/E — Permenant Easement Limit
- TEMP/E — Temporary Easement Limit

CROSS SECTION

(COVERS SHEET SERIES W, X, Y, & Z)







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LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022		5:39:07 AM
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.2

STBG-SWAP-1185(657)

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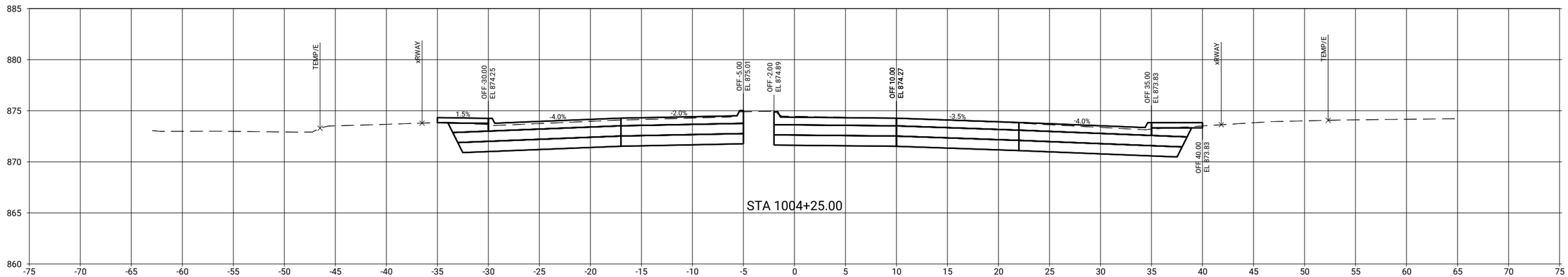

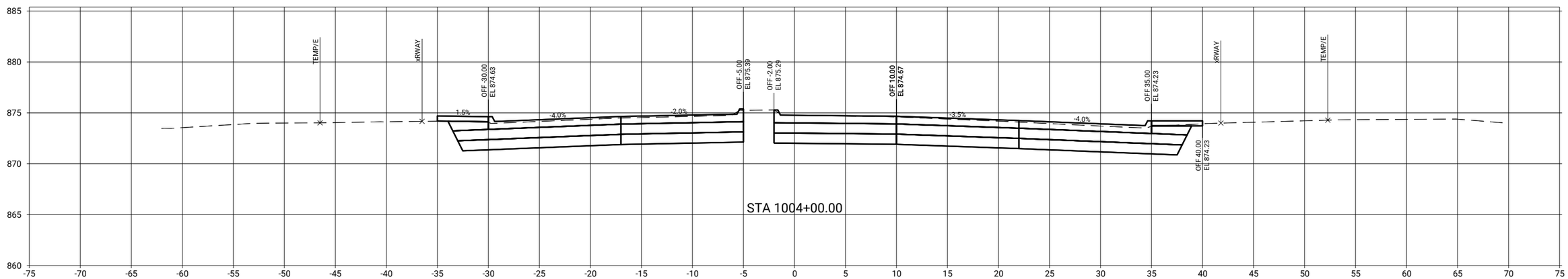

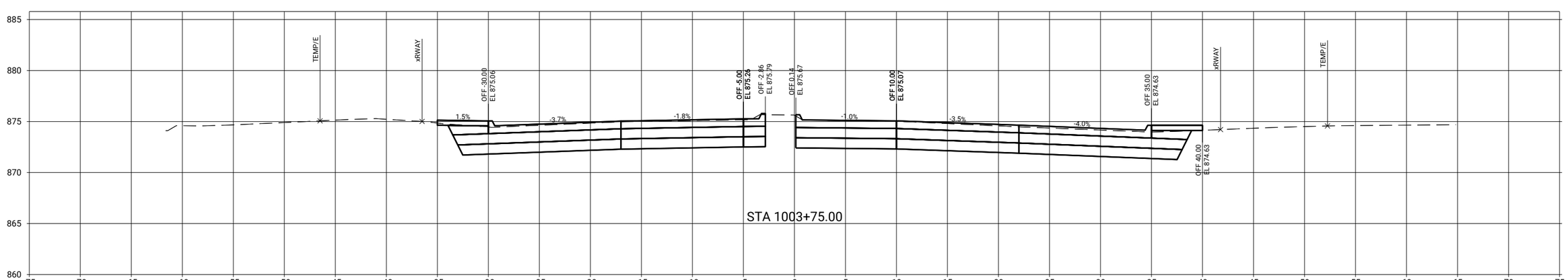

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.3
STBG-SWAP-1185(657)

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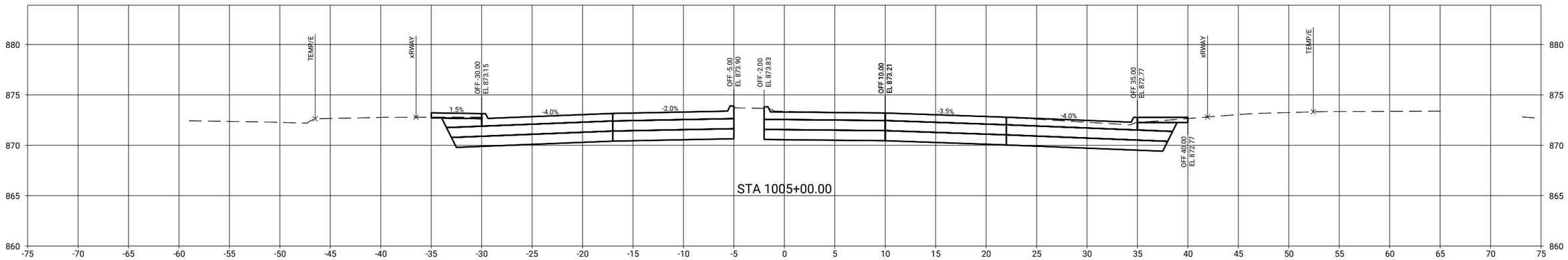

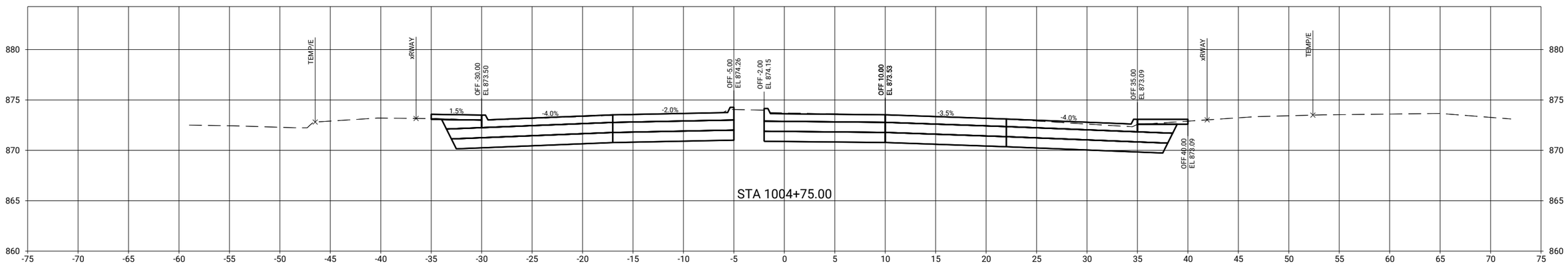

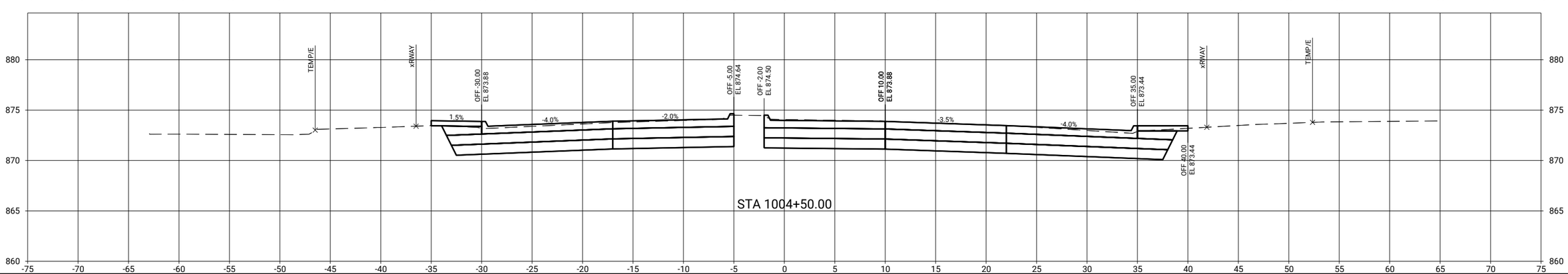

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.4

STBG-SWAP-1185(657

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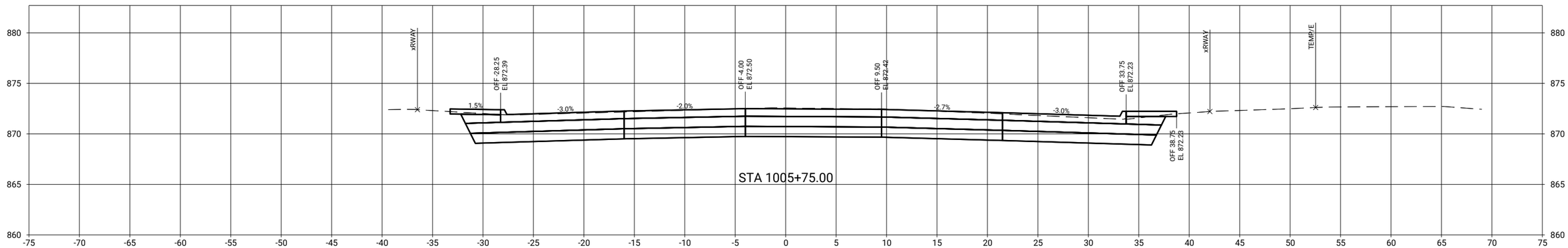

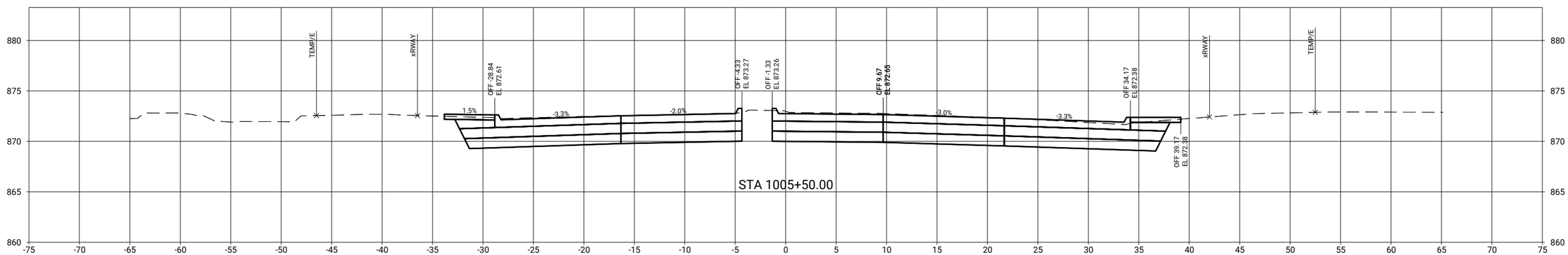

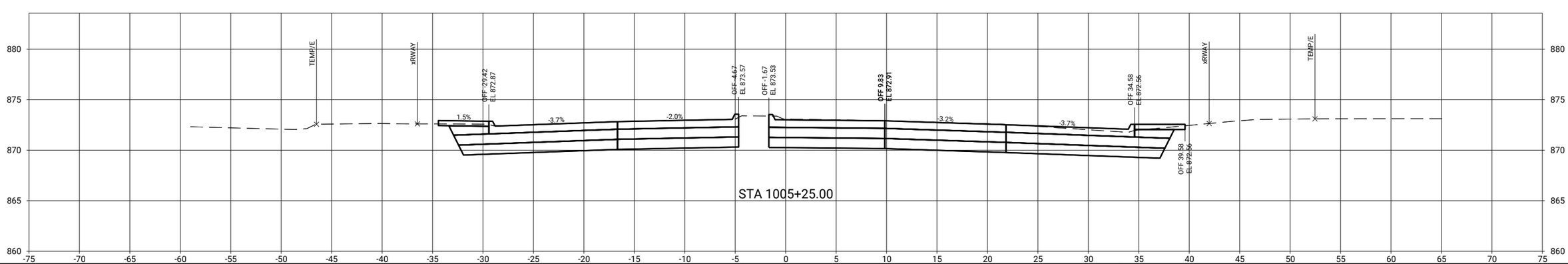

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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07	FOTH PROJECT NO: 0021C017.02		
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LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022	5:39:12 AM	
CAD FILE: c:\pw_workdir\pw_ie\ttl\d0518375\0021C017.02_W02_SHT.dgn			

NO	DATE	BY	REVISION DESCRIPTION

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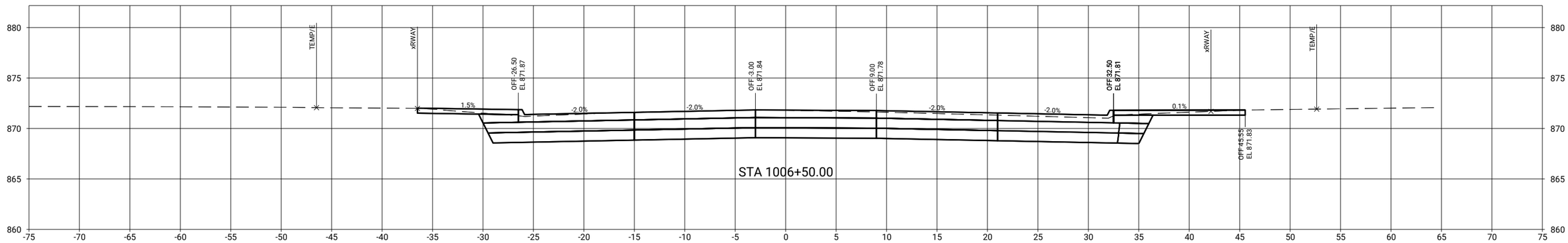
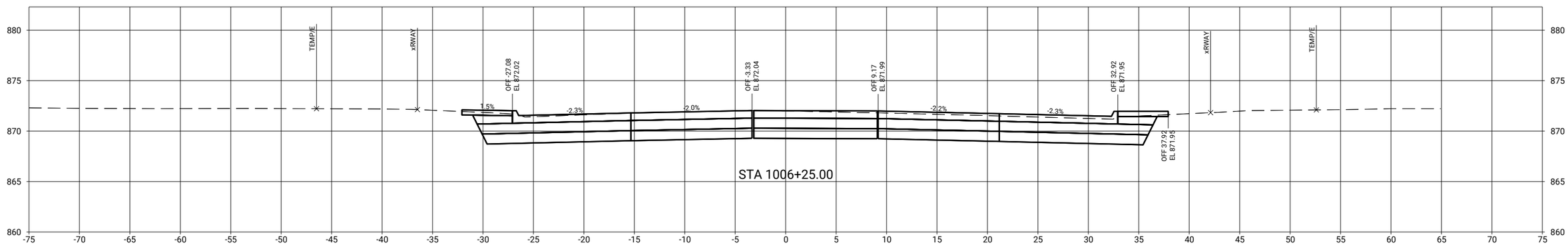
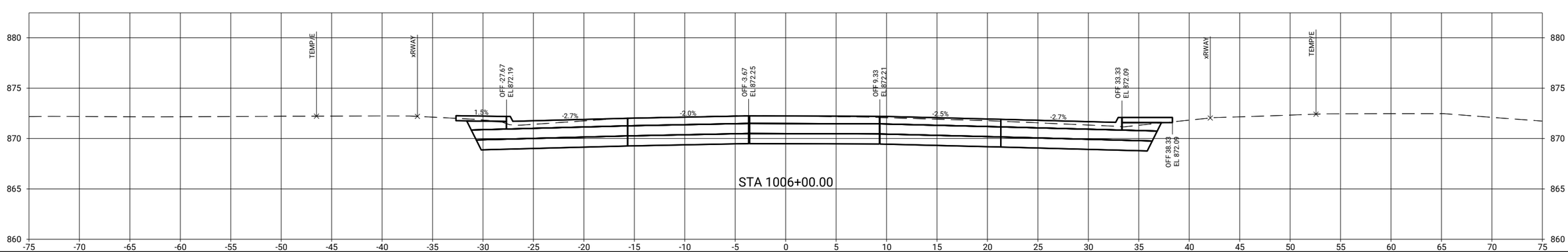
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.5







CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: T. LECLAIR	CHECKED BY: C. CARPER	DRAWN BY: T. LECLAIR	
LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022	5:39:13 AM	
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.6

STBG-SWAP-1185(657

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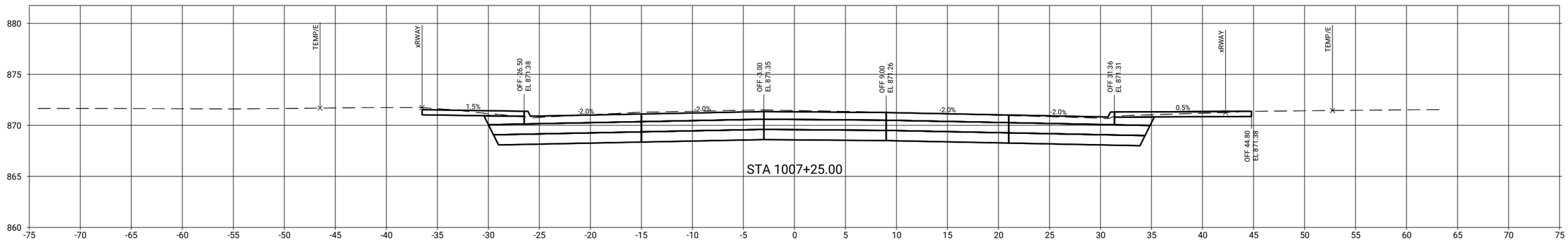

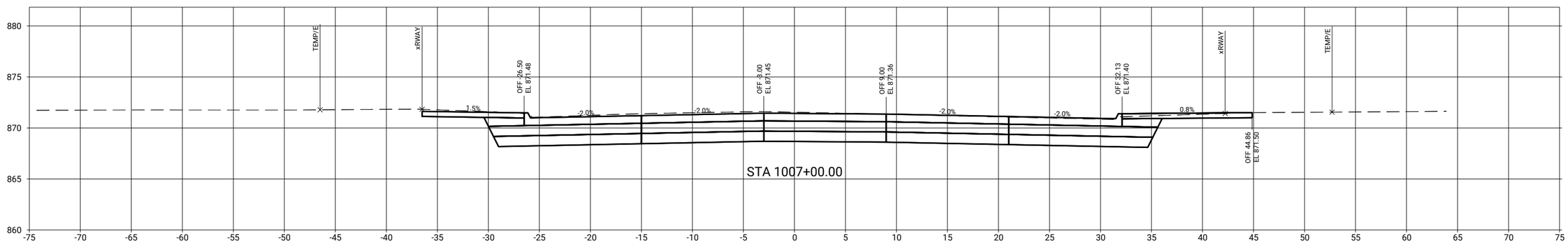

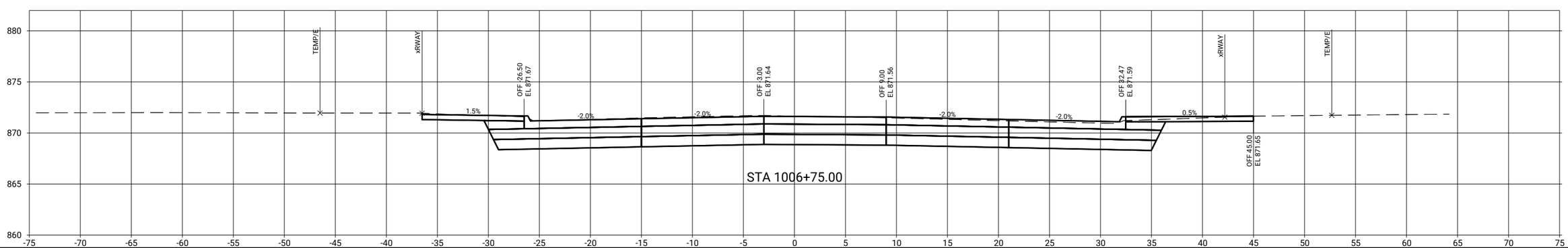

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.7

STBG-SWAP-1185(657

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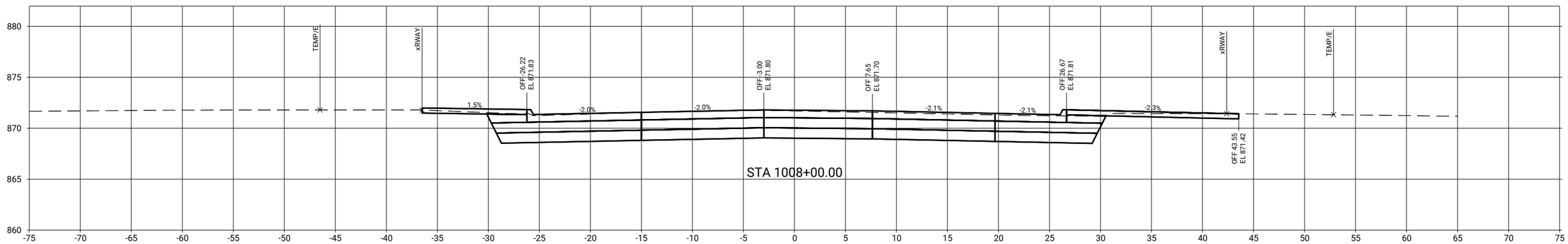

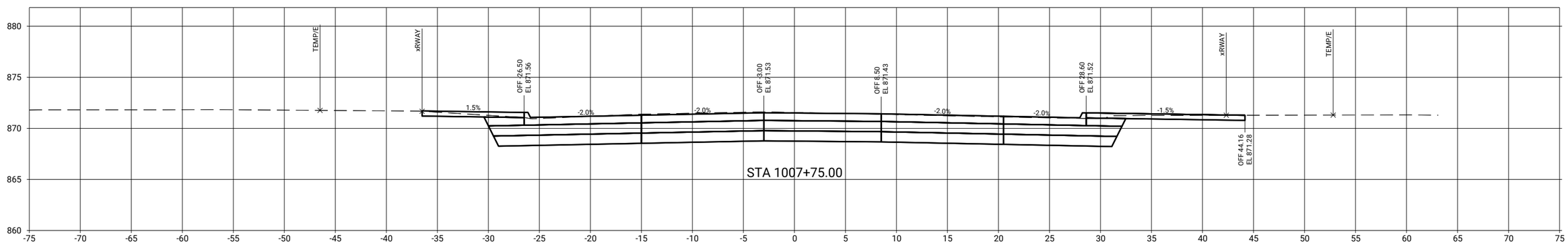

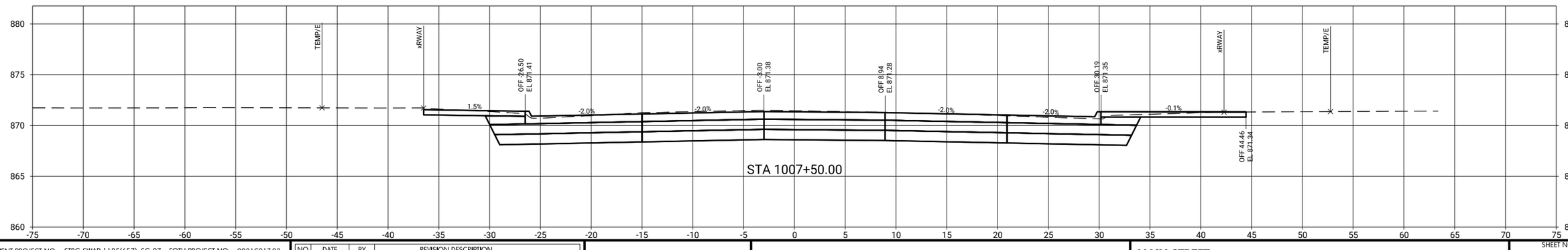

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.8
STBG-SWAP-1185(657)

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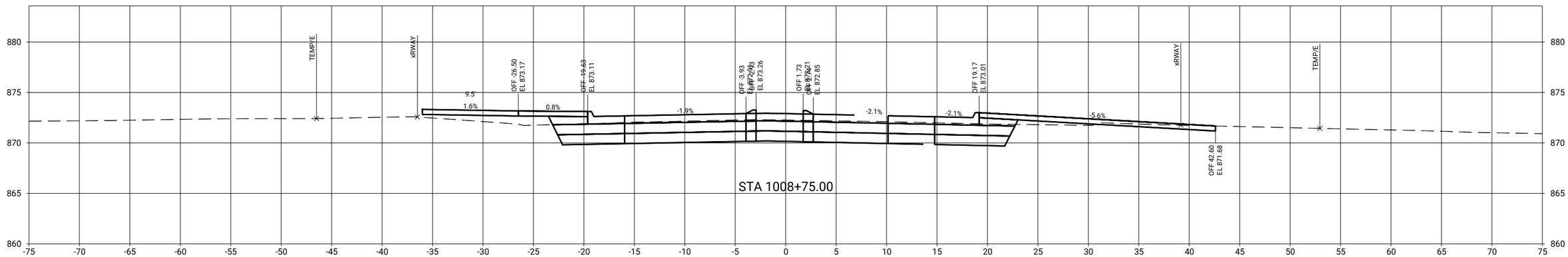

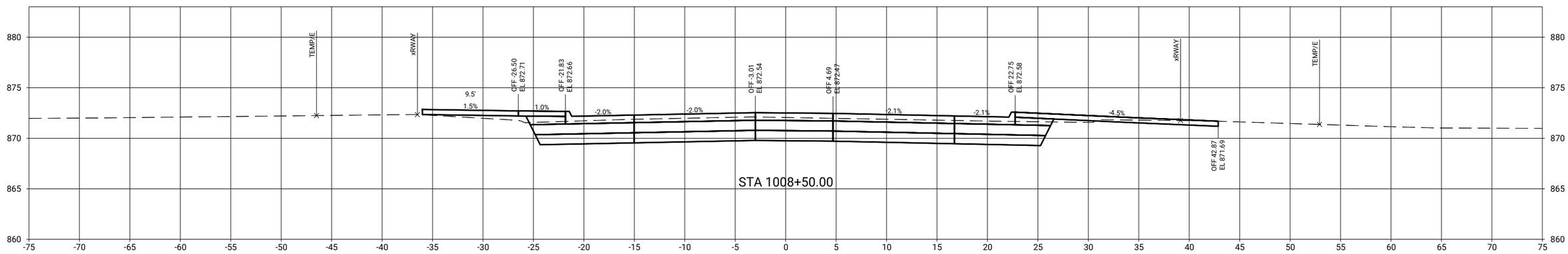

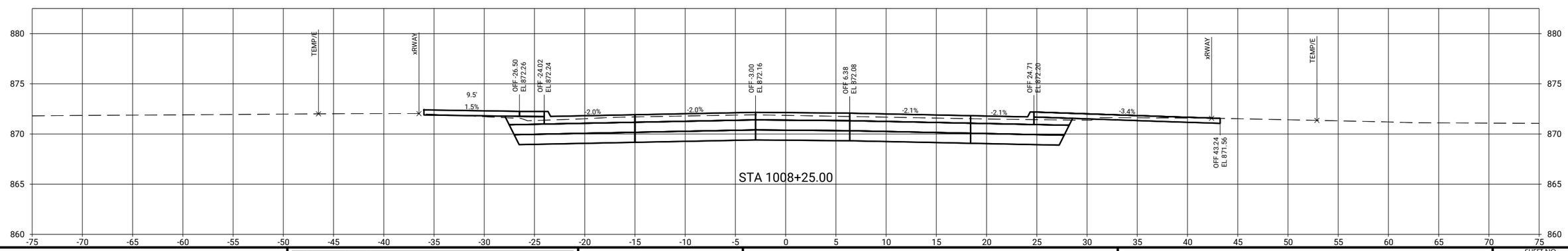

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.9

STBG-SWAP-1185(657

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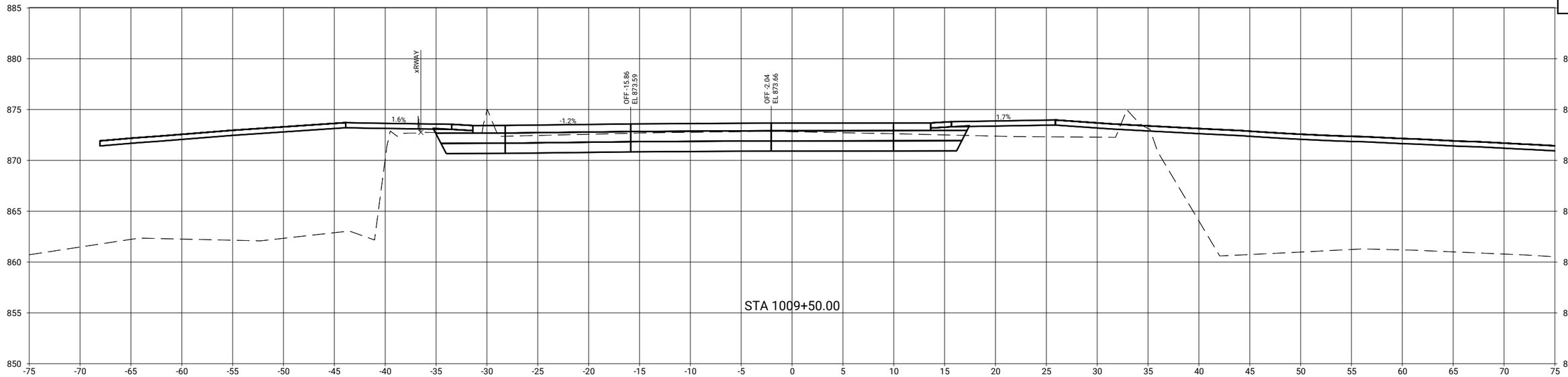

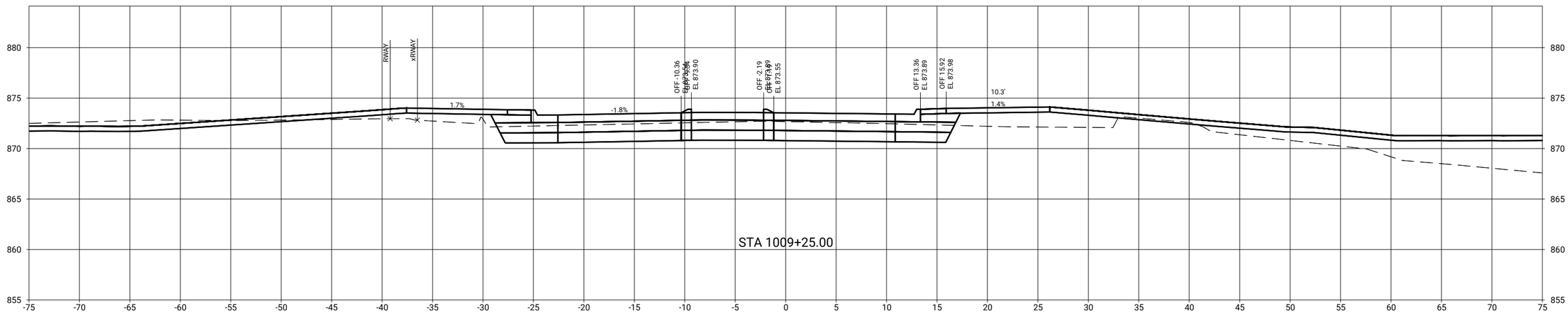

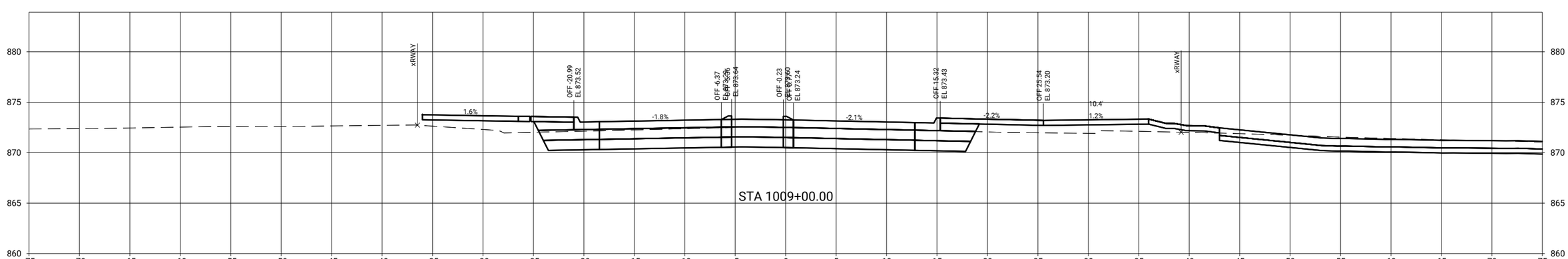

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.10
STBG-SWAP-1185(657

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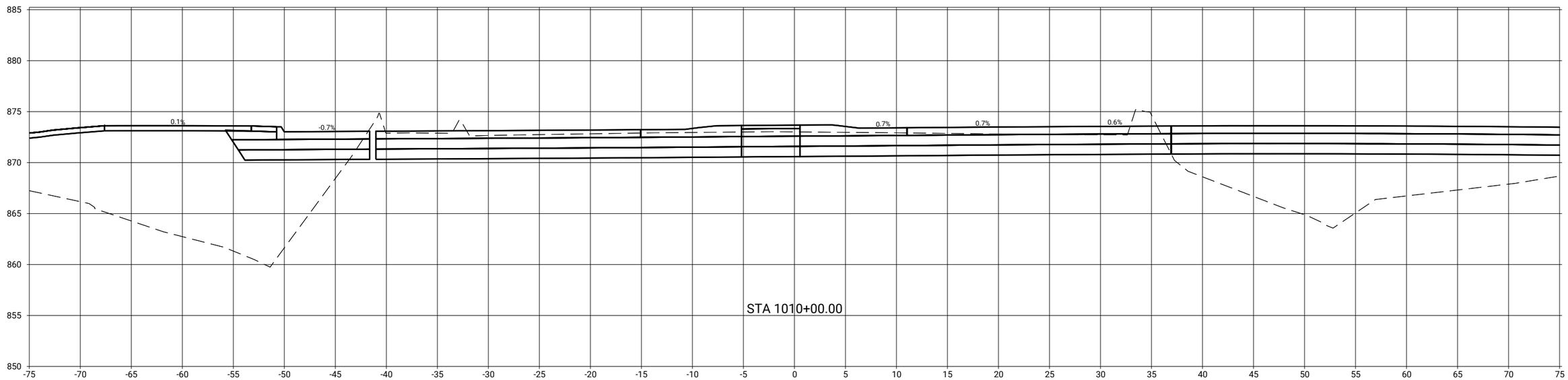

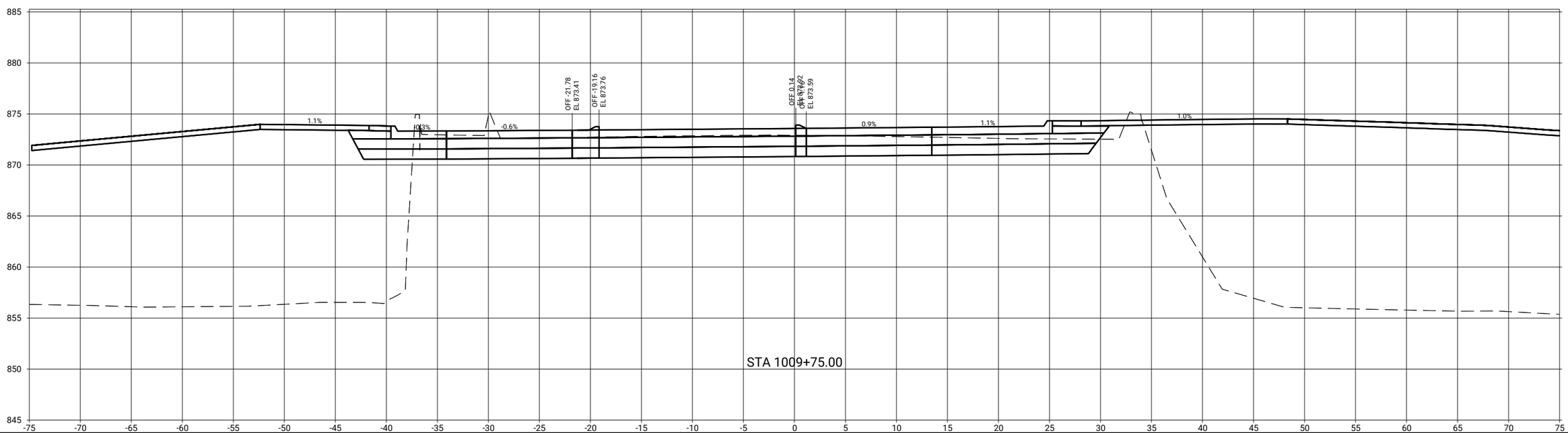

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.11
STBG-SWAP-1185(657

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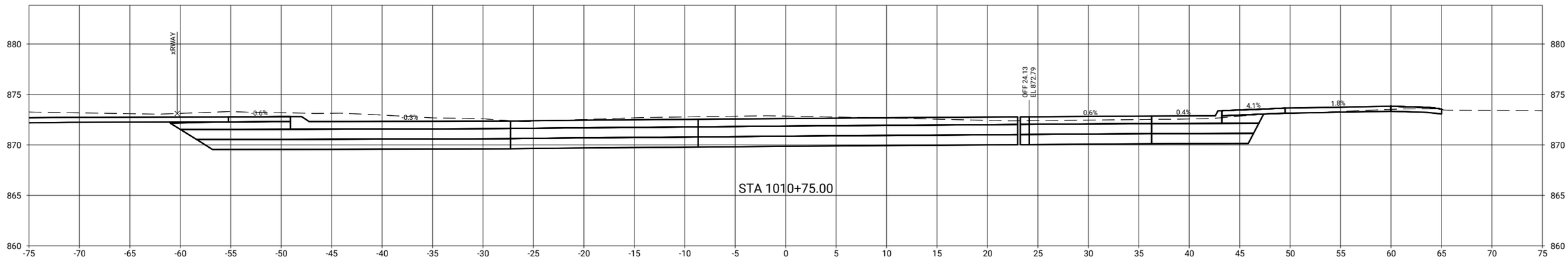

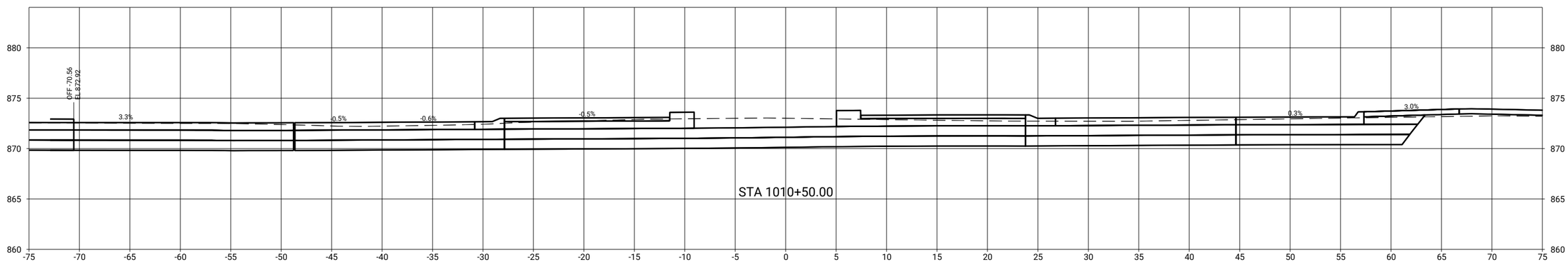

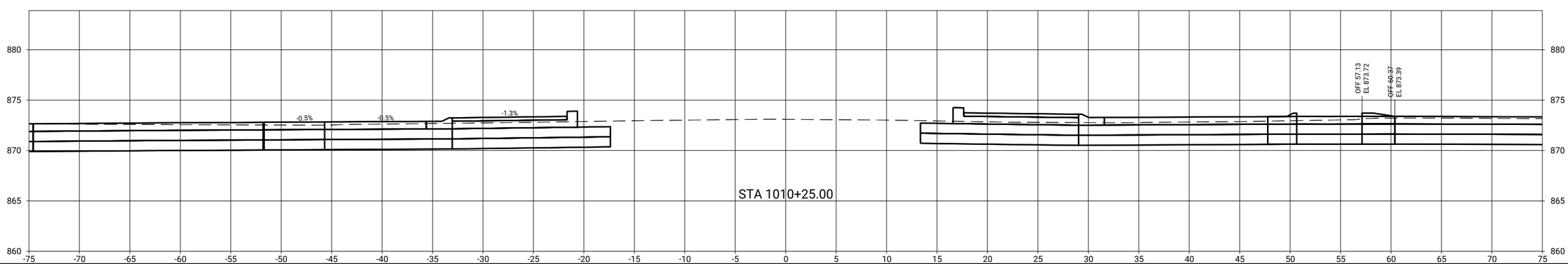

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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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NO	DATE	BY	REVISION DESCRIPTION

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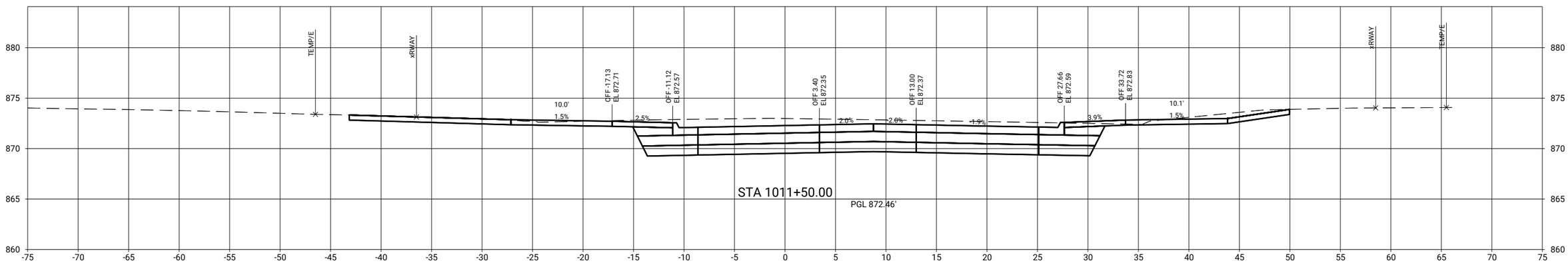
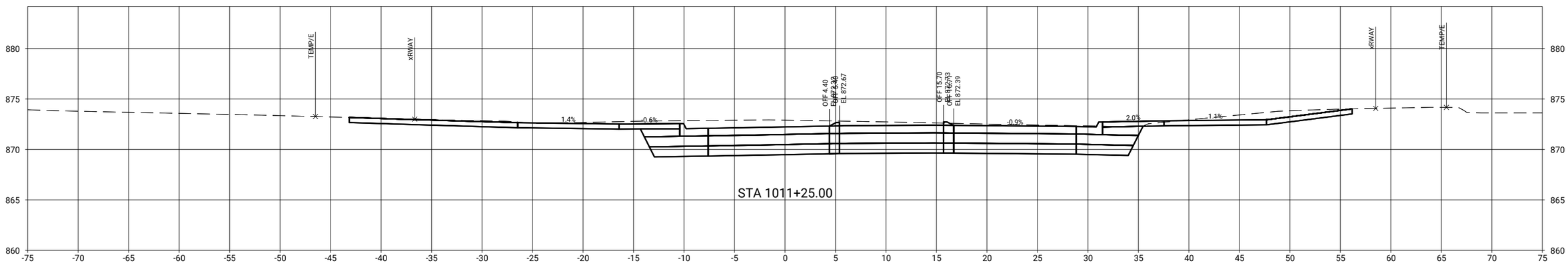
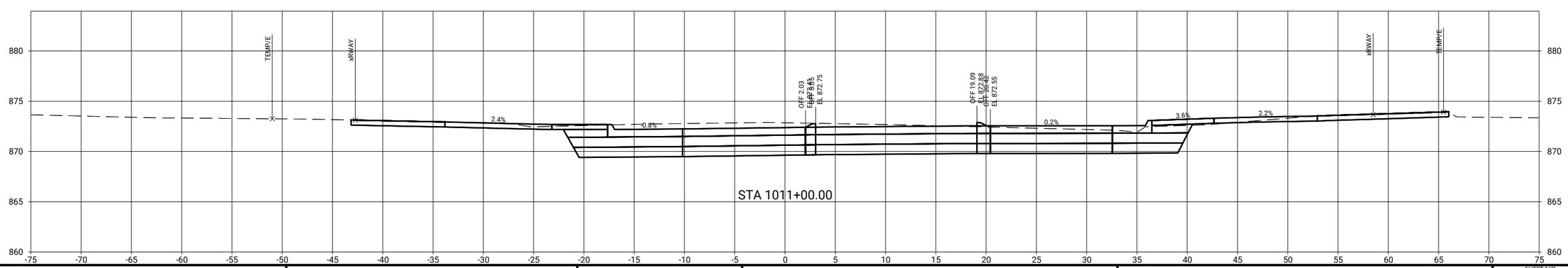
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.12







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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: T. LECLAIR CHECKED BY: C. CARPER DRAWN BY: T. LECLAIR
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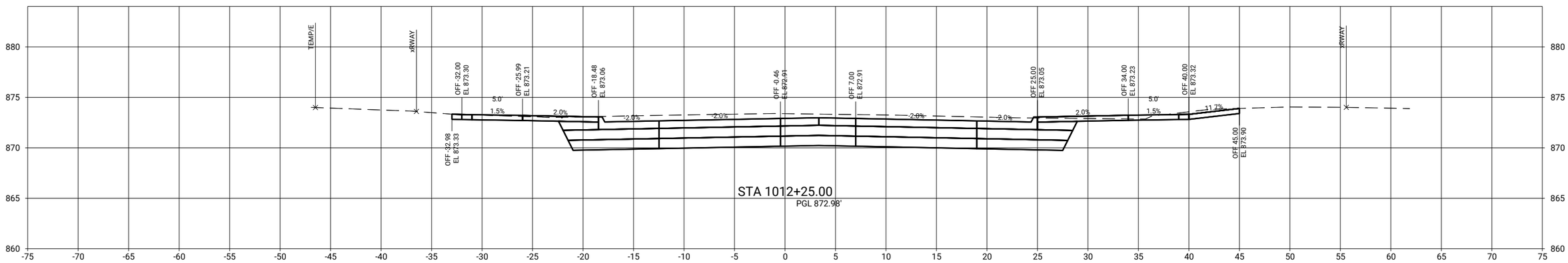
NO	DATE	BY	REVISION DESCRIPTION

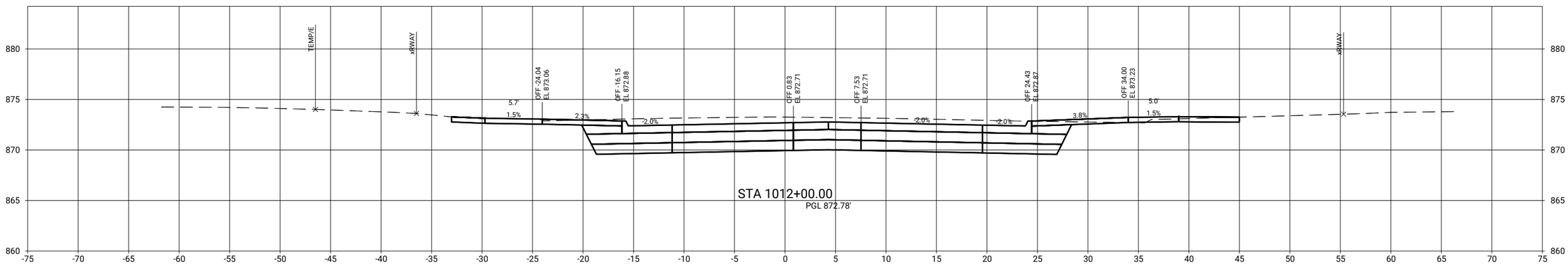
Foth

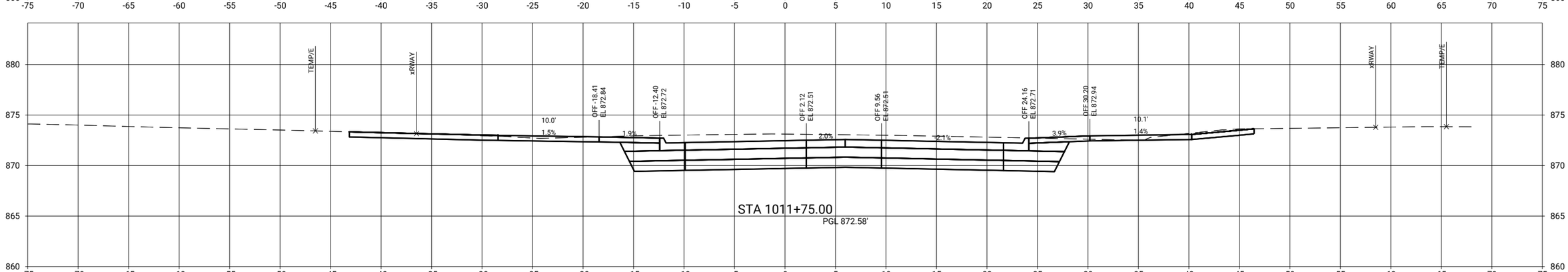
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.13
STBG-SWAP-1185(657)







CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022	5:39:23 AM	
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.14
STBG-SWAP-1185(657

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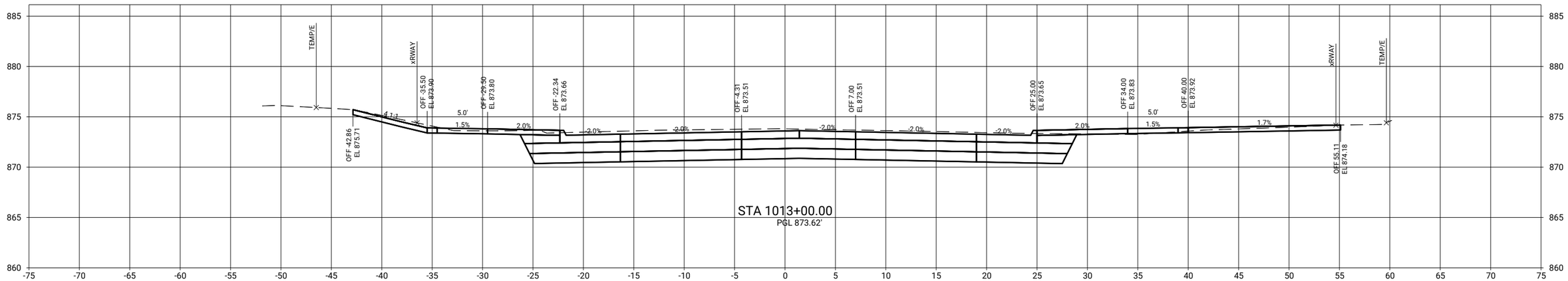

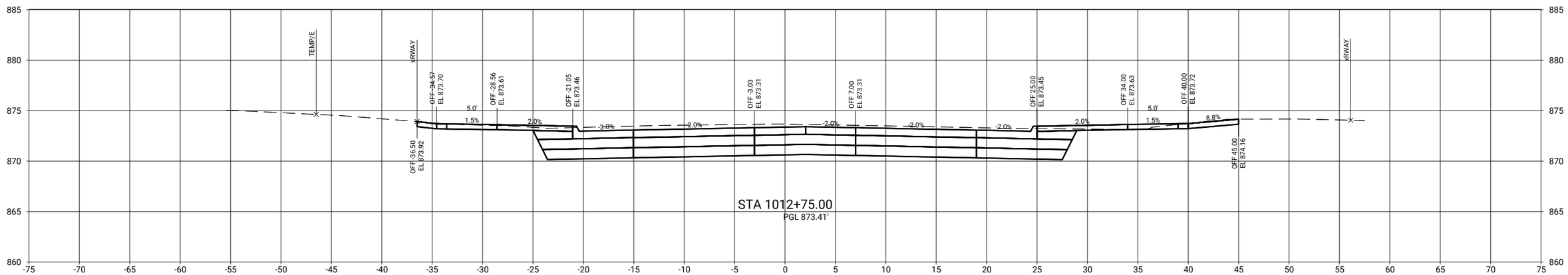

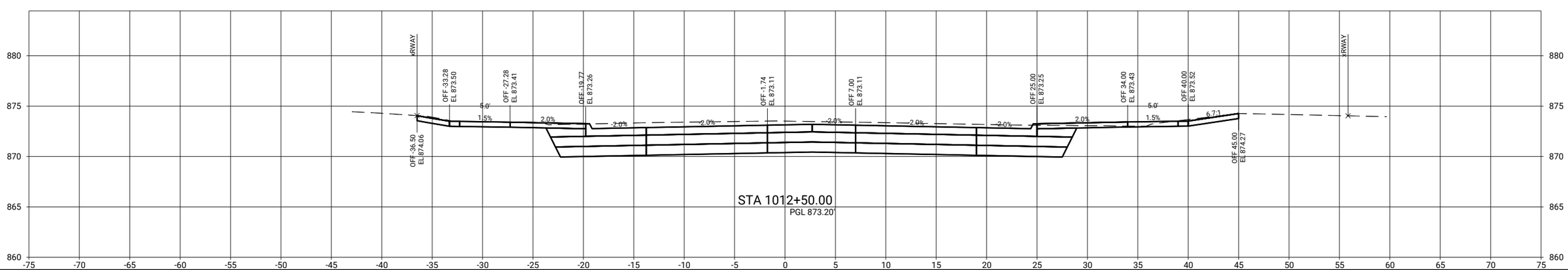

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.15
STBG-SWAP-1185(657

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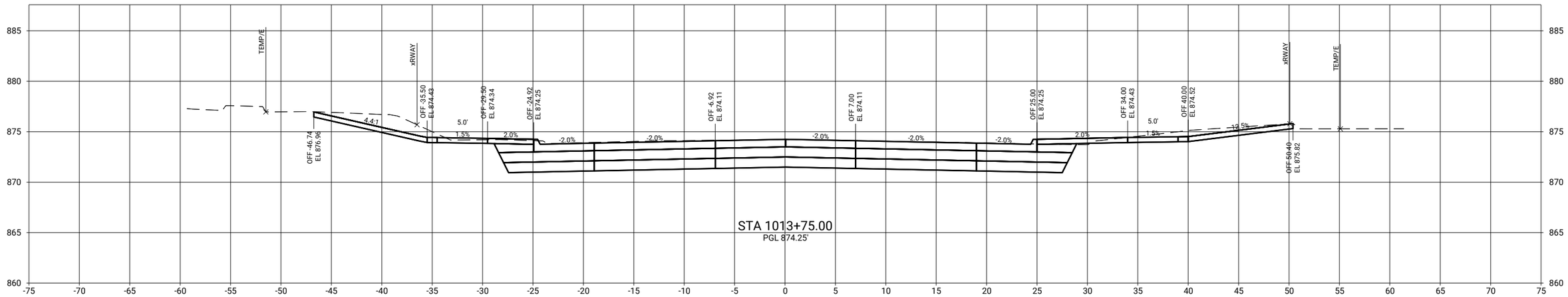

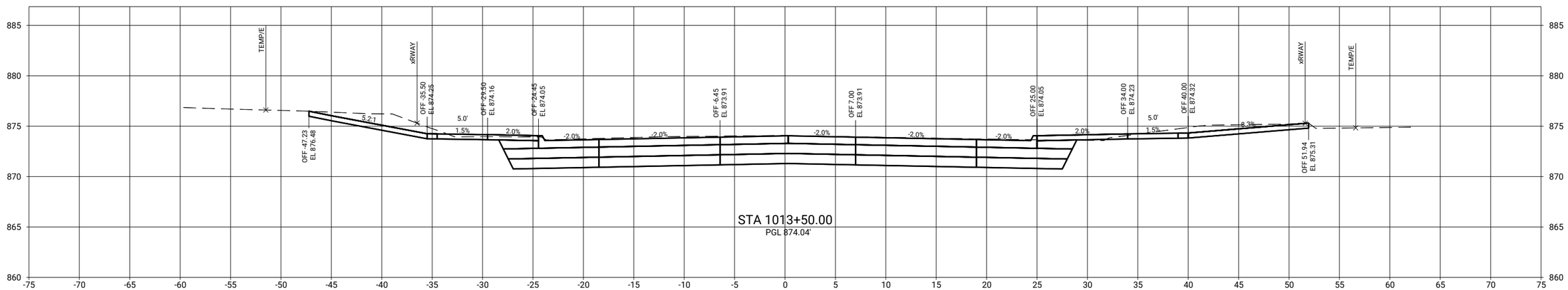

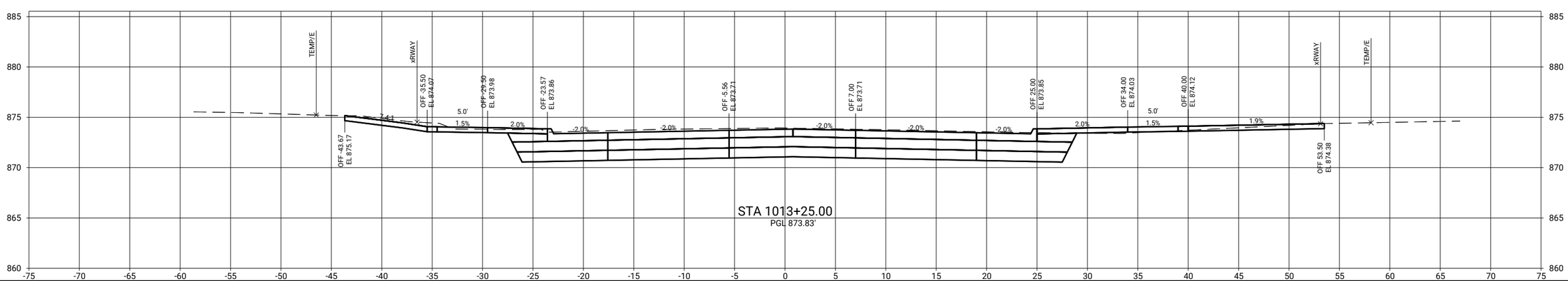

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07	FOTH PROJECT NO: 0021C017.02		
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.16
STBG-SWAP-1185(657

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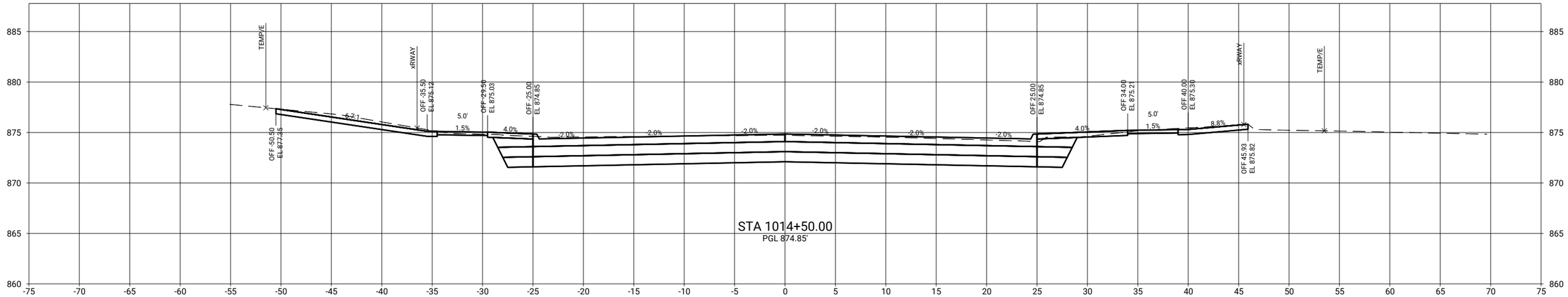

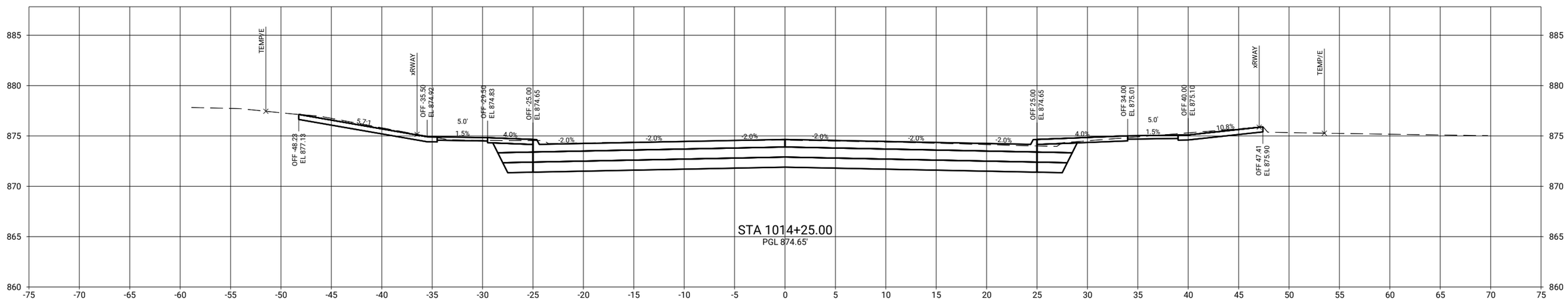

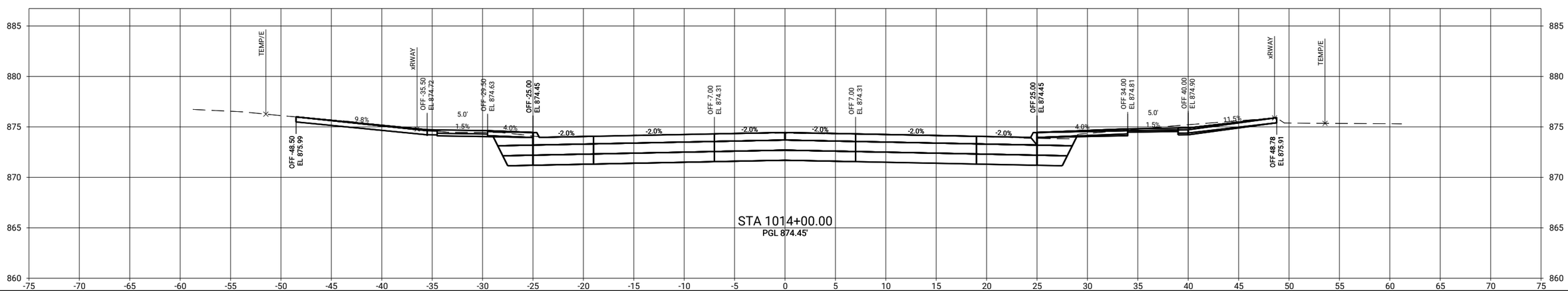

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.17
STBG-SWAP-1185(657

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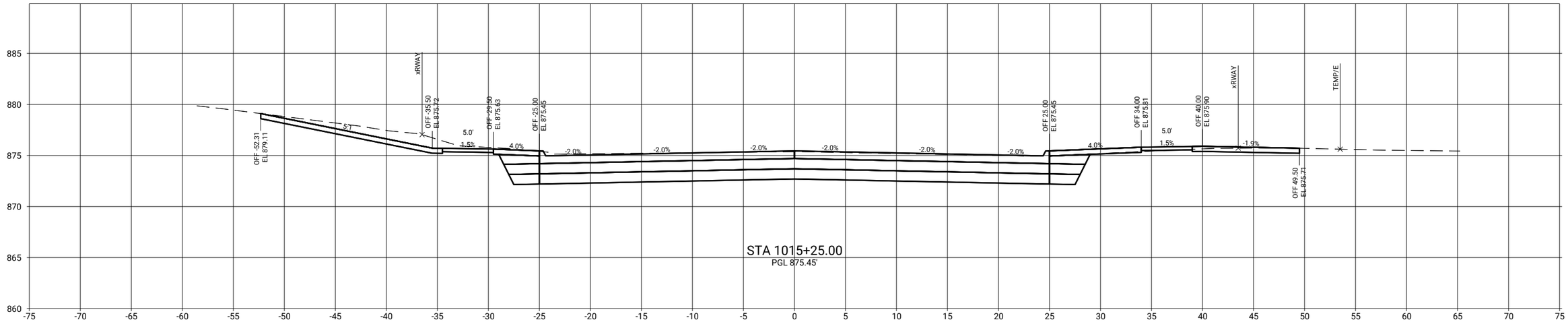

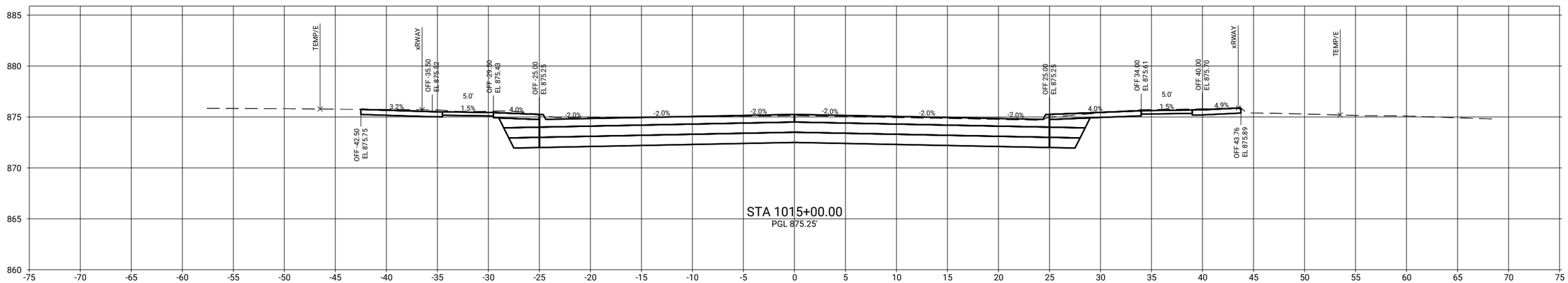

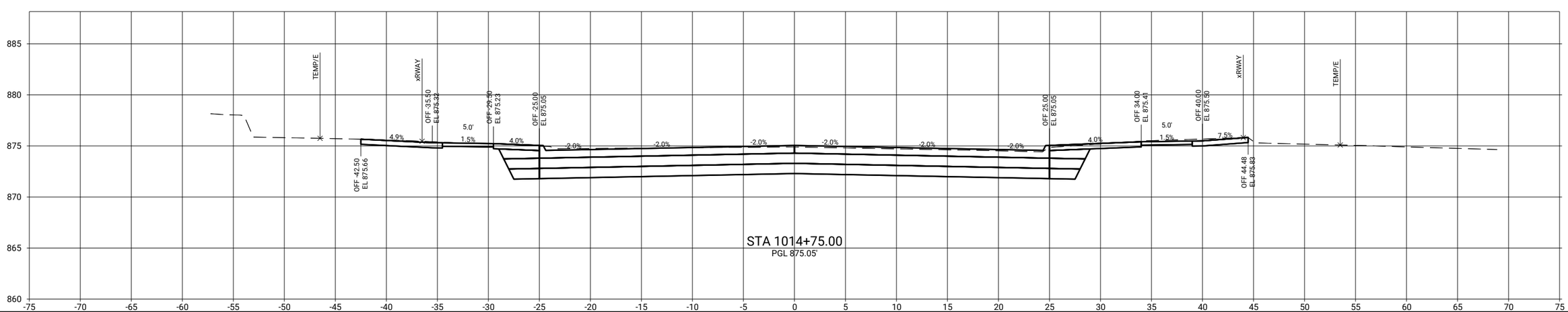

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.18
STBG-SWAP-1185(657

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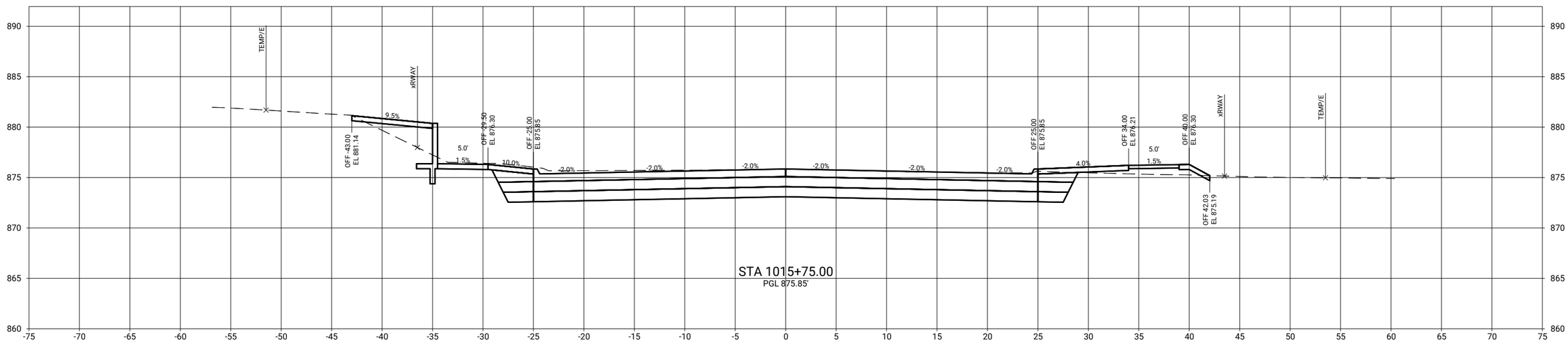

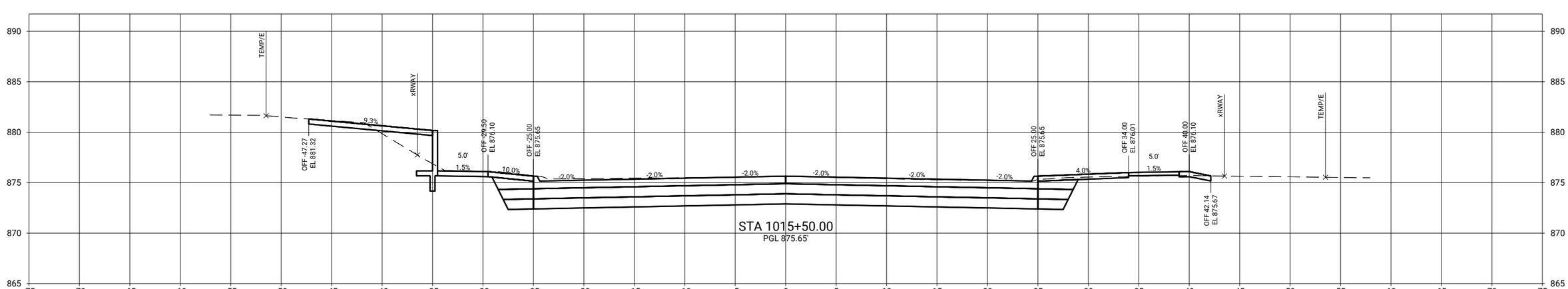

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.19
STBG-SWAP-1185(657

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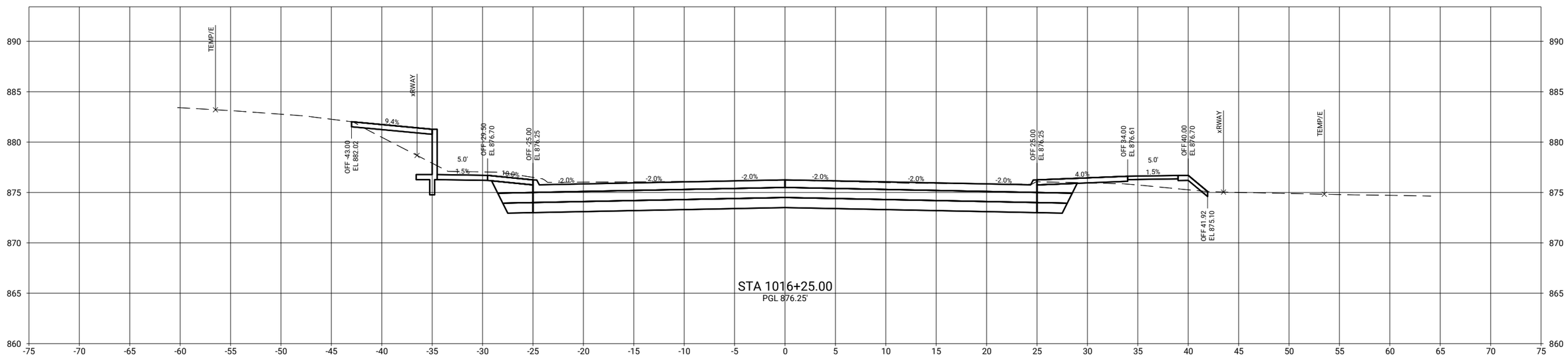

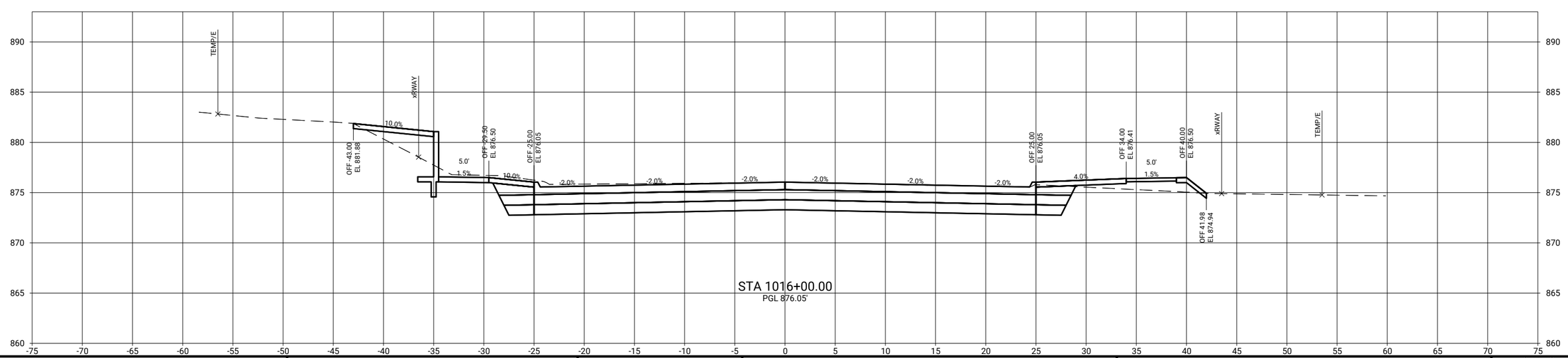

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.20

STBG-SWAP-1185(657

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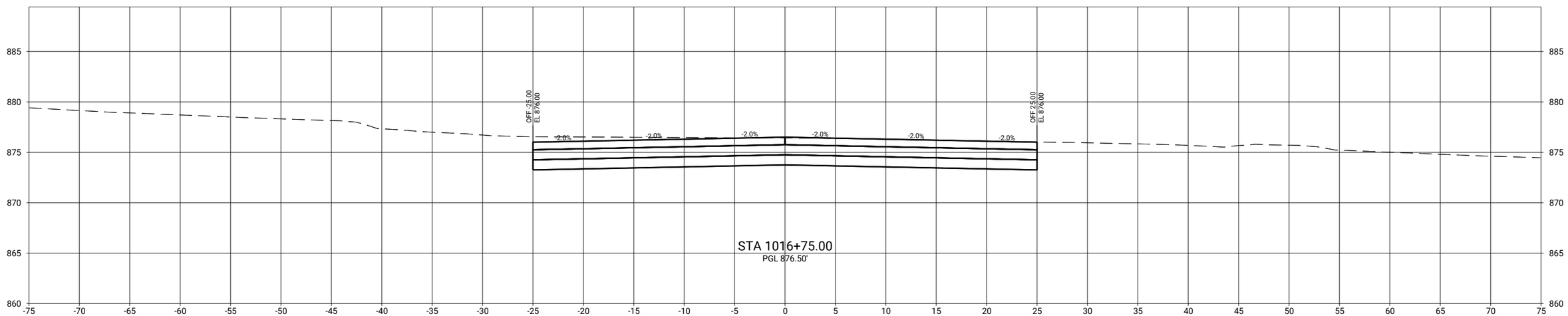

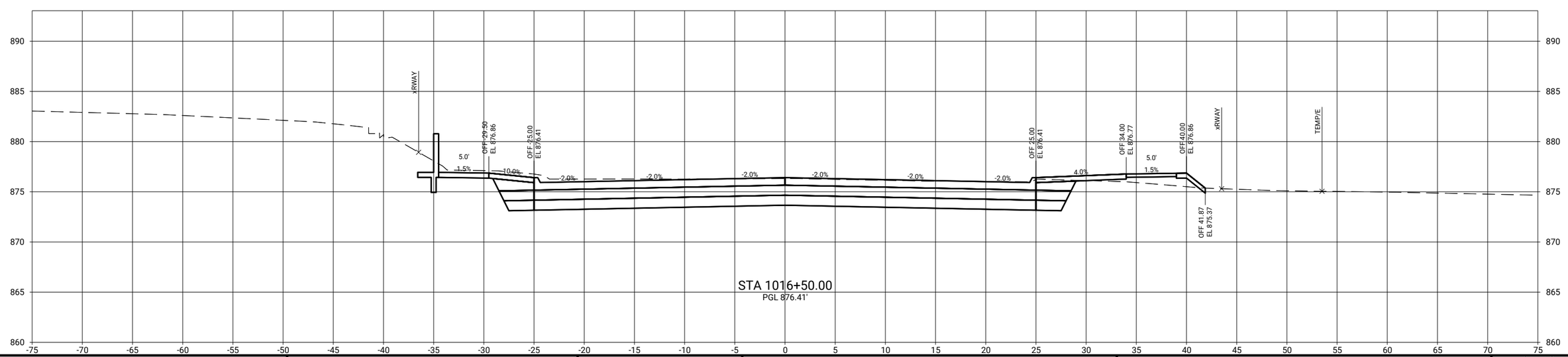

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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
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LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 6:02:46 AM
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NO	DATE	BY	REVISION DESCRIPTION

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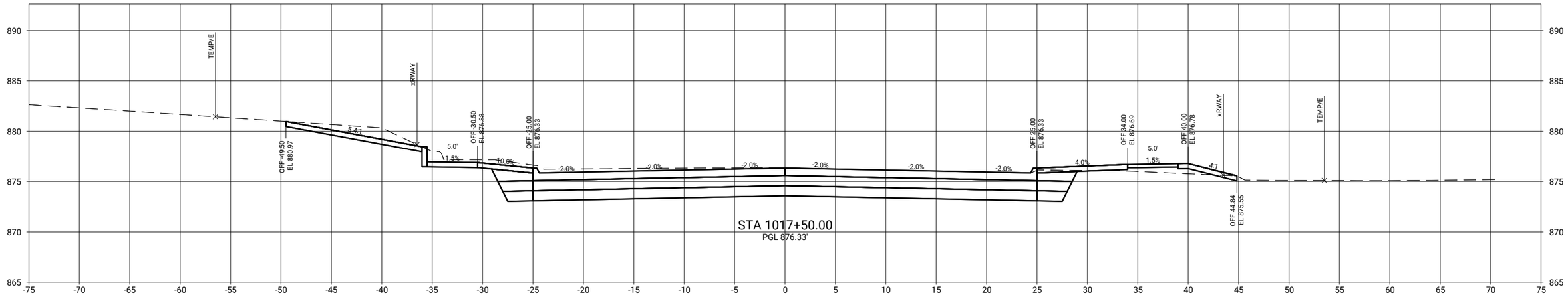
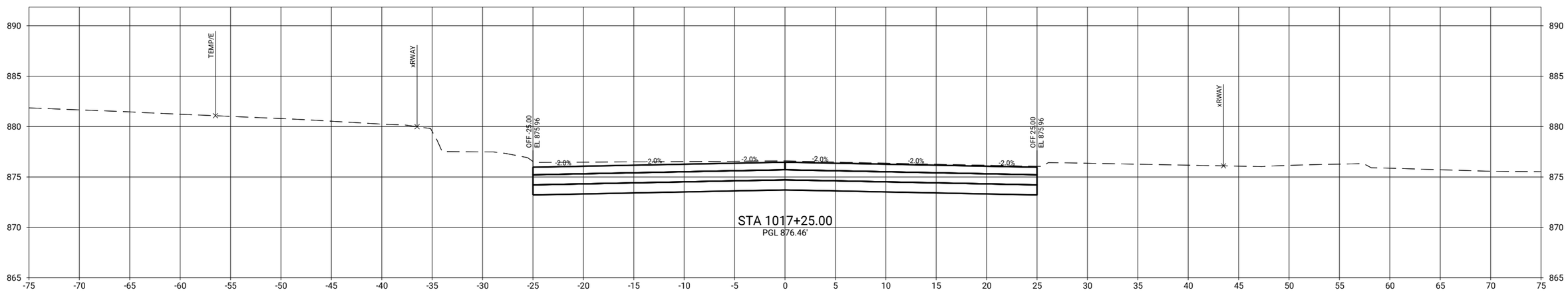
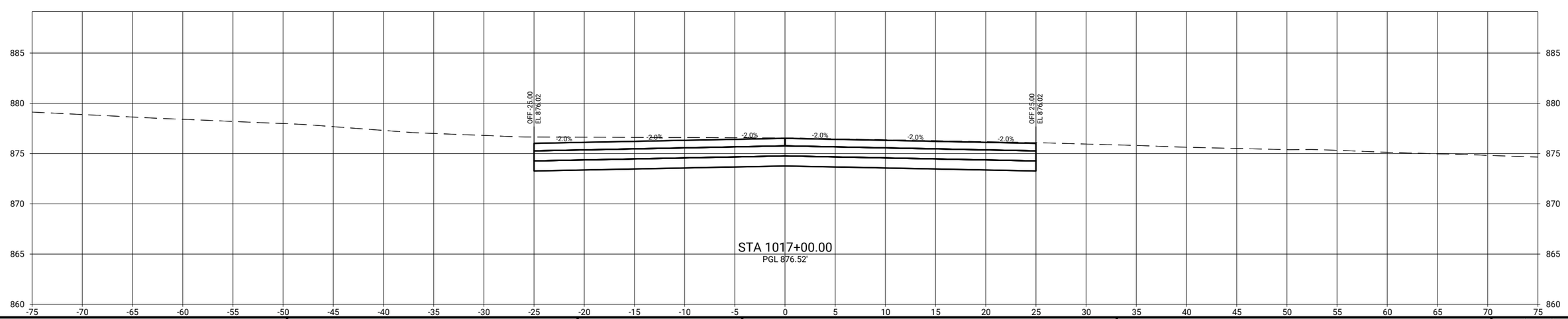
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.21
STBG-SWAP-1185(657







CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.22
STBG-SWAP-1185(657)

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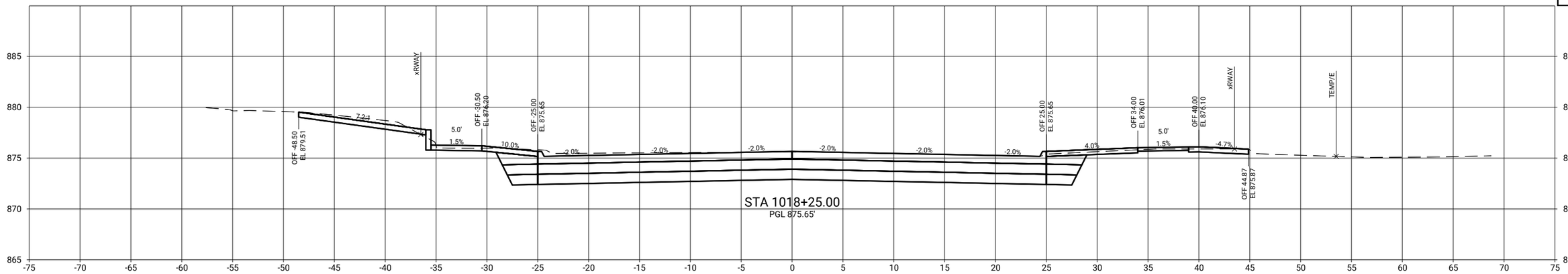

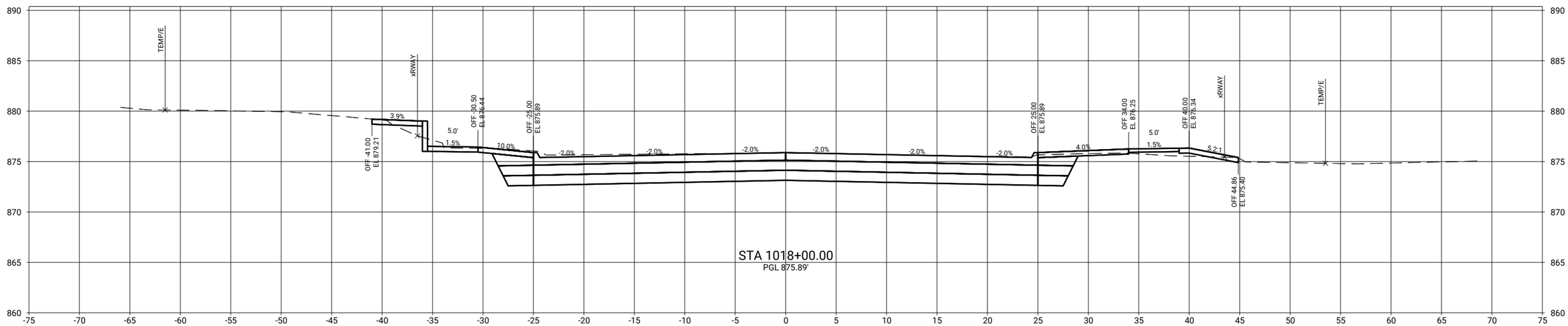

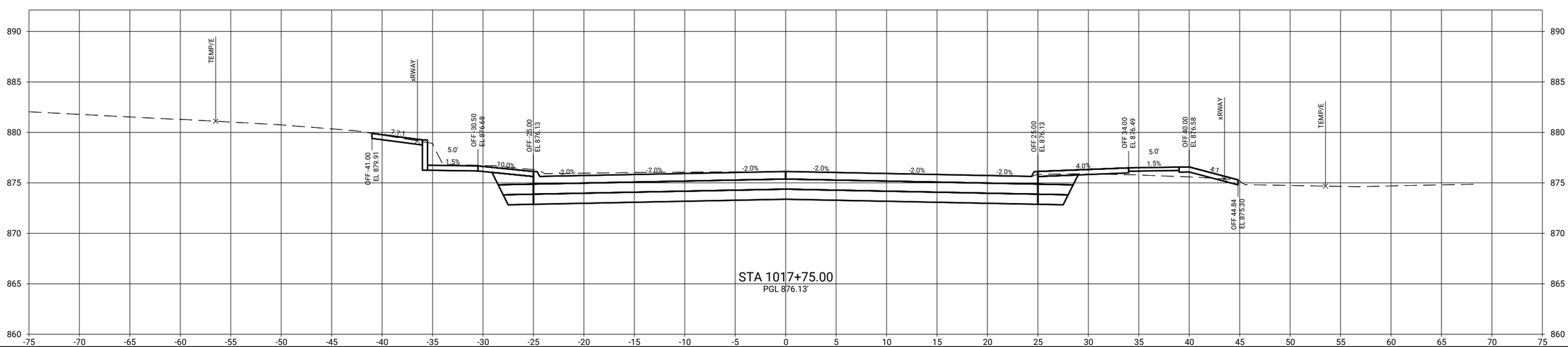

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.23
STBG-SWAP-1185(657

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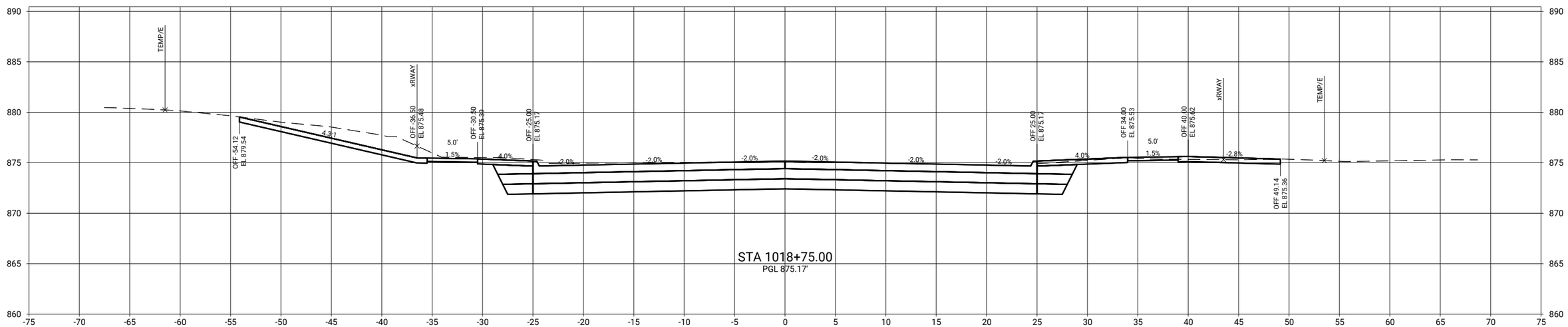

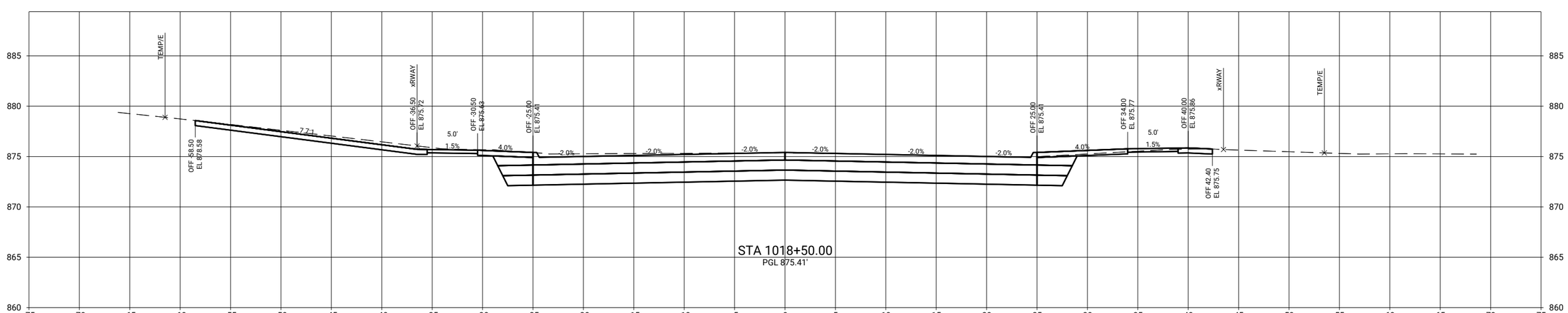

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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07	FOTH PROJECT NO: 0021C017.02		
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NO	DATE	BY	REVISION DESCRIPTION

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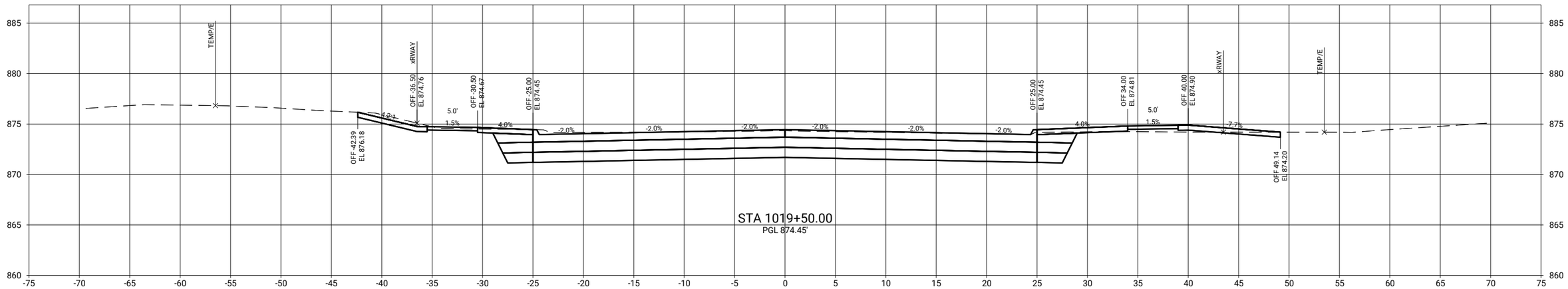
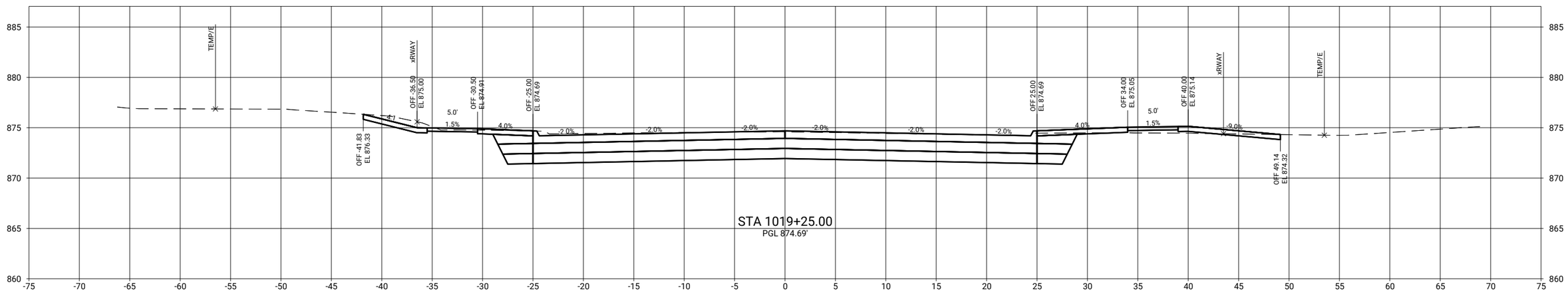
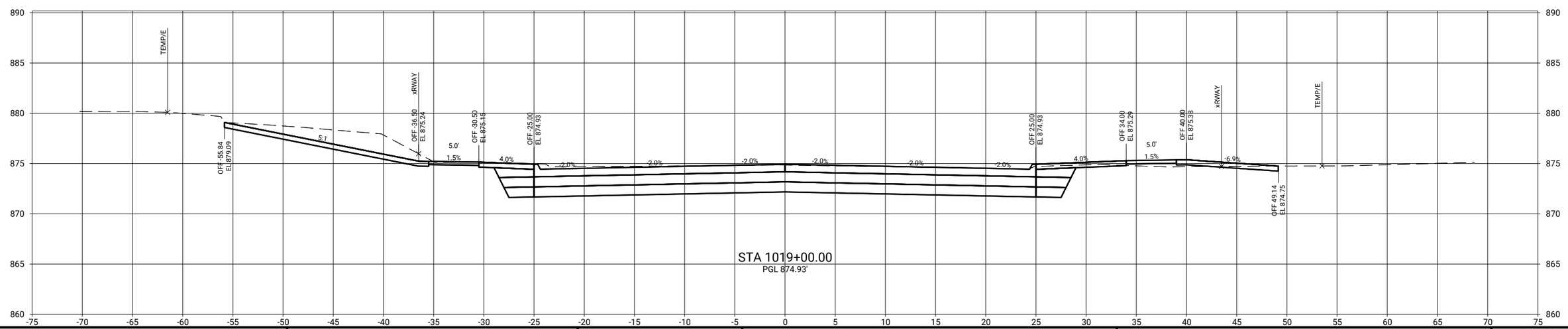
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.24
STBG-SWAP-1185(657







CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022	6:03:03 AM	
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.25
STBG-SWAP-1185(657

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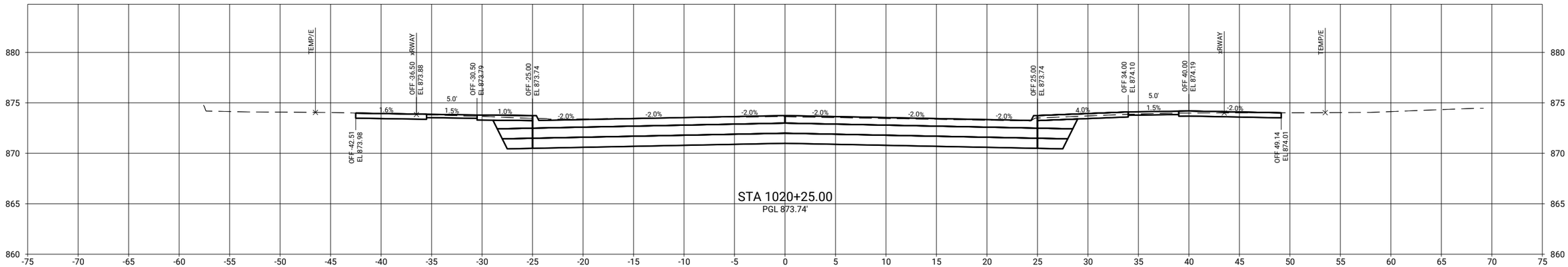

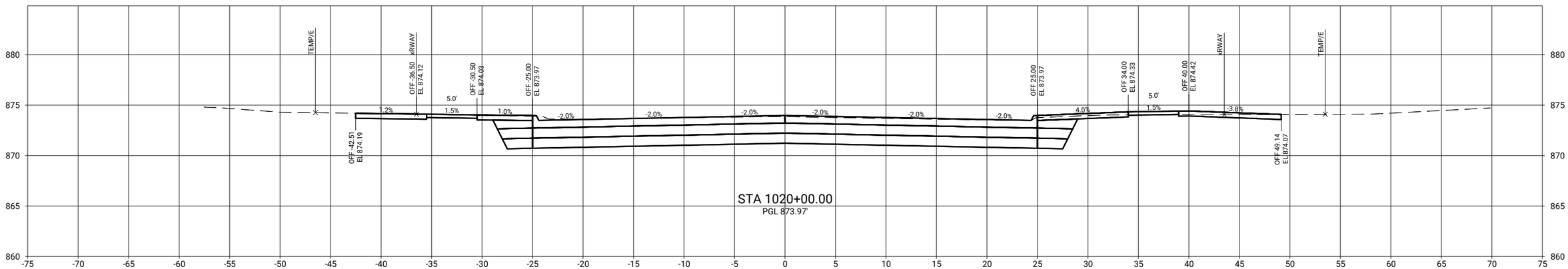

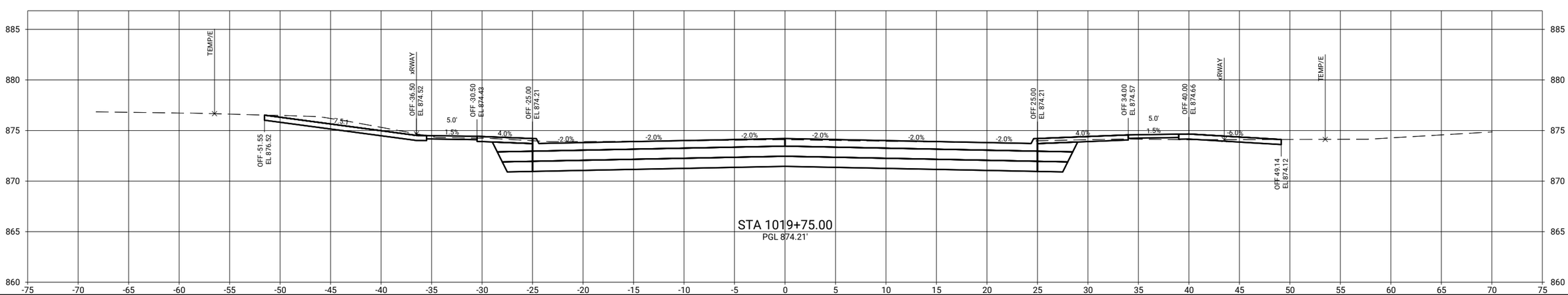

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07	FOTH PROJECT NO: 0021C017.02		
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.26

STBG-SWAP-1185(657)

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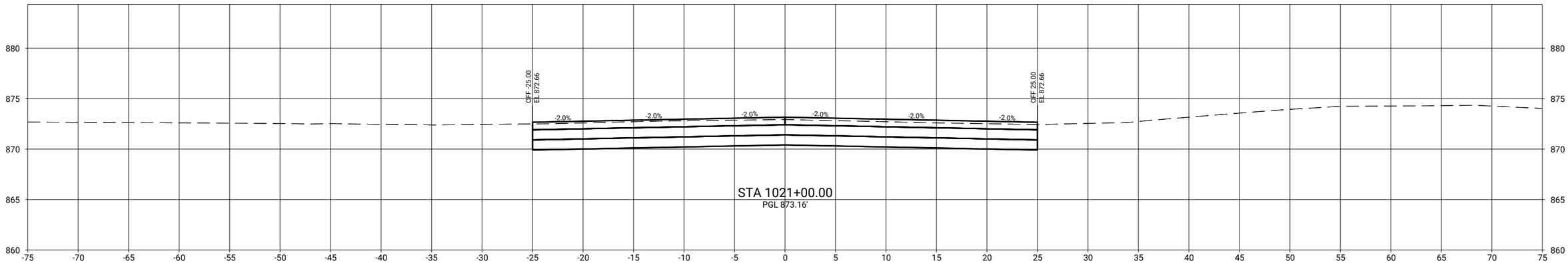

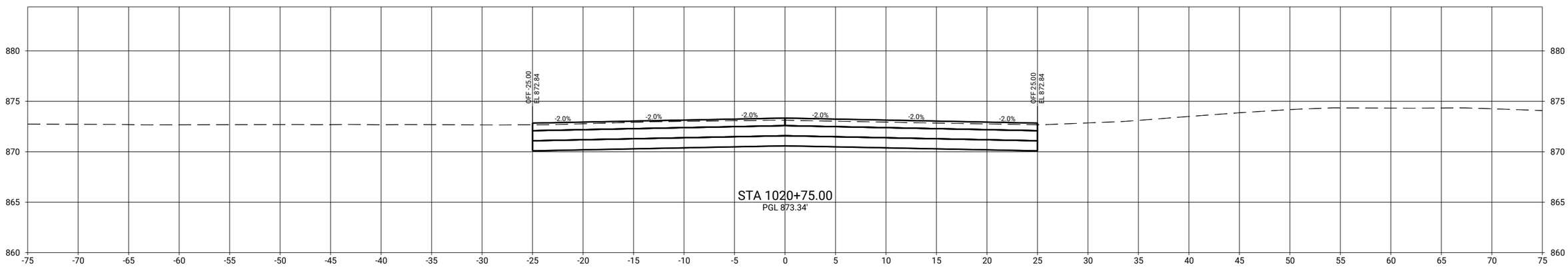

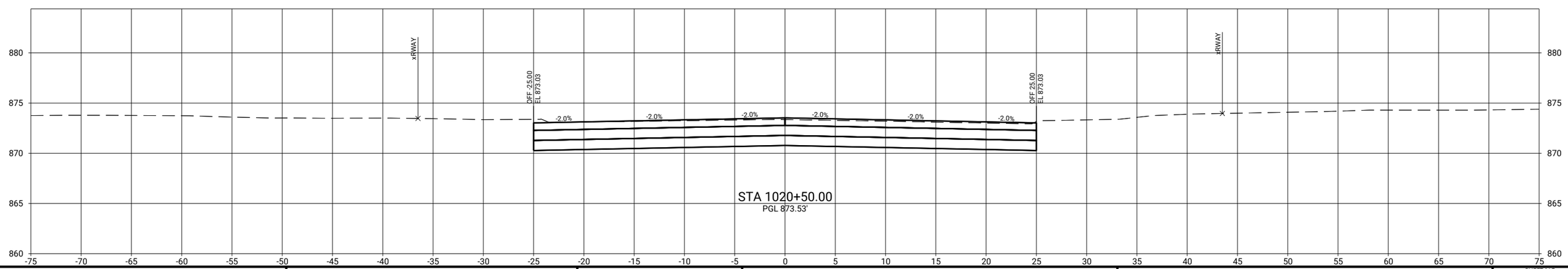

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.27
STBG-SWAP-1185(657

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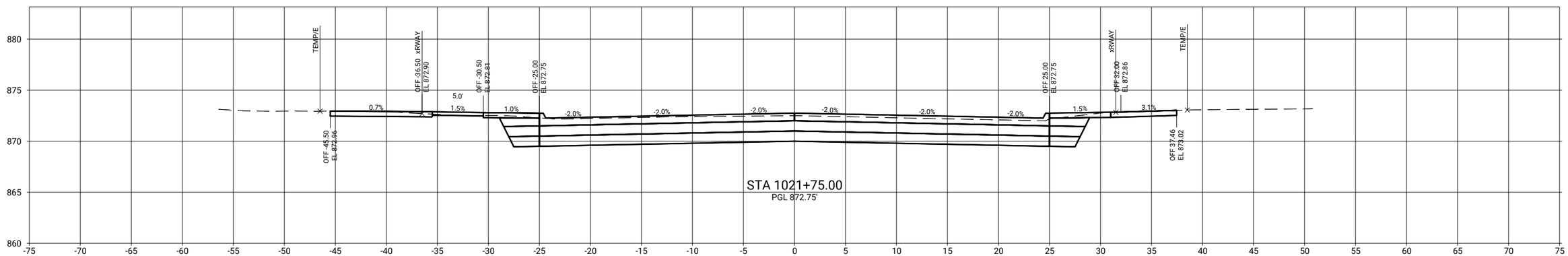

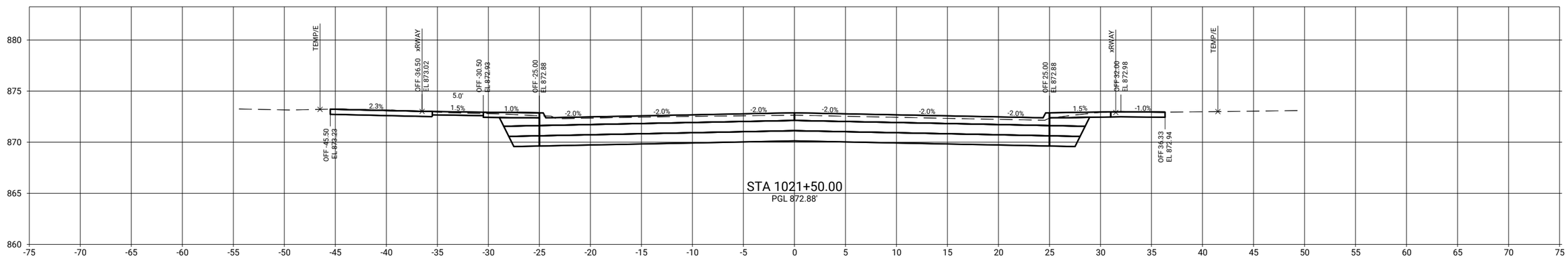

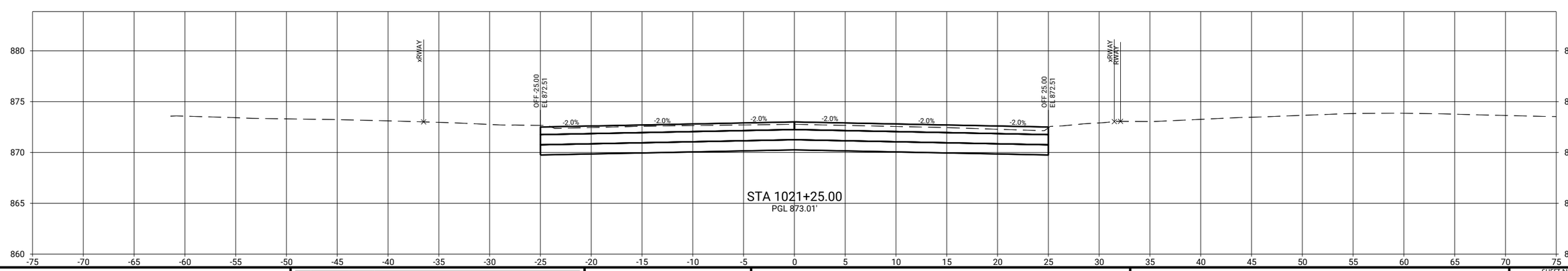

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.28
STBG-SWAP-1185(657)

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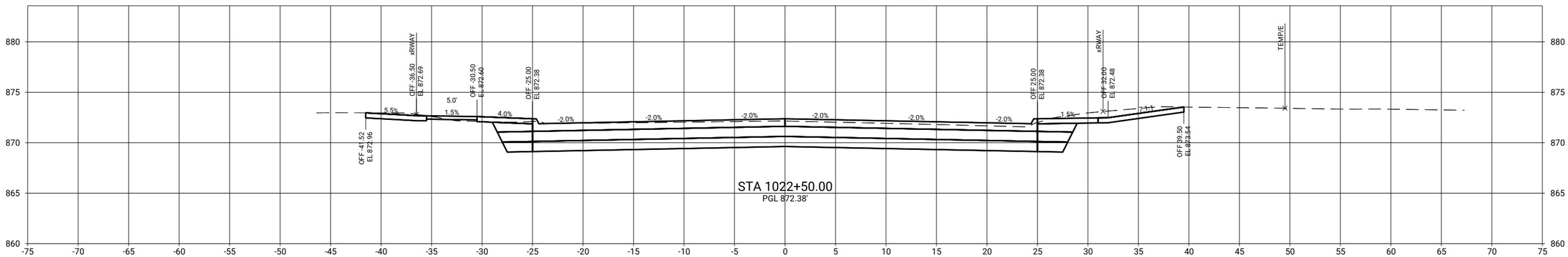

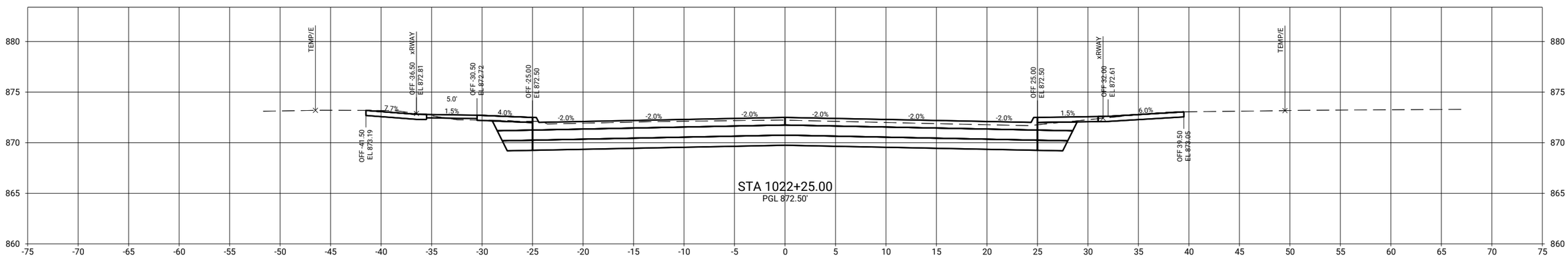

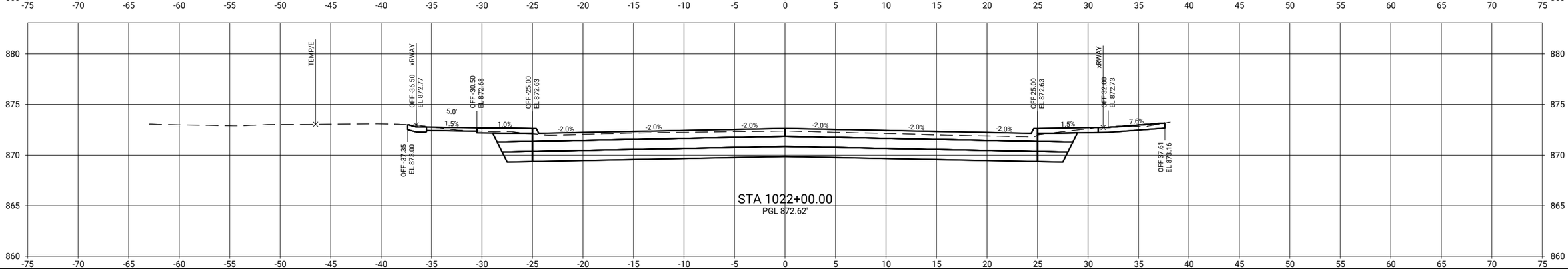

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.29

STBG-SWAP-1185(657

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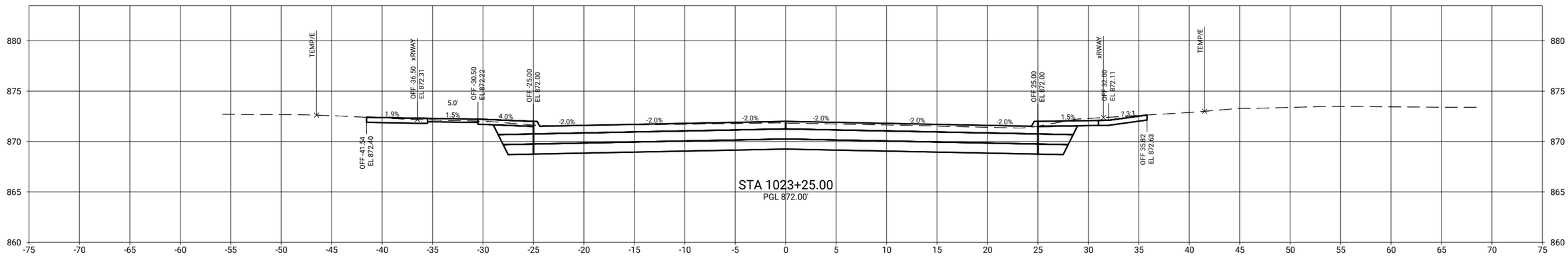

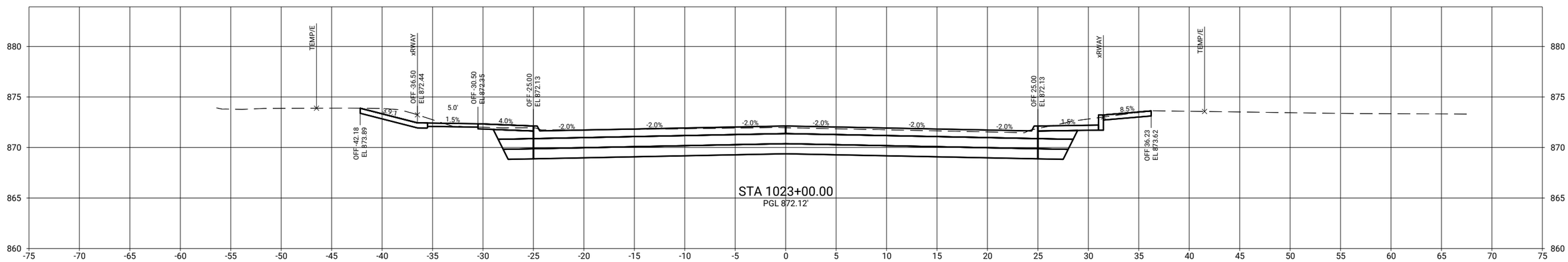

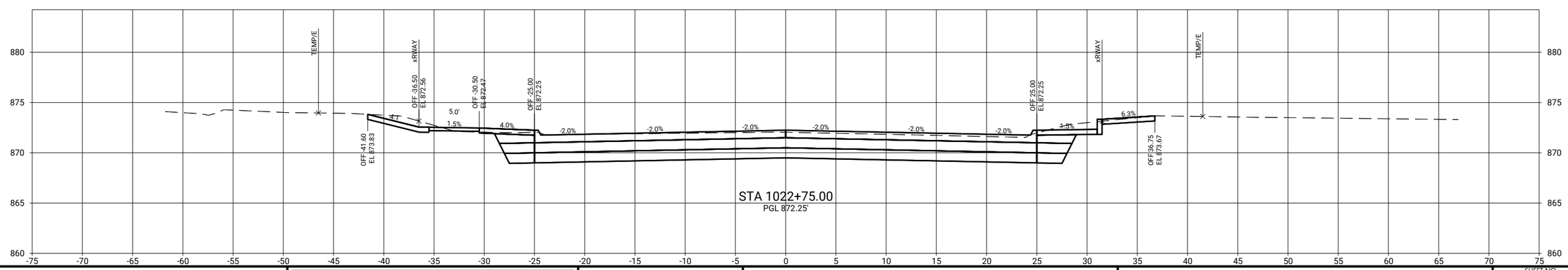

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.30

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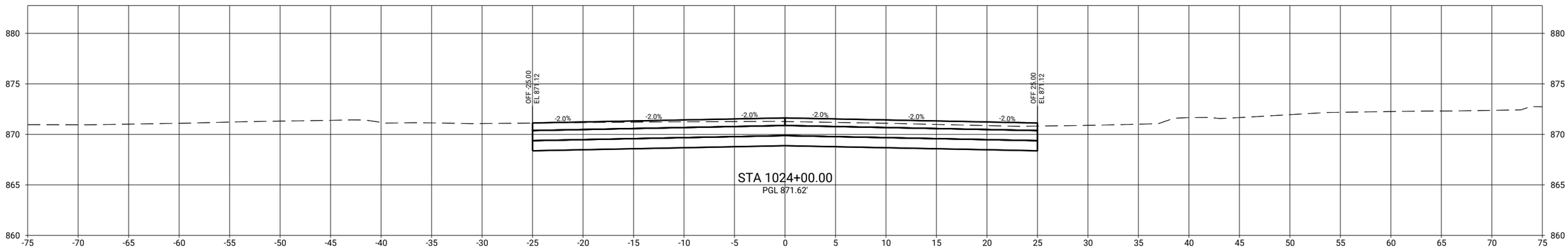

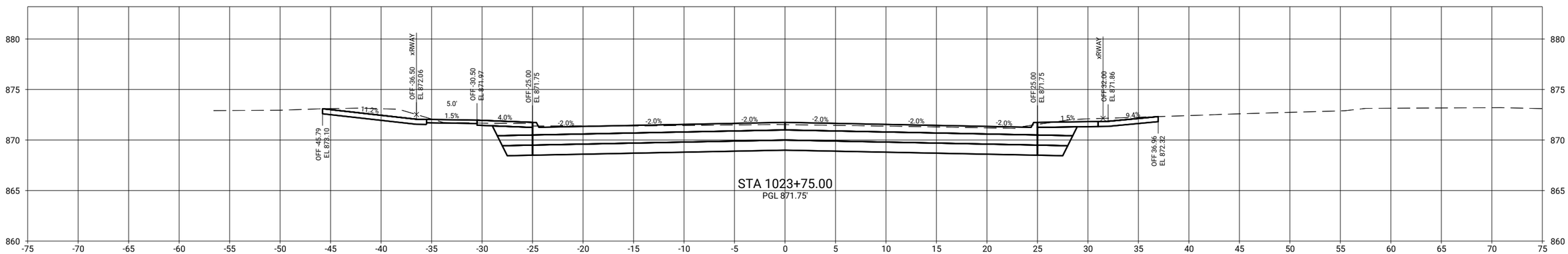

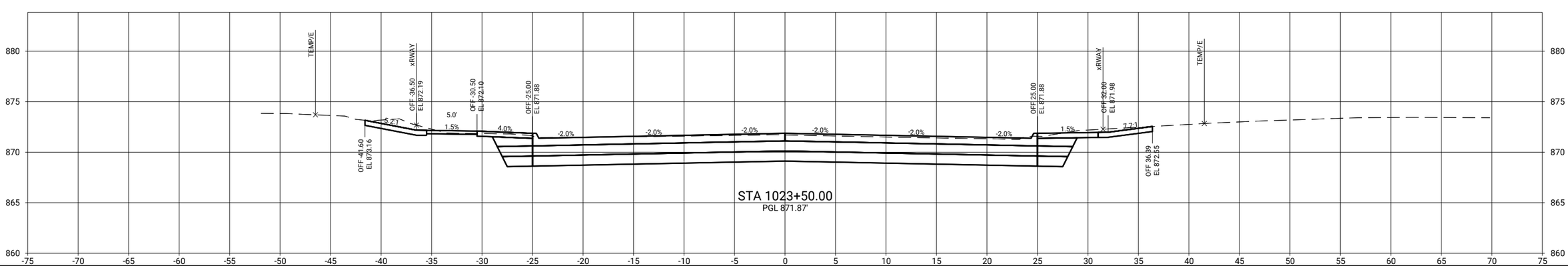

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
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LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 6:03:25 AM
CAD FILE: c:\pw_workdir\pw_ie\ttld05183751\0021C017.02_W02_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.31
STBG-SWAP-1185(657

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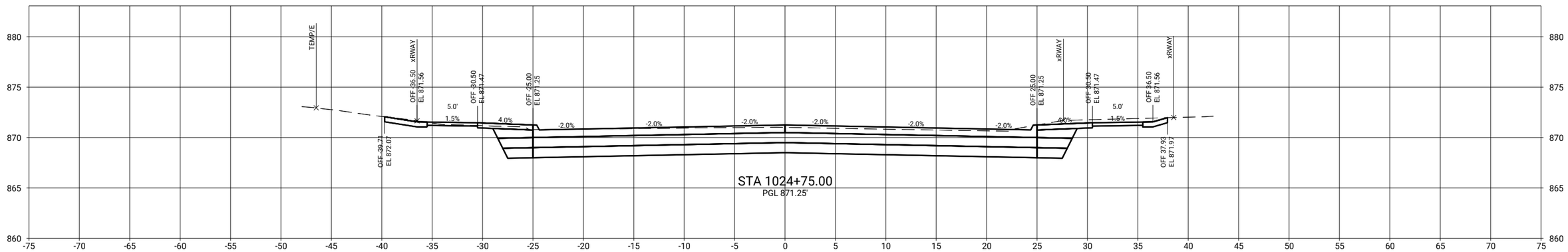

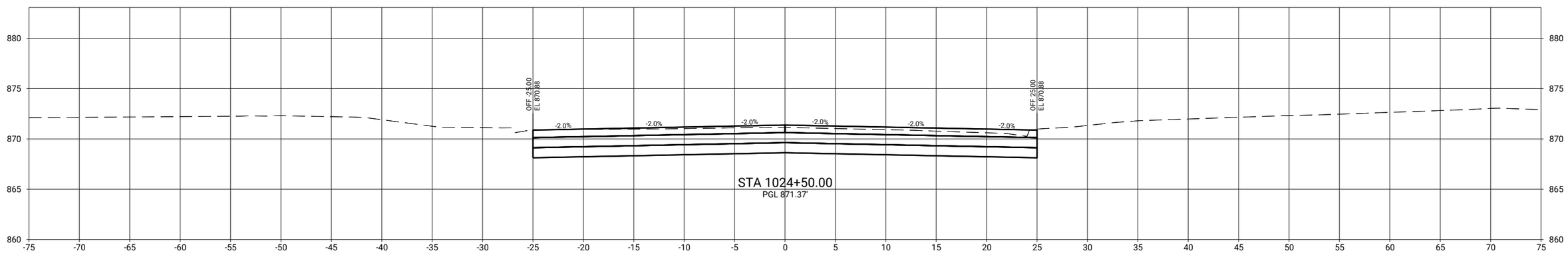

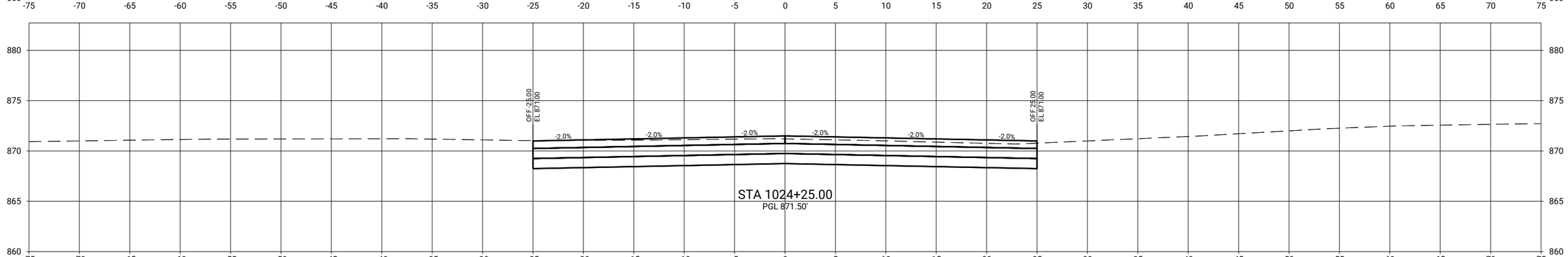

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.32
STBG-SWAP-1185(657

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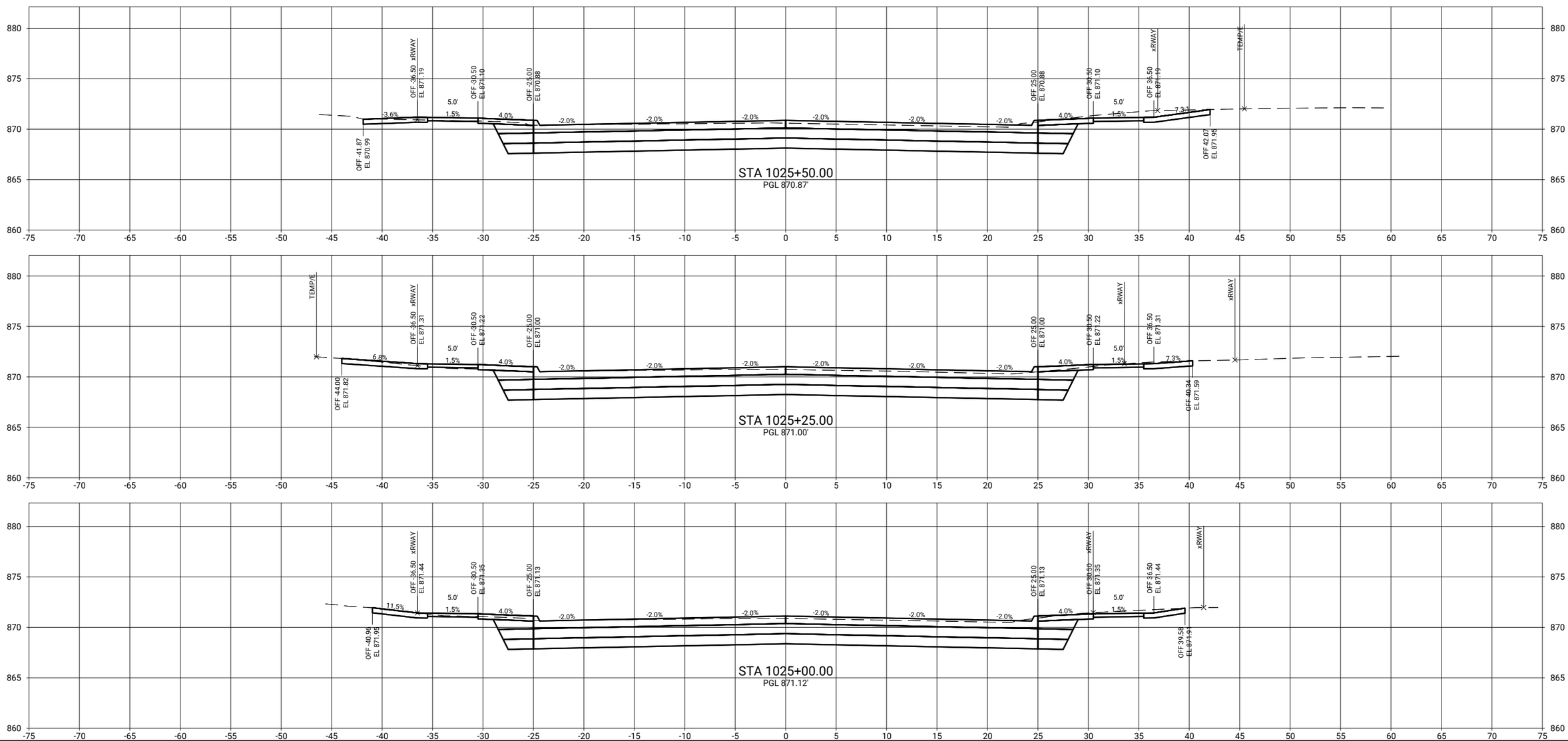

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.33
STBG-SWAP-1185(657

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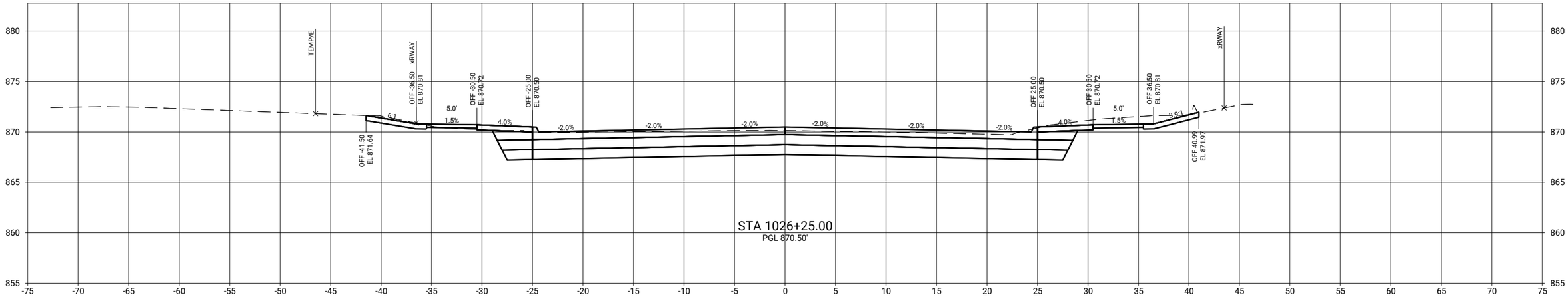

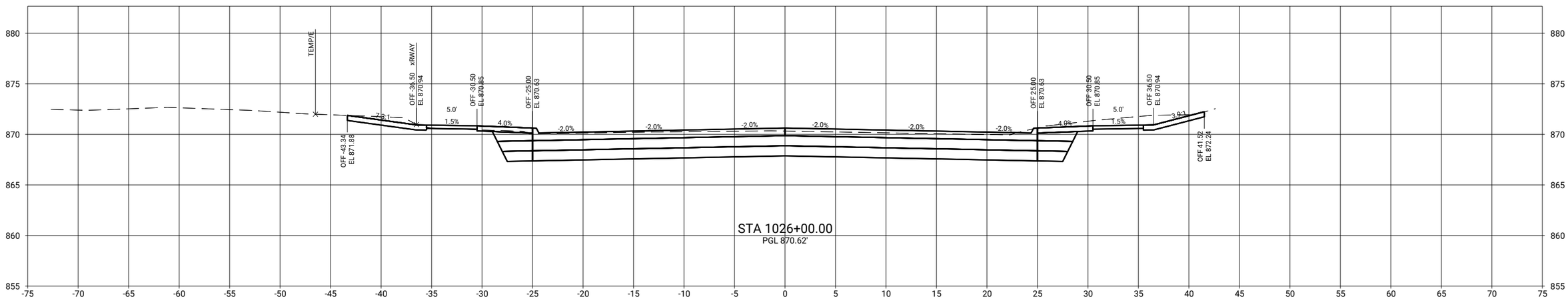

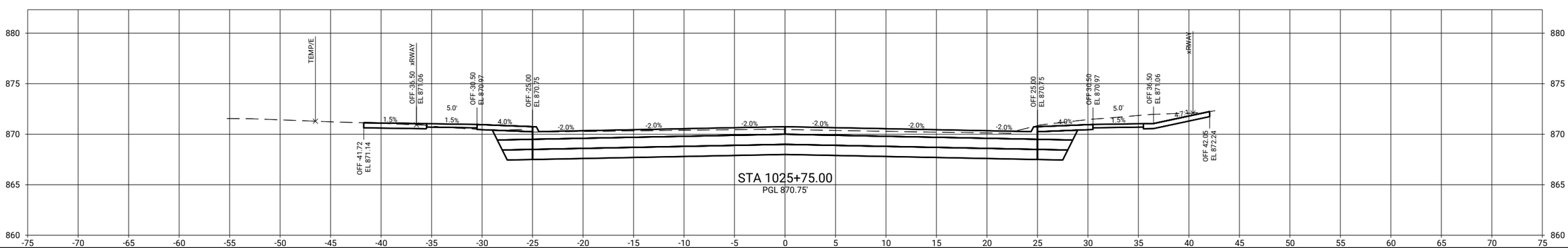

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.34
STBG-SWAP-1185(657

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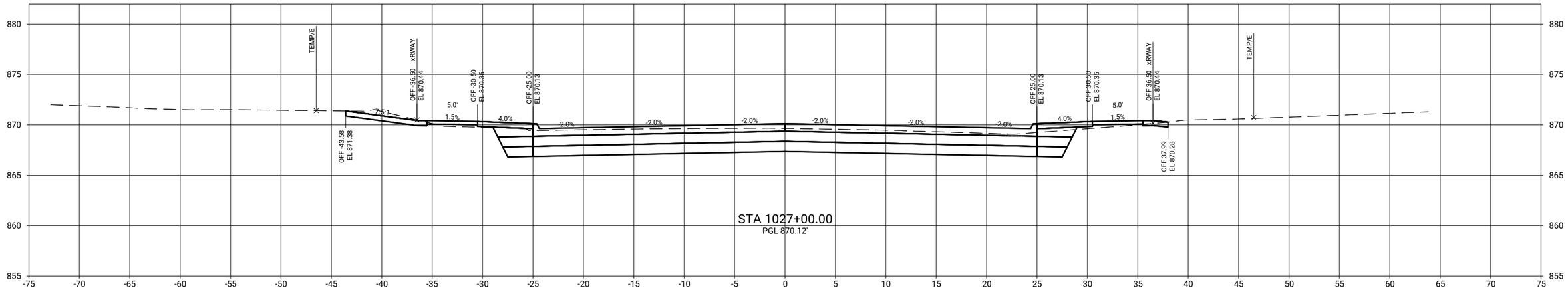

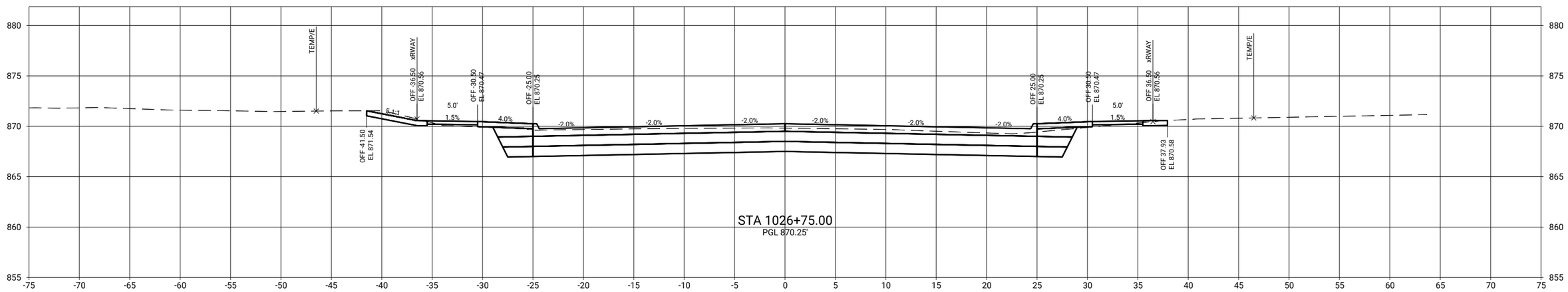

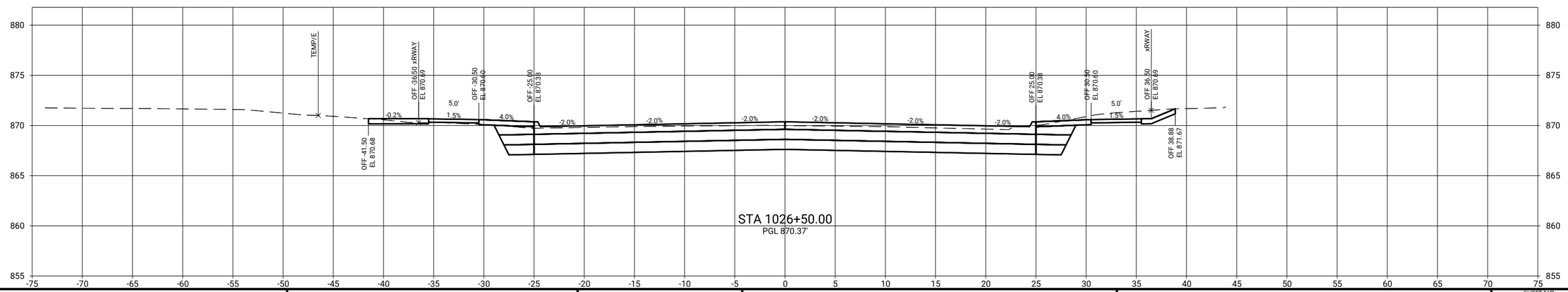

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.35
STBG-SWAP-1185(657

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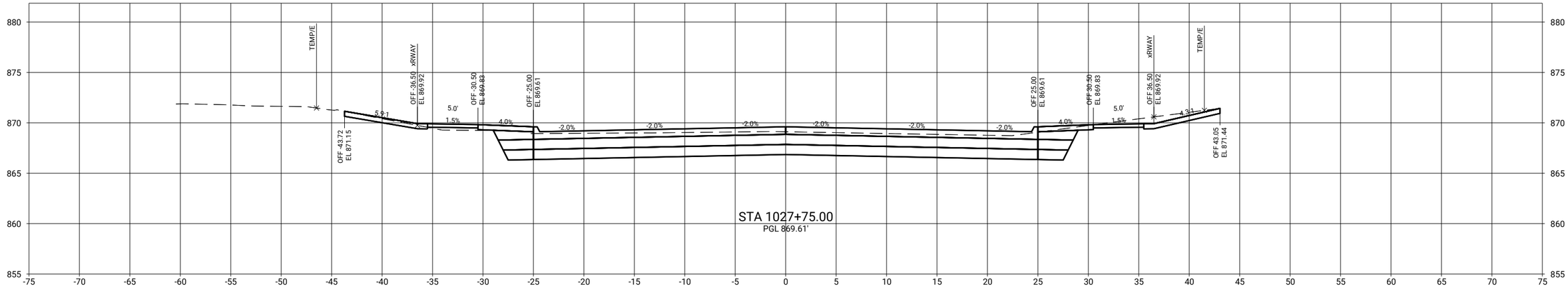

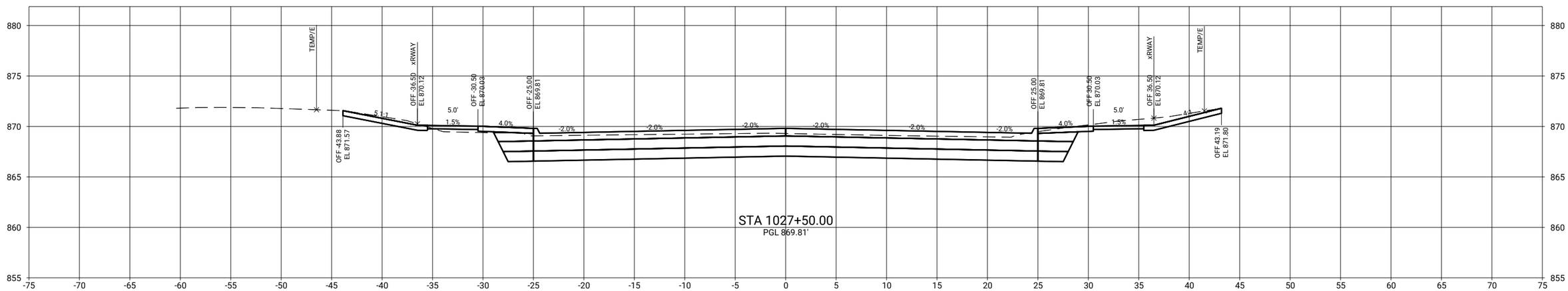

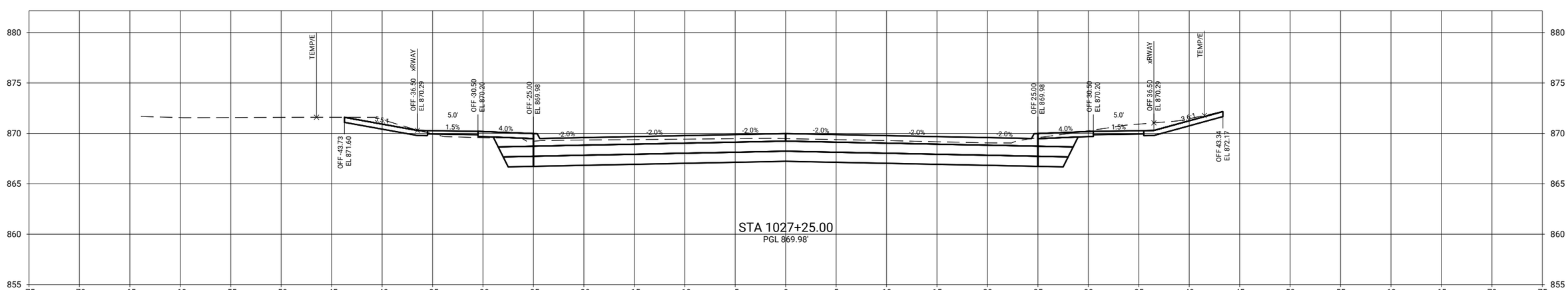

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.36
STBG-SWAP-1185(657

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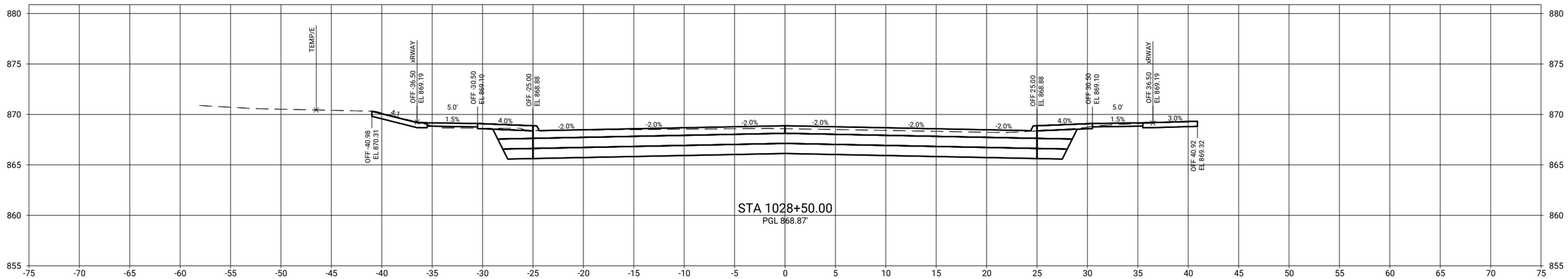

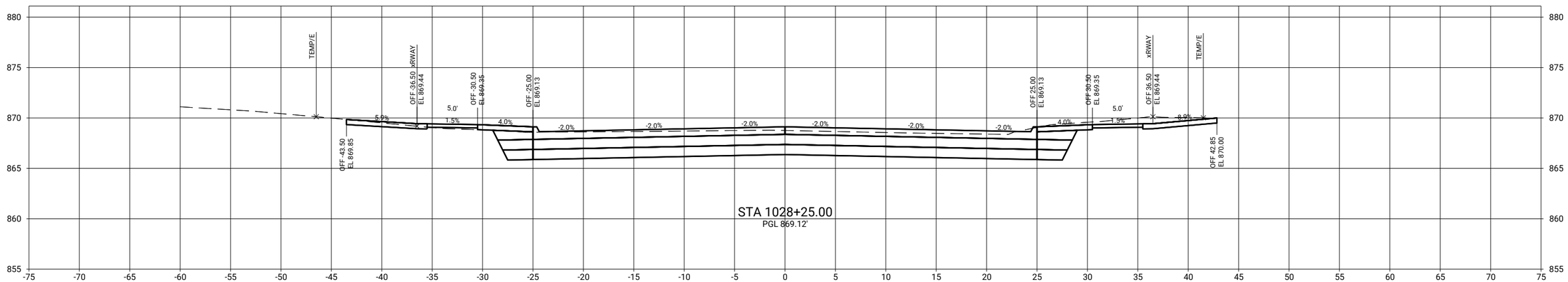

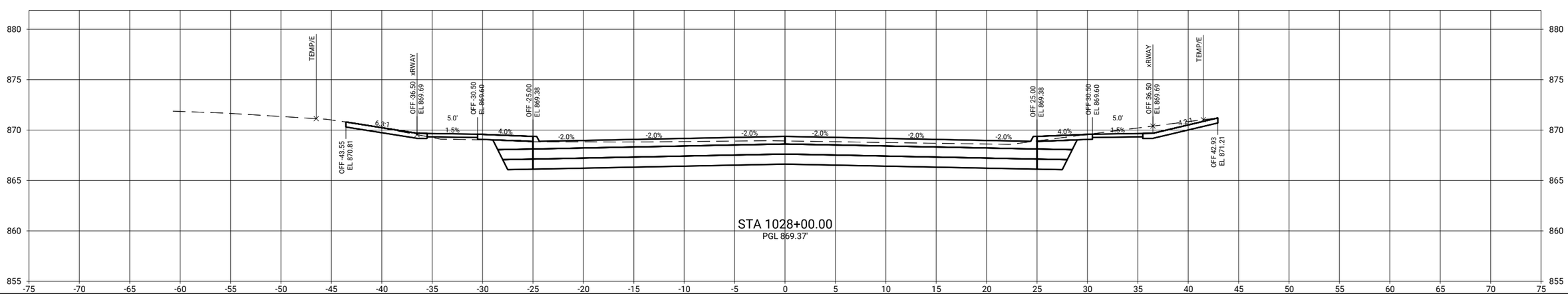

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.37

STBG-SWAP-1185(657

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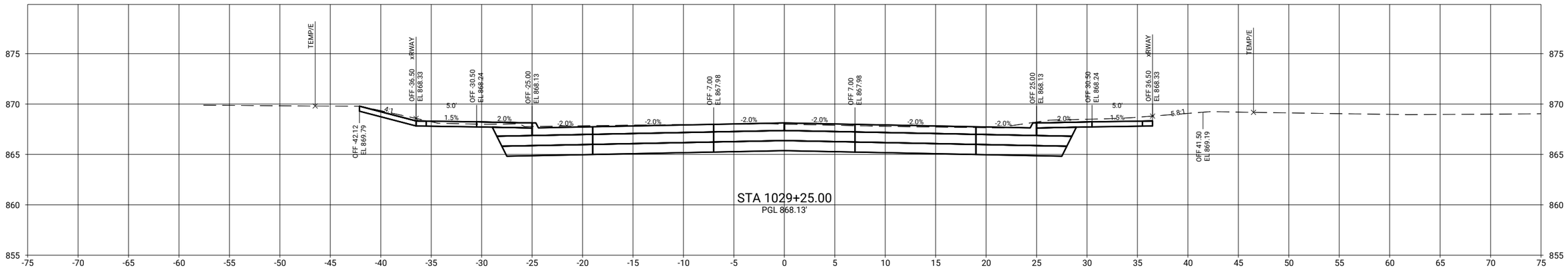

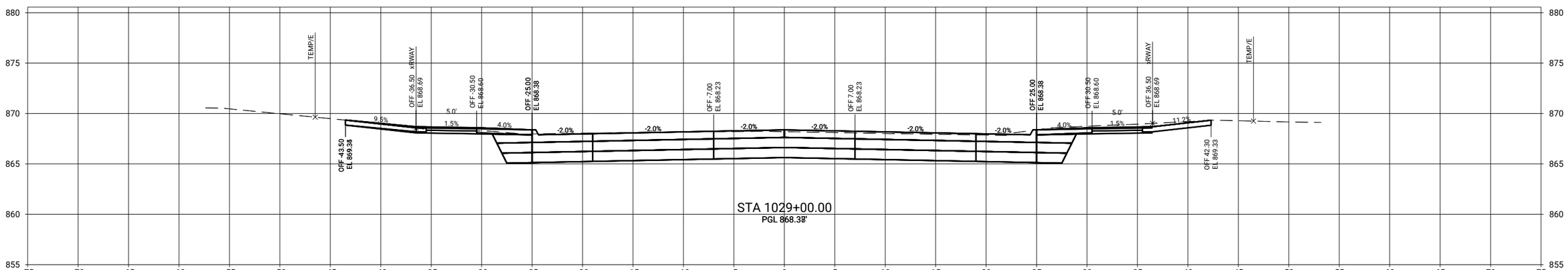

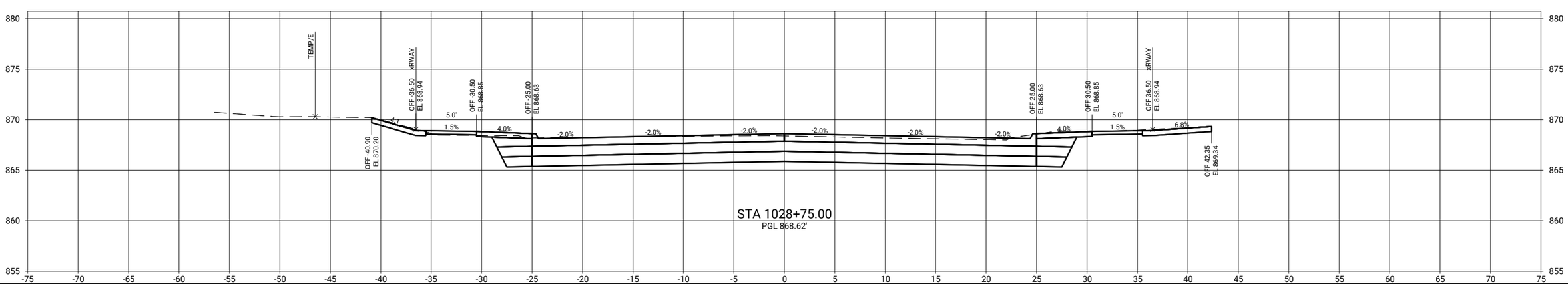

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.38

STBG-SWAP-1185(657)

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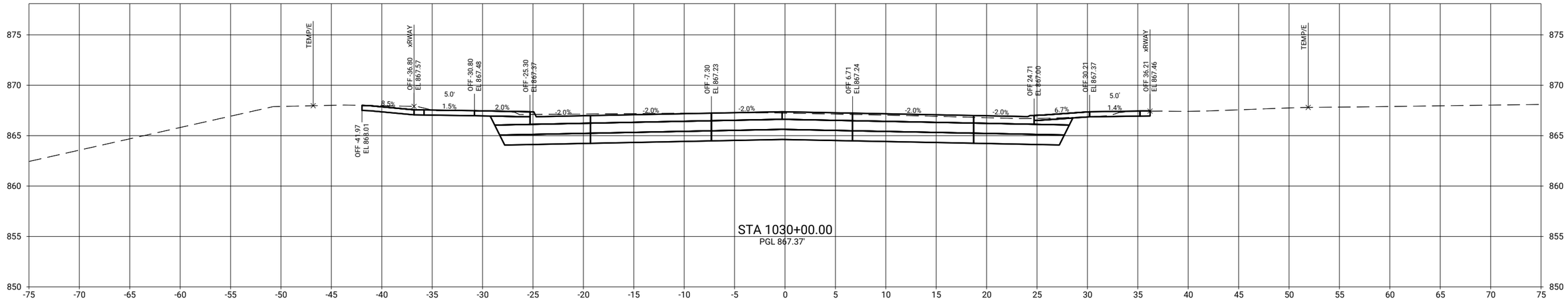

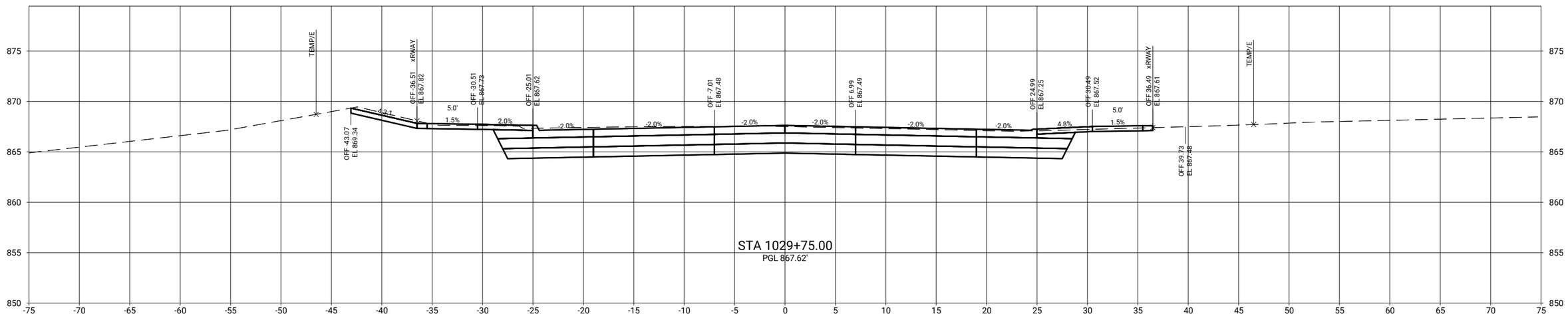

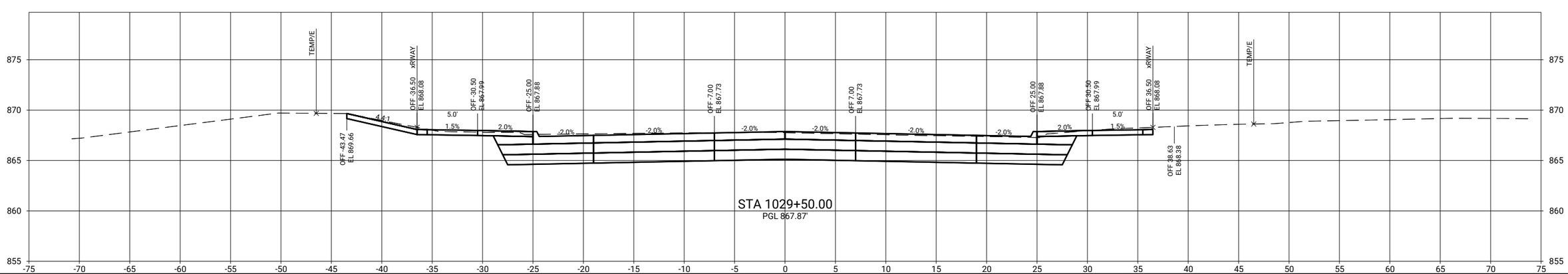

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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: T. LECLAIR CHECKED BY: C. CARPER DRAWN BY: T. LECLAIR
LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 6:03:59 AM
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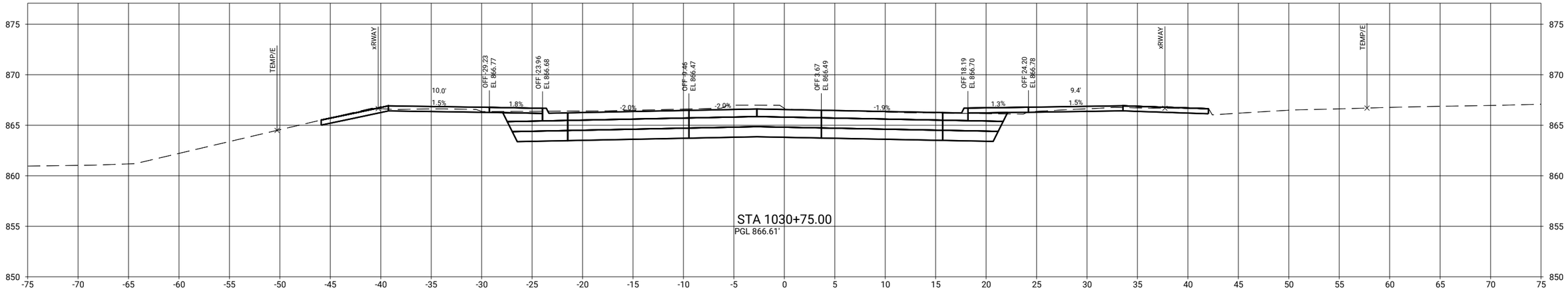
NO	DATE	BY	REVISION DESCRIPTION

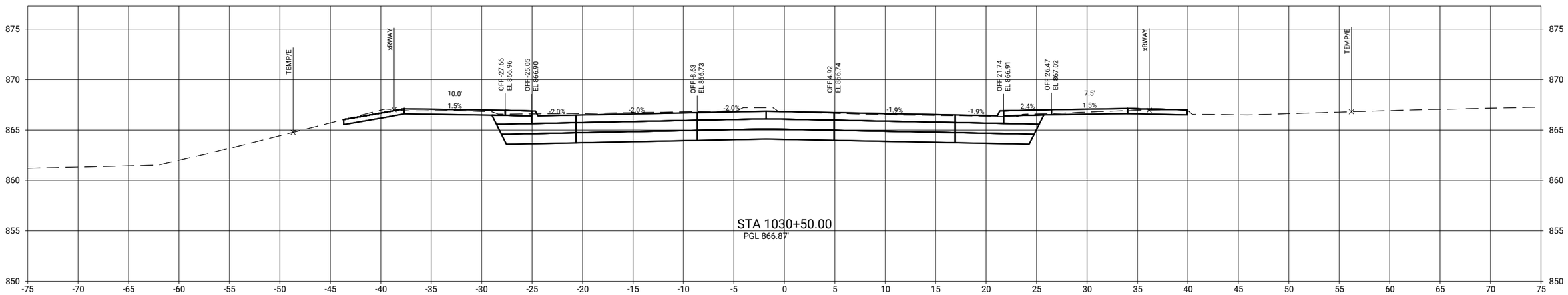
Foth

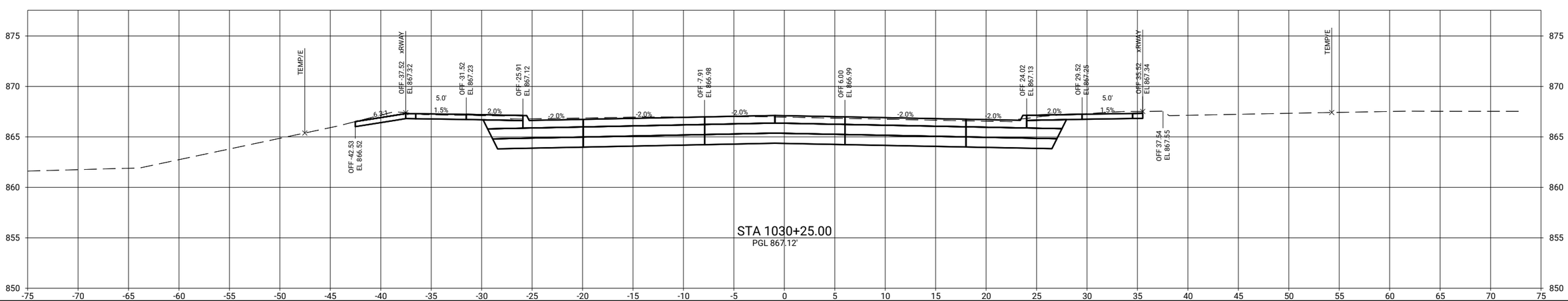
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.39
STBG-SWAP-1185(657







CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: T. LECLAIR	CHECKED BY: C. CARPER	DRAWN BY: T. LECLAIR	
LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022	6:04:03 AM	
CAD FILE: c:\pw_workdir\pw_ie\ttl\d05183751\0021C017.02_W02_SHT.dgn			

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.40

STBG-SWAP-1185(657

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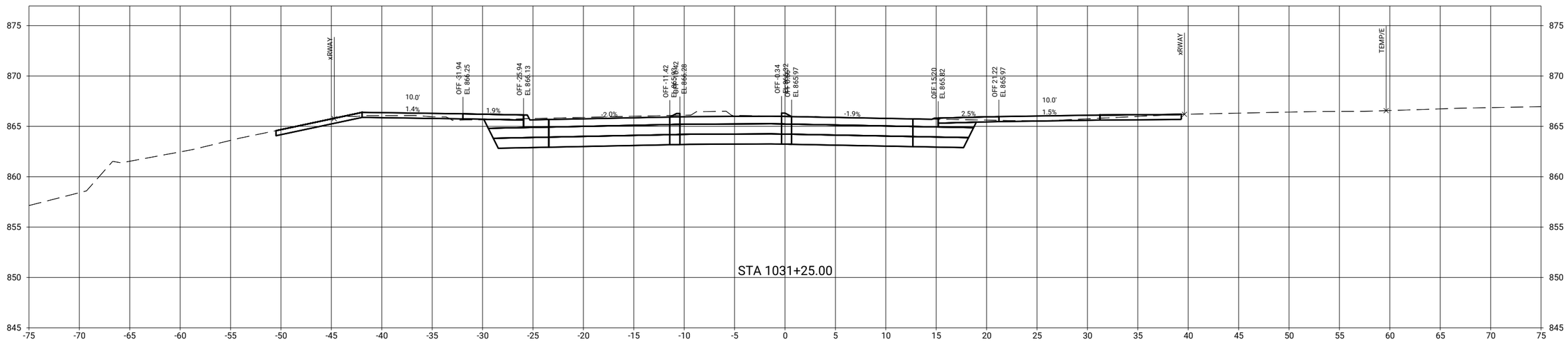

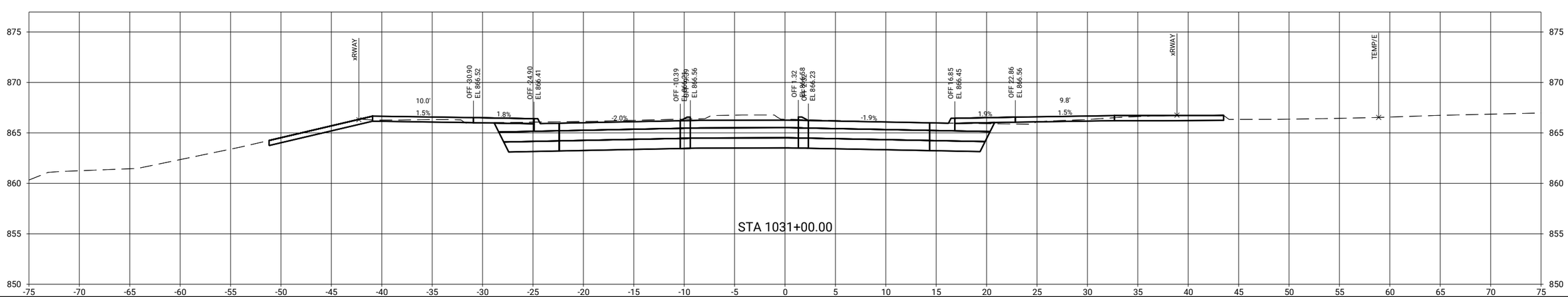

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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022	6:27:38 AM	
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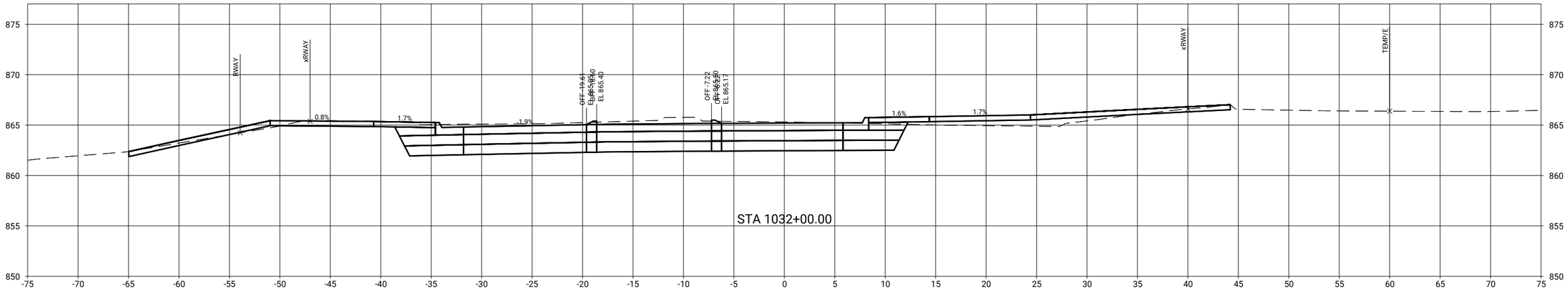
NO	DATE	BY	REVISION DESCRIPTION

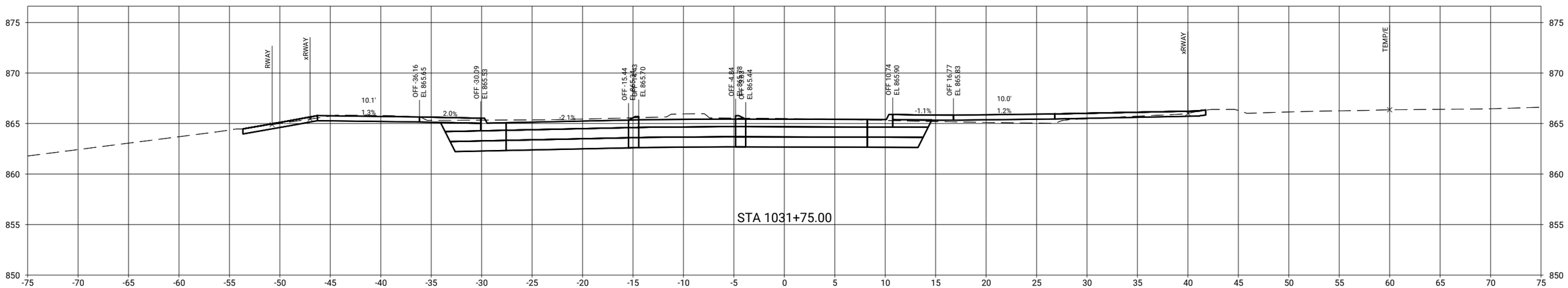
Foth

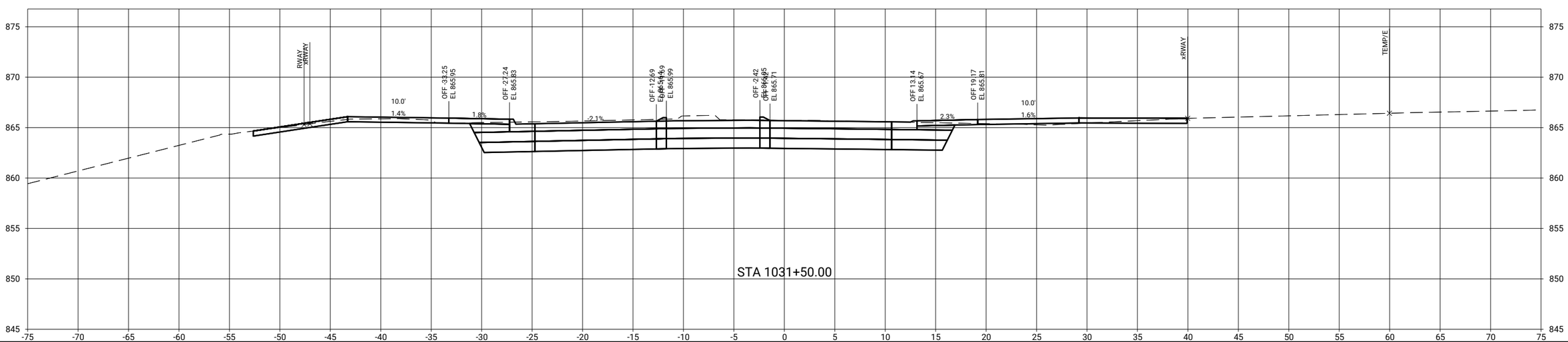
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.41
STBG-SWAP-1185(657







CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07	FOTH PROJECT NO: 0021C017.02		
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LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022		6:27:44 AM
CAD FILE: c:\pw_workdir\pw_ie\ttl\d0518375\0021C017.02_W02_SHT.dgn			

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.42
STBG-SWAP-1185(657

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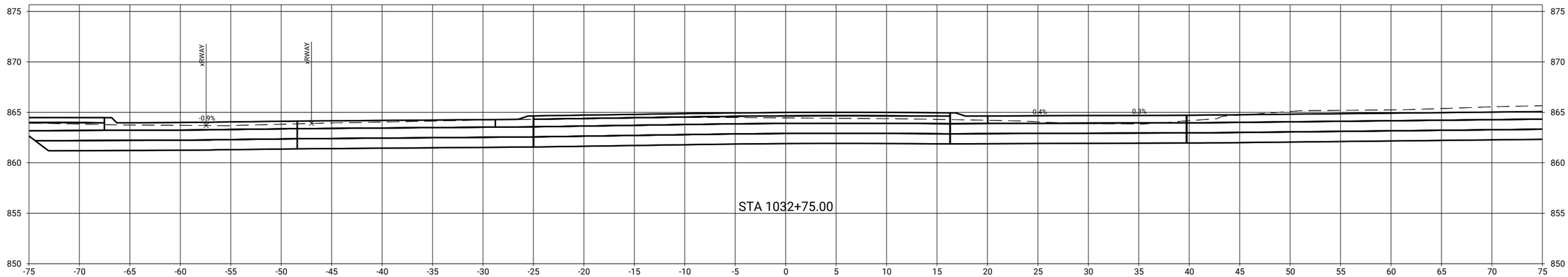

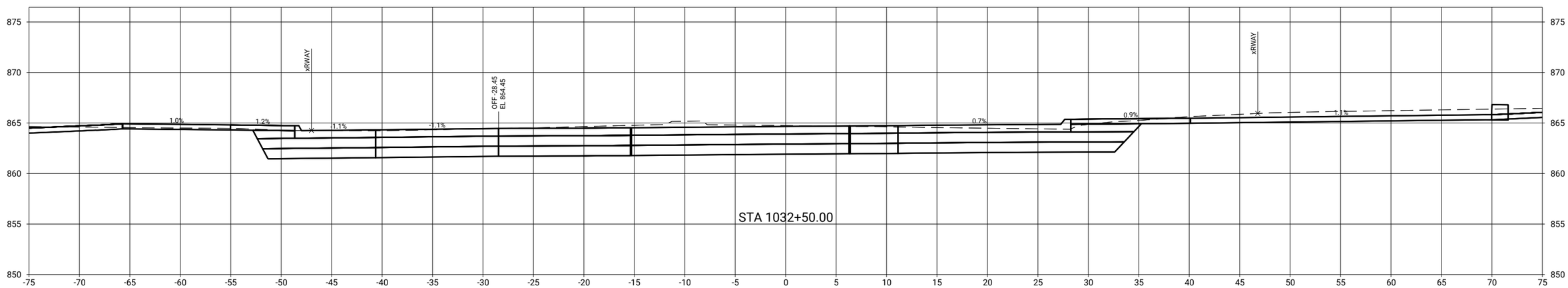

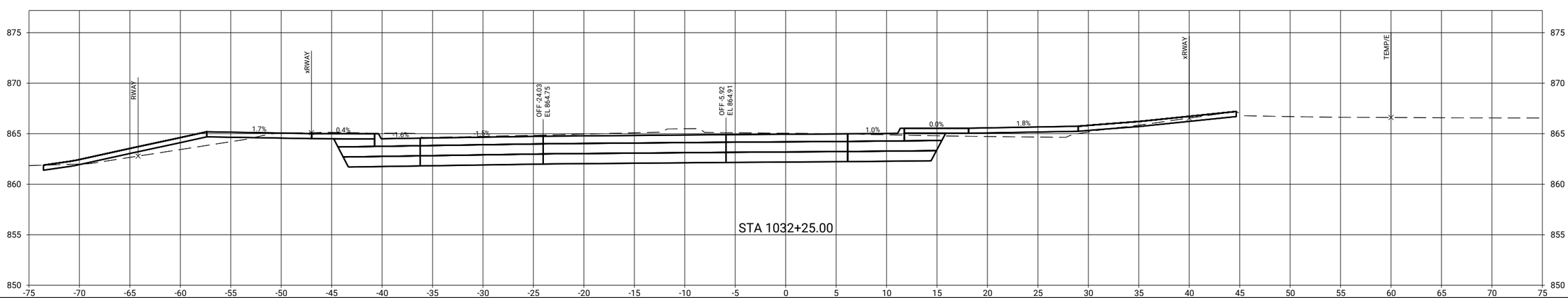

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
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CAD FILE: c:\pw_workdir\pw_ie\ttl\d0518375\0021C017.02_W02_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

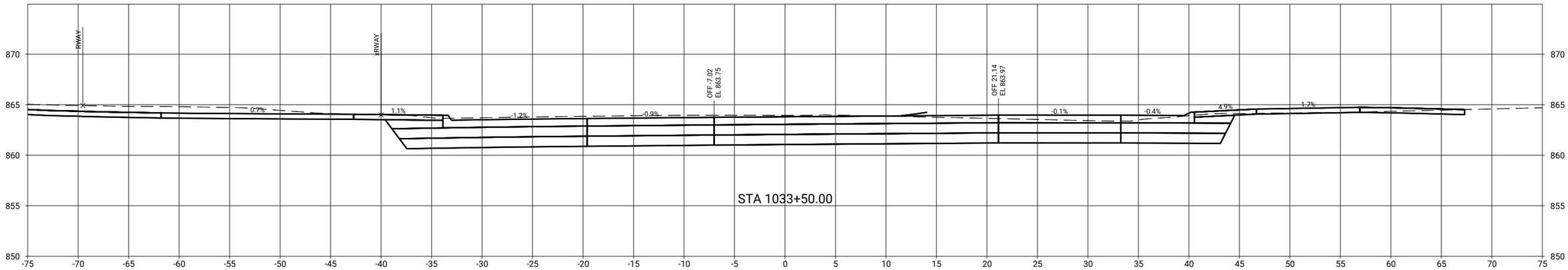
Foth

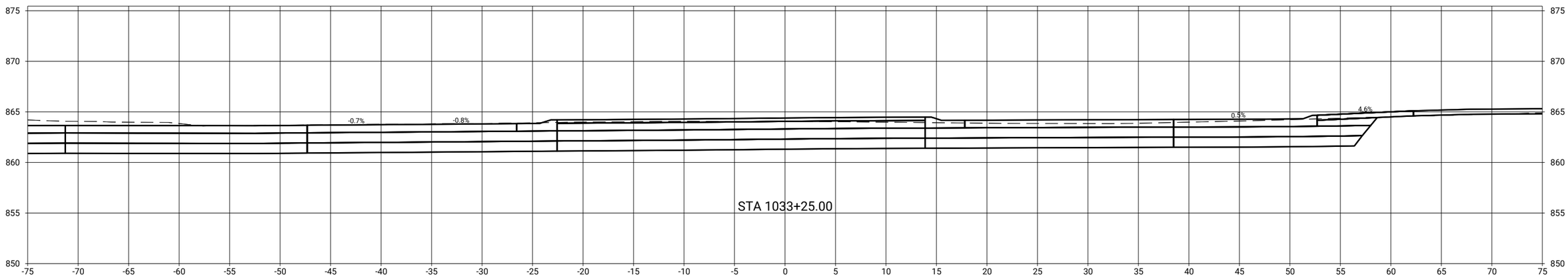
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

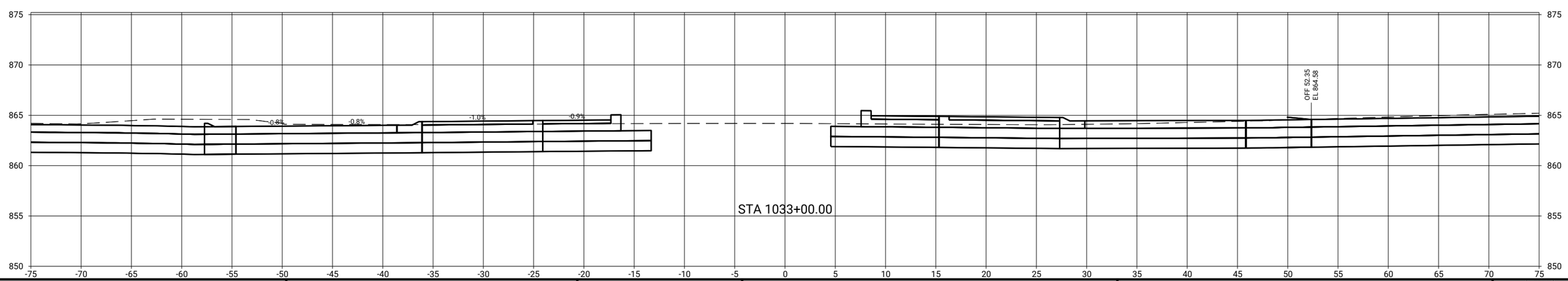
MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.43
STBG-SWAP-1185(657

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Falls IA C\Main Street Reconstruction\CAD\Plans\0021C017.02_W02_SHT







CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022	6:27:52 AM	
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.44
STBG-SWAP-1185(657

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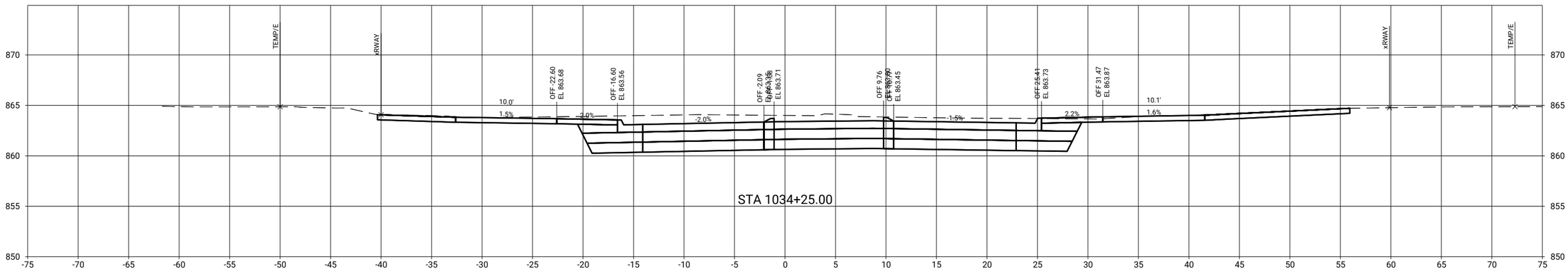

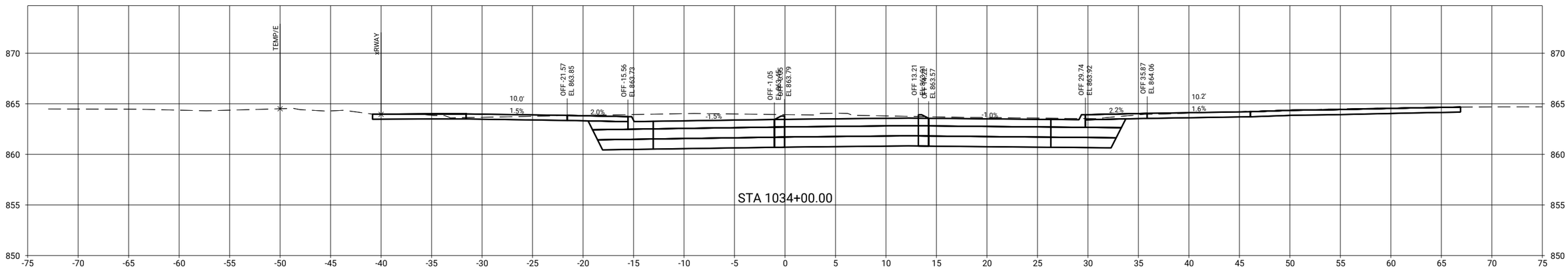

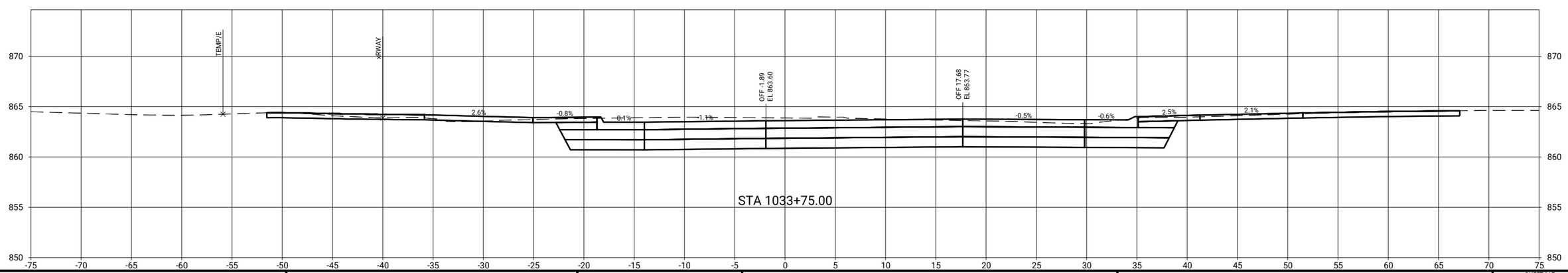

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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.45
STBG-SWAP-1185(657)

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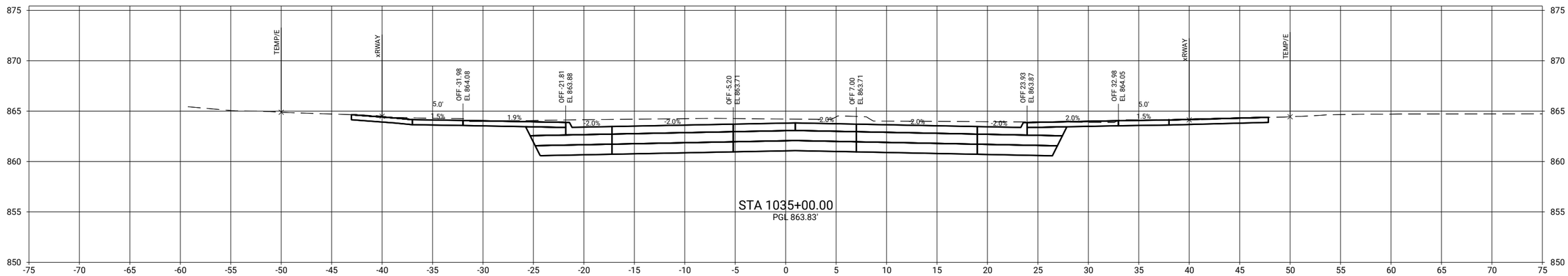

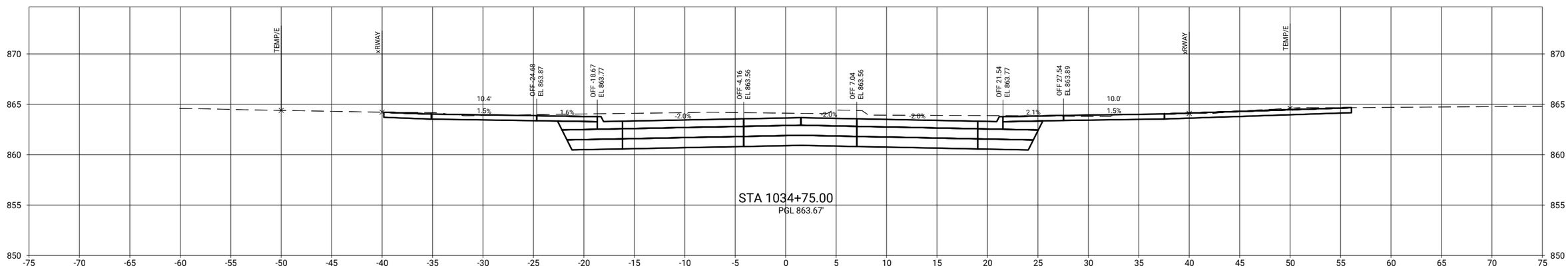

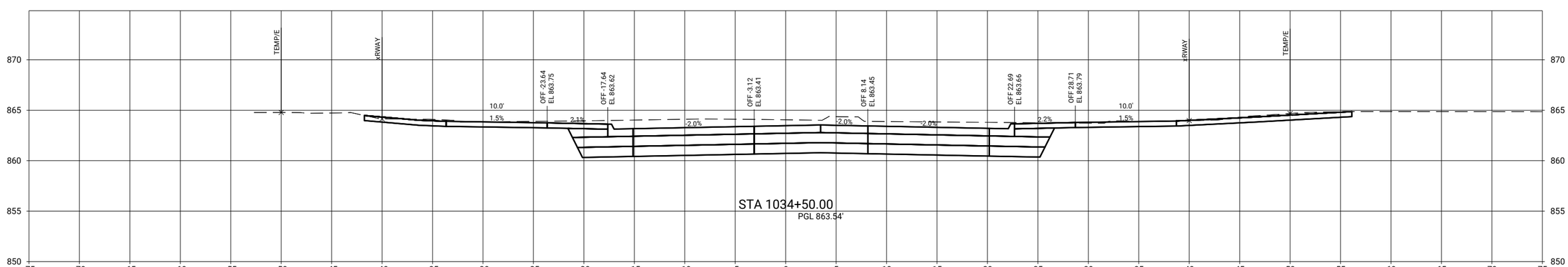

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07	FOTH PROJECT NO: 0021C017.02		
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.46

STBG-SWAP-1185(657

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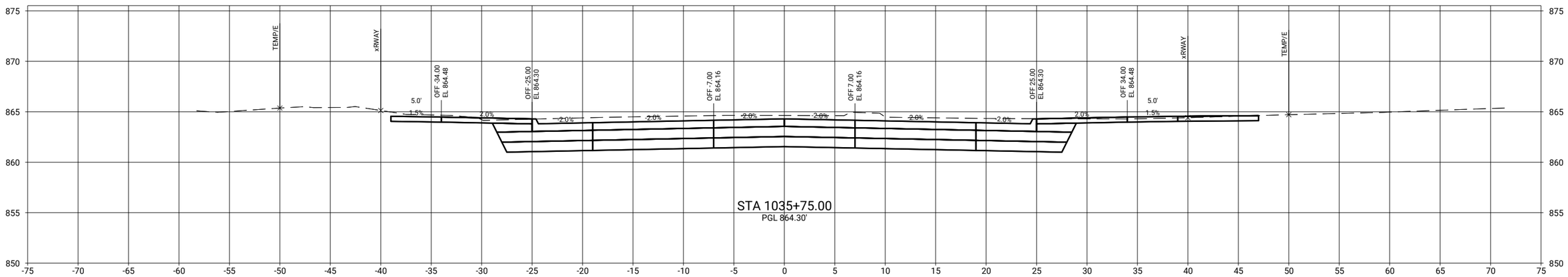

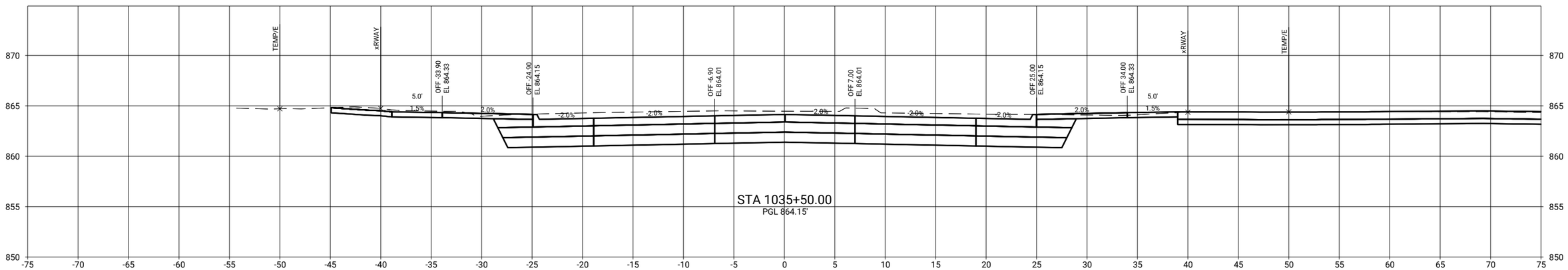

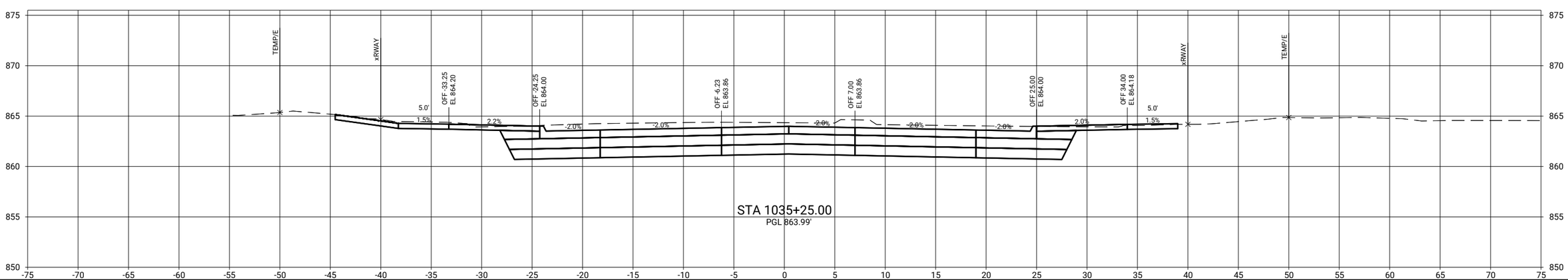

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
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LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 6:28:03 AM
CAD FILE: c:\pw_workdir\pw_ie\ttl\d0518375\0021C017.02_W02_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.47
STBG-SWAP-1185(657

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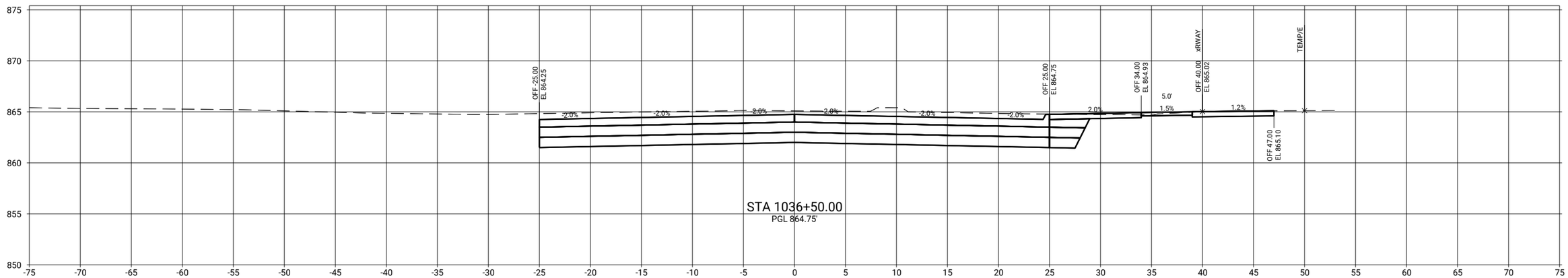

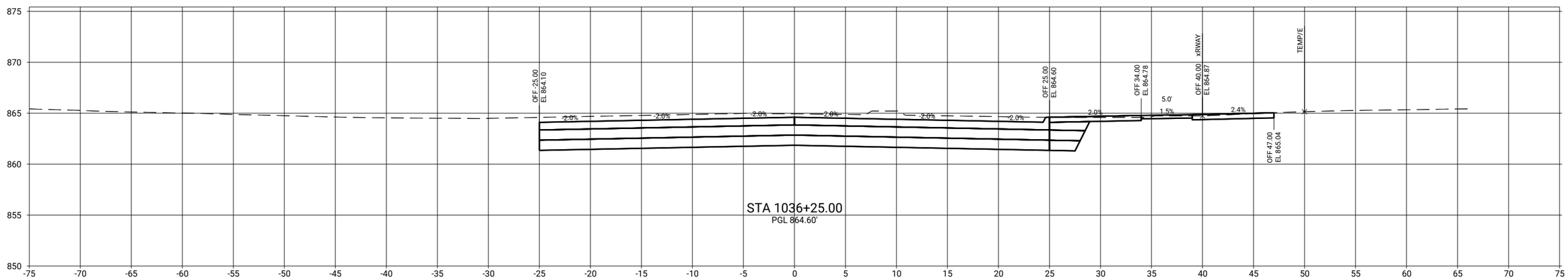

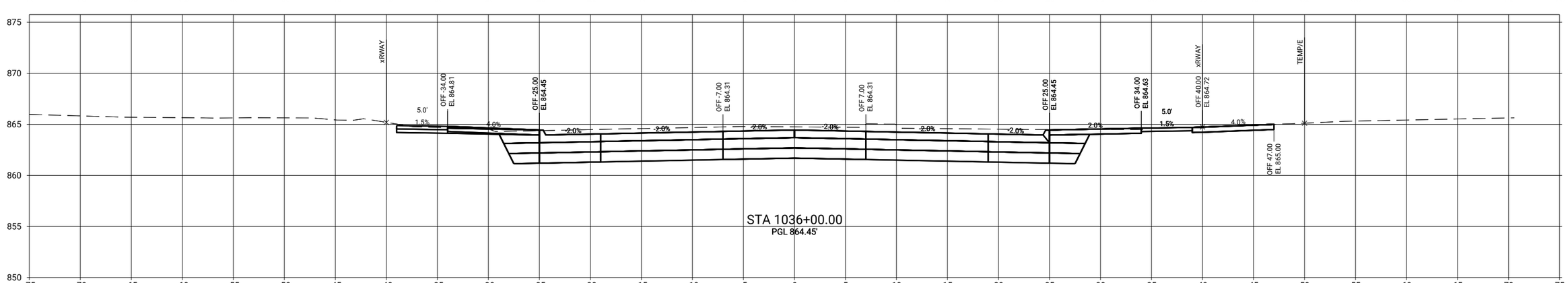

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.48
STBG-SWAP-1185(657

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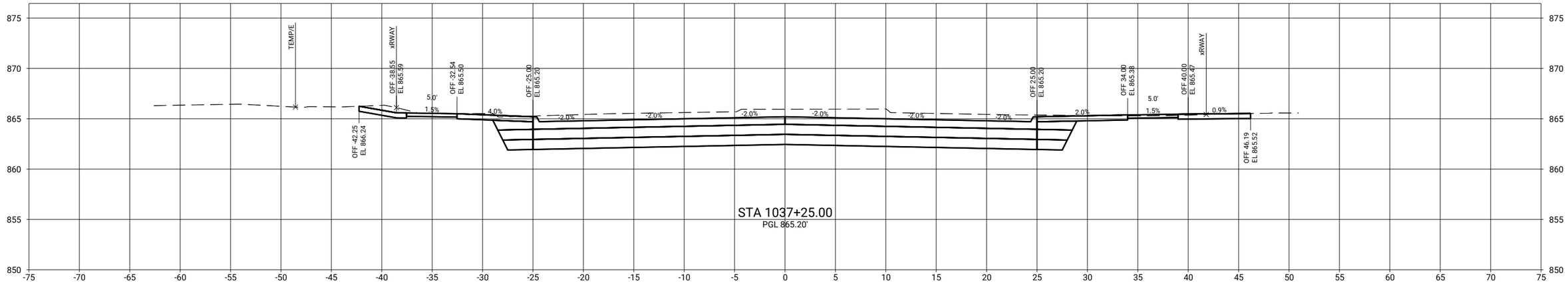

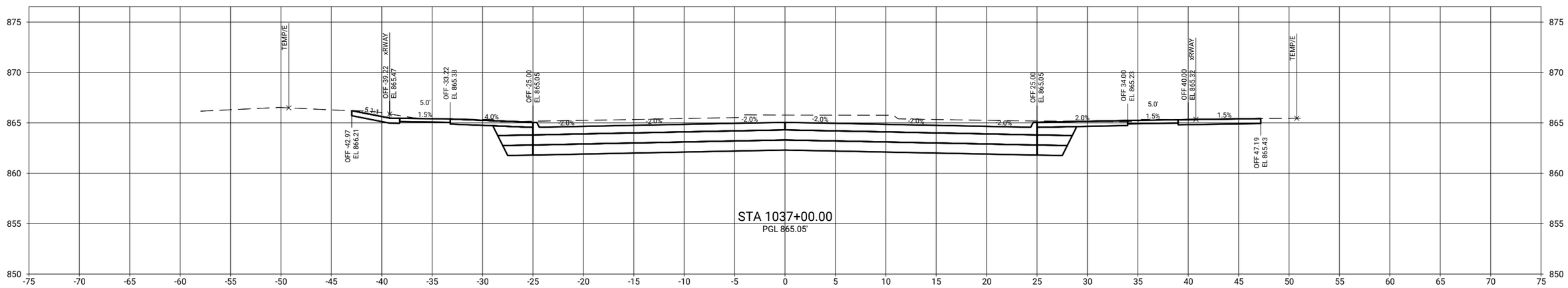

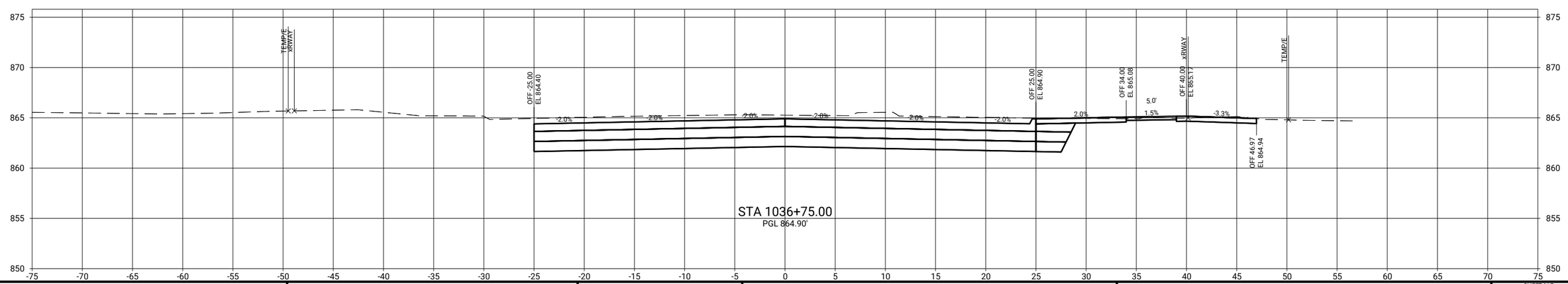

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
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LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 6:28:10 AM
CAD FILE: c:\pw_workdir\pw_ie\ttl\d0518375\0021C017.02_W02_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.49

STBG-SWAP-1185(657

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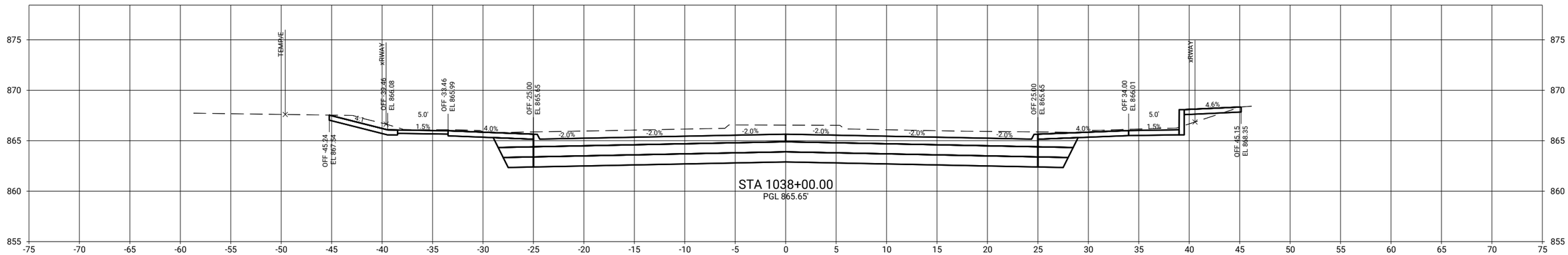

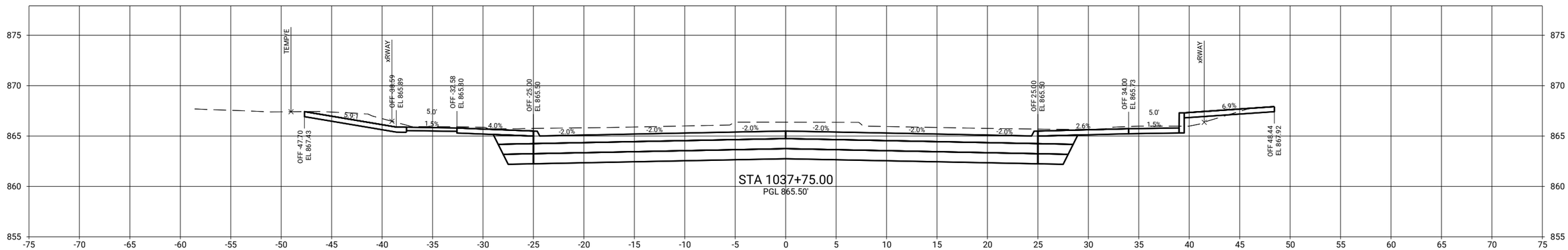

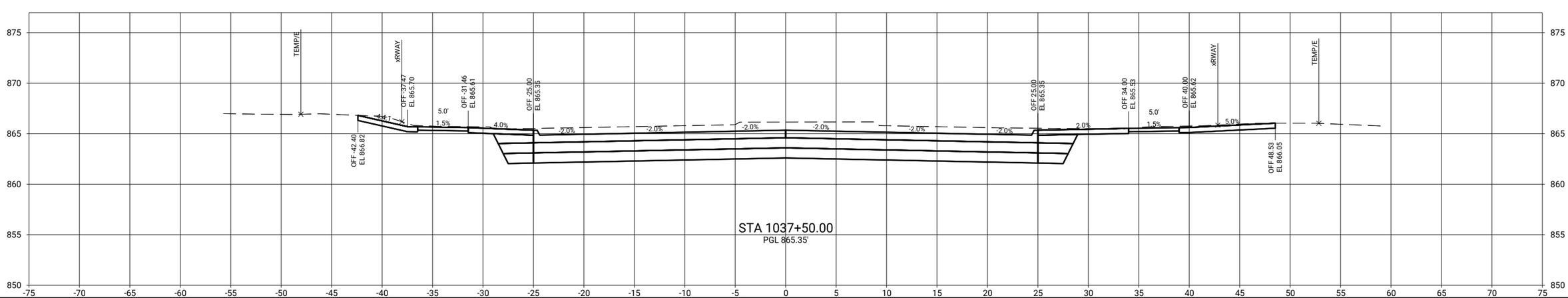

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07	FOTH PROJECT NO: 0021C017.02		
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LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022	6:28:14 AM	
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.50
STBG-SWAP-1185(657

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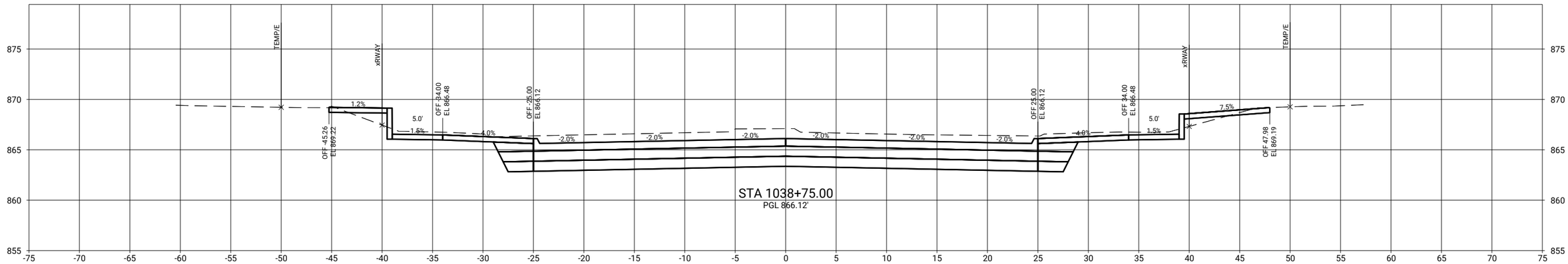

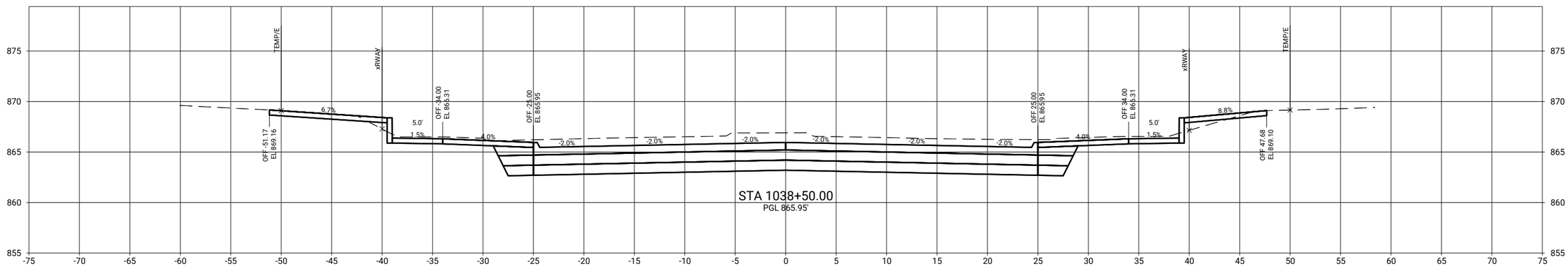

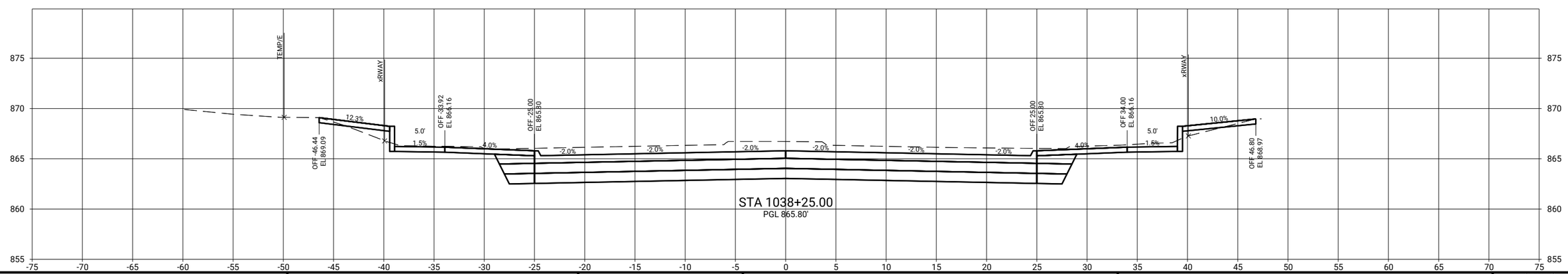

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: T. LECLAIR CHECKED BY: C. CARPER DRAWN BY: T. LECLAIR
LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 6:28:18 AM
CAD FILE: c:\pw_workdir\pw_ie\ttlid05183375\0021C017.02_W02_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.51
STBG-SWAP-1185(657

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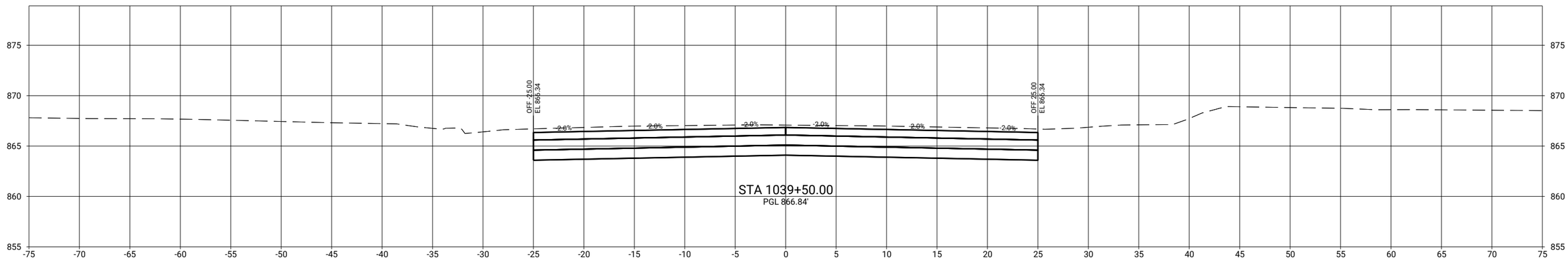

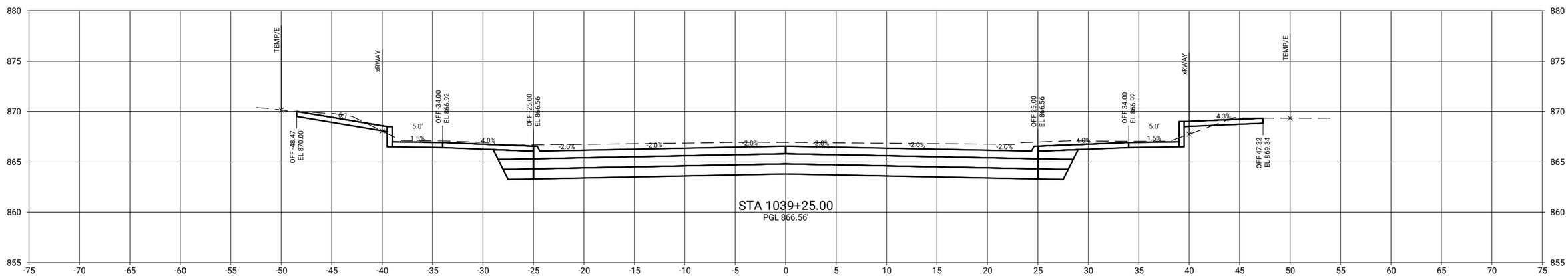

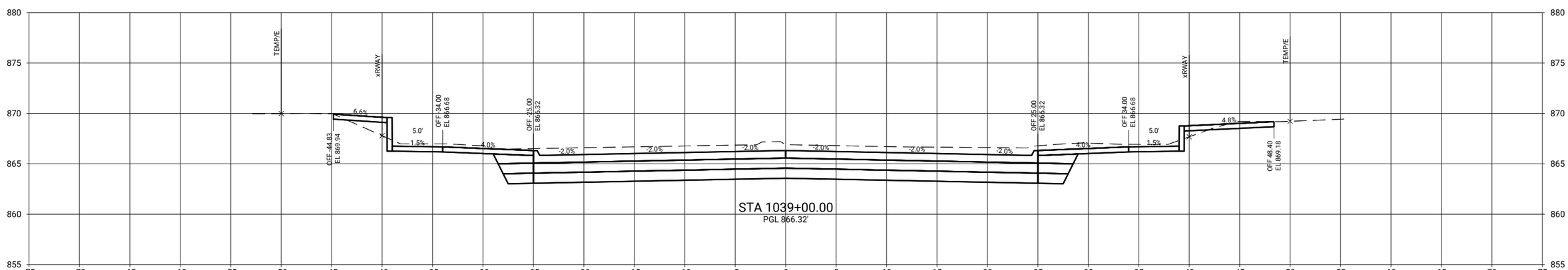

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
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LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 6:28:21 AM
CAD FILE: c:\pw_workdir\pw_ie\ttl\d0518375\0021C017.02_W02_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.52

STBG-SWAP-1185(657

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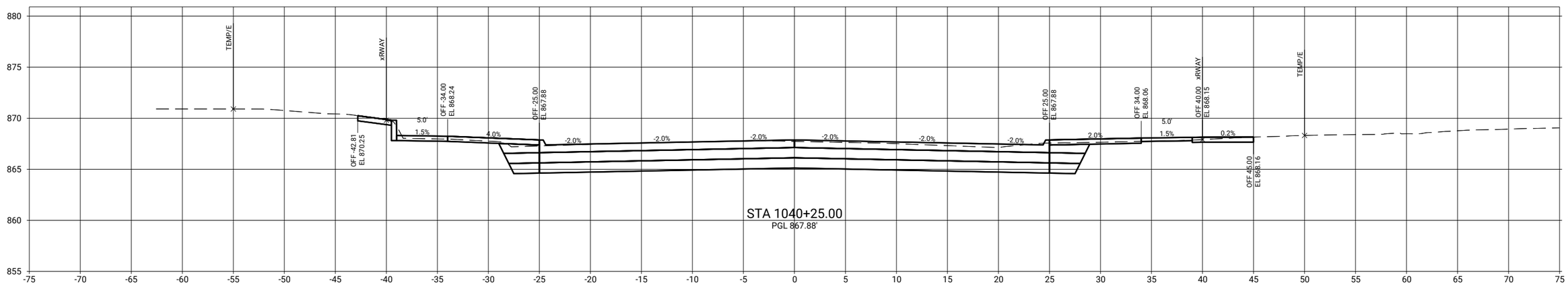

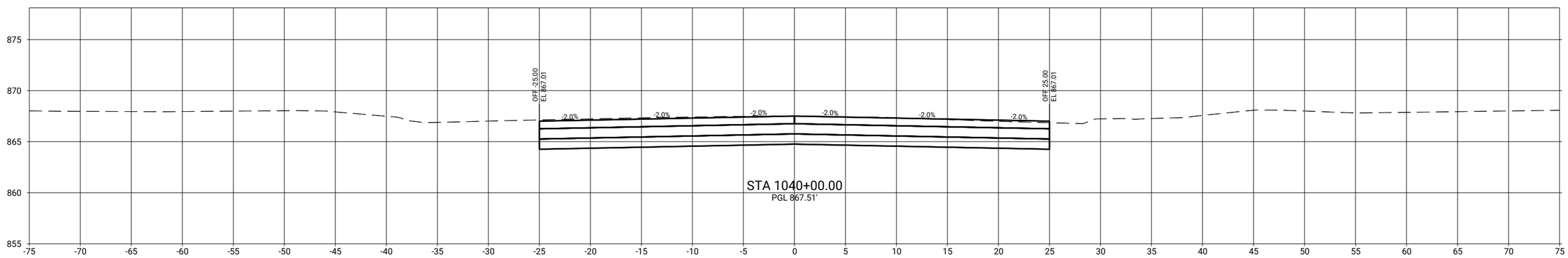

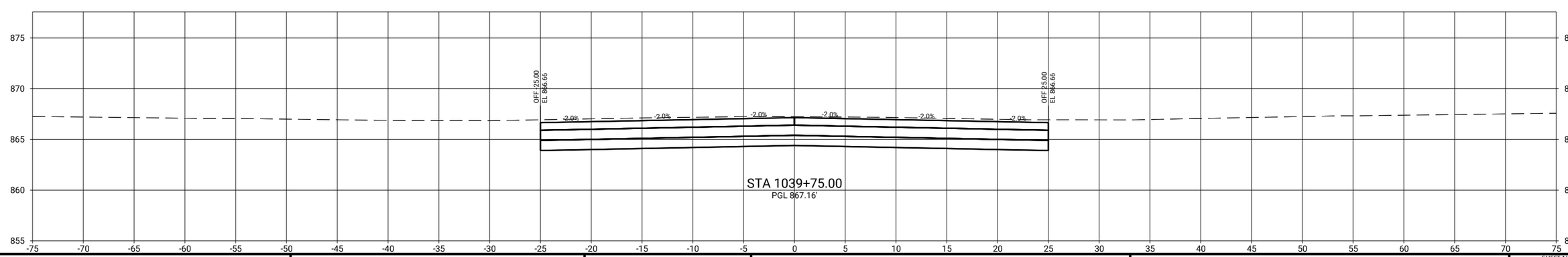

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
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LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 6:28:25 AM
CAD FILE: c:\pw_workdir\pw_ie\ttl\d0518375\0021C017.02_W02_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

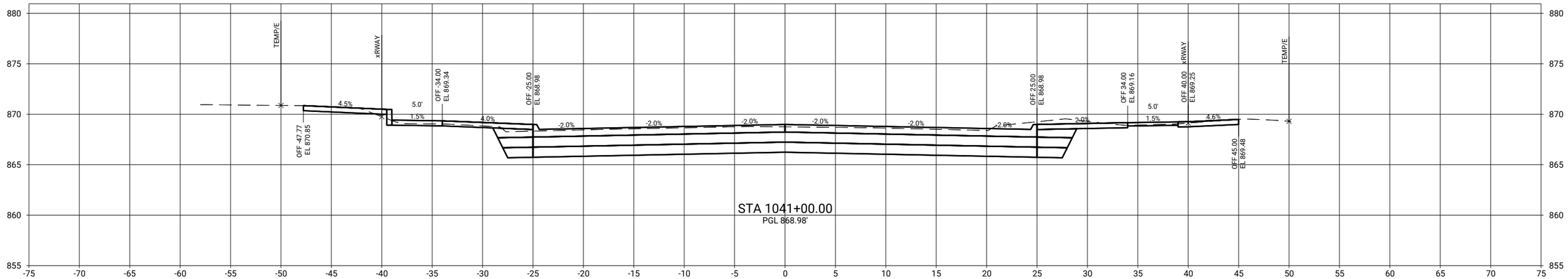
Foth

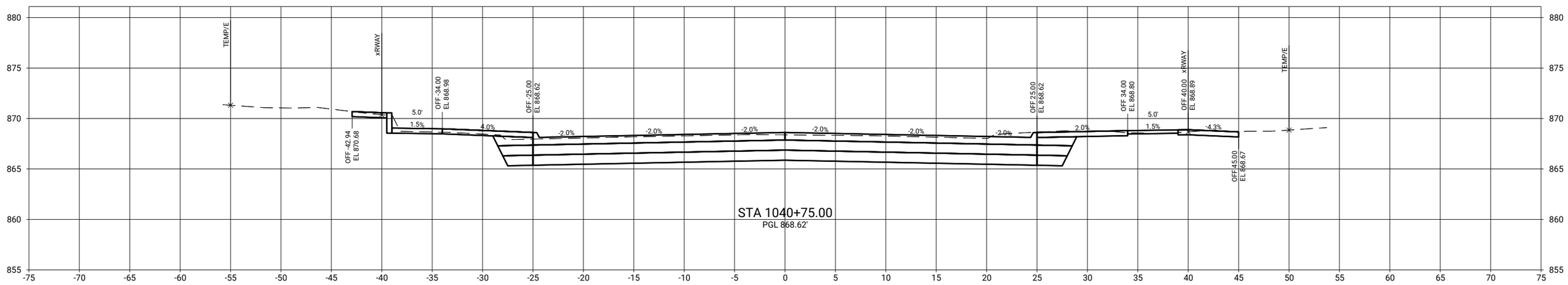
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

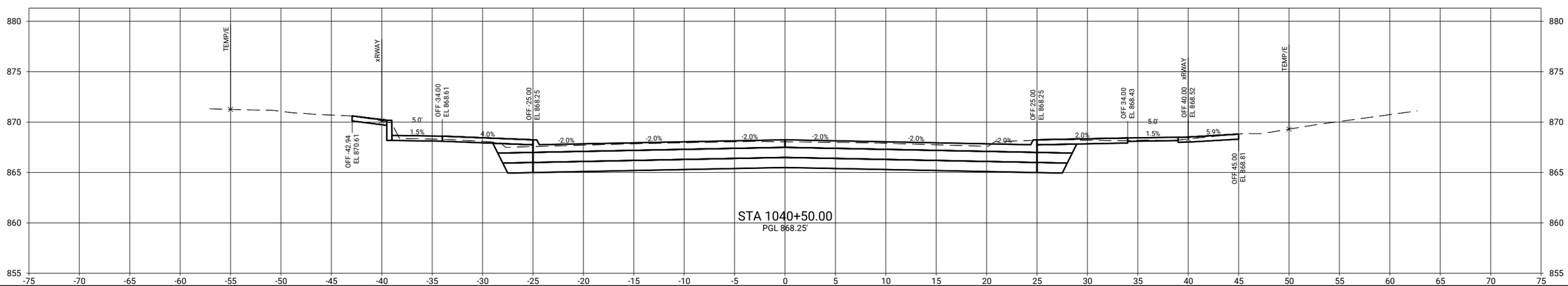
MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.53
STBG-SWAP-1185(657

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Falls IA C/Main Street Reconstruction/CAD/Plans/0021C017.02_W02_SHT







CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: T. LECLAIR	CHECKED BY: C. CARPER	DRAWN BY: T. LECLAIR	
LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022	6:28:29 AM	
CAD FILE: c:\pw_workdir\pw_ie\ttli\d0518375\0021C017.02_W02_SHT.dgn			

NO	DATE	BY	REVISION DESCRIPTION

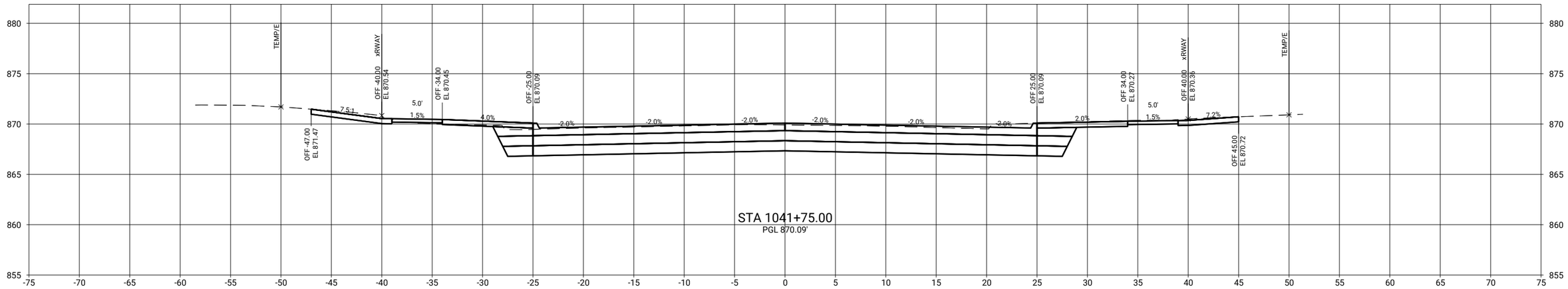
Foth

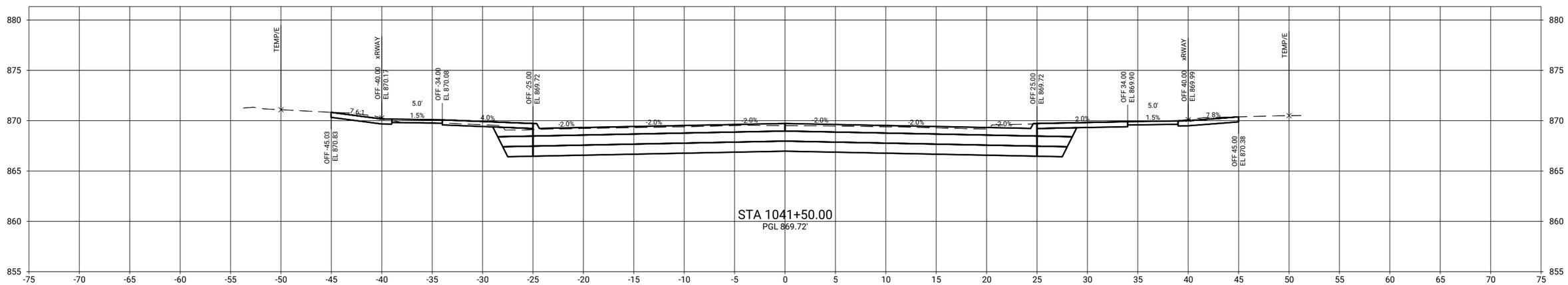
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

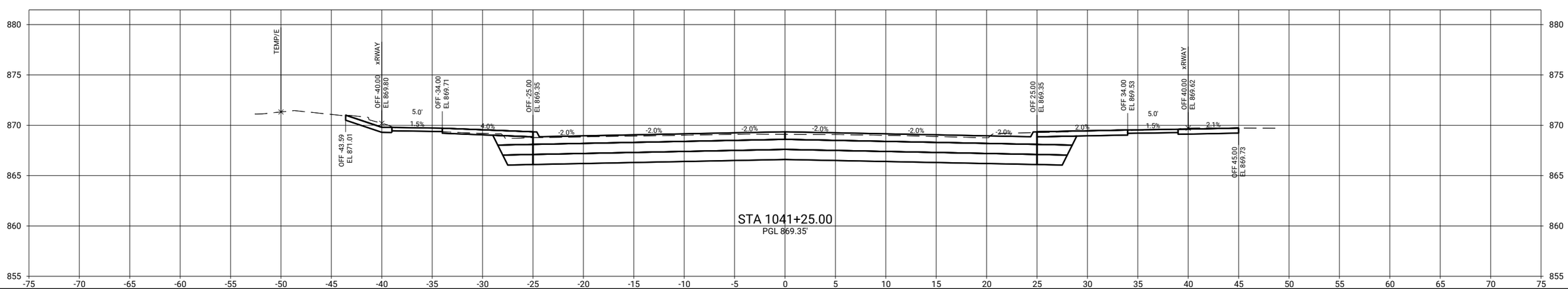
MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.54
STBG-SWAP-1185(657

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Falls IA C\Main Street Reconstruction\CAD\Plans\0021C017.02_W02_SHT







CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022	6:28:33 AM	
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.55

STBG-SWAP-1185(657

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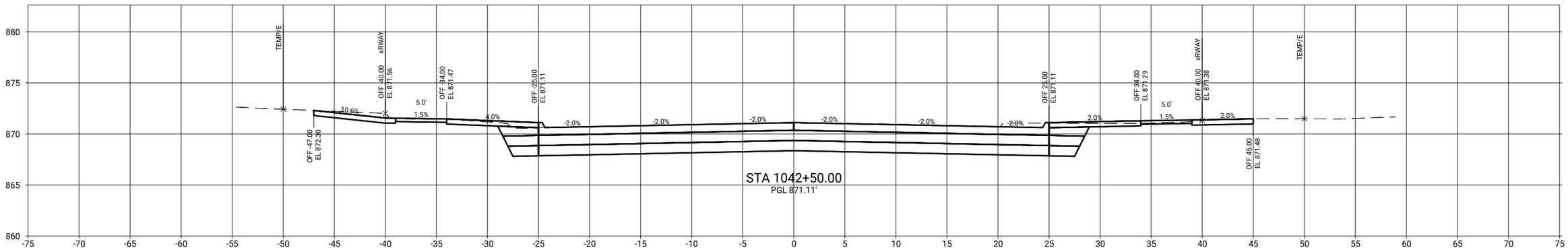

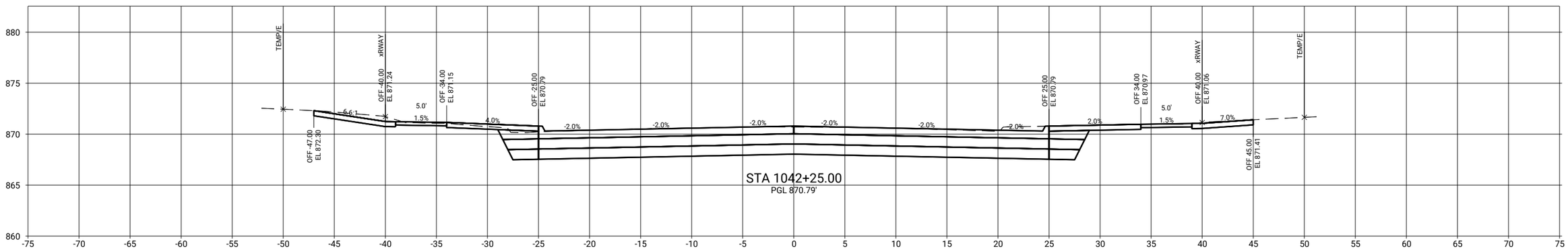

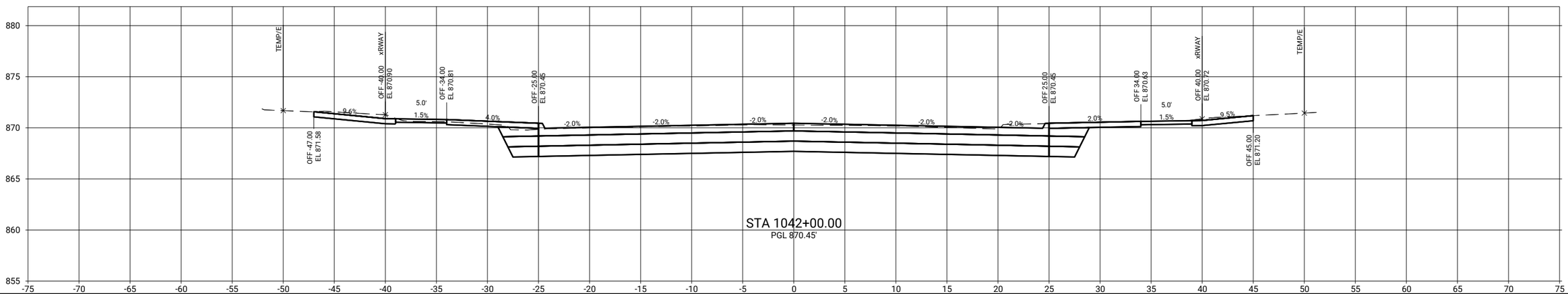

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
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LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 6:28:37 AM
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.56
STBG-SWAP-1185(657

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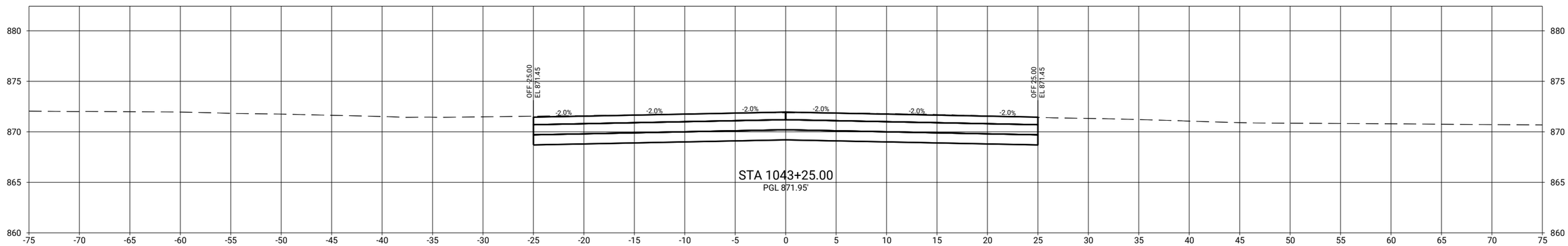

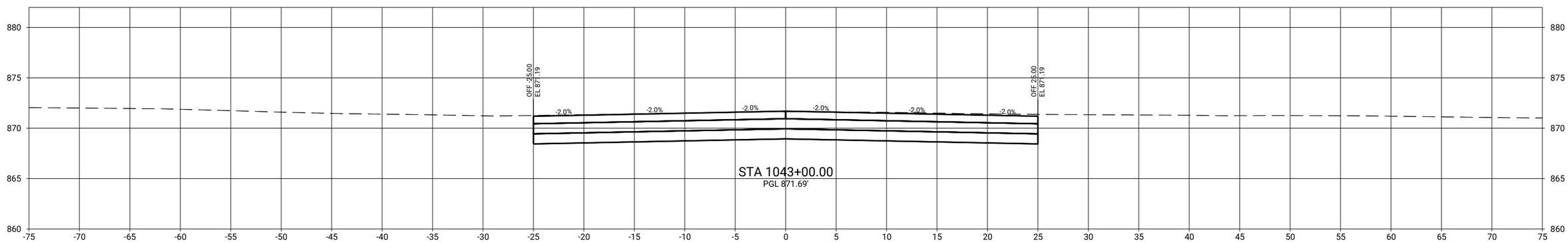

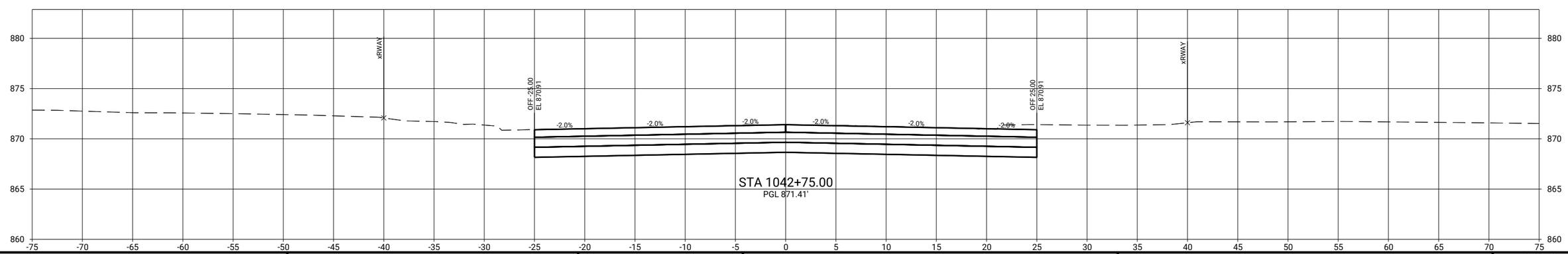

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LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022	6:28:40 AM	
CAD FILE: c:\pw_workdir\pw_ie\ttl\d0518375\0021C017.02_W02_SHT.dgn			

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.57
STBG-SWAP-1185(657

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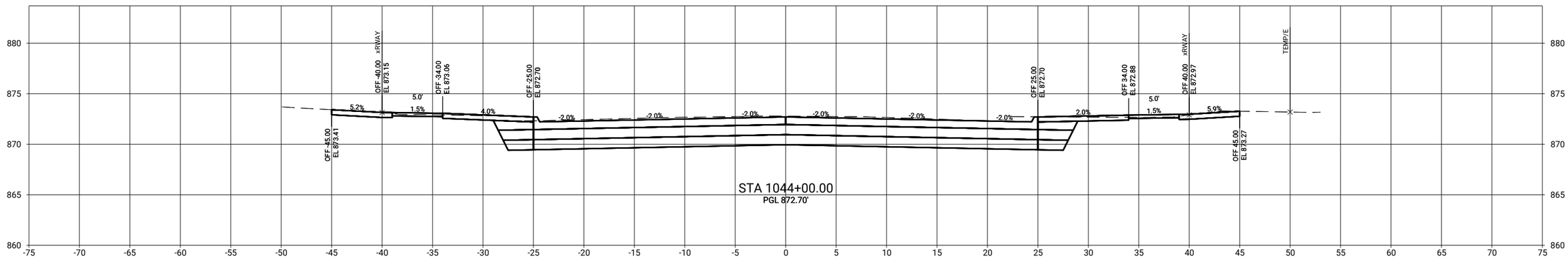

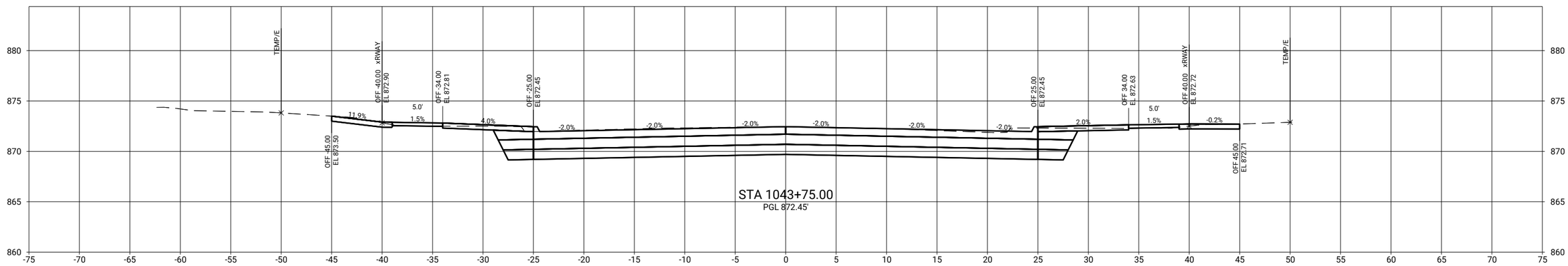

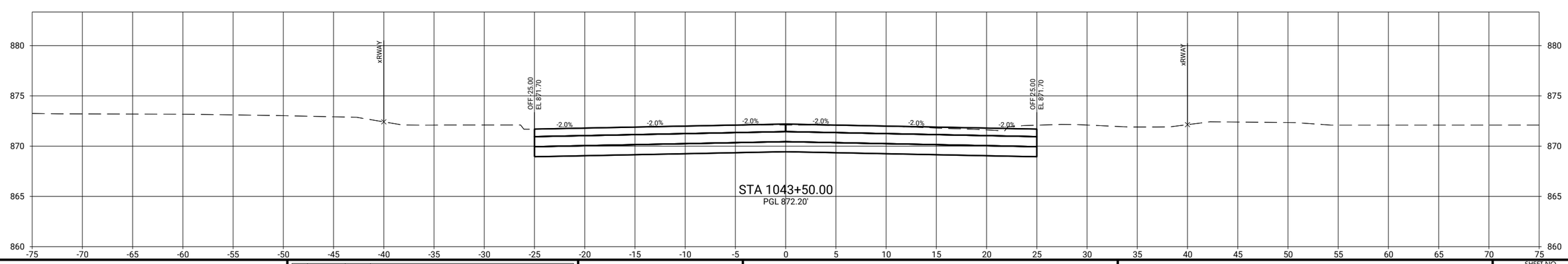

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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
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LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 6:28:45 AM
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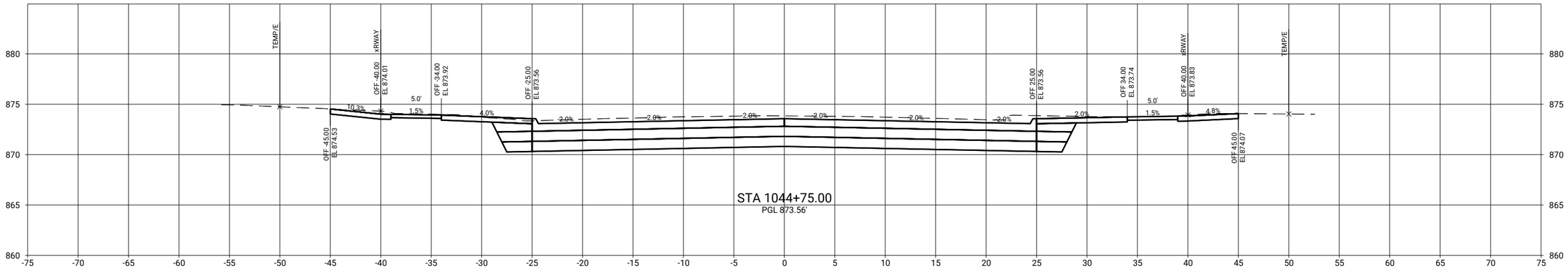
NO	DATE	BY	REVISION DESCRIPTION

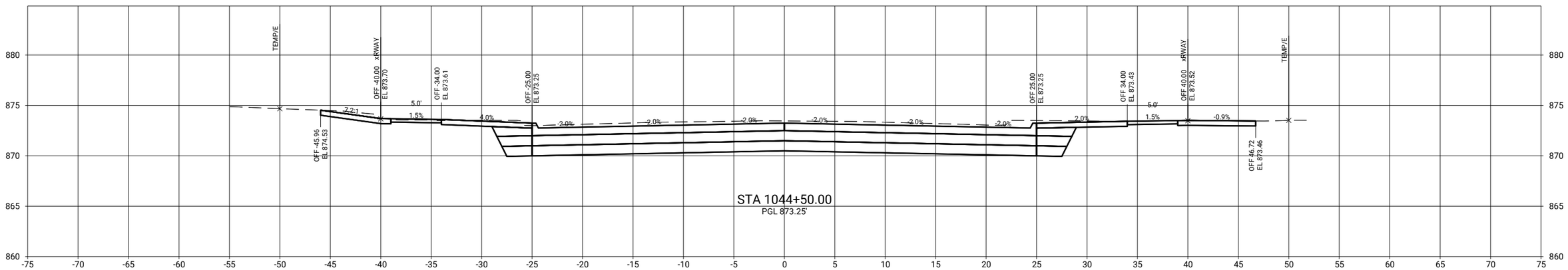
Foth

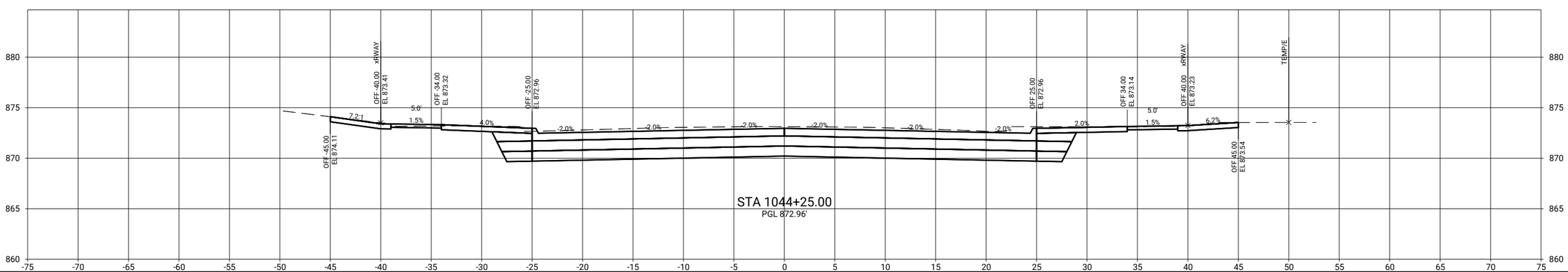
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.58
STBG-SWAP-1185(657







CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
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LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 6:28:48 AM
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.59
STBG-SWAP-1185(657

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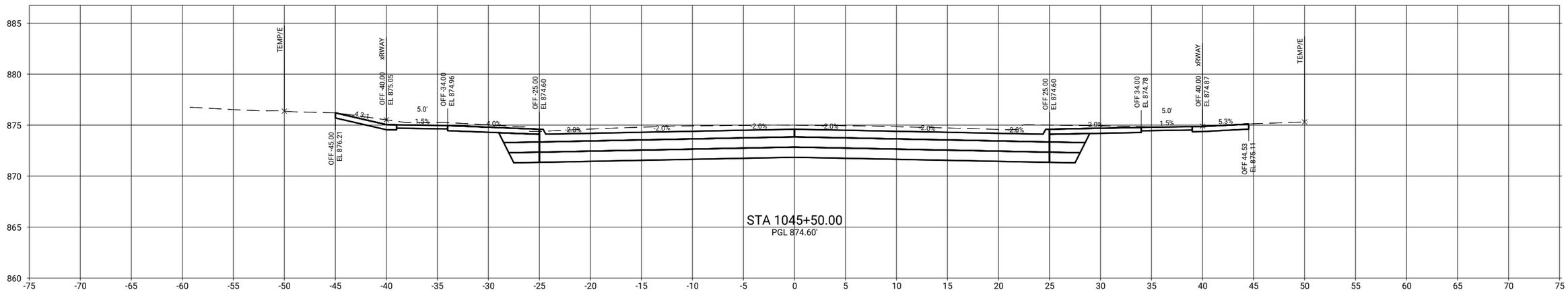

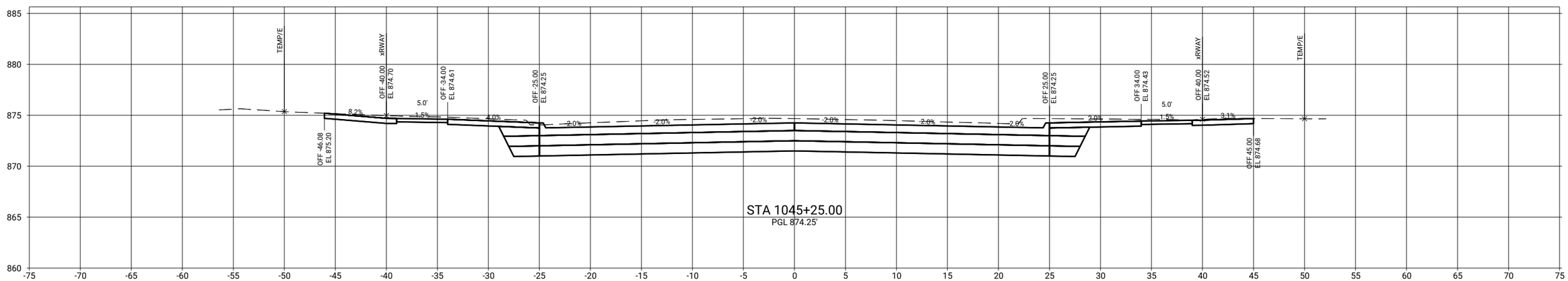

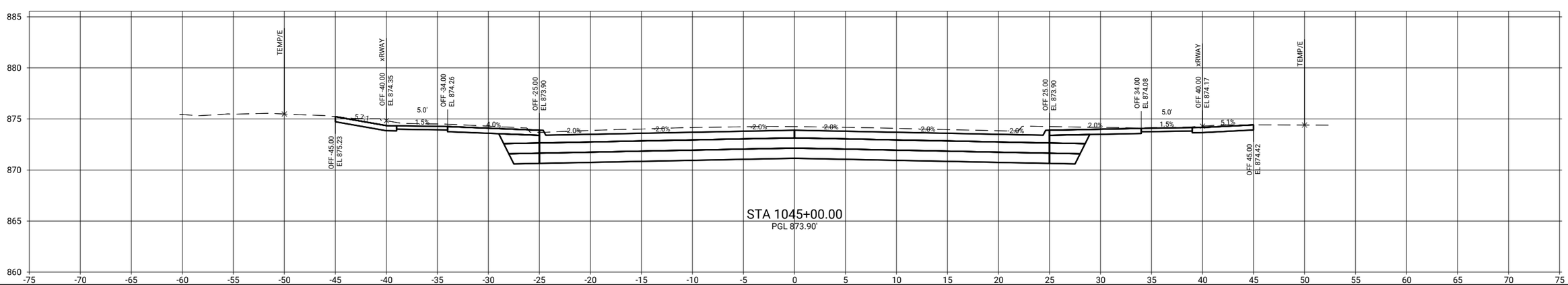

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
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LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 6:28:52 AM
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.60
STBG-SWAP-1185(657

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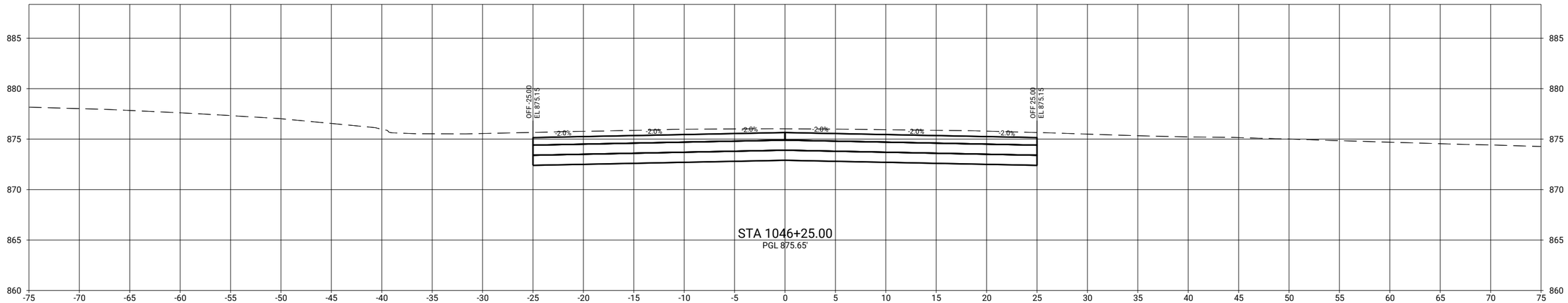

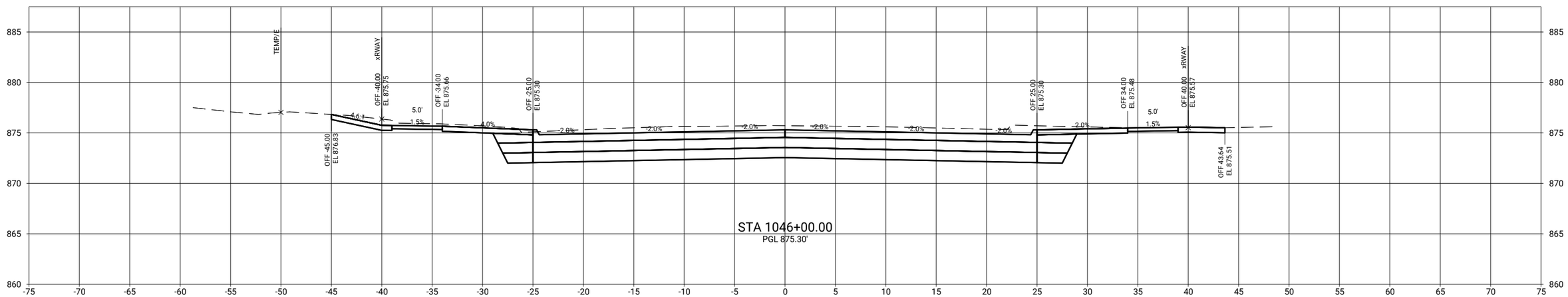

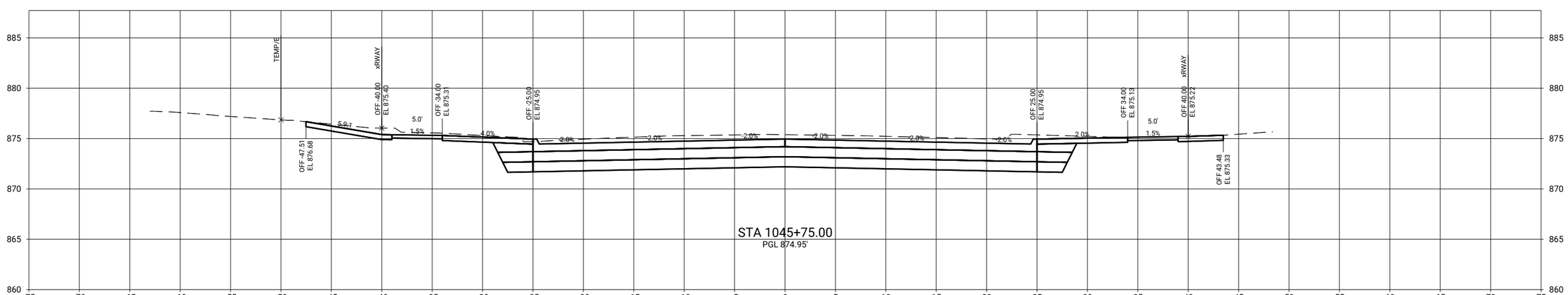

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: T. LECLAIR	CHECKED BY: C. CARPER	DRAWN BY: T. LECLAIR	
LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022	6:29:18 AM	
CAD FILE: c:\pw_workdir\pw_ie\ttl\d0518375\0021C017.02_W02_SHT.dgn			

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.61

STBG-SWAP-1185(657

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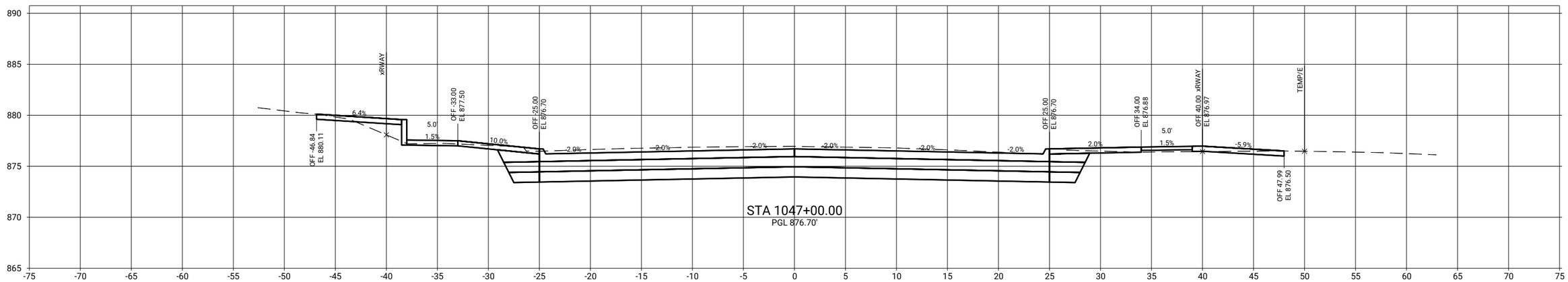

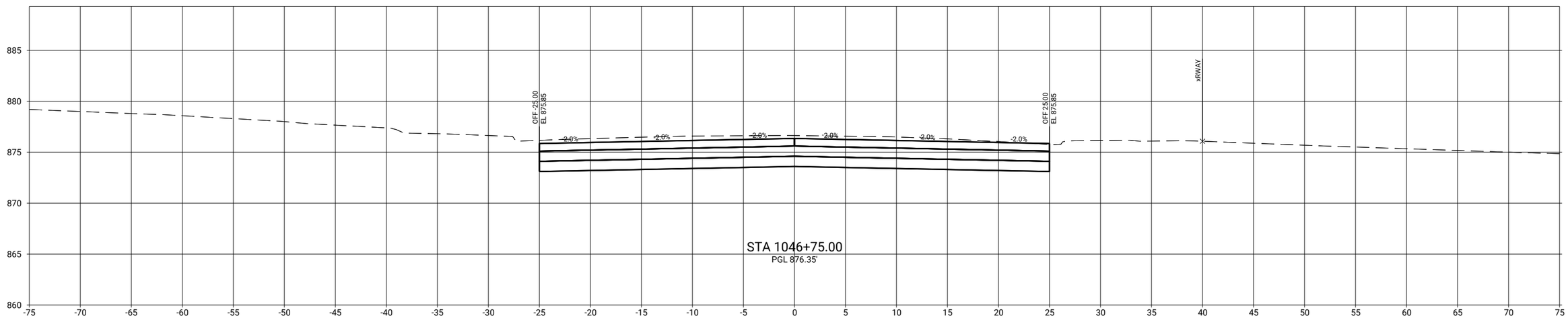

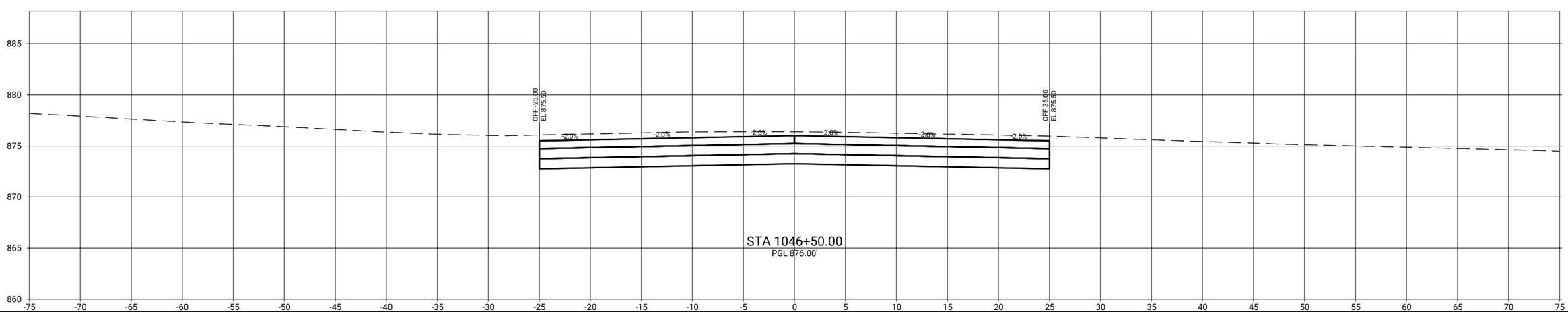

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: T. LECLAIR	CHECKED BY: C. CARPER	DRAWN BY: T. LECLAIR	
LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022	6:29:22 AM	
CAD FILE: c:\pw_workdir\pw_ie\ttl\d0518375\0021C017.02_W02_SHT.dgn			

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.62

STBG-SWAP-1185(657

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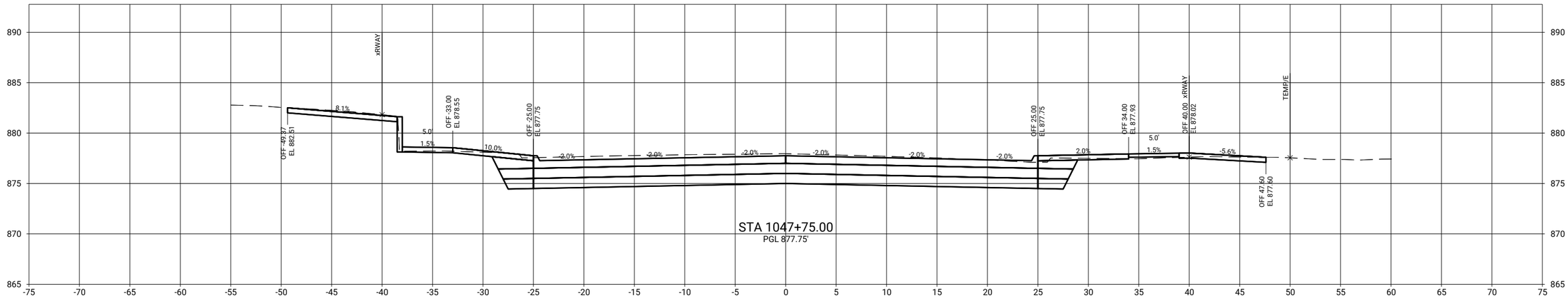

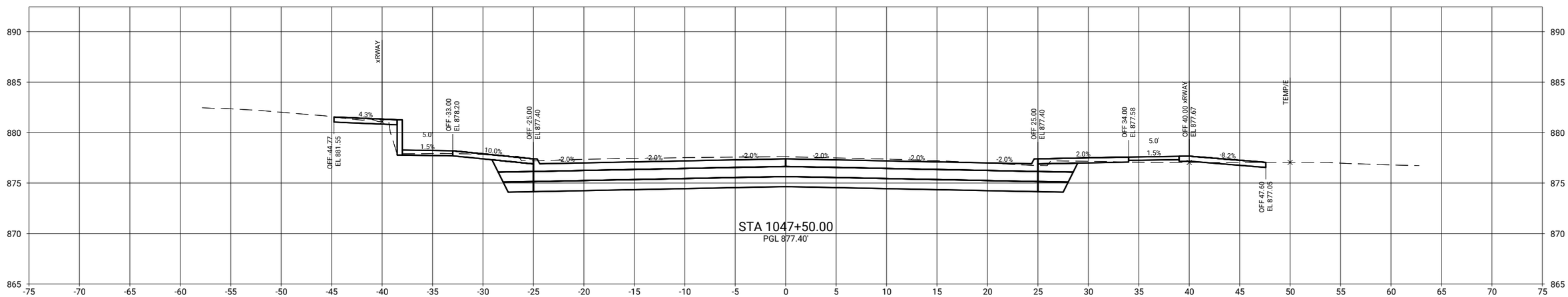

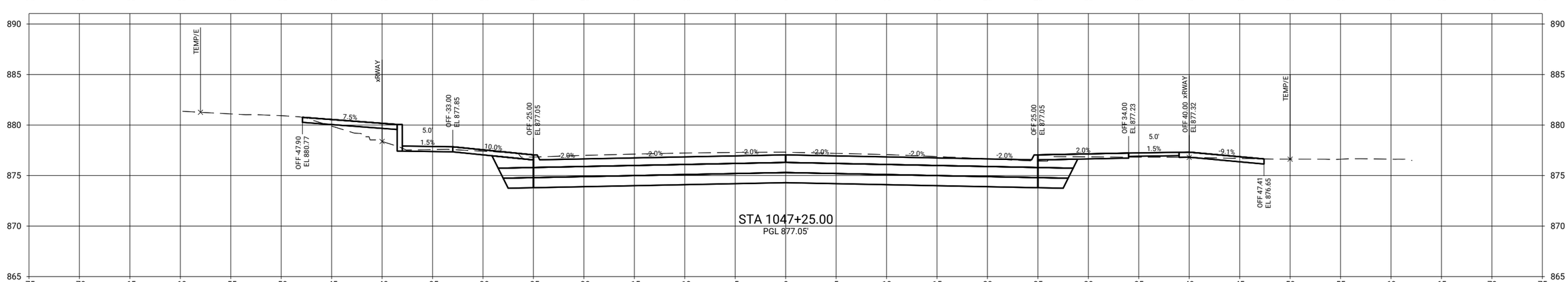

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07	FOTH PROJECT NO: 0021C017.02		
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CAD FILE: c:\pw_workdir\pw_ie\ttli\d0518375\0021C017.02_W02_SHT.dgn			

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.63

STBG-SWAP-1185(657

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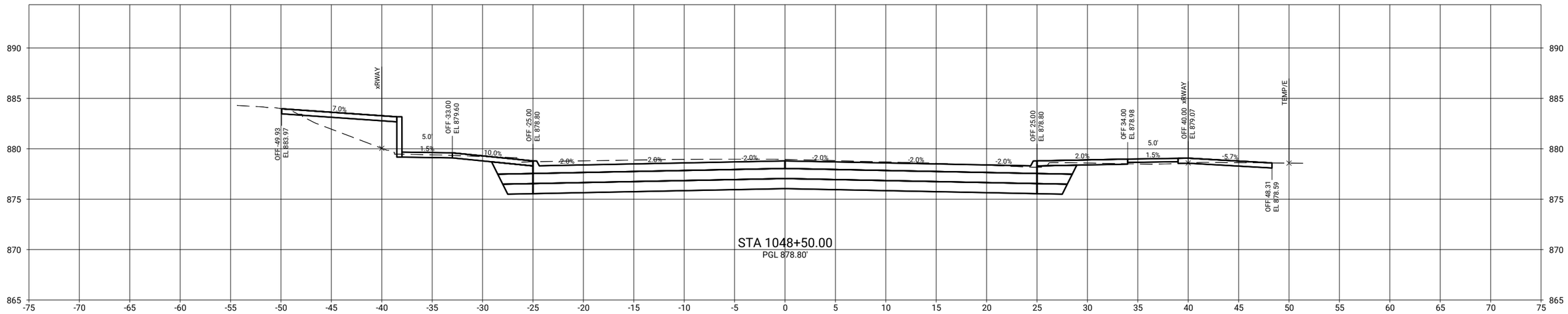

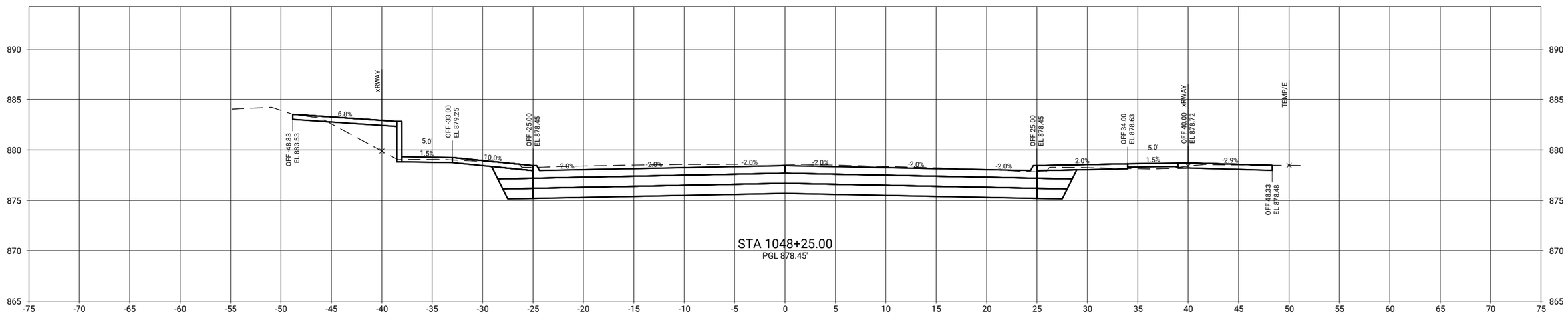

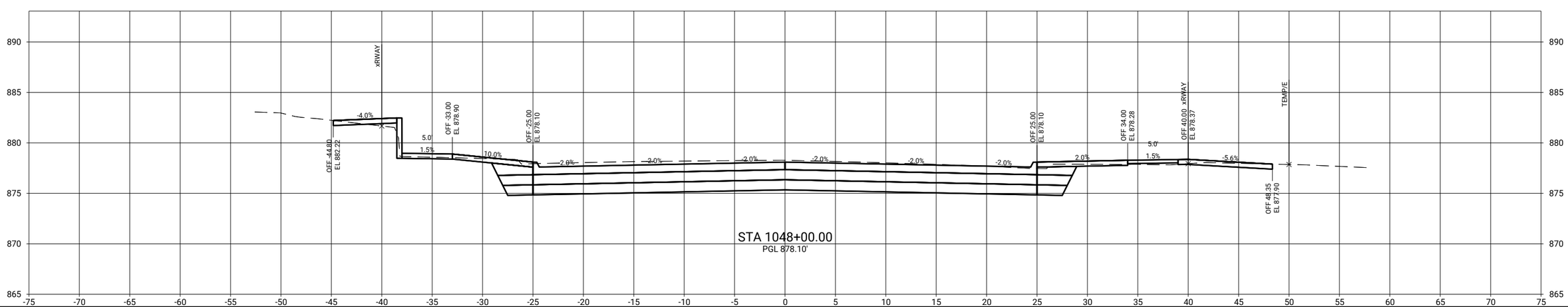

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.64

STBG-SWAP-1185(657

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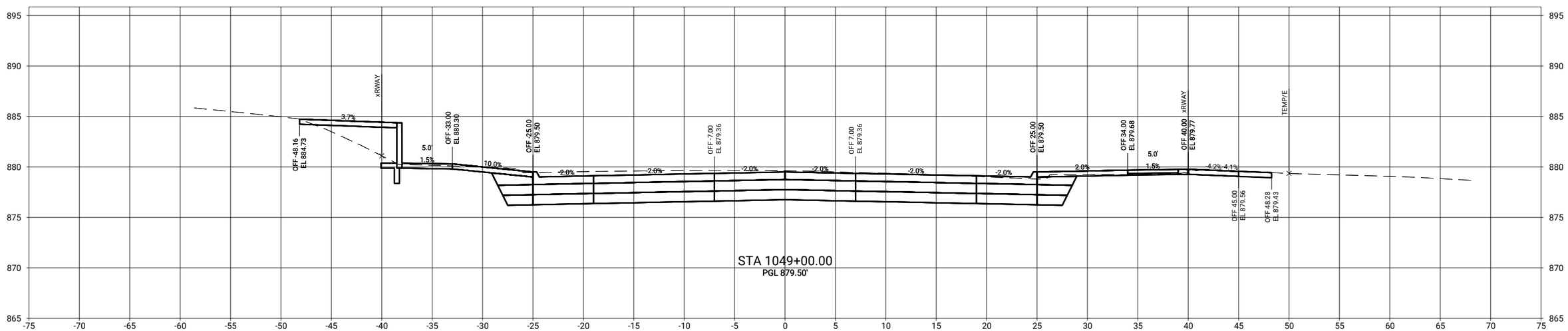

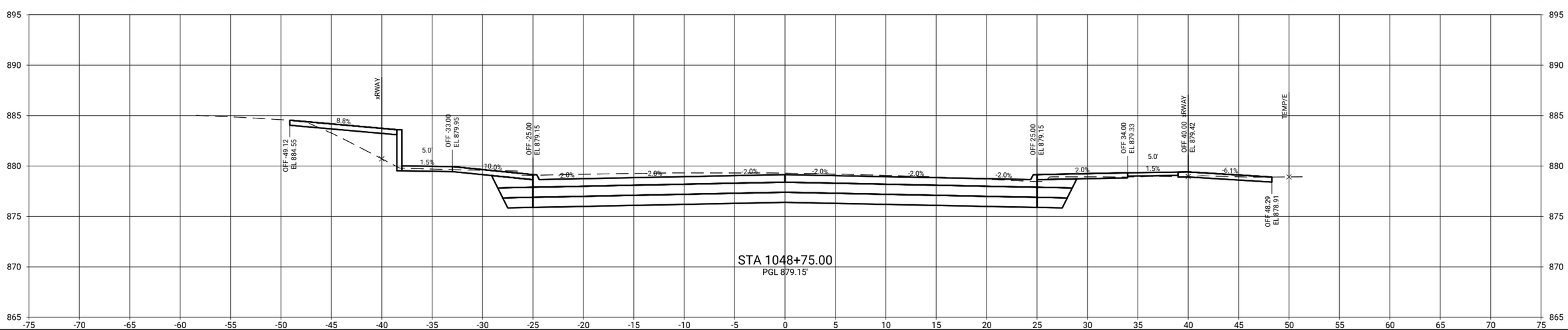

CLIENT PROJECT NO:	STBG-SWAP-1185(657)--SG-07
FOTH PROJECT NO:	0021C017.02
DESIGNED BY:	T. LECLAIR
CHECKED BY:	C. CARPER
DRAWN BY:	T. LECLAIR
LETTING DATE:	11/15/2022
CAD DATE:	9/1/2022 6:29:34 AM
CAD FILE:	c:\pw_workdir\pw_ie\ttl\d0518375\0021C017.02_W02_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.65

STBG-SWAP-1185(657

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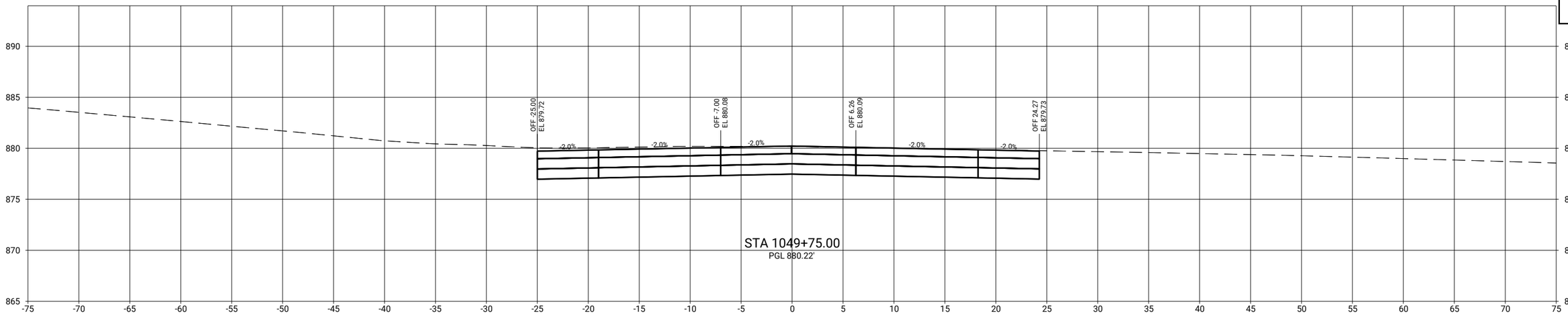

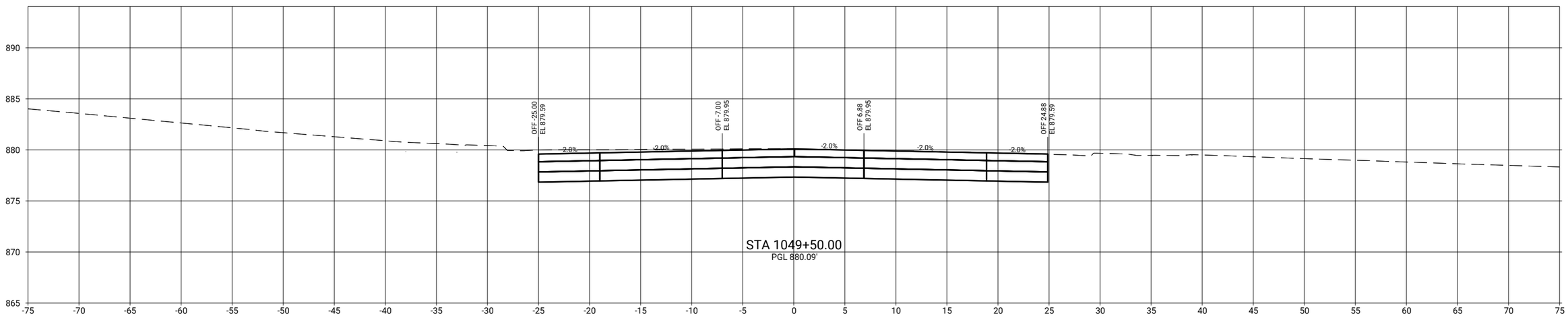

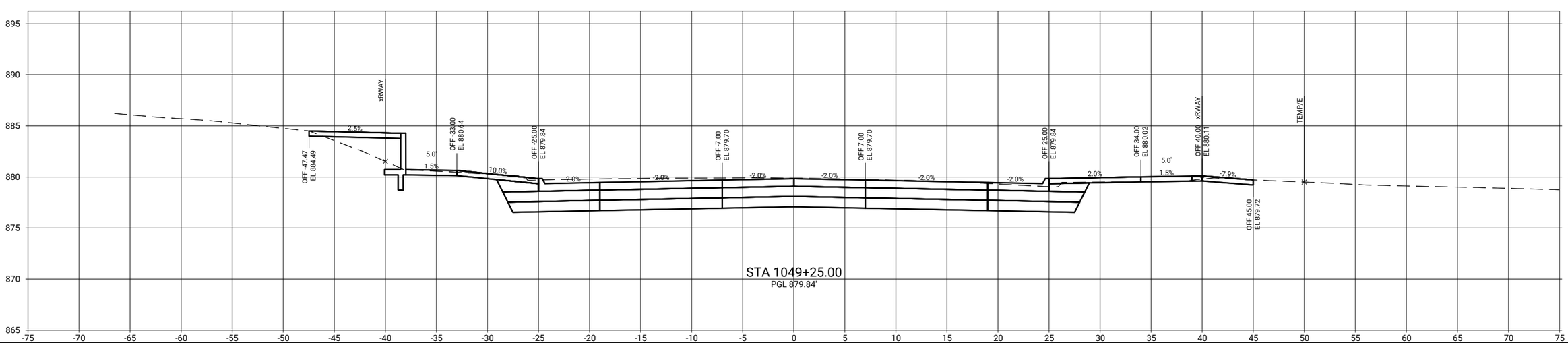

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: T. LECLAIR CHECKED BY: C. CARPER DRAWN BY: T. LECLAIR
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.66
STBG-SWAP-1185(657

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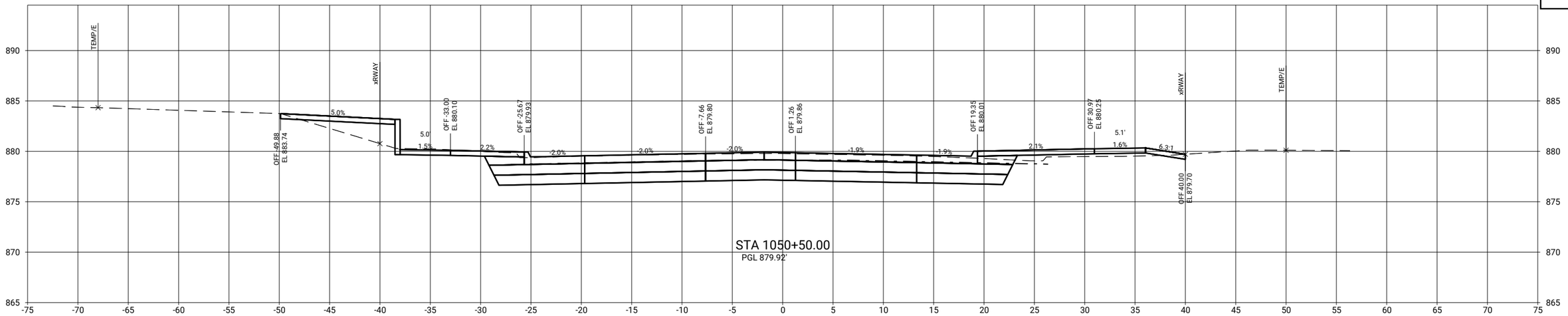
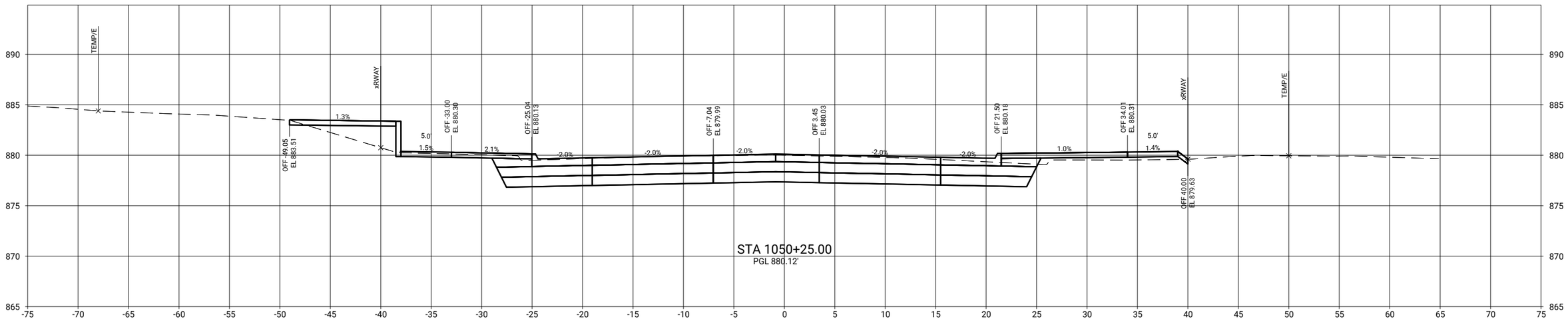
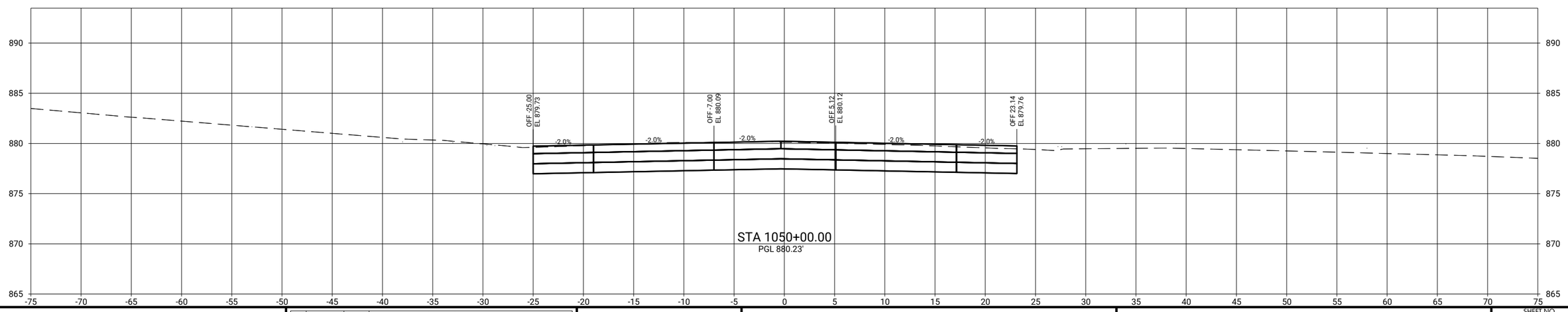






CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: T. LECLAIR CHECKED BY: C. CARPER DRAWN BY: T. LECLAIR
LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 6:41:04 AM
CAD FILE: c:\pw_workdir\pw_ie\ttli\d0518375\0021C017.02_W02_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

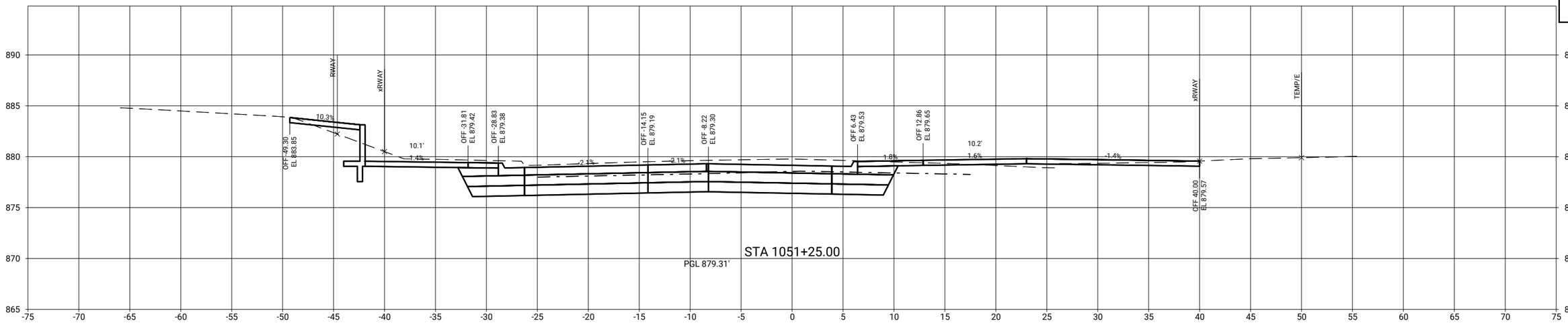
Foth

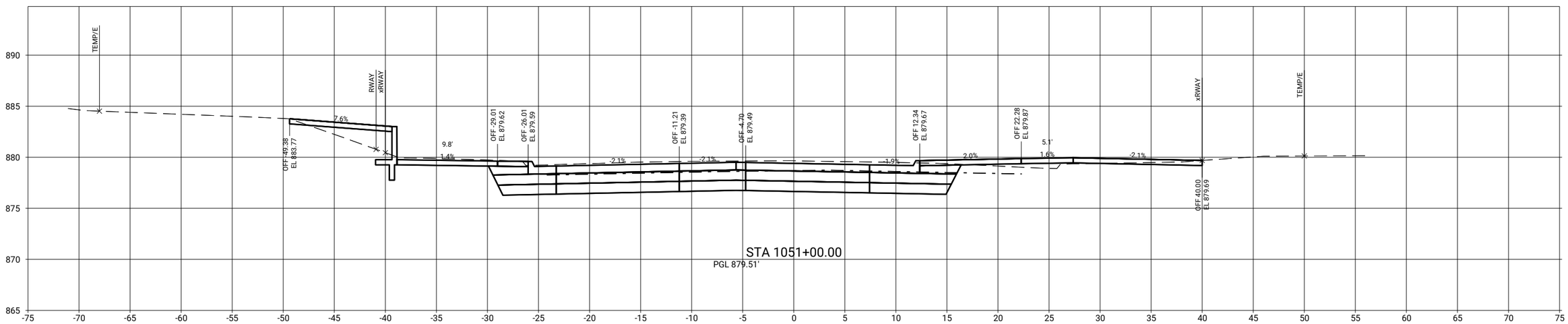
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

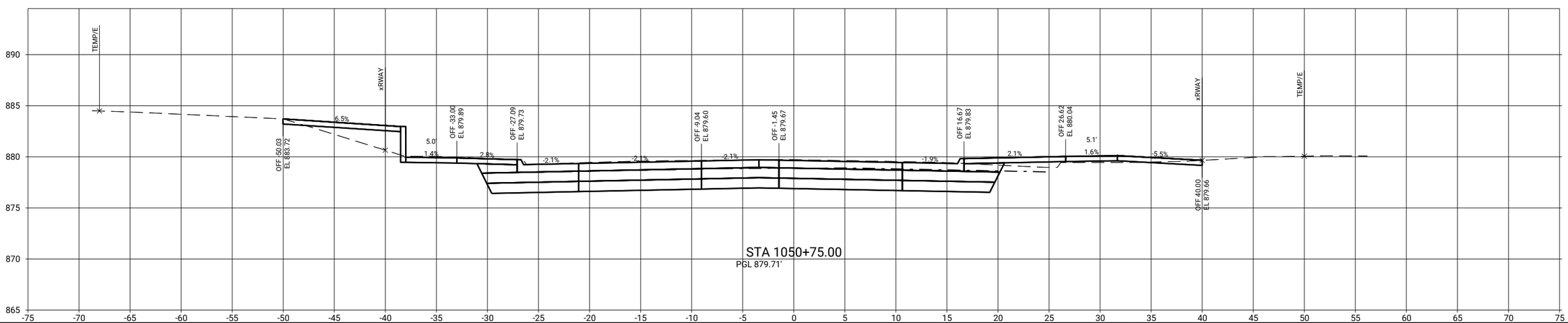
MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.67
STBG-SWAP-1185(657

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Falls IA C\Main Street Reconstruction\CAD\Plans\0021C017.02_W02_SHT







CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.68
STBG-SWAP-1185(657

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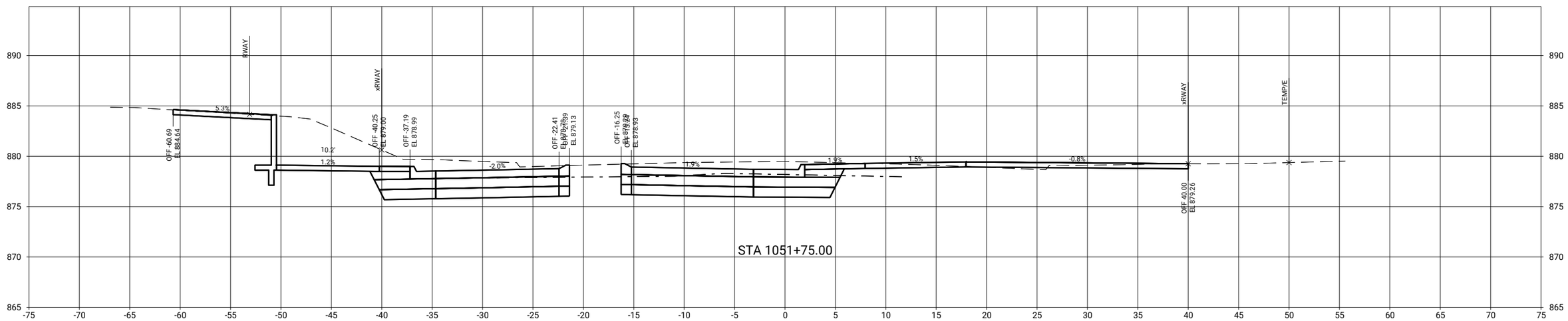

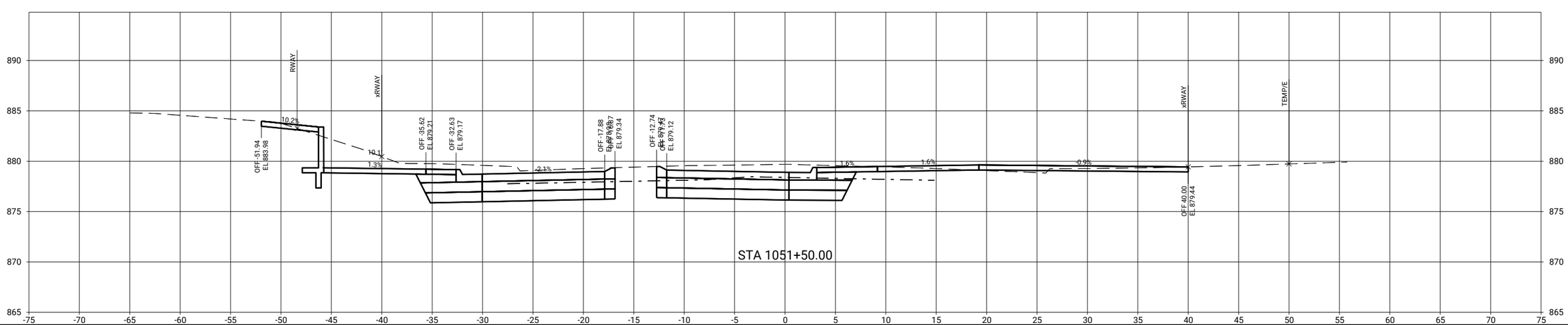

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: T. LECLAIR CHECKED BY: C. CARPER DRAWN BY: T. LECLAIR
LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 6:41:11 AM
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.69
STBG-SWAP-1185(657

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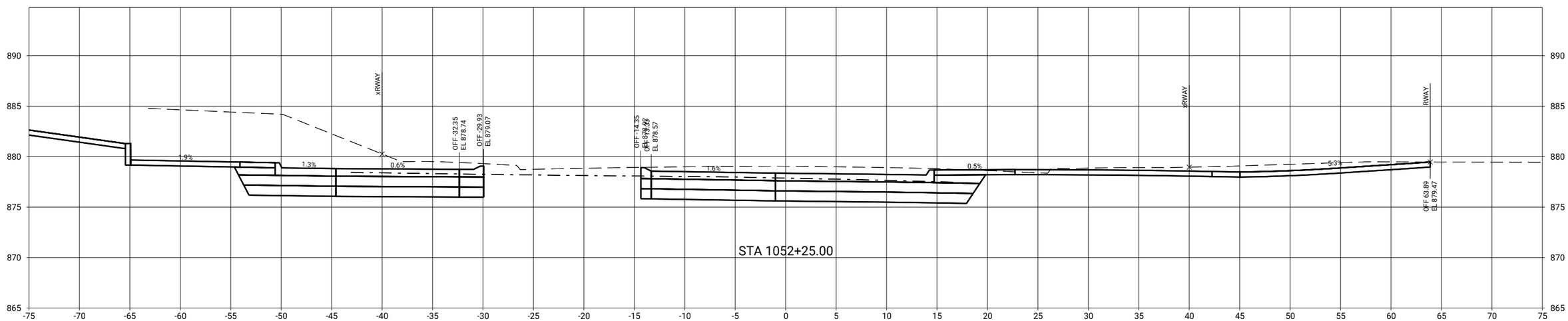

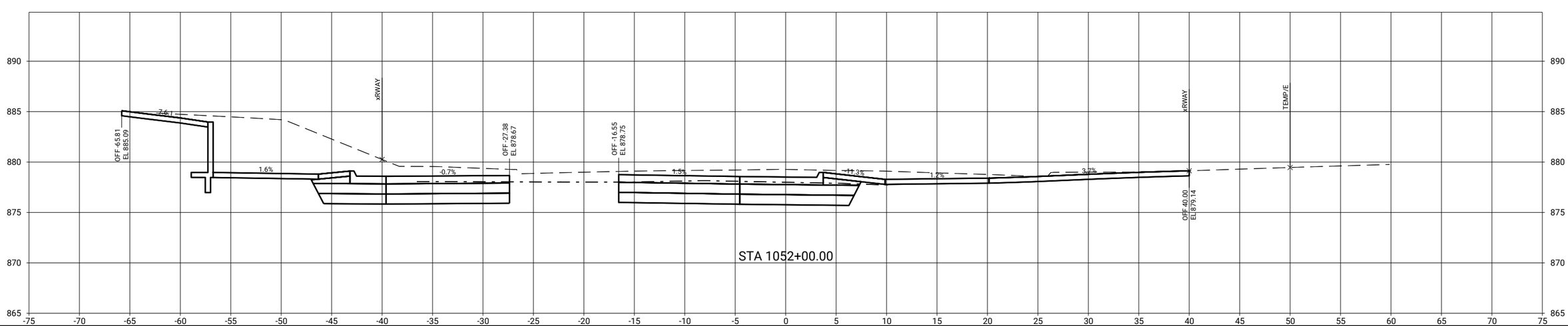

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07	FOTH PROJECT NO: 0021C017.02		
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LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022	6:41:14 AM	
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.70

STBG-SWAP-1185(657

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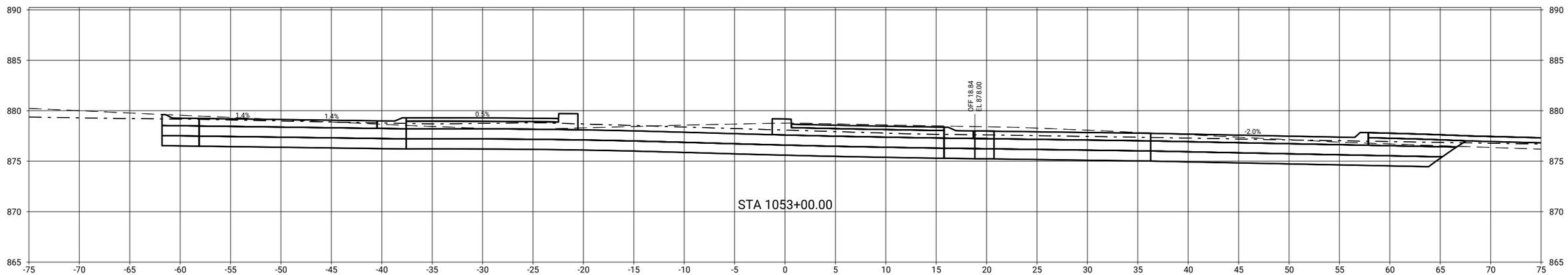

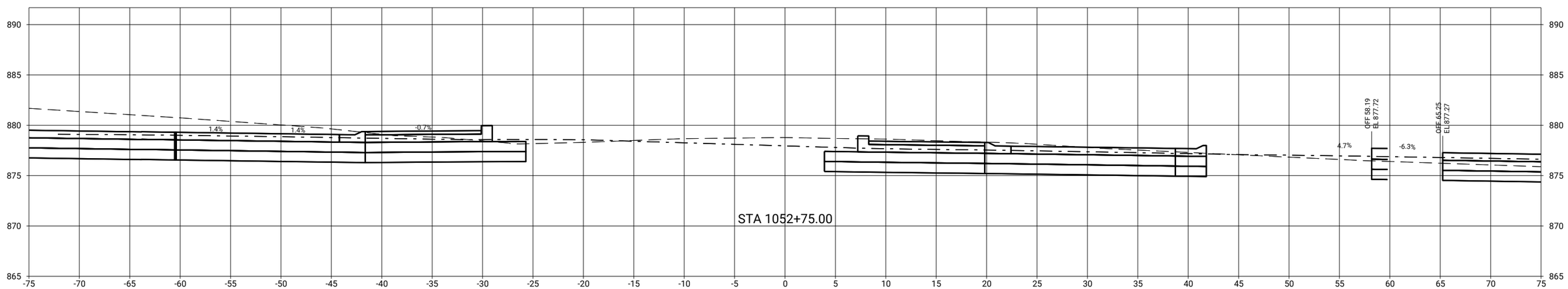

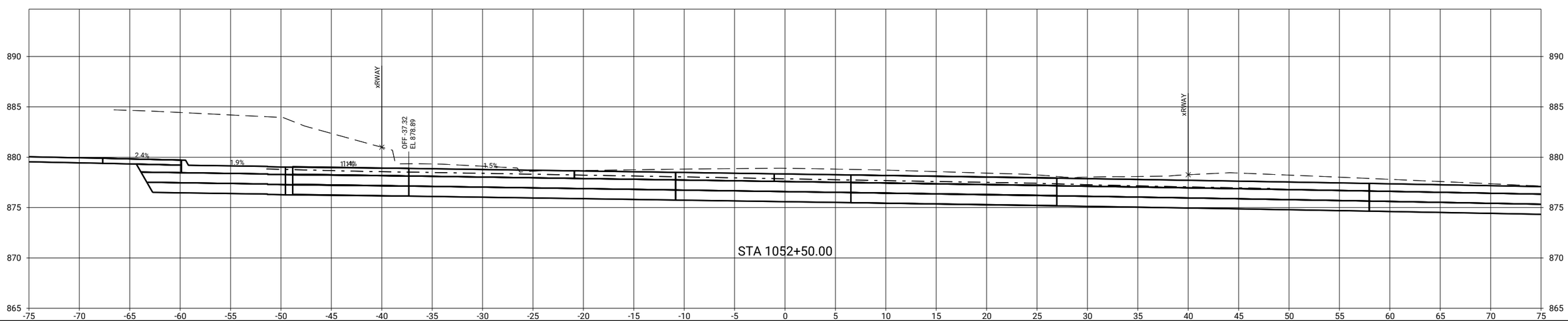

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: T. LECLAIR	CHECKED BY: C. CARPER	DRAWN BY: T. LECLAIR	
LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022	6:41:17 AM	
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.71
STBG-SWAP-1185(657)

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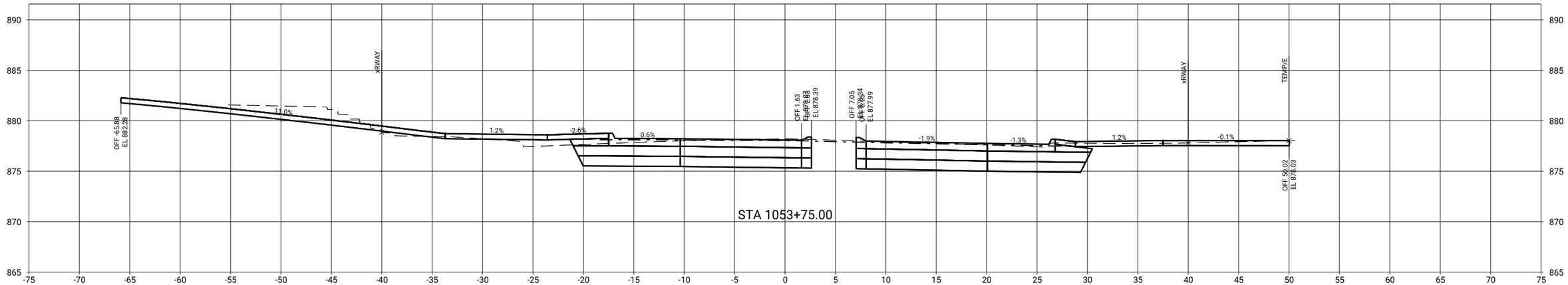

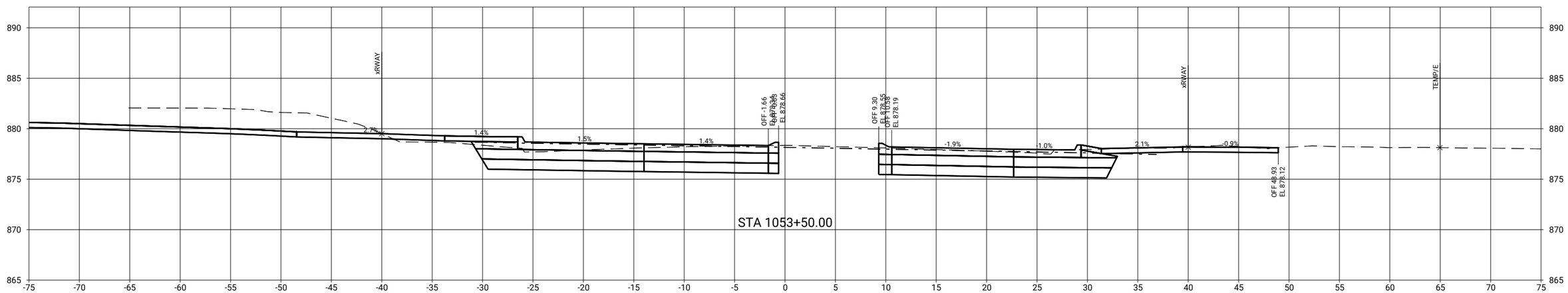

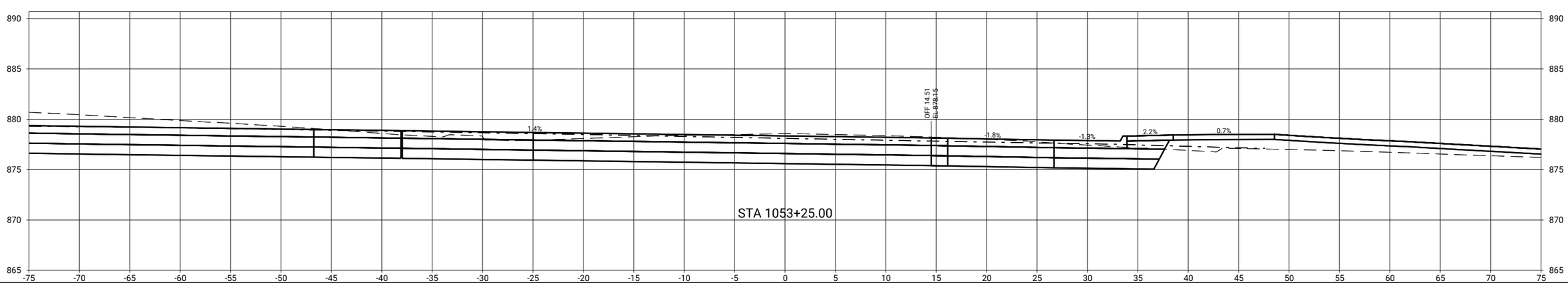

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: T. LECLAIR CHECKED BY: C. CARPER DRAWN BY: T. LECLAIR
LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 6:41:20 AM
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.72
STBG-SWAP-1185(657

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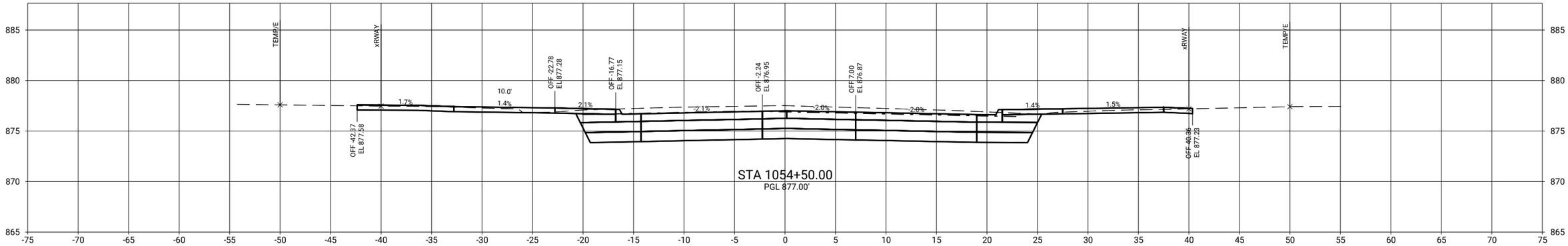

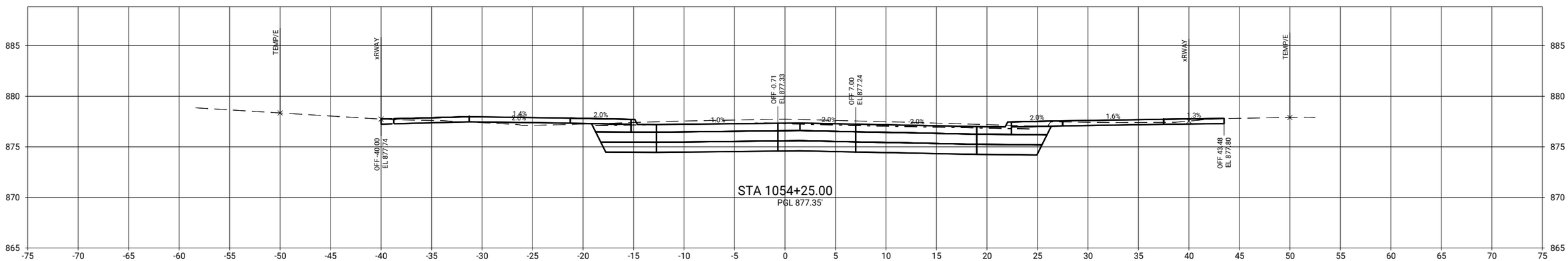

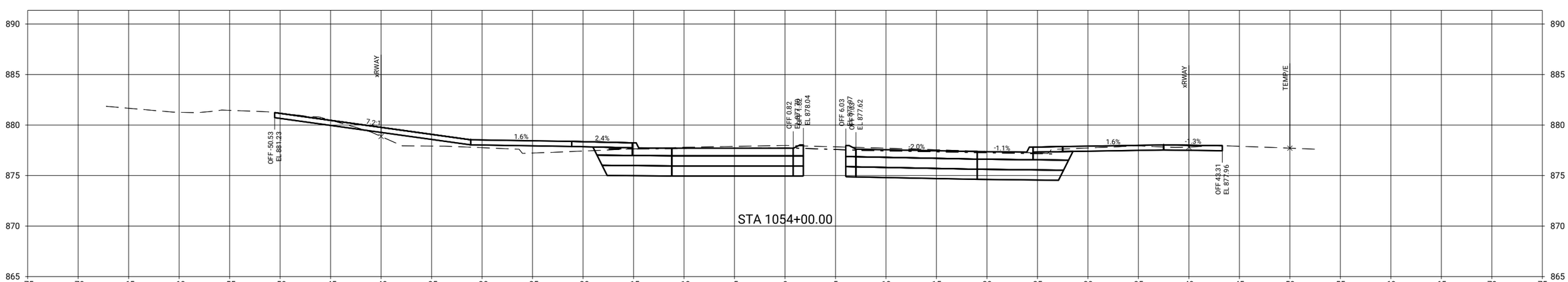

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: T. LECLAIR CHECKED BY: C. CARPER DRAWN BY: T. LECLAIR
LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 6:41:24 AM
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.73
STBG-SWAP-1185(657

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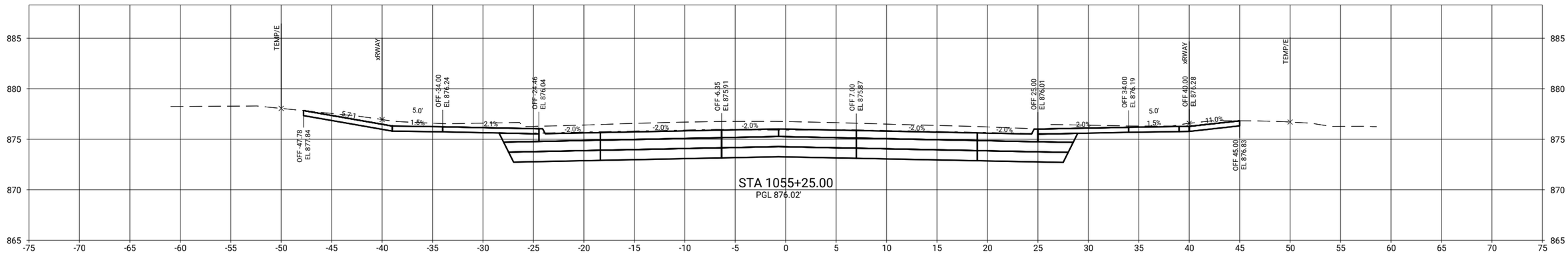

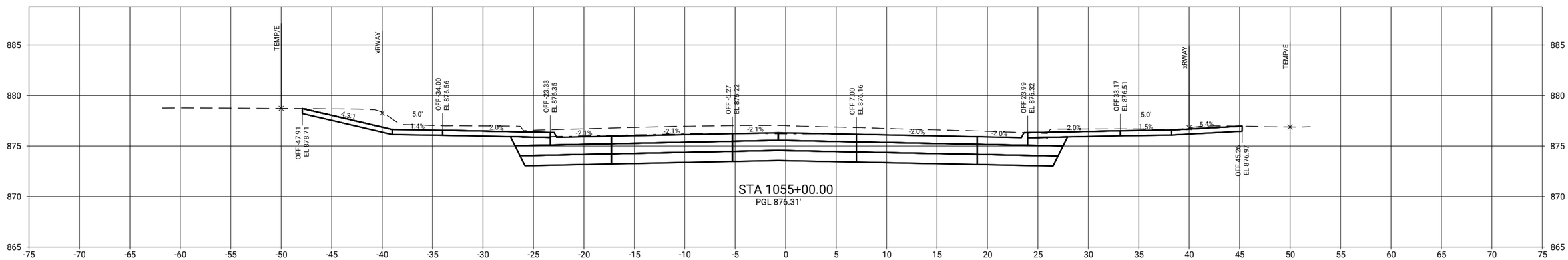

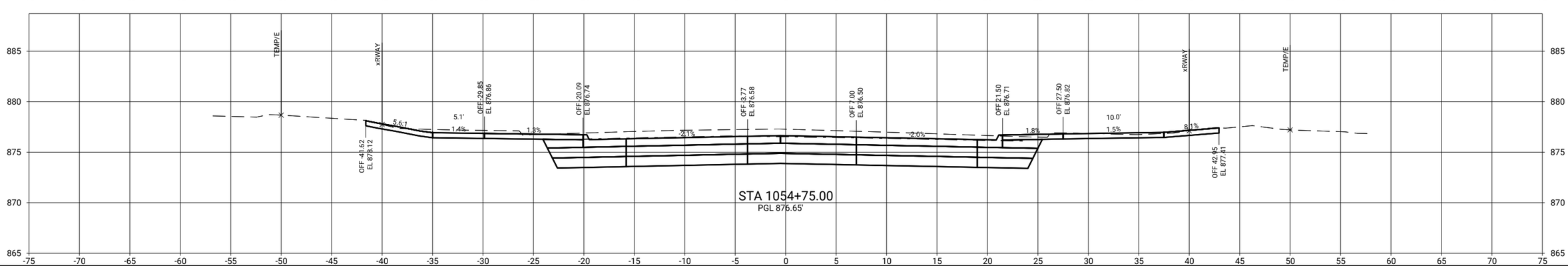

CLIENT PROJECT NO:	STBG-SWAP-1185(657)--SG-07
FOTH PROJECT NO:	0021C017.02
DESIGNED BY:	T. LECLAIR
CHECKED BY:	C. CARPER
DRAWN BY:	T. LECLAIR
LETTING DATE:	11/15/2022
CAD DATE:	9/1/2022 6:41:27 AM
CAD FILE:	c:\pw_workdir\pw_ie\ttl\d0518375\0021C017.02_W02_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.74

STBG-SWAP-1185(657

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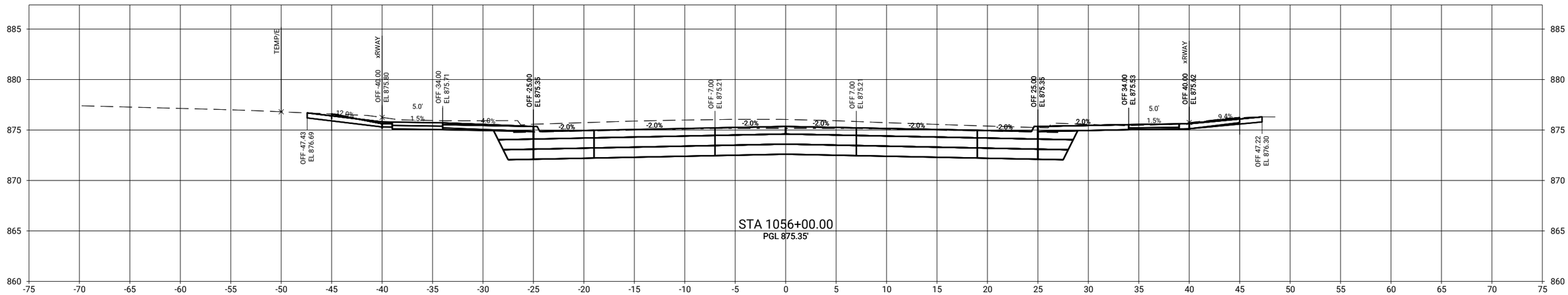

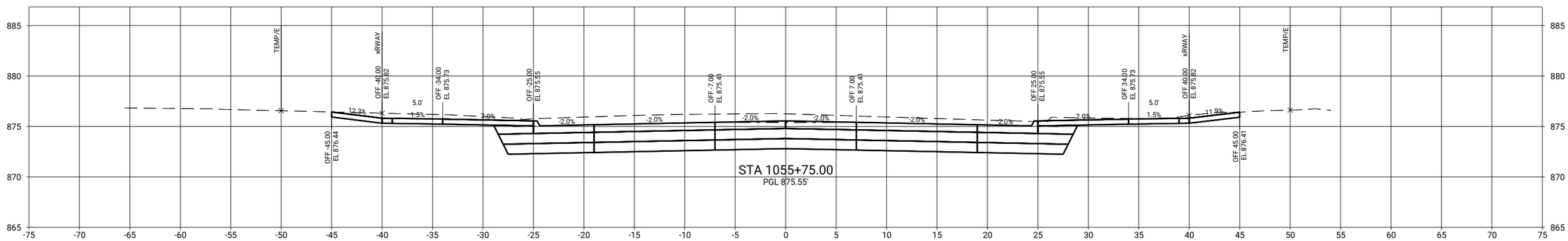

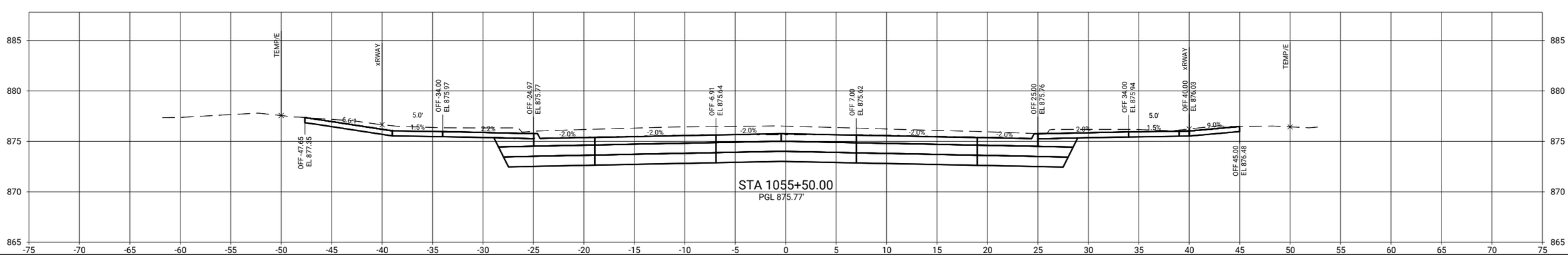

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: T. LECLAIR CHECKED BY: C. CARPER DRAWN BY: T. LECLAIR
LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 6:41:30 AM
CAD FILE: c:\pw_workdir\pw_ie\ttld05183751\0021C017.02_W02_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.75

STBG-SWAP-1185(657

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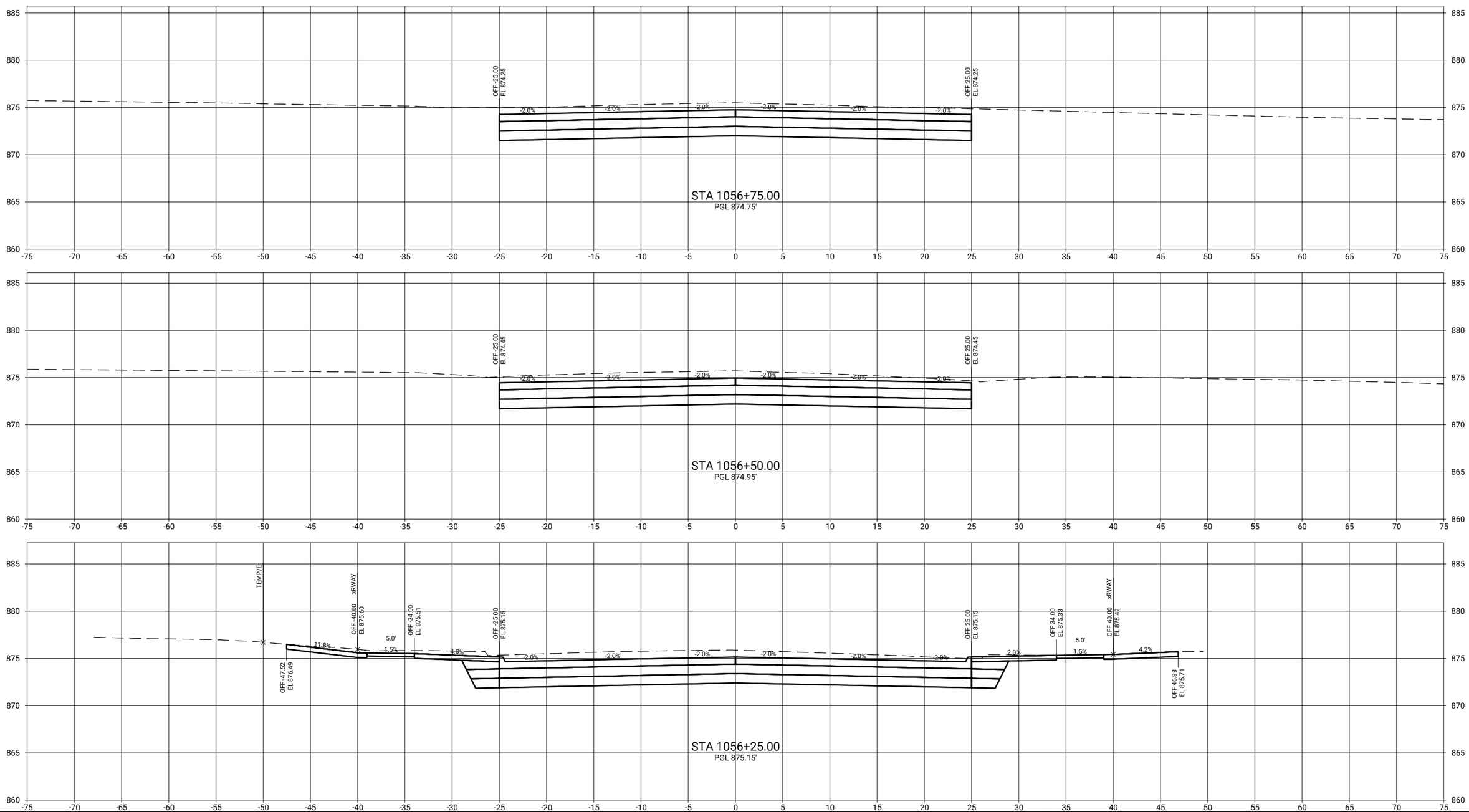

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
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LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 6:41:33 AM
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.76
STBG-SWAP-1185(657

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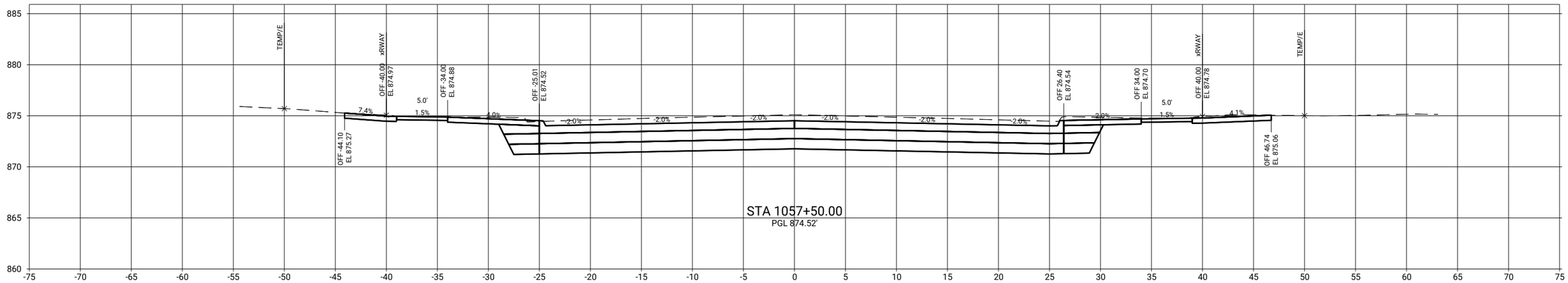

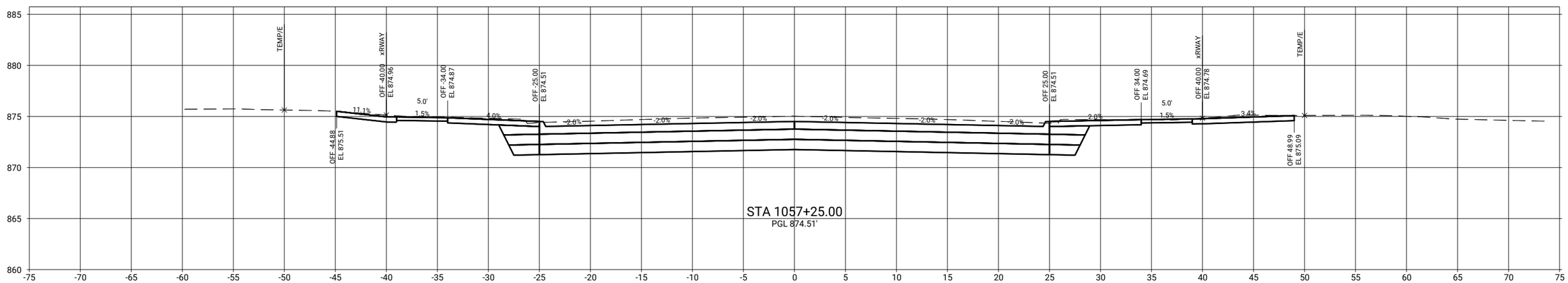

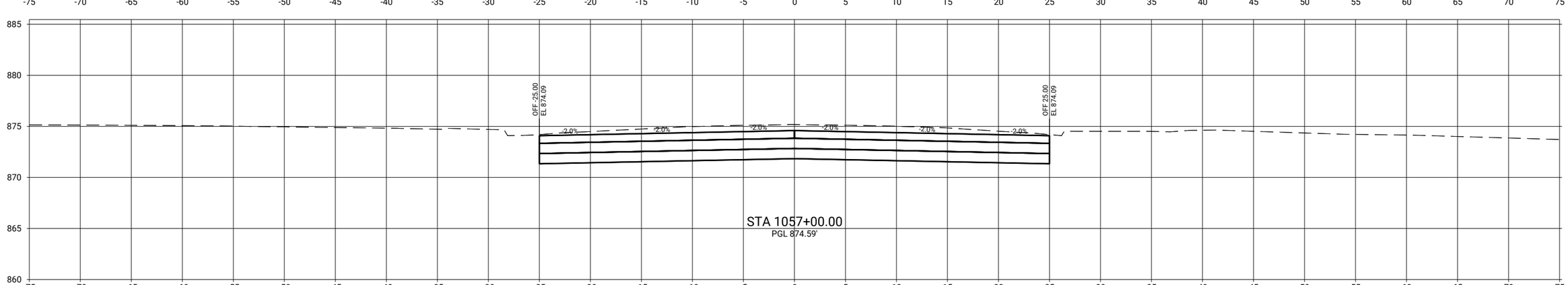

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: T. LECLAIR	CHECKED BY: C. CARPER	DRAWN BY: T. LECLAIR	
LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022	6:41:37 AM	
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.77

STBG-SWAP-1185(657

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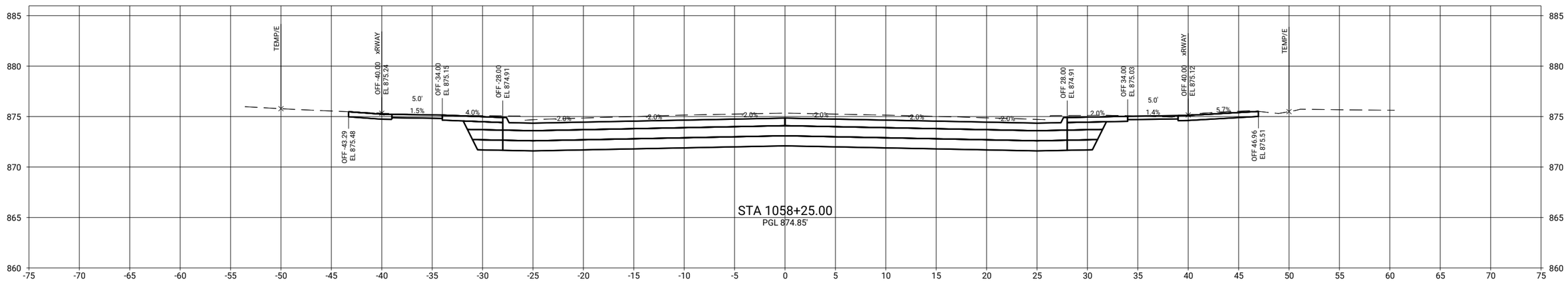

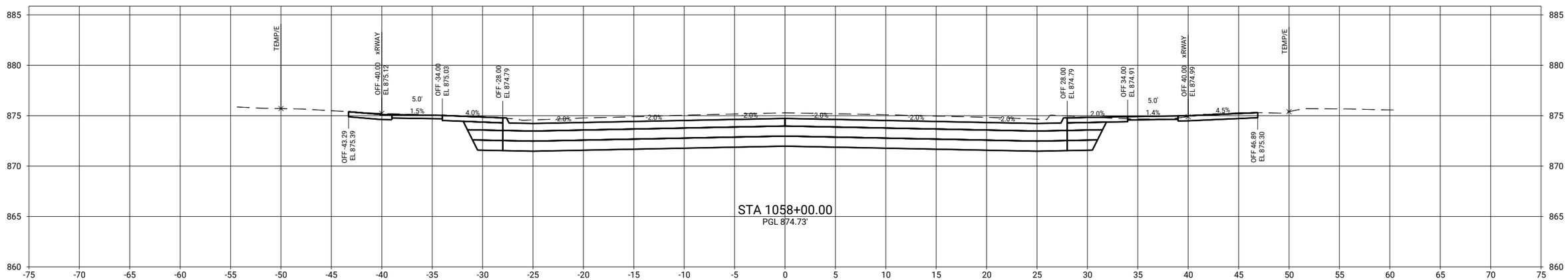

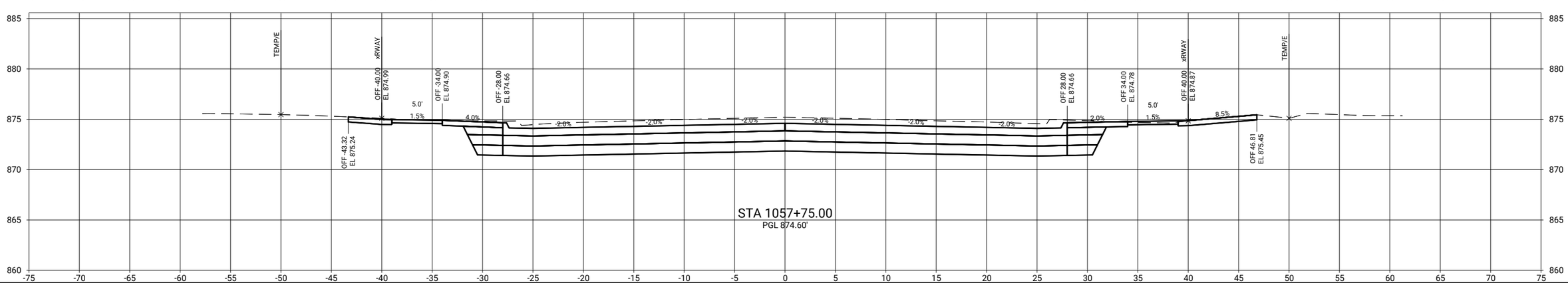

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: T. LECLAIR CHECKED BY: C. CARPER DRAWN BY: T. LECLAIR
LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 6:41:40 AM
CAD FILE: c:\pw_workdir\pw_ie\ttl\d0518375\0021C017.02_W02_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.78
STBG-SWAP-1185(657

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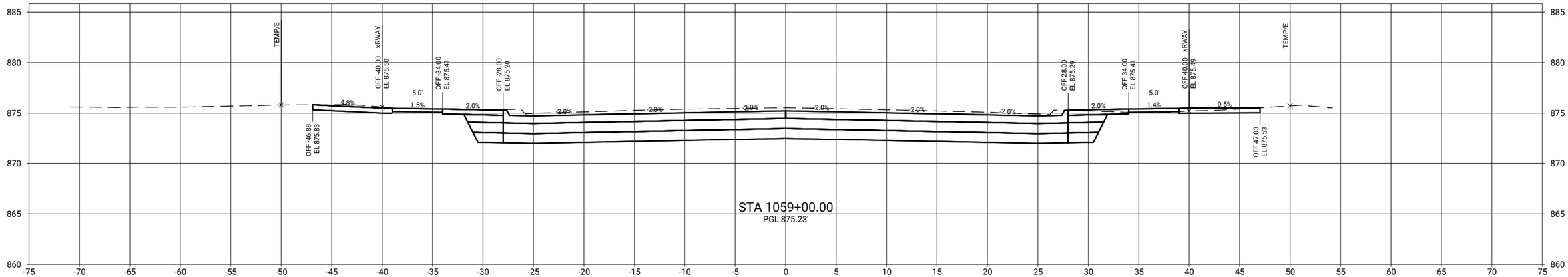

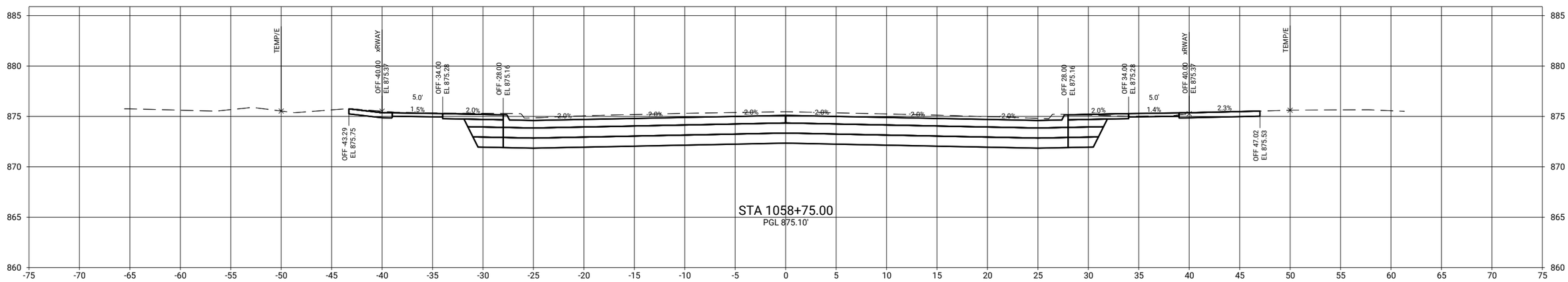

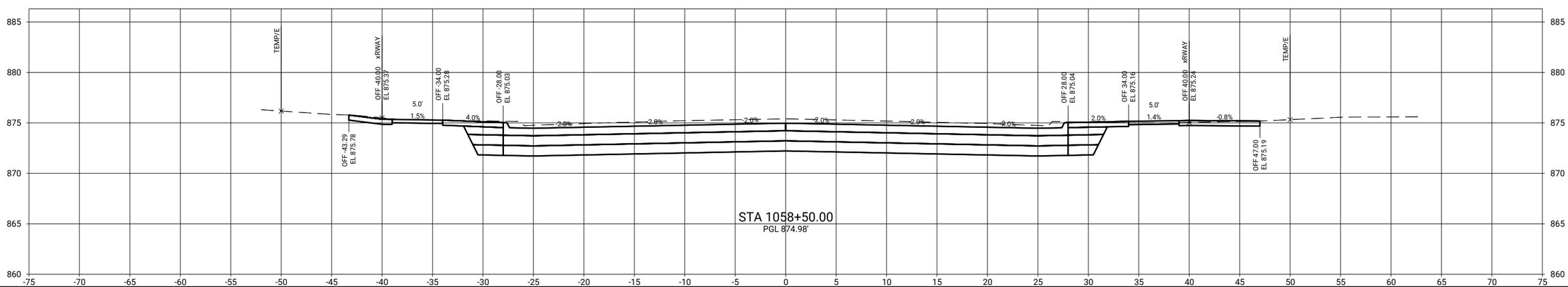

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022	6:41:43 AM	
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.79
STBG-SWAP-1185(657

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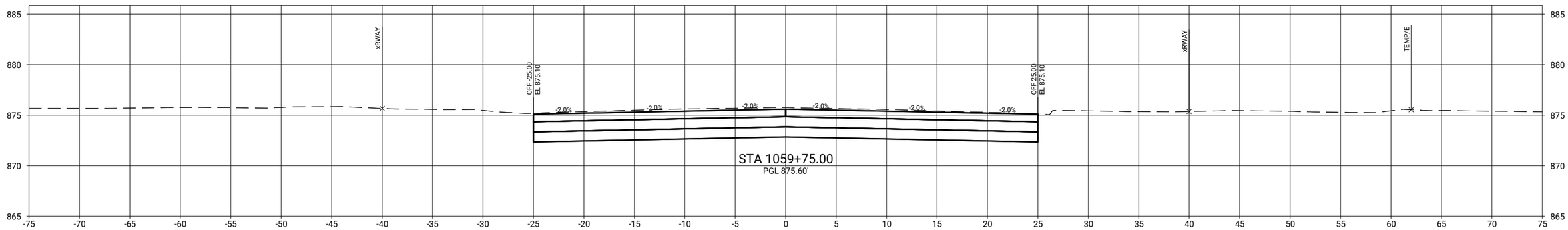

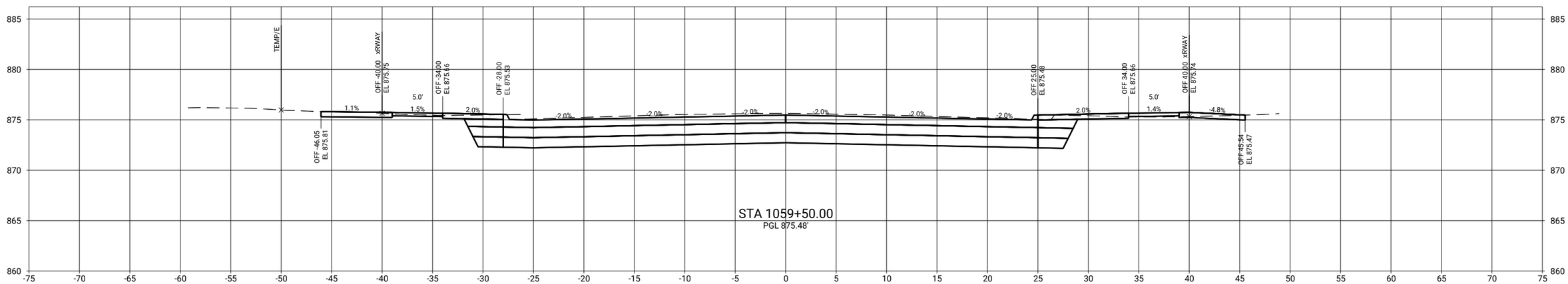

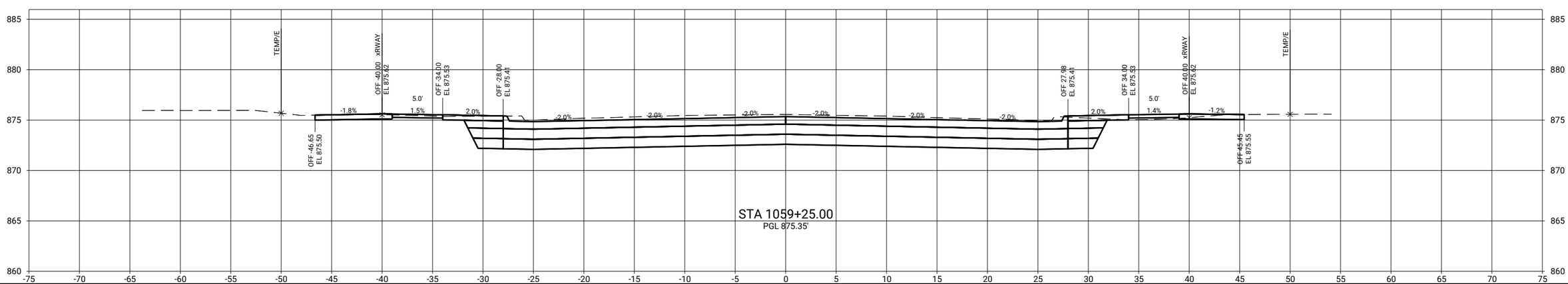

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: T. LECLAIR	CHECKED BY: C. CARPER	DRAWN BY: T. LECLAIR	
LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022	6:41:46 AM	
CAD FILE: c:\pw_workdir\pw_ie\trfid05183751\0021C017.02_W02_SHT.dgn			

NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.80
STBG-SWAP-1185(657

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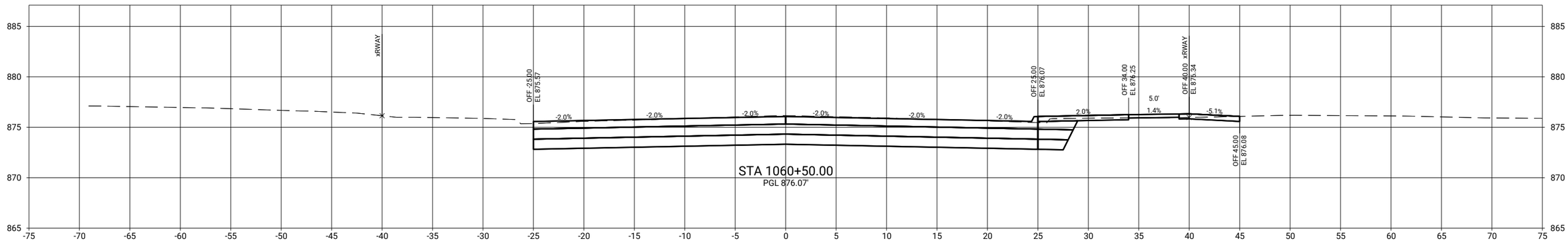

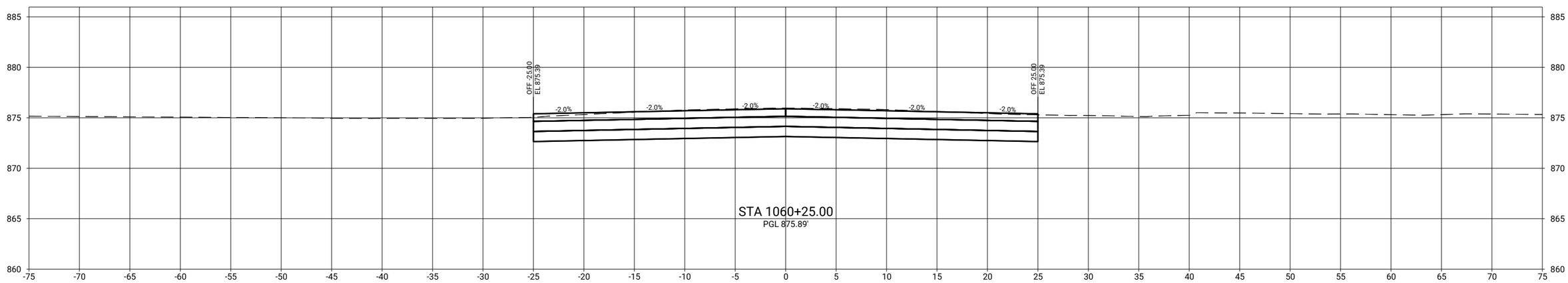

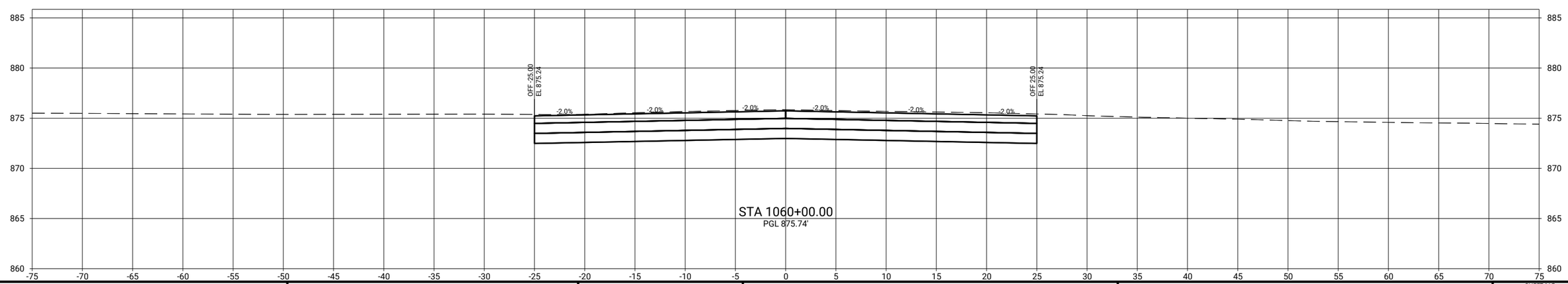

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: T. LECLAIR	CHECKED BY: C. CARPER	DRAWN BY: T. LECLAIR	
LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022	6:41:49 AM	
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.81
STBG-SWAP-1185(657

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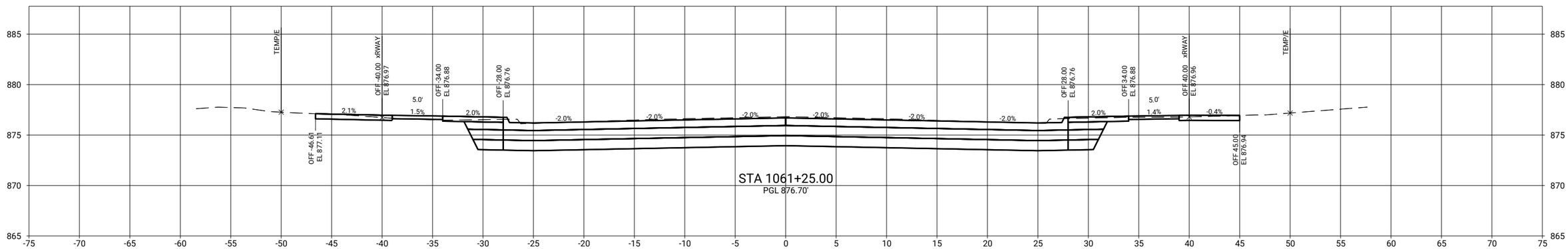

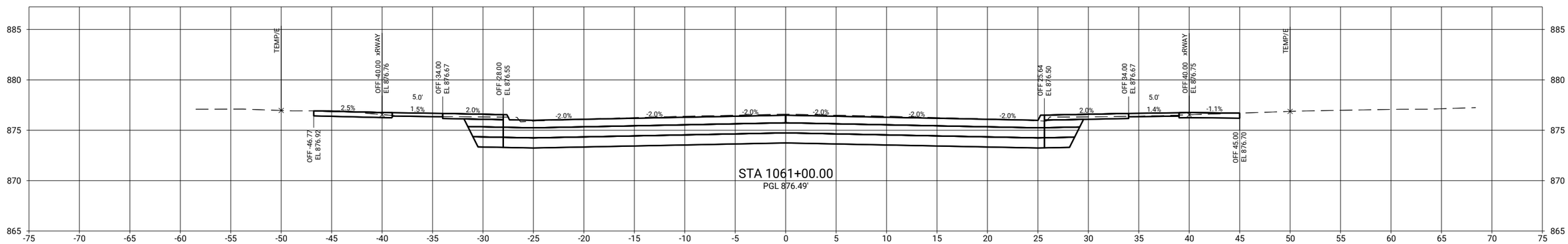

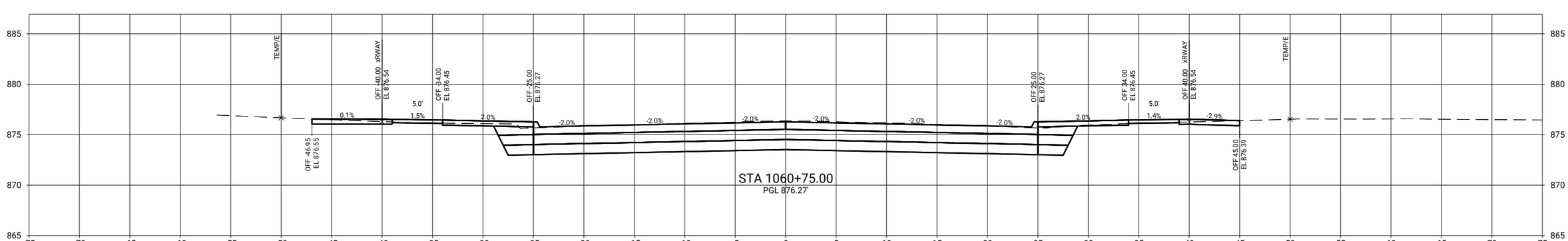

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: T. LECLAIR CHECKED BY: C. CARPER DRAWN BY: T. LECLAIR
LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 6:41:53 AM
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.82
STBG-SWAP-1185(657

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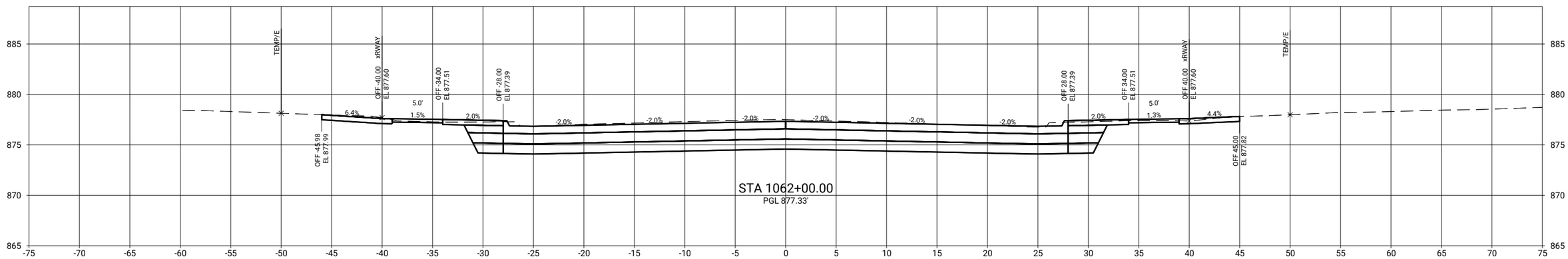

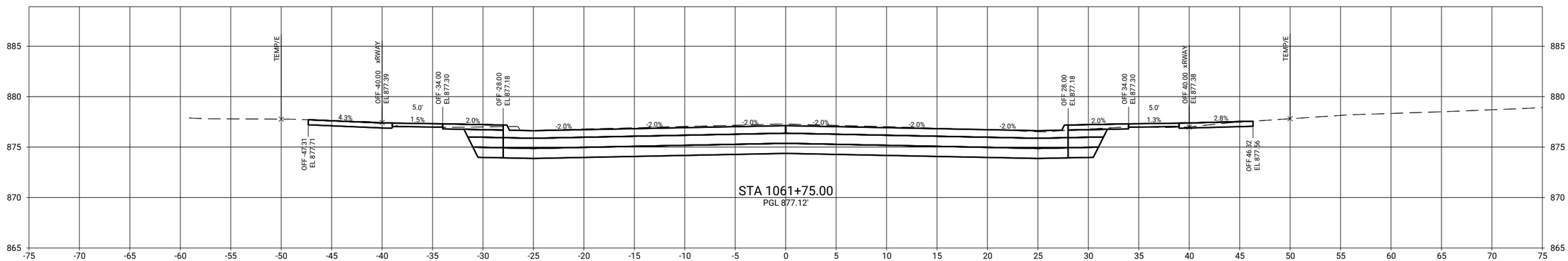

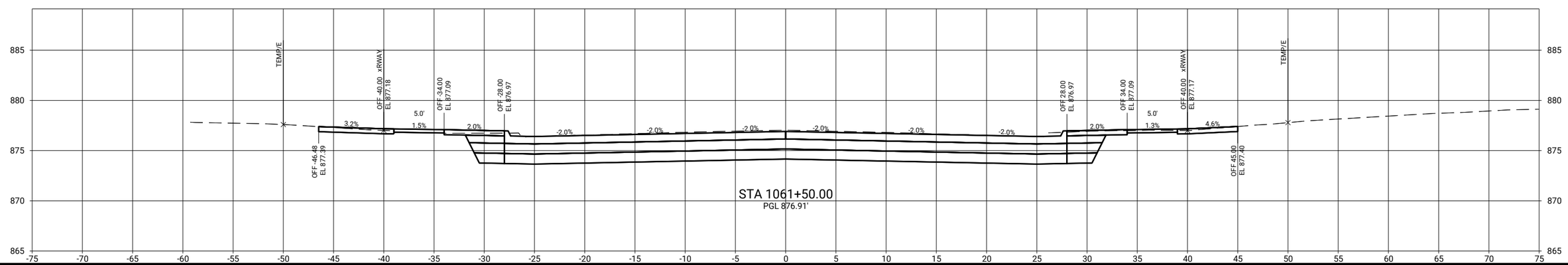

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
DESIGNED BY: T. LECLAIR CHECKED BY: C. CARPER DRAWN BY: T. LECLAIR
LETTING DATE: 11/15/2022 CAD DATE: 9/1/2022 6:41:56 AM
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.83
STBG-SWAP-1185(657

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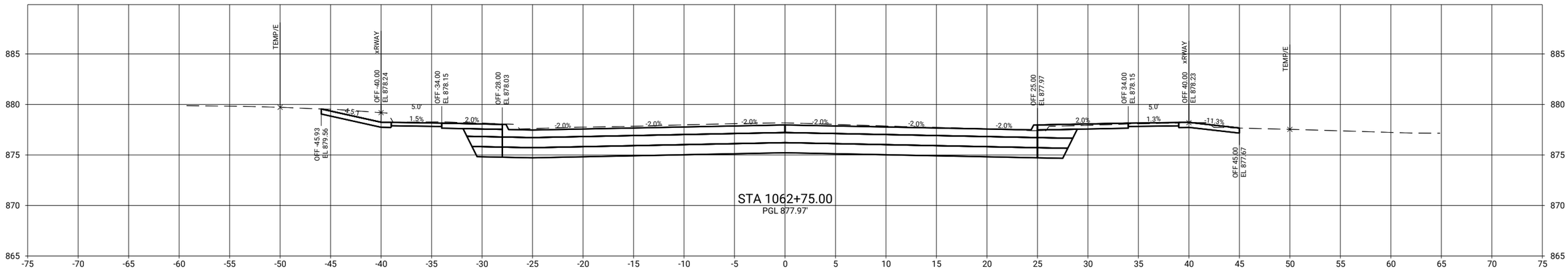

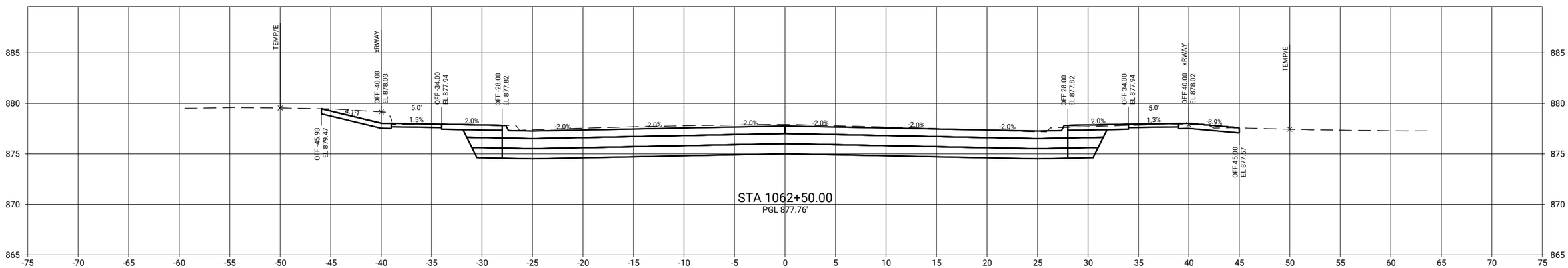

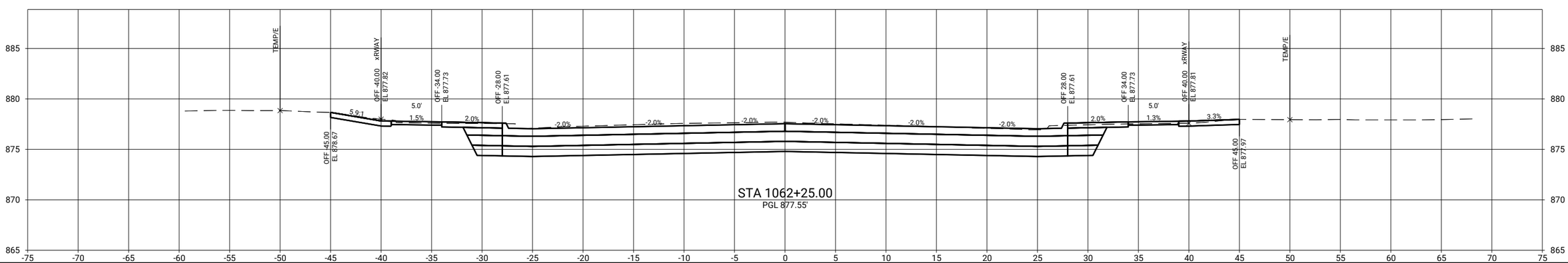

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
DESIGNED BY: T. LECLAIR	CHECKED BY: C. CARPER	DRAWN BY: T. LECLAIR	
LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022		6:42:00 AM
CAD FILE: c:\pw_workdir\pw_ie\ttl\d0518375\0021C017.02_W02_SHT.dgn			

NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.84

STBG-SWAP-1185(657

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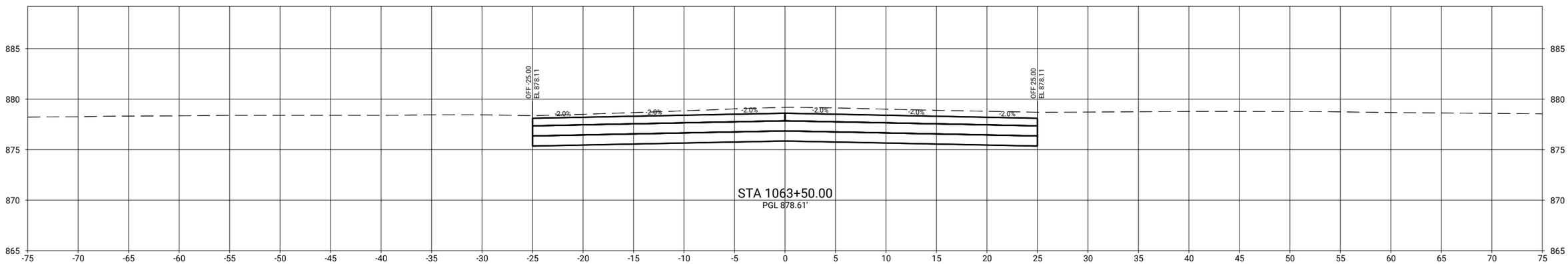

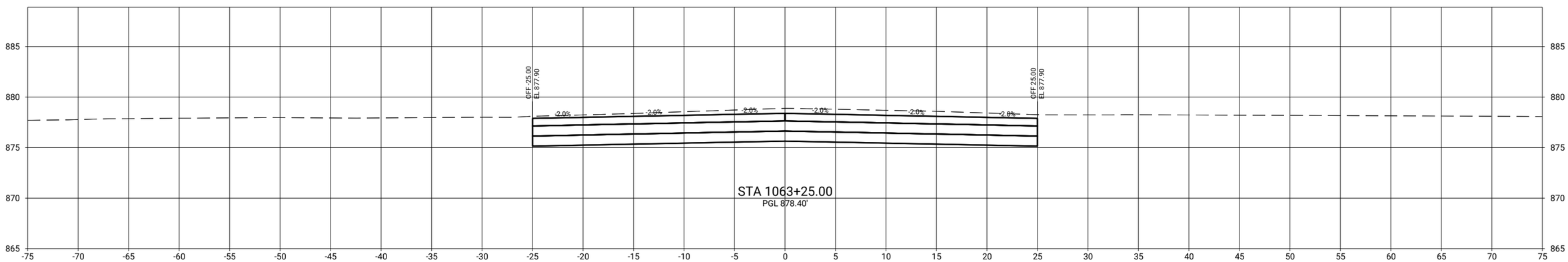

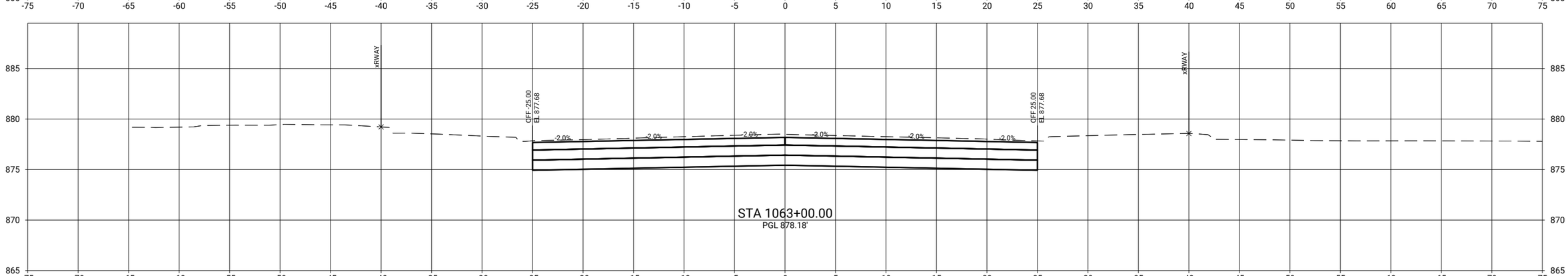

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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LETTING DATE: 11/15/2022	CAD DATE: 9/1/2022	6:42:03 AM	
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NO	DATE	BY	REVISION DESCRIPTION

Foth

MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.85

STBG-SWAP-1185(657

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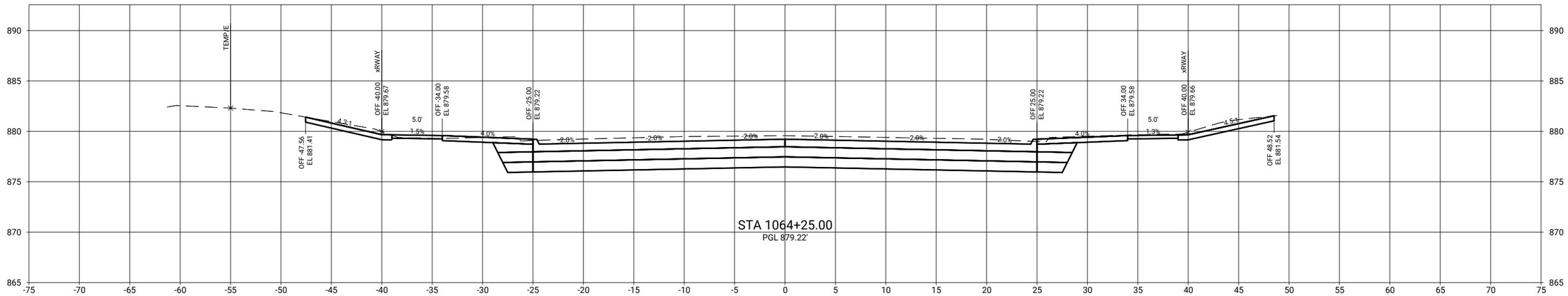

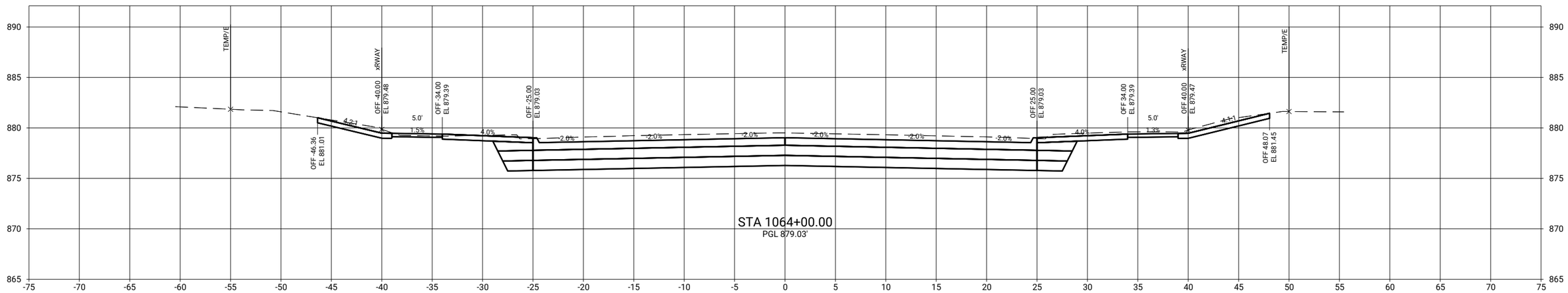

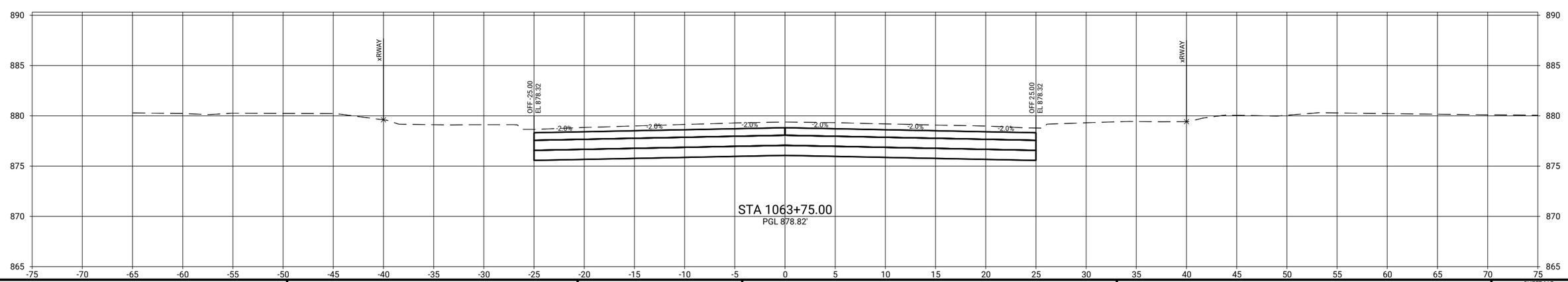

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.86

STBG-SWAP-1185(657

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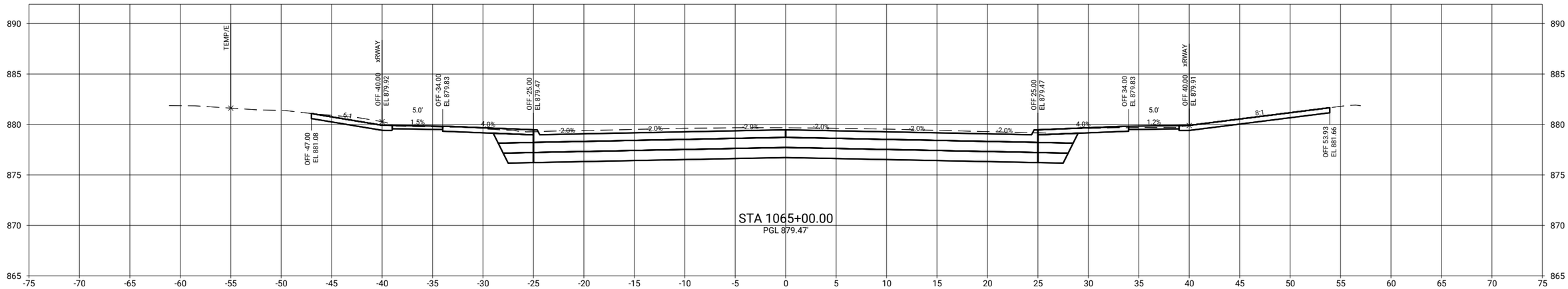

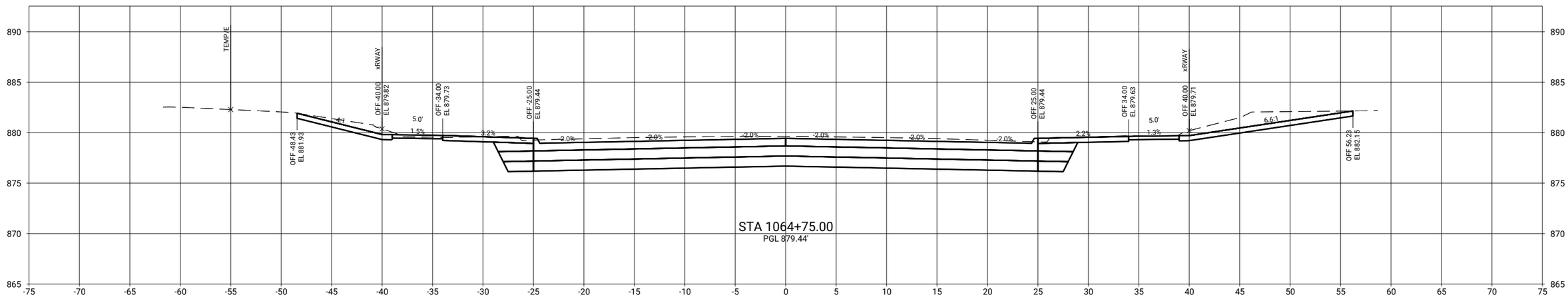

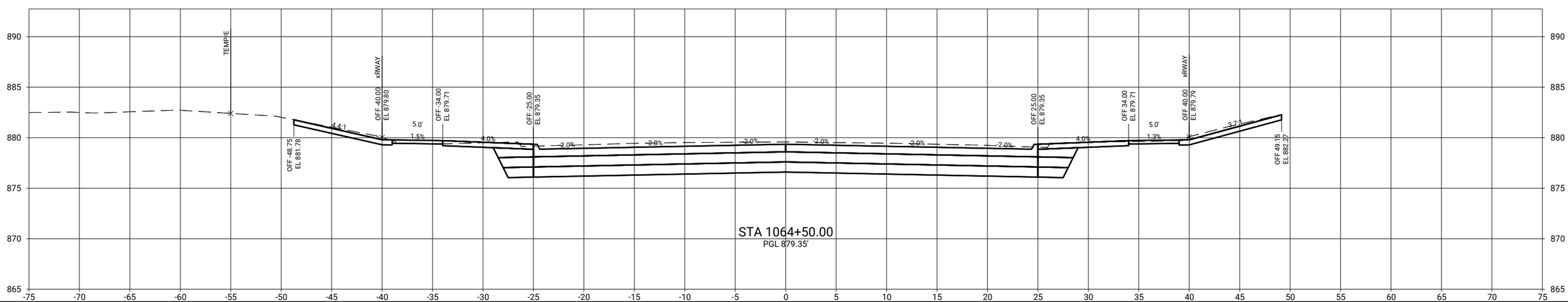

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.87
STBG-SWAP-1185(657

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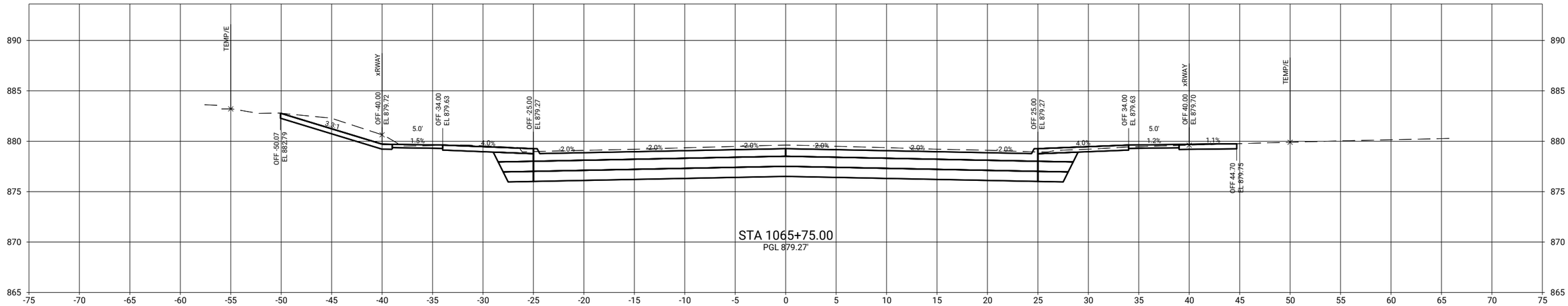

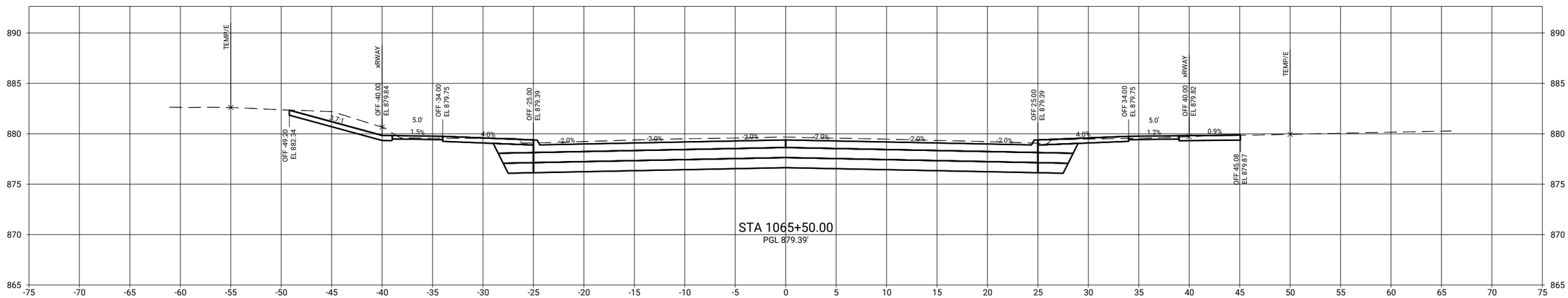

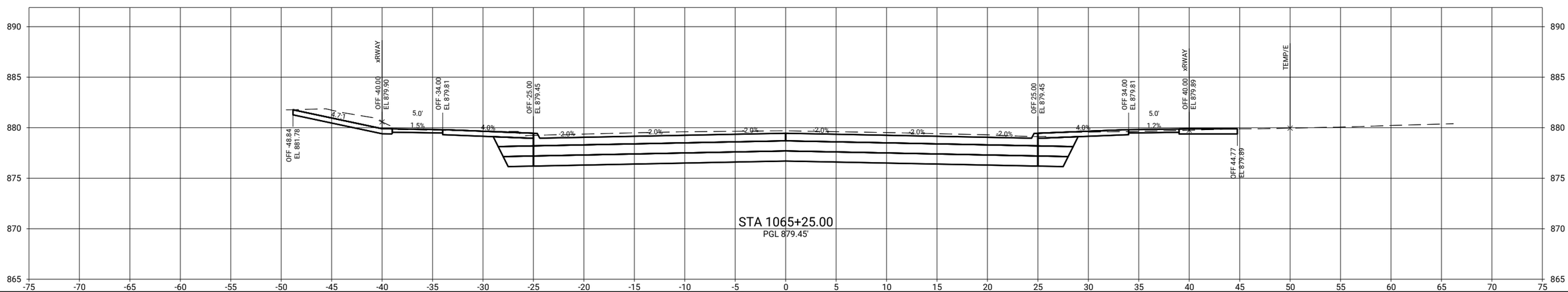

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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07 FOTH PROJECT NO: 0021C017.02
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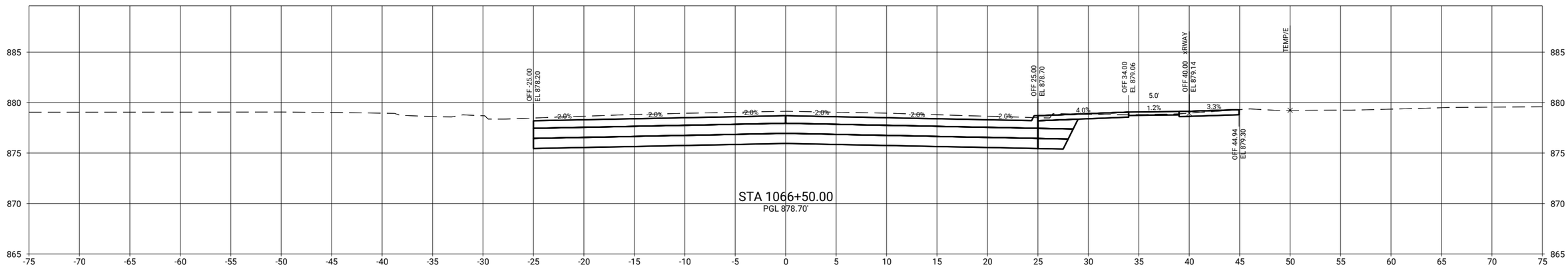
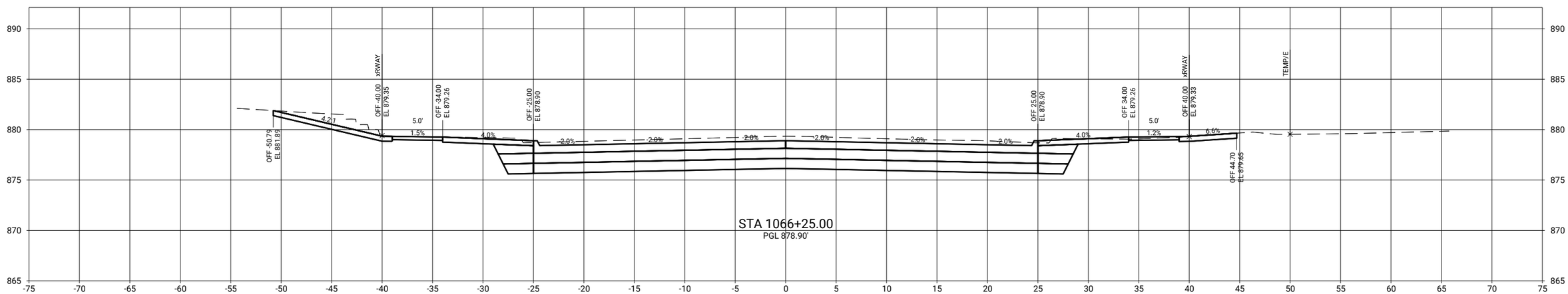
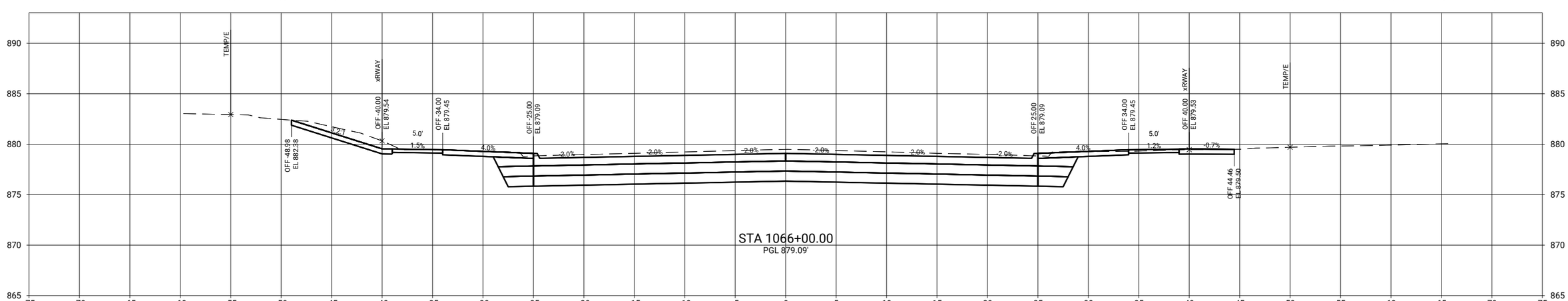
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.88
STBG-SWAP-1185(657







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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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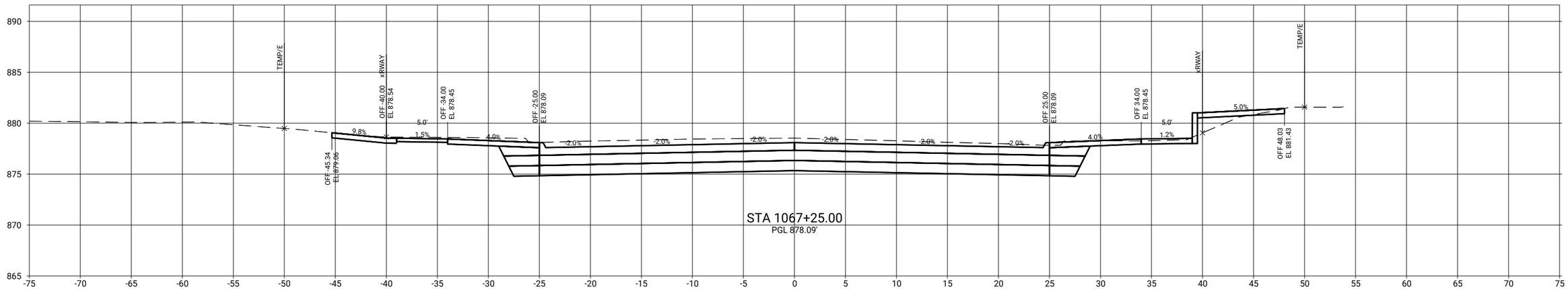
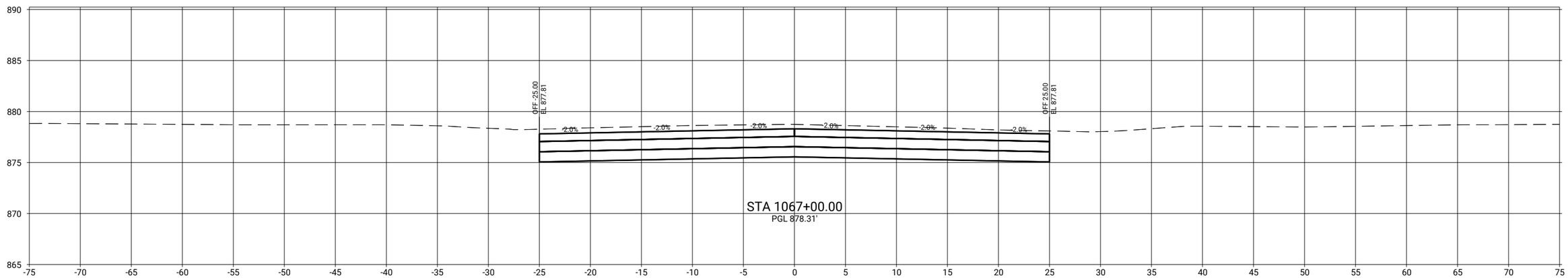
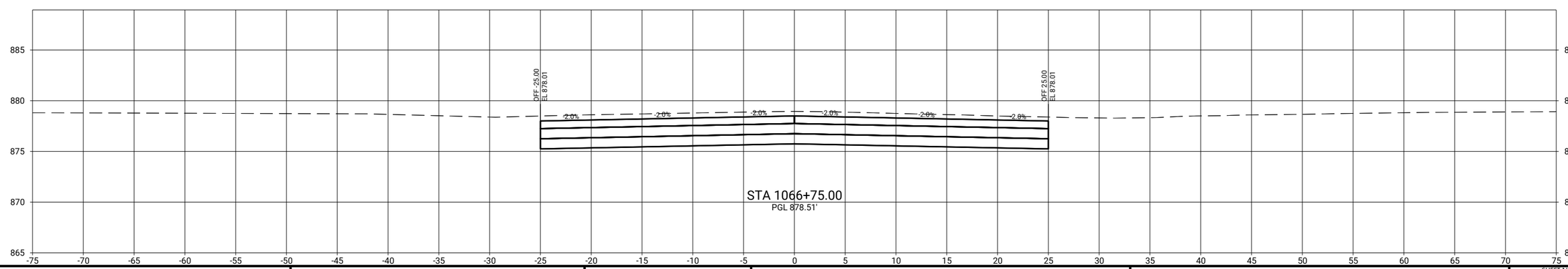
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.89
STBG-SWAP-1185(657







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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.90

STBG-SWAP-1185(657

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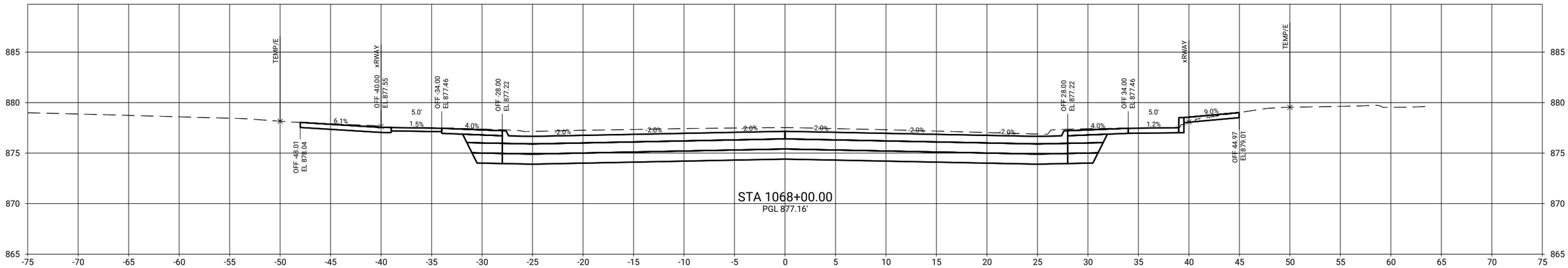

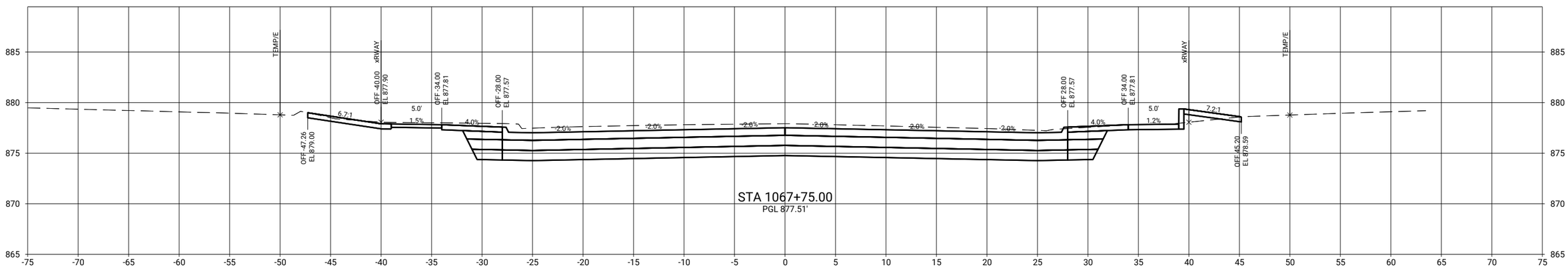

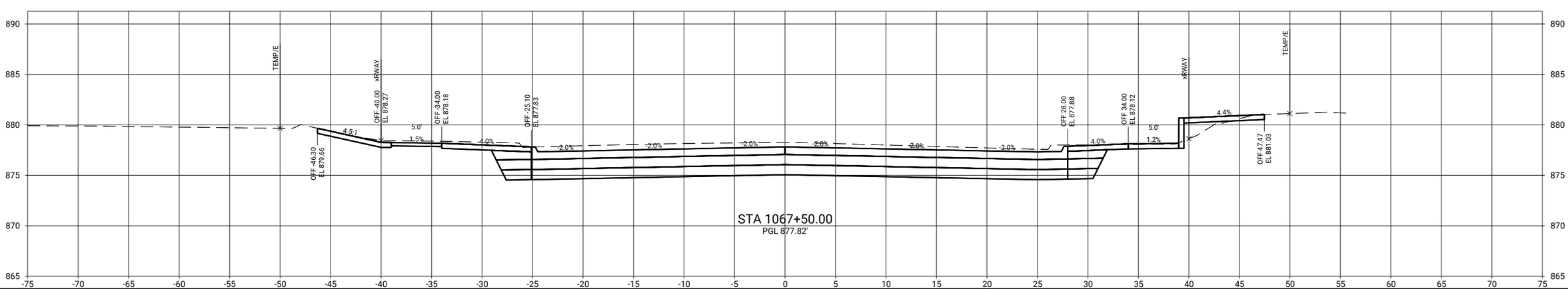

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.91
STBG-SWAP-1185(657

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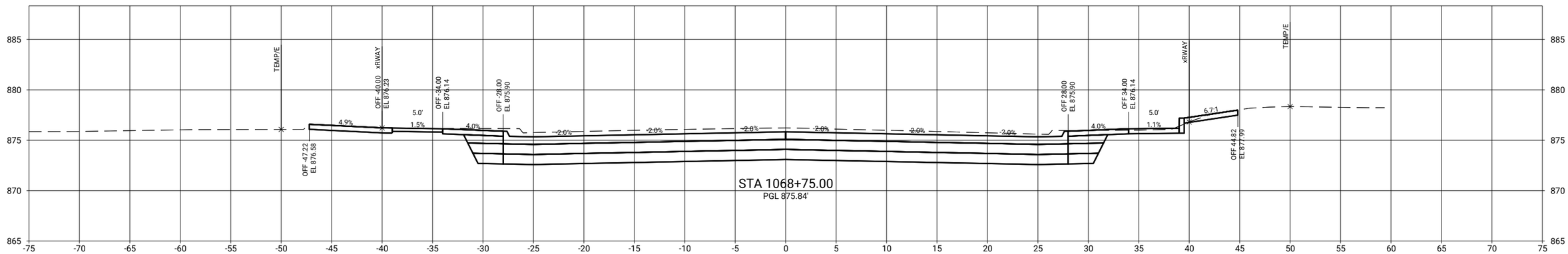

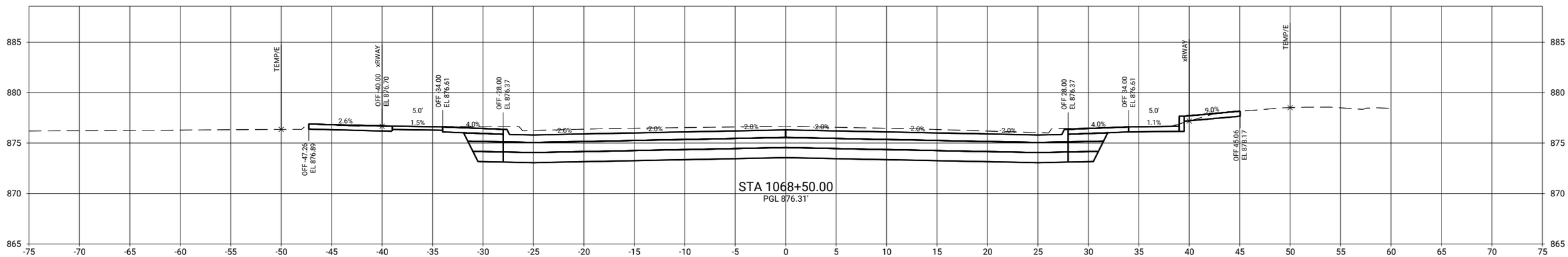

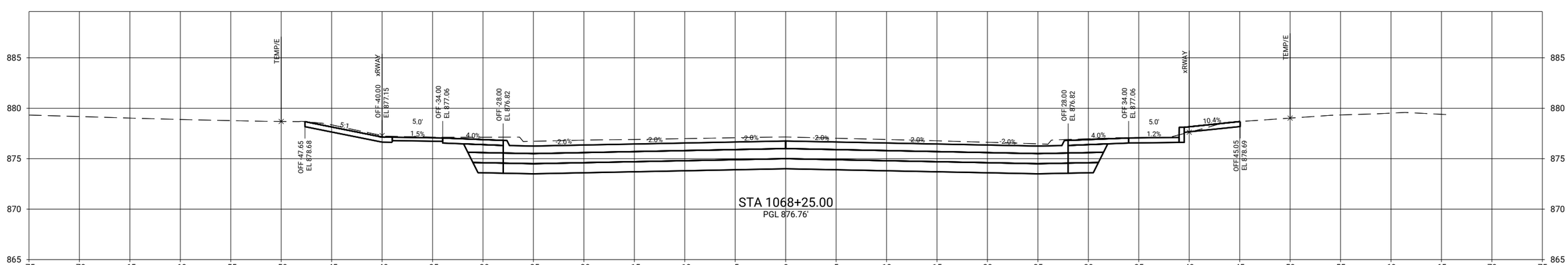

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.92
STBG-SWAP-1185(657

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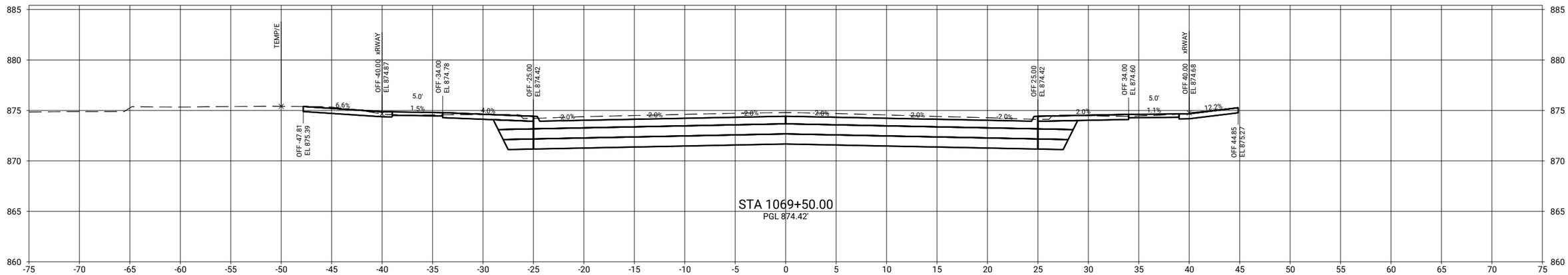

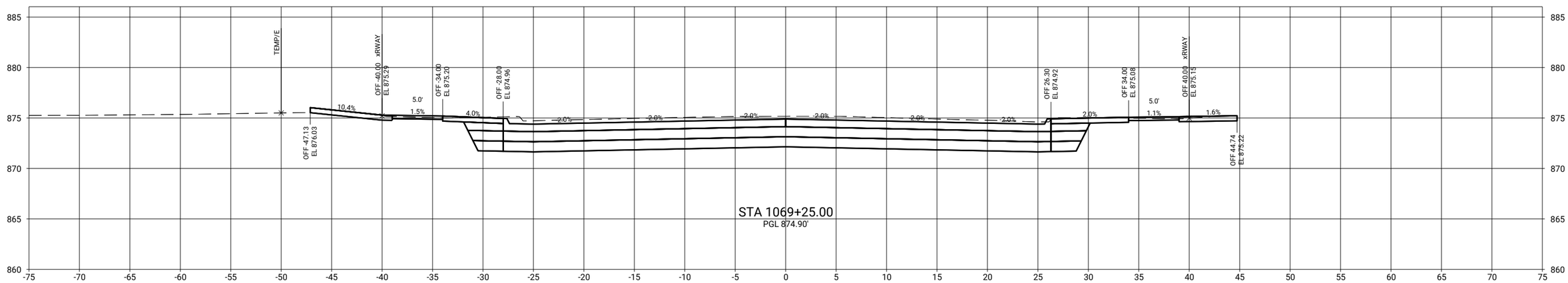

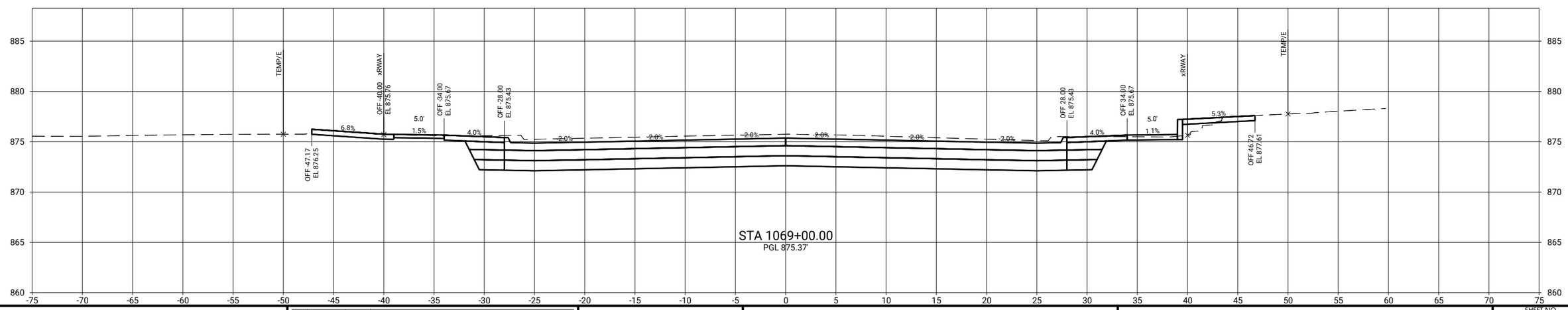

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.93
STBG-SWAP-1185(657

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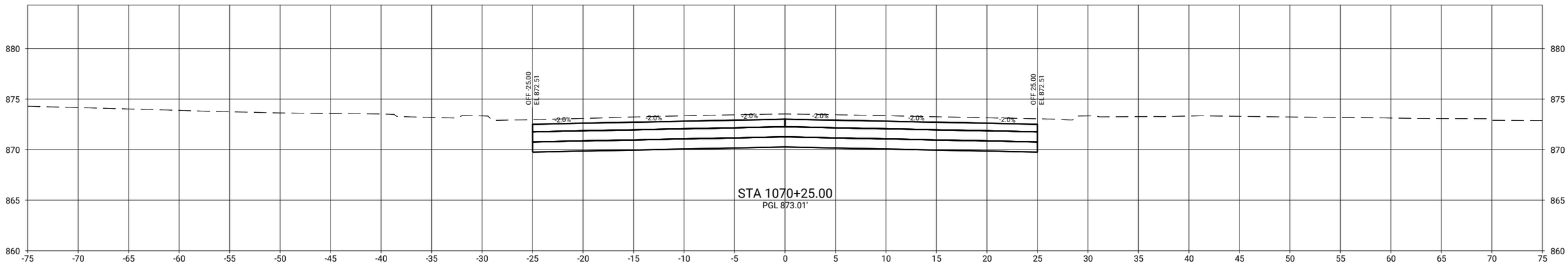

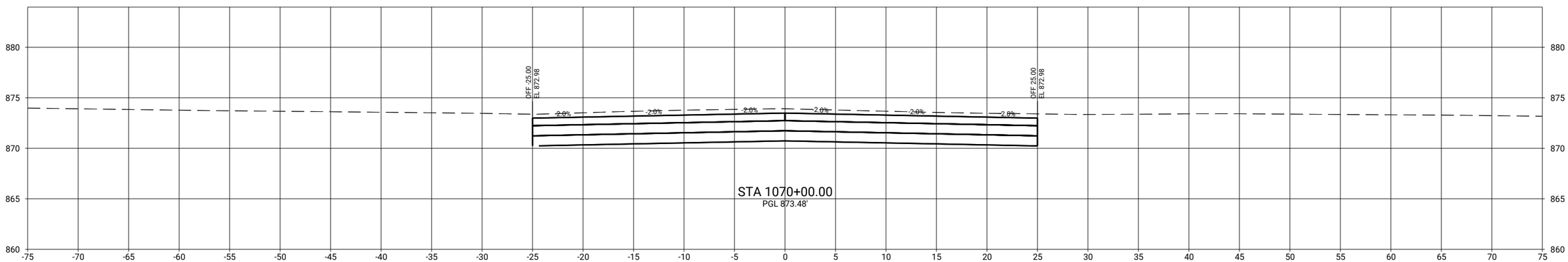

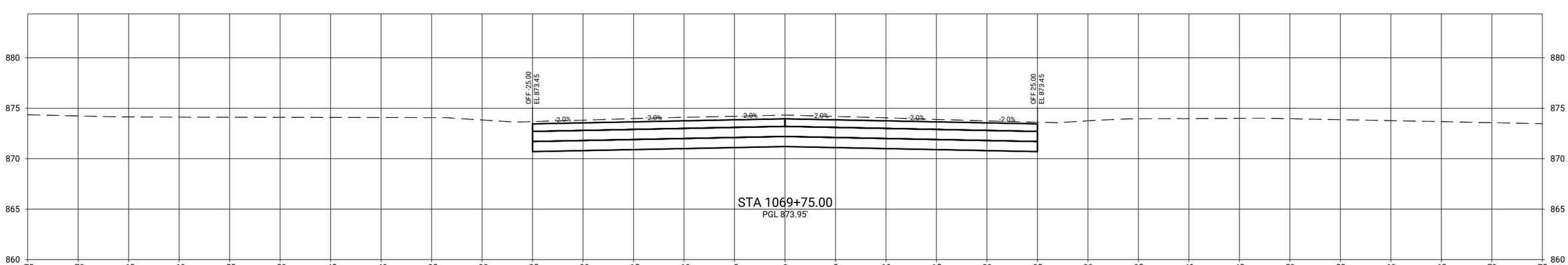

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CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG--07 FOTH PROJECT NO: 0021C017.02
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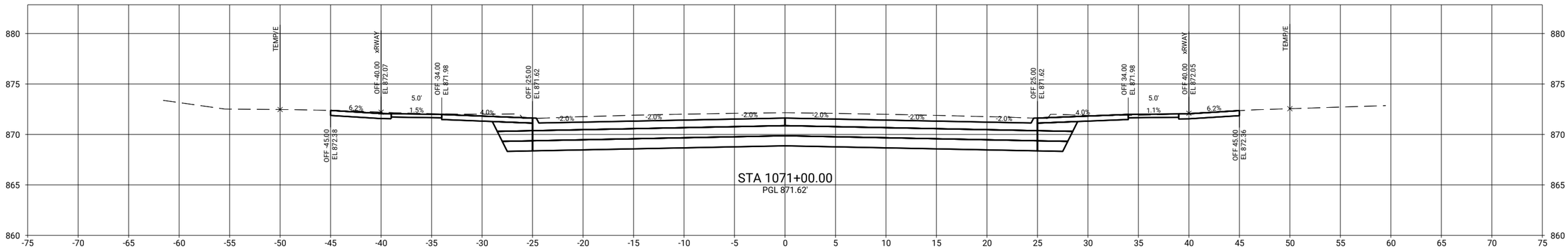
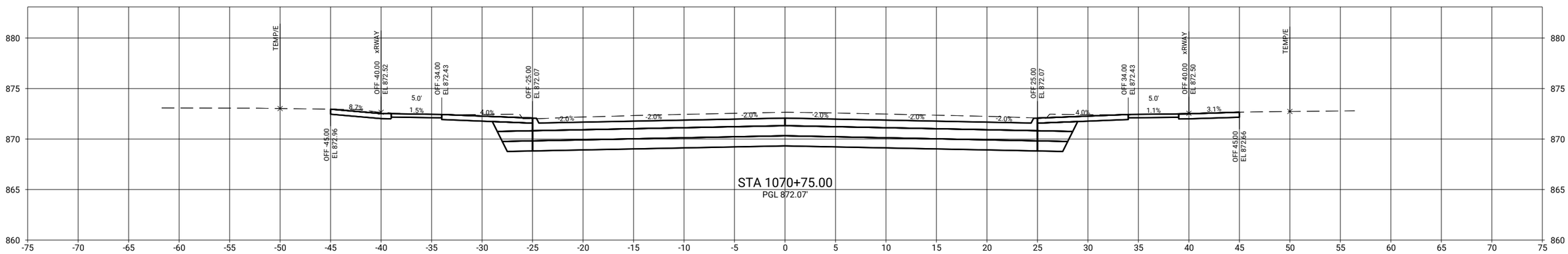
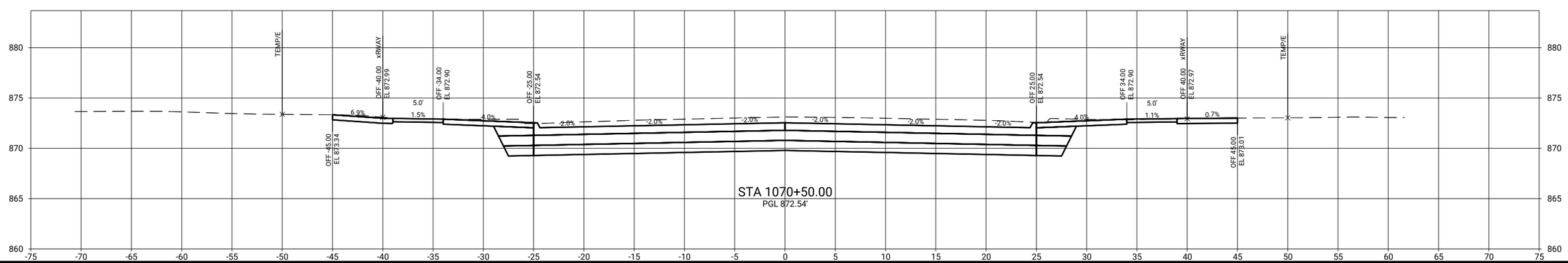
MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.94
STBG-SWAP-1185(657







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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.95
STBG-SWAP-1185(657

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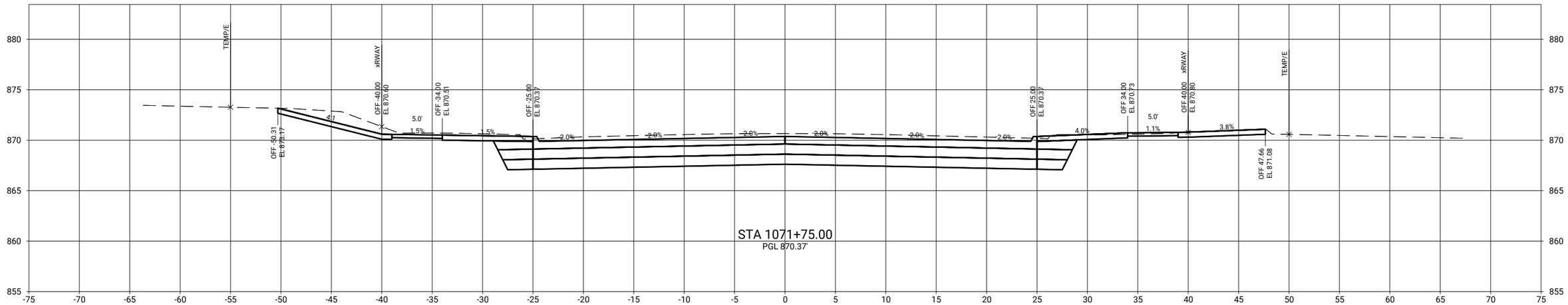

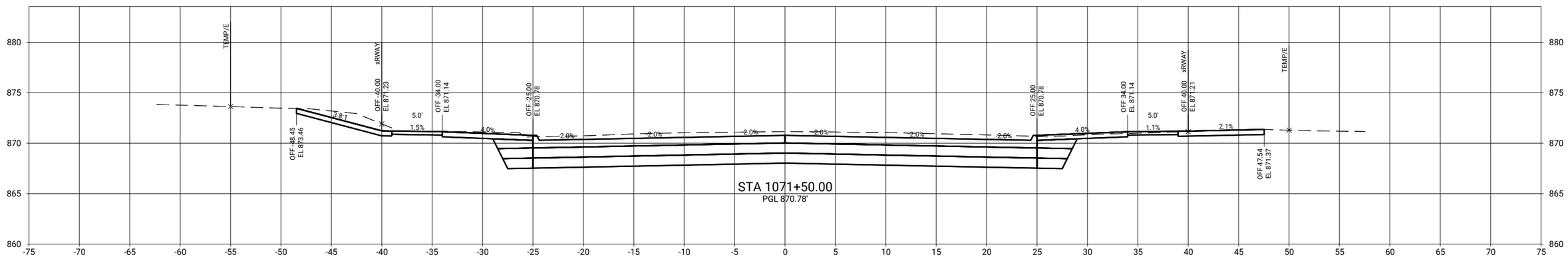

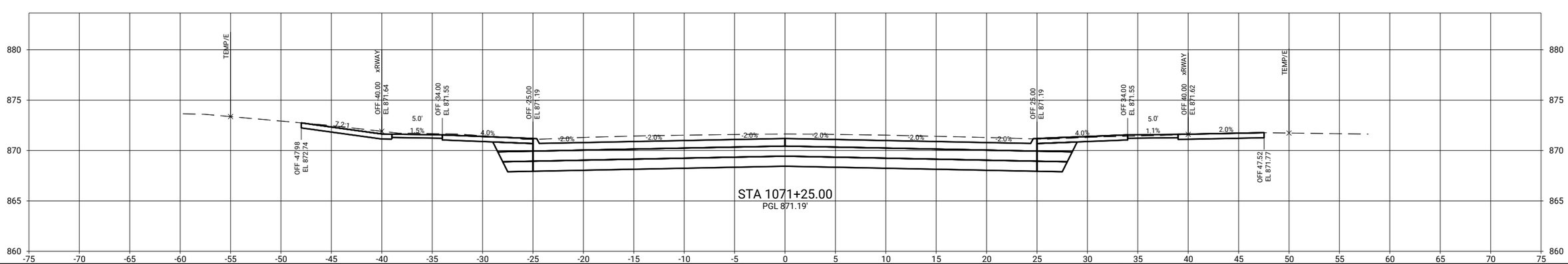

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.96

STBG-SWAP-1185(657

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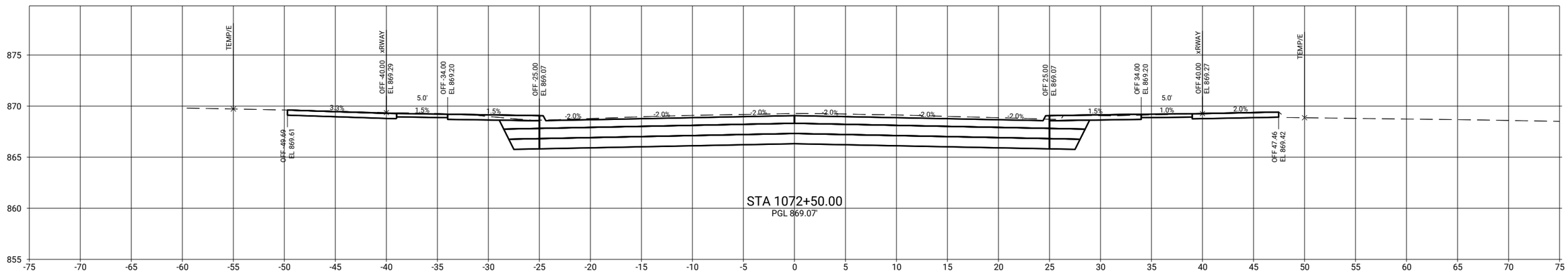

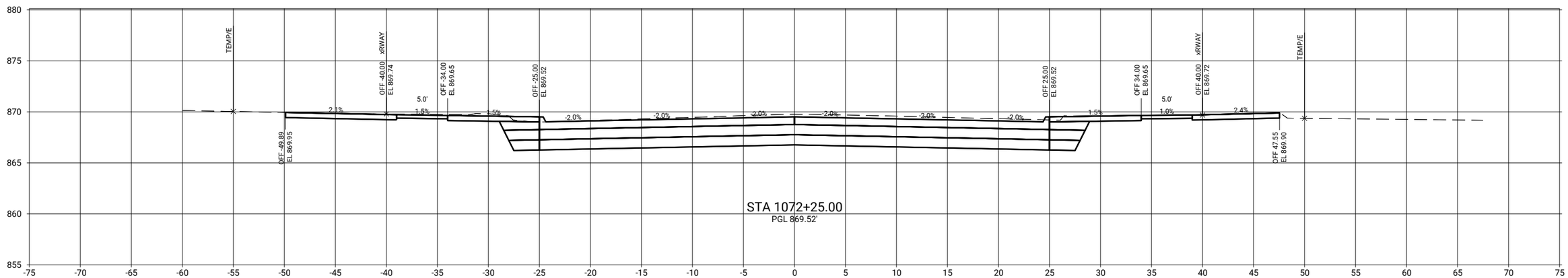

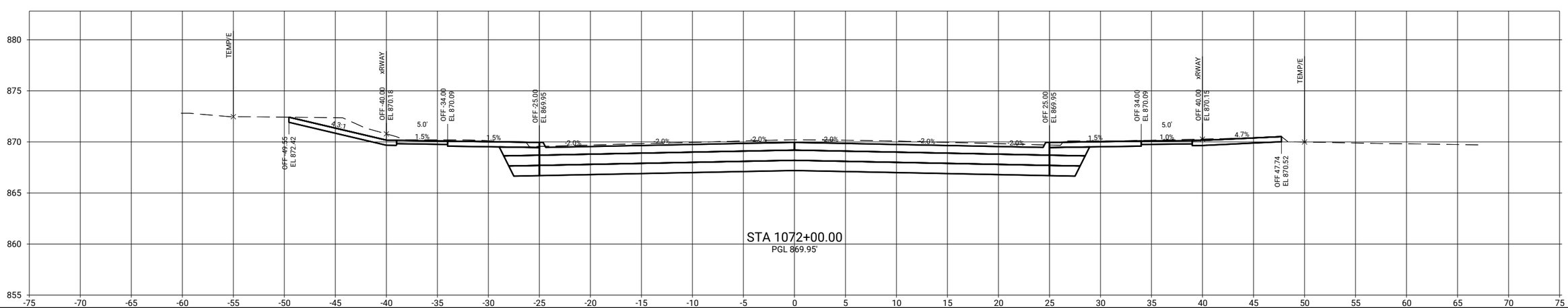

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.97

STBG-SWAP-1185(657

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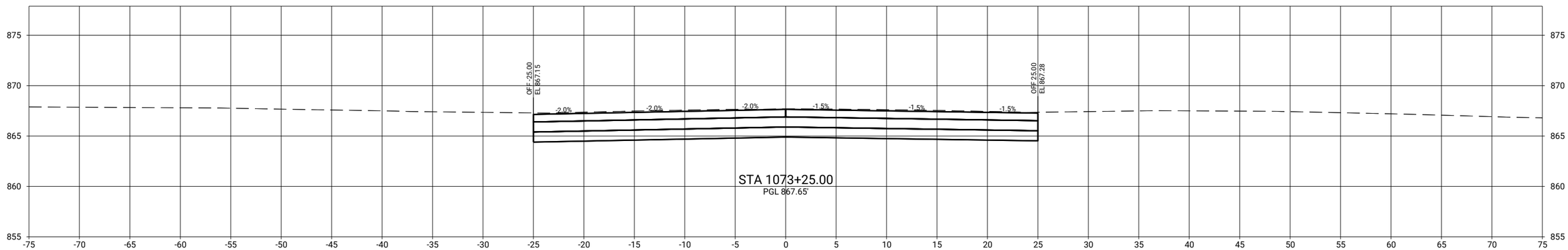

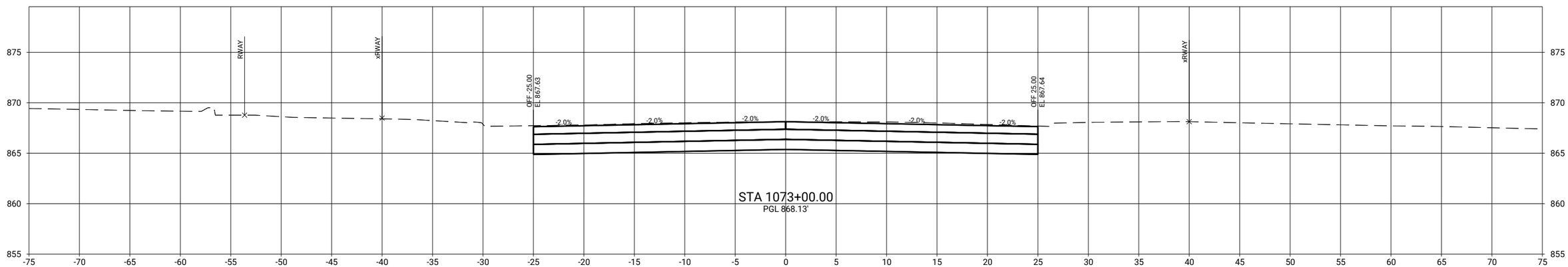

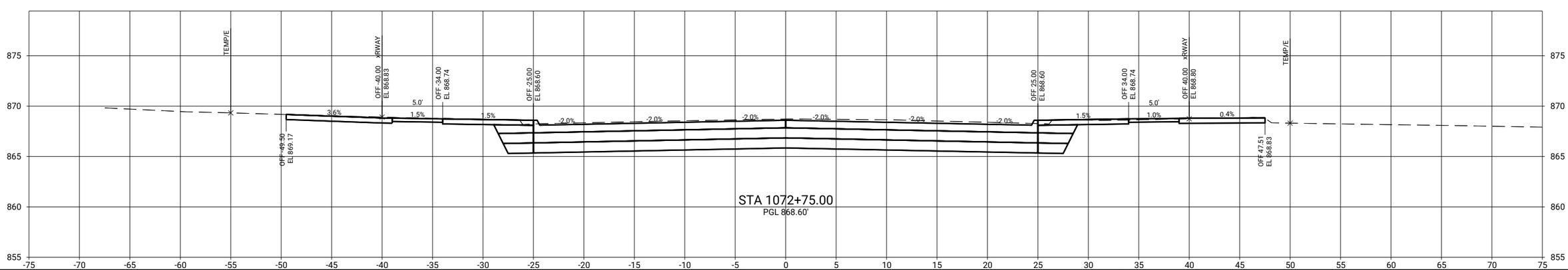

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.98
STBG-SWAP-1185(657)

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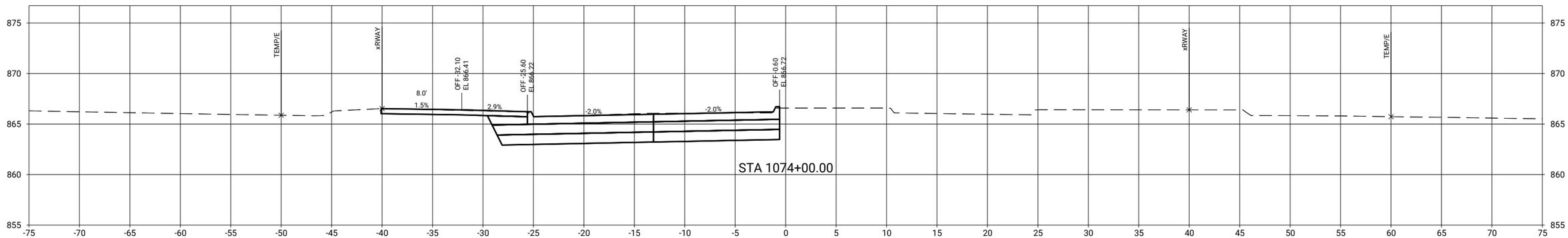

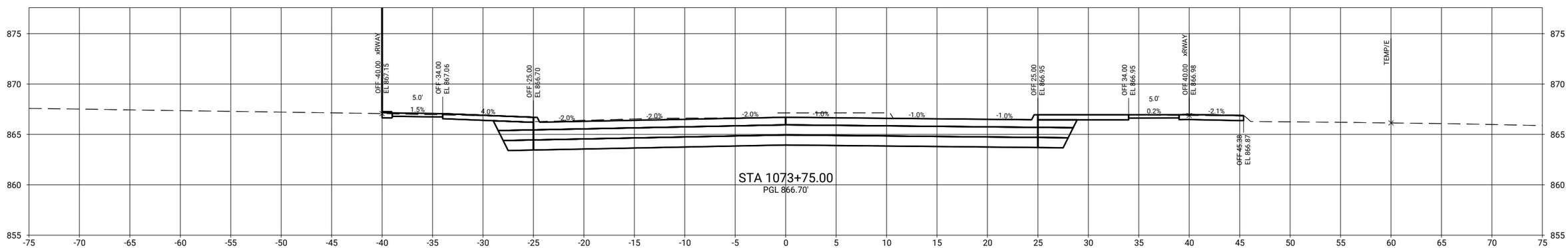

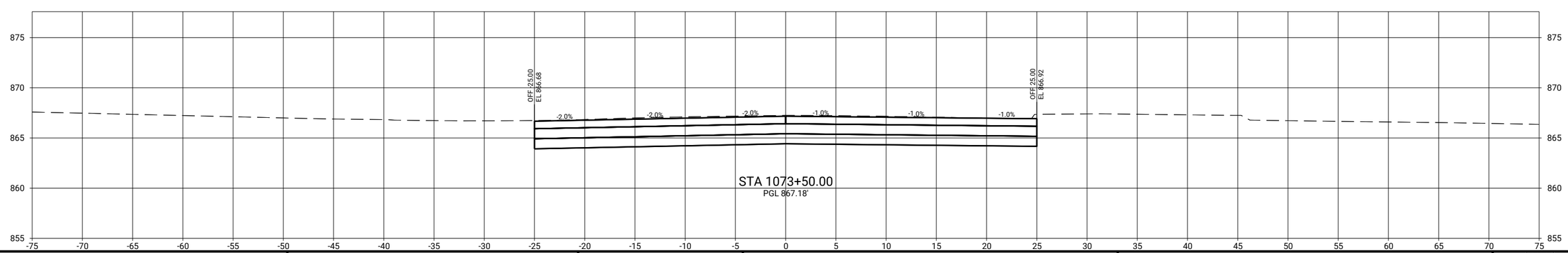

CLIENT PROJECT NO: STBG-SWAP-1185(657)--SG-07	FOTH PROJECT NO: 0021C017.02		
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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.99
STBG-SWAP-1185(657

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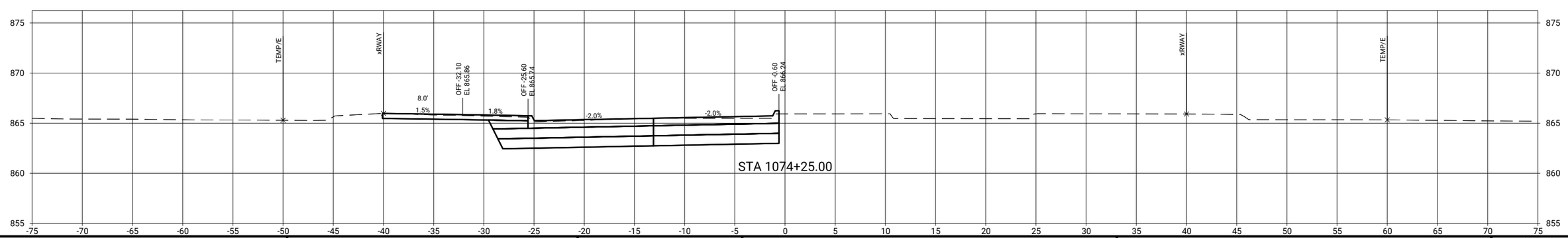

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NO	DATE	BY	REVISION DESCRIPTION

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MAIN STREET RECONSTRUCTION
UNIVERSITY AVENUE TO EAST 6TH STREET
CEDAR FALLS, IA

MAIN STREET
MAINLINE CROSS SECTIONS

SHEET NO.
W.100
STBG-SWAP-1185(657

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OPINION OF PROBABLE CONSTRUCTION COSTS
CITY OF CEDAR FALLS
Main Street Reconstruction from Seerley Blvd to 6th Street
Iowa DOT No. STBG-SWAP-1185(657)--SG-07

Final Plans (9/1/2022)

Bid Date: November 15, 2022

ITEM NO.	ITEM CODE	ITEM DESCRIPTION	UNIT	UNIT PRICE	DIVISION 1: PARTICIPATING		DIVISION 2: NON-PARTICIPATING		DIVISION 3: LANDSCAPING		TOTAL	
					QUANTITY	SUBTOTAL	QUANTITY	SUBTOTAL	QUANTITY	SUBTOTAL	QUANTITY	PRICE
1	2101-0850002	CLEARING AND GRUBBING	UNIT	$ 45.00	1530	$ 68,850.00		$ -		$ -	1530	$ 68,850.00
2	2102-2710070	EXCAVATION, CLASS 10, ROADWAY AND BORROW	CY	$ 7.00	4031	$ 28,217.00		$ -		$ -	4031	$ 28,217.00
3	2102-2710080	EXCAVATION, CLASS 10, UNSUITABLE MATERIAL	CY	$ 13.00	2000	$ 26,000.00		$ -		$ -	2000	$ 26,000.00
4	2102-2710090	EXCAVATION, CLASS 10, WASTE	CY	$ 6.00	25089	$ 150,534.00		$ -		$ -	25089	$ 150,534.00
5	2105-8425005	TOPSOIL, FURNISH AND SPREAD	CY	$ 28.00	1742	$ 48,776.00		$ -		$ -	1742	$ 48,776.00
6	2105-8425015	TOPSOIL, STRIP, SALVAGE AND SPREAD	CY	$ 7.00	3818	$ 26,726.00		$ -		$ -	3818	$ 26,726.00
7	2107-0425020	COMPACTING BACKFILL ADJACENT TO BRIDGES, CULVERTS OR STRUCTURES	CY	$ 21.00	274	$ 5,754.00		$ -		$ -	274	$ 5,754.00
8	2109-8225100	SPECIAL COMPACTION OF SUBGRADE	STA	$ 750.00	93	$ 69,750.00		$ -		$ -	93	$ 69,750.00
9	2115-0100000	MODIFIED SUBBASE, 12 IN	CY	$ 45.00	24513	$ 1,103,085.00		$ -		$ -	24513	$ 1,103,085.00
10	2123-7450020	SHOULDER FINISHING, EARTH	STA	$ 450.00	184	$ 82,800.00		$ -		$ -	184	$ 82,800.00
11	2213-7100400	RELOCATION OF MAIL BOXES	EACH	$ 500.00	1	$ 500.00		$ -		$ -	1	$ 500.00
12	2301-1033060	STANDARD OR SLIP FORM PCC PAVEMENT, CLASS C, CLASS 3 DURABILITY, 6 IN.	SY	$ 55.00	1594	$ 87,670.00		$ -		$ -	1594	$ 87,670.00
13	2301-1033085	STANDARD OR SLIP FORM PCC PAVEMENT, CLASS C, CLASS 3 DURABILITY, 8.5 IN.	SY	$ 56.00	54407	$ 3,046,792.00		$ -		$ -	54407	$ 3,046,792.00
14	2301-6911722	PORTLAND CEMENT CONCRETE PAVEMENT SAMPLES	LS	$ 4,000.00	1	$ 4,000.00		$ -		$ -	1	$ 4,000.00
15	2301-7000110	PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR PCC PAVEMENT THICKNESS (BY SCHEDULE)	EACH	$ 1.00	48967	$ 48,967.00		$ -		$ -	48967	$ 48,967.00
16	2303-0002380	HOT MIX ASPHALT MIXTURE INTERLAYER BASE COURSE, 3/8 IN. MIX	TON	$ 55.00	46	$ 2,530.00		$ -		$ -	46	$ 2,530.00
17	2303-1033500	HOT MIX ASPHALT STANDARD TRAFFIC, SURFACE COURSE, 1/2 IN. MI X, NO SPECIAL FRICTION REQUIREMENT	TON	$ 50.00	19	$ 950.00		$ -		$ -	19	$ 950.00
18	2303-1258283	ASPHALT BINDER, PG 58-28S, STANDARD TRAFFIC	TON	$ 650.00	4	$ 2,600.00		$ -		$ -	4	$ 2,600.00
19	2304-0100000	DETOUR PAVEMENT	SY	$ 60.00	11790	$ 707,400.00		$ -		$ -	11790	$ 707,400.00
20	2312-8260051	GRANULAR SURFACING ON ROAD, CLASS A CRUSHED STONE	TON	$ 26.00	2886	$ 75,036.00		$ -		$ -	2886	$ 75,036.00
21	2316-0000110	PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR PCC PAVEMENT SMOOTHNESS (BY SCHEDULE)	EACH	$ 1.00	40806	$ 40,806.00		$ -		$ -	40806	$ 40,806.00
22	2401-6745356	REMOVAL OF CONCRETE FOOTINGS OF LIGHT POLES	EACH	$ 800.00	56	$ 44,800.00		$ -		$ -	56	$ 44,800.00
23	2401-6745650	REMOVAL OF EXISTING STRUCTURES	LS	$ 50,000.00	1	$ 50,000.00		$ -		$ -	1	$ 50,000.00
24	2401-6745765	REMOVAL OF LIGHT POLES	EACH	$ 400.00	56	$ 22,400.00		$ -		$ -	56	$ 22,400.00
25	2401-6745910	REMOVAL OF SIGN	EACH	$ 80.00	87	$ 6,960.00		$ -		$ -	87	$ 6,960.00
26	2401-6750001	REMOVALS, AS PER PLAN	LS	$ 50,000.00	1	$ 50,000.00		$ -		$ -	1	$ 50,000.00
27	2402-0425031	GRANULAR BACKFILL	TON	$ 30.00	2723	$ 81,690.00		$ -		$ -	2723	$ 81,690.00
28	2402-0425040	FLOODED BACKFILL	CY	$ 40.00	174	$ 6,960.00		$ -		$ -	174	$ 6,960.00
29	2402-2720000	EXCAVATION, CLASS 20	CY	$ 20.00	7505	$ 150,100.00		$ -		$ -	7505	$ 150,100.00
30	2402-2722000	EXCAVATION, CLASS 22	CY	$ 100.00	149	$ 14,900.00		$ -		$ -	149	$ 14,900.00
31	2402-3825025	GRANULAR MATERIAL FOR BLANKET	CY	$ 70.00	509	$ 35,630.00		$ -		$ -	509	$ 35,630.00
32	2403-0100000	STRUCTURAL CONCRETE (MISC)	CY	$ 1,400.00	286	$ 399,840.00		$ -		$ -	286	$ 399,840.00
33	2403-0100020	STRUCTURAL CONCRETE (RCB)	CY	$ 700.00	1448	$ 1,013,460.00		$ -		$ -	1448	$ 1,013,460.00
34	2404-7775000	REINFORCING STEEL	LB	$ 2.00	274210	$ 548,420.00		$ -		$ -	274210	$ 548,420.00
35	2414-6444100	STEEL PIPE PEDESTRIAN HAND RAILING	LF	$ 200.00	250	$ 50,000.00		$ -		$ -	250	$ 50,000.00
36	2414-6460000	ORNAMENTAL METAL RAILING	LF	$ 300.00	454	$ 136,200.00		$ -		$ -	454	$ 136,200.00
37	2415-2110804	PRECAST CONCRETE BOX CULVERT, 8 FT. X 4 FT.	LF	$ 1,265.00	235	$ 297,275.00		$ -		$ -	235	$ 297,275.00
38	2415-2200804	PRECAST CONCRETE BOX CULVERT, STRAIGHT END SECTION, 8 FT. X 4 FT.	EACH	$ 7,500.00	1	$ 7,500.00		$ -		$ -	1	$ 7,500.00
39	2416-0100024	APRONS, CONCRETE, 24 IN. DIA.	EACH	$ 1,500.00	1	$ 1,500.00		$ -		$ -	1	$ 1,500.00
40	2430-0000100	MODULAR BLOCK RETAINING WALL	SF	$ 50.00	148	$ 7,400.00		$ -		$ -	148	$ 7,400.00
41	2435-0130148	MANHOLE, SANITARY SEWER, SW-301, 48 IN.	EACH	$ 6,000.00	27	$ 162,000.00		$ -		$ -	27	$ 162,000.00
42	2435-0140148	MANHOLE, STORM SEWER, SW-401, 48 IN.	EACH	$ 4,500.00	6	$ 27,000.00		$ -		$ -	6	$ 27,000.00
43	2435-0140160	MANHOLE, STORM SEWER, SW-401, 60 IN.	EACH	$ 6,000.00	3	$ 18,000.00		$ -		$ -	3	$ 18,000.00
44	2435-0140200	MANHOLE, STORM SEWER, SW-402, 6 X 6	EACH	$ 6,000.00	1	$ 6,000.00		$ -		$ -	1	$ 6,000.00
45	2435-0250248	INTAKE, SW-502, 48 IN.	EACH	$ 4,000.00	1	$ 4,000.00		$ -		$ -	1	$ 4,000.00
46	2435-0250260	INTAKE, SW-502, 60 IN.	EACH	$ 6,250.00	5	$ 31,250.00		$ -		$ -	5	$ 31,250.00
47	2435-0250272	INTAKE, SW-502, 72 IN.	EACH	$ 7,500.00	1	$ 7,500.00		$ -		$ -	1	$ 7,500.00
48	2435-0250284	INTAKE, SW-502, 84 IN.	EACH	$ 10,000.00	1	$ 10,000.00		$ -		$ -	1	$ 10,000.00
49	2435-0250500	INTAKE, SW-505	EACH	$ 6,000.00	5	$ 30,000.00		$ -		$ -	5	$ 30,000.00
50	2435-0250510	INTAKE, SW-505 MODIFIED TRIPLE	EACH	$ 8,000.00	5	$ 40,000.00		$ -		$ -	5	$ 40,000.00
51	2435-0250600	INTAKE, SW-506	EACH	$ 6,000.00	2	$ 12,000.00		$ -		$ -	2	$ 12,000.00
52	2435-0250610	INTAKE, SW-506 MODIFIED TRIPLE	EACH	$ 8,000.00	2	$ 16,000.00		$ -		$ -	2	$ 16,000.00
53	2435-0250700	INTAKE, SW-507	EACH	$ 6,000.00	28	$ 168,000.00		$ -		$ -	28	$ 168,000.00
54	2435-0250800	INTAKE, SW-508	EACH	$ 6,500.00	2	$ 13,000.00		$ -		$ -	2	$ 13,000.00
55	2435-0250900	INTAKE, SW-509	EACH	$ 6,500.00	48	$ 312,000.00		$ -		$ -	48	$ 312,000.00
56	2435-0250914	INTAKE, SW-509 MODIFIED, TOP ONLY	EACH	$ 3,000.00	2	$ 6,000.00		$ -		$ -	2	$ 6,000.00
57	2435-0251000	INTAKE, SW-510	EACH	$ 7,500.00	4	$ 30,000.00		$ -		$ -	4	$ 30,000.00
58	2435-0254100	INTAKE, SW-541	EACH	$ 7,000.00	2	$ 14,000.00		$ -		$ -	2	$ 14,000.00
59	2435-0254200	INTAKE, SW-542	EACH	$ 7,000.00	5	$ 35,000.00		$ -		$ -	5	$ 35,000.00
60	2435-0400308	INTERNAL DROP CONNECTION, SW-308	EACH	$ 2,200.00	1	$ 2,200.00		$ -		$ -	1	$ 2,200.00
61	2435-0600010	MANHOLE ADJUSTMENT, MINOR	EACH	$ 1,500.00	7	$ 10,500.00		$ -		$ -	7	$ 10,500.00
62	2435-0600020	MANHOLE ADJUSTMENT, MAJOR	EACH	$ 2,500.00	1	$ 2,500.00		$ -		$ -	1	$ 2,500.00
63	2435-0700020	CONNECTION TO EXISTING INTAKE	EACH	$ 1,500.00	5	$ 7,500.00		$ -		$ -	5	$ 7,500.00
64	2502-8212036	SUBDRAIN, LONGITUDINAL, (SHOULDER) 6 IN. DIA.	LF	$ 17.00	10698	$ 181,866.00		$ -		$ -	10698	$ 181,866.00
65	2502-8221303	SUBDRAIN OUTLET, DR-303	EACH	$ 250.00	142	$ 35,500.00		$ -		$ -	142	$ 35,500.00
66	2503-0111015	STORM SEWER GRAVITY MAIN, TRENCHED, HIGH DENSITY POLYETHYLEN E PIPE (HDPE), 15 IN.	LF	$ 51.00	1301	$ 66,351.00		$ -		$ -	1301	$ 66,351.00
67	2503-0111018	STORM SEWER GRAVITY MAIN, TRENCHED, HIGH DENSITY POLYETHYLEN E PIPE (HDPE), 18 IN.	LF	$ 55.00	414	$ 22,770.00		$ -		$ -	414	$ 22,770.00
68	2503-0111024	STORM SEWER GRAVITY MAIN, TRENCHED, HIGH DENSITY POLYETHYLEN E PIPE (HDPE), 24 IN.	LF	$ 59.00	1135	$ 66,965.00		$ -		$ -	1135	$ 66,965.00
69	2503-0111030	STORM SEWER GRAVITY MAIN, TRENCHED, HIGH DENSITY POLYETHYLEN E PIPE (HDPE), 30 IN.	LF	$ 80.00	802	$ 64,160.00		$ -		$ -	802	$ 64,160.00
70	2503-0111036	STORM SEWER GRAVITY MAIN, TRENCHED, HIGH DENSITY POLYETHYLEN E PIPE (HDPE), 36 IN.	LF	$ 100.00	159	$ 15,900.00		$ -		$ -	159	$ 15,900.00
71	2503-0114212	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 12 IN.	LF	$ 60.00	15	$ 900.00		$ -		$ -	15	$ 900.00
72	2503-0114215	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 15 IN.	LF	$ 65.00	2775	$ 180,375.00		$ -		$ -	2775	$ 180,375.00
73	2503-0114218	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 18 IN.	LF	$ 70.00	1146	$ 80,220.00		$ -		$ -	1146	$ 80,220.00
74	2503-0114224	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 24 IN.	LF	$ 90.00	1303	$ 117,270.00		$ -		$ -	1303	$ 117,270.00
75	2503-0114230	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 30 IN.	LF	$ 105.00	450	$ 47,250.00		$ -		$ -	450	$ 47,250.00
76	2503-0114236	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 36 IN.	LF	$ 120.00	671	$ 80,520.00		$ -		$ -	671	$ 80,520.00
77	2503-0114242	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 42 IN.	LF	$ 150.00	11	$ 1,650.00		$ -		$ -	11	$ 1,650.00
78	2503-0200036	REMOVE STORM SEWER PIPE LESS THAN OR EQUAL TO 36 IN.	LF	$ 24.00	4579	$ 109,896.00		$ -		$ -	4579	$ 109,896.00
79	2503-0200136	REMOVE STORM SEWER PIPE GREATER THAN 36 IN.	LF	$ 44.00	147	$ 6,468.00		$ -		$ -	147	$ 6,468.00
80	2503-0200341	STORM SEWER ABANDONMENT, FILL AND PLUG, LESS THAN OR EQUAL T O 36 IN. DIA.	LF	$ 68.00	41	$ 2,788.00		$ -		$ -	41	$ 2,788.00
81	2504-0112227	SANITARY SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 27 IN.	LF	$ 400.00	103	$ 41,200.00		$ -		$ -	103	$ 41,200.00
82	2504-0114008	SANITARY SEWER GRAVITY MAIN, TRENCHED, PVC, 8 IN., TRUSS	LF	$ 80.00	1563	$ 125,040.00		$ -		$ -	1563	$ 125,040.00
83	2504-0114010	SANITARY SEWER GRAVITY MAIN, TRENCHED, PVC, 10 IN., TRUSS	LF	$ 85.00	126	$ 10,710.00		$ -		$ -	126	$ 10,710.00
84	2504-0114012	SANITARY SEWER GRAVITY MAIN, TRENCHED, PVC, 12 IN., TRUSS	LF	$ 95.00	383	$ 36,385.00		$ -		$ -	383	$ 36,385.00
85	2504-0114015	SANITARY SEWER GRAVITY MAIN, TRENCHED, PVC, 15 IN., TRUSS	LF	$ 105.00	5027	$ 527,835.00		$ -		$ -	5027	$ 527,835.00
86	2504-0134008	SANITARY SEWER GRAVITY MAIN WITH CASING PIPE, TRENCHED, PVC, 8 IN., TRUSS	LF	$ 290.00	30	$ 8,700.00		$ -		$ -	30	$ 8,700.00
87	2504-0200404	SANITARY SEWER SERVICE STUB, POLYVINYL CHLORIDE PIPE (PVC), 4 IN.	LF	$ 70.00	4493	$ 314,510.00		$ -		$ -	4493	$ 314,510.00
88	2504-0240036	REMOVE SANITARY SEWER PIPE LESS THAN OR EQUAL TO 36 IN.	LF	$ 25.00	6846	$ 171,150.00		$ -		$ -	6846	$ 171,150.00
89	2505-4008300	STEEL BEAM GUARDRAIL	LF	$ 32.00	128	$ 4,096.00		$ -		$ -	128	$ 4,096.00
90	2507-3250005	ENGINEERING FABRIC	SY	$ 4.00	1023	$ 4,092.00		$ -		$ -	1023	$ 4,092.00
91	2507-4011100	CONCRETE GROUT FOR REVETMENT OF GABION	CY	$ 250.00	36	$ 9,000.00		$ -		$ -	36	$ 9,000.00
92	2507-6800061	REVETMENT, CLASS E	TON	$ 60.00	1040	$ 62,400.00		$ -		$ -	1040	$ 62,400.00
93	2510-6745850	REMOVAL OF PAVEMENT	SY	$ 9.00	70195	$ 631,755.00		$ -		$ -	70195	$ 631,755.00
94	2510-6750600	REMOVAL OF INTAKE AND UTILITY ACCESS	EACH	$ 650.00	115	$ 74,750.00		$ -		$ -	115	$ 74,750.00
95	2511-6745900	REMOVAL OF SIDEWALK	SY	$ 10.00	8291	$ 82,910.00		$ -		$ -	8291	$ 82,910.00
96	2511-7526004	SIDEWALK, PCC, 4 IN.	SY	$ 45.00	9624	$ 433,080.00		$ -		$ -	9624	$ 433,080.00
97	2511-7526006	SIDEWALK, PCC, 6 IN.	SY	$ 50.00	1392	$ 69,600.00		$ -		$ -	1392	$ 69,600.00
98	2511-7528101	DETECTABLE WARNING	SF	$ 49.00	2100	$ 102,900.00		$ -		$ -	2100	$ 102,900.00
99	2512-1725206	CURB AND GUTTER, P.C. CONCRETE, 2.0 FT.	LF	$ 29.00	288	$ 8,352.00		$ -		$ -	288	$ 8,352.00
100	2512-1859000	CURB, SPECIAL, AS PER PLAN	LF	$ 70.00	447	$ 31,290.00		$ -		$ -	447	$ 31,290.00
101	2515-2475006	DRIVEWAY, PCC, 6 IN.	SY	$ 65.00	4226	$ 274,690.00		$ -		$ -	4226	$ 274,690.00
102	2515-6745600	REMOVAL OF PAVED DRIVEWAY	SY	$ 12.00	5261	$ 63,132.00		$ -		$ -	5261	$ 63,132.00
103	2516-8625000	COMBINED CONCRETE SIDEWALK AND RETAINING WALL	CY	$ 825.00	316	$ 260,700.00		$ -		$ -	316	$ 260,700.00
104	2519-4200090	REMOVAL AND REINSTALLATION OF FENCE, WOOD	LF	$ 65.00	47	$ 3,055.00		$ -		$ -	47	$ 3,055.00
105	2520-3350015	FIELD OFFICE	EACH	$ 25,000.00	1	$ 25,000.00		$ -		$ -	1	$ 25,000.00
106	2523-0000100	LIGHTING POLES	EACH	$ 3,000.00	84	$ 252,000.00		$ -		$ -	84	$ 252,000.00
107	2523-0000200	ELECTRICAL CIRCUITS	LF	$ 20.00	14170	$ 283,400.00		$ -		$ -	14170	$ 283,400.00
108	2523-0000310	HANDHOLE AND JUNCTION BOX	EACH	$ 600.00	9	$ 5,400.00		$ -		$ -	9	$ 5,400.00
109	2524-6765010	REMOVE AND REINSTALL SIGN AS PER PLAN	EACH	$ 300.00	13	$ 3,900.00		$ -		$ -	13	$ 3,900.00
110	2524-9276010	PERFORATED SQUARE STEEL TUBE POSTS	LF	$ 12.00	1320	$ 15,840.00		$ -		$ -	1320	$ 15,840.00
111	2524-9276021	PERFORATED SQUARE STEEL TUBE POST ANCHOR, BREAK-AWAY SOIL IN STALLATION	EACH	$ 200.00	109	$ 21,800.00		$ -		$ -	109	$ 21,800.00
112	2524-9276024	PERFORATED SQUARE STEEL TUBE POST ANCHOR, BREAK-AWAY CONCRET E INSTALLATION	EACH	$ 450.00	24	$ 10,800.00		$ -		$ -	24	$ 10,800.00
113	2524-9325001	TYPE A SIGNS, SHEET ALUMINUM	SF	$ 24.00	1176	$ 28,224.00		$ -		$ -	1176	$ 28,224.00
114	2525-0000100	TRAFFIC SIGNALIZATION	LS	$ 250,000.00	1	$ 250,000.00		$ -		$ -	1	$ 250,000.00
115	2525-0000120	REMOVAL OF TRAFFIC SIGNALIZATION	LS	$ 35,000.00	1	$ 35,000.00		$ -		$ -	1	$ 35,000.00
116	2526-8285000	CONSTRUCTION SURVEY	LS	$ 195,000.00	1	$ 195,000.00		$ -		$ -	1	$ 195,000.00
117	2527-9263109	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	STA	$ 70.00	620.3	$ 43,421.00		$ -		$ -	620	$ 43,421.00
118	2527-9263131	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS	STA	$ 125.00	180.6	$ 22,575.00		$ -		$ -	181	$ 22,575.00
119	2527-9263137	PAINTED SYMBOLS AND LEGENDS, WATERBORNE OR SOLVENT-BASED	EACH	$ 115.00	180	$ 20,700.00		$ -		$ -	180	$ 20,700.00
120	2527-9263180	PAVEMENT MARKINGS REMOVED	STA	$ 32.00	239	$ 7,635.20		$ -		$ -	239	$ 7,635.20
121	2528-2518000	SAFETY CLOSURES	EACH	$ 150.00	56	$ 8,400.00		$ -		$ -	56	$ 8,400.00
122	2528-5160000	NO EXCUSE ROAD OPENING BONUS, SITE ID 01, 11/15/2023	LS	$ 215,000.00			1	$ 215,000.00		$ -	1	$ 215,000.00
123	2528-5160000	NO EXCUSE ROAD OPENING BONUS, SITE ID 02, 11/15/2024	LS	$ 215,000.00			1	$ 215,000.00		$ -	1	$ 215,000.00
124	2528-8400048	TEMPORARY BARRIER RAIL, CONCRETE	LF	$ 20.00	12750	$ 255,000.00		$ -		$ -	12750	$ 255,000.00
125	2528-8400256	TEMPORARY TRAFFIC SIGNALS	EACH	$ 20,000.00	8	$ 160,000.00		$ -		$ -	8	$ 160,000.00
126	2528-8445110	TRAFFIC CONTROL	LS	$ 390,000.00	1	$ 390,000.00		$ -		$ -	1	$ 390,000.00
127	2528-9290050	PORTABLE DYNAMIC MESSAGE SIGN (PDMS)	CDAY	$ 150.00	112	$ 16,800.00		$ -		$ -	112	$ 16,800.00
128	2533-4980005	MOBILIZATION	LS	$ 975,000.00	1	$ 975,000.00		$ -		$ -	1	$ 975,000.00
129	2552-0000300	TRENCH COMPACTION TESTING	LS	$ 6,000.00	1	$ 6,000.00		$ -		$ -	1	$ 6,000.00
130	2554-0112004	WATER MAIN, TRENCHED, DIP, CLASS 52, 4 IN.	LF	$ 75.00		$ -	246	$ 18,450.00		$ -	246	$ 18,450.00
131	2554-0112006	WATER MAIN, TRENCHED, DIP, CLASS 52, 6 IN.	LF	$ 80.00		$ -	133	$ 10,640.00		$ -	133	$ 10,640.00
132	2554-0112008	WATER MAIN, TRENCHED, DIP, CLASS 52, 8 IN.	LF	$ 85.00		$ -	1368	$ 116,280.00		$ -	1368	$ 116,280.00
133	2554-0112012	WATER MAIN, TRENCHED, DIP, CLASS 52, 12 IN.	LF	$ 100.00		$ -	7768	$ 776,800.00		$ -	7768	$ 776,800.00
134	2554-0203000	FITTINGS BY WEIGHT, DUCTILE IRON	LB	$ 15.00		$ -	13177	$ 197,655.00		$ -	13177	$ 197,655.00
135	2554-0205107	WATER SERVICE STUB, COPPER, 3/4 IN.	LF	$ 35.00		$ -	2875	$ 100,625.00		$ -	2875	$ 100,625.00
136	2554-0205110	WATER SERVICE STUB, COPPER, 1 IN.	LF	$ 37.00		$ -	548	$ 20,276.00		$ -	548	$ 20,276.00
137	2554-0205115	WATER SERVICE STUB, COPPER, 1 1/2 IN.	LF	$ 39.00		$ -	317	$ 12,363.00		$ -	317	$ 12,363.00
138	2554-0205600	WATER SERVICE CURB STOP AND BOX	EACH	$ 750.00		$ -	114	$ 85,500.00		$ -	114	$ 85,500.00
139	2554-0207004	VALVE, GATE, DIP, 4 IN.	EACH	$ 1,250.00		$ -	5	$ 6,250.00		$ -	5	$ 6,250.00
140	2554-0207008	VALVE, GATE, DIP, 8 IN.	EACH	$ 2,500.00		$ -	19	$ 47,500.00		$ -	19	$ 47,500.00
141	2554-0207012	VALVE, GATE, DIP, 12 IN.	EACH	$ 3,000.00		$ -	26	$ 78,000.00		$ -	26	$ 78,000.00
142	2554-0210201	FIRE HYDRANT ASSEMBLY, WM-201	EACH	$ 6,000.00		$ -	26	$ 156,000.00		$ -	26	$ 156,000.00
143	2554-0210205	FIRE HYDRANT ASSEMBLY REMOVAL	EACH	$ 850.00		$ -	14	$ 11,900.00		$ -	14	$ 11,900.00
144	2554-0212050	VALVE BOX REMOVAL	EACH	$ 300.00		$ -	42	$ 12,600.00		$ -	42	$ 12,600.00
145	2555-0000010	DELIVER AND STOCKPILE SALVAGED MATERIALS	LS	$ 500.00		$ -	1	$ 500.00		$ -	1	$ 500.00
146	2599-9999003	CONCRETE STEPS, CAST-IN-PLACE	CY	$ 800.00	62	$ 49,600.00		$ -		$ -	62	$ 49,600.00
147	2599-9999003	LANDSCAPING, PLANTING SOIL	CY	$ 35.00		$ -		$ -	74	$ 2,590.00	74	$ 2,590.00
148	2599-9999005	GASKET, FIELD LOK, WATER MAIN, 12 IN	EACH	$ 235.00		$ -	59	$ 13,865.00		$ -	59	$ 13,865.00
149	2599-9999005	GASKET, FIELD LOK, WATER MAIN, 4 IN	EACH	$ 190.00		$ -	3	$ 570.00		$ -	3	$ 570.00
150	2599-9999005	GASKET, FIELD LOK, WATER MAIN, 6 IN	EACH	$ 205.00		$ -	1	$ 205.00		$ -	1	$ 205.00
151	2599-9999005	GASKET, FIELD LOK, WATER MAIN, 8 IN	EACH	$ 220.00		$ -	22	$ 4,840.00		$ -	22	$ 4,840.00
152	2599-9999005	GASKET, NITRILE, WATER MAIN, 12 IN	EACH	$ 90.00		$ -	69	$ 6,210.00		$ -	69	$ 6,210.00
153	2599-9999005	GASKET, NITRILE, WATER MAIN, 4 IN	EACH	$ 60.00		$ -	8	$ 480.00		$ -	8	$ 480.00
154	2599-9999005	GASKET, NITRILE, WATER MAIN, 8 IN	EACH	$ 80.00		$ -	58	$ 4,640.00		$ -	58	$ 4,640.00
155	2599-9999005	LANDSCAPING, BENCHES	EACH	$ 3,000.00		$ -		$ -	4	$ 12,000.00	4	$ 12,000.00
156	2599-9999005	LANDSCAPING, BUS SHELTERS	EACH	$ 15,000.00		$ -		$ -	4	$ 60,000.00	4	$ 60,000.00
157	2599-9999005	LANDSCAPING, PLANTS	EACH	$ 35.00		$ -		$ -	213	$ 7,455.00	213	$ 7,455.00
158	2599-9999005	LANDSCAPING, TRASH RECEPTACLES	EACH	$ 2,200.00		$ -		$ -	4	$ 8,800.00	4	$ 8,800.00
159	2599-9999005	LANDSCAPING, TREE GRATES	EACH	$ 650.00		$ -		$ -	7	$ 4,550.00	7	$ 4,550.00
160	2599-9999005	LIGHTING POLES 14', INSTALL ONLY	EACH	$ 2,000.00		$ -	7	$ 14,000.00		$ -	7	$ 14,000.00
161	2599-9999005	LIGHTING POLES 33'-6", INSTALL ONLY	EACH	$ 3,000.00		$ -	5	$ 15,000.00		$ -	5	$ 15,000.00
162	2599-9999005	MODIFY STORM SEWER STRUCTURE TOP	EACH	$ 750.00	3	$ 2,250.00		$ -		$ -	3	$ 2,250.00
163	2599-9999005	SUBDRAIN, CLEANOUTS, 6" PVC, TYPE A-1	EACH	$ 500.00	54	$ 27,000.00		$ -		$ -	54	$ 27,000.00
164	2599-9999005	TEMPORARY STORM SEWER CONNECTION	EACH	$ 1,000.00	6	$ 6,000.00		$ -		$ -	6	$ 6,000.00
165	2599-9999009	REMOVAL OF WATER MAIN	LF	$ 12.00		$ -	600	$ 7,200.00		$ -	600	$ 7,200.00
166	2599-9999009	WATER MAIN DIP PIPE INSULATION	LF	$ 115.00		$ -	180	$ 20,700.00		$ -	180	$ 20,700.00
167	2599-9999010	CONCRETE WASHOUT	LS	$ 10,000.00	1	$ 10,000.00		$ -		$ -	1	$ 10,000.00
168	2599-9999010	EMERGENCY VEHICLE WARNING BEACON SYSTEM	LS	$ 20,000.00	1	$ 20,000.00		$ -		$ -	1	$ 20,000.00
169	2599-9999010	LANDSCAPING, 12TH STREET ROUNDABOUT MASONRY COLUMNS	LS	$ 180,000.00		$ -		$ -	1	$ 180

DEPARTMENT OF PUBLIC WORKS

City of Cedar Falls
220 Clay Street
Cedar Falls, Iowa 50613
Phone: 319-268-5161
Fax: 319-268-5197
www.cedarfalls.com

MEMORANDUM
Engineering Division

TO: Honorable Mayor Robert M. Green and City Council

FROM: David Wicke, PE, City Engineer

DATE: October 7, 2022

SUBJECT: Recreational River Area and Riverbank Improvements Project
City Project Number: MC-038-3290
Request for PS&E Approval

Submitted within for City Council approval are the Plans, Specifications, and Estimate of Costs and Quantities for the Recreational River Area and Riverbank Improvements Project.

We recommend setting Monday, November 7th, 2022, at 7:00 p.m. as the date and time for the public hearing on this project and Friday, November 11th, 2022, at 2:00 p.m. as the date and time for receiving and opening bids. We also request that the Notice to Bidders be published by October 21st, 2022. The Plans and Specifications will be ready for distribution to contractors on October 19th, 2022, allowing more than three (3) weeks of review before contract letting.

This project involves the construction of eight in stream water features and upland improvements within, and on the banks, of the Cedar River in Cedar Falls, Iowa.

The total estimated cost for the construction of this project is $5,867,137.00. The City will use General Obligation Bonds, Blackhawk Gaming Grant, Economic Development Administration Grant, Emergency Reserves, Tourism Cash Reserves and Private Donations for the design and construction of this project.

The Plans, Specifications, and Estimate of Costs and Quantities are available for your review at the City Clerk's office or the Engineering Division of the Public Works Department.

xc: Chase Schrage, Director of Public Works

CITY OF CEDAR FALLS, IOWA
RECREATIONAL RIVER AREA AND RIVERBANK IMPROVEMENTS

BLACK HAWK COUNTY
CONSTRUCTION DRAWINGS
EDA AWARD NUMBER 05-79-06164
PROJECT NO. MC-038-3290
SEPTEMBER - BID SET

SHEET INDEX:

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C-03	PAY ITEM DESCRIPTION
C-04	LOCATION MAP & SHEET INDEX
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PROJECT LEGEND

- EXISTING GRADE CONTOURS
- PROPOSED GRADE CONTOURS
- GROUTED BOULDERS
- CONCRETE
- IDOT RIGHT-OF-WAY OR PROPERTY LINE
- GAS LINE CROSSING — GAS —
- WATER LINE CROSSING — W — W —
- KNOWN STORMWATER OUTFALL — STRM
- CONSTRUCTION STAGING AND ACCESS AREAS
- CONSTRUCTION ACCESS ROAD
- COFFERDAM LOCATIONS
- VEHICLE TRACKING CONTROL
- CONCRETE WASHOUT
- STRAW WADDLES
- TRAIL DETOUR ROUTES
- COFFER DAM SEQUENCING

THE CITY OF CEDAR FALLS SHALL HAVE ACCESS TO/THROUGH ALL CONSTRUCTION AREAS AT ANY TIME, IN CASE FLOOD RESPONSE IS NEEDED.

ENGINEER, AS REFERENCED IN THE DRAWINGS, MAY INCLUDE AN ENGINEER AS APPOINTED BY THE CITY OF CEDAR FALLS OR REPRESENTATIVES FROM THE CITY OF CEDAR FALLS. THE OWNER OF THE PROJECT IS THE CITY OF CEDAR FALLS

PROJECT OWNER:

CITY OF CEDAR FALLS
220 CLAY ST
CEDAR FALLS
IA 50613

PROJECT CONSULTANTS:

Riverwise Engineering | align architecture & planning | Recreation Engineering & Planning

THIS PROJECT IS COVERED UNDER THE FOLLOWING PERMITS:

- UNITED STATES ARMY CORPS OF ENGINEERS 404 AND 408 PERMIT NUMBER CEMVR-OD-P-2020-1140
- STATE 401 WATER QUALITY CERTIFICATION NO. 20-1-013-09-02-S
- IOWA DNR TRACKING NUMBER: 88965
- FLOOD PLAN DEVELOPMENT PERMIT NUMBER 88965FP-01
- SECTION 408 REQUEST NUMBER 408-MVR-2020-0009
- PLANS APPROVED AS PER CITY OF CEDAR FALLS FLOODPLAIN PERMIT #21-3439-FLDP
- PLANS APPROVED AS PER CITY OF CEDAR FALLS SWPPP PERMIT #IA-38536-38175
- ADDITIONAL PERMITS MAY BE NECESSARY; THIS LIST SHOULD NOT BE CONSIDERED COMPREHENSIVE.

ENGINEER'S CERTIFICATION

LICENSED PROFESSIONAL ENGINEER DAVID A. WICKE 25684 IOWA

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

SIGNED: DATE: 09/30/2022
DAVID A. WICKE, P.E. IA. LIC. NO. 25684
MY LICENSE RENEWAL DATE IS DECEMBER 31, 2022
PAGES OR SHEETS COVERED BY THIS SEAL:

NOTES:

1) CONTRACTOR PRACTICES AND ALL FINISHED WORK SHALL CONFORM TO THE CITY OF CEDAR FALLS ADOPTED STATEWIDE URBAN DESIGN AND SPECIFICATIONS (SUDAS) PROGRAM (2022 EDITION), INCLUDING ALL LOCAL GOVERNMENTAL SUPPLEMENTAL SPECIFICATIONS AND CITY OF CEDAR FALLS SUPPLEMENTAL SPECIFICATIONS IN EFFECT WITHIN THE APPLICABLE JURISDICTION. ALL AREAS WHERE WORK IS PERFORMED OR AFFECTED BY THE WORK SHALL BE RETURNED TO A CONDITION EQUAL TO OR BETTER THAN THEIR ORIGINAL CONDITION. THE CEDAR FALLS CITY ENGINEER WILL GIVE FINAL DETERMINATION WHETHER ALL "RETURNED CONDITIONS" ARE EQUAL TO OR BETTER THAN THE ORIGINAL (AND ACCEPTABLE).

2) THE CONTRACTOR IS REQUIRED TO CONTACT THE U.S. ARMY CORPS OF ENGINEERS ROCK ISLAND DISTRICT 72 HOURS PRIOR TO COMMENCING WORK. THE CONTACT IS MR. LEO KELLER, 309-794-5720.

3) THE CONTRACTOR IS TO ACQUIRE AN NPDES PERMIT PRIOR TO MOBILIZATION.

ENGINEER OF RECORD

Riverwise Engineering

RIVERWISE ENGINEERING, LLC
PO BOX 706
DURANGO, CO 81301
(303) 808-7734
WWW.RIVERWISE.ORG

LANDSCAPE ARCHITECT

align architecture & planning

ALIGN ARCHITECTURE & PLANNING
327 EAST FOURTH STREET
SUITE 204
WATERLOO, IOWA 50703
(319) 233-1163
WWW.ALIGNPLC.COM

IOWA ONE CALL
1-800-292-8989
www.iowaonecall.com
811 Know what's below. Call before you dig.

ENGINEER'S CERTIFICATION

LICENSED PROFESSIONAL ENGINEER SHANE A. SIGLE 21194 IOWA 9/10/21

I HEREBY CERTIFY THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA

SIGNED: DATE: 9/23/22
SHANE SIGLE, P.E. IA LIC. NO. 21194
MY LICENSE RENEWAL DATE IS DECEMBER 31, 2022
PAGES OR SHEETS COVERED BY THIS SEAL: C-1 to C-26, T-1 TO T-8, D-1 TO D-11

REGISTERED LANDSCAPE ARCHITECT LARRY RAYMOND KURTZ 00302 STATE OF IOWA Sept. 23, 2022

The portion of this technical submission described below has been prepared under the direct supervision & responsible charge of the undersigned.

Larry R. Kurtz
Signature
Discipline: Landscape Architect
Iowa Registration No.: 00302
Pages of Sheets covered by this seal: L0 Thru L8
Date of Issuance: September 23, 2022

MAYOR
ROBERT GREEN
COUNCIL PERSONS
GILL SCHULTZ
SUSAN DEBUHR
DARYL KRUSE
SIMON HARDING
DUSTIN GANFIED
KELLY DUNN
DAVE SIRES

Riverwise Engineering

RIVERWISE ENGINEERING, LLC
PO BOX 706
DURANGO | CO | 81302
WWW.RIVERWISE.ORG

LICENSED PROFESSIONAL ENGINEER SHANE A. SIGLE 21194 IOWA 4/23/21

PROJECT OWNER:
CITY OF CEDAR FALLS
220 CLAY STREET
CEDAR FALLS, IA
50613

RIVER AREA & RIVERBANK IMPROVEMENTS
CEDAR RIVER
BLACK HAWK COUNTY
PRELIMINARY - NOT FOR CONSTRUCTION
TABLE OF CONTENTS AND SIGNATURES

REVISIONS:

NO.	DATE

DESIGNED: SS, MH, LK, RG
CHECKED: SS DRAFTED: RG
PLOT DATE: 9/23/2022

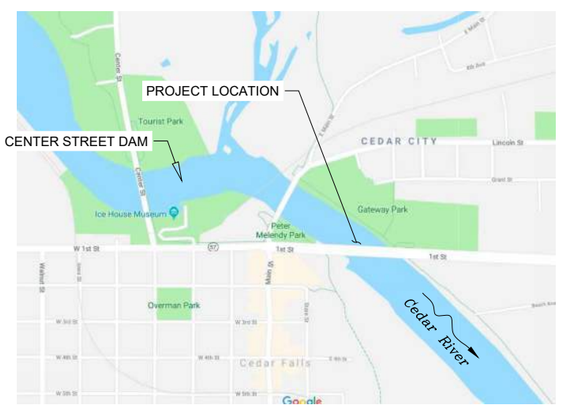
DRAWING NO.
C-01

CITY OF CEDAR FALLS, IOWA
RECREATIONAL RIVER AREA AND RIVERBANK IMPROVEMENTS

BLACK HAWK COUNTY

VICINITY MAP

SCALE: 1"=3,000' (FOR 22X34" SHEETS)



SITE PLAN

SCALE: 1"=1000' (FOR 22X34" SHEETS)

PROJECT NOTES:

1. AN ENGINEER AS APPOINTED BY THE CITY OF CEDAR FALLS OR REPRESENTATIVES FROM THE CITY OF CEDAR FALLS SHALL BE PRESENT FOR CONSTRUCTION OF KEY ASPECTS OF THIS PROJECT
2. CONTRACTOR SHALL COMPLY WITH ALL CONDITIONS IN THE PERMIT LIST ON SHEET C-01 AND ANY ADDITIONAL PERMITS THAT ARE NEEDED
3. CONTRACTOR SHALL CONTACT APPROPRIATE UTILITY LOCATE AUTHORITY PRIOR TO CONSTRUCTION. IOWA ONE CALL-TOLL FREE- 800-292-8989 CALL BEFORE YOU DIG

PERMIT REVIEW NOTES:

1. FLOOD CONTINGENCY PLAN INCLUDED WITH DRAWINGS
2. USACOE PERMITS ARE VALID FOR 5 YEARS
3. NO MODIFICATIONS TO THE FEDERAL LEVEE PROJECT ON THE RIGHT DESCENDING BANK SHALL OCCUR WITHOUT WRITTEN APPROVAL

SURVEY NOTES:

1. EXISTING GROUND DATA BASED ON CONTOUR DATA FROM AECOM SURVEY 2005.
2. VERTICAL DATUM: NAVD88
3. HORIZONTAL COORDINATE SYSTEM: NAD83 IOWA STATE PLANES, NORTH ZONE, US FOOT

PROJECT LOCATION:

LATITUDE 42°32'17.0"N
LONGITUDE 92°26'33.2"W

BLACK HAWK COUNTY

ABBREVIATIONS:

AVG	AVERAGE	NTS	NOT TO SCALE
DTL	DETAIL	OC	ON CENTER
E	EAST	OHWM	ORDINARY HIGH WATER MARK
ELEV	ELEVATION	SHT	SHEET
FT	FEET	STA	STATION
IN	INCHES	STD	STANDARD
MAX	MAXIMUM	TYP	TYPICAL
MIN	MINIMUM	W	WEST
N	NORTH	S	SOUTH

PROJECT UTILITY CONTACTS:

IOWA ONE CALL-TOLL FREE- CALL BEFORE YOU DIG 1-800-292-8989

Cedar Falls Utilities - 319-266-1761
Cedar Falls Waterworks- Brian Heath, O & M Division Manager- 319-273-8629
Cedar Falls Stormwater Pollution Contact- 319-273-8668
Water Reclamation - Mike Nyman - 319-273-8633
Century Link - 319-538-7215
Qwest-Von Dougherty- 319-399-7487
MediaCom-Kevin Parker- 319-232-8800
MidAmerica Energy (Electric)- 319-291-4667
MidAmerica Energy (Gas)- 319-291-4623

Riverwise Engineering
RIVERWISE ENGINEERING, LLC
PO BOX 706
DURANGO | CO | 81302
WWW.RIVERWISE.ORG

LICENSED PROFESSIONAL ENGINEER
4/23/22
SHANE A. SIGLE
21194
IOWA

PROJECT OWNER:
CITY OF CEDAR FALLS
220 CLAY STREET
CEDAR FALLS, IA
50613

RIVER AREA & RIVERBANK IMPROVEMENTS
CEDAR RIVER
BLACK HAWK COUNTY
PRELIMINARY - NOT FOR CONSTRUCTION
LOCATION MAPS AND UTILITY CONTACTS

REVISIONS:

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DRAFTED: RG
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DRAWING NO.
C-02

PAY ITEM DESCRIPTION

Instream Improvements

Item Number	SUDAS Item Number	Description	Estimated Quantity	Unit	Description
1	11,020-A	Mobilization	1	Lump Sum	Includes all costs associated with mobilization for all staging areas including, but not limited to, staging area preparation, bonding, additional BMP's not itemized, waste borrow, topsoil storage, fuel storage, stormwater controls not noted elsewhere, access roads, machinery transportation, staging, removal of all machinery, and restoration of all impacted areas not included in Item #3. No other items associated with mobilization and demobilization will be paid. Includes miscellaneous items needed for the project that are not incidental to other items and not specifically noted as items.
2	2010-B	Clearing and Grubbing	2	ACRE	Remove nine trees located in Construction Access 2 and associated vegetation needed to create a suitable staging area. Includes replacement with equivalent Espresso Kentucky Coffeetree.
3	9010-A	Conventional Seeding, Seeding, Fertilizing, and Mulching	2.8	Acres	Work to be completed consistent with SUDAS Specifications Section 9010- Seeding as noted in the Stormwater Master Plan, and approved by the City of Cedar Falls staff. Use SUDAS Type 4 seeding for erosion control and Type 1 for permanent lawns. Includes one year of warranty.
4	9040-A-2	SWPPP Management	1	LS	Work to be completed per SUDAS 9040, Division 9, part 3.02
5	9040-F-1	Straw Waddle, 9", 25 ft. Length	300	Lin. Ft.	Work to be completed per SUDAS 9040, Division 9, part 3.09
6	9040-N-1	Silt Fencing	1500	Lin. Ft.	Work to be completed per SUDAS 9040, Division 9, part 3.18
7	9040-O-1	Stabilized Construction Entrance	1157	SY	Work to be completed per SUDAS 9040, Division 9, part 3.19
8	9060-A	Chain Link Fence, Galvanized 11.5 Gauge Type, 72" Size	1500	Lin. Ft.	Work to be completed per SUDAS 9060, Part 3.03. Additional anchoring techniques for posts may be proposed and approved by the engineer.
9	9060-F	Temporary Fencing, Orange Plastic 10MIL, 100 ft.	300	Lin. Ft.	Work to be completed per SUDAS 9060, Part 3.03. Additional anchoring techniques for posts may be proposed and approved by the engineer.
10		Cofferdam Installation and Removal	1	Lump Sum	Includes installation, bolstering, maintenance, and removal of all cofferdams associated with the instream structures, as noted in the drawings. The cofferdam materials, configuration, quantity, and location to be determined by contractor. Cofferdam materials may be used in other portions of the project following demolition if the material meets material specifications.
11	11,010-A	Construction Survey	1	Lump Sum	Work to be completed per SUDAS Section 11,010
12		As-Built Construction Survey	1	Lump Sum	Includes as-built survey once project is completed
13	7030-C	Trail Replacement, Shared Use Path, PCC, 6" thick	3,422	SY	Work to be completed per SUDAS Section 7030. Includes removal and disposal of existing trail damaged during access and staging activities.
14	11,050-A	Concrete Washout	2	Each	Work to be completed per SUDAS Section 11,050
15		River Right Access Road	1	Lump Sum	Includes creation, bolstering, maintenance, and removal of the river right access road as noted in the drawings.
		Structure #2- Put-in River Right			
16		Boulder Fill: Includes excavation/fill, placement, grouting (Paid Separately), and backfill.	166	Tons	Includes acquisition of boulders, transport, placement as directed, preparation for grouting, testing, modifications as noted in the bid narrative, and final grading.
17		Boulder Fill Grouting: Includes preparation, grouting of voids, and cleaning. Grout fill assumed to be 50% of Boulder Fill voids.	77	Cubic Yards Concrete	Includes acquisition of grout, transport, preparation for grouting, placement as directed, finishing, testing, modifications as noted in the bid narrative, and final grading. Grout fill assumed to be 50% of Boulder Fill voids.
18		Concrete - low flow	35	Cubic Yards Concrete	Includes subgrade preparation, forming, approval by RWE representative, placement of concrete, cold-weather precautions (if needed), finishing, testing, modifications, and final approval by RWE representative.
19		Subgrade - Clean angular 3-8" cobble	498	Tons	Includes acquisition, transport, placement, grading, surveying to determine and confirm elevations, and final grading following Boulder Fill placement.
		Structure #3			
20		Boulder Fill: Includes excavation/fill, placement, grouting (Paid Separately), and backfill.	249	Tons	Includes acquisition of boulders, transport, placement as directed, preparation for grouting, testing, modifications as noted in the bid narrative, and final grading.
21		Boulder Fill Grouting: Includes preparation, grouting of voids, and cleaning. Grout fill assumed to be 50% of Boulder Fill voids.	115	Cubic Yards Concrete	Includes acquisition of grout, transport, preparation for grouting, placement as directed, finishing, testing, modifications as noted in the bid narrative, and final grading. Grout fill assumed to be 50% of Boulder Fill voids.
22		Concrete- low flow	22	Cubic Yards Concrete	Includes subgrade preparation, forming, approval by RWE representative, placement of concrete, cold-weather precautions (if needed), finishing, testing, modifications, and final approval by RWE representative.
23		Subgrade - Clean angular 3-8" cobble	371	Tons	Includes acquisition, transport, placement, grading, surveying to determine and confirm elevations, and final grading following Boulder Fill placement.
		Structure #4			
24		Boulder Fill: Includes excavation/fill, placement, grouting (Paid Separately), and backfill.	98	Tons	Includes acquisition of boulders, transport, placement as directed, preparation for grouting, testing, modifications as noted in the bid narrative, and final grading.
25		Boulder Fill Grouting: Includes preparation, grouting of voids, and cleaning. Grout fill assumed to be 50% of Boulder Fill voids.	45	Cubic Yards Concrete	Includes acquisition of grout, transport, preparation for grouting, placement as directed, finishing, testing, modifications as noted in the bid narrative, and final grading. Grout fill assumed to be 50% of Boulder Fill voids.
26		Concrete- low flow	35	Cubic Yards Concrete	Includes subgrade preparation, forming, approval by RWE representative, placement of concrete, cold-weather precautions (if needed), finishing, testing, modifications, and final approval by RWE representative.
27		Subgrade - Clean angular 3-8" cobble	98	Tons	Includes acquisition, transport, placement, grading, surveying to determine and confirm elevations, and final grading following Boulder Fill placement.
		Structure #5			
28		Boulder Fill: Includes excavation/fill, placement, grouting (Paid Separately), and backfill.	200	Tons	Includes acquisition of boulders, transport, placement as directed, preparation for grouting, testing, modifications as noted in the bid narrative, and final grading.
29		Boulder Fill Grouting: Includes preparation, grouting of voids, and cleaning. Grout fill assumed to be 50% of Boulder Fill voids.	93	Cubic Yards Concrete	Includes acquisition of grout, transport, preparation for grouting, placement as directed, finishing, testing, modifications as noted in the bid narrative, and final grading. Grout fill assumed to be 15% of Boulder Fill voids.
30		Concrete- low flow	28	Cubic Yards Concrete	Includes subgrade preparation, forming, approval by RWE representative, placement of concrete, cold-weather precautions (if needed), finishing, testing, modifications, and final approval by RWE representative.
31		Subgrade - Clean angular 3-8" cobble	948	Tons	Includes acquisition, transport, placement, grading, surveying to determine and confirm elevations, and final grading following Boulder Fill placement.
		Structure #6- Take-out River Right			
32		Boulder Fill: Includes excavation/fill, placement, grouting (Paid Separately), and backfill.	312	Tons	Includes acquisition of boulders, transport, placement as directed, preparation for grouting, testing, modifications as noted in the bid narrative, and final grading.
33		Boulder Fill Grouting: Includes preparation, grouting of voids, and cleaning. Grout fill assumed to be 50% of Boulder Fill voids.	145	Cubic Yards Concrete	Includes acquisition of grout, transport, preparation for grouting, placement as directed, finishing, testing, modifications as noted in the bid narrative, and final grading. Grout fill assumed to be 50% of Boulder Fill voids.
34		Subgrade - Clean angular 3-8" cobble	648	Tons	Includes acquisition, transport, placement, grading, surveying to determine and confirm elevations, and final grading following Boulder Fill placement.
		Structure #7- Clay Hole Safety and Recreational Improvements			
35		Boulder Fill: Includes excavation/fill, placement, grouting (Paid Separately), and backfill.	243	Tons	Includes acquisition of boulders, transport, placement as directed, preparation for grouting, testing, modifications as noted in the bid narrative, and final grading.
36		Boulder Fill Grouting: Includes preparation, grouting of voids, and cleaning. Grout fill assumed to be 50% of Boulder Fill voids.	108	Cubic Yards Concrete	Includes acquisition of grout, transport, preparation for grouting, placement as directed, finishing, testing, modifications as noted in the bid narrative, and final grading. Grout fill assumed to be 50% of Boulder Fill voids.
37		Concrete- low flow	115	Cubic Yards Concrete	Includes subgrade preparation, forming, approval by RWE representative, placement of concrete, cold-weather precautions (if needed), finishing, testing, modifications, and final approval by RWE representative.
38		Concrete Demolition and Shaping	1	Lump Sum	Includes demolition, shaping, and partial removal of the existing dam remnants, searching and probing for concrete, rebar, and other construction material remnants from the 1st St. bridge construction, removal, trimming, grading, breaking and reducing sizes of existing material. May include deflection of current to provide better access to pieces that require removal or trimming of exposed and dangerous rebar, flanges, and other metal joints that pose hazards.
39		Subgrade - Clean angular 3-8" cobble	1140	Tons	Includes acquisition, transport, placement, grading, surveying to determine and confirm elevations, and final grading following Boulder Fill placement.
		Structure #8- Take-out River Left			
40		Boulder Fill: Includes excavation/fill, placement, grouting (Paid Separately), and backfill.	68	Cubic Yards Grouted Rock	Includes acquisition of boulders, transport, placement as directed, preparation for grouting, testing, modifications as noted in the bid narrative, and final grading.
41		Boulder Fill Grouting: Includes preparation, grouting of voids, and cleaning. Grout fill assumed to be 50% of Boulder Fill voids.	31	Cubic Yards Concrete	Includes acquisition of grout, transport, preparation for grouting, placement as directed, finishing, testing, modifications as noted in the bid narrative, and final grading. Grout fill assumed to be 50% of Boulder Fill voids.
42		Concrete- low flow	28	Cubic Yards Concrete	Includes subgrade preparation, forming, approval by RWE representative, placement of concrete, cold-weather precautions (if needed), finishing, testing, modifications, and final approval by RWE representative.
43		Subgrade - Clean angular 3-8" cobble	203	Tons	Includes acquisition, transport, placement, grading, surveying to determine and confirm elevations, and final grading following Boulder Fill placement.
		Miscellaneous			
44		Large Random Boulders, 7' Diameter	23	Each	Includes acquisition of boulders, transport, placement as directed, preparation of subgrade, and re-placement/tuning of location as the project progresses. It should be expected that the boulders will be moved and tuned as the project progresses.
45		Miscellaneous Equipment Hours	200	Hours	Includes use of 300 series or larger (approx. 60,000 lbs. or greater) trackhoe as directed by an RWE representative. No work shall occur under this item unless approved by RWE representative in writing.

Upland Improvements

Item Number	SUDAS Item Number	Description	Estimated Quantity	Unit	Description
47	2010-A	Clearing and Grubbing Concrete/Rebar River Clean Up	25	Cubic yards	Relocate from river and river bank all concrete pieces with rebar exposed to be removed from site. Also remove 5.8 cubic yds of concrete walk way from parking lot to bike trail @ North Lot.
48	2010-E	Excavation, Class 13 River Left	220	Cubic Yards	Re shaping of existing rip rap to create grade for concrete walkways. This quantity indicates excess quantity required at the bases and infill required to raise grade. This material can include concrete pieces from other areas during the clearing and grubbing work.
49	2010-E	Excavation, Class 13 River Right	175	Cubic Yards	Re shaping of existing rip rap to create grade for concrete walkways. This quantity indicates excess quantity required at the bases and infill required to raise grade. This material can include concrete pieces from other areas during the clearing and grubbing work.
50	7030-C	Shared Use Path (6' wide 6" depth)	927	SY	Includes layout and leveling of sloped paths per plan. Installation of 4" deep gravel base and rebar finishing and brooming. Coordination and keying into previously placed stone and accommodating planting areas.
51		Special Concrete-stained and stamped	83	SY	Includes preparation and forming to separate river and state boundaries. Finish to be multi colored by color hardener and low profile skin or stamp.
52		Lower Terrace Concrete - special (Turtle)	114	SY	Includes preparation and forming of large turtle shaped concrete landing. Finish to be multi colored by color hardener and low profile skin or stamp per detail.
53		Concrete Expansion Joints and Dowels	20	Each	Provide control joints @ 20 locations per detail at 24" o.c. Typical at all connections to existing bike trail.(14) and at 6 other locations with 90 degree turns from path.
54		Stone Bank Reinforcements	1,218	Tons	Includes excavation of existing rip rap and temp storage and reuse if rip rap as fill at other locations within the project. Also includes coordination and keying into previously placed stone and accommodating concrete walkways, seal chute and planting areas.
55		Specialty Stone @ Upper Plaza	200	Tons	Stone Selected and marked by architect for use at Upper Plaza
56	8020-B	Parking lot Painting, Signs, and Bollards	2	Each	Includes the cleaning of existing seal coat surface and painting of lines and handicap symbols.Also includes the acquisition and placement of 4 handicap signs on posts at each lot. see detail
57		Signage, 4 large and 5 Small	12	Each	Includes the acquisition and installation of 12 signs. 4 Small, 4 medium and 4 monument signs. Engineer will work with sign supplier, and contractor will be responsible for submittals to approve art work by sign supplier. Footing and installation to be included under this line item.
58	9030-C	Planting Trees, Shrubs, Lawns	1	Lump Sum	Includes the acquisition of all trees, shrubs, ground covers, with soil supplied from city, prep and fine grading within 1" of finished grade. To include weed fabric, plant basins, planting bark mulching fertilizer, staking, watering and 1 year warranty from date of installation.

Alternates

Alt. No. 1	Remove Riprap and Replace with Boulder Fill	1507	Tons	Includes removal and disposal of existing riprap, subgrade preparation, acquisition of boulders, transport, placement as directed, preparation for grouting, testing, modifications as noted in the bid narrative, and final grading.
Alt. No. 2	Boulder Fill Grouting: Includes preparation, grouting of voids, and cleaning. Grout fill assumed to be 50% of Boulder Fill voids. Item shall be used in conjunction with Alt. No 1	742	Cubic Yards Concrete	Includes acquisition of grout, transport, preparation for grouting, placement as directed, finishing, testing, modifications as noted in the bid narrative, and final grading. Grout fill assumed to be 50% of Boulder Fill voids.
Alt. No. 3	Lighting at Trees and Main Street Bridge	1	Lump Sum	Includes point of connection inside building to existing back flow preventor and piping to leave building to exterior and trenched to desired location. Include all boxes, quick coupler, and finished grading. Connection to back flow unit to be approved by plumbing inspector . All adhered to plumbing code. See details
Alt. No. 4	Lighting at 1st Street Bridge	1	Lump Sum	Includes Quote for estimate of new Lighting at the 1st Street Bridge. **Provide $130,000 allowance for this item.**
Alt. No 5	Shower	1	Lump Sum	Includes point of connection below grade and trenched to desired location. Includes acquisition of shower and mounting to footing. All per plumbing code requirements.
Alt. No 6	Irrigation	1	Lump Sum	Includes point of connection inside building to existing and piping to leave building to exterior and trenched to desired location. Include all boxes, quick coupler, and finished grading. Connection to existing system. New back flow unit as described on drawing. All adhered to plumbing code. See details
Alt. No. 7	Concrete Mowbands	231	Lin. Ft.	On-grade concrete planting separators per details. Includes cutting material to subgrade, subgrade preparation, sub base placement, forming, placement of concrete and reinforcing and finishing per detail. Dowel to existing concrete paving.
Alt. No. 8	Benches (curved)	3	Each	Provide benches to be placed as directed. Benches should be Thomas Steele Division LOB-6-VICT Lofty Backed Custom Mount or Equivalent, as approved by Engineer. Stone base to be provided for mounting of bench via core drilled holes.

Riverwise Engineering
RIVERWISE ENGINEERING, LLC
PO BOX 706
DURANGO | CO | 81302
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LICENSED PROFESSIONAL ENGINEER
4/23/21
SHANE A. SIGLE
21194
IOWA

PROJECT OWNER:
CITY OF CEDAR FALLS
220 CLAY STREET
CEDAR FALLS, IA
50613

RIVER AREA & RIVERBANK IMPROVEMENTS
CEDAR RIVER BLACK HAWK COUNTY
PRELIMINARY - NOT FOR CONSTRUCTION
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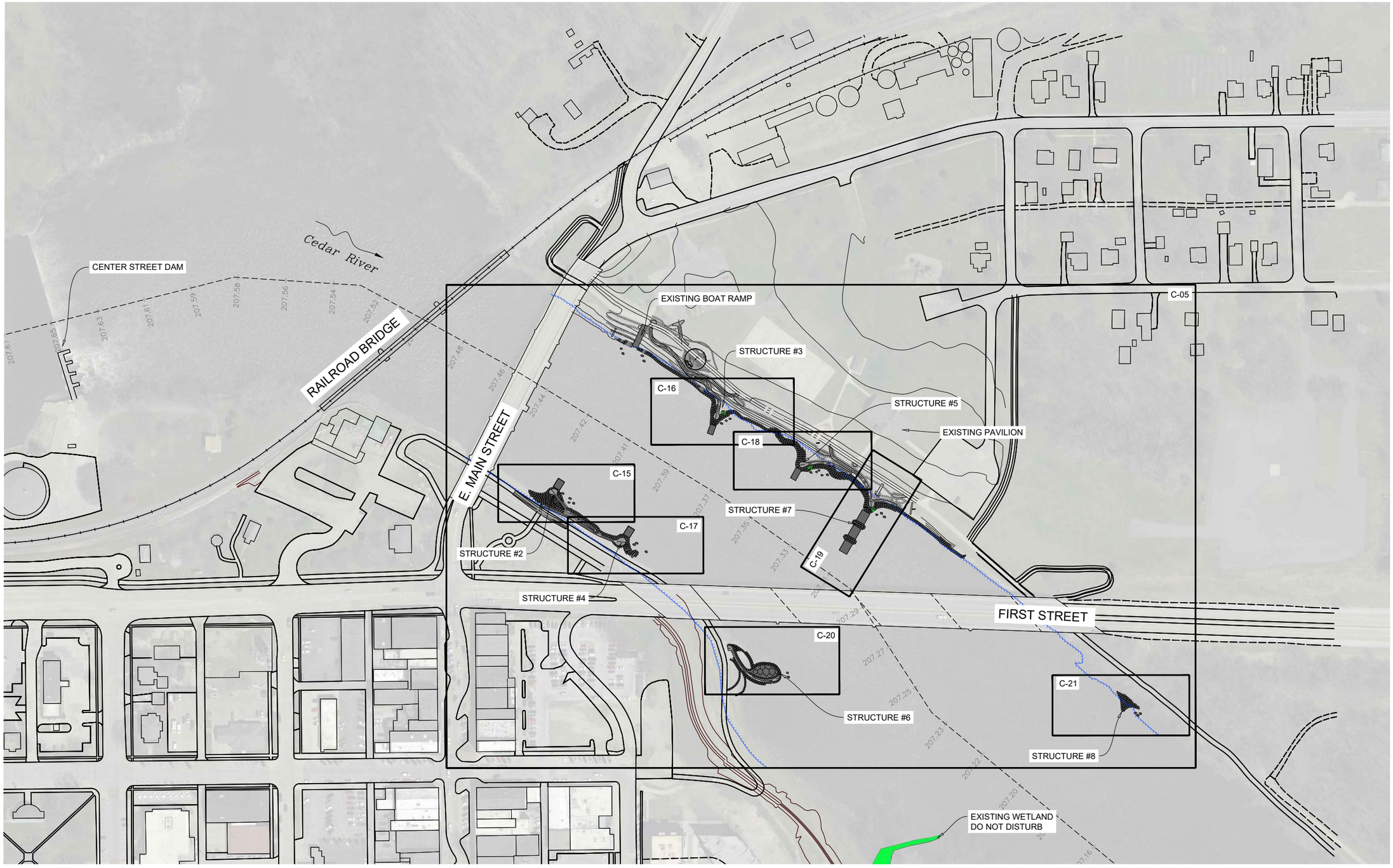
DRAWING NO.
C-03



LOCATION MAP AND SHEET INDEX

N

SCALE BAR 1"=100'

100 0 100

CONTOUR INTERVAL NONE

NOTE:
1. WATER SURFACE EXTENT BREAKLINES SHOWN AS DELINEATED BY AECOM MAY 2016 FOR APPROXIMATE FLOW 6,180CFS
2. RIVER GAGE ZERO=763.10 NGVD29 (DATUM SHIFT NAVD88 MINUS NGVD29 = -0.052FEET)

Riverwise Engineering

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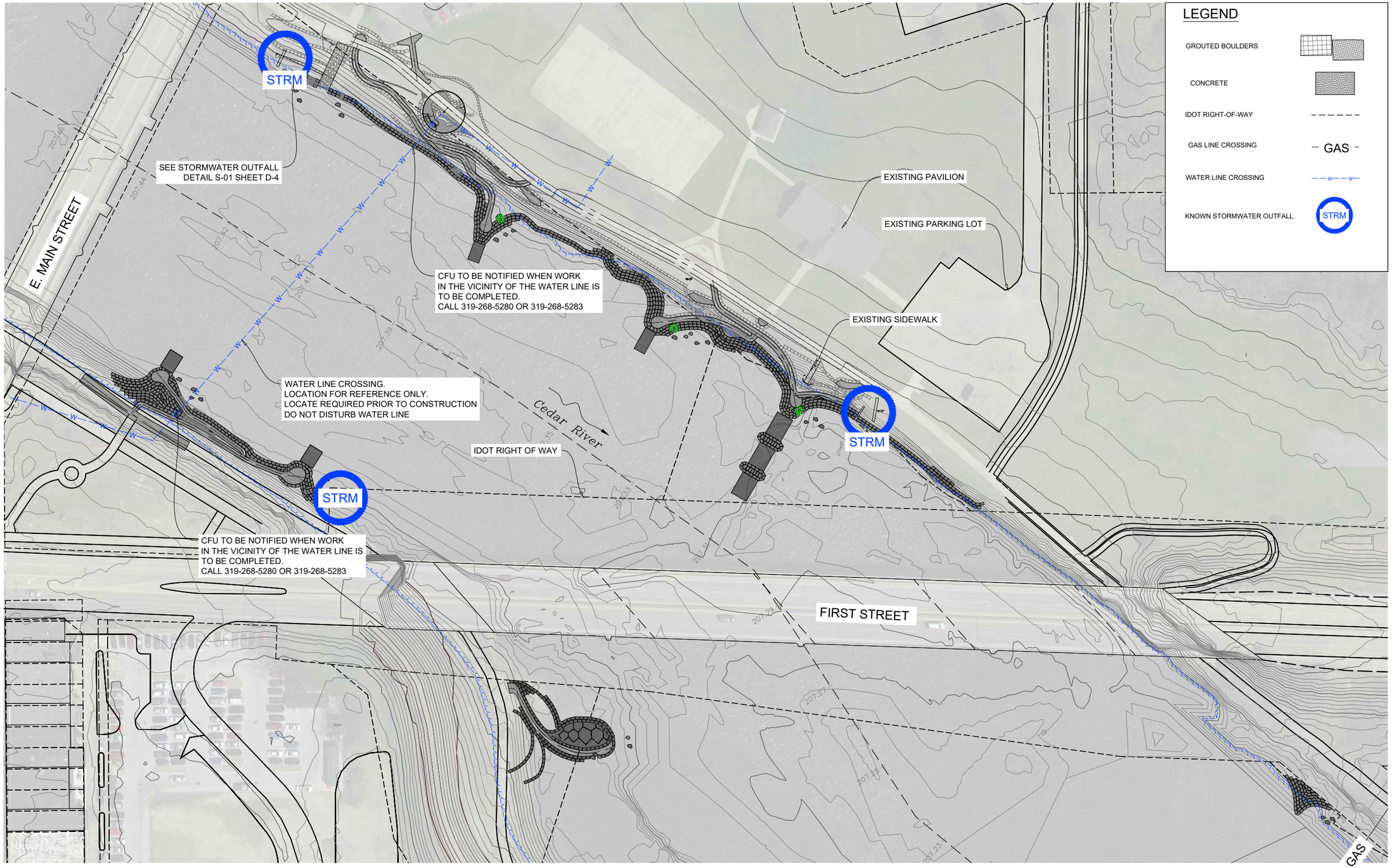
DRAWING NO.

C-04

SHEET C-04



EXISTING UTILITY SITE PLAN
SCALE: 1"=50'

N

SCALE BAR 1"=50'
50 0 50
CONTOUR INTERVAL 1FT

NOTES:
1. WATER AND GAS LINE CROSSINGS SHOWN FOR GENERAL REFERENCE ONLY. LOCATE REQUIRED PRIOR TO CONSTRUCTION TO DETERMINE LOCATION AND ELEVATIONS. DO NOT DISTURB LINES.
2. STORM OUTLETS TO BE MARKED BY CONTRACTOR IN THE FIELD PRIOR TO CONSTRUCTION AND STABILIZED BASED ON THE TYPICAL SHOWN ON DETAIL S-01 SHEET D-4

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RIVER AREA & RIVERBANK IMPROVEMENTS
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EXISTING UTILITY SITE PLAN

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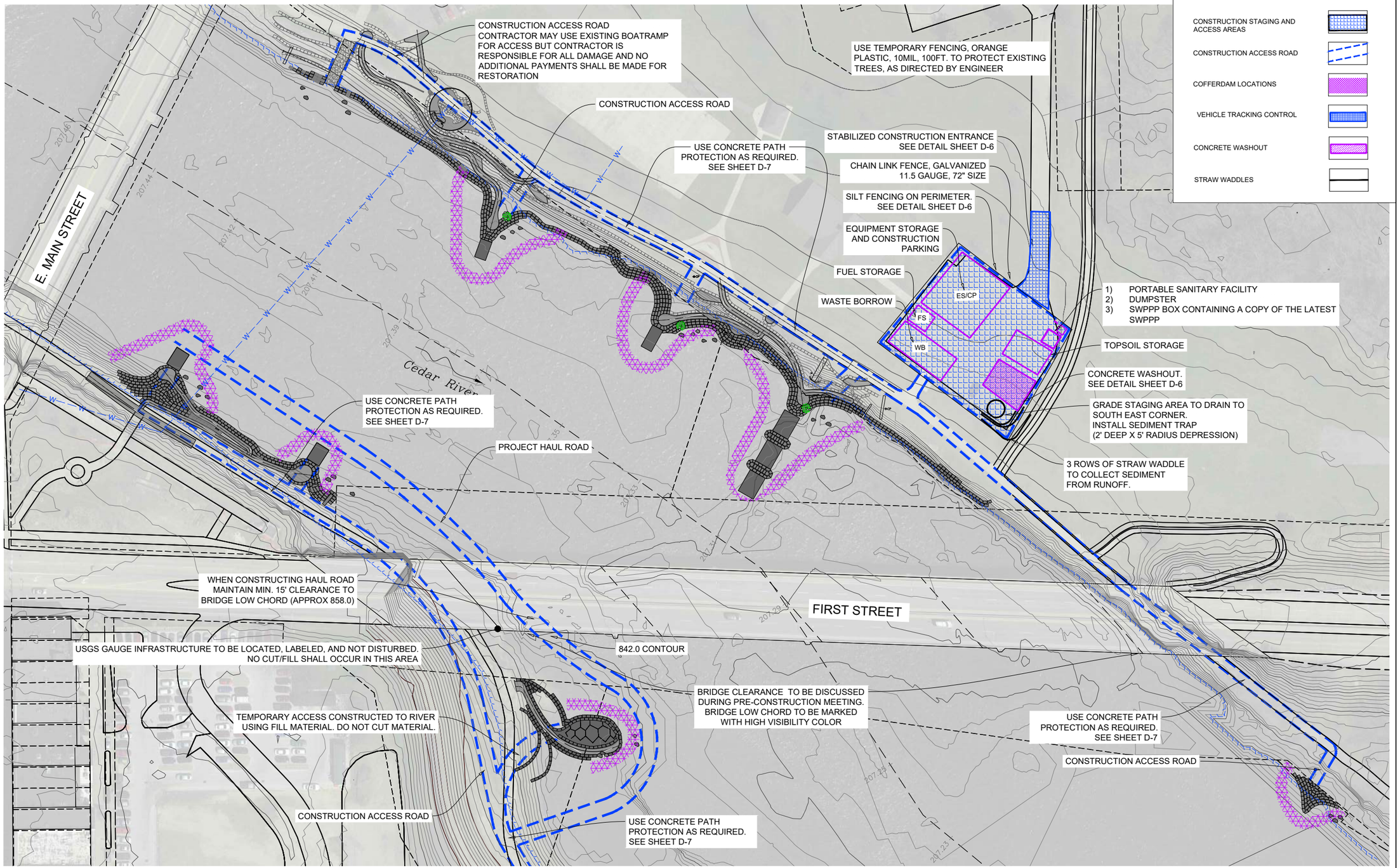
C-05



LEGEND

- CONSTRUCTION STAGING AND ACCESS AREAS
- CONSTRUCTION ACCESS ROAD
- COFFERDAM LOCATIONS
- VEHICLE TRACKING CONTROL
- CONCRETE WASHOUT
- STRAW WADDLES

CONSTRUCTION ACCESS

SCALE: 1"=50'

USGS GAUGE LOCATION:

LATITUDE	42°32'15.3"N
LONGITUDE	92°26'35.9"W

N

SCALE BAR 1"=50'

50 0 50

CONTOUR INTERVAL 1FT

NOTE:

1) INSTALL INLET PROTECTION AT ALL STORM DRAIN INLETS WITHIN THE PROJECT AREA. SEE SHEET D-6 FOR DETAILS.
2) ENSURE PROPER CLEARANCE AT FIRST STREET UNDERPASS.
3) ALL SAND BAGGING OR HESCOS TO BE THE RESPONSIBILITY OF THE CONTRACTOR
4) VEGETATED STAGING AREA TO BE CLEANED OF ANY DEBRIS, DE-COMPACTED AND FULLY SEEDED FOLLOWING THE COMPLETION OF THE PROJECT.

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RIVER AREA & RIVERBANK IMPROVEMENTS
CEDAR RIVER BLACK HAWK COUNTY
PRELIMINARY - NOT FOR CONSTRUCTION
CONSTRUCTION ACCESS 1

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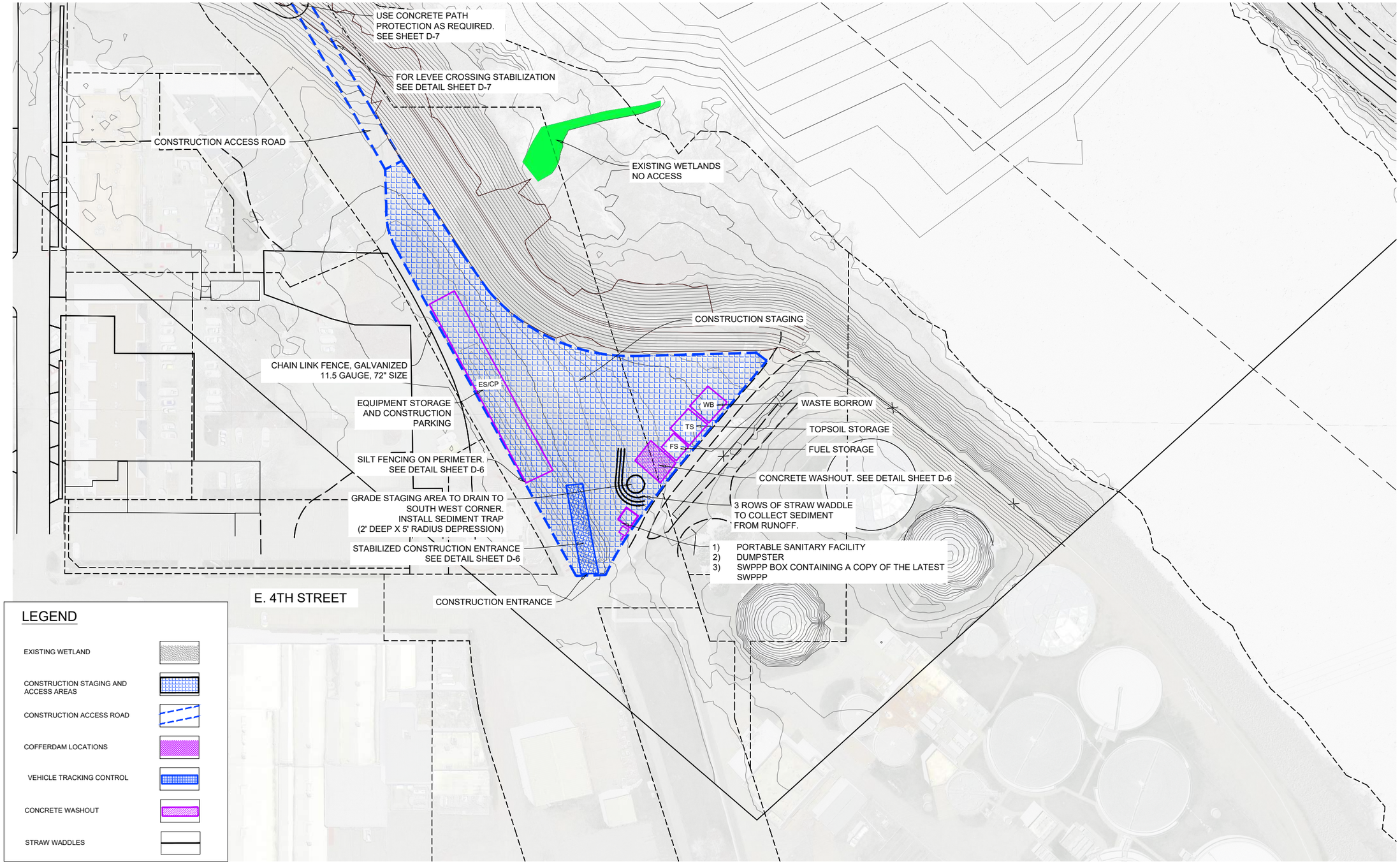
DRAWING NO.

C-06

SHEET C-06



CONSTRUCTION ACCESS

SCALE: 1"=50'

USGS GAUGE LOCATION:
LATITUDE 42°32'15.3"N
LONGITUDE 92°26'35.9"W

SCALE BAR 1"=50'
50 0 50
CONTOUR INTERVAL 1FT

NOTE:
1) INSTALL INLET PROTECTION AT ALL STORM DRAIN INLETS WITHIN THE PROJECT AREA. SEE SHEET D-6 FOR DETAILS.
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4) STAGING AREA TO BE CLEANED OF ANY DEBRIS, DE-COMPACTED AND FULLY SEEDED FOLLOWING THE COMPLETION OF THE PROJECT.

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220 CLAY STREET
CEDAR FALLS, IA
50613

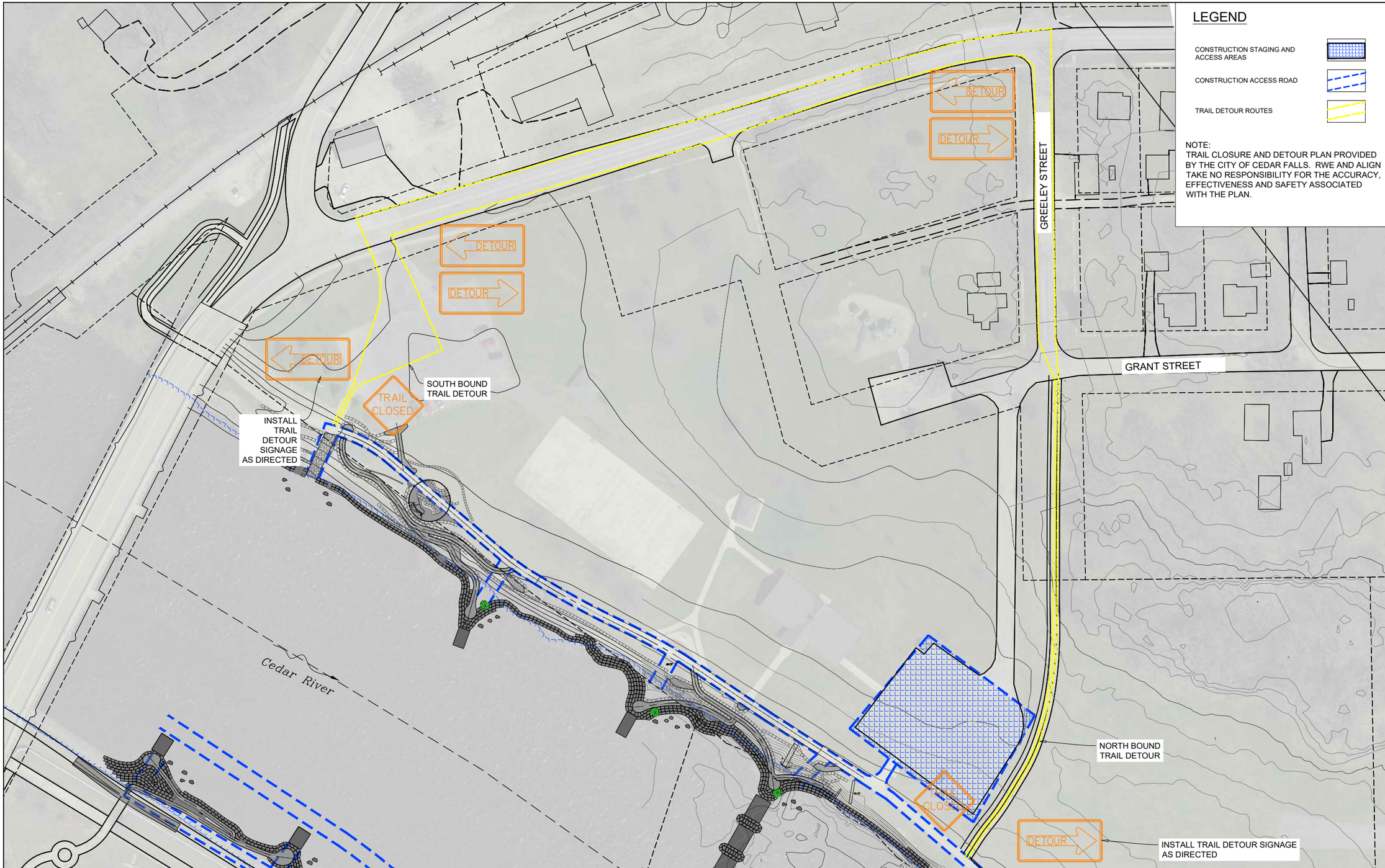
RIVER AREA & RIVERBANK IMPROVEMENTS
CEDAR RIVER BLACK HAWK COUNTY
PRELIMINARY - NOT FOR CONSTRUCTION
CONSTRUCTION ACCESS 2

REVISIONS:

NO.	DATE

DESIGNED: SS, MH, LK, RG
CHECKED: SS DRAFTED: RG
PLOT DATE: 9/23/2022

DRAWING NO.
C-07



LEGEND

- CONSTRUCTION STAGING AND ACCESS AREAS
- CONSTRUCTION ACCESS ROAD
- TRAIL DETOUR ROUTES

NOTE:
TRAIL CLOSURE AND DETOUR PLAN PROVIDED BY THE CITY OF CEDAR FALLS. RWE AND ALIGN TAKE NO RESPONSIBILITY FOR THE ACCURACY, EFFECTIVENESS AND SAFETY ASSOCIATED WITH THE PLAN.

