



**AGENDA**  
**CITY OF CEDAR FALLS, IOWA**  
**CITY COUNCIL MEETING**  
**MONDAY, APRIL 04, 2022**  
**7:00 PM AT COMMUNITY CENTER, 528 MAIN STREET**

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**Call to Order by the Mayor**

**Roll Call**

**Approval of Minutes**

1. Regular Meeting of March 21, 2022.

**Agenda Revisions**

**Special Presentations**

2. Proclamation recognizing April 17-23, 2022 as City-Wide Cleanup Week.

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

**Special Order of Business**

3. Public hearing on the proposed plans, specifications, form of contract & estimate of cost for the College Hill Parking Lot Improvements Project.
  - a) Receive and file proof of publication of notice of hearing. (Notice published March 25, 2022)
  - b) Written communications filed with the City Clerk.
  - c) Staff comments.
  - d) Public comments.
  - e) Resolution approving and adopting the plans, specifications, form of contract & estimate of cost for the College Hill Parking Lot Improvements Project.
4. Public hearing on proposed amendments to Chapter 26, Zoning, of the Code of Ordinances relative to principal permitted uses in the M-1 Light Industrial District.
  - a) Receive and file proof of publication of notice of hearing. (Notice published March 25, 2022)
  - b) Written communications filed with the City Clerk.
  - c) Staff comments.
  - d) Public comments.
  - e) Pass an ordinance amending Chapter 26, Zoning, of the Code of Ordinances relative to principal permitted uses in the M-1 Light Industrial District, upon its first consideration.

**Old Business**

5. Pass Ordinance #3006, amending Chapter 26, Zoning, of the Code of Ordinances relative to increasing parking ratios for residential mixed-use and multi-unit buildings in the Downtown Character District to .75 parking spaces per bedroom, but not less than one parking space per unit, as recommended by the Planning & Zoning Commission, upon its third and final consideration.
6. Pass Ordinance #3007, amending Chapter 7, Building and Building Regulations, of the Code of Ordinances relative to discharge of stormwater or groundwater into the city sanitary sewer system, 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. Approve the following recommendations of the Mayor relative to the appointment of members to Boards and Commissions:
  - a) Jennifer Rasmussen, Board of Adjustment, term expiring 03/31/2027.
  - b) Ken Kagy, Board of Electrical Appeals, term expiring 12/31/2025.
  - c) Jeff Thompson, Board of Mechanical Appeals, term expiring 12/31/2025.
  - d) Glenn Behrends, Board of Plumbing Appeals, term expiring 12/31/2025.
  - e) Dan Berregaard, Board of Rental Housing Appeals, term expiring 05/01/2026.
  - f) Kim Kranz, Board of Rental Housing Appeals, term expiring 05/01/2026.
8. Receive and file the City Council Work Session minutes of March 21, 2022 relative to the following items:
  - a) Collaborative Opportunities with UNI.
  - b) Downtown Zoning Changes (continuation of previous discussion).
9. Receive and file a communication from the Civil Service Commission relative to the certified list for the position of Maintenance Worker.
10. Receive and file Departmental Monthly Reports of February 2022.
11. Approve the following applications for beer permits and liquor licenses:
  - a) Godfather's Pizza, 1621 West 1st Street, Class B beer - renewal.
  - b) Luxe Nail Bar, 5907 University Avenue, Class C liquor - renewal.
  - c) Mary Lou's Bar & Grill, 2719 Center Street, Class C liquor & outdoor service - renewal.
  - d) Bani's, 2128 College Street, Class E liquor – renewal.
  - e) Amvets, 1934 Irving Street, Class A liquor & outdoor service - temporary expansion of outdoor service area.

**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.)

12. Resolution approving and accepting four Permanent Public Access Easements, pursuant to the Third Amendment to Agreement for Private Development with River Place Properties, LC.
13. Resolution approving and authorizing the expenditure of funds for the purchase of dump truck chassis for the Public Works Department.
14. Resolution approving and authorizing the expenditure of funds for the purchase of a generator for the Water Reclamation Division.
15. Resolution receiving and filing the bids, and approving and accepting the low bid of Owen Contracting, Inc. in the amount of \$281,000.33, for the Lake Street Trail Project.
16. Resolution approving and accepting the contract and bond of Municipal Pipe Tool Company, LLC for the 2022 CDBG Sanitary Sewer Rehabilitation Project.
17. Resolution receiving and filing, and setting April 18, 2022 as the date of public hearing on the proposed plans, specifications, form of contract & estimate of cost for the West 27th Street Reconstruction Project.



- [18.](#) Resolution setting April 18, 2022 as the date of public hearing on the proposed conveyance of interest in certain real estate to Cedar Falls Community School District.

**Ordinances**

- [19.](#) Pass an ordinance amending Chapter 11, Housing, of the Code of Ordinances relative to the Housing Commission, upon its first consideration.
- [20.](#) Pass an ordinance amending Chapter 23, Traffic and Motor Vehicles, of the Code of Ordinances relative to prohibiting parking for the College Hill Farmers Market, upon its first consideration.

**Allow Bills and Claims**

- [21.](#) Allow Bills and Claims for April 4, 2022.

**City Council Referrals**

**City Council Updates**

**Staff Updates**

**Adjournment**

**CITY HALL  
CEDAR FALLS, IOWA, MARCH 21, 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 (via videoconference), Harding, Ganfield, Sires, Dunn. Absent: None.
- 53732 - It was moved by Harding and seconded by Schultz that the minutes of the Regular Meeting of March 7, 2022 be approved as presented and ordered of record. Motion carried unanimously.
- 53733 - The Mayor then asked if there were any agenda revisions. Administrative Supervisor Kerr noted a typo in item #17 on the Resolution Calendar referencing the bid amount and that it should read \$286,395.50, noting that the supporting materials in the meeting packet were correct.
- 53734 - Mayor Green read the following proclamations:
- Proclamation recognizing March 22, 2022 as March for Meals Day.
- Proclamation recognizing March 30, 2022 as Honey Bee Day. Mayor Green recorded a video talk with Iowa Honey Producers Association Director Edward St. John which will be posted to Social Media.
- 53735 - Craig Fairbanks, 405 Spruce Hills Drive, referenced a letter he provided to Council Members and the Mayor expressing concerns with the vinyl siding restriction being proposed downtown. He also commented on his approval of Accessory Dwelling Units.
- Rosemary Beach, 5018 Sage Road, referenced an article in the Visitor and Tourism Visitors Guide and would like to see the Seerley House saved and turned into a Museum Welcome Center.
- 52736 - It was moved by Harding and seconded by Ganfield that Ordinance #3006, amending Chapter 26, Zoning, of the Code of Ordinances relative to increasing parking ratios for residential mixed-use and multi-unit buildings in the Downtown Character District to .75 parking spaces per bedroom, but not less than one parking space per unit, as recommended by the Planning & Zoning Commission, be passed upon its second 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: Harding, Ganfield, Sires, Dunn, Schultz, deBuhr, Kruse. Nay: None. Motion carried.
- 53737 - It was moved by Harding and seconded by Ganfield that the following items on the Consent Calendar be received, filed and approved:

Approve the following recommendation of the Mayor relative to the appointment of members to Boards and Commissions:

a) Crystal Ford, Civil Service Commission, term expiring 04/04/2026.

Receive and file the City Council Committee of the Whole minutes of March 7, 2022 relative to the Infiltration & Inflow Reduction Program.

Receive and file the City Council Work Session minutes of March 7, 2022 relative to the Continuation of the Public Safety Model Discussion.

Receive and file a communication from the City Administrator relative to the appointment of an Acting Public Safety Director.

Approve the following applications for beer permits and liquor licenses:

a) Barn Happy, 11310 University Avenue, Class B native wine - renewal.

b) Social House, 2208 College Street, Class C liquor & outdoor service - renewal.

Motion carried unanimously.

53738 - It was moved by Harding and seconded by Ganfield to receive and file the City Council Committee of the Whole minutes of February 28, 2022 relative to Review of the FY2023 Budget. Following a question by Councilmember Sires, and response by Finance & Business Operations Director Rodenbeck, City Attorney Rogers called the question out of order. Motion then carried unanimously.

53739 - It was moved by Ganfield and seconded by Harding that the following resolutions be introduced and adopted:

Resolution #22,714, approving the recommendation of the Acting Public Safety Director and City Administrator relative to the appointment of an Acting Police Chief.

Resolution #22,715, approving and authorizing execution of a Master Service Agreement with IP Pathways, LLC, relative to providing data backup and disaster recovery services.

Resolution #22,716, approving and authorizing execution of a HOME Investment Partnership Program Consortium Cooperation Agreement with the City of Waterloo for FY2023-2025.

Resolution #22,717, approving and authorizing execution of three Service/Product Agreements relative to removal of hazardous trees on private property, and authorizing the City Operations & Maintenance Division Manager to approve individual property quotes.

Resolution #22,718, approving the Certificate of Completion and accepting the work of Peterson Contractors Inc. for the West 12th Street Reconstruction Project, and approving and authorizing the transfer of funds from the Street Construction Fund to the Street Improvement Fund.

Resolution #22,719, approving and accepting the contract and bond of Peterson Contractors, Inc. for the 2022 Street Construction Project.

Resolution #22,720, receiving and filing the bids, and approving and accepting the low bid of Municipal Pipe Tool Company, in the amount of \$ \$286,395.50, for the 2022 CDBG Sanitary Sewer Rehabilitation Project.

Resolution #22,721, approving and authorizing execution of a Revised Owner Purchase Agreement, and approving and accepting a Warranty Deed, in conjunction with the Olive Street Box Culvert Project.

Resolution #22,722, receiving and filing, and setting April 4, 2022 as the date of public hearing on the proposed plans, specifications, form of contract & estimate of cost for the College Hill Parking Lot Improvements Project.

Resolution #22,723, setting April 4, 2022 as the date of public hearing on a proposed amendment to Chapter 26, Zoning, of the Code of Ordinances relative to principal permitted uses in the M-1 Light Industrial District.

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: Harding, Ganfield, Sires, Dunn, Schultz, deBuhr, Kruse. Nay: None. Motion carried. The Mayor then declared Resolutions #22,714 through #22,723 duly passed and adopted.

- 53740 - It was moved by Harding and seconded by Ganfield that Ordinance #3007, amending Chapter 7, Building and Building Regulations, of the Code of Ordinances relative to discharge of stormwater or groundwater into the city sanitary sewer system, be passed upon its first consideration. Water Reclamation Manager Nyman gave a brief overview of the proposed amendment. Following a question by Councilmember Sires and response by Public Works Director Schrage, the Mayor put the question on the motion and upon call of the roll, the following named Councilmembers voted. Aye: Harding, Ganfield, Sires, Dunn, Schultz, deBuhr, Kruse. Nay: None. Motion carried.
- 53741 - It was moved by Dunn and seconded by Harding that the bills and claims of March 21, 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: Harding, Ganfield, Sires, Dunn, Schultz, deBuhr, Kruse. Nay: None. Motion carried.
- 53742 - It was moved by deBuhr and seconded by Harding to refer back to the Planning & Zoning Commission, Option 2 - adding an allowance for vinyl siding on any new single family dwelling, and Option 3 - adding an allowance for vinyl siding on any new residential buildings with less than 7 units, as presented in the downtown zoning presentation during the Council Work Session. Motion carried unanimously.

It was moved by Sires to have Community Security Solutions, LLC review the

PSO program. Following comments by City Administrator Gaines and City Attorney Rogers, Mayor Green ruled the referral out of order. Following comments by Councilmembers Sires, Schultz, Dunn and Harding, and Mayor Green, it was moved by Harding and seconded by Schultz to refer to the Committee of the Whole a discussion on the scope of a third party Public Safety review. Following questions and comments by Councilmembers Harding and Ganfield, and responses by Gaines and Mayor Green, Councilmember Harding withdrew the motion. It was then moved by Ganfield and seconded by Harding to refer to the Committee of the Whole a presentation of possible funding sources up to \$125,000 and at least three consulting firms, including Community Security Solutions, LLC, for the Public Safety review. Following comments and questions by Councilmembers Sires, Ganfield, Kruse, and deBuhr, and responses by Mayor Green, Rogers and Finance & Business Operations Director Rodenbeck, the motion carried 5-2, with Dunn and deBuhr voting Nay.

- 53743 - Councilmember Sires congratulated Kevin Tegtmeier on his retirement and thanked him for his 43 years of service with the Public Works Department.

Finance & Business Operations Director Rodenbeck responded to a question by Councilmember Sires regarding the Sartori Hospital interest.

Councilmember Ganfield recounted a discussion with UNI's President Nook about the Honors Cottage and challenges with costs to rehabilitate the building.

- 53744 - It was moved by Harding and seconded by Dunn to adjourn to Executive Session to discuss Property Acquisition per Iowa Code Section 21.5(1)(j) to discuss the purchase or sale of particular real estate only where premature disclosure could be reasonably expected to increase the price the governmental body would have to pay for that property or reduce the price the governmental body would receive for that property. Upon call of the roll, the following named Councilmembers voted. Aye: Harding, Ganfield, Sires, Dunn, Schultz, deBuhr, Kruse. Nay: None. Motion carried.

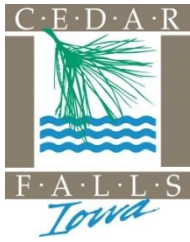
The City Council adjourned to Executive Session at 7:57 P.M.

Mayor Green reconvened the Council meeting at 8:44 P.M.

- 53745 - It was moved by Harding and seconded by Ganfield that the meeting be adjourned at 8:45 P.M. Motion carried unanimously.

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Kim Kerr, Administrative Supervisor



MAYOR ROBERT M. GREEN

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



## CITY-WIDE CLEANUP WEEK

APRIL 17-23, 2022

**WHEREAS**, the proper disposal of trash, appliances, furniture, hazardous materials, and electronics is vital to the safety, health and welfare of Cedar Falls residents; and

**WHEREAS**, pristine parks, sidewalks, roadways, waterways and public spaces are a great source of enjoyment and pride for residents and visitors alike; and

**WHEREAS**, the city's neighborhood associations and service clubs have successfully carried out past spring cleanup events around the city, and these efforts are most worthy of celebration and duplication city-wide; and

**WHEREAS**, the City of Cedar Falls, the city's neighborhood associations, Green Iowa AmeriCorps, and other environmentally-minded civic organizations are providing resources, education, and materials for a successful cleanup of Cedar Falls in the days surrounding Earth Day on April 22<sup>nd</sup>;

**NOW, THEREFORE**, I, Robert M. Green, Mayor of Cedar Falls, do hereby proclaim April 17-23, 2022 as **City-Wide Cleanup Week** throughout the city and encourage citizens to organize and participate in cleanup events and to take advantage of this opportunity to easily dispose of refuse, bulk items, electronics and hazardous materials for the betterment of our city and the environment.

Signed this 29<sup>th</sup> day of March, 2022.



Mayor Robert M. Green

**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](http://www.cedarfalls.com)

**MEMORANDUM**  
**Engineering Division**

**TO:** Honorable Mayor Robert M. Green and City Council

**FROM:** Benjamin Claypool, Civil Engineer II, PhD, EI

**DATE:** March 28, 2022

**SUBJECT:** College Hill Parking Lot Improvements Project  
City Project Number: PL-101-3264  
Public Hearing

This project includes the restoration of approximately 45,126 square feet of ACC parking lots in the College Hill district. This work includes removal of existing ACC surface and placement of new HMA. Spot repairs of the curb and gutter and remarking of the pavement markings.

The total estimated cost for the construction of this project is \$150,252.20. The project will be funded by the College Hill TIF District.

The Engineering Division of the Public Works Department recommends approving the Plans, Specifications, and Estimate of Costs and Quantities for the College Hill Parking Lot Improvements Project.

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



ENGINEER'S ESTIMATE					
2022 COLLEGE HILL PARKING LOT IMPROVEMENTS PROJECT					
PL-101-3264					
ITEM#	DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	TOTAL
1	HMA OVERLAY, (ST), BASE COURSE, 1.5", PG58-28S	TON	418.5	\$ 120.00	\$ 50,220.00
2	HMA OVERLAY, (ST), SURFACE COURSE, 1.5", PG58-28S	TON	454.6	\$ 120.00	\$ 54,552.00
3	FULL DEPTH PATCH, PCC, 7" DEPTH	SY	22.3	\$ 150.00	\$ 3,345.00
4	MILLING,3"	SY	4995.7	\$ 6.00	\$ 29,974.20
5	PAINTED PAVEMENT MARKINGS, SOLVENT/WATERBORNE	STA	26.8	\$ 45.00	\$ 1,206.00
6	PAINTED SYMBOLS & LEGENDS	EACH	5.0	\$ 75.00	\$ 375.00
7	TRAFFIC CONTROL	LS	1.0	\$ 1,000.00	\$ 1,000.00
8	WATTLES	LF	20.0	\$ 4.00	\$ 80.00
9	MOBILIZATION	LS	1.0	\$ 7,000.00	\$ 7,000.00
10	PCC CURB FLUME	LS	1	\$ 2,500.00	\$ 2,500.00
				TOTAL ESTIMATE	\$ 150,252.20



## 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:** March 28, 2022  
**SUBJECT:** Zoning Code Text Amendment – Allowing Daycare in M1 District (TA22-002)

#### Background

The City recently received an inquiry about expansion of an existing daycare center located on Nordic Drive in the M-1, Light Industrial District. After reviewing the zoning code to determine the standards and requirements for the proposed expansion, staff noticed that daycare uses are not an allowed use in the M1 Zoning District. The first item on the list of permitted uses in the M-1 District is “any use permitted in the C-3 District, except that no occupancy permit shall be issued for any dwelling, school, hospital, clinic, or other institution for human care, except where incidental to a permitted principal use. Apparently, when the daycare center was built in 1999 staff did not notice that “institutions for human care” were excluded from the M-1 Zoning District. Since the use was not allowed when it was established, it has no rights to continue or to expand. The owner’s representative has submitted a letter (attached) requesting consideration of a zoning code text amendment to allow daycare centers in the M-1 Light Industrial District.

#### Analysis

In the City’s 2019-2023 Consolidated Plan, which characterizes the current needs in the community for housing, safe and livable neighborhoods, public services, and opportunities for employment, daycare services were listed as a critical need in the community. Convenient access to quality daycare is essential to support the workforce in Cedar Falls and to attract new employers. The City’s industrial and technology parks are some of the largest employment centers in the community. Locating daycare centers in these areas helps to reduce travel times and provides more flexibility in work schedules.

Zoning ordinances, particularly older zoning ordinances, often focus on the separation of land uses; in this case separating industrial uses from certain other uses. However, staff finds there are a number of reasons that allowing daycare uses in the light industrial zone is unlikely to be a concern.

- The M-1 Zone already allows a wide variety of uses, including office, retail, fitness centers, restaurants and other uses where people may often bring their children.
- The M-1 Zone is a light industrial zone intended for clean industry. The ordinance states that “no use shall be permitted or maintained which by reason of its nature or manner of operation is or may become hazardous, noxious or offensive owing to the emission of odor, dust, smoke,

cinders, gas, fumes, noise, vibrations, refuse matter or water-carried waste.” These standards will help prevent nuisances and unhealthy conditions for daycare centers.

- Market factors will discourage daycare uses from locating where clients are unlikely to bring their children.
- Daycare uses are already allowed if accessory to an existing business in the M1 District. In other words, any industrial use could have an in-house daycare.
- A daycare has been operating on this particular site in the M-1 District since 1999 without any issues of concern.

### Discussion of Solutions

In order to allow daycare centers in the M-1 Zone, the zoning ordinance must be amended. Reasonable standards must be established for a daycare center within the context of the M-1 Zone. Staff recommends that the following changes be considered:

- *Amend paragraph (1)a. within Section 26-173, M-1 Light Industrial District, as follows (underlined text is new language. Other language remains the same):*

(1) *Principal permitted uses.* Permitted principal uses are as follows:

- a. Any use permitted in the C-3 district, except that no occupancy permit shall be issued for any dwelling, school, hospital, clinic or other institution for human care, except:
  - i. Where said use is incidental to a permitted principal use; and
  - ii. Daycare uses, with the following standards: Outdoor play areas shall not be located in the required front yard and must be set back a minimum of 10 feet from side and rear lot lines and fenced and screened from abutting properties with trees or shrubbery to achieve a continuous visual screen that at maturity reaches a minimum 6 feet in height.

- *Add a row for daycare uses to the dimensional standards table in paragraph (5) of Section 26-173, as follows:*

Use	Front Yard depth	Side yard width	Rear yard depth
<u>Daycare</u>	<u>25 feet</u>	<u>10 feet</u>	<u>25 feet</u>

### RECOMMENDATION:

At the Planning and Zoning Commission meeting on March 9, 2022, the Commission voted unanimously to recommend approval of amendments to allow daycare uses in the M-1 Light Industrial Zone as outlined in the staff report above.

### PLANNING & ZONING COMMISSION DISCUSSION

Discussion 2/23/2022      The next item for consideration by the Commission was a zoning text amendment for daycare uses in the M-1, Light Industrial District. Chair Leeper introduced the item and Ms. Howard provided background information. She explained that the City received an inquiry regarding an expansion of a daycare that is currently in the M-1 district. After

investigation it was found that the building was built in 1999 and the daycare was established sometime thereafter. However, daycare uses are not an allowed use in that district and the daycare has asked if there is a way to allow them to expand and continue to operate in that location. Upon analysis, there is a critical need for daycare services in the community. The City's Industrial and Technology Parks are large centers of employment and there is a need for daycare services in locations convenient to employment centers.

Ms. Howard discussed a number of reasons that allowing daycare uses may not be problematic. She noted that the zone is intended for light industrial uses, not heavy industrial, so does not allow uses that create lots of dust, odors, noise, and other nuisances that might be found in a heavy industrial area. In addition to light industrial, the zone allows a variety of general commercial uses, such as restaurants and offices where people are likely to bring their children. She also noted that daycare uses are currently allowed if they are an accessory to an existing business, i.e. an in-house daycare. The specific daycare being discussed serves as a case study and she noted that there have been no issues of concern over the 20 years it has been operating.

Ms. Howard discussed some suggested standards to consider with regard to changing the ordinance. Staff recommends discussion of the petition to allow daycare uses in the M-1 District and setting a public hearing date for March 9 for formal consideration and recommendation to Council.

Ms. Lynch stated that there is a need for daycare in the Cedar Valley and would like there to be more options for families in the area. Ms. Moser agreed.

Ms. Lynch made a motion to set a public hearing. Ms. Moser seconded the motion. The motion was approved unanimously with 6 ayes (Crisman, Hartley, Leeper, Lynch, Moser and Saul), and 0 nays.

Public Hearing  
3/9/2022

Ms. Howard introduced the item to consider amendments to the zoning code to allow daycare uses in the M-1 Light Industrial Zone. Mr. Leeper opened the public hearing. No comments were received at the public hearing. Ms. Lynch made a motion to approve the amendments. Ms. Saul seconded the motion. Ms. Lynch noted the need in the community for daycare services and stated her support for expanding opportunities. Ms. Moser agreed that daycare services are needed close to employment centers. As there was no more discussion, Mr. Leeper asked for a roll call vote. On a unanimous vote, the Commission recommended approval of the zoning code amendments to allow daycare uses in the M-1 Light Industrial Zone.

February 8, 2022



architecture & planning

Karen Howard  
Planning & Community Services Manager  
City of Cedar Falls  
220 Clay Street  
Cedar Falls, Iowa 50613

Re: Community United Child Care Center  
Nordic Drive, Cedar Falls

Dear Karen,

Based on our recent conversations we would like to request that the city consider amending the current M-1 zoning district to allow for child care facilities. As we have discussed the existing Community United Care Center (CUCCC) on Nordic Drive has been a child care facility in the M-1 District for many decades as the building was used by Head Start providing child care at this location prior to CUCCC using it for their current child care facility. CUCCC would like to expand their building and services at this location to help address the shortage child care in our area.

CUCCC has just received grant funding from the state to expand their operations at this location. The grant does require some significant progress be made by June 30, 2022 so we would like to move forward as quickly as possible with an amendment if it is going to happen so that CUCCC can take advantage of the state grants.

Amending the M-1 district to allow child care facilities will be a benefit to all the typical uses that occur in this district. Having child care available in this zoning is a convenience for workers and saves time and travel by having child care near by peoples place of work. The child care function in this zoning will not be a detriment to any of the other allowed uses in the M-1 zoning. Child care providers being located in the M-1 zoning is a distinct amenity to all in the area by providing a much needed service.

This would also give large employers in the area the ability to provide separate on site child care facilities that could also benefit their employee recruitment and retention.

We feel this a beneficial amendment to the M-1 zoning district and request that you move forward with the processes necessary to amend the M-1 zoning district to allow child care as an approved use.

Sincerely,  
Align Architecture & Planning, PLC

Jacob Bauer, AIA

**ORDINANCE NO. \_\_\_\_\_**

**AN ORDINANCE AMENDING SECTION 26-173, M-1 LIGHT INDUSTRIAL DISTRICT, OF DIVISION 2, SPECIFIC DISTRICTS, OF ARTICLE III, DISTRICTS AND DISTRICT REGULATIONS, OF CHAPTER 26, ZONING, OF THE CODE OF ORDINANCES OF THE CITY OF CEDAR FALLS, IOWA TO ALLOW DAYCARE USES IN THE M-1 LIGHT INDUSTRIAL ZONE AND TO ESTABLISH DEVELOPMENT STANDARDS FOR SAID USES.**

WHEREAS, convenient access to quality daycare is essential to support the workforce in Cedar Falls and to attract new employers; and

WHEREAS, the City’s industrial and technology parks are some of the largest employment centers in the community and locating daycare centers in these areas helps to reduce travel times and provides more flexibility in work schedules; and

WHEREAS, the Cedar Falls Planning and Zoning Commission reviewed and determined that allowing daycare uses in the M-1 Light Industrial District is in the best interests of the community and unanimously recommended approval, subject to certain development standards; and

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

*Section 1: Paragraph (1)a. within Section 26-173, M-1 Light Industrial District, within Division 2, Specific Districts, of Article III, Districts and District Regulations, of Chapter 26, Zoning, of the Code of Ordinances of the City of Cedar Falls, Iowa, is hereby deleted and the following enacted in lieu thereof:*

- (1) *Principal permitted uses.* Permitted principal uses are as follows:
  - a. Any use permitted in the C-3 district, except that no occupancy permit shall be issued for any dwelling, school, hospital, clinic or other institution for human care, except:
    - i. Where said use is incidental to a permitted principal use; and
    - ii. Daycare uses, with the following standards: Outdoor play areas shall not be located in the required front yard and must be set back a minimum of 10 feet from side and rear lot lines and fenced and screened from abutting properties with trees or shrubbery to achieve a continuous visual screen that at maturity reaches a minimum 6 feet in height.

*Section 2: The dimensional standards table in paragraph (5) of Section 26-173, is hereby amended by adding a row for daycare uses as follows:*

Use	Front Yard depth	Side yard width	Rear yard depth
Daycare	25 feet	10 feet	25 feet

INTRODUCED: \_\_\_\_\_  
PASSED 1<sup>ST</sup> CONSIDERATION: \_\_\_\_\_  
PASSED 2<sup>ND</sup> CONSIDERATION: \_\_\_\_\_  
PASSED 3<sup>RD</sup> CONSIDERATION: \_\_\_\_\_  
ADOPTED: \_\_\_\_\_

\_\_\_\_\_  
Robert M. Green, Mayor

ATTEST:

\_\_\_\_\_  
Jacqueline Danielsen, MMC, City Clerk





## 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:** March 14, 2022

**SUBJECT:** Petition from City Council to Amend parking requirements in the Downtown Character District (TA22-001)

At your work session on Tuesday, January 18<sup>th</sup>, the City Council directed staff to forward to the Planning and Zoning Commission a petition to consider amending certain parking requirements in the recently adopted Downtown Character District code.

#### **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. After discussion at three readings, the new code was adopted on November 1, 2021.

#### **Council Petition # 1 – Eliminate shared parking requirements**

Under the new code, for a new development project that contains apartments or upper floor commercial uses, a certain number of shared parking spaces must be provided. These spaces must be made available for the public to use during at least 12 hours a day. For the remaining hours these spaces may be reserved for the tenants of the building. The property owner has the flexibility to determine the hours when they are available for shared use and can sign them accordingly. The shared parking requirement is one tool to provide some additional parking spaces for public use to alleviate parking congestion downtown during peak times when the spaces might otherwise be sitting vacant.

However, a number of concerns have been expressed 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 expressed concerns that the potential downsides outweigh the potential benefits of this requirement and requested that the Commission consider eliminating the shared parking requirements from the zoning code. They note that property owners would still have the option to voluntarily share their parking with the public.

The petition was introduced to the Planning and Zoning Commission at their meeting on January 26, 2022. At a public hearing on February 9<sup>th</sup>, the Commission discussed the Council's petition; and, on a 3-4 vote, disapproved the City Council's petition to delete the shared parking requirements.

### **Council Petition # 2 – Increase the amount of parking required for residential uses in multi-unit and mixed use buildings**

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.

The petition was introduced to the Planning and Zoning Commission at their meeting on January 26, 2022 and a public hearing was set. At a public hearing on February 9<sup>th</sup>, a motion to approve the Council's petition failed for a lack of a second to the motion, and therefore is 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. There was general agreement that there should be no less than 1 space per unit to ensure that buildings containing all or a majority of units that are studios or one-bedrooms provide at least one parking space per unit. A majority were supportive of an increase to 0.75 spaces per bedroom.

**PLANNING AND ZONING COMMISSION ACTIONS:** In summary, at their February 9<sup>th</sup> meeting, Planning and Zoning Commission held public hearings regarding the aforementioned Council petitions to amend the zoning ordinance. At the close of each hearing, the Commission took the following actions:

**Hearing #1:** On Council's petition to eliminate all shared parking requirements within City Code Section 26-196. Character District Parking, including all references to locational standards and time of day standards for shared parking, the Commission disapproved the petition on a 3-4 vote.

**Hearing #2:** On Council's petition to increase the parking requirement for residential uses in mixed-use and multi-unit buildings to 1 space per bedroom within City Code Section 26-196. Character District Parking, the Commission disapproved the petition. The petition failed for a lack of a second to the motion.

**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.

## PREVIOUS CITY COUNCIL ACTIONS:

At the March 7 City Council meeting, Council held public hearings on the recommendations from the Planning and Zoning Commission. Subsequent to the public hearings, the Council:

1. Disapproved an ordinance deleting all requirements and standards related to shared parking within the Downtown Character District regulations. Since this item failed on its first reading, no further action is required of Council.
2. Disapproved an ordinance to increase the parking requirement for residential uses in mixed-use and multi-unit buildings to one parking space per bedroom within the Downtown Character District. Since this item failed on its first reading, no further action is required of Council.
3. **Approved an ordinance 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. The second reading of this ordinance is scheduled for the March 21 formal meeting.**

## PLANNING & ZONING COMMISSION DISCUSSION AND HEARINGS

### **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 9<sup>th</sup> 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 not 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 should 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)**



**ORDINANCE NO. 3006****AN ORDINANCE TO INCREASE THE PARKING REQUIREMENTS FOR RESIDENTIAL USES IN MIXED-USE AND MULTI-UNIT BUILDINGS WITHIN THE DOWNTOWN CHARACTER DISTRICT (CD-DT) TO 0.75 SPACES PER BEDROOM, BUT NOT LESS THAN ONE PARKING SPACE PER DWELLING UNIT, BY AMENDING CERTAIN SUBSECTIONS AND PARAGRAPHS WITHIN SECTION 26-196, CHARACTER DISTRICT PARKING AND LOADING, WITHIN DIVISION 2, SPECIFIC DISTRICTS, OF ARTICLE III, DISTRICTS AND DISTRICT REGULATIONS, OF CHAPTER 26, ZONING, OF THE CODE OF ORDINANCES OF THE CITY OF CEDAR FALLS, IOWA**

WHEREAS, the Downtown Character District zoning regulations, adopted November 1, 2021, establish parking requirements for residential uses; and

WHEREAS, the City Council has petitioned the Cedar Falls Planning and Zoning Commission to consider increasing the parking requirement for residential uses in mixed-use and multi-unit buildings to one space per bedroom; and

WHEREAS, at the public hearing at the Planning and Zoning Commission meeting on February 9, 2022, the motion to approve the Council's petition failed due to lack of a second to the motion and therefore is considered disapproved by the Planning and Zoning Commission; and

WHEREAS, as an alternative to City Council's petition, the Planning and Zoning Commission recommended approval of an amendment to increase the parking requirement for residential uses in mixed-use and multi-unit buildings in the Downtown Character District to 0.75 spaces per bedroom, but not less than 1 space per dwelling unit.

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

*Section 1: Subparagraph b. of Paragraph 3, Minimum Reserved Parking, of Subsection C, General Urban, General Urban 2, and Storefront Frontages – Minimum Parking Requirements, of Section 26-196, Character District Parking and Loading, within Division 2, Specific Districts, of Article III, Districts and District Regulations, 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:*

- b. Residential uses in mixed-use or multi-unit buildings: 0.75 spaces per bedroom, but not less than 1 space per dwelling unit. Note: studio/efficiency units shall count as one bedroom for the purpose of calculating required parking.

*Section 2: Subparagraph a. of paragraph 1, Minimum Reserved Parking, of Subsection D, Neighborhood Frontages – Minimum Parking Requirements, of Section 26-196, Character District Parking and Loading, within Division 2, Specific Districts, of Article III, Districts and District Regulations, 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:*

a. Residential uses in multi-unit buildings: 0.75 spaces per bedroom, but not less than 1 space per dwelling unit. Note: studio/efficiency units shall count as one bedroom for the purpose of calculating required parking.

INTRODUCED: \_\_\_\_\_ March 7, 2022 \_\_\_\_\_

PASSED 1<sup>ST</sup> CONSIDERATION: \_\_\_\_\_ March 7, 2022 \_\_\_\_\_

PASSED 2<sup>ND</sup> CONSIDERATION: \_\_\_\_\_ March 21, 2022 \_\_\_\_\_

PASSED 3<sup>RD</sup> CONSIDERATION: \_\_\_\_\_

ADOPTED: \_\_\_\_\_

\_\_\_\_\_  
Robert M. Green, Mayor

ATTEST:

\_\_\_\_\_  
Jacqueline Danielsen, MMC, City Clerk



## DEPARTMENT OF PUBLIC WORKS

City of Cedar Falls  
 220 Clay Street  
 Cedar Falls, Iowa 50613  
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**MEMORANDUM**  
*Engineering Division*

**TO:** Honorable Mayor Robert M. Green and City Council

**FROM:** Luke Andreasen, PE, Principal Engineer

**DATE:** March 11, 2022

**SUBJECT:** Updates to City Code Section 7-196  
 Discharge of Stormwater or Groundwater into City Sanitary Sewer System

The current City Code exempts pre-1969 buildings from the requirement to remove all stormwater and groundwater connections to the sanitary sewer. As explained at the March 7, 2022 Committee of the Whole Meeting, multiple overflows at the Park Drive Lift Station during wet weather has made it necessary to investigate all private connections to the sanitary sewer in the North Cedar Heights area. This will require changing the current City Code.

The Engineering Division of the Public Works Department is proposing changes to City Code Section 7-196, *Discharge of Stormwater or Groundwater into City Sanitary Sewer System*, to no longer exempt pre-1969 buildings from being required to disconnect stormwater and groundwater connections. Please see the attached redline changes for City Code Section 7-196, *Discharge of Stormwater or Groundwater into City Sanitary Sewer System*.

This change to City Code will allow the Engineering Division to address the Infiltration and Inflow problem in the Park Drive Lift Station Sewershed as part of the upcoming 5-year road reconstruction project in the North Cedar Heights area.

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

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

ORDINANCE NO. \_\_\_\_\_

AN ORDINANCE AMENDING SECTION 7-196, DISCHARGE OF STORMWATER OR GROUNDWATER INTO CITY SANITARY SEWER SYSTEM, OF DIVISION 2, PROHIBITION ON DISCHARGE OF STORMWATER AND GROUNDWATER TO CITY SANITARY SEWER, IN ARTICLE V, PLUMBING REGULATIONS, OF CHAPTER 7, BUILDINGS AND BUILDING REGULATIONS, OF THE CODE OF ORDINANCES OF THE CITY OF CEDAR FALLS, IOWA, BY ELIMINATING THE EXCEPTION TO PROHIBITION OF DISCHARGE OF STORMWATER INTO THE SANITARY SEWER SYSTEM FOR DWELLINGS, BUILDINGS OR OTHER STRUCTURES FOR WHICH BUILDING PERMITS WERE ISSUED ON FEBRUARY 10, 1969, OR EARLIER.