TRAIL CLOSURE AND DETOUR PLAN
SCALE: 1"=50'

N

SCALE BAR 1"=50'
50 0 50
CONTOUR INTERVAL 1FT

Riverwise Engineering

RIVERWISE ENGINEERING, LLC
PO BOX 706
DURANGO | CO | 81302
WWW.RIVERWISE.ORG

LICENSED PROFESSIONAL ENGINEER
4/28/21
SHANE A. SIGLE
21194
IOWA

PROJECT OWNER:
CITY OF CEDAR FALLS
220 CLAY STREET
CEDAR FALLS, IA
50613

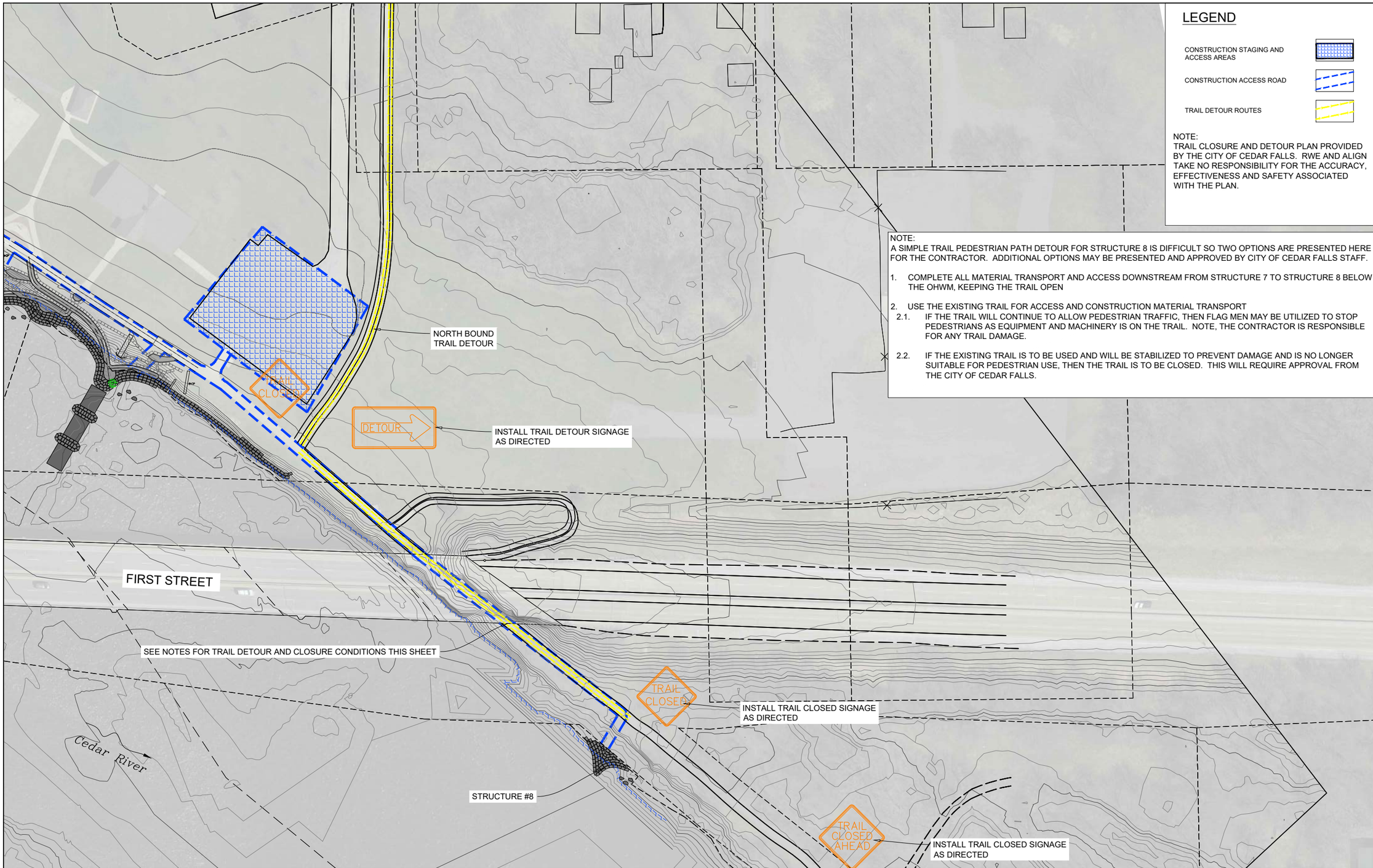
RIVER AREA & RIVERBANK IMPROVEMENTS
CEDAR RIVER BLACK HAWK COUNTY
PRELIMINARY - NOT FOR CONSTRUCTION
TRAIL CLOSURE AND DETOUR PLAN 1

REVISIONS:

NO.	DATE

DESIGNED: SS, MH, LK, RG
CHECKED: SS DRAFTED: RG
PLOT DATE: 9/23/2022

DRAWING NO.
C-08



LEGEND

- CONSTRUCTION STAGING AND ACCESS AREAS
- CONSTRUCTION ACCESS ROAD
- TRAIL DETOUR ROUTES

NOTE:
TRAIL CLOSURE AND DETOUR PLAN PROVIDED BY THE CITY OF CEDAR FALLS. RWE AND ALIGN TAKE NO RESPONSIBILITY FOR THE ACCURACY, EFFECTIVENESS AND SAFETY ASSOCIATED WITH THE PLAN.

NOTE:
A SIMPLE TRAIL PEDESTRIAN PATH DETOUR FOR STRUCTURE 8 IS DIFFICULT SO TWO OPTIONS ARE PRESENTED HERE FOR THE CONTRACTOR. ADDITIONAL OPTIONS MAY BE PRESENTED AND APPROVED BY CITY OF CEDAR FALLS STAFF.

1. COMPLETE ALL MATERIAL TRANSPORT AND ACCESS DOWNSTREAM FROM STRUCTURE 7 TO STRUCTURE 8 BELOW THE OHWM, KEEPING THE TRAIL OPEN

2. USE THE EXISTING TRAIL FOR ACCESS AND CONSTRUCTION MATERIAL TRANSPORT
   - 2.1. IF THE TRAIL WILL CONTINUE TO ALLOW PEDESTRIAN TRAFFIC, THEN FLAG MEN MAY BE UTILIZED TO STOP PEDESTRIANS AS EQUIPMENT AND MACHINERY IS ON THE TRAIL. NOTE, THE CONTRACTOR IS RESPONSIBLE FOR ANY TRAIL DAMAGE.
   - 2.2. IF THE EXISTING TRAIL IS TO BE USED AND WILL BE STABILIZED TO PREVENT DAMAGE AND IS NO LONGER SUITABLE FOR PEDESTRIAN USE, THEN THE TRAIL IS TO BE CLOSED. THIS WILL REQUIRE APPROVAL FROM THE CITY OF CEDAR FALLS.

TRAIL CLOSURE AND DETOUR PLAN

SCALE: 1"=50'

N

SCALE BAR 1"=50'
50 0 50
CONTOUR INTERVAL 1FT

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RIVERWISE
ENGINEERING, LLC
PO BOX 706
DURANGO | CO | 81302
WWW.RIVERWISE.ORG

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4/23/23
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50613

RIVER AREA & RIVERBANK IMPROVEMENTS
CEDAR RIVER
BLACK HAWK COUNTY
PRELIMINARY - NOT FOR CONSTRUCTION
TRAIL CLOSURE AND DETOUR PLAN 2

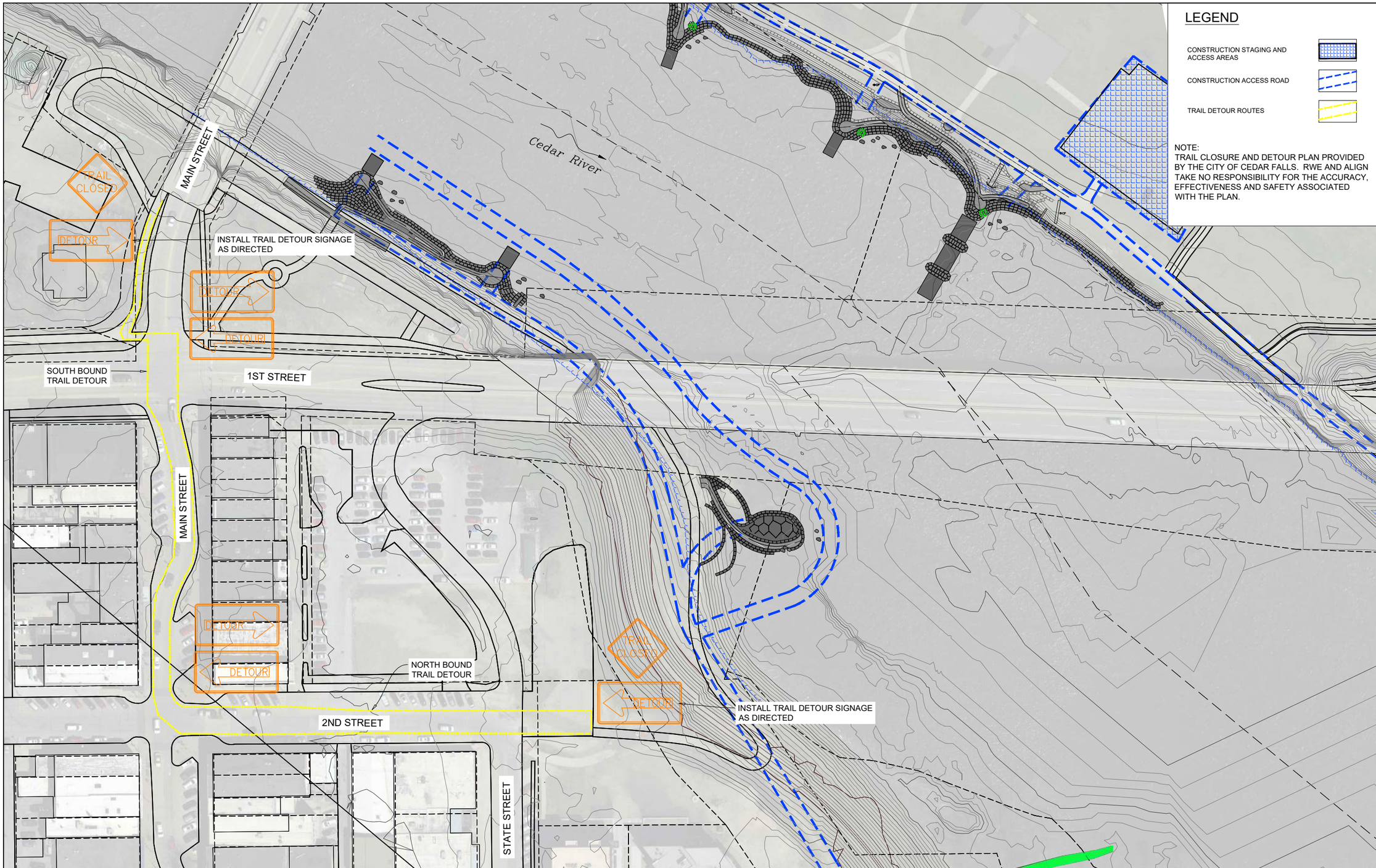
REVISIONS:

NO.	DATE

DESIGNED: SS, MH, LK, RG
CHECKED: SS
DRAFTED: RG
PLOT DATE: 9/23/2022

DRAWING NO.
C-09

SHEET C-09



LEGEND

- CONSTRUCTION STAGING AND ACCESS AREAS
- CONSTRUCTION ACCESS ROAD
- TRAIL DETOUR ROUTES

NOTE:
TRAIL CLOSURE AND DETOUR PLAN PROVIDED BY THE CITY OF CEDAR FALLS. RWE AND ALIGN TAKE NO RESPONSIBILITY FOR THE ACCURACY, EFFECTIVENESS AND SAFETY ASSOCIATED WITH THE PLAN.

TRAIL CLOSURE AND DETOUR PLAN
SCALE: 1"=50'

N

SCALE BAR 1"=50'
50 0 50
CONTOUR INTERVAL 1FT

Riverwise Engineering
RIVERWISE ENGINEERING, LLC
PO BOX 706
DURANGO | CO | 81302
WWW.RIVERWISE.ORG

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50613

RIVER AREA & RIVERBANK IMPROVEMENTS
CEDAR RIVER
BLACK HAWK COUNTY
PRELIMINARY - NOT FOR CONSTRUCTION
TRAIL CLOSURE AND DETOUR PLAN 3

REVISIONS:

NO.	DATE

DESIGNED: SS, MH, LK, RG
CHECKED: SS
DRAFTED: RG
PLOT DATE: 9/23/2022

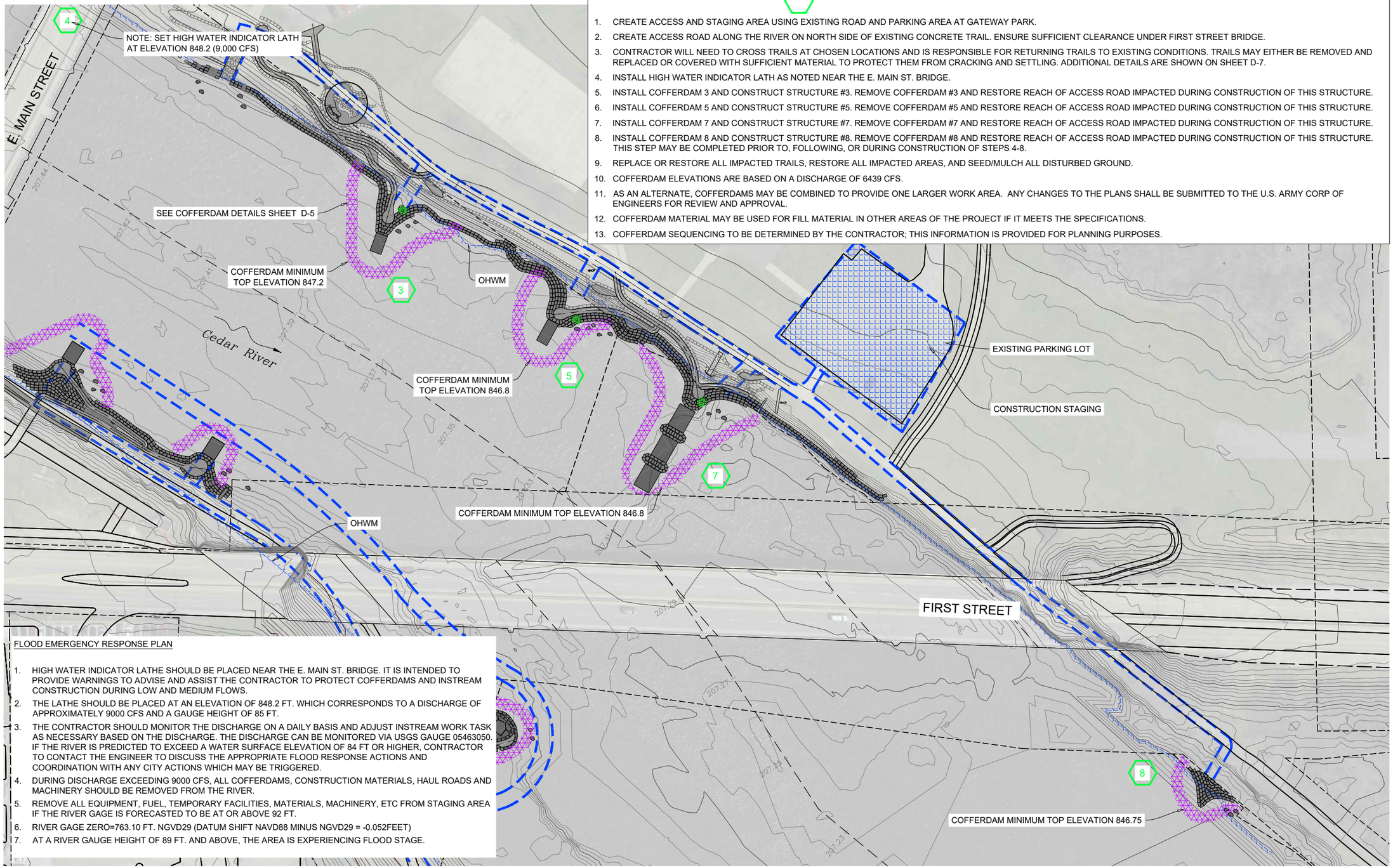
DRAWING NO.
C-10

SHEET C-10

NOTE: THE COFFERDAM MATERIALS, CONFIGURATION, QUANTITY AND LOCATION TO BE DETERMINED BY THE CONTRACTOR

RECOMMENDED COFFERDAM SEQUENCING:

1. CREATE ACCESS AND STAGING AREA USING EXISTING ROAD AND PARKING AREA AT GATEWAY PARK.
2. CREATE ACCESS ROAD ALONG THE RIVER ON NORTH SIDE OF EXISTING CONCRETE TRAIL. ENSURE SUFFICIENT CLEARANCE UNDER FIRST STREET BRIDGE.
3. CONTRACTOR WILL NEED TO CROSS TRAILS AT CHOSEN LOCATIONS AND IS RESPONSIBLE FOR RETURNING TRAILS TO EXISTING CONDITIONS. TRAILS MAY EITHER BE REMOVED AND REPLACED OR COVERED WITH SUFFICIENT MATERIAL TO PROTECT THEM FROM CRACKING AND SETTLING. ADDITIONAL DETAILS ARE SHOWN ON SHEET D-7.
4. INSTALL HIGH WATER INDICATOR LATH AS NOTED NEAR THE E. MAIN ST. BRIDGE.
5. INSTALL COFFERDAM 3 AND CONSTRUCT STRUCTURE #3. REMOVE COFFERDAM #3 AND RESTORE REACH OF ACCESS ROAD IMPACTED DURING CONSTRUCTION OF THIS STRUCTURE.
6. INSTALL COFFERDAM 5 AND CONSTRUCT STRUCTURE #5. REMOVE COFFERDAM #5 AND RESTORE REACH OF ACCESS ROAD IMPACTED DURING CONSTRUCTION OF THIS STRUCTURE.
7. INSTALL COFFERDAM 7 AND CONSTRUCT STRUCTURE #7. REMOVE COFFERDAM #7 AND RESTORE REACH OF ACCESS ROAD IMPACTED DURING CONSTRUCTION OF THIS STRUCTURE.
8. INSTALL COFFERDAM 8 AND CONSTRUCT STRUCTURE #8. REMOVE COFFERDAM #8 AND RESTORE REACH OF ACCESS ROAD IMPACTED DURING CONSTRUCTION OF THIS STRUCTURE. THIS STEP MAY BE COMPLETED PRIOR TO, FOLLOWING, OR DURING CONSTRUCTION OF STEPS 4-8.
9. REPLACE OR RESTORE ALL IMPACTED TRAILS, RESTORE ALL IMPACTED AREAS, AND SEED/MULCH ALL DISTURBED GROUND.
10. COFFERDAM ELEVATIONS ARE BASED ON A DISCHARGE OF 6439 CFS.
11. AS AN ALTERNATE, COFFERDAMS MAY BE COMBINED TO PROVIDE ONE LARGER WORK AREA. ANY CHANGES TO THE PLANS SHALL BE SUBMITTED TO THE U.S. ARMY CORP OF ENGINEERS FOR REVIEW AND APPROVAL.
12. COFFERDAM MATERIAL MAY BE USED FOR FILL MATERIAL IN OTHER AREAS OF THE PROJECT IF IT MEETS THE SPECIFICATIONS.
13. COFFERDAM SEQUENCING TO BE DETERMINED BY THE CONTRACTOR; THIS INFORMATION IS PROVIDED FOR PLANNING PURPOSES.



FLOOD EMERGENCY RESPONSE PLAN

1. HIGH WATER INDICATOR LATHE SHOULD BE PLACED NEAR THE E. MAIN ST. BRIDGE. IT IS INTENDED TO PROVIDE WARNINGS TO ADVISE AND ASSIST THE CONTRACTOR TO PROTECT COFFERDAMS AND INSTREAM CONSTRUCTION DURING LOW AND MEDIUM FLOWS.
2. THE LATHE SHOULD BE PLACED AT AN ELEVATION OF 848.2 FT. WHICH CORRESPONDS TO A DISCHARGE OF APPROXIMATELY 9000 CFS AND A GAUGE HEIGHT OF 85 FT.
3. THE CONTRACTOR SHOULD MONITOR THE DISCHARGE ON A DAILY BASIS AND ADJUST INSTREAM WORK TASK AS NECESSARY BASED ON THE DISCHARGE. THE DISCHARGE CAN BE MONITORED VIA USGS GAUGE 05463050. IF THE RIVER IS PREDICTED TO EXCEED A WATER SURFACE ELEVATION OF 84 FT OR HIGHER, CONTRACTOR TO CONTACT THE ENGINEER TO DISCUSS THE APPROPRIATE FLOOD RESPONSE ACTIONS AND COORDINATION WITH ANY CITY ACTIONS WHICH MAY BE TRIGGERED.
4. DURING DISCHARGE EXCEEDING 9000 CFS, ALL COFFERDAMS, CONSTRUCTION MATERIALS, HAUL ROADS AND MACHINERY SHOULD BE REMOVED FROM THE RIVER.
5. REMOVE ALL EQUIPMENT, FUEL, TEMPORARY FACILITIES, MATERIALS, MACHINERY, ETC FROM STAGING AREA IF THE RIVER GAGE IS FORECASTED TO BE AT OR ABOVE 92 FT.
6. RIVER GAGE ZERO=763.10 FT. NGVD29 (DATUM SHIFT NAVD88 MINUS NGVD29 = -0.052FEET)
7. AT A RIVER GAUGE HEIGHT OF 89 FT. AND ABOVE, THE AREA IS EXPERIENCING FLOOD STAGE.

WATER CONTROL PLAN NORTH

SCALE: 1"=50'

N

SCALE BAR 1"=50'
50 0 50
CONTOUR INTERVAL 1FT

LEGEND

- EXISTING GRADE CONTOURS
- PROPOSED GRADE CONTOURS
- GROUTED BOULDERS
- RIPRAP ARMORING
- CONCRETE
- PARCEL BOUNDARIES
- COFFERDAM LOCATIONS
- CONSTRUCTION STAGING AND ACCESS AREAS
- CONSTRUCTION ACCESS ROAD

Riverwise Engineering
RIVERWISE ENGINEERING, LLC
PO BOX 706
DURANGO | CO | 81302
WWW.RIVERWISE.ORG

LICENSED PROFESSIONAL ENGINEER
4/23/21
SHANE A. SIGLE
21194
IOWA

PROJECT OWNER:
CITY OF CEDAR FALLS
220 CLAY STREET
CEDAR FALLS, IA
50613

RIVER AREA & RIVERBANK IMPROVEMENTS
CEDAR RIVER BLACK HAWK COUNTY
PRELIMINARY - NOT FOR CONSTRUCTION
DEWATERING NORTH

REVISIONS:

NO.	DATE

DESIGNED: SS, MH, LK, RG
CHECKED: SS DRAFTED: RG
PLOT DATE: 9/23/2022

DRAWING NO.
C-11
SHEET C-11

NOTE: THE COFFERDAM MATERIALS, CONFIGURATION, QUANTITY AND LOCATION TO BE DETERMINED BY THE CONTRACTOR

RECOMMENDED COFFERDAM SEQUENCING:

1. CREATE ACCESS AND STAGING AREA USING EXISTING ROAD AND PARKING AREA AT GATEWAY PARK.
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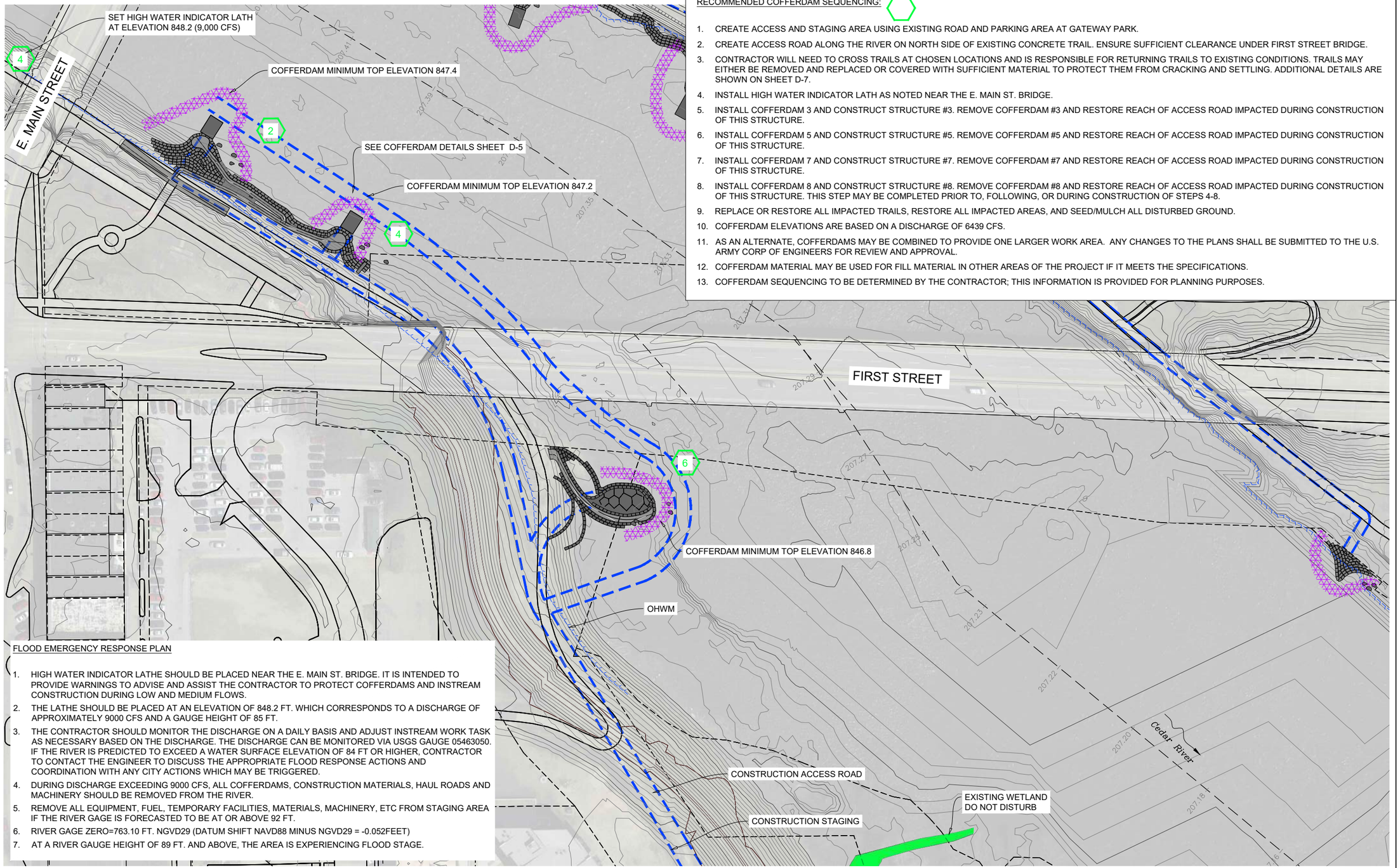

FLOOD EMERGENCY RESPONSE PLAN

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7. AT A RIVER GAUGE HEIGHT OF 89 FT. AND ABOVE, THE AREA IS EXPERIENCING FLOOD STAGE.

WATER CONTROL PLAN SOUTH

SCALE: 1"=50'

N

SCALE BAR 1"=50'

50 0 50

CONTOUR INTERVAL 1FT

LEGEND

EXISTING GRADE CONTOURS
PROPOSED GRADE CONTOURS
GROUTED BOULDERS
RIPRAP ARMORING
CONCRETE
PARCEL BOUNDARIES
COFFERDAM LOCATIONS
CONSTRUCTION STAGING AND ACCESS AREAS
CONSTRUCTION ACCESS ROAD

RIVERWISE ENGINEERING, LLC
PO BOX 706
DURANGO | CO | 81302
WWW.RIVERWISE.ORG

LICENSED PROFESSIONAL ENGINEER
4/23/22
SHANE A. SIGLE
21194
IOWA

PROJECT OWNER:
CITY OF CEDAR FALLS
220 CLAY STREET
CEDAR FALLS, IA
50613

RIVER AREA & RIVERBANK IMPROVEMENTS
CEDAR RIVER BLACK HAWK COUNTY
PRELIMINARY - NOT FOR CONSTRUCTION
DEWATERING SOUTH

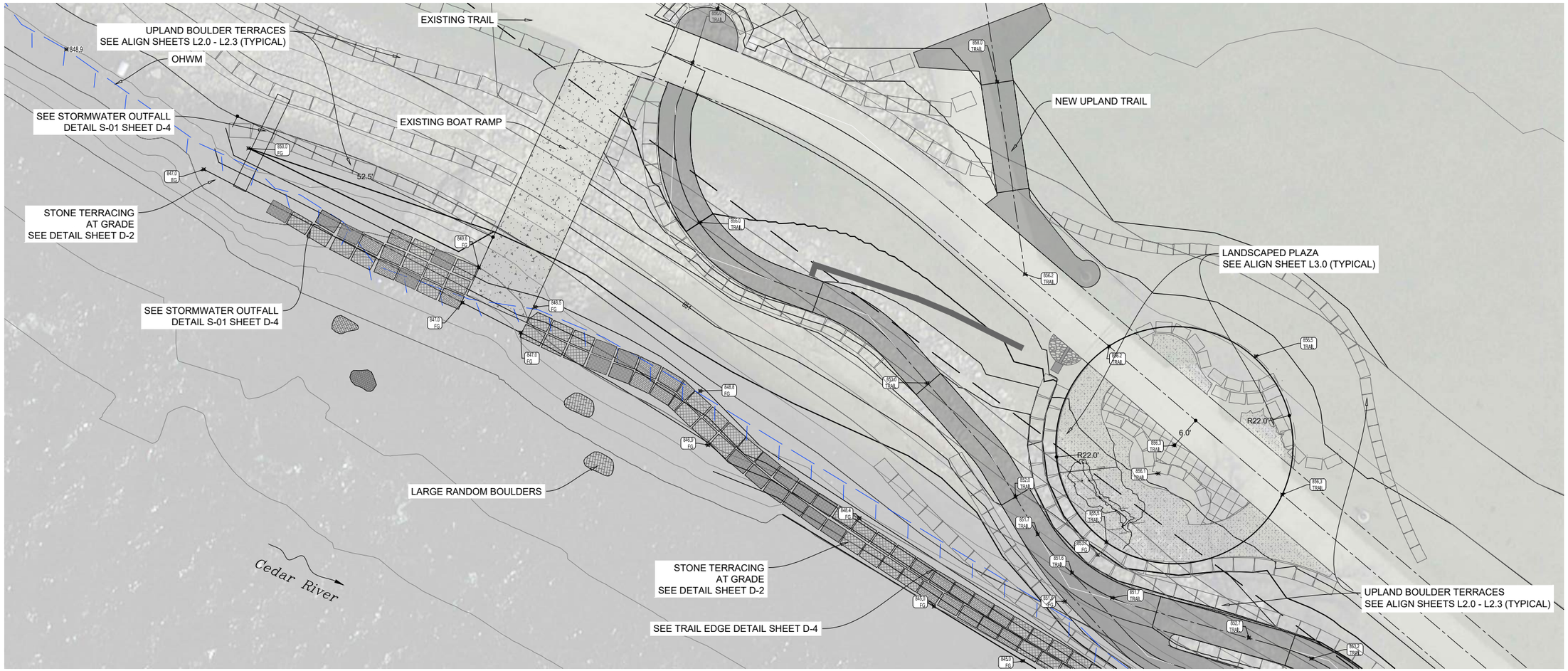
REVISIONS:

NO.	DATE

DESIGNED: SS, MH, LK, RG
CHECKED: SS DRAFTED: RG
PLOT DATE: 9/23/2022

DRAWING NO.
C-12

SHEET C-12



PLAN VIEW SITE PLAN

SCALE: 1"=10'

N

SCALE BAR 1"=10'

10 0 10

CONTOUR INTERVAL 1FT

LEGEND

- PARCEL BOUNDARIES
- GROUTED BOULDERS
- EXISTING GRADE
- PROPOSED GRADE
- CONCRETE
- CLEAN ANGULAR COBBLE

Riverwise Engineering

RIVERWISE
ENGINEERING, LLC
PO BOX 706
DURANGO | CO | 81302
WWW.RIVERWISE.ORG

LICENSED PROFESSIONAL ENGINEER
4/23/22
SHANE A. SIGLE
21194
IOWA

PROJECT OWNER:
CITY OF CEDAR FALLS
220 CLAY STREET
CEDAR FALLS, IA
50613

RIVER AREA & RIVERBANK IMPROVEMENTS
CEDAR RIVER
BLACK HAWK COUNTY
PRELIMINARY - NOT FOR CONSTRUCTION
BOAT RAMP IMPROVEMENTS

REVISIONS:

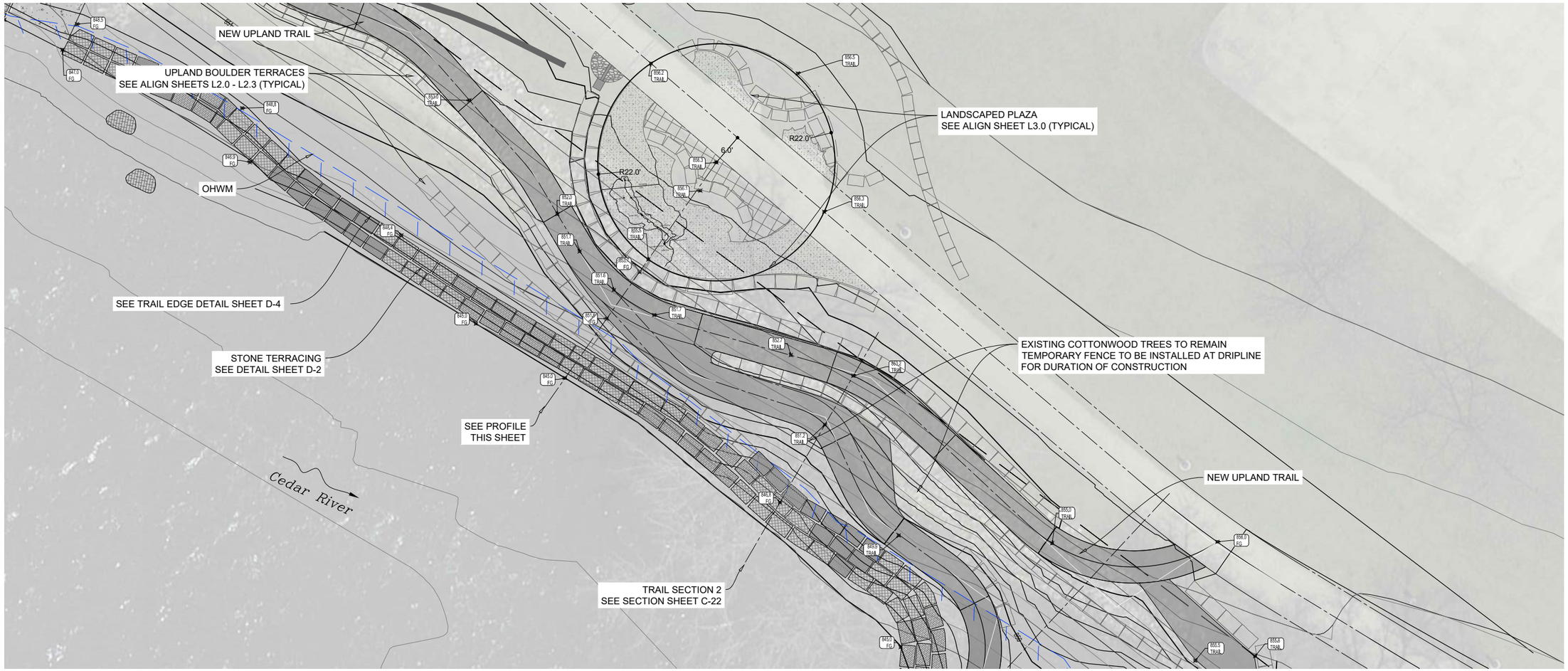
NO.	DATE

DESIGNED: SS, MH, LK, RG
CHECKED: SS
DRAFTED: RG
PLOT DATE: 9/23/2022

DRAWING NO.

C-13

SHEET C-13



PLAN VIEW SITE PLAN

SCALE: 1"=10'

N

SCALE BAR 1"=10'

10 0 10

CONTOUR INTERVAL 1FT

LEGEND

PARCEL BOUNDARIES

GROUTED BOULDERS

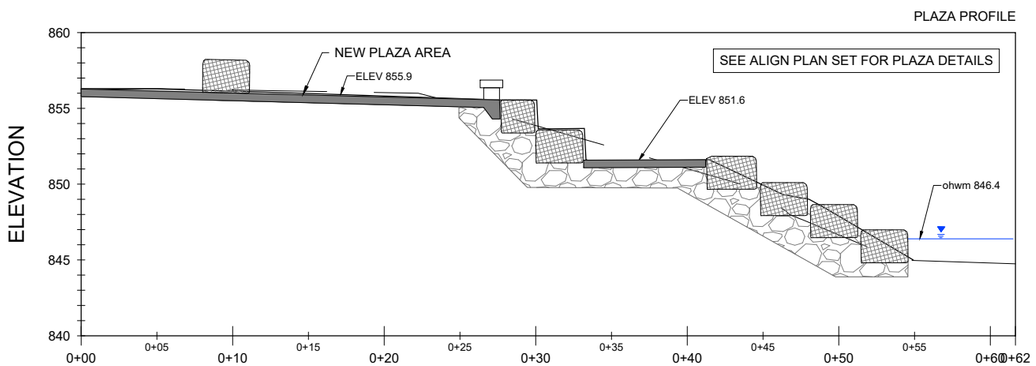
CONCRETE

CLEAN ANGULAR COBBLE

EXISTING GRADE

PROPOSED GRADE

PLAZA PROFILE



FOUNTAIN WATERFALL PROFILE

SCALE: 1"=5'

SECTION LOOKING DOWNSTREAM

RIVERWISE ENGINEERING, LLC
PO BOX 706
DURANGO | CO | 81302
WWW.RIVERWISE.ORG

LICENSED PROFESSIONAL ENGINEER
4/29/22
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IOWA

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220 CLAY STREET
CEDAR FALLS, IA
50613

RIVER AREA & RIVERBANK IMPROVEMENTS
CEDAR RIVER
BLACK HAWK COUNTY
PRELIMINARY - NOT FOR CONSTRUCTION
PLAZA PLAN

REVISIONS:

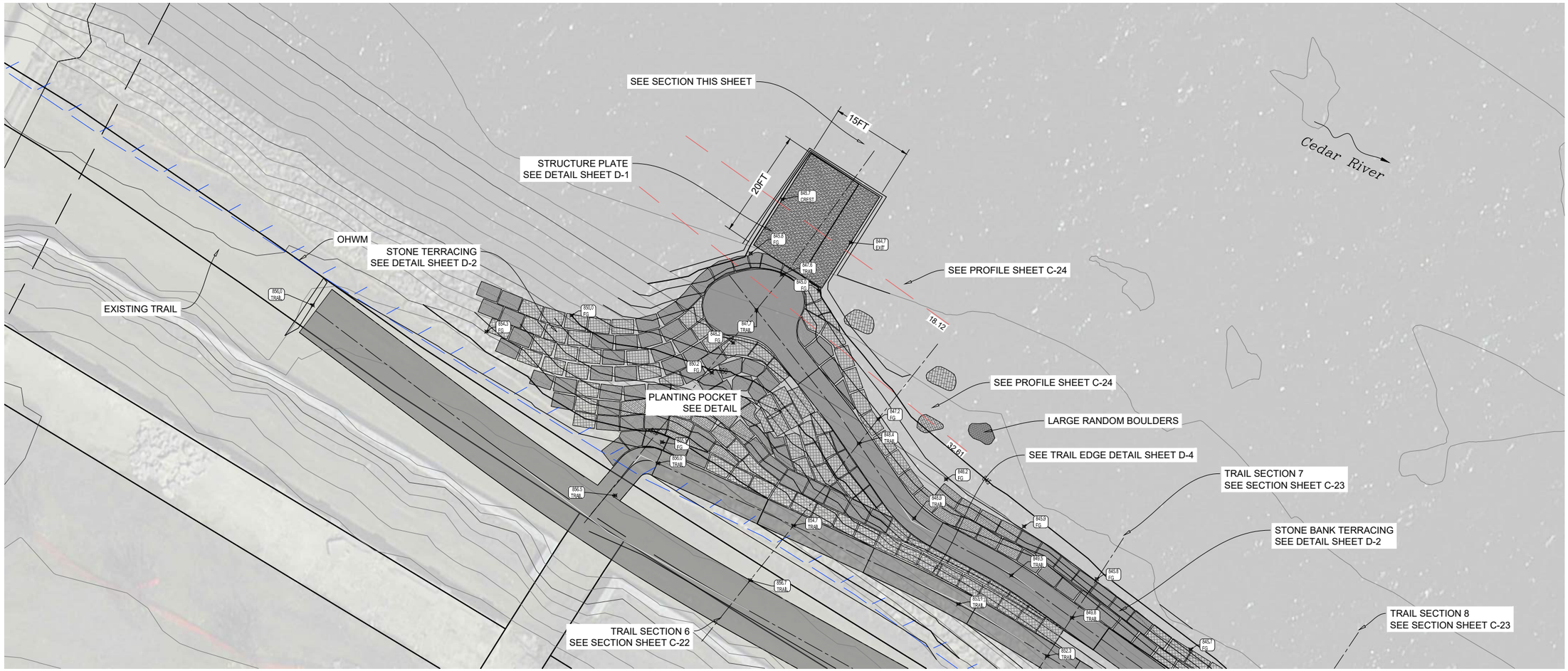
NO.	DATE

DESIGNED: SS, MH, LK, RG
CHECKED: SS
DRAFTED: RG
PLOT DATE: 9/23/2022

DRAWING NO.

C-14

SHEET C-14



PLAN VIEW SITE PLAN

SCALE: 1"=10'

N

SCALE BAR 1"=10'

10 0 10

CONTOUR INTERVAL 1FT

LEGEND

PARCEL BOUNDARIES

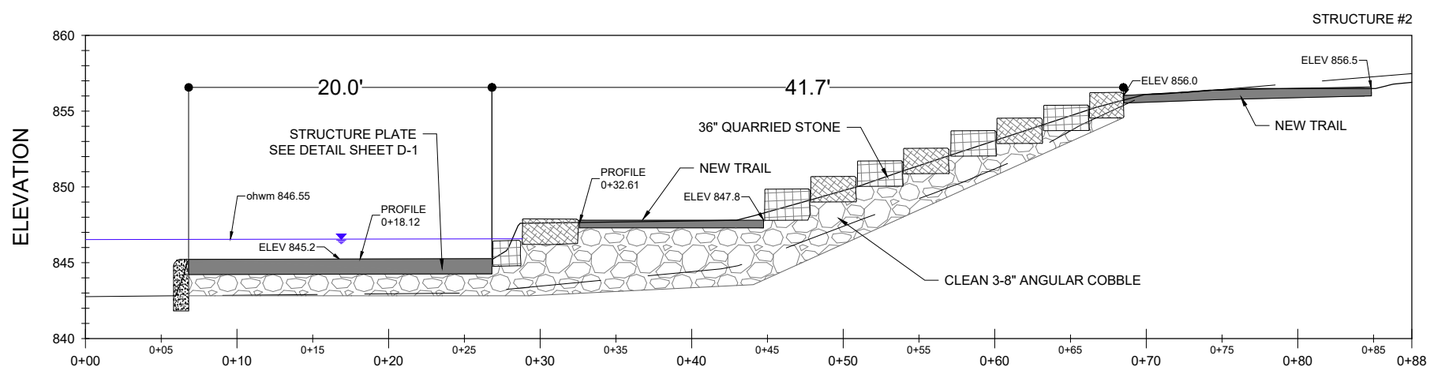
GROUTED BOULDERS

CONCRETE

CLEAN ANGULAR COBBLE

EXISTING GRADE

PROPOSED GRADE



STRUCTURE #2 SECTION

SCALE: 1"=5'

SECTION LOOKING DOWNSTREAM

NOTE:
BEDROCK CONTACT IS ANTICIPATED AT THE CHANNEL INVERT. STRUCTURE ANCHORING IN BEDROCK CONDITION SHALL BE CONCRETE TRENCHWALL KEYED 12" INTO BEDROCK. IF BEDROCK IS NOT CONTACTED AT THE CHANNEL INVERT STRUCTURES SHALL BE ANCHORED 60" INTO NATIVE ALLUVIUM WITH GROUTED BOULDERS. SEE ALTERNATE STRUCTURE PLATE DETAIL SHEET D-1 - PRESCRIBED PLATE DIMENSIONS

Riverwise Engineering

RIVERWISE
ENGINEERING, LLC
PO BOX 706
DURANGO | CO | 81302
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50613

RIVER AREA & RIVERBANK IMPROVEMENTS
CEDAR RIVER BLACK HAWK COUNTY
PRELIMINARY - NOT FOR CONSTRUCTION
STRUCTURE #2

REVISIONS:

NO.	DATE

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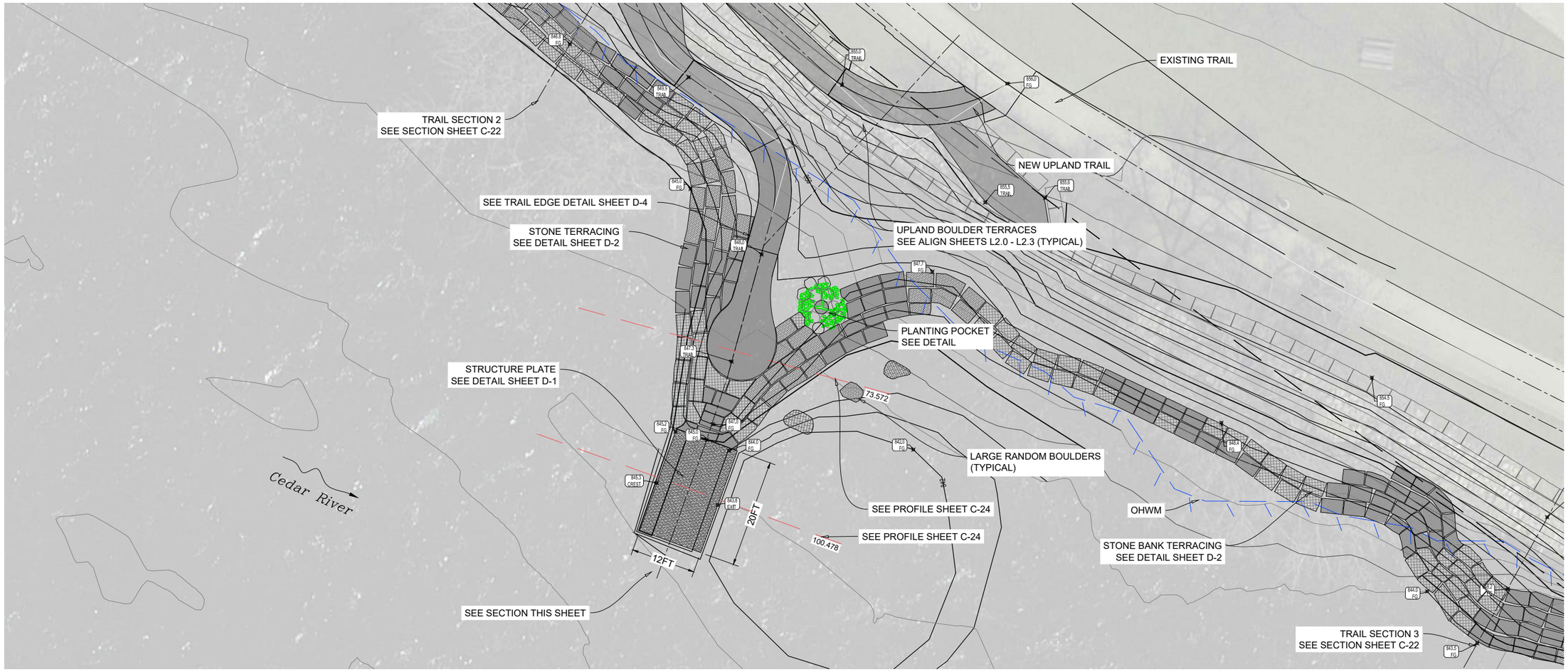
CHECKED: SS DRAFTED: RG
PLOT DATE: 9/23/2022

DRAWING NO.
C-15

SHEET C-15



PLAN VIEW SITE PLAN

SCALE: 1"=10'

N

SCALE BAR 1"=10'

10 0 10

CONTOUR INTERVAL 1FT

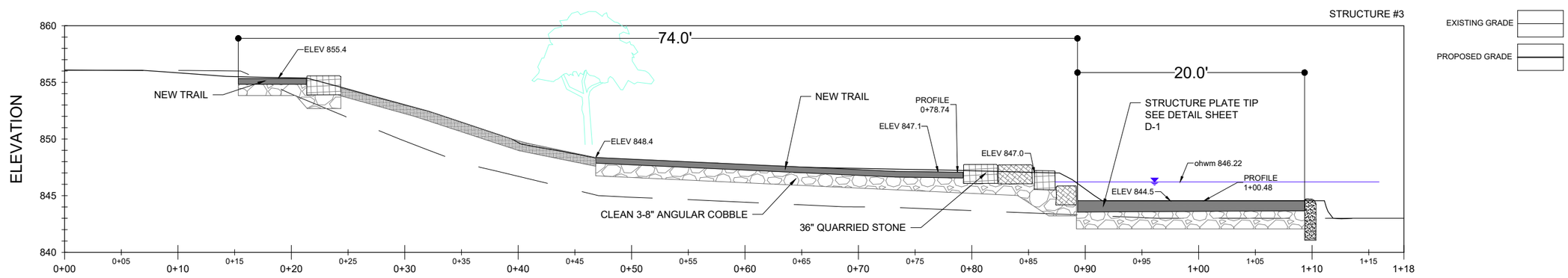
LEGEND

PARCEL BOUNDARIES

GROUTED BOULDERS

CONCRETE

CLEAN ANGULAR COBBLE



STRUCTURE #3 SECTION

SCALE: 1"=5'

SECTION LOOKING DOWNSTREAM

NOTE:
BEDROCK CONTACT IS ANTICIPATED AT THE CHANNEL INVERT. STRUCTURE ANCHORING IN BEDROCK CONDITION SHALL BE CONCRETE TRENCHWALL KEYED 12" INTO BEDROCK. IF BEDROCK IS NOT CONTACTED AT THE CHANNEL INVERT STRUCTURES SHALL BE ANCHORED 60" INTO NATIVE ALLUVIUM WITH GROUTED BOULDERS. SEE ALTERNATE STRUCTURE PLATE DETAIL SHEET D-1 - PRESCRIBED PLATE DIMENSIONS

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50613

RIVER AREA & RIVERBANK IMPROVEMENTS
CEDAR RIVER BLACK HAWK COUNTY
PRELIMINARY - NOT FOR CONSTRUCTION
STRUCTURE #3

REVISIONS:

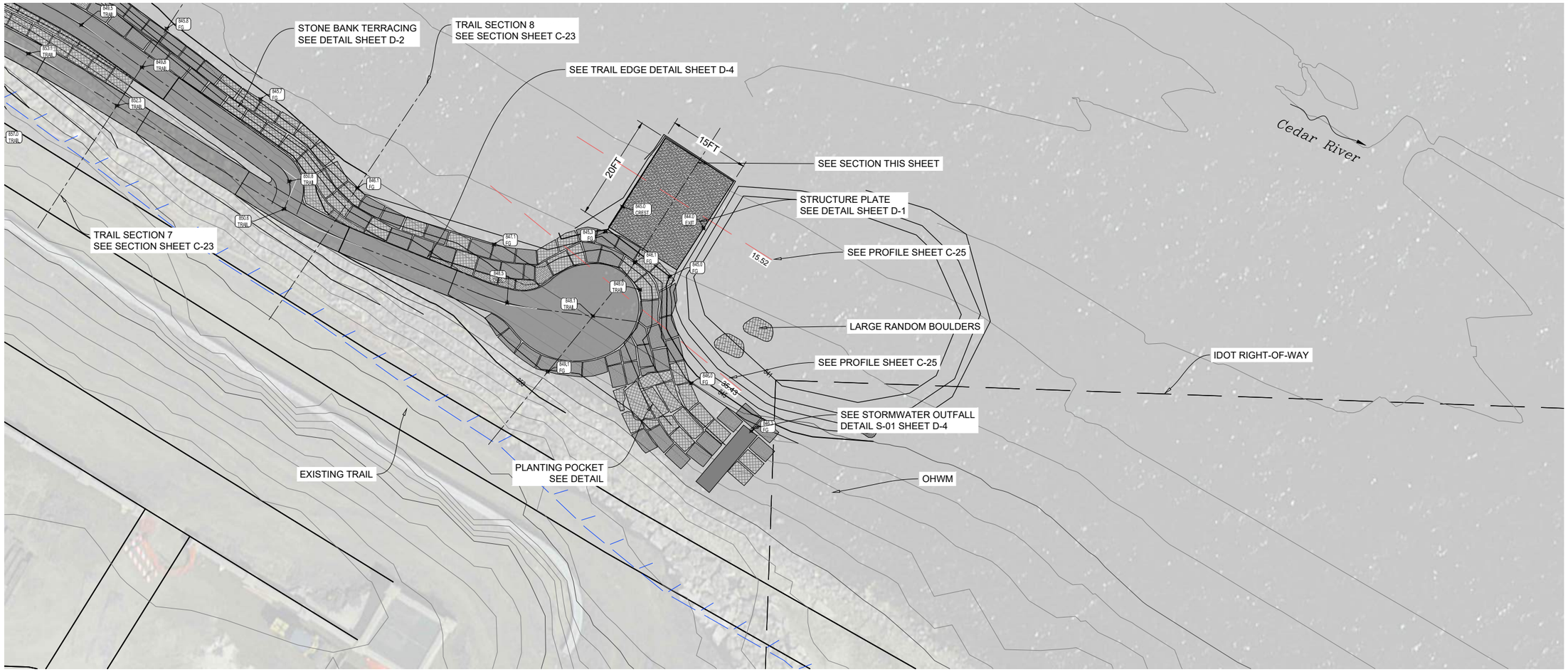
NO.	DATE

DESIGNED: SS, MH, LK, RG
CHECKED: SS DRAFTED: RG
PLOT DATE: 9/23/2022

DRAWING NO.

C-16

SHEET C-16



PLAN VIEW SITE PLAN

SCALE: 1"=10'

N

SCALE BAR 1"=10'

10 0 10

CONTOUR INTERVAL 1FT

LEGEND

PARCEL BOUNDARIES

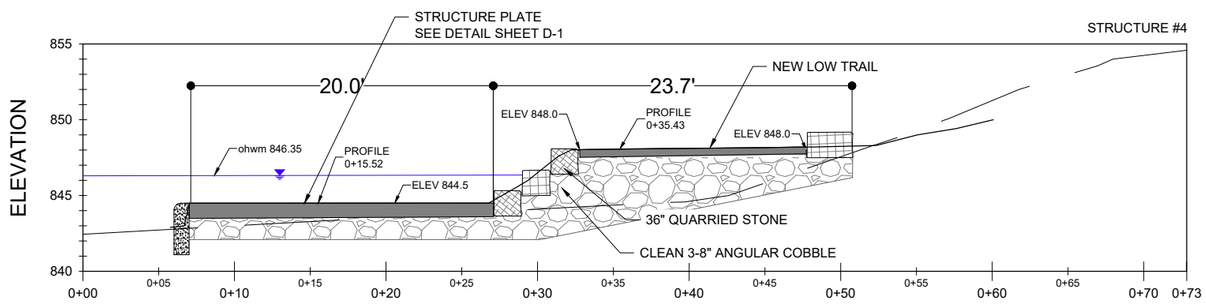
GROUTED BOULDERS

CONCRETE

CLEAN ANGULAR COBBLE

EXISTING GRADE

PROPOSED GRADE



STRUCTURE #4 SECTION

SCALE: 1"=5'

SECTION LOOKING DOWNSTREAM

NOTE:
BEDROCK CONTACT IS ANTICIPATED AT THE CHANNEL INVERT. STRUCTURE ANCHORING IN BEDROCK CONDITION SHALL BE CONCRETE TRENCHWALL KEYED 12" INTO BEDROCK. IF BEDROCK IS NOT CONTACTED AT THE CHANNEL INVERT STRUCTURES SHALL BE ANCHORED 60" INTO NATIVE ALLUVIUM WITH GROUTED BOULDERS. SEE ALTERNATE STRUCTURE PLATE DETAIL SHEET D-1 - PRESCRIBED PLATE DIMENSIONS

Riverwise Engineering

RIVERWISE
ENGINEERING, LLC
PO BOX 706
DURANGO | CO | 81302
WWW.RIVERWISE.ORG

LICENSED PROFESSIONAL ENGINEER
4/28/22
SHANE A. SIGLE
21194
IOWA

PROJECT OWNER:
CITY OF CEDAR FALLS
220 CLAY STREET
CEDAR FALLS, IA
50613

RIVER AREA & RIVERBANK IMPROVEMENTS

CEDAR RIVER BLACK HAWK COUNTY

PRELIMINARY - NOT FOR CONSTRUCTION

STRUCTURE #4

REVISIONS:

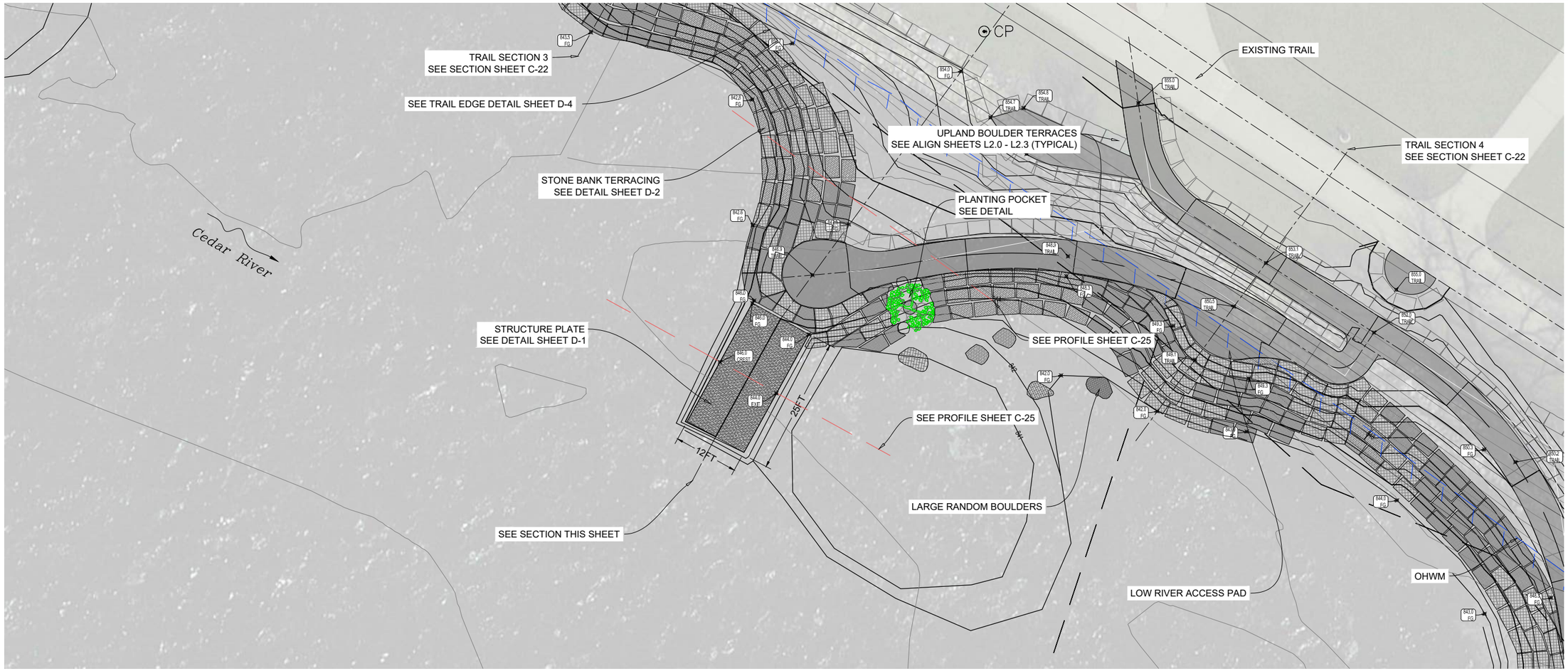
NO.	DATE

DESIGNED: SS, MH, LK, RG
CHECKED: SS DRAFTED: RG
PLOT DATE: 9/23/2022

DRAWING NO.

C-17

SHEET C-17



PLAN VIEW SITE PLAN

SCALE: 1"=10'

N

SCALE BAR 1"=10'

10 0 10

CONTOUR INTERVAL 1FT

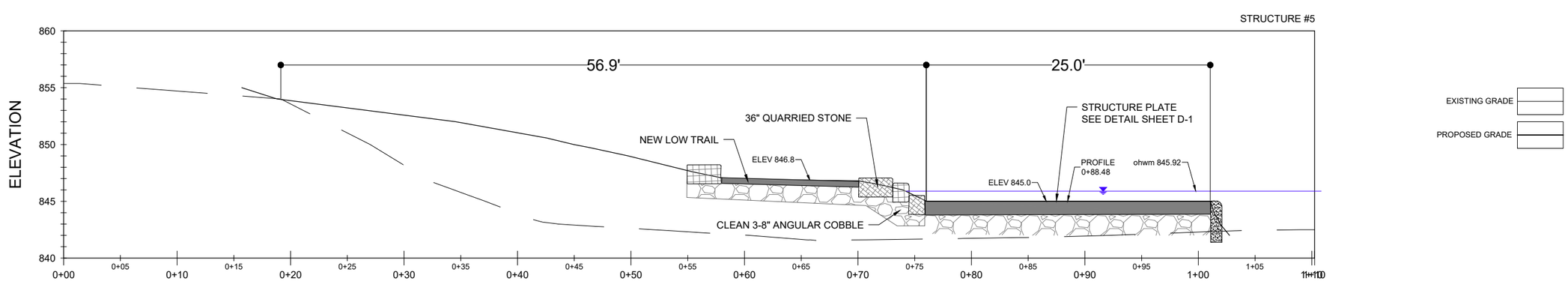
LEGEND

PARCEL BOUNDARIES

GROUTED BOULDERS

CONCRETE

CLEAN ANGULAR COBBLE



STRUCTURE #5 SECTION

SCALE: 1"=5'

SECTION LOOKING DOWNSTREAM

NOTE:
BEDROCK CONTACT IS ANTICIPATED AT THE CHANNEL INVERT. STRUCTURE ANCHORING IN BEDROCK CONDITION SHALL BE CONCRETE TRENCHWALL KEYED 12" INTO BEDROCK. IF BEDROCK IS NOT CONTACTED AT THE CHANNEL INVERT STRUCTURES SHALL BE ANCHORED 60" INTO NATIVE ALLUVIUM WITH GROUTED BOULDERS. SEE ALTERNATE STRUCTURE PLATE DETAIL SHEET D-1 - PRESCRIBED PLATE DIMENSIONS

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PO BOX 706
DURANGO | CO | 81302
WWW.RIVERWISE.ORG

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RIVER AREA & RIVERBANK IMPROVEMENTS
CEDAR RIVER BLACK HAWK COUNTY
PRELIMINARY - NOT FOR CONSTRUCTION
STRUCTURE #5

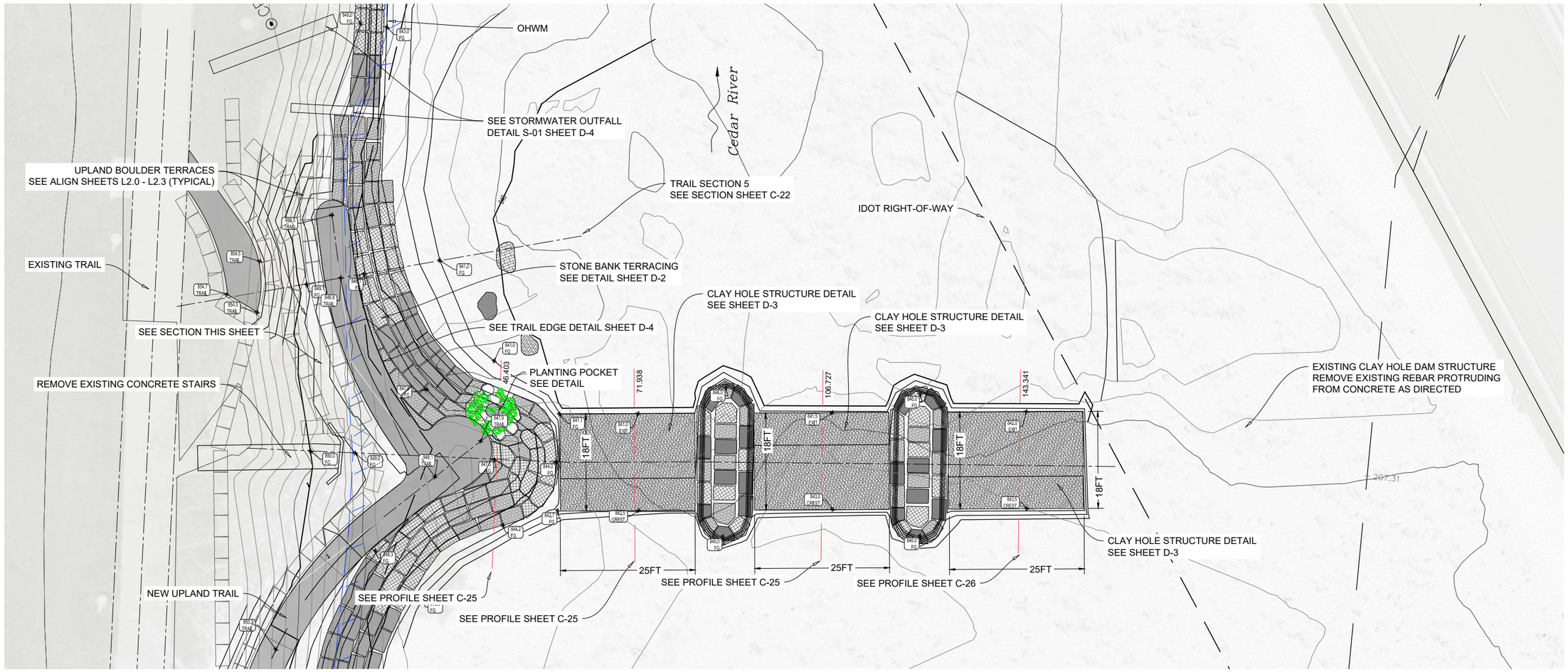
REVISIONS:

NO.	DATE

DESIGNED: SS, MH, LK, RG
CHECKED: SS
DRAFTED: RG
PLOT DATE: 9/23/2022

DRAWING NO.

C-18



PLAN VIEW SITE PLAN

SCALE: 1"=10'

CONTOUR INTERVAL 1FT

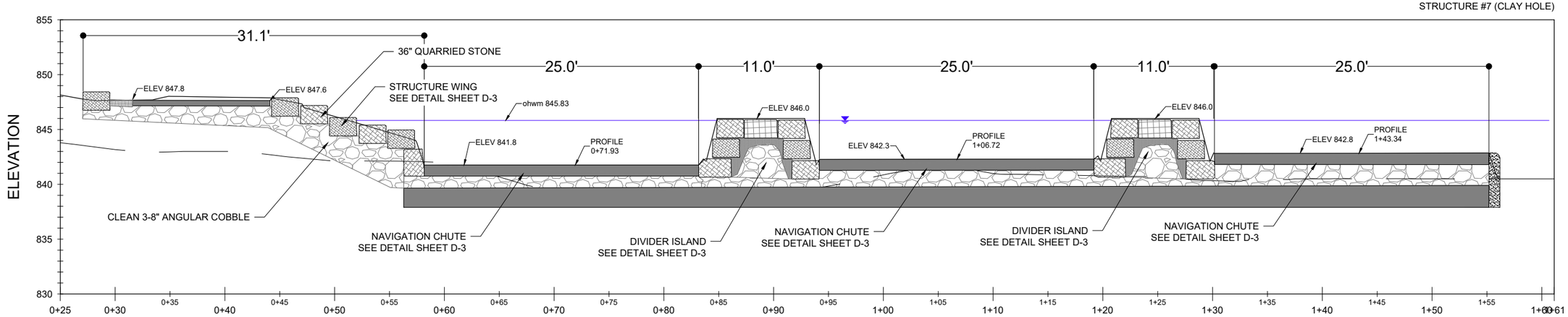
SCALE BAR 1"=10'

10 0 10

LEGEND

PARCEL BOUNDARIES
GROUTED BOULDERS
CONCRETE
CLEAN ANGULAR COBBLE
EXISTING GRADE
PROPOSED GRADE

STRUCTURE #7 (CLAY HOLE)



STRUCTURE #7 (CLAY HOLE) SECTION

SCALE: 1"=5'

SECTION LOOKING DOWNSTREAM

NOTE:
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RIVERWISE
ENGINEERING, LLC
PO BOX 706
DURANGO | CO | 81302
WWW.RIVERWISE.ORG

LICENSED PROFESSIONAL ENGINEER
4/23/22
SHANE A. SIGLE
21194
IOWA

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CITY OF CEDAR FALLS
220 CLAY STREET
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RIVER AREA & RIVERBANK IMPROVEMENTS
BLACK HAWK COUNTY
CEDAR RIVER
PRELIMINARY - NOT FOR CONSTRUCTION
CLAY HOLE (STRUCTURE #7)

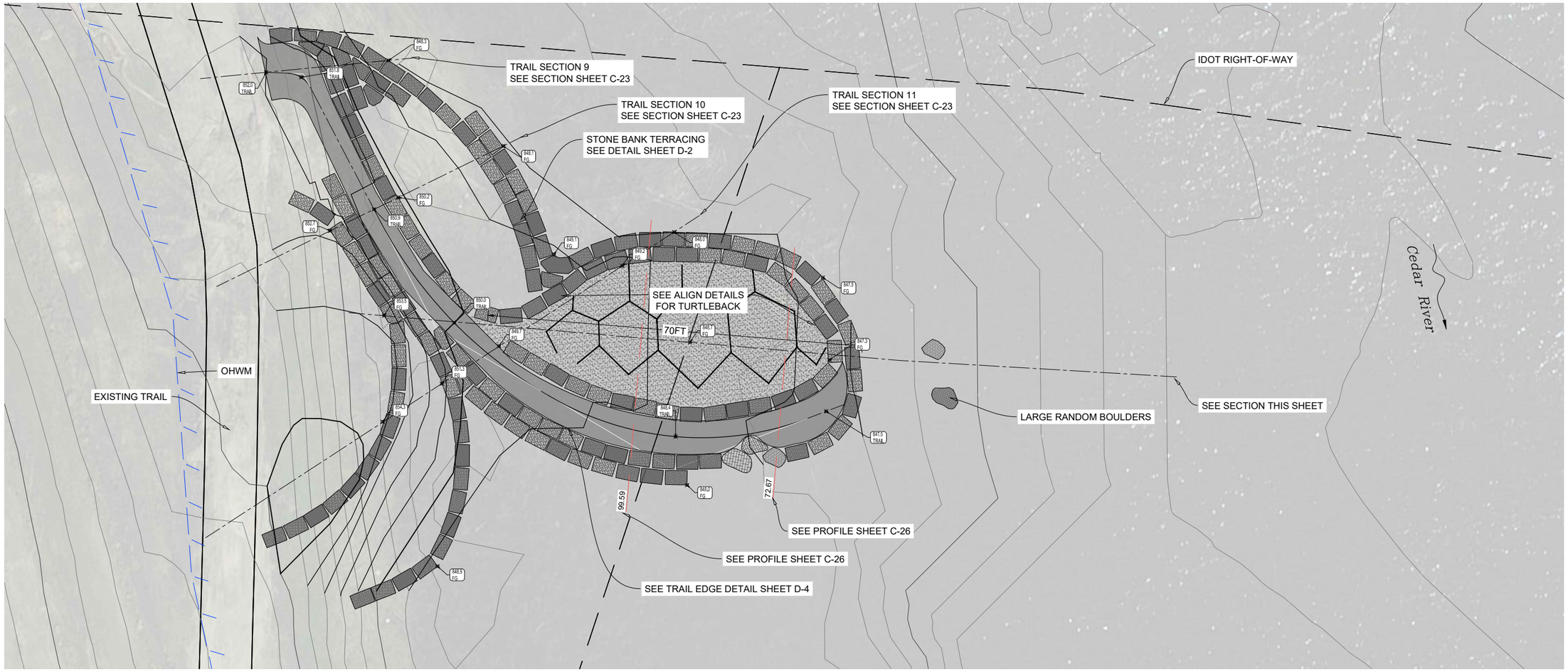
REVISIONS:

NO.	DATE

DESIGNED: SS, MH, LK, RG
CHECKED: SS
DRAFTED: RG
PLOT DATE: 9/23/2022

DRAWING NO.
C-19

SHEET C-19



PLAN VIEW SITE PLAN

SCALE: 1"=10'

N

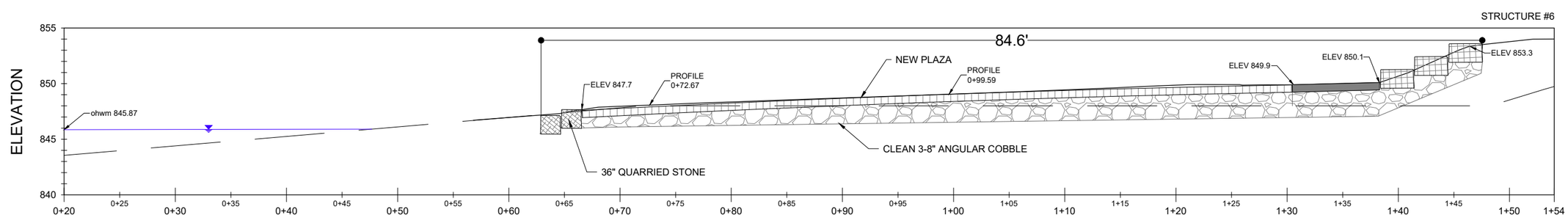
SCALE BAR 1"=10'

10 0 10

CONTOUR INTERVAL 1FT

LEGEND

PARCEL BOUNDARIES
GROUTED BOULDERS
CONCRETE
CLEAN ANGULAR COBBLE
EXISTING GRADE
PROPOSED GRADE



STRUCTURE #6 SECTION

SCALE: 1"=5'

SECTION LOOKING DOWNSTREAM

NOTE:
BEDROCK CONTACT IS ANTICIPATED AT THE CHANNEL INVERT. STRUCTURE ANCHORING IN BEDROCK CONDITION SHALL BE CONCRETE TRENCHWALL KEYED 12" INTO BEDROCK. IF BEDROCK IS NOT CONTACTED AT THE CHANNEL INVERT STRUCTURES SHALL BE ANCHORED 60" INTO NATIVE ALLUVIUM WITH GROUTED BOULDERS. SEE ALTERNATE STRUCTURE PLATE DETAIL SHEET D-1 - PRESCRIBED PLATE DIMENSIONS

Riverwise Engineering
RIVERWISE ENGINEERING, LLC
PO BOX 706
DURANGO | CO | 81302
WWW.RIVERWISE.ORG

LICENSED PROFESSIONAL ENGINEER
4/23/21
SHANE A. SIGLE
21194
IOWA

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CITY OF CEDAR FALLS
220 CLAY STREET
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RIVER AREA & RIVERBANK IMPROVEMENTS
CEDAR RIVER BLACK HAWK COUNTY
PRELIMINARY - NOT FOR CONSTRUCTION
STRUCTURE #6

REVISIONS:

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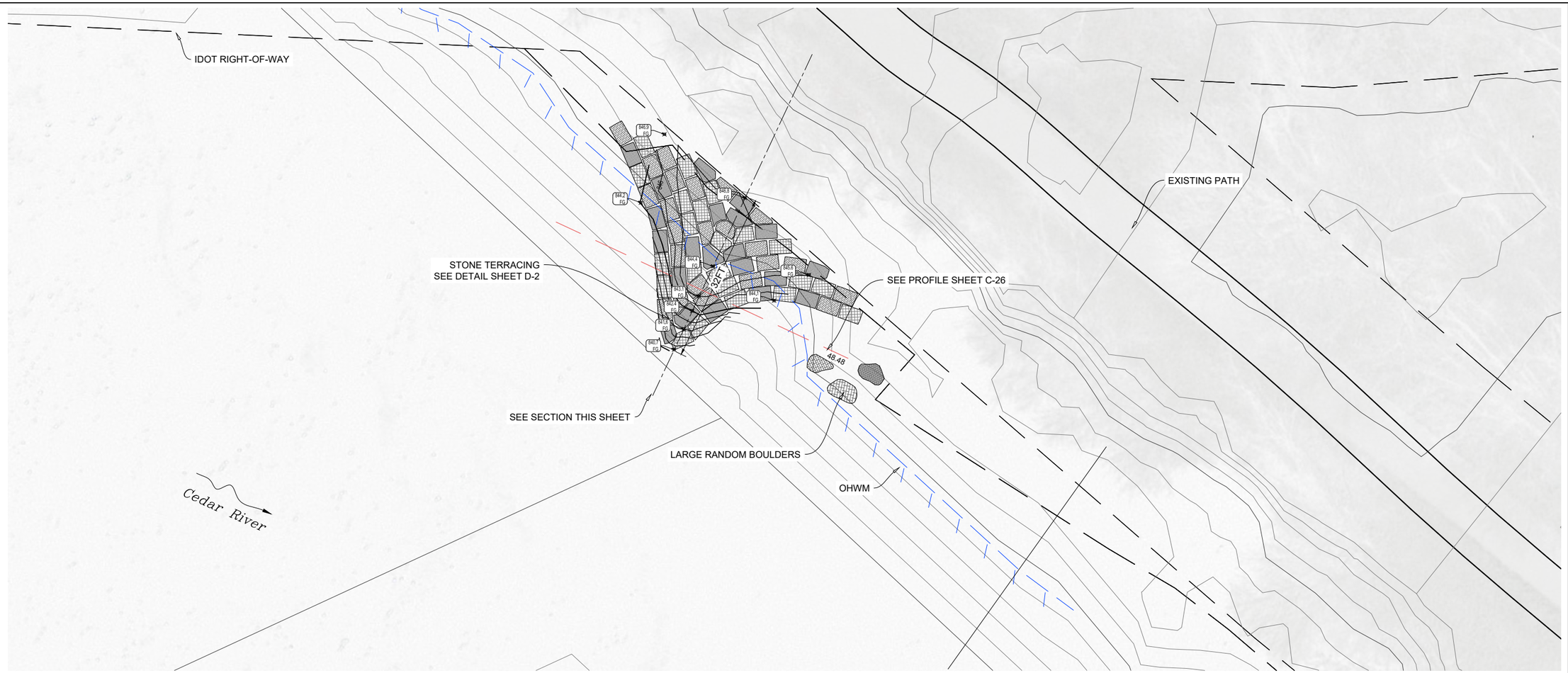
CHECKED: SS DRAFTED: RG
PLOT DATE: 9/23/2022

DRAWING NO.
C-20



PLAN VIEW SITE PLAN

SCALE: 1"=10'

NOTE: DEFLECTOR #8 IS LOCATED OUTSIDE THE EXTENTS OF THE ORIGINAL BATHYMETRIC SURVEY. EXISTING CHANNEL INVERT ELEVATIONS INTERPOLATED FROM SURVEY INFORMATION UPSTREAM ALL ELEVATIONS TO BE CONFIRMED IN THE FIELD

N

SCALE BAR 1"=10'

10 0 10

CONTOUR INTERVAL 1FT

LEGEND

PARCEL BOUNDARIES

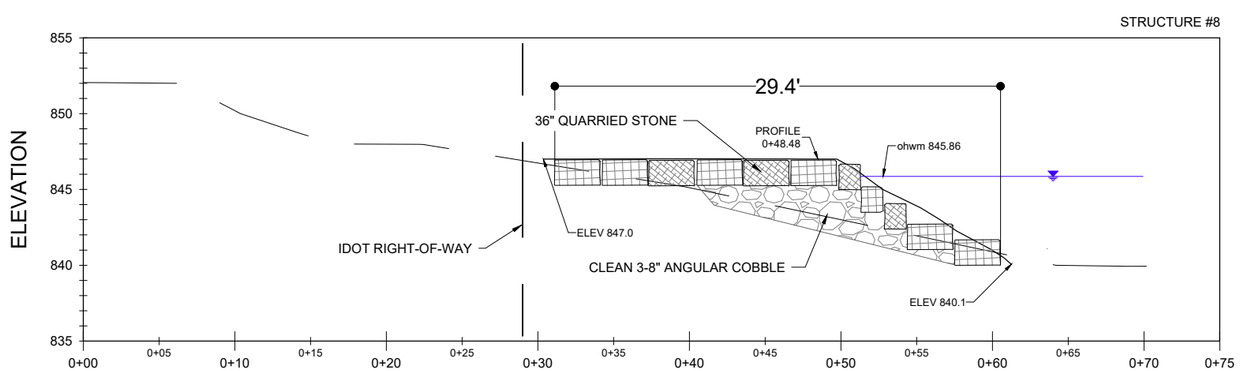
GROUTED BOULDERS

CONCRETE

CLEAN ANGULAR COBBLE

EXISTING GRADE

PROPOSED GRADE



STRUCTURE #8 SECTION

SCALE: 1"=5'

SECTION LOOKING DOWNSTREAM

NOTE:
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PO BOX 706
DURANGO | CO | 81302
WWW.RIVERWISE.ORG

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RIVER AREA & RIVERBANK IMPROVEMENTS
CEDAR RIVER BLACK HAWK COUNTY
PRELIMINARY - NOT FOR CONSTRUCTION
STRUCTURE #8

REVISIONS:

NO.	DATE

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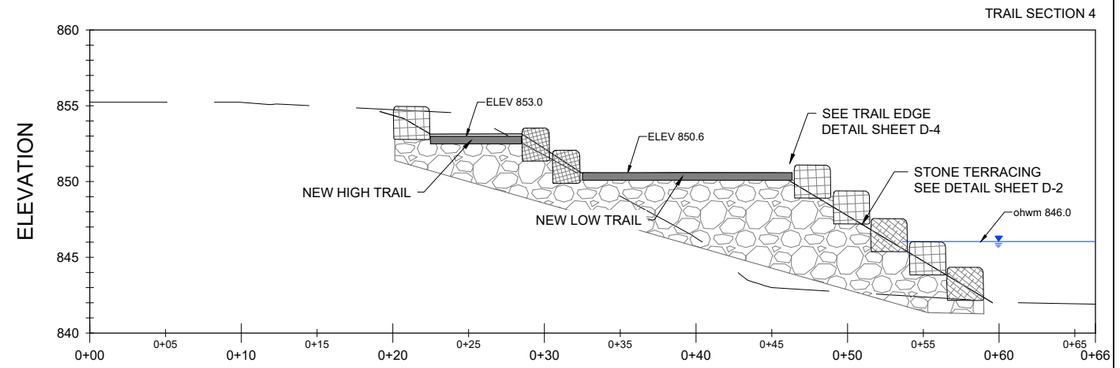
PLOT DATE: 9/23/2022

DRAWING NO.

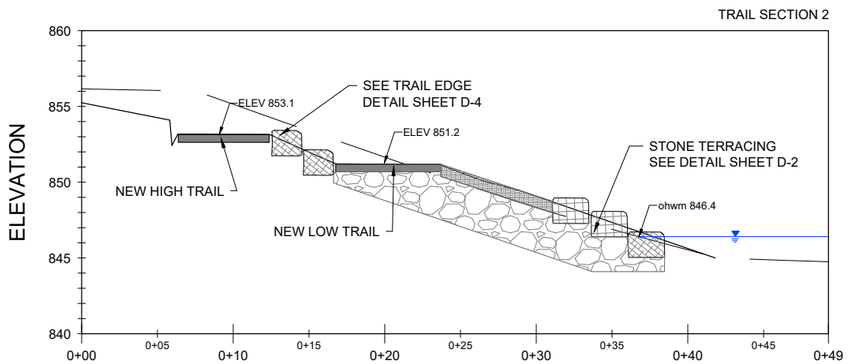
C-21

SHEET C-21



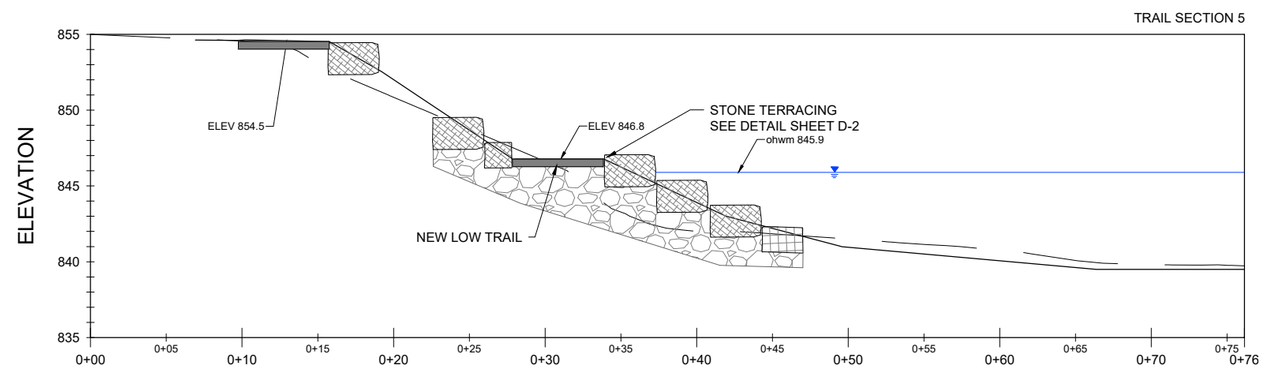
TRAIL SECTION 4

SCALE: 1"=5' SECTION LOOKING DOWNSTREAM



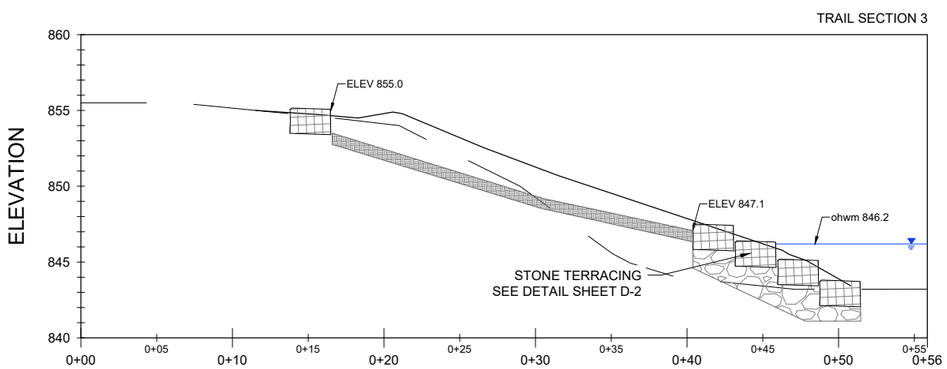
TRAIL SECTION 2

SCALE: 1"=5' SECTION LOOKING DOWNSTREAM



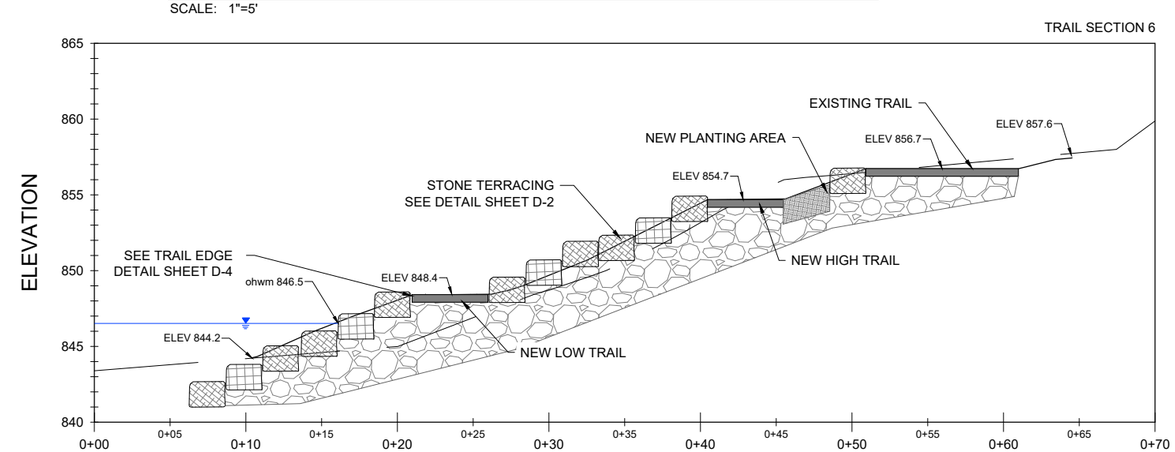
TRAIL SECTION 5

SCALE: 1"=5'



TRAIL SECTION 3

SCALE: 1"=5' SECTION LOOKING DOWNSTREAM



TRAIL SECTION 6

SCALE: 1"=5' SECTION LOOKING DOWNSTREAM

LEGEND

EXISTING GRADE | PROPOSED GRADE | GROUTED BOULDERS | CLEAN ANGULAR COBBLE | CONCRETE

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PO BOX 706
DURANGO | CO | 81302
WWW.RIVERWISE.ORG

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4/23/22
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50613

RIVER AREA & RIVERBANK IMPROVEMENTS
CEDAR RIVER BLACK HAWK COUNTY
PRELIMINARY - NOT FOR CONSTRUCTION
TRAIL SECTIONS 1

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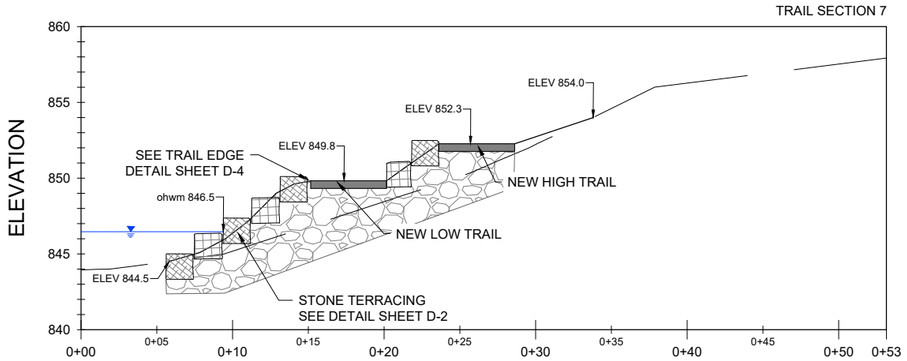
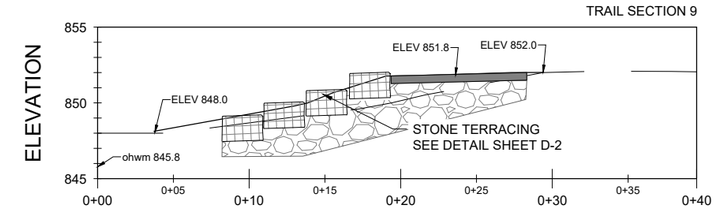
C-22

SHEET C-22



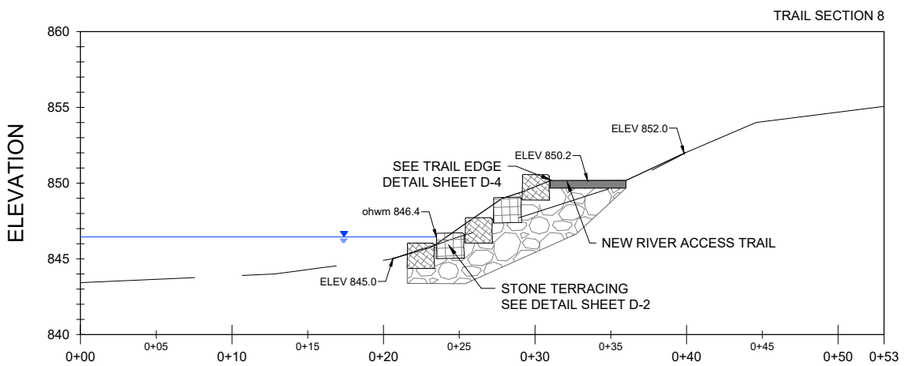
TRAIL SECTION 7

SCALE: 1"=5' SECTION LOOKING DOWNSTREAM



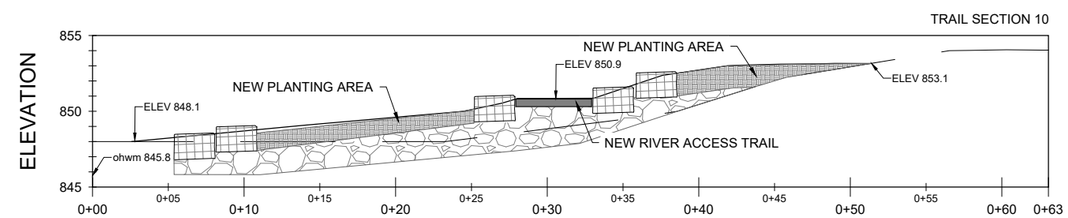
TRAIL SECTION 9

SCALE: 1"=5' SECTION LOOKING DOWNSTREAM



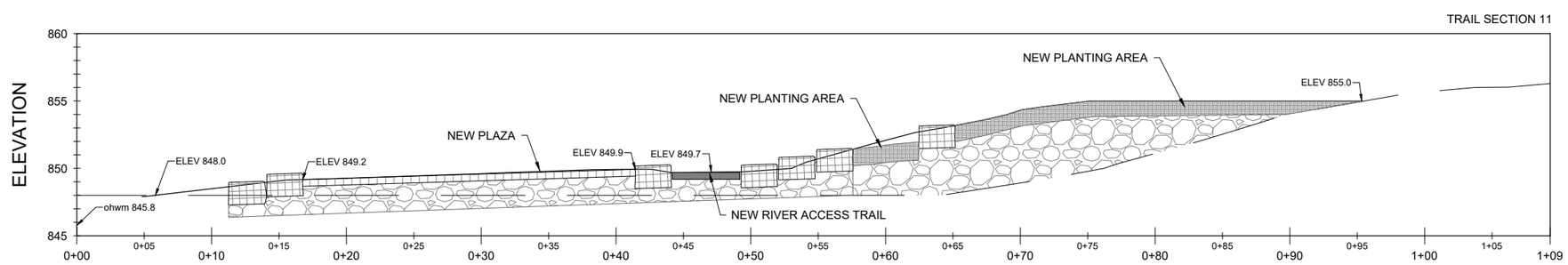
TRAIL SECTION 8

SCALE: 1"=5' SECTION LOOKING DOWNSTREAM



TRAIL SECTION 10

SCALE: 1"=5' SECTION LOOKING DOWNSTREAM



TRAIL SECTION 11

SCALE: 1"=5' SECTION LOOKING DOWNSTREAM

LEGEND

EXISTING GRADE

PROPOSED GRADE

GROUTED BOULDERS

CONCRETE

CLEAN ANGULAR COBBLE

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RIVER AREA & RIVERBANK IMPROVEMENTS
CEDAR RIVER BLACK HAWK COUNTY
PRELIMINARY - NOT FOR CONSTRUCTION
TRAIL SECTIONS 2

REVISIONS:

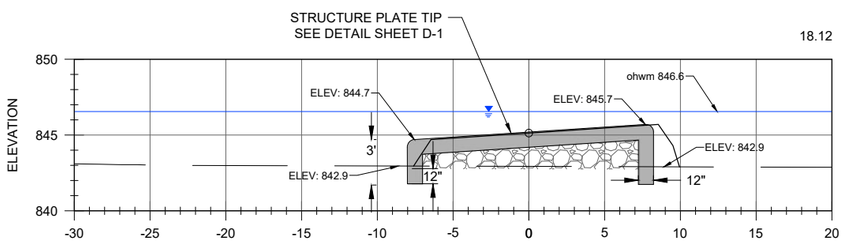
NO.	DATE

DESIGNED: SS, MH, LK, RG
CHECKED: SS DRAFTED: RG
PLOT DATE: 9/23/2022

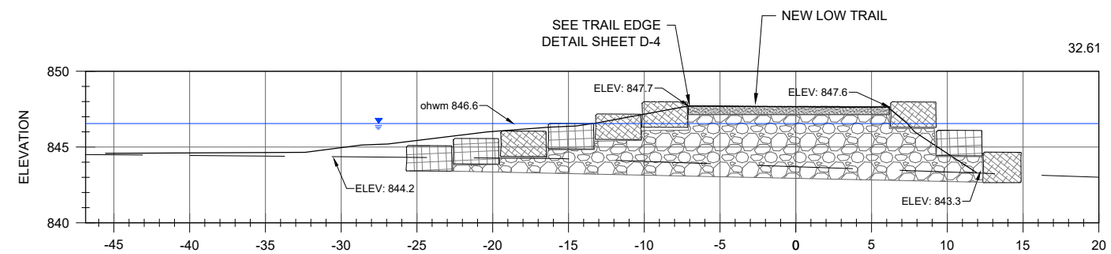
DRAWING NO.

C-23

SHEET C-23



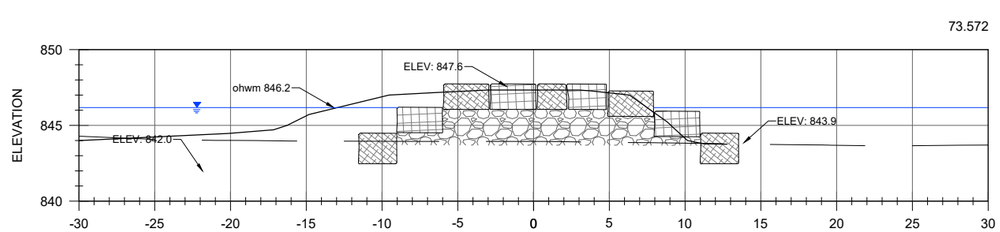
OFFSET FROM CL, STA: 0+18



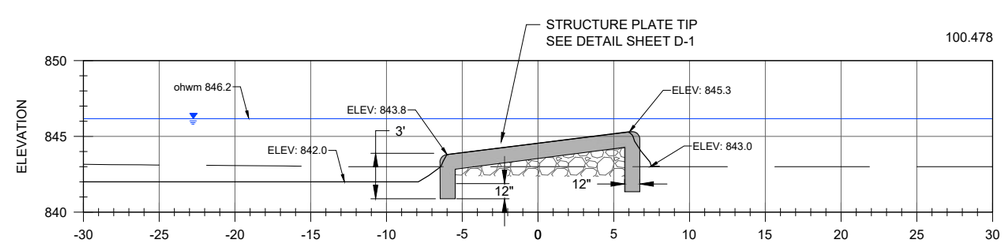
OFFSET FROM CL, STA: 0+33

STRUCTURE #2 PROFILES

SCALE: 1"=5' PROFILES LOOKING TOWARD RIVERBANK



OFFSET FROM CL, STA: 0+74



OFFSET FROM CL, STA: 1+00

STRUCTURE #3 PROFILES

SCALE: 1"=5' PROFILES LOOKING TOWARD RIVERBANK

NOTE:
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LEGEND

EXISTING GRADE
PROPOSED GRADE
GROUTED BOULDERS
CONCRETE
CLEAN ANGULAR COBBLE

RIVERWISE ENGINEERING, LLC
PO BOX 706
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WWW.RIVERWISE.ORG

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CEDAR RIVER BLACK HAWK COUNTY
PRELIMINARY - NOT FOR CONSTRUCTION
PROFILE VIEWS 1

REVISIONS:

NO.	DATE

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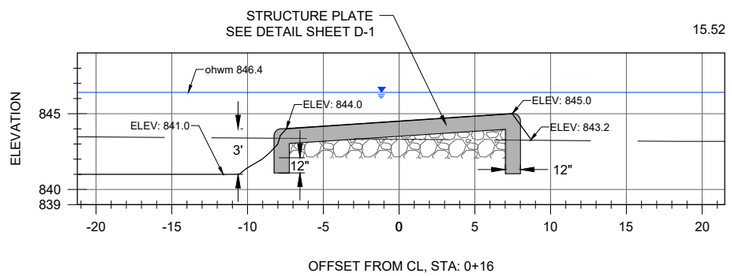
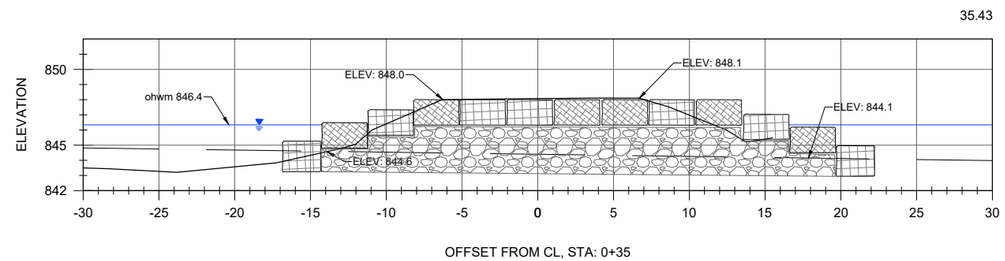
CHECKED: SS DRAFTED: RG
PLOT DATE: 9/23/2022

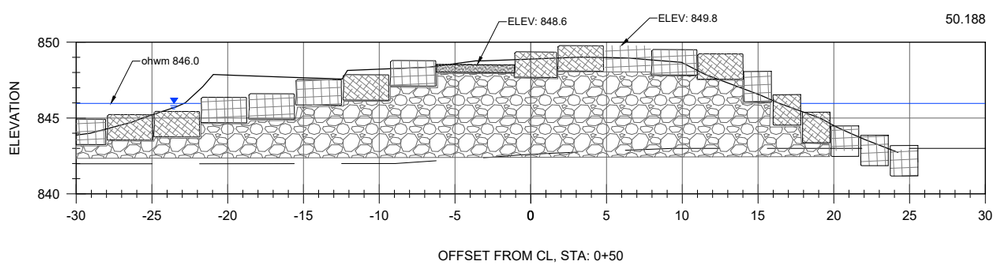
DRAWING NO.
C-24

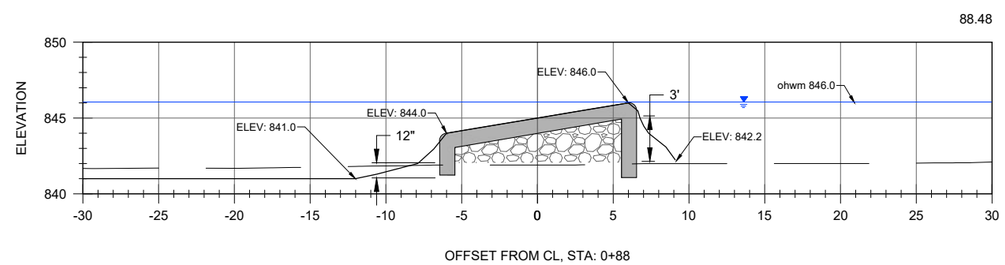




STRUCTURE #4 PROFILES

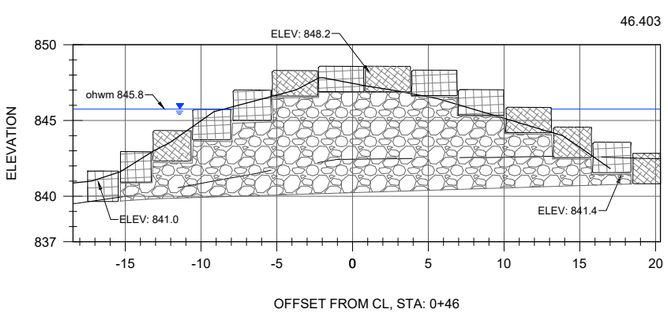
SCALE: 1"=5' PROFILES LOOKING TOWARD RIVERBANK

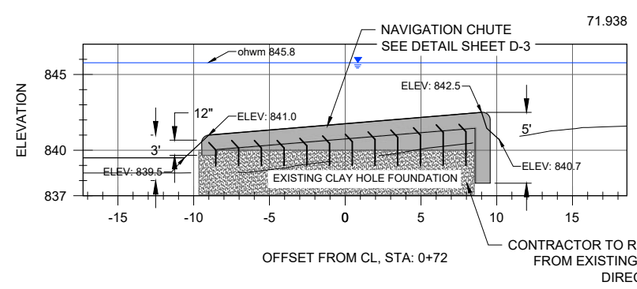


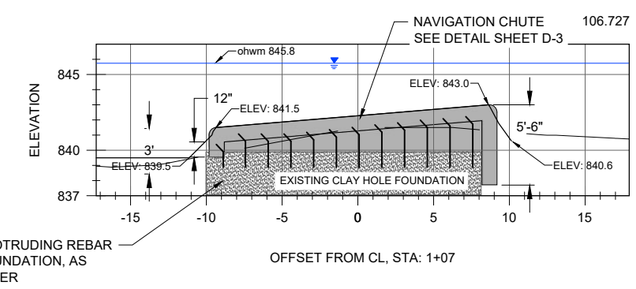


STRUCTURE #5 PROFILES

SCALE: 1"=5' PROFILES LOOKING TOWARD RIVERBANK







CONTRACTOR TO REMOVE ANY PROTRUDING REBAR FROM EXISTING CLAY HOLE FOUNDATION, AS DIRECTED BY ENGINEER

STRUCTURE #7 (CLAY HOLE) PROFILES CONTINUED

SCALE: 1"=5' PROFILES LOOKING TOWARD RIVERBANK

NOTE:
BEDROCK CONTACT IS ANTICIPATED AT THE CHANNEL INVERT. STRUCTURE ANCHORING IN BEDROCK CONDITION SHALL BE CONCRETE TRENCHWALL KEYED 12" INTO BEDROCK. IF BEDROCK IS NOT CONTACTED AT THE CHANNEL INVERT STRUCTURES SHALL BE ANCHORED 60" INTO NATIVE ALLUVIUM WITH GROUTED BOULDERS. SEE ALTERNATE STRUCTURE PLATE DETAIL SHEET D-1 - PRESCRIBED PLATE DIMENSIONS

LEGEND

EXISTING GRADE
PROPOSED GRADE
GROUTED BOULDERS
CONCRETE
CLEAN ANGULAR COBBLE

RIVERWISE ENGINEERING, LLC
PO BOX 706
DURANGO | CO | 81302
WWW.RIVERWISE.ORG

LICENSED PROFESSIONAL ENGINEER
4/23/22
SHANE A. SIGLE
21194
IOWA

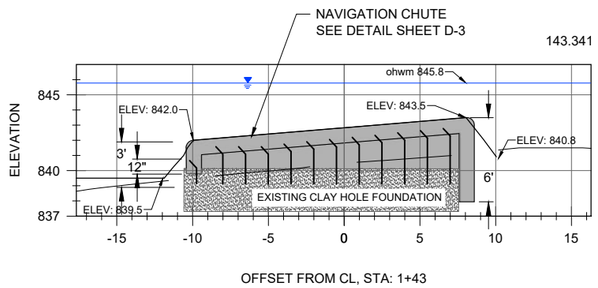
PROJECT OWNER:
CITY OF CEDAR FALLS
220 CLAY STREET
CEDAR FALLS, IA
50613

RIVER AREA & RIVERBANK IMPROVEMENTS
CEDAR RIVER BLACK HAWK COUNTY
PRELIMINARY - NOT FOR CONSTRUCTION
PROFILE VIEWS 2

REVISIONS:	
NO.	DATE

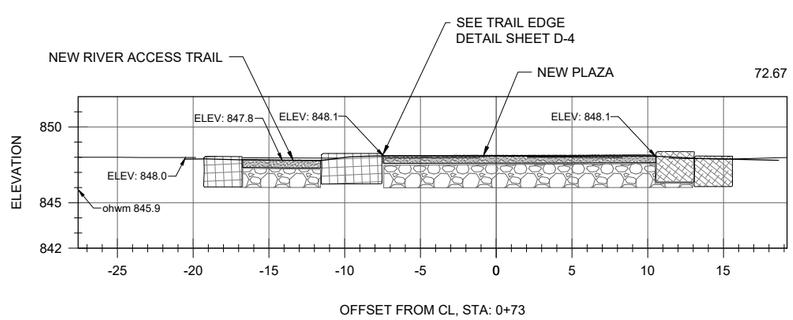
DESIGNED: SS, MH, LK, RG
CHECKED: SS DRAFTED: RG
PLOT DATE: 9/23/2022

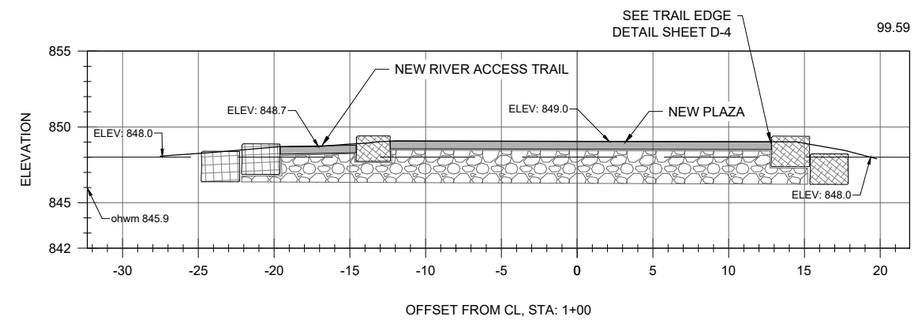
DRAWING NO.
C-25



STRUCTURE #7 (CLAY HOLE) PROFILES CONTINUED

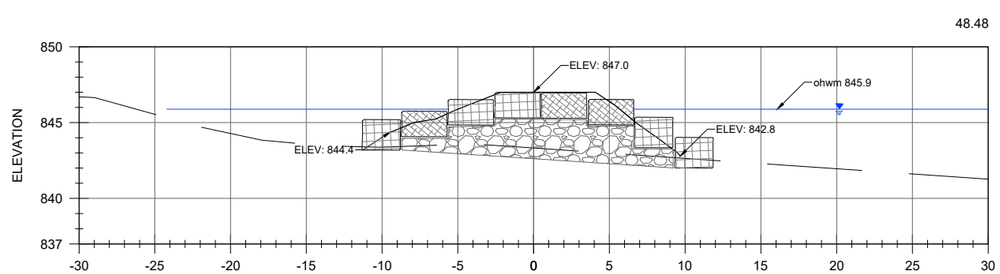
SCALE: 1"=5' PROFILES LOOKING TOWARD RIVERBANK





SRUCTURE #6 PROFILES

SCALE: 1"=5' PROFILES LOOKING TOWARD RIVERBANK



STRUCTURE #8 PROFILES

SCALE: 1"=5' PROFILES LOOKING TOWARD RIVERBANK

NOTE:
BEDROCK CONTACT IS ANTICIPATED AT THE CHANNEL INVERT. STRUCTURE ANCHORING IN BEDROCK CONDITION SHALL BE CONCRETE TRENCHWALL KEYED 12" INTO BEDROCK. IF BEDROCK IS NOT CONTACTED AT THE CHANNEL INVERT STRUCTURES SHALL BE ANCHORED 60" INTO NATIVE ALLUVIUM WITH GROUTED BOULDERS. SEE ALTERNATE STRUCTURE PLATE DETAIL SHEET D-1 - PRESCRIBED PLATE DIMENSIONS

LEGEND

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PROPOSED GRADE
GROUTED BOULDERS
CONCRETE
CLEAN ANGULAR COBBLE

RIVERWISE ENGINEERING, LLC
PO BOX 706
DURANGO | CO | 81302
WWW.RIVERWISE.ORG

LICENSED PROFESSIONAL ENGINEER
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RIVER AREA & RIVERBANK IMPROVEMENTS
CEDAR RIVER BLACK HAWK COUNTY
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REVISIONS:

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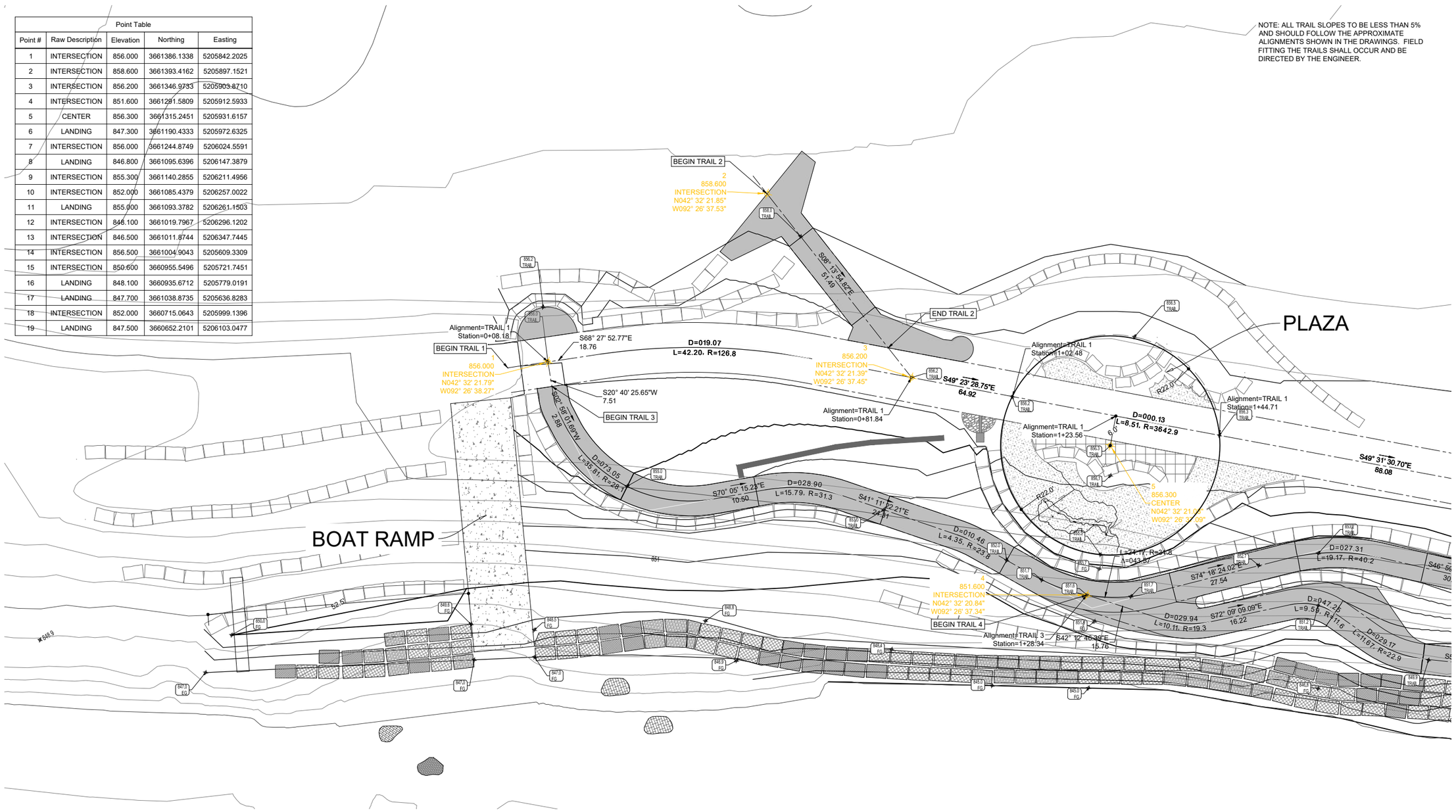
CHECKED: SS DRAFTED: RG
PLOT DATE: 9/23/2022

DRAWING NO.
C-26

Point Table				
Point #	Raw Description	Elevation	Northing	Easting
1	INTERSECTION	856.000	3661386.1338	5205842.2025
2	INTERSECTION	858.600	3661393.4162	5205897.1521
3	INTERSECTION	856.200	3661346.9733	5205903.8710
4	INTERSECTION	851.600	3661281.5809	5205912.5933
5	CENTER	856.300	3661315.2451	5205931.6157
6	LANDING	847.300	3661190.4333	5205972.6325
7	INTERSECTION	856.000	3661244.8749	5206024.5591
8	LANDING	846.800	3661095.6396	5206147.3879
9	INTERSECTION	855.300	3661140.2855	5206211.4956
10	INTERSECTION	852.000	3661085.4379	5206257.0022
11	LANDING	855.000	3661093.3782	5206261.1503
12	INTERSECTION	846.100	3661019.7967	5206296.1202
13	INTERSECTION	846.500	3661011.8744	5206347.7445
14	INTERSECTION	856.500	3661004.9043	5205609.3309
15	INTERSECTION	850.600	3660955.5496	5205721.7451
16	LANDING	848.100	3660935.6712	5205779.0191
17	LANDING	847.700	3661038.8735	5205636.8283
18	INTERSECTION	852.000	3660715.0643	5205999.1396
19	LANDING	847.500	3660652.2101	5206103.0477

NOTE: ALL TRAIL SLOPES TO BE LESS THAN 5% AND SHOULD FOLLOW THE APPROXIMATE ALIGNMENTS SHOWN IN THE DRAWINGS. FIELD FITTING THE TRAILS SHALL OCCUR AND BE DIRECTED BY THE ENGINEER.



TRAIL LAYOUT 1

SCALE: 1"=10'

N

SCALE BAR 1"=10'

10 0 10

CONTOUR INTERVAL 1FT

LEGEND

GROUTED BOULDERS

EXISTING GRADE

PROPOSED GRADE

CONCRETE

CLEAN ANGULAR COBBLE

Riverwise Engineering

RIVERWISE
ENGINEERING, LLC
PO BOX 706
DURANGO | CO | 81302
WWW.RIVERWISE.ORG

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CEDAR RIVER BLACK HAWK COUNTY

PRELIMINARY - NOT FOR CONSTRUCTION

TRAIL LAYOUT 1

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DRAWING NO.

T-1

SHEET T-1 OF

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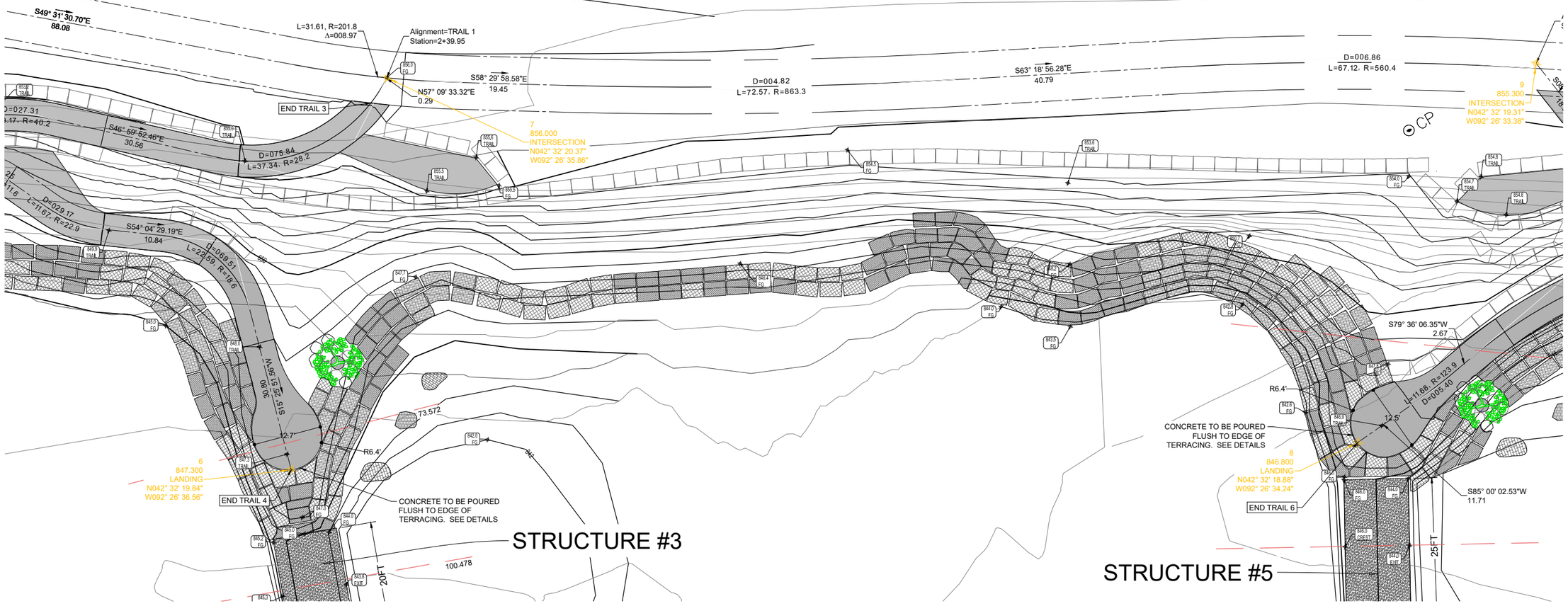

NORTH BANK

TRAIL LAYOUT 2

SCALE: 1"=10'

N

SCALE BAR 1"=10'

10 0 10

CONTOUR INTERVAL 1FT

LEGEND

GROUTED BOULDERS

EXISTING GRADE

PROPOSED GRADE

CONCRETE

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DURANGO | CO | 81302
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CEDAR RIVER BLACK HAWK COUNTY
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TRAIL LAYOUT 2

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DRAWING NO.

T-2

SHEET T-2 OF

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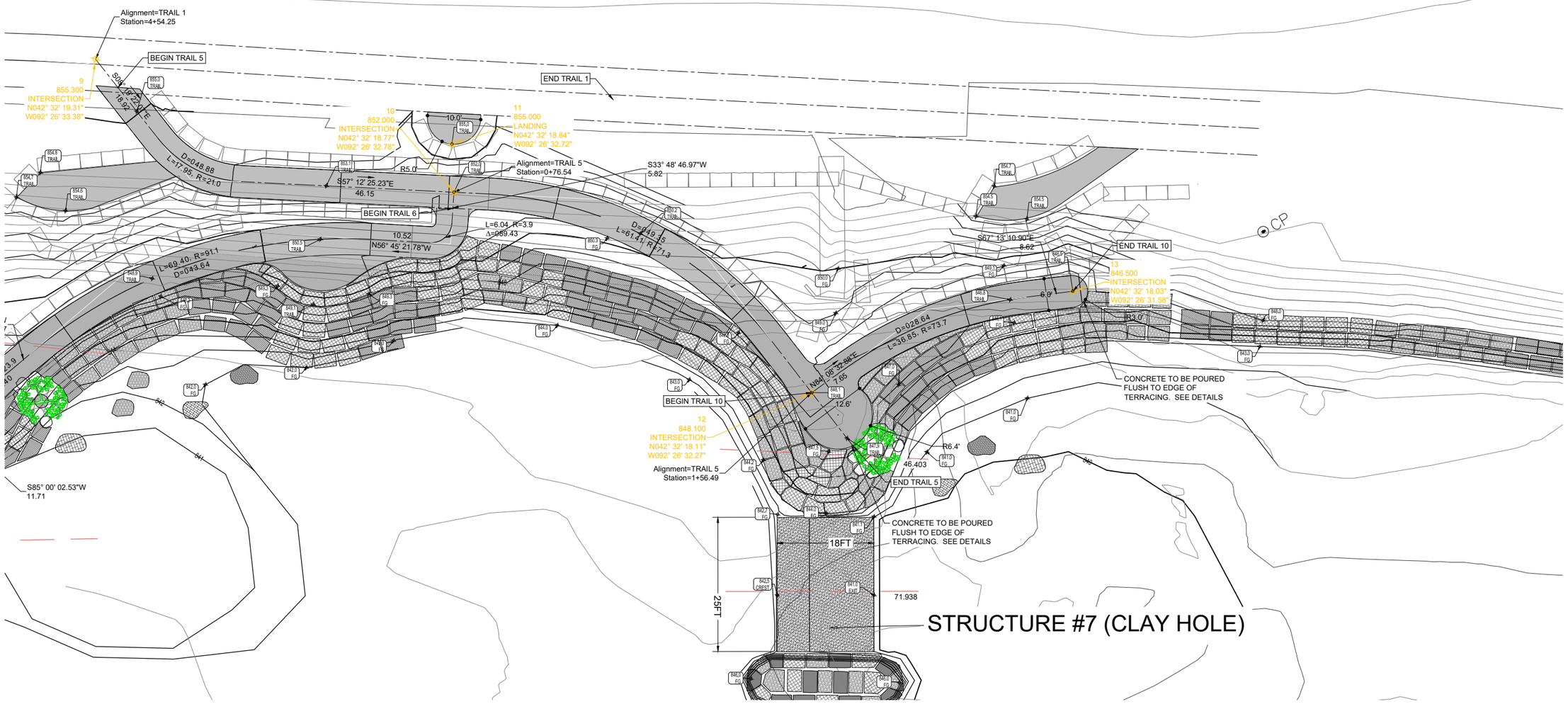

TRAIL LAYOUT 3

SCALE: 1"=10'

N

SCALE BAR 1"=10'

10 0 10

CONTOUR INTERVAL 1FT

LEGEND

GROUTED BOULDERS

EXISTING GRADE

PROPOSED GRADE

CONCRETE

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PO BOX 706
DURANGO | CO | 81302
WWW.RIVERWISE.ORG

LICENSED PROFESSIONAL ENGINEER
4/23/23
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21194
IOWA

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CEDAR RIVER BLACK HAWK COUNTY
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TRAIL LAYOUT 3

REVISIONS:

NO.	DATE

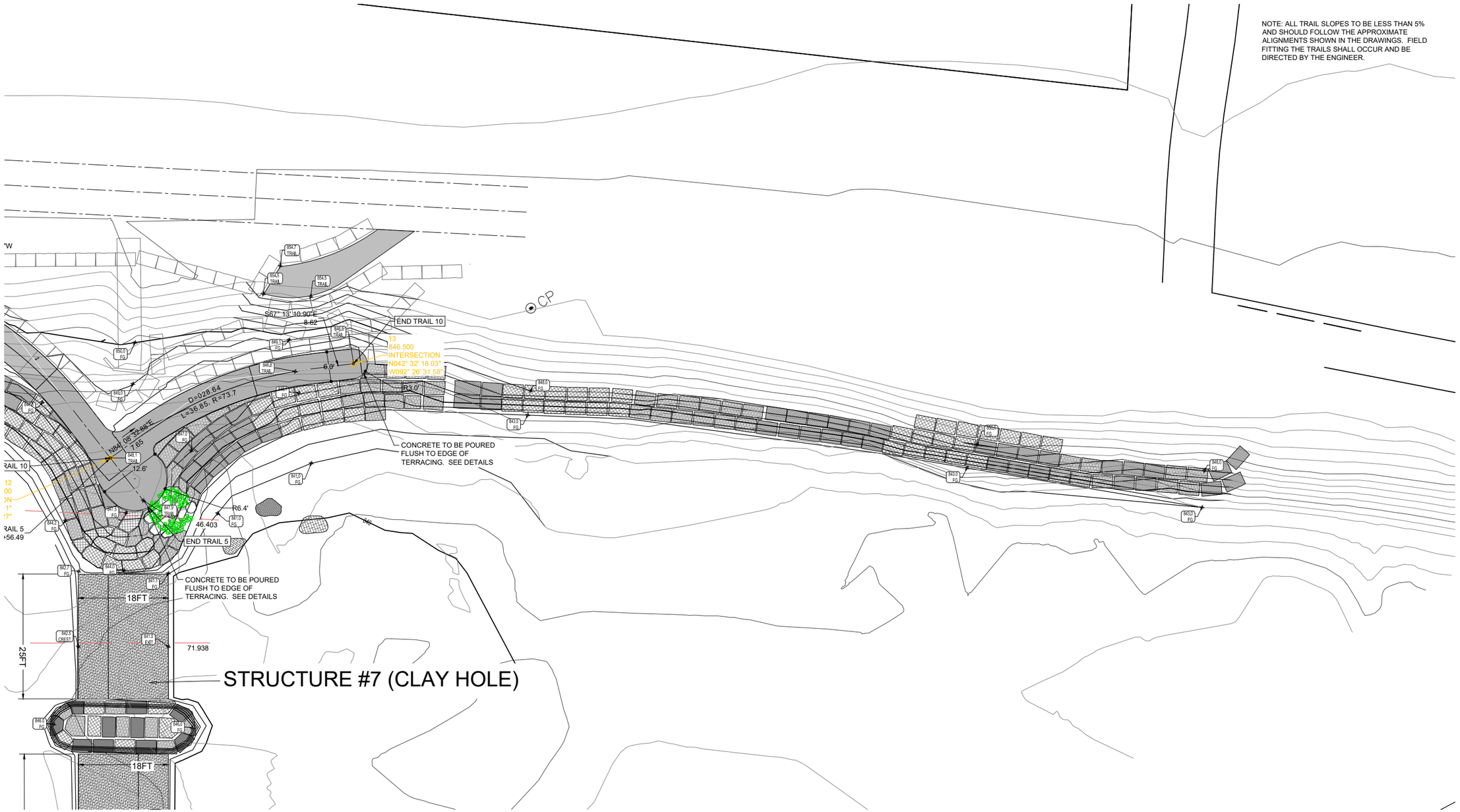
DESIGNED: SS, MH, LK, RG
CHECKED: SS DRAFTED: RG
PLOT DATE: 9/23/2022

DRAWING NO.

T-3

SHEET T-3 O

NOTE: ALL TRAIL SLOPES TO BE LESS THAN 5% AND SHOULD FOLLOW THE APPROXIMATE ALIGNMENTS SHOWN IN THE DRAWINGS. FIELD FITTING THE TRAILS SHALL OCCUR AND BE DIRECTED BY THE ENGINEER.



TRAIL LAYOUT 4

SCALE: 1"=10'

N

SCALE BAR 1"=10'

10 0 10

CONTOUR INTERVAL 1FT

LEGEND

GROUTED BOULDERS

EXISTING GRADE

PROPOSED GRADE

CONCRETE

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PO BOX 706
DURANGO | CO | 81302
WWW.RIVERWISE.ORG

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220 CLAY STREET
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CEDAR RIVER BLACK HAWK COUNTY
PRELIMINARY - NOT FOR CONSTRUCTION
TRAIL LAYOUT 4

REVISIONS:

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DESIGNED: SS, MH, LK, RG
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PLOT DATE: 9/23/2022

DRAWING NO.

T-4

SHEET T-4 OF

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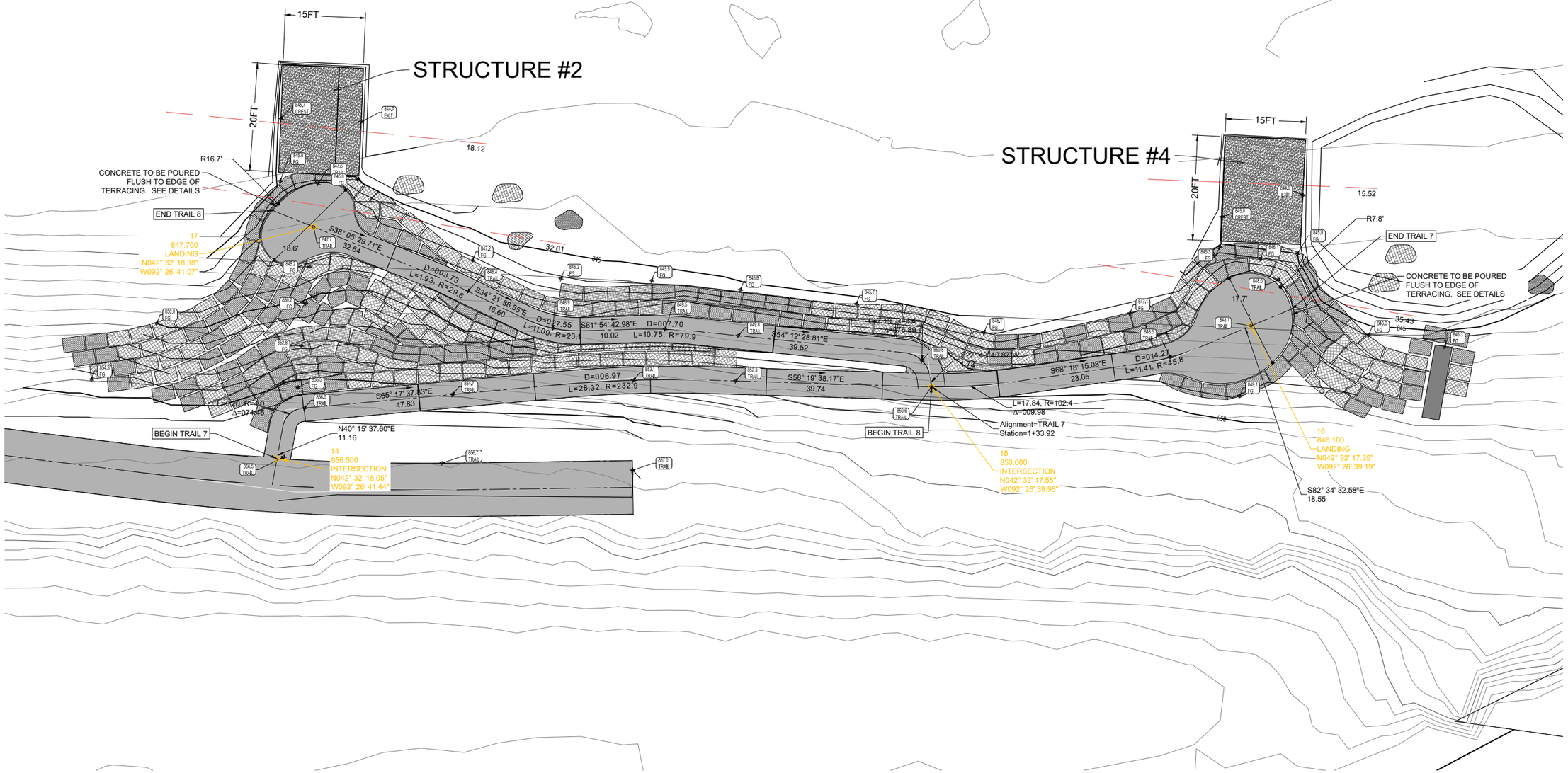

SOUTH BANK

TRAIL LAYOUT 5

SCALE: 1"=10'

N

SCALE BAR 1"=10'

10 0 10

CONTOUR INTERVAL 1FT

LEGEND

GROUTED BOULDERS

EXISTING GRADE

PROPOSED GRADE

CONCRETE

CLEAN ANGULAR COBBLE

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RIVERWISE ENGINEERING, LLC
PO BOX 706
DURANGO | CO | 81302
WWW.RIVERWISE.ORG

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4/23/23
SHANE A. SIGLE
21194
IOWA

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CITY OF CEDAR FALLS
220 CLAY STREET
CEDAR FALLS, IA
50613

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CEDAR RIVER BLACK HAWK COUNTY

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TRAIL LAYOUT 5

REVISIONS:

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DESIGNED: SS, MH, LK, RG
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PLOT DATE: 9/23/2022

DRAWING NO.

T-5

SHEET T-5 OF

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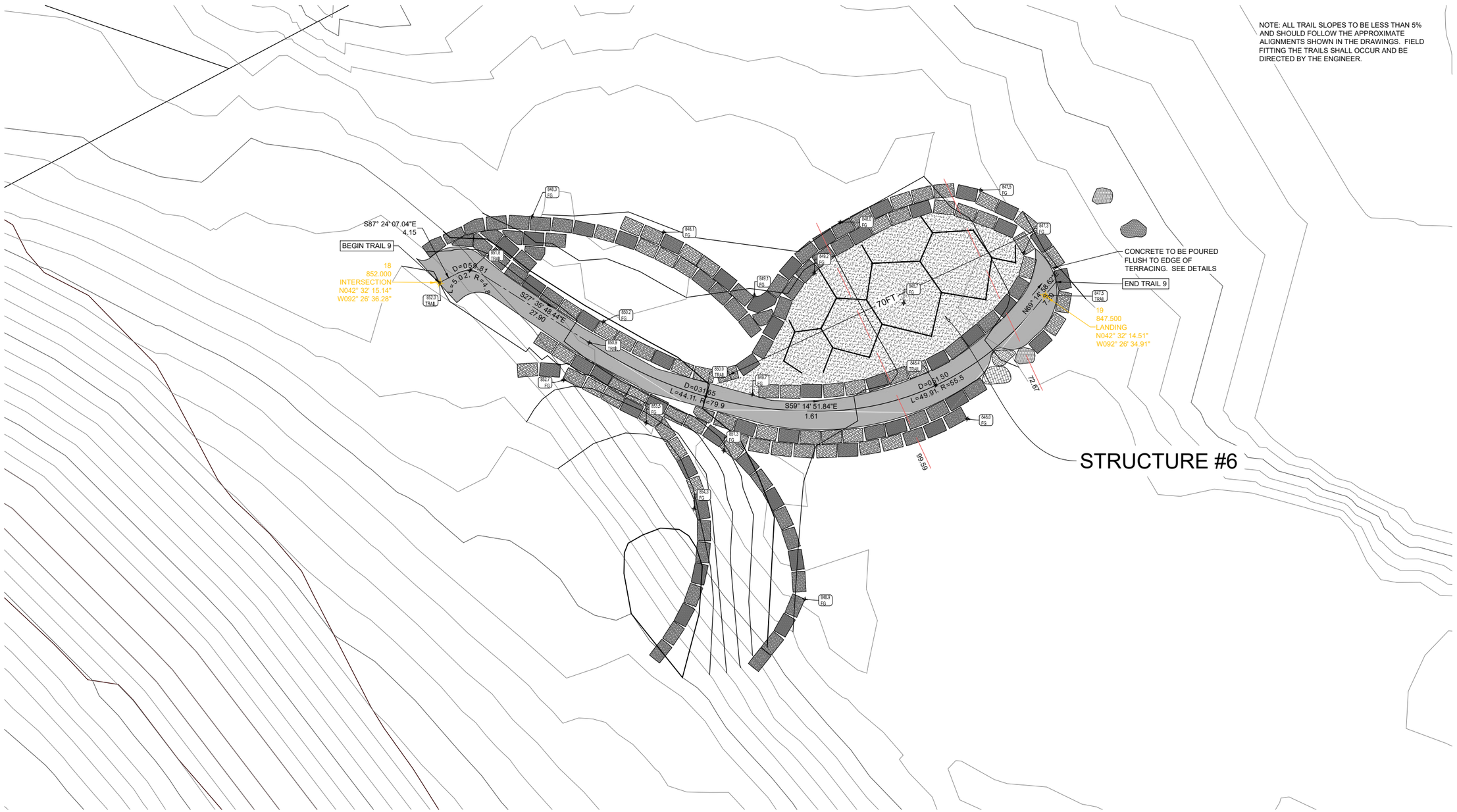

SOUTH BANK

TRAIL LAYOUT 6

SCALE: 1"=10'

N

SCALE BAR 1"=10'

10 0 10

CONTOUR INTERVAL 1FT

LEGEND

GROUTED BOULDERS

EXISTING GRADE

PROPOSED GRADE

CONCRETE

CLEAN ANGULAR COBBLE

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PO BOX 706
DURANGO | CO | 81302
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TRAIL LAYOUT 6

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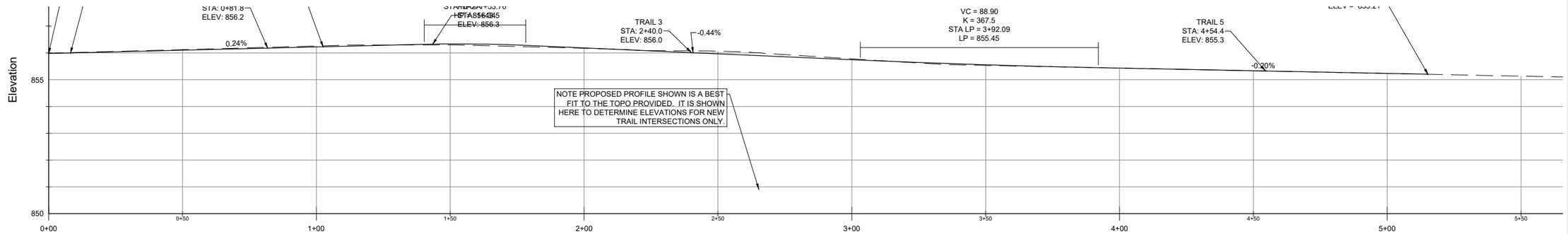
PLOT DATE: 9/23/2022

DRAWING NO.

T-6

SHEET T-6 C



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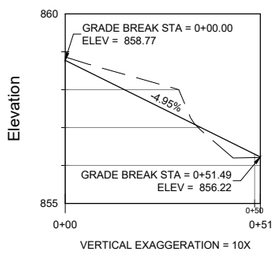

VERTICAL EXAGGERATION = 10X

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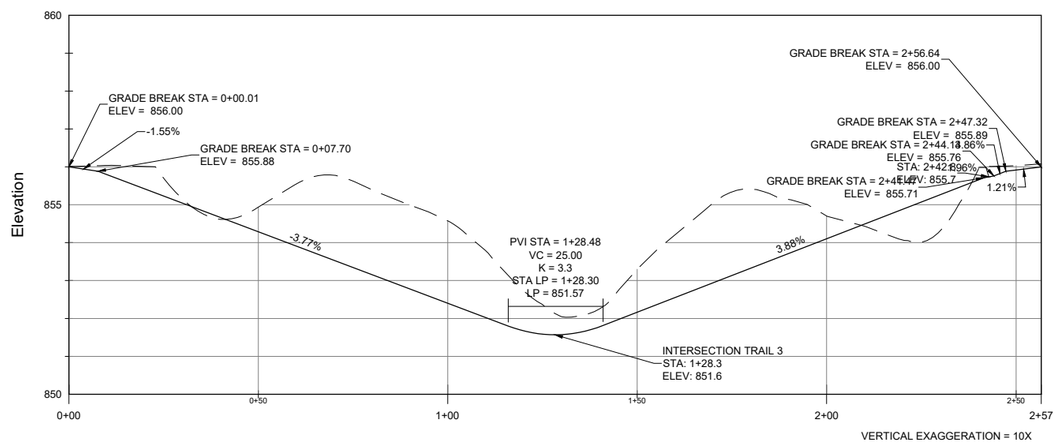

VERTICAL EXAGGERATION = 10X

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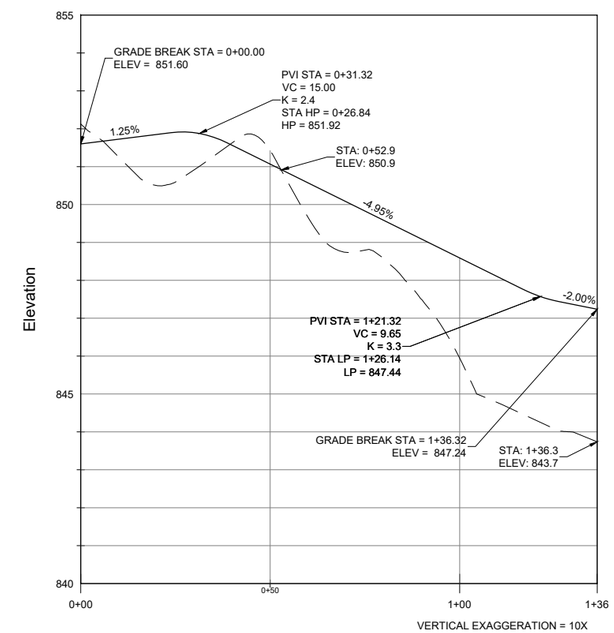
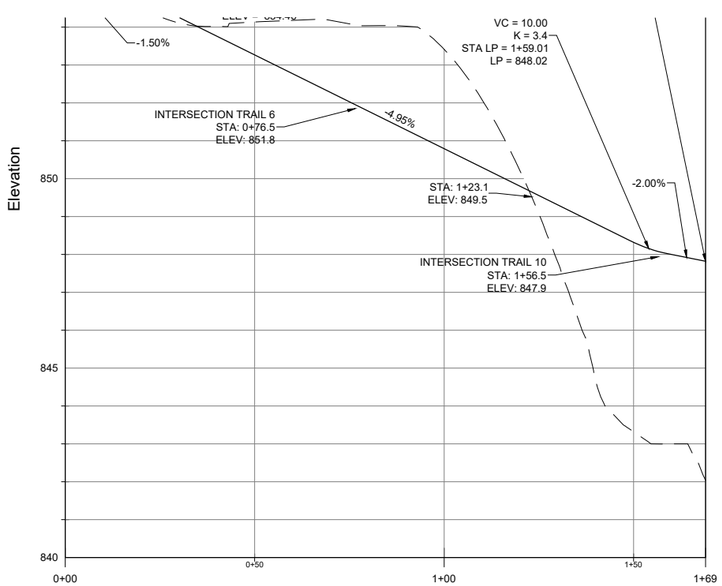


VERTICAL EXAGGERATION = 10X



VERTICAL EXAGGERATION = 10X

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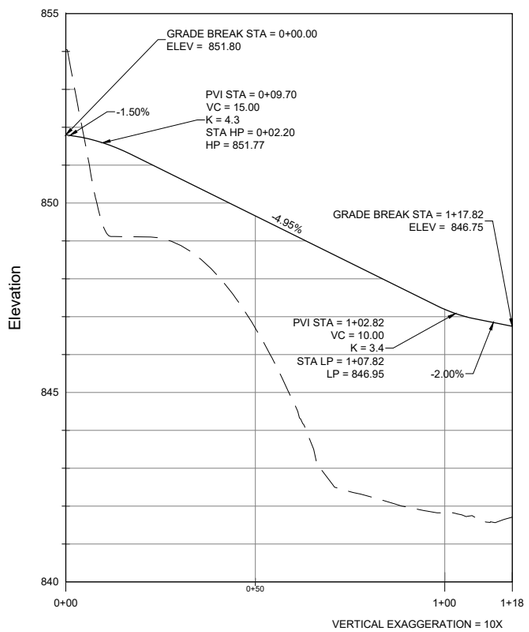
T-7

SHEET T-7 OF

TRAIL 6



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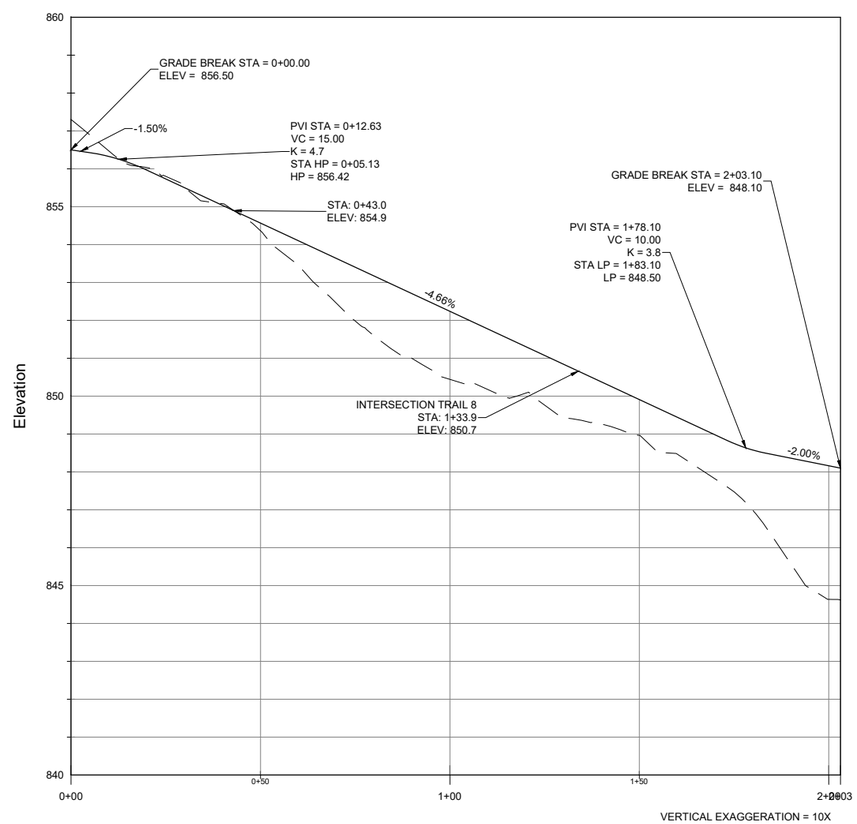

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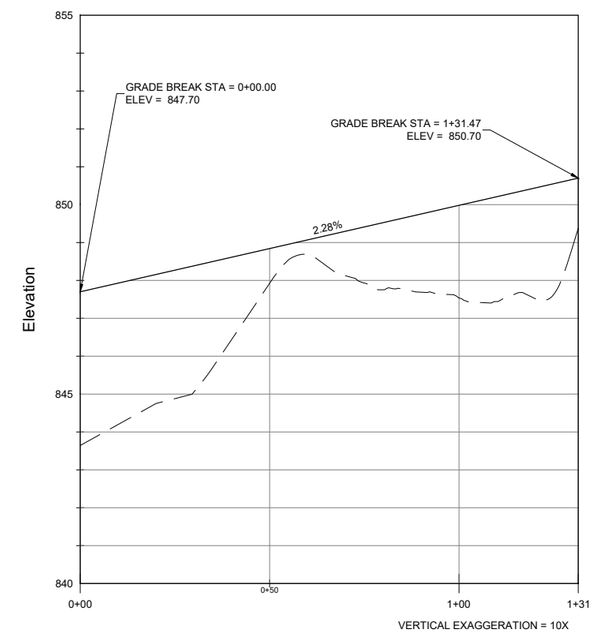

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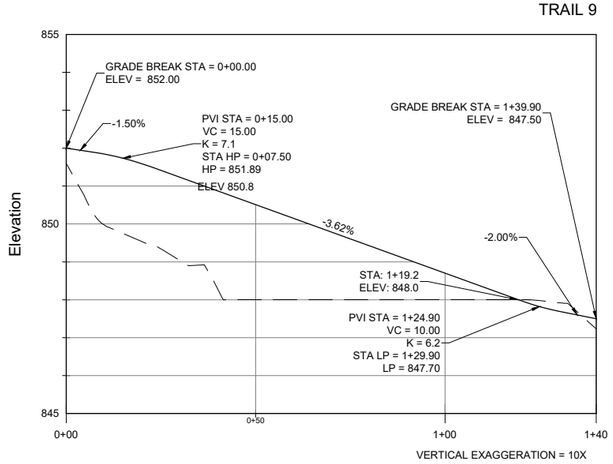

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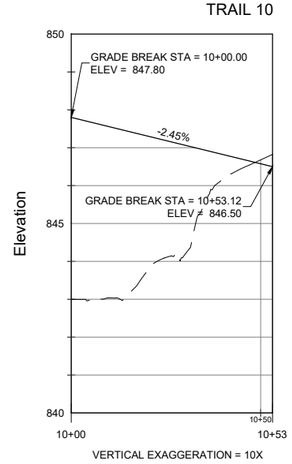

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RIVERWISE
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CEDAR RIVER
BLACK HAWK COUNTY
PRELIMINARY - NOT FOR CONSTRUCTION
TRAIL PROFILE 2

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DESIGNED: SS, MH, LK, RG
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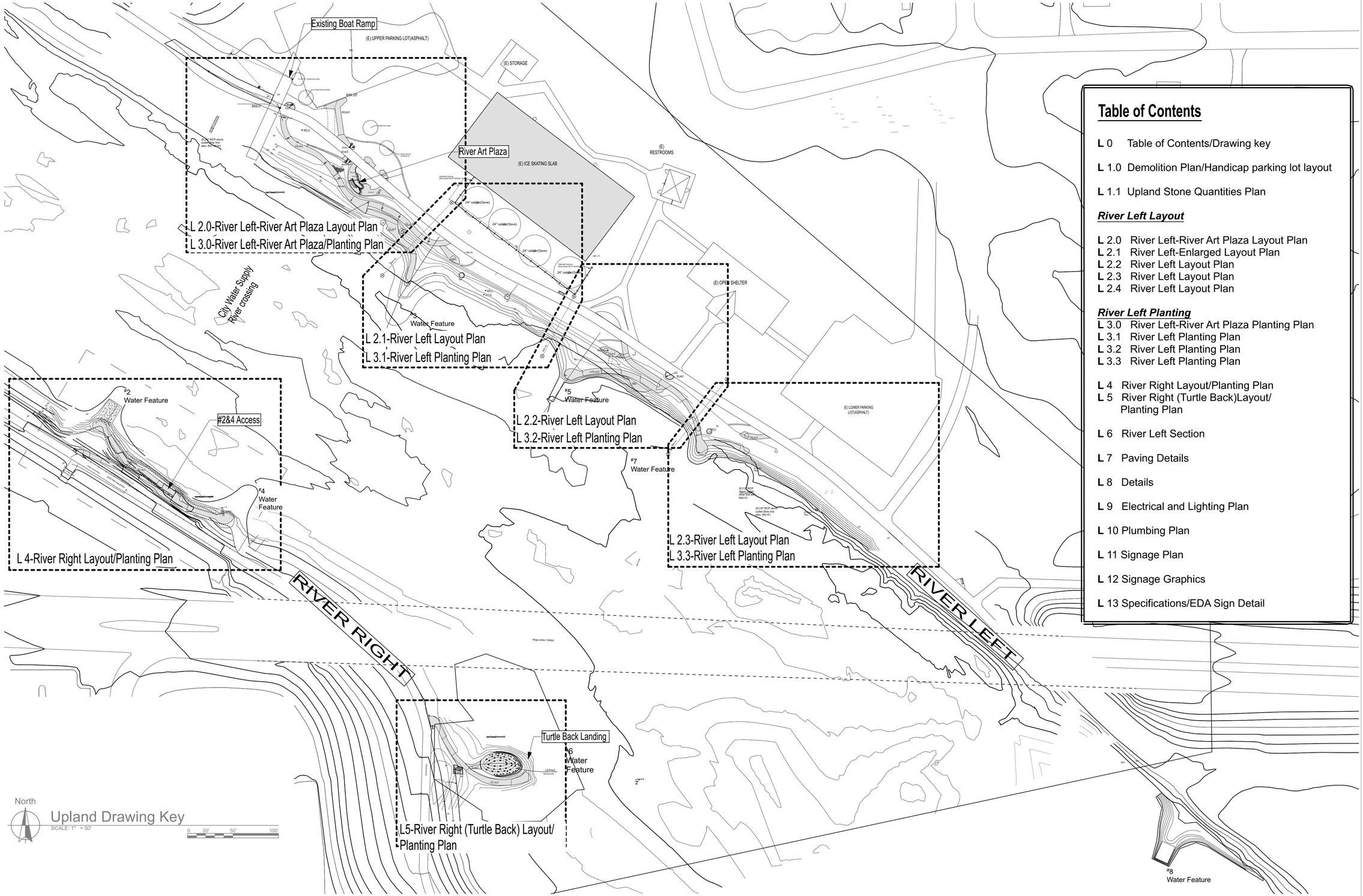
DRAFTED: RG
PLOT DATE: 9/23/2022

DRAWING NO.
T-8

SHEET T-8 O



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architecture & planning

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PROJECT OWNER:
CITY OF CEDAR FALLS, IOWA

Cedar River Recreational Improvements Project
Cedar River @ Cedar Falls, Iowa

Table of Contents/Drawing key

REVISIONS:

NO.	DATE

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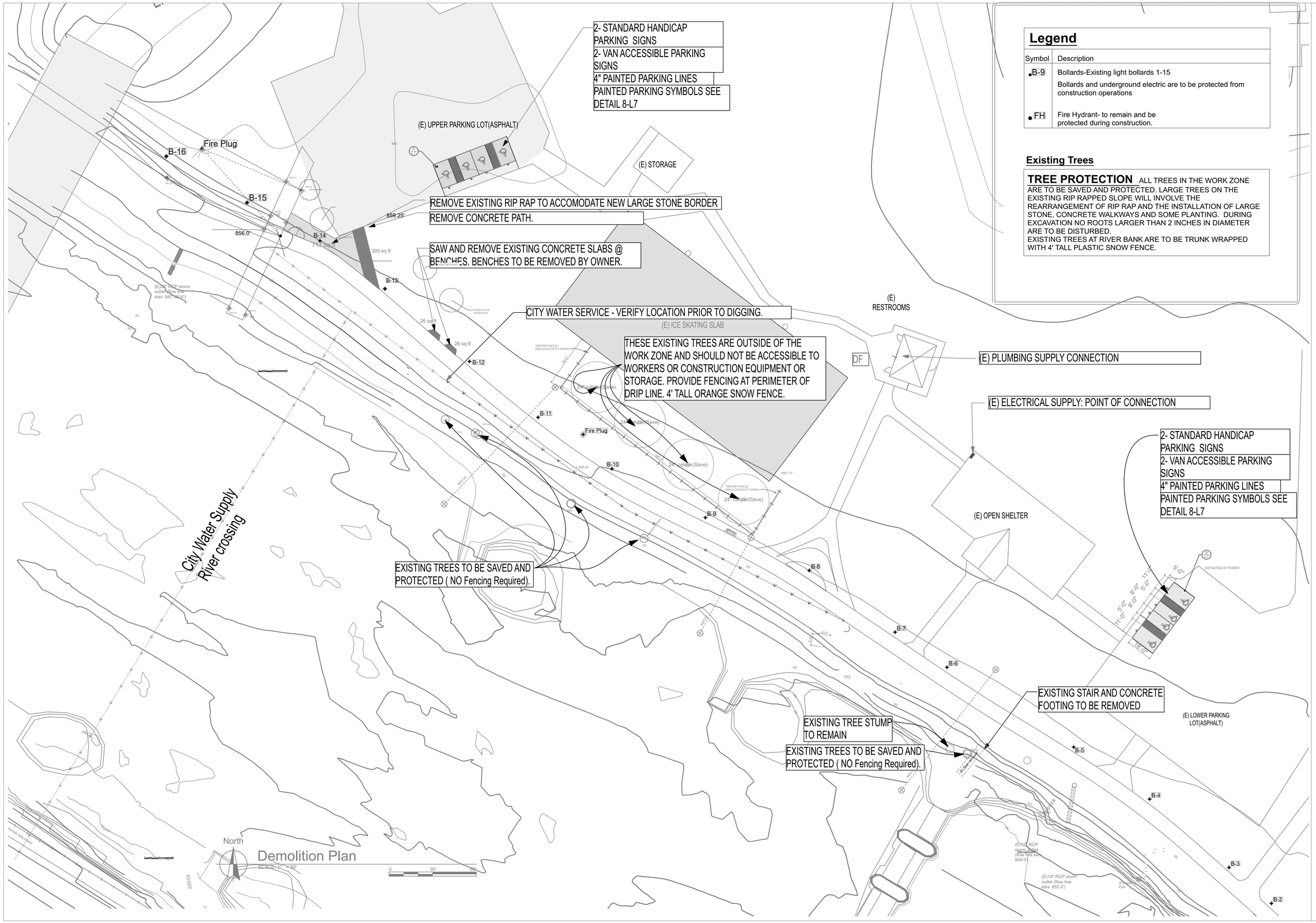
DRAWING NO.
Upland Drawings
L 0



Legend

Symbol	Description
B-9	Bollards-Existing light bollards 1-15 Bollards and underground electric are to be protected from construction operations
FH	Fire Hydrant- to remain and be protected during construction.

Existing Trees

TREE PROTECTION ALL TREES IN THE WORK ZONE ARE TO BE SAVED AND PROTECTED. LARGE TREES ON THE EXISTING RIP RAPPED SLOPE WILL INVOLVE THE REARRANGEMENT OF RIP RAP AND THE INSTALLATION OF LARGE STONE, CONCRETE WALKWAYS AND SOME PLANTING. DURING EXCAVATION NO ROOTS LARGER THAN 2 INCHES IN DIAMETER ARE TO BE DISTURBED.
EXISTING TREES AT RIVER BANK ARE TO BE TRUNK WRAPPED WITH 4' TALL PLASTIC SNOW FENCE.

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Cedar River Recreational Improvements Project
Cedar River @ Cedar Falls, Iowa

Demolition Plan and Handicap Parking Plan

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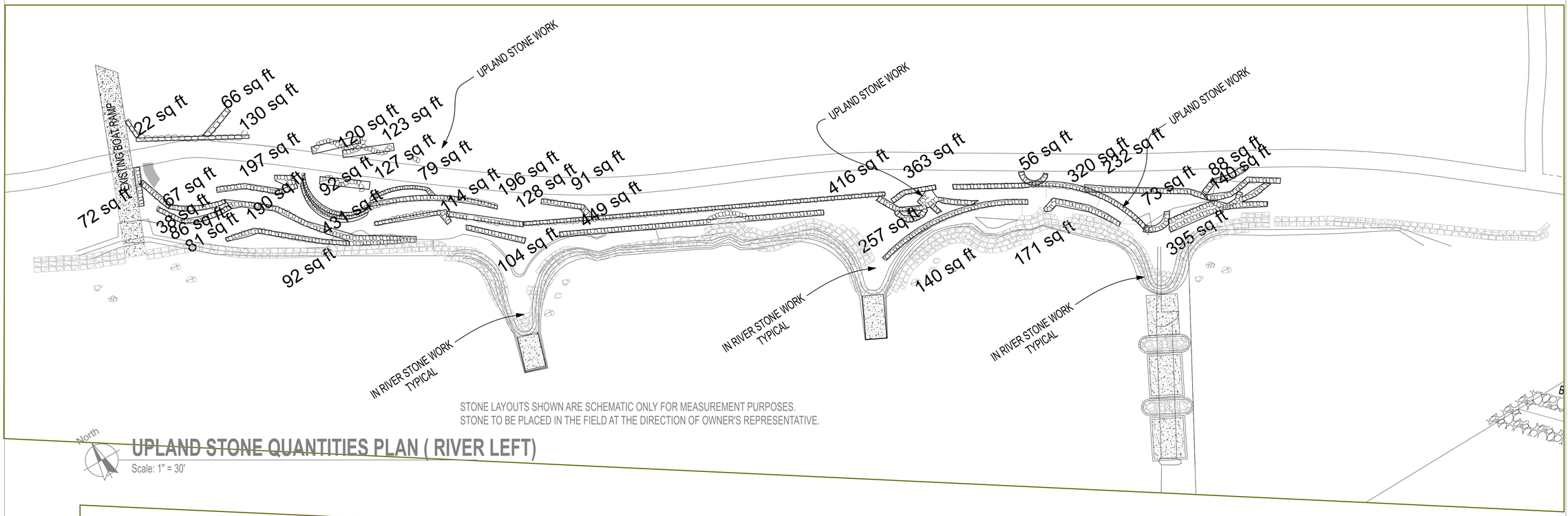
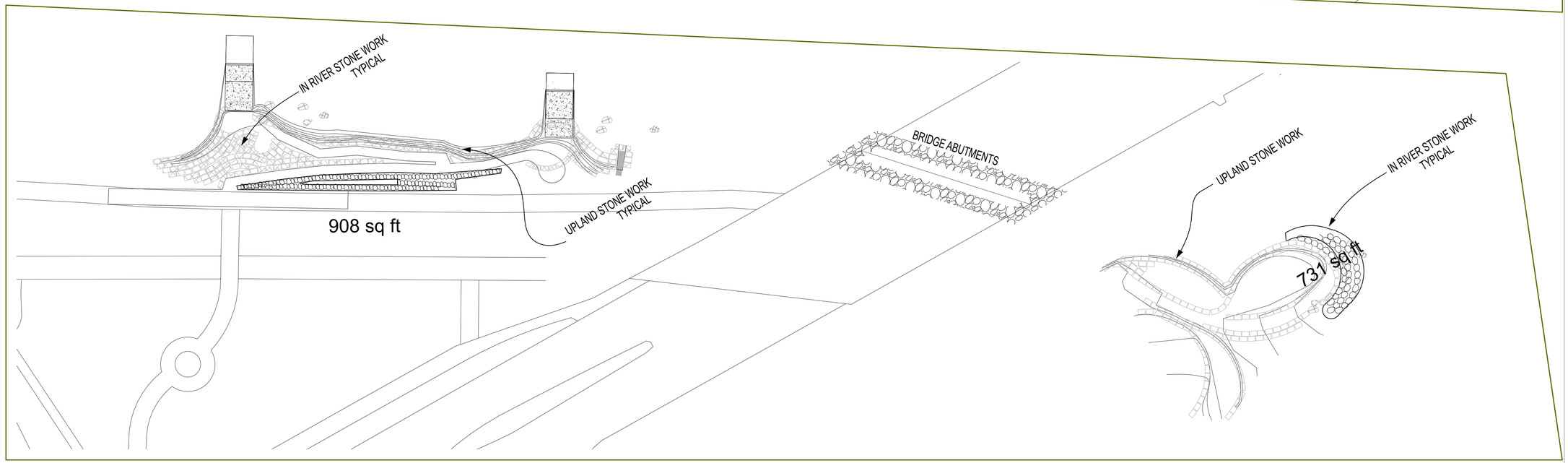


STONE LAYOUTS SHOWN ARE SCHEMATIC ONLY FOR MEASUREMENT PURPOSES.
STONE TO BE PLACED IN THE FIELD AT THE DIRECTION OF OWNER'S REPRESENTATIVE.