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

Section 7-196, Discharge of Stormwater or Groundwater into City Sanitary Sewer System, of Division 2, Prohibition on Discharge of Stormwater and Groundwater to City Sanitary Sewer, of Article V, Plumbing Regulations, of Chapter 7, Buildings and Building Regulations, of the Code of Ordinances of the City of Cedar Falls, Iowa, is hereby repealed in its entirety and a new Section 7-196, Discharge of Stormwater or Groundwater into City Sanitary Sewer System is enacted in lieu thereof, as follows:

**Sec. 7-196. - Discharge of stormwater or groundwater into city sanitary sewer system**

The discharge of water from any roof, surface, ground, sump pump, footing tile or from any other natural precipitation source into the city sanitary sewer collection system has the potential to cause damage to property and to overload the city wastewater collection, conveyance and treatment system. Such discharge may result in the backup of sewage into living quarters of residential dwellings, or into other buildings or structures in the city, thereby creating a potential public health hazard, and potentially exceeding the capacity of the city wastewater collection, conveyance and treatment system. Therefore, the city finds that it is essential to the maintenance of public health, safety, comfort, and welfare, to the minimization of damage to property, and to the maintenance of the functioning and capacity of the city wastewater collection, conveyance and treatment system, that the provisions of this division be strictly enforced. ~~Since Ordinance No. 1275 was adopted on February 10, 1969, this Code has prohibited the discharge of stormwater from any dwelling, building or other structure into the city's sanitary sewer system. The provisions of this division shall apply to every dwelling, building or other structure in the city, for the construction of which a city building permit was issued after February 10, 1969.~~

INTRODUCED: \_\_\_\_\_

PASSED 1<sup>ST</sup> CONSIDERATION: \_\_\_\_\_

PASSED 2<sup>ND</sup> CONSIDERATION: \_\_\_\_\_

PASSED 3<sup>RD</sup> CONSIDERATION: \_\_\_\_\_

ADOPTED: \_\_\_\_\_

\_\_\_\_\_

Robert M. Green, Mayor

ATTEST:

\_\_\_\_\_

Jacqueline Danielsen, MMC, City Clerk

**ORDINANCE NO. 3007**

**AN ORDINANCE AMENDING SECTION 7-196, DISCHARGE OF STORMWATER OR GROUNDWATER INTO CITY SANITARY SEWER SYSTEM, OF DIVISION 2, PROHIBITION ON DISCHARGE OF STORMWATER AND GROUNDWATER TO CITY SANITARY SEWER, IN ARTICLE V, PLUMBING REGULATIONS, OF CHAPTER 7, BUILDINGS AND BUILDING REGULATIONS, OF THE CODE OF ORDINANCES OF THE CITY OF CEDAR FALLS, IOWA, BY ELIMINATING THE EXCEPTION TO PROHIBITION OF DISCHARGE OF STORMWATER INTO THE SANITARY SEWER SYSTEM FOR DWELLINGS, BUILDINGS OR OTHER STRUCTURES FOR WHICH BUILDING PERMITS WERE ISSUED ON FEBRUARY 10, 1969, OR EARLIER.**

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

Section 7-196, Discharge of Stormwater or Groundwater into City Sanitary Sewer System, of Division 2, Prohibition on Discharge of Stormwater and Groundwater to City Sanitary Sewer, of Article V, Plumbing Regulations, of Chapter 7, Buildings and Building Regulations, of the Code of Ordinances of the City of Cedar Falls, Iowa, is hereby repealed in its entirety and a new Section 7-196, Discharge of Stormwater or Groundwater into City Sanitary Sewer System is enacted in lieu thereof, as follows:

**Sec. 7-196. - Discharge of stormwater or groundwater into city sanitary sewer system**

The discharge of water from any roof, surface, ground, sump pump, footing tile or from any other natural precipitation source into the city sanitary sewer collection system has the potential to cause damage to property and to overload the city wastewater collection, conveyance and treatment system. Such discharge may result in the backup of sewage into living quarters of residential dwellings, or into other buildings or structures in the city, thereby creating a potential public health hazard, and potentially exceeding the capacity of the city wastewater collection, conveyance and treatment system. Therefore, the city finds that it is essential to the maintenance of public health, safety, comfort, and welfare, to the minimization of damage to property, and to the maintenance of the functioning and capacity of the city wastewater collection, conveyance and treatment system, that the provisions of this division be strictly enforced.

INTRODUCED: \_\_\_\_\_ March 21, 2022

PASSED 1<sup>ST</sup> CONSIDERATION: \_\_\_\_\_ March 21, 2022

PASSED 2<sup>ND</sup> CONSIDERATION: \_\_\_\_\_

PASSED 3<sup>RD</sup> CONSIDERATION: \_\_\_\_\_

ADOPTED: \_\_\_\_\_

**ATTEST:**

\_\_\_\_\_  
Robert M. Green, Mayor

\_\_\_\_\_  
Jacqueline Danielsen, MMC, City Clerk



**MAYOR ROBERT M. GREEN**

**CITY OF CEDAR FALLS, IOWA**

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**FROM:** Mayor Robert M. Green

**TO:** City Council

**DATE:** March 29, 2022

**SUBJECT:** Board of Adjustment Reappointment

**REF:** Code of Ordinances, City of Cedar Falls §26-59: Board of Adjustment

1. In accordance with the candidacy and qualification requirements of reference (a), I hereby nominate Ms. Jennifer Rasmussen for re-appointment to the Board of Adjustment for a five-year term ending on March 31, 2027.
2. Staff has recommended re-appointment of this member. In keeping with council custom, an interview will not be scheduled for this re-appointment. Please contact me with any questions or concerns.

Xc: City Administrator  
Director, Community Development

###





**MAYOR ROBERT M. GREEN**

**CITY OF CEDAR FALLS, IOWA**

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**TO:** City Council  
**FROM:** Mayor Robert M. Green *Robert Green*  
**DATE:** March 29, 2022  
**SUBJECT:** Nomination for Reappointments to the Board of Electrical Appeals  
**REF:** (a) Code of Ordinances, City of Cedar Falls §7-50(g)

1. In accordance with the requirements of reference (a), I hereby nominate the following board member for re-appointment to an additional four-year term on the Board of Electrical Appeals:

- Mr. Ken Kagy – Term ends 12/31/2025

2. Staff has recommended re-appointment; please contact me if you have any questions about this candidate.

Xc: City Administrator  
Director, Public Works

###



**MAYOR ROBERT M. GREEN**

**CITY OF CEDAR FALLS, IOWA**

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**TO:** City Council  
**FROM:** Mayor Robert M. Green *Robert Green*  
**DATE:** March 29, 2022  
**SUBJECT:** Reappointment to the Board of Mechanical Appeals  
**REF:** (a) Code of Ordinances, City of Cedar Falls §7-414(11)

1. In accordance with the requirements of reference (a), I hereby nominate the following member for re-appointment to an additional four-year term on the Board of Mechanical Appeals:

- Mr. Jeff Thompson – Term ends 12/31/2025

2. Staff has recommended re-appointment; please contact me if you have any questions about this candidate.

Xc: City Administrator  
Director, Public Works

###



**MAYOR ROBERT M. GREEN**

**CITY OF CEDAR FALLS, IOWA**

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**TO:** City Council  
**FROM:** Mayor Robert M. Green *Robert Green*  
**DATE:** March 29, 2022  
**SUBJECT:** Nomination for Appointments and Reappointments to the Board of Plumbing Appeals  
**REF:** (a) Code of Ordinances, City of Cedar Falls §7-170(8)

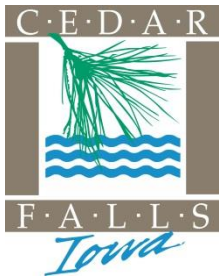
1. In accordance with the requirements of reference (a), I hereby nominate the following member for re-appointment to an additional four-year term on the Board of Plumbing Appeals:

- Mr. Glenn Behrends – Term ends 12/31/2025

2. Staff has recommended re-appointment; please contact me if you have any questions about this candidate.

Xc: City Administrator  
Director, Public Works

###



**MAYOR ROBERT M. GREEN**

**CITY OF CEDAR FALLS, IOWA**

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CEDAR FALLS, IOWA 50613  
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FAX 319-268-5126  
www.cedarfalls.com

**FROM:** Mayor Robert M. Green

**TO:** City Council

**DATE:** March 29, 2022

**SUBJECT:** Board of Rental Housing Appeals Re-Appointment

**REF:** Code of Ordinances, City of Cedar Falls §11-301: Board of Rental Housing Appeals

1. In accordance with the candidacy and qualification requirements of reference (a), I hereby nominate the following members of the Board of Rental Housing Appeals for reappointment to an additional four-year term:

- Mr. Dan Berregaard, term ends 5/1/2026
- Ms. Kim Kranz, term ends 5/1/2026

2. Both members have been recommended for reappointment by staff, and have carried out their responsibilities as board members successfully.

Xc: City Administrator  
Director, Community Development

###

## CITY COUNCIL WORK SESSION

Cedar Falls Council Chambers

March 21, 2022

The City Council held a work session at City Hall at 5:10 p.m. on March 21, 2022, with the following persons in attendance: Mayor Rob Green, Gil Schultz, Susan deBuhr, Daryl Kruse, Simon Harding, Dustin Ganfield, Dave Sires, and Kelly Dunn. Staff members attended from all City Departments and members of the community attended in person.

Mayor Green introduced the first item on the agenda, Collaborative Opportunities with UNI (University of Northern Iowa). He introduced City Administrator Ron Gaines, UNI's Finance and Operations Senior Vice President Michael Hager, and Board and Governmental Relations Chief of Staff Andrew Morse. City Administrator Gaines stated tonight's goal is to open a dialogue between Council and the University. Mr. Hager stated the relationship between the University and the City is very good. He stated UNI's February 2022 payroll was \$14.4 million, and the money funnels into the Cedar Falls economy; further, students funnel in money through rent, groceries, utilities, etc. He stated enrollment is down but graduation rates are up and UNI's retention rate is 10-12% higher than peers across country. Mr. Hager stated there is an initiative with community colleges including Des Moines community college, Hawkeye Community College, and 3 others are upcoming. He referenced a new general education program which changed and lessened the number of credits/hours leading to earlier graduation and being easier to add a major/minor. He stated the UNI Foundation has fundraised 39 million for FY20 and 43 million for FY21. Mr. Hager referenced capital projects including: roof replacement of the UNI Dome; expansion and renovation of the Gallagher Bluedorn Performing Arts Center; the final phase of renovation for Noran Hall; renovation and renaming of the Industrial Technology Center (will be the Applied Engineering Building). Mr. Morse stated UNI is the state's only regional comprehensive university; UNI provides personalized and industry relevant educational experience while driving economic growth and quality of life. He stated there is a soon-to-be launched addition to work at Tech Works in the old John Deere Foundry. He stated UNI provides hands-on educational experience through academic programs and 92% of undergrads study an academic discipline in alignment with at least 1 high growth/high demand industry in Iowa. Mr. Morse stated UNI is launching two new baccalaureate programs: Automation and Engineering Technology; and Data Analytics. He stated UNI collaborates with the Waterloo Career Center and Hawkeye Community College for a program called Degree Links for secondary students to take a full year off the time taken to earn a high school diploma, associate's degree, and baccalaureate degree in either: construction management, manufacturing, or graphic technologies. Mr. Morse stated UNI partners with Cedar Falls Center for Advanced Professional Studies (CAPS) program to provide internships. He addressed UNI's role in the College Hill Revitalization plans and expressed the goal to build a warm and welcoming business environment on the Hill. Mayor opened to Council discussion. Councilmember Dunn stressed the importance of the City and UNI's collaboration for the community and College Hill. City Administrator Gaines stated Fire Protection is the largest shared

service between the City and UNI, and they work together frequently at all levels of staff; Mayor Green and Mr. Hager stated the UNI Campus Police are state level with additional certification, and Cedar Falls Public Safety and the Campus Police each other. Councilmember Harding stated College Hill is a vital link and asked what vision UNI sees for College Hill and what can the City and Council do to support that; Mr. Hager responded they encourage more economic development, and have heard from recruiting employees and students the Hill is “not helping”; Mr. Morse praised the walkability from UNI to College Hill and appreciation of the effort to add natural landscaping; Mr. Hager stated there had been previous discussion of developing 22<sup>nd</sup> Street into the Hill, it would be a natural progression to the parking deck. Mayor Green stated the tennis courts have shared use between UNI and the City; Mr. Hager stated also by the Cedar Falls Schools and the Gaming Commission provided a grant due to the collaboration. Councilmembers Schultz and Sires mentioned previous businesses on the Hill and expressed desire to see those elements again; Mr. Hager stated UNI sees a lot of people for events and they do utilize hotels in town but proximity to the Hill would be ideal, he noted requirements needed to host NCAA events. Mayor Green stated Council’s goal setting document has action items for College Hill including to promote learning, service, and internship opportunities to elevate intentional community, business, and university engagement for increased UNI enrollment, and asked about community engagement; Mr. Morse stated the last strategic plan created an Office for Community Engagement led by Dr. Julianne Gassman to give students direct engagement with non-profits, local community organizations, and business to volunteer and intern and stated 95% of students have at least one career-relevant experience before leaving UNI; Mayor Green stated the Community Engagement Fair at UNI is April 22, 2022. Councilmember Dunn expressed the importance of collaboration among the City, UNI, and the Cedar Falls Schools and asked how does economic growth and incentive happen for College Hill like it has for Downtown; Mr. Morse stated the City’s goal setting document, the College Hill Vision Plan, and the UNI strategic plan have goals, now to take the next step. Mayor Green noted that UNI is rated a #1 military friendly campus and at goal setting Council worked on opportunities and incentives for the Governor’s Home Based Iowa program to attract separating/retiring military personnel. Councilmember Ganfield asked about tuition cost trends; Mr. Hager responded a regional comprehensive university is usually about \$2500 less than a research one institution, and UNI has the lowest tuition of the three state universities; Mr. Morse noted UNI has begun accepting AA and AS degrees outright from community colleges which has created a new transfer environment and draws a more competitive student population while still delivering a high quality education. Mayor Green thanked UNI staff for participating on the City’s various boards and commissions; he invited UNI student representative Zachary Zippe to speak regarding College Hill. Mr. Zippe expressed his interest in the City’s intentions towards the Hill, and noted that most students start by visiting the Hill but gravitate towards downtown; he stated revitalizing the Hill would be incentive for students to stay near campus. Councilmember Dunn asked Mr. Zippe what he’d like to see on the Hill; he responded the new business Golf Lab in Downtown would be a draw, and other businesses like that. Mayor Green stated it’s important to make new students feel welcome and that he and Waterloo Mayor Hart have done videos for welcome packets; he noted that Code Enforcement is important to

ensure properties maintain standards, and stressed the importance of making sure students know that some issues are between the landlord and the City, not the students; Councilmember Dunn agreed with the importance of making sure students know their rights as renters. Councilmember Kruse asked about updates on two housing properties on UNI Campus; Mr. Hager stated UNI did a space analysis and no need was found on campus for housing and they've requested permission to raze the two properties, the board tabled the issue in November 2021. Mayor Green stated these joint meetings are to be held when "timely" and requested to continue the joint meetings at least annually; Mr. Hager and Mr. Morse agreed.

Mayor Green introduced the second item on the agenda, Downtown Zoning Changes (continuation of previous discussion). Mayor Green introduced Planning and Community Services Manager Karen Howard. Ms. Howard referenced a slide with concerns to be discussed as a continuation of a past Work Session including: questions about missing middle housing; questions about accessory dwelling units; and vinyl siding decisions and requirements. Mayor Green requested discussion begin with missing middle housing and expressed concern that home ownership in Cedar Falls can be difficult with high price points. Councilmember Dunn expressed concerns about affordability of housing; not everyone wants a huge yard on a cul-du-sac, but they still want to build wealth through home ownership. Mayor Green asked if the current character district code for Downtown meets the vision plan for affordable, missing middle housing; Ms. Howard stated the community expressed interest in diversity of housing options near downtown, concern about housing density, and the old code lacked standards needed to provide opportunity for redevelopment as appropriate. Mayor Green stated he recently heard the term "a-third-able", the idea that no one should spend more than 1/3 of their monthly income on housing, either renting or owning and this will be assessed in the Housing Needs Assessment; Mayor Green asked for consensus as this being enough information if a Councilmember wants to make a referral; consensus reached. Mayor Green reviewed the three options for vinyl siding: leave as Planning & Zoning Commission (P&Z) recommended; add allowance for vinyl siding on new single-family dwellings; add allowance for vinyl siding on new multi-family dwellings less than 7 units. Councilmember Dunn asked what is allowed in the new code that wasn't previously; Ms. Howard stated in the previous CBD overlay, vinyl was not allowed for commercial, mixed-use, and multi-family residences with more than six units; she stated current code continues the previous prohibition and extends to any new single or multi-family residential dwelling, and it allows vinyl siding on all existing single-family dwellings and any existing buildings that have vinyl siding including additions. Councilmember deBuhr asked about the cost of siding versus other options; Ms. Howard responded she didn't have those cost figures, the market is fluctuating and there have been supply chain issues; Councilmember deBuhr stated she'd like to see it as a recommendation to not use instead of a prohibition. Councilmember Ganfield asked if cottage courts were considered single- or multi-family; Ms. Howard responded that multiple is more than one unit per property, so even if they are sold individually, it would be considered multi-family. Councilmember Ganfield asked about the rationale behind the prohibition on vinyl on new construction if existing structures can continue to use it; Ms. Howard stated the discussion centered around

longevity and sustainability of materials, that vinyl siding can be recycled but it's difficult and often ends up in landfills, and it burns at a lower temperature (fire hazard); she stated the discussion was summarized in the decision matrix provided to Council members; Councilmember Dunn stated the nearest facility to accept vinyl siding for recycling is in Minnesota. Councilmember Ganfield stated it doesn't make sense to allow vinyl siding on existing buildings but not new ones, it should apply to all or none, and removing the restriction lowers cost for new construction; Councilmember Kruse stated he is in favor of reverting to the previous code regarding vinyl siding; Councilmember Sires agreed. Councilmember deBuhr asked how current zoning and vinyl siding code compares to the boundaries of the previous CBD overlay; Ms. Howard responded it doesn't track exactly. Mayor Green asked if Council had enough information to make a referral at the Council meeting if desired; Council responded yes. Mayor Green addressed the third item, Accessory Dwelling Units (ADUs). Councilmember Kruse asked what happens when a property is sold or the owner wishes to convert the dwelling into a rental and can rental properties have an ADU; Mayor Green stated he sees the owner-occupied restriction as helping maintain the character of the neighborhood and not create density; Ms. Howard stated it's not a dwelling unit if there's no kitchen, so taking out the kitchen elements would allow the property to be sold as or converted to a rental; she stated there would be a process for approving ADUs including something in the deed regarding selling requirements, but it hasn't yet been requested. Councilmember deBuhr asked how ADUs compare to rental size requirements; Ms. Howard stated it's basically a one-room apartment; Councilmember Sires asked if it would require additional parking; Ms. Howard responded limited occupancy would make the on-street parking impact minimal, so no requirement; Mayor Green stated if parking became an issue Council could address it at that time. Councilmember Kruse requested clarification of "daylight basement"; Ms. Howard stated it's the idea that instead of the entire space being underground, a significant portion is above ground; Councilmember Kruse stated concern with not allowing ADUs to apply to rental properties as well as owner-occupied properties and enforcing this; Mayor Green stated he does not see it as problematic to enforce; Councilmember Dunn stated she does not see this as an issue and thinks it could be a good idea for taking care of family members, and if ADUs become a problem they can be addressed at that time. Councilmember Ganfield asked about the investment of creating the ADU and the return upon sale; Councilmember Harding stated the units could help owners gain an additional income source. Councilmembers deBuhr and Schultz asked about building requirements and lot restrictions; Ms. Howard stated all current code must be met for accessory buildings and the buildable area of the lot. Mayor Green asked if Council had enough information to request a referral if desired; Council responded yes.

Mayor Green and the Council held a brief discussion about the scope of the Downtown zoning and the effect it may have on other sections of the City; it was determined there would be additional discussion at a future meeting.

There being no further discussion, Mayor Green adjourned the meeting at 6:53 p.m.  
Minutes by Katie Terhune, Administrative Assistant



**CIVIL SERVICE COMMISSION**

City of Cedar Falls  
CEDAR FALLS, IOWA

March 23, 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 Maintenance Worker. 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	Logan Clements	358		358
2	Tyler Schellhorn	347		347
3	Nathan Henn	330		330
4	Jesse Juel	327		327
5	Shianne Rasmussen	310		310
6	Allen Iverson	307		307
7	Chad Rogge	306		306
8	Tanner Peters	301		301
9	Bradley Fredericksen	296		296
10	Michael Wells	280		280
11	Cole Lamprecht	256		256
12	Stephanie Camargo	255		255
13	Levi Lynch	252		252

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 Mgr.  
Civil Service Records



**OFFICE OF CITY ADMINISTRATOR**

**CITY OF CEDAR FALLS, IOWA**

220 CLAY STREET  
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**TO:** Mayor Robert M. Green and City Council Members  
**FROM:** Ron Gaines, City Administrator  
**DATE:** March 28, 2022  
**SUBJECT:** Departmental Monthly Reports Submission – February 2022

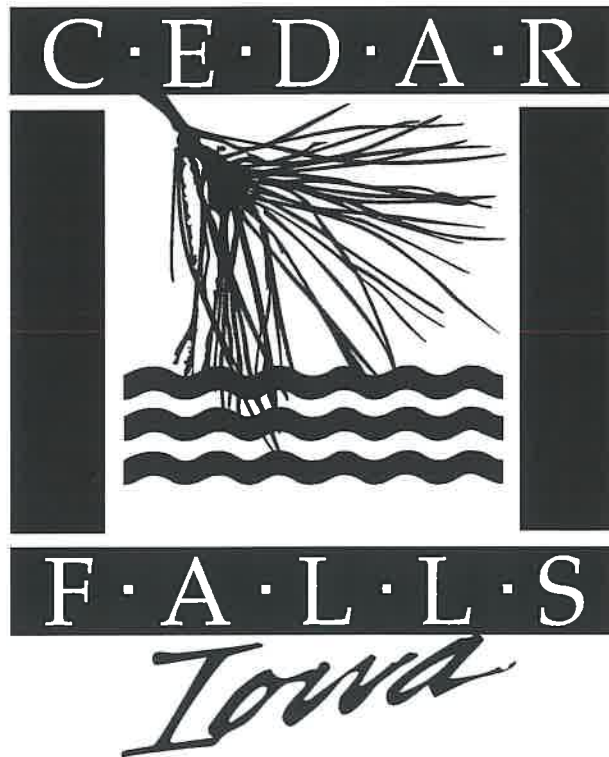
Please contact Administrator Gaines with any questions about the accomplishments of city staff contained in this monthly report.

Encl: (1) City of Cedar Falls Departmental Monthly Reports.

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# CITY OF CEDAR FALLS

## DEPARTMENTAL MONTHLY REPORTS



February 2022

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**FINANCIAL SERVICES  
FEBRUARY 2022**

**Treasury**

Financial Services is responsible for maintaining accounting and cashflow as it relates to the city treasury, monitoring securities held by the City and investing idle cash to provide safe investments while maximizing interest earnings. Currently, the City has \$57,436,370 invested in CD's and \$36,000,000 in a liquid money market.

<u>Investments</u>	<u>Transactions</u>	<u>Amount</u>
CD's Matured	1	\$4,000,000.00
CD's Purchased	1	\$4,000,000.00
PFMM Deposit	0	\$0.00
PFMM Withdrawal	0	\$0.00
CD/Investment Interest		\$38,220.27

**FY23 Budget**

The proposed budget was presented to Council at the February 7<sup>th</sup> Council Committee meeting. The maximum levy was approved by the City Council on February 21<sup>st</sup> and on March 7<sup>th</sup> the public hearing to approve the budget will be held.

**Miscellaneous Financial Activities**

For February, 30 payroll checks and 671 direct deposits were processed. Accounts receivable were processed and 91 invoices were mailed out to customers. 1,744 transactions for accounts payable were processed and approved by the City Council for payment and 485 checks were mailed out to vendors.

**Benefit & Compensation Activities**

1. Staff gave presentation summarizing the City's flex spending and health reimbursement accounts, COVID-19 testing coverage, and the employee intranet resources to employees via Zoom and at Public Safety and Public Works locations.
2. Staff sent out various email reminders of the flex spending and HRA presentation and for the related deadlines that are approaching in March.
3. Staff continued process of updating employee intranet with up-to-date information on various City benefit plans.

4. FY22 Wellmark Health Insurance SPDs were distributed to employees, retirees, and COBRA members who participate in the City Plan A Health Insurance Plan. The City is waiting to distribute Plan B SPDs due to a Wellmark printing error.
5. A required notice was distributed to employees regarding the No Surprises Act that bans surprise billing, among other things, and went into effect 1/1/22.

## FINANCE &amp; BUSINESS OPERATIONS

**HUMAN RESOURCES**  
**February 2022**

**SUMMARY OF PROJECTS, TRAINING & STAFF ACTIVITIES**

- Risk Management Committee meeting held February 16<sup>th</sup>
- Regular review of COVID guidelines
  - Blackhawk county now in low/medium risk category, therefore, mask requirement removed as of February 25, 2022, while all other guidelines remain the same
- Reviewed five contracts/agreements for required insurance
- Review and follow-up of five public event permits
- Worked with consultant BerryDunn to finalize the RFP for the potential Enterprise Resources Planning (ERP) system replacement project
- 2022/2023 Courier advertising budget approved by City Council
- Multiple sessions of FSA & HRA training presented to employees
- Recruitment/Employment tasks related to:
  - FT positions: Administrative Supervisor, Community Services Coordinator, Engineering Technician II, Equipment Mechanic, Land Surveyor, Maintenance Worker, Public Safety Officer, and Recreation & Community Programs Manager
  - PT positions: Community Service Officer, Facility Assistant (Community Center), Library Assistant (Community Center), Library Intern, Office Assistant (Police Records), and contracted Custodians
  - Seasonal/Special Purpose/Misc. positions for City Administration, Community Development, Public Safety, and Public Works departments (Aquatics, Recreation Programming, Public Admin. and Public Safety Interns, Hearst Youth Instructor, and Seasonal Laborers)

**CIVIL SERVICE COMMISSION**

- Preparations for and follow up to the February 16<sup>th</sup> and 23<sup>rd</sup> meetings were completed
- A Public Safety Officer list was certified
- Maintenance candidates were approved to test and were interviewed
- The testing process, selection rubric, and testing document and rating form was approved for Engineering Technician II

**HUMAN RIGHTS COMMISSION**

- Preparations for and follow up to the February 2<sup>nd</sup> Executive Committee and February 14<sup>th</sup> main Commission meetings were completed
- An ordinance amendment was approved increasing the number of commissioners from nine to 11

## Finance and Business Operations Information Systems Division Monthly Report February 2022

### Summary of projects, training and staff activities

- Work on the new dispatch software continues.
- We continue work on the new document management software, the migration out of the old system is complete and we are currently moving documents into the new system.
- City Hall Remodel:
  - Removed patch cables from server room for remodel
  - The City Hall front door has been set to lock at 5:30, Monday through Friday, now that public meetings are no longer happening there due to construction.
  - City wireless internet was installed in the Community Center for data access during public meetings.
- Installed new antivirus endpoint protection to over 150 end user workstations and 30 virtual servers. Policies were created to detect system vulnerabilities as well as denying access to potentially unwanted software and known malware. Alerts were setup to notify the I.T. department about potential threats to the network.
- Installed new cameras at the Rec Center for better coverage.
- Participated in a planning meeting for future camera projects.
- Hardware was purchased to allow receiving faxes to the desktop.
- Investigated new backup and recovery options to satisfy a cyber security insurance requirement.

### Software Purchase/Installation/Upgrade Activities

- 37 software installations for 8 different departments

### Equipment Purchase/Installation/Upgrade Activities/Repairs

- 13 new pieces of equipment purchased for 5 different departments and inventory.
- 1 new equipment installation for 1 different department.

### Problem Resolution Activities & Assistance Activities

- 72 problem resolution or assistant activities took place for 11 different departments

### Graphic Design Activities

- **Hearst Center:** spring brochure, event fliers/posters, exhibit postcards, vinyl, artist booklets
- **Tourism:** fillable form, beer trail materials
- **Recreation Center:** Wellness graphics, flier updates
- **Other:** website updates, social media maintenance/graphics, business cards, promotional/communications graphics, laminating, Fire inspections mailer, Select CF fliers, student job shadow, code enforcement stickers, retirement invite, Currents newsletter

### Channel 15 Programming Activities

- Cable TV Summary of projects
  - This month we produced 9 public meetings, 7 high school sports productions, 1 new Sports Talk show and 4 UNI Athletics events.
  - Aired 4 new Panther Sports Talk show and 4 University of Iowa "The Heartland" show.



- Produced 1 new City News show
- Continued weekly encoding and programming of church services for Public Access.
- Programmed CFU and Mediacom cable providers for Channel 15 and Public Access.
- Updated & added Community Calendar events to the Channel 15 Announcements
- Drone flights included:
  - Cedar Falls High School Construction
- Facility Upgrades
  - Final preps on producing public meetings at the Community Center.
  - Uninstalled cables from the City Hall basement as a part of the City Hall remodel project.

#### **Geographical Information Systems (GIS) Activities**

- GIS Summary of projects
  - Worked with Water Rec to catalog all cctv documents
  - Worked with various entities to complete a correction to new ward and precinct boundaries
  - Worked with vendor to complete data migration from Firehouse to LAMA
  - Worked with Planning to provide rental information to councilmembers
  - Worked with Fire to review how to use the USNG grid for search and rescue
  - Worked with Building to provide open lots by subdivision
  - Worked with Police to provide documents for an upcoming legal case
  - Worked with V&T to put together a web app for the 2022 beer trail
- Completed 3 web and database projects for 3 different departments
- Completed 6 different data requests for 5 different entities.
- Provided 4 new maps for 3 different departments.
- Created 11 new addresses

**FINANCE & BUSINESS OPERATIONS  
LEGAL SERVICES  
February 2022**

**REPORT FROM SWISHER & COHRT – SAM ANDERSON, LUKE JENSON:**

**Traffic Court:**

City Cases Filed: 155 (this number includes both City and State tickets)

Cases Set: 6 (Traffic) 0 (Code Enforcement)

Trials Held: 0 (Traffic) 0 (Code Enforcement)

**REPORT FROM KEVIN ROGERS, CITY ATTORNEY**

- Review, Revise and Advise on 6 agreements
- Outdoor Service Area policy development
- Personnel Policy updates
- Work on Property Acquisition Training materials

**FINANCE & BUSINESS OPERATIONS  
PUBLIC RECORDS  
FEBRUARY 2022**

**Public Records Activity**

Staff prepared agendas, minutes and electronic packets for two Regular City Council meetings, two Council Committee of the Whole meetings, two Council Work Sessions, two Planning & Zoning Commission meetings and two Technical Review meeting. Meeting follow-up communications, minutes and legal documents were drafted, processed, recorded and filed.

Public meetings moved to alternate locations during construction. Assisted with planning and signage as City Council, Planning & Zoning Commission and School Board meetings were relocated to the Cedar Falls Community Center.

Responded to twelve (12) requests for public records.

**Licenses / Permits Processed & Issued**

284	Pet licenses
33	Paw Park permits
0	Poultry licenses
0	Cemetery Interment Rights
2	Public Event permits
1	Tree Trimming license
18	Liquor licenses and beer/wine permits

Letters were sent to businesses in the Downtown and College Hill areas reminding them of the license requirements for placing sidewalk cafes, tables & chairs and temporary signs on the public sidewalks.

Participated in discussions regarding alcohol and public events, and implemented revised policies for regulating outdoor service areas that encroach onto public property or public right-of-way.

Prepared the 2021 annual cemetery reports that are required to be filed with the Iowa Insurance Division.

Participated in discussions and planning meetings regarding adding the rental inspection process into the LAMA system.

Prepared and filed one property assessment for expenses incurred by the city to mow/clean up affected properties.

The unemployment rates for the month of January 2022 were 3.1% for the Waterloo-Cedar Falls Metropolitan Area, 3.7% in Iowa, and 3.8% in the U.S.

**Parking Activity**

Enforcement

1,157 Parking citations issued.  
\$ 9,132.00 Citations paid.

Collection Efforts

\$ 3,815.00 Collections from delinquent parking accounts.  
\$ 1,450.00 Vehicle immobilizations (29 vehicles).

Permits

\$ 2,144.00 Parking permits issued (50).

**FINANCE & BUSINESS OPERATIONS  
LIBRARY & COMMUNITY CENTER  
FEBRUARY 2022**

**Library Activity**

<b>Usage Statistics</b>	<b>December 2021</b>	<b>January 2022</b>	<b>January 2021</b>
<b>Customer Count</b>	9,418	10,167	2,253
<b>Circulation</b>	28,932	31,641	20,509
<b>Event Attendance</b>	965	667	2,180

Special events in February included the following:

- Seven library staff members completed a class from *Library Journal* called *Building an Antiracist Library Culture*.
- Picture book shelves in the youth department were replaced with browsing bins, which allow books to be flipped through face-out, which is research-supported best practice for serving young children in libraries.
- A card-making class for adults in the Co-Lab
- Celebrate Family History Through Research: a collaborative genealogy program with the Cedar Falls Human Rights Commission
- *Over and Under the Snow: A STEAM Storywalk*®

**Community Center Activity**

Programs at the Community Center included cards, billiards, senior fitness classes, and ceramics. Rentals in February included a stamp club, a band and a birthday party. City meetings moved to the Community Center in February during the City Hall remodeling project.

Clarendon Falls  
 Cedar Falls  
 Community Development  
 Inspection Services Division  
 Monthly Report for:

Feb-22

Total for Month \$4,578,667.00  
 Total for Fiscal Year \$61,788,131.00  
 Total Same Month - LAST YEAR \$2,076,782.00  
 Total for Fiscal Year - LAST YEAR \$65,854,518.00

Construction Type	Monthly Summary				Yearly Summary			
	Issued	Dwelling Units	Valuations	Fees	Issued	Dwelling Units	Valuations	Fees
Single Family New Construction	10	0	\$2,888,539.00	\$22,289.30	47	0	\$14,016,354.00	\$105,268.25
Multi-Family New Construction								
Res Additions and Alterations	46	0	\$515,220.00	\$9,358.50	480	0	\$6,947,466.00	\$107,886.65
Res Garages	1	0	\$4,780.00	\$60.00	31	0	\$647,469.00	\$9,216.00
Commercial/Industrial New Construction					4	0	\$29,320,372.00	\$128,556.50
Commercial/Industrial Additions and Alterations	14	0	\$1,170,128.00	\$10,005.00	74	0	\$10,839,570.00	\$58,722.95
Commercial/Industrial Garages								
Churches					1	0	\$1,900.00	\$68.00
Institutional, Schools, Public, and Utility					4	0	\$15,000.00	\$187.00
Agricultural/Vacant								
Plan Review	13	0	\$0.00	\$6,484.00	61	0	\$0.00	\$112,629.00
<b>Total</b>	<b>84</b>	<b>0</b>	<b>\$4,578,667.00</b>	<b>\$48,196.80</b>	<b>702</b>	<b>0</b>	<b>\$61,788,131.00</b>	<b>\$522,534.35</b>

Cl...edar Falls  
 Community Development  
 Inspection Services Division  
 Monthly Report for:

Feb-22

Construction Type	Monthly Summary					Yearly Summary				
	Issued	Dwelling Units	Valuations	Fees	Issued	Dwelling Units	Valuations	Fees		
Electrical	31	0	\$0.00	\$3,105.00	337	0	\$0.00	\$29,812.10		
Mechanical	71	0	\$0.00	\$5,815.00	613	0	\$0.00	\$50,958.00		
Plumbing	63	0	\$0.00	\$4,575.00	497	0	\$0.00	\$36,132.50		
Refrigeration	1	0	\$0.00	\$60.00	5	0	\$0.00	\$650.00		
<b>Total</b>	<b>166</b>			<b>\$13,555.00</b>	<b>1452</b>			<b>\$117,552.60</b>		

Constructor Registrations	Monthly Summary					Yearly Summary				
	Issued	Dwelling Units	Valuations	Fees	Issued	Dwelling Units	Valuations	Fees		
Electrical					4	0	\$0.00	\$600.00		
Mechanical					2	0	\$0.00	\$300.00		
Plumbing	1	0	\$0.00	\$150.00	4	0	\$0.00	\$600.00		
Refrigeration										
<b>Total</b>	<b>1</b>			<b>\$150.00</b>	<b>10</b>			<b>\$1,500.00</b>		
<b>Building Totals</b>	<b>84</b>	<b>0</b>	<b>\$4,578,667.00</b>	<b>\$48,196.80</b>	<b>702</b>	<b>0</b>	<b>\$61,788,131.00</b>	<b>\$522,534.35</b>		
<b>Grand Total</b>	<b>251</b>	<b>0</b>	<b>\$4,578,667.00</b>	<b>\$61,901.80</b>	<b>2164</b>	<b>0</b>	<b>\$61,788,131.00</b>	<b>\$641,586.95</b>		

**PLANNING & COMMUNITY SERVICES DIVISION  
MONTHLY REPORT  
February 2022**

**MONTHLY MEETINGS:**

**Planning & Zoning Commission** – Meetings were held on February 9 and February 23.

<b>February 9, 2022 Meeting</b>			
<b>Applicant</b>	<b>Project</b>	<b>Recommendation</b>	<b>Action Taken</b>
City Council petition	Zoning Code Text Amendment – Amend CD-DT to eliminate shared parking requirements (TA22-001)	No Staff recommendation	Held public hearing and voted to deny the petition.
City Council petition	Zoning Code Text Amendment – Amend CD-DT to increase parking requirements (TA22-001)	No Staff recommendation	Held public hearing. Council petition to increase to 1 space per bedroom failed. Alternative motion by the Commission to increase to 0.75 spaces per bedroom was recommended for approval.
<b>February 23, 2021 Meeting</b>			
Gordie Sorensen, Sorensen Real Estate Partners, Inc.	Site Plan Review – Car Wash Converted to Self Storage Facility at 3717 Midway Drive (SP22-001)	Approval	Discussion and Approval
City of Cedar Falls	Zoning Text Amendment – Daycare Uses in the M-1 Light Industrial District (TA22-002)	Introduction and Discussion	Set public hearing for March 9th