North

UPLAND STONE QUANTITIES PLAN (RIVER LEFT)

Scale: 1" = 30'



North

UPLAND STONE QUANTITIES PLAN (RIVER RIGHT)

Scale: 1" = 30'

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Cedar River Recreational Improvements Project
Cedar River @ Cedar Falls, Iowa

Upland Stone Quantities Plan

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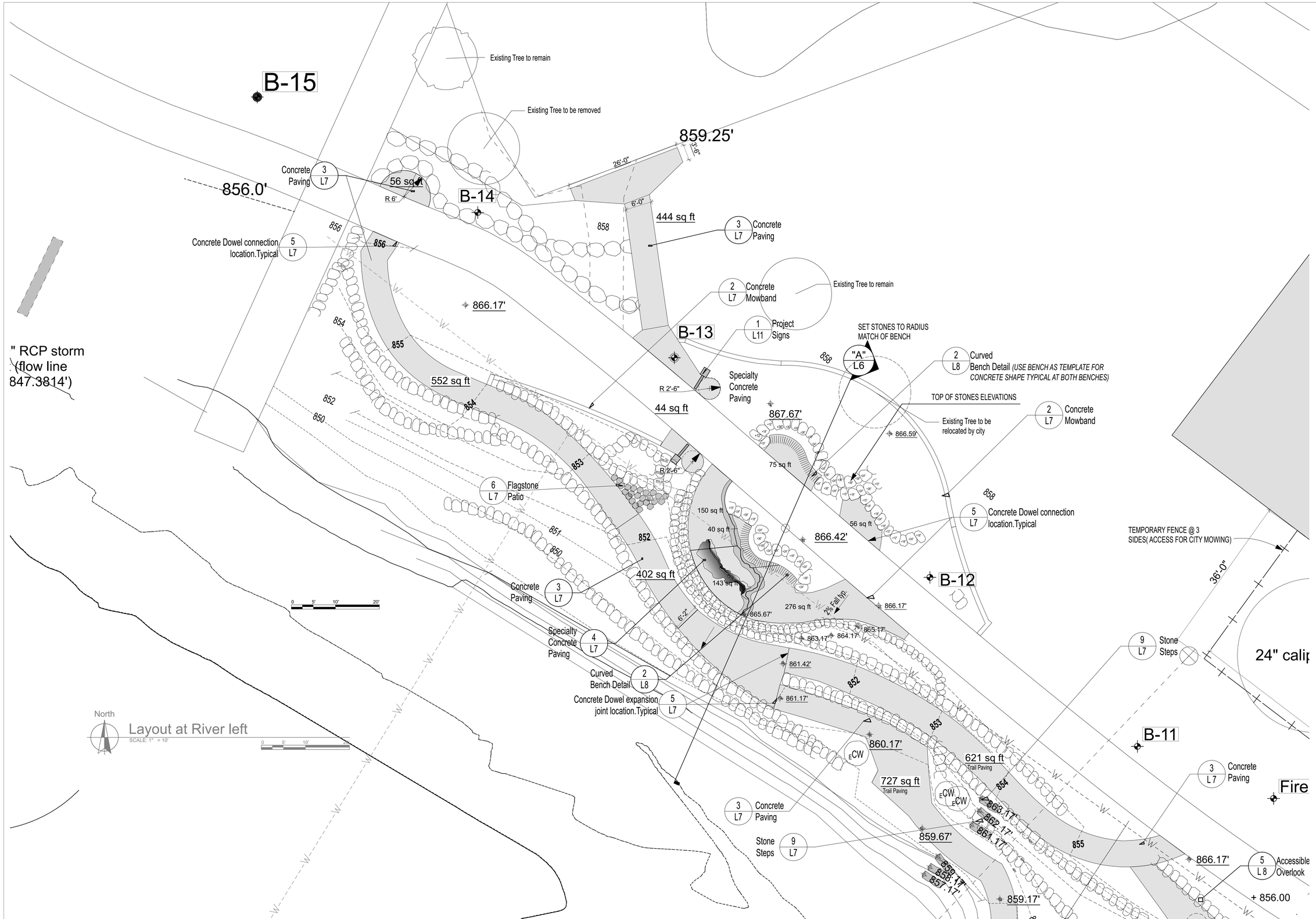
L 1.1



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Cedar River Recreational Improvements Project
Cedar River @ Cedar Falls, Iowa

River Left-River Art Plaza Layout Plan

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L 2.0

Slab Colors
"A"-Wheat w/ blue edge(stamp)
"B"-Wheat w/ blue edge(stamp)
"C"-Wheat w/ blue edge & green watershed(stamp)
"D"- Green w/blue edge and green watershed(stamp)
"E"Wheat(stamp)
"F"Wheat(stamp)
Provide Black 2" diameter dots at 5 locations

Form first the Mississippi RIver as construction cold joint using blue color hardener applied from 3 to 16 inch wide to follow edge in irregular widths. Slabs "A" and "B" as shown then stamp.

Start Layout Here at station point.

2 / L7 Concrete Mowband

Existing Tree to remain

1 / L11 Project Signs

B-13

SET STONES TO RADIUS MATCH OF BENCH

"A" / L6

2 / L8 Curved Bench Detail *(USE BENCH AS TEMPLATE FOR CONCRETE SHAPE TYPICAL AT BOTH BENCHE*

Specialty Concrete Paving

R 2'-6"

44 sq ft

TOP OF STONES ELEVATIONS

Existing Tree to be relocated by city

2 / L7 Concrete Mowband

6'-0"

Slab "E"
75 sq ft

R 2'-6"

±15" typical

6 / L7 Flagstone Patio

Slab "C"

Slab "A"

34'-0"

150 sq ft

R 22'-1 3/4"

858

5 / L7 Concrete Dowel connection location.Typical

40 sq ft

R 37'

56 sq ft

Slab "F"

4'-0"

Grid

402 sq ft

Slab "D"

143 sq ft

B-12

Concrete Paving 3 / L7

R 10'-2 1/2"

276 sq ft

2% Fall typ.

19'-0"

Slab "B"

±18" typical

Specialty Concrete Paving 4 / L7

FORM RIVER PATH FIRST FOR APPROVAL AND COLD JOINT.

Curved Bench Detail 2 / L8

Concrete Dowel expansion joint location.Typical 5 / L7

EXISTING CONCRETE BIKE TRAIL

North

River Art Layout Plan
SCALE: 1" = 5'

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Cedar River Recreational Improvements Project
Cedar River @ Cedar Falls, Iowa

River Left-Enlarged River Art Plaza Layout Plan

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L 2.1

B-12
PLANTING AREAS
866.17'
FORMED AND PREAPPROVED CONSTRUCTION JOINT (@ MISSISSIPPI)
865.17'
9 L7 Stone Steps
36'-0"
24" caliper(Save)
870.70'
B-11
3 L7 Concrete Paving
Fire Plug
24" caliper(Save)
860.17'
621 sq ft
Trail Paving
727 sq ft
Trail Paving
863.17'
862.17'
861.17'
859.67'
859.17'
858.17'
857.17'
866.17'
5 L8 Accessible Overlook
Existing Bike Path to remain undisturbed- See River access notes and coordinate.
B-10
+ 856.00
166'-0"
24" caliper(Save)
+851.17
2 L7 Concrete Mowband
172 sq ft
859.17'
Match Line
865.92'
TEMPORARY FENCE @ 3 SIDES(ACCESS FOR CITY MOWING)
24" caliper(Save)
858.17'
865.92'
SM
55'-11 1/2"
865.92'
B-9
859.17'
857.17'
866.67'
852
861.17'
#3
Water Feature
B-8
"B" L6
2 L7 Concrete Mowband
5 L7 Co loc
5 L8 Accessible Overlook
866.17'
866.17'
R 2'-6"
164 sq ft
8'-0"
8'-0"
865.17'
Match Line
North
Layout Plan
SCALE: 1" = 10'
0 5' 10' 20'

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Cedar River Recreational Improvements Project
Cedar River @ Cedar Falls, Iowa

River Left Layout Plan

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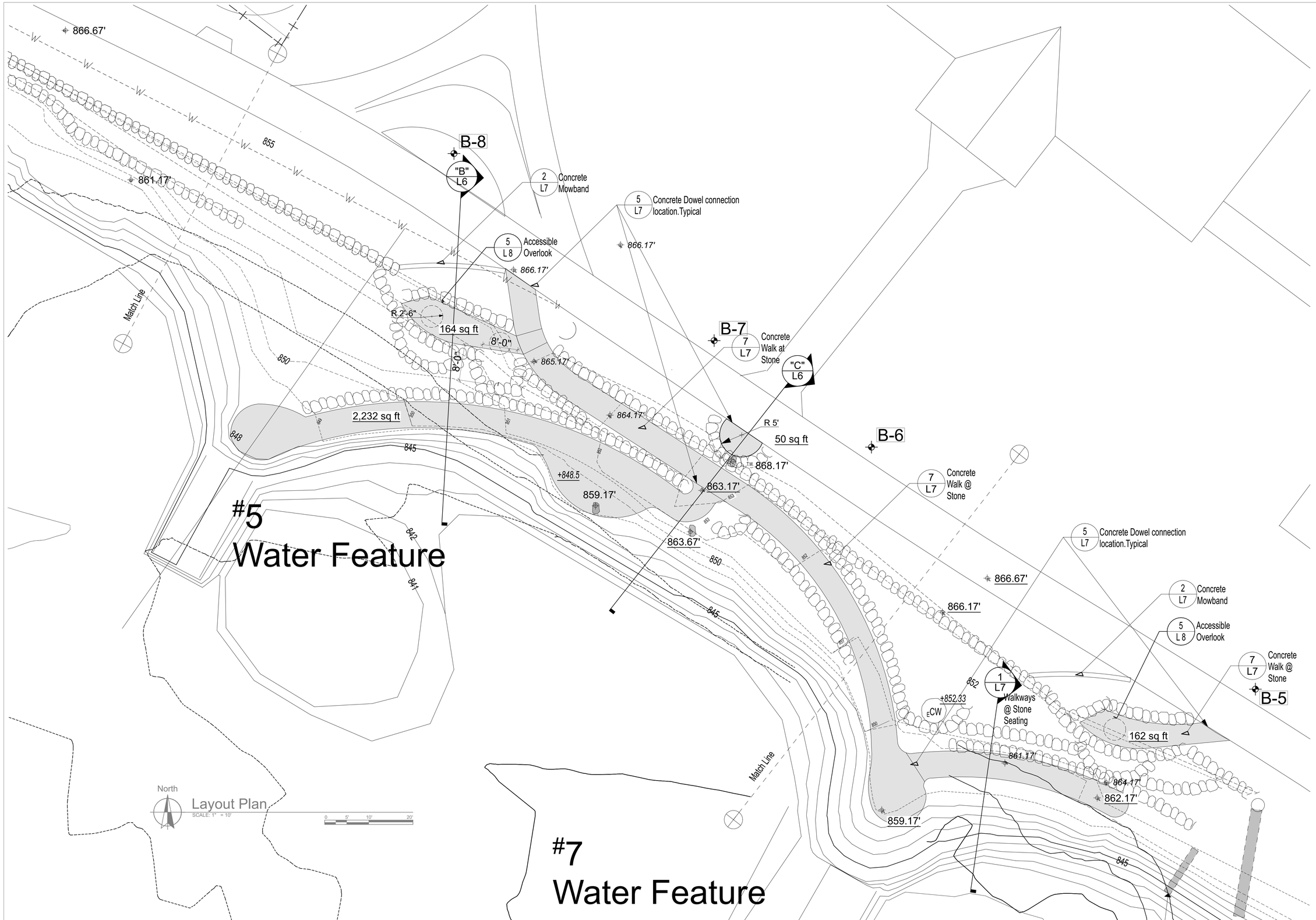
L 2.2



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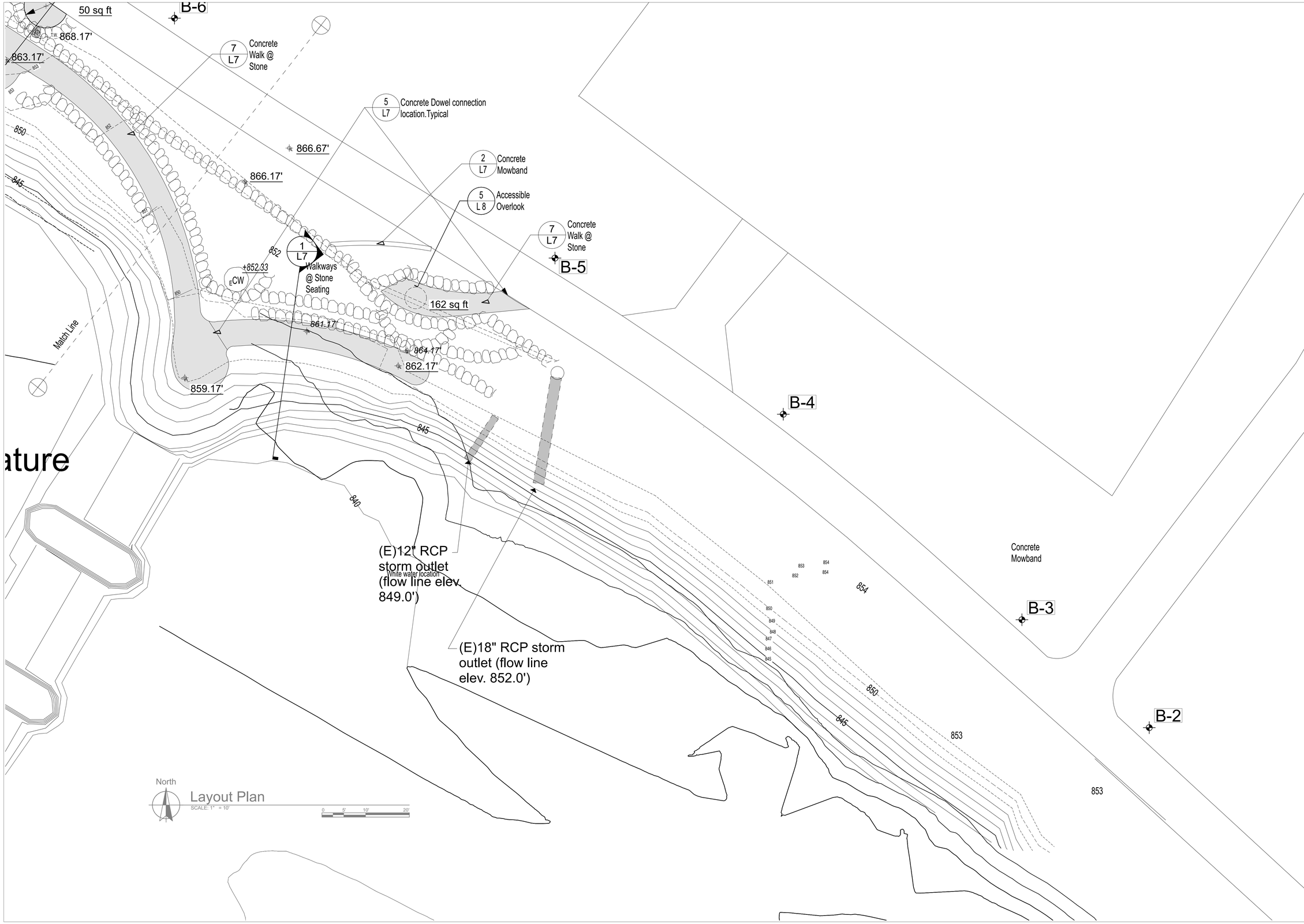
L 2.3



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River Left Layout Plan

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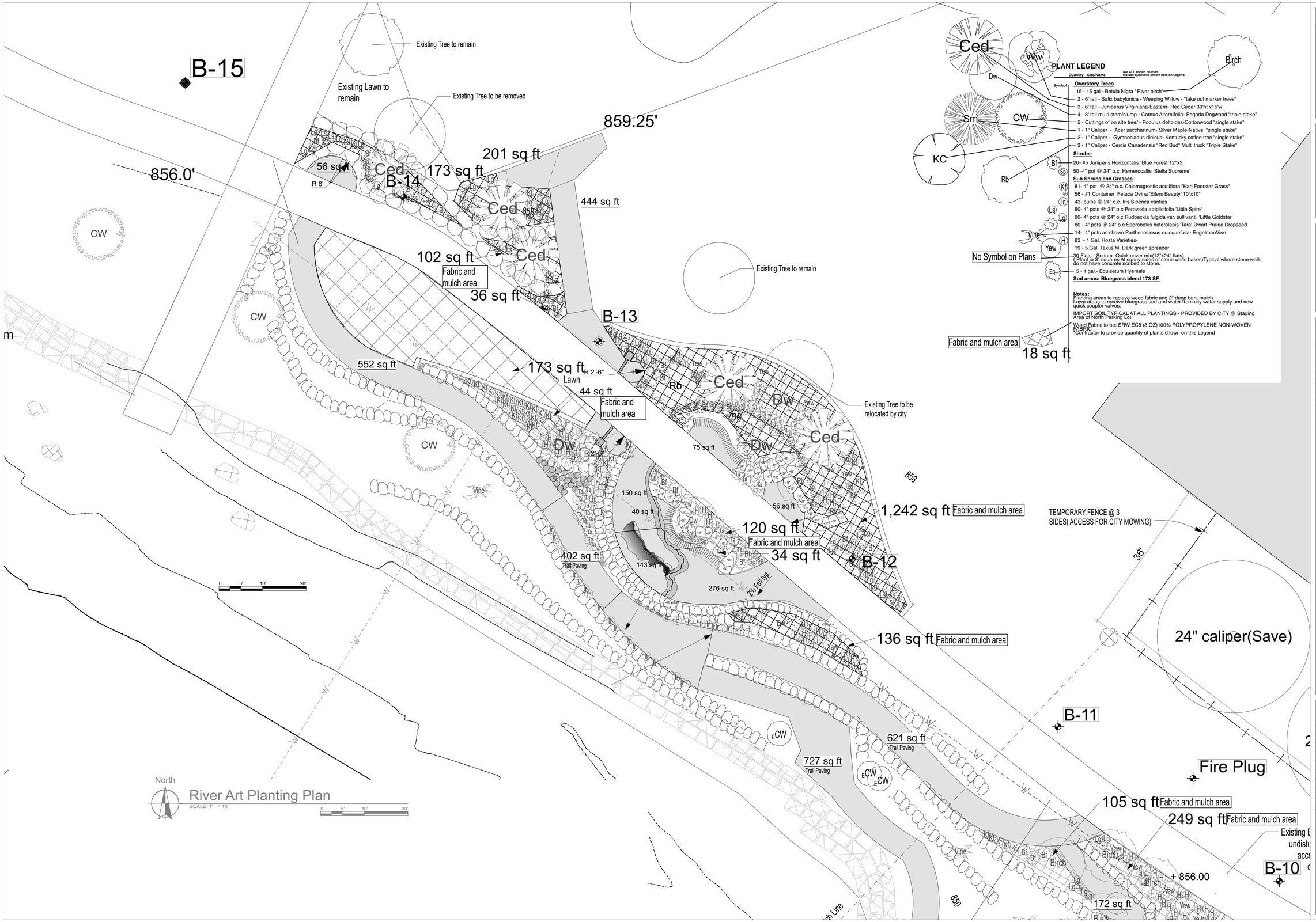
L 2.4



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Cedar River Recreational Improvements Project
Cedar River @ Cedar Falls, Iowa

River Left-River Art Plaza Planting Plan

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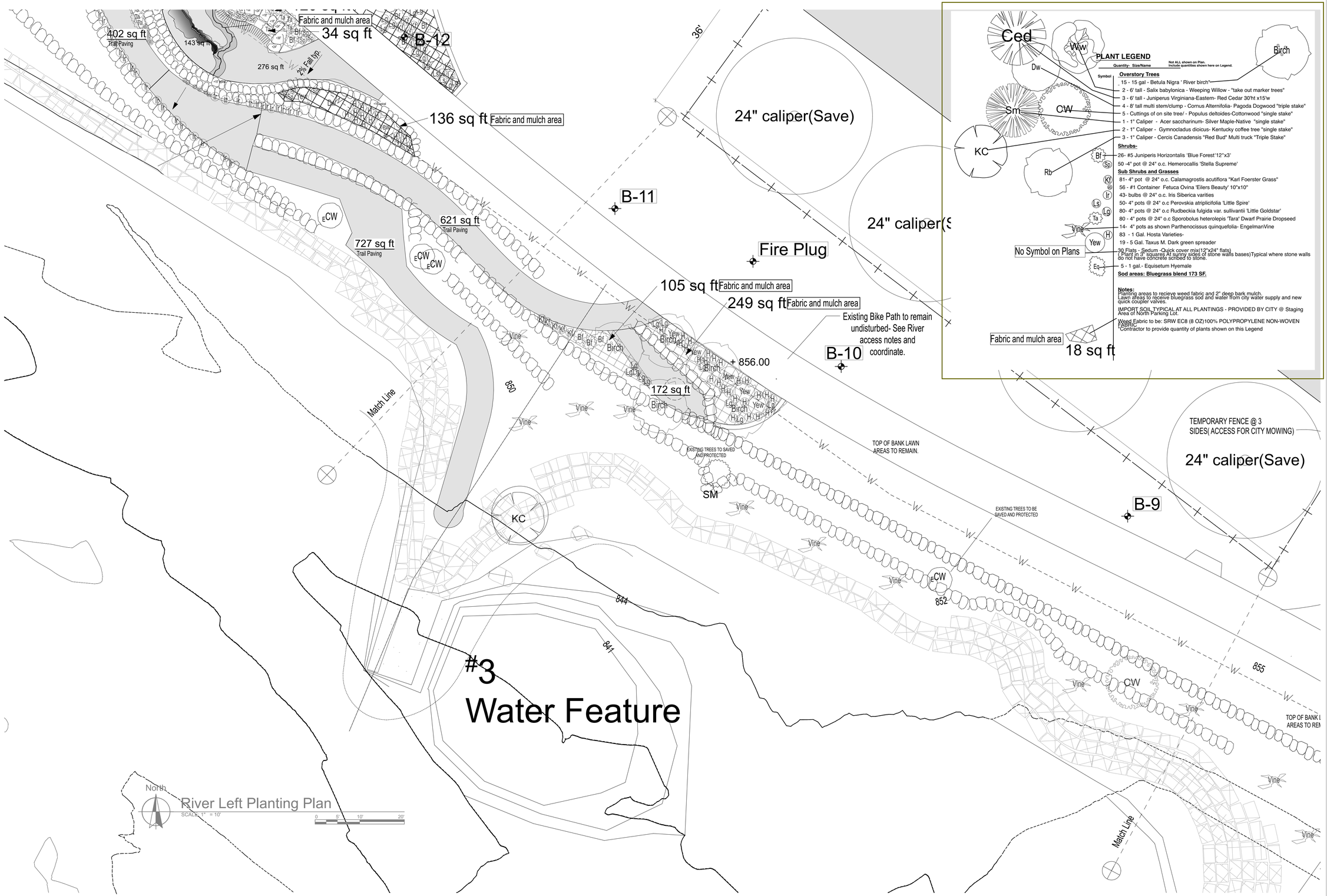

PLANT LEGEND

Quantity- Size/Name

Not ALL shown on Plan. Include quantities shown here on Legend.

Symbol

Overstory Trees

15 - 15 gal - Betula Nigra ' River birch'
2 - 6' tall - Salix babylonica - Weeping Willow - "take out marker trees"
3 - 6' tall - Juniperus Virginiana-Eastern- Red Cedar 30'ht x15'w
4 - 8' tall multi stem/clump - Cornus Alternifolia- Pagoda Dogwood "triple stake"
5 - Cuttings of on site tree/ - Populus deltoides-Cottonwood "single stake"
1 - 1" Caliper - Acer saccharinum- Silver Maple-Native "single stake"
2 - 1" Caliper - Gymnocladus dioicus- Kentucky coffee tree "single stake"
3 - 1" Caliper - Cercis Canadensis "Red Bud" Multi truck "Triple Stake"

Shrubs-

26- #5 Juniperis Horizontalis 'Blue Forest'12"x3'
50 -4" pot @ 24" o.c. Hemerocallis 'Stella Supreme'

Sub Shrubs and Grasses

81- 4" pot @ 24" o.c. Calamagrostis acutiflora "Karl Foerster Grass"
56 - #1 Container Fetuca Ovina 'Eilers Beauty' 10"x10"
43- bulbs @ 24" o.c. Iris Siberica varities
50- 4" pots @ 24" o.c Perovskia atripliciifolia 'Little Spire'
80- 4" pots @ 24" o.c Rudbeckia fulgida var. sullivantii 'Little Goldstar'
80 - 4" pots @ 24" o.c Sporobolus heterolepis 'Tara' Dwarf Prairie Dropseed
14- 4" pots as shown Parthenocissus quinquefolia- EngelmanVine
83 - 1 Gal. Hosta Varieties-
19 - 5 Gal. Taxus M. Dark green spreader
90 Flats - Sedum -Quick cover mix(12"x24" flats)
(Plant in 3' squares At survey edges of stone walls bases)Typical where stone walls do not have concrete scribed to stone.
5 - 1 gal.- Equisetum Hyemale

Sod areas: Bluegrass blend 173 SF.

Notes:
Planting areas to recieve weed fabric and 2" deep bark mulch.
Lawn areas to receive bluegrass sod and water from city water supply and new quick coupler valves.

IMPORT SOIL TYPICAL AT ALL PLANTINGS - PROVIDED BY CITY @ Staging Area of North Parking Lot.

Weed Fabric to be: SRW EC8 (8 OZ)100% POLYPROPYLENE NON-WOVEN FABRIC.
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Cedar River Recreational Improvements Project
Cedar River @ Cedar Falls, Iowa

River Left Planting Plan

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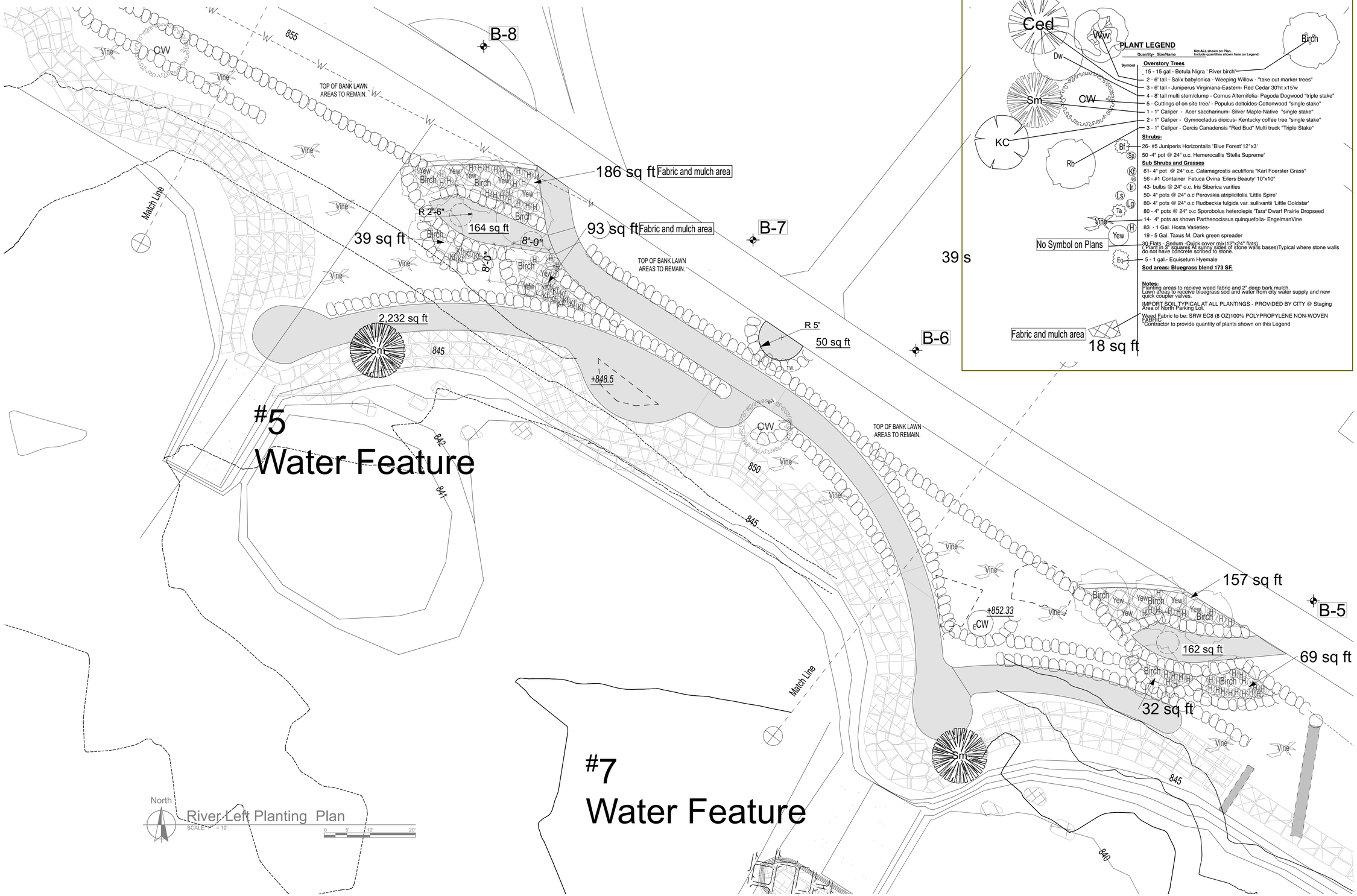
L 3.1



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- Vine — 14- 4" pots as shown Parthenocissus quinquefolia- EngelmanVine
- H — 83 - 1 Gal. Hosta Varieties-
- Yew — 19 - 5 Gal. Taxus M. Dark green spreader
- 30 Flats - Sedum -Quick cover mix(12"x24" flats) (Plant in 3" squares At sunny sides of stone walls bases)Typical where stone walls do not have concrete scribed to stone.
- Eq — 5 - 1 gal.- Equisetum Hyemale

Sod areas: Bluegrass blend 173 SF.

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Cedar River @ Cedar Falls, Iowa

River Left Planting Plan

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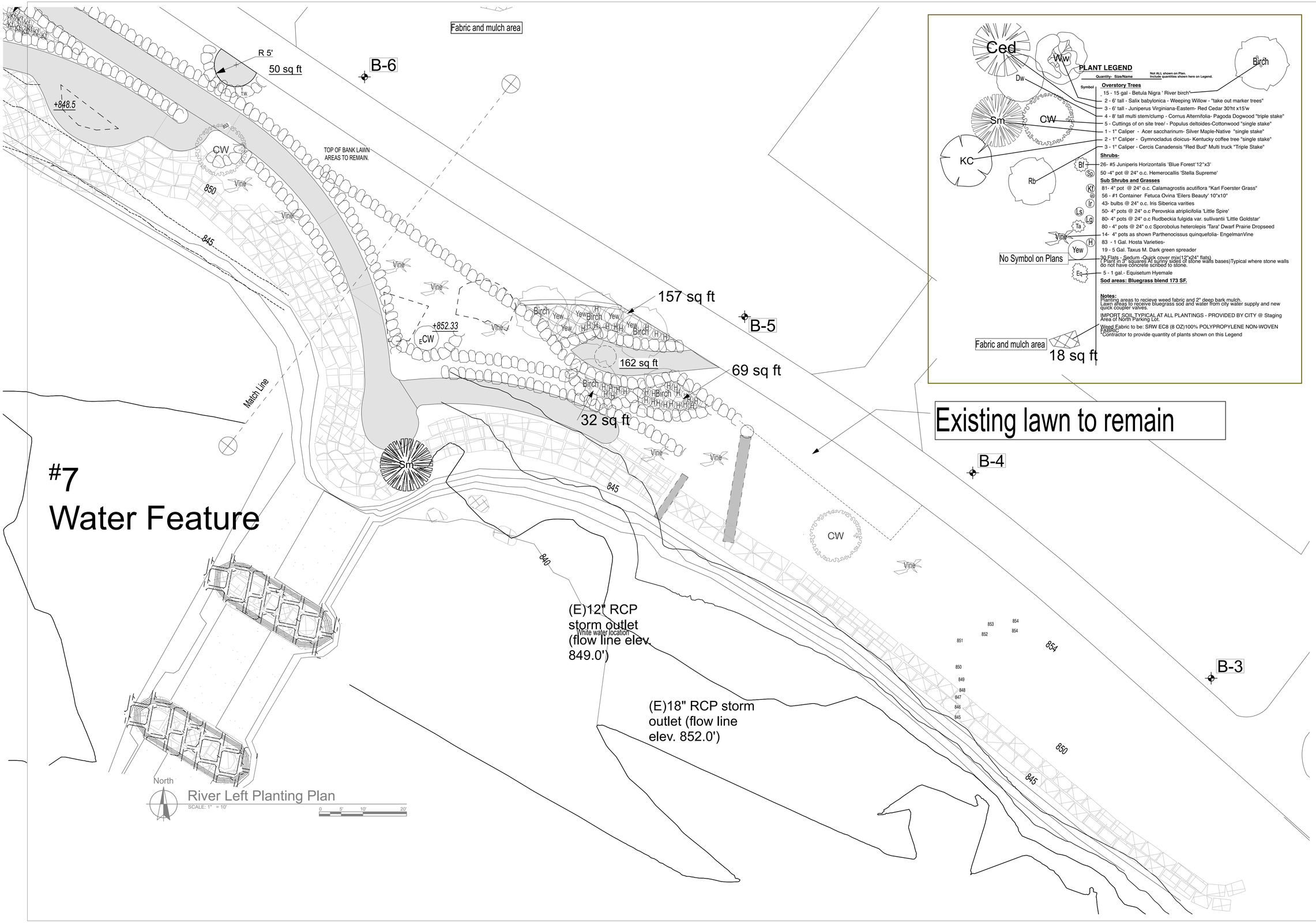

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River Left Planting Plan

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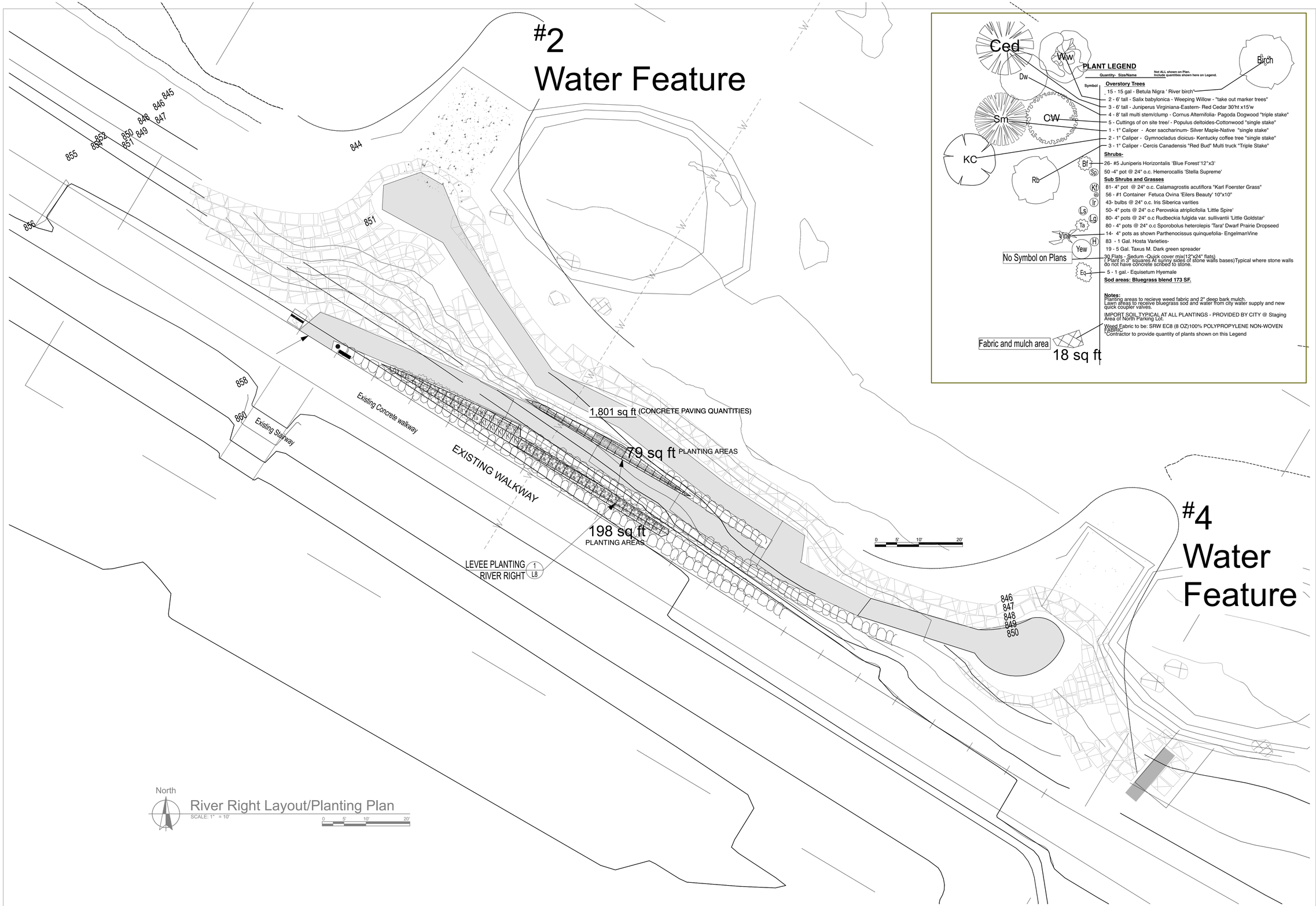

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PROJECT OWNER:
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Cedar River Recreational Improvements Project
Cedar River @ Cedar Falls, Iowa

Layout/Planting @ River Right

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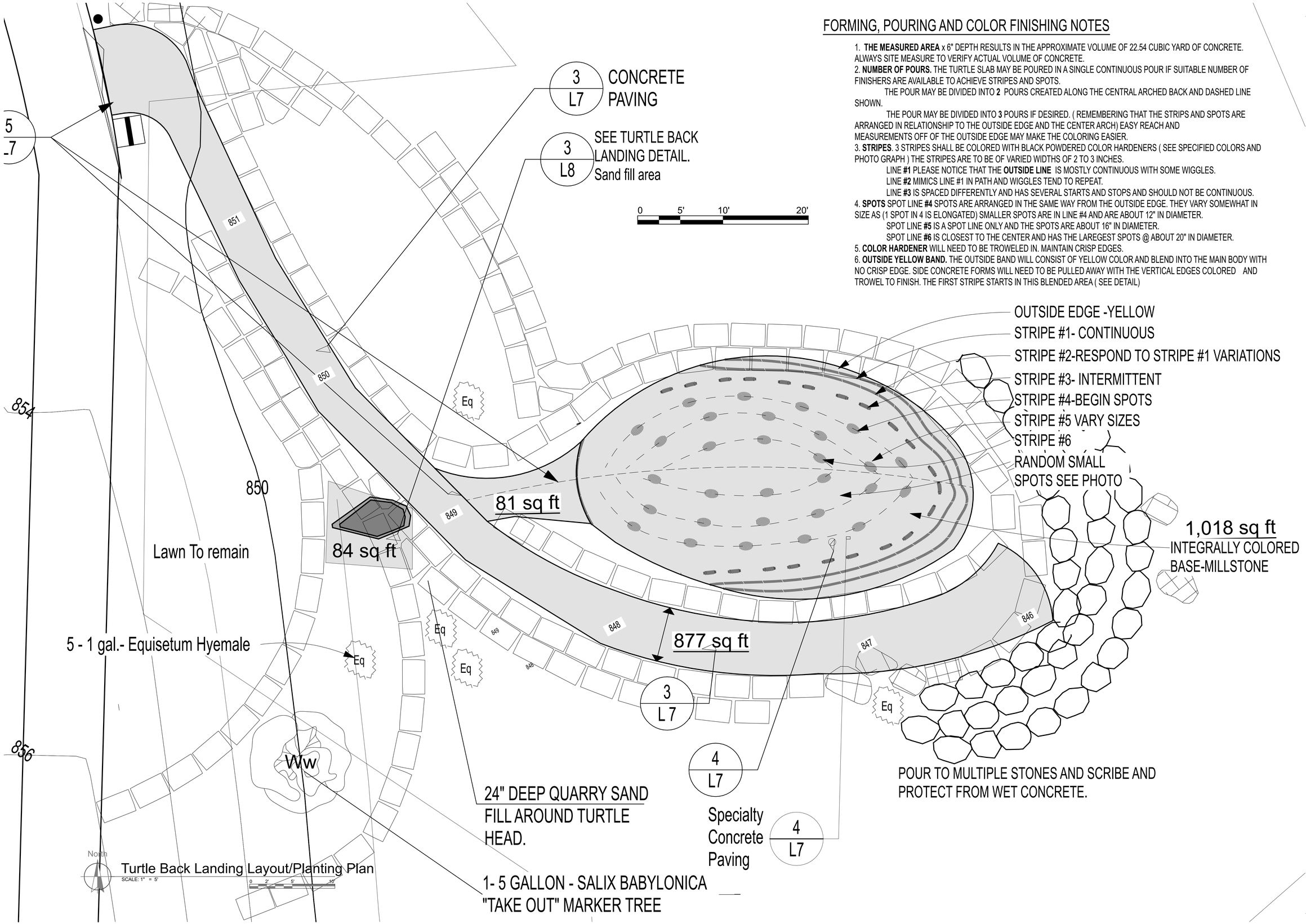
DRAWING NO.

L4

FORMING, POURING AND COLOR FINISHING NOTES

1. **THE MEASURED AREA** x 6" DEPTH RESULTS IN THE APPROXIMATE VOLUME OF 22.54 CUBIC YARD OF CONCRETE. ALWAYS SITE MEASURE TO VERIFY ACTUAL VOLUME OF CONCRETE.
2. **NUMBER OF POURS.** THE TURTLE SLAB MAY BE POURED IN A SINGLE CONTINUOUS POUR IF SUITABLE NUMBER OF FINISHERS ARE AVAILABLE TO ACHIEVE STRIPES AND SPOTS.
   THE POUR MAY BE DIVIDED INTO **2** POURS CREATED ALONG THE CENTRAL ARCHED BACK AND DASHED LINE SHOWN.
   THE POUR MAY BE DIVIDED INTO **3** POURS IF DESIRED. (REMEMBERING THAT THE STRIPS AND SPOTS ARE ARRANGED IN RELATIONSHIP TO THE OUTSIDE EDGE AND THE CENTER ARCH) EASY REACH AND MEASUREMENTS OFF OF THE OUTSIDE EDGE MAY MAKE THE COLORING EASIER.
3. **STRIPES**. 3 STRIPES SHALL BE COLORED WITH BLACK POWDERED COLOR HARDENERS (SEE SPECIFIED COLORS AND PHOTO GRAPH) THE STRIPES ARE TO BE OF VARIED WIDTHS OF 2 TO 3 INCHES.
   LINE **#1** PLEASE NOTICE THAT THE **OUTSIDE LINE** IS MOSTLY CONTINUOUS WITH SOME WIGGLES.
   LINE **#2** MIMICS LINE #1 IN PATH AND WIGGLES TEND TO REPEAT.
   LINE **#3** IS SPACED DIFFERENTLY AND HAS SEVERAL STARTS AND STOPS AND SHOULD NOT BE CONTINUOUS.
4. **SPOTS** SPOT LINE **#4** SPOTS ARE ARRANGED IN THE SAME WAY FROM THE OUTSIDE EDGE. THEY VARY SOMEWHAT IN SIZE AS (1 SPOT IN 4 IS ELONGATED) SMALLER SPOTS ARE IN LINE #4 AND ARE ABOUT 12" IN DIAMETER.
   SPOT LINE **#5** IS A SPOT LINE ONLY AND THE SPOTS ARE ABOUT 16" IN DIAMETER.
   SPOT LINE **#6** IS CLOSEST TO THE CENTER AND HAS THE LAREGEST SPOTS @ ABOUT 20" IN DIAMETER.
5. **COLOR HARDENER** WILL NEED TO BE TROWELED IN. MAINTAIN CRISP EDGES.
6. **OUTSIDE YELLOW BAND.** THE OUTSIDE BAND WILL CONSIST OF YELLOW COLOR AND BLEND INTO THE MAIN BODY WITH NO CRISP EDGE. SIDE CONCRETE FORMS WILL NEED TO BE PULLED AWAY WITH THE VERTICAL EDGES COLORED AND TROWEL TO FINISH. THE FIRST STRIPE STARTS IN THIS BLENDED AREA (SEE DETAIL)



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PROJECT OWNER:
CITY OF CEDAR FALLS, IOWA

Cedar River Recreational Improvements Project
Cedar River @ Cedar Falls, Iowa

River Right-Turtleback Landing Layout/Planting Plan

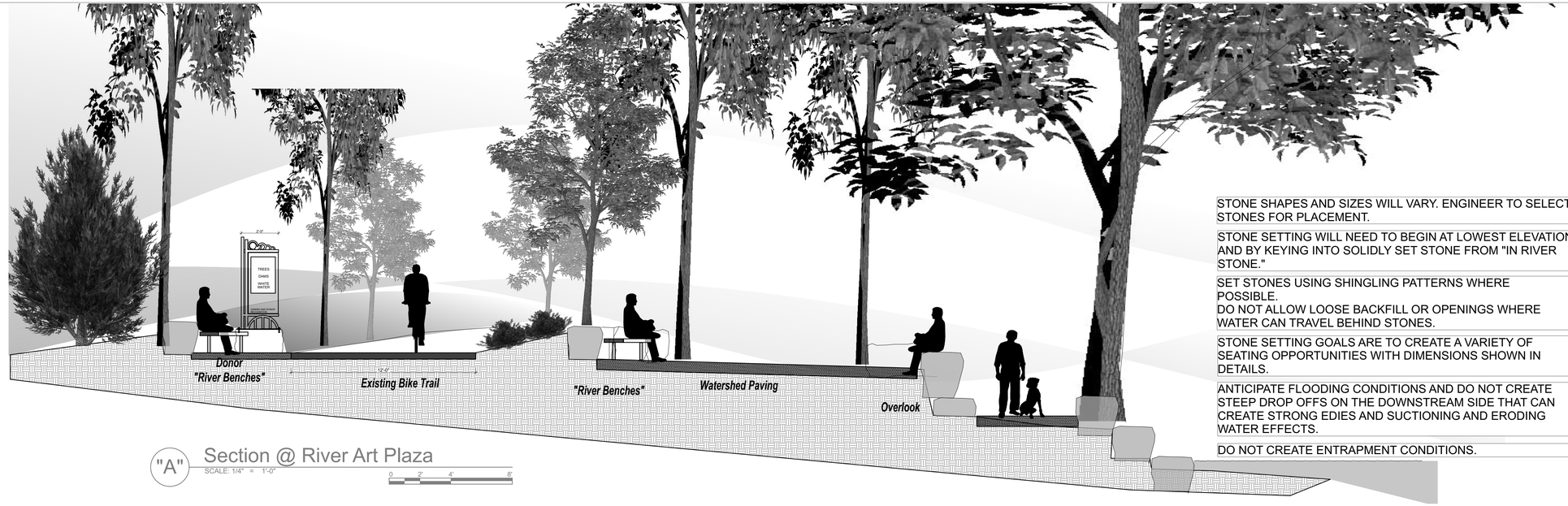
REVISIONS:

NO.	DATE

DESIGNED: LRK
DRAFTED:
CHECKED:
PLOT DATE: 9/23/2022

DRAWING NO.

L 5



"A" Section @ River Art Plaza
SCALE: 1/4" = 1'-0"
0 2' 4' 8'

STONE SHAPES AND SIZES WILL VARY. ENGINEER TO SELECT STONES FOR PLACEMENT.

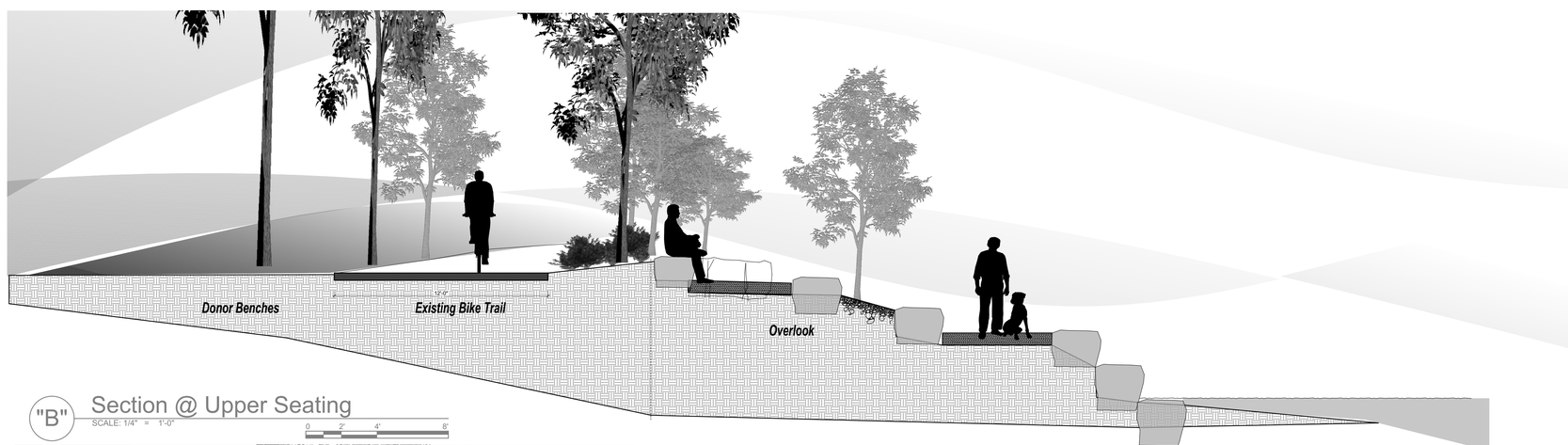
STONE SETTING WILL NEED TO BEGIN AT LOWEST ELEVATION AND BY KEYING INTO SOLIDLY SET STONE FROM "IN RIVER STONE."

SET STONES USING SHINGLING PATTERNS WHERE POSSIBLE.
DO NOT ALLOW LOOSE BACKFILL OR OPENINGS WHERE WATER CAN TRAVEL BEHIND STONES.

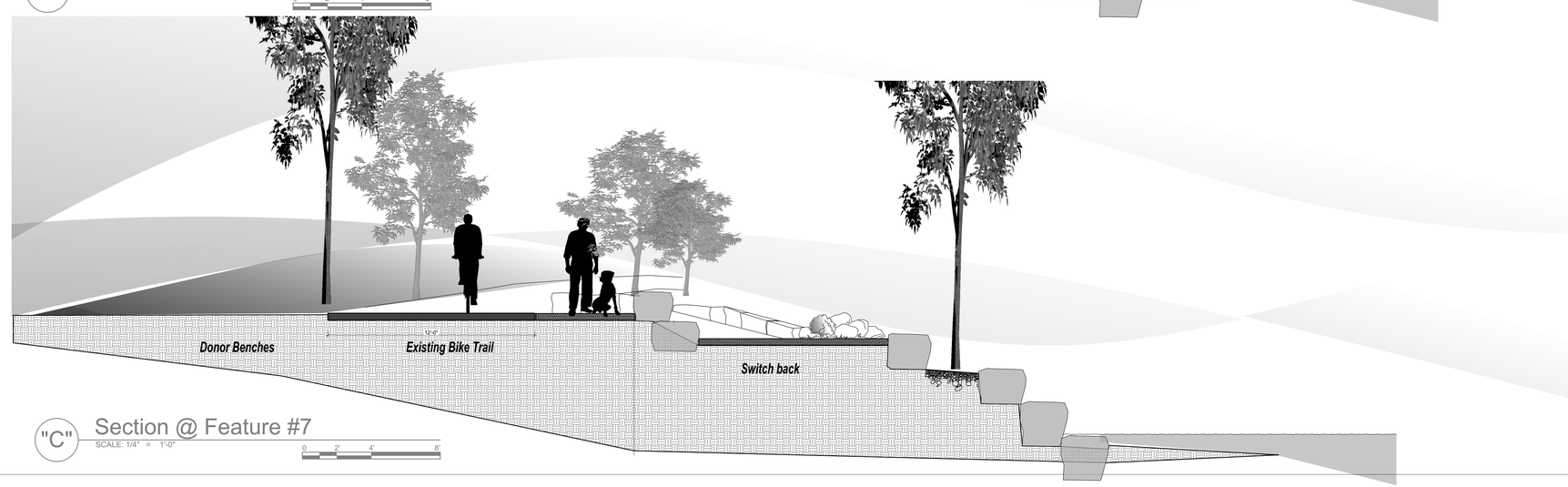
STONE SETTING GOALS ARE TO CREATE A VARIETY OF SEATING OPPORTUNITIES WITH DIMENSIONS SHOWN IN DETAILS.

ANTICIPATE FLOODING CONDITIONS AND DO NOT CREATE STEEP DROP OFFS ON THE DOWNSTREAM SIDE THAT CAN CREATE STRONG EDIES AND SUCTIONING AND ERODING WATER EFFECTS.

DO NOT CREATE ENTRAPMENT CONDITIONS.



"B" Section @ Upper Seating
SCALE: 1/4" = 1'-0"
0 2' 4' 8'



"C" Section @ Feature #7
SCALE: 1/4" = 1'-0"
0 2' 4' 8'

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Cedar River Recreational Improvements Project
Cedar River @ Cedar Falls, Iowa

River Left Sections

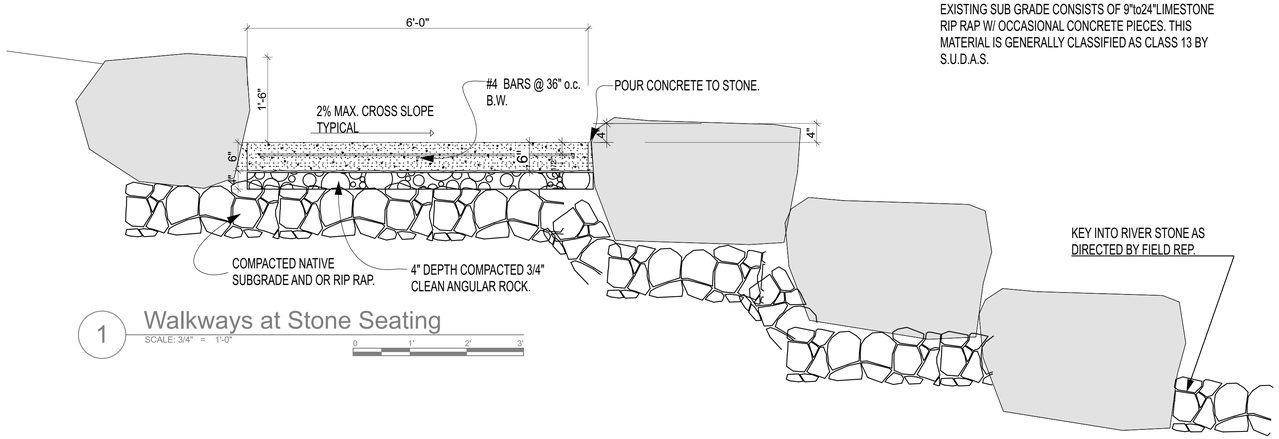
REVISIONS:

NO.	DATE

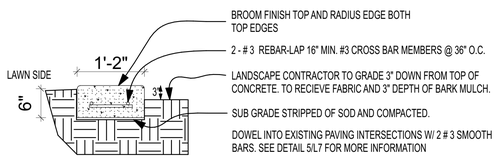
DESIGNED: LRK
DRAFTED:
CHECKED:
PLOT DATE: 9/23/2022

DRAWING NO.
L6

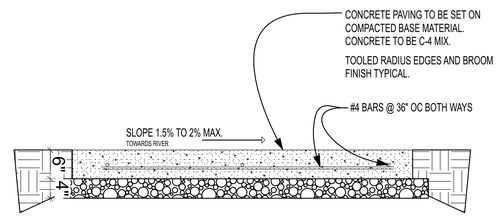
EXISTING SUB GRADE CONSISTS OF 9"to24"LIMESTONE RIP RAP W/ OCCASIONAL CONCRETE PIECES. THIS MATERIAL IS GENERALLY CLASSIFIED AS CLASS 13 BY S.U.D.A.S.



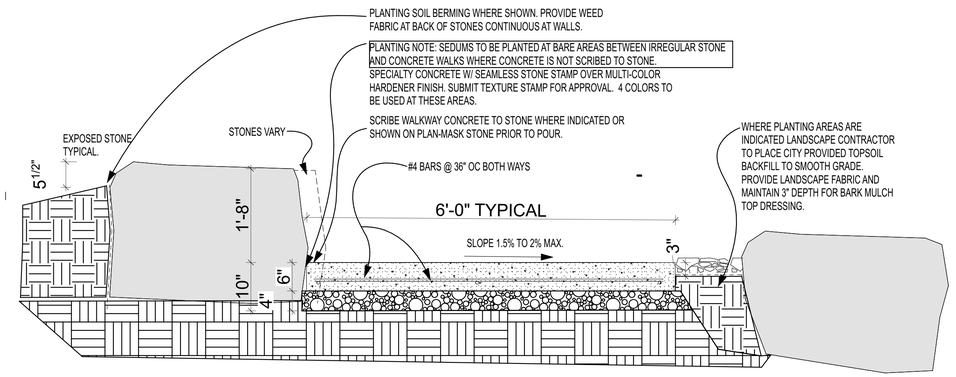
1 Walkways at Stone Seating
SCALE: 3/4" = 1'-0"



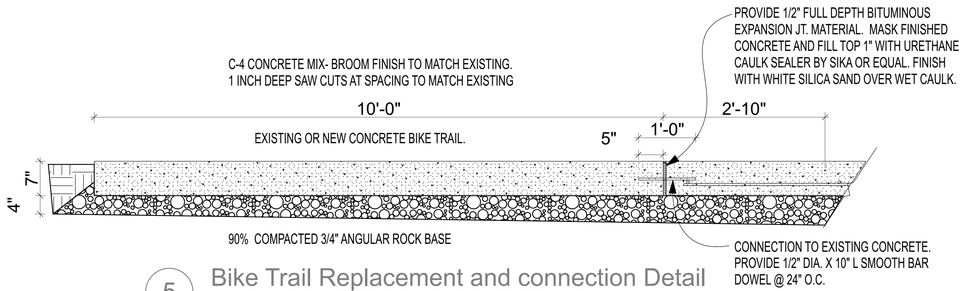
2 Concrete Mowbands
SCALE: 3/4" = 1'-0"



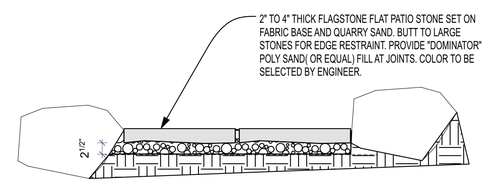
3 Concrete Paving
SCALE: 3/4" = 1'-0"



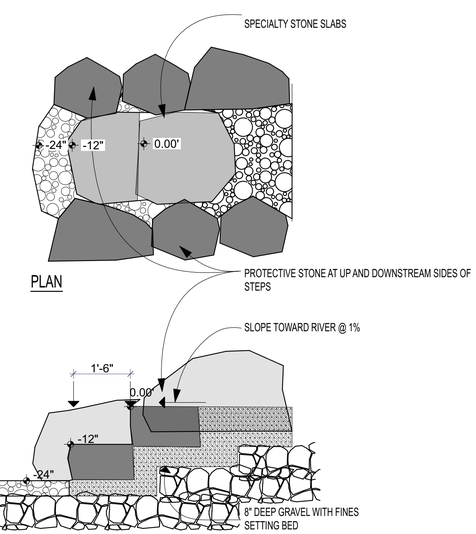
4 Specialty Concrete Paving
SCALE: 3/4" = 1'-0"



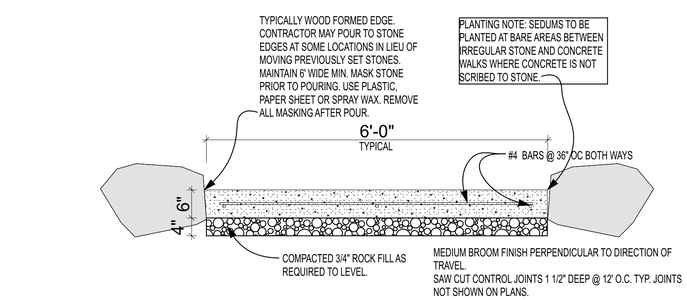
5 Bike Trail Replacement and connection Detail
SCALE: 3/4" = 1'-0"



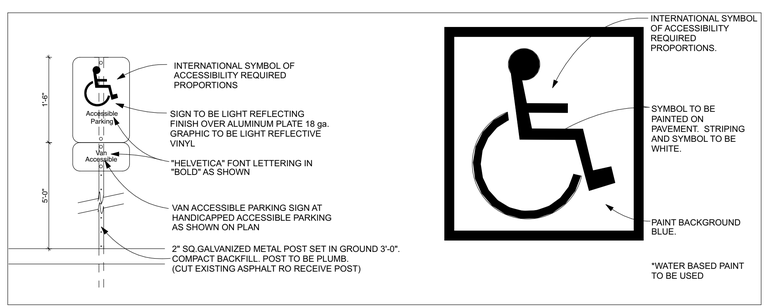
6 Flagstone Paving
SCALE: 3/4" = 1'-0"



9 Section @ Stone Steps
SCALE: 1/2" = 1'-0"



7 Concrete Walks at Stone
SCALE: 3/4" = 1'-0"



8 Parking Sign and Paving Marking
SCALE: 3/4" = 1'-0"

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Cedar River Recreational Improvements Project
Cedar River @ Cedar Falls, Iowa

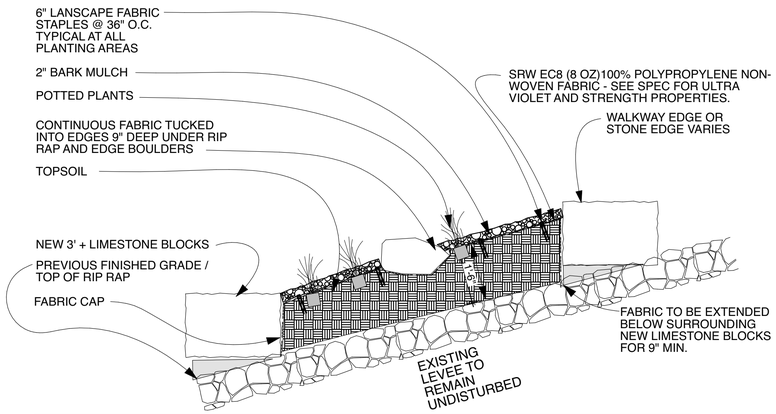
Paving Details

REVISIONS:

NO.	DATE

DESIGNED: LRK
DRAFTED:
CHECKED:
PLOT DATE: 9/23/2022

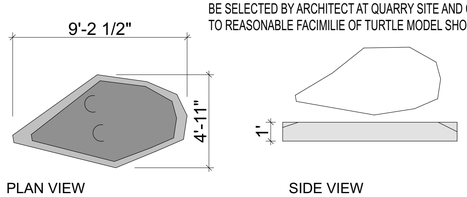
DRAWING NO.
L7

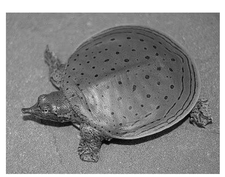


TOP SOIL AVAILABLE FROM CITY AND SUPPLIED TO STAGING ARE BY CITY. COORDINATE QUANTITIES WITH CITY.

1 Levee Planting River Right

SCALE: 1/2" = 1'-0"





TURTLE BACK TO BE COLORED WITH COLOR HARDENER. 3 COLOR MIX. YELLOW AT EDGE. GREEN BROWN AT CENTER AS SHOWN IN PHOTO. DARK SPOTS AND LINES TO BE BLACK COLOR HARDENER.

SINGLE POUR CONSTRUCTION

YELLOW AT EDGE. REMOVE FORM AND BUTTER ENTIRE EDGE TO YELLOW

BROWN / GREEN MIX AT BODY

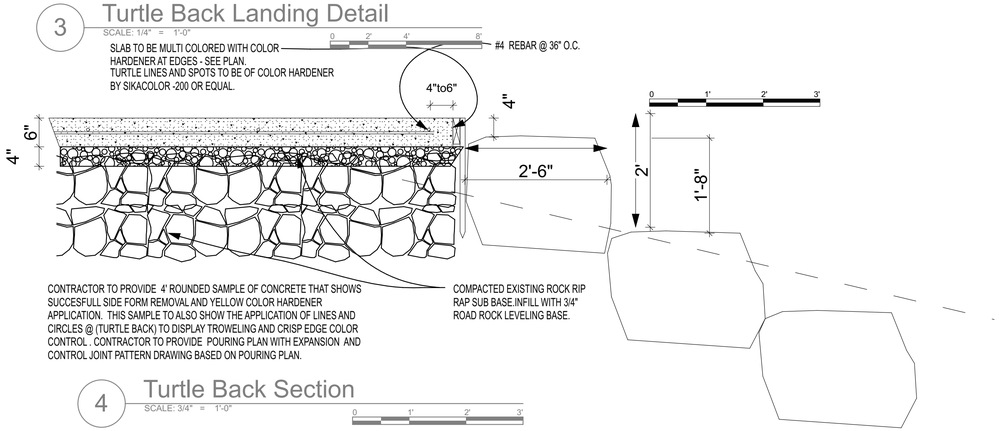
BLACK AT SPOTS AND STRIPES

ARCHITECT WILL ASSIST IN THE LAYOUT OF SPOTS.

PROVIDE 4' ROUNDED MOCK UP(BABY TURTLE) SAMPLE FOR APPROVAL

3 Turtle Back Landing Detail

SCALE: 1/4" = 1'-0"



4 Turtle Back Section

SCALE: 3/4" = 1'-0"

STREETLIFE®

Leiden, June-3-2022

SWIT / NA220541 US - Cedar River Recreational Improvements Project - Cedar Falls, IA

	Rough&Ready Curved Benches	Quantity		Price/unit 2022			Total
length ca. 16'-7"	**R&R-C-507-50** Curved bench, hardwood beams, galvanized steel supports ca. 507×50×47 cm | 199,25×20×19 inches (l×d×h))	2	units	USD	8 435	USD	16 870
alternative	**R&R-C-507-50-CT** Curved bench, hardwood beams, weathering steel supports ca. 507×50×47 cm | 199,25×20×19 inches (l×d×h))	-	units	USD	8 875	USD	-
alternative	**R&R-C-507-50-PC** Curved bench, hardwood beams, powder coated steel supports ca. 507×50×47 cm | 199,25×20×19 inches (l×d×h))	-	units	USD	9 307	USD	-
alternative	**R&R-C-507-50-CT-AB** Curved bench, recycled plastic beams, weathering steel supports ca. 507×50×47 cm | 199,25×20×19 inches (l×d×h))	2	units	USD	7 295	USD	14,590

Specifications:
- Material seat: untreated **FSC® 100%** Louro Gamela hardwood
- Hardwood fading naturally to silver/grey, fully recyclable
- Dimension hardwood slats 7×15 cm | 2.8×5.9"
-
- Material -AB: Re-used synthetic black material
- UV stabilized composite of PE and PP
- Dimension composite slats 7×15 cm | 2.8×5.9"

- Seating slats are placed in a crosswise direction
- Available seating depths: ca. 40, **50** or 60 cm | 16, 20 or 24"
- Material support structure: Laser cut legs and Streetlife comb in hot dip galvanized steel
- Delivery: assembled seats of ca. 200 cm | 79" long and legs detached
- Installation: surface mounted
- Manufactured in the USA
- Orders with less than 3 identical units are subject to a surcharge
- Production time: 10-12 weeks following order and approval of drawings in case of customized items (2 additional weeks for powder coating)

Total product price: USD 16 870

Transport
Cedar Falls, IA USD 3 580

STREETLIFE® MADE IN THE U.S.

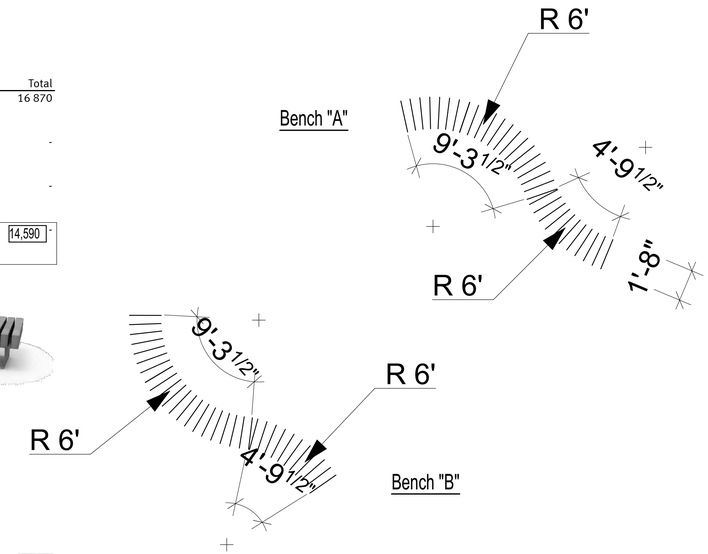
Special unloading facilities like tailgates or forklifts are not included in this transport price.

Total project price: USD 20 450.00
18,170

2 Curved Bench Detail

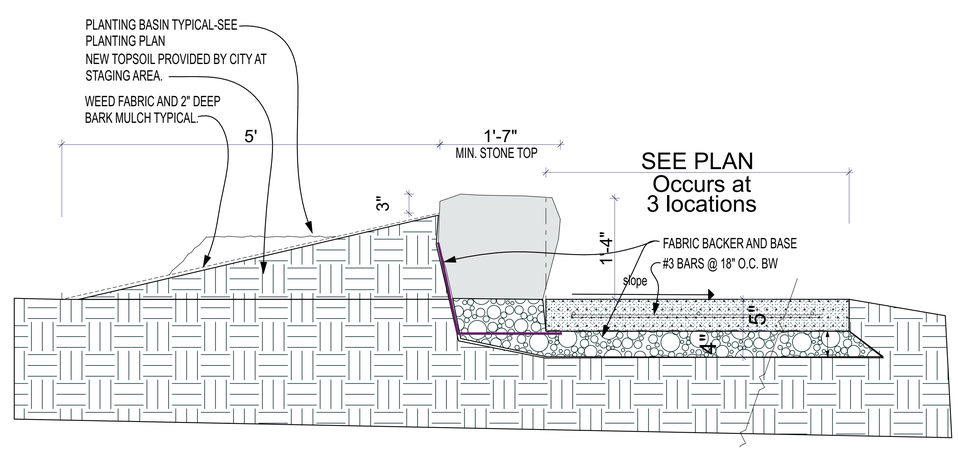
SCALE: 1/4" = 1'-0"

STREETLIFE Design & Projects bv, Herengracht 36, 2312 LD Leiden, The Netherlands, tel. +1 215 247 0148, www.streetlife.com
Chamber of Commerce: 27.355.160, Tax No. NL.8213.12.674.B01



Plan View

1. THESE BENCHES ARE SURFACE MOUNTED AND COME WITH 5 BRACKETS EACH x 2 BENCHES= 10 BRACKETS WITH 2 1/2"x5" LONG STAINLESS STEEL EPOXY LAGS INTO CONCRETE.
2. SOME ASSEMBLY REQUIRED.



5 Section @ Accessible Overlook

SCALE: 1" = 1'-0"

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PROJECT OWNER:
CITY OF CEDAR FALLS, IOWA

Cedar River Recreational Improvements Project
Cedar River @ Cedar Falls, Iowa

Details

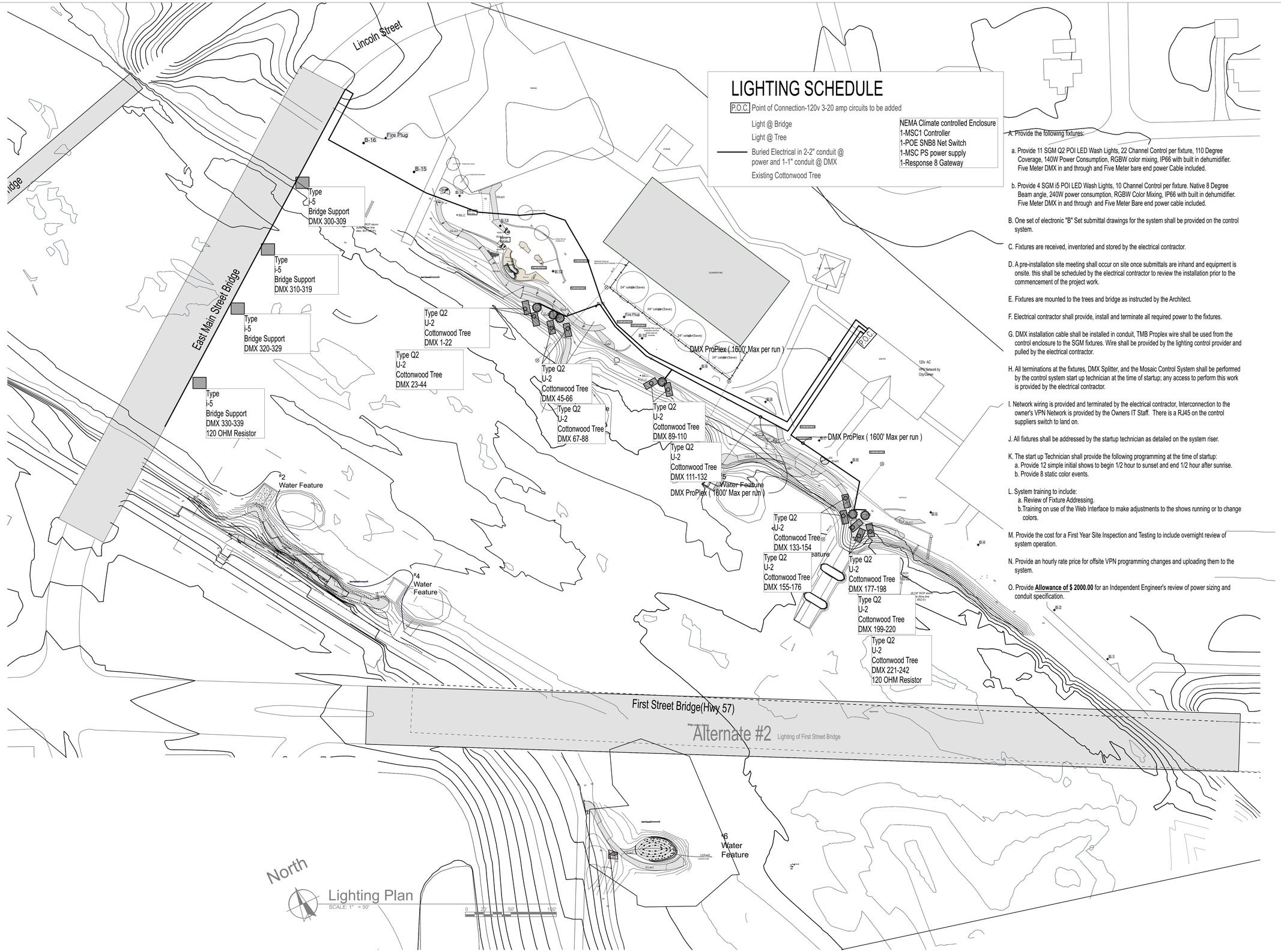
REVISIONS:

NO.	DATE

DESIGNED: LRK
DRAFTED:
CHECKED:
PLOT DATE: 9/23/2022

DRAWING NO.

L 8



LIGHTING SCHEDULE

P.O.C. Point of Connection-120v 3-20 amp circuits to be added

Light @ Bridge

Light @ Tree

Buried Electrical in 2-2" conduit @ power and 1-1" conduit @ DMX

Existing Cottonwood Tree

NEMA Climate controlled Enclosure
1-MSC1 Controller
1-POE SNB8 Net Switch
1-MSC PS power supply
1-Response 8 Gateway

A. Provide the following fixtures:

a. Provide 11 SGM Q2 POI LED Wash Lights, 22 Channel Control per fixture, 110 Degree Coverage, 140W Power Consumption, RGBW color mixing, IP66 with built in dehumidifier. Five Meter DMX in and through and Five Meter bare end power Cable included.

b. Provide 4 SGM i5 POI LED Wash Lights, 10 Channel Control per fixture. Native 8 Degree Beam angle, 240W power consumption, RGBW Color Mixing, IP66 with built in dehumidifier. Five Meter DMX in and through and Five Meter Bare end power cable included.

B. One set of electronic "B" Set submittal drawings for the system shall be provided on the control system.

C. Fixtures are received, inventoried and stored by the electrical contractor.

D. A pre-installation site meeting shall occur on site once submittals are inhand and equipment is onsite. this shall be scheduled by the electrical contractor to review the installation prior to the commencement of the project work.

E. Fixtures are mounted to the trees and bridge as instructed by the Architect.

F. Electrical contractor shall provide, install and terminate all required power to the fixtures.

G. DMX installation cable shall be installed in conduit, TMB Proplex wire shall be used from the control enclosure to the SGM fixtures. Wire shall be provided by the lighting control provider and pulled by the electrical contractor.

H. All terminations at the fixtures, DMX Splitter, and the Mosaic Control System shall be performed by the control system start up technician at the time of startup; any access to perform this work is provided by the electrical contractor.

I. Network wiring is provided and terminated by the electrical contractor, Interconnection to the owner's VPN Network is provided by the Owners IT Staff. There is a RJ45 on the control suppliers switch to land on.

J. All fixtures shall be addressed by the startup technician as detailed on the system riser.

K. The start up Technician shall provide the following programming at the time of startup:
a. Provide 12 simple initial shows to begin 1/2 hour to sunset and end 1/2 hour after sunrise.
b. Provide 8 static color events.

L. System training to include:
a. Review of Fixture Addressing.
b.Training on use of the Web Interface to make adjustments to the shows running or to change colors.

M. Provide the cost for a First Year Site Inspection and Testing to include overnight review of system operation.

N. Provide an hourly rate price for offsite VPN programming changes and uploading them to the system.

O. Provide **Allowance of $ 2000.00** for an Independent Engineer's review of power sizing and conduit specification.

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PROJECT OWNER:
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Cedar River Recreational Improvements Project
Cedar River @ Cedar Falls, Iowa

Electrical and Lighting Plan

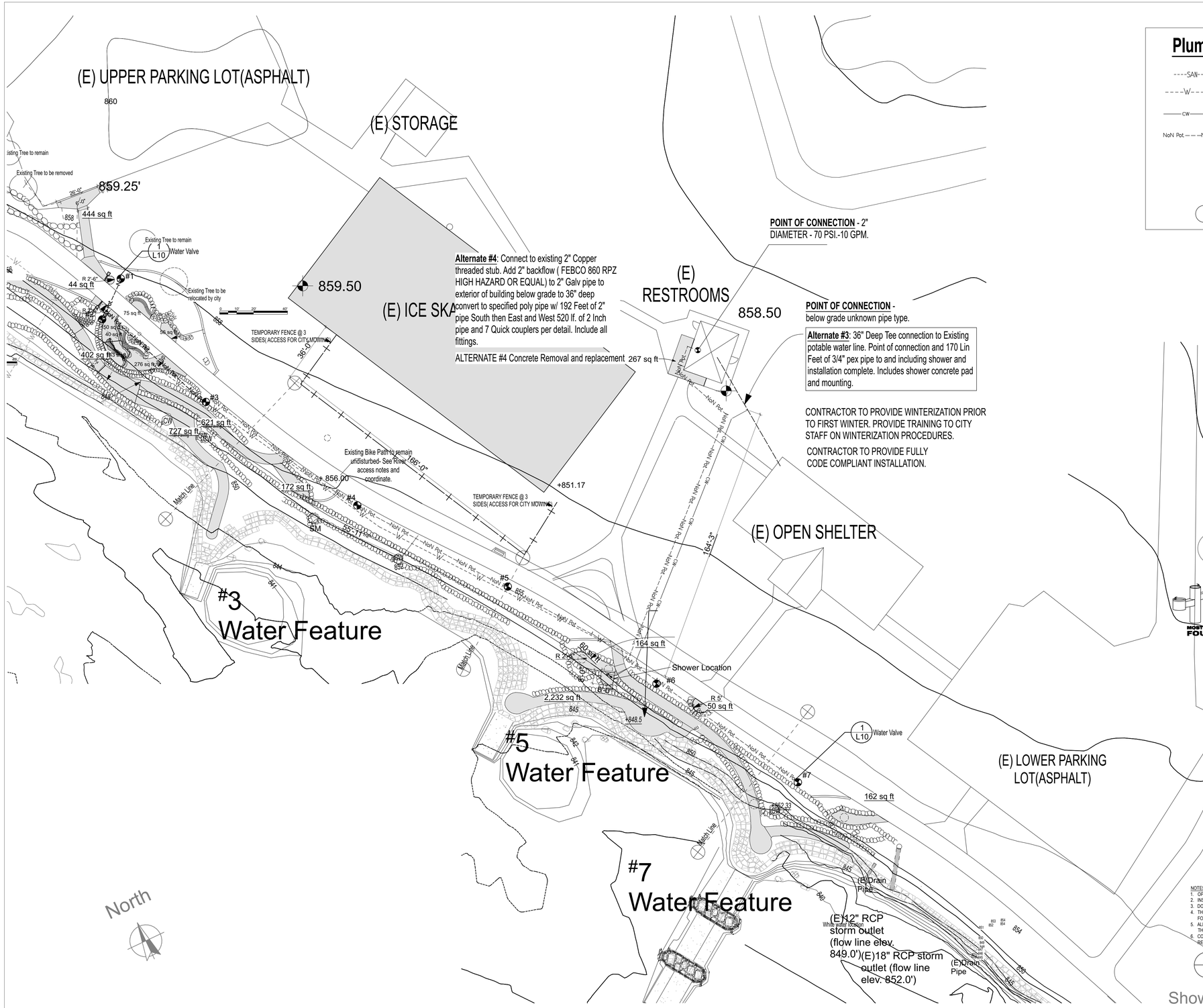
REVISIONS:

NO.	DATE

DESIGNED: LRK
DRAFTED:
CHECKED:
PLOT DATE: 9/23/2022

DRAWING NO.

L 9



POINT OF CONNECTION - 2" DIAMETER - 70 PSI.-10 GPM.

Alternate #4: Connect to existing 2" Copper threaded stub. Add 2" backflow (FEBCO 860 RPZ HIGH HAZARD OR EQUAL) to 2" Galv pipe to exterior of building below grade to 36" deep convert to specified poly pipe w/ 192 Feet of 2" pipe South then East and West 520 lf. of 2 Inch pipe and 7 Quick couplers per detail. Include all fittings.

ALTERNATE #4 Concrete Removal and replacement

POINT OF CONNECTION - below grade unknown pipe type.

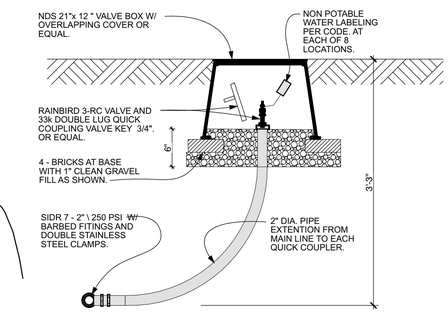
Alternate #3: 36" Deep Tee connection to Existing potable water line. Point of connection and 170 Lin Feet of 3/4" pex pipe to and including shower and installation complete. Includes shower concrete pad and mounting.

CONTRACTOR TO PROVIDE WINTERIZATION PRIOR TO FIRST WINTER. PROVIDE TRAINING TO CITY STAFF ON WINTERIZATION PROCEDURES.

CONTRACTOR TO PROVIDE FULLY CODE COMPLIANT INSTALLATION.

Plumbing Legend

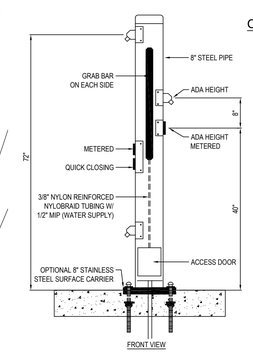
----SAN--------SAN----	Existing Sanitary Sewer Line
----W--------W----	Existing Water Main Line
——CW——————CW——	Proposed Water Service Line
NoN Pot——NoN Pot——NoN	Proposed NON POTABLE Water Service Line
# 1	Proposed Quick Coupler in Ground box
	Unit Number (7 total)



1 Quick Coupler Detail

SCALE: 1" = 1'-0"

MOST DEPENDABLE FOUNTAINS, INC.
5705 COMMANDER DR. P.O. BOX 587
ARLINGTON, TN 38002-0587
PHONE: (901) 867-0039
www.mostdependable.com



Options:

Factory Painted Red

Select carrier plate option
Contractor to provide all mounting bolts installed.

Contractor to provide concrete slab 8" thick or to thickness required by shower mfg. Provide #4 bars at 24" oc. both ways. slab slope to grade @ 1.5% fall.

NOTES:
1. OPTIONAL STAINLESS STEEL SURFACE CARRIER RECOMMENDED ON SURFACE MOUNT INSTALLATIONS..
2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
3. DO NOT SCALE DRAWING.
4. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION. Provide updated shop drawing
5. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
6. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info AND ENTER REFERENCE NUMBER 3354-10.00.

MODEL 564 SM
SHOWN W/ OPTIONAL 8" SS SURFACE CARRIER

Shower Detail

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PROJECT OWNER:
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Cedar River Recreational Improvements Project
Cedar River @ Cedar Falls, Iowa

Plumbing Plan

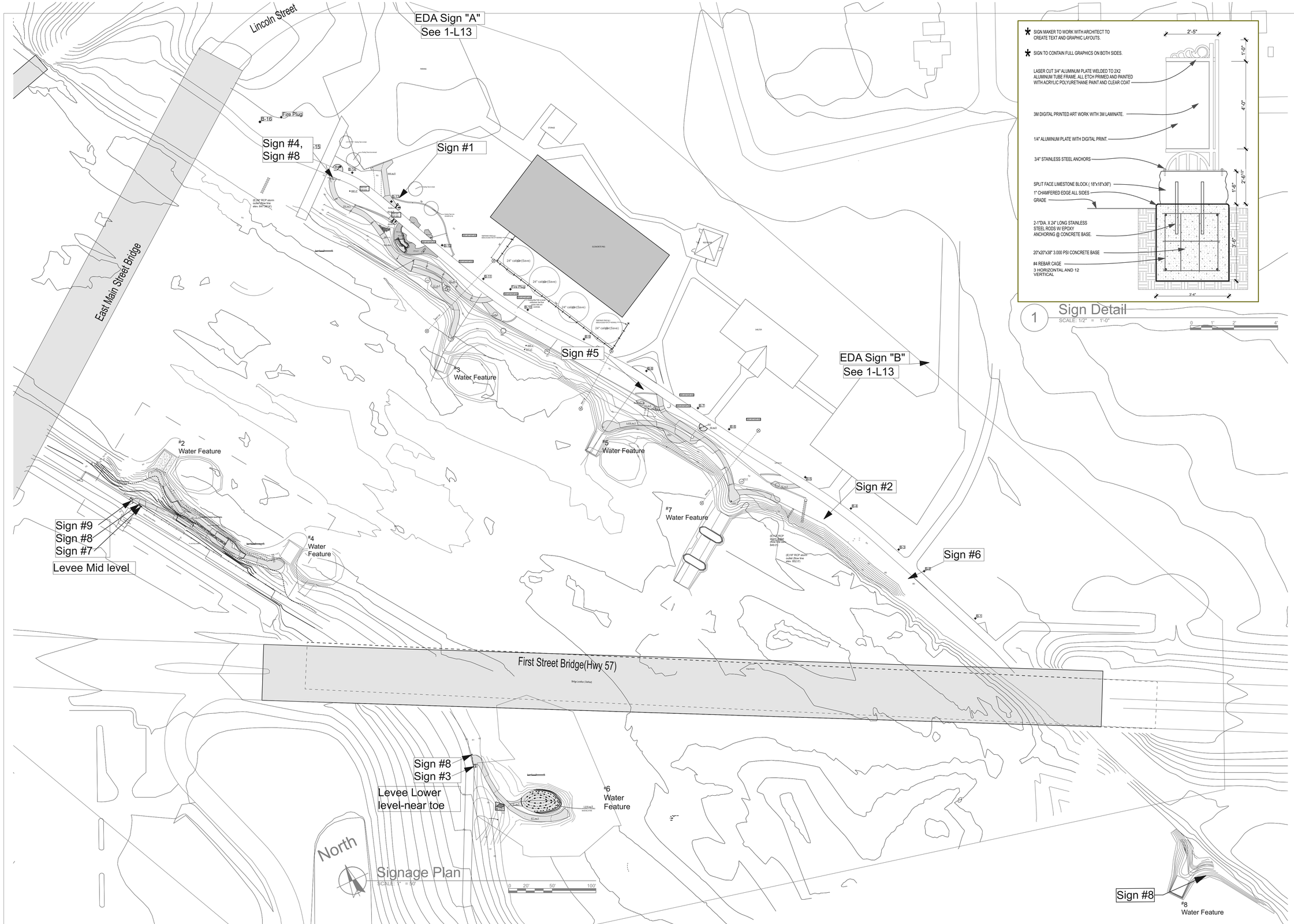
REVISIONS:

NO.	DATE

DESIGNED: LRK
DRAFTED:
CHECKED:
PLOT DATE: 9/23/2022

DRAWING NO.

L 10



1 Sign Detail
SCALE: 1/2" = 1'-0"
0 1' 2' 4'

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architecture & planning
327 East Fourth Street
Suite 204
Waterloo, Iowa 50703
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PROJECT OWNER:
CITY OF CEDAR FALLS, IOWA

Cedar River Recreational Improvements Project
Cedar River @ Cedar Falls, Iowa

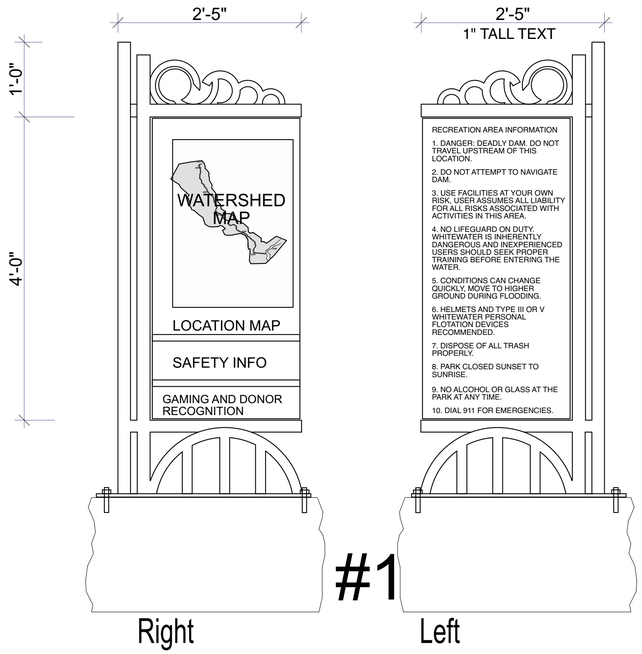
Signage Plan

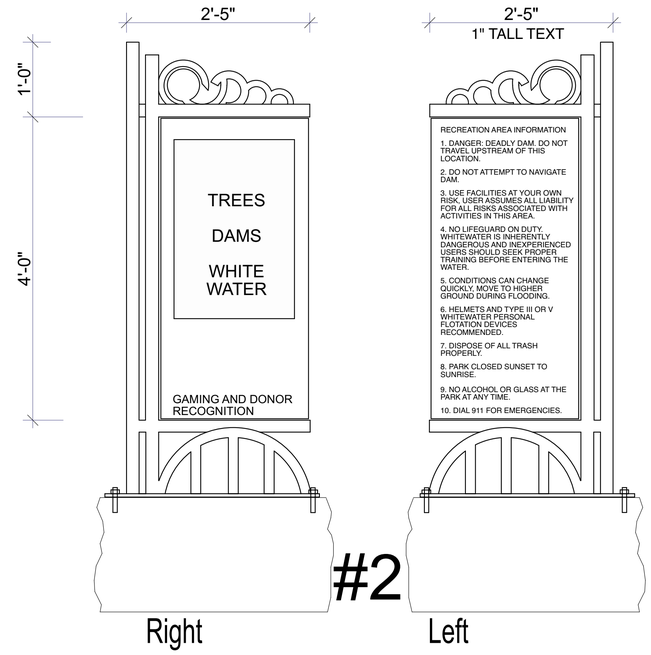
REVISIONS:

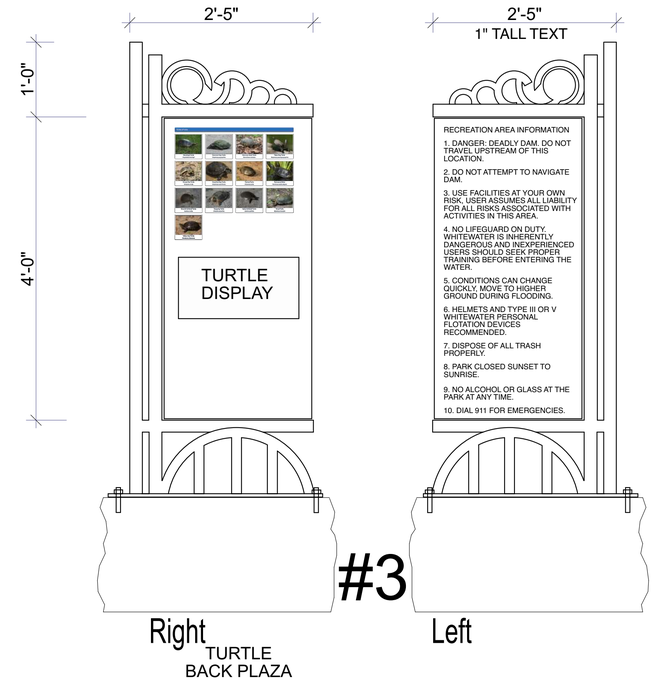
NO.	DATE

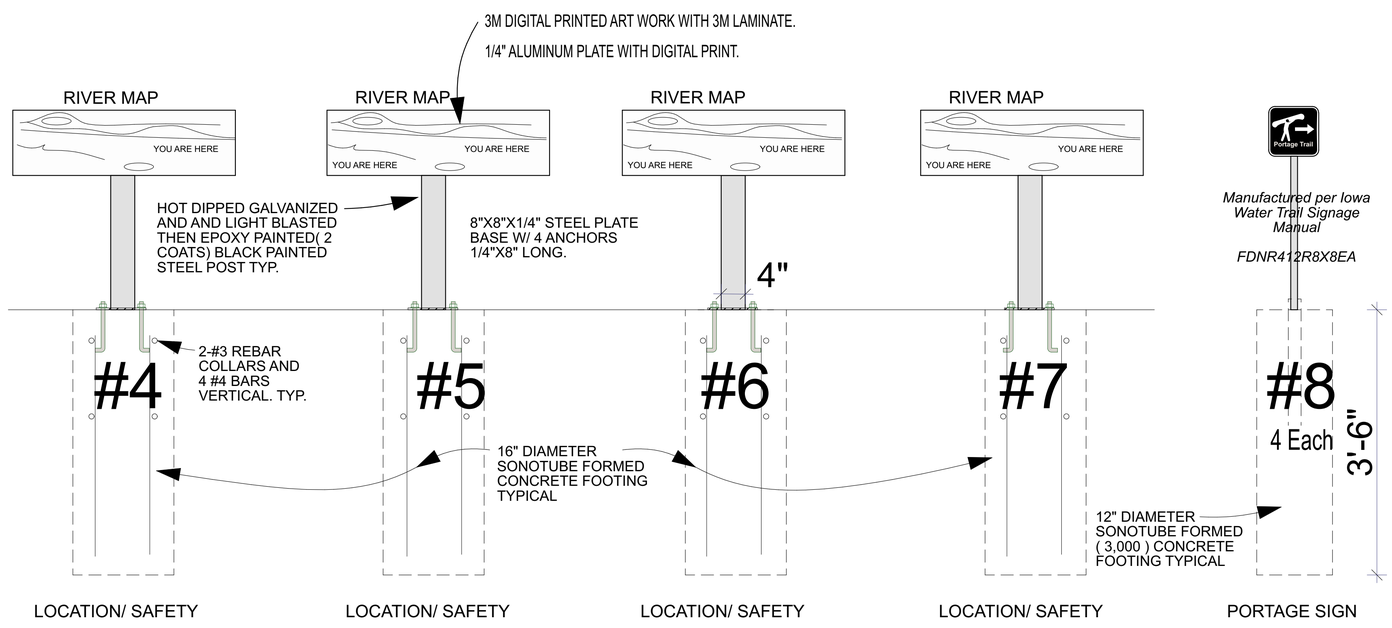
DESIGNED: LRK
DRAFTED:
CHECKED:
PLOT DATE: 9/23/2022

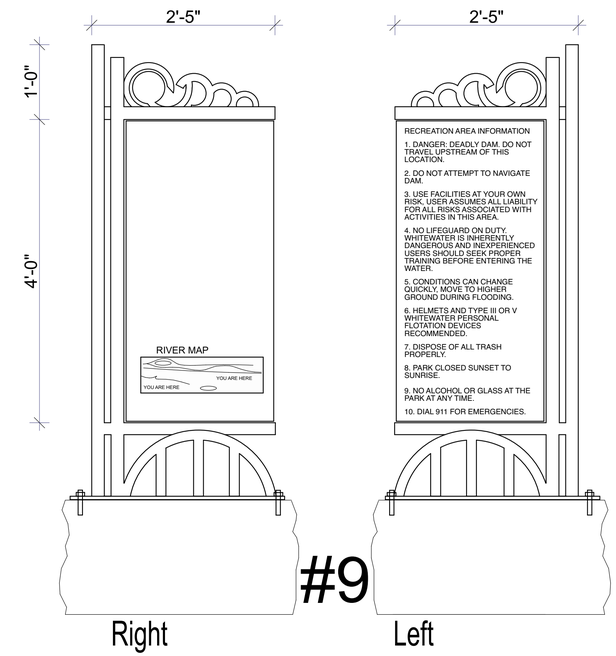
DRAWING NO.
L 11











SEE DETAIL 1/L11 FOR FOOTING DETAIL

1 Sign Elevations
SCALE: 1" = 1'-0"

Sign Contractor to work with Engineer on creating sign content and provide mock up artworks for approval by Engineer. DNR should be used for additional information and final approval of content.

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PROJECT OWNER:
CITY OF CEDAR FALLS, IOWA

Cedar River Recreational Improvements Project
Cedar River @ Cedar Falls, Iowa

Sign Graphics

REVISIONS:

NO.	DATE

DESIGNED: LRK
DRAFTED:
CHECKED:
PLOT DATE: 9/23/2022

DRAWING NO.
L 12

OMB Number: 0610-0096
Expiration Date: 01/31/2025

EDA PROJECT SIGN

The Contractor shall supply, erect, and maintain in good condition a project sign according to the specifications set forth below:

EDA SITE SIGN SPECIFICATION$

Size: 4' x 8' x ¼"

Materials: Exterior grade/MDO plywood (APA rating A-B)

Supports: 4" x 4" x 12' posts with 2" x 4" cross branching

Erection: Posts shall be set a minimum of three feet deep in concrete footings that are at least 12" in diameter.

Paint: Outdoor enamel

Colors: Jet Black, Blue (PMS300), and Gold (PMS7406). Specifically, on white background the following will be placed:

The U. S. Department of Commerce seal in blue, black, and gold;

"EDA" in blue;

"U. S. DEPARTMENT OF COMMERCE ECONOMIC DEVELOPMENT ADMINISTRATION" in black;

"In partnership with" in blue;

(Actual name of the) "EDA Grant Recipient" in black;

Lettering: Specific fonts are named below; positioning will be as shown on the attached illustration.

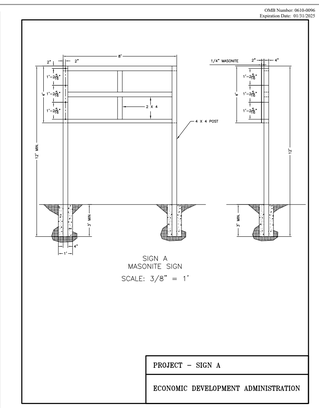
"U. S. DEPARTMENT OF COMMERCE ECONOMIC DEVELOPMENT ADMINISTRATION" use Bank Gothic Medium - BANK GOTHIC MED

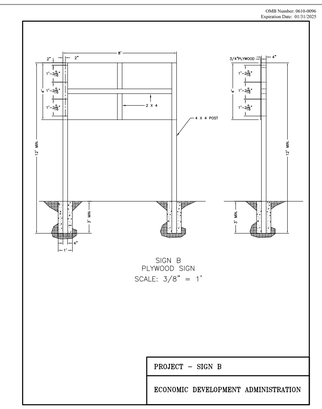
"In partnership with" use Univers™ 55 Oblique - *Univers 55*

(Name of) "EDA Grant Recipient" use Univers™ Extra Black 85 **Univers 85**

Project signs will not be erected on public highway rights-of-way. If any possibility exists for obstruction to traffic line of sight, the location and height of the sign will be coordinated with the agency responsible for highway or street safety in the area.

The EDA Regional Director may permit modifications to these specifications if they conflict with state law or local ordinances.





1 EDA Sign Details
SCALE: 6" = 1'-0"

TABLE OF CONTENTS

DIVISION 03 - CONCRETE

031000 Concrete Forming and Accessories

032000 Concrete Reinforcing

033533 Stamped Concrete Finishing

DIVISION 32 - EXTERIOR IMPROVEMENTS

329300 Plants

PART 1 GENERAL

1.01 SECTION INCLUDES
- A. Formwork for cast-in-place concrete, with shoring, bracing and anchorage.
- B. Form accessories.
- C. Form stripping.

1.02 RELATED REQUIREMENTS
- A. Section 032000 - Concrete Reinforcing.
- B. Section 033000 - Cast-in-Place Concrete.
- C. Section 312316 - Excavation: Shoring and underpinning for excavation.

1.03 REFERENCE STANDARDS
- A. ACI 301 - Specifications for Concrete Construction 2020.

1.04 SUBMITTALS
- A. See Section 013000 - Administrative Requirements, for submittal procedures.

1.05 MOCK-UP
- A. Construct a mock-up of formwork for See Drawings.
  1. Include reinforcement, ties, and accessories specified in Section 032000.
- B. Locate mock-up where directed.
- C. Mock-up may remain as part of the Work.

PART 2 PRODUCTS

2.01 FORMWORK - GENERAL
- A. Provide concrete forms, accessories, shoring, and bracing as required to accomplish cast-in-place concrete work.
- B. Design and construct concrete that complies with design with respect to shape, lines, and dimensions.
- C. Comply with applicable state and local codes with respect to design, fabrication, erection, and removal of formwork.

2.02 FORMWORK ACCESSORIES

PART 3 EXECUTION

3.01 ERECTION - FORMWORK
- A. Erect formwork, shoring and bracing to achieve design requirements, in accordance with requirements of ACI 301.
- B. Provide bracing to ensure stability of formwork. Shore or strengthen formwork subject to overstressing by construction loads.

3.02 FORM REMOVAL
- A. Do not remove forms or bracing until concrete has gained sufficient strength to carry its own weight and imposed loads.

END OF SECTION

PART 1 GENERAL

1.01 RELATED REQUIREMENTS
- A. Section 031000 - Concrete Forming and Accessories.
- B. Section 033000 - Cast-in-Place Concrete.

1.02 REFERENCE STANDARDS
- A. ACI 301 - Specifications for Concrete Construction 2020.
- B. ASTM A615/A615M - Standard Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement 2022.
- C. ASTM A706/A706M - Standard Specification for Deformed and Plain Low-Alloy Steel Bars for Concrete Reinforcement 2022.
- D. CRSI (DA4) - Manual of Standard Practice 2009.
- E. CRSI (P1) - Placing Reinforcing Bars, 10th Edition 2019.

PART 2 PRODUCTS

2.01 MANUFACTURERS
- A. Reinforcing Steel:
  1. Commercial Metals Company; Rebar: www.cmc.com/#/sl.

2.02 REINFORCEMENT
- A. Reinforcing Steel: ASTM A706/A706M, deformed low-alloy steel bars.
  1. Unfinished.
- B. Reinforcement Accessories:
  1. Tie Wire: Annealed, minimum 16 gauge, 0.0508 inch (1.29 mm).

2.03 FABRICATION
- A. Fabricate concrete reinforcing in accordance with CRSI (DA4) - Manual of Standard Practice.

PART 3 EXECUTION

3.01 PLACEMENT
- A. Place, support and secure reinforcement against displacement. Do not deviate from required position.
- B. Maintain concrete cover around reinforcing as follows:
  1. Slabs on Fill: 2 inch ([____] mm).

END OF SECTION

PART 1 GENERAL

1.01 SECTION INCLUDES
- A. Stamping of new full-depth concrete.
- B. Coloring of stamped concrete.

1.02 RELATED REQUIREMENTS
- A. Section 033000 - Cast-in-Place Concrete: Concrete mix design; bonding and chemical admixtures; mixing; placement; finishing of concrete surface to tolerance: floating, troweling, and similar operations; frequency and treatment of control joints.

1.03 REFERENCE STANDARDS
- A. ASTM C33/C33M - Standard Specification for Concrete Aggregates 2018.
- B. ASTM C979/C979M - Standard Specification for Pigments for Integrally Colored Concrete 2016.
- C. ASTM C1315 - Standard Specification for Liquid Membrane-Forming Compounds Having Special Properties for Curing and Sealing Concrete 2019.

1.04 ADMINISTRATIVE REQUIREMENTS
- A. Preinstallation Meeting: Conduct a preinstallation meeting one week prior to start of work of this section.
  1. Require attendance of parties directly affecting work of this section, including:
     - a. Installer.
     - b. Contractor's representative.
     - c. Engineer.
     - d. Materials manufacturers' representatives.
  2. Review mock-ups, material sequence, preparation and application, cleaning, protection and coordination with other work.

1.05 SUBMITTALS
- A. See Section 013000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
  1. Preparation instructions and recommendations.
  2. Storage and handling requirements and recommendations.
  3. Installation methods.

1.06 QUALITY ASSURANCE
- A. Installer Qualifications: Company specializing in performing the work of this section with minimum five years documented experience and approved by owner.
  1. Submit installer's list of completed stamped concrete projects, including project name and location, name of Architect, and type and quantity of materials applied.

1.07 MOCK-UPS
- A. Construct mock-up(s) of stamped concrete to serve as basis for evaluation of workmanship.
  1. Number of Mock-Ups to be Prepared: One.
  2. Use same materials and methods for use in the work.
  3. Record technique, timed procedures and material used.
  4. Locate where directed.
  5. Minimum Size: 4 by 4 feet (1220 by 1220 mm).
- B. Obtain approval of mock-up by Engineer before proceeding with work.
- C. Retain mock-up(s) until completion of work for use as quality standard.

1.08 DELIVERY, STORAGE, AND HANDLING
- A. Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- B. Store and handle materials in accordance with manufacturer's instructions.
- C. Keep materials in manufacturer's original, unopened containers and packaging until application.
- D. Store materials in clean, dry area indoors and out of direct sunlight.
- E. Keep materials from freezing.
- F. Protect materials during storage, handling, and application to prevent contamination or damage.

1.09 FIELD CONDITIONS
- A. Do not install materials when air and surface temperatures are below 55 degrees F (13 degrees C) or above 80 degrees F (27 degrees C).
- B. Do not install materials when rain, snow, or excessive moisture is expected during application or within 24 hours after application.

PART 2 PRODUCTS

2.01 MANUFACTURERS
- A. Stamping and Coloring Materials:
  1. Scofield.
  2. Butterfield.

2.02 STAMPED CONCRETE APPLICATIONS
- A. Full Depth Stamped Concrete Slab - Type 1: Patterned new concrete.
  1. Application(s): All indicated exterior locations.
  2. Pattern: To be selected from manufacturer's full line.
  3. Pattern: low relief irregular skin will be selected..
  4. Color: To be determined after award of contract.
  5. As last step, apply combination curing compound / clear sealer.

2.03 FULL-DEPTH CONCRETE SLAB MATERIALS
- A. See other section(s) for concrete design mix, mixing, forming, and reinforcement.
- B. Slump: 4.0 inches (101.6 mm) maximum.
- C. Do not use calcium chloride or admixtures containing calcium chloride.
- D. Aggregates: Use non-reactive fine and coarse aggregates free from deleterious material and complying with ASTM C33/C33M.

2.04 STAMPING MATERIALS
- A. Stamping Mats: Mat type imprinting tools for texturing freshly placed concrete, in pattern and texture to achieve required surface profile and design.
  1. Mat Composition: Polyurethane.
- B. Release Agent: Bond breaker compound capable of releasing stamping forms from concrete without creating surface defects or leaving any residue; type as recommended by stamping mat manufacturer; compatible with concrete, form materials and specified coloring agents.

2.05 INTEGRAL COLORING AGENTS
- A. Concrete Pigment: Pure, concentrated mineral pigments specifically intended for mixing into concrete and complying with ASTM C979/C979M.
  1. Concentration: Base dosage rates on weight of Portland cement, fly ash, silica fume, and other cementitious materials but not aggregate or sand.
  2. Packaging: If pigments are to be added to mix at site, furnish pigments in premeasured disintegrating bags to minimize job site waste.
  3. Color(s): To match Architect's sample(s) when incorporated into specified mix design(s).

2.06 ACCESSORY MATERIALS
- A. Curing and Sealing Compound: Clear, non-yellowing, non-staining, breathable, UV stable curing agent and sealer, complying with ASTM C1315 and compatible with all components of stamped concrete systems.
- B. Concrete Cleaner: Biodegradable cleaning and neutralizing agent for removal of curing compounds.

PART 3 EXECUTION

3.01 FULL-DEPTH CONCRETE SLABS INSTALLATION
- A. See other section(s) for concrete forming and placement.

3.02 STAMPING
- A. Match approved mock-ups for pattern, color, texture, and workmanship.
- B. Use stamping mats to create patterns in concrete as indicated on drawings; comply with manufacturer's recommendations and instructions.
- C. Use release agent to prevent damage to concrete surface or creation of bugholes during mat removal.
- D. After removal of stamping mats, make minor surface repairs as required.

3.03 CURING
- A. Protect recently placed materials from premature drying, excessive hot or cold temperatures and mechanical injury until fully cured.

3.04 SURFACE TREATMENTS
- A. Match approved mock-ups for pattern, color, texture, and workmanship.
- B. Wait at least 28 days before applying any surface treatment materials or mechanical finishing.
- C. Clean curing agent residue off surface prior to application of surface treatment materials.
  1. Apply concrete cleaner in accordance with manufacturer's instructions to remove excess form release agent, efflorescence, cement scale and curing agents.
- D. Sealer/Coating Application: Apply uniformly over entire surface in accordance with manufacturer's instructions.

3.05 PROTECTION
- A. Do not allow traffic on finished surfaces for the following periods after application:
  1. Foot Traffic: Minimum 24 hours.
  2. Heavy Traffic: Minimum 72 hours.
- B. Protect finished work from damage during construction and ensure that, except for normal weathering, work will be without damage or deterioration at time of Substantial Completion.

END OF SECTION

PART 1 GENERAL

1.01 SECTION INCLUDES
- A. New trees, plants, and ground cover.
- B. Mulch and Fertilizer.
- C. Maintenance.
- D. Tree Pruning.

1.02 RELATED REQUIREMENTS
- A. Section 312200 - Grading: Topsoil material.
- B. Section 312323 - Fill: Topsoil material.

1.03 PRICE AND PAYMENT PROCEDURES

1.04 REFERENCE STANDARDS
- A. ANSI A300 Part 1 - American National Standard for Tree Care Operations - Tree, Shrub, and Other Woody Plant Management - Standard Practices (Pruning) 2017.

1.05 SUBMITTALS
- A. See Section 013000 - Administrative Requirements, for submittal procedures.
- B. Certificate: Certify fertilizer and herbicide mixture approval by authority having jurisdiction.

1.06 QUALITY ASSURANCE
- A. Nursery Qualifications: Company specializing in growing and cultivating the plants with three years documented experience.
- B. Installer Qualifications: Company specializing in installing and planting the plants approved by nursery.
- C. Maintenance Services: Performed by installer.

1.07 DELIVERY, STORAGE, AND HANDLING
- A. Deliver fertilizer in waterproof bags showing weight, chemical analysis, and name of manufacturer.
- B. Protect and maintain plant life until planted.
- C. Deliver plant life materials immediately prior to placement. Keep plants moist.

1.08 FIELD CONDITIONS
- A. Do not install plant life when ambient temperatures may drop below 35 degrees F (2 degrees C) or rise above 90 degrees F (32 degrees C).
- B. Do not install plant life when wind velocity exceeds 30 mph (48 k/hr).

1.09 WARRANTY
- A. See Section 017800 - Closeout Submittals, for additional warranty requirements.
- B. Provide one year warranty.
- C. Warranty: Include coverage for one continuous growing season; replace dead or unhealthy plants.
- D. Replacements: Plants of same size and species as specified, planted in the next growing season, with a new warranty commencing on date of replacement.

1.10 MAINTENANCE (SEE END OF SECTION)
- A. See Section 017000 - Execution and Closeout Requirements, for additional requirements relating to maintenance service.

PART 2 PRODUCTS

2.01 REGULATORY REQUIREMENTS
- A. Comply with regulatory agencies for fertilizer and herbicide composition.
- B. Provide certificate of compliance from authority having jurisdiction indicating approval of plants, fertilizer and herbicide mixture.
- C. Plant Materials: Certified by federal department of agriculture; free of disease or hazardous insects.

2.02 PLANTS
- A. Plants: Species and size identified in plant schedule, grown in climatic conditions similar to those in locality of the work.

2.03 SOIL MATERIALS
- A. Topsoil: Imported from owners source and provided to contractor at no charge delevered to staging area on site. Coordinate with owner for quanties and deliver
- B. Topsoil: Fertile, agricultural soil, typical for locality, capable of sustaining vigorous plant growth, taken from drained site; free of subsoil, clay or impurities, plants, weeds and roots; minimum pH value of 5.4 and maximum 7.0.

2.04 MULCH MATERIALS

2.05 ACCESSORIES
- A. Wrapping Materials: Burlap.
- B. Stakes: Softwood lumber, pointed end.
- C. Plant Protectors: Rubber sleeves over cable to protect plant stems, trunks, and branches.
- D. Decorative Cover: Fir bark chips, 2 inch ([____] mm) minimum and 3 inch ([____] mm) maximum size.

PART 3 EXECUTION

3.01 EXAMINATION
- A. Verify that prepared subsoil and planters are ready to receive work.
- B. Saturate soil with water to test drainage.

3.02 PLANTING
- A. Place plants for best appearance for review and final orientation by Engineer
- B. Set plants vertical.
- C. Remove non-biodegradable root containers.
- D. Set plants in pits or beds, partly filled with prepared plant mix, at a minimum depth of 6 inches (of 150 mm) under each plant. Remove burlap, ropes, and wires, from the root ball.
- E. Place bare root plant materials so roots lie in a natural position. Backfill soil mixture in 6 inch (150 mm) layers. Maintain plant life in vertical position.
- F. Saturate soil with water when the pit or bed is half full of topsoil and again when full.

3.03 PLANT SUPPORT
- A. Brace plants vertically with plant protector wrapped guy wires and stakes to the following:
  1. Tree Caliper: 1 inch (25 mm); Tree Support Method: 1 stake with one tie
  2. Tree Caliper: 1 to 2 inches (25 to 50 mm); Tree Support Method: 2 stakes with two ties

3.04 TREE PRUNING
- A. Prune trees as recommended in ANSI A300 Part 1.
- B. Prune newly planted trees as required to remove dead, broken, and split branches.

3.05 FIELD QUALITY CONTROL
- A. Plants will be rejected if a ball of earth surrounding roots has been disturbed or damaged prior to or during planting.

3.06 MAINTENANCE
- A. Provide maintenance at no extra cost to Owner; Owner will provide for water on site @ hose bib.
- B. Irrigate sufficiently to saturate root system and prevent soil from drying out.
- C. Remove dead or broken branches and treat pruned areas or other wounds.
- D. Neatly trim plants where necessary.
- E. Immediately remove clippings after trimming.
- F. Control growth of weeds. Apply herbicides in accordance with manufacturer's instructions.
- G. Control insect damage and disease. Apply pesticides in accordance with manufacturers instructions.
- H. Remedy damage from use of herbicides and pesticides.
- I. Replace mulch when deteriorated.
- J. Maintain wrappings, guys, turnbuckles, and stakes. Adjust turnbuckles to keep guy wires tight. Repair or replace accessories when required.

3.07 SCHEDULE - PLANT LIST
- A. Provide plants on plant legend. Plants to be located on site by owners representative. :

END OF SECTION

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PROJECT OWNER:
CITY OF CEDAR FALLS, IOWA

Cedar River Recreational Improvements Project
Cedar River @ Cedar Falls, Iowa

Specifications/EDA Sign Detail

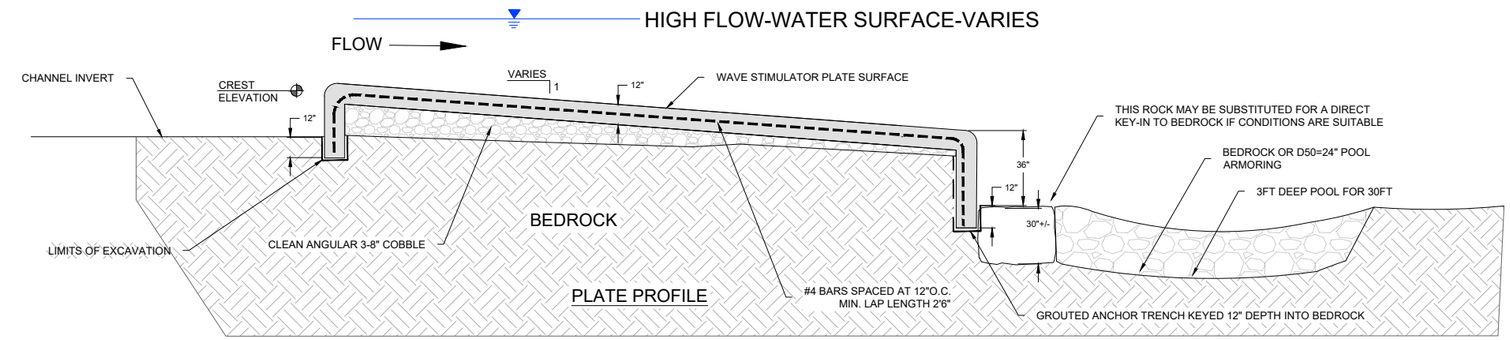
REVISIONS:

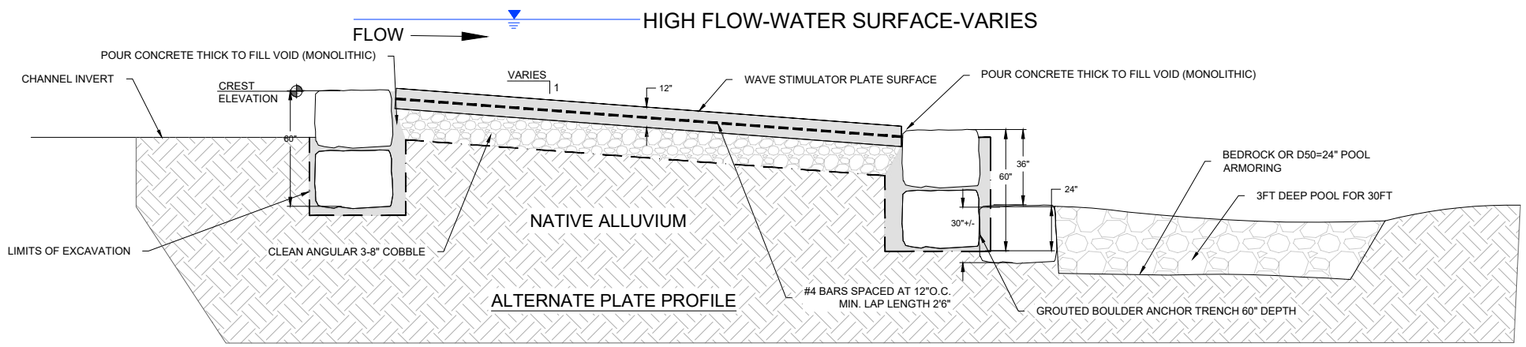
NO.	DATE

DESIGNED: LRK
DRAFTED:
CHECKED:
PLOT DATE: 9/23/2022

DRAWING NO.

L 13

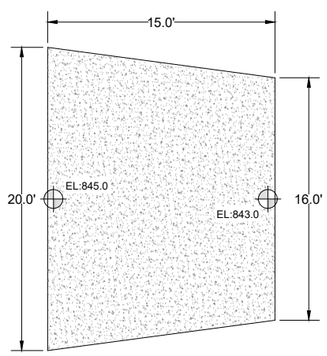




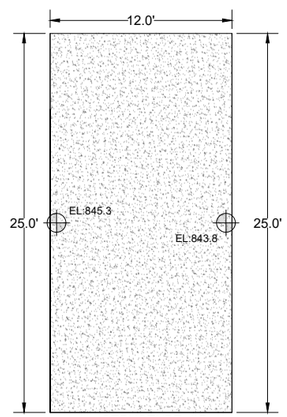
WAVE STIMULATOR PLATE PROFILE

SCALE: 1"=3'

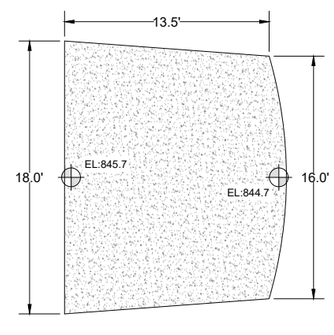
NOTE: SUBGRADE KEY-IN AND ANCHORING TECHNIQUE MAY VARY DEPENDING ON SITE CONDITION AND SHOULD BE APPROVED BY A COMPETENT ENGINEER EXPERIENCED WITH ANCHORING INSTREAM STRUCTURES



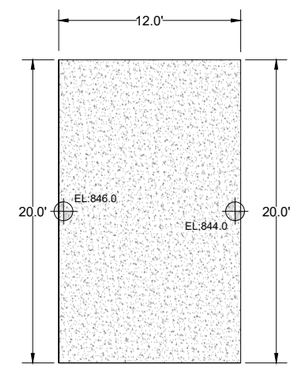
STRUCTURE #2
9:1 SLOPE



STRUCTURE #3
7:1 SLOPE



STRUCTURE #4
10:1 SLOPE



STRUCTURE #5
9:1 SLOPE

WAVE STIMULATOR PLATE DIMENSIONS

SCALE: NTS

Riverwise Engineering
RIVERWISE ENGINEERING, LLC
PO BOX 706
DURANGO | CO | 81302
WWW.RIVERWISE.ORG

LICENSED PROFESSIONAL ENGINEER
4/23/22
SHANE A. SIGLE
21194
IOWA

PROJECT OWNER:
CITY OF CEDAR FALLS
220 CLAY STREET
CEDAR FALLS, IA
50613

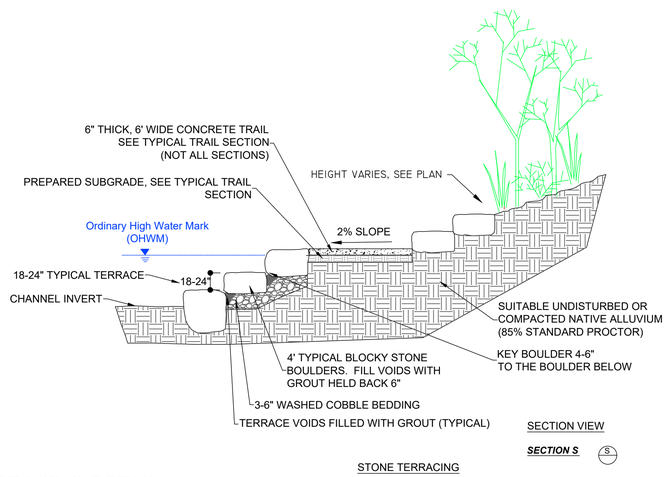
RIVER AREA & RIVERBANK IMPROVEMENTS
CEDAR RIVER
BLACK HAWK COUNTY
PRELIMINARY - NOT FOR CONSTRUCTION
PRESCRIBED PLATE DIMENSIONS

REVISIONS:

NO.	DATE
#	

DESIGNED: SS, MH, LK, RG
CHECKED: SS
DRAFTED: RG
PLOT DATE: 9/23/2022

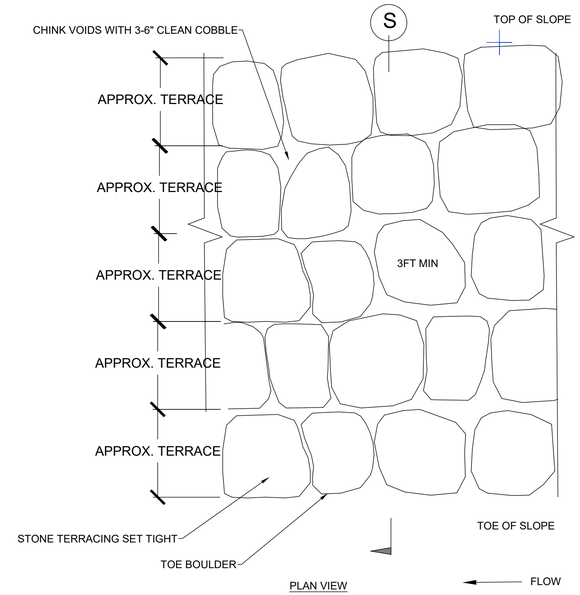
DRAWING NO.
D-1



TYPICAL STONE TERRACING DETAIL

SCALE: NTS

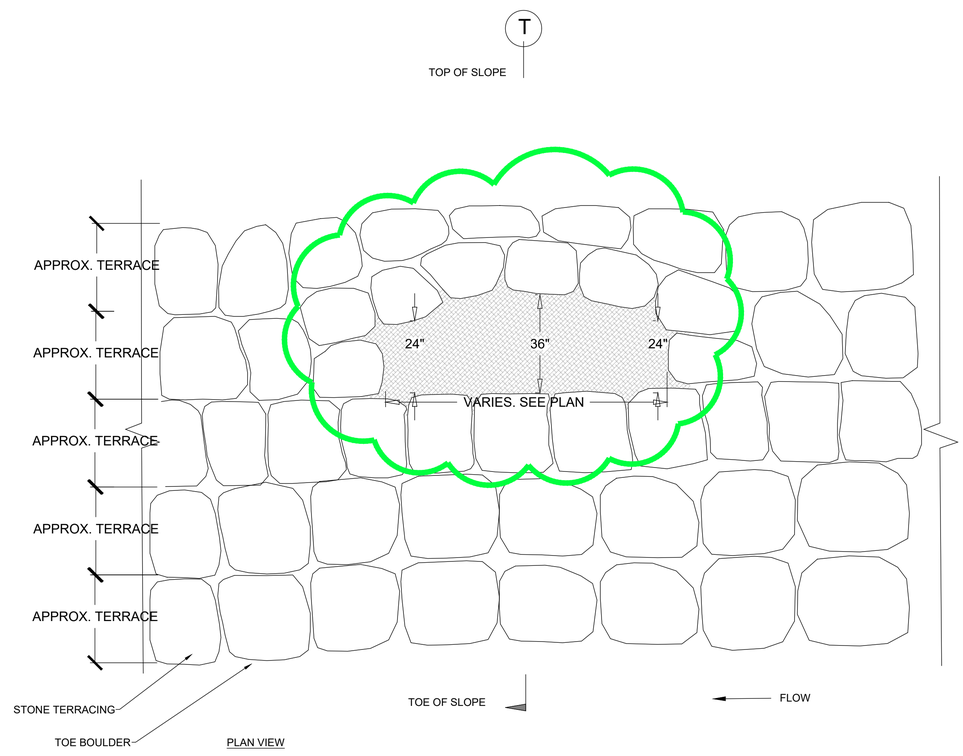
NOTE: FOR BIDDING PURPOSES ALL TERRACE VOIDS TO BE FILLED WITH GROUT. BASED ON FIELD CONDITIONS ENGINEER MAY DETERMINE THAT GROUT IS NOT REQUIRED.



NOTES:

1. SUBGRADE KEY-IN AND ANCHORING TECHNIQUE MAY VARY DEPENDING ON SITE CONDITION AND SHOULD BE APPROVED BY A COMPETENT ENGINEER EXPERIENCED WITH ANCHORING INSTREAM STRUCTURES.

2. ALL PLACED STONES MUST BE KEYED 6 INCHES MINIMUM IN THE HORIZONTAL AND VERTICAL DIRECTIONS.



Riverwise Engineering

RIVERWISE
ENGINEERING, LLC
PO BOX 706
DURANGO | CO | 81302
WWW.RIVERWISE.ORG

LICENSED PROFESSIONAL ENGINEER
4/23/22
SHANE A. SIGLE
21194
IOWA

PROJECT OWNER:
CITY OF CEDAR FALLS
220 CLAY STREET
CEDAR FALLS, IA
50613

RIVER AREA & RIVERBANK IMPROVEMENTS
CEDAR RIVER
BLACK HAWK COUNTY
PRELIMINARY - NOT FOR CONSTRUCTION
STONE TERRACING DETAILS

REVISIONS:

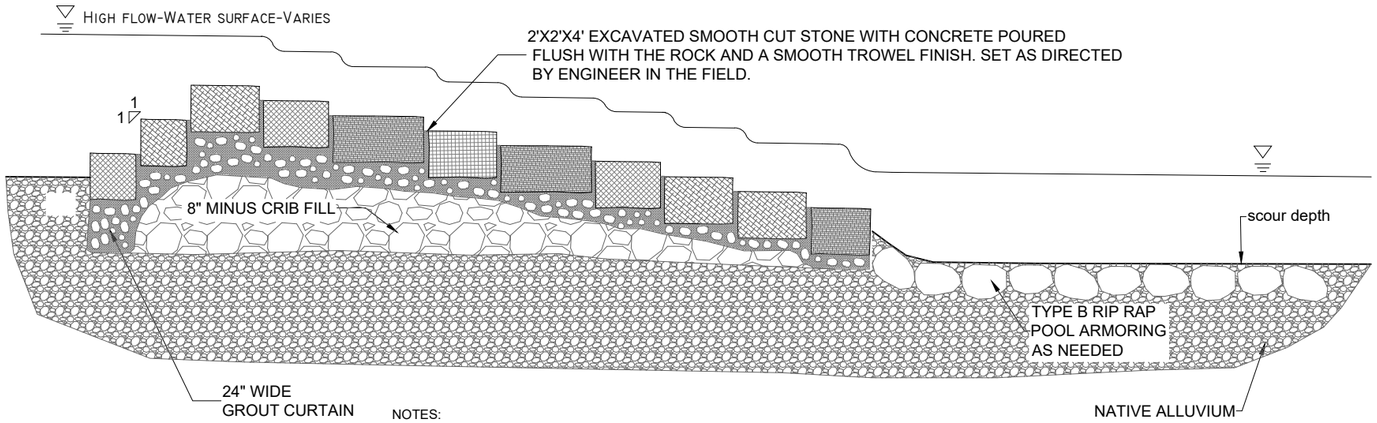
NO. #	DATE

DESIGNED: SS, MH, LK, RG
CHECKED: SS DRAFTED: RG
PLOT DATE: 9/23/2022

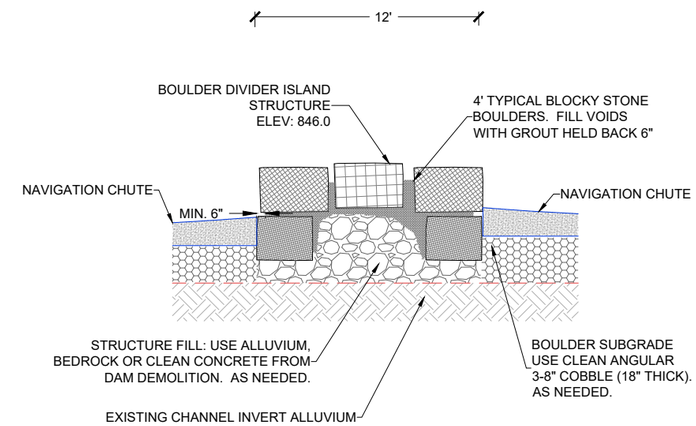
DRAWING NO.

D-2

SHEET D-2 OF 67



NOTES:
1. FILL VOIDS ALONG UPSTREAM AND DOWNSTREAM TOE WITH GROUT AND ALL OTHER VOIDS FILLED WITH GROUT TOOLED FLUSH WITH STONE SURFACE.
2. ALL ROCK TO TO BE CLEAN AND SWEPT AFTER GROUTING
3. QUARRIED STONE TO BE PLACED IN A STEPPED PATTERN WITH EACH STONE KEYED INTO THE STONE BELOW 6-8".



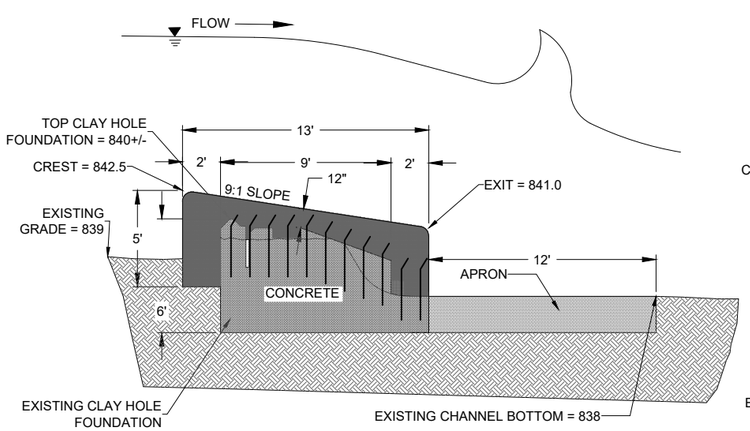
NOTE: SUBGRADE KEY-IN AND ANCHORING TECHNIQUE MAY VARY DEPENDING ON SITE CONDITION AND SHOULD BE APPROVED BY A COMPETENT ENGINEER EXPERIENCED WITH ANCHORING INSTREAM STRUCTURES

STRUCTURE #7 (CLAY HOLE) TYPICAL PROFILE ROCK IN WINGS

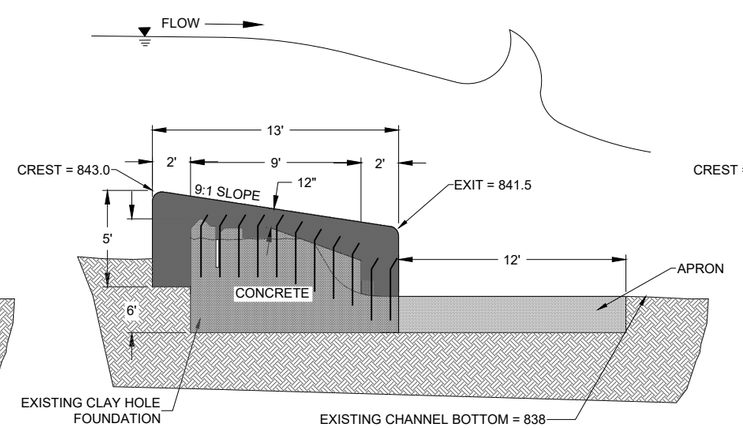
SCALE: NTS

STRUCTURE #7 (CLAY HOLE) TYPICAL DIVIDER ISLAND

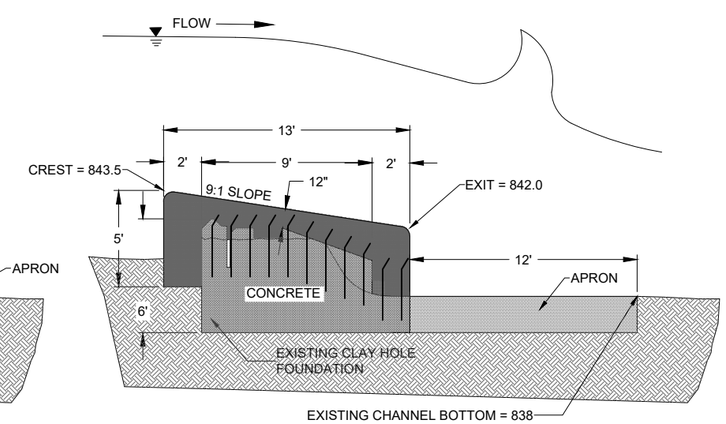
SCALE: NTS



CLAY HOLE STRUCTURE LOW CHUTE - PROFILE 71.938



CLAY HOLE STRUCTURE MEDIUM CHUTE - PROFILE 106.727



CLAY HOLE STRUCTURE HIGH CHUTE - PROFILE 143.341

NOTES:
1. CONCRETE TO BE A MINIMUM 12" THICK
2. 20" LONG #4 REBAR 12" O.C. BENT AT 45° SET IN SUBGRADE AND PROTRUDING MIN. 6" INTO CONCRETE.
3. #4 REBAR HORIZONTAL 12" O.C. EACH WAY IN A GRID PATTERN. REBAR TO BE INSTALLED 8" FROM TOP OF CONCRETE. LAP LENGTHS TO BE A MINIMUM OF 24"
4. ALL NEW REBAR TO BE EPOXY COATED.
5. CONTRACTOR MAY SUBSTITUTE AN EQUIVALENT EPOXY COATED WELDED WIRE FABRIC.
6. CONTRACTOR TO REMOVE EXISTING REBAR PROTRUDING FROM CONCRETE OF THE EXISTING CLAY HOLE STRUCTURE AS DIRECTED BY ENGINEER

STRUCTURE #7 (CLAY HOLE) CHUTE PROFILE DETAILS

SCALE: NTS

Riverwise Engineering
RIVERWISE ENGINEERING, LLC
PO BOX 706
DURANGO | CO | 81302
WWW.RIVERWISE.ORG

LICENSED PROFESSIONAL ENGINEER
4/23/23
SHANE A. SIGLE
21194
IOWA

PROJECT OWNER:
CITY OF CEDAR FALLS
220 CLAY STREET
CEDAR FALLS, IA
50613

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CEDAR RIVER
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STRUCTURE#7 (CLAY HOLE)

REVISIONS:

NO.	DATE
#	

DESIGNED: SS, MH, LK, RG
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DRAFTED: RG
PLOT DATE: 9/23/2022

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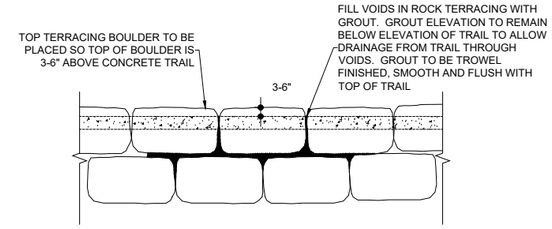
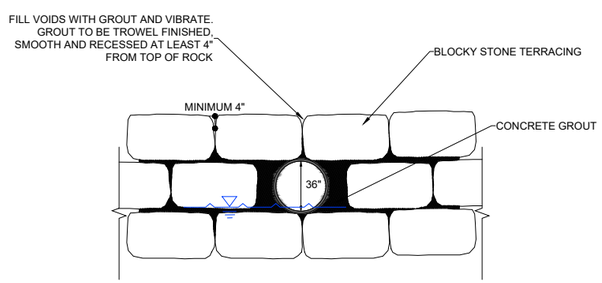
D-3



TYPICAL CONCRETE TRAIL PROFILE

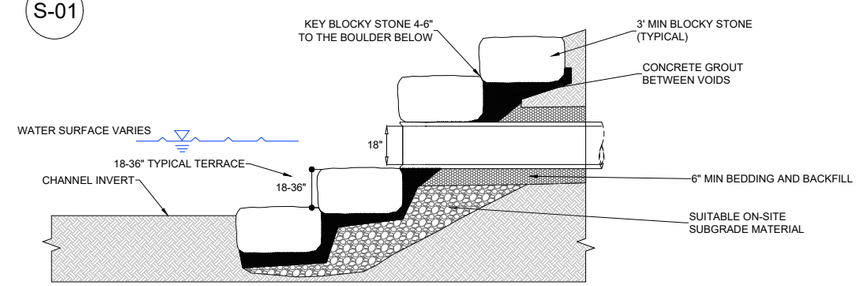
TYPICAL LOW TRAIL BOULDER EDGE

NOTE: SUBGRADE KEY-IN AND ANCHORING TECHNIQUE MAY VARY DEPENDING ON SITE CONDITION AND SHOULD BE APPROVED BY A COMPETENT ENGINEER EXPERIENCED WITH ANCHORING INSTREAM STRUCTURES



RCP OUTLET TIE TO DEFLECTOR

S-01



STORMWATER OUTFALL TYPICAL DETAIL
N.T.S.

Riverwise Engineering
RIVERWISE ENGINEERING, LLC
PO BOX 706
DURANGO | CO | 81302
WWW.RIVERWISE.ORG

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4/23/22
SHANE A. SIGLE
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220 CLAY STREET
CEDAR FALLS, IA
50613

RIVER AREA & RIVERBANK IMPROVEMENTS
CEDAR RIVER
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TYPICAL DETAILS

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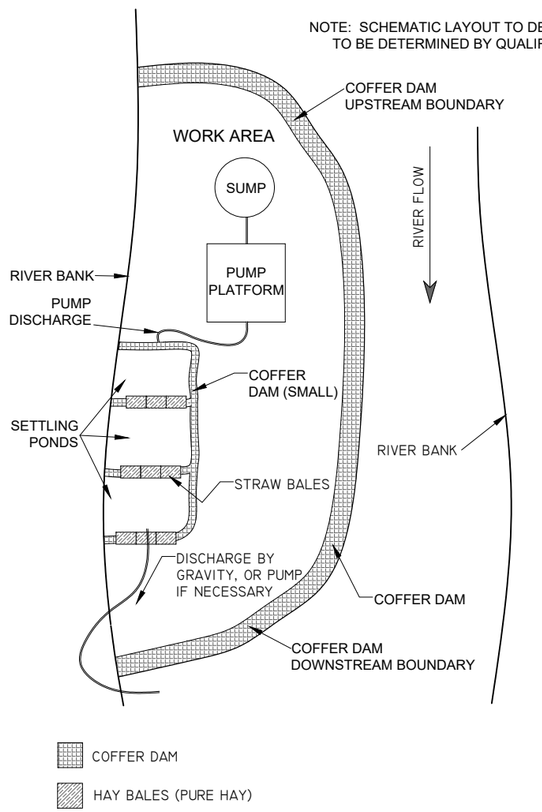
D-4

TYPICAL LAYOUT DEWATERING AREA

NOTE: SCHEMATIC LAYOUT TO DESCRIBE FUNCTIONALITY ONLY. ACTUAL LAYOUT TO BE DETERMINED BY QUALIFIED CONTRACTOR, PER PERMIT CONDITIONS.

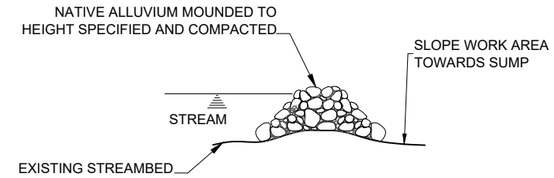


DEWATERING NOTES:

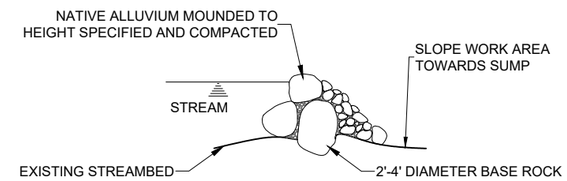
1. SUMPS CAN BE MADE FROM DIGGING A HOLE AND INSERTING A PERFORATED PIPE AND BACKFILLING WITH CLEAN DRAIN ROCK OR OTHER APPROVED METHOD.
2. SETTLING BASINS SHOULD BE BASED UPON SITE SPECIFICS (I.E. INFILTRATION AND SETTLING RATES, PARTICLE SIZE). DETENTION TIMES WILL BE BASED UPON THE SIZE OF THE SUSPENDED PARTICLES. IF THERE IS EXCESSIVE LEAKAGE THROUGH ANY COFFER DAM, BASE ROCK IS TO BE LINED WITH VISQUENE PRIOR TO BEING COVERED IN COBBLE. NUMBER OF SETTLING PONDS TO BE DETERMINED BY CLARITY OF DISCHARGE FLUID.
3. UPON COMPLETION VISQUENE AND SETTLED FINES SHALL BE REMOVED AND DISPOSED OF OFFSITE BY THE CONTRACTOR.
4. PUMP STATION SHALL BE ELEVATED. FUEL CONTAINMENT BMP'S SHALL BE ONSITE AT ALL TIMES.
5. PUMP REMAINING WATER IN CONSTRUCTION AREA AS NECESSARY, TO MANAGE GROUNDWATER AND LEAKAGE. ALL DISCHARGED WATER MUST BE ROUTED TO THE SETTLING BASINS.
6. CONTRACTOR IS RESPONSIBLE FOR OWN SECURITY DURING CONSTRUCTION. ANY VANDALISM WILL BE CORRECTED AT CONTRACTOR'S OWN EXPENSE.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CARE OF ALL WATER DURING CONSTRUCTION INCLUDING MAINTENANCE OF ALL DITCHES, COFFERDAMS, LEVEES, DIVERSIONS AND PUMPS TO KEEP THE WORK AREA FREE FROM WATER.
8. DEWATERING PLAN DETAILS SHOWN HERE ARE ILLUSTRATIVE. PRIOR TO COMMENCING ANY WORK, THE CONTRACTOR IS TO COMPLETE AND SUBMIT A DEWATERING PLAN APPLICABLE TO THIS PROJECT.
9. CONTRACTOR IS RESPONSIBLE FOR LAYOUT AND DESIGN OF COFFERDAM. CONTRACTOR SHALL SUBMIT A PLAN FOR COFFERDAM INSTALLATION, RIVER DIVERSION AND EROSION CONTROL INCLUDING LOCATION, SIZE, HEIGHT, SEQUENCING AND TIMING OF EACH COMPONENT. COFFERDAMS OR FILLS FOR ACCESS SHALL BE PLACED AND REMOVED IN A MANNER THAT PREVENTS EROSION OR RELEASE OF SEDIMENT.
10. ALL COFFER DAM PLANS SHALL BE PROVIDED DIRECTLY TO RWE AND WILL BE REVIEWED BY THE ENGINEER AND THE IOWA DEPARTMENT OF NATURAL RESOURCES.
11. ALTERNATE COFFER DAM METHODS PRESENTED TO DESCRIBE FUNCTIONALITY ONLY. ACTUAL METHOD TO BE DETERMINED BY QUALIFIED CONTRACTOR, PER PERMIT CONDITIONS, IN ORDER TO ACHIEVE DRY WORK AREA.
12. CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL DEWATERING AND COFFERDAMS DURING CONSTRUCTION. REPAIRS AND REPLACEMENTS DUE TO NATURAL CAUSES ARE AT THE SOLE EXPENSE OF THE CONTRACTOR.
13. SEE PLANS FOR ACCESS RAMPS, CONSTRUCTION STAGING AND PERMITTED CITY ROADWAYS.
14. COFFERDAM CREST ELEVATIONS SHOULD ALLOW PROTECTION DURING CONSTRUCTION UP TO 9,000CFS.
15. AFTER COMPLETION OF CONSTRUCTION, COFFERDAM MUST BE COMPLETELY REMOVED AND RIVER BANK AREAS STABILIZED AND RESTORED.
16. STAGING AREA TO BE CLEANED OF ANY DEBRIS, DE-COMPACTED AND FULLY SEEDED FOLLOWING THE COMPLETION OF THE PROJECT.

COFFER DAM ALTERNATES

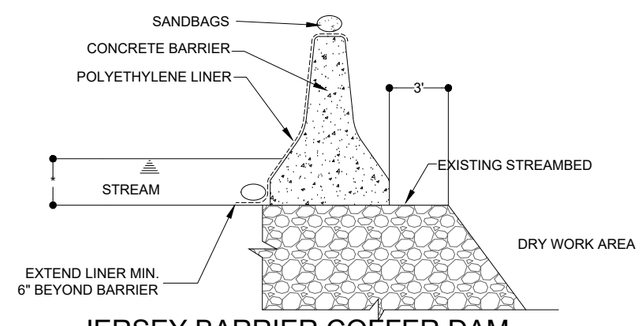
ALTERNATES PROVIDED FOR PLANNING PURPOSES AND CONTRACTOR IS RESPONSIBLE FOR DETERMINING APPROPRIATE COFFER DAM SYSTEM. OTHER SYSTEMS MAY BE ACCEPTABLE BUT CONTRACTOR IS REQUIRED TO GAIN APPROVAL FROM CITY ENGINEER PRIOR TO IMPLEMENTATION



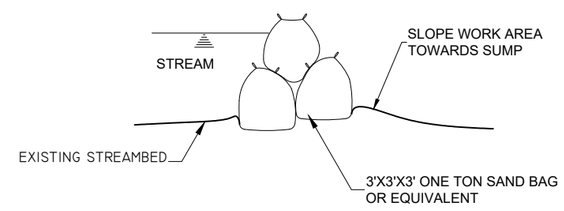
NATIVE ALLUVIUM COFFER DAM ALTERNATE #1



BASE ROCK COFFER DAM ALTERNATE #2



JERSEY BARRIER COFFER DAM ALTERNATE #3



SAND BAG COFFER DAM ALTERNATE #4

DEWATERING AND COFFER DAM PLANS AND DETAILS

SCALE: NTS

Riverwise Engineering
RIVERWISE ENGINEERING, LLC
PO BOX 706
DURANGO | CO | 81302
WWW.RIVERWISE.ORG

LICENSED PROFESSIONAL ENGINEER
4/23/22
SHANE A. SIGLE
21194
IOWA

PROJECT OWNER:
CITY OF CEDAR FALLS
220 CLAY STREET
CEDAR FALLS, IA
50613

RIVER AREA & RIVERBANK IMPROVEMENTS
CEDAR RIVER
BLACK HAWK COUNTY
PRELIMINARY - NOT FOR CONSTRUCTION
DEWATERING

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PLOT DATE: 9/23/2022

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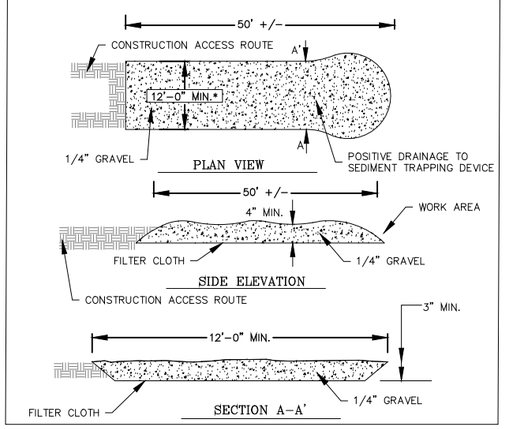
D-5

SHEET D-5

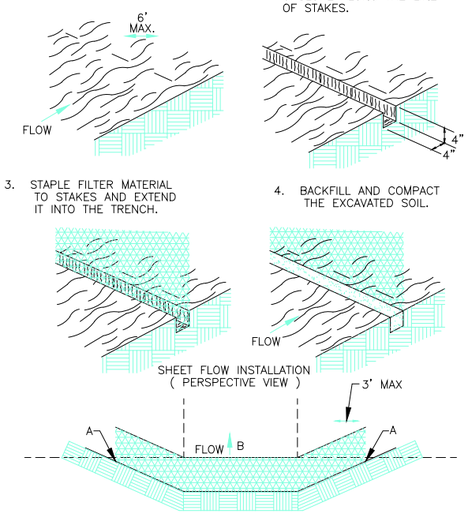
EROSION CONTROL DETAILS:

VEHICLE TRACKING CONTROL (VT)

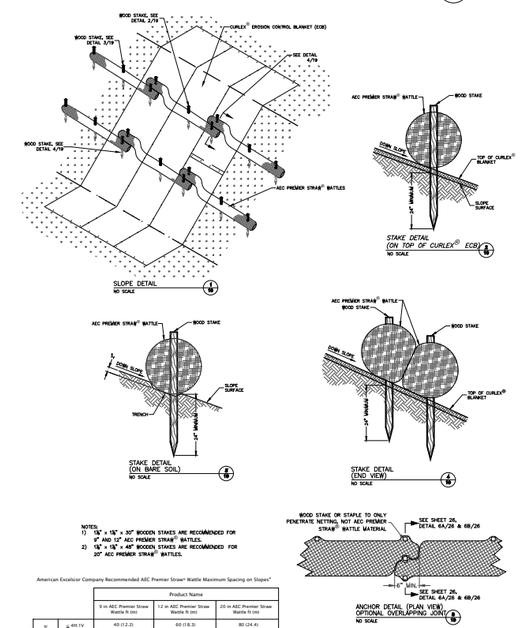


SILT FENCE (WITHOUT WIRE SUPPORT) (SF)

1. SET THE STAKES.
2. EXCAVATE A 4" X 4" TRENCH UPSLOPE ALONG THE LINE OF STAKES.
3. STAPLE FILTER MATERIAL TO STAKES AND EXTEND IT INTO THE TRENCH.
4. BACKFILL AND COMPACT THE EXCAVATED SOIL.



STRAW WATTLE (SW)

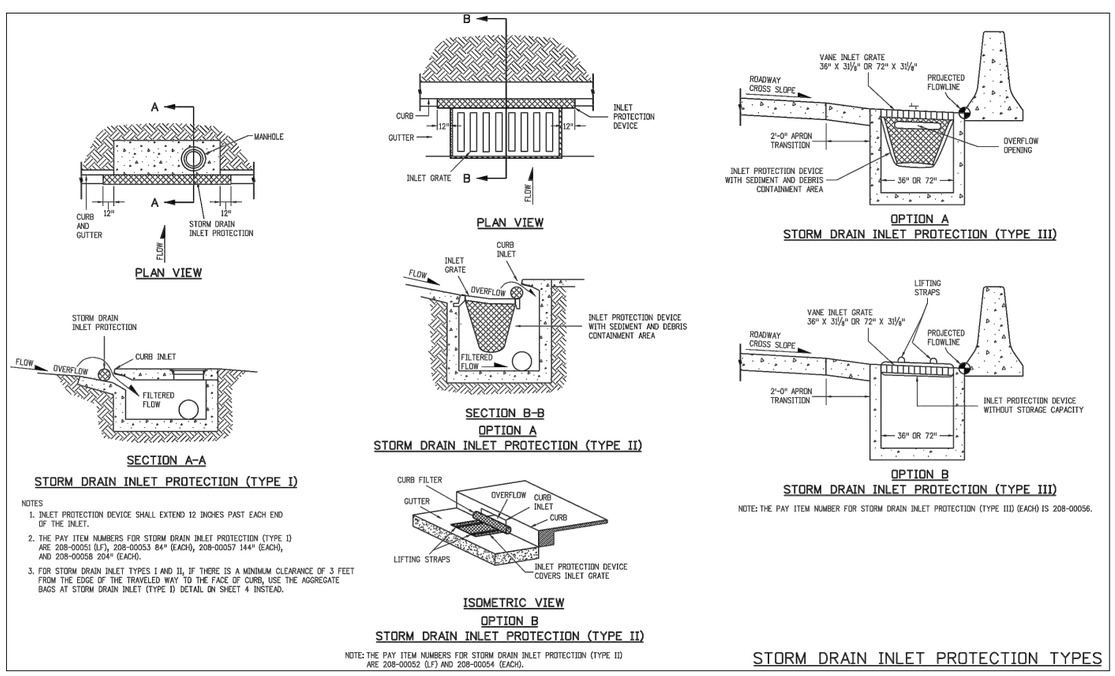


American Excelsior Company Recommended AEC Premier Straw® Wattle Maximum Spacing on Slopes*

		Product Name		
		9 in AEC Premier Straw Wattle ft (m)	12 in AEC Premier Straw Wattle ft (m)	20 in AEC Premier Straw Wattle ft (m)
Slope Gradient	≤ 4H:1V	40 (12.2)	60 (18.3)	80 (24.4)
	3H:1V	30 (9.1)	45 (13.7)	60 (18.3)
	2H:1V	20 (6.1)	30 (9.1)	40 (12.2)
	1H:1V	10 (3.0)	15 (4.6)	20 (6.1)

*Tighter spacing may be required based on soil type and seasonal rainfall patterns. For best results, use slope interruption devices in conjunction with rolled erosion control products.

STORM DRAIN INLET PROTECTION TYPES



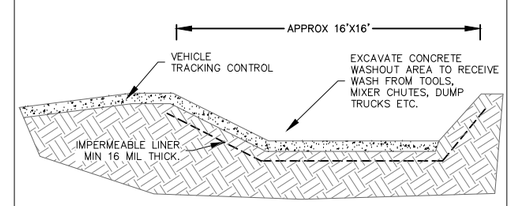
NOTES

1. INLET PROTECTION DEVICE SHALL EXTEND 12 INCHES PAST EACH END OF THE INLET.
2. THE PAY ITEM NUMBERS FOR STORM DRAIN INLET PROTECTION (TYPE I) ARE 208-00051 (LF), 208-00053 84" (EACH), 208-00057 144" (EACH), AND 208-00058 204" (EACH).
3. FOR STORM DRAIN INLET TYPES I AND II, IF THERE IS A MINIMUM CLEARANCE OF 3 FEET FROM THE EDGE OF THE TRAVELED WAY TO THE FACE OF CURB, USE THE AGGREGATE BAGS AT STORM DRAIN INLET (TYPE I) DETAIL ON SHEET 4 INSTEAD.

NOTE: THE PAY ITEM NUMBERS FOR STORM DRAIN INLET PROTECTION (TYPE II) ARE 208-00052 (LF) AND 208-00054 (EACH).

NOTE: THE PAY ITEM NUMBER FOR STORM DRAIN INLET PROTECTION (TYPE III) (EACH) IS 208-00056.

CONCRETE WASHOUT (CW)



NOTE:
1. LOCATE WASHOUT PIT AWAY FROM ALL WATERBODIES AND DRAINAGE PATHS.
2. INCLUDE ADEQAUTE SIGNAGE IDENTIFYING THE LOCATION OF THE WASHOUT STATION.
3. REMOVE AND PROPERLY DISPOSE OF ALL WASHOUT WASTE WHEN FILLED TO 2/3 OF CAPACITY.
4. UPON TERMINATION OF WASHOUT STATION ALL SOLID WASTE INCLUDING CONTAMINATED SOILS TO BE REMOVED AND PROPERLY DISPOSED AND WASHOUT AREA REGRADED.

NOTE:

FOR FUEL STORAGE AREAS, PROVIDE CONTAINMENT FOR ENTIRE SPILL VOLUME OR CURBING AND ROUTING TO A CONTAINMENT BASIN CAPABLE OF RETAINING THE LARGEST TANK OR FUEL STORAGE DEVICE. THE SPILL CONTAINMENT AREA MUST HAVE AN IMPERMEABLE SURFACE TO PREVENT GROUNDWATER CONTAMINATION. THE CONTAINMENT SYSTEM MUST ENABLE CONSOLIDATION AND REMOVAL OF SPILLED MATERIAL THROUGH APPROPRIATE MEASURES

Riverwise Engineering
RIVERWISE ENGINEERING, LLC
PO BOX 706
DURANGO | CO | 81302
WWW.RIVERWISE.ORG

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RIVER AREA & RIVERBANK IMPROVEMENTS
CEDAR RIVER
BLACK HAWK COUNTY
PRELIMINARY - NOT FOR CONSTRUCTION
EROSION CONTROL DETAILS 1

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DRAFTED: RG
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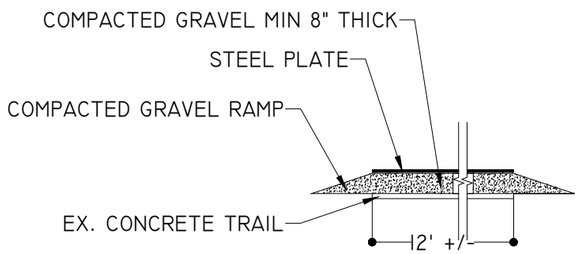
D-6

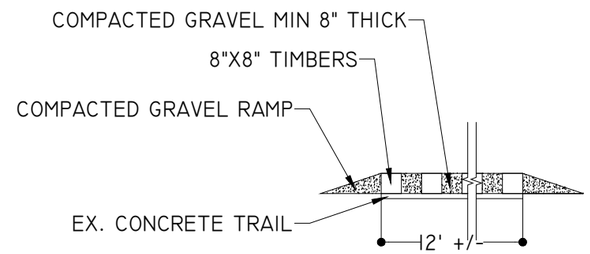
SHEET D-6

CONCRETE TRAIL PROTECTION DETAIL ALTERNATIVE
(N.T.S.)

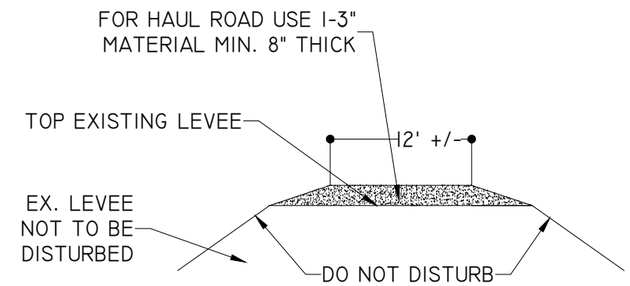


CITY REPRESENTATIVE TO COMPLETE A WALK THROUGH OF ALL EXISTING TRAILS TO NOTE AND RECORD PRE-PROJECT CONDITIONS. CONTRACTOR RESPONSIBLE FOR REMOVING ALL HAUL ROADS AND REMOVING/REPLACING INDIVIDUAL CONCRETE TRAIL PANELS. WHERE HAUL ROADS WERE LOCATED IN NATURAL AREAS. THESE AREAS TO BE UNCOMPACTED AND RESEEDED AS REQUIRED. FINAL INSPECTION TO BE COMPLETED BY THE ENGINEER. SEE SHEET L7 DETAIL 5 FOR MORE INFORMATION.

CONCRETE TRAIL PROTECTION DETAIL ALTERNATIVE
(N.T.S.)



HAUL ROAD AT LEVEE PROTECTION DETAIL
(N.T.S.)



FOR REVEGETATION SPECIFICATIONS SEE:
US ARMY CORPS OF ENGINEERS® ENGINEERING AND DESIGN GUIDELINES FOR LANDSCAPE PLANTING AND VEGETATION MANAGEMENT AT LEVEES, FLOODWALLS, EMBANKMENT DAMS, AND APPURTENANT STRUCTURES

ETL 1110-2-583 30 APRIL 2014

CONTACT CITY AND USACOE PRIOR TO CONSTRUCTING OF ANY HAUL ROADS ON THE LEVEES.

CONTRACTOR RESPONSIBLE FOR REMOVING ALL HAUL ROADS AT LEVEES AND FINAL INSPECTION FROM THE CITY AND USACOE

TRAIL PROTECTION DETAILS

Riverwise Engineering
RIVERWISE ENGINEERING, LLC
PO BOX 706
DURANGO | CO | 81302
WWW.RIVERWISE.ORG

LICENSED PROFESSIONAL ENGINEER
SHANE A. SIGLE
21199
IOWA

PROJECT OWNER:
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CEDAR FALLS, IA
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D-7

PROPERTY BOUNDARY EXHIBIT MAP

LIST OF NEIGHBORING PROPERTY OWNERS

62733
CITY OF CEDAR FALLS
220 CLAY ST
CEDAR FALLS, IA 50613

67221
CITY OF CEDAR FALLS
220 CLAY ST
CEDAR FALLS, IA 50613

67220
BROOMSTICK LODGING LLC
2706 JAMES ST
CORALVILLE, IA 52241

62731
CITY OF CEDAR FALLS
220 CLAY ST
CEDAR FALLS, IA 50613

65855
CITY OF CEDAR FALLS
220 CLAY ST
CEDAR FALLS, IA 50613

51745
CITY OF CEDAR FALLS
220 CLAY ST
CEDAR FALLS, IA 50613

51629
STATE OF IOWA
800 LINCOLN WY
AMES, IA 50010

51560
CITY OF CEDAR FALLS
220 CLAY ST
CEDAR FALLS, IA 50613

67507
CITY OF CEDAR FALLS
220 CLAY ST
CEDAR FALLS, IA 50613

64857
STATE STREET RESIDENCES II LC
300 STATE ST #110
CEDAR FALLS, IA 50613

51528
STATE OF IOWA
800 LINCOLN WY
AMES, IA 50010

13697
RIVER PLACE PROPERTIES LC
200 STATE ST 200-Z
CEDAR FALLS, IA 50613

51398
CITY OF CEDAR FALLS
220 CLAY ST
CEDAR FALLS, IA 50613

RIVERWISE
ENGINEERING, LLC
PO BOX 706
DURANGO | CO | 81302
WWW.RIVERWISE.ORG

LICENSED PROFESSIONAL ENGINEER
4/23/22
SHANE A. SIGLE
21194
IOWA

PROJECT OWNER:
CITY OF CEDAR FALLS
220 CLAY STREET
CEDAR FALLS, IA
50613

RIVER AREA & RIVERBANK IMPROVEMENTS
CEDAR RIVER
BLACK HAWK COUNTY
PRELIMINARY - NOT FOR CONSTRUCTION
PROPERTY BOUNDARY EXHIBIT MAP

REVISIONS:

NO.	DATE

DESIGNED: SS, MH, LK, RG
CHECKED: SS DRAFTED: RG
PLOT DATE: 9/23/2022

DRAWING NO.
D-8

SHEET D-8

GENERAL NOTES

CEDAR FALLS DRAFT SPECIFICATIONS

GENERAL NOTES

ENGINEERS OVERSIGHT

1. THE ENGINEER WAIVES ANY AND ALL RESPONSIBILITY AND IS NOT LIABLE FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS AND THE DESIGN INTENT THEY CONVEY OR FOR PROBLEMS WHICH ARISE FROM OTHERS OR OTHERS' FAILURE TO OBTAIN AND/OR FOLLOW THE ENGINEER'S GUIDANCE WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCIES, AMBIGUITIES OR CONFLICTS. IT IS IMPERATIVE THAT AN EXPERIENCED ENGINEER PERFORMS OBSERVATIONS ON THE RIVER RELATED ASPECTS OF THE PROJECT AND SITE CONDITIONS WILL REQUIRE CHANGES, MODIFICATIONS, AND UPDATES TO THE PLANS AND THE DESIGN INTENT THEY CONVEY.
2. ALL ELEVATIONS, DIMENSIONS, ALIGNMENTS AND ORIENTATION OF ALL ELEMENTS SHOWN IN THE PLANS MUST BE FIELD APPROVED BY THE ENGINEER APPOINTED BY THE CITY OF CEDAR FALLS, CITY OF CEDAR FALLS STAFF, AND ALIGN ARCHITECTS STAFF.
3. WORK SHALL NOT COMMENCE UNTIL AFTER THE DATE OF THE ON-SITE PRE-CONSTRUCTION MEETING WHICH WILL BE ATTENDED BY REPRESENTATIVES OF THE PROJECT OWNER, ENGINEER, CONTRACTOR AND ANY SUB-CONTRACTORS. IN THE EVENT THAT WORK DOES NOT BEGIN IMMEDIATELY FOLLOWING THE PRE-CONSTRUCTION MEETING, THE CONTRACTOR SHALL PROVIDE REPRESENTATIVES OF THE PROJECT OWNER, ENGINEER, ANY SUB-CONTRACTORS, AND RELEVANT AGENCIES NOTED IN THE PERMITS, TWO WEEKS NOTICE BEFORE CONSTRUCTION COMMENCES.
4. ALL CONSTRUCTION WORK SHALL CONFORM TO THE CITY OF CEDAR FALLS ADOPTED STATEWIDE URBAN DESIGN AND SPECIFICATIONS (SUDAS), LATEST EDITION. ROAD AND PARKING LOT CONSTRUCTION SHALL ALSO CONFORM TO LOCAL LAND USE CODE. UTILITY CONSTRUCTION SHALL CONFORM TO THE AMERICAN PUBLIC WORKS ASSOCIATION, PUBLIC WORKS CONSTRUCTION MANUAL, LATEST EDITION. STANDARD SPECIFICATIONS OF MATERIALS FOR AGGREGATES AND SOIL AGGREGATE SUB-BASE, BASE AND SURFACE COURSES SHALL BE GOVERNED BY AASHTO DESIGNATION M147-65 (1993) OR LATEST REVISION. ALL CONSTRUCTION SHALL CONFORM TO CITY AND COUNTY STANDARDS AND SPECIFICATIONS AS APPLICABLE.
5. WHENEVER THE INCLUDED DRAWINGS ARE FOUND TO BE INCONSISTENT WITH ANY OTHER RESOLUTION, ORDINANCE, CODE, REGULATION, OR OTHER STANDARDS REFERENCED, THE ENACTMENT IMPOSING THE MORE RESTRICTIVE STANDARDS OR REQUIREMENTS SHALL CONTROL.
6. THE CONTRACTOR SHALL NOT COMMENCE CONSTRUCTION WITHOUT CONSTRUCTION PLAN APPROVAL BY ALL RELEVANT AGENCIES. A COPY OF THE APPROVED PLANS SHALL BE AVAILABLE AT THE CONSTRUCTION SITE AT ALL TIMES DURING WORKING HOURS.
7. THE ENGINEER IS TO BE NOTIFIED PRIOR TO ANY PLAN CHANGES OR ON-SITE DESIGN MODIFICATIONS. ALL PLAN CHANGES MUST BE APPROVED BY THE ENGINEER.
8. ALL EXISTING TOPOGRAPHIC SURVEY DATA SHOWN ON THESE PLANS HAS BEEN OBTAINED AND CERTIFIED BY OTHERS. THE ENGINEER HAS UNDERTAKEN NO FIELD VERIFICATION OF THIS TOPOGRAPHIC INFORMATION, AND MAKES NO REPRESENTATION PERTAINING THERETO AND THEREFORE ASSUMES NO RESPONSIBILITY OR LIABILITY.
9. THE CONTRACTOR SHALL CONFINE HIS OPERATIONS TO THE CONSTRUCTION LIMITS OF THE PROJECT AND IN NO WAY SHALL ENCROACHMENT OCCUR ONTO ADJACENT PROPERTIES UNLESS LEGAL EASEMENTS ARE OBTAINED. ALL FILL AND CUT SLOPES SHALL BE SETBACK FROM THE PROPERTY LINE IN ACCORDANCE WITH CHAPTER 11 AND 18 OF THE 2021 UNIFORM BUILDING CODE. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY AGREEMENTS NECESSARY OR DAMAGE CAUSED BY CONSTRUCTION ACTIVITIES TO PUBLIC OR PRIVATE PROPERTY, INCLUDING UTILITIES.