**Group Rental Committee** – Meetings were held on February 1, and February 15, 2022

<b>Address</b>	<b>Unit</b>	<b>Owner</b>	<b>Requested Occupancy</b>	<b>Approved for</b>	<b>GRC</b>	<b>BRHA</b>
214-216 N Francis St	2	Panther Builders	3/unit	3/unit	2/1/2022	
710 W 22nd	1	Brandon Ballenger (purchasing	4/unit	4/unit	2/1/2022	
1409 Cottage Row Road	1	Craig A Gingrich	2/unit	2/unit with stipulations	2/1/2022	
2303 Olive Street	1	Olive Properties LLC	2 in Unit-1,3,4, 4 in Unit-5 and 1 in Unit-2.	2 in Unit-3,4, 4 in Unit 5, and 1 in Unit-1,2	2/1/2022	



				with stipulations		
3120-22 Grand Blvd	2	Mike Morrison	4/unit and 2/unit	3/unit and 2/unit with stipulations	2/1/2022	
514 Walnut Street	1	Sindt Properties LLC	4/unit	4/unit	2/15/2022	2/28/2022

**Board of Rental Housing Appeals** – A regular meeting was held on February 28, 2022.

<u>Address</u>	<u>Unit</u>	<u>Owner</u>	<u>Requested Occupancy</u>	<u>Approved for</u>	<u>GRC</u>	<u>BRHA</u>
514 Walnut Street	1	Sindt Properties LLC	4/unit	4/unit with stipulations		02/28/2022

**Board of Adjustment** – No meeting was held.

**Other Commissions, Board Meetings & Staff Liaison Responsibilities:**

	<u>Date</u>	<u>Notes/Actions</u>
Bicycle and Pedestrian Advisory Committee	2/1/2022	Staff presented the latest/final version of the Bike Plan Map which the Committee voted to recommend for adoption by P&Z and City Council. The remainder of the time was spent on the trail snow clearing topic. Staff reported back after discussing with Public Works. Staff affirmed that there was a misunderstanding of what Brian Heath discussed back in October and reiterated the trade-offs for snow removal and how the committee would have to identify routes to stop clearing in favor of other preferred/recommended routes. Staff offered to set up a meeting between the Chair and the director of Public Works, which meeting took place the following week.
College Hill Partnership	2/14/2022	Frank Darrah appointed to empty At-Large Seat. Discussion of the shooting incident on the Hill (Feb 6th) and how matters were conveyed to the public and UNI students. Partnership made a donation to RodCon event. Discussed need for organizational strategic planning.
Historic Preservation Commission	02/08/22	Public attendees noted concern about the potential demolition of the West Gym on UNI campus. Commission advised about coming up with alternative proposals for restoration and present it to UNI authorities. Commission

was also updated with recent announcement by Preservation Iowa, regarding listing of Seerley House on endangered property list. Commission discussed ongoing progress on two educational projects including organizing walk-in house tour within Overman Park neighborhood and a project presentation identifying historical sites in College Hill neighborhood. Commission evaluated received Scavenger Hunt forms and selected four winners, which will be receiving prizes next meeting.

Housing Commission	2/15/22	Introduced and discussed Council Goals related to housing. Mr. Brown spoke and provided an overview of the housing market and potential Work Force Housing Tax Credit application. The Commission also discussed reducing the Commission to five members.
Community Main Street Design Committee	02/18/22	Discussed several items: a Spring cleanup for Earth Day on April 22 <sup>nd</sup> , logistics for hanging baskets on the light posts in the Spring, and a potential event to educate businesses about availability/methods to receive historic tax credits.
Parking Committee – Downtown and College Hill	NA	No meeting was held in February.

**LAND USE INQUIRIES AND PERMITTING**

- 236 general inquiries, including walk-ins, and staff responses with information/assistance.
- 65 land use permits were issued.

**OTHER PROJECTS FOR FEBRUARY INCLUDED:**

- Bike Plan update project is ongoing. The Bike Ped Committee recommended approval of the latest version of the plan map which will be presented to the Planning and Zoning Commission in March.
- The Bicycle and Pedestrian Advisory Committee is in consideration to become an official board or commission. Staff is preparing information to present to Council on the matter.
- Resilience Plan draft under staff review. Now that COVID numbers are back down, public meeting can be scheduled for review of the plan.
- Wellmark Foundation grant application submitted for the Cedar River Recreation Project.
- Property appraisal for flood buyout completed
- Ongoing effort to address enforcement of rental paving ordinance.
- Various enforcement actions related to zoning and rental code violations.

**ECONOMIC DEVELOPMENT:**

- Continued coordination with consultant on design work for the expansion of the West Viking Road Industrial Park.

- Met with a business that is potentially looking to relocate and expand in the Cedar Falls Industrial Park.
- Attended monthly Cedar Falls Economic Development Corporation board of directors meeting.
- Continued working on preparation of necessary legal documents for several proposed industrial park projects.
- Met with a Cedar Falls business regarding future expansion plans.
- City Council approved an amendment to the development agreement with Cedar Falls Municipal Utilities relative to the Unified Highway 58 Corridor Urban Renewal Area.
- City Council approved an Agreement for Private Development with Wayne Estates, LLC, for a new 16,000 sf. industrial building located in the Cedar Falls Industrial Park.
- City Council opened the public hearing relative to an Agreement for Private Development with McWing, LLC for a new 40,000 sf development in the Cedar Falls Industrial Park.
- City Council set the date of public hearing on an Agreement for Private Development with KL Iowa 01, LLC for a new 51,000 sf development in the Cedar Falls Industrial Park.
- Attended online meeting with INRCOG relative to the update of the region's Comprehensive Economic Development Strategy (CEDS) plan.
- Attended Business and Industry meeting to discuss the 2022 awards banquet.

**CDBG**

- Work with INRCOG on administering the funds for projects and services agencies based on the recently updated Annual Action Plan.
- Continue to monitor sub-recipients of CARES ACT funds through the CDBG program.

**HOUSING CHOICE VOUCHER PROGRAM**

<b>Waiting List</b>	466	<b>Rent Subsidies (HAP payments)</b>	\$103,203
<b>New Applications Taken</b>	19	<b>Utility Payments</b>	\$ 1,779
<b>Units under Contract</b>	207	<b>Admin Fees</b>	\$ 15,265
<b>Initial Vouchers Issued</b>	0		
<b>Current Open Vouchers</b>	6	<b>Lease Up Goal</b>	220
<b>New Admissions</b>	1		

**Ongoing**

- All active files have been scanned. Continuing to scan in terminated files.
- Added new landlords
- Continuing to issue new vouchers/pulling from waitlist

**ADD A DOLLAR REPORT**

There was no application received for utility assistance in February. There was a balance of \$37,017.17 as of February 28th, 2021.

## Recreation & Community Programs February Report 2022

Sincerely,

J.J. Lillibridge  
 Recreation and Community Programs Manager

	Prev. Month	This Month	February
	January	February	2021
<b>Recreation Programs</b>			
Fitness Classes Offered	192	186	137
Fitness Class Attendance	1740	1775	905
Personal Training Sessions	104	124	66
Massages	51.5	56	41.5
FW Mon Mix Volleyball	322	0	280
FW Wed Mix Volleyball	126	126	0
FW Womens Volleyball	210	196	112
SP Mon Mix Volleyball	0	252	0
SP Wed Mix Volleyball	0	56	0
SP Womens Volleyball	0	0	0
Adult Basketball	144	144	0
1st & 2nd Grade Basketball	192	384	224
3rd & 4th Grade Girls Basketball	64	96	64
4th - 6th Grade Girls Basketball	52	78	32
5th & 6th Grade Boys Basketball	164	451	312
Pickleball Specific Daily Admission	5	16	0
Racquetball League	0	72	0
Swim Passes Sold (Winter)	7	1	5
Open Rec Swim/Lap Swim Numbers	629	686	603
Aquatic Program Usage	1933	1081	1076
Indoor Park	0	216	147
Child Care	0	63	0
Rentals	0	24	0

## CEDAR FALLS TOURISM & VISITORS BUREAU Monthly Report - February 2022



### MEETINGS/CONVENTIONS/SPORTS

- Cedar Falls hosted a Leadership Iowa event (marketing grant supported), new UNI-Dome JVA Challenge with 90+ volleyball teams (CV Sports Commission led) and several other large events.
- Sales staff secured 2 future conferences/events for 2022 including a UNI E-Sports Tournament, sent 5 proposals for events in 2022 and 2023, and generated 5 new leads.
- Coordinated volunteers for Iowa High School State Bowling Tournament.
- Promoted upcoming Hawkeye Farm Show and Eastern Iowa Sportshow and coordinated interview for FIRST Robotics on KWWL.



### LEISURE

- Hosted travel blogger Katy Flint - 7 Ways to Have a Great Weekend in Cedar Falls, Iowa. [katyflint.com](http://katyflint.com)
- Hosted travel writer Megan Bannister - Plan a Cozy Winter Getaway in Cedar Falls. [olioniniowa.com](http://olioniniowa.com)
- Updated Maple Syrup Festival and FIRST Robotics content on website.
- Updating Beer Trail for annual launch in May with new passport, app and map.
- Preparing for Rail-to-Trails Conservancy's Celebrate Trails Day.



### COLLABORATION

- Published Hospitality Highlights newsletter x4, Weekender newsletter x2 and Notify Me posts x2.
- Met with UNI Admissions & Athletic Department staff.
- Coordinated Active Shooter Training for partners.
- Coordinated interview on KWWL highlighting Volunteers on Tap.
- Scheduled volunteers for Hawkeye Farm Show.
- Attended Cedar Valley Sports Commission meeting.
- Attended Iowa Travel Industry Partners board & committee meetings and webinars.
- Attended virtual Iowa Tourism Office Strategic Planning work group.
- Attended Cedar Trails Partnership meetings and assisted with new website.
- Attended Sturgis Falls Celebration meeting and Metro Funders meeting.
- Joined Grow Cedar Valley Ambassadors.
- Met with Experience Waterloo and College Hill Partnership.

### GROUP TOUR

- Worked with a car club on group activities for an April visit.

	February 2022	January 2022 (last mo)	February 2021 (last year)
Visitor Center Traffic	278	266	141
Website Traffic	10,782	5,779	7,314
CedarValley365.com Users	1,059	873	1,074
Facebook - Visitor Center	9,175	9,151	8,976
Instagram	2,166	2,154	1,883
LinkedIn – B2B audience	386	373	209
Facebook – B2B audience	618	610	448
Digital Ad Campaign Impressions	836,778	No ads in Jan.	n/a
Visitor Guide Distribution	1,091	5,242	1,381
Volunteer Hours	74	26	37

Respectfully Submitted,

*Jennifer Pickar*

Jennifer Pickar, Tourism and Cultural Programs Manager



## CEDAR FALLS CULTURAL PROGRAMS

Monthly Report | February 2022



- Our education team offered their first outreach program in collaboration with Pathways Behavioral Services.
- Hearst galleries were closed for two weeks in February for a change in shows. We closed the exhibition by artist Charles Matson Lume, and opened two new shows, *Our Town: Reclaiming the Narrative* and *Eddie Bowles' Blues*. The latter is a collaboration with the UNI Department of Languages and Literature and professor Jim O'Loughlin. Both shows had public receptions in February.
- The Hearst offered several classes and workshops in February, including Beginner's Country Guitar, Open Studio Painting, Ceramic Surface Design, Art Journaling, Wheel Throwing, Mindful Mandalas, and our weekly Messy Mornings. The ed team also hosted two Empty Bowls sessions in collaboration with the Food Bank.
- We had a full class of campers for our Art Day Away camp on Feb. 18, during which campers explored ideas of identity and representation, based on themes in the exhibitions.
- Staff (Heather and Jennifer) continued to work with Propel Nonprofits on programmatic planning for Hearst 2.0.
- The *WCF Courier* ran a story on our current exhibitions.
- The Art and Culture Board welcomed new board member Peter Berendzen.
- The Public Art Committee reviewed a potential project for the Prairie Parkway Roundabout and decided to not continue planning for a public art project at that site.
- Staff produced a Spring 2022 brochure of programs, exhibitions, and events.
- Public programs offered in February included two receptions, a performance by the Cedar Valley Acoustic Guitar Association, one Midday Melodies performance, and the Final Thursday Readers Series authors talk and open mic.





Images: Front, top to bottom: Student exhibition writers from a UNI Languages and Literatures course taught by Dr. Jim O’Loughlin. This group produced the content for the Eddie Bowles exhibition | An Art Day Away Camper creates an identity collage | Guest curator Lenore Metrick Chen (and husband, artist Phillip Chen) works in the gallery with Hearst staff | Above, left to right: Installation view of *Our Town* | Public talk hosted by UNI students and Jim O’Loughlin in conjunction with *Eddie Bowles’ Blues* | Artwork shipment from two independent galleries that loaned work for *Our Town*, one in Chicago and one in New York City

	Last Month	This Month	Last Year
<b>Hearst Center Usage Statistics</b>	Jan FY22	Feb FY22	Feb FY21
In-Person and Virtual Attendance*	1666	1342	696
Off-site Ed/Outreach Encounters	0/0	1/15	0/0
Public Programs Offered**	7	5	5
Exhibition walk-in Viewers	289	167	217
Classes/Workshops Offered***	11	10	12
Rentals/Birthday Parties	0/2	3/2	0/1
Volunteers/# of Hours	6/24	3/9	9/11
Facebook Views	43211	35785	34988
Facebook Followers	2618	2651	2336
Instagram Followers	997	1006	741
Ads, videos, press releases, articles	6	6	2
Friends Members/new or renewed	200/22	213/13	269/10

\*includes door counter, estimated garden attendance, and virtual program attendance. Does NOT include views of recorded material; \*\*includes on-site and virtual programs; \*\*\*includes themed take-home kits and virtual classes/workshops

Respectfully submitted,

Heather Skeens, Cultural Programs Supervisor



**ENGINEERING DIVISION  
PROJECT MONTHLY REPORT - FEBRUARY 2022**

Item 10.

<i>Type</i>	<i>Project No.</i>	<i>Project</i>	<i>Description</i>	<i>Status</i>	<i>Budget</i>	<i>Contractor/ Developer</i>
Sidewalk	SW-000-3223	2021 Sidewalk Infill and Trails	Sidewalks & Trails	Construction Underway	TBD	Engineering Division
Sidewalk	SW-000-3266	2021 Sidewalk Repair and Infill	Sidewalks & Trails	Construction Underway	\$157,876	Cobalt/Engineering Division
Streets	RC-000-3171	Cedar Heights Drive Reconstruction	Street Repair	Construction Underway	\$6,000,000	Snyder
Streets	RC-268-3245	Cyber Lane	New Construction	Construction Underway	\$296,324	Engineering Division Owen Contracting
Bridge	BR-000-3259	2022 Bridge Inspections	Inspections	Contracts	\$40,000	Foth
Subdivision	SU-364-3189	W. Viking Industrial Park	New Construction	Contracts	\$8,700,000	Snyder
Streets	RS-000-3275	2021 CFU Street Patching Project	Street and Sidewalk Repair	Construction Planned to Begin April 2022	\$161,198	Boulder Contracting/Engineering Division/CFU
Streets	RC-173-3228	Greenhill Road & South Main Intersection Improvements	Reconstruction	Construction Planned to Begin April 2022	\$3,400,000	Shive Hattery
Sanitary	SA-002-3182	Oak Park Sanitary Sewer	Sanitary Sewer	Letting	\$800,000	Water Reclamation/ Snyder
Sanitary	SA-000-3297	2022 CDBG Sanitary Sewer Rehab	Sanitary Sewer	Letting	\$250,000	Engineering/Water Rec
Storm Water	ST-115-3147	University Ave Biocell	Storm Water	Design	\$108,647	Engineering Division
Streets	SC-000-3273	2022 Seal Coat	Resurfacing	Design	\$100,000	Engineering Division
Streets	RC-362-3212	W. Viking Road Recon	Reconstruction	Design	TBD	Snyder
Streets	RC-000-3240	27th Street Improvements	Reconstruction	Design	TBD	AECOM
Streets	MC-000-3206	Center Street Street Scape	Recon	Design	TBD	Engineering Division Foth
Bridge	BR-106-3215	Olive Street Box Culvert	Box Culvert	Design	\$1,160,000	AECOM
Flood	FL-033-3088	Cedar River Safety & Recreation	Recreation	Design	\$50,000	Engineering Division
Sidewalk	SW-000-3293	2022 Sidewalk Assessment	Sidewalks & Trails	Design	TBD	Engineering Division
Sanitary	RC-000-3240	27th Street Improvements (Sanitary)	Reconstruction	Final Out Remains	\$270,000	AECOM/Pirc Tobin
Stabilization	MC-091-3218	Mandalay Slope Stabilization	Slope Stabilization	Final Out Remains	TBD	Snyder

**ENGINEERING DIVISION  
SUBDIVISION MONTHLY REPORT - FEBRUARY 2022**

<i>Project No.</i>	<i>Project Title</i>	<i>Description</i>	<i>Status</i>	<i>Budget</i>	<i>Contractor/ Developer</i>
SU-442-3165	Autumn Ridge 10th Addition	New Subdivision	Construction Underway	-----	BNKD Inc./CGA
SU-454-3257	Wild Horse 5th Addition	New Subdivision	Construction Underway	-----	CGA
SU-413-3199	Terraces at West Glen, New Aldea West Campus	New Subdivision	Final Out Remains	-----	New Aldea/Fehr Graham
SU-330-3151	Arbors Fourth Addition	New Subdivision	Maintenance Bond	-----	Skogman/CGA
SU-442-3121	Autumn Ridge 8th Addition	New Subdivision	Maintenance Bond	-----	BNKD Inc. Shoff Engineering
SU-282-1904	Gateway Business Park	New Subdivision	Maintenance Bond	-----	Shive Hattery Baker Construction
SU-445-3021	Greenhill Village Estates	New Subdivision	Maintenance Bond	-----	Nelson Construction & Development
SU-345-3186	Park Ridge Estates	New Subdivision	Maintenance Bond	-----	Brian Wingert CGA
SU-379-3207	Pheasant Hollow 7th Addition	New Subdivision	Maintenance Bond	-----	CGA
SU-197-3134	Prarie Winds 4th Addition	New Subdivision	Maintenance Bond	-----	Brian Wingert CGA
SU-168-3187	Prarie Winds 5th Addition	New Subdivision	Maintenance Bond	-----	Brian Wingert CGA
SU-173-3138	Sands Addition	New Subdivision	Maintenance Bond	-----	Jim Sands/VJ
SU-217-3193	Western Homes 9th Addition	New Subdivision	Maintenance Bond	-----	Claassen/Western Homes
SU-445-3020	Wild Horse 4th Addition	New Subdivision	Maintenance Bond	-----	Skogman/CGA
SU-440-3239	Autumn Ridge 9th Addition	New Subdivision	Preliminary Plat	-----	CGA
SU-184-3160	Greenhill Village Townhomes II	New Subdivision	Preliminary Plat	-----	Panther Farms/CGA
TBD	West Fork Crossings	New Subdivision	Preliminary Plat	-----	ISG

**ENGINEERING DIVISION  
COMMERCIAL CONSTRUCTION MONTHLY REPORT - FEBRUARY 2022**

<i>Project</i>	<i>Description</i>	<i>SWPPP Status</i>	<i>Detention Calcs Status</i>	<i>Developer/ Engineer</i>	<i>Project Status</i>
918 Viking Road	918 Viking Road	Under Review	Approved	Final Out Remains	Active
Creekside Condos	-----	Under Review	Approved	Fehr Graham Engineering	Under Review
Ridge Development Dupaco CCU	126 Brandilynn Blvd	Approved	Approved	CGA	Active
River Rec Area and Bank Improvements	-----	Under Review	Approved	City of Cedar Falls	Under Review
Willow Falls Addition	Bluegrass Circle	Under Construction	Approved	VJ Engineering Brent Dahlstrom	Active
Greenhill Village Estates	4705 Algonquin Drive	Approved	Approved	Axiom	Active

# Department of Public Works

## Operations and Maintenance Division

### Monthly Report for February 2022

#### Streets Section:

- Snow and ice control operations were conducted as needed throughout the month
- Cleared blockages from the University Branch of Dry Run Creek
- Performed removal of overgrowth in several areas of the City
- Staff attended a work zone safety workshop
- Pothole repair was performed as needed

#### Traffic Operations:

- 101 traffic control signs were repaired or replaced
- 21 minor upgrades were made to signalized intersections
- Adjusted signal timing at eight (8) intersections
- Working on an LED light conversion at the Public Works Truck Storage
- Attended training associated with traffic operations

#### Fleet Maintenance:

- 967 transactions were recorded through the City's fuel dispensing sites
- Used 12,117 gallons of fuel (5,601 ethanol, 6,516 diesel)
- 131 work orders were processed through the fleet section for the month
- Maintained all city fleet as normal for the month
- Up fitting of new police cruisers took place

#### Public Buildings:

- Roof drain repairs were made at the Recreation Center
- Work with City Hall remodel team to address project related issues

#### Parks:

- Installed roof structures on drop toilets at Big Woods and Prairie Lakes
- Repaired parks signs and picnic tables
- Maintenance of ice rink took place on a routine basis
- Snow and ice control was performed on City streets, around public property and recreation trails

#### Cemetery:

- Performed ten (10) interments – Four (4) Saturday services
- Four (4) spaces were sold in Fairview Cemetery

#### Refuse:

- 533 tons of residential solid waste was collected. Total of 544 three yard container dumps were recorded. Crews responded to 41 residential bulk item collections
- Crews collected .25 tons of yard waste from curbside cart collection
- The Transfer Station hauled 61 loads of solid waste to the Black Hawk County Landfill totaling 835 tons.
- A total of 100 tons of household recyclable material was collected for the month

DEPARTMENT OF PUBLIC WORKS  
WATER RECLAMATION DIVISION  
MONTHLY REPORT - FEBRUARY 2022

PLANT OPERATIONS

Plant performance was very good for the month of February. All permit requirements were met for the month.

PROJECTS

The annual biosolids report was filed in February. This report is required to be submitted to the USEPA and IDNR annually by February 19<sup>th</sup>. Updates to the WRF *Biosolids Land Application Plan* were completed as well.

INDUSTRIAL PRETREATMENT

The annual Pretreatment Report was submitted to the Iowa DNR as required. Only one non-compliance violation was noted for 2020. This was a minor violation related to errors in sampling.

BIOSOLIDS

We cycled 208,000 gallons of liquid biosolids out of the plant to local area farm fields in February. An additional 111,000 gallons were processed and dried for disposal later.

There were 1.4 tons of inorganic materials hauled to the landfill during February.

SANITARY SEWER COLLECTION SYSTEM CALLS AND SERVICE

There were two calls concerning sanitary sewer problems in February. No issues were found in the City main.

There was one issue at a lift stations that required staff to come in after hours. No serious issues were found and the problem was resolved quickly.

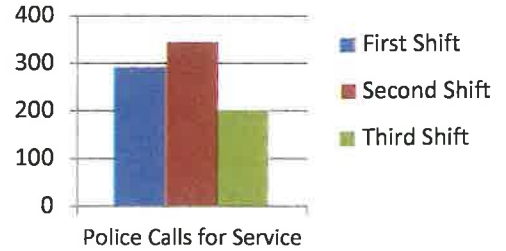
Crews cleaned approximately 5,800 feet of sanitary sewer lines in February.

Crews processed eighty two (82) requests to locate sewers in construction areas for the Iowa One Call system. Forty one (41) were pertinent and actually required a locate.

**DEPARTMENT OF PUBLIC SAFETY  
MONTHLY REPORT  
FEBRUARY 2022**

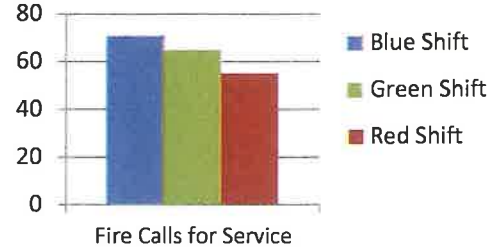
**CEDAR FALLS POLICE**

<u>Police Statistics</u>	First Shift	Second Shift	Third Shift
Calls for Service	292	344	202
Traffic Stops	97	250	199
Arrests	6	23	27
Accidents	37	49	6



**CEDAR FALLS FIRE**

<u>Fire Statistics</u>	Blue Shift	Green Shift	Red Shift
Calls for Service	71	65	55
Fire	3	0	4
Rescue/Medical	47	41	38
Service Call	5	7	2
Good Intent	4	5	3
False Alarm/Call	11	10	5
Hazardous Condition	1	2	3



**POLICE CALLS FOR SERVICE**

Type of Incident (Monthly)	Jan '22	Feb '22	Mar '22	Apr '22	May '22	Jun '22	Jul '22	Aug '22	Sep '22	Oct '22	Nov '22	Dec '22
Group A Serious Crimes	108	100										
Group B Other Crimes	74	52										
Traffic Accidents	98	113										
Other Calls	1582	1127										
CFS Totals	1862	1478										

Type of Incident (per year)	2014	2015	2016	2017	2018	2019	2020	2021	2022
Group A Serious Crimes	1570	1468	1469	1702	1467	1437	1407	1681	
Group B Other Crimes	620	674	579	613	683	661	565	745	
Traffic Accidents	708	734	790	720	774	613	228	1030	
Other Calls	15,421	13,828	12,573	13,244	13,936	14,819	14,590	15,856	
CFS Totals	18,319	16,704	15,411	16,279	16,860	17,530	16,790	19,312	

**FIRE RESCUE CALLS FOR SERVICE**

Type of Incident (Monthly)	Jan '22	Feb '22	Mar '22	Apr '22	May '22	Jun '22	Jul '22	Aug '22	Sep '22	Oct '22	Nov '22	Dec '22
Medical & Rescue	133	126										
Cancelled, False Alarms, Good Intent	41	38										
Fire, Heat, Hazard, Weather Related & Other	28	27										
Totals	202	191										

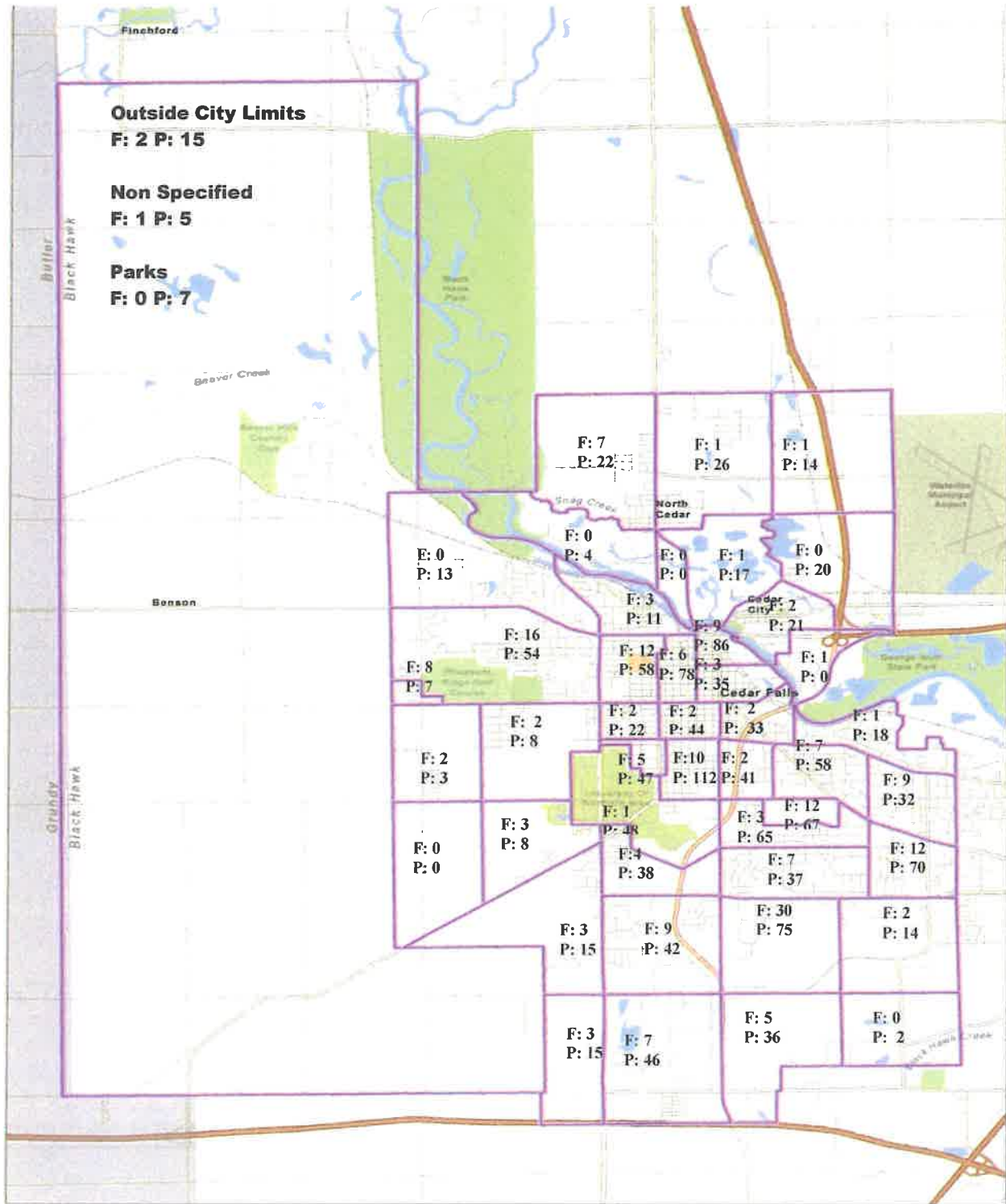
Type of Incident (per year)	2014	2015	2016	2017	2018	2019	2020	2021	2022
Non-Medical CFS	948	840	911	900	772	841	783	758	
Rescue / EMS Related	1051	1367	1570	1437	1022	1272	1328	1541	
Totals	1999	2207	2481	2337	1794	2113	2111	2299	

**POLICE STATISTICS:**

	<u>February 2022</u>	<u>Total 2022</u>
<b>Group A Crimes</b>		
Murder/NonNeg Manslaughter	1	1
Kidnapping/Abduction	1	1
Forcible Rape/Sodomy/Fondling	6	11
Robbery	0	1
Assault	17	34
Arson	0	0
Extortion/Blackmail	0	0
Burglary/B&E	4	14
Theft	28	73
Motor Vehicle Theft	2	5
Counterfeit/Forgery	3	6
Fraud	10	29
Embezzlement	0	0
Stolen Property	1	3
Vandalism	15	29
Drug Offenses	12	23
Porno/Obscene Material	0	0
Op/Pro/Asst. Gambling	0	0
Weapon Law Violation	0	2
<b>Group B Crimes</b>		
Bad Checks	0	0
Disorderly Conduct	2	5
Driving Under Influence	20	35
Drunkenness	11	25
Non-Violent Family Offense	0	0
Liquor Law Violation	1	2
Runaway	2	2
Trespassing	1	5
All Other Offenses	15	35
Group A Total:	100	232
Group B Total:	52	109
Total Reported Crimes:	152	341
<b>Traffic Accidents</b>		
Fatality	0	0
Personal Injury	7	0
Hit and Run	21	0
Property Damage	68	0
Parked Vehicle	0	0
Total reported Accidents	0	0
<b>Driving Offenses</b>		
Driving While License Barred	0	0
Driving While Denied/Cancelled/Suspended/Revoked	0	0
Eluding	0	0
Total Driving Offenses	0	0
Alcohol/Tobacco Violations	11	22
Calls for Service	1,478	3,642
Total Arrests	55	148

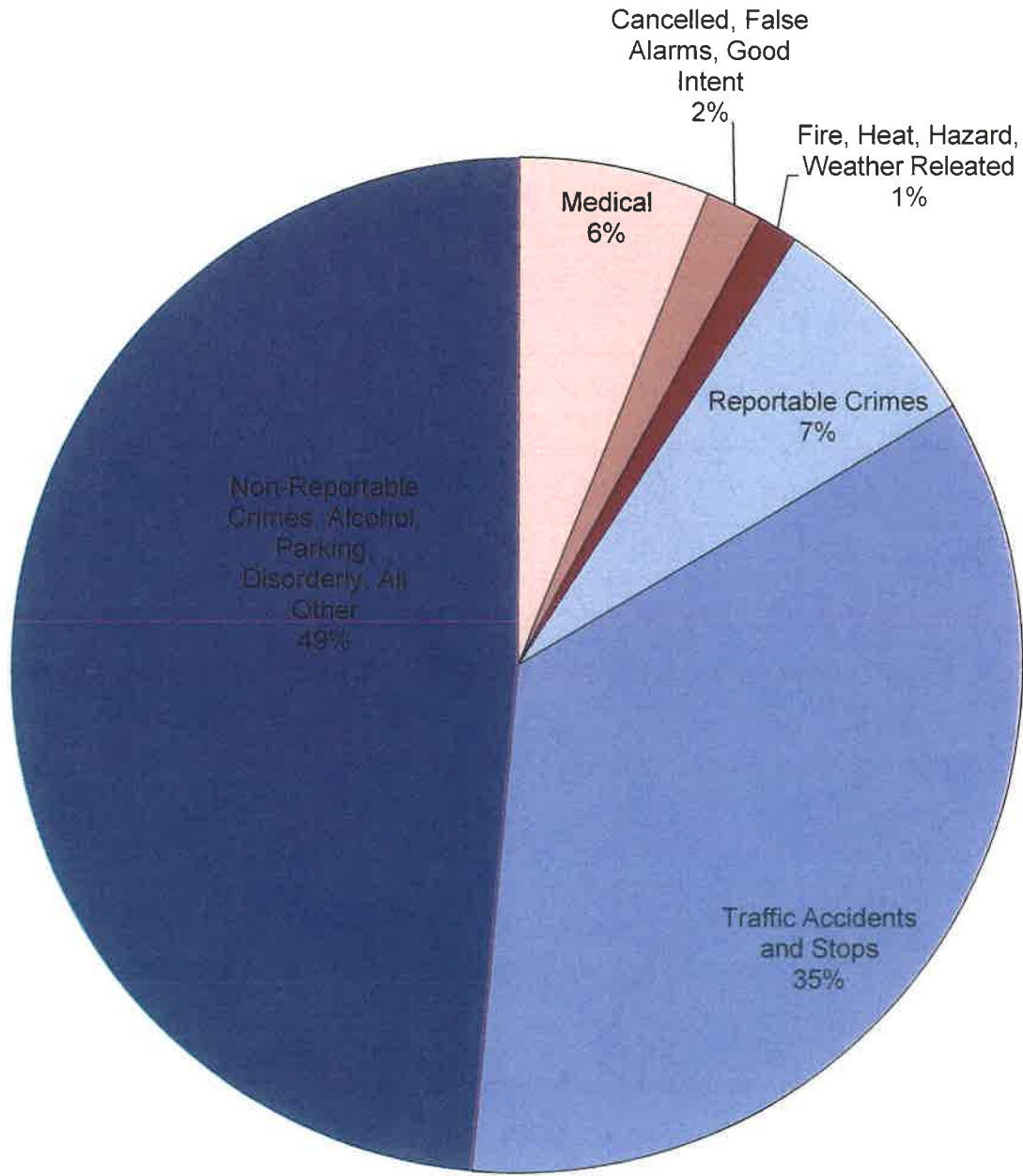


# Cedar Falls Public Safety Grid Map





### Cedar Falls Public Safety Experience Survey (January)



FIRE



POLICE



**DEPARTMENT OF PUBLIC SAFETY SERVICES**

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

319-273-8612

**MEMORANDUM**

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**To:** Mayor Green and City Councilmembers  
**From:** Craig Berte, Acting Public Safety Services Director  
Mark Howard, Acting Police Chief  
**Date:** March 28, 2022  
**Re:** Beer/Liquor License Applications

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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) Godfather's Pizza, 1621 West 1st Street, Class B beer - renewal.
- b) Luxe Nail Bar, 5907 University Avenue, Class C liquor - renewal.
- c) Mary Lou's Bar & Grill, 2719 Center Street, Class C liquor & outdoor service - renewal.
- d) Bani's, 2128 College Street, Class E liquor – renewal.
- e) Amvets, 1934 Irving Street, Class A liquor & outdoor service - temporary expansion of outdoor service area.


**DEPARTMENT OF COMMUNITY DEVELOPMENT**

City of Cedar Falls  
 220 Clay Street  
 Cedar Falls, Iowa 50613  
 Phone: 319-273-8600  
 Fax: 319-268-5126  
[www.cedarfalls.com](http://www.cedarfalls.com)

**MEMORANDUM**  
*Administration Division*

**TO:** Mayor Green & City Council  
**FROM:** Stephanie Houk Sheetz, Director of Community Development  
**DATE:** March 28, 2022  
**SUBJECT:** Public Access Agreements from River Place Properties, LC  
 Pursuant to Amendment #3 of the Development Agreement

In July 2012, the City of Cedar Falls and River Place Properties, LC entered into an Agreement for Private Development pertaining to a mixed use development along State Street (200-300 blocks), E 2<sup>nd</sup> St., and the property formerly known as the Broom Factory site. Due to the scope and complexity of this project, there have been several amendments to the agreement that extended the timeline for improvements, updated the Master Plan, clarified elements in the agreements, and most recently on April 5, 2021 extended the timeframe of the agreement an additional ten years but also reduced the total incentive from \$15,000,000 to \$10,000,000. River Place has been a significant development for the downtown. Since the start of this project, the City has had other redevelopment projects downtown. It has been a catalyst project.