SURVEY

1. ALL SURVEYING AND LAYOUT FOR CONSTRUCTION TO BE PROVIDED BY THE CONTRACTOR.
2. A QUALIFIED SURVEYOR SHALL VERIFY PROPOSED GRADES AND INVERT ELEVATIONS, FLOW LINES, ALIGNMENTS, SETBACKS AND TOPOGRAPHY PRIOR TO CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR COMPLETING AN AS-BUILT SURVEY, IF REQUESTED, FOLLOWING COMPLETION OF THE FINAL GRADES
4. WETLANDS DELINEATED IN THIS PLAN SET MUST BE STAKED PRIOR TO CONSTRUCTION. ONCE DELINEATED THE APPROPRIATE BMP'S SHALL BE INSTALLED AROUND THE PERIMETER FOR STABILIZATION.

UTILITIES

1. A MINIMUM OF 12 INCHES OF SEPARATION MUST BE MAINTAINED BETWEEN UTILITY LINES.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL EXISTING UTILITIES AND SHOULD NOT RELY SOLELY ON THESE CONSTRUCTION PLANS FOR UTILITY LOCATIONS. CONTRACTOR MUST COMPLETE ALL UTILITY LOCATES PRIOR TO CONSTRUCTION. LOCATES CAN BE COORDINATED WITH THE UTILITY NOTIFICATION CENTER OF IOWA (UNCC) 800-292-8989. DAMAGE TO ANY EXISTING UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.

GENERAL ENVIRONMENTAL

1. WORK SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL AGENCIES' LAWS, RULES, REGULATIONS, AND PERMITS. ALL WORK SHALL BE SUBJECT TO INSPECTIONS AND SITE INVESTIGATION BY REGULATORY AGENCIES. FAILURE TO COMPLY WITH THESE REGULATIONS IS SUBJECT TO LEGAL ENFORCEMENT ACTION.
2. COPIES OF PERMITS OBTAINED BY THE ENGINEER WILL BE PROVIDED TO THE CONTRACTOR. CONTRACTOR SHALL MAINTAIN COPIES OF ALL PERMITS ON THE SITE AT ALL TIMES. A LIST OF ALL APPLICABLE PERMITS ARE INCLUDED ON SHEET C-02.
3. A PRE-CONSTRUCTION MEETING WITH EQUIPMENT OPERATORS SHALL BE HELD TO DISCUSS THE PROJECT REQUIREMENTS AS THEY RELATE TO ENVIRONMENTAL PERMIT COMPLIANCE.
4. ON-SITE CONSTRUCTION REVIEWS SHALL BE CONDUCTED TO IDENTIFY MAINTENANCE NEEDS AND CHRONIC PROBLEMS THAT MAY BE OCCURRING. APPROPRIATE REMEDIAL ACTIONS SHALL BE IMPLEMENTED IN A TIMELY MANNER.
5. IF PREVIOUSLY UNKNOWN ARCHEOLOGICAL MATERIALS ARE DISCOVERED DURING CONSTRUCTION ACTIVITIES, WORK SHALL STOP IMMEDIATELY AND THE ENGINEER SHALL BE CONTACTED. THE STATE HISTORIC PRESERVATION OFFICE WILL THEN BE CONTACTED BY THE ENGINEER FOR CONSULTATION.

GENERAL CIVIL

1. ALL DRAINAGE PIPE FOR ROADWAY PURPOSES SHALL BE EITHER HIGH DENSITY POLYETHYLENE (HDPE) OR REINFORCED CONCRETE PIPE (RCP) WITH A MINIMUM DIAMETER OF 18-INCHES AND A MINIMUM COVER OF 12-INCHES. THE PIPE SHALL BE ABLE TO WITHSTAND AASHTO HS-20 LOADING WITH TIRE CONTACT AREA DEFINED IN AASHTO 3.30.

SEDIMENT AND POLLUTION CONTROL

1. ALL APPROPRIATE SEDIMENT AND POLLUTION CONTROL MEASURES, AND BEST MANAGEMENT PRACTICES (BMP'S) SHALL BE IN PLACE TO MINIMIZE SEDIMENTATION AND RIVERBED IMPACTS PRIOR TO INITIATING IN-RIVER / RIVERBANK WORK. SEDIMENT AND EROSION CONTROLS SHALL BE INSTALLED IN ACCORDANCE WITH THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT GUIDELINES (OR SIMILAR) AND ANY STORM WATER POLLUTION PREVENTION PLAN PROVIDED BY THE ENGINEER.
2. CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR THE DESIGN, IMPLEMENTATION AND MAINTENANCE OF SEDIMENT AND EROSION CONTROLS IN CONFORMANCE WITH CONSTRUCTION STANDARDS AND THE REQUIREMENTS OF THE REGULATORY AGENCIES THROUGHOUT THE CONSTRUCTION PERIOD. THE ENGINEER WILL NOT BE ON-SITE TO APPROVE, REVIEW, OR MAINTAIN THE CONTROLS. STORMWATER MEASURES MAY BE REQUIRED TO BE INSTALLED AT ANY TIME DURING CONSTRUCTION AT THE DIRECTION OF THE ENGINEER.
3. IN ADDITION TO CONSTRUCTION BMP'S, TEMPORARY SEDIMENT AND EROSION CONTROLS (E.G., TEMPORARY SEEDING, MULCHING, SILT FENCE, STRAW WADDLE) SHALL BE IMPLEMENTED ON ALL DISTURBED AREAS WITHIN 2-DAYS IF DISTURBED AREAS ARE TO REMAIN DORMANT FOR MORE THAN 14-DAYS. PERMANENT SOIL STABILIZATION (E.G., PERMANENT SEEDING, EROSION CONTROL FABRIC) SHALL BE IMPLEMENTED ON DISTURBED AREAS WITHIN 2-DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE PROJECT AREA.
4. SPOIL PILES SHALL BE COVERED OR OTHERWISE MANAGED TO REDUCE SEDIMENTATION. ALL MATERIAL WHICH IS TO BE PLACED AT UPLAND SITE SHALL BE DISPOSED OF IN SUCH A WAY THAT SEDIMENT RUNOFF IS CONTROLLED AND MINIMIZED.
5. CONTRACTOR SHALL NOT STORE EQUIPMENT BELOW THE ORDINARY HIGH-WATER LINE, AND TAKES FULL RESPONSIBILITY FOR ANY MATERIALS VANDALIZED, DAMAGED, BROKEN, OR LOST AS A RESULT OF RIVER EVENTS.
6. ALL FUELING OPERATIONS, LUBRICATING, HYDRAULIC TOPPING OFF, FUEL TANK PURGING, AND EQUIPMENT MAINTENANCE/REPAIRS SHALL BE PERFORMED AT AN UPLAND SITE OUTSIDE OF THE BANKS OF ANY SITE WATERWAYS AT A LOCATION TO BE DETERMINED BY THE ENGINEER. THESE ACTIVITIES SHALL TAKE PLACE ON AN APPROVED PAD WITH SPILL CONTROL/ COLLECTION DEVICES IN PLACE.
7. ALL CONSTRUCTION EQUIPMENT SHALL BE INSPECTED DAILY FOR HYDRAULIC AND FUEL LEAKS. LEAKS SHALL BE REPAIRED PRIOR TO OPERATION WITHIN THE 100-YEAR FLOODPLAIN. WHEN NOT IN USE, FUEL AND HYDRAULIC FLUIDS SHALL BE STORED AT AN UPLAND SITE OUTSIDE OF THE 100-YEAR FLOODPLAIN. EMERGENCY SPILL RESPONSE DEVICES SHALL BE ON-SITE AT ALL TIMES DURING CONSTRUCTION IN WATERWAYS AND FLOODPLAINS AND SHALL BE READY TO DEPLOY IN THE EVENT OF A SPILL.
8. NO CHEMICALS, FUELS, LUBRICANTS, BRUSH, ETC. SHALL BE DISCHARGED OR DISPOSED OF INTO OR ALONGSIDE ANY STREAM, WATERCOURSE, OR FLOODPLAIN UNDER ANY CIRCUMSTANCES.
9. LITTER AND CONSTRUCTION DEBRIS SHALL BE CONTAINED DAILY. ALL CONSTRUCTION DEBRIS AND LITTER SHALL BE COMPLETELY REMOVED OFFSITE AND DISPOSED OF PROPERLY UPON PROJECT COMPLETION.
10. CONSTRUCTION ENTRANCES SHALL BE INSTALLED AS NECESSARY TO PROVIDE ACCESS TO CONSTRUCTION AREAS FROM ALL EXISTING ROADWAYS AND PATHS TO MINIMIZE GROUND DISTURBANCE AND SEDIMENT TRACKING FROM VEHICLE TIRES. ADJACENT ROADWAYS AND PATHS SHALL BE VISUALLY INSPECTED DAILY TO ENSURE THAT SEDIMENT IS NOT BEING CARRIED OFF-SITE. IF SEDIMENT IS BEING CARRIED OFF-SITE, THE ADJACENT ROADWAYS AND PATHS SHALL BE SWEPT CLEAN DAILY.
11. BMP'S PLUS TEMPORARY SEDIMENT AND EROSION CONTROLS SHALL BE MAINTAINED TO BE FUNCTIONAL UNTIL THE SITE HAS REACHED FINAL STABILIZATION. THE PROJECT AREA SHALL BE CONSIDERED TO HAVE REACHED FINAL STABILIZATION WHEN:

A. A PERENNIAL, VEGETATIVE COVER HAS GROWN TO A 80-PERCENT DENSITY THROUGHOUT THE ENTIRE DISTURBED AREA.

B. ALL TEMPORARY SEDIMENT AND EROSION CONTROLS HAVE BEEN REMOVED AND DISPOSED OF PROPERLY.

C. ALL TRAPPED SEDIMENT HAS BEEN REMOVED AND PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION.

D. ALL CONSTRUCTION ACTIVITIES HAVE CEASED.

E. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL BMP'S PLUS TEMPORARY SEDIMENT AND EROSION CONTROLS

BEST MANAGEMENT PRACTICES (BMP'S)

1. BMP'S SUCH AS DRAINAGE CHANNELS, PERIMETER FENCING, DETENTION BASINS, AND VEHICLE TRACKING CONTROLS MUST BE INSTALLED PRIOR TO CONSTRUCTION ACTIVITIES. EFFECTIVE EROSION CONTROL REQUIRES ADAPTATION AND CHANGES DURING CONSTRUCTION THAT CANNOT BE DESIGNED OR ANTICIPATED PRIOR TO CONSTRUCTION. A QUALIFIED SUPERVISOR SHOULD CHECK ALL BMP'S REGULARLY AND NOTIFY THE ENGINEER IF THERE ARE QUESTIONS OR CONCERNS. THE ENGINEER ACCEPTS NO LIABILITY FOR THE PLACEMENT, EFFECTIVENESS, MAINTENANCE, OR CHOICE OF BMP ON THE SITE IF THE ENGINEER.
2. THE CONTRACTOR SHALL IMPLEMENT THE NECESSARY SITE EROSION CONTROL MEASURES FOR INHIBITING DUST, WIND, AND AIR SEDIMENT MOVEMENT OFFSITE DURING ALL PHASES OR STAGES OF CONSTRUCTION.
3. THE CONTRACTOR SHALL PROVIDE AN AREA TO STORE CONSTRUCTION DEBRIS WHERE IT WILL NOT BE A NUISANCE TO THE SURROUNDING NEIGHBORHOOD. ALL DEBRIS SHALL BE CONTAINED IN SUCH A MANNER THAT WILL PREVENT SCATTERING. ALL DEBRIS, INCLUDING TREES AND UNDERGROWTH SHALL BE DISPOSED OF PROPERLY. ALL DEBRIS SHALL BE REMOVED FROM THE SITE PRIOR TO FINAL SITE INSPECTION.
4. CONTRACTOR SHALL LIMIT THE AREAS OF DISTURBANCE AND COMPLETE CONSTRUCTION WITH PHASES IN MIND.
5. CONTRACTOR SHALL LIMIT DIRECTLY CONNECTED IMPERVIOUS AREAS (DCIA).
6. BUFFER STRIPS SHOULD BE USED DURING CONSTRUCTION TO LIMIT THE DCIA'S. WHEN POSSIBLE, TRANSITIONING CHANGES IN SLOPE, TERRACING LONGER SLOPES, SURFACE ROUGHENING, AND CONTOUR FURROWS SHOULD BE USED TO MINIMIZE CONSOLIDATED FLOW.
7. ANY STAGED GRADING MUST BE DONE TO DIRECT STORMWATER TOWARDS THE APPROPRIATE BMP'S.
8. DURING CONSTRUCTION, STRAW WADDLES, COMPACTED SOIL BERMS, AGGREGATE BAGS, OR SIMILAR MUST BE USED ON ALL DISTURBED SLOPES OF 3:1 AND GREATER THAN 20 FEET IN LENGTH.
9. SILT FENCING LOCATED ON THE PERIMETER OF DISTURBED AREAS SHOULD BE CHECKED ON A DAILY BASIS OR FOLLOWING SIGNIFICANT STORM EVENTS TO ENSURE IT IS WORKING PROPERLY.
10. INLET PROTECTION MUST BE INCLUDED AT ALL STORM, SEWER, AND CULVERT LINKS. APPROPRIATE BMP'S INCLUDE ROCK SOCKS, SEDIMENT CONTROL LOGS, OR SIMILAR.
11. SEDIMENT ENTRAINMENT FACILITIES SHOULD BE DESIGNED TO STORE THE APPROPRIATE VOLUME OF STORM WATER DISCHARGE BUT CONTAIN MINIMAL ADDITIONAL CAPACITY. THEY MUST BE MAINTAINED TO THE CALCULATED VOLUME AND DREDGED AS NECESSARY.

MATERIAL HANDLING

1. A LIST OF ALL POTENTIALLY TOXIC OR HAZARDOUS CHEMICALS THAT WILL BE USED OR STORED ON-SITE SHALL BE MAINTAINED WITH THE EROSION CONTROL SUPERVISOR. WARNING LABELS MUST BE ATTACHED. MATERIAL SAFETY DATA SHEETS (MSDS) AND OTHER SAFETY INFORMATION FOR A POTENTIALLY TOXIC OR HAZARDOUS SUBSTANCE MUST BE ON THE SITE WHILE THE SUBSTANCE IS USED OR STORED.
2. THE FOLLOWING MATERIALS MANAGEMENT PRACTICES MUST BE FOLLOWED:

A. THE QUANTITY OF FUEL AND LUBRICANT AT THE CONSTRUCTION SITE MUST BE MINIMIZED.

B. STRICT STORAGE PRACTICES (I.E. OFF-SITE STORAGE) ARE PREFERABLE. FUEL, HYDRAULIC OIL, AND FORM OIL MUST BE STORED OFFSITE.

C. MATERIALS STORED AT THE CONSTRUCTION SITE MUST BE PROPERLY PROTECTED FROM THE ELEMENTS.

D. MATERIALS MUST BE HANDLED IN ACCORDANCE WITH OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS AND MANUFACTURERS' INSTRUCTIONS.

E. CHEMICALS REGULATED UNDER THE COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT (CERCLA) WILL BE DOCUMENTED.

SPILL REMEDIATION PRACTICES

1. ALL CONSTRUCTION SITE PERSONNEL MUST FOLLOW SPILL PREVENTION AND CONTROL PRACTICES AS FOLLOWS:

A. THE SENIOR SAFETY MANAGER, DESIGNATED COORDINATORS, AND THE WATER QUALITY OFFICER WILL BE CONTACTED IMMEDIATELY FOLLOWING ANY SPILL. THE SENIOR SAFETY MANAGER (OR DESIGNEE) MUST IN TURN REPORT THE SPILL TO THE APPROPRIATE FEDERAL, STATE, OR LOCAL AGENCIES IN ACCORDANCE WITH APPLICABLE REGULATIONS.

B. PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE EQUIPMENT.

C. THERE MUST BE A DESIGNATED INDIVIDUAL ON THE SITE TRAINED IN THE APPROPRIATE CLEANUP PROCEDURES FOR VARIOUS TYPES OF CHEMICALS AND THE LOCATION OF INFORMATION AND CLEANUP SUPPLIES.

D. THE MSDS OF ANY MATERIAL SHOULD BE CONSULTED ON THE EVENT OF A SPILL. THE MSDS FOR ALL CHEMICALS USED ON THE SITE WILL BE KEPT ON THE SITE, AND WORKERS WILL BE REQUIRED TO REVIEW MSDS'S.

E. SPILL KITS MUST BE LOCATED ON-SITE. SUBCONTRACTORS MUST BE NOTIFIED OF THEIR LOCATION AND INSTRUCTED HOW TO USE THEM WHEN NECESSARY.

F. SPILLS MUST BE CLEANED UP PROMPTLY AFTER DISCOVERY, AND MATERIALS USED FOR CLEANUP MUST BE DISPOSED OF OFF-SITE AT AN APPROVED FACILITY.

WORK LIMITS AND LAYDOWN

1. WORK LIMITS, ACCESS, STAGING, LAYDOWN, AND STOCKPILE AREAS SHALL BE LOCATED WHERE SHOWN ON THE CONSTRUCTION DRAWINGS OR OTHERWISE AS APPROVED BY THE ENGINEER.
2. ALL CONSTRUCTION ACTIVITIES SHALL OCCUR WITHIN CURRENTLY DISTURBED AREAS TO THE EXTENT POSSIBLE.
3. DISTURBED/ EXPOSED RIVERBANKS AND STAGING AND PROJECT ACCESS AREAS SHALL BE PROPERLY STABILIZED (SEEDED, MULCHED, OR OTHERWISE) WITH NATIVE VEGETATION IMMEDIATELY AFTER GRADING TO PREVENT EROSION AND ESTABLISHMENT OF INVASIVE PLANT SPECIES.
4. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY DAMAGE TO VEGETATION OR PROPERTY OUTSIDE THE WORK LIMITS RESULTING FROM CONSTRUCTION OPERATIONS.
5. ALL AREAS TEMPORARILY DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION, SLOPES, AND ELEVATIONS, UNLESS OTHERWISE NOTED IN THE CONSTRUCTION DRAWINGS.

UTILITIES

1. THE CONTRACTOR SHALL LOCATE ALL UTILITIES WITHIN THE PROJECT AREA PRIOR TO CONSTRUCTION.
2. NO EXCAVATION SHALL OCCUR IN THE AREA SURROUNDING A UTILITY CROSSING. NO IMPROVEMENTS THAT MAY CAUSE SCOUR, ARE TO BE PLACED IN THE VICINITY OF AN AT-GRADE, ABOVE OR BELOW GRADE, UTILITY CROSSING.
3. IF UTILITIES ARE IDENTIFIED WITHIN THE PROJECT AREA, A MINIMUM BUFFER OF NO DISTURBANCE, APPROVED BY THE ENGINEER, IS TO BE MAINTAINED ON ALL UTILITY CROSSINGS.

ROCK QUALITY

1. INDIVIDUAL STONE BOULDERS SHALL BE DENSE, SOUND AND FREE FROM CRACKS, SEAMS AND OTHER DEFECTS CONDUCIVE TO ACCELERATED WEATHERING.
2. AT A MINIMUM EXPOSED ROCK SHOULD HAVE ONE FLAT SURFACE AND THIS SHOULD BE THE ONLY EXPOSED SURFACE.
3. ALL ROCK SHALL BE REVIEWED BY THE ENGINEER AND HAVE THE FOLLOWING PROPERTIES:

A. BULK SPECIFIC GRAVITY (SATURATED SURFACE-DRY BASIS) NOT LESS THAN 2.5.

B. ABSORPTION NOT MORE THAN 2% BY WEIGHT.

C. THE BULK SPECIFIC GRAVITY AND ABSORPTION SHALL BE DETERMINED BY ASTM METHOD C-127.

4. ROCK THAT FAILS TO MEET THESE REQUIREMENTS MAY BE ACCEPTED ONLY IF SIMILAR ROCK FROM THE SAME SOURCE HAS BEEN DEMONSTRATED TO BE SOUND AFTER FIVE YEARS OR MORE OF SERVICE UNDER CONDITIONS OF WEATHER, WETTING AND DRYING, AND EROSIVE FORCES SIMILAR TO THOSE ANTICIPATED. ALTERNATIVELY, NATIVE OR IMPORTED STONE, ALREADY AT THE SITE AND MEETING THE STANDARDS OUTLINED ABOVE, MAY BE USED.
5. THE ENGINEER RETAINS RIGHT OF REFUSAL FOR ANY ROCK BROUGHT TO THE SITE WHICH IS NOT SUITABLE AND DOES NOT MEET THE ABOVE CRITERIA AND/OR SHOWS EXCESSIVE WEATHERING, CRACKING OR DEFORMATION.
6. MINIMUM ROCK DIMENSIONS FOR "QUARRIED STONE" SHALL BE 2'X2'X4' FOR INSTREAM STRUCTURES. MINIMUM ROCK DIMENSIONS FOR ALL POOL ARMORING AND CRIB FILL TO BE RIP RAP WITH A D50 OF 20-INCHES.
7. ALL RIP RAP TO MEET ASTM C-535-69, AASHTO TEST 103 AND HAVE A SPECIFIC GRAVITY OF 2.65 AS WELL AS MEETING THE IOWA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS. THE ENGINEER TAKES NO RESPONSIBILITY FOR MATERIAL USED NOT MEETING THESE SPECIFICATIONS OR NOT APPROVED ON-SITE BY THE ENGINEER.

SITE PREPARATION-ROCK EXCAVATION

1. CONTRACTOR SHALL USE SUITABLE EXCAVATION TECHNIQUES THAT INCLUDE RIPPERS, STANDARD BUCKET EXCAVATION, AND HYDRAULIC BREAKERS. NO BLASTING OR EXPLOSIVES MAY BE USED WITHOUT PRIOR APPROVAL.

SITE PREPARATION- STONES PLACED IN CHANNEL

1. NO ROCK PLACEMENT SHALL OCCUR IN CHANNEL UNTIL APPROPRIATE WATER CONTROL MEASURES ARE IN PLACE (AS OUTLINED IN THE WATER CONTROL TYPICALS).
2. AFTER APPROPRIATE CUTOFF WALLS ARE IN PLACE NATIVE ALLUVIUM SHALL BE EXCAVATED TO DEPTH OF FIVE FEET. CLEAN CRIB FILL SHALL BE PLACED UP TO THE SUBGRADE ELEVATION.
3. QUARRIED STONE SHALL BE PLACED AS SHOWN ON THE DRAWINGS WITHOUT ANY GAPS, SO THAT EACH BOULDER TOUCHES THE NEXT ONE.

Riverwise Engineering

RIVERWISE
ENGINEERING, LLC
PO BOX 706
DURANGO | CO | 81302
WWW.RIVERWISE.ORG

LICENSED PROFESSIONAL ENGINEER
4/23/22
SHANE A. SIGLE
21194
IOWA

PROJECT OWNER:
CITY OF CEDAR FALLS
220 CLAY STREET
CEDAR FALLS, IA
50613

RIVER AREA & RIVERBANK IMPROVEMENTS
CEDAR RIVER BLACK HAWK COUNTY
PRELIMINARY - NOT FOR CONSTRUCTION
GENERAL NOTES 1

REVISIONS:

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D-9

SHEET D-9

GENERAL NOTES CONTINUED

4. EACH STONE SHALL BE PLACED TO THE FINAL POSITION BY SUITABLE EQUIPMENT FOR HANDLING MATERIAL AND, IF NECESSARY; THE STONE SHALL BE PICKED UP AND REPOSITIONED.
5. IT SHOULD BE ANTICIPATED THAT RE-HANDLING OF INDIVIDUAL STONES, AFTER INITIAL PLACEMENT WILL BE REQUIRED TO ACHIEVE REQUIRED SLOPES, GRADES, ELEVATIONS AND POSITION.
6. THE ENGINEER SHALL OBSERVE AND APPROVE CONTRACTOR'S METHOD FOR STONE PLACEMENT IN A REPRESENTATIVE AREA FOR EACH PROJECT COMPONENT.

SITE PREPARATION-ROCKS PLACED IN STONE TERRACING

1. ALL ROCKS PLACED AS STONE TERRACING MUST BE PLACED WITH FLAT SIDE FACING UP AND BE CLEAN OF ALL SHARP PROTRUSIONS THAT COULD CREATE A SAFETY HAZARD.
2. IT SHOULD BE ANTICIPATED THAT RE-HANDLING OF INDIVIDUAL STONES, AFTER INITIAL PLACEMENT WILL BE REQUIRED TO ACHIEVE REQUIRED SLOPES, GRADES, ELEVATIONS AND POSITION.
3. ALL PLACED ROCKS MUST BE KEYED IN 12-INCHES IN BOTH THE HORIZONTAL AND VERTICAL DIRECTIONS.
4. ALL STONE TERRACING SHALL BE PLACED WITH SUITABLE GEOTEXTILE UNDERLYING THE MATERIAL (IF INCLUDED IN THE DESIGN) AND BACKFILLED WITH CLEAN NATIVE FILL.
5. ALL PLACED STONES SHALL BE PLACED ON SUITABLE SUBGRADE APPROVED BY ENGINEER. IF UNSUITABLE SUBGRADE IS EXPERIENCED, CONTRACTOR MUST INCLUDE SUITABLE SUBGRADE MATERIAL SUCH AS ROAD BASE GRAVEL.

CONCRETE MATERIALS

1. CONCRETE SHALL CONSIST OF PORTLAND CEMENT, SAND, AND GRAVEL, THOROUGHLY MIXED WITH WATER TO PRODUCE A THICK, CREAMY CONSISTENCY. THE MINIMUM AMOUNT OF WATER SHOULD BE USED TO PREVENT EXCESS SHRINKAGE OF THE CONCRETE AFTER PLACEMENT.
2. THE AGGREGATE, FOR CONCRETE, SHALL CONSIST OF 70 PERCENT SAND AND 30 PERCENT 3/8-INCH ROCK. MAXIMUM AGGREGATE SHALL BE 3/8 INCH.
3. ALL CONCRETE SHALL BE PRODUCED FROM TYPE II PORTLAND CEMENT WITH LESS THAN 5% TRICALCIUM ALUMINATE. CONCRETE SHALL HAVE MINIMUM CEMENT CONTENT OF 7 GALLONS PER SACK.
4. STRENGTH OF THE CONCRETE SHALL BE 4,000 PSI IN 28 DAYS. THE WATER CEMENT RATIO SHALL NOT EXCEED 0.48. A STIFFER MIX SHALL BE USED FOR STEEPER APPLICATIONS. AIR ENTRAINMENT SHALL BE USED FOR STEEPER APPLICATIONS. AIR ENTRAINMENT SHALL BE 6% TO 9%, AND SLUMP SHALL BE 5-INCHES TO 9-INCHES, EXCEPT AS APPROVED OR DIRECTED. AIR ENTRAINING AGENTS SHALL CONFORM TO ASTM C260 AND WATER REDUCING AGENTS SHALL CONFORM TO ASTM C494.
5. SUBGRADE, BASE MATERIAL, AND SURFACE COURSE IS TO BE COMPACTED TO 95% STANDARD PROCTOR WITH A MOISTURE CONTENT WITHIN 2% OF OPTIMAL PER ASTM D1558 AND AASHTO T180.

COLD WEATHER PLACEMENT

1. CONTRACTOR MUST FOLLOW RECOMMENDATIONS SET IN THE AMERICAN CONCRETE INSTITUTE COMMITTEE 306 (ACI 306R-88). WHEN PLACING CONCRETE AFTER THE FIRST FROST OR WHEN THE MEAN DAILY TEMPERATURES ARE BELOW 40° F.

A. HEAT AGGREGATES AND WATER IN ORDER TO PLACE FLOW FILL AT TEMPERATURES BETWEEN 50° F AND 80° F.

B. PLACING OF CONCRETE MAY BEGIN IN MORNING BUT SHALL BE DISCONTINUED AT 3:00 PM OF SAME DAY IF FREEZING WEATHER THREATENS.

C. AFTER CONCRETE IS PLACED, PROVIDE SUFFICIENT PROTECTION SUCH AS COVER, CANVAS, FRAMEWORK, HEATING APPARATUS, ETC., TO ENCLOSE AND PROTECT FLOW FILL AND MAINTAIN TEMPERATURE OF 70° F FOR 3 DAYS OR 50° F FOR 5 DAYS AFTER PLACING.

D. IF FLAKING OR SPAWLING IS FOUND, THAT PORTION OF THE CONCRETE DID NOT APPROPRIATELY CURE AND WILL BE RE-DONE AT THE EXPENSE OF THE CONTRACTOR.

E. IF IN THE OPINION OF OWNER'S REPRESENTATIVE PROTECTION IS NOT ADEQUATE, CEASE PLACEMENT UNTIL CONDITIONS OR PROCEDURES ARE SATISFACTORY TO OWNER'S REPRESENTATIVE.

GROUT MATERIALS

1. THE MIXTURE WILL USE PORTLAND CEMENT: TYPE I/TYPE II AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM SPECIFICATION C150.
2. FLY ASH: CLASS FOR C AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM C618. GROUND GRANULATED BLAST FURNACE SLAG (GGBFS): SHALL CONFORM TO THE REQUIREMENTS OF ASTM C989.
3. COARSE AGGREGATE: NORMAL-WEIGHT AGGREGATE THAT SHALL CONFORM TO THE REQUIREMENTS OF ASTM C33. MAXIMUM AGGREGATE SIZE: 1-INCH DIAMETER. COARSE AGGREGATE MAY BE REDUCED TO 3/8-INCH DIAMETER PEASTONE TO PROMOTE PUMPABILITY, PROVIDED THE REQUIRED COMPRESSIVE STRENGTH CAN BE ACHIEVED.
4. FINE AGGREGATE: NORMAL-WEIGHT AGGREGATE THAT SHALL CONFORM TO THE REQUIREMENTS OF ASTM C33. FINE AGGREGATE SHALL BE NON-REACTIVE TO ALKALINITY FROM THE CEMENT-BASED GROUT.
5. WATER: SHALL BE POTABLE AND CONFORM TO THE REQUIREMENTS OF ASTM C94.
6. AIR-ENTRAINMENT: SHALL CONFORM TO THE REQUIREMENTS OF ASTM C260.
7. ADMIXTURES: SHALL BE USED FOR ADJUSTING FLOW AND WORKABILITY, AS REQUIRED, AND COULD CONSIST OF WATER-REDUCERS, RETARDERS, PLASTICIZERS, SUPERPLASTICIZERS, OR NONCHLORIDE ACCELERATORS. ALL ADMIXTURES SHALL CONFORM TO THE REQUIREMENTS OF ASTM C494 AND ASTM C1017 AS APPLICABLE
8. THE CONTRACTOR IS REQUIRED TO FINISH ALL GROUT WITHIN THE INSTREAM STRUCTURES AND TERRACING USING THE FOLLOWING TECHNIQUE:
   - 8.1. FOLLOWING INITIAL PLACEMENT OF GROUT, A TROWEL WILL BE USED TO REMOVE ALL SPILLED, SPLATTERED, AND DUMPED MATERIAL FROM ROCK FACES AND EXPOSED SURFACES.
   - 8.2. ONCE THE MATERIAL HAS BEEN REMOVED BY A TROWEL, ALL SURFACES ARE TO BE TROWEL FINISHED AND SMOOTHED.
   - 8.3. FOLLOWING TROWEL WORK, WET BROOMS AND BRUSHES ARE TO BE USED IN COMBINATION WITH BUCKETS OF WATER TO CLEAN ALL EXPOSED SURFACES AND TRANSITIONS FROM ROCK TO GROUT WITH THE INTENTION OF MAKING THE GROUT BLEND WITH THE ENVIRONMENT.

GROUT MIX

1. DESIGN MIXTURE FOR GROUT SHALL BE PROPORTIONED ON THE BASIS OF LABORATORY TRIAL MIXTURE OR FIELD TEST DATA IN ACCORDANCE WITH ACI 301.
2. MAXIMUM FLY ASH CONTENT: 25 PERCENT.
3. MAXIMUM GGBFS CONTENT: 25 PERCENT.
4. GROUT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS.
5. MAXIMUM WATER-CEMENT RATIO: 0.55
6. MINIMUM CEMENT CONTENT: 517 POUNDS PER CUBIC YARD.
7. MINIMUM SLUMP: 5 INCHES.
8. MAXIMUM SLUMP: 9 INCHES.
9. ENTRAINED AIR-CONTENT: 3 TO 5 PERCENT.

GROUT MIXING AND PLACEMENT

1. MEASURE, BATCH, MIX, AND DELIVER GROUT ACCORDING TO ASTM C94. USE ADMIXTURES ACCORDING TO THE MANUFACTURERS' WRITTEN INSTRUCTIONS.
2. THE CONTRACTOR MAY SUBMIT MIX ADJUSTMENTS TO THE DESIGNER FOR THEIR REVIEW AND APPROVAL WHEN CIRCUMSTANCES SUCH AS CHANGED PROJECT CONDITIONS, UNFAVORABLE WEATHER, OR UNFAVORABLE RESULTS OCCUR. INCLUDE NECESSARY SUPPORTING DOCUMENTS (LABORATORY AND/OR FIELD TEST DATA) WITH ANY MIX ADJUSTMENT REQUESTS. MIX ADJUSTMENTS, IF ACCEPTABLE TO THE DESIGNER, SHALL BE PERFORMED AT NO ADDITIONAL EXPENSE TO THE OWNER.
3. THE MIXER, WHEN OPERATING AT CAPACITY, SHALL BE CAPABLE OF COMBINING THE INGREDIENTS OF THE GROUT MIX INTO A THOROUGHLY MIXED AND UNIFORM MASS, AND OF DISCHARGING THE MIX WITH A SATISFACTORY DEGREE OF UNIFORMITY. THE MIXER SHALL BE OPERATED WITHIN THE LIMITS OF THE MANUFACTURER'S GUARANTEED CAPACITY AND SPEED OF ROTATION.
4. IF REQUIRED TO PROMOTE PUMP-ABILITY, UP TO 20 GALLONS OF POTABLE WATER PER FULL (10CY) LOAD (OR PROPORTIONED ACCORDINGLY) MAY BE ADDED (AND THOROUGHLY MIXED) ONSITE. ADDING WATER TO THE MIX ON-SITE (IF REQUIRED) MUST OCCUR WITHIN 60 MINUTES OF THE TIME OF BATCHING. ALL REQUIREMENTS FOR THE GROUT MIX, AS STATED IN THIS SPECIFICATION, APPLY REGARDLESS OF WHETHER OR NOT WATER IS ADDED ON-SITE.
5. THE TIME INTERVAL BETWEEN GROUT BATCHING AND PLACEMENT SHALL BE 90 MINUTES. OR, THIS REQUIREMENT MAY BE WAIVED IF, AFTER 90 MINUTES, THE GROUT CAN STILL BE PLACED WITHOUT ADDING WATER (TO REDUCE SLUMP) TO THE BATCH. FIELD PACKS OF WATER REDUCING ADMIXTURES MAY BE ADDED TO THE BATCH TO INCREASE SLUMP/WORKABILITY. MAXIMUM TIME INTERVAL, REGARDLESS OF SLUMP, SHALL BE 180 MINUTES. FOR AIR TEMPERATURE GREATER THAN 80 DEGREES, MAXIMUM TIME INTERVAL SHALL BE REDUCED TO 120 MINUTES. FOR AIR TEMPERATURE GREATER THAN 90 DEGREES, MAXIMUM TIME INTERVAL SHALL BE REDUCED TO 90 MINUTES.
6. IN ANY CASE, GROUT SHALL BE CONVEYED FROM THE MIXER TO THE FINAL PLACEMENT AS RAPIDLY AS PRACTICABLE BY METHODS THAT WILL PREVENT SEGREGATION OF THE AGGREGATES AND/OR LOSS OF CEMENTOUS MATERIALS.
7. GROUT MIX SHALL NOT BE ALLOWED TO FREE FALL MORE THAN FIVE (5) FEET UNLESS SUITABLE EQUIPMENT IS USED TO PREVENT SEGREGATION.
8. THE GROUT MIX SHALL NOT BE PLACED UNTIL THE AFFECTED AREA HAS BEEN INSPECTED AND APPROVED BY THE DESIGNER FOR THE PLACEMENT OF GROUT.
9. GROUT MIX SHALL NOT BE PLACED WHEN THE DAILY AVERAGE TEMPERATURE IS LESS THAN 40 F UNLESS FACILITIES ARE PROVIDED TO ENSURE THAT THE TEMPERATURE OF THE MATERIALS IS MAINTAINED AT A MINIMUM TEMPERATURE OF 50 F AND NOT MORE THAN 90 F DURING PLACEMENT AND THE CURING PERIOD.
10. GROUT MIX SHALL NOT BE PLACED ON FROZEN SURFACES. AT A MINIMUM, GROUT MIX SHALL NOT BE ALLOWED TO FREEZE FOR THE INITIAL 24 HOURS AFTER PLACEMENT.
11. FOR HOT WEATHER PLACEMENT, COMPLY WITH ACI 305.1 (SPECIFICATION FOR HOT WEATHER CONCRETING).
12. FOLLOW DESIGNER SPECIFICATIONS FOR SUBGRADE PREPARATION, GROUT PLACEMENT AND FINISHING, CURING, AND CLEAN-UP. SPECIFICALLY, FILL VOIDS ALONG UPSTREAM AND DOWNSTREAM TOE WITH GROUT. ALL ROCK TO BE CLEAN AND SWEPT AFTER GROUTING.
13. AFTER COMPLETION OF ANY GROUT PLACEMENT, NO INDIVIDUALS OR EQUIPMENT SHALL BE PERMITTED ON THE GROUTED SURFACE FOR A PERIOD OF TWENTY-FOUR (24) HOURS. THE GROUTED SURFACE SHALL BE PROTECTED FROM INJURIOUS ACTION BY THE SUN, RAIN, FLOWING WATER, MECHANICAL INJURY, OR OTHER POTENTIAL DAMAGING ACTIVITY.

GROUT AND CONCRETE PLACEMENT

1. GROUT SHALL BE PUMPED INTO VOIDS AS DIRECTED BY THE ENGINEER.
2. ALL GROUT IN "WING" AND "ISLAND" SHOULD BE HELD BACK 4-6 INCHES.
3. ALL EXPOSED VISIBLE GROUT SHALL BE SMOOTHED WITH TROWEL OR BRUSHED FINISH, EVEN IN VOID SPACES.
4. ALL VOIDS IN EXCESS OF 3" IN DIAMETER SHALL BE VIBRATED.
5. AT COMPLETION OF GROUT PLACEMENT ALL ROCK SHOULD BE CLEANED OF GROUT AND GROUT RESIDUE. SMALL BRUSHES HAVE BEEN PROVEN TO BE THE MOST EFFECTIVE TECHNIQUE FOR REMOVING CONCRETE GROUT RESIDUE.
6. GROUT SHALL NOT BE PLACED UNLESS APPROPRIATE WATER CONTROL MEASURES ARE IN PLACE.
7. FOLLOWING COMPLETION OF GROUT PLACEMENT, THE WORK AREA SHOULD BE FLOODED TO ENSURE OPTIMAL CURING TIME. THE WORK AREA SHALL BE ISOLATED TO ENSURE THERE IS NO CONTACT WITH THE LIVE RIVER. THE STATIC WATER LEVEL IN THE WORK AREA SHOULD EQUAL THE WATER LEVEL IN THE LIVE RIVER.
8. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND CITY REPRESENTATIVE A MINIMUM OF 48 HOURS PRIOR TO THE PLACEMENT OF CONCRETE OR GROUT. THE ENGINEER MUST APPROVE THE FORM WORK AND REINFORCEMENT PRIOR TO PLACEMENT OF CONCRETE OR GROUT.
9. ALL SAW CUT JOINTS MUST BE COMPLETED WITHIN 24 HOURS OF CONCRETE PLACEMENT. ANY CONCRETE SAWN AFTER THIS 24-HOUR PERIOD, WHICH IN THE OPINION OF THE OWNER'S REPRESENTATIVE HAS EXCESSIVE SHRINKAGE CRACKS, SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.

INSPECTING AND TESTING FRESH GROUT

1. THE GROUT MATERIAL SHALL BE CHECKED AND TESTED THROUGHOUT THE GROUTING OPERATION AT THE CONTRACTOR'S EXPENSE. SAMPLING OF FRESH GROUT SHALL BE CONDUCTED IN CONFORMANCE WITH ASTM C172. FIELD TESTING WILL BE DETERMINED BY METHODS PRESCRIBED IN ASTM C138. AT A MINIMUM, FIELD TESTING SHALL INCLUDE SLUMP, AIR CONTENT, UNIT WEIGHT, TEMPERATURE, AND COMPRESSIVE STRENGTH CYLINDERS (1 7D, 2 28D, AND 1 HOLD CYLINDER). A MINIMUM OF ONE SET OF TEST CYLINDERS SHALL BE CAST FOR EVERY 50 CUBIC YARDS OF GROUT PLACED.
2. THE ENGINEER SHALL HAVE FREE ACCESS TO ALL PARTS OF THE CONTRACTOR'S PLANT AND EQUIPMENT UTILIZED FOR MIXING AND PLACING GROUT DURING THE PERIOD OF THE CONTRACT. PROPER FACILITIES SHALL BE PROVIDED FOR THE ENGINEER TO SAMPLE MATERIALS AND VIEW PROCESSES IMPLEMENTED IN THE MIXING AND PLACING OF GROUT AS WELL AS FOR SECURING GROUT TEST SAMPLES. ALL TESTS AND INSPECTIONS SHALL BE SO CONDUCTED AS A MINIMUM OF INTERFERENCE TO THE CONTRACTOR'S OPERATION OCCURS.
3. FOR READY-MIXED GROUT, THE CONTRACTOR SHALL FURNISH TO THE ENGINEER A STATEMENT OF DELIVERY TICKET FOR EACH BATCH DELIVERED TO THE SITE. THE TICKET SHALL PROVIDE AS A MINIMUM: WEIGHTS IN POUNDS OF CEMENT, AGGREGATES (FINE AND COARSE), WATER; WEIGHT IN OUNCES OF AIR-ENTRAINING AGENT; TIME OF LOADING; AND, THE REVOLUTION COUNTER READING AT THE TIME BATCHING WAS STARTED.

REVEGETATION NOTES

1. ANY REVEGETATION OR PLANTING SHALL OCCUR WITHIN THE APPROPRIATE PLANTING WINDOWS AND IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. THIS TIMEFRAME SHOULD NOT EXCEED 14 DAYS AFTER COMPLETION OF FINAL GRADES.
2. SEEDING SHOULD FOLLOW SUDAS SECTION 9010 - SEEDING.
3. USE SUDAS TYPE 4 (TABLE 9010.09) SEEDING FOR EROSION CONTROL WHERE PRE-APPROVED BY ENGINEER.
4. USE SUDAS TYPE 1 (TABLE 9010.06) SEEDING FOR PERMANENT LAWNS WHERE PRE-APPROVED BY ENGINEER.
5. ALL SUITABLE TOPSOIL SHALL BE STOCKPILED DURING CONSTRUCTION AND PLACED WITHIN THE SEEDED AREAS IN MINIMUM 3-INCH DEPTHS.
6. CONTRACTOR SHALL MAINTAIN ALL PLANT MATERIAL IN A VIABLE CONDITION UP TO THE TIME OF PLANTING AND SHALL NOT PLANT DEAD, DISEASED, OR DAMAGED PLANTS OR SEEDS.

WATER CONTROL

1. CONTRACTOR SHALL PREPARE A DEWATERING PLAN TO BE APPROVED BY THE ENGINEER AND CITY REPRESENTATIVE PRIOR TO COMMENCEMENT OF ANY DEWATERING ACTIVITIES. ALL DEWATERING DISCHARGES MUST BE FILTERED TO REMOVE EXCESSIVE SEDIMENTS AND MUST BE DISCHARGED ONTO AN ENERGY-DISSIPATION DEVICE (E.G., PLUNGE POOL, SPLASH PUP, CONCRETE WEIGHT, OR EQUIVALENT) PRIOR TO DISCHARGE INTO ANY SURFACE WATER. FISH OR MUSSELS TRAPPED IN THE DRY AREA MUST BE PROPERLY RELOCATED TO A DOWNSTREAM SECTION OF THE RIVER BY A DESIGNATED/QUALIFIED INDIVIDUAL.
2. STEPS SHALL BE EMPLOYED THROUGHOUT THE COURSE OF THE PROJECT TO AVOID THE CREATION OF EXCESSIVE TURBIDITY WHICH MAY DEGRADE WATER QUALITY OR ADVERSELY AFFECT AQUATIC LIFE.
3. NO WASTEWATER SHALL BE DISCHARGED INTO THE RIVER.
4. PRIOR TO CREATION OF COFFERDAMS OR DIVERTING WATER IN ANY MANNER, THE CONTRACTOR MUST REVIEW ALL RELEVANT PERMIT CONDITIONS AND INFORM THE ENGINEER OF THEIR TIMING, METHODS, AND TECHNIQUES FOR WATER CONTROL.
5. THE WATERWAY MAY EXPERIENCE FLOODING AND CHANGES IN WATER LEVEL AT ANY TIME. IT IS THE CONTRACTORS RESPONSIBILITY TO MONITOR AND ANTICIPATE CHANGES AND PLAN ACCORDINGLY. ANY DAMAGE, LOSSES, PERMIT CONDITION VIOLATIONS, ETC. AS A RESULT OF FLOODING IN THE WATERWAY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
6. ANY COFFERDAM FAILURE MUST BE REPORTED TO THE ENGINEER AND CITY REPRESENTATIVE IMMEDIATELY.
7. UNLESS PRIOR APPROVAL HAS BEEN GRANTED, THE CONTRACTOR MUST ONLY CONSTRUCT AND WORK WITHIN ONE COFFERDAM AT A TIME.

EMERGENCY PLANNING

1. CONTRACTOR SHALL CREATE AND HOLD ON FILE AN EMERGENCY ACTION PLAN. THAT PLAN MUST INCLUDE CONTACT NUMBERS FOR ALL UTILITIES LOCATED WITHIN THE PROJECT SITE, IN ADDITION TO PHONE NUMBERS FOR ALL PERMIT AGENCY PROJECT MANAGERS.
2. THE ENGINEER AND THE OWNER MUST BE NOTIFIED IMMEDIATELY FOLLOWING AN EMERGENCY SITUATION.
3. THE CONTRACTOR MUST BE WELL VERSED IN THE FLOOD CONTINGENCY PLAN AND ACTION STEPS WITHIN THE PLAN.

OTHER

1. IN THE EVENT AN ITEM IS NOT COVERED IN THE SPECIFICATIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND CITY REPRESENTATIVE, AND THEY MUST APPROVE ANY ADDITIONS OR MODIFICATIONS TO THE SPECIFICATIONS.
2. ALL WASTE MATERIAL AND/OR EXCESS EXCAVATION NOT USED AS PART OF THE WORK SHALL BE REMOVED FROM THE JOB SITE AND DISPOSED OF AT ACCEPTABLE LOCATIONS IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
3. THE CONTRACTOR AT ALL TIMES DURING CONSTRUCTION SHALL PROVIDE WARNING SIGNS, BARRICADES, AND OTHER SAFETY DEVICES (INCLUDING TEMPORARY FENCING AROUND THE JOB SITE) TO PROTECT PUBLIC SAFETY AND HEALTH IN COMPLIANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

Riverwise Engineering
RIVERWISE ENGINEERING, LLC
PO BOX 706
DURANGO | CO | 81302
WWW.RIVERWISE.ORG

LICENSED PROFESSIONAL ENGINEER
4/23/22
SHANE A. SIGLE
21194
IOWA

PROJECT OWNER:
CITY OF CEDAR FALLS
220 CLAY STREET
CEDAR FALLS, IA
50613

RIVER AREA & RIVERBANK IMPROVEMENTS
CEDAR RIVER BLACK HAWK COUNTY
PRELIMINARY - NOT FOR CONSTRUCTION
GENERAL NOTES 2

REVISIONS:

NO.	DATE
#	

DESIGNED: SS, MH, LK, RG
CHECKED: SS DRAFTED: RG
PLOT DATE: 9/23/2022

DRAWING NO.
D-10

SHEET D-10

GENERAL NOTES CONTINUED

NOTES FROM THE CITY OF CEDAR FALLS

1. THE CONTRACTOR SHALL PREPARE A DETAILED SCHEDULE OF WORK WHICH SHALL BE SUBMITTED AT THE PRECONSTRUCTION CONFERENCE. THE SCHEDULE SHALL SHOW ANTICIPATED EQUIPMENT AND MATERAIL DELIVERIES AND COMPLETION OF MAJOR TASKS IN THE PROJECT.

2. DURING CONSTRUCTION OF THIS PROJECT, THE CONTRACTOR SHALL BE REQUIRED TO COORDINATE THEIR OPERATIONS WITH THOSE OF OTHER CONTRACTORS WORKING WITHIN THE SAME AREA.

3. THE CONTRACTOR SHALL NOT DISTURB AREAS OUTSIDE THE CONSTRUCTION LIMITS. THE CONTRACTOR WILL NOT BE PERMITTED TO PARK, SERVICE VEHICLES AND EQUIPMENT, OR USE THESE AREAS FOR STORAGE OF MATERIALS.

4. THE CONTRACTOR SHALL PLACE 6 INCHES OF TOPSOIL OVER ALL SODDING AND SEEDING AREAS DISTURBED BY THE CONSTRUCTION OF THIS PROJECT. ANY HYDRO MULCHING FOR WINTER STABILIZATION FOR DISTURBED AREAS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

5. CONTRACTOR SHALL MAINTAIN SERVICE CONNECTIONS DURING CONSTRUCTION.

6. CONTRACTOR SHALL USE TESTING EQUIPMENT AND PROCEDURES THAT ARE ACCEPTABLE TO THE ENGINEER.

7. CONTRACTOR IS RESPONSIBLE FOR MAKING SURE THAT TRUCKS TRAVELING TO AND FROM THE PROJECT SITE ARE IN GOOD WORKING ORDER AND DO NOT DROP MATERIAL ONTO THE STREET.

8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL STREETS ADJACENT TO THE PROJECT ARE CLEAN AND FREE OF MUD AND DEBRIS GENERATED FROM THE PROJECT. THIS INCLUDES CLEANING OF THE STREETS AT THE END OF EACH DAY'S WORK AND BEFORE AN ANTICIPATED RAIN EVENT, TO PREVENT MUD AND DEBRIS FROM ENTERING THE STORM SEWER SYSTEM.

9. THE CONTRACTOR SHALL APPLY NECESSARY MOISTURE TO THE CONSTRUCTION AREA AND HAUL ROADS AT THE DIRECTION OF THE ENGINEER TO PREVENT THE SPREAD OF DUST.

10. THE CONTRACTOR SHALL VERIFY ALL GRADES, LINES, LEVELS AND DIMENSIONS AS SHOWN ON THE PLANS AND SHALL REPORT ANY ERRORS OR INCONSISTENCIES TO THE ENGINEER PRIOR TO COMMENCING WORK.

11. PRIOR TO OPENING AN EXCAVATION, EFFORT SHALL BE MADE TO DETERMINE WHETHER UNDERGROUND INSTALLATIONS, I.E. , SEWER, WATER, FUEL, ELECTRIC LINES, ETC., WILL BE ENCOUNTERED AND, IF SO, WHERE SUCH UNDERGROUND INSTALLATIONS ARE LOCATED. WHEN THE EXCAVATION APPROACHES THE APPROXIMATE LOCATIONS OF SUCH AN INSTALLATION, CAREFUL PROBING OR HAND DIGGING SHALL DETERMINE THE EXACT LOCATIONS, AND WHEN IT IS UNCOVERED, ADEQUATE PROTECTION SHALL BE PROVIDED FOR THE EXISTING INSTALLATION. ALL KNOWN OWNERS OF UNDERGROUND FACILITIES IN THE AREA CONCERNED SHALL BE ADVISED OF PROPOSED WORK AT LEAST 48 HOURS PRIOR TO THE START OF ACTUAL EXCAVATION.

12. PART VI OF THE " MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) 2009, SHALL APPLY. THE CONTRACTOR SHALL FURNISH ALL NECESSARY TRAFFIC CONTROL DEVICES AND THE COST SHALL BE INCIDENTAL TO THE TRAFFIC CONTROL ITEM ON THIS PROJECT. ALL BARRICADES AND TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MOST CURRENT " MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND LATEST SUPPLEMENTALS TO THE STANDARD SPECIFICATION.S

13. ORANGE MESH SAFETY FENCE SHALL MEET THE REQUIREMENTS OF SECTION 2518.02 AND SECTION 4188.03 OF THE I.D.O.T . SPECIFICATIONS.

14. IT IS THE CONTRACTOR' S RESPONSIBILITY TO MAINTAIN EXISTING STORM AND SANITARY SEWER SYSTEMS IN AN OPEN AND FUNCTIONING CONDITION DURING ALL PHASES OF CONSTRUCTION. COSTS ASSOCIATED WITH MAINTAINING EXISTING SYSTEMS INCLUDING CLEANING, REMOVING DEBRIS AND REPAIRS RESULTING FROM THE CONTRACTOR'S OPERATIONS WILL BE THE CONTRACTOR'S Responsibility. MATERIAL STOCKPILES SHALL NOT BLOCK DRAINAGE FLOW

15. SUBMIT PAVEMENT MIX DESIGN FOR ENGINEER APPROVAL.

16. THE CONTRACTOR SHALL BE IN COMPLIANCE WITH THE STORM WATER POLLUTION PREVENTION PLAN SWPPP AT ALL TIMES

17. THE URBAN STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS (SUDAS), 2022 EDITION AND THE CURRENT CITY OF CEDAR FALLS SUPPLEMENTAL SPECIFICATIONS TO SUDAS SPECIFICATIONS, SHALL APPLY TO THE CONSTRUCTION WORK PERFORMED UPON THIS PROJECT.

18. CONTRACTOR SHALL PROVIDE A PORTABLE TOILET AT EACH STAGING AREA.

Riverwise Engineering

RIVERWISE
ENGINEERING, LLC
PO BOX 706
DURANGO | CO | 81302
WWW.RIVERWISE.ORG

LICENSED PROFESSIONAL ENGINEER
4/23/22
SHANE A. SIGLE
21194
IOWA

PROJECT OWNER:
CITY OF CEDAR FALLS
220 CLAY STREET
CEDAR FALLS, IA
50613

RIVER AREA & RIVERBANK IMPROVEMENTS
CEDAR RIVER
BLACK HAWK COUNTY
PRELIMINARY - NOT FOR CONSTRUCTION
GENERAL NOTES 3

REVISIONS:

NO.	DATE
#	

DESIGNED: SS, MH, LK, RG
CHECKED: SS
DRAFTED: RG
PLOT DATE: 9/23/2022

DRAWING NO.

D-11

SHEET D-11

PROJECT SPECIFICATIONS
FOR
RECREATIONAL RIVER AREA AND RIVERBANK IMPROVEMENTS
PROJECT

Project MC-038-3290
EDA Award No.: 05-79-06164
Cedar Falls, Iowa
October 2022

ENGINEER'S CERTIFICATION

PROFESSIONAL ENGINEER
LICENSED
DAVID A. WICKE 25684
IOWA

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

SIGNED: _____ DATE: 8/26/2022

DAVID A. WICKE, P.E. IA. LIC. NO. 25684

MY LICENSE RENEWAL DATE IS DECEMBER 31, 2022

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DIVISION 3 – Standard Specifications

The City of Cedar Falls has adopted the 2022 Edition of the STATEWIDE URBAN STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS (SUDAS) as the City's Standard Specification.

This Standard Specification is amended by the "City of Cedar Falls" Supplemental Specifications to the 2022 Edition of SUDAS.

Links to both documents can be found on the City's website at:
www.cedarfalls.com/designstandards

DIVISION 4 – Supplemental Plans and Specifications

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NOTICE OF PUBLIC HEARING ON PLANS, SPECIFICATIONS, FORM OF CONTRACT, AND ESTIMATE OF COST FOR THE RECREATIONAL RIVER AREA AND RIVERBANK IMPROVEMENTS PROJECT IN THE CITY OF CEDAR FALLS, IOWA

TO ALL TAXPAYERS OF THE CITY OF CEDAR FALLS, IOWA, AND OTHER PERSONS INTERESTED:

Public notice is hereby given that the City Council of the City of Cedar Falls, Iowa, will conduct a Public Hearing on Plans, Specifications, Form of Contract, and Estimated Total Cost for the construction of the RECREATIONAL RIVER AREA AND RIVERBANK IMPROVEMENTS PROJECT in said City at 7:00 p.m. on the 7th day of November 2022, said meeting to be held in the Council Chambers in the City Hall, 220 Clay Street, Cedar Falls, Iowa.

Said Plans, Specifications, Form of Contract, and Estimated Total Cost are now on file in the office of the City Clerk in the City Hall in Cedar Falls, Iowa, and may be inspected by any persons interested.

Any person interested may appear at said meeting of the City Council for the purpose of making objections to said Plans, Specifications, Contract, or Estimated Total Cost of making said improvement.

This notice given by order of the City Council of the City of Cedar Falls, Iowa.

City of Cedar Falls, Iowa

By: _____

Jacqueline Danielsen, MMC

City Clerk

NOTICE TO BIDDERS
CITY OF CEDAR FALLS PUBLIC IMPROVEMENTS PROJECT
RECREATIONAL RIVER AREA AND RIVERBANK IMPROVEMENTS PROJECT

Time and Place for Filing Sealed Proposals: Proposals will only be accepted electronically on the Quest CDN website before 2:00 p.m. on the 11th day of November, 2022.

Pre-Bid Meeting: Prospective bidders are required to attend a pre-bid meeting at 3pm on November 4th, 2022 at Gateway Park adjacent to the Cedar River in downtown Cedar Falls. The meeting will take approximately 2 hours and prospective bidders should have a copy of the bid documents and drawings for discussion and questions. All bidders must sign in and any bid submitted without an authorized representative signing in during the meeting shall be deemed incomplete and unacceptable.

Time and Place Sealed Proposals will be Opened and Considered: Sealed proposals will be publicly opened online at 2:00 p.m. on the 11th day of November, 2022, at www.questcdn.com, for consideration by the City of Cedar Falls City Council at its meeting at 7:00 PM on the 21st of November, 2022, or at such later time and place as may be fixed. The City of Cedar Falls reserves the right to reject any and all proposals including without limitation, nonconforming, nonresponsive, unbalanced, or conditional bids.

Time for Commencement and Completion of Work: The work under the proposed contract shall commence within ten (10) calendar days after the date set forth in the written Notice to Proceed and shall be performed regularly and diligently throughout the duration of the project. Contractor shall reach substantial completion no later than October 6, 2023 and shall fully complete close-out of the project no later than November 17, 2023. In addition, certain structures shall be completed within the calendar days specified in the plans. Calendar days allotted for specific closures within certain trails shall apply only to each individual trail. Liquidated damages in the amount of $1000 per calendar day shall be assessed for each calendar day that work remains uncompleted after the completion date.

Bid Security: Each Form of Proposal shall be accompanied by a bid security as defined in the Instructions to Bidders- Division 1 Section 05. A scanned copy of the Bid Bond must be included with the online bid submitted at www.questcdn.com.

Performance and Payment Bonds: The successful Bidder shall furnish to the City a performance bond in an amount equal to one hundred percent (100%) of the contract price, guaranteeing faithful performance of the contract and guaranteeing the completed project against defective workmanship and materials for a period of two (2) years from and after completion and acceptance by the City. The successful Bidder shall also provide a payment bond in an amount equal to one hundred percent (100%) of the contract price guaranteeing payment of all persons supplying labor and materials, or both, in the execution of the work provided for in the contract.

Contract Documents: The contract documents are available at www.cedarfalls.com/QuestCDN and www.questCDN.com. This contract is QuestCDN project number **8280099**. A contractor may view the contract documents at no cost prior to deciding to become a Planholder. To be considered a Planholder for bids, a contractor must register with QuestCDN.com. Registering as a planholder is recommended for all prime contractors and subcontractors as Planholders will receive automatic notice of addenda and other contract document updates via QuestCDN. Contact QuestCDN

Customer Support at (952)233-1632 or info@questcdn.com for assistance in membership registration, downloading digital project information and vBid online bid submittal questions. Bids will only be received and accepted via the online electronic bid service through QuestCDN.com. To access the electronic bid form, download the project documents and click on the online bid button at the top of the bid advertisement page. Prospective bidders must be on the Planholder list through QuestCDN for bids to be accepted.

Downloading electronic contract documents is strongly encouraged, but hard copies of the project documents may be obtained from the City of Cedar Falls, 220 Clay Street, Cedar Falls, IA 50613 at no cost. Those desiring to obtain hard copies must make an appointment to pick up the documents by calling 319-268-5161 and ask for Melissa Malone. No drop-ins will be allowed.

If any prospective bidder is in doubt as the true meaning of any parts of the contract documents, the bidder may request an interpretation from the Engineer, in writing, through email. Questions received less than five (5) days prior to the date for opening bids may not be answered.

Contact individuals shall be as follows:

Matthew Tolan, EI
Engineering Division
220 Clay Street
Cedar Falls, Iowa
matthew.tolan@cedarfalls.com

Any interpretation of the contract documents will be made in writing and only by addendum with online notification given to bidders. Only questions answered by Addenda will be binding. Oral and other interpretations or clarifications will be without legal effect. Addenda may be issued to clarify, correct or change the contract documents as deemed advisable by the City of Cedar Falls or the Engineer of record.

Preference for Iowa Products and Labor: By virtue of statutory authority, a preference will be given to products and provisions grown and coal produced within the State of Iowa.

In accordance with Iowa statues, a resident bidder shall be allowed a preference as against a nonresident bidder from a state or foreign country if that state or foreign country give or requires any preference to bidders from that state or foreign country, including but not limited to any preference to bidders, the imposition of any type of labor force preference, or any other form of preferential treatment to bidders or laborers from the at state or foreign country. The preferences allowed shall be equal to the preference given or required by the state or foreign country in which the nonresident bidder is a resident. In the instance of a resident labor force preference, a nonresident bidder shall apply the same resident labor force preference to a public improvement in this state as would be required in the construction of a public improvement by the state or foreign country in which the nonresident bidder is a resident.

Failure to submit a fully completed Bidder Status Form with the bid may result in the bid being deemed nonresponsive and rejected.

Preference for Iowa Products and Labor: By virtue of statutory authority, a preference will be given to products and provisions grown and coal produced within the State of Iowa.

In accordance with Iowa statutes, a resident bidder shall be allowed a preference as against a nonresident bidder from a state or foreign country if that state or foreign country gives or requires any preference to bidders from that state or foreign country, including but not limited to any preference to bidders, the imposition of any type of labor force preference, or any other form of preferential treatment to bidders or laborers from that state or foreign country. The preference allowed shall be equal to the preference given or required by the state or foreign country in which the nonresident bidder is a resident. In the instance of a resident labor force preference, a nonresident bidder shall apply the same resident labor force preference to a public improvement in this state as would be required in the construction of a public improvement by the state or foreign country in which the nonresident bidder is a resident.

Failure to submit a fully completed Bidder Status Form with the bid may result in the bid being deemed nonresponsive and rejected.

Sales Tax: Contractors and approved subcontractors will be provided a Sales Tax Exemption Certification to purchase building materials, supplies or equipment to be used in the performance of this project. Products utilized in the construction of this project shall be exempt from tax as provided by Code of Iowa Sections 423.2 and 423.45.

Project Description: This project involves the construction of seven instream structures and upland improvements within, and on the banks, of the Cedar River in Cedar Falls, Iowa

EDA Funded: The project to which the construction work covered by this contract pertains is being assisted by the United States of America through federal assistance provided by the U.S. Department of Commerce- Economic Development Administration (EDA). Neither EDA, nor any of its department, entities, or employees is party to this contract. Therefore, this project is subject to federal labor standard requirements, including Davis Bacon-Act (federal prevailing wage requirements for laborers and mechanics on site). Bidders should submit completed and signed Lobbying Certification and Restriction Form (CD-512), Requirement for Affirmative Action (EEO), EDA Contracting Provisions for Construction Project, and EDA Construction Site Sign Specifications.

Federal Participation Disclosure: This project will be partially funded with Federal funds from the United States department of Commerce. Economic Development Administration and therefore is subject to the federal laws and regulations associated with that program.

Published upon order of the City Council of Cedar Falls, Iowa.

CITY OF CEDAR FALLS, IOWA
BY: _____
Jacqueline Danielsen, MMC
City Clerk

DIVISION I – Instructions to Bidders

The work comprising the **RECREATIONAL RIVER AREA AND RIVERBANK IMPROVEMENTS PROJECT** shall be constructed in accordance with the 2022 Edition of SUDAS and as further modified by the City of Cedar Falls' Supplemental Specifications and the special provision included in the contract documents. The terms used in the contract revision of the documents are defined in said Standard Specifications.
Before submitting your bid, please review the requirements of "Division One, General Provisions and Covenants", in particular the sections regarding proposal requirements, bonding, contract execution, and insurance requirements. Please be certain that all documents have been completed properly; as failure to complete and sign all documents and to comply with the requirements listed below can cause your bid not to be read.

01 Definition and Terms

Add the following to Standard Specification Section 1010 – 1.03:

Code of Iowa: The latest edition of the Code of Iowa

Engineer: The City Engineer of Cedar Falls, Iowa or an authorized representative from Riverwise Engineering, LLC (RWE) or Align Architecture and Planning (ALIGN).

Owner: The City of Cedar Falls, Iowa acting through its City Council.

Project: **RECREATIONAL RIVER AREA AND RIVERBANK IMPROVEMENTS PROJECT**
Project MC-038-3290

02 Qualification of the Bidder

Add the following to Standard Specification Section 1020 – 1.01:

To demonstrate bidder's qualifications to perform the work, within five days of the Owners request, bidder shall submit written evidence such as may be called for below:

The address and description of the bidder's place of business; The number of years engaged in the contracting business under the present firm name, and the name of the state where incorporated; A list of the property and equipment available to the bidder to evaluate if the bidder can complete the work in accordance with the bidding documents; A financial statement of the bidder showing that the bidder has the financial resources to meet all obligations incidental to the work; The bidder's performance record giving the description, location, and telephone number of three (3) similar projects constructed in a satisfactory manner by the bidder; the similar projects should include water control associated with instream structures such as recreational structures, habitat structures, bridges, piles, and abutments. A list of projects presently under contract, the approximate contract amount and the percent of completion of each; A list of contracts which resulted in

lawsuits; A list of contracts defaulted; A statement of the bidder indicating whether or not the bidder has ever filed bankruptcy while performing work of a like nature or magnitude; A list of officers of the firm who, while in the employ of the firm or the employ of previous firms, were associated with contracts which resulted in lawsuits, contracts defaulted or filed for bankruptcy; The technical experience of personnel guaranteed to be employed in responsible charge of the work stating whether the personnel have or have not performed satisfactorily on other contracts of like nature and magnitude or comparable difficulty at similar rate of progress; Such additional information as will assist the Owner in determining whether the bidder is adequately prepared to fulfill the contract. Owner's decision as to qualifications of the bidder will be final.

The Owner hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color or national origin in consideration for an award.

03 Contents of the Proposal Forms

Add the following to Standard Specification Section 1020 – 1.02:

Plans, specifications, and proposal forms may be obtained from www.questcdn.com or from the office of the City Engineer. Plans, specifications, and proposal forms have been approved by the City Council and are now on file for public examination in the office of the City Clerk.

04 Taxes

Add the following to Standard Specification Section 1020 – 1.08:

Contractors and approved subcontractors will be provided a Sales Tax Exemption Certification to purchase building materials, supplies or equipment to be used in the performance of this project. Products utilized in the construction of this project will be exempt from tax as provided by Code of Iowa Sections 423.2 and 423.45.

05 Submission of the Proposal, Identity of Bidder and Bid Security

Add the following to Standard Specification Section 1020 – 1.12:

The bid security must be in the minimum amount of 10% of the total bid amount including all add alternates (do not deduct the amount of deduct alternates). The bid security shall be in the form of a cashier's check or certified check drawn on a state-chartered or federally chartered bank, or a certified share draft drawn on a state-chartered or federally chartered credit union, or a bidder's bond with corporate surety satisfactory to the City. The bid bond must be submitted on the enclosed Bid Bond form, as no other bid bond forms are acceptable. All signatures on the bid bond must be original signatures in ink; facsimile (fax) of any signature on the bid bond is not acceptable. Bid security other than said bid bond

shall be made payable to City Clerk of the City of Cedar Falls".

"Miscellaneous Bank checks", as well as "Money Orders" and "Traveler's Checks" issued by persons, firms or corporations licensed under Code of Iowa Chapter 533B are not acceptable bid security.

The bid shall be submitted on the Form of Proposal included herewith or on a computer printed proposal. All entries on this proposal shall be filled in ink, typed or computer printed. The bidder shall not alter the quantity, unit price or the extension that has been provided for items that have been predetermined by the contracting authority.

If the proposal is computer generated, the bidder shall submit a form titled as "Form of Proposal," followed by: the project name, project number, the City of Cedar Falls, Iowa and the bidder's name. The form shall then include the item numbers, item descriptions, and units and their quantities. The bidder shall specify a unit price in figures of dollars and cents for all pay items, the extensions for the respective unit prices and quantities in figures in a column provided for the purpose, and the total amount of the proposal obtained by adding the amounts of the several items. The form shall then conclude with the bidder's name, that of its representative and the representative's signature.

Proposals will only be accepted electronically on the Quest CDN website before 2:00 p.m. on the 11th day of November, 2022. The QuestCDN eBid Doc# is 8280099.

FORM OF PROPOSAL
RECREATIONAL RIVER AREA AND RIVERBANK IMPROVEMENTS
PROJECT NO. MC-038-3290
CITY OF CEDAR FALLS, IOWA

To the Mayor and City Council
City of Cedar Falls, Iowa

The undersigned hereby certifies that _____ have personally and carefully examined the specifications and form of contract annexed hereto. Having made such examination, the undersigned hereby proposes to construct the improvements for the **RECREATIONAL RIVER AREA AND RIVERBANK IMPROVEMENTS PROJECT** in accordance with the plans and specifications on file in the office of the City Clerk, the published Notice to Bidders and the Form of Contract, herewith, complying with all the laws of the State of Iowa, and the Rules, Regulations and Ordinances of the City of Cedar Falls, and to the satisfaction of the City Council of the City of Cedar Falls, Iowa, including the guaranteeing of this Project for a period of two (2) years from the date of final acceptance thereof at the following prices, to-wit:

Item No.	Description	Estimated Quantity	Unit	Unit Price		Amount	
				Dollars	Cents	Dollars	Cents
1	Mobilization	1	Lump Sum				
2	Clearing and Grubbing	2	ACRE				
3	Conventional Seeding, Seeding, Fertilizing, and Mulching	2.8	Acres				
4	SWPPP Management	1	LS				
5	Straw Waddle, 9", 25 ft. Length	300	Lin. Ft.				
6	Silt Fencing	1500	Lin. Ft.				
7	Stabilized Construction Entrance	1157	SY				
8	Chain Link Fence, Galvanized 11.5 Gauge Type, 72" Size	1500	Lin. Ft.				
9	Temporary Fencing, Orange Plastic 10MIL	300	Lin. Ft.				
10	Cofferdam Installation and Removal	1	Lump Sum				

11	Construction Survey	1	Lump Sum				
12	As-Built Construction Survey	1	Lump Sum				
13	Trail Replacement, Shared Use Path, PCC, 6" thick	3422	SY				
14	Concrete Washout	2	Each				
15	River Right Access Road	1	Lump Sum				
16	Boulder Fill: Includes excavation/fill, placement, grouting (Paid Separately), and backfill.	166	Tons				
17	Boulder Fill Grouting: Includes preparation, grouting of voids, and cleaning. Grout fill assumed to be 50% of Boulder Fill voids.	77	Cubic Yards Concrete				
18	Concrete - low flow	35	Cubic Yards Concrete				
19	Subgrade - Clean angular 3-8" cobble	498	Tons				
20	Boulder Fill: Includes excavation/fill, placement, grouting (Paid Separately), and backfill.	249	Tons				
21	Boulder Fill Grouting: Includes preparation, grouting of voids, and cleaning. Grout fill assumed to be 50% of Boulder Fill voids.	115	Cubic Yards Concrete				
22	Concrete- low flow	22	Cubic Yards Concrete				
23	Subgrade - Clean angular 3-8" cobble	371	Tons				
24	Boulder Fill: Includes excavation/fill, placement, grouting (Paid Separately), and backfill.	98	Tons				
25	Boulder Fill Grouting: Includes preparation, grouting of voids, and cleaning. Grout fill assumed to be 50% of Boulder Fill voids.	45	Cubic Yards Concrete				
26	Concrete- low flow	35	Cubic Yards Concrete				
27	Subgrade - Clean angular 3-8" cobble	98	Tons				
28	Boulder Fill: Includes excavation/fill, placement, grouting (Paid Separately), and backfill.	200	Tons				
29	Boulder Fill Grouting: Includes preparation, grouting of voids, and cleaning. Grout fill assumed to be 50% of Boulder Fill voids.	93	Cubic Yards Concrete				
30	Concrete- low flow	28	Cubic Yards Concrete				
31	Subgrade - Clean angular 3-8" cobble	948	Tons				
32	Boulder Fill: Includes excavation/fill, placement, grouting (Paid Separately), and backfill.	312	Tons				

33	Boulder Fill Grouting: Includes preparation, grouting of voids, and cleaning. Grout fill assumed to be 50% of Boulder Fill voids.	145	Cubic Yards Concrete				
34	Subgrade - Clean angular 3-8" cobble	648	Tons				
35	Boulder Fill: Includes excavation/fill, placement, grouting (Paid Separately), and backfill.	243	Tons				
36	Boulder Fill Grouting: Includes preparation, grouting of voids, and cleaning. Grout fill assumed to be 50% of Boulder Fill voids.	108	Cubic Yards Concrete				
37	Concrete- low flow	115	Cubic Yards Concrete				
38	Concrete Demolition and Shaping	1	Lump Sum				
39	Subgrade - Clean angular 3-8" cobble	1140	Tons				
40	Boulder Fill: Includes excavation/fill, placement, grouting (Paid Separately), and backfill.	68	Cubic Yards Grouted Rock				
41	Boulder Fill Grouting: Includes preparation, grouting of voids, and cleaning. Grout fill assumed to be 50% of Boulder Fill voids.	31	Cubic Yards Concrete				
42	Concrete- low flow	28	Cubic Yards Concrete				
43	Subgrade - Clean angular 3-8" cobble	203	Tons				
44	Large Random Boulders, 7' Diameter	23	Each				
45	Miscellaneous Equipment Hours	200	Hours				
46	Item Deleted from Bid Tabulation	---	---	---	---	---	---
47	Clearing and grubbing Concrete/Rebar River Clean Up	25	Cubic yards				
48	Class 13 excavation River Left	220	Cubic Yards				
49	Class 13 excavation River Left	175	Cubic Yards				
50	6' wide x 6" depth concrete walkways and patios	927	SY				
51	Special Concrete-stained and stamped	83	SY				
52	Lower Terrace Concrete - special (Turtle)	114	SY				
53	Concrete expansion joints and dowels	20	Each				
54	Stone Bank Reinforcements	1218	Tons				
55	Specialty Stone @ Upper Plaza	200	Tons				
56	Parking lot Painting	2	Each				
57	Signage	9	Each				
58	Planting Trees, Shrubs & Lawns	1	Lump Sum				
59	Item Deleted from Bid Tabulation	---	---	---	---	---	---

Alt. No 1	Remove Riprap and Replace with Boulder Fill	1507	Tons				
Alt. No. 2	Boulder Fill Grouting: Includes preparation, grouting of voids, and cleaning. Grout fill assumed to be 50% of Boulder Fill voids. Item shall be used in conjunction with Alt. No 1	742	Cubic Yards Concrete				
Alt. No. 3	Lighting at Trees and Main Street Bridge	1	Lump Sum				
Alt. No. 4	Lighting at 1st Street Bridge	1	Lump Sum				
Alt. No. 5	Shower	1	Lump Sum				
Alt. No. 6	Irrigation	1	Lump Sum				
Alt. No 7	Concrete Mowbands	231	Lin. Ft.				
Alt. No. 8	Benches	2	Each				
Total Base Bid (Items No. 1 –59)							
Total Bid Including Alternates No. 1 – 8							

Bidders may not independently bid on selective items of work. In this project, all items constitute one indivisible work that will be let to one bidder. Bids shall be submitted for all of the items. The successful bidder will be determined by evaluating the Total Bid shown above. Failure to submit a bid on any item shall be just cause for disqualification of the entire proposal. Unit bids must be filled in ink, typed or computer generated, or the bid will be rejected. The Owner reserves the right to delete any part or all of any item.

The Owner reserves the right to reject any and all bids, including without limitation, nonconforming, nonresponsive, unbalanced, or conditional bids. The Owner further reserves the right to reject the bid of any bidder whom it finds, after reasonable inquiry and evaluation, to be non-responsible. The Owner may also reject the bid of any bidder if the Owner believes that it would not be in the best interest of the project to make an award to that bidder. The Owner also reserves the right to waive all informalities not involving price, time or changes in the work.

If written notice of approval of award is mailed, telegraphed or delivered to the undersigned within thirty (30) calendar days after the opening thereof, or any time thereafter before this bid is withdrawn, the undersigned agrees to execute and deliver an agreement in the prescribed form and furnish the required bond within ten (10) calendar days after the Contract is presented to the Contractor for signature, and start work within ten (10) calendar days after the date as set forth in the written Notice to Proceed.

Bid Security in the sum of _____ in the form of _____, is submitted herewith in accordance with the Instructions to Bidders.

The bidder is prepared to submit a financial and experience statement upon request.

The bidder has received the following Addendum or Addenda:

Addendum No. _____ Date _____
_____ _____
_____ _____

The bidder has filled in all blanks on this Proposal.

Note: The Penalty for making false statements in offers is prescribed in 18 U.S.A., Section 1001.

Name of bidder

_____ _____
By

_____ _____
Official Address Title

BID BOND

KNOW ALL MEN BY THESE PRESENTS, that we, _____ _____, as Principal, and _____ as Surety are held and firmly bound unto the City of Cedar Falls, Iowa, as Obligee, hereinafter called "OBLIGEE," In the penal sum of_____ Dollars ($_____) lawful money of the United States, for the payment of which sum will and truly be made, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally, firmly by these presents. Whereas the Principal has submitted the accompanying bid dated the _____ day of_____, 20_____, for _____ _____.

NOW THEREFORE,

(a) If said Bid shall be rejected, or in the alternate,

(b) If said Bid shall be accepted and the Principal shall execute and deliver a contract in the form specified and shall furnish a bond for the faithful performance of said contract, and for the payment of all persons performing labor or furnishing materials in connection therewith, and shall in all other respects perform the agreement created by the acceptance of said Bid,

Then this obligation shall be void, otherwise the same shall remain in force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as herein stated.

By virtue of statutory authority, the full amount of this bid bond shall be forfeited to the Obligee in liquidation of damages sustained in the event that the Principal fails to execute the contract and provide the bond as provided in the specifications or by law.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no way impaired or affected by any extension of the time within which the Obligee may accept such Bid or execute such contract; and said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the Principal and the Surety, have hereunto set their hands and seals, and such of them as are corporations, have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers this _____ day of _____, A.D., 20_____.

_____ (Seal)
Principal

_____ By_____ (Title)
Witness

_____ (Seal)
Surety

_____ By_____
Witness Attorney-in-fact

Bidder Status Form

To be completed by all bidders — Part A

Please answer "Yes" or "No" for each of the following:

☐ Yes ☐ No My company is authorized to transact business in Iowa.
(To help you determine if your company is authorized, please review the worksheet on the next page).

☐ Yes ☐ No My company has an office to transact business in Iowa.

☐ Yes ☐ No My company's office in Iowa is suitable for more than receiving mail, telephone calls, and e-mail.

☐ Yes ☐ No My company has been conducting business in Iowa for at least 3 years prior to the first request for bids on this project.

☐ Yes ☐ No My company is not a subsidiary of another business entity or my company is a subsidiary of another business entity that would qualify as a resident bidder in Iowa.

If you answered "Yes" for each question above, your company qualifies as a resident bidder. Please complete Parts B and D of this form.

If you answered "No" to one or more questions above, your company is a nonresident bidder. Please complete Parts C and D of this form.

To be completed by resident bidders — Part B

My company has maintained offices in Iowa during the past 3 years at the following addresses:

Dates: _____ /_____ /_____ to _____/_____/_____ Address: _____

City, State, Zip: _____

Dates: _____ /_____ /_____ to _____/_____/_____ Address: _____

City, State, Zip: _____

Dates: _____ /_____ /_____ to _____/_____/_____ Address: _____

You may attach additional sheet(s) if needed. City, State, Zip: _____

To be completed by non-resident bidders — Part C

1. Name of home state or foreign country reported to the Iowa Secretary of State:

_____

2. Does your company's home state or foreign country offer preferences to bidders who are residents? ☐ Yes ☐ No

3. If you answered "Yes" to question 2, identify each preference offered by your company's home state or foreign country and the appropriate legal citation.

_____

_____

You may attach additional sheet(s) if needed.

To be completed by all bidders — Part D

I certify that the statements made on this document are true and complete to the best of my knowledge and I know that my failure to provide accurate and truthful information may be a reason to reject my bid.

Firm Name: _____

Signature: _____ Date: _____

You must submit the completed form to the governmental body requesting bids per 875 Iowa Administrative Code Chapter 156.
This form has been approved by the Iowa Labor Commissioner.

309-6001 02-14

Worksheet: Authorization to Transact Business

This worksheet may be used to help complete Part A of the Resident Bidder Status form. If at least one of the following describes your business, you are authorized to transact business in Iowa.

☐ Yes ☐ No — My business is currently registered as a contractor with the Iowa Division of Labor.

☐ Yes ☐ No — My business is a sole proprietorship and I am an Iowa resident for Iowa income tax purposes.

☐ Yes ☐ No — My business is a general partnership or joint venture. More than 50 percent of the general partners or joint venture parties are residents of Iowa for Iowa income tax purposes.

☐ Yes ☐ No — My business is an active corporation with the Iowa Secretary of State and has paid all fees required by the Secretary of State, has filed its most recent biennial report, and has not filed articles of dissolution.

☐ Yes ☐ No — My business is a corporation whose articles of incorporation are filed in a state other than Iowa, the corporation has received a certificate of authority from the Iowa secretary of state, has filed its most recent biennial report with the secretary of state, and has neither received a certificate of withdrawal from the secretary of state nor had its authority revoked.

☐ Yes ☐ No — My business is a limited liability partnership which has filed a statement of qualification in this state and the statement has not been canceled.

☐ Yes ☐ No — My business is a limited liability partnership which has filed a statement of qualification in a state other than Iowa, has filed a statement of foreign qualification in Iowa and a statement of cancellation has not been filed.

☐ Yes ☐ No — My business is a limited partnership or limited liability limited partnership which has filed a certificate of limited partnership in this state, and has not filed a statement of termination.

☐ Yes ☐ No — My business is a limited partnership or a limited liability limited partnership whose certificate of limited partnership is filed in a state other than Iowa, the limited partnership or limited liability limited partnership has received notification from the Iowa secretary of state that the application for certificate of authority has been approved and no notice of cancellation has been filed by the limited partnership or the limited liability limited partnership.

☐ Yes ☐ No — My business is a limited liability company whose certificate of organization is filed in Iowa and has not filed a statement of termination.

☐ Yes ☐ No — My business is a limited liability company whose certificate of organization is filed in a state other than Iowa, has received a certificate of authority to transact business in Iowa and the certificate has not been revoked or canceled.

309-6001 02-14

NON-COLLUSION AFFIDAVIT OF PRIME BIDDER
PROJECT NO. MC-038-3290

STATE OF _____
ss
COUNTY OF _____

_____, being first duly sworn, deposes and says that:

(1) We are _____ of _____
(Owner, partner, officer, representative, or agent)

_____, the Bidder that has submitted the attached bid:

(2) We are fully informed respecting the preparation and contents of the attached bid and of all pertinent circumstances respecting such bid:

(3) Such bid is genuine and is not a collusive or sham bid:

(4) Neither the said Bidder nor any of its officers, partners, Owners, agents, representatives, employees or parties in interest, including this affiant, has in any way colluded, conspired, connived or agreed, directly or indirectly, with any other Bidder, firm or person to submit a collusive or sham bid in connection with the Contract for which the attached bid has been submitted or to refrain from bidding in connection with such Contract, or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Bidder, firm or person to fix the price or prices in the attached bid or of any other Bidder, or, to fix any overhead, profit or cost element of the bid price of any other Bidder, or to secure through any collusion, conspiracy, connivance, or unlawful agreement any advantage against the City of Cedar Falls, Iowa, or any person interested in the proposed Contract; and

(5) The price or prices quoted in the attached bid are fair and proper and are not tainted by a collusion, conspiracy, connivance or unlawful agreement on the part of the Bidder or any of its agents, representatives, Owners, employees or parties in interest, including this affiant.

_____
Signed

_____
Title

Subscribed and sworn to before me

this _____ day of _____, 20_____

_____

_____
Title

My Commission expires _____.

FORM OF CONTRACT

This Contract entered into in quadruplicate at Cedar Falls, Iowa, this ____ day of _____, 2022, by and between the City of Cedar Falls, Iowa, hereinafter called the Owner, and_____ of _____, hereinafter called the Contractor. WITNESSETH:

The Contractor hereby agrees to furnish all labor, tools, materials and equipment and construct the public improvement consisting of: **RECREATIONAL RIVER AREA AND RIVERBANK IMPROVEMENTS PROJECT,** project number MC-038-3290 all in the City of Cedar Falls, Iowa, ordered to be constructed by the City Council of the City of Cedar Falls, Iowa, by Resolution duly passed on the 17th day of October, 2022, and shown and described in the Plans and Specifications therefore now on file with the City Clerk of said City.

Said improvement shall be constructed strictly in accordance with said Plans and Specifications.

The following parts of the Plans and Specifications for said Project No. MC-038-3290 attached hereto shall be made a part of this contract as fully as though set out herein verbatim:

a. Resolution ordering construction of the improvement
b. Plans
c. Notice of Public Hearing on Plans and Specifications
d. Notice to Bidders
e. Instructions to Bidders
f. Supplemental Conditions
g. Project Specifications
h. Form of Proposal
i. Performance, Payment, and Maintenance Bond
j. Form of Contract
k. Non-collusion Affidavit of Prime Bidder

l. Bidders Status Form

In Witness whereof, this Contract has been executed in quadruplicate on the date first herein written.

_____
Contractor

CITY OF CEDAR FALLS, IOWA

By_____
Robert M. Green, Mayor

Attest: _____
Jacqueline Danielsen, MMC
City Clerk

Performance, Payment and Maintenance Bond

SURETY BOND NO. _____

KNOW ALL BY THESE PRESENTS:

That we, _____, as Principal (hereinafter the "Contractor" or "Principal" and _____ as Surety are held and firmly bound unto CITY OF CEDAR FALLS, IOWA, as Obligee (hereinafter referred to as "the Owner"), and to all persons who may be injured by any breach of any of the conditions of this Bond in the penal sum of _____ ($_____), lawful money of the United States, for the payment of which sum, well and truly to be made, we bind ourselves, our heirs, legal representatives and assigns, jointly or severally, firmly by these presents.

The conditions of the above obligations are such that whereas said Contractor entered into a contract with the Owner, bearing date the _____ day of _____, 2022, hereinafter the "Contract") wherein said Contractor undertakes and agrees to construct the following described improvements:

RECREATIONAL RIVER AREA AND RIVERBANK IMPROVEMENTS PROJECT
Project Number MC-038-3290

and to faithfully perform all the terms and requirements of said Contract within the time therein specified, in a good and workmanlike manner, and in accordance with the Contract Documents.

It is expressly understood and agreed by the Contractor and Surety in this bond that the following provisions are a part of this Bond and are binding upon said Contractor and Surety, to-wit:

1. PERFORMANCE: The Contractor shall well and faithfully observe, perform, fulfill, and abide by each and every covenant, condition, and part of said Contract and Contract Documents, by reference made a part hereof, for the above referenced improvements, and shall indemnify and save harmless the Owner from all outlay and expense incurred by the Owner by reason of the Contractor's default or failure to perform as required. The Contractor shall also be responsible for the default or failure to perform as required under the Contract and Contract Documents by all its subcontractors, suppliers, agents, or employees furnishing materials or providing labor in the performance of the Contract.

2. PAYMENT: The Contractor and the Surety on this Bond hereby agreed to pay all just claims submitted by persons, firms, subcontractors, and corporations furnishing materials for or performing labor in the performance of the Contract on account of which this Bond is given, including but not limited to claims for all amounts due for labor, materials, lubricants, oil, gasoline, repairs on machinery, equipment, and tools, consumed or used by the Contractor or any subcontractor, wherein the same are not satisfied out of the portion of the contract price the Owner is required to retain until completion of the improvement, but the Contractor and Surety shall not be liable to said persons, firms, or corporations unless the claims of said claimants against said portion of the contract price shall have been established as provided by law. The Contractor and Surety hereby bind themselves to the obligations and conditions set forth in Chapter 573 of the Iowa Code, which by this reference is made a part hereof as though fully set out herein.

3. MAINTENANCE: The Contractor and the Surety on this Bond hereby agree, at their own expense:

A. To remedy any and all defects that may develop in or result from work to be performed under the Contract within the period of 2 year (s) from the date of acceptance of the work under the Contract, by reason of defects in workmanship or materials used in construction of said work;

B. To keep all work in continuous good repair; and

C. To pay the Owner's reasonable costs of monitoring and inspection to assure that any defects are remedied, and to repay the Owner all outlay and expense incurred as a result of Contractor's and Surety's failure to remedy any defect as required by this section.

Contractor's and Surety's agreement herein made extends to defects in workmanship or materials not discovered or known to the Owner at the time such work was accepted.

4. GENERAL: Every Surety on this Bond shall be deemed and held bound, any contract to the contrary notwithstanding, to the following provisions:

A. To consent without notice to any extension of time to the Contractor in which to perform the Contract;

B. To consent without notice to any change in the Contract or Contract Documents, which thereby increases the total contract price and the penal sum of this bond, provided that all such changes do not, in the aggregate, involve an increase of more than 20% of the total contract price, and that this bond shall then be released as to such excess increase; and

C. To consent without notice that this Bond shall remain in full force and effect until the Contract is completed, whether completed within the specified contract period, within an extension thereof, or within a period of time after the contract period has elapsed and the liquidated damage penalty is being charged against the Contractor.

The Contractor and every Surety on the bond shall be deemed and held bound, any contract to the contrary notwithstanding, to the following provisions:

D. That no provision of this Bond or of any other contract shall be valid that limits to less than five years after the acceptance of the work under the Contract the right to sue on this Bond.

E. That as used herein, the phrase "all outlay and expense" is not to be limited in any way, but shall include the actual and reasonable costs and expenses incurred by the Owner including interest, benefits, and overhead where applicable. Accordingly, "all outlay and expense" would include but not be limited to all contract or employee expense, all equipment usage or rental, materials, testing, outside experts, attorney's fees (including overhead expenses of the Owner's staff attorneys), and all costs and expenses of litigation as they are incurred by the Owner. It is intended the Contractor and Surety will defend and indemnify the Owner on all claims made against the Owner on account of Contractor's failure to perform as required in the Contract and Contract Documents, that all agreements and promises set forth in the Contract and Contract Documents, in approved change orders, and in this Bond will be fulfilled, and that the Owner will be fully indemnified so that it will be put into the position it would have been in had the Contract been performed in the first instance as required.

In the event the Owner incurs any "outlay and expense" in defending itself against any claim as to which the Contractor or Surety should have provided the defense, or in the enforcement of the promises given by the Contractor in the Contract, Contract Documents, or approved change orders, or in the enforcement of the promises given by the Contractor and Surety in this Bond, the Contractor and Surety agree that they will make the Owner whole for all such outlay and expense, provided that the Surety's obligation under this bond shall not exceed 125% of the penal sum of this bond.

In the event that any actions or proceedings are initiated regarding this Bond, the parties agree that the venue thereof shall be in the Iowa District Court for Black Hawk County, State of Iowa. If legal action is required by the Owner to enforce the provisions of this Bond or to collect the monetary obligation incurring to the benefit of the Owner, the Contractor and the Surety agree, jointly, and severally, to pay the Owner all outlay and expense incurred therefor by the Owner. All rights, powers, and remedies of the Owner hereunder shall be cumulative and not alternative and shall be in addition to all rights, powers, and remedies given to the Owner, by law. The Owner may proceed against surety for any amount guaranteed hereunder whether action is brought against the Contractor or whether Contractor is joined in any such action(s) or not.

NOW THEREFORE, the condition of this obligation is such that if said Principal shall faithfully perform all the promises of the Principal, as set forth and provided in the Contract, in the Contract Documents, and in this Bond, then this obligation shall be null and void, otherwise it shall remain in full force and effect.

When a work, term, or phrase is used in this Bond, it shall be interpreted or construed first as defined in this Bond, the Contract, or the Contract Documents; second, if not defined in the Bond, Contract, or Contract Documents, it shall be interpreted or construed as defined in applicable provisions of the Iowa Code; third, if not defined in the Iowa Code, it shall be interpreted or construed according to its generally accepted meaning in the construction industry; and fourth, if it has no generally accepted meaning in the construction industry, it shall be interpreted or construed according to its common or customary usage.

Failure to specify or particularize shall not exclude terms or provisions not mentioned and shall not limit liability hereunder. The Contract and Contract Documents are hereby made a part of this Bond.

Project No. MC-038-3290

Witness our hands, in triplicate, this _____ day of _____, 2022.

Surety Countersigned By:

_____
Signature of Agent

_____
Printed Name of Agent

_____
Company Name

_____
Company Address

_____
City, State, Zip Code

_____
Company Telephone Number

PRINCIPAL:

_____
Contractor

By: _____
Signature

_____
Title

SURETY:

_____
Surety Company

By: _____
Signature Attorney-in-Fact Officer

_____
Printed Name of Attorney-in-Fact Officer

_____
Company Name

_____
Company Address

_____
City, State, Zip Code

_____
Company Telephone Number

FORM APPROVED BY:

_____
Attorney for Owner

NOTE:

1. All signatures on this performance, payment, and maintenance bond must be original signatures in ink; copies, facsimile, or electronic signatures will not be accepted.
2. This bond must be sealed with the Surety's raised, embossing seal.
3. The Certificate or Power of Attorney accompanying this bond must be valid on its face and sealed with the Surety's raised, embossing seal.
4. The name and signature of the Surety's Attorney-in-Fact/Officer entered on this bond must be exactly as listed on the Certificate or Power of Attorney accompanying this bond.

NOTICE TO PROCEED

To: _____ Date: 12/19/2022
_____
_____

Project: RECREATIONAL RIVER AREA AND RIVERBANK IMPROVEMENTS PROJECT; MC-038-3290; Cedar Falls, Iowa

You are herby notified to commence WORK in accordance with the Agreement dated _____, 2022, within ten (10) calendar days of _____, 2022 and you are to complete the WORK as follows: furnish all labor, material, and equipment necessary for construction of the **RECREATIONAL RIVER AREA AND RIVERBANK IMPROVEMENTS PROJECT**

The work under the proposed contract shall commence within ten (10) calendar days after the date set forth in this written Notice to Proceed and shall be performed regularly and diligently through the duration of the project.

Milestone No. 1:
In river work as indicated on the project plans shall be substantially completed by March 15, 2023. In river work not completed by this milestone No. 1 date will be assessed liquidated damages in the amount of one thousand five hundred ($1,500) dollars per calendar day for each day in river work is incomplete.

Liquidated damages in the amount of one thousand ($1,500) dollars per calendar day will be assessed for each calendar day for each Structure that is not substantially complete after the expiration of the contract time set forth. Liquidated damages in the amount of one thousand ($1,500) dollars per calendar day will be assessed for each calendar day that any work remains uncompleted after October 6, 2023 (substantial completion) regardless of the status of previous projects. Substantial completion shall mean that the stages are fully open to the general public with minor work (e.g. watering) to be completed without requiring closures. Contractor shall reach substantial completion no later than October 6, 2023 (291 calendar days per EDA) and shall fully complete the close-out process no later than November 17, 2023 (333 calendar days per EDA). If remaining punchlist items remain after November 17, 2023, liquidated damages will go into effect in the amount of one thousand ($1,500.00) dollars per calendar day until completed.

City of Cedar Falls, Iowa
Owner
By: _____
Title: _____

DIVISION 2 – Special Provisions

Special Provisions are intended to amend or supplement the General Provisions and Covenants of the SUDAS Standard Specifications. All sections that are not amended or supplemented remain in full force and effect.

01 Award of Contract

The Contract will be awarded to the lowest responsible, legal bidder complying with the conditions of the Bidding and Contract Documents, provided his bid is reasonable, and it is to the interest of the Owner to accept it. The bidder to whom the award is to be made, will be notified at the earliest possible date.

Alternates as listed in the Form of Proposal if accepted shall be in the order as listed, provided that the item(s) fall within the budgetary constraints of the project.

The lowest responsive bidder shall be required to furnish a performance, payment and maintenance bond in the sum equal to one hundred (100%) percent of the total bid. The maintenance bond shall guarantee the maintenance of the improvements for a period of two (2) years from and after its completion and acceptance by the City of Cedar Falls.

02 Availability of Site

During construction of this project, the Contractor shall be required to coordinate all operations with those of other Contractors working within the same area of the following projects and/or events:

1) Public Works garbage collection operations
2) Street Restoration - 2023
3) Street Reconstruction – 2023
4) Cedar Falls Util. Co. electrical, communications, gas & water main projects
5) 2023 Public Sidewalk & Patching Project
6) Sturgis Falls Celebration – June 23 thru 25, 2023

03 Protection of Line and Grade Stakes

The Contractor shall notify the Engineer at least 48 hours prior to the need for survey stakes and be responsible for all surveying during construction and as-built surveys.

04 Borrow and Waste Sites

It shall be the Contractor's responsibility to provide waste areas or disposal sites for excess material which is not desirable to be incorporated in the work involved on this project

(excavation or broken concrete). No payment for overhaul will be allowed for material hauled to these sites. The Engineer shall review all proposed disposal sites and determine the acceptability of each. Overhaul will not be measured or paid for but will be considered incidental to concrete removal or excavation on this project.

05 Subletting or Assignment of Contract

The Contractor's own organization shall perform work amounting to not less than thirty five (35%) percent of the total contract cost unless otherwise specified. Item designated as a specialty item may be performed by subcontract, and the cost of any such specialty item as performed by subcontract may be deducted from the total cost before computing the amount of work required by the Contractor's organization.

06 Contract Time

The work on the Contract shall commence ten calendar days after the date set forth in the written Notice to Proceed and shall be completed within the dates set forth in the written Notice to Proceed.

The Contractor will be limited to staging and access roads as noted in the drawings and shall not access or stage in different locations unless approval is gained by federal, state, and local permitting agencies and updated stormwater protection plans are provided and approved by aforementioned agencies.

The design team would prefer the structures are built in downstream to upstream order. This allows for product testing and assurance of valuable whitewater at each structure.

Contractor should include fees for testing of each structure and possible modifications. Testing at each structure includes construction, partial breaching of the cofferdam and release of at least 80% of the available water, instream testing by RWE or Owner representative taking 1-3 hours, replacement of the cofferdam, and minor modifications as needed to enhance performance.

Minor modifications may include, but not be limited to, addition or subtraction of up to 20 cubic yards of rock and/or grout. Any additional material excavated and/or added will be paid at the unit prices noted in the bid and contractor must receive written approval prior to completion of this work.

Contractor is responsible for providing at least one week notice for observations performed by the engineers noted above during key portions of each structure. Key portions are defined as construction of the subgrade and low flow areas of each structure plus the wing area interfacing with the low flow.

During construction of Structure #8, the contractor may close the portion of the bike trail between the North staging area and a sufficient distance downstream of the First Street Bridge (as shown on Sheet C-06 and C-09) for a period of three weeks maximum. Closure of the trail exceeding the three week period shall be considered work not completed and subject to the terms noted in:

Cold weather protection, as noted within the drawing notes and SUDAS is incidental and should be included as necessary in the bid.

07 Work Progress and Schedule

The progress of the work shall be such that at the expiration of one-fourth of the working days, one-eighth of the work shall be completed; at the expiration of one-half of the working days, three-eighths of the work shall be completed; at the expiration of three-fourths of the working days, the work shall be three-fourths completed, and the whole work shall be completed at the expiration of the working days.

08 Weekly Record of Calendar Days

Work shall not begin before 7:00 a.m. and shall stop at sunset. Work on Sundays and Holidays shall only be allowed after prior written approval by the Engineer.

09 Change Orders

The percentages for overhead and profit charged on Contract Changes shall be negotiated, and may vary according to the nature, extent, and complexity of the work involved. However, the overhead and profit for the Contractor or subcontractor performing the work shall not exceed 15%.

10 Liquidated Damages

Liquidated damages in the amount of one thousand ($1,500.00) dollars per working day will be assessed for the work not completed within the designated contract term as described in the Notice to Proceed.

11 Progress Payments and Vouchers

Pay estimates will be submitted to the City Council for approval on the First and Third Mondays of each month.

The City shall retain from each monthly progress payment 5% of the amount determined to be due according to the pay estimate.

Payment to the Contractor will be made in cash from such cash funds of said City as may be legally used for said purposes, including the proceeds of the Local Option Tax and General Obligation Bonds. Any other combination of funds may be used at the discretion of the City Council.

See Division 2 – Special Provisions Section 06- Contract time for liquidated damages for Intermediate working days.

Before final payment is made, the Contractor shall furnish vouchers showing that all subcontractors and all persons furnishing labor and materials have been fully paid for such materials and labor and that the City may retain the last month's payment for a period of ninety (90) calendar days following such completion and approval, unless satisfied that material and laborers have been paid in full.

12 Stormwater Pollution Prevention Plan, Management

Attached to the end of these project specifications is the Stormwater Pollution Prevention Plan for the **RECREATIONAL RIVER AREA AND RIVERBANK IMPROVEMENTS PROJECT** This document lays out the requirements for the Contractor to assist the City in maintaining compliance with the General Permit No. 2.

The Owner is to insure compliance with the Pollution Prevention Plan and **will review regular inspections carried out by the Contractor.** Contractor designated and qualified personnel will inspect disturbed areas of the construction site that have not reached “final stabilization” at least once every seven (7) calendar days. Contractor will be responsible for executing the Plan towards the goal of a stabilized site. Owner will make determination of Contractors compliance with the plan and may direct additional measures to be taken by any Contractor. When a plan deficiency or the occurrence of a pollutant entering the drainage system is observed, corrective action shall be taken. The Pollution Prevention Plan will be revised and modifications made to the control facilities as needed. Intermittent reports based on site observation will be made and will become part of the pollution prevention plan. A final report and Notice of Discontinuation will be filed 30 days after final stabilization of the project has occurred.

N.P.D.E.S. CERTIFICATION
PROJECT NO. MC-038-3290

Contractor certifies under penalty of law that they understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site as part of this certification. Further, by signing and entering into contract for this work, the contractor understands that they are becoming a co-permittee, along with the owner(s) and other contractors and subcontractors, to the Iowa Department of Natural Resources NPDES General Permit No. 2 for “Storm Water Discharge Associated with Industrial Activity for Construction Activities” at the identified site. As co-permittee, the contractor understands that they and their company are legally required under the Clean Water Act and the Code of Iowa, to ensure compliance with the terms and conditions of the Storm Pollution Prevention Plan developed under this NPDES permit and the terms of this NPDES permit.

13 METHOD OF MEASUREMENT

The Engineer will measure the items of work that have been acceptably constructed as specified in the contract documents for the **RECREATIONAL RIVER AREA AND**

RIVERBANK IMPROVEMENTS PROJECT in accordance with the 2022 Edition of the SUDAS and as further modified by the City of Cedar Falls' Supplemental Specifications.

14 BASIS OF PAYMENT

Payment for the items listed in the Method of Measurement shall be determined by multiplying the item quantity (as determined in the Method of Measurement) by the unit price as bid on the proposal form in accordance with the 2022 edition of the SUDAS as amended by the City of Cedar Falls' Supplemental Specifications to the 2022 edition of the SUDAS, except as amended or supplemented as follows:

15 PERMITS

Contractor is responsible for having all relevant permits on-site and available at all times for inspection and must follow all permit conditions. Relevant permits include, but are not limited to:

- US Army Corps of Engineers 404 and 408 Permit Number CEMVR-OD-P-2020_1140
- State 401 Water Quality Certification No. 20-1-013-09-02-S
- Iowa DNR Tracking Number 88965
- Floodplain Development Permit Number 88965FP-01
- Section 408 Request Number 408-MVR-2020-0009
- City of Cedar Falls Floodplain Permit #
- City of Cedar Falls Stormwater Pollution Prevention Permit #IA-38536-38175

A copy of all relevant permits are included in the bid package for review and reference. The contractor is responsible for the permit conditions, construction of structures as noted in the drawings, and water control as noted in the drawings. Please refer to the final design drawings for design. If there are discrepancies between the 404 drawings and the final design drawings, contractor is required to contact RWE or Owner for additional guidance.

16 FLOODING DURING CONSTRUCTION

Contractor should follow the Flood Contingency Plan dated August 2022 and completed by RWE. The plan outlines the cofferdam and haul road procedures, elevations, and demolition procedures recommended by RWE.

If the contractor is forced to demolish cofferdams and/or haul roads, Owner and Engineer shall be notified and a plan presented for approval. If all parties are in agreement, it shall be considered a River Demobilization. A River Demobilization may include, but is not limited to, a single removal of all machinery from the river, demolition of existing cofferdams and haul roads, and grading to return cofferdammed areas and haul roads to original grades. Contractor will be paid as agreed to in the Bid Proposal Item Alt. No. 2. This also includes the cost to remobilize materials and equipment, and re-establish cofferdams and haul roads after the flooding event.

If the contractor is forced to demobilize one or both staging areas, Owner and Engineer shall be notified and a plan presented for approval. The south staging area is unlikely to be demobilized unless flood waters are expected to overtop the levee system. If all parties are in agreement, it shall be considered a Project Demobilization. A Project Demobilization may include, but is not limited to, a single removal of all machinery, materials, fencing, BMP's, and any non-native material from the staging area(s). The work shall include removal of any temporary fill vulnerable to erosion and grading of all areas to pre-mobilization elevations. Contractor will be paid as agreed to in the Bid Proposal Item Alt. No.3. This item also includes the cost to remobilize equipment, materials, and re-establish fencing, BMP's, and non-native materials to staging areas. This bid item is in addition to Bid Proposal Item Alt. No. 2 and both shall be paid if both the River Demobilization and Project Demobilization occur.

No payments will be made for costs covered by the Contractor's builder risk insurance.

17 AS-BUILT SURVEY

Contractor to provide an as-built survey to the U.S. Army Corps of Engineers Rock Island District in the form of a PDF and an electronic version in .dwg format within 180 days of completion of the project.

DIVISION 4

SUPPLEMENTAL PLANS AND SPECIFICATIONS

All work shall be constructed as specified in the Contract documents for the **RECREATIONAL RIVER AREA AND RIVERBANK IMPROVEMENTS PROJECT** in accordance with the 2022 Edition of the SUDAS as amended by the City of Cedar Falls' Supplemental Specifications to the 2022 Edition of the SUDAS, except as amended or supplemented as follows:

Item No. 1 – Mobilization: Costs shall include all required items as contained in Division 5 'EDA Funding', including and not limited to furnishing and installing the EDA Site Sign and associated contractor responsibilities/forms as provided in the attached specifications booklet.

DIVISION 5

Economic Development Administration (EDA) Funding

All work shall be constructed as specified in the Contract documents for the **RECREATIONAL RIVER AREA AND RIVERBANK IMPROVEMENTS PROJECT** in accordance with the following required EDA pages:

A. Wage Determination (12 pages)
B. EDA Contracting Provisions for Construction Project (24 pages)
C. EDA Site Sign Specifications (5 pages)
See Division 4, Item No. 1
D. Certification Regarding Lobbying Lower Tier Covered Transactions Form (1 page)
E. Notice of Requirements for Affirmative Action to Ensure Equal Employment Opportunity (1 page)

"General Decision Number: IA20220002 08/19/2022

Superseded General Decision Number: IA20210002

State: Iowa

Construction Type: Heavy River Work

Counties: Iowa Statewide.

HEAVY CONSTRUCTION PROJECTS LIMITED TO WORK ON OR PERTAINING TO, OR WITHIN THE FLOOD PLAIN OF THE MISSISSIPPI AND MISSOURI RIVERS INCLUDING ALL HEAVY WORK ON TRIBUTARIES AND LAKE ODESSA WITHIN THE FLOOD PLAIN OF THE RIVERS. HEAVY WORK INCLUDES CANALS, CHANNELS, COFFERDAMS, DAMS, DIKES, DOCKS, DREDGING WORK, FLOOD CONTROL PROJECTS, JETTIES, LAND RECLAMATION, LEVEE WORK, LOCKS, LOCK AND DAMS, PUMPING STATIONS, RAILROAD BRIDGES, RAILROAD CONSTRUCTION, SHORELINE MAINTENANCE, AND WATER WAY CONSTRUCTION.

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	Executive Order 14026 generally applies to the contract. The contractor must pay all covered workers at least $15.00 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2022.
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January	Executive Order 13658 generally applies to the contract. The contractor must pay all covered workers at least

30, 2022:	$11.25 per hour (or the
	applicable wage rate listed
	on this wage determination,
	if it is higher) for all
	hours spent performing on
	that contract in 2022.
_____	_____

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at https://www.dol.gov/agencies/whd/government-contracts.

Modification Number	Publication Date
0	01/07/2022
1	02/25/2022
2	03/11/2022
3	04/15/2022
4	06/03/2022
5	08/05/2022
6	08/19/2022

CARP0004-007 05/01/2022

SCOTT COUNTY

	Rates	Fringes
CARPENTER.....	$ 31.75	26.62

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* ENGI0150-008 06/01/2022

CEDAR, CLINTON, DES MOINES, LEE, LOUISA, MUSCATINE AND SCOTT COUNTIES

	Rates	Fringes
Power equipment operators:		
GROUP 1.....	$ 38.50	36.90
GROUP 2.....	$ 37.50	36.90

GROUP 3.....$ 34.85 36.90
GROUP 4.....$ 33.80 36.90

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Crane (Friction or Hydraulic, regardless of size or attachments); Tow or Push Boat

GROUP 2: Asphalt Heater-Planer Unit; Asphalt Paver; Asphalt Paver Screed; Asphalt Plant; Automatic Curbing Machine; Backfiller (throw bucket); Blastholer Self-Propelled Rotary Drill or Similar Machines; Boom Tractor or Side Boom; Boring Machine (Directional, Vertical or Horizontal); Building Hoist (1,2 or 3 drums); Caisson Auguring Machines; Central Redi-Mix Plant; Chip Spreader; Cleaning & Priming Machine; Combination Backhoe Front End Loader; Combination Concrete Finishing Machine and Float; Concrete Breaker or Hydro-Hammer; Concrete Conveyor or Pump; Concrete Paver; Concrete Spreader; Concrete Wheel Saw (Large self-propelled); Crusher (Stone, Concrete, Asphalt, etc.); Curing-Tinning Machine; Dipper Dredge Crane man; Dipper Dredge Operator; Dual Purpose Truck (Boom, Winch, etc.); Excavator; Farm-Type Tractor Operating Scoop or Scraper or with Power Attachment; Forklift (6000 lb. capacity); Grader, Motor Grader, Motor Patrol, Auto Grader, Form Grader, Pull Grader, Sub Grader, Elevating Grader; Group Equipment Greaser; Guard Rail Post Driver; Hoists; Hydraulic Dredge Leverman or Engineer; Hydro-Vac Truck Mounted or Pull Type, and Similar Equipment; Laser Screed; Loader (Track, Rubber Tire or Articulated); Locomotive Engineer; Mechanic-Welder; Mechanical Loaded Log Chippers or Similar Machines; Milling Machine; Mucking Machine; Pile Driver; Pipe Bending; Pug Mill; Road Widener-Shoulder Spreader; Scraper (self-propelled); Self-Propelled Roller or Tire Roller (on Asphalt or Blacktop), Sheep Foot or Pad Foot Compactor; Shovel; Slip Form Paver; Steel Track-Type Tractor (Dozer, Push Cat, etc.); Transfer or Shuttle Buggy; Trenching Machine (40 H.P. & over); Work Boat.

GROUP 3: Articulated Off-Road Haul Unit; Asphalt Booster; Boiler (Engineer or Fireman); Conveyor Over 20 H.P.; Distributor; Driver on Truck Crane or Similar Machines; Elevator; Farm-Type Tractor (Without Power Attachment); Fireman & Pump Operator at Asphalt Plant; Forklift (Less than 6000 lb. capacity); Grout Pump; Light Plant; Mechanical Broom; Mud Jack; Self-Propelled Roller (Other than listed in Group 2); Straddle Carrier; Trench Machine (Under 40 H.P.).

GROUP 4: Air Compressor (400 C.F.M. or over); Compact Loader (Rubber Tire, Track & Utility); Engine Driven Welding Machine; Mechanical Heater (other than steam boiler); Small Outboard Motor Boat (Safety Boat & Life Boat); Water Pump (More than one well point pump).

ENGI0234-002 12/01/2021

REMAINING COUNTIES

	Rates	Fringes
Power equipment operators:		
MISSISSIPPI RIVER		
GROUP A	$ 40.72	15.97
GROUP B	$ 40.03	15.97
GROUP C	$ 37.70	15.97
MISSOURI RIVER		
GROUP A	$ 40.24	15.97
GROUP B	$ 39.57	15.97
GROUP C	$ 37.70	15.97

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP A: Power shovel, crane, backhoe (1.5 yd and over), dragline, hoisting engineer (steel erection), motor patrol (finish), piledriver, master mechanic, sideboom tractor, horizontal boring machine, finish dozer, central mix plant, paver or self propelled spreader, tow, safety, or push boat, CMI paver, subgrader or equivalent, asphalt plant, pushcat, mechanics - welders, churn or rotary drill, trenching machine (Cleveland 80 or similar capacity), asphalt laydown, asphalt screed, asphalt heater planer, concrete pump, self-propelled curb machine (with seat), loader operator (2 cu yd and over), scraper, dozer (rough), group greaser, asphalt roller, backhoes of any size when digging building footings.

GROUP B: Motor patrol (rough), concrete curb breaking machine, loader (under 2 yd), backhoe under 1/2 yd, concrete widening machine, paver breaker, Barber Green, Haiss loader or similar machines, crawler tractor (pulling disc, sheepsfoot, ripper, or flat roller), self-propelled sheepsfoot roller, self-propelled roller, dristributor, screening and washing plant, self-propelled vibrating compactor, trenching machine, steel placing machine,

conveyor, finishing machine (on concrete), flex plane, bullfloat, form grader, self-propelled elevator grader, water wagon on compaction

GROUP C: Boiler, mechanical boom, oiler, welding machine, Pump (other than dredge), boom and winch trucks, compressor, tank car heater (combination boiler and booster), pumps on well points and deep wells for dewatering, truck crane combination driver-oiler, concrete curbing machine, batch plant (dry), spreader attachments, utility tractor with attachments, light plant mechanical heater, pumps over 3"", farm type tractor (pulling disc, harrow or roller).

IRON0111-005 07/01/2022

(EXCLUDING DES MOINES, LEE, DUBUQUE, CLAYTON, ALLAMAKEE, HARRISON, POTTAWATTAMIE, MILLS, FREMONT, JACKSON, CLINTON, LOUISA, MUSCATINE, WOODBURY AND MONONA COUNTIES)

	Rates	Fringes
Ironworker	$ 35.00	29.31

LABO0309-005 01/01/2022

SCOTT COUNTY

	Rates	Fringes
LABORERS		
GROUP 1	$ 31.31	23.71
GROUP 2	$ 31.81	23.71
GROUP 3	$ 32.44	23.71

LABORER CLASSIFICATIONS

GROUP 1 - Flagman; Dumpman; Spotter; Broom Man; Landscaper; Planting & Removal of Trees; Fencing Laborers; Cleaning of Forms or Lumber (in Bone Yard); Laying of Sod; Moving and/or Maintenance of Flares & Barricades; Operation of all Hand, Electric, Air, Hydraulic or Mechanically Powered Tools under the the Laborers' including Jackhammer, Tamper, Air Spade, Auger, Concrete Saw, Chain Saw, Utility Saw, Rock Drill, Vibrator; Mortar Mixer; Power & Hand Saw (When Clearing Timber); General Laborer; Material Handler; Form

Handler; Concrete Dumper; Puddler; Explosives Handler; Center Strip Handler & Installer; Prime Mover or any Mechanical Device Taking the Place of Concrete Buggy or Wheelbarrow; Sandpoint Setter; Asphalt Kettleman; Sheeting Hammer Driver; Laying & Jointing of Telephone Conduit; Gas Distribution Man; Pipe Setter On Lateral, Drain Tile, Culvert Pipe & Storm Sewer; Catch Basin Lead; Catch Basin; Manholes; Batch Dumper; Tank Cleaner; Cofferdam Worker; Bankman on Floating Plant; Jointman With Pipelayer; Back-up Man (Corker, Joint Maker) With Pipe Setter On Sewer & Water Main; Batterboard Man or Laser Operator on Sewer & Water Main; Laborer in Ditch or Tunnel, on Sewer or Water Main & Telephone Conduit, Cutters; Burners; Torchman; Gravel Box Man; Asphalt Plant; Concrete Plant; Deck Hand; Unloading of Steel & Rebar; & Wrecking Laborers

GROUP 2 - Asphalt Raker or Luteman; Pipe Setter on Sewer or Water Main; Gunnite Nozzle Man; Asphalt or Concrete Curb Machine Operator; Concrete Burning Machine Operator; & Coring Machine Operator; Hazardous Waste Worker; Asbestos Abatement Worker

GROUP 3 - Concrete Specialist (All work relating to but not limited to pouring, striking of & finishing all concrete surfaces)

PLAS0544-001 01/01/2019

SCOTT COUNTY

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER	$ 27.90	23.16

TEAM0371-001 05/01/2019

SCOTT COUNTY

	Rates	Fringes
Truck drivers:		
GROUP 1	$ 38.17	13.25+a
GROUP 2	$ 38.71	13.25+a
GROUP 3	$ 39.01	13.25+a
GROUP 4	$ 30.34	13.25+a
GROUP 5	$ 40.39	13.25+a

Footnote:
a. PENSION: $52.80 per day

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: Drivers on 2 axle trucks hauling less than 9 tons , air compressor and welding machines and brooms, including those pulled by separate units, warehousemen, greasers and tiremen, pick- up-trucks when hauling material, tools or men to and from and on the job site, and forklifts up to 6,000 lb capacity

GROUP 2: 2 or 3 axle trucks hauling more than 9 tons but hauling less than 16 tons. A-frame winch trucks, or similar equipment when used for transportation purposes. Forklifts over 6,000 lb capacity, winch trucks, four axle combination units, hydrolift Trucks, vactor trucks or simiolar equipment when used for transportation purposes..

GROUP 3: 2, 3, and 4 axles hauling 16 tons or more, water pulls, 5 axles or more combination units, water pulls, articulated dump trucks

GROUP 4: Oil distributors, lowboys

GROUP 5: Drivers who require special protective clothing while employed on hazardous waste work.

SUIA2002-002 12/01/2014

	Rates	Fringes
CARPENTER		
Mississippi River (Iowa Side).....	$ 28.55	16.29
Mississippi River (Work that pertains to both banks, or extends across the Mississippi River. If a higher rate of pay previalis in the adjoining states, then those rates shall apply).....	$ 34.60	21.38
Missouri River.....	$ 31.25	12.43
CEMENT MASON/CONCRETE FINISHER...	$ 33.35	10.05

Ironworkers: (setting of all structural steel and reinforcing steel installation:)

Des Moines and Lee Counties	$ 29.42	16.68
Dubuque, Clayton & Allamakee Counties	$ 26.67	16.68
Harrison, Pottawattamie, Mills & Fremont Counties	$ 24.89	16.68
Jackson, Clinton, Louisa & Muscatine Counties	$ 36.20	16.68
Woodbury & Monona Counties	$ 19.46	16.68

Laborers:

Class A		
Mississippi River	$ 30.92	8.60
Missouri River	$ 28.92	8.60
Class AA		
Mississippi River	$ 31.95	8.60
Missouri River	$ 29.95	8.60
Class B		
Mississippi River	$ 29.22	8.60
Missouri River	$ 28.22	8.60
Class C		
Mississippi River	$ 26.05	8.60
Missouri River	$ 24.05	8.60

TRUCK DRIVER

Mississippi River	$ 24.88	10.50
Missouri River	$ 24.88	10.50

LABORERS CLASSIFICATIONS

GROUP A: Sandblaster, gunite nozzleman, diamond and core drills powered by air, sewer utility man and laser operator, all work performed by laborers working from a bos'n chair, swinging stage, tagline or block and tackle, drill operators of air tracks, wagon drills and similar drills, steel highway formsetter, stingman, powerman blaster, asphalt luteman and rakers, asphalt distributor operators, concrete saw operators, and skilled concrete laborers, deckhands.

GROUP AA: Pipelayer, concrete specialist; tunnelman

GROUP B: Tree climber, form setter, potmen (not mechanical), depth grade checker, and cutting torches on demolition

work, trencher operator (walk behind), safety boat operators, power buggyman, concrete and paving sawmen, form line and expansion joint assembler, bottomman, caulker-jointer and painter (striper), timber and chair-sawman, mechanical stresser or strechman on post-tension or pre-stressed concrete on or off job, form tamper, air-gas and electric tool opertors-vibrators-Barcohammer-Pavec-tampers-electric drills-hammers and jackhammers, tree groundman, chair tenders-tool room men and checkers, concrete processing material and monitors, stringman on paving work, broom operator (not self propelled), fence erectors, handling and placing of metal mesh, dowel bars, reinforcing baars and chairs, dumpmen and spotters, carring reinforcing rods, corrugated culvert pipe, stake chaser, seeding or mulching and planting of trees shrubs and flowers, water pumps (under 3""), compressors (under 400 CFM), general laborer, rodman, hot asphalt labor, carpenter tender, concrete finisher tender.

GROUP C: Waterboy, flagman, flagger/traffic control, watchman.

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at https://www.dol.gov/agencies/whd/government-contracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average

calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

* an existing published wage determination
* a survey underlying a wage determination
* a Wage and Hour Division letter setting forth a position on a wage determination matter
* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour National Office because National Office has responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISIO"

U. S. DEPARTMENT OF COMMERCE
ECONOMIC DEVELOPMENT ADMINISTRATION

EDA CONTRACTING PROVISIONS
FOR CONSTRUCTION PROJECTS

These EDA Contracting Provisions for Construction Projects (EDA Contracting Provisions) are intended for use by recipients receiving federal assistance from the U. S. Department of Commerce - Economic Development Administration (EDA). They contain provisions specific to EDA and other federal provisions not normally found in non-federal contract documents. The requirements contained herein must be incorporated into all construction contracts and subcontracts funded wholly or in part with federal assistance from EDA.

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1. DEFINITIONS

Agreement – The written instrument that is evidence of the agreement between the Owner and the Contractor overseeing the Work.

Architect/Engineer - The person or other entity engaged by the Recipient to perform architectural, engineering, design, and other services related to the work as provided for in the contract.

Contract – The entire and integrated written agreement between the Owner and the Contractor concerning the Work. The Contract supersedes prior negotiations, representations, or agreements, whether written or oral.

Contract Documents – Those items so designated in the Agreement. Only printed or hard copies of the items listed in the Agreement are Contract Documents.

Contractor – The individual or entity with whom the Owner has entered into the Agreement.

Drawings or Plans – That part of the Contract Documents prepared or approved by the Architect/Engineer that graphically shows the scope, extent, and character of the Work to be performed by the Contractor.

EDA - The United States of America acting through the Economic Development Administration of the U.S. Department of Commerce or any other person designated to act on its behalf. EDA has agreed to provide financial assistance to the Owner, which includes assistance in financing the Work to be performed under this Contract. Notwithstanding EDA's role, nothing in this Contract shall be construed to create any contractual relationship between the Contractor and EDA.

Owner – The individual or entity with whom the Contractor has entered into the Agreement and for whom the Work is to be performed.

Project – The total construction of which the Work to be performed under the Contract Documents may be the whole, or a part.

Recipient – A non-Federal entity receiving a Federal financial assistance award directly from EDA to carry out an activity under an EDA program, including any EDA-approved successor to the entity.

Specifications – That part of the Contract Documents consisting of written requirements for materials, equipment, systems, standards, and workmanship as applied to the Work, and certain administrative requirements and procedural matters applicable thereto.

Subcontractor – An individual or entity having direct contract with the Contractor or with any other Subcontractor for the performance of a part of the Work at the Site.

Work – The entire construction or the various separately identifiable parts thereof required to be provided under the Contract Documents. Work includes and is the result of performing or providing all labor, services, and documentation necessary to produce such construction and furnishing, installing, and incorporating all materials and equipment into such construction, all as required by the Contract Documents.

2. APPLICABILITY

The Project to which the construction work covered by this Contract pertains is being assisted by the United States of America through federal assistance provided by the U.S. Department of Commerce - Economic Development Administration (EDA). Neither EDA, nor any of its departments, entities, or employees is a party to this Contract. The following EDA Contracting Provisions are included in this Contract and all subcontracts or related instruments pursuant to the provisions applicable to such federal assistance from EDA.

3. FEDERALLY REQUIRED CONTRACT PROVISIONS

(a) All contracts in excess of the simplified acquisition threshold - currently fixed at $150,000 (*see* 41 U.S.C. §§ 134 and 1908) must address administrative, contractual, or legal remedies in instances where contractors violate or breach contract terms, and provide for such sanctions and penalties as may be appropriate.

(b) All contracts in excess of $10,000 must address termination for cause and for convenience by the Recipient including the manner by which it will be effected and the basis for settlement.

(c) All construction contracts awarded in excess of $10,000 by recipients of federal assistance and their contractors or subcontractors shall contain a provision requiring compliance with Executive Order 11246 of September 24, 1965, *Equal Employment Opportunity*, as amended by Executive Order 11375 of October 13, 1967, and Department of Labor implementing regulations at 41 C.F.R. part 60.

(d) All prime construction contracts in excess of $2,000 awarded by Recipients must include a provision for compliance with the Davis-Bacon Act (40 U.S.C. §§ 3141-3148) as supplemented by Department of Labor regulations at 29 C.F.R. part 5. The contracts must also include a provision for compliance with the Copeland "Anti-Kickback" Act (18 U.S.C. § 874 and 40 U.S.C. § 3145) as supplemented by Department of Labor regulations at 29 C.F.R. part 3.

(e) All contracts awarded by the Recipient in excess of $100,000 that involve the employment of mechanics or laborers must include a provision for compliance with 40 U.S.C. §§ 3702 and 3704 (the Contract Work Hours and Safety Standards Act) as supplemented by Department of Labor regulations at 29 C.F.R. part 5.

(f) All contracts must include EDA requirements and regulations that involve a requirement on the contractor or sub-contractor to report information to EDA, the Recipient or any other federal agency.

(g) All contracts must include EDA requirements and regulations pertaining to patent rights with respect to any discovery or invention which arises or is developed in the course of or under such contract.

(h) All contracts must include EDA requirements and regulations pertaining to copyrights and rights in data.

(i) All contracts and subgrants in excess of $150,000 must contain a provision that requires compliance with all applicable standards, orders, or requirements issued under the Clean Air Act (42 U.S.C. § 7401 *et seq.*) and the Federal Water Pollution Control Act (Clean Water Act) (33 U.S.C. § 1251 *et seq.*), and Executive Order 11738, *Providing for Administration of the Clean Air Act and the Federal Water Pollution Control Act With Respect to Federal Contracts, Grants, or Loans*.

(j) Contracts must contain mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act (42 U.S.C.§ 6201).

(k) Contracts must contain a provision ensuring that contracts are not to be made to parties on the government wide Excluded Parties List System in the System for Award Management (SAM), in accordance with the OMB guidelines at 2 C.F.R. part 180.

(l) Contracts must contain a provision ensure compliance with the Byrd Anti-Lobbying Amendment (31 U.S.C. § 1352) under which contractors that apply or bid for an award of $100,000 or more must file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. § 1352. Each tier must also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the non-Federal award.

(m) If the Recipient is a state agency or agency of a political subdivision of a state, any contract awarded must contain a provision ensuring compliance with section 6002 of the Solid Waste Disposal Act (42 U.S.C. § 6962), as amended by the Resource Conservation and Recovery Act related to the procurement of recovered materials.

4. **REQUIRED PROVISIONS DEEMED INSERTED**

Each and every provision of law and clause required by law to be inserted in this contract shall be deemed to be inserted herein and the contract shall be read and enforced as though it were included herein, and if through mistake or otherwise any such provision is not inserted, or is not correctly inserted, then upon the application of either party the contract shall forthwith be physically amended to make such insertion of correction.

5. INSPECTION BY EDA REPRESENTATIVES

The authorized representatives and agents of EDA shall be permitted to inspect all work, materials, payrolls, personnel records, invoices of materials, and other relevant data and records.

6. EXAMINATION AND RETENTION OF CONTRACTOR'S RECORDS

(a) The Owner, EDA, or the Comptroller General of the United States, or any of their duly authorized representatives shall, generally until three years after final payment under this contract, have access to and the right to examine any of the Contractor's directly pertinent books, documents, papers, or other records involving transactions related to this contract for the purpose of making audit, examination, excerpts, and transcriptions.

(b) The Contractor agrees to include in first-tier subcontracts under this contract a clause substantially the same as paragraph (a) above. "Subcontract," as used in this clause, excludes purchase orders that do not exceed $10,000.

(c) The periods of access and examination in paragraphs (a) and (b) above for records relating to (1) appeals under the disputes clause of this contract, (2) litigation or settlement of claims arising from the performance of this contract, or (3) costs and expenses of this contract to which the Owner, EDA, or Comptroller General or any of their duly authorized representatives has taken exception shall continue until disposition of such appeals, litigation, claims, or exceptions.

7. CONSTRUCTION SCHEDULE AND PERIODIC ESTIMATES

Immediately after execution and delivery of the contract, and before the first partial payment is made, the Contractor shall deliver to the Owner an estimated construction progress schedule in a form satisfactory to the Owner, showing the proposed dates of commencement and completion of each of the various subdivisions of work required under the Contract Documents and the anticipated amount of each monthly payment that will become due to the Contractor in accordance with the progress schedule. The Contractor also shall furnish the Owner (a) a detailed estimate giving a complete breakdown of the contract price and (b) periodic itemized estimates of work done for the purpose of making partial payments thereon. The costs employed in making up any of these schedules will be used only to determine the basis of partial payments and will not be considered as fixing a basis for additions to or deductions from the contract price.

8. CONTRACTOR'S TITLE TO MATERIAL

No materials, supplies, or equipment for the work shall be purchased by the Contractor or by any subcontractor that is subject to any chattel mortgage or under a conditional sale contract or other agreement by which an interest is retained by the seller. The Contractor warrants and guarantees that he/she has good title to all work, materials, and equipment used by him/her in the Work, free and clear of all liens, claims, or encumbrances.

9. INSPECTION AND TESTING OF MATERIALS

All materials and equipment used in the completion of the Work shall be subject to adequate inspection and testing in accordance with accepted standards. The laboratory or inspection agency shall be selected by the Owner. Materials of construction, particularly those upon which the strength and durability of any structure may depend, shall be subject to inspection and testing to establish conformance with specifications and suitability for intended uses.

10. "OR EQUAL" CLAUSE

Whenever a material, article, or piece of equipment is identified in the Contract Documents by reference to manufacturers' or vendors' names, trade names, catalogue numbers, etc., it is intended merely to establish a standard. Any material, article, or equipment of other manufacturers and vendors that will perform adequately the duties imposed by the general design will be considered equally acceptable provided the material, article, or equipment so proposed is, in the opinion of the Architect/Engineer, of equal substance and function. However, such substitution material, article, or equipment shall not be purchased or installed by the Contractor without the Architect/Engineer's written approval.

11. PATENT FEES AND ROYALTIES

(a) Contractor shall pay all license fees and royalties and assume all costs incident to the use in the performance of the Work or the incorporation in the Work of any invention, design, process, product, or device that is the subject of patent rights or copyrights held by others. If a particular invention, design, process, product, or device is specified in the Contract Documents for use in the performance of the Work and if, to the actual knowledge of Owner or Architect/Engineer, its use is subject to patent rights or copyrights calling for the payment of any license fee or royalty to others, the existence of such rights shall be disclosed by the Owner in the Contract Documents.

(b) To the fullest extent permitted by Laws and Regulations, the Contractor shall indemnify and hold harmless the Owner and the Architect/Engineer, and the officers, directors, partners, employees, agents, consultants, and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to any infringement of patent rights or copyrights incident to the use in the performance of the Work or resulting from the incorporation in the Work of any invention, design, process, product, or device not specified in the Contract Documents.

12. CLAIMS FOR EXTRA COSTS

No claims for extra work or cost shall be allowed unless the same was done in pursuance of a written order from the Architect/Engineer approved by the Owner.

13. CONTRACTORS AND SUBCONTRACTORS INSURANCE

(a) The Contractor shall not commence work under this Contract until the Contractor has obtained all insurance reasonably required by the Owner, nor shall the Contractor allow any subcontractor to commence work on his/her subcontract until the insurance required of the subcontractor has been so obtained and approved.

(b) Types of insurance normally required are:

(1) Workers' Compensation
(2) Contractor's Public Liability and Property Damage
(3) Contractor's Vehicle Liability
(4) Subcontractors' Public Liability, Property Damage and Vehicle Liability
(5) Builder's Risk (Fire and Extended Coverage)

(c) **Scope of Insurance and Special Hazards:** The insurance obtained, which is described above, shall provide adequate protection for the Contractor and his/her subcontractors, respectively, against damage claims that may arise from operations under this contract, whether such operations be by the insured or by anyone directly or indirectly employed by him/her and also against any of the special hazards that may be encountered in the performance of this Contract.

(d) **Proof of Carriage of Insurance:** The Contractor shall furnish the Owner with certificates showing the type, amount, class of operations covered, effective dates, and dates of expiration of applicable insurance policies.

14. CONTRACT SECURITY BONDS

(a) If the amount of this Contract exceeds $150,000, the Contractor shall furnish a performance bond in an amount at least equal to one hundred percent (100%) of the Contract price as security for the faithful performance of this Contract and also a payment bond in an amount equal to one hundred percent (100%) of the Contract price or in a penal sum not less than that prescribed by State, Territorial, or local law, as security for the payment of all persons performing labor on the Work under this Contract and furnishing materials in connection with this Contract. The performance bond and the payment bond may be in one or in separate instruments in accordance with local law. Before final acceptance, each bond must be approved by EDA. If the amount of this Contract does not exceed $150,000, the Owner shall specify the amount of the payment and performance bonds.

(b) All bonds shall be in the form prescribed by the Contract Documents except as otherwise provided in applicable laws or regulations, and shall be executed by such sureties as are named in the current list of *Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring Companies* as published in Treasury Circular 570 (amended) by the Financial Management Service, Surety Bond Branch, U.S. Department of the Treasury. All bonds signed by an agent must be accompanied by a certified copy of the agent's

authority to act. Surety companies executing the bonds must also be authorized to transact business in the state where the Work is located.

15. **LABOR STANDARDS - DAVIS-BACON AND RELATED ACTS**
(as required by section 602 of PWEDA)

(a) **Minimum Wages**

(1) All laborers and mechanics employed or working upon the site of the Work in the construction or development of the Project will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act at 29 C.F.R. part 3, the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at the time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor, which is attached hereto and made a part hereof, regardless of any contractual relationship that may be alleged to exist between the Contractor and such laborers and mechanics. Contributions made or costs reasonably anticipated for bona fide fringe benefits under Section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of 29 C.F.R. § 5.5(a)(1)(iv); also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs, which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 C.F.R. § 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein, provided that the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates determined under 29 C.F.R. § 5.5(a)(1)(ii) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

(2) (i) Any class of laborers or mechanics to be employed under the Contract, but not listed in the wage determination, shall be classified in conformance with the wage determination. EDA shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

(A) The work to be performed by the classification requested is not performed by a classification in the wage determination;

(B) The classification is utilized in the area by the construction industry; and

(C) The proposed wage rate, including any bona fide fringe benefits, bears a

reasonable relationship to the wage rates contained in the wage determination.

(ii) If the Contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and EDA or its designee agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by EDA or its designee to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, D.C. 20210.

(iii) In the event the Contractor, the laborers or mechanics to be employed in the classification or their representatives, and EDA or its designee do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), EDA or its designee shall refer the questions, including the views of all interested parties and the recommendation of EDA or its designee, to the Administrator for determination.

(iv) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs (a)(2)(ii) or (iii) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

(3) Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the Contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

(4) If the Contractor does not make payments to a trustee or other third person, the Contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, provided, that the Secretary of Labor has found, upon the written request of the Contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the Contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

(b) **Withholding**

EDA or its designee shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld from the Contractor under this Contract or any other federal contract with the same prime Contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees and helpers, employed by the Contractor or any subcontractor the full amount of wages required by the Contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee or helper employed or working on the site of the Work in the construction or development of the Project, all or part of the wages required by the Contract, EDA or its designee may, after written notice to the Contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations

have ceased. EDA or its designee may, after written notice to the Contractor, disburse such amounts withheld for and on account of the Contractor or subcontractor to the respective employees to whom they are due. The Comptroller General shall make such disbursements in the case of direct Davis-Bacon Act contracts.

(c) **Payrolls and basic records**

(1) Payrolls and basic records relating thereto shall be maintained by the Contractor during the course of the Work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the Work in the construction or development of the Project. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 C.F.R. § 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the Contractor shall maintain records which show that the commitment to provide such benefits is enforceable, the plan or program is financially responsible, and the plan or program has been communicated in writing to the laborers or mechanics affected, and provide records that show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

(2) (i) For each week in which Contract work is performed, the Contractor shall submit a copy of all payrolls to the Owner for transmission to EDA or its designee. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 C.F.R. part 5.5(a)(3)(i). This information may be submitted in any form desired. Optional Form WH-347 is available for this purpose. It may be purchased from the Superintendent of Documents (Federal Stock Number 029-005-00014-1), U.S. Government Printing Office, Washington, D.C. 20402; or downloaded from the U.S. Department of Labor's website at https://www.dol.gov/whd/forms/wh347.pdf. The prime Contractor is responsible for the submission of copies of payrolls by all subcontractors

(ii) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the Contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the Contract and shall certify the following:

(A) That the payroll for the payroll period contains the information required to be maintained under 29 C.F.R. § 5.5(a)(3)(i) and that such information is correct and complete;

(B) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the Contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in 29 C.F.R. part 3; and

(C) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the Contract.

(iii) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 15(c)(2)(ii) of this section.

(iv) The falsification of any of the above certifications may subject the Contractor or subcontractor to civil or criminal prosecution under section 1001 of Title 18 and section 3729 of Title 31 of the U.S. Code.

(3) The Contractor or subcontractor shall make the records required under paragraph 15(c)(1) of this section available for inspection, copying, or transcription by authorized representatives of EDA or its designee or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the Contractor or subcontractor fails to submit the required records or to make them available, EDA or its designee may, after written notice to the Contractor or Owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 C.F.R. § 5.12.

(d) **Apprentices and Trainees**.

(1) **Apprentices**. Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Bureau of Apprenticeship and Training (Bureau), or with a State Apprenticeship Agency recognized by the Bureau, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Bureau of Apprenticeship and Training or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the Contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any

apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a Contractor is performing construction on a Project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the Contractor's or subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event the Bureau of Apprenticeship and Training, or a State Apprenticeship Agency recognized by the Bureau, withdraws approval of an apprenticeship program, the Contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(2) **Trainees**. Except as provided in 29 C.F.R. § 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program that has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman's hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the Contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(3) **Equal employment opportunity**. The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity

requirements of Executive Order 11246, *Equal Employment Opportunity*, as amended, and 29 C.F.R. part 30.

(e) **Compliance with Copeland Anti-Kickback Act Requirements**. The Contractor shall comply with the Copeland Anti-Kickback Act (18 U.S.C. § 874 and 40 U.S.C. § 3145) as supplemented by Department of Labor regulations (29 C.F.R. part 3, "Contractors and Subcontractors on Public Buildings or Public Works Financed in Whole or in Part by Loans or Grants of the United States"). The Act provides that the Contractor and any subcontractors shall be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which they are otherwise entitled. The Owner shall report all suspected or reported violations to EDA.

(f) **Subcontracts**. The Contractor and any subcontractors will insert in any subcontracts the clauses contained in 29 C.F.R. §§ 5.5(a)(1) through (10) and such other clauses as EDA or its designee may require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime Contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 C.F.R. § 5.5.

(g) **Contract termination; debarment**. The breach of the contract clauses in 29 C.F.R. § 5.5 may be grounds for termination of the contract, and for debarment as a Contractor and a subcontractor as provided in 29 C.F.R. § 5.12.

(h) **Compliance with Davis-Bacon and Related Act Requirements**. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 C.F.R. parts 1, 3, and 5 are herein incorporated by reference in this contract.

(i) **Disputes concerning labor standards**. Disputes arising out of the labor standards provisions of this Contract shall not be subject to the general disputes clause of this Contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 C.F.R. parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and EDA or its designee, the U.S. Department of Labor, or the employees or their representatives.

(j) **Certification of Eligibility**.

(1)By entering into this Contract, the Contractor certifies that neither it nor any person or firm that has an interest in the Contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 C.F.R. § 5.12(a)(1).

(2) No part of this Contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 C.F.R. § 5.12(a)(1).

(3) The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. § 1001.

16. LABOR STANDARDS - CONTRACT WORK HOURS AND SAFETY STANDARDS ACT

As used in this paragraph, the terms "laborers" and "mechanics" include watchmen and guards.

(a) **Overtime requirements**. No Contractor or subcontractor contracting for any part of the Contract work, which may require or involve the employment of laborers or mechanics, shall require or permit any such laborer or mechanic in any workweek in which that person is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

(b) **Violation; liability for unpaid wages, liquidated damages**. In the event of any violation of the clause set forth in paragraph (a) of this section, the Contractor and any subcontractor responsible therefore shall be liable for the unpaid wages. In addition, such Contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (a) of this section, in the sum of $10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (a) of this section.

(c) **Withholding for unpaid wages and liquidated damages**. EDA or its designee shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any monies payable on account of work performed by the Contractor or subcontractor under any such Contract or any other federal contract with the same prime Contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime Contractor such sums as may be determined to be necessary to satisfy any liabilities of such Contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (b) of this section.

(d) **Subcontracts**. The Contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraphs (a) through (c) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime Contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (a) through (c) of this section.

17. EQUAL EMPLOYMENT OPPORTUNITY

(a) The Recipient hereby agrees that it will incorporate or cause to be incorporated into any contract for construction work, or modification thereof, as defined in the regulations of the Secretary of Labor at 41 C.F.R. chapter 60, which is paid for in whole or in part with funds obtained from EDA, the following equal opportunity clause:

During the performance of this contract, the Contractor agrees as follows:

(1) The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training including apprenticeship. The Contractor agrees to post in conspicuous places available to employees and applicants for employment notices to be provided setting forth the provisions of this nondiscrimination clause.

(2) The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin.

(3) The contractor will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with the contractor's legal duty to furnish information.

(4) The Contractor will send to each labor union or representative of workers with which it has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers representatives of the Contractor's commitments hereunder, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

(5) The Contractor will comply with all provisions of Executive Order 11246 of September 24, 1965 and of the rules, regulations, and relevant orders of the Secretary of Labor.

(6) The Contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to its books, records, and accounts by EDA and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

(7) In the event of the Contractor's noncompliance with the nondiscrimination clauses of

this Contract or with any of the said rules, regulations, or orders, this Contract may be canceled, terminated, or suspended in whole or in part and the Contractor may be declared ineligible for further Government contracts or federally-assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation or order of the Secretary of Labor, or as otherwise provided by law.

(8) The Contractor will include the portion of the sentence immediately preceding paragraph 17(a)(1) and the provisions of paragraphs 17(a)(1) through (8) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The Contractor will take such action with respect to any subcontract or purchase order as EDA or the Secretary of Labor may direct as a means of enforcing such provisions, including sanctions for noncompliance. Provided, however, that in the event the Contractor becomes involved in or is threatened with litigation with a subcontractor or vendor as a result of such direction by EDA or the Secretary of Labor, the Contractor may request the United States to enter into such litigation to protect the interests of the United States.

(9) The Recipient further agrees that it will be bound by the above equal opportunity clause with respect to its own employment practices when it participates in federally-assisted construction work. Provided, however, that if the Recipient so participating is a State or local government, the above equal opportunity clause is not applicable to any agency, instrumentality, or subdivision of such government that does not participate in work on or under the Contract.

(10)The Recipient agrees that it will assist and cooperate actively with EDA and the Secretary of Labor in obtaining the compliance of contractors and subcontractors with the equal opportunity clause and the rules, regulations, and relevant orders of the Secretary of Labor, that it will furnish EDA and the Secretary of Labor such information as they may require for the supervision of such compliance, and that it will otherwise assist EDA in the discharge of the EDA's primary responsibility for securing compliance.

(11) The Recipient further agrees that it will refrain from entering into any contract or contract modification subject to Executive Order 11246 of September 24, 1965, with a Contractor debarred from, or who has not demonstrated eligibility for, Government contracts and federally assisted construction contracts pursuant to the Executive Order and will carry out such sanctions and penalties for violation of the equal opportunity clause as may be imposed upon contractors and subcontractors by EDA or the Secretary of Labor pursuant to Part II, Subpart D of the Executive Order. In addition, the Recipient agrees that if it fails or refuses to comply with these undertakings, EDA may take any or all of the following actions: Cancel, terminate, or suspend in whole or in part this EDA financial assistance; refrain from extending any further assistance to the applicant under the program with respect to which the failure or refund occurred until satisfactory assurance of future compliance has been received from such applicant; and refer the case

to the Department of Justice for appropriate legal proceedings.

(b) Exemptions to Above Equal Opportunity Clause (41 C.F.R. chapter 60):

(1) Contracts and subcontracts not exceeding $10,000 (other than Government bills of lading, and other than contracts and subcontracts with depositories of Federal funds in any amount and with financial institutions which are issuing and paying agents for U.S. savings bonds and savings notes) are exempt. The amount of the Contract, rather than the amount of the federal financial assistance, shall govern in determining the applicability of this exemption.

(2) Except in the case of subcontractors for the performance of construction work at the site of construction, the clause shall not be required to be inserted in subcontracts below the second tier.

(3) Contracts and subcontracts not exceeding $10,000 for standard commercial supplies or raw materials are exempt.

18. **CONTRACTING WITH SMALL, MINORITY AND WOMEN'S BUSINESSES**

(a) If the Contractor intends to let any subcontracts for a portion of the work, the Contractor shall take affirmative steps to assure that small, minority and women's businesses are used when possible as sources of supplies, equipment, construction, and services.

(b) Affirmative steps shall consist of:

(1) Placing qualified small and minority businesses and women's business enterprises on solicitation lists;

(2) Ensuring that small and minority businesses and women's business enterprises are solicited whenever they are potential sources;

(3) Dividing total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority businesses and women's business enterprises;

(4) Establishing delivery schedules, where the requirements of the contract permit, which encourage participation by small and minority businesses and women's business enterprises;

(5) Using the services and assistance of the U.S. Small Business Administration, the Minority Business Development Agency of the U.S. Department of Commerce, and State and local governmental small business agencies;

(6) Requiring each party to a subcontract to take the affirmative steps of this section; and

(7) The Contractor is encouraged to procure goods and services from labor surplus area firms.

19. **HEALTH, SAFETY, AND ACCIDENT PREVENTION**

(a) In performing this contract, the Contractor shall:

(1) Ensure that no laborer or mechanic shall be required to work in surroundings or under working conditions which are unsanitary, hazardous, or dangerous to their health and/or safety as determined under construction safety and health standards promulgated by the Secretary of Labor by regulation;

(2) Protect the lives, health, and safety of other persons;

(3) Prevent damage to property, materials, supplies, and equipment; and

(4) Avoid work interruptions.

(b) For these purposes, the Contractor shall:

(1) Comply with regulations and standards issued by the Secretary of Labor at 29 C.F.R. part 1926. Failure to comply may result in imposition of sanctions pursuant to the Contract Work Hours and Safety Standards Act (40 U.S.C. §§ 3701 – 3708); and

(2) Include the terms of this clause in every subcontract so that such terms will be binding on each subcontractor.

(c) The Contractor shall maintain an accurate record of exposure data on all accidents incident to work performed under this Contract resulting in death, traumatic injury, occupational disease, or damage to property, materials, supplies, or equipment, and shall report this data in the manner prescribed by 29 C.F.R. part 1904.

(d) The Owner shall notify the Contractor of any noncompliance with these requirements and of the corrective action required. This notice, when delivered to the Contractor or the Contractor's representative at the site of the Work, shall be deemed sufficient notice of the noncompliance and corrective action required. After receiving the notice, the Contractor shall immediately take corrective action. If the Contractor fails or refuses to take corrective action promptly, the Owner may issue an order stopping all or part of the Work until satisfactory corrective action has been taken. The Contractor shall not base any claim or request for equitable adjustment for additional time or money on any stop order issued under these circumstances.

(e) The Contractor shall be responsible for its subcontractors' compliance with the provisions of this clause. The Contractor shall take such action with respect to any subcontract as EDA, or the Secretary of Labor shall direct as a means of enforcing such provisions.

20. CONFLICT OF INTEREST AND OTHER PROHIBITED INTERESTS

(a) No official of the Owner who is authorized in such capacity and on behalf of the Owner to negotiate, make, accept, or approve, or to take part in negotiating, making, accepting, or approving any architectural, engineering, inspection, construction or material supply contract or any subcontract in connection with the construction of the Project, shall become directly or indirectly interested personally in this Contract or in any part hereof.

(b) No officer, employee, architect, attorney, engineer, or inspector of or for the Owner who is authorized in such capacity and on behalf of the Owner to exercise any legislative, executive, supervisory or other similar functions in connection with the construction of the Project, shall become directly or indirectly interested personally in this Contract or in any part thereof, any material supply contract, subcontract, insurance contract, or any other contract pertaining to the Project.

(c) The Contractor may not knowingly contract with a supplier or manufacturer if the individual or entity who prepared the Contract Documents has a corporate or financial affiliation with the supplier or manufacturer.

(d) The Owner's officers, employees, or agents shall not engage in the award or administration of this Contract if a conflict of interest, real or apparent, may be involved. Such a conflict may arise when: (i) the employee, officer or agent; (ii) any member of their immediate family; (iii) their partner or (iv) an organization that employs, or is about to employ, any of the above, has a financial interest in the Contractor. The Owner's officers, employees, or agents shall neither solicit nor accept gratuities, favors, or anything of monetary value from the Contractor or subcontractors.

(e) If the Owner finds after a notice and hearing that the Contractor, or any of the Contractor's agents or representatives, offered or gave gratuities (in the form of entertainment, gifts, or otherwise) to any official, employee, or agent of the Owner or EDA in an attempt to secure this Contract or favorable treatment in awarding, amending, or making any determinations related to the performance of this Contract, the Owner may, by written notice to the Contractor, terminate this Contract. The Owner may also pursue other rights and remedies that the law or this Contract provides. However, the existence of the facts on which the Owner bases such findings shall be an issue and may be reviewed in proceedings under the dispute resolution provisions of this Contract.

(f) In the event this Contract is terminated as provided in paragraph (e) of this section, the Owner may pursue the same remedies against the Contractor as it could pursue in the event of a breach of this Contract by the Contractor. As a penalty, in addition to any other damages to which it may be entitled by law, the Owner may pursue exemplary damages in an amount (as determined by the Owner) which shall not be less than three nor more than ten times the costs the Contractor incurs in providing any such gratuities to any such officer or employee.

21. RESTRICTIONS ON LOBBYING

(a) This Contract, or subcontract is subject to 31 U.S.C. § 1352, regarding lobbying restrictions. The section is explained in the common rule, 15 C.F.R. part 28 (55 FR 6736-6748, February 26, 1990). Each bidder under this Contract or subcontract is generally prohibited from using federal funds for lobbying the Executive or Legislative Branches of the Federal Government in connection with this EDA Award.

(b) **Contract Clause Threshold**: This Contract Clause regarding lobbying must be included in each bid for a contract or subcontract exceeding $100,000 of federal funds at any tier under the EDA Award.

(c) **Certification and Disclosure**: Each bidder of a contract or subcontract exceeding $100,000 of federal funds at any tier under the federal Award must file Form CD-512, *Certification Regarding Lobbying – Lower Tier Covered Transactions*, and, if applicable, Standard Form-LLL, *Disclosure of Lobbying Activities*, regarding the use of any nonfederal funds for lobbying. Certifications shall be retained by the Contractor or subcontractor at the next higher tier. All disclosure forms, however, shall be forwarded from tier to tier until received by the Recipient of the EDA Award, who shall forward all disclosure forms to EDA.

(d) **Continuing Disclosure Requirement**: Each Contractor or subcontractor that is subject to the Certification and Disclosure provision of this Contract Clause is required to file a disclosure form at the end of each calendar quarter in which there occurs any event that requires disclosure or that materially affects the accuracy of the information contained in any disclosure form previously filed by such person. Disclosure forms shall be forwarded from tier to tier until received by the Recipient of the EDA Award, who shall forward all disclosure forms to EDA.

(e) **Indian Tribes, Tribal Organizations, or Other Indian Organizations**: Indian tribes, tribal organizations, or any other Indian organizations, including Alaskan Native organizations, are excluded from the above lobbying restrictions and reporting requirements, but only with respect to expenditures that are by such tribes or organizations for lobbying activities permitted by other federal law. An Indian tribe or organization that is seeking an exclusion from Certification and Disclosure requirements must provide EDA with the citation of the provision or provisions of federal law upon which it relies to conduct lobbying activities that would otherwise be subject to the prohibitions in and to the Certification and Disclosure requirements of 31 U.S.C. § 1352, preferably through an attorney's opinion. Note, also, that a non-Indian subrecipient, contractor, or subcontractor under an award to an Indian tribe, for example, is subject to the restrictions and reporting requirements.

22. HISTORICAL AND ARCHAEOLOGICAL DATA PRESERVATION

The Contractor agrees to facilitate the preservation and enhancement of structures and objects of historical, architectural or archaeological significance and when such items are found and/or unearthed during the course of project construction. Any excavation by the Contractor that uncovers an historical or archaeological artifact shall be immediately reported to the Owner and a representative of EDA. Construction shall be temporarily halted pending the notification process and further directions issued by EDA after consultation with the State Historic

Preservation Officer (SHPO) for recovery of the items. *See* the National Historic Preservation Act of 1966 (54 U.S.C. § 300101 *et seq.*, formerly at 16 U.S.C. § 470 *et seq.*) and Executive Order No. 11593 of May 31, 1971.

23. CLEAN AIR AND WATER

Applicable to Contracts in Excess of $150,000

(a) **Definition**. "Facility" means any building, plant, installation, structure, mine, vessel, or other floating craft, location, or site of operations, owned, leased, or supervised by the Contractor or any subcontractor, used in the performance of the Contract or any subcontract. When a location or site of operations includes more than one building, plant, installation, or structure, the entire location or site shall be deemed a facility except when the Administrator, or a designee, of the United States Environmental Protection Agency (EPA) determines that independent facilities are collocated in one geographical area.

(b) In compliance with regulations issued by the EPA, 2 C.F.R. part 1532, pursuant to the Clean Air Act, as amended (42 U.S.C. § 7401 *et seq.*); the Federal Water Pollution Control Act, as amended (33 U.S.C. § 1251 *et seq.*); and Executive Order 11738, the Contractor agrees to:

(1) Not utilize any facility in the performance of this contract or any subcontract which is listed on the Excluded Parties List System, part of the System for Award Management (SAM), pursuant to 2 C.F.R. part 1532 for the duration of time that the facility remains on the list;

(2) Promptly notify the Owner if a facility the Contractor intends to use in the performance of this contract is on the Excluded Parties List System or the Contractor knows that it has been recommended to be placed on the List;

(3) Comply with all requirements of the Clean Air Act and the Federal Water Pollution Control Act, including the requirements of section 114 of the Clean Air Act and section 308 of the Federal Water Pollution Control Act, and all applicable clean air and clean water standards; and

(4) Include or cause to be included the provisions of this clause in every subcontract and take such action as EDA may direct as a means of enforcing such provisions.

24. USE OF LEAD-BASED PAINTS ON RESIDENTIAL STRUCTURES

(a) If the work under this Contract involves construction or rehabilitation of residential structures over $5,000, the Contractor shall comply with the Lead-based Paint Poisoning Prevention Act (42 U.S.C. § 4831). The Contractor shall assure that paint or other surface coatings used in a residential property does not contain lead equal to or in excess of 1.0 milligram per square centimeter or 0.5 percent by weight or 5,000 parts per million (ppm) by weight. For purposes of this section, "residential property" means a dwelling unit, common areas, building exterior surfaces, and any surrounding land, including outbuildings, fences and play equipment affixed to the land, belonging to an owner and available for use by residents, but not

including land used for agricultural, commercial, industrial or other non-residential purposes, and not including paint on the pavement of parking lots, garages, or roadways.

(b) As a condition to receiving assistance under PWEDA, recipients shall assure that the restriction against the use of lead-based paint is included in all contracts and subcontracts involving the use of federal funds.

25. ENERGY EFFICIENCY

The Contractor shall comply with all standards and policies relating to energy efficiency which are contained in the energy conservation plan issued in compliance with the Energy Policy and Conservation Act (42 U.S.C. § 6201) for the State in which the Work under the Contract is performed.

26. ENVIRONMENTAL REQUIREMENTS

When constructing a Project involving trenching and/or other related earth excavations, the Contractor shall comply with the following environmental constraints:

(1) **Wetlands**. When disposing of excess, spoil, or other construction materials on public or private property, the Contractor shall not fill in or otherwise convert wetlands.

(2) **Floodplains**. When disposing of excess, spoil, or other construction materials on public or private property, the Contractor shall not fill in or otherwise convert 100 year floodplain areas delineated on the latest Federal Emergency Management Agency (FEMA) Floodplain Maps, or other appropriate maps, i.e., alluvial soils on Natural Resource Conservation Service (NRCS) Soil Survey Maps.

(3) **Endangered Species**. The Contractor shall comply with the Endangered Species Act, which provides for the protection of endangered and/or threatened species and critical habitat. Should any evidence of the presence of endangered and/or threatened species or their critical habitat be brought to the attention of the Contractor, the Contractor will immediately report this evidence to the Owner and a representative of EDA. Construction shall be temporarily halted pending the notification process and further directions issued by EDA after consultation with the U.S. Fish and Wildlife Service.

27. DEBARMENT, SUSPENSION, INELIGIBILITY, AND VOLUNTARY EXCLUSIONS

As required by Executive Orders 12549 and 12689, *Debarment and Suspension*, 2 C.F.R. Part 180 and implemented by the Department of Commerce at 2 C.F.R. part 1326, for prospective participants in lower tier covered transactions (except subcontracts for goods or services under the $25,000 small purchase threshold unless the subrecipient will have a critical influence on or substantive control over the award), the Contractor agrees that:

(1) By entering into this Contract, the Contractor and subcontractors certify, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared

ineligible, or voluntarily excluded from participation in this Contract by any federal department or agency.

(2) Where the Contractor or subcontractors are unable to certify to any of the statements in this certification, the Contractor or subcontractors shall attach an explanation to this bid.

See also 2 C.F.R. part 180 and 2 C.F.R. § 200.342.

28. **EDA PROJECT SIGN**

The Contractor shall supply, erect, and maintain in good condition a Project sign according to the specifications provided by EDA. To the extent practical, the sign should be a free standing sign. Project signs shall not be located on public highway rights-of-way. Location and height of signs will be coordinated with the local agency responsible for highway or street safety in the Project area, if any possibility exists for obstructing vehicular traffic line of sight. Whenever the EDA site sign specifications conflict with State law or local ordinances, the EDA Regional Director will permit such conflicting specifications to be modified so as to comply with State law or local ordinance.

29. **BUY AMERICA**

To the greatest extent practicable, contractors are encouraged to purchase American-made equipment and products with funding provided under EDA financial assistance awards.

EDA PROJECT SIGN

The Contractor shall supply, erect, and maintain in good condition a project sign according to the specifications set forth below:

EDA SITE SIGN SPECIFICATIONS

Size: 4' x 8' x ¾"

Materials: Exterior grade/MDO plywood (APA rating A-B)

Supports: 4" x 4" x 12' posts with 2" x 4" cross branching

Erection: Posts shall be set a minimum of three feet deep in concrete footings that are at least 12" in diameter.

Paint: Outdoor enamel

Colors: Jet Black, Blue (PMS300), and Gold (PMS7406). Specifically, on white background the following will be placed:

The U. S. Department of Commerce seal in blue, black, and gold;

"EDA" in blue;

"U. S. DEPARTMENT OF COMMERCE ECONOMIC DEVELOPMENT

ADMINISTRATION" in black;

"In partnership with" in blue;

(Actual name of the) "EDA Grant Recipient" in black;

Lettering: Specific fonts are named below; positioning will be as shown on the attached illustration.