The third amendment included an agreement to donate and provide several public access agreements: 1) a full and unconditional public access easement across the Plaza parcel (Lot 3 of River Place Third Addition), 2) full and unconditional public access easements along the sidewalks of 200 and 300 State Street, and 3) a public access easement to the restrooms during events open to the public.

The Community Development Department recommends approving the four easements attached to fulfill the requirements of the Third Amendment to the River Place Developmental Agreement. Please contact me with any questions.

xc: Karen Howard, Planning & Community Services Manager  
 Shane Graham, Economic Development Coordinator

Prepared by & Return to: Charles P. Augustine, 531 Commercial St., Ste. 250, Waterloo, IA 50701 (319) 232-3304

**PERMANENT PUBLIC ACCESS EASEMENT**

River Place Properties, LC, an Iowa limited liability company (hereinafter "Grantor"), and the City of Cedar Falls, Iowa (hereinafter the "City"), do hereby execute this easement agreement this date as set forth below.

WITNESSETH:

WHEREAS, Grantor is the titleholder to Lot 3, RIVER PLACE 3<sup>rd</sup> ADDITION, City of Cedar Falls, Black Hawk County, Iowa (hereinafter the "Lot 3"); and

WHEREAS, Grantor and the City are the parties to one certain Agreement for Private Development dated July 16, 2012, as amended (hereinafter the "Development Agreement"); and

WHEREAS, the Development Agreement requires the completion of certain improvements on Lot 3 and requires that Grantor provide a permanent easement for public access to portions of the Lot 3.

NOW THEREFORE, for valuable consideration received, the parties agree as follows:

1. Grantor does hereby give, grant and convey to the general public a permanent non-exclusive easement over, along and across all of Lot 3 (hereinafter the "Easement Premises"), for purposes of providing public access to and across Lot 3.

2. No structures shall be constructed, erected or placed upon the surface of the Easement Premises that would materially impair the normal use of the easement for the purposes set forth herein.

3. The easement created by this agreement shall be deemed to run with the land and shall be binding upon Grantor and its successors and assigns.

4. The parties acknowledge that persons benefitted by and using the easement premises do so entirely at their own risk and that neither party may charge for access as contemplated by this agreement. The parties further agree that the granting of the easement in this agreement does not create any obligation on the part of the City to maintain or repair the easement premises.


Dated this 14<sup>th</sup> day of March, 2022.

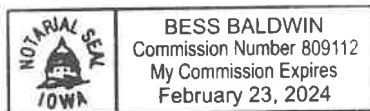
**RIVER PLACE PROPERTIES, LC,**  
an Iowa limited liability company

By:   
\_\_\_\_\_  
Mark Kittrell  
Managing Member

**STATE OF IOWA, BLACK HAWK COUNTY, ss:**

This instrument was acknowledged before me on this 14<sup>th</sup> day of March, 2022, by Mark Kittrell, as Managing Member of River Place Properties, LC.

  
\_\_\_\_\_  
Notary Public in and for the State of Iowa



ACCEPTANCE OF EASEMENT AGREEMENT

The City of Cedar Falls, Iowa, does hereby accept and approve this agreement and intends to be legally bound by its terms.

Dated this \_\_\_\_ day of \_\_\_\_\_, 2022.

CITY OF CEDAR FALLS, IOWA

By: \_\_\_\_\_  
Robert M. Green, Mayor

ATTEST:

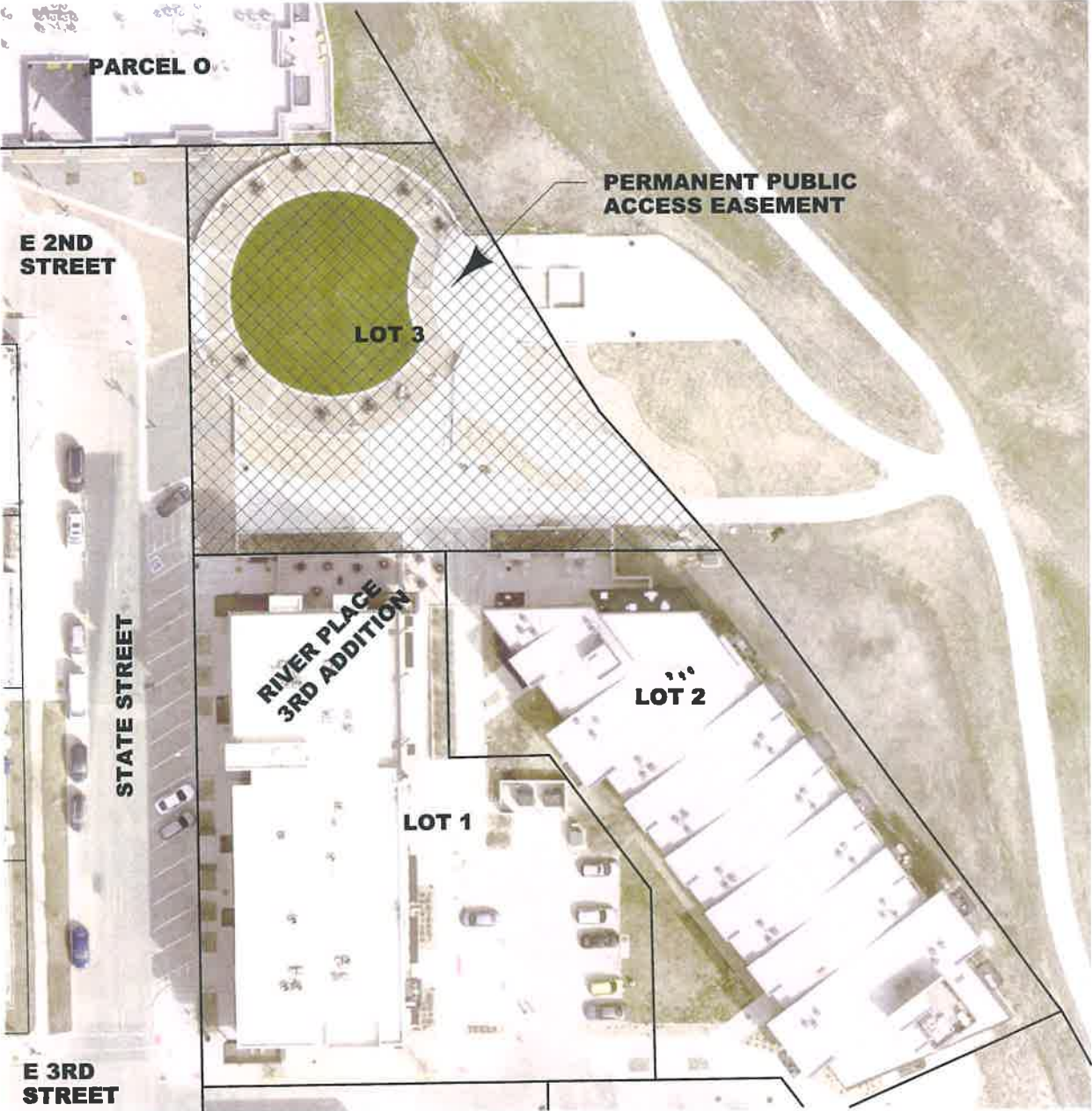
\_\_\_\_\_  
Jacqueline Danielsen, MMC, City Clerk

**STATE OF IOWA, BLACK HAWK COUNTY, ss:**

This instrument was acknowledged before me on this \_\_\_\_ day of \_\_\_\_\_, 2022, 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

**EXHIBIT  
PERMANENT PUBLIC ACCESS EASEMENT  
OVER, ALONG AND ACROSS ALL OF LOT 3,  
RIVER PLACE 3RD ADDITION,  
CEDAR FALLS, IOWA**



Prepared by & Return to: Charles P. Augustine, 531 Commercial St., Ste. 250, Waterloo, IA 50701 (319) 232-3304

**PERMANENT PUBLIC ACCESS EASEMENT**

State Street Residences, LC, an Iowa limited liability company (hereinafter "Grantor"), and the City of Cedar Falls, Iowa (hereinafter the "City"), do hereby execute this easement agreement this date as set forth below.

WITNESSETH:

WHEREAS, Grantor is the titleholder to Parcel L of the Minor Plat of River Place 1<sup>st</sup> Addition, filed as Doc. No. 2013-00025087, being a part of Lot 1, River Place 1<sup>st</sup> Addition, City of Cedar Falls, Black Hawk County, Iowa (hereinafter "Parcel L"); and

WHEREAS, the development of Parcel L is subject to one certain Agreement for Private Development dated July 16, 2012, as amended (hereinafter the "Development Agreement"); and

WHEREAS, the Development Agreement requires the provision of a permanent easement for public access over, along and across a portion of Parcel L.

NOW THEREORE, for valuable consideration received, the parties agree as follows:

1. Grantor does hereby give, grant and convey to the general public a permanent easement over, along and across West 20 feet of Parcel L (hereinafter the "Easement Premises") for purposes of use as a sidewalk including all uses allowed on public sidewalks. Said public access



is for ingress and egress over, across and along said Easement Premises.

2. No structures shall be constructed, erected or placed upon the surface of the Easement Premises that would materially impair the normal use of the easement for the purposes set forth herein.

3. The easement created by this agreement shall be deemed to run with the land and shall be binding upon Grantor and its successors and assigns.

4. The parties acknowledge that persons benefitted by and using the easement premises do so entirely at their own risk and that neither party may charge for access as contemplated by this agreement. The parties further agree that the granting of the easement in this agreement does not create any obligation on the part of the City to maintain or repair the easement premises.

Dated this 14th day of March, 2022.

**STATE STREET RESIDENCES, LC,**  
an Iowa limited liability company


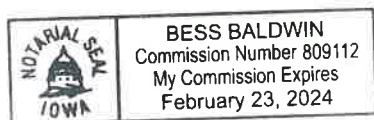
By:



Mark Kittrell  
Managing Member

**STATE OF IOWA, BLACK HAWK COUNTY, ss:**

This instrument was acknowledged before me on this 14th day of March, 2022, by Mark Kittrell, as Managing Member of State Street Residences, LC.

  
Notary Public in and for the State of Iowa

ACCEPTANCE OF EASEMENT AGREEMENT

The City of Cedar Falls, Iowa, does hereby accept and approve this agreement and intends to be legally bound by its terms.

Dated this \_\_\_\_ day of \_\_\_\_\_, 2022.

CITY OF CEDAR FALLS, IOWA

By: \_\_\_\_\_  
Robert M. Green, Mayor

ATTEST:

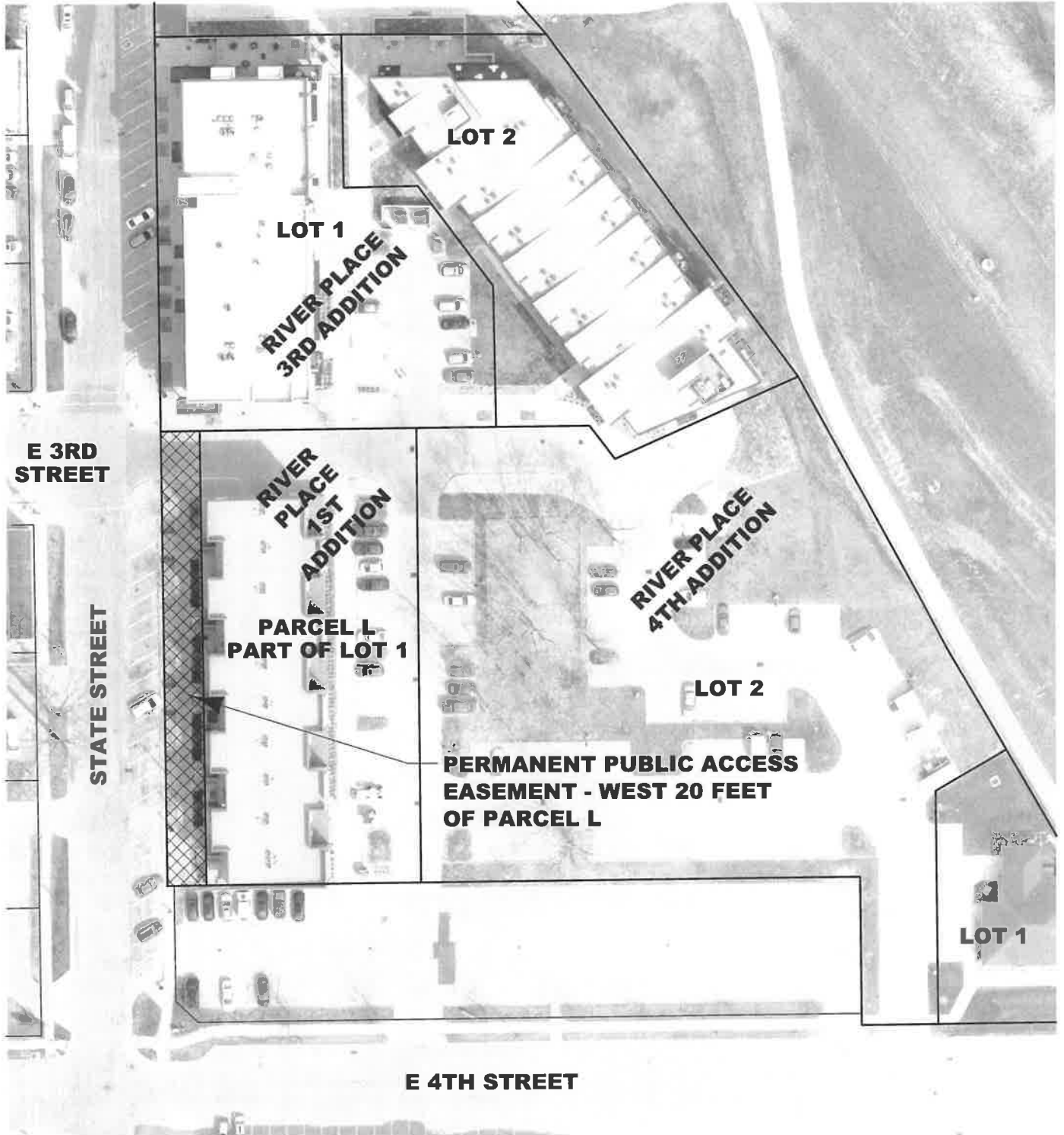
\_\_\_\_\_  
Jacqueline Danielsen, MMC, City Clerk

**STATE OF IOWA, BLACK HAWK COUNTY, ss:**

This instrument was acknowledged before me on this \_\_\_\_ day of \_\_\_\_\_, 2022, 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

**EXHIBIT  
PERMANENT PUBLIC ACCESS EASEMENT  
OVER, ALONG AND ACROSS THE WEST 20 FEET  
OF PARCEL L, BEING PART OF LOT 1,  
RIVER PLACE 1ST ADDITION,  
CEDAR FALLS, IOWA**



Prepared by & Return to: Charles P. Augustine, 531 Commercial St., Ste. 250, Waterloo, IA 50701 (319) 232-3304

### **PERMANENT PUBLIC ACCESS EASEMENT**

State Street Mixed Use, LC, an Iowa limited liability company (hereinafter "Grantor"), and the City of Cedar Falls, Iowa (hereinafter the "City"), do hereby execute this easement agreement this date as set forth below.

WITNESSETH:

WHEREAS, Grantor is the titleholder to Lot 1 in River Place 3<sup>rd</sup> Addition, in the City of Cedar Falls, Black Hawk County, Iowa (hereinafter "Lot 1"); and

WHEREAS, the development of Lot 1 is subject to one certain Agreement for Private Development dated July 16, 2012, as amended (hereinafter the "Development Agreement"); and

WHEREAS, the Development Agreement requires the provision of a permanent easement for public access over, along and across a portion of Lot 1.

NOW THEREFORE, for valuable consideration received, the parties agree as follows:

1. Grantor does hereby give, grant and convey to the general public a permanent non-exclusive easement over, along and across the West 15 feet of Lot 1 (hereinafter the "Easement Premises") for purposes of use as a sidewalk including all uses allowed on public sidewalks. Said public access is for ingress and egress over, across and along said Easement Premises.

2. No structures shall be constructed, erected or placed upon the surface of the Easement Premises that would materially impair the normal use of the easement for the purposes set forth herein.

3. The easement created by this agreement shall be deemed to run with the land and shall be binding upon Grantor and its successors and assigns.

4. The parties acknowledge that persons benefitted by and using the easement premises do so entirely at their own risk and that neither party may charge for access as contemplated by this agreement. The parties further agree that the granting of the easement in this agreement does not create any obligation on the part of the City to maintain or repair the easement premises.

Dated this 4th day of March, 2022.

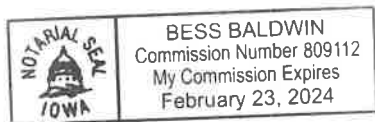
**STATE STREET MIXED USE, LC,**  
an Iowa limited liability company

By: [Signature]  
Mark Kittrell  
Managing Member

**STATE OF IOWA, BLACK HAWK COUNTY, ss:**

This instrument was acknowledged before me on this 4th day of March, 2022, by Mark Kittrell, as Managing Member of State Street Mixed Use, LC.

[Signature]  
Notary Public in and for the State of Iowa



ACCEPTANCE OF EASEMENT AGREEMENT

The City of Cedar Falls, Iowa, does hereby accept and approve this agreement and intends to be legally bound by its terms.

Dated this \_\_\_\_ day of \_\_\_\_\_, 2022.

CITY OF CEDAR FALLS, IOWA

By: \_\_\_\_\_  
Robert M. Green, Mayor

ATTEST:

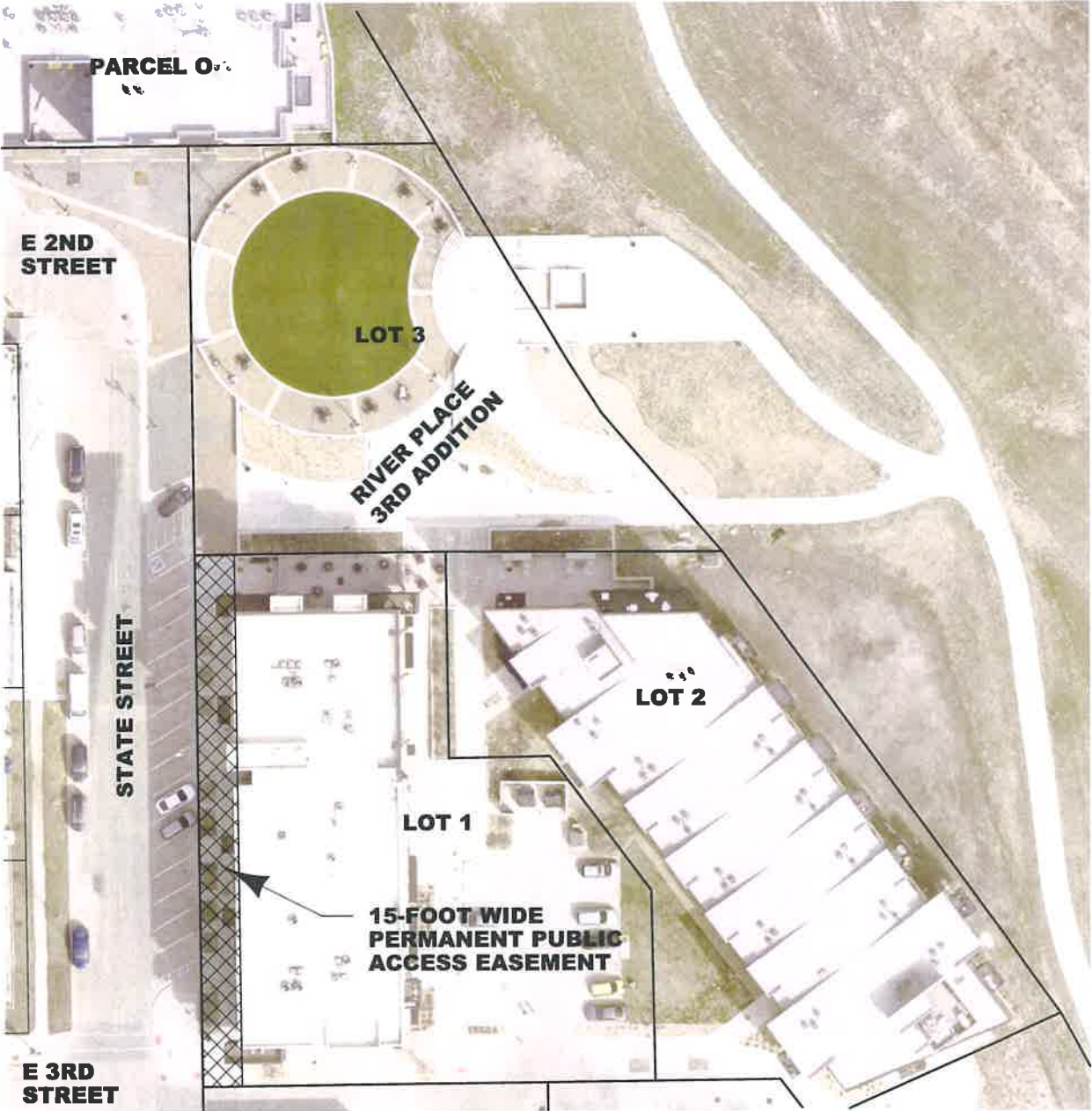
\_\_\_\_\_  
Jacqueline Danielsen, MMC, City Clerk

**STATE OF IOWA, BLACK HAWK COUNTY, ss:**

This instrument was acknowledged before me on this \_\_\_\_ day of \_\_\_\_\_, 2022, 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

**EXHIBIT  
PERMANENT PUBLIC ACCESS EASEMENT  
OVER, ALONG AND ACROSS THE WEST 15 FEET  
OF LOT 1, RIVER PLACE 3RD ADDITION,  
CEDAR FALLS, IOWA**



Prepared by & Return to: Charles P. Augustine, 531 Commercial St., Ste. 250, Waterloo, IA 50701 (319) 232-3304

### **PERMANENT PUBLIC ACCESS EASEMENT**

State Street Mixed Use II, LC, an Iowa limited liability company (hereinafter "Grantor"), and the City of Cedar Falls, Iowa (hereinafter the "City"), do hereby execute this easement agreement this date as set forth below.

WITNESSETH:

WHEREAS, Grantor is the titleholder to Parcel "O" of River Place 3<sup>rd</sup> Addition Lot 4 Minor Plat, in the City of Cedar Falls, Black Hawk County, Iowa, according to the plat of survey filed June 29, 2018, as Doc. No. 2018-00021623, being a part of Lot 4 in River Place 3<sup>rd</sup> Addition, Cedar Falls, Black Hawk County, Iowa (hereinafter "Parcel O"); and

WHEREAS, there exists on Parcel O a building that contains restrooms near the southeast corner of said building with outdoor access (hereinafter the "Restrooms"); and

WHEREAS, Parcel O and the Restrooms lie adjacent and to the north of a plaza situated on Lot 3, River Place 3<sup>rd</sup> Addition, City of Cedar Falls, Black Hawk County, Iowa (hereinafter the "Plaza"), which Plaza is intended, in part, for public use and use in conjunction with various events to which the general public will have access; and

WHEREAS, Grantor desires to grant to the general public a non-exclusive easement over, across and along a limited portion of Parcel O to allow for the public to access the Restrooms when an event open to the public is being held on the Plaza.



NOW THEREORE, for valuable consideration received, the parties agree as follows:

1. Grantor does hereby give, grant and convey to the general public a permanent non-exclusive easement over, along and across the area labeled on the attached Exhibit A as "Limited Portion" of Parcel O to provide the general public with access to the Restrooms at times when an event open to the public is being held on the Plaza (hereinafter the "Easement Premises"). Notwithstanding any other provision herein to the contrary, the Easement provisions contained herein shall not be construed so as to afford any easement or other rights as to any portion outside of the Limited Portion of Parcel O.

2. The easement created by this agreement shall be deemed to run with the land and shall be binding upon Grantor and its successors and assigns.

3. The parties acknowledge that persons benefitted by and using the easement premises do so entirely at their own risk and that neither party may charge for access as contemplated by this agreement. The parties further agree that the granting of the easement in this agreement does not create any obligation on the part of the City to maintain or repair the easement premises, nor the Restrooms themselves.

Dated this 14<sup>th</sup> day of March, 2022.

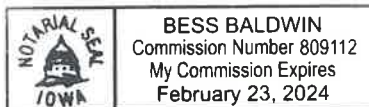
STATE STREET MIXED USE II, LC,  
an Iowa limited liability company

By: [Signature]  
Mark Kittrell  
Managing Member

STATE OF IOWA, BLACK HAWK COUNTY, ss:

This instrument was acknowledged before me on this 14<sup>th</sup> day of March, 2022, by Mark Kittrell, as Managing Member of State Street Mixed Use II, LC.

[Signature]  
Notary Public in and for the State of Iowa



ACCEPTANCE OF EASEMENT AGREEMENT

The City of Cedar Falls, Iowa, does hereby accept and approve this agreement and intends to be legally bound by its terms.

Dated this \_\_\_\_ day of \_\_\_\_\_, 2022.

CITY OF CEDAR FALLS, IOWA

By: \_\_\_\_\_  
Robert M. Green, Mayor

ATTEST:

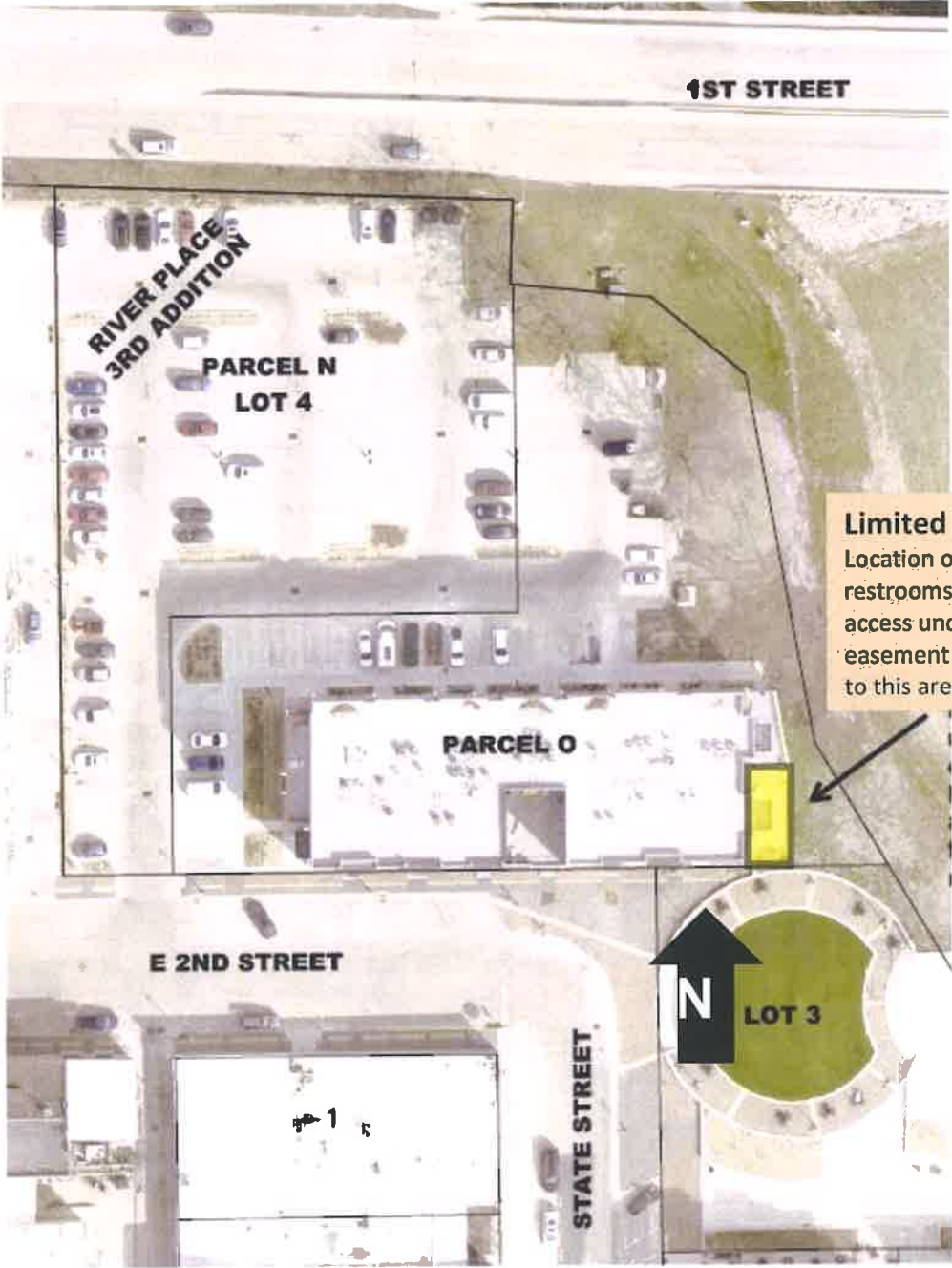
\_\_\_\_\_  
Jacqueline Danielsen, MMC, City Clerk

**STATE OF IOWA, BLACK HAWK COUNTY, ss:**

This instrument was acknowledged before me on this \_\_\_\_ day of \_\_\_\_\_, 2022, 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

**EXHIBIT A  
RESTROOM EASEMENT LOCATION**



**Limited Portion**  
Location of public restrooms. Public access under this easement restricted to this area.



**MEMORANDUM**

ADMINISTRATION DIVISION  
2200 TECHNOLOGY PKWY  
CEDAR FALLS, IOWA 50613  
319-273-8629  
FAX 319-273-8632

OPERATIONS AND  
MAINTENANCE DIVISION  
2200 TECHNOLOGY PKWY  
319-273-8629  
FAX 319-273-8632

**TO:** Mayor Rob Green and City Council  
**FROM:** Brian Heath, Oper./Maint. Division Manager  
**DATE:** March 15, 2022  
**SUBJECT:** Equipment Purchase

As you may recall back in January, the public works department was unsuccessful in receiving any bids for a dump truck chassis due to industry wide supply shortages. At that time, bids for the components, including the box, plow; material spreader and hydraulic system were received and approved for purchase. Recently, a second attempt for bid requests was sent to three chassis vendors with two positive responses received.

Following is a summation of those bids;

Truck Center Companies (Freightliner)	No Bid
Truck Country (Freightliner)	\$85,964.00
Thompson Truck & Trailer (International)	\$95,365.00

The bid received from Truck Country in the amount of \$85,964.00 was in order and the lowest bid received. The estimated delivery time frame is during the third quarter of calendar year 2023. Unfortunately, due to ongoing supply issues, this delayed delivery schedule is currently common for vocational trucks.

To remain as close as possible to the vehicle replacement schedule, the public works department is recommending moving forward with approving a resolution authorizing expenditure of funds for the purchase of said equipment from Truck Country in the amount of \$85,964.00. The expenditure will be paid from Street Construction Funds.

Please feel free to contact me if you have questions or concerns.

CC: Chase Schrage, Public Works Director



**PUBLIC WORKS DEPARTMENT**

**City of Cedar Falls  
2200 Technology Parkway  
Cedar Falls, Iowa 50613**

**MEMORANDUM**

*Water Reclamation Division*

**TO:** Honorable Mayor Robert M. Green and City Council Members

**FROM:** Mike Nyman, Manager, Water Reclamation Division

**DATE:** March 21, 2022

**RE:** Generator Purchase

The Water Reclamation Division of Public Works has lift stations that do not have a permanent generator in place. Large portable generators are needed during times of power loss to avoid sanitary sewer back-ups and overflows. The purchase of a generator, in the amount of \$60,000, was added to the CIP for FY22.

The following quotes from three manufacturers were received:

- Star Equipment – Generac MMG55DF4.....\$43,805.00
- Altorfer – Caterpillar XQ60 ..... \$48,910.00
- Black Hawk Rental – Doosan G70WDO..... \$52,931.79

I am requesting the approval of the purchase of the Generac MMG55DF4. There will be additional costs for the setup of this generator for use at specific lift stations. This will include such items as connections at stations. These costs are expected to be less than \$1000. This cost would also come from the CIP budgeted item.

If you have any questions about these items, feel free to contact me.

CC: Chase Schrage, Public Works Director



**QUOTATION**  
**STAR EQUIPMENT LTD**  
 CONSTRUCTION EQUIPMENT DISTRIBUTORS  
 SALES-SERVICE-RENTAL



1401 2<sup>nd</sup> Avenue, Des Moines, IA 50314 515/283-2215 \* 800/369-2215 \* Fax 515/283-0295  
 2950 6<sup>th</sup> Street SW, Cedar Rapids, IA 52404 319/365-5139 \* 800/728-5139 \* Fax 319/365-6726  
 2625 W Airline Hwy, Waterloo, IA 50703 319/236-6830 \* 800/791-9249 \* Fax 319/236-6834  
 2100 E. Lincoln Way, Ames, IA 50010 515/233-9500 \* Fax 515/233-9505

**Acct 12070**

Chris Robinson  
 City of Cedar Falls  
 2200 Technology Parkway  
 Cedar Falls, IA 50613

Quote: 22134 Revised  
 Date: 03-02-2022  
 Email:  
 Phone: 319-404-4867

QTY	Description	Municipal Price
1	<b>New Generac MMG55DF4 Mobile Large Diesel Generator:</b> <ul style="list-style-type: none"> <li>• 55kVA Output – 1-phase/3-phase – 60 Hertz</li> <li>• Phase Selector Switch:4 POS – 480/208/240V 3-phase, 240v 1-phase</li> <li>• 67hp John Deere Diesel Engine w/ Block Heater &amp; 100g Tank</li> <li>• Trailer Mounted – Single Axle, Surge Brakes, 2” Adjustable Ball Hitch &amp; Flat 4 to Round 7 Spade &amp; LED Lights – 3905lb Weight</li> <li>• All Standard Equipment plus: Digital Controls, Convenience Receptacles, Fuel Filter Heater, 720CCA Wet Cell Battery w/ Disconnect, Control Panel &amp; Interior Cabinet Lights</li> </ul>	\$41,705.00

FOB Point: Waukesha, WI	<i>Sub Total</i>	\$41,705.00
Terms Due Upon Receipt of Invoice	PDI	\$600.00
	7% Sales Tax	Tax Exempt
	<i>Sub Total</i>	\$42,305.00
	Freight	\$1,500.00
	<b>Total</b>	<b>\$43,805.00</b>

Estimated delivery after receipt of order October 2022 .  
 Quotation for acceptance within 10 days.

**Subject to Prior Sale and**  
 Management Approval  
**STAR EQUIPMENT, LTD**

By \_\_\_\_\_ Date \_\_\_\_\_

Territory: 55  
 By Brad Tholen (319) 350-7197



**ALTORFER**  
Power Systems



1967 YEARS 2017

2550 6th St. SW • Cedar Rapids, IA 52404-3504 • Phone: 319/365-6500 • Fax: 319/365-5493

Ref #: 22DH-31026488

Page 6 of 6

Availability:

Determined after approved release. Equipment submittal time is to be negotiated.

Exceptions & Clarifications:

Quotation is based on the information provided. If actual job site conditions/local codes require a change in BOM, all such changes will be quoted and billed accordingly.

*\* Please note, accommodations for 3/240V loads available via 208V voltage boost at control panel.  
Optional pricing can be offered If 3/120/240V delta is required.*

**Total price for these product and services:**

**48kW OPTION**

One (1) new Caterpillar model XQ60 diesel engine generator set rated at 48kW prime, selectable voltage, (120/208V, 277/480V, 1/120/240V, 3/240V\*, 60 Hz, 1800 RPM, with weatherproof/sound attenuated enclosure, fuel tank base, trailer mounted with electric brakes, equipped per attached bill of materials, startup, and training included.

**\$48,910.00** (Plus tax) FOB: Jobsite Tailgate

**100kW OPTION\$**

One (1) new Caterpillar model XQ125 diesel engine generator set rated at 100kW prime, selectable voltage, (120/208V, 277/480V, 1/120/240V, 3/240V\*, 60 Hz, 1800 RPM, with weatherproof/sound attenuated enclosure, fuel tank base, trailer mounted with electric brakes, equipped per attached bill of materials, startup, and training included.

**\$73,460.00** (Plus tax) FOB: Jobsite Tailgate

ADDER: provides 3/120/240V Delta (price available upon request)

ACCEPTANCE:

\_\_\_\_\_  
(Customer Signature)

DATE: \_\_\_\_\_

ALTORFER POWER SYSTEMS

David Allan Harris

Phone: (319) 361-9321

Email: [david.harris@altorfer.com](mailto:david.harris@altorfer.com)

Sales, Electric Power Generation

Should you have any questions or comments on this matter, please do not hesitate to contact us. This information is intended only for the use of the individual or entity to which it is addressed and may contain information that is privileged, confidential and exempt from disclosure under applicable law. No waiver