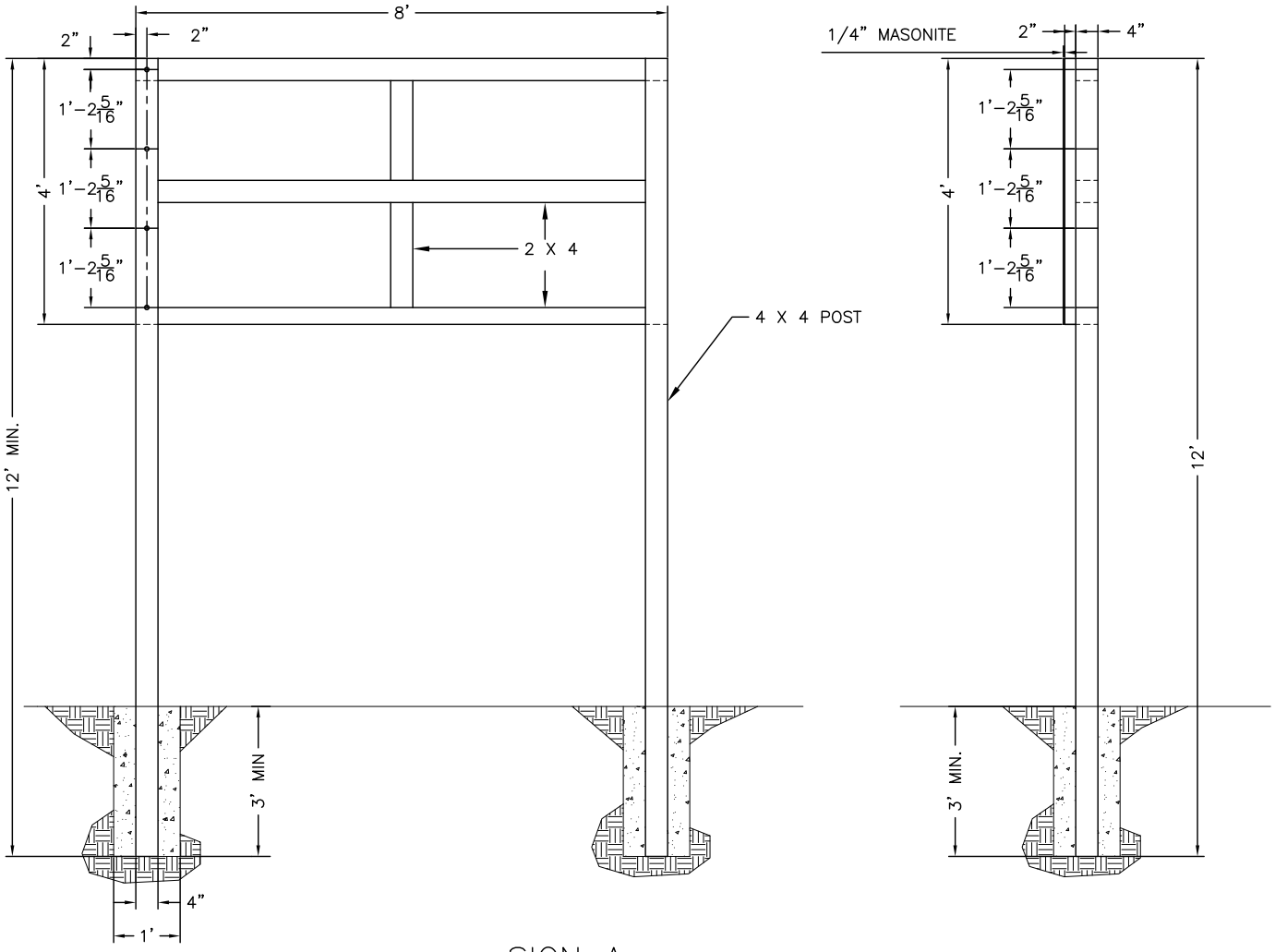
"U. S. DEPARTMENT OF COMMERCE ECONOMIC DEVELOPMENT ADMINISTRATION" use Bank Gothic Medium - BANK GOTHIC MED

"In partnership with" use Univers™ 55 Oblique - *Univers 55*

(Name of) "EDA Grant Recipient" use Univers™ Extra Black 85 **Univers 85**

Project signs will not be erected on public highway rights-of-way. If any possibility exists for obstruction to traffic line of sight, the location and height of the sign will be coordinated with the agency responsible for highway or street safety in the area.

The EDA Regional Director may permit modifications to these specifications if they conflict with state law or local ordinances.

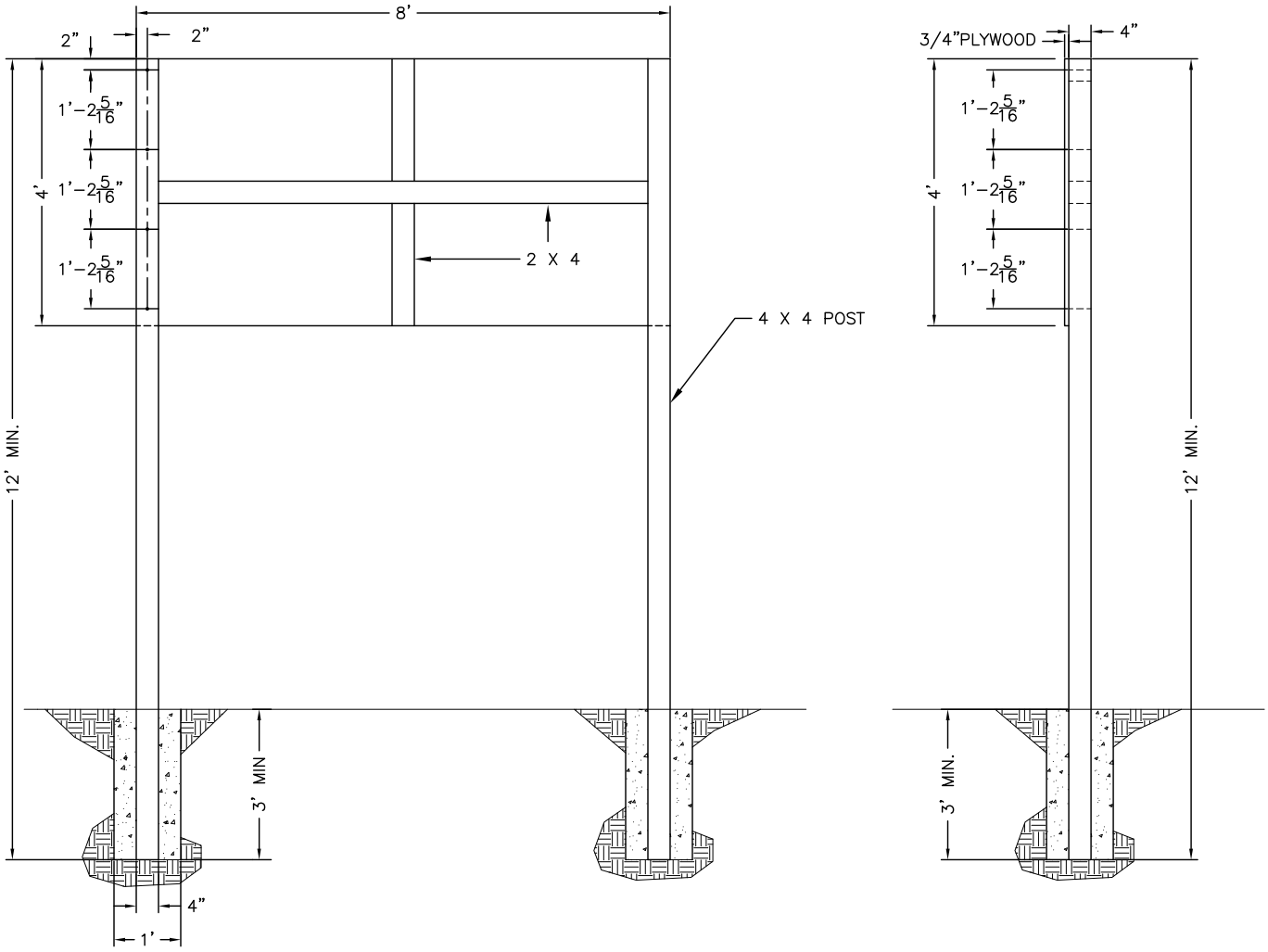


SIGN A
MASONITE SIGN

SCALE: 3/8" = 1'

PROJECT - SIGN A

ECONOMIC DEVELOPMENT ADMINISTRATION



SIGN B
PLYWOOD SIGN
SCALE: 3/8" = 1'

PROJECT - SIGN B

ECONOMIC DEVELOPMENT ADMINISTRATION

EDA

U.S. DEPARTMENT OF COMMERCE ECONOMIC DEVELOPMENT ADMINISTRATION

In partnership with

<EDA Grant Recipient Name>

Black
Blue= P
Gold= PMS7406

Item 21.

2.25”

13.5”

1.75”

1.75”

10”

EDA

2.0”

1.5”

U.S. Department of Commerce Economic Development Administration

4.0”

48”

3.0”

In partnership with

3.0”

3.75”

<EDA Grant Recipient Name>

15.0”

96"

FORM **CD-512**
(REV 12-04)

U.S. DEPARTMENT OF COMMERCE

CERTIFICATION REGARDING LOBBYING
LOWER TIER COVERED TRANSACTIONS

Applicants should review the instructions for certification included in the regulations before completing this form. Signature on this form provides for compliance with certification requirements under 15 CFR Part 28, "New Restrictions on Lobbying."

LOBBYING

As required by Section 1352, Title 31 of the U.S. Code, and implemented at 15 CFR Part 28, for persons entering into a grant, cooperative agreement or contract over $100,000 or a loan or loan guarantee over $150,000 as defined at 15 CFR Part 28, Sections 28.105 and 28.110, the applicant certifies that to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure occurring on or before October 23, 1996, and of not less than $11,000 and not more than $110,000 for each such failure occurring after October 23, 1996.

Statement for Loan Guarantees and Loan Insurance

The undersigned states, to the best of his or her knowledge and belief, that:

In any funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this commitment providing for the United States to insure or guarantee a loan, the undersigned shall complete and submit Standard Form-LLL, ''Disclosure Form to Report Lobbying,'' in accordance with its instructions.

Submission of this statement is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required statement shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure occurring on or before October 23, 1996, and of not less than $11,000 and not more than $110,000 for each such failure occurring after October 23, 1996.

As the duly authorized representative of the applicant, I hereby certify that the applicant will comply with the above applicable certification.

NAME OF APPLICANT	AWARD NUMBER AND/OR PROJECT NAME

PRINTED NAME AND TITLE OF AUTHORIZED REPRESENTATIVE

What % to use?

SIGNATURE	DATE
	NOTE: To find the Goals for minority particip

NOTE: To find the Goals for minority participation (%), click "What to use?" and search for the project's County.

NOTICE OF REQUIREMENTS FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY (EXECUTIVE ORDER 11246 AND 41 CFR PART 60-4)

The following Notice shall be included in, and shall be a part of all solicitations for offers and bids on all Federal and federally assisted construction contracts or subcontracts in excess of $10,000.

The Offeror's or Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Opportunity Construction Contract Specifications" set forth herein.

The goals and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:

Timetables	Goals for minority participation for each trade	Goals for female participation for each trade
What % to use?	4.7 %	6.9%

These goals are applicable to all the Contractor's construction work (whether or not it is Federal or federally assisted) performed in the covered area. If the contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor also is subject to the goals for both its federally involved and non federally involved construction.
The Contractor's compliance with the Executive Order and the regulations in 41 CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3(a), and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order, and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

The Contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within 10 working days of award of any construction subcontract in excess of $10,000 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address and telephone number of the subcontractor; employer identification number of the subcontractor; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the subcontract is to be performed.
As used in this Notice, and in the contract resulting from this solicitation, the "covered area" is:

State of _____

County of _____

City of _____

Cedar River Recreational Improvements Project

Cedar River, Cedar Falls, Iowa

Bid Tabulation - September 29, 2022

Instream						
Item Number	**SUDAS Item Number**	**Description**	**Estimated Quantity**	**Unit**	**Unit Price**	**Item Total Price**
1	11,020-A	Mobilization	1	Lump Sum	$ 721,500	$ 721,500
2	2010-B	Clearing and Grubbing	2	ACRE	$ 3,500	$ 7,000
3	9010-A	Conventional Seeding, Seeding, Fertilizing, and Mulching	2.8	ACRE	$ 3,900	$ 10,920
4	9040-A-2	SWPPP Management	1	Lump Sum	$ 14,000	$ 14,000
5	9040-F-1	Straw Waddle, 9", 25 ft. Length	300	Lin. Ft.	$ 4	$ 1,200
6	9040-N-1	Silt Fencing	1500	Lin. Ft.	$ 3.5	$ 5,250
7	9040-O-1	Stabilized Construction Entrance	1157	SY	$ 8	$ 9,256
8	9060-A	Chain Link Fence, Galvanized 11.5 Gauge Type, 72" Size	1500	Lin. Ft.	$ 8	$ 12,000
9	9060-F	Temporary Fencing, Orange Plastic 10MIL	300	Lin. Ft.	$ 8	$ 2,400
10		Cofferdam Installation and Removal	1	Lump Sum	$ 955,500	$ 955,500
11	11,010-A	Construction Survey	1	Lump Sum	$ 20,000	$ 20,000
12		As-Built Construction Survey	1	Lump Sum	$ 5,400	$ 5,400
13	7030-C	Trail Replacement, Shared Use Path, PCC, 6" thick	3,422	SY	$ 33	$ 112,926
14	11,050-A	Concrete Washout	2	Each	$ 2,000	$ 4,000
15		River Right Access Road	1	Lump Sum	$ 65,000	$ 65,000
Structure #2- Put-in River Right						
16		Boulder Fill: Includes excavation/fill, placement, grouting (Paid Separately), and backfill.	166	Tons	$ 240.1	$ 39,857
17		Boulder Fill Grouting: Includes preparation, grouting of voids, and cleaning. Grout fill assumed to be 50% of Boulder Fill voids.	77	Cubic Yards Concrete	$ 536.3	$ 41,295
18		Concrete - low flow	35	Cubic Yards Concrete	$ 536.3	$ 18,771

Riverwise Engineering, LLC
PO Box 706
Durango, CO 81302

19		Subgrade - Clean angular 3-8" cobble	498	Tons	$ 72.0	$ 35,856

Structure #3						
20		Boulder Fill: Includes excavation/fill, placement, grouting (Paid Separately), and backfill.	249	Tons	$ 240.1	$ 59,785
21		Boulder Fill Grouting: Includes preparation, grouting of voids, and cleaning. Grout fill assumed to be 50% of Boulder Fill voids.	115	Cubic Yards Concrete	$ 536.3	$ 61,675
22		Concrete- low flow	22	Cubic Yards Concrete	$ 536.3	$ 11,799
23		Subgrade - Clean angular 3-8" cobble	371	Tons	$ 72.0	$ 26,712
Structure #4						
24		Boulder Fill: Includes excavation/fill, placement, grouting (Paid Separately), and backfill.	98	Tons	$ 240.1	$ 23,530
25		Boulder Fill Grouting: Includes preparation, grouting of voids, and cleaning. Grout fill assumed to be 50% of Boulder Fill voids.	45	Cubic Yards Concrete	$ 536.3	$ 24,134
26		Concrete- low flow	35	Cubic Yards Concrete	$ 536.3	$ 18,771
27		Subgrade - Clean angular 3-8" cobble	98	Tons	$ 72.0	$ 7,056
Structure #5						
28		Boulder Fill: Includes excavation/fill, placement, grouting (Paid Separately), and backfill.	200	Tons	$ 240.1	$ 48,020
29		Boulder Fill Grouting: Includes preparation, grouting of voids, and cleaning. Grout fill assumed to be 50% of Boulder Fill voids.	93	Cubic Yards Concrete	$ 536.3	$ 49,876
30		Concrete- low flow	28	Cubic Yards Concrete	$ 536.3	$ 15,016
31		Subgrade - Clean angular 3-8" cobble	948	Tons	$ 72.0	$ 68,256

Structure #6- Take-out River Right						
32		Boulder Fill: Includes excavation/fill, placement, grouting (Paid Separately), and backfill.	312	Tons	$ 240.1	$ 74,911
33		Boulder Fill Grouting: Includes preparation, grouting of voids, and cleaning. Grout fill assumed to be 50% of Boulder Fill voids.	145	Cubic Yards Concrete	$ 536.3	$ 77,764
34		Subgrade - Clean angular 3-8" cobble	648	Tons	$ 72.0	$ 46,656
Structure #7- Clay Hole Safety and Recreational Improvements						
35		Boulder Fill: Includes excavation/fill, placement, grouting (Paid Separately), and backfill.	243	Tons	$ 240.1	$ 58,344
36		Boulder Fill Grouting: Includes preparation, grouting of voids, and cleaning. Grout fill assumed to be 50% of Boulder Fill voids.	108	Cubic Yards Concrete	$ 536.3	$ 57,920
37		Concrete- low flow	115.0	Cubic Yards Concrete	$ 536.0	$ 61,640
38		Concrete Demolition and Shaping	1	Lump Sum	$ 87,750.0	$ 87,750
39		Subgrade - Clean angular 3-8" cobble	1140	Tons	$ 72.0	$ 82,080
Structure #8- Take-out River Left						
40		Boulder Fill: Includes excavation/fill, placement, grouting (Paid Separately), and backfill.	68	Tons	$ 240.1	$ 16,327
41		Boulder Fill Grouting: Includes preparation, grouting of voids, and cleaning. Grout fill assumed to be 50% of Boulder Fill voids.	31	Cubic Yards Concrete	$ 536.3	$ 16,625
42		Concrete- low flow	28	Cubic Yards Concrete	$ 536.0	$ 15,008
43		Subgrade - Clean angular 3-8" cobble	203	Tons	$ 72.0	$ 14,616
Miscellaneous						
44		Large Random Boulders, 7' Diameter	23	Each	$ 1,150	$ 26,450
45		Miscellaneous Equipment Hours	200	hours	$ 535	$ 107,000
46		Item Deleted from Bid Tabulation				
Total Instream						**$ 3,239,850**

Upland						
47	2010-A	Clearing and Grubbing Concrete/Rebar River Clean Up	25	Cubic Yards	$ 200	$ 5,000
48	2010-E	Excavation, Class 13 River Left additional fill	220	Cubic Yards	$ 50	$ 11,000
49	2010-E	Excavation, Class 13 River Right additional fill	175	Cubic Yards	$ 50	$ 8,750
50	7030-C	Shared Use Path (6' wide 6" depth)	927	SY	$ 180	$ 166,860
51		Special Concrete-Stained and Stamped	83	SY	$ 450	$ 37,350
52		Lower Terrace Concrete - Special (Turtle)	114	SY	$ 450	$ 51,300
53		Concrete Expansion Joints and Dowels	20	Each	$ 500	$ 10,000
54		Stone Bank Reinforcements	1,218	Tons	$ 685	$ 834,330
55		Specialty Stone @ Upper Plaza	200	Tons	$ 685	$ 137,000
56	8020-B	Parking lot Painting, Signs, and Bollards	2	Each	$ 2,800	$ 5,600
57		Signage, 4 Large and 5 Small	12	Each	$ 5,850	$ 70,200
58	9030-C	Planting Trees, Shrubs, Lawns	1	Lump Sum	$ 93,000	$ 93,000
59		Upland Contingency Estimate				$ 80,000
Total Upland						**$ 1,510,390**
Instream and Upland Improvements Total						**$ 4,750,240**
Alternates						
Alt. No. 1		Remove Riprap and Replace with Boulder Fill	1507	Tons	$ 280	$ 421,960
Alt. No. 2		Boulder Fill Grouting: Includes preparation, grouting of voids, and cleaning. Grout fill assumed to be 50% of Boulder Fill voids. Item shall be used in conjunction with Alt. No 1	742	Cubic Yards Concrete	$ 536	$ 397,712
Alt. No. 3		Lighting at Trees and Main Street Bridge	1	Lump Sum	$ 99,000	$ 99,000
Alt. No. 4		Lighting at 1st Street Bridge	1	Lump Sum	$ 130,000	$ 130,000
Alt. No. 5		Shower	1	Lump Sum	$ 18,000	$ 18,000
Alt. No. 6		Irrigation	1	Lump Sum	$ 20,000	$ 20,000
Alt. No. 7		Concrete Mowbands	231	Lin. Ft.	$ 25	$ 5,775
Alt. No. 8		Benches	2	Each	$ 12,250	$ 24,500
Alternates Total						**$ 1,116,947**
Base Instream and Upland Total plus all Alternates						**$ 5,867,187**

DEPARTMENT OF COMMUNITY DEVELOPMENT

City of Cedar Falls
220 Clay Street
Cedar Falls, Iowa 50613
Phone: 319-273-8600
Fax: 319-273-8610
www.cedarfalls.com

MEMORANDUM

Planning & Community Services Division

TO: Honorable Mayor Robert M. Green and City Council

FROM: Jaydevsinh Atodaria (JD), City Planner I

DATE: October 10, 2022

SUBJECT: Easement Vacation 3718 Apollo Street

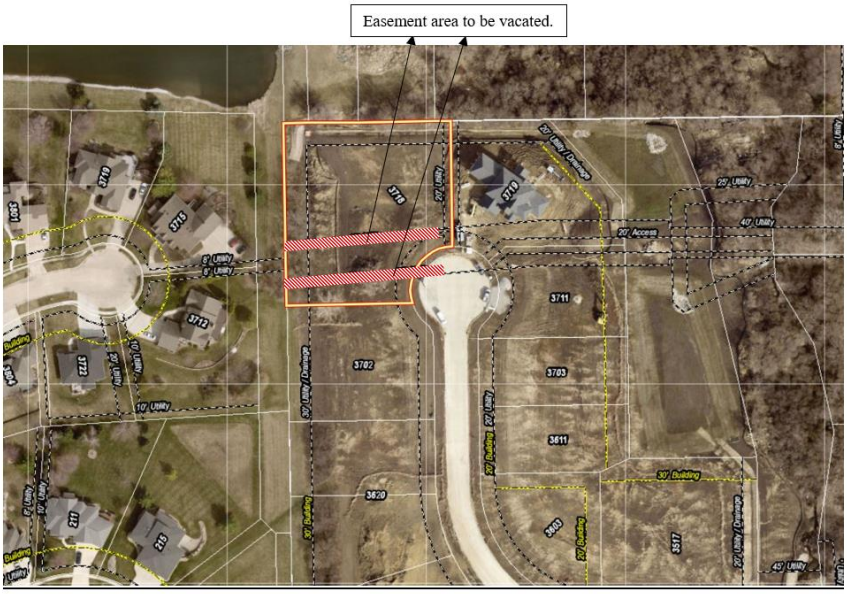
REQUEST: Vacate portion of Sanitary Sewer Easement (Case # VAC22-001)

PETITIONER: Ryan N. Borgwart; Owner

LOCATION: 3718 Apollo St. (Lot 11 and part of Lot 10 Pheasant Hollow 7th Addition)

PROPOSAL

The request is to vacate portion of existing 60-foot sanitary sewer easement on southern area of the property at 3718 Apollo Street. The petitioner wants to utilize the lot for development to its best potential. The area highlighted in red is the portion of the easement requested to be vacated on the subject property.



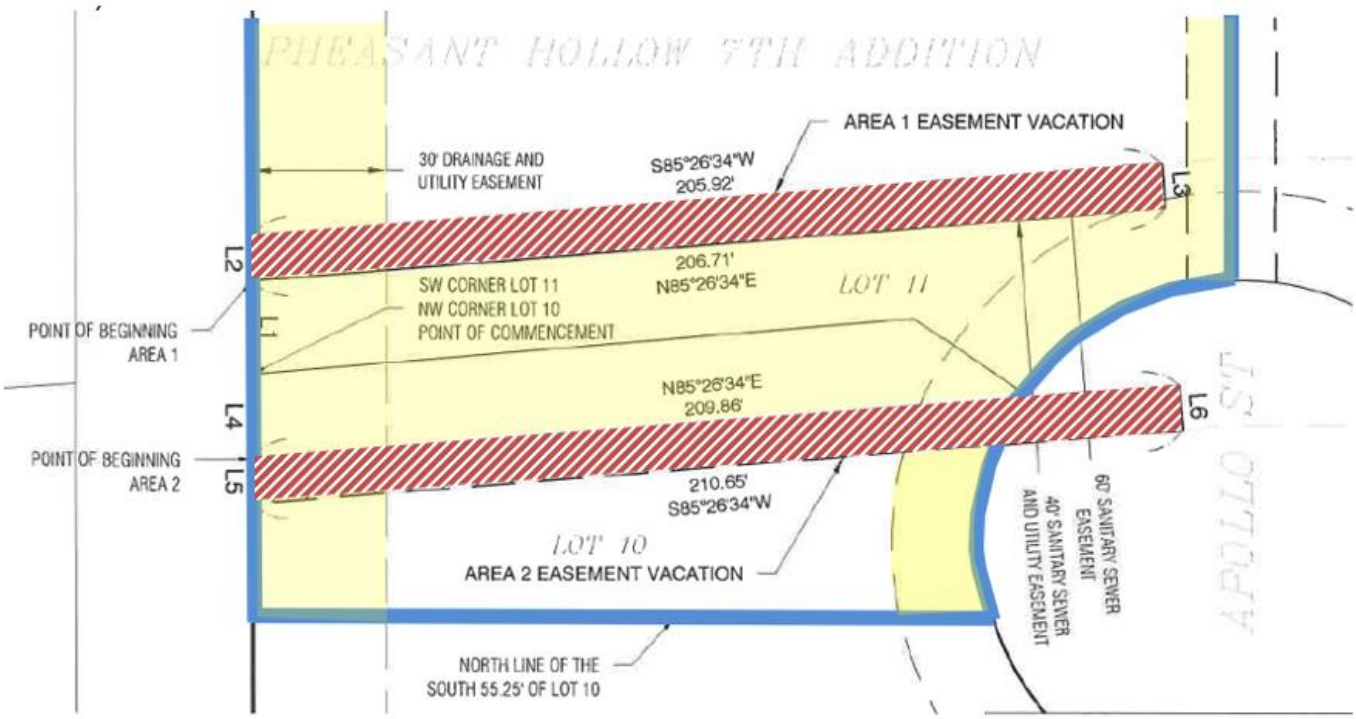
BACKGROUND

The subject property is Lot 11 and portion of Lot 10 of Pheasant Hollow 7th Addition, which was platted in June 2020, which is addressed 3718 Apollo Street. Mr. Borgwart, owner of the property, is requesting to reduce the size of the sanitary sewer easement on his property from 60 feet to 40 feet wide by vacating a 10-foot portion of the existing 60-foot sanitary sewer easement on the north and south sides of the existing easement. The owner would like to reduce the encumbrance on his lot so he can more easily develop the property.

ANALYSIS

The request is to vacate the portion of existing 60-foot sanitary sewer easement on property

located at 3718 Apollo Street. As per the Pheasant Hollow 7th Addition final plat approved in June 2020, there are two platted easements that extend over the southern area of the property that create unnecessary redundancy as both share the same center line. One is an existing 60-foot sanitary sewer easement and the other is 40-foot sanitary sewer and utility easement. The request here is to vacate Area 1 and Area 2 (highlighted in red hashed area) in the sketch below (also see attached vacation plat). Area 1 is an approximately 10 feet wide strip that runs 206 feet in length and area 2 is an approximately 10 feet wide strip that runs 211 feet in length. Staff notes that areas 1 and area 2 are the only portions of the existing 60-foot-wide sanitary sewer easement that are being vacated. All other easements as platted on this lot are retained, including the 20-foot public utility easement along the frontage of the lots and the 30-foot drainage and utility easement along the western lot line.



As indicated by the developer's engineer, it was their intention to vacate the previously platted 60-foot sanitary sewer easement with the Pheasant Hollow, 7th Addition final plat. It was an oversight that it was not addressed.

The City Engineer's office confirmed that they would be in favor of the proposed vacation request, as the remaining platted 40-foot sanitary sewer and utility easement running though the lot at 3718 Apollo Street is adequate for maintaining and operating the services. Engineering staff also notes that the profile section (included in the packet) provided by the CGA consultants working on behalf of the owner indicates that the 40-foot-wide sanitary sewer and utility easement would be adequate, considering the line depth of the services.

TECHNICAL COMMENTS

City technical staff has reviewed the vacation request and has no concerns. Legal papers for the easement vacation must note that all other easements of record shall be retained. In response, the easement vacation plat has been updated with the required note.

STAFF RECOMMENDATION

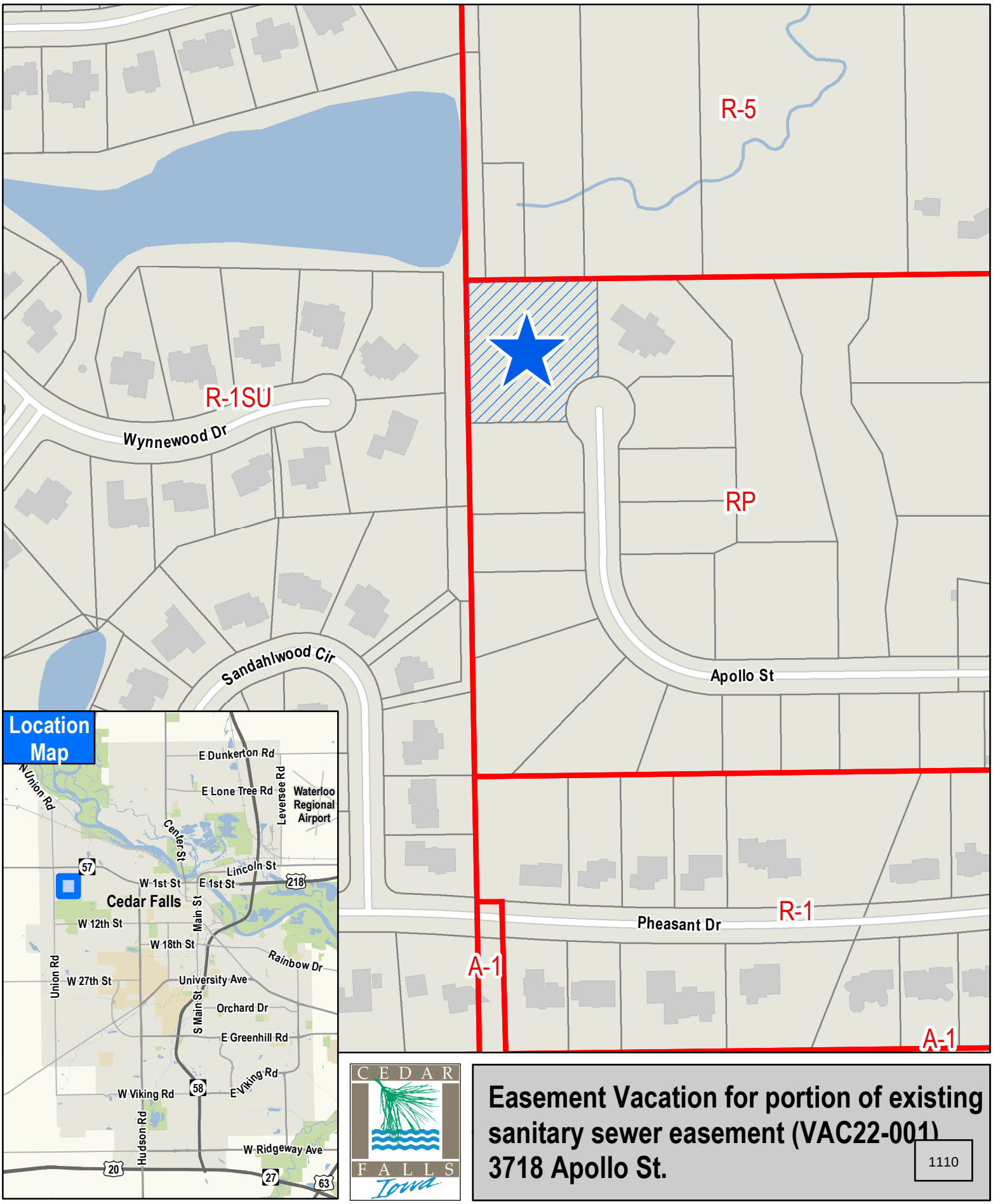
City staff recommends that on October 17th, 2022, the City Council schedule a Public Hearing on 7th November 2022 for said vacation of portion of existing 60-foot Sanitary sewer easement on property at 3718 Apollo Street.

PLANNING & ZONING COMMISSION

Discussion/Action 09/28/2022	Acting Chair Hartley introduced the item and Mr. Atodaria provided background information. It is proposed to vacate a portion of sanitary sewer easement at that address in the Pheasant Hollow 7th Addition. Engineering confirms that there would still be sufficient sanitary and utility easement to maintain and operate the services at that location. Staff notes that all other easements as platted are retained. Staff notes that the legal papers for the vacation must note that all other easements of record shall be retained. It is recommended to approve the vacation with any comments or direction from the Commission. Travis Stewart, 2317 Richard Road, engineer from CGA, stated that the developer requested that the easement be minimized to make that area more useful. Steve Bridges, 3816 Trent Lane, Waterloo, is the property owner to the south. He stated that he has no problem with what they’re doing but has an issue with the way it has been described. He noted that he believes that the lots mentioned were incorrect. Staff updated that the corrections will be done as needed. Ms. Lynch made a motion to approve the item. Mr. Larson seconded the motion. The motion was approved unanimously with 8 ayes (Crisman, Grybovych, Hartley, Holst, Larson, Lynch, Moser and Saul), and 0 nays.

Cedar Falls Planning and Zoning Commission
September 28, 2022

Item 22.



Easement Vacation for portion of existing sanitary sewer easement (VAC22-001)
3718 Apollo St.

1110

DEPARTMENT OF COMMUNITY DEVELOPMENT
EASEMENT VACATION APPLICATION

City of Cedar Falls
220 Clay Street
Cedar Falls, Iowa 50613

Applicant's Name: RYAN BORGWARDT

Applicant's Mailing Address: 4426 WYNNEWOOD DRIVE

City: CEDAR FALLS State: IA ZIP: 50613

Applicant's Email: ryan.borgwardt@gmail.com

Daytime Phone #: 563 357 2253

Location of Proposed Vacation: **LOTS 10 AND 11 IN PHEASANT HOLLOW, 7TH ADDITION**

What is the purpose of the easement? ☐Drainage ☒Utility ☐ Both Drainage and Utility ☐ Other

A COMPLETE SUBMITTAL INCLUDES A PAPER AND ELECTRONIC COPY OF:

☒ Cover letter stating intent and reason for Vacation of Easement request
☒ Nonrefundable fee: $200
☒ Lot numbers vacation would affect/ touches
☒ Vacate Awareness Form: signatures of owners of property where easement will be vacated
☒ Legal description of vacation area (Word)
☒ Plat of Survey (if applicable) (PDF)
☒ Verification that there are no utilities within the easement
☐ Drainage Easement
  ☐ If the easement is a drainage easement: a sub-basin drainage study by a licensed engineer, indicating what easement width is needed for the designed overland flow (what is the stormwater management plan)

To the best of my knowledge the foregoing and attached statements are true and correct, I sign this completed application with the intent of requesting an easement vacation.

Applicant's Signature

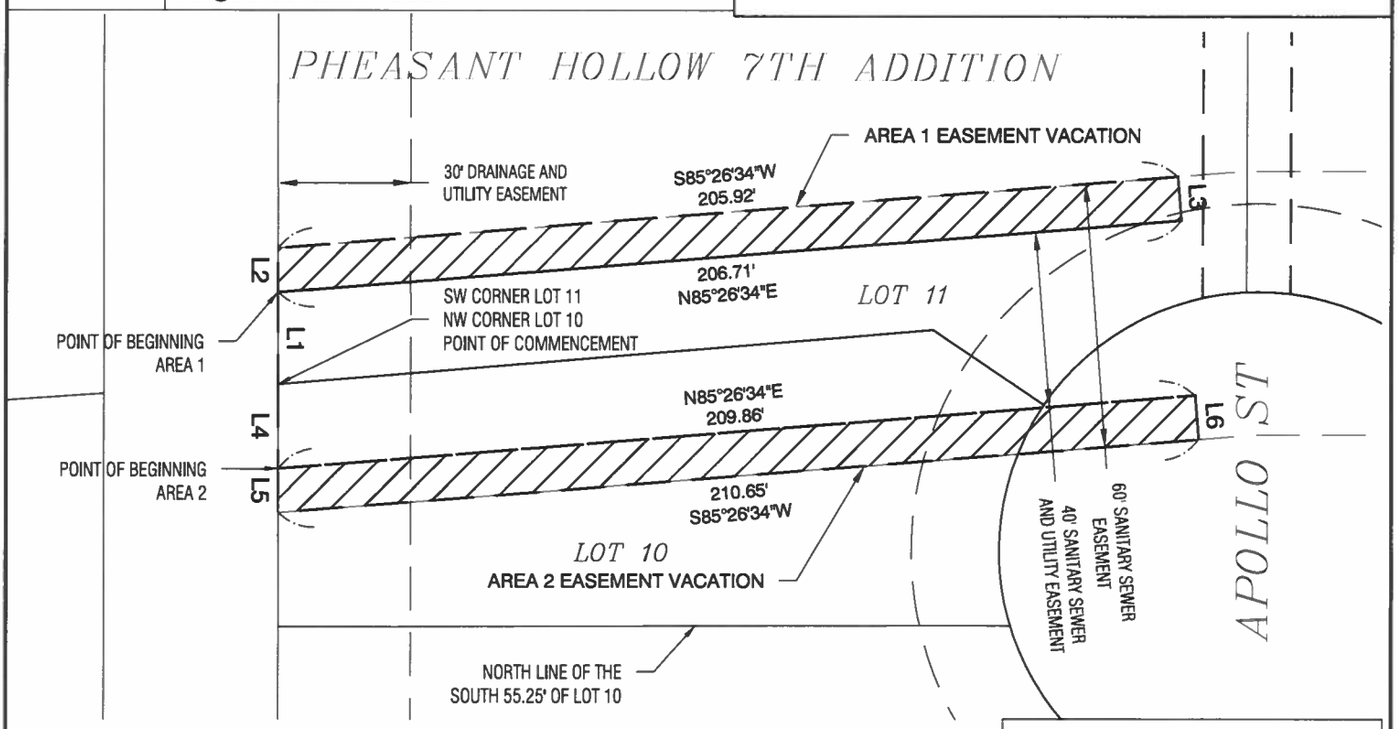
Date: 8.8.2022

EASEMENT VACATION EXHIBIT

Item 22.

INDEX LEGEND

LOCATION:	3718 APOLLO STREET, CEDAR FALLS, IOWA 50613
PROPRIETOR:	RYAN N. BORGWARDT
REQUESTED BY:	RYAN N. BORGWARDT
PREPARED BY: RETURN TO:	CLAPSADDLE-GARBER ASSOCIATES, INC, 5106 NORDIC DRIVE CEDAR FALLS, IOWA 50613 PHONE 319-266-0258 CGA@CGACONSULTANTS.COM



LINE DATA

LINE NUMBER	BEARING	DISTANCE
L1	N0°03'14"W	21.04'
L2	S0°03'14"E	10.03'
L3	N4°33'26"W	10.00'
L4	S0°03'14"E	19.08'
L5	N0°03'14"W	10.03'
L6	S4°33'26"E	10.00'

LEGAL DESCRIPTION:

AREA 1:

A 10.00 FOOT WIDE EASEMENT VACATION LOCATED WITHIN THE EXISTING 60 FOOT WIDE SANITARY SEWER EASEMENT AS SHOWN IN THE FINAL PLAT OF PHEASANT HOLLOW SEVENTH ADDITION, AS RECORDED IN FILE NO.2021-00000733, IN THE OFFICE OF THE RECORDER, BLACK HAWK COUNTY, IOWA. MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCING AT THE SOUTHWEST CORNER OF LOT 11, PHEASANT HOLLOW SEVENTH ADDITION, THENCE N0°03'14"W, 21.04 FEET ALONG THE WEST LINE OF SAID LOT 11 TO THE POINT OF BEGINNING, ALSO BEING THE NORTH LINE OF THE 40 FOOT SANITARY SEWER AND UTILITY EASEMENT; THENCE N85°26'34"E, 206.71 FEET ALONG THE NORTH LINE OF SAID 40 FOOT EASEMENT; THENCE N4°33'26"W, 10.00 FEET TO THE NORTH LINE OF THE 60 FOOT SANITARY SEWER EASEMENT; THENCE S85°26'34"W, 205.92 FEET ALONG THE NORTH LINE OF SAID 60 FOOT EASEMENT TO THE WEST LINE OF SAID LOT 11; THENCE S0°03'14"E, 10.03 FEET ALONG THE WEST LINE OF SAID LOT 11 TO THE POINT OF BEGINNING, CONTAINING 0.05 ACRES OR 2,063 SQUARE FEET. ALL OTHER EASEMENTS OF RECORD WILL BE RETAINED.

AREA 2:

A 10.00 FOOT WIDE EASEMENT VACATION LOCATED WITHIN THE EXISTING 60 FOOT WIDE SANITARY SEWER EASEMENT AS SHOWN IN THE FINAL PLAT OF PHEASANT HOLLOW SEVENTH ADDITION, AS RECORDED IN FILE NO.2021-00000733, IN THE OFFICE OF THE RECORDER, BLACK HAWK COUNTY, IOWA. MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCING AT THE NORTHWEST CORNER OF LOT 10, PHEASANT HOLLOW SEVENTH ADDITION, THENCE S0°03'14"E, 19.08 FEET ALONG THE WEST LINE OF SAID LOT 10 THE POINT OF BEGINNING, ALSO BEING THE SOUTH LINE OF THE 40 FOOT SANITARY AND UTILITY EASEMENT; THENCE N85°26'34"E, 209.86 FEET ALONG THE SOUTH LINE OF SAID 40 FOOT EASEMENT; THENCE S4°33'26"E, 10.00 FEET TO THE SOUTH LINE OF THE 60 FOOT SANITARY SEWER EASEMENT; THENCE S85°26'34"W, 210.65 FEET ALONG THE SOUTH LINE OF SAID 60 FOOT EASEMENT TO THE WEST LINE OF SAID LOT 10; THENCE N0°03'14"W, 10.03 FEET ALONG THE WEST LINE OF SAID LOT 10 TO THE POINT OF BEGINNING, CONTAINING 0.05 ACRES OR 2,106 SQUARE FEET. ALL OTHER EASEMENTS OF RECORD WILL BE RETAINED.

PHEASANT HOLLOW 7TH ADDITION EASEMENT VACATION in CEDAR FALLS, IOWA

N

SCALE 1"=200'

0 200'

TRAVIS R. STEWART LICENSED 17162 IOWA PROFESSIONAL LAND SURVEYOR

I hereby certify that this land surveying document was prepared and the related survey work was performed by me or under my direct personal supervision and that I am a duly Licensed Professional Land Surveyor under the laws of the State of Iowa.

10/05/2022

Travis R. Stewart, PLS — date

Iowa License Number 17162

My License Renewal Date is December 31, 2023

Pages or sheets covered by this seal: THIS SHEET

CGA

PROJECT NO.	5748
DATE:	08/03/2022
DRAWN BY:	LSK
FIELD CREW:	
SHEET NO.	1112

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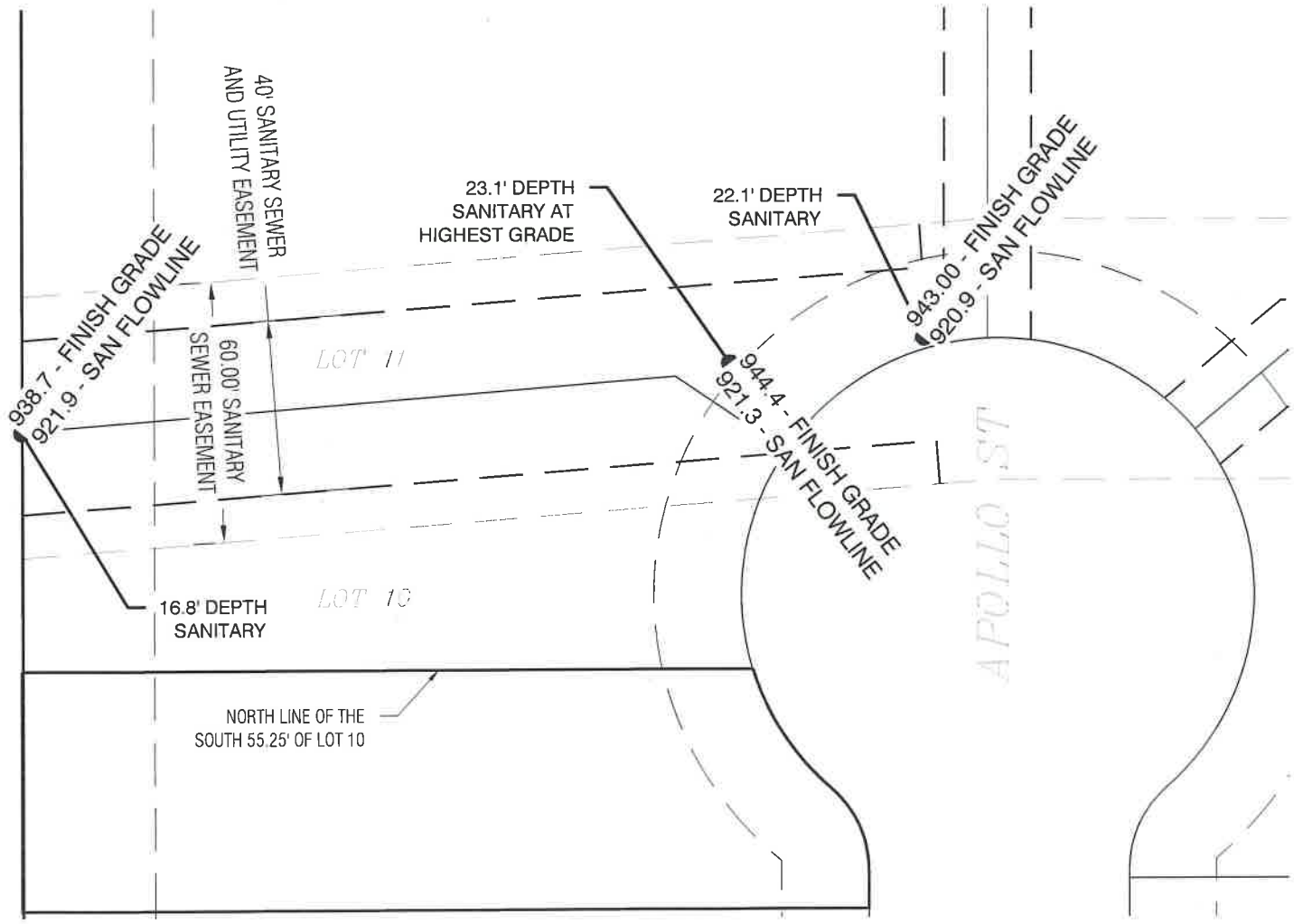


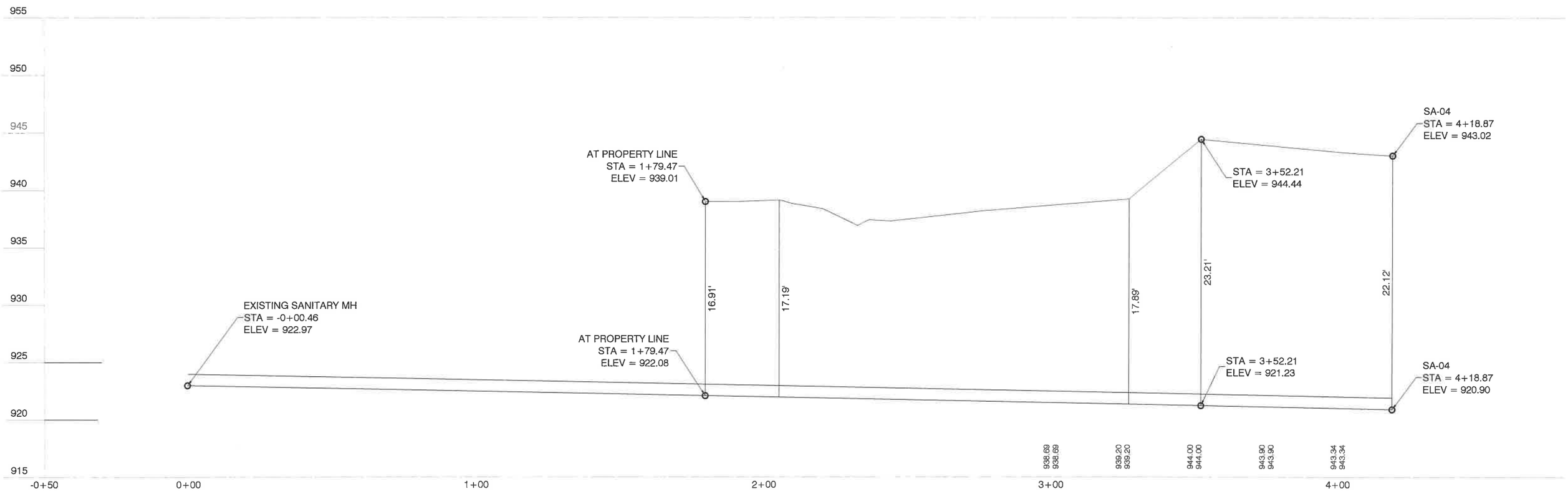
N

SCALE 1"=40'

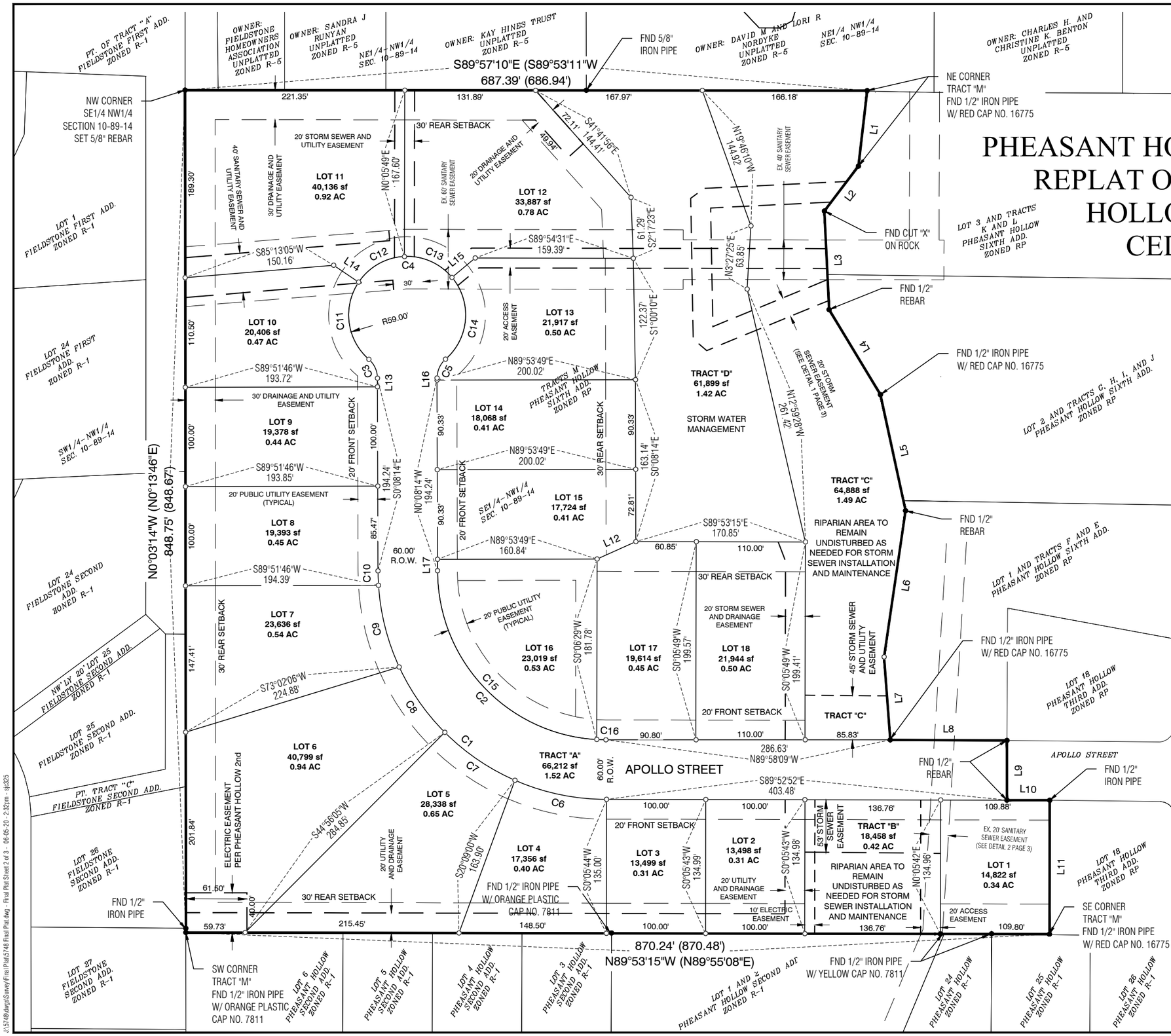
0 40'

Clapsaddle-Garber Associates, Inc
5106 Nordic Drive
Cedar Falls, Iowa 50613
Ph 319-266-0258
www.cgaconsultants.com

J:\5748\dwgs\Survey\Easement Vacation\5748 Easement Vacation.dwg - Portrait - 08-18-22 - 7:10am - lkoosmann


955
950
945
940
935
930
925
920
915
-0+50
0+00
1+00
2+00
3+00
4+00
EXISTING SANITARY MH
STA = -0+00.46
ELEV = 922.97
AT PROPERTY LINE
STA = 1+79.47
ELEV = 939.01
AT PROPERTY LINE
STA = 1+79.47
ELEV = 922.08
STA = 3+52.21
ELEV = 944.44
STA = 3+52.21
ELEV = 921.23
SA-04
STA = 4+18.87
ELEV = 943.02
SA-04
STA = 4+18.87
ELEV = 920.90
16.91'
17.19'
17.89'
23.21'
22.12'
938.69
938.69
939.20
939.20
944.00
944.00
943.90
943.90
943.34
943.34

FINAL PLAT
PHEASANT HOLLOW SEVENTH ADDITION
REPLAT OF TRACT "M" PHEASANT HOLLOW SIXTH ADDITION
CEDAR FALLS, IOWA



Clapsaddle-Garber Associates, Inc

Toll Free (800) 542-7981
www.cgaconsultants.com

DRAWN	SHEET NO.
BMC/SJC	2 OF 3
DATE	PROJECT NO.
05-19-2020	5748.0

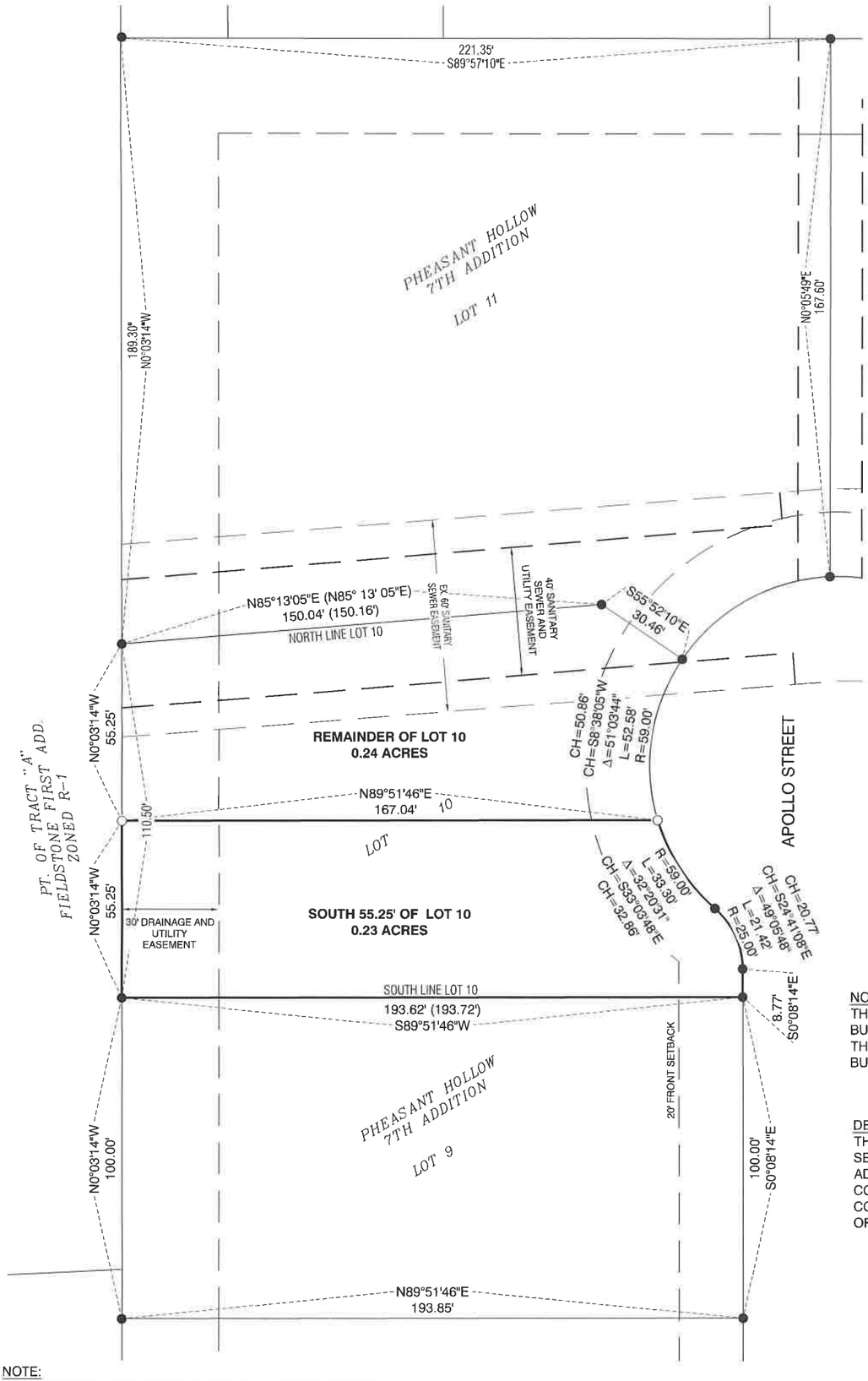
J:\5748\dwg\Survey\Final Plat\5748 Final Plat.dwg - Final Plat Sheet 2 of 3 - 06-05-20 - 2:32pm - sjc325

PLAT OF SURVEY

INDEX LEGEND	
LOCATION:	LOT 10 PHEASANT HOLLOW SEVENTH ADDITION, CEDAR FALLS, IOWA
PROPRIETOR:	WHITE COAT LLC SERIES II
SURVEY REQUESTED BY:	PHILLIP SHIRK
FIELD WORK COMPLETED:	9/15/2020
SURVEY PREPARED BY: RESPOND TO:	CLAPSADDLE-GARBER ASSOCIATES, INC, 5106 NORDIC DRIVE, CEDAR FALLS, IOWA 50613 PHONE 319-266-0258 TSTEWART@CGACONSULTANTS.COM

THIS PLAT OR SUBDIVISION HAS BEEN REVIEWED BY THE CITY OF CEDAR FALLS, IOWA.

SIGNATURE OF CEDAR FALLS DEVELOPMENT SERVICES MANAGER — DATE 10/2/20



NOTE:
THE SOUTH 55.25' OF LOT 10 IS NOT CONSIDERED A SEPARATE BUILDABLE LOT; IT SHALL BE COMBINED WITH LOT 9.
THE REMAINDER OF LOT 10 IS NOT CONSIDERED A SEPERATE BUILDABLE LOT; IT SHALL BE COMBINED WITH LOT 11.

DESCRIPTION
THE SOUTH 55.25' OF LOT 10 AS DESCRIBED IN PHEASANT HOLLOW SEVENTH ADDITION, REPLAT OF TRACT "M" PHEASANT HOLLOW SIXTH ADDITION, CEDAR FALLS, IOWA, AS RECORDED IN BLACK HAWK COUNTY RECORDER FILE 2020-00000733. THE SOUTH 55.25' OF LOT 10 CONTAINS 0.23 ACRES. SUBJECT TO EASEMENTS AND RESTRICTIONS OF RECORD, IF ANY.

NOTE:
ALL BEARINGS ARE THE RESULT OF G.P.S. OBSERVATIONS USING NAD83 IOWA STATE PLANE NORTH ZONE 5.

LEGEND:
- ▲ GOVERNMENT CORNER MONUMENT FOUND
- △ GOVERNMENT CORNER MONUMENT SET 1/2" x 30" REBAR w/ORANGE PLASTIC ID CAP #17162
- ● PARCEL OR LOT CORNER MONUMENT FOUND
- ○ SET 1/2" x 30" REBAR w/ORANGE PLASTIC ID CAP #17162
- ( ) RECORDED AS

N

SCALE 1"=40'
0 — 40'

LOT-SPLIT SURVEY
BLACK HAWK COUNTY

TRAVIS R. STEWART LICENSED 17162 IOWA PROFESSIONAL LAND SURVEYOR

I hereby certify that this land surveying document was prepared and the related survey work was performed by me or under my direct personal supervision and that I am a duly Licensed Professional Land Surveyor under the laws of the State of Iowa.

Oct 2, 2020

Travis R. Stewart, PLS — date
Iowa License Number 17162
My License Renewal Date is December 31, 2021
Pages or sheets covered by this seal: THIS SHEET

CGA
Clapsaddle-Garber Associates, Inc
Toll Free (800) 542-7981
www.cgaconsultants.com

DRAWN	SHEET NO.
BMC/SJC	1 OF 1
DATE	PROJECT NO.
9-29-2020	5748.05

J:\5748\dwgs\Survey\Lot 10 Split - 7-25-2020\5748 Lot 10 Split - Plat.dwg - Plat LDGR Portrait - 10-02-20 - 9:37am - trs246

DEPARTMENT OF COMMUNITY DEVELOPMENT

City of Cedar Falls
220 Clay Street
Cedar Falls, Iowa 50613
Phone: 319-273-8600
Fax: 319-273-8610
www.cedarfalls.com

MEMORANDUM

Planning & Community Services Division

TO: Honorable Mayor Robert Green and City Council

FROM: Michelle Pezley, Planner III

DATE: October 7, 2022

SUBJECT: Request to set date of public hearing reviewing the FFY21 Community Development Block Grant and HOME Programs Consolidated Annual Performance and Evaluation Report (CAPER)

As a requirement from HUD, the Community Development Department would like to request that a public hearing be held on Monday, November 7, 2022, to review the FFY21 Community Development Block Grant and HOME Program Consolidated Annual Performance and Evaluation Report (CAPER). The report contains the progress made on Community Development Block Grant funded activities from July 1, 2021, through June 30, 2022 (Federal Fiscal Year 2021). The report will be included in the next Council's agenda packet.

The Housing Commission will meet on October 19, 2022, to review the CAPER, and their recommendation will be included in the next staff memo.

Per the adopted CDBG Citizen Participation Plan, the notice of a 15-day review period is required and the notice will be published by October 24, 2022.

If you have any questions, please contact the Community Development Department.

Xc: Stephanie Houk Sheetz, AICP, Community Development Director
Karen Howard, AICP, Planning & Community Services Manager

DEPARTMENT OF COMMUNITY DEVELOPMENT

City of Cedar Falls
220 Clay Street
Cedar Falls, Iowa 50613
Phone: 319-273-8606
Fax: 319-273-8610
www.cedarfalls.com

MEMORANDUM

Planning & Community Services Division

TO: Mayor Robert M. Green and City Council

FROM: Karen Howard, AICP, Planning & Community Services Manager

DATE: October 17, 2022

SUBJECT: Petition from City Council to amend parking requirements in the Downtown Character District (TA22-004)

At the Committee meeting on August 15, 2022, the City Council directed staff to forward to the Planning and Zoning Commission a petition to eliminate the mandatory requirements for shared parking from the zoning code that currently apply in the Downtown Character District. The motion was made for this petition after a previous Council Committee discussion about the time and location standards for shared parking. It was decided that given the continued concerns about the shared parking requirements that the best course of action would be to eliminate these requirements from the zoning ordinance but continue to allow and even encourage voluntary agreements between property owners to share parking. In addition, a motion was made to increase the required parking for multi-unit dwellings from 0.75 spaces per bedroom to one parking space per bedroom.

Background

The Downtown Character District regulations were adopted by City Council on November 1, 2021. These new zoning regulations are intended to implement the *Imagine Downtown! Vision Plan* adopted in November of 2019. The vision plan was the result of public workshops, a week-long community design charrette, and other public outreach events that took place in 2019, where community members, including downtown merchants, property owners, residents, and other stakeholders were invited to share their feedback and ideas for the future of Downtown and surrounding neighborhoods.

The second phase of the project was to draft zoning regulations to encourage future development that is consistent with the adopted Vision. The draft code was presented to the public in February, 2021. The Commission considered the new code at four special work sessions and held 3 public hearings to consider public comments and suggestions for changes to the code. The Commission discussed all proposed changes to the draft and made decisions on each one before forwarding a final draft to the City Council for consideration in May 2021. The Planning & Zoning Commission's recommended draft was reviewed at three City Council Committee of the Whole meetings and two work sessions before a public hearing was scheduled. The draft was debated at three separate readings before being adopted on November 1, 2021.

In January 2022, the City Council petitioned the Planning and Zoning to consider eliminating the shared parking requirements in the code. Council expressed several concerns about the shared parking requirements, including concerns about requiring property owners to make their private property available for public use and about how the shared spaces will be managed and monitored over time. A majority of the City Council felt that the potential downsides outweighed the potential benefits of this requirement and

requested the Commission consider eliminating the shared parking requirements from the zoning code. They noted that property owners would still have the option to voluntarily share their parking with other users or the public. The Commission considered this request at a public hearing on February 9 and on a 3-4 vote disapproved the Council's petition.

At that same time the City Council also petitioned the Planning and Zoning Commission to consider increasing the parking requirement for multi-unit dwellings from 0.5 spaces per bedroom to 1 space per bedroom. Based on the recommendations of the parking study conducted by WGI in late 2018, along with stakeholder interviews during the Visioning process, the consultants drafting the Downtown Character District Code (Ferrell Madden), included a reduction in the parking requirements for residential within mixed-use and multi-unit buildings from 1 space per bedroom to 0.5 spaces per bedroom (along with 0.25 spaces per bedroom for shared parking).

A majority of the City Council expressed concerns about lowering the parking requirements for residential uses in multi-unit and mixed-use buildings downtown and petitioned the Commission to consider re-establishing the previous requirement of one parking space per bedroom.

At a public hearing on February 9th, a motion to approve the Council's petition failed for a lack of a second to the motion, and therefore was considered disapproved by the Planning and Zoning Commission.

As an alternative, the Planning and Zoning Commission on a separate motion recommended, on a 4-3 vote, approval of an amendment to City Code Section 26-196, Character District Parking to increase the parking requirement for residential uses in mixed-use and multi-unit buildings to 0.75 spaces per bedroom, but not less than 1 space per unit.

Based on the Planning and Zoning Commission's recommendations, the City Council approved the ordinance amendment to increase the parking requirement for residential uses in mixed-use and multi-unit buildings to 0.75 spaces per bedroom, but not less than one parking space per unit. After a public hearing and three readings, the amendment was adopted on April 4, 2022.

On September 14, 2022 the Planning and Zoning Commission discussed the Council's latest petition to eliminate the shared parking requirements from the Downtown Character District Code and the petition to increase the parking requirements for mixed-use and multi-unit buildings to 1 space per bedroom and held a public hearing on September 28, 2022 regarding the same.

(Note: For ease of review, the minutes from the Planning and Zoning Commission meetings from the original petition in January are attached below along with the minutes from the September 14th meeting and September 28th Planning and Zoning Commission meetings for this latest petition).

RECOMMENDATION:

After a public hearing on September 28, 2022, on vote of 1 aye (Saul) to 7 nays (Crisman, Grybovych, Hartley, Holst, Larson, Lynch and Moser), the Planning and Zoning Commission recommended denial of the petition from the City Council to eliminate the shared parking requirements from the Downtown Character District Code; and

On a vote of 1 aye (Saul) to 7 nays (Crisman, Grybovych, Hartley, Holst, Larson, Lynch and Moser), the Planning and Zoning Commission recommended denial of the petition from the City Council to increase the required parking for residential uses in mixed-use and multi-unit buildings from 0.75 spaces per bedroom to 1 space per bedroom.

Now, therefore, staff recommends that the Council set a public hearing date of November 7, 2022 to consider the recommendations of the Planning and Zoning Commission regarding each of the aforementioned petitions.

PLANNING & ZONING COMMISSION MINUTES FROM COUNCIL'S PREVIOUS PETITION

Discussion 1/26/2022

The first item of business was a zoning text amendment to amend CD-DT to eliminate shared parking requirements. Chair Leeper introduced the item and Ms. Howard provided background information. She explained that City Council has petitioned the Commission to consider amending the parking requirements in the Downtown Character District by deleting the requirements for shared parking and to increase the minimum parking requirement for multi-unit residential development to one space per bedroom and ensuring that there is at least one parking space per unit.

Ms. Howard provided a summary of the Downtown Visioning and Code update project for the new Planning and Zoning Commissioners who were not on the Commission during the public review process for the project. She displayed a rendering of the boundary of the Downtown Character District and discussed the previous zoning within the boundaries. She detailed the public review process that had taken place at the Planning and Zoning Commission before the Commission made their recommendation to the City Council in May of last year. Ms. Howard briefly described the two types of parking in the Central Business District, public and private. She discussed each and explained that the current issue is whether there should be parking requirements on private property in the downtown area. She explained why cities are moving away from focusing on zoning requirements for parking and more toward public shared parking solutions. She described the distinction between short-term and long-term parking needs, reasons why cities rely on public parking, particularly for short-term customer parking, and the unintended consequences of high parking requirements. Ms. Howard discussed the parking study that was done in 2018 and how those results affected the zoning standards proposed in the new zoning code. She noted that while other public parking options were being discussed to address downtown parking needs, such as construction of a public parking ramp, she explained that the focus of this meeting is on the zoning code and discussed the previous private parking requirements as well as the new code requirements. She also discussed the definition of shared parking. Staff recommends discussion of Council's request to eliminate shared parking requirements in the zoning Code and to increase the residential parking requirement back to one space per bedroom for new mixed-use and multi-unit buildings. It is recommended to set a public hearing date for February 9.

Mr. Larson made a motion to schedule a public hearing for February 9 for both items on the agenda. Ms. Lynch seconded the motion.

Mr. Holst asked about existing conditions for parking and how this will affect properties that are already established and previous requirements were met. Ms. Howard explained that it would only affect owners who are looking to make a change.

Mr. Larson asked for clarification on what would trigger new development as to when the shared parking requirement would be applicable. Ms. Howard stated that the only shared parking requirement is for new multi-family units, or for new upper floor commercial space that is greater than 5,000 square feet.

Mr. Larson asked how it will be decided what area of a parking lot is shared parking. Ms. Howard explained how the numbers are figured and how the spaces would be specified as available to the public. It was again clarified that these rules would not apply to existing properties.

Mr. Leeper asked for an example of how parking would be if requirements were increased to one space per bedroom. Ms. Howard gave River Place as an example and

presented the results from the parking study, which showed the percentage that was unused.

Ms. Grybovych asked about examples of how this has worked for other cities that have proposed lower parking requirements. Ms. Howard discussed findings from other communities and how they compare to Cedar Falls.

Ms. Crisman asked for clarification on whether private parking was just in lots or if it would include private garages. Ms. Howard stated that shared parking would only apply to new multi-unit or mixed-use buildings. Depending on how the parking is provided, it could be inside the building or be in surface lots. The owner would choose the best location for the shared parking spaces and would sign it for the hours it is available to the public.

Mr. Holst stated that he feels that going back to the way things were would cause the situation to digress and not allow for growth. It was recommended that documents and information from the previous studies, presentations and meetings be forwarded to the newest Commission members to give them some background on the information shared.

The motion to set a public hearing date for February 9th was approved unanimously with 9 ayes (Crisman, Grybovych, Hartley, Holst, Larson, Leeper, Lynch, Moser and Saul), and 0 nays.

Public Hearings
2/9/2022

The first item of business was a public hearing on a Zoning Text Amendment to eliminate shared parking requirements in the Downtown Character District. Chair Leeper introduced the item and Ms. Howard provided background information on the petition from Council.

Ms. Howard displayed the location of the Downtown Character District and noted that the details of the ordinance had been presented at the last meeting. She noted that if there were any questions about the current regulations in the Downtown Character District, the slides from the last meeting were available for viewing.

Eashaan Vajpeyi, 3831 Convair Lane, indicated that he was a spokesperson for a group of owners of property downtown. He feels there needs to be more specificity in the shared parking requirements to exempt certain businesses or to specify which businesses can afford to share their parking and which cannot. He gave the example of restaurants and how due to their hours they would not be able to shared their parking. He noted examples of potential issues and possible solutions.

Mr. Holst asked for clarification on the current requirements for shared parking. Ms. Howard clarified that the shared parking requirements only apply to new buildings with residential uses and upper floor commercial. There is no shared parking requirement for existing businesses or for ground floor commercial, including restaurants. Mr. Holst stated that parking has been a big concern for him throughout this project. However, he feels that a lot of time has been spent on review of this new code and that we should try things the way they are now set up before changing it.

Mr. Larson agreed and feels a great deal of work, research and math considered in coming up with the numbers. Those can be changed without scrapping the whole code

that everyone has put so much work into. He feels that trying it the way it is and adjusting as needed is the best plan. He believes that a great deal of time and effort has gone into the current code and it would be arbitrary to change the position on the numbers that were considered so seriously before.

Mr. Leeper stated that he doesn't feel that the shared parking requirement is very significant. He likes the idea of making the effort to fix the problem, but feels the shared parking is only meant to be a very small part of the overall approach to parking, so would be open to deleting it. Mr. Holst stated that he feels the need to forge ahead and at least give it a try to see how it works. The idea behind it is beneficial to the overall health of downtown and a lot of time and work has been put into researching all the information that was used to create the code.

Ms. Saul stated that she feels that if a developer wants to build downtown and is a good steward they will voluntarily do the sharing. She doesn't believe forcing the issue is necessary. She agreed with concerns about enforcement.

Mr. Hartley stated that he believes that some additional definition should be added, particularly with regard to underground and outdoor parking lots.

Ms. Saul made a motion to eliminate shared parking requirements. Ms. Grybovych seconded the motion. The motion was denied with 3 ayes (Grybovych, Leeper and Saul), and 4 nays (Crisman, Hartley, Holst and Larson).

Mr. Leeper asked if this can be brought back for consideration down the road to see how it is working. Ms. Howard stated that it can.

The next item for public hearing was a zoning text amendment to CD-DT to increase parking requirements for residential uses in multi-unit and mixed-use buildings. Chair Leeper introduced the item and Ms. Howard stated that the request from City Council is to consider increasing the parking requirement for residential uses in mixed-use or multi-unit buildings to one space per bedroom.

When asked, Ms. Howard noted that the Commission may discuss and vote to forward any alternative proposals for changes to the parking requirements by a separate motion.

Eashaan Vajpeyi asked for clarification on the requirements on the parking ratios. He discussed a map that was brought up that shows Halloween weekend in 2018 showing one surface residential parking lot that is only 52% full. He asked if anyone checked how occupied the building was. He feels that the accuracy of the numbers would need to include the building occupancy at the time to show the real parking ratio. He feels that there should be at least a minimum one spot per bedroom as he believes that more people have cars than are being counted. He feels that the ratio of spots and occupancy is very important.

Daryl Kruse, 2725 Minnetonka Drive, spoke regarding the parking study noting that, of the residents that live downtown, 35% do not have an assigned parking spot. Most park on the street or in a parking lot, consuming spots for customers. He also stated that the seating capacity for all the bars and restaurants downtown is very close to 4,000. If they are half full and everyone comes two per car, there are 1,000 cars that need to park. The parking study shows approximately 680 parking spots on the street. If new buildings are built without one spot per bedroom, parking will be very limited. He also had an issue with the difference in parking requirements for rentals from downtown and the rest of the town. He feels that one spot per bedroom should be the minimum.

Mr. Holst asked for clarification regarding the parking for studio apartments. Ms. Howard stated that a studio apartment would be considered one bedroom and would currently require 0.5 spots per resident and 0.25 for shared parking.

Ms. Saul made a motion to change the code to one parking space per residential unit. Mr. Larson seconded the motion.

Mr. Hartley said that changing the code to require at least one space per unit is a good idea, but the reality is that no one knows what the “magic” number regarding how many spaces per bedroom is until this is put into practice.

Mr. Leeper feels that requiring additional parking is a hindrance to development downtown and the environment that is attracting people downtown. People don’t come downtown for the parking. He asked for clarification on the parking study that was done and Ms. Howard stated that parking was counted different days and different times of day to get a feel for the overall parking situation. Mr. Leeper stated that this seems to be a good case study. Ms. Saul interjected that shared parking is also being required. Mr. Holst stated that that small of a change isn’t going to have that big of an impact either way.

Mr. Larson withdrew his second to the motion that was made to increase parking to one space per residential unit. The motion was removed from the table.

There was further discussion regarding an alternate motion. Mr. Holst stated that he feels that if the requirement is increased to one space, it would also include the shared parking requirement. He noted that he is not in favor of increasing to 1 space per bedroom and then have the additional 0.25 space in shared parking requirement, which would make it higher than it was before the new code was adopted. Mr. Larson noted that a lot of time was spent on the numbers and feels that it was well researched. This is just referring to new development and isn’t going to affect a great amount of parking.

Saul made a motion to increase the parking requirement for residential in multi-unit and mixed-use buildings to 0.75 per bedroom, but no less than one space per dwelling unit. Mr. Holst seconded the motion.

Mr. Larson stated that this is substantially over-parked compared to the current condition and reiterated that he feels that a great deal of objective thought, meetings and research went into the current requirement. Ms. Crisman agreed.

Ms. Saul feels that the increase is a good compromise as consultants are making these kinds of recommendations all over the country, but Cedar Falls may not be like all those other locations.

The motion was approved with 4 ayes (Hartley, Holst, Leeper and Saul), and 3 nays (Crisman, Grybovych and Larson)

Discussion 9/14/2022

The next item for consideration by the Commission was a zoning text amendment petition from City Council to amend parking requirements in the Downtown Character District. Chair Leeper introduced the item and Ms. Howard provided background information. She explained that Council has petitioned the Commission to amend requirements by deleting all requirements for shared parking in the Downtown Character District and to increase the minimum parking requirement for residential uses in multi-unit and mixed-use buildings from 0.75 spaces per bedroom to one space per bedroom.

Ms. Howard discussed the timeline of discussions at previous meetings and decisions that were made.

Ms. Moser asked if there have been issues that have caused them to re-evaluate the parking situation. Ms. Howard stated that she is not aware of any issues. Mr. Leeper stated that this exact conversation happened in January and Mr. Holst agreed, noting that this had been decided earlier this year. Mr. Larson asked for clarification as to why this is being brought back after a decision has already been made. Mr. Holst also noted that he's not sure if this is as big of an issue as it is being made. The shared parking requirement is not that significant for this to be an issue. Ms. Moser stated that she feels that the idea behind this was to try it out and see how it worked and then make changes as needed. She would like to continue to do that.

Ms. Moser made a motion to set a public hearing for the next Planning and Zoning Commission meeting. Ms. Crisman seconded the motion. The motion was approved unanimously with 6 ayes (Crisman, Grybovych, Holst, Larson, Leeper and Moser), and 0 nays.

Discussion 9/28/2022

The next item for consideration by the Commission was a public hearing for a zoning text amendment regarding parking requirements in the Downtown Character District. Acting Chair Hartley introduced the item and Ms. Howard provided background information. She noted that this item was introduced at the last meeting and explained that City Council has petitioned to amend the parking requirements for the Downtown Character District by deleting all requirements for shared parking and increasing the minimum parking requirements for residential in multi-unit and mixed-use buildings from 0.75 spaces per bedroom to one space per bedroom.

Craig Fairbanks, 405 Spruce Hills Drive, stated his support for removing the shared parking and increasing to one space per bedroom.

Mr. Holst asked about the current 0.75 spaces per bedroom and 0.25 spaces shared parking. As that is equal to one, he asked what happens if a developer says they don't want to provide shared parking could they just provide one parking stall per bedroom to get the total parking requirement and not have shared parking. Ms. Howard explained the several different options to provide shared parking, noting that there is only a certain period of time that parking has to be shared, so if they built all the parking on-site they would have to make at least 0.25 spaces per bedroom available to the public for the minimum amount of time required.

Ms. Moser asked if there have been any complaints from property owners about the code requirements. Ms. Howard stated that she is not aware of any.

Ms. Saul asked why this is coming back to the Commission if the mayor has stated that he will veto the decision if they vote to pass the items. Ms. Howard stated that she believes that he was speaking about a different code amendment being discussed at Council.

Mr. Hartley stated that he has struggled with this item as he understands property owners not wanting to be told what to do with their property, however he also understands the need for parking.

Mr. Larson stated that he feels that the Commission has gone over this extensively in the past and feels that it won't help to discuss it all again. He feels that parking isn't as

big of an issue based on the parking studies that have been done. He has no problem standing behind the original decision. Mr. Holst stated that the change hasn't had a chance to be tried out and he would like to see how it would work before changing his mind.

Ms. Saul stated concerns what happens if buildings go in and the original plan for shared parking doesn't work. Once it's been done it can't be undone. Ms. Crisman noted that this is a hypothetical problem and the only way to know if there is going to be a problem is if buildings go up. Right now this is more of a matter of opinion. There has been a great deal of discussion and that is the decision that was made based on a lot of time weighing the matter.

Ms. Lynch made a motion to approve deleting all shared parking in the Downtown District. Ms. Saul seconded the motion. The motion failed with 1 aye (Saul) and 7 nays (Crisman, Grybovych, Hartley, Holst, Larson, Lynch and Moser).

Ms. Lynch made a motion to approve increasing the parking requirement from 0.75 spaces per bedroom to one space per bedroom for mixed-use and multi-unit buildings in the Downtown Character District. Ms. Saul seconded the motion. The motion was denied with 1 aye (Saul) and 7 nays (Crisman, Grybovych, Hartley, Holst, Larson, Lynch and Moser).

DEPARTMENT OF FINANCE AND BUSINESS OPERATIONS

CITY OF CEDAR FALLS, IOWA
220 CLAY STREET
CEDAR FALLS, IOWA 50613
PHONE 319-273-8600
FAX 319-268-5126

MEMORANDUM

Legal Services Division

TO: Mayor Green, City Council

FROM: Kevin Rogers, City Attorney

DATE: October 11, 2022

SUBJECT: Fireworks ordinance amendment

Please find attached proposed changes to Section 16-24 of the Code of Ordinances relating to fireworks. These changes were discussed during the Public Safety Committee meeting on October 3, 2022.

The effects of the changes are that consumer fireworks shall be allowed on July 3 & 4 every year between noon and 10:30 p.m. but that Council may designate an additional day of allowed use by Resolution adopted no later than the last day of December for the following calendar year.

Also, the penalty clause of the ordinance was changed to conform to state law which makes fireworks violations a simple misdemeanor.

Please feel free to contact me with any questions.

ORDINANCE NO._____

AN ORDINANCE AMENDING SECTION 16-24, FIREWORKS, OF ARTICLE I, IN GENERAL, OF CHAPTER 16, OFFENSES AND MISCELLANEOUS PROVISIONS, OF THE CODE OF ORDINANCES OF THE CITY OF CEDAR FALLS, IOWA, CHANGING THE DATES AND TIMES OF ALLOWED USE OF CONSUMER FIREWORKS AND CHANGING THE PENALTY FOR VIOLATION TO A SIMPLE MISDEMEANOR.

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF CEDAR FALLS, IOWA:

Subsection 16-24(b), Prohibitions and Use, of Section 16-24, Fireworks, of Article I, In General, of Chapter 16, Offenses and Miscellaneous Provisions, of the Code of Ordinances of the City of Cedar Falls, Iowa, is hereby repealed in its entirety and a new Subsection 16-24(b), Prohibitions and Use, is enacted in lieu thereof, as follows:

(b) *Prohibitions and use.*

(1) It shall be unlawful for any person to use or explode any consumer fireworks within the corporate limits of the City of Cedar Falls except on July 3 and July~~,~~ 4~~, and 5~~ of each year between the hours of 12:00 noon and 10:30~~11:00~~ p.m.~~ on July 4 and between the hours of 12:00 noon and 10:00 p.m. on July 3 and July 5~~. An additional day of allowed use may be designated by resolution of council if adopted no later than the last day of December each year to apply to the following calendar year. This section shall not apply to novelties.

(2) The use of consumer fireworks that mimic display fireworks or rise to 150 decibels or to 210 feet elevation is banned from use at all times within the corporate limits of the City of Cedar Falls unless the user has obtained a permit as provided in subsection 16-24(e).

(3) Consistent with the Code of Iowa, use of fireworks within the corporate limits of the City of Cedar Falls~~, when such occurs on July 3, 4, and 5,~~ shall only occur on the user's owned real property or on real property where the owner has given consent prior to use. Use of fireworks, unless a permit has been obtained, is not allowed on city-owned property, public sidewalks, rights-of-way, streets, parks, or parking lots.~~ Use is not allowed on real property if that real property is not owned by the user of fireworks unless the owner has given consent prior to use.~~

(4) It is prohibited to direct the use of consumer fireworks in any direction other than onto the user's owned real property or the real property where the owner has given prior consent.

(5) All consumer firework debris shall be removed from the user's real property or wherever such use has resulted in its debris being located.

(c) *Exceptions.* This section shall not apply to the use of blank cartridges for a show or the theater, or for signal purposes in athletic sports or by railroads or trucks, for signal purposes, or by a recognized military organization. This section shall not apply to any substance or composition prepared and sold for medicinal or fumigation purposes. This section shall not apply to a person using or exploding fireworks under a valid permit as provided in subsection 16-24(e).

(d) *Enforcement.*

(1) Citations for violation of this section 16-24 shall be directed to the person observed/found to have violated this section or the owner of real property on which the evidence exists of violation of this section. Furthermore, where evidence of violation of noise or nuisance ordinances exists, such citations may also be written.

(2) The vendors of fireworks shall be monitored during sales periods as to type of consumer fireworks sold and for compliance with subsection 16-24(f).

(e) *Display fireworks.* The council may, upon application in writing, grant a permit for the use and explosion of display fireworks within the city limits by municipalities, fair associations, amusement parks, and other organizations or groups of individuals when the use and explosion of such display fireworks will be handled by a competent operator, and proof of liability insurance is shown. (See also section 9-20.)

(f) *Sales*. A seller of consumer fireworks must possess a license from the state fire marshal. Any retailer or community group selling consumer fireworks must prominently display, at the entrance and exit sites, signs informing customers that the use of consumer fireworks is prohibited within the corporate limits of the City of Cedar Falls except on the dates and times authorized by this section.

(g) *Violation; Appeal.* A person who violates this section commits a simple misdemeanor punishable by a fine of not less than two hundred fifty dollars.~~Violation of this section or interference with enforcement of any of the provisions of this section shall be guilty of a municipal infraction punishable by a civil penalty in the minimum amount of $375.00 for the first offense. Second and subsequent offenses shall be punishable as provided in subsection 1-9(a)~~.

(Code 2017, § 19-24; Ord. No. 2555, § 12, 10-24-2005; Ord. No. 3011, § 1, 6-6-2022)

INTRODUCED: _____

PASSED 1ST CONSIDERATION: _____

PASSED 2ND CONSIDERATION: _____

PASSED 3RD CONSIDERATIONI: _____

ADOPTED: _____

_____

Robert M. Green, Mayor

ATTEST:

_____

Jacqueline Danielsen, MMC, City Clerk

Daily Invoices for 10/17/22 Council meeting

PREPARED 10/11/2022, 8:19:51
PROGRAM GM360L
CITY OF CEDAR FALLS

ACCOUNT ACTIVITY LISTING

ACCOUNTING PERIOD 03/2023

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	TRANSACTION NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 101 GENERAL FUND									
101-0000-213.00-00 CURRENT LIABILITY / SALES TAX PAYABLE									
377		03/23	AP	09/09/22	0006445	IOWA DEPT.OF REVENUE RECREATION	2,043.08		10/03/22
		MONTHLY SALES TAX							
		ACCOUNT TOTAL					2,043.08	.00	2,043.08
101-1008-441.83-04 TRANSPORTATION&EDUCATION / DUES & MEMBERSHIPS									
490		03/23	AP	09/26/22	0397562	IMFOA	20.00		09/27/22
		MEMBERSHIP-M.BREITBACH							
		ACCOUNT TOTAL					20.00	.00	20.00
101-1008-441.83-06 TRANSPORTATION&EDUCATION / EDUCATION									
490		03/23	AP	09/26/22	0397561	IMFOA DES MOINES	125.00		09/27/22
		REG:FALL CONF.-DANIELSEN							
490		03/23	AP	09/26/22	0397561	IMFOA DES MOINES	125.00		09/27/22
		REG:FALL CONF.-BREITBACH							
		ACCOUNT TOTAL					250.00	.00	250.00
101-1028-441.83-06 TRANSPORTATION&EDUCATION / EDUCATION									
490		03/23	AP	09/26/22	0397561	IMFOA DES MOINES	125.00		09/27/22
		REG:FALL CONF.-L.ROEDING							
		ACCOUNT TOTAL					125.00	.00	125.00
101-1028-441.89-17 MISCELLANEOUS SERVICES / BANK SERVICE CHARGES									
377		03/23	AP	09/30/22	0006442	FARMERS STATE BANK MIDWEST CD INTEREST	12.00		10/03/22
		INCOMING WIRE FEE							
377		03/23	AP	09/30/22	0006441	FARMERS STATE BANK COLLINS MONEY MARKET	20.00		10/03/22
		OUTGOING WIRE FEE							
377		03/23	AP	09/21/22	0006440	FARMERS STATE BANK 09/23/22 PAYROLL	20.00		10/03/22
		VOYA OUTGOING WIRE							
377		03/23	AP	09/14/22	0006438	FARMERS STATE BANK FLOOD BUYOUT MORTGAGE PMT	20.00		10/03/22
		OUTGOING WIRE FEE							
377		03/23	AP	09/14/22	0006439	FARMERS STATE BANK FLOOD BUYOUT PAYMENT	20.00		10/03/22
		OUTGOING WIRE FEE							
377		03/23	AP	09/07/22	0006437	FARMERS STATE BANK 09/09/22 PAYROLL	20.00		10/03/22
		VOYA OUTGOING WIRE							
377		03/23	AP	09/01/22	0006480	WELLS FARGO BANK, N.A. 07/29/22 MM TRANSFER	30.00		10/03/22
		JULY WIRE FEE							
		ACCOUNT TOTAL					142.00	.00	142.00
101-1038-441.81-32 PROFESSIONAL SERVICES / TUITION ASSISTANCE									

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	TRANSACTION NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 101 GENERAL FUND									
101-1038-441.81-32 PROFESSIONAL SERVICES / TUITION ASSISTANCE							continued		
567		04/23	AP	10/04/22	0397731	SMITH JR, TIMOTHY B	1,134.00		10/07/22
		TUITION REIMBURSEMENT				LDRSHP.THEORY & PRACTICE			
						ACCOUNT TOTAL	1,134.00	.00	1,134.00
101-1038-441.89-82 MISCELLANEOUS SERVICES / SECTION 105									
377		03/23	AP	09/07/22	0006449	ISOLVED BENEFIT SERVICES, INC	700.35		10/03/22
		CAFE ADMIN FEE-AUG'22							
						ACCOUNT TOTAL	700.35	.00	700.35
101-1060-423.71-01 OFFICE SUPPLIES / OFFICE SUPPLIES									
356		04/23	AP	09/12/22	0397721	OFFICE EXPRESS OFFICE PRODUCT	201.21		09/30/22
		3/4" REMOVABLE TAPE &				LETTER SIZE PAPER			
						ACCOUNT TOTAL	201.21	.00	201.21
101-1060-423.72-19 OPERATING SUPPLIES / PRINTING									
356		04/23	AP	09/06/22	0397724	STOREY KENWORTHY	148.58		09/30/22
		BUSINESS CARDS 4 HOSFORD,				NEDWICK, REFER			
						ACCOUNT TOTAL	148.58	.00	148.58
101-1060-423.72-76 OPERATING SUPPLIES / PUBLIC RELATIONS									
393		04/23	AP	09/02/22	0397719	MOTION PICTURE LICENSING CORP	243.48		09/30/22
		SITE LICENSE RENEW 1 YEAR				11/01/22-11/01/23			
						ACCOUNT TOTAL	243.48	.00	243.48
101-1060-423.72-99 OPERATING SUPPLIES / POSTAGE									
393		04/23	AP	08/28/22	0397723	QUADIENT FINANCE USA, INC.	300.00		09/30/22
		POSTAGE							
						ACCOUNT TOTAL	300.00	.00	300.00
101-1060-423.73-06 OTHER SUPPLIES / BUILDING REPAIR									
356		04/23	AP	08/31/22	0397706	ALLIED GLASS PRODUCTS	4,982.00		09/30/22
		DOOR HARDWARE INSTALATION							
						ACCOUNT TOTAL	4,982.00	.00	4,982.00
101-1060-423.81-91 PROFESSIONAL SERVICES / LICENSES & SERVICE CONTRT									

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	TRANSACTION NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 101 GENERAL FUND									
101-1060-423.81-91 PROFESSIONAL SERVICES / LICENSES & SERVICE CONTRT						continued			
393		04/23	AP	09/12/22	0397717	GORDON FLESCH COMPANY INC 015-1483981-000	923.47		09/30/22
		COPIER CONTRACT							
						ACCOUNT TOTAL	923.47	.00	923.47
101-1060-423.85-01 UTILITIES / UTILITIES									
356		04/23	AP	09/05/22	0397711	CEDAR FALLS UTILITIES	8,237.62		09/30/22
		LIBRARY UTILITIES							
						ACCOUNT TOTAL	8,237.62	.00	8,237.62
101-1060-423.86-01 REPAIR & MAINTENANCE / REPAIR & MAINTENANCE									
393		04/23	AP	09/16/22	0397707	ARAMARK	23.55		09/30/22
		LIBRARY MAT SERVICE							
356		04/23	AP	09/02/22	0397707	ARAMARK	23.55		09/30/22
		LIBRARY MAT SERVICE							
377		03/23	AP	09/02/22	0006467	PROFESSIONAL SOLUTIONS	48.36		10/03/22
		AUGUST CREDIT CARD FEES							
						ACCOUNT TOTAL	95.46	.00	95.46
101-1060-423.89-20 MISCELLANEOUS SERVICES / ADULT BOOKS									
508		03/23	AP	12/13/21	0396798	WIDENER UNIVERSITY ADULT BOOKS		75.00	09/29/22
		VOID CK-RETURNED BOOKS							
						ACCOUNT TOTAL	.00	75.00	75.00-
101-1060-423.89-33 MISCELLANEOUS SERVICES / FRIENDS SUPPORTED PROGRAM									
356		04/23	AP	08/30/22	0397708	BAKER & TAYLOR BOOKS	148.50		09/30/22
		FOTL:ADULT-ADULT BOOKS							
						ACCOUNT TOTAL	148.50	.00	148.50
101-1061-423.64-02 INSURANCE / HEALTH INS. REIMBURSEMENT									
377		03/23	AP	09/15/22	0006450	ISOLVED BENEFIT SERVICES, INC	100.00		10/03/22
		HEALTH INS. REIMBURSEMENT							
377		03/23	AP	09/15/22	0006450	ISOLVED BENEFIT SERVICES, INC	400.00		10/03/22
		HEALTH INS. REIMBURSEMENT							
						ACCOUNT TOTAL	500.00	.00	500.00
101-1061-423.71-11 OFFICE SUPPLIES / TECHNICAL PROCESSING SUPP									
356		04/23	AP	08/18/22	0397715	DEMCO, INC	153.22		09/30/22

GROUP NBR	PO NBR	ACCTG PER.	TRANSACTION CD	DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 101 GENERAL FUND									
101-1061-423.71-11 OFFICE SUPPLIES / TECHNICAL PROCESSING SUPP						continued			
						CLASSIFICATION LABELS & FILAMENT TAPE			
						ACCOUNT TOTAL	153.22	.00	153.22
101-1061-423.81-91 PROFESSIONAL SERVICES / LICENSES & SERVICE CONTRT									
356		04/23	AP	09/01/22	0397720	OCLC, INC.	779.19		09/30/22
						CATALOG AND METADATA SUBSCRIPTION			
						ACCOUNT TOTAL	779.19	.00	779.19
101-1061-423.89-20 MISCELLANEOUS SERVICES / ADULT BOOKS									
393		04/23	AP	09/19/22	0397708	BAKER & TAYLOR BOOKS	230.68		09/30/22
						ADULT BOOKS			
393		04/23	AP	09/15/22	0397708	BAKER & TAYLOR BOOKS	117.13		09/30/22
						ADULT BOOKS			
393		04/23	AP	09/14/22	0397708	BAKER & TAYLOR BOOKS	192.92		09/30/22
						ADULT BOOKS			
393		04/23	AP	09/14/22	0397708	BAKER & TAYLOR BOOKS	17.83		09/30/22
						ADULT BOOKS			
393		04/23	AP	09/13/22	0397708	BAKER & TAYLOR BOOKS	230.50		09/30/22
						ADULT BOOKS			
393		04/23	AP	09/13/22	0397708	BAKER & TAYLOR BOOKS	312.56		09/30/22
						ADULT BOOKS			
356		04/23	AP	09/12/22	0397708	BAKER & TAYLOR BOOKS	493.78		09/30/22
						ADULT BOOKS			
356		04/23	AP	09/06/22	0397708	BAKER & TAYLOR BOOKS	392.46		09/30/22
						ADULT BOOKS			
356		04/23	AP	08/30/22	0397708	BAKER & TAYLOR BOOKS	162.66		09/30/22
						ADULT BOOKS			
356		04/23	AP	08/26/22	0397708	BAKER & TAYLOR BOOKS	184.67		09/30/22
						ADULT BOOKS			
356		04/23	AP	08/23/22	0397708	BAKER & TAYLOR BOOKS	206.27		09/30/22
						ADULT BOOKS			
356		04/23	AP	06/29/22	0397710	CEDAR FALLS COMMUNITY SCHOOLS	130.00		09/30/22
						ADULT BOOKS (HIGH SCHOOL YEARBOOKS)			
						ACCOUNT TOTAL	2,671.46	.00	2,671.46
101-1061-423.89-21 MISCELLANEOUS SERVICES / YOUNG ADULT BOOKS									
393		04/23	AP	09/19/22	0397708	BAKER & TAYLOR BOOKS	80.71		09/30/22
						YOUNG ADULT BOOKS			
393		04/23	AP	09/15/22	0397708	BAKER & TAYLOR BOOKS	11.39		09/30/22
						YOUNG ADULT BOOKS			
393		04/23	AP	09/13/22	0397708	BAKER & TAYLOR BOOKS	523.81		09/30/22
						YOUNG ADULT BOOKS			
356		04/23	AP	09/12/22	0397708	BAKER & TAYLOR BOOKS	33.57		09/30/22

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 101 GENERAL FUND									
101-1061-423.89-21 MISCELLANEOUS SERVICES / YOUNG ADULT BOOKS							continued		
		YOUNG ADULT BOOKS							
356		04/23	AP	08/26/22	0397708	BAKER & TAYLOR BOOKS	20.21		09/30/22
		YOUNG ADULT BOOKS							
356		04/23	AP	08/23/22	0397708	BAKER & TAYLOR BOOKS	156.17		09/30/22
		YOUNG ADULT BOOKS							
						ACCOUNT TOTAL	825.86	.00	825.86
101-1061-423.89-22 MISCELLANEOUS SERVICES / YOUTH BOOKS									
393		04/23	AP	09/19/22	0397708	BAKER & TAYLOR BOOKS	125.33		09/30/22
		YOUTH BOOKS							
393		04/23	AP	09/15/22	0397708	BAKER & TAYLOR BOOKS	194.31		09/30/22
		YOUTH BOOKS							
393		04/23	AP	09/13/22	0397708	BAKER & TAYLOR BOOKS	1,447.10		09/30/22
		YOUTH BOOKS							
393		04/23	AP	09/13/22	0397708	BAKER & TAYLOR BOOKS	10.82		09/30/22
		YOUTH BOOKS							
356		04/23	AP	09/12/22	0397708	BAKER & TAYLOR BOOKS	179.27		09/30/22
		YOUTH BOOKS							
356		04/23	AP	09/06/22	0397708	BAKER & TAYLOR BOOKS	38.28		09/30/22
		YOUTH BOOKS							
356		04/23	AP	08/26/22	0397708	BAKER & TAYLOR BOOKS	69.72		09/30/22
		YOUTH BOOKS							
356		04/23	AP	08/23/22	0397708	BAKER & TAYLOR BOOKS	93.22		09/30/22
		YOUTH BOOKS							
						ACCOUNT TOTAL	2,158.05	.00	2,158.05
101-1061-423.89-23 MISCELLANEOUS SERVICES / LARGE PRINT BOOKS									
393		04/23	AP	09/19/22	0397708	BAKER & TAYLOR BOOKS	17.40		09/30/22
		LARGE PRINT BOOKS							
393		04/23	AP	09/15/22	0397708	BAKER & TAYLOR BOOKS	16.80		09/30/22
		LARGE PRINT BOOKS							
393		04/23	AP	09/14/22	0397712	CENGAGE LEARNING INC	101.46		09/30/22
		LARGE PRINT BOOKS							
356		04/23	AP	09/12/22	0397708	BAKER & TAYLOR BOOKS	36.60		09/30/22
		LARGE PRINT BOOKS							
356		04/23	AP	09/07/22	0397712	CENGAGE LEARNING INC	24.49		09/30/22
		LARGE PRINT BOOKS							
356		04/23	AP	09/06/22	0397712	CENGAGE LEARNING INC	24.49		09/30/22
		LARGE PRINT BOOKS							
356		04/23	AP	09/02/22	0397712	CENGAGE LEARNING INC	21.69		09/30/22
		LARGE PRINT BOOKS							
356		04/23	AP	09/01/22	0397713	CENTER POINT LARGE PRINT	49.14		09/30/22
		LARGE PRINT BOOKS							
356		04/23	AP	08/30/22	0397708	BAKER & TAYLOR BOOKS	14.99		09/30/22
		LARGE PRINT BOOKS							

GROUP NBR	PO NBR	ACCTG PER.	TRANSACTION CD	DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 101 GENERAL FUND									
101-1061-423.89-23 MISCELLANEOUS SERVICES / LARGE PRINT BOOKS							continued		
356		04/23	AP	08/30/22	0397712	CENGAGE LEARNING INC LARGE PRINT BOOKS	47.59		09/30/22
						ACCOUNT TOTAL	354.65	.00	354.65
101-1061-423.89-24 MISCELLANEOUS SERVICES / ADULT AUDIO									
393		04/23	AP	09/20/22	0397709	BAKER & TAYLOR ENTERTAINMENT ADULT CD MUSIC	44.97		09/30/22
393		04/23	AP	09/15/22	0397708	BAKER & TAYLOR BOOKS ADULT CD BOOKS	13.74		09/30/22
356		04/23	AP	08/23/22	0397708	BAKER & TAYLOR BOOKS ADULT CD BOOKS	22.00		09/30/22
						ACCOUNT TOTAL	80.71	.00	80.71
101-1061-423.89-25 MISCELLANEOUS SERVICES / ADULT VIDEO									
393		04/23	AP	09/16/22	0397709	BAKER & TAYLOR ENTERTAINMENT ADULT VIDEOS	32.19		09/30/22
393		04/23	AP	09/14/22	0397709	BAKER & TAYLOR ENTERTAINMENT ADULT VIDEOS	64.36		09/30/22
356		04/23	AP	09/12/22	0397709	BAKER & TAYLOR ENTERTAINMENT ADULT VIDEOS	227.40		09/30/22
356		04/23	AP	09/09/22	0397709	BAKER & TAYLOR ENTERTAINMENT ADULT VIDEOS	41.98		09/30/22
356		04/23	AP	09/02/22	0397709	BAKER & TAYLOR ENTERTAINMENT ADULT VIDEOS	40.57		09/30/22
356		04/23	AP	08/26/22	0397709	BAKER & TAYLOR ENTERTAINMENT ADULT VIDEOS	18.19		09/30/22
						ACCOUNT TOTAL	424.69	.00	424.69
101-1061-423.89-26 MISCELLANEOUS SERVICES / NON-PRINT RESOURCES									
356		04/23	AP	09/08/22	0397718	INGRAM ENTERTAINMENT INC. YOUNG ADULT VIDEO GAMES	310.95		09/30/22
356		04/23	AP	08/31/22	0397718	INGRAM ENTERTAINMENT INC. YOUNG ADULT VIDEO GAMES	46.99		09/30/22
356		04/23	AP	08/30/22	0397718	INGRAM ENTERTAINMENT INC. YOUNG ADULT VIDEO GAMES	126.97		09/30/22
356		04/23	AP	08/26/22	0397718	INGRAM ENTERTAINMENT INC. YOUNG ADULT VIDEO GAMES	126.97		09/30/22
356		04/23	AP	08/24/22	0397718	INGRAM ENTERTAINMENT INC. YOUNG ADULT VIDEO GAMES	96.97		09/30/22
356		04/23	AP	08/24/22	0397718	INGRAM ENTERTAINMENT INC. YOUNG ADULT VIDEO GAMES	46.99		09/30/22
						ACCOUNT TOTAL	755.84	.00	755.84

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	TRANSACTION NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 101 GENERAL FUND									
101-1061-423.89-29 MISCELLANEOUS SERVICES / NEWSPAPERS									
482		04/23	AP	09/13/22	0397714	COURIER COMMUNICATIONS	579.00		09/28/22
		NEWSPAPER SUBSCRIPTION				10/6/22-10/5/22			
		ACCOUNT TOTAL					579.00	.00	579.00
101-1061-423.89-36 MISCELLANEOUS SERVICES / YOUTH VIDEO									
356		04/23	AP	09/07/22	0397716	FINDAWAY WORLD LLC	845.45		09/30/22
		YOUTH LAUNCHPADS							
		ACCOUNT TOTAL					845.45	.00	845.45
101-1061-423.89-37 MISCELLANEOUS SERVICES / YOUNG ADULT AUDIO									
393		04/23	AP	09/13/22	0397708	BAKER & TAYLOR BOOKS	21.99		09/30/22
		YOUNG ADULT CD BOOKS							
356		04/23	AP	09/12/22	0397716	FINDAWAY WORLD LLC	284.95		09/30/22
		YOUNG ADULT PLAYAWAY				AUDIO			
		ACCOUNT TOTAL					306.94	.00	306.94
101-1061-423.89-42 MISCELLANEOUS SERVICES / ADULT E-MATERIALS									
393		04/23	AP	09/20/22	0397722	OVERDRIVE, INC.	95.00		09/30/22
		ADULT AUDIO BOOKS							
393		04/23	AP	09/20/22	0397722	OVERDRIVE, INC.	95.00		09/30/22
		ADULT AUDIO BOOKS							
393		04/23	AP	09/20/22	0397722	OVERDRIVE, INC.	27.50		09/30/22
		ADULT E-BOOKS							
356		04/23	AP	09/06/22	0397722	OVERDRIVE, INC.	60.00		09/30/22
		ADULT E-BOOKS							
356		04/23	AP	09/06/22	0397722	OVERDRIVE, INC.	39.99		09/30/22
		ADULT AUDIO BOOKS							
356		04/23	AP	08/31/22	0397722	OVERDRIVE, INC.	44.33		09/30/22
		ADULT E-BOOKS							
356		04/23	AP	08/31/22	0397722	OVERDRIVE, INC.	401.64		09/30/22
		ADULT AUDIO BOOKS							
356		04/23	AP	08/31/22	0397722	OVERDRIVE, INC.	66.50		09/30/22
		ADULT AUDIO BOOKS							
356		04/23	AP	08/30/22	0397722	OVERDRIVE, INC.	60.00		09/30/22
		ADULT E-BOOKS							
356		04/23	AP	08/30/22	0397722	OVERDRIVE, INC.	95.00		09/30/22
		ADULT AUDIO BOOKS							
356		04/23	AP	08/30/22	0397722	OVERDRIVE, INC.	65.00		09/30/22
		ADULT E-BOOKS							
356		04/23	AP	08/30/22	0397722	OVERDRIVE, INC.	99.00		09/30/22
		ADULT AUDIO BOOKS							
356		04/23	AP	08/30/22	0397722	OVERDRIVE, INC.	27.50		09/30/22
		ADULT E-BOOKS							

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	TRANSACTION NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 101 GENERAL FUND									
101-1061-423.89-42 MISCELLANEOUS SERVICES / ADULT E-MATERIALS							continued		
						ACCOUNT TOTAL	1,176.46	.00	1,176.46
101-1061-423.89-44 MISCELLANEOUS SERVICES / YOUNG ADULT E-MATERIALS									
356		04/23	AP	08/25/22	0397722	OVERDRIVE, INC.	516.76		09/30/22
		YOUNG ADULT E-BOOKS							
356		04/23	AP	08/25/22	0397722	OVERDRIVE, INC.	238.36		09/30/22
		YOUNG ADULT AUDIO BOOKS							
						ACCOUNT TOTAL	755.12	.00	755.12
101-1061-423.89-46 MISCELLANEOUS SERVICES / YOUTH E-MATERIALS									
356		04/23	AP	08/25/22	0397722	OVERDRIVE, INC.	309.15		09/30/22
		YOUTH E-BOOKS							
356		04/23	AP	08/25/22	0397722	OVERDRIVE, INC.	274.94		09/30/22
		YOUTH AUDIO BOOKS							
						ACCOUNT TOTAL	584.09	.00	584.09
101-1199-441.81-03 PROFESSIONAL SERVICES / RECORDING FEES									
544		04/23	AP	10/03/22	0397673	BLACK HAWK CO.RECORDER	7.00		10/05/22
		RCD:LIEN RELEASE				M.BONORDEN-2012 VINE ST.			
						ACCOUNT TOTAL	7.00	.00	7.00
101-1199-441.89-13 MISCELLANEOUS SERVICES / CONTINGENCY									
377		03/23	AP	09/02/22	0006458	PROFESSIONAL SOLUTIONS	60.92		10/03/22
		AUGUST CREDIT CARD FEES							
507		03/23	AP	07/22/22	0397305	CARSON E. SCHNEIDER		470.00	09/29/22
		VOID CK-BHC ISSUED REFUND				REFUND:FIREWORKS CITATION			
						ACCOUNT TOTAL	60.92	470.00	409.08-
101-1199-441.89-14 MISCELLANEOUS SERVICES / REFUNDS									
567		04/23	AP	10/06/22	0397732	YOUNG PLUMBING & HEATING	1,080.00		10/07/22
		REFUND-INCORRECT PERMIT				#22-4005-MECH			
544		04/23	AP	10/03/22	0397676	CEDAR VALLEY ELECTRIC	161.40		10/05/22
		REFUND-INCORRECT PERMIT				#22-3986-ELEC			
544		04/23	AP	09/30/22	0397684	DIOR'S SLUSHEE & BLAR LLC	422.50		10/05/22
		REFUND LOCAL PORTION LIC.							
						ACCOUNT TOTAL	1,663.90	.00	1,663.90

GROUP NBR	PO NBR	ACCTG PER.	CD	----TRANSACTION---- DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 101 GENERAL FUND									
101-2235-412.89-15 MISCELLANEOUS SERVICES / CREDIT CARD CHARGES									
377		03/23	AP	09/02/22	0006462	PROFESSIONAL SOLUTIONS	916.96		10/03/22
		AUGUST CREDIT CARD FEES							
377		03/23	AP	09/02/22	0006463	PROFESSIONAL SOLUTIONS	528.70		10/03/22
		AUGUST CREDIT CARD FEES							
				ACCOUNT TOTAL			1,445.66	.00	1,445.66
101-2253-423.89-14 MISCELLANEOUS SERVICES / REFUNDS									
567		04/23	AP	10/05/22	0397730	SALLY SHERWOOD	75.00		10/07/22
		REFUND-SHELTER RENTAL							
567		04/23	AP	10/05/22	0397729	DAVID GOODWIN	75.00		10/07/22
		REFUND-SHELTER RENTAL							
567		04/23	AP	10/05/22	0397725	BILL SEEMANN	519.25		10/07/22
		REFUND-SECURITY DEPOSIT				BEACH HOUSE			
567		04/23	AP	10/05/22	0397727	BROCK KREJCHI	500.00		10/07/22
		REFUND-SECURITY DEPOSIT				BEACH HOUSE			
544		04/23	AP	09/30/22	0397675	CECILIA ANGEL	75.00		10/05/22
		REFUND-SHELTER RENTAL							
504		03/23	AP	09/28/22	0397608	ELODIA RUBIO	75.00		09/29/22
		REFUND-SHELTER RENTAL							
507		03/23	AP	08/31/22	0397429	DAHL FUNERAL HOME		519.25	09/29/22
		VOID CK-REF ISSUED ERROR				REFUND-SECURITY DEPOSIT			
544		04/23	AP	08/31/22	0397672	BILL HANSON	500.00		10/05/22
		REFUND-SECURITY DEPOSIT				BEACH HOUSE			
				ACCOUNT TOTAL			1,819.25	519.25	1,300.00
101-2253-423.89-15 MISCELLANEOUS SERVICES / CREDIT CARD CHARGES									
377		03/23	AP	09/02/22	0006465	PROFESSIONAL SOLUTIONS	373.05		10/03/22
		AUGUST CREDIT CARD FEES							
377		03/23	AP	09/02/22	0006466	PROFESSIONAL SOLUTIONS	764.30		10/03/22
		AUGUST CREDIT CARD FEES							
377		03/23	AP	09/02/22	0006468	PROFESSIONAL SOLUTIONS	682.32		10/03/22
		AUGUST CREDIT CARD FEES							
377		03/23	AP	09/02/22	0006459	PROFESSIONAL SOLUTIONS	249.54		10/03/22
		AUGUST CREDIT CARD FEES							
				ACCOUNT TOTAL			2,069.21	.00	2,069.21
101-2280-423.89-14 MISCELLANEOUS SERVICES / REFUNDS									
544		04/23	AP	10/03/22	0397686	HEATHER STUMBERG	500.00		10/05/22
		REFUND-SECURITY DEPOSIT							
544		04/23	AP	09/22/22	0397695	LASHAUNDRA FLETCHER	10.00		10/05/22
		REFUND-CLASS CANCELLED							
544		04/23	AP	09/22/22	0397691	KIM JENSEN	20.00		10/05/22
		REFUND-CLASS CANCELLED							

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 101 GENERAL FUND									
101-2280-423.89-14 MISCELLANEOUS SERVICES / REFUNDS						continued			
						ACCOUNT TOTAL	530.00	.00	530.00
101-2280-423.89-15 MISCELLANEOUS SERVICES / CREDIT CARD CHARGES									
377		03/23	AP	09/09/22	0006428	CLOVER APP	12.66		10/03/22
		MERCHANT SUBSCRIPTION FEE							
377		03/23	AP	09/02/22	0006461	PROFESSIONAL SOLUTIONS	68.91		10/03/22
		AUGUST CREDIT CARD FEES							
377		03/23	AP	09/02/22	0006459	PROFESSIONAL SOLUTIONS	69.51		10/03/22
		AUGUST CREDIT CARD FEES							
377		03/23	AP	09/02/22	0006460	PROFESSIONAL SOLUTIONS	6.95		10/03/22
		AUGUST CREDIT CARD FEES							
						ACCOUNT TOTAL	158.03	.00	158.03
101-4511-414.64-02 INSURANCE / HEALTH INS. REIMBURSEMENT									
377		03/23	AP	09/15/22	0006450	ISOLVED BENEFIT SERVICES, INC	18.47		10/03/22
		HEALTH INS. REIMBURSEMENT							
						ACCOUNT TOTAL	18.47	.00	18.47
101-4511-414.85-01 UTILITIES / UTILITIES									
567		04/23	AP	09/20/22	0397728	CEDAR FALLS UTILITIES	469.23		10/07/22
		UTILITIES THRU 09/20/22							
						ACCOUNT TOTAL	469.23	.00	469.23
101-5521-415.64-02 INSURANCE / HEALTH INS. REIMBURSEMENT									
377		03/23	AP	09/15/22	0006450	ISOLVED BENEFIT SERVICES, INC	12.20		10/03/22
		HEALTH INS. REIMBURSEMENT							
377		03/23	AP	09/15/22	0006450	ISOLVED BENEFIT SERVICES, INC	26.73		10/03/22
		HEALTH INS. REIMBURSEMENT							
377		03/23	AP	09/15/22	0006450	ISOLVED BENEFIT SERVICES, INC	381.29		10/03/22
		HEALTH INS. REIMBURSEMENT							
						ACCOUNT TOTAL	420.22	.00	420.22
101-5521-415.72-01 OPERATING SUPPLIES / OPERATING SUPPLIES									
567		04/23	AP	09/20/22	0397728	CEDAR FALLS UTILITIES	36.56		10/07/22
		UTILITIES THRU 09/20/22							
377		03/23	AP	09/02/22	0006457	PROFESSIONAL SOLUTIONS	34.50		10/03/22
		AUGUST CREDIT CARD FEES							
						ACCOUNT TOTAL	71.06	.00	71.06

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 101 GENERAL FUND									
101-5521-415.72-33 OPERATING SUPPLIES / POLICE AUXILIARY PROGRAM									
507		03/23	AP	07/23/21	0396123	CROSS, KEVIN		22.98	09/29/22
		VOID CK-REISSUED				RMB:UNIFORM ALLOWANCE			
				ACCOUNT TOTAL			.00	22.98	22.98-
101-5521-415.82-01 COMMUNICATION / TELEPHONE									
490		03/23	AP	09/10/22	0397581	U.S. CELLULAR	94.32		09/27/22
		COVERT CAMERA CELL PLAN							
				ACCOUNT TOTAL			94.32	.00	94.32
101-5521-415.83-05 TRANSPORTATION&EDUCATION / TRAVEL (FOOD/MILEAGE/LOD)									
544		04/23	AP	09/23/22	0397687	HELGESON, BROOKE	160.25		10/05/22
		RMB:TRAVEL-OPEN SRC.TRNG.				DES MOINES			
544		04/23	AP	09/23/22	0397692	KOHLS, BRENNAN	90.20		10/05/22
		RMB:TRAVEL-OPEN SRC.TRNG.				DES MOINES			
544		04/23	AP	09/16/22	0397682	DANILSON, CEDRIC	155.58		10/05/22
		RMB:MEALS-DEF.TACTICS SCH				JOHNSTON			
544		04/23	AP	09/12/22	0397670	BECKNER, MARTIN	37.23		10/05/22
		RMB:MEALS-CENTRAL SQ.TRNG				W'LOO-LECHTENBERG/BECKNER			
				ACCOUNT TOTAL			443.26	.00	443.26
101-5521-415.89-40 MISCELLANEOUS SERVICES / UNIFORM ALLOWANCE									
490		03/23	AP	09/13/22	0397560	GERZEMA, JONATHAN	276.66		09/27/22
		RMB:UNIFORM ALLOWANCE				MIDWEST DEFENSE SOLUTIONS			
				ACCOUNT TOTAL			276.66	.00	276.66
101-6613-433.85-01 UTILITIES / UTILITIES									
567		04/23	AP	09/20/22	0397728	CEDAR FALLS UTILITIES	119.28		10/07/22
		UTILITIES THRU 09/20/22							
				ACCOUNT TOTAL			119.28	.00	119.28
101-6616-446.85-01 UTILITIES / UTILITIES									
567		04/23	AP	09/20/22	0397728	CEDAR FALLS UTILITIES	1,975.86		10/07/22
		UTILITIES THRU 09/20/22							
				ACCOUNT TOTAL			1,975.86	.00	1,975.86
101-6623-423.85-01 UTILITIES / UTILITIES									
567		04/23	AP	09/20/22	0397728	CEDAR FALLS UTILITIES	319.25		10/07/22

GROUP NBR	PO NBR	ACCTG PER.	TRANSACTION CD	TRANSACTION DATE	TRANSACTION NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 101 GENERAL FUND									
101-6623-423.85-01 UTILITIES / UTILITIES							continued		
						UTILITIES THRU 09/20/22			
						ACCOUNT TOTAL	319.25	.00	319.25
101-6625-432.81-44 PROFESSIONAL SERVICES / USGS RIVER GAUGE									
544		04/23	AP	09/01/22	0397677	CENTURYLINK	63.51		10/05/22
						CEDAR RIVER GAUGE-AUG'22			
						ACCOUNT TOTAL	63.51	.00	63.51
101-6633-423.85-01 UTILITIES / UTILITIES									
567		04/23	AP	09/20/22	0397728	CEDAR FALLS UTILITIES	152.84		10/07/22
						UTILITIES THRU 09/20/22			
						ACCOUNT TOTAL	152.84	.00	152.84
						FUND TOTAL	44,823.41	1,087.23	43,736.18
FUND 203 TAX INCREMENT FINANCING									
FUND 206 STREET CONSTRUCTION FUND									
206-6637-436.72-57 OPERATING SUPPLIES / ICE CONTROL									
567		04/23	AP	09/20/22	0397728	CEDAR FALLS UTILITIES	42.66		10/07/22
						UTILITIES THRU 09/20/22			
						ACCOUNT TOTAL	42.66	.00	42.66
206-6647-436.85-01 UTILITIES / UTILITIES									
567		04/23	AP	09/20/22	0397728	CEDAR FALLS UTILITIES	750.91		10/07/22
						UTILITIES THRU 09/20/22			
						ACCOUNT TOTAL	750.91	.00	750.91
						FUND TOTAL	793.57	.00	793.57
FUND 215 HOSPITAL FUND									
FUND 216 POLICE BLOCK GRANT FUND									
FUND 217 SECTION 8 HOUSING FUND									
217-2214-432.89-61 MISCELLANEOUS SERVICES / HOUS.ASSIST PMTS-OCCUPIED									
517		04/23	AP	10/01/22	0038822	BAUCH, JAMES C	460.00		09/30/22
						HAP_Lewis H 102022			
517		04/23	AP	10/01/22	0038874	RINNELS, DOUGLAS G.	304.00		09/30/22
						HAP_Wierck L 102022			

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	TRANSACTION NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 217 SECTION 8 HOUSING FUND									
217-2214-432.89-61 MISCELLANEOUS SERVICES / HOUS.ASSIST PMTS-OCCUPIED							continued		
517		04/23	AP	10/01/22	0038830	CHESTNUT, SHAWN HAP_Chestnut N 102022	489.00		09/30/22
517		04/23	AP	10/01/22	0038841	EXCEPTIONAL PERSONS,INC. HAP_Blake M 102022	420.00		09/30/22
517		04/23	AP	10/01/22	0038841	EXCEPTIONAL PERSONS,INC. HAP_Houdek C 102022	115.00		09/30/22
517		04/23	AP	10/01/22	0038841	EXCEPTIONAL PERSONS,INC. HAP_Poldberg J 102022	305.00		09/30/22
517		04/23	AP	10/01/22	0038841	EXCEPTIONAL PERSONS,INC. HAP_Myers J 102022	412.00		09/30/22
517		04/23	AP	10/01/22	0038841	EXCEPTIONAL PERSONS,INC. HAP_Nissen A 102022	374.00		09/30/22
517		04/23	AP	10/01/22	0038841	EXCEPTIONAL PERSONS,INC. HAP_Anderson B 102022	78.00		09/30/22
517		04/23	AP	10/01/22	0038847	GOLD FALLS VILLA HAP_Shuman J 102022	460.00		09/30/22
517		04/23	AP	10/01/22	0038844	GEELAN, JOSEPH N. HAP_Becker T 102022	369.00		09/30/22
517		04/23	AP	10/01/22	0038844	GEELAN, JOSEPH N. HAP_Juhl A 102022	380.00		09/30/22
517		04/23	AP	10/01/22	0038820	BARTELT PROPERTIES L.C. HAP_Avino G 102022	1,018.00		09/30/22
517		04/23	AP	10/01/22	0038820	BARTELT PROPERTIES L.C. HAP_Luck L 102022	509.00		09/30/22
517		04/23	AP	10/01/22	0038820	BARTELT PROPERTIES L.C. HAP_Woodward C 102022	553.00		09/30/22
517		04/23	AP	10/01/22	0038838	EDGE MANAGEMENT GROUP, LLC HAP_Young C 102022	888.00		09/30/22
517		04/23	AP	10/01/22	0038884	VALDIVIA, OSCAR J. HAP_Davis C 102022	1,049.00		09/30/22
517		04/23	AP	10/01/22	0038833	COOK CO.HOUSING AUTHORITY HAP_Goldstein K 102022	205.00		09/30/22
517		04/23	AP	10/01/22	0038887	WILKEN PROPERTIES, LLC HAP_Barfels K 102022	536.00		09/30/22
517		04/23	AP	10/01/22	0038872	PURDY PROPERTIES, LLC HAP_Cummings A 102022	933.00		09/30/22
517		04/23	AP	10/01/22	0038823	BETH N BROS LLC HAP_Beaman D 102022	853.00		09/30/22
517		04/23	AP	10/01/22	0038836	D & J PROPERTIES HAP_Wilson T 102022	336.00		09/30/22
517		04/23	AP	10/01/22	0038836	D & J PROPERTIES HAP_Redd S 102022	464.00		09/30/22
517		04/23	AP	10/01/22	0038836	D & J PROPERTIES HAP_Grant F 102022	495.00		09/30/22
517		04/23	AP	10/01/22	0038836	D & J PROPERTIES HAP_Rogers S 102022	297.00		09/30/22
517		04/23	AP	10/01/22	0038836	D & J PROPERTIES HAP_Terry M 102022	944.00		09/30/22
517		04/23	AP	10/01/22	0038836	D & J PROPERTIES	693.00		09/30/22

FUND 217 SECTION 8 HOUSING FUND
217-2214-432.89-61 MISCELLANEOUS SERVICES / HOUS.ASSIST PMTS-OCCUPIED continued

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	TRANSACTION NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE	POST DT
						HAP_Sumerall T 102022				
517		04/23	AP	10/01/22	0038835	CV PROPERTIES, LLC	509.00			09/30/22
						HAP_Langel A 102022				
517		04/23	AP	10/01/22	0038835	CV PROPERTIES, LLC	383.00			09/30/22
						HAP_Barr G 102022				
517		04/23	AP	10/01/22	0038877	STANDARD FAMILY ASSIST.LIVING	261.00			09/30/22
						HAP_Refshauge T 102022				
517		04/23	AP	10/01/22	0038827	CEDAR APARTMENTS LLC	233.00			09/30/22
						HAP_Becerra C 102022				
517		04/23	AP	10/01/22	0038827	CEDAR APARTMENTS LLC	154.00			09/30/22
						HAP_Groskurth D 102022				
517		04/23	AP	10/01/22	0038880	SWEETING, LARRY	753.00			09/30/22
						HAP_Schumacher D 102022				
517		04/23	AP	10/01/22	0038883	THUNDER RIDGE SR.APARTMENTS L	287.00			09/30/22
						HAP_Ford M 102022				
517		04/23	AP	10/01/22	0038883	THUNDER RIDGE SR.APARTMENTS L	497.00			09/30/22
						HAP_Henning S 102022				
517		04/23	AP	10/01/22	0038883	THUNDER RIDGE SR.APARTMENTS L	466.00			09/30/22
						HAP_Turner S 102022				
517		04/23	AP	10/01/22	0038883	THUNDER RIDGE SR.APARTMENTS L	439.00			09/30/22
						HAP_Strickland L 102022				
517		04/23	AP	10/01/22	0038883	THUNDER RIDGE SR.APARTMENTS L	215.00			09/30/22
						HAP_Martin H 102022				
517		04/23	AP	10/01/22	0038883	THUNDER RIDGE SR.APARTMENTS L	211.00			09/30/22
						HAP_Matthias L 102022				
517		04/23	AP	10/01/22	0038883	THUNDER RIDGE SR.APARTMENTS L	405.00			09/30/22
						HAP_Lebahn B 102022				
517		04/23	AP	10/01/22	0038883	THUNDER RIDGE SR.APARTMENTS L	503.00			09/30/22
						HAP_Stegen R 102022				
517		04/23	AP	10/01/22	0038883	THUNDER RIDGE SR.APARTMENTS L	193.00			09/30/22
						HAP_Stock M 102022				
517		04/23	AP	10/01/22	0038883	THUNDER RIDGE SR.APARTMENTS L	222.00			09/30/22
						HAP_Wray M 102022				
517		04/23	AP	10/01/22	0038883	THUNDER RIDGE SR.APARTMENTS L	436.00			09/30/22
						HAP_Greene L 102022				
517		04/23	AP	10/01/22	0038883	THUNDER RIDGE SR.APARTMENTS L	489.00			09/30/22
						HAP_Howe J 102022				
517		04/23	AP	10/01/22	0038883	THUNDER RIDGE SR.APARTMENTS L	396.00			09/30/22
						HAP_Hayden J 102022				
517		04/23	AP	10/01/22	0038883	THUNDER RIDGE SR.APARTMENTS L	29.00			09/30/22
						HAP_Lenz J 102022				
517		04/23	AP	10/01/22	0038883	THUNDER RIDGE SR.APARTMENTS L	346.00			09/30/22
						HAP_Shelton S 102022				
517		04/23	AP	10/01/22	0038883	THUNDER RIDGE SR.APARTMENTS L	105.00			09/30/22
						HAP_Brown J 102022				
517		04/23	AP	10/01/22	0038883	THUNDER RIDGE SR.APARTMENTS L	143.00			09/30/22
						HAP_Garvis C 102022				
517		04/23	AP	10/01/22	0038883	THUNDER RIDGE SR.APARTMENTS L	251.00			09/30/22
						HAP_Wright S 102022				

FUND 217 SECTION 8 HOUSING FUND
217-2214-432.89-61 MISCELLANEOUS SERVICES / HOUS.ASSIST PMTS-OCCUPIED continued

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
517		04/23	AP	10/01/22	0038883	THUNDER RIDGE SR.APARTMENTS L HAP_Wright S 102022	426.00		09/30/22
517		04/23	AP	10/01/22	0038883	THUNDER RIDGE SR.APARTMENTS L HAP_Graves D 102022	525.00		09/30/22
517		04/23	AP	10/01/22	0038885	VILLAGE I AT NINE23 APARTMENT HAP_Moore D 102022	454.00		09/30/22
517		04/23	AP	10/01/22	0038885	VILLAGE I AT NINE23 APARTMENT HAP_Greene D 102022	327.00		09/30/22
517		04/23	AP	10/01/22	0038885	VILLAGE I AT NINE23 APARTMENT HAP_Bradley J 102022	226.00		09/30/22
517		04/23	AP	10/01/22	0038885	VILLAGE I AT NINE23 APARTMENT HAP_Dixon S 102022	106.00		09/30/22
517		04/23	AP	10/01/22	0038885	VILLAGE I AT NINE23 APARTMENT HAP_Clark T 102022	536.00		09/30/22
517		04/23	AP	10/01/22	0038885	VILLAGE I AT NINE23 APARTMENT HAP_Porter J 102022	73.00		09/30/22
517		04/23	AP	10/01/22	0038885	VILLAGE I AT NINE23 APARTMENT HAP_Havlik C 102022	232.00		09/30/22
517		04/23	AP	10/01/22	0038885	VILLAGE I AT NINE23 APARTMENT HAP_Temple S 102022	427.00		09/30/22
517		04/23	AP	10/01/22	0038885	VILLAGE I AT NINE23 APARTMENT HAP_Gordon Jr. T 102022	430.00		09/30/22
517		04/23	AP	10/01/22	0038885	VILLAGE I AT NINE23 APARTMENT HAP_Aswegan J 102022	254.00		09/30/22
517		04/23	AP	10/01/22	0038885	VILLAGE I AT NINE23 APARTMENT HAP_Vaughn S 102022	237.00		09/30/22
517		04/23	AP	10/01/22	0038885	VILLAGE I AT NINE23 APARTMENT HAP_Redd A 102022	455.00		09/30/22
517		04/23	AP	10/01/22	0038885	VILLAGE I AT NINE23 APARTMENT HAP_Smith T 102022	506.00		09/30/22
517		04/23	AP	10/01/22	0038885	VILLAGE I AT NINE23 APARTMENT HAP_Nelson B 102022	453.00		09/30/22
517		04/23	AP	10/01/22	0038885	VILLAGE I AT NINE23 APARTMENT HAP_Fry S 102022	569.00		09/30/22
517		04/23	AP	10/01/22	0038885	VILLAGE I AT NINE23 APARTMENT HAP_Ford D 102022	289.00		09/30/22
517		04/23	AP	10/01/22	0038885	VILLAGE I AT NINE23 APARTMENT HAP_Smith W 102022	430.00		09/30/22
517		04/23	AP	10/01/22	0038885	VILLAGE I AT NINE23 APARTMENT HAP_Harper S 102022	705.00		09/30/22
517		04/23	AP	10/01/22	0038885	VILLAGE I AT NINE23 APARTMENT HAP_Ducharme T 102022	569.00		09/30/22
517		04/23	AP	10/01/22	0038885	VILLAGE I AT NINE23 APARTMENT HAP_Swartley J 102022	461.00		09/30/22
517		04/23	AP	10/01/22	0038885	VILLAGE I AT NINE23 APARTMENT HAP_Prior L 102022	489.00		09/30/22
517		04/23	AP	10/01/22	0038885	VILLAGE I AT NINE23 APARTMENT HAP_Aswegan S 102022	406.00		09/30/22
517		04/23	AP	10/01/22	0038885	VILLAGE I AT NINE23 APARTMENT	524.00		09/30/22

FUND 217 SECTION 8 HOUSING FUND
217-2214-432.89-61 MISCELLANEOUS SERVICES / HOUS.ASSIST PMTS-OCCUPIED continued

GROUP NBR	PO NBR	ACCTG PER.	TRANSACTION CD	DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
						HAP_Henderson D 102022			
517		04/23	AP	10/01/22	0038885	VILLAGE I AT NINE23 APARTMENT	374.00		09/30/22
						HAP_Cameron J 102022			
517		04/23	AP	10/01/22	0038828	CEDAR FALLS UTILITIES-SEC.8	78.00		09/30/22
						BALM 4535924167			
517		04/23	AP	10/01/22	0038828	CEDAR FALLS UTILITIES-SEC.8	46.00		09/30/22
						Rule 9816666531			
517		04/23	AP	10/01/22	0038828	CEDAR FALLS UTILITIES-SEC.8	14.00		09/30/22
						Guzzle 7174748062			
517		04/23	AP	10/01/22	0038828	CEDAR FALLS UTILITIES-SEC.8	111.00		09/30/22
						Jurries 7681775462			
517		04/23	AP	10/01/22	0038828	CEDAR FALLS UTILITIES-SEC.8	54.00		09/30/22
						BRINER 6898932426			
517		04/23	AP	10/01/22	0038828	CEDAR FALLS UTILITIES-SEC.8	100.00		09/30/22
						Harper 8446710175			
517		04/23	AP	10/01/22	0038828	CEDAR FALLS UTILITIES-SEC.8	100.00		09/30/22
						Mullins 9837918987			
517		04/23	AP	10/01/22	0038828	CEDAR FALLS UTILITIES-SEC.8	26.00		09/30/22
						Lowe 8726127079			
517		04/23	AP	10/01/22	0038828	CEDAR FALLS UTILITIES-SEC.8	36.00		09/30/22
						Prior 5694286669			
517		04/23	AP	10/01/22	0038828	CEDAR FALLS UTILITIES-SEC.8	155.00		09/30/22
						Bracelly 9823574708			
517		04/23	AP	10/01/22	0038828	CEDAR FALLS UTILITIES-SEC.8	76.00		09/30/22
						Humphrey 3424739072			
517		04/23	AP	10/01/22	0038828	CEDAR FALLS UTILITIES-SEC.8	100.00		09/30/22
						Keys 7930305447			
517		04/23	AP	10/01/22	0038828	CEDAR FALLS UTILITIES-SEC.8	127.00		09/30/22
						Boehmer 0827605626			
517		04/23	AP	10/01/22	0038865	MALBEC PROPERTIES, LLC	416.00		09/30/22
						HAP_Smith T 102022			
517		04/23	AP	10/01/22	0038865	MALBEC PROPERTIES, LLC	410.00		09/30/22
						HAP_Himes G 102022			
517		04/23	AP	10/01/22	0038865	MALBEC PROPERTIES, LLC	428.00		09/30/22
						HAP_Halterman A 102022			
517		04/23	AP	10/01/22	0038865	MALBEC PROPERTIES, LLC	424.00		09/30/22
						HAP_Hepker D 102022			
517		04/23	AP	10/01/22	0038865	MALBEC PROPERTIES, LLC	225.00		09/30/22
						HAP_Stevens B 102022			
517		04/23	AP	10/01/22	0038831	CHRISTOPHERSON RENTALS	533.00		09/30/22
						HAP_Hunt M 102022			
517		04/23	AP	10/01/22	0038831	CHRISTOPHERSON RENTALS	216.00		09/30/22
						HAP_Sherwood S 102022			
517		04/23	AP	10/01/22	0038831	CHRISTOPHERSON RENTALS	643.00		09/30/22
						HAP_Dyer A 102022			
517		04/23	AP	10/01/22	0038831	CHRISTOPHERSON RENTALS	631.00		09/30/22
						HAP_Ricks F 102022			
517		04/23	AP	10/01/22	0038831	CHRISTOPHERSON RENTALS	81.00		09/30/22
						HAP_Hall T 102022			

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	TRANSACTION NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 217 SECTION 8 HOUSING FUND									
217-2214-432.89-61 MISCELLANEOUS SERVICES / HOUS.ASSIST PMTS-OCCUPIED						continued			
517		04/23	AP	10/01/22	0038831	CHRISTOPHERSON RENTALS	335.00		09/30/22
		HAP_Ross Z 102022							
517		04/23	AP	10/01/22	0038831	CHRISTOPHERSON RENTALS	46.00		09/30/22
		HAP_Schwaab A 102022							
517		04/23	AP	10/01/22	0038831	CHRISTOPHERSON RENTALS	700.00		09/30/22
		HAP_Keys A 102022							
517		04/23	AP	10/01/22	0038831	CHRISTOPHERSON RENTALS	538.00		09/30/22
		HAP_Hoffert J 102022							
517		04/23	AP	10/01/22	0038871	PETERSEN, RANDEL	904.00		09/30/22
		HAP_Brown S 102022							
517		04/23	AP	10/01/22	0038867	MHP 2216 LINCOLN STREET, LLC	575.00		09/30/22
		HAP_Rule S 102022							
517		04/23	AP	10/01/22	0038867	MHP 2216 LINCOLN STREET, LLC	316.00		09/30/22
		HAP_Cochran S 102022							
517		04/23	AP	10/01/22	0038867	MHP 2216 LINCOLN STREET, LLC	451.00		09/30/22
		HAP_Malone S 102022							
517		04/23	AP	10/01/22	0038867	MHP 2216 LINCOLN STREET, LLC	330.00		09/30/22
		HAP_Jones T 102022							
517		04/23	AP	10/01/22	0038867	MHP 2216 LINCOLN STREET, LLC	444.00		09/30/22
		HAP_Wilder S 102022							
517		04/23	AP	10/01/22	0038846	GLEESON II, JAMES G.	800.00		09/30/22
		HAP_Prior D 102022							
517		04/23	AP	10/01/22	0038840	EPM IOWA	618.00		09/30/22
		HAP_Thompson T 102022							
517		04/23	AP	10/01/22	0038840	EPM IOWA	411.00		09/30/22
		HAP_Frisch K 102022							
517		04/23	AP	10/01/22	0038837	DC MANAGEMENT, LLC	770.00		09/30/22
		HAP_Strickland S 102022							
517		04/23	AP	10/01/22	0038864	LEGACY RESIDENTIAL	179.00		09/30/22
		HAP_Jordan L 102022							
517		04/23	AP	10/01/22	0038869	OWL INVESTMENTS, LLC	626.00		09/30/22
		HAP_Schroeder S 102022							
517		04/23	AP	10/01/22	0038834	CRESCENT CONDOMINIUMS, LLC	494.00		09/30/22
		HAP_Lohr K 102022							
517		04/23	AP	10/01/22	0038850	HARRINGTON'S RENTAL LLC	544.00		09/30/22
		HAP_Larronda E 102022							
517		04/23	AP	10/01/22	0038842	FERNHOLZ, KARI L.	794.00		09/30/22
		HAP_Carlton D 102022							
517		04/23	AP	10/01/22	0038875	ROGERS, DERICK	825.00		09/30/22
		HAP_Sherwood J 102022							
517		04/23	AP	10/01/22	0038875	ROGERS, DERICK	1,200.00		09/30/22
		HAP_Santiago-Lebro 102022							
517		04/23	AP	10/01/22	0038857	KAI, BRENT	251.00		09/30/22
		HAP_Hamilton T 102022							
517		04/23	AP	10/01/22	0038876	STAND FIRM PROPERTIES LLC	395.00		09/30/22
		HAP_Hodge G 102022							
517		04/23	AP	10/01/22	0038876	STAND FIRM PROPERTIES LLC	559.00		09/30/22
		HAP_Rousseau G 102022							
517		04/23	AP	10/01/22	0038890	WYMORE, LARRY R.	133.00		09/30/22

FUND 217 SECTION 8 HOUSING FUND
217-2214-432.89-61 MISCELLANEOUS SERVICES / HOUS.ASSIST PMTS-OCCUPIED continued

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	TRANSACTION NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE	POST DT
		HAP_MOFFETT J 102022								
517		04/23	AP	10/01/22	0038855	JDR PROPERTIES, INC.	161.00			09/30/22
		HAP_Poock V 102022								
517		04/23	AP	10/01/22	0038889	WINGSB, LLC	358.00			09/30/22
		HAP_Johnson A 102022								
517		04/23	AP	10/01/22	0038856	JLL EXTENDED STAY INN	319.00			09/30/22
		HAP_Moore E 102022								
517		04/23	AP	10/01/22	0038856	JLL EXTENDED STAY INN	178.00			09/30/22
		HAP_Zanders D 102022								
517		04/23	AP	10/01/22	0038863	LARSEN RENTALS LLC	142.00			09/30/22
		HAP_Grisby C 102022								
517		04/23	AP	10/01/22	0038886	VILLAGE II AT NINE23 APARTMEN	580.00			09/30/22
		HAP_BALM D 102022								
517		04/23	AP	10/01/22	0038886	VILLAGE II AT NINE23 APARTMEN	319.00			09/30/22
		HAP_Saccento J 102022								
517		04/23	AP	10/01/22	0038886	VILLAGE II AT NINE23 APARTMEN	461.00			09/30/22
		HAP_Harken G 102022								
517		04/23	AP	10/01/22	0038886	VILLAGE II AT NINE23 APARTMEN	328.00			09/30/22
		HAP_Dzapo S 102022								
517		04/23	AP	10/01/22	0038886	VILLAGE II AT NINE23 APARTMEN	333.00			09/30/22
		HAP_Harmon A 102022								
517		04/23	AP	10/01/22	0038886	VILLAGE II AT NINE23 APARTMEN	703.00			09/30/22
		HAP_Miller K 102022								
517		04/23	AP	10/01/22	0038886	VILLAGE II AT NINE23 APARTMEN	435.00			09/30/22
		HAP_Haug K 102022								
517		04/23	AP	10/01/22	0038886	VILLAGE II AT NINE23 APARTMEN	436.00			09/30/22
		HAP_Loffredo C 102022								
517		04/23	AP	10/01/22	0038886	VILLAGE II AT NINE23 APARTMEN	367.00			09/30/22
		HAP_Wilson J 102022								
517		04/23	AP	10/01/22	0038886	VILLAGE II AT NINE23 APARTMEN	118.00			09/30/22
		HAP_Rogers E 102022								
517		04/23	AP	10/01/22	0038886	VILLAGE II AT NINE23 APARTMEN	430.00			09/30/22
		HAP_Billman D 102022								
517		04/23	AP	10/01/22	0038886	VILLAGE II AT NINE23 APARTMEN	429.00			09/30/22
		HAP_Cruise B 102022								
517		04/23	AP	10/01/22	0038886	VILLAGE II AT NINE23 APARTMEN	444.00			09/30/22
		HAP_Garrigus S 102022								
517		04/23	AP	10/01/22	0038886	VILLAGE II AT NINE23 APARTMEN	678.00			09/30/22
		HAP_Humphrey J 102022								
517		04/23	AP	10/01/22	0038886	VILLAGE II AT NINE23 APARTMEN	309.00			09/30/22
		HAP_Lane S 102022								
517		04/23	AP	10/01/22	0038886	VILLAGE II AT NINE23 APARTMEN	150.00			09/30/22
		HAP_Wilson S 102022								
517		04/23	AP	10/01/22	0038886	VILLAGE II AT NINE23 APARTMEN	722.00			09/30/22
		HAP_Mullins J 102022								
517		04/23	AP	10/01/22	0038886	VILLAGE II AT NINE23 APARTMEN	649.00			09/30/22
		HAP_Willis C 102022								
517		04/23	AP	10/01/22	0038886	VILLAGE II AT NINE23 APARTMEN	19.00			09/30/22
		HAP_Hoodjer S 102022								

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	TRANSACTION NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 217 SECTION 8 HOUSING FUND									
217-2214-432.89-61 MISCELLANEOUS SERVICES / HOUS.ASSIST PMTS-OCCUPIED							continued		
517		04/23	AP	10/01/22	0038886	VILLAGE II AT NINE23 APARTMEN HAP_Lam K 102022	430.00		09/30/22
517		04/23	AP	10/01/22	0038886	VILLAGE II AT NINE23 APARTMEN HAP_OBrien N 102022	357.00		09/30/22
517		04/23	AP	10/01/22	0038886	VILLAGE II AT NINE23 APARTMEN HAP_O'dell J 102022	265.00		09/30/22
517		04/23	AP	10/01/22	0038886	VILLAGE II AT NINE23 APARTMEN HAP_Forney A 102022	49.00		09/30/22
517		04/23	AP	10/01/22	0038886	VILLAGE II AT NINE23 APARTMEN HAP_Frazier T 102022	229.00		09/30/22
517		04/23	AP	10/01/22	0038886	VILLAGE II AT NINE23 APARTMEN HAP_Humphrey E 102022	600.00		09/30/22
517		04/23	AP	10/01/22	0038851	HOUSING AUTHORITY OF JOLIET HAP_Wilson Q 102022	1,067.00		09/30/22
517		04/23	AP	10/01/22	0038851	HOUSING AUTHORITY OF JOLIET HAP_Payne I 102022	1,960.00		09/30/22
517		04/23	AP	10/01/22	0038852	HOWARD, BRAD HAP_Thrower M 102022	1,008.00		09/30/22
517		04/23	AP	10/01/22	0038862	KREMER PROPERTIES LLC HAP_Mulanax W 102022	737.00		09/30/22
517		04/23	AP	10/01/22	0038861	KRAAYENBRINK, RANDY L. HAP_Maltas M 102022	790.00		09/30/22
517		04/23	AP	10/01/22	0038861	KRAAYENBRINK, RANDY L. HAP_Ewing J 102022	1,145.00		09/30/22
517		04/23	AP	10/01/22	0038873	R & R RENTAL PROPERTIES, LLC HAP_Stewart J 102022	489.00		09/30/22
517		04/23	AP	10/01/22	0038824	BUTLER, MICHAEL HAP_Cochran C 102022	495.00		09/30/22
517		04/23	AP	10/01/22	0038853	HUNTER PROPERTY LLC HAP_Thompson L 102022	768.00		09/30/22
517		04/23	AP	10/01/22	0038849	HAGEDORN, JEREMIAH HAP_Gottfried L 102022	796.00		09/30/22
517		04/23	AP	10/01/22	0038879	SUNRISE PROPERTIES LLC HAP_Lake L 102022	291.00		09/30/22
517		04/23	AP	10/01/22	0038860	KOG PROPERTIES LLC HAP_Atkins T 102022	1,123.00		09/30/22
517		04/23	AP	10/01/22	0038848	GOV, LLC HAP_Guzzle T 102022	1,100.00		09/30/22
517		04/23	AP	10/01/22	0038826	CARL ERICSON HAP_Burk B 102022	867.00		09/30/22
517		04/23	AP	10/01/22	0038826	CARL ERICSON HAP_Cooper L 102022	660.00		09/30/22
517		04/23	AP	10/01/22	0038870	PANHWAR, ABDUL HAP_Mussman C 102022	17.00		09/30/22
517		04/23	AP	10/01/22	0038859	KIDWELL, STEVE HAP_Tomlyanovich C 102022	599.00		09/30/22
517		04/23	AP	10/01/22	0038832	CND PROPERTIES LLC HAP_Gilmore A 102022	281.00		09/30/22
517		04/23	AP	10/01/22	0038888	WINGERT, BRIAN	385.00		09/30/22

FUND 217 SECTION 8 HOUSING FUND
217-2214-432.89-61 MISCELLANEOUS SERVICES / HOUS.ASSIST PMTS-OCCUPIED continued

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	TRANSACTION NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
		HAP_Holden K 102022							
517		04/23	AP	10/01/22	0038878	STEIN INVESTMENTS, LLC	1,234.00		09/30/22
		HAP_Gordon A 102022							
517		04/23	AP	10/01/22	0038868	OAKVIEW PROPERTIES LLC	1,000.00		09/30/22
		HAP_Jurries P 102022							
517		04/23	AP	10/01/22	0038829	CEDAR VALLEY LIVING LLC	216.00		09/30/22
		HAP_Bachman K 102022							
517		04/23	AP	10/01/22	0038829	CEDAR VALLEY LIVING LLC	429.00		09/30/22
		HAP_Galvez Munguia 102022							
517		04/23	AP	10/01/22	0038829	CEDAR VALLEY LIVING LLC	224.00		09/30/22
		HAP_White L 102022							
517		04/23	AP	10/01/22	0038882	THIRD AVE PLACE LLC	895.00		09/30/22
		HAP_Boehmer R 102022							
517		04/23	AP	10/01/22	0038858	KELLY PROPERTY INVESTMENTS LL	279.00		09/30/22
		HAP_Clayton R 102022							
517		04/23	AP	10/01/22	0038839	ELMCREST ESTATES, L.C.	422.00		09/30/22
		HAP_Davis D 102022							
517		04/23	AP	10/01/22	0038866	MCKERNAN, JAMES M.	365.00		09/30/22
		HAP_Buchanan J 102022							
517		04/23	AP	10/01/22	0038843	G P MANAGEMENT LLC	414.00		09/30/22
		HAP_Wenzel J 102022							
517		04/23	AP	10/01/22	0038881	T.J.J.C. L.L.C.	282.00		09/30/22
		HAP_Dornbrock M 102022							
517		04/23	AP	10/01/22	0038881	T.J.J.C. L.L.C.	204.00		09/30/22
		HAP_Hornback K 102022							
517		04/23	AP	10/01/22	0038881	T.J.J.C. L.L.C.	675.00		09/30/22
		HAP_Bracelly J 102022							
517		04/23	AP	10/01/22	0038881	T.J.J.C. L.L.C.	458.00		09/30/22
		HAP_Fruchtenicht J 102022							
517		04/23	AP	10/01/22	0038845	GERDES III, BENJAMIN P.	726.00		09/30/22
		HAP_Orgell A 102022							
517		04/23	AP	10/01/22	0038845	GERDES III, BENJAMIN P.	307.00		09/30/22
		HAP_Allessi S 102022							
517		04/23	AP	10/01/22	0038845	GERDES III, BENJAMIN P.	1,333.00		09/30/22
		HAP_BRINER K 102022							
517		04/23	AP	10/01/22	0038845	GERDES III, BENJAMIN P.	1,527.00		09/30/22
		HAP_Barnes A 102022							
517		04/23	AP	10/01/22	0038854	J & A PROPERTIES	1,300.00		09/30/22
		HAP_Lowe L 102022							
517		04/23	AP	10/01/22	0038821	BARTELT RENTALS L.C.	472.00		09/30/22
		HAP_Luck J 102022							
517		04/23	AP	10/01/22	0038821	BARTELT RENTALS L.C.	994.00		09/30/22
		HAP_Woods N 102022							
517		04/23	AP	10/01/22	0038825	C & H HOLDINGS LLC	721.00		09/30/22
		HAP_Ross S 102022							
509		03/23	AP	09/01/22	0038799	ROGERS, DERICK HAP_SHERWOOD J 092022		825.00	09/29/22
		VOID CK-LOST IN MAIL							
509		03/23	AP	09/01/22	0038799	ROGERS, DERICK HAP_SANTIAGO-LEBRO 092022		1,200.00	09/29/22
		VOID CK-LOST IN MAIL							

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 217 SECTION 8 HOUSING FUND									
217-2214-432.89-61 MISCELLANEOUS SERVICES / HOUS.ASSIST PMTS-OCCUPIED							continued		
509		03/23	AP	07/01/22	0038602	CHESTNUT, SHAWN		489.00	09/29/22
		VOID CK-LOST IN MAIL				HAP_CHESTNUT N 072022			
				ACCOUNT TOTAL			90,669.00	2,514.00	88,155.00
217-2214-432.89-65 MISCELLANEOUS SERVICES / ADMIN FEE DUE OTHERS									
517		04/23	AP	10/01/22	0038833	COOK CO.HOUSING AUTHORITY	34.16		09/30/22
		AF_Goldstein K 102022							
517		04/23	AP	10/01/22	0038851	HOUSING AUTHORITY OF JOLIET	48.79		09/30/22
		AF_Wilson Q 102022							
517		04/23	AP	10/01/22	0038851	HOUSING AUTHORITY OF JOLIET	48.79		09/30/22
		AF_Payne I 102022							
				ACCOUNT TOTAL			131.74	.00	131.74
				FUND TOTAL			90,800.74	2,514.00	88,286.74
FUND 223 COMMUNITY BLOCK GRANT									
223-2234-432.81-01 PROFESSIONAL SERVICES / PROFESSIONAL SERVICES									
544		04/23	AP	09/30/22	0004765	BLACK HAWK CO.RECORDER	7.00		10/05/22
		RCD:SATISFACT.& DISCHARGE				ALAN V. TAKES			
				ACCOUNT TOTAL			7.00	.00	7.00
				FUND TOTAL			7.00	.00	7.00
FUND 224 TRUST & AGENCY									
FUND 242 STREET REPAIR FUND									
242-1240-431.98-45 CAPITAL PROJECTS / MAIN STREET RECONSTRUCT									
544		04/23	AP	09/29/22	0397679	D & J INVESTMENTS, INC.	39,100.00		10/05/22
		3283-PARCEL#11-MAIN ST.				RECONSTRUCT.-TEMP.EASE.			
PROJECT#:		023283							
544		04/23	AP	09/29/22	0397705	2C PROPERTIES, LLC	2,550.00		10/05/22
		3283-PARCEL#29-MAIN ST.				RECONSTRUCT.-TEMP.EASE.			
PROJECT#:		023283							
544		04/23	AP	09/29/22	0397704	2C PROPERTIES, LLC	3,690.00		10/05/22
		3283-PARCEL#30-MAIN ST.				RECONSTRUCT.-TEMP.EASE.			
PROJECT#:		023283							
544		04/23	AP	09/29/22	0397685	GRACIE MAE PROPERTIES, LC	7,320.00		10/05/22
		3283-PARCEL#45-MAIN ST.				RECONSTRUCT.-TEMP.EASE.			
PROJECT#:		023283							
544		04/23	AP	09/29/22	0397674	CASEY'S MARKETING COMPANY	4,175.00		10/05/22
		3283-PARCEL#156-MAIN ST.				RECONSTRUCT.-TEMP.EASE.			
PROJECT#:		023283							

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	TRANSACTION NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 242 STREET REPAIR FUND									
242-1240-431.98-45 CAPITAL PROJECTS / MAIN STREET RECONSTRUCT							continued		
544		04/23	AP	09/29/22	0397694	K3D, LLC	396,000.00		10/05/22
		3283-PARCEL#197-MAIN ST.				RECONST.-PURCHASE AGRMT.			
PROJECT#:		023283							
544		04/23	AP	09/29/22	0397681	D & V HOLDINGS, LLC	264,000.00		10/05/22
		3283-PARCEL#204-MAIN ST.				RECONST.-PURCHASE AGRMT.			
PROJECT#:		023283							
544		04/23	AP	09/29/22	0397703	TIGERHAWK RENTALS, LLC	6,365.00		10/05/22
		3283-PARCEL#205-MAIN ST.				RECONSTRUCT.-TEMP.EASE.			
PROJECT#:		023283							
544		04/23	AP	09/29/22	0397690	JONATHAN & OLIVA MOSSMAN	3,620.00		10/05/22
		3283-PARCEL#206-MAIN ST.				RECONSTRUCT.-TEMP.EASE.			
PROJECT#:		023283							
544		04/23	AP	09/29/22	0397680	D & J INVESTMENTS, INC.	86,500.00		10/05/22
		3283-PARCEL#300-MAIN ST.				RECONST.-PURCHASE AGRMT.			
PROJECT#:		023283							
544		04/23	AP	09/29/22	0397696	PERMANENT PLANNING, INC.	400.00		10/05/22
		3283-PARCEL#53-2-MAIN ST.				RECONSTRUCT.-TEMP.EASE.			
PROJECT#:		023283							
544		04/23	AP	09/29/22	0397697	RIVERSIDE INVESTMENTS, LLC	1,750.00		10/05/22
		3283-PARCEL#291-MAIN ST.				RECONSTRUCT.-TEMP.EASE.			
PROJECT#:		023283							
544		04/23	AP	09/29/22	0397698	RIVERSIDE INVESTMENTS, LLC	1,750.00		10/05/22
		3283-PARCEL#292-MAIN ST.				RECONSTRUCT.-TEMP.EASE.			
PROJECT#:		023283							
490		03/23	AP	09/20/22	0397568	KLEIN STORAGE, LLC	1,460.00		09/27/22
		3283-PARCEL#42-MAIN ST.				RECONSTRUCT.-TEMP.EASE.			
PROJECT#:		023283							
490		03/23	AP	09/20/22	0397574	MICHAEL CRALL & LAUREN NELSON	885.00		09/27/22
		3283-PARCEL#64-MAIN ST.				RECONSTRUCT.-TEMP.EASE.			
PROJECT#:		023283							
490		03/23	AP	09/20/22	0397575	MICHAEL CRALL & LAUREN NELSON	2,770.00		09/27/22
		3283-PARCEL#65-MAIN ST.				RECONSTRUCT.-TEMP.EASE.			
PROJECT#:		023283							
490		03/23	AP	09/20/22	0397553	DAVID & TERRI VORLAND	875.00		09/27/22
		3283-PARCEL#74-MAIN ST.				RECONSTRUCT.-TEMP.EASE.			
PROJECT#:		023283							
490		03/23	AP	09/20/22	0397566	JOHNPAUL COLLINS	615.00		09/27/22
		3283-PARCEL#93-MAIN ST.				RECONSTRUCT.-TEMP.EASE.			
PROJECT#:		023283							
490		03/23	AP	09/20/22	0397576	MONTELL & DIANE MCFARLANE	600.00		09/27/22
		3283-PARCEL#94-MAIN ST.				RECONSTRUCT.-TEMP.EASE.			
PROJECT#:		023283							
490		03/23	AP	09/20/22	0397551	CHARLOTTE & LOUIS SMITH	1,195.00		09/27/22
		3283-PARCEL#104-MAIN ST.				RECONSTRUCT.-TEMP.EASE.			
PROJECT#:		023283							
490		03/23	AP	09/20/22	0397582	WERNIMONT, LLC	915.00		09/27/22
		3283-PARCEL#106-MAIN ST.				RECONSTRUCT.-TEMP.EASE.			
PROJECT#:		023283							
490		03/23	AP	09/20/22	0397577	PETER & KIM WILCOX	795.00		09/27/22

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	TRANSACTION NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 242 STREET REPAIR FUND									
242-1240-431.98-45 CAPITAL PROJECTS / MAIN STREET RECONSTRUCT						continued			
		3283-PARCEL#131-MAIN ST.				RECONSTRUCT.-TEMP.EASE.			
PROJECT#:		023283							
490		03/23	AP	09/20/22	0397558	FIRST BANK	3,815.00		09/27/22
		3283-PARCEL#139-MAIN ST.				RECONSTRUCT.-TEMP.EASE.			
PROJECT#:		023283							
490		03/23	AP	09/20/22	0397557	FARMERS STATE BANK	2,415.00		09/27/22
		3283-PARCEL#150-MAIN ST.				RECONSTRUCT.-TEMP.EASE.			
PROJECT#:		023283							
490		03/23	AP	09/20/22	0397567	KEVIN & JESSICA CHRISTMAN	1,400.00		09/27/22
		3283-PARCEL#185-MAIN ST.				RECONSTRUCT.-TEMP.EASE.			
PROJECT#:		023283							
490		03/23	AP	09/20/22	0397559	FIRST EVANGELICAL FREE CHURCH	2,600.00		09/27/22
		3283-PARCEL#187-MAIN ST.				RECONSTRUCT.-TEMP.EASE.			
PROJECT#:		023283							
490		03/23	AP	09/20/22	0397552	CV PROPERTIES, LLC	1,405.00		09/27/22
		3283-PARCEL#193-MAIN ST.				RECONSTRUCT.-TEMP.EASE.			
PROJECT#:		023283							
490		03/23	AP	09/20/22	0397563	JAMES & TERESA SHYMANSKY AND	3,050.00		09/27/22
		3283-PARCEL#170-MAIN ST.				RECONSTRUCT.-TEMP.EASE.			
PROJECT#:		023283							
490		03/23	AP	09/20/22	0397549	CALLUM HILL PROPERTIES, LLC	880.00		09/27/22
		3283-PARCEL#194-MAIN ST.				RECONSTRUCT.-TEMP.EASE.			
PROJECT#:		023283							
490		03/23	AP	09/20/22	0397564	JAY J. COURTNEY	890.00		09/27/22
		3283-PARCEL#222-MAIN ST.				RECONSTRUCT.-TEMP.EASE.			
PROJECT#:		023283							
490		03/23	AP	09/20/22	0397571	MAIN PROPERTIES, LLC	875.00		09/27/22
		3283-PARCEL#223-MAIN ST.				RECONSTRUCT.-TEMP.EASE.			
PROJECT#:		023283							
490		03/23	AP	09/20/22	0397556	DOUGLAS & RENELL RICHTER	875.00		09/27/22
		3283-PARCEL#224-MAIN ST.				RECONSTRUCT.-TEMP.EASE.			
PROJECT#:		023283							
490		03/23	AP	09/20/22	0397570	LINDSEY & MARSHALL PHILLIPS	880.00		09/27/22
		3283-PARCEL#245-MAIN ST.				RECONSTRUCT.-TEMP.EASE.			
PROJECT#:		023283							
490		03/23	AP	09/20/22	0397573	MB RENTALS II, LLC	880.00		09/27/22
		3283-PARCEL#246-MAIN ST.				RECONSTRUCT.-TEMP.EASE.			
PROJECT#:		023283							
490		03/23	AP	09/20/22	0397572	MARY C. FISHER	590.00		09/27/22
		3283-PARCEL#253-MAIN ST.				RECONSTRUCT.-TEMP.EASE.			
PROJECT#:		023283							
490		03/23	AP	09/20/22	0397555	DOLLY'S RENTALS, LLC	1,665.00		09/27/22
		3283-PARCEL#271-MAIN ST.				RECONSTRUCT.-TEMP.EASE.			
PROJECT#:		023283							
504		03/23	AP	09/20/22	0397647	PERMANENT PLANNING, INC.	1,540.00		09/29/22
		3283-PARCEL#53-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#:		023283							
504		03/23	AP	09/20/22	0397624	JOSHUA & DANIELLE PRIEBE	1,405.00		09/29/22
		3283-PARCEL#73-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.			

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	TRANSACTION NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE	POST DT
FUND 242 STREET REPAIR FUND										
242-1240-431.98-45 CAPITAL PROJECTS / MAIN STREET RECONSTRUCT							continued			
PROJECT#:		023283								
504		03/23	AP	09/20/22	0397638	MICHAEL BOND SHYMANSKY & MAUR	2,280.00			09/29/22
		3283-PARCEL#75-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.				
PROJECT#:		023283								
504		03/23	AP	09/20/22	0397610	FIRST PRESBYTERIAN CHURCH	5,510.00			09/29/22
		3283-PARCEL#116-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.				
PROJECT#:		023283								
504		03/23	AP	09/20/22	0397639	MICHAEL BOND SHYMANSKY & MAUR	1,405.00			09/29/22
		3283-PARCEL#122-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.				
PROJECT#:		023283								
504		03/23	AP	09/20/22	0397640	MICHAEL BOND SHYMANSKY & MAUR	1,750.00			09/29/22
		3283-PARCEL#123-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.				
PROJECT#:		023283								
504		03/23	AP	09/20/22	0397644	NELSON FUNERAL HOME, INC.	2,150.00			09/29/22
		3283-PARCEL#157-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.				
PROJECT#:		023283								
504		03/23	AP	09/20/22	0397628	KASEY & THERESA SCHMITT	1,765.00			09/29/22
		3283-PARCEL#167-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.				
PROJECT#:		023283								
504		03/23	AP	09/20/22	0397642	MJ KNOX, LLC	915.00			09/29/22
		3283-PARCEL#169-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.				
PROJECT#:		023283								
504		03/23	AP	09/20/22	0397605	DONALD & KATHLEEN RASMUSSON	1,320.00			09/29/22
		3283-PARCEL#202-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.				
PROJECT#:		023283								
504		03/23	AP	09/20/22	0397617	JACK P. RASMUSSON FAMILY TRUS	1,310.00			09/29/22
		3283-PARCEL#203-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.				
PROJECT#:		023283								
504		03/23	AP	09/20/22	0397643	NANCY L. ASCHERL	3,500.00			09/29/22
		3283-PARCEL#212-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.				
PROJECT#:		023283								
504		03/23	AP	09/20/22	0397587	BIANCA PONTIOUS	2,105.00			09/29/22
		3283-PARCEL#215-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.				
PROJECT#:		023283								
504		03/23	AP	09/20/22	0397603	DAVID HENRY & EMILY STINER	1,450.00			09/29/22
		3283-PARCEL#231-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.				
PROJECT#:		023283								
504		03/23	AP	09/20/22	0397641	MITCHEL & KARIN BLOOMQUIST	1,785.00			09/29/22
		3283-PARCEL#234-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.				
PROJECT#:		023283								
504		03/23	AP	09/20/22	0397633	MAKA PROPERTIES, LLC	1,405.00			09/29/22
		3283-PARCEL#243-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.				
PROJECT#:		023283								
504		03/23	AP	09/20/22	0397611	FREED RENTALS, LLC	880.00			09/29/22
		3283-PARCEL#254-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.				
PROJECT#:		023283								
504		03/23	AP	09/20/22	0397661	THOMAS & LEANN VETTER	1,145.00			09/29/22
		3283-PARCEL#260-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.				
PROJECT#:		023283								

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	TRANSACTION NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 242 STREET REPAIR FUND									
242-1240-431.98-45 CAPITAL PROJECTS / MAIN STREET RECONSTRUCT						continued			
504		03/23	AP	09/20/22	0397602	DARYL & GEORGIA SLINKER	875.00		09/29/22
		3283-PARCEL#261-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#:		023283							
504		03/23	AP	09/20/22	0397635	MATTHEW & JENNIFER REISETTER	1,315.00		09/29/22
		3283-PARCEL#263-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#:		023283							
504		03/23	AP	09/20/22	0397622	JEREMY & JENNIFER CLAYTON	870.00		09/29/22
		3283-PARCEL#264-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#:		023283							
504		03/23	AP	09/20/22	0397651	RICHARD L. ROBERT	1,085.00		09/29/22
		3283-PARCEL#265-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#:		023283							
504		03/23	AP	09/20/22	0397629	KENNETH & PATRICIA BUDKE	1,585.00		09/29/22
		3283-PARCEL#266-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#:		023283							
504		03/23	AP	09/20/22	0397619	JAMES & PENNY NUSS	870.00		09/29/22
		3283-PARCEL#272-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#:		023283							
504		03/23	AP	09/20/22	0397589	BRAD JACOBSON	200.00		09/29/22
		3283-PARCEL#279-MAIN ST.				RECONSTRUCT.-TENANT AGRMT			
PROJECT#:		023283							
504		03/23	AP	09/20/22	0397652	SANDRA & THOMAS BENAK	1,975.00		09/29/22
		3283-PARCEL#279-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#:		023283							
504		03/23	AP	09/20/22	0397630	KENT & MICHELLE PURDY	2,250.00		09/29/22
		3283-PARCEL#283-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#:		023283							
504		03/23	AP	09/20/22	0397621	JEFFREY & MARY SCHWAKE	1,005.00		09/29/22
		3283-PARCEL#290-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#:		023283							
504		03/23	AP	09/20/22	0397614	HARDING ENTERPRISES, LC	1,070.00		09/29/22
		3283-PARCEL#14-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#:		023283							
504		03/23	AP	09/20/22	0397654	SEVEN D, LLC	2,965.00		09/29/22
		3283-PARCEL#15-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#:		023283							
504		03/23	AP	09/20/22	0397664	TWIN CARD HOLDINGS, LLC	2,730.00		09/29/22
		3283-PARCEL#16-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#:		023283							
504		03/23	AP	09/20/22	0397665	TWIN CARD HOLDINGS, LLC	7,075.00		09/29/22
		3283-PARCEL#22-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#:		023283							
504		03/23	AP	09/20/22	0397613	GREGORY AND VICKI ANGOVE TRUS	825.00		09/29/22
		3283-PARCEL#31-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#:		023283							
504		03/23	AP	09/20/22	0397599	CVVC PROPERTIES, LLC	1,115.00		09/29/22
		3283-PARCEL#50-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#:		023283							
504		03/23	AP	09/20/22	0397663	TRP PROPERTIES, LLC	1,690.00		09/29/22

GROUP NBR	PO NBR	ACCTG PER.	TRANSACTION CD	DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 242 STREET REPAIR FUND									
242-1240-431.98-45 CAPITAL PROJECTS / MAIN STREET RECONSTRUCT							continued		
						3283-PARCEL#51-MAIN ST. RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#: 023283									
504		03/23	AP	09/20/22	0397626	JUDY L. CREW	1,095.00		09/29/22
						3283-PARCEL#54-MAIN ST. RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#: 023283									
504		03/23	AP	09/20/22	0397593	CHRISTOPHERSON RENTALS, LLC	870.00		09/29/22
						3283-PARCEL#55-MAIN ST. RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#: 023283									
504		03/23	AP	09/20/22	0397662	TIM AVERILL	870.00		09/29/22
						3283-PARCEL#56-MAIN ST. RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#: 023283									
504		03/23	AP	09/20/22	0397592	CHRISTOPHER & MARCEY HAND	875.00		09/29/22
						3283-PARCEL#57-MAIN ST. RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#: 023283									
504		03/23	AP	09/20/22	0397604	DENNIS & LANA ROLFES	885.00		09/29/22
						3283-PARCEL#63-MAIN ST. RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#: 023283									
504		03/23	AP	09/20/22	0397634	MALBEC PROPERTIES, LLC	1,905.00		09/29/22
						3283-PARCEL#80-MAIN ST. RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#: 023283									
504		03/23	AP	09/20/22	0397631	KOG PROPERTIES, LLC	1,375.00		09/29/22
						3283-PARCEL#81-MAIN ST. RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#: 023283									
504		03/23	AP	09/20/22	0397618	JAMES & JOSEPHINE LILLY	810.00		09/29/22
						3283-PARCEL#92-MAIN ST. RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#: 023283									
504		03/23	AP	09/20/22	0397597	CV PROPERTIES II, LLC	600.00		09/29/22
						3283-PARCEL#95-MAIN ST. RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#: 023283									
504		03/23	AP	09/20/22	0397648	PETER & LINDY TENTINGER	810.00		09/29/22
						3283-PARCEL#96-MAIN ST. RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#: 023283									
504		03/23	AP	09/20/22	0397585	AIRJB, LLC	660.00		09/29/22
						3283-PARCEL#105-MAIN ST. RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#: 023283									
504		03/23	AP	09/20/22	0397627	JUSTIN P. SMIGELSKI	595.00		09/29/22
						3283-PARCEL#107-MAIN ST. RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#: 023283									
504		03/23	AP	09/20/22	0397667	WELSH INVESTMENTS, LLC	1,000.00		09/29/22
						3283-PARCEL#108-MAIN ST. RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#: 023283									
504		03/23	AP	09/20/22	0397669	702 MAIN, LLC	420.00		09/29/22
						3283-PARCEL#133-MAIN ST. RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#: 023283									
504		03/23	AP	09/20/22	0397660	TEXTURE HAIR STUDIO, LLC	200.00		09/29/22
						3283-PARCEL#133-MAIN ST. RECONSTRUCT.-TENANT AGRMT			
PROJECT#: 023283									
504		03/23	AP	09/20/22	0397615	HI YIELD, LLC	1,845.00		09/29/22
						3283-PARCEL#158-MAIN ST. RECONSTRUCT.-TEMP.EASEMT.			

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	TRANSACTION NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE	POST DT
FUND 242 STREET REPAIR FUND										
242-1240-431.98-45 CAPITAL PROJECTS / MAIN STREET RECONSTRUCT							continued			
PROJECT#:		023283								
504		03/23	AP	09/20/22	0397657	ST. PATRICK'S CHURCH	5,355.00			09/29/22
		3283-PARCEL#162-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.				
PROJECT#:		023283								
504		03/23	AP	09/20/22	0397596	CNC INVESTMENTS, LLC	1,010.00			09/29/22
		3283-PARCEL#168-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.				
PROJECT#:		023283								
504		03/23	AP	09/20/22	0397594	CLARK JON & TWYLA RICKARD	1,455.00			09/29/22
		3283-PARCEL#176-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.				
PROJECT#:		023283								
504		03/23	AP	09/20/22	0397650	REGGIE & MICHELLE HOVENGA	820.00			09/29/22
		3283-PARCEL#177-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.				
PROJECT#:		023283								
504		03/23	AP	09/20/22	0397653	SCOTT A. CHASE	1,100.00			09/29/22
		3283-PARCEL#178-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.				
PROJECT#:		023283								
504		03/23	AP	09/20/22	0397637	MICHAEL & BONITA CUNNINGHAM	600.00			09/29/22
		3283-PARCEL#195-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.				
PROJECT#:		023283								
504		03/23	AP	09/20/22	0397625	JOYCE EVON ANDERSON	705.00			09/29/22
		3283-PARCEL#196-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.				
PROJECT#:		023283								
504		03/23	AP	09/20/22	0397590	BRYAN L. BEARDSLEY	3,495.00			09/29/22
		3283-PARCEL#199-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.				
PROJECT#:		023283								
504		03/23	AP	09/20/22	0397595	CLAYTON & KOREY MEINDERS	3,525.00			09/29/22
		3283-PARCEL#207-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.				
PROJECT#:		023283								
504		03/23	AP	09/20/22	0397645	PATRICIA M. TURNER	1,570.00			09/29/22
		3283-PARCEL#213-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.				
PROJECT#:		023283								
504		03/23	AP	09/20/22	0397646	PATRICIA M. TURNER	1,775.00			09/29/22
		3283-PARCEL#214-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.				
PROJECT#:		023283								
504		03/23	AP	09/20/22	0397601	DALE & KAREN WEBB	1,445.00			09/29/22
		3283-PARCEL#225-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.				
PROJECT#:		023283								
504		03/23	AP	09/20/22	0397659	SUE A. KOTZ	885.00			09/29/22
		3283-PARCEL#232-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.				
PROJECT#:		023283								
504		03/23	AP	09/20/22	0397584	AIDAN MORAN	885.00			09/29/22
		3283-PARCEL#233-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.				
PROJECT#:		023283								
504		03/23	AP	09/20/22	0397658	STEVEN J. BUNDY	875.00			09/29/22
		3283-PARCEL#244-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.				
PROJECT#:		023283								
504		03/23	AP	09/20/22	0397632	KOG PROPERTIES, LLC	870.00			09/29/22
		3283-PARCEL#251-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.				
PROJECT#:		023283								

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	TRANSACTION NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 242 STREET REPAIR FUND									
242-1240-431.98-45 CAPITAL PROJECTS / MAIN STREET RECONSTRUCT						continued			
504		03/23	AP	09/20/22	0397620	JAN & SHARON MORD	595.00		09/29/22
		3283-PARCEL#252-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#:		023283							
504		03/23	AP	09/20/22	0397607	DT RENTALS, LLC	1,950.00		09/29/22
		3283-PARCEL#256-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#:		023283							
504		03/23	AP	09/20/22	0397649	R & J KELLY FAMILY TRUST	1,245.00		09/29/22
		3283-PARCEL#262-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#:		023283							
504		03/23	AP	09/20/22	0397600	D & V HOLDINGS, LLC	870.00		09/29/22
		3283-PARCEL#273-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#:		023283							
504		03/23	AP	09/20/22	0397591	CBJ HOLDINGS, LLC	1,295.00		09/29/22
		3283-PARCEL#274-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#:		023283							
504		03/23	AP	09/20/22	0397612	FUNK GROUP, LLC	200.00		09/29/22
		3283-PARCEL#274-MAIN ST.				RECONSTRUCT.-TENANT AGRMT			
PROJECT#:		023283							
504		03/23	AP	09/20/22	0397588	BONITA M. REFSHAUGE	1,750.00		09/29/22
		3283-PARCEL#280-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#:		023283							
504		03/23	AP	09/20/22	0397656	SOUTHGATE PROPERTIES, LC	2,185.00		09/29/22
		3283-PARCEL#281-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#:		023283							
504		03/23	AP	09/20/22	0397623	JERRY & BONNIE HAHN	2,185.00		09/29/22
		3283-PARCEL#282-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#:		023283							
504		03/23	AP	09/20/22	0397606	DONALD L. JACOBSON	3,465.00		09/29/22
		3283-PARCEL#288-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#:		023283							
504		03/23	AP	09/20/22	0397586	ALVIN & VERLA COULTHARD	1,505.00		09/29/22
		3283-PARCEL#289-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#:		023283							
504		03/23	AP	09/20/22	0397598	CV PROPERTIES II, LLC	1,375.00		09/29/22
		3283-PARCEL#293-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#:		023283							
504		03/23	AP	09/20/22	0397609	EMAAD, LLC	1,165.00		09/29/22
		3283-PARCEL#294-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#:		023283							
504		03/23	AP	09/20/22	0397616	IVERSON & REIGHARD PARTNERSHI	860.00		09/29/22
		3283-PARCEL#296-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#:		023283							
504		03/23	AP	09/20/22	0397636	MCDONALD'S REAL ESTATE COMPAN	4,760.00		09/29/22
		3283-PARCEL#301-MAIN ST.				RECONSTRUCT.-TEMP.EASEMT.			
PROJECT#:		023283							
		ACCOUNT TOTAL					979,260.00	.00	979,260.00

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 242 STREET REPAIR FUND									
						FUND TOTAL	979,260.00	.00	979,260.00
FUND 254 CABLE TV FUND									
254-1088-431.72-01 OPERATING SUPPLIES / OPERATING SUPPLIES									
377		03/23	AP	09/02/22	0006458	PROFESSIONAL SOLUTIONS	2.71		10/03/22
		AUGUST CREDIT CARD FEES							
						ACCOUNT TOTAL	2.71	.00	2.71
254-1088-431.89-18 MISCELLANEOUS SERVICES / COMMUNITY PROGRAMMING									
544		04/23	AP	10/01/22	0397671	BENSON, ERIC	200.00		10/05/22
		UNI FOOTBALL-INDIANA ST.				CAMERA OPERATOR			
PROJECT#:		756							
544		04/23	AP	10/01/22	0397683	DEWITT, JASON	200.00		10/05/22
		UNI FOOTBALL-INDIANA ST.				CAMERA OPERATOR			
PROJECT#:		756							
544		04/23	AP	10/01/22	0397701	SURMA, JOSEPH EDWARD	200.00		10/05/22
		UNI FOOTBALL-INDIANA ST.				CAMERA OPERATOR			
PROJECT#:		756							
544		04/23	AP	10/01/22	0397700	STOW, CHRISTIAN	200.00		10/05/22
		UNI FOOTBALL-INDIANA ST.				CAMERA OPERATOR			
PROJECT#:		756							
544		04/23	AP	10/01/22	0397688	HUNT, PHILLIP	200.00		10/05/22
		UNI FOOTBALL-INDIANA ST.				CAMERA OPERATOR			
PROJECT#:		756							
544		04/23	AP	10/01/22	0397678	CORNWELL, JOSEPH GLEN	100.00		10/05/22
		UNI FOOTBALL-INDIANA ST.				CAMERA OPERATOR			
PROJECT#:		756							
544		04/23	AP	09/30/22	0397699	SIMPSON, MARK	125.00		10/05/22
		CF FOOTBALL-CR KENNEDY				ANNOUNCER			
PROJECT#:		759							
544		04/23	AP	09/30/22	0397689	JOACHIM, JOHN D	125.00		10/05/22
		CF FOOTBALL-CR KENNEDY				ANNOUNCER			
PROJECT#:		759							
544		04/23	AP	09/30/22	0397683	DEWITT, JASON	110.00		10/05/22
		CF FOOTBALL-CR KENNEDY				CAMERA OPERATOR			
PROJECT#:		759							
544		04/23	AP	09/30/22	0397701	SURMA, JOSEPH EDWARD	100.00		10/05/22
		CF FOOTBALL-CR KENNEDY				CAMERA OPERATOR			
PROJECT#:		759							
544		04/23	AP	09/30/22	0397693	KRESS, AGNES M	100.00		10/05/22
		CF FOOTBALL-CR KENNEDY				CAMERA OPERATOR			
PROJECT#:		759							
544		04/23	AP	09/30/22	0397671	BENSON, ERIC	100.00		10/05/22
		CF FOOTBALL-CR KENNEDY				CAMERA OPERATOR			
PROJECT#:		759							
504		03/23	AP	09/27/22	0397655	SIMPSON, MARK	100.00		09/29/22
		CF CROSS COUNTRY MEET				ANNOUNCER			

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	TRANSACTION NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 254 CABLE TV FUND									
254-1088-431.89-18 MISCELLANEOUS SERVICES / COMMUNITY PROGRAMMING						continued			
PROJECT#:		759							
504		03/23	AP	09/27/22	0397668	WOOD, CHRISTOPHER	100.00		09/29/22
		CF CROSS COUNTRY MEET				ANNOUNCER			
PROJECT#:		759							
490		03/23	AP	09/23/22	0397578	SIMPSON, MARK	125.00		09/27/22
		CF FOOTBALL-MUSCATINE				ANNOUNCER			
PROJECT#:		759							
490		03/23	AP	09/23/22	0397565	JOACHIM, JOHN D	125.00		09/27/22
		CF FOOTBALL-MUSCATINE				ANNOUNCER			
PROJECT#:		759							
490		03/23	AP	09/23/22	0397554	DEWITT, JASON	100.00		09/27/22
		CF FOOTBALL-MUSCATINE				CAMERA OPERATOR			
PROJECT#:		759							
490		03/23	AP	09/23/22	0397579	SURMA, JOSEPH EDWARD	100.00		09/27/22
		CF FOOTBALL-MUSCATINE				CAMERA OPERATOR			
PROJECT#:		759							
490		03/23	AP	09/23/22	0397548	BENSON, ERIC	100.00		09/27/22
		CF FOOTBALL-MUSCATINE				CAMERA OPERATOR			
PROJECT#:		759							
490		03/23	AP	09/23/22	0397569	KRESS, AGNES M	100.00		09/27/22
		CF FOOTBALL-MUSCATINE				CAMERA OPERATOR			
PROJECT#:		759							
544		04/23	AP	09/17/22	0397678	CORNWELL, JOSEPH GLEN	100.00		10/05/22
		UNI FBALL-SACRAMENTO ST.				CAMERA OPERATOR			
PROJECT#:		756							
		ACCOUNT TOTAL					2,710.00	.00	2,710.00
		FUND TOTAL					2,712.71	.00	2,712.71
FUND 258 PARKING FUND									
258-5531-435.72-01 OPERATING SUPPLIES / OPERATING SUPPLIES									
544		04/23	AP	09/28/22	0397702	TAYLOR VAN ERSVELDE	20.00		10/05/22
		REFUND-DUPL.PRKG.PERMIT				#4486762035			
377		03/23	AP	09/02/22	0006454	PROFESSIONAL SOLUTIONS	233.84		10/03/22
		AUGUST CREDIT CARD FEES							
377		03/23	AP	09/02/22	0006455	PROFESSIONAL SOLUTIONS	76.34		10/03/22
		AUGUST CREDIT CARD FEES							
377		03/23	AP	09/02/22	0006456	PROFESSIONAL SOLUTIONS	273.94		10/03/22
		AUGUST CREDIT CARD FEES							
377		03/23	AP	09/02/22	0006457	PROFESSIONAL SOLUTIONS	11.76		10/03/22
		AUGUST CREDIT CARD FEES							
377		03/23	AP	09/02/22	0006458	PROFESSIONAL SOLUTIONS	72.57		10/03/22
		AUGUST CREDIT CARD FEES							
		ACCOUNT TOTAL					688.45	.00	688.45

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	TRANSACTION NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 258 PARKING FUND									
258-5531-435.81-48 PROFESSIONAL SERVICES / CONTRACT SERVICES									
490		03/23	AP	09/06/22	0397580	U.S. CELLULAR	1,090.47		09/27/22
		PHONES FOR PARKING-3							
				ACCOUNT TOTAL			1,090.47	.00	1,090.47
				FUND TOTAL			1,778.92	.00	1,778.92
FUND 261 TOURISM & VISITORS									
261-2291-423.73-57 OTHER SUPPLIES / GIFT SHOP									
377		03/23	AP	09/02/22	0006469	PROFESSIONAL SOLUTIONS	20.01		10/03/22
		AUGUST CREDIT CARD FEES							
				ACCOUNT TOTAL			20.01	.00	20.01
261-2291-423.85-01 UTILITIES / UTILITIES									
567		04/23	AP	09/20/22	0397728	CEDAR FALLS UTILITIES	80.57		10/07/22
		UTILITIES THRU 09/20/22							
				ACCOUNT TOTAL			80.57	.00	80.57
				FUND TOTAL			100.58	.00	100.58
FUND 262 SENIOR SERVICES & COMM CT									
262-1092-423.72-19 OPERATING SUPPLIES / PRINTING									
357		04/23	AP	09/06/22	0397724	STOREY KENWORTHY	21.22		09/30/22
		COMMUNITY CENTER BUSINESS				CARDS			
				ACCOUNT TOTAL			21.22	.00	21.22
262-1092-423.85-01 UTILITIES / UTILITIES									
357		04/23	AP	09/05/22	0397711	CEDAR FALLS UTILITIES	1,569.07		09/30/22
		COMMUNITY CENTR UTILITIES							
				ACCOUNT TOTAL			1,569.07	.00	1,569.07
				FUND TOTAL			1,590.29	.00	1,590.29

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 291 POLICE FORFEITURE FUND									
FUND 292 POLICE RETIREMENT FUND									
292-5521-415.54-01 WORKERS COMP / POLICE WORKERS COMP									
377		03/23	AP	09/13/22	0006432	EMC RISK SERVICES, LLC	225.00		10/03/22
		WORKER COMP-POLICE ADMIN							
377		03/23	AP	09/13/22	0006432	EMC RISK SERVICES, LLC	2,420.10		10/03/22
		WORKER COMP-POLICE CLAIM							
						ACCOUNT TOTAL	2,645.10	.00	2,645.10
						FUND TOTAL	2,645.10	.00	2,645.10
FUND 293 FIRE RETIREMENT FUND									
293-4511-414.54-02 WORKERS COMP / FIRE WORKERS COMP									
377		03/23	AP	09/13/22	0006432	EMC RISK SERVICES, LLC	450.00		10/03/22
		WORKER COMP-FIRE ADMIN							
377		03/23	AP	09/13/22	0006432	EMC RISK SERVICES, LLC	2,865.52		10/03/22
		WORKER COMP-FIRE CLAIM							
						ACCOUNT TOTAL	3,315.52	.00	3,315.52
						FUND TOTAL	3,315.52	.00	3,315.52
FUND 294 LIBRARY RESERVE									
FUND 295 SOFTBALL PLAYER CAPITAL									
FUND 296 GOLF CAPITAL									
FUND 297 REC FACILITIES CAPITAL									
FUND 298 HEARST CAPITAL									
FUND 311 DEBT SERVICE FUND									
FUND 402 WASHINGTON PARK FUND									
FUND 404 FEMA									
404-1220-431.92-37 STRUCTURE IMPROV & BLDGS / BUYOUT DEMOLITIONS									
377		03/23	AP	09/15/22	0006472	VERIDIAN CREDIT UNION	39,416.93		10/03/22
		3198-FLOOD BUYOUT				MILLER-824 COTTAGE ROW			
PROJECT#:		023198							
377		03/23	AP	09/15/22	0006452	LAKEVIEW LOAN SERVICING, LLC	90,599.16		10/03/22
		3198-FLOOD BUYOUT				MILLER-824 COTTAGE ROW			
PROJECT#:		023198							
507		03/23	AP	09/13/22	0397505	BLACK HAWK CO.TREASURER		3,523.49	09/29/22
		VOID CK-DIFFERENT AMOUNT				3198-FLOOD BUYOUT			
PROJECT#:		023198							
507		03/23	AP	09/13/22	0397506	MATTHEW & KERI MILLER		76,447.71	09/29/22
		VOID CK-DIFFERENT AMOUNT				3198-FLOOD BUYOUT-MILLER			
PROJECT#:		023198							
						ACCOUNT TOTAL	130,016.09	79,971.20	50,044.89

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 404 FEMA									
						FUND TOTAL	130,016.09	79,971.20	50,044.89
FUND 405 FLOOD RESERVE FUND									
FUND 407 VISION IOWA PROJECT									
FUND 408 STREET IMPROVEMENT FUND									
FUND 410 CORONAVIRUS LOCAL RELIEF									
FUND 430 2004 TIF BOND									
FUND 431 2014 BOND									
FUND 432 2003 BOND									
FUND 433 2001 TIF									
FUND 434 2000 BOND									
FUND 435 1999 TIF									
FUND 436 2012 BOND									
FUND 437 2018 BOND									
FUND 438 2020 BOND FUND									
438-1220-431.98-23 CAPITAL PROJECTS / GREENHILL RD & S MAIN INT									
507		03/23	AP	01/03/22	0396542	MICHAEL WHEATON		3,670.00	09/29/22
		VOID CK-DIFFERENT AMOUNT				3228-GREENHILL/S.MAIN INT			
PROJECT#:		023228							
						ACCOUNT TOTAL	.00	3,670.00	3,670.00-
						FUND TOTAL	.00	3,670.00	3,670.00-
FUND 439 2022 BOND FUND									
FUND 443 CAPITAL PROJECTS									
FUND 472 PARKADE RENOVATION									
FUND 473 SIDEWALK ASSESSMENT									
FUND 483 ECONOMIC DEVELOPMENT									
FUND 484 ECONOMIC DEVELOPMENT LAND									
FUND 541 2018 STORM WATER BONDS									
FUND 544 2008 SEWER BONDS									
FUND 545 2006 SEWER BONDS									
FUND 546 SEWER IMPROVEMENT FUND									
FUND 547 SEWER RESERVE FUND									
FUND 548 1997 SEWER BOND FUND									
FUND 549 1992 SEWER BOND FUND									
FUND 550 2000 SEWER BOND FUND									
FUND 551 REFUSE FUND									
551-0000-213.00-00 CURRENT LIABILITY / SALES TAX PAYABLE									
377		03/23	AP	09/09/22	0006445	IOWA DEPT.OF REVENUE	272.14		10/03/22
		MONTHLY SALES TAX				COMMERCIAL GARBAGE A/R			
						ACCOUNT TOTAL	272.14	.00	272.14
551-6685-436.72-01 OPERATING SUPPLIES / OPERATING SUPPLIES									

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 551 REFUSE FUND									
551-6685-436.72-01 OPERATING SUPPLIES / OPERATING SUPPLIES							continued		
377		03/23	AP	09/02/22	0006464	PROFESSIONAL SOLUTIONS	570.95		10/03/22
		AUGUST CREDIT CARD FEES							
377		03/23	AP	09/02/22	0006458	PROFESSIONAL SOLUTIONS	24.34		10/03/22
		AUGUST CREDIT CARD FEES							
						ACCOUNT TOTAL	595.29	.00	595.29
551-6685-436.87-02 RENTALS / MATERIAL DISPOSAL/HANDLIN									
567		04/23	AP	09/30/22	0397726	BLACK HAWK CO.LANDFILL	22,786.76		10/07/22
		LANDFILL SRV;9/16-9/30/22							
						ACCOUNT TOTAL	22,786.76	.00	22,786.76
551-6685-436.89-04 MISCELLANEOUS SERVICES / SALES TAX									
377		03/23	AP	09/09/22	0006445	IOWA DEPT.OF REVENUE	166.63		10/03/22
		MONTHLY SALES TAX				COMMERCIAL GARBAGE			
						ACCOUNT TOTAL	166.63	.00	166.63
						FUND TOTAL	23,820.82	.00	23,820.82
FUND 552 SEWER RENTAL FUND									
552-6655-436.85-01 UTILITIES / UTILITIES									
567		04/23	AP	09/20/22	0397728	CEDAR FALLS UTILITIES	2,424.98		10/07/22
		UTILITIES THRU 09/20/22							
						ACCOUNT TOTAL	2,424.98	.00	2,424.98
552-6665-436.86-33 REPAIR & MAINTENANCE / SLUDGE REMOVAL									
567		04/23	AP	09/30/22	0397726	BLACK HAWK CO.LANDFILL	163.93		10/07/22
		LANDFILL SRV;9/16-9/30/22							
						ACCOUNT TOTAL	163.93	.00	163.93
552-6665-436.89-04 MISCELLANEOUS SERVICES / SALES TAX									
377		03/23	AP	09/09/22	0006445	IOWA DEPT.OF REVENUE	10,805.49		10/03/22
		MONTHLY SALES TAX				COMMERCIAL SEWER			
						ACCOUNT TOTAL	10,805.49	.00	10,805.49
						FUND TOTAL	13,394.40	.00	13,394.40

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 553 2004 SEWER BOND									
FUND 555 STORM WATER UTILITY									
FUND 570 SEWER ASSESSMENT									
FUND 606 DATA PROCESSING FUND									
606-1078-441.81-43 PROFESSIONAL SERVICES / LIBRARY COMPUTER SERVICES									
490		03/23	AP	09/10/22	0397550	CEDAR FALLS UTILITIES	15.00		09/27/22
		LIBRARY DOMAIN NAME				STATIC IP ADDRESS			
				ACCOUNT TOTAL			15.00	.00	15.00
606-1078-441.82-10 COMMUNICATION / TELEPHONE HOLDING ACCOUNT									
504		03/23	AP	09/19/22	0397666	VERIZON WIRELESS	1,564.79		09/29/22
		WIRELESS SRV:9/20-10/19				9/20-10/19/22			
490		03/23	AP	09/06/22	0397580	U.S. CELLULAR	2,778.43		09/27/22
		WIRELESS SRV:9/6-10/5/22							
				ACCOUNT TOTAL			4,343.22	.00	4,343.22
606-1078-441.82-30 COMMUNICATION / FIBER OPTICS									
490		03/23	AP	09/10/22	0397550	CEDAR FALLS UTILITIES	3,320.00		09/27/22
		FIBER POINT:8/11-9/10/22							
				ACCOUNT TOTAL			3,320.00	.00	3,320.00
				FUND TOTAL			7,678.22	.00	7,678.22
FUND 680 HEALTH INSURANCE FUND									
680-1902-457.51-01 INSURANCE / HEALTH INSURANCE									
377		03/23	AP	09/30/22	0006479	WELLMARK IOWA	47,695.22		10/03/22
		HEALTH CLAIMS PROCESSING							
377		03/23	AP	09/26/22	0006436	EXPRESS SCRIPTS, INC.	12,791.77		10/03/22
		RX CLAIMS PROCESSING							
377		03/23	AP	09/26/22	0006481	WEX HEALTH, INC.	122.55		10/03/22
		COBRA MONTHLY ADMIN FEE							
377		03/23	AP	09/23/22	0006447	IOWA INSURANCE DIVISION	101.59		10/03/22
		STATUTORY FILING FEE-FY22							
377		03/23	AP	09/23/22	0006478	WELLMARK IOWA	48,304.66		10/03/22
		HEALTH CLAIMS PROCESSING							
377		03/23	AP	09/19/22	0006435	EXPRESS SCRIPTS, INC.	26,933.31		10/03/22
		RX CLAIMS PROCESSING							
377		03/23	AP	09/16/22	0006477	WELLMARK IOWA	74,450.28		10/03/22
		HEALTH CLAIMS PROCESSING							
377		03/23	AP	09/15/22	0006450	ISOLVED BENEFIT SERVICES, INC	10.30		10/03/22
		HEALTH INS. REIMBURSEMENT							
377		03/23	AP	09/12/22	0006434	EXPRESS SCRIPTS, INC.	26,250.20		10/03/22
		RX CLAIMS PROCESSING							
377		03/23	AP	09/09/22	0006476	WELLMARK IOWA	41,744.26		10/03/22

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 680 HEALTH INSURANCE FUND									
680-1902-457.51-01 INSURANCE / HEALTH INSURANCE							continued		
		HEALTH CLAIMS PROCESSING							
377		03/23	AP	09/06/22	0006433	EXPRESS SCRIPTS, INC.	9,089.55		10/03/22
		RX CLAIMS PROCESSING							
377		03/23	AP	09/02/22	0006475	WELLMARK IOWA	46,310.03		10/03/22
		HEALTH CLAIMS PROCESSING							
						ACCOUNT TOTAL	333,803.72	.00	333,803.72
680-1902-457.51-06 INSURANCE / DENTAL INSURANCE									
377		03/23	AP	09/02/22	0006431	DELTA DENTAL OF IOWA	7,886.60		10/03/22
		SEPTEMBER 2022 DENTAL							
						ACCOUNT TOTAL	7,886.60	.00	7,886.60
						FUND TOTAL	341,690.32	.00	341,690.32
FUND 681 HEALTH SEVERANCE									
681-1902-457.51-10 INSURANCE / HEALTH SEVERANCE PAYMENTS									
490		03/23	AP	09/22/22	0397583	WINTERBERG, PATSY	528.90		09/27/22
		RMB:OCT-DEC'22 HEALTH SEV				MEDICARE SUPPL.-PATSY			
490		03/23	AP	09/22/22	0397583	WINTERBERG, PATSY	649.20		09/27/22
		RMB:OCT-DEC'22 HEALTH SEV				MEDICARE SUPPL.-GAYLEN			
						ACCOUNT TOTAL	1,178.10	.00	1,178.10
						FUND TOTAL	1,178.10	.00	1,178.10
FUND 682 HEALTH INSURANCE - FIRE									
FUND 685 VEHICLE MAINTENANCE FUND									
FUND 686 PAYROLL FUND									
686-0000-222.01-00 PAYROLL LIABILITY / FEDERAL TAXES									
377		03/23	AP	09/26/22	0006471	UNITED STATES TREASURY	67,148.71		10/03/22
		FEDERAL WITHHOLDING TAX				09/23/22 PAYROLL			
377		03/23	AP	09/12/22	0006470	UNITED STATES TREASURY	67,721.70		10/03/22
		FEDERAL WITHHOLDING TAX				09/09/22 PAYROLL			
						ACCOUNT TOTAL	134,870.41	.00	134,870.41
686-0000-222.02-00 PAYROLL LIABILITY / STATE WITHHOLDING									
377		03/23	AP	09/27/22	0006446	IOWA DEPT.OF REVENUE	28,857.75		10/03/22
		STATE WITHHOLDING TAX				09/23/22 PAYROLL			
377		03/23	AP	09/12/22	0006444	IOWA DEPT.OF REVENUE	29,005.84		10/03/22
		STATE WITHHOLDING TAX				09/09/22 PAYROLL			

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 686 PAYROLL FUND									
686-0000-222.02-00 PAYROLL LIABILITY / STATE WITHHOLDING						continued			
						ACCOUNT TOTAL	57,863.59	.00	57,863.59
686-0000-222.03-00 PAYROLL LIABILITY / FICA									
377		03/23	AP	09/26/22	0006471	UNITED STATES TREASURY	76,241.44		10/03/22
		SS & MQGE/MEDICARE TAX				09/23/22 PAYROLL			
377		03/23	AP	09/12/22	0006470	UNITED STATES TREASURY	77,361.12		10/03/22
		SS & MQGE/MEDICARE TAX				09/09/22 PAYROLL			
						ACCOUNT TOTAL	153,602.56	.00	153,602.56
686-0000-222.04-00 PAYROLL LIABILITY / IPERS									
377		03/23	AP	09/27/22	0006443	I.P.E.R.S.	139,666.83		10/03/22
		IPERS SEPTEMBER 2022							
						ACCOUNT TOTAL	139,666.83	.00	139,666.83
686-0000-222.05-00 PAYROLL LIABILITY / OTHER DEDUCTIONS PAYABLE									
377		03/23	AP	09/26/22	0006430	COLLECTION SERVICES CENTER	611.85		10/03/22
		CHILD SUPPORT PAYMENTS				09/23/22 PAYROLL			
377		03/23	AP	09/23/22	0006451	ISOLVED BENEFIT SERVICES, INC	6,558.82		10/03/22
		CAFETERIA PLAN				09/23/22 PAYROLL			
377		03/23	AP	09/21/22	0006474	VOYA FINANCIAL	10,625.45		10/03/22
		EMPLOYEE 457 CONTRIBUTION				09/23/22 PAYROLL			
377		03/23	AP	09/12/22	0006429	COLLECTION SERVICES CENTER	611.85		10/03/22
		CHILD SUPPORT PAYMENTS				09/09/22 PAYROLL			
377		03/23	AP	09/09/22	0006448	ISOLVED BENEFIT SERVICES, INC	6,521.33		10/03/22
		CAFETERIA PLAN				09/09/22 PAYROLL			
377		03/23	AP	09/07/22	0006473	VOYA FINANCIAL	10,625.45		10/03/22
		EMPLOYEE 457 CONTRIBUTION				09/09/22 PAYROLL			
						ACCOUNT TOTAL	35,554.75	.00	35,554.75
686-0000-222.14-00 PAYROLL LIABILITY / POLICE & FIRE RETIREMENT									
377		03/23	AP	09/27/22	0006453	MUNICIPAL FIRE & POLICE RETIR	159,984.64		10/03/22
		MFPRSI RETIREMENT							
						ACCOUNT TOTAL	159,984.64	.00	159,984.64
						FUND TOTAL	681,542.78	.00	681,542.78

GROUP NBR	PO NBR	ACCTG PER.	----TRANSACTION---- CD	DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 687 WORKERS COMPENSATION FUND									
687-1902-457.51-02 INSURANCE / WORKERS COMP INSURANCE									
377		03/23	AP	09/13/22	0006432	EMC RISK SERVICES, LLC	450.00		10/03/22
		WORKER COMP ADMIN FEES							
377		03/23	AP	09/13/22	0006432	EMC RISK SERVICES, LLC	18,470.94		10/03/22
		WORKER COMP CLAIM							
						ACCOUNT TOTAL	18,920.94	.00	18,920.94
						FUND TOTAL	18,920.94	.00	18,920.94
FUND 688 LTD INSURANCE FUND									
FUND 689 LIABILITY INSURANCE FUND									
689-1902-457.51-05 INSURANCE / LIABILITY INSURANCE									
377		03/23	AP	09/13/22	0006432	EMC RISK SERVICES, LLC	4,109.86		10/03/22
		LIABILITY ADMIN FEES							
377		03/23	AP	09/13/22	0006432	EMC RISK SERVICES, LLC	95.00		10/03/22
		LIABLITY CLAIM							
						ACCOUNT TOTAL	4,204.86	.00	4,204.86
						FUND TOTAL	4,204.86	.00	4,204.86
FUND 724 TRUST & AGENCY									
FUND 727 GREENWOOD CEMETERY P-CARE									
FUND 728 FAIRVIEW CEMETERY P-CARE									
FUND 729 HILLSIDE CEMETERY P-CARE									
FUND 790 FLOOD LEVY									
						GRAND TOTAL	2,350,274.37	87,242.43	2,263,031.94

Council Invoices for 10/17/22 meeting

PREPARED 10/11/2022, 8:12:22
PROGRAM GM360L
CITY OF CEDAR FALLS

ACCOUNT ACTIVITY LISTING

ACCOUNTING PERIOD 03/2023

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	TRANSACTION NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 101 GENERAL FUND									
101-1008-441.71-01 OFFICE SUPPLIES / OFFICE SUPPLIES									
579		04/23	AP	10/06/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	11.39		10/11/22
		10X13 MAILLA ENVELOPES							
579		04/23	AP	10/06/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	21.74		10/11/22
		COPY PAPER							
579		04/23	AP	09/30/22	0000000	CULLIGAN WATER CONDITIONING	16.51		10/11/22
		WATER-606 UNION ROAD							
529		04/23	AP	09/27/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	8.43		10/11/22
		STICKY NOTES, TAPE							
579		04/23	AP	09/08/22	0000000	STOREY KENWORTHY	72.75		10/11/22
		#9 WINDOW ENVELOPES							
579		04/23	AP	09/07/22	0000000	STOREY KENWORTHY	72.75		10/11/22
		#9 WINDOW ENVELOPES							
						ACCOUNT TOTAL	203.57	.00	203.57
101-1026-441.71-01 OFFICE SUPPLIES / OFFICE SUPPLIES									
579		04/23	AP	10/06/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	4.56		10/11/22
		10X13 MAILLA ENVELOPES							
579		04/23	AP	10/06/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	4.35		10/11/22
		COPY PAPER							
579		04/23	AP	09/30/22	0000000	CULLIGAN WATER CONDITIONING	6.61		10/11/22
		WATER-606 UNION ROAD							
529		04/23	AP	09/27/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	3.38		10/11/22
		STICKY NOTES, TAPE							
579		04/23	AP	09/08/22	0000000	STOREY KENWORTHY	4.85		10/11/22
		#9 WINDOW ENVELOPES							
579		04/23	AP	09/07/22	0000000	STOREY KENWORTHY	4.85		10/11/22
		#9 WINDOW ENVELOPES							
						ACCOUNT TOTAL	28.60	.00	28.60
101-1026-441.83-04 TRANSPORTATION&EDUCATION / DUES & MEMBERSHIPS									
539		04/23	AP	09/09/22	0141431	US BANK	315.00		10/07/22
		ASSN *ORDER				FY23 MEMBERSHIP-RODENBECK			
						ACCOUNT TOTAL	315.00	.00	315.00
101-1028-441.71-01 OFFICE SUPPLIES / OFFICE SUPPLIES									
579		04/23	AP	10/06/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	15.20		10/11/22
		10X13 MAILLA ENVELOPES							
579		04/23	AP	10/06/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	26.09		10/11/22
		COPY PAPER							
548		04/23	AP	10/03/22	0000000	SANDEE'S LIMITED	56.50		10/11/22
		SELF INKING STAMPS				FOR DEPOSIT ONLY GEN FUND			
579		04/23	AP	09/30/22	0000000	CULLIGAN WATER CONDITIONING	22.02		10/11/22
		WATER-606 UNION ROAD							

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 101 GENERAL FUND									
101-1028-441.71-01 OFFICE SUPPLIES / OFFICE SUPPLIES						continued			
529		04/23	AP	09/27/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	11.25		10/11/22
		STICKY NOTES, TAPE							
579		04/23	AP	09/08/22	0000000	STOREY KENWORTHY	121.25		10/11/22
		#9 WINDOW ENVELOPES							
579		04/23	AP	09/07/22	0000000	STOREY KENWORTHY	121.25		10/11/22
		#9 WINDOW ENVELOPES							
						ACCOUNT TOTAL	373.56	.00	373.56
101-1038-441.71-01 OFFICE SUPPLIES / OFFICE SUPPLIES									
579		04/23	AP	10/06/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	4.56		10/11/22
		10X13 MAILLA ENVELOPES							
579		04/23	AP	10/06/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	17.39		10/11/22
		COPY PAPER							
579		04/23	AP	09/30/22	0000000	CULLIGAN WATER CONDITIONING	6.61		10/11/22
		WATER-606 UNION ROAD							
529		04/23	AP	09/27/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	3.38		10/11/22
		STICKY NOTES, TAPE							
579		04/23	AP	09/08/22	0000000	STOREY KENWORTHY	72.75		10/11/22
		#9 WINDOW ENVELOPES							
579		04/23	AP	09/07/22	0000000	STOREY KENWORTHY	72.75		10/11/22
		#9 WINDOW ENVELOPES							
						ACCOUNT TOTAL	177.44	.00	177.44
101-1038-441.81-09 PROFESSIONAL SERVICES / HUMAN RIGHTS COMMISSION									
579		04/23	AP	10/06/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	1.74		10/11/22
		COPY PAPER							
579		04/23	AP	09/08/22	0000000	STOREY KENWORTHY	4.85		10/11/22
		#9 WINDOW ENVELOPES							
579		04/23	AP	09/07/22	0000000	STOREY KENWORTHY	4.85		10/11/22
		#9 WINDOW ENVELOPES							
						ACCOUNT TOTAL	11.44	.00	11.44
101-1038-441.81-49 PROFESSIONAL SERVICES / BACKGROUND CHECK									
539		04/23	AP	09/05/22	0141431	US BANK	175.40		10/07/22
		ONE SOURCE THE BACKGROUND				ONE SOURCE BKGROUND CHECK			
						ACCOUNT TOTAL	175.40	.00	175.40
101-1038-441.81-50 PROFESSIONAL SERVICES / PRE-EMPLOYMENT PHYSICALS									
529		04/23	AP	08/26/22	0000000	MERCYONE OCCUPATIONAL HEALTH	1,313.00		10/11/22
		PRE-EMPLOY.PHYS.-JULY'22							
						ACCOUNT TOTAL	1,313.00	.00	1,313.00

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	TRANSACTION NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 101 GENERAL FUND									
101-1038-441.81-51 PROFESSIONAL SERVICES / POST-EMPLOYMENT PHYSICALS									
529		04/23	AP	08/26/22	0000000	MERCYONE OCCUPATIONAL HEALTH	300.00		10/11/22
		POST-EMPLOY.PHYS.-JULY'22							
						ACCOUNT TOTAL	300.00	.00	300.00
101-1038-441.81-52 PROFESSIONAL SERVICES / DRUG TESTING									
529		04/23	AP	08/26/22	0000000	MERCYONE OCCUPATIONAL HEALTH	96.00		10/11/22
		DRUG TESTING-JULY'22							
						ACCOUNT TOTAL	96.00	.00	96.00
101-1038-441.81-53 PROFESSIONAL SERVICES / JOB NOTICES									
529		04/23	AP	09/30/22	0000000	CEDAR VALLEY SAVER, INC.	75.00		10/11/22
		JOB AD:SPORT/REC STAFF				9/29/22 DISPLAY/WEB AD			
529		04/23	AP	09/30/22	0000000	CEDAR VALLEY SAVER, INC.	75.00		10/11/22
		JOB AD:SEASONAL LABORERS				9/29/22 DISPLAY/WEB AD			
539		04/23	AP	09/20/22	0141431	US BANK	195.00		10/07/22
		TEMPLEPUBLI				JOB AD: DEI POSITION			
539		04/23	AP	09/16/22	0141431	US BANK	180.00		10/07/22
		PAYPAL *DIVERSITYCO				JOB AD:DEI POSITION			
539		04/23	AP	09/16/22	0141431	US BANK	299.00		10/07/22
		SHRM HR JOBS				JOB AD: DEI POSITION			
539		04/23	AP	09/05/22	0141431	US BANK	119.95		10/07/22
		LINKEDIN 7391038286				RECRUITER LITE MNTLY RENW			
						ACCOUNT TOTAL	943.95	.00	943.95
101-1038-441.81-56 PROFESSIONAL SERVICES / EMPLOYEE WELLNESS PROG									
529		04/23	AP	09/27/22	0000000	WELLWORKS FOR YOU	678.30		10/11/22
		WELLWORKS WELLNESS PROG.				FEE - SEPT'22			
						ACCOUNT TOTAL	678.30	.00	678.30
101-1048-441.71-01 OFFICE SUPPLIES / OFFICE SUPPLIES									
579		04/23	AP	10/06/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	2.28		10/11/22
		10X13 MAILLA ENVELOPES							
579		04/23	AP	10/06/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	3.48		10/11/22
		COPY PAPER							
579		04/23	AP	09/30/22	0000000	CULLIGAN WATER CONDITIONING	3.30		10/11/22
		WATER-606 UNION ROAD							
529		04/23	AP	09/27/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	1.69		10/11/22
		STICKY NOTES, TAPE							
579		04/23	AP	09/08/22	0000000	STOREY KENWORTHY	4.85		10/11/22
		#9 WINDOW ENVELOPES							
579		04/23	AP	09/07/22	0000000	STOREY KENWORTHY	4.85		10/11/22

GROUP NBR	PO NBR	ACCTG PER.	----TRANSACTION---- CD	DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 101 GENERAL FUND									
101-1048-441.71-01 OFFICE SUPPLIES / OFFICE SUPPLIES						continued			
						#9 WINDOW ENVELOPES			
						ACCOUNT TOTAL	20.45	.00	20.45
101-1048-441.72-11 OPERATING SUPPLIES / DUES, BOOKS, MAGAZINES									
548			04/23	AP	10/01/22 0000000	THOMSON REUTERS - WEST	663.54		10/11/22
						WESTLAW INFORMATION 9/1/22-9/30/22			
529			04/23	AP	08/01/22 0000000	THOMSON REUTERS - WEST	663.54		10/11/22
						WESTLAW INFORMATION 7/1/22-7/31/22			
						ACCOUNT TOTAL	1,327.08	.00	1,327.08
101-1048-441.81-29 PROFESSIONAL SERVICES / LEGAL CONSULTANTS									
529			04/23	AP	09/27/22 0000000	SWISHER & COHRT, P.L.C.	1,243.07		10/11/22
						LGL:CF V. SEBASTIAN ISKRA 05/17-09/30/22			
579			04/23	AP	09/23/22 0000000	AHLERS AND COONEY, P.C.	78.00		10/11/22
						LGL:GENERAL SERVICES 09/01-09/19/22			
						ACCOUNT TOTAL	1,321.07	.00	1,321.07
101-1060-423.71-01 OFFICE SUPPLIES / OFFICE SUPPLIES									
540			04/23	AP	09/14/22 0141431	US BANK	47.14		10/07/22
						AMZN MKTP US*1M2XR6JJ1 FILE FOLDERS			
540			04/23	AP	09/13/22 0141431	US BANK	55.98		10/07/22
						AMZN MKTP US*1M8XV8C31 PLASTIC BAGS			
540			04/23	AP	09/09/22 0141431	US BANK	15.50		10/07/22
						AMAZON.COM*1V1BE19U2 PAPER PLATES			
						ACCOUNT TOTAL	118.62	.00	118.62
101-1060-423.81-91 PROFESSIONAL SERVICES / LICENSES & SERVICE CONTRT									
540			04/23	AP	09/12/22 0141431	US BANK	80.00		10/07/22
						INTUIT *QBOOKS ONLINE QUICKBOOKS MONTHLY SUB.			
						ACCOUNT TOTAL	80.00	.00	80.00
101-1060-423.83-05 TRANSPORTATION&EDUCATION / TRAVEL (FOOD/MILEAGE/LOD)									
540			04/23	AP	09/19/22 0141431	US BANK	340.38		10/07/22
						PANERA BREAD #203210 O FOOD FOR INSERVICE			
						ACCOUNT TOTAL	340.38	.00	340.38
101-1060-423.83-06 TRANSPORTATION&EDUCATION / EDUCATION									

GROUP NBR	PO NBR	ACCTG PER.	TRANSACTION CD	DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 101 GENERAL FUND									
101-1060-423.83-06 TRANSPORTATION&EDUCATION / EDUCATION						continued			
540		04/23	AP	09/12/22	0141431	US BANK	258.24		10/07/22
		EB PROJECT MANAGEMENT				PROJ. MAN. WORKSHOP REGIS			
		ACCOUNT TOTAL					258.24	.00	258.24
101-1060-423.89-33 MISCELLANEOUS SERVICES / FRIENDS SUPPORTED PROGRAM									
540		04/23	AP	09/20/22	0141431	US BANK	30.78		10/07/22
		AMAZON.COM*1M1165650 AMZN				FOTL:YOUTH-POSTERBOARD			
540		04/23	AP	09/19/22	0141431	US BANK	29.98		10/07/22
		AMAZON.COM*1M9VX8U61 AMZN				FOTL:YOUTH-YOUTH BOOKS			
540		04/23	AP	09/14/22	0141431	US BANK	49.95		10/07/22
		THE SQUIRM FIRM				FOTL:YOUTH-WORMS			
540		04/23	AP	09/13/22	0141431	US BANK	10.49		10/07/22
		AMAZON.COM*1F74O61F2 AMZN				FOL:YUTH-WATERCOLOR PAPER			
540		04/23	AP	09/13/22	0141431	US BANK	33.48		10/07/22
		AMZN MKTP US*1F8GU6PP2 AM				FOL:YOUTH-SPONGES & CRAFT			
540		04/23	AP	09/13/22	0141431	US BANK	8.95		10/07/22
		AMZN MKTP US*1F4KU0DB0				FOL:ADULT-OLD STYLE PAPER			
540		04/23	AP	09/13/22	0141431	US BANK	27.94		10/07/22
		AMZN MKTP US*1F0R52D70				FOTL:ADULT-FEATHER PENS			
540		04/23	AP	08/30/22	0141431	US BANK	45.98		10/07/22
		AMZN MKTP US*QY5714ZO3				FOTL:COLAB-ROCKS & PAINT			
540		04/23	AP	08/30/22	0141431	US BANK	46.97		10/07/22
		AMAZON.COM*1165P12C3				FOTL:YOUTH-WATERCOLOR			
540		04/23	AP	08/30/22	0141431	US BANK	6.47		10/07/22
		AMZN MKTP US*EW2YX8OP3				FOTL:COLAB-SPRAY PAINT			
540		04/23	AP	08/30/22	0141431	US BANK	16.99		10/07/22
		AMZN MKTP US*368O280P3				FOTL:YOUTH-NEON CARDSTOCK			
540		04/23	AP	08/29/22	0141431	US BANK	226.67		10/07/22
		SP CARDSTOCK WAREHOU				FOTL:YOUTH-CARDSTOCK			
		ACCOUNT TOTAL					534.65	.00	534.65
101-1061-423.89-19 MISCELLANEOUS SERVICES / CO-LAB MATERIALS									
540		04/23	AP	09/15/22	0141431	US BANK	101.84		10/07/22
		AMZN MKTP US*1F1UN1822				PLATES, MOSS, WOODEN			
540		04/23	AP	09/13/22	0141431	US BANK	351.71		10/07/22
		HOBBY LOBBY ECOMM				RIBBON & ORNAMENTS			
540		04/23	AP	09/13/22	0141431	US BANK	4.79		10/07/22
		AMZN MKTP US*1F6X310N2				TWINE			
540		04/23	AP	09/09/22	0141431	US BANK	39.59		10/07/22
		AMZN MKTP US*1F3C97B81				ROUND WOODEN CIRCLES			
		ACCOUNT TOTAL					497.93	.00	497.93
101-1061-423.89-20 MISCELLANEOUS SERVICES / ADULT BOOKS									

GROUP NBR	PO NBR	ACCTG PER.	----TRANSACTION---- CD	DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 101 GENERAL FUND									
101-1061-423.89-20 MISCELLANEOUS SERVICES / ADULT BOOKS							continued		
540		04/23	AP	09/20/22	0141431	US BANK	13.41		10/07/22
						AMAZON.COM*1M90N5GP2 ADULT BOOKS			
540		04/23	AP	09/13/22	0141431	US BANK	18.70		10/07/22
						AMAZON.COM*1F9A77X02 AMZN ADULT BOOKS			
540		04/23	AP	09/13/22	0141431	US BANK	25.99		10/07/22
						AMAZON.COM*1M1AS7LK1 AMZN ADULT BOOKS			
540		04/23	AP	09/13/22	0141431	US BANK	29.59		10/07/22
						AMAZON.COM*1M7QB94A1 AMZN ADULT BOOKS			
540		04/23	AP	09/13/22	0141431	US BANK	18.51		10/07/22
						AMAZON.COM*1F5TI8720 AMZN ADULT BOOKS			
540		04/23	AP	09/07/22	0141431	US BANK	51.52		10/07/22
						AMAZON.COM*1F6HE9TS1 AMZN ADULT BOOKS			
540		04/23	AP	09/07/22	0141431	US BANK	28.62		10/07/22
						AMAZON.COM*1V2AA7UJ0 AMZN ADULT BOOKS			
540		04/23	AP	09/07/22	0141431	US BANK	13.99		10/07/22
						AMAZON.COM*1F6126TU1 ADULT BOOKS			
540		04/23	AP	09/07/22	0141431	US BANK	21.12		10/07/22
						AMAZON.COM*1F27F3TG1 ADULT BOOKS			
540		04/23	AP	09/07/22	0141431	US BANK	68.73		10/07/22
						AMAZON.COM*1V8JK0I30 ADULT BOOKS			
540		04/23	AP	09/05/22	0141431	US BANK	40.06		10/07/22
						AMAZON.COM*1V6WT8UN1 AMZN ADULT BOOKS			
540		04/23	AP	09/05/22	0141431	US BANK	15.30		10/07/22
						AMAZON.COM*1V0SY29V1 ADULT BOOKS			
540		04/23	AP	09/05/22	0141431	US BANK	27.56		10/07/22
						AMAZON.COM*DR3KW9HJ3 ADULT BOOKS			
540		04/23	AP	09/05/22	0141431	US BANK	12.39		10/07/22
						AMAZON.COM*1V7SY9V80 ADULT BOOKS			
540		04/23	AP	09/02/22	0141431	US BANK	20.29		10/07/22
						AMAZON.COM*1V2QC5DH1 AMZN ADULT BOOKS			
540		04/23	AP	09/02/22	0141431	US BANK	13.99		10/07/22
						AMAZON.COM*1V0OH5SW1 ADULT BOOKS			
540		04/23	AP	08/30/22	0141431	US BANK	42.58		10/07/22
						AMAZON.COM*GE6SD8RH3 AMZN ADULT BOOKS			
540		04/23	AP	08/29/22	0141431	US BANK	11.99		10/07/22
						AMAZON.COM*WY0W22733 AMZN ADULT BOOKS			
						ACCOUNT TOTAL	474.34	.00	474.34
101-1061-423.89-22 MISCELLANEOUS SERVICES / YOUTH BOOKS									
540		04/23	AP	09/20/22	0141431	US BANK	16.89		10/07/22
						AMAZON.COM*1M53B5WV1 AMZN YOUTH BOOKS			
540		04/23	AP	09/19/22	0141431	US BANK	144.82		10/07/22
						AMAZON.COM*1M0CW31G2 AMZN YOUTH BOOKS			
540		04/23	AP	08/30/22	0141431	US BANK	16.99		10/07/22
						AMAZON.COM*4E35T88C3 AMZN YOUTH BOOKS			
540		04/23	AP	08/23/22	0141431	US BANK	39.98		10/07/22
						AMAZON.COM*CT7MV2Y53 AMZN YOUTH BOOKS			

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 101 GENERAL FUND									
101-1061-423.89-22 MISCELLANEOUS SERVICES / YOUTH BOOKS						continued			
						ACCOUNT TOTAL	218.68	.00	218.68
101-1061-423.89-24 MISCELLANEOUS SERVICES / ADULT AUDIO									
540		04/23	AP	09/02/22	0141431	US BANK	36.60		10/07/22
		AMAZON.COM*G956I8EG3 AMZN				ADULT CD BOOKS			
						ACCOUNT TOTAL	36.60	.00	36.60
101-1061-423.89-25 MISCELLANEOUS SERVICES / ADULT VIDEO									
540		04/23	AP	09/13/22	0141431	US BANK	41.74		10/07/22
		AMZN MKTP US*1F69D2X62				ADULT VIDEOS			
540		04/23	AP	09/07/22	0141431	US BANK	39.92		10/07/22
		AMAZON.COM*1V8JK0I30				ADULT VIDEOS			
540		04/23	AP	09/02/22	0141431	US BANK	11.99		10/07/22
		AMAZON.COM*G956I8EG3 AMZN				ADULT VIDEOS			
						ACCOUNT TOTAL	93.65	.00	93.65
101-1061-423.89-36 MISCELLANEOUS SERVICES / YOUTH VIDEO									
540		04/23	AP	09/13/22	0141431	US BANK	8.99		10/07/22
		AMZN MKTP US*1M5OL14J1				YOUTH VIDEOS			
						ACCOUNT TOTAL	8.99	.00	8.99
101-1061-423.89-47 MISCELLANEOUS SERVICES / LIBRARY OF THINGS									
540		04/23	AP	08/25/22	0141431	US BANK	52.00		10/07/22
		AMZN MKTP US*UG2LO5TC3				BIRD SONG IDENTIFIER			
						ACCOUNT TOTAL	52.00	.00	52.00
101-1118-441.71-01 OFFICE SUPPLIES / OFFICE SUPPLIES									
579		04/23	AP	10/06/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	1.74		10/11/22
		COPY PAPER							
579		04/23	AP	09/08/22	0000000	STOREY KENWORTHY	4.85		10/11/22
		#9 WINDOW ENVELOPES							
579		04/23	AP	09/07/22	0000000	STOREY KENWORTHY	4.85		10/11/22
		#9 WINDOW ENVELOPES							
						ACCOUNT TOTAL	11.44	.00	11.44
101-1158-441.71-01 OFFICE SUPPLIES / OFFICE SUPPLIES									
579		04/23	AP	10/06/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	1.74		10/11/22

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 101 GENERAL FUND									
101-1158-441.71-01 OFFICE SUPPLIES / OFFICE SUPPLIES							continued		
						COPY PAPER			
579		04/23	AP	09/08/22	0000000	STOREY KENWORTHY	4.85		10/11/22
						#9 WINDOW ENVELOPES			
579		04/23	AP	09/07/22	0000000	STOREY KENWORTHY	4.85		10/11/22
						#9 WINDOW ENVELOPES			
						ACCOUNT TOTAL	11.44	.00	11.44
101-1158-441.72-01 OPERATING SUPPLIES / OPERATING SUPPLIES									
579		04/23	AP	09/29/22	0000000	SIGNS BY TOMORROW	782.50		10/11/22
						50 SIGNS: CF TRICKORTREAT			
						ACCOUNT TOTAL	782.50	.00	782.50
101-1199-411.32-64 COMM PROTECTION GRANTS / FIRE EQUIPMENT GRANT									
559		04/23	AP	09/26/22	0000000	SHIRT SHACK INC., THE	1,022.77		10/11/22
						PINK BADGE T-SHIRTS			
						ACCOUNT TOTAL	1,022.77	.00	1,022.77
101-1199-441.72-19 OPERATING SUPPLIES / PRINTING									
548		04/23	AP	09/21/22	0000000	COURIER LEGAL COMMUNICATIONS	24.59		10/11/22
						PH NTC-P&Z			
548		04/23	AP	09/15/22	0000000	COURIER LEGAL COMMUNICATIONS	380.34		10/11/22
						PH NTC-9/6/22 MTG MINUTES			
492		04/23	AP	09/13/22	0000000	COURIER COMMUNICATIONS	143.00		10/11/22
						NEWSPAPER SUBSCRIPTION UP TO 52 WEEKS-GOLD			
548		04/23	AP	09/12/22	0000000	COURIER LEGAL COMMUNICATIONS	33.37		10/11/22
						PH NTC-ORDINANCE 3015			
						ACCOUNT TOTAL	581.30	.00	581.30
101-1199-441.81-02 PROFESSIONAL SERVICES / AUDIT									
579		04/23	AP	09/30/22	0000000	EIDE BAILLY, LLP	25,000.00		10/11/22
						INTERIM AUDIT WORK-FY2022 THROUGH SEPTEMBER 30 2022			
						ACCOUNT TOTAL	25,000.00	.00	25,000.00
101-2205-432.71-01 OFFICE SUPPLIES / OFFICE SUPPLIES									
505		04/23	AP	09/27/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	.60		10/11/22
						G2 BOLD PEN REFILLS			
505		04/23	AP	09/19/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	3.29		10/11/22
						COPY PAPER			
						ACCOUNT TOTAL	3.89	.00	3.89

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	TRANSACTION NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 101 GENERAL FUND									
101-2205-432.72-11 OPERATING SUPPLIES / DUES, BOOKS, MAGAZINES									
492		04/23	AP	09/13/22	0000000	COURIER COMMUNICATIONS	143.00		10/11/22
		NEWSPAPER SUBSCRIPTION				UP TO 52 WEEKS-GOLD			
539		04/23	AP	08/29/22	0141431	US BANK	702.00		10/07/22
		AMERICAN PLANNING A				MEMBERSHIP DUES			
						ACCOUNT TOTAL	845.00	.00	845.00
101-2205-432.72-19 OPERATING SUPPLIES / PRINTING									
579		04/23	AP	09/08/22	0000000	STOREY KENWORTHY	4.85		10/11/22
		#9 WINDOW ENVELOPES							
579		04/23	AP	09/07/22	0000000	STOREY KENWORTHY	4.85		10/11/22
		#9 WINDOW ENVELOPES							
						ACCOUNT TOTAL	9.70	.00	9.70
101-2235-412.71-01 OFFICE SUPPLIES / OFFICE SUPPLIES									
505		04/23	AP	09/27/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	2.12		10/11/22
		G2 BOLD PEN REFILLS							
505		04/23	AP	09/19/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	11.73		10/11/22
		COPY PAPER							
579		04/23	AP	09/08/22	0000000	STOREY KENWORTHY	24.25		10/11/22
		#9 WINDOW ENVELOPES							
579		04/23	AP	09/07/22	0000000	STOREY KENWORTHY	24.25		10/11/22
		#9 WINDOW ENVELOPES							
539		04/23	AP	08/23/22	0141431	US BANK	239.99		10/07/22
		FLEXISPOT				STANDING DESK CONVERTERS			
						ACCOUNT TOTAL	302.34	.00	302.34
101-2235-412.71-07 OFFICE SUPPLIES / CODE ENFORCEMENT SUPPLIES									
492		04/23	AP	09/23/22	0000000	PROFESSIONAL LAWN CARE, LLC	190.00		10/11/22
		CODE ENF WEED-1611 GRAND							
492		04/23	AP	09/22/22	0000000	PROFESSIONAL LAWN CARE, LLC	95.00		10/11/22
		CODE ENF MOW-501 CLAY							
						ACCOUNT TOTAL	285.00	.00	285.00
101-2235-412.72-11 OPERATING SUPPLIES / DUES, BOOKS, MAGAZINES									
539		04/23	AP	09/02/22	0141431	US BANK	730.80		10/07/22
		INT'L CODE COUNCIL INC				CODE BOOKS			
						ACCOUNT TOTAL	730.80	.00	730.80
101-2235-412.72-16 OPERATING SUPPLIES / TOOLS									

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 101 GENERAL FUND									
101-2235-412.72-16 OPERATING SUPPLIES / TOOLS						continued			
548		04/23	AP	10/03/22	0000000	O'DONNELL ACE HARDWARE	65.06		10/11/22
	HEADLAMP, FLASHLIGHT					TAPE MEASURE, OUTLET TEST			
		ACCOUNT TOTAL					65.06	.00	65.06
101-2235-412.72-17 OPERATING SUPPLIES / UNIFORMS									
553		04/23	AP	09/15/22	0000000	SERVICEWEAR APPAREL, INC.	54.80		10/11/22
	UNIFORMS-J HENDERSON					HOODIE			
553		04/23	AP	09/15/22	0000000	SERVICEWEAR APPAREL, INC.	147.56		10/11/22
	UNIFORMS-J.MAI					TEES,SWEATSHIRTS			
553		04/23	AP	08/23/22	0000000	SERVICEWEAR APPAREL, INC.	20.13		10/11/22
	UNIFORM-J.MAI					TEE			
553		04/23	AP	08/17/22	0000000	SERVICEWEAR APPAREL, INC.	47.80		10/11/22
	UNIFORM-A.SPRAY					QTR-ZIP SHIRT			
553		04/23	AP	08/17/22	0000000	SERVICEWEAR APPAREL, INC.	47.80		10/11/22
	UNIFORM-J.CRAIG					QTR-ZIP SHIRT			
553		04/23	AP	08/15/22	0000000	SERVICEWEAR APPAREL, INC.	34.24		10/11/22
	UNIFORMS-J.HENDERSON					HEAVYWEIGHT HENLEY			
553		04/23	AP	08/15/22	0000000	SERVICEWEAR APPAREL, INC.	55.11		10/11/22
	UNIFORMS-J.MAI					HEAVYWEIGHT HENLEYS, TEE			
		ACCOUNT TOTAL					407.44	.00	407.44
101-2235-412.83-06 TRANSPORTATION&EDUCATION / EDUCATION									
539		04/23	AP	08/24/22	0141431	US BANK	95.00		10/07/22
	IAPMO					PLUMBING RENEWAL EXAM			
		ACCOUNT TOTAL					95.00	.00	95.00
101-2245-442.71-01 OFFICE SUPPLIES / OFFICE SUPPLIES									
505		04/23	AP	09/27/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	1.70		10/11/22
	G2 BOLD PEN REFILLS								
505		04/23	AP	09/19/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	9.39		10/11/22
	COPY PAPER								
		ACCOUNT TOTAL					11.09	.00	11.09
101-2245-442.72-11 OPERATING SUPPLIES / DUES, BOOKS, MAGAZINES									
492		04/23	AP	09/13/22	0000000	COURIER COMMUNICATIONS	143.00		10/11/22
	NEWSPAPER SUBSCRIPTION					UP TO 52 WEEKS-GOLD			
		ACCOUNT TOTAL					143.00	.00	143.00
101-2245-442.72-19 OPERATING SUPPLIES / PRINTING									

GROUP NBR	PO NBR	ACCTG PER.	----TRANSACTION---- CD	DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 101 GENERAL FUND									
101-2245-442.72-19 OPERATING SUPPLIES / PRINTING						continued			
579		04/23	AP	09/08/22	0000000	STOREY KENWORTHY	48.50		10/11/22
		#9 WINDOW ENVELOPES							
579		04/23	AP	09/07/22	0000000	STOREY KENWORTHY	48.50		10/11/22
		#9 WINDOW ENVELOPES							
						ACCOUNT TOTAL	97.00	.00	97.00
101-2253-423.71-01 OFFICE SUPPLIES / OFFICE SUPPLIES									
543		04/23	AP	10/04/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	20.41		10/11/22
		2023 PLANNER							
543		04/23	AP	09/29/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	39.76		10/11/22
		2023 PLANNER							
543		04/23	AP	09/28/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	23.98		10/11/22
		2023 PLANNER							
485		04/23	AP	09/21/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	23.45		10/11/22
		COPY PAPER							
539		04/23	AP	09/19/22	0141431	US BANK	17.35		10/07/22
		AMZN MKTP US*1M2CV9EU0				BANKER BOXES			
543		04/23	AP	09/02/22	0000000	STOREY KENWORTHY	85.75		10/11/22
		ENVELOPES							
539		04/23	AP	08/29/22	0141431	US BANK	12.99		10/07/22
		CANVA* I03525-18974673				MEDIA			
						ACCOUNT TOTAL	223.69	.00	223.69
101-2253-423.72-30 OPERATING SUPPLIES / REC CENTER EQUIP. & SUPP.									
539		04/23	AP	09/08/22	0141431	US BANK	29.99		10/07/22
		AMZN MKTP US*1V0IP38Q2				POOL TABLE			
539		04/23	AP	09/07/22	0141431	US BANK	8.99		10/07/22
		AMZN MKTP US*1F5GR9JW1				POOL TABLE			
						ACCOUNT TOTAL	38.98	.00	38.98
101-2253-423.72-31 OPERATING SUPPLIES / YOUTH SPORTS EQUIPMENT									
539		04/23	AP	09/14/22	0141431	US BANK	36.00		10/07/22
		NFLFLAGORDER				FLAG FTBALL			
539		04/23	AP	09/07/22	0141431	US BANK	22.98		10/07/22
		AMZN MKTP US*1V1X25UZ0				FLAG FOOTBALL SUPPLIES			
539		04/23	AP	09/01/22	0141431	US BANK	750.00		10/07/22
		NFLFLAGORDER				FLAG FOOTBALL JERSEYS			
						ACCOUNT TOTAL	808.98	.00	808.98
101-2253-423.73-55 OTHER SUPPLIES / MEDIA									
543		04/23	AP	09/26/22	0000000	ICAN, INC.	200.00		10/11/22

GROUP NBR	PO NBR	ACCTG PER.	TRANSACTION CD	DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 101 GENERAL FUND									
101-2253-423.73-55 OTHER SUPPLIES / MEDIA						continued			
		COMMERCIAL							
543		04/23	AP	09/26/22	0000000	ICAN, INC.	350.00		10/11/22
		COMMERCIAL							
						ACCOUNT TOTAL	550.00	.00	550.00
101-2253-423.81-01 PROFESSIONAL SERVICES / PROFESSIONAL SERVICES									
543		04/23	AP	10/04/22	0000000	OSTBY, HILDA	720.00		10/11/22
		DANCE INSTRUCTION							
						ACCOUNT TOTAL	720.00	.00	720.00
101-2253-423.86-30 REPAIR & MAINTENANCE / MAINTENANCE & UPKEEP									
543		04/23	AP	10/05/22	0000000	MENARDS-CEDAR FALLS	140.91		10/11/22
		ACTIVITY ROOM SUPPLIES							
543		04/23	AP	09/01/22	0000000	IWMC	73.00		10/11/22
		REC CENTER WATER WORKS				SEPT 2022			
543		04/23	AP	08/01/22	0000000	IWMC	73.00		10/11/22
		REC CENTER WATER WORKS				AUG 2022			
543		04/23	AP	07/01/22	0000000	IWMC	73.00		10/11/22
		REC CENTER WATER WORKS				JULY 2022			
543		04/23	AP	06/01/22	0000000	IWMC	73.00		10/11/22
		REC CENTER WATER WORKS				JUNE 2022			
543		04/23	AP	05/01/22	0000000	IWMC	58.00		10/11/22
		REC CENTER WATER WORKS				MAY 2022			
543		04/23	AP	04/01/22	0000000	IWMC	58.00		10/11/22
		REC CENTER WATER WORKS				APRIL 2022			
543		04/23	AP	02/01/22	0000000	IWMC	58.00		10/11/22
		REC CENTER WATER WORKS				FEB 2022			
						ACCOUNT TOTAL	606.91	.00	606.91
101-2253-423.86-31 REPAIR & MAINTENANCE / THE FALLS REPAIR & MAINT.									
539		04/23	AP	09/16/22	0141431	US BANK	210.68		10/07/22
		O DONNELL ACE HARDWARE				REPLACE CORDLESS DRILL			
485		04/23	AP	08/31/22	0000000	ACCO UNLIMITED CORPORATION	1,456.25		10/11/22
		LR & ZD SCOURING 2022							
539		04/23	AP	08/29/22	0141431	US BANK	15.38		10/07/22
		O DONNELL ACE HARDWARE				DEPOSIT BAGGIES			
539		04/23	AP	08/25/22	0141431	US BANK	26.76		10/07/22
		O DONNELL ACE HARDWARE				STAINLESS STEEL CLEANER			
						ACCOUNT TOTAL	1,709.07	.00	1,709.07
101-2280-423.71-01 OFFICE SUPPLIES / OFFICE SUPPLIES									

GROUP NBR	PO NBR	ACCTG PER.	----TRANSACTION---- CD	DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 101 GENERAL FUND									
101-2280-423.71-01 OFFICE SUPPLIES / OFFICE SUPPLIES							continued		
539		04/23	AP	09/14/22	0141431	US BANK	9.79		10/07/22
		AMZN MKTP US*1M5TP5NU1 AM				PENS			
539		04/23	AP	09/14/22	0141431	US BANK	53.13		10/07/22
		AMZN MKTP US*1M3TQ5N81 AM				PLANNERS			
539		04/23	AP	09/09/22	0141431	US BANK	14.31		10/07/22
		AMZN MKTP US*1F00T6MQ1 AM				PLANNER			
						ACCOUNT TOTAL	77.23	.00	77.23
101-2280-423.72-70 OPERATING SUPPLIES / CLASSROOM SUPPLIES									
539		04/23	AP	09/15/22	0141431	US BANK	78.58		10/07/22
		HOBBY-LOBBY #0135				STICKERS,BEADS,CARDSTOCK			
539		04/23	AP	09/14/22	0141431	US BANK	33.94		10/07/22
		MICHAELS STORES 1246				BEADS,BELLS,WIRE			
539		04/23	AP	09/08/22	0141431	US BANK	32.37		10/07/22
		MICHAELS STORES 1246				BRUSHES			
539		04/23	AP	09/02/22	0141431	US BANK	63.93		10/07/22
		MICHAELS STORES 1246				PIPE CLEANERS, CANVAS			
						ACCOUNT TOTAL	208.82	.00	208.82
101-2280-423.72-71 OPERATING SUPPLIES / GALLERY SUPPLIES									
562		04/23	AP	10/04/22	0000000	SIGNS BY TOMORROW	191.00		10/11/22
		NEW HUMANIST LABELS							
						ACCOUNT TOTAL	191.00	.00	191.00
101-2280-423.72-72 OPERATING SUPPLIES / PRODUCTS FOR RESALE									
539		04/23	AP	08/29/22	0141431	US BANK	54.75		10/07/22
		AMAZON.COM*MG3AN8583 AMZN				WORTH THE HARVEST BOOKS			
539		04/23	AP	08/25/22	0141431	US BANK	22.99		10/07/22
		AMZN MKTP US*CH7079U43				JAMES HEARST POETRY			
539		04/23	AP	08/24/22	0141431	US BANK	318.87		10/07/22
		CHICAGO BOOKS & JOURNALS				JAMES HEARST POETRY			
						ACCOUNT TOTAL	396.61	.00	396.61
101-2280-423.72-73 OPERATING SUPPLIES / GROUNDS SUPPLIES									
562		04/23	AP	10/05/22	0000000	O'DONNELL ACE HARDWARE	16.69		10/11/22
		BROOM FOR GARDEN							
						ACCOUNT TOTAL	16.69	.00	16.69
101-2280-423.72-74 OPERATING SUPPLIES / SERVICE/VOLUNTEER SUPP.									

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	TRANSACTION NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 101 GENERAL FUND									
101-2280-423.72-74 OPERATING SUPPLIES / SERVICE/VOLUNTEER SUPP.						continued			
562		04/23	AP	09/23/22	0000000	SANDEE'S LIMITED	59.00		10/11/22
		NAME TAGS							
562		04/23	AP	09/23/22	0000000	SANDEE'S LIMITED	14.75		10/11/22
		NAME TAGS							
				ACCOUNT TOTAL			73.75	.00	73.75
101-2280-423.72-99 OPERATING SUPPLIES / POSTAGE									
539		04/23	AP	09/14/22	0141431	US BANK	8.65		10/07/22
		USPS.COM CLICKNSHIP				POSTAGE			
				ACCOUNT TOTAL			8.65	.00	8.65
101-2280-423.81-01 PROFESSIONAL SERVICES / PROFESSIONAL SERVICES									
562		04/23	AP	10/05/22	0000000	CEDAR VALLEY STRINGS	400.00		10/11/22
		CONCERT PERFORMANCE							
562		04/23	AP	09/30/22	0000000	ARAMARK	9.84		10/11/22
		RUG SERVICE							
506		03/23	AP	07/26/22	0140797	GROUT MUSEUM DISTRICT		225.00	09/29/22
		VOID CK-EVENT CANCELLED				STAR LAB OUTREACH FOR			
				ACCOUNT TOTAL			409.84	225.00	184.84
101-2280-423.81-60 PROFESSIONAL SERVICES / EXHIBITION FEES									
539		04/23	AP	09/05/22	0141431	US BANK	100.00		10/07/22
		BEDFORD GALLERY				FIRST PAYMENT ON PERSONAL			
PROJECT#:		577							
				ACCOUNT TOTAL			100.00	.00	100.00
101-2280-423.81-61 PROFESSIONAL SERVICES / PROMOTIONS									
539		04/23	AP	09/12/22	0141431	US BANK	119.40		10/07/22
		CANVA* I03538-18156340				ANNUAL SUBSCRIPTION			
539		04/23	AP	09/01/22	0141431	US BANK	20.00		10/07/22
		FACEBK M5R4NH3ZN2				CLASS AND PROGRAM ADS			
539		04/23	AP	08/29/22	0141431	US BANK	31.16		10/07/22
		DNH*GODADDY.COM				WEBSITE HOSTING RENEWAL			
539		04/23	AP	08/24/22	0141431	US BANK	24.90		10/07/22
		FACEBK FX2JKGBZN2				BROCHURE AND CLASS ADS			
				ACCOUNT TOTAL			195.46	.00	195.46
101-2280-423.88-21 OUTSIDE AGENCIES / PUBLIC ART COMMITTEE									
562		04/23	AP	09/15/22	0000000	ECHO GROUP, INC.	579.06		10/11/22

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 101 GENERAL FUND									
101-2280-423.88-21 OUTSIDE AGENCIES / PUBLIC ART COMMITTEE						continued			
						LIGHTING SUPPLIES FOR DREAM HOUSE SCULPTURE			
						ACCOUNT TOTAL	579.06	.00	579.06
101-2280-423.89-33 MISCELLANEOUS SERVICES / FRIENDS SUPPORTED PROGRAM									
562		04/23	AP	09/20/22	0000000	MARQUART, DEBRA	1,950.00		10/11/22
						PERFORMANCE AND WORKSHOPS			
						ACCOUNT TOTAL	1,950.00	.00	1,950.00
101-2280-423.93-01 EQUIPMENT / EQUIPMENT									
562		04/23	AP	09/29/22	0000000	O'DONNELL ACE HARDWARE	40.93		10/11/22
						BUCKETS, STUDIO EQUIP TOOLS			
						ACCOUNT TOTAL	40.93	.00	40.93
101-4511-414.71-01 OFFICE SUPPLIES / OFFICE SUPPLIES									
579		04/23	AP	10/06/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	3.48		10/11/22
						COPY PAPER			
559		04/23	AP	09/29/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	51.00		10/11/22
						LABEL TAPE			
579		04/23	AP	09/08/22	0000000	STOREY KENWORTHY	9.70		10/11/22
						#9 WINDOW ENVELOPES			
579		04/23	AP	09/07/22	0000000	STOREY KENWORTHY	9.70		10/11/22
						#9 WINDOW ENVELOPES			
						ACCOUNT TOTAL	73.88	.00	73.88
101-4511-414.72-02 OPERATING SUPPLIES / LAUNDRY									
559		04/23	AP	09/30/22	0000000	ARAMARK	7.25		10/11/22
						TOWELS-STATION #1			
559		04/23	AP	09/30/22	0000000	ARAMARK	18.98		10/11/22
						TOWELS;MATS-PSS BUILDING			
						ACCOUNT TOTAL	26.23	.00	26.23
101-4511-414.72-07 OPERATING SUPPLIES / EMS/RESCUE SUPPLIES									
539		04/23	AP	08/31/22	0141431	US BANK	299.98		10/07/22
						AMZN MKTP US*BV78M6D43 2-TACMED BACKPACKS			
						ACCOUNT TOTAL	299.98	.00	299.98
101-4511-414.72-09 OPERATING SUPPLIES / EQUIPMENT REPAIR									

GROUP NBR	PO NBR	ACCTG PER.	----TRANSACTION---- CD	DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 101 GENERAL FUND									
101-4511-414.72-09 OPERATING SUPPLIES / EQUIPMENT REPAIR							continued		
559		04/23	AP	09/22/22	0000000	EQUIPMENT MANAGEMENT COMPANY	218.00		10/11/22
		JAWS OF LIFE REPAIR							
						ACCOUNT TOTAL	218.00	.00	218.00
101-4511-414.72-10 OPERATING SUPPLIES / FIRE PREVENTION									
539		04/23	AP	09/19/22	0141431	US BANK	1,095.48		10/07/22
		NFPA NATL FIRE PROTECT				FIRE PREVENTION MATERIALS			
						ACCOUNT TOTAL	1,095.48	.00	1,095.48
101-4511-414.72-20 OPERATING SUPPLIES / OFFICERS EQUIPMENT									
559		04/23	AP	09/23/22	0000000	SANDRY FIRE SUPPLY, L.L.C.	369.93		10/11/22
		HELMET-MATT KRUEGER							
559		04/23	AP	09/23/22	0000000	SANDRY FIRE SUPPLY, L.L.C.	165.00		10/11/22
		HELMET FRONT				ZOLONDEK/YATES/MCNAMARA			
559		04/23	AP	09/23/22	0000000	SANDRY FIRE SUPPLY, L.L.C.	55.00		10/11/22
		HELMET FRONT-MATT KRUEGER							
539		04/23	AP	08/31/22	0141431	US BANK	477.29		10/07/22
		AMAZON.COM*BW0765WG3 AMZN				4-CHEST WADERS-FIRE			
						ACCOUNT TOTAL	1,067.22	.00	1,067.22
101-4511-414.72-99 OPERATING SUPPLIES / POSTAGE									
539		04/23	AP	08/24/22	0141431	US BANK	17.95		10/07/22
		PK SAFETY SUPPLY				SHIPPING-GAS METER REPAIR			
						ACCOUNT TOTAL	17.95	.00	17.95
101-4511-414.73-10 OTHER SUPPLIES / HEADQUARTER SUPPLIES									
559		04/23	AP	09/28/22	0000000	MENARDS-CEDAR FALLS	92.97		10/11/22
		WINDOW WASHER;CHAPS;APRON							
563		04/23	AP	09/21/22	0000000	DES MOINES STAMP MFG. CO.	24.50		10/11/22
		NOTARY STAMP-J.ZOLONDEK							
						ACCOUNT TOTAL	117.47	.00	117.47
101-4511-414.83-06 TRANSPORTATION&EDUCATION / EDUCATION									
559		04/23	AP	09/29/22	0000000	FIRE SERVICE TRNG. BUREAU	200.00		10/11/22
		2 CERT.FEE-HAZMAT & FF1				MIXDORF/ZIKUDA			
						ACCOUNT TOTAL	200.00	.00	200.00

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	TRANSACTION NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 101 GENERAL FUND									
101-4511-414.89-40 MISCELLANEOUS SERVICES / UNIFORM ALLOWANCE									
559		04/23	AP	10/04/22	0000000	GALLS, LLC	75.75		10/11/22
		PANTS-KYLE MANTERNACH							
559		04/23	AP	09/27/22	0000000	GALLS, LLC	976.50		10/11/22
		JACKETS-INVENTORY							
						ACCOUNT TOTAL	1,052.25	.00	1,052.25
101-4511-414.93-01 EQUIPMENT / EQUIPMENT									
559		04/23	AP	10/02/22	0000000	SANDRY FIRE SUPPLY, L.L.C.	2,141.96		10/11/22
		NOZZLE;2 1/2"; 1250 GPM							
539		04/23	AP	09/20/22	0141431	US BANK		89.60	10/07/22
		AED SUPERSTORE				CREDIT-SALES TAX-DUMMY			
539		04/23	AP	09/08/22	0141431	US BANK	1,369.60		10/07/22
		AED SUPERSTORE				TRAINING MANIKIN			
539		04/23	AP	08/25/22	0141431	US BANK	99.99		10/07/22
		THE HOME DEPOT #2101				300 PIECE DRILL BIT SET			
						ACCOUNT TOTAL	3,611.55	89.60	3,521.95
101-5521-415.71-01 OFFICE SUPPLIES / OFFICE SUPPLIES									
579		04/23	AP	10/06/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	3.48		10/11/22
		COPY PAPER							
563		04/23	AP	09/27/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	16.98		10/11/22
		LETTER PADS							
563		04/23	AP	09/26/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	269.02		10/11/22
		PENS;LABEL TAPE;NOTEBOOKS							
579		04/23	AP	09/08/22	0000000	STOREY KENWORTHY	9.70		10/11/22
		#9 WINDOW ENVELOPES							
579		04/23	AP	09/07/22	0000000	STOREY KENWORTHY	9.70		10/11/22
		#9 WINDOW ENVELOPES							
						ACCOUNT TOTAL	308.88	.00	308.88
101-5521-415.72-01 OPERATING SUPPLIES / OPERATING SUPPLIES									
563		04/23	AP	10/03/22	0000000	SHRED-IT USA	67.83		10/11/22
		ON-SITE DOC. DESTRUCTION				TICKET #88257485			
563		04/23	AP	10/01/22	0000000	THOMSON REUTERS - WEST	299.93		10/11/22
		INVESTIGATIVE SOFTWARE				09/01/22-09/30/22			
559		04/23	AP	09/30/22	0000000	ARAMARK	18.98		10/11/22
		TOWELS;MATS-PSS BUILDING							
563		04/23	AP	09/21/22	0000000	DES MOINES STAMP MFG. CO.	208.00		10/11/22
		NOTARY STAMPS-8 OFFICERS							
539		04/23	AP	09/09/22	0141431	US BANK	67.96		10/07/22
		SCHEELS CEDAR FALLS				MOUTHGUARDS/CUPS-DEF.TACT			
539		04/23	AP	09/05/22	0141431	US BANK	30.15		10/07/22
		WM SUPERCENTER #753				CAR CLEANING SUPPLIES			

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 101 GENERAL FUND									
101-5521-415.72-01 OPERATING SUPPLIES / OPERATING SUPPLIES						continued			
						ACCOUNT TOTAL	692.85	.00	692.85
101-5521-415.72-08 OPERATING SUPPLIES / CAMERA & PHOTO EQUIPMENT									
539		04/23	AP	09/20/22	0141431	US BANK	283.06		10/07/22
		MARTIN BROTHERS				EVIDENCE BAGS			
539		04/23	AP	09/12/22	0141431	US BANK	48.28		10/07/22
		AMZN MKTP US*1F48S6TU2				CASE-DRONE AND IPAD			
						ACCOUNT TOTAL	331.34	.00	331.34
101-5521-415.72-20 OPERATING SUPPLIES / OFFICERS EQUIPMENT									
563		04/23	AP	09/23/22	0000000	GALLS, LLC	97.35		10/11/22
		4 BIKE BAGS-BIKE PATROL							
539		04/23	AP	09/05/22	0141431	US BANK	108.85		10/07/22
		UNITED UNIFORM				SAFETY VESTS			
						ACCOUNT TOTAL	206.20	.00	206.20
101-5521-415.83-04 TRANSPORTATION&EDUCATION / DUES & MEMBERSHIPS									
539		04/23	AP	09/05/22	0141431	US BANK	60.00		10/07/22
		IA SECRETARY OF STATE				RENEW NOTARY			
539		04/23	AP	08/29/22	0141431	US BANK	90.00		10/07/22
		IA SECRETARY OF STATE				RENEW NOTARY/NOTARY APPL.			
						ACCOUNT TOTAL	150.00	.00	150.00
101-5521-415.83-05 TRANSPORTATION&EDUCATION / TRAVEL (FOOD/MILEAGE/LOD)									
539		04/23	AP	09/19/22	0141431	US BANK	362.84		10/07/22
		AMERIC INN				HTL.-DIGIT.FORENSIC-KOHLS			
539		04/23	AP	09/16/22	0141431	US BANK	61.84		10/07/22
		THE OTHER PLACE EDALE				MEALS-CENTRAL SQUARE TRNG			
539		04/23	AP	09/09/22	0141431	US BANK	100.29		10/07/22
		THE OTHER PLACE EDALE				MEALS-CENTRAL SQUARE TRNG			
539		04/23	AP	08/30/22	0141431	US BANK	56.00		10/07/22
		IA PUBLIC DEF TRAINING				HTL.-SUPV.INVEST.-O'NEILL			
539		04/23	AP	08/29/22	0141431	US BANK	497.28		10/07/22
		HILTON GARDEN INN				HOTEL-FIREARMS SCH.-T.FEY			
539		04/23	AP	08/29/22	0141431	US BANK	497.28		10/07/22
		HILTON GARDEN INN				HTL-FIREARM SCH-HERNANDEZ			
539		04/23	AP	08/25/22	0141431	US BANK	45.23		10/07/22
		QUIZNOS #3696				MEALS-ILEA GRADUATION			
						ACCOUNT TOTAL	1,620.76	.00	1,620.76

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	TRANSACTION NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 101 GENERAL FUND									
101-5521-415.83-06 TRANSPORTATION&EDUCATION / EDUCATION									
563		04/23	AP	09/22/22	0000000	IOWA LAW ENFORCEMENT ACADEMY	625.00		10/11/22
		DEF.TACTICS SCH.-DANILSON				JOHNSTON;9/12-9/16/22			
563		04/23	AP	09/22/22	0000000	IOWA LAW ENFORCEMENT ACADEMY	625.00		10/11/22
		DEF.TACTICS SCH.-S.DOUGAN				JOHNSTON;9/12-9/16/22			
563		04/23	AP	09/19/22	0000000	PUBLIC AGENCY TRAINING COUNCI	650.00		10/11/22
		HOSTAGE NEGOT.-L.SCHMIDT				SIOUX CITY;12/12-12/16/22			
539		04/23	AP	09/16/22	0141431	US BANK	595.00		10/07/22
		WPY*COVERT MEDIA CONSULTI				REG:OPEN SRC.TRG-HELGESON			
539		04/23	AP	09/15/22	0141431	US BANK	595.00		10/07/22
		WPY*COVERT MEDIA CONSULTI				REG:OPEN SRC.TRNG-B.KOHLS			
539		04/23	AP	09/07/22	0141431	US BANK	250.00		10/07/22
		GLOCK PROFESSIONAL INC				REG:GLOCK ARMORER-BARRON			
539		04/23	AP	08/31/22	0141431	US BANK	395.00		10/07/22
		FBI NATIONAL ACADEMY				REG:LDRSHP.TACT.-K.REA			
539		04/23	AP	08/31/22	0141431	US BANK	695.00		10/07/22
		FBI LEEDA INC				REG:COMM.LDRSHP.-C.BARRON			
539		04/23	AP	08/31/22	0141431	US BANK	695.00		10/07/22
		FBI LEEDA INC				REG:COMM.LDRSHP.-BECKNER			
539		04/23	AP	08/31/22	0141431	US BANK	695.00		10/07/22
		FBI LEEDA INC				REG:COMM.LDRSHP.-B.HEUER			
539		04/23	AP	08/31/22	0141431	US BANK	695.00		10/07/22
		FBI LEEDA INC				REG:COMM.LDRSHP.-K.REA			
539		04/23	AP	08/30/22	0141431	US BANK	175.00		10/07/22
		LLRMI				REG:CRISIS NEG.-HELGESON			
539		04/23	AP	08/24/22	0141431	US BANK	395.00		10/07/22
		FBI NATIONAL ACADEMY				REG:LDRSHP.TACT.-GERZEMA			
506		03/23	AP	07/28/22	0141098	IOWA I.A.I.		350.00	09/29/22
		VOID CK: NOT ATTENDING				REG:CRIME SCENE-HANCOCK			
506		03/23	AP	07/28/22	0141098	IOWA I.A.I.		350.00	09/29/22
		VOID CK-NOT ATTENDING				REG:CRIME SCENE-B.MADSEN			
563		04/23	AP	07/19/22	0000000	SAFEVISITOR SOLUTIONS	125.00		10/11/22
		SRO APP LICENSE FEE							
						ACCOUNT TOTAL	7,210.00	700.00	6,510.00
101-5521-415.86-05 REPAIR & MAINTENANCE / EQUIPMENT REPAIRS									
563		04/23	AP	09/27/22	0000000	KELTEK INCORPORATED	103.50		10/11/22
		ETHERNET PORT REPAIR							
						ACCOUNT TOTAL	103.50	.00	103.50
101-6613-433.72-01 OPERATING SUPPLIES / OPERATING SUPPLIES									
538		04/23	AP	09/16/22	0000000	SERVICEWEAR APPAREL, INC.	128.65		10/11/22
		UNIFORMS CEMETERY							
						ACCOUNT TOTAL	128.65	.00	128.65

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	TRANSACTION NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 101 GENERAL FUND									
101-6616-446.72-01 OPERATING SUPPLIES / OPERATING SUPPLIES									
560		04/23	AP	09/30/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	63.17		10/11/22
		URINAL CLEANER							
PROJECT#:		062506							
560		04/23	AP	09/28/22	0000000	ECHO GROUP, INC.	87.75		10/11/22
		WIRE NUTS							
PROJECT#:		062514							
560		04/23	AP	09/28/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	1,269.65		10/11/22
		TISSUE, SOAP, TOWELS AND LINERS							
PROJECT#:		062507							
560		04/23	AP	09/23/22	0000000	MENARDS-CEDAR FALLS	39.85		10/11/22
		DRILL BIT							
PROJECT#:		062501							
560		04/23	AP	09/22/22	0000000	MENARDS-CEDAR FALLS	15.73		10/11/22
		PLUMBING REPAIR							
PROJECT#:		062506							
560		04/23	AP	09/22/22	0000000	MENARDS-CEDAR FALLS	6.74		10/11/22
		PLUMBING REPAIR							
PROJECT#:		062506							
538		04/23	AP	09/21/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	44.79		10/11/22
		SCOURING PAD RAQUETBALL COURT WALLS							
PROJECT#:		062507							
560		04/23	AP	09/20/22	0000000	MENARDS-CEDAR FALLS	23.91		10/11/22
		DRILL BITS							
PROJECT#:		062501							
538		04/23	AP	09/19/22	0000000	SERVICEWEAR APPAREL, INC.	111.68		10/11/22
		UNIFORMS PUBLIC BLDGS							
		ACCOUNT TOTAL					1,663.27	.00	1,663.27
101-6616-446.73-06 OTHER SUPPLIES / BUILDING REPAIR									
560		04/23	AP	09/28/22	0000000	PLUMB TECH INC.	368.08		10/11/22
		WATER LINE REPAIR							
PROJECT#:		062506							
538		04/23	AP	09/22/22	0000000	ECHO GROUP, INC.	23.52		10/11/22
		RETURN LIGHT BALLAST PURCHASE CORRECT ONE							
PROJECT#:		062511							
538		04/23	AP	09/21/22	0000000	ECHO GROUP, INC.	114.89		10/11/22
		LIGHT BALLAST							
PROJECT#:		062511							
560		04/23	AP	09/21/22	0000000	MENARDS-CEDAR FALLS	39.99		10/11/22
		LED LIGHTS							
PROJECT#:		062506							
539		04/23	AP	09/19/22	0141431	US BANK	27.85		10/07/22
		AMAZON.COM*1M59S2T62 DIGITAL LEVEL							
PROJECT#:		062506							
538		04/23	AP	09/16/22	0000000	ACCURATE L & DC, LLC	366.72		10/11/22
		WASHING MACHINE REPAIR							
PROJECT#:		062507							

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	TRANSACTION NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 101 GENERAL FUND									
101-6616-446.73-06 OTHER SUPPLIES / BUILDING REPAIR						continued			
560		04/23	AP	09/16/22	0000000	MENARDS-CEDAR FALLS	95.60		10/11/22
		WOOD, ADHESIVE, SCREWS							
PROJECT#:		062501							
506		03/23	AP	08/16/22	0141123	MILLER FENCE CO., INC.		127.00	09/29/22
		VOID CK-CORRECTED AMOUNT				GATE CONTROLLER REPAIR			
PROJECT#:		062511							
		ACCOUNT TOTAL					1,036.65	127.00	909.65
101-6616-446.86-02 REPAIR & MAINTENANCE / BUILDINGS & GROUNDS									
560		04/23	AP	10/01/22	0000000	FRESH START CLEANING SOLUTION	4,500.00		10/11/22
		JANITORIAL SERVICES							
PROJECT#:		062501							
560		04/23	AP	10/01/22	0000000	FRESH START CLEANING SOLUTION	700.00		10/11/22
		JANITORIAL SERVICES							
PROJECT#:		062509							
560		04/23	AP	10/01/22	0000000	FRESH START CLEANING SOLUTION	7,000.00		10/11/22
		JANITORIAL SERVICES							
PROJECT#:		062507							
560		04/23	AP	10/01/22	0000000	FRESH START CLEANING SOLUTION	3,165.00		10/11/22
		JANITORIAL SERVICES							
PROJECT#:		062511							
560		04/23	AP	10/01/22	0000000	FRESH START CLEANING SOLUTION	770.00		10/11/22
		JANITORIAL SERVICES							
PROJECT#:		062508							
560		04/23	AP	10/01/22	0000000	FRESH START CLEANING SOLUTION	3,300.00		10/11/22
		JANITORIAL SERVICES							
PROJECT#:		062503							
560		04/23	AP	10/01/22	0000000	FRESH START CLEANING SOLUTION	1,865.00		10/11/22
		JANITORIAL SERVICES							
PROJECT#:		062506							
560		04/23	AP	10/01/22	0000000	FRESH START CLEANING SOLUTION	1,500.00		10/11/22
		JANITORIAL SERVICES							
PROJECT#:		062505							
560		04/23	AP	10/01/22	0000000	FRESH START CLEANING SOLUTION	300.00		10/11/22
		JANITORIAL SERVICES							
PROJECT#:		062515							
560		04/23	AP	09/30/22	0000000	ARAMARK	19.50		10/11/22
		MAT SERVICE							
PROJECT#:		062501							
564		04/23	AP	09/30/22	0000000	ARAMARK	43.20		10/11/22
		MAT SERVICE							
PROJECT#:		062506							
560		04/23	AP	09/29/22	0000000	BLACKHAWK SPRINKLERS,INC.	287.45		10/11/22
		FIRE SPRINKLER TESTING							
PROJECT#:		062503							
538		04/23	AP	09/22/22	0000000	HAWKEYE ALARM & SIGNAL CO.	1,135.00		10/11/22
		FIRE ALARM DEALER INSTALL				AND MONITORING SERVICE			

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 101 GENERAL FUND									
101-6616-446.86-02 REPAIR & MAINTENANCE / BUILDINGS & GROUNDS						continued			
PROJECT#:		062507							
						ACCOUNT TOTAL	24,585.15	.00	24,585.15
101-6616-446.86-14 REPAIR & MAINTENANCE / MECH EQUIPMENT SERVICING									
560		04/23	AP	09/21/22	0000000	AIRE SERV.OF THE CEDAR VALLEY	185.00		10/11/22
		HVAC REPAIR							
PROJECT#:		062501							
560		04/23	AP	09/21/22	0000000	AIRE SERV.OF THE CEDAR VALLEY	998.75		10/11/22
		HVAC REPAIR							
PROJECT#:		062509							
560		04/23	AP	09/21/22	0000000	AIRE SERV.OF THE CEDAR VALLEY	2,810.53		10/11/22
		HVAC REPAIR							
PROJECT#:		062507							
						ACCOUNT TOTAL	3,994.28	.00	3,994.28
101-6623-423.86-01 REPAIR & MAINTENANCE / REPAIR & MAINTENANCE									
538		04/23	AP	09/22/22	0000000	TOBEN DRAINAGE, LLC	539.00		10/11/22
		DRAINAGE TILE WORK AT				PHEASANT RIDGE			
						ACCOUNT TOTAL	539.00	.00	539.00
101-6625-432.71-01 OFFICE SUPPLIES / OFFICE SUPPLIES									
505		04/23	AP	09/27/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	2.13		10/11/22
		G2 BOLD PEN REFILLS							
505		04/23	AP	09/19/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	11.73		10/11/22
		COPY PAPER							
579		04/23	AP	09/08/22	0000000	STOREY KENWORTHY	24.25		10/11/22
		#9 WINDOW ENVELOPES							
579		04/23	AP	09/07/22	0000000	STOREY KENWORTHY	24.25		10/11/22
		#9 WINDOW ENVELOPES							
						ACCOUNT TOTAL	62.36	.00	62.36
101-6625-432.72-11 OPERATING SUPPLIES / DUES, BOOKS, MAGAZINES									
492		04/23	AP	09/13/22	0000000	COURIER COMMUNICATIONS	142.99		10/11/22
		NEWSPAPER SUBSCRIPTION				UP TO 52 WEEKS-GOLD			
						ACCOUNT TOTAL	142.99	.00	142.99
101-6625-432.81-44 PROFESSIONAL SERVICES / USGS RIVER GAUGE									
505		04/23	AP	09/20/22	0000000	MIDAMERICAN ENERGY	10.24		10/11/22
		FINCHFORD RIVER GAUGE				08/22-09/20/22			

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 101 GENERAL FUND									
101-6625-432.81-44 PROFESSIONAL SERVICES / USGS RIVER GAUGE						continued			
						ACCOUNT TOTAL	10.24	.00	10.24
101-6625-432.86-25 REPAIR & MAINTENANCE / ENGINEERING & ARCHITECT.									
546		04/23	AP	09/07/22	0000000	AECOM TECHNICAL SERVICES, INC	280.40		10/11/22
		3282-SURVEY SERVICES				08/06-09/02/22 SURVEY			
PROJECT#:		023282							
546		04/23	AP	08/15/22	0000000	TERRACON CONSULTANTS, INC.	432.39		10/11/22
		3257-WILD HOURSE 5TH ADD.				SERVICES THROUGH 08/06/22			
PROJECT#:		023257							
						ACCOUNT TOTAL	712.79	.00	712.79
101-6633-423.72-01 OPERATING SUPPLIES / OPERATING SUPPLIES									
538		04/23	AP	09/29/22	0000000	SERVICEWEAR APPAREL, INC.		23.39	10/11/22
		UNIFORMS RETURN KIM A							
560		04/23	AP	09/29/22	0000000	WAPSIE PINES LAWN CARE/LANDSC	6,719.76		10/11/22
		SEERLEY TREES							
538		04/23	AP	09/27/22	0000000	O'DONNELL ACE HARDWARE	67.94		10/11/22
		ROPE, FOAM SEALANT							
494		04/23	AP	09/23/22	0000000	O'DONNELL ACE HARDWARE	2.69		10/11/22
		KEY FOR LITTLE RED SCHOOL				HOUSE			
494		04/23	AP	09/23/22	0000000	STOKES WELDING	267.96		10/11/22
		BATTERY AND CHAINS STIHL				SAW PARKS			
494		04/23	AP	09/22/22	0000000	BENTON BUILDING CENTER	23.31		10/11/22
		RED SCHOOL HOUSE DOOR							
494		04/23	AP	09/22/22	0000000	BUILDERS SELECT LLC	42.95		10/11/22
		FLAG POLE NEIGHBORS PARK				BIRDS NEST			
564		04/23	AP	09/21/22	0000000	PRECISE MRM LLC	875.20		10/11/22
		3 AVL SYSTEMS FOR REC				TRAIL SNOW CLEARING			
538		04/23	AP	09/19/22	0000000	SERVICEWEAR APPAREL, INC.	79.23		10/11/22
		UNIFORMS PARKS							
538		04/23	AP	09/19/22	0000000	STOKES WELDING	145.98		10/11/22
		CHAINSAW SUPPLIES							
538		04/23	AP	09/16/22	0000000	SERVICEWEAR APPAREL, INC.	318.11		10/11/22
		UNIFORMS PARKS							
506		03/23	AP	07/15/22	0141123	MILLER FENCE CO., INC.		192.59	09/29/22
		VOID CK-CORRECTED AMOUNT				PARKS FLAGS			
						ACCOUNT TOTAL	8,543.13	215.98	8,327.15
101-6633-423.83-06 TRANSPORTATION&EDUCATION / EDUCATION									
539		04/23	AP	09/15/22	0141431	US BANK	850.00		10/07/22
		SQ *NORTHLAND CDL TRAININ				CDL TRAINING FOR BRENNAN			
539		04/23	AP	09/15/22	0141431	US BANK	850.00		10/07/22
		SQ *NORTHLAND CDL TRAININ				CDL CLASS FOR BRIAN			

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 101 GENERAL FUND									
101-6633-423.83-06 TRANSPORTATION&EDUCATION / EDUCATION						continued			
539		04/23	AP	09/15/22	0141431	US BANK	850.00		10/07/22
		SQ *NORTHLAND CDL TRAININ				CDL CLASS FOR COLBY			
		ACCOUNT TOTAL					2,550.00	.00	2,550.00
101-6633-423.92-01 STRUCTURE IMPROV & BLDGS / STRUCTURE IMPROV & BLDGS									
538		04/23	AP	09/28/22	0000000	BENTON'S READY MIX CONCRETE,	375.00		10/11/22
		SIDEWALK REPAIR FROM TREE				REMOVAL 614 TREMONT			
		ACCOUNT TOTAL					375.00	.00	375.00
		FUND TOTAL					112,056.43	1,357.58	110,698.85
FUND 203 TAX INCREMENT FINANCING									
FUND 206 STREET CONSTRUCTION FUND									
206-6637-436.72-16 OPERATING SUPPLIES / TOOLS									
560		04/23	AP	09/28/22	0000000	MENARDS-CEDAR FALLS	3.98		10/11/22
		DRILL BIT							
538		04/23	AP	09/26/22	0000000	O'DONNELL ACE HARDWARE	5.69		10/11/22
		DRILL BITS							
		ACCOUNT TOTAL					9.67	.00	9.67
206-6637-436.72-17 OPERATING SUPPLIES / UNIFORMS									
538		04/23	AP	09/19/22	0000000	SERVICEWEAR APPAREL, INC.	222.82		10/11/22
		UNIFORMS STREETS							
538		04/23	AP	09/16/22	0000000	SERVICEWEAR APPAREL, INC.	573.06		10/11/22
		UNIFORMS STREETS							
		ACCOUNT TOTAL					795.88	.00	795.88
206-6637-436.72-60 OPERATING SUPPLIES / SAFETY SUPPLIES									
548		04/23	AP	10/01/22	0000000	BROWN'S SHOE FIT	130.00		10/11/22
		SAFETY SHOES-T SCHLAMP				P.O. 56767			
		ACCOUNT TOTAL					130.00	.00	130.00
206-6637-436.73-05 OTHER SUPPLIES / OPERATING EQUIPMENT									
494		04/23	AP	09/21/22	0000000	BLACK HAWK RENTAL	1,100.00		10/11/22
		ASPHALT FLAT SAW BLADE							
		ACCOUNT TOTAL					1,100.00	.00	1,100.00

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	TRANSACTION NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 206 STREET CONSTRUCTION FUND									
206-6637-436.73-28 OTHER SUPPLIES / SIDEWALKS									
494		04/23	AP	09/22/22	0000000	BENTON'S READY MIX CONCRETE,	350.00		10/11/22
		CONCRETE FOR SIDEWALK				REPAIR IN FRONT OF HEARST			
				ACCOUNT TOTAL			350.00	.00	350.00
206-6637-436.73-32 OTHER SUPPLIES / STREETS									
538		04/23	AP	09/30/22	0000000	BLACK HAWK RENTAL	165.75		10/11/22
		PROPANE FOR PRO PATCHER							
538		04/23	AP	09/29/22	0000000	BENTON'S READY MIX CONCRETE,	487.50		10/11/22
		CONCRETE FOR CFU REPAIR				UNIVERSITY AVE			
		PROJECT#:		062436					
538		04/23	AP	09/29/22	0000000	BENTON'S READY MIX CONCRETE,	539.75		10/11/22
		CONCRETE FOR CFU REPAIR				N FRANCIS ST			
		PROJECT#:		062436					
538		04/23	AP	09/29/22	0000000	BUILDERS SELECT LLC	39.96		10/11/22
		LUMBER FOR CONCRETE				REPAIR			
538		04/23	AP	09/27/22	0000000	BENTON'S READY MIX CONCRETE,	2,540.00		10/11/22
		CONCRETE FOR GREEN CREEK				STREET REPAIR			
538		04/23	AP	09/27/22	0000000	BUILDERS SELECT LLC	13.98		10/11/22
		LUMBER FOR CONCRETE FORMS							
538		04/23	AP	09/24/22	0000000	ASPRO, INC.	293.76		10/11/22
		HOT MIX ASPHALT							
494		04/23	AP	09/21/22	0000000	BENTON'S READY MIX CONCRETE,	984.25		10/11/22
		CONCRETE FOR CFU REPAIRS							
		PROJECT#:		062436					
494		04/23	AP	09/20/22	0000000	BENTON'S READY MIX CONCRETE,	450.00		10/11/22
		CONCRETE FOR CFU REPAIRS							
		PROJECT#:		062436					
494		04/23	AP	09/19/22	0000000	BENTON'S READY MIX CONCRETE,	635.00		10/11/22
		CONCRETE FOR REPAIR AT				7TH STREET			
494		04/23	AP	09/17/22	0000000	ASPRO, INC.	480.96		10/11/22
		HOT MIX ASPHALT							
494		04/23	AP	09/17/22	0000000	ASPRO, INC.	1,374.72		10/11/22
		HOX MIX ASPHALT							
494		04/23	AP	09/10/22	0000000	BMC AGGREGATES L.C.	1,258.29		10/11/22
		ROAD STONE FOR ALLEYS/				SHOULDERS			
				ACCOUNT TOTAL			9,263.92	.00	9,263.92
206-6637-436.83-06 TRANSPORTATION&EDUCATION / EDUCATION									
539		04/23	AP	09/15/22	0141431	US BANK	850.00		10/07/22
		SQ *NORTHLAND CDL TRAININ				CDL TRAINING FOR NIK			
				ACCOUNT TOTAL			850.00	.00	850.00
206-6637-436.92-81 STRUCTURE IMPROV & BLDGS / PERMEABLE ALLEY PROGRAM									

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 206 STREET CONSTRUCTION FUND									
206-6637-436.92-81 STRUCTURE IMPROV & BLDGS / PERMEABLE ALLEY PROGRAM						continued			
505			04/23	AP	09/29/22	0000000 OWEN CONTRACTING INC.	111,974.36		10/11/22
		3268-2022 ALLEY RECON.							
PROJECT#:		023268							
546			04/23	AP	09/07/22	0000000 AECOM TECHNICAL SERVICES, INC	6,501.73		10/11/22
		3268-2022 ALLEY RECON				08/06-09/02/22 SURVEY			
PROJECT#:		023268							
		ACCOUNT TOTAL					118,476.09	.00	118,476.09
206-6637-436.92-93 STRUCTURE IMPROV & BLDGS / WEST 27TH ST IMPROVEMENTS									
505			04/23	AP	09/29/22	0000000 PETERSON CONTRACTORS	165,090.67		10/11/22
		3240-W 27TH ST RECON							
PROJECT#:		023240							
505			04/23	AP	09/13/22	0000000 AECOM TECHNICAL SERVICES, INC	7,944.13		10/11/22
		3240-W 27TH ST RECON				THROUGH 09/09/22			
PROJECT#:		023240							
546			04/23	AP	08/15/22	0000000 TERRACON CONSULTANTS, INC.	620.09		10/11/22
		3240-W 27TH ST RECON				SERVICES THROUGH 08/06/22			
PROJECT#:		023240							
		ACCOUNT TOTAL					173,654.89	.00	173,654.89
206-6637-436.93-01 EQUIPMENT / EQUIPMENT									
564			04/23	AP	10/03/22	0000000 DON'S TRUCK SALES, INC.	84,001.00		10/11/22
		PLOW TRUCK CHASSIS				PW03256			
		ACCOUNT TOTAL					84,001.00	.00	84,001.00
206-6647-436.72-01 OPERATING SUPPLIES / OPERATING SUPPLIES									
560			04/23	AP	09/27/22	0000000 LAWSON PRODUCTS, INC.	406.03		10/11/22
		HARDWARE							
560			04/23	AP	09/27/22	0000000 O'DONNELL ACE HARDWARE	46.66		10/11/22
		ELECTRICAL SUPPLIES							
560			04/23	AP	09/26/22	0000000 ECHO GROUP, INC.	101.17		10/11/22
		WIRE							
538			04/23	AP	09/21/22	0000000 ECHO GROUP, INC.	14.58		10/11/22
		ELECTRICAL SUPPLIES							
538			04/23	AP	09/21/22	0000000 ECHO GROUP, INC.	42.61		10/11/22
		ELECTRICAL SUPPLIES							
494			04/23	AP	09/20/22	0000000 O'DONNELL ACE HARDWARE	47.96		10/11/22
		SPIDER KILLER SPRAY							
538			04/23	AP	09/20/22	0000000 ECHO GROUP, INC.	53.47		10/11/22
		ELECTRICAL SUPPLIES							
538			04/23	AP	09/19/22	0000000 SERVICEWEAR APPAREL, INC.	83.76		10/11/22
		UNIFORMS TRAFFIC							
494			04/23	AP	09/14/22	0000000 ECHO GROUP, INC.	163.12		10/11/22

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 206 STREET CONSTRUCTION FUND									
206-6647-436.72-01 OPERATING SUPPLIES / OPERATING SUPPLIES						continued			
		ELECTRICAL SUPPLIES							
494		04/23	AP	09/14/22	0000000	MENARDS-CEDAR FALLS	38.22		10/11/22
		BAG CRETE FOR SCULPTURE				LIGHTS			
494		04/23	AP	09/09/22	0000000	ECHO GROUP, INC.	156.01		10/11/22
		ELECTRICAL SUPPLIES							
494		04/23	AP	09/09/22	0000000	MENARDS-CEDAR FALLS	8.98		10/11/22
		BATTERY CLEANER							
560		04/23	AP	09/02/22	0000000	ECHO GROUP, INC.	107.53		10/11/22
		ELECTRICAL SUPPLIES							
560		04/23	AP	08/10/22	0000000	ELECTRICAL ENGINEERING & EQUI	166.76		10/11/22
		ELECTRICAL SUPPLIES							
		ACCOUNT TOTAL					1,436.86	.00	1,436.86
206-6647-436.72-60 OPERATING SUPPLIES / SAFETY SUPPLIES									
548		04/23	AP	10/03/22	0000000	THOMPSON SHOES	175.00		10/11/22
		SAFETY SHOES-M LUKEHART				P.O. 56762			
548		04/23	AP	10/01/22	0000000	BROWN'S SHOE FIT	175.00		10/11/22
		SAFETY SHOES-B GRAHAM				P.O. 56761			
		ACCOUNT TOTAL					350.00	.00	350.00
206-6647-436.72-62 OPERATING SUPPLIES / PAINT									
494		04/23	AP	08/31/22	0000000	SHERWIN-WILLIAMS COMPANY	76.74		10/11/22
		PAINT							
494		04/23	AP	08/30/22	0000000	SHERWIN-WILLIAMS COMPANY	153.48		10/11/22
		PAINT							
		ACCOUNT TOTAL					230.22	.00	230.22
206-6647-436.73-12 OTHER SUPPLIES / TRAFFIC SIGNALS									
494		04/23	AP	09/21/22	0000000	ATHENS TECHNICAL SPECIALISTS,	682.49		10/11/22
		RECALIBRATION OF MMU				TESTER			
		ACCOUNT TOTAL					682.49	.00	682.49
206-6647-436.92-01 STRUCTURE IMPROV & BLDGS / STRUCTURE IMPROV & BLDGS									
560		04/23	AP	09/28/22	0000000	KW ELECTRIC, INC.	2,925.00		10/11/22
		LABOR FOR SIREN UPGRADE							
494		04/23	AP	09/15/22	0000000	MID AMERICAN SIGNAL, INC.	3,700.00		10/11/22
		SIGNAL CONNECTIVITY							
494		04/23	AP	09/15/22	0000000	MID AMERICAN SIGNAL, INC.	250.00		10/11/22
		ANTENNA							
494		04/23	AP	09/15/22	0000000	MID AMERICAN SIGNAL, INC.	17,635.00		10/11/22
		DETECTION UPGRADE WATERLO				O ROAD AND 18TH			

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 206 STREET CONSTRUCTION FUND									
206-6647-436.92-01 STRUCTURE IMPROV & BLDGS / STRUCTURE IMPROV & BLDGS							continued		
						ACCOUNT TOTAL	24,510.00	.00	24,510.00
						FUND TOTAL	415,841.02	.00	415,841.02
FUND 215 HOSPITAL FUND									
FUND 216 POLICE BLOCK GRANT FUND									
FUND 217 SECTION 8 HOUSING FUND									
217-2214-432.71-01 OFFICE SUPPLIES / OFFICE SUPPLIES									
505		04/23	AP	09/27/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	.34		10/11/22
		G2 BOLD PEN REFILLS							
505		04/23	AP	09/19/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	1.88		10/11/22
		COPY PAPER							
						ACCOUNT TOTAL	2.22	.00	2.22
217-2214-432.72-01 OPERATING SUPPLIES / OPERATING SUPPLIES									
579		04/23	AP	09/08/22	0000000	STOREY KENWORTHY	29.10		10/11/22
		#9 WINDOW ENVELOPES							
579		04/23	AP	09/07/22	0000000	STOREY KENWORTHY	29.10		10/11/22
		#9 WINDOW ENVELOPES							
539		04/23	AP	08/24/22	0038891	US BANK	106.50		10/07/22
		AMZN MKTP US*1M9ZU1BQ3				TONER HOUSING PRINTER			
						ACCOUNT TOTAL	164.70	.00	164.70
217-2214-432.81-01 PROFESSIONAL SERVICES / PROFESSIONAL SERVICES									
492		04/23	AP	09/30/22	0000000	ONE SOURCE THE BACKGROUND CHE	101.00		10/11/22
		SEPTEMBER APPLICANTS SEC8				3 APPLICANTS			
492		04/23	AP	07/31/22	0000000	MRI SOFTWARE LLC	13,288.92		10/11/22
		ANNUAL HAPPY SOFTWARE FEE				11/1/22-10/31/23			
						ACCOUNT TOTAL	13,389.92	.00	13,389.92
						FUND TOTAL	13,556.84	.00	13,556.84
FUND 223 COMMUNITY BLOCK GRANT									
223-2224-432.71-01 OFFICE SUPPLIES / OFFICE SUPPLIES									
579		04/23	AP	10/06/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	1.74		10/11/22
		COPY PAPER							
505		04/23	AP	09/27/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	.09		10/11/22
		G2 BOLD PEN REFILLS							
505		04/23	AP	09/19/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	.47		10/11/22

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 223 COMMUNITY BLOCK GRANT									
223-2224-432.71-01 OFFICE SUPPLIES / OFFICE SUPPLIES						continued			
		COPY PAPER							
						ACCOUNT TOTAL	2.30	.00	2.30
223-2224-432.72-19 OPERATING SUPPLIES / PRINTING									
548		04/23	AP	09/22/22	0000000	COURIER LEGAL COMMUNICATIONS	184.43		10/11/22
		CDBG NTC OF INTENT							
579		04/23	AP	09/08/22	0000000	STOREY KENWORTHY	9.70		10/11/22
		#9 WINDOW ENVELOPES							
579		04/23	AP	09/07/22	0000000	STOREY KENWORTHY	9.70		10/11/22
		#9 WINDOW ENVELOPES							
						ACCOUNT TOTAL	203.83	.00	203.83
						FUND TOTAL	206.13	.00	206.13
FUND 224 TRUST & AGENCY									
FUND 242 STREET REPAIR FUND									
242-1240-431.92-25 STRUCTURE IMPROV & BLDGS / CEDAR HEIGHTS AREA RECON									
505		04/23	AP	09/13/22	0000000	AECOM TECHNICAL SERVICES, INC	31,282.41		10/11/22
		3271-N CEDAR HEIGHTS PH1				07/02-09/09/22			
PROJECT#:		023271							
546		04/23	AP	09/07/22	0000000	AECOM TECHNICAL SERVICES, INC	1,892.32		10/11/22
		3271-N CEDAR HEIGHTS PH1				08/06-09/02/22 SURVEY			
PROJECT#:		023271							
546		04/23	AP	09/07/22	0000000	AECOM TECHNICAL SERVICES, INC	5,970.37		10/11/22
		3271-N CEDAR HEIGHTS PH1				08/06-09/02/22 SURVEY			
PROJECT#:		023271							
						ACCOUNT TOTAL	39,145.10	.00	39,145.10
242-1240-431.92-44 STRUCTURE IMPROV & BLDGS / STREET RECONSTRUCTION									
505		04/23	AP	09/29/22	0000000	PETERSON CONTRACTORS	232,312.67		10/11/22
		3230-2022 STREET CONST.							
PROJECT#:		023230							
546		04/23	AP	08/15/22	0000000	TERRACON CONSULTANTS, INC.	106.00		10/11/22
		3230-2022 STREET RECON				OLIVE ST THROUGH 08/06/22			
PROJECT#:		023230							
						ACCOUNT TOTAL	232,418.67	.00	232,418.67
242-1240-431.92-53 STRUCTURE IMPROV & BLDGS / WEST 1ST STREET RECONST									
506		03/23	AP	06/09/22	0141097	IOWA DEPT-TRANSPORTATION		5,715,303.77	09/29/22
		VOID CK-DIFFERENT AMOUNT				3118:W.1ST-ST. RECONST.			

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 242 STREET REPAIR FUND									
242-1240-431.92-53 STRUCTURE IMPROV & BLDGS / WEST 1ST STREET RECONST						continued			
PROJECT#:		023118							
546		04/23	AP	06/09/22	0000000	IOWA DEPT-TRANSPORTATION	4,413,095.96		10/11/22
		3118-W.1ST ST. RECONST.				CITY SHARE-CONSTRUCTION			
PROJECT#:		023118							
		ACCOUNT TOTAL					4,413,095.96	5,715,303.77	1,302,207.81-
242-1240-431.98-45 CAPITAL PROJECTS / MAIN STREET RECONSTRUCT									
505		04/23	AP	10/04/22	0000000	K3D, LLC	1,500.00		10/11/22
		3283-MAIN ST RECONSTRUCT				1123 MAIN RENT			
PROJECT#:		023283							
505		04/23	AP	10/04/22	0000000	K3D, LLC	1,500.00		10/11/22
		3283-MAIN ST RECONSTRUCT				1125 MAIN RENT			
PROJECT#:		023283							
579		04/23	AP	09/26/22	0000000	AHLERS AND COONEY, P.C.	3,972.30		10/11/22
		3283-MAIN ST. RECONSTUCT				8/20/22-9/19/22			
PROJECT#:		023283							
546		04/23	AP	09/22/22	0000000	FOTH INFRASTRUCTURE & ENVIRON	171,949.02		10/11/22
		3283-MAIN ST RECONSTRUCT				SERVICES THROUGH 08/31/22			
PROJECT#:		023283							
		ACCOUNT TOTAL					178,921.32	.00	178,921.32
		FUND TOTAL					4,863,581.05	5,715,303.77	851,722.72-
FUND 254 CABLE TV FUND									
254-1088-431.72-01 OPERATING SUPPLIES / OPERATING SUPPLIES									
505		04/23	AP	09/27/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	.34		10/11/22
		G2 BOLD PEN REFILLS							
505		04/23	AP	09/19/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	1.88		10/11/22
		COPY PAPER							
539		04/23	AP	09/19/22	0141431	US BANK	90.51		10/07/22
		AMZN MKTP US*1M4YC2AC2				NITRILE GLOVES&WIRE/CABLE			
539		04/23	AP	09/09/22	0141431	US BANK	622.93		10/07/22
		B&H PHOTO 800-606-6969				MINI MICROPHONE&LOCK PLAT			
579		04/23	AP	09/08/22	0000000	STOREY KENWORTHY	4.85		10/11/22
		#9 WINDOW ENVELOPES							
579		04/23	AP	09/07/22	0000000	STOREY KENWORTHY	4.85		10/11/22
		#9 WINDOW ENVELOPES							
539		04/23	AP	08/31/22	0141431	US BANK	396.00		10/07/22
		B&H PHOTO 800-606-6969				LEXAR MEMORY CARDS			
		ACCOUNT TOTAL					1,121.36	.00	1,121.36
254-1088-431.73-01 OTHER SUPPLIES / REPAIR & MAINT. SUPPLIES									

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	TRANSACTION NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 254 CABLE TV FUND									
254-1088-431.73-01 OTHER SUPPLIES / REPAIR & MAINT. SUPPLIES						continued			
539		04/23	AP	09/20/22	0141431	US BANK	293.53		10/07/22
		B&H PHOTO 800-606-6969				SONY MINI MICROPHONE			
539		04/23	AP	09/06/22	0141431	US BANK	36.44		10/07/22
		B&H PHOTO 800-606-6969				TELEX 1/4 WAVE ANTENNA			
		ACCOUNT TOTAL					329.97	.00	329.97
254-1088-431.83-05 TRANSPORTATION&EDUCATION / TRAVEL (FOOD/MILEAGE/LOD)									
539		04/23	AP	09/12/22	0141431	US BANK	84.67		10/07/22
		CASEYS #3610				CASEY'S: FOOD FOR CREW			
539		04/23	AP	09/12/22	0141431	US BANK	28.86		10/07/22
		CASEYS PIZZA 3610				CASEYS: FOOD FOR CREW			
539		04/23	AP	08/29/22	0141431	US BANK	100.32		10/07/22
		CASEYS #3610				CASEYS: FOOD FOR CREW FOR			
539		04/23	AP	08/29/22	0141431	US BANK	8.80		10/07/22
		DOLLAR GENERAL #14412				ICE FOR VIDEO CREW			
		ACCOUNT TOTAL					222.65	.00	222.65
254-1088-431.93-01 EQUIPMENT / EQUIPMENT									
539		04/23	AP	09/20/22	0141431	US BANK	448.99		10/07/22
		B&H PHOTO 800-606-6969				TASCAM PORTACAPTURE			
539		04/23	AP	09/15/22	0141431	US BANK	290.79		10/07/22
		B&H PHOTO 800-606-6969				TRAVELER CAMERA CASE			
539		04/23	AP	09/15/22	0141431	US BANK	45.02		10/07/22
		AMZN MKTP US*1M1H52EZ1				SERIAL CABLES/CONVERTERS			
539		04/23	AP	09/15/22	0141431	US BANK	542.92		10/07/22
		B&H PHOTO 800-606-6969				MINI BROADCAST CAMERAS			
539		04/23	AP	09/13/22	0141431	US BANK	25.08		10/07/22
		AMZN MKTP US*1M5V77FZ1				SERIAL EXTENSION CABLES			
539		04/23	AP	09/12/22	0141431	US BANK	747.00		10/07/22
		AMZN MKTP US*1F2V21X00				HP WIRELESS PRINTER			
539		04/23	AP	09/07/22	0141431	US BANK	54.40		10/07/22
		FULL COMPASS SYSTEMS				POWER SUPPLY & CAMERA ARM			
539		04/23	AP	08/30/22	0141431	US BANK	828.28		10/07/22
		B&H PHOTO 800-606-6969				SPORTS ANNOUNCER CONSOLE			
539		04/23	AP	08/30/22	0141431	US BANK	421.20		10/07/22
		B&H PHOTO 800-606-6969				FUJINON FOCUS BLOCK			
539		04/23	AP	08/25/22	0141431	US BANK	29.88		10/07/22
		AMZN MKTP US*QT93I7A83				HP 564XL INK CARTRIDGES			
		ACCOUNT TOTAL					3,433.56	.00	3,433.56
		FUND TOTAL					5,107.54	.00	5,107.54

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 258 PARKING FUND									
258-5531-435.71-01 OFFICE SUPPLIES / OFFICE SUPPLIES									
505		04/23	AP	09/27/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	.51		10/11/22
		G2 BOLD PEN REFILLS							
505		04/23	AP	09/19/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	2.82		10/11/22
		COPY PAPER							
579		04/23	AP	09/08/22	0000000	STOREY KENWORTHY	24.25		10/11/22
		#9 WINDOW ENVELOPES							
579		04/23	AP	09/07/22	0000000	STOREY KENWORTHY	24.25		10/11/22
		#9 WINDOW ENVELOPES							
		ACCOUNT TOTAL					51.83	.00	51.83
258-5531-435.81-48 PROFESSIONAL SERVICES / CONTRACT SERVICES									
579		04/23	AP	09/30/22	0000000	IPS GROUP, INC	196.38		10/11/22
		GATEWAY FEES-SEPTEMBER'22				(2) PAYSTATIONS			
		ACCOUNT TOTAL					196.38	.00	196.38
		FUND TOTAL					248.21	.00	248.21
FUND 261 TOURISM & VISITORS									
261-2291-423.71-01 OFFICE SUPPLIES / OFFICE SUPPLIES									
539		04/23	AP	09/08/22	0141431	US BANK	79.91		10/07/22
		AMZN MKTP US*1F4Q16FK0				12 MONTH CALENDAR			
539		04/23	AP	08/23/22	0141431	US BANK	7.87		10/07/22
		WAL-MART #0753				AAA BATTERIES			
		ACCOUNT TOTAL					87.78	.00	87.78
261-2291-423.72-99 OPERATING SUPPLIES / POSTAGE									
539		04/23	AP	09/14/22	0141431	US BANK	11.18		10/07/22
		HY-VEE CEDAR FALLS 1052				SHIP PROFILE SHEETS TO			
		ACCOUNT TOTAL					11.18	.00	11.18
261-2291-423.73-53 OTHER SUPPLIES / WEBSITE/CRM									
547		04/23	AP	10/01/22	0000000	SPINUTECH WEB DESIGN, INC.	570.00		10/11/22
		OCT-NOV-DEC CMS LICENSE /				SUPPORT FEE			
		ACCOUNT TOTAL					570.00	.00	570.00
261-2291-423.73-55 OTHER SUPPLIES / MEDIA									
547		04/23	AP	10/05/22	0000000	AMPERAGE	1,000.00		10/11/22
		NOV GOOGLE/YOUTUBE/FACEBK				DIGITAL CAMPAIGNS			

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	TRANSACTION NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 261 TOURISM & VISITORS									
261-2291-423.73-55 OTHER SUPPLIES / MEDIA						continued			
547		04/23	AP	08/17/22	0000000	BIKEIOWA.COM	1,000.00		10/11/22
		ANNUAL AD PREMIER SPONS				SEPT 1 2022-AUG 31 2023			
		ACCOUNT TOTAL					2,000.00	.00	2,000.00
261-2291-423.73-57 OTHER SUPPLIES / GIFT SHOP									
547		04/23	AP	09/21/22	0000000	FITKIN POPCORN COMPANY	22.00		10/11/22
		1 CASE YELLOW POPCORN							
		ACCOUNT TOTAL					22.00	.00	22.00
261-2291-423.83-05 TRANSPORTATION&EDUCATION / TRAVEL (FOOD/MILEAGE/LOD)									
539		04/23	AP	09/16/22	0141431	US BANK	20.01		10/07/22
		SHELL OIL 57426645701				FUEL-UPPER MIDWEST CVB			
PROJECT#:		032424							
539		04/23	AP	09/16/22	0141431	US BANK	271.18		10/07/22
		HOLIDAY INN CHAMPAIGN				LODGING-UPPER MIDWEST			
PROJECT#:		032424							
539		04/23	AP	09/15/22	0141431	US BANK	6.78		10/07/22
		MCDONALD'S F13414				MEAL-UPPER MIDWEST CVB			
PROJECT#:		032424							
539		04/23	AP	09/15/22	0141431	US BANK	17.95		10/07/22
		TST* SEVEN SAINTS				MEAL-UPPER MIDWEST CVB			
PROJECT#:		032424							
539		04/23	AP	09/13/22	0141431	US BANK	7.91		10/07/22
		CULVERS OF MORTON				MEAL-UPPER MIDWEST CVB			
539		04/23	AP	09/07/22	0141431	US BANK	4.00		10/07/22
		PARKING RAMPS				PARKING ITIP MEETING IN			
539		04/23	AP	08/26/22	0141431	US BANK	195.78		10/07/22
		GRADUATE MINNEAPOLIS				LODGING & PARKING			
539		04/23	AP	08/26/22	0141431	US BANK	9.38		10/07/22
		CARIBOU COFFEE #1395				MEAL-SPEAKER AT ASSOC OF			
539		04/23	AP	08/25/22	0141431	US BANK	23.23		10/07/22
		STUB & HERBS				MEAL-SPEAKER AT ASSOC OF			
539		04/23	AP	08/25/22	0141431	US BANK	19.17		10/07/22
		TST* JOHN HARDYS BBQ - N				MEAL-SPEAKER AT ASSOC OF			
		ACCOUNT TOTAL					575.39	.00	575.39
261-2291-423.83-06 TRANSPORTATION&EDUCATION / EDUCATION									
539		04/23	AP	08/29/22	0141431	US BANK	275.00		10/07/22
		TEMPEST INTERACTIVE				UPPER MIDWEST CVB			
PROJECT#:		032424							
		ACCOUNT TOTAL					275.00	.00	275.00

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 261 TOURISM & VISITORS									
261-2291-423.85-23 UTILITIES / BUILDING MAINTENANCE									
547		04/23	AP	09/30/22	0000000	ARAMARK MAT SERVICE	7.80		10/11/22
						ACCOUNT TOTAL	7.80	.00	7.80
						FUND TOTAL	3,549.15	.00	3,549.15
FUND 262 SENIOR SERVICES & COMM CT									
262-1092-423.72-01 OPERATING SUPPLIES / OPERATING SUPPLIES									
536		04/23	AP	09/29/22	0000000	OFFICE EXPRESS OFFICE PRODUCT REGULAR & DECAF COFFEE	70.34		10/11/22
540		04/23	AP	09/02/22	0141431	US BANK AMAZON.COM*TY2119GY3 AMZN DECAF COFFEE (X2)	18.66		10/07/22
						ACCOUNT TOTAL	89.00	.00	89.00
262-1092-423.86-01 REPAIR & MAINTENANCE / REPAIR & MAINTENANCE									
536		04/23	AP	09/30/22	0000000	ARAMARK COMM. CENTER MAT SERVICE	7.80		10/11/22
						ACCOUNT TOTAL	7.80	.00	7.80
						FUND TOTAL	96.80	.00	96.80
FUND 291 POLICE FORFEITURE FUND									
FUND 292 POLICE RETIREMENT FUND									
FUND 293 FIRE RETIREMENT FUND									
FUND 294 LIBRARY RESERVE									
FUND 295 SOFTBALL PLAYER CAPITAL									
FUND 296 GOLF CAPITAL									
FUND 297 REC FACILITIES CAPITAL									
FUND 298 HEARST CAPITAL									
FUND 311 DEBT SERVICE FUND									
FUND 402 WASHINGTON PARK FUND									
FUND 404 FEMA									
404-1220-431.92-37 STRUCTURE IMPROV & BLDGS / BUYOUT DEMOLITIONS									
539		04/23	AP	09/15/22	0141431	US BANK IOWA TITLE GUARANTY TITLE INSURANCE-FP BUYOUT PROJECT#: 023198	700.00		10/07/22
						ACCOUNT TOTAL	700.00	.00	700.00
404-1220-431.95-86 BOND FUND PROJECTS / CENTER STREET STREETSCAPE									

GROUP NBR	PO NBR	ACCTG PER.	----TRANSACTION---- CD	DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 404 FEMA									
404-1220-431.95-86 BOND FUND PROJECTS / CENTER STREET STREETSCAPE							continued		
505		04/23	AP	09/29/22	0000000	OWEN CONTRACTING INC.	180,615.50		10/11/22
		3206-CENTER STREETSCAPE							
PROJECT#:		023206							
				ACCOUNT TOTAL			180,615.50	.00	180,615.50
				FUND TOTAL			181,315.50	.00	181,315.50
FUND 405 FLOOD RESERVE FUND									
405-1220-431.98-43 CAPITAL PROJECTS / CEDAR RIVER REC IMPROVE									
539		04/23	AP	09/15/22	0141431	US BANK	355.00		10/07/22
		IA DNR FEES AND PAYMENTS				CEDAR RIVER REC PROJ			
PROJECT#:		023290							
				ACCOUNT TOTAL			355.00	.00	355.00
				FUND TOTAL			355.00	.00	355.00
FUND 407 VISION IOWA PROJECT									
FUND 408 STREET IMPROVEMENT FUND									
FUND 410 CORONAVIRUS LOCAL RELIEF									
FUND 430 2004 TIF BOND									
430-1220-431.97-64 TIF BOND PROJECTS / VIKING ROAD EXTENSION									
505		04/23	AP	09/29/22	0000000	PETERSON CONTRACTORS	918,981.68		10/11/22
		3189-W VIKING IND.PARK V							
PROJECT#:		023189							
505		04/23	AP	09/19/22	0000000	BLACK HAWK CO.ABSTRACT	257.00		10/11/22
		3189-W VIKING IND.PARK				CONTINUATION			
PROJECT#:		023189							
568		04/23	AP	08/22/22	0000000	SNYDER & ASSOCIATES, INC.	40,355.46		10/11/22
		3189-W VIKING IND PARK				THROUGH 07/31/22			
PROJECT#:		023189							
				ACCOUNT TOTAL			959,594.14	.00	959,594.14
430-1220-431.97-82 TIF BOND PROJECTS / STREETSCAPE MAINTENANCE									
505		04/23	AP	09/30/22	0000000	OWEN CONTRACTING INC.	29,412.00		10/11/22
		3242-DWNTWN STREETSCP II							
PROJECT#:		023242							
				ACCOUNT TOTAL			29,412.00	.00	29,412.00
430-1220-431.97-90 TIF BOND PROJECTS / PINNACLE PRAIRIE IMPROVE									

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 430 2004 TIF BOND									
430-1220-431.97-90 TIF BOND PROJECTS / PINNACLE PRAIRIE IMPROVE							continued		
546		04/23	AP	09/22/22	0000000	SNYDER & ASSOCIATES, INC.	3,194.00		10/11/22
		3294-PINNACLE ROUNDABOUT				SERVICES THROUGH 08/31/22			
PROJECT#:		023294							
						ACCOUNT TOTAL	3,194.00	.00	3,194.00
430-1220-431.98-48 CAPITAL PROJECTS / HUDSON ROAD/RIDGEWAY INT									
546		04/23	AP	09/22/22	0000000	SNYDER & ASSOCIATES, INC.	4,812.50		10/11/22
		3294-HUDSON & RIDGEWAY				SERVICES THROUGH 08/31/22			
PROJECT#:		023294							
						ACCOUNT TOTAL	4,812.50	.00	4,812.50
						FUND TOTAL	997,012.64	.00	997,012.64
FUND 431 2014 BOND									
FUND 432 2003 BOND									
FUND 433 2001 TIF									
FUND 434 2000 BOND									
FUND 435 1999 TIF									
FUND 436 2012 BOND									
FUND 437 2018 BOND									
437-1220-431.98-97 CAPITAL PROJECTS / PEDESTRIAN BRIDGE									
535		03/23	AP	08/29/22	0141208	BUILDERS SELECT LLC	429.80		10/04/22
		CENTRAL PARK BRIDGE							
						ACCOUNT TOTAL	429.80	.00	429.80
						FUND TOTAL	429.80	.00	429.80
FUND 438 2020 BOND FUND									
438-1220-431.92-53 STRUCTURE IMPROV & BLDGS / WEST 1ST STREET RECONST									
506		03/23	AP	06/09/22	0141097	IOWA DEPT-TRANSPORTATION		150,000.00	09/29/22
		VOID CK-DIFFERENT AMOUNT				3118:W.1ST ST. RECONST.			
PROJECT#:		023118							
546		04/23	AP	06/09/22	0000000	IOWA DEPT-TRANSPORTATION	150,000.00		10/11/22
		3118-W.1ST ST. RECONST.				CITY SHARE-CONSTRUCTION			
PROJECT#:		023118							
						ACCOUNT TOTAL	150,000.00	150,000.00	.00
438-1220-431.95-27 BOND FUND PROJECTS / UNION ROAD TRAIL									
505		04/23	AP	09/27/22	0000000	LODGE CONSTRUCTION, INC	8,592.26		10/11/22

GROUP NBR	PO NBR	ACCTG PER.	----TRANSACTION---- CD	DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 438 2020 BOND FUND									
438-1220-431.95-27 BOND FUND PROJECTS / UNION ROAD TRAIL						continued			
		3217-UNION ROAD TRAIL							
PROJECT#:		023217							
		ACCOUNT TOTAL					8,592.26	.00	8,592.26
438-1220-431.98-23 CAPITAL PROJECTS / GREENHILL RD & S MAIN INT									
505		04/23	AP	10/04/22	0000000	PETERSON CONTRACTORS	9,803.34		10/11/22
		3228-GREENHILL/S MAIN INT							
PROJECT#:		023228							
505		04/23	AP	09/23/22	0000000	SHIVE-HATTERY	485.32		10/11/22
		3228-GREENHILL/S MAIN INT				SERVICES THRU 09/16/22			
PROJECT#:		023228							
		ACCOUNT TOTAL					10,288.66	.00	10,288.66
438-1220-431.98-83 CAPITAL PROJECTS / CEDAR HGTS DRIVE RECON									
505		04/23	AP	09/28/22	0000000	PETERSON CONTRACTORS	161,602.60		10/11/22
		3171-CEDAR HEIGHTS RECON.							
PROJECT#:		023171							
546		04/23	AP	09/26/22	0000000	TERRACON CONSULTANTS, INC.	854.61		10/11/22
		3171-CEDAR HEIGHTS RECON				SERVICES THROUGH 09/17/22			
PROJECT#:		023171							
568		04/23	AP	09/22/22	0000000	SNYDER & ASSOCIATES, INC.	20,794.63		10/11/22
		3171-CEDAR HEIGHTS RECON				THROUGH 08/31/22			
PROJECT#:		023171							
505		04/23	AP	09/12/22	0000000	TERRACON CONSULTANTS, INC.	1,758.69		10/11/22
		3171-CEDAR HEIGHTS RECON				SERVICES THRU 09/03/22			
PROJECT#:		023171							
546		04/23	AP	08/15/22	0000000	TERRACON CONSULTANTS, INC.	3,684.21		10/11/22
		3171-CEDAR HEIGTHS RECON				SERVICES THROUGH 08/06/22			
PROJECT#:		023171							
		ACCOUNT TOTAL					188,694.74	.00	188,694.74
438-1220-431.98-85 CAPITAL PROJECTS / LAKE STREET TRAIL									
505		04/23	AP	09/29/22	0000000	OWEN CONTRACTING INC.	29,636.50		10/11/22
		3247-LAKE STREET TRAIL							
PROJECT#:		023247							
546		04/23	AP	09/26/22	0000000	TERRACON CONSULTANTS, INC.	325.25		10/11/22
		3247-LAKE STREET TRAIL				SERVICES THROUGH 09/17/22			
PROJECT#:		023247							
		ACCOUNT TOTAL					29,961.75	.00	29,961.75
		FUND TOTAL					387,537.41	150,000.00	237,537.41

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 439 2022 BOND FUND									
439-1220-431.95-48 BOND FUND PROJECTS / BUNKER GEAR & PASS DEVICE									
539		04/23	AP	09/08/22	0141431	US BANK	2,093.38		10/07/22
		DOOLEY TACKABERRY				TURNOUT GEAR-HOODS			
						ACCOUNT TOTAL	2,093.38	.00	2,093.38
439-1220-431.98-97 CAPITAL PROJECTS / PEDESTRIAN BRIDGE									
535		03/23	AP	08/29/22	0141208	BUILDERS SELECT LLC		429.80	10/04/22
		ACCOUNT CORRECTION				CENTRAL PARK BRIDGE			
						ACCOUNT TOTAL	.00	429.80	429.80-
						FUND TOTAL	2,093.38	429.80	1,663.58
FUND 443 CAPITAL PROJECTS									
443-1220-431.98-88 CAPITAL PROJECTS / ASHWORTH DR TO HUDSON RD									
579		04/23	AP	09/26/22	0000000	AHLERS AND COONEY, P.C.	132.00		10/11/22
		3244-ASHWORTH DR. EXT				8/26/22			
PROJECT#:		023244							
						ACCOUNT TOTAL	132.00	.00	132.00
						FUND TOTAL	132.00	.00	132.00
FUND 472 PARKADE RENOVATION									
FUND 473 SIDEWALK ASSESSMENT									
FUND 483 ECONOMIC DEVELOPMENT									
FUND 484 ECONOMIC DEVELOPMENT LAND									
FUND 541 2018 STORM WATER BONDS									
FUND 544 2008 SEWER BONDS									
FUND 545 2006 SEWER BONDS									
545-6655-436.92-53 STRUCTURE IMPROV & BLDGS / WEST 1ST STREET RECONST									
506		03/23	AP	06/09/22	0141097	IOWA DEPT-TRANSPORTATION		1,285,257.50	09/29/22
		VOID CK-DIFFERENT AMOUNT				3118:W.1ST ST. RECONST.			
PROJECT#:		023118							
546		04/23	AP	06/09/22	0000000	IOWA DEPT-TRANSPORTATION	1,285,257.50		10/11/22
		3118-W.1ST ST. RECONST.				CITY SHARE-CONSTRUCTION			
PROJECT#:		023118							
						ACCOUNT TOTAL	1,285,257.50	1,285,257.50	.00
						FUND TOTAL	1,285,257.50	1,285,257.50	.00

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 546 SEWER IMPROVEMENT FUND									
FUND 547 SEWER RESERVE FUND									
FUND 548 1997 SEWER BOND FUND									
FUND 549 1992 SEWER BOND FUND									
FUND 550 2000 SEWER BOND FUND									
FUND 551 REFUSE FUND									
551-6675-436.71-01 OFFICE SUPPLIES / OFFICE SUPPLIES									
538		04/23	AP	09/20/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	56.82		10/11/22
		FOOT REST FOR DESK							
				ACCOUNT TOTAL			56.82	.00	56.82
551-6685-436.72-19 OPERATING SUPPLIES / PRINTING									
560		04/23	AP	09/07/22	0000000	STOREY KENWORTHY	119.00		10/11/22
		REQUEST FOR SERVICE PADS							
				ACCOUNT TOTAL			119.00	.00	119.00
551-6685-436.72-60 OPERATING SUPPLIES / SAFETY SUPPLIES									
548		04/23	AP	10/03/22	0000000	THOMPSON SHOES	175.00		10/11/22
		SAFETY SHOES-M RAVN				P.O. 56765			
				ACCOUNT TOTAL			175.00	.00	175.00
551-6685-436.73-01 OTHER SUPPLIES / REPAIR & MAINT. SUPPLIES									
560		04/23	AP	09/30/22	0000000	MENARDS-CEDAR FALLS	18.94		10/11/22
		CLEANING SUPPLIES							
				ACCOUNT TOTAL			18.94	.00	18.94
551-6685-436.73-05 OTHER SUPPLIES / OPERATING EQUIPMENT									
538		04/23	AP	09/19/22	0000000	SERVICEWEAR APPAREL, INC.	33.14		10/11/22
		UNIFORMS REFUSE							
538		04/23	AP	09/16/22	0000000	SERVICEWEAR APPAREL, INC.	631.54		10/11/22
		UNIFORMS REFUSE							
				ACCOUNT TOTAL			664.68	.00	664.68
551-6685-436.86-35 REPAIR & MAINTENANCE / SCALES									
539		04/23	AP	09/08/22	0141431	US BANK	89.04		10/07/22
		KELLY REGISTRATION SYSTE				SCALE RENEWAL FY23			
				ACCOUNT TOTAL			89.04	.00	89.04
551-6685-436.87-02 RENTALS / MATERIAL DISPOSAL/HANDLIN									

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 551 REFUSE FUND									
551-6685-436.87-02 RENTALS / MATERIAL DISPOSAL/HANDLIN						continued			
538		04/23	AP	09/21/22	0000000	MIDWEST ELECTRONIC RECOVERY	611.00		10/11/22
		ELECTRONIC RECYCLING							
560		04/23	AP	09/17/22	0000000	LIBERTY TIRE RECYCLING, LLC	1,694.73		10/11/22
		SCRAP TIRE RECYCLING							
538		04/23	AP	09/15/22	0000000	MIDWEST ELECTRONIC RECOVERY	639.10		10/11/22
		ELECTRONIC RECYCLING							
						ACCOUNT TOTAL	2,944.83	.00	2,944.83
						FUND TOTAL	4,068.31	.00	4,068.31
FUND 552 SEWER RENTAL FUND									
552-6655-436.73-13 OTHER SUPPLIES / SANITARY SEWERS									
538		04/23	AP	09/30/22	0000000	UTILITY EQUIPMENT COMPANY	2,166.90		10/11/22
		SANITARY SEWER MANHOLE				LIDS			
						ACCOUNT TOTAL	2,166.90	.00	2,166.90
552-6655-436.73-27 OTHER SUPPLIES / IOWA ONE CALL									
545		04/23	AP	09/19/22	0000000	FASTENAL COMPANY	32.07		10/11/22
		ONE CALL PAINT							
						ACCOUNT TOTAL	32.07	.00	32.07
552-6655-436.86-18 REPAIR & MAINTENANCE / SANITARY SEWER ROOT CONT.									
545		04/23	AP	09/30/22	0000000	REHAB SYSTEMS, INC.	20,172.50		10/11/22
		ROOT CONTROL							
						ACCOUNT TOTAL	20,172.50	.00	20,172.50
552-6655-436.92-18 STRUCTURE IMPROV & BLDGS / I/I REDUCTION PROJECT									
505		04/23	AP	09/26/22	0000000	WHKS	815.00		10/11/22
		3291-PARK DR LIFT STATION				08/13-09/09/22			
PROJECT#:		023291							
505		04/23	AP	08/25/22	0000000	WHKS	4,401.06		10/11/22
		3291-PARK DR LIFT STATION				07/01-08/12/22			
PROJECT#:		023291							
						ACCOUNT TOTAL	5,216.06	.00	5,216.06
552-6655-436.96-82 SEWER BOND PROJECTS / OAK PARK SEWER REPLACE									
568		04/23	AP	08/22/22	0000000	SNYDER & ASSOCIATES, INC.	6,969.00		10/11/22
		3182-OAK PARK SEWER REPL.				THROUGH 07/31/22			

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 552 SEWER RENTAL FUND									
552-6655-436.96-82 SEWER BOND PROJECTS / OAK PARK SEWER REPLACE						continued			
PROJECT#: 023182									
						ACCOUNT TOTAL	6,969.00	.00	6,969.00
552-6665-436.71-01 OFFICE SUPPLIES / OFFICE SUPPLIES									
545		04/23	AP	08/31/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	15.86		10/11/22
		CLIP BOARDS FOR WATER REC							
						ACCOUNT TOTAL	15.86	.00	15.86
552-6665-436.72-05 OPERATING SUPPLIES / GAS & OIL									
545		04/23	AP	09/23/22	0000000	NORTHLAND PRODUCTS CO.	1,346.95		10/11/22
		GEAR LUBE							
						ACCOUNT TOTAL	1,346.95	.00	1,346.95
552-6665-436.72-26 OPERATING SUPPLIES / TESTING & LAB									
545		04/23	AP	09/24/22	0000000	UNITED PARCEL SERVICE	17.50		10/11/22
		CARTRIDGE RETURN LABS							
						ACCOUNT TOTAL	17.50	.00	17.50
552-6665-436.72-60 OPERATING SUPPLIES / SAFETY SUPPLIES									
548		04/23	AP	10/03/22	0000000	THOMPSON SHOES	157.25		10/11/22
		SAFETY SHOES-M WILLIAMS				P.O. 56759			
						ACCOUNT TOTAL	157.25	.00	157.25
552-6665-436.72-68 OPERATING SUPPLIES / POLYMER									
545		04/23	AP	09/22/22	0000000	MSD ENVIRONMENTAL SERVICES, I	5,056.70		10/11/22
		POLYMER							
						ACCOUNT TOTAL	5,056.70	.00	5,056.70
552-6665-436.73-05 OTHER SUPPLIES / OPERATING EQUIPMENT									
545		04/23	AP	09/28/22	0000000	ELECTRIC PUMP	2,032.95		10/11/22
		FLOAT BALLS							
545		04/23	AP	09/27/22	0000000	JOHNSTONE SUPPLY OF WATERLOO	531.84		10/11/22
		FILTERS							
545		04/23	AP	09/27/22	0000000	ZIMMER & FRANCESCON, INC.	619.02		10/11/22
		GASKETS, SEAL							
545		04/23	AP	09/22/22	0000000	HUTCHESON ENGINEERING PRODUCT	6,069.60		10/11/22
		PUMP							

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 552 SEWER RENTAL FUND									
552-6665-436.73-05 OTHER SUPPLIES / OPERATING EQUIPMENT						continued			
538		04/23	AP	09/19/22	0000000	SERVICEWEAR APPAREL, INC.	166.74		10/11/22
		UNIFORMS WATER REC							
538		04/23	AP	09/16/22	0000000	SERVICEWEAR APPAREL, INC.	470.15		10/11/22
		UNIFORMS WATER REC							
				ACCOUNT TOTAL			9,890.30	.00	9,890.30
552-6665-436.73-06 OTHER SUPPLIES / BUILDING REPAIR									
545		04/23	AP	10/03/22	0000000	O'DONNELL ACE HARDWARE	4.39		10/11/22
		MORTAR MIX							
				ACCOUNT TOTAL			4.39	.00	4.39
552-6665-436.86-01 REPAIR & MAINTENANCE / REPAIR & MAINTENANCE									
545		04/23	AP	09/23/22	0000000	IOWA DIV-LABOR	40.00		10/11/22
		BOILER INSPECTION							
				ACCOUNT TOTAL			40.00	.00	40.00
552-6665-436.86-12 REPAIR & MAINTENANCE / TOWELS									
545		04/23	AP	09/30/22	0000000	ARAMARK	28.48		10/11/22
		RUGS							
				ACCOUNT TOTAL			28.48	.00	28.48
552-6665-436.86-29 REPAIR & MAINTENANCE / LAB & TESTING									
545		04/23	AP	09/30/22	0000000	TESTAMERICA LABORATORIES, INC	1,561.00		10/11/22
		LAB TESTS							
545		04/23	AP	09/29/22	0000000	TESTAMERICA LABORATORIES, INC	75.00		10/11/22
		LAB TESTS							
545		04/23	AP	09/23/22	0000000	TESTAMERICA LABORATORIES, INC	412.00		10/11/22
		LAB TESTS							
				ACCOUNT TOTAL			2,048.00	.00	2,048.00
552-6665-436.86-33 REPAIR & MAINTENANCE / SLUDGE REMOVAL									
545		04/23	AP	09/26/22	0000000	LONG CROP CONSULTING	1,920.00		10/11/22
		TISSUE TESTING							
				ACCOUNT TOTAL			1,920.00	.00	1,920.00
				FUND TOTAL			55,081.96	.00	55,081.96

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 553 2004 SEWER BOND									
FUND 555 STORM WATER UTILITY									
555-6630-432.72-01 OPERATING SUPPLIES / OPERATING SUPPLIES									
505		04/23	AP	09/27/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	.43		10/11/22
		G2 BOLD PEN REFILLS							
505		04/23	AP	09/19/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	2.35		10/11/22
		COPY PAPER							
						ACCOUNT TOTAL	2.78	.00	2.78
555-6630-432.83-06 TRANSPORTATION&EDUCATION / EDUCATION									
539		04/23	AP	08/26/22	0141431	US BANK	350.00		10/07/22
		ISU EVENT REGISTRATION				'22 IA WATER CONFERENCE			
						ACCOUNT TOTAL	350.00	.00	350.00
555-6630-432.92-01 STRUCTURE IMPROV & BLDGS / STRUCTURE IMPROV & BLDGS									
505		04/23	AP	09/28/22	0000000	BENTON'S SAND & GRAVEL, INC.	7,989.50		10/11/22
		3147-UNIVERSITY BIOCELLS							
PROJECT#:		023147							
						ACCOUNT TOTAL	7,989.50	.00	7,989.50
						FUND TOTAL	8,342.28	.00	8,342.28
FUND 570 SEWER ASSESSMENT									
FUND 606 DATA PROCESSING FUND									
606-1078-441.71-01 OFFICE SUPPLIES / OFFICE SUPPLIES									
505		04/23	AP	09/27/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	.26		10/11/22
		G2 BOLD PEN REFILLS							
505		04/23	AP	09/19/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	1.41		10/11/22
		COPY PAPER							
579		04/23	AP	09/08/22	0000000	STOREY KENWORTHY	4.85		10/11/22
		#9 WINDOW ENVELOPES							
579		04/23	AP	09/07/22	0000000	STOREY KENWORTHY	4.85		10/11/22
		#9 WINDOW ENVELOPES							
539		04/23	AP	08/30/22	0141431	US BANK	51.19		10/07/22
		AMAZON.COM*1V8315111 AMZN				COPY PAPER - ANGIE			
						ACCOUNT TOTAL	62.56	.00	62.56
606-1078-441.72-01 OPERATING SUPPLIES / OPERATING SUPPLIES									
579		04/23	AP	09/27/22	0000000	MENARDS-CEDAR FALLS	26.99		10/11/22
		MONITOR MOUNT-PLANNING							
529		04/23	AP	09/19/22	0000000	MENARDS-CEDAR FALLS	195.00		10/11/22
		CAT 6 - BULK CABLE							

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE / POST DT
FUND 606 DATA PROCESSING FUND									
606-1078-441.72-01 OPERATING SUPPLIES / OPERATING SUPPLIES						continued			
529		04/23	AP	09/12/22	0000000	CDW GOVERNMENT, INC.	601.98		10/11/22
		CH-SERVER ROOM - RACK							
				ACCOUNT TOTAL			823.97	.00	823.97
606-1078-441.81-40 PROFESSIONAL SERVICES / PUBLIC INFORMATION PROG.									
539		04/23	AP	08/30/22	0141431	US BANK	99.00		10/07/22
		STK*BIGSTOCKPHOTO.COM				ONLINE IMAGE SUBSCRIPTION			
				ACCOUNT TOTAL			99.00	.00	99.00
606-1078-441.82-10 COMMUNICATION / TELEPHONE HOLDING ACCOUNT									
529		04/23	AP	09/22/22	0000000	GORDON FLESCH COMPANY	1,083.25		10/11/22
		COPIERS/24629-MPS01				09/22/22-10/21/22			
				ACCOUNT TOTAL			1,083.25	.00	1,083.25
606-1078-441.86-01 REPAIR & MAINTENANCE / REPAIR & MAINTENANCE									
539		04/23	AP	08/24/22	0141431	US BANK	147.87		10/07/22
		THE UPS STORE 5617				PSS ZEBRA PRNTR SHIPPING			
				ACCOUNT TOTAL			147.87	.00	147.87
606-1078-441.86-10 REPAIR & MAINTENANCE / SOFTWARE SUPPORT AGREEMTS									
579		04/23	AP	10/03/22	0000000	OAKLAND CORPORATION	24,800.00		10/11/22
		LASERFICHE SUBSCRIPTION				RENEWAL			
529		04/23	AP	09/28/22	0000000	IP PATHWAYS, LLC	22,453.06		10/11/22
		SUPPORT FOR VMWARE							
				ACCOUNT TOTAL			47,253.06	.00	47,253.06
606-1078-441.93-01 EQUIPMENT / EQUIPMENT									
579		04/23	AP	09/30/22	0000000	IP PATHWAYS, LLC	4,820.34		10/11/22
		DR AS A SERVICE				MONTHLY BILLING SEPT.'22			
529		04/23	AP	09/22/22	0000000	IT SAVVY, LLC	1,589.00		10/11/22
		IPAD, KEYBOARD, STYLUS				RON			
539		04/23	AP	09/19/22	0141431	US BANK	315.00		10/07/22
		AMZN MKTP US*1M6SQ1AA0				DOCKING STN - RON GAINES			
539		04/23	AP	09/16/22	0141431	US BANK	985.00		10/07/22
		AMZN MKTP US*1F0WQ9I82				LAPTOP - RON GAINES			
539		04/23	AP	09/12/22	0141431	US BANK	197.94		10/07/22
		AMAZON.COM*1F1CS2180 AMZN				WIRELESS KEYBOARD/MOUSE			
539		04/23	AP	09/09/22	0141431	US BANK	247.84		10/07/22
		AMZN MKTP US*1F1F665X1				MONITOR ADPTR THUMB DRIVE			

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 606 DATA PROCESSING FUND									
606-1078-441.93-01 EQUIPMENT / EQUIPMENT							continued		
529		04/23	AP	08/23/22	0000000	CONFERENCE TECHNOLOGIES, INC	7,852.00		10/11/22
		COUNCIL CHAMBER AV SOLNS							
						ACCOUNT TOTAL	16,007.12	.00	16,007.12
						FUND TOTAL	65,476.83	.00	65,476.83
FUND 680 HEALTH INSURANCE FUND									
680-1902-457.51-01 INSURANCE / HEALTH INSURANCE									
548		04/23	AP	09/26/22	0000000	IA INDIV.HEALTH BENEFIT REINS	3,497.00		10/11/22
		HEALTH BENE.ASSESS.-FY18							
						ACCOUNT TOTAL	3,497.00	.00	3,497.00
						FUND TOTAL	3,497.00	.00	3,497.00
FUND 681 HEALTH SEVERANCE									
FUND 682 HEALTH INSURANCE - FIRE									
FUND 685 VEHICLE MAINTENANCE FUND									
685-6698-446.72-05 OPERATING SUPPLIES / GAS & OIL									
564		04/23	AP	10/05/22	0000000	HTP ENERGY	25,622.33		10/11/22
		GAS FOR 2200 TECHNOLOGY							
494		04/23	AP	09/23/22	0000000	NORTHLAND PRODUCTS CO.	342.30		10/11/22
		USED OIL COST							
						ACCOUNT TOTAL	25,964.63	.00	25,964.63
685-6698-446.72-16 OPERATING SUPPLIES / TOOLS									
564		04/23	AP	09/29/22	0000000	KAY, PHILIP R.	131.50		10/11/22
		TIRE REPAIR KITS FOR SHOP AND SERVICE TRUCK							
						ACCOUNT TOTAL	131.50	.00	131.50
685-6698-446.72-60 OPERATING SUPPLIES / SAFETY SUPPLIES									
548		04/23	AP	10/01/22	0000000	BROWN'S SHOE FIT	170.00		10/11/22
		SAFETY SHOES-B STEINLAGE P.O. 56766							
						ACCOUNT TOTAL	170.00	.00	170.00
685-6698-446.73-04 OTHER SUPPLIES / VEHICLE SUPPLIES									
564		04/23	AP	09/27/22	0000000	AIRGAS USA, LLC	236.73		10/11/22
		WELDING SUPPLIES							

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 685 VEHICLE MAINTENANCE FUND									
685-6698-446.73-04 OTHER SUPPLIES / VEHICLE SUPPLIES						continued			
564		04/23	AP	09/27/22	0000000	LAWSON PRODUCTS, INC.	1,582.64		10/11/22
		MISC SHOP SUPPLIES							
564		04/23	AP	09/26/22	0000000	LAWSON PRODUCTS, INC.	30.21		10/11/22
		YELLOW PAINT AND MISC SUPPLIES							
538		04/23	AP	09/19/22	0000000	SERVICEWEAR APPAREL, INC.	99.42		10/11/22
		UNIFORMS VEHICLE MAINT							
538		04/23	AP	09/16/22	0000000	SERVICEWEAR APPAREL, INC.	320.45		10/11/22
		UNIFORMS VEHICLE MAINT							
564		04/23	AP	09/16/22	0000000	AIRGAS USA, LLC	208.80		10/11/22
		WELDING SUPPLIES							
564		04/23	AP	09/15/22	0000000	FASTENAL COMPANY	37.18		10/11/22
		MISC NUTS AND BOLTS							
494		04/23	AP	08/03/22	0000000	LAWSON PRODUCTS, INC.	2,269.02		10/11/22
		MISC SHOP SUPPLIES							
						ACCOUNT TOTAL	4,784.45	.00	4,784.45
685-6698-446.86-04 REPAIR & MAINTENANCE / RADIO & COMMUNICATIONS									
564		04/23	AP	09/23/22	0000000	PRECISE MRM LLC	1,040.00		10/11/22
		MONTHLY CELL CHARGE AVL							
						ACCOUNT TOTAL	1,040.00	.00	1,040.00
685-6698-446.86-11 REPAIR & MAINTENANCE / VEHICLE MAINT. SOFTWARE									
564		04/23	AP	09/22/22	0000000	MITCHELL 1	1,788.00		10/11/22
		PRODEMAND ANNUAL COST							
						ACCOUNT TOTAL	1,788.00	.00	1,788.00
685-6698-446.86-12 REPAIR & MAINTENANCE / TOWELS									
564		04/23	AP	09/30/22	0000000	ARAMARK	82.45		10/11/22
		SHOP TOWELS							
						ACCOUNT TOTAL	82.45	.00	82.45
685-6698-446.86-15 REPAIR & MAINTENANCE / TIRE REPAIRS									
564		04/23	AP	09/27/22	0000000	D & D TIRE INC.	275.00		10/11/22
		#287 LF TIRE REPAIR							
						ACCOUNT TOTAL	275.00	.00	275.00
685-6698-446.87-08 RENTALS / WORK BY OUTSIDE AGENCY									
564		04/23	AP	09/30/22	0000000	PRO-LINER	1,050.00		10/11/22
		PD22 BEDLINER AND UNDER COAT							

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 685 VEHICLE MAINTENANCE FUND									
685-6698-446.87-08 RENTALS / WORK BY OUTSIDE AGENCY						continued			
564		04/23	AP	09/26/22	0000000	D & D TIRE INC.	380.00		10/11/22
		#384 RRI							
						ACCOUNT TOTAL	1,430.00	.00	1,430.00
685-6698-446.93-01 EQUIPMENT / EQUIPMENT									
564		04/23	AP	09/28/22	0000000	SIGNS BY TOMORROW	931.00		10/11/22
		PD22 DECALS							
564		04/23	AP	09/27/22	0000000	KELTEK INCORPORATED	17,114.50		10/11/22
		PD22 UPFITTING VM00642							
						ACCOUNT TOTAL	18,045.50	.00	18,045.50
						FUND TOTAL	53,711.53	.00	53,711.53
FUND 686 PAYROLL FUND									
FUND 687 WORKERS COMPENSATION FUND									
FUND 688 LTD INSURANCE FUND									
688-1902-457.51-03 INSURANCE / LTD INSURANCE									
529		04/23	AP	10/01/22	0000000	MADISON NATIONAL LIFE INS.CO.	3,893.97		10/11/22
		LTD-OCT'22							
						ACCOUNT TOTAL	3,893.97	.00	3,893.97
688-1902-457.51-04 INSURANCE / LIFE INSURANCE									
529		04/23	AP	10/01/22	0000000	MADISON NATIONAL LIFE INS.CO.	2,449.35		10/11/22
		GROUP LIFE AD/D-OCT'22							
						ACCOUNT TOTAL	2,449.35	.00	2,449.35
						FUND TOTAL	6,343.32	.00	6,343.32
FUND 689 LIABILITY INSURANCE FUND									
689-1902-457.51-05 INSURANCE / LIABILITY INSURANCE									
548		04/23	AP	10/03/22	0000000	STICKFORT ELECTRIC CO., INC.	3,105.00		10/11/22
		TOURISM CTR-REPLACE LIGHT POLE							
529		04/23	AP	09/26/22	0000000	AHLERS AND COONEY, P.C.	3,000.00		10/11/22
		LGL:SCOTT DIX V. CF 08/22-09/16/22							
PROJECT#:		012024							
						ACCOUNT TOTAL	6,105.00	.00	6,105.00

GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	TRANSACTION NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE POST DT
FUND 689 LIABILITY INSURANCE FUND									
						FUND TOTAL	6,105.00	.00	6,105.00
FUND 724 TRUST & AGENCY									
FUND 727 GREENWOOD CEMETERY P-CARE									
FUND 728 FAIRVIEW CEMETERY P-CARE									
FUND 729 HILLSIDE CEMETERY P-CARE									
FUND 790 FLOOD LEVY									
						GRAND TOTAL	8,471,002.63	7,152,348.65	1,318,653.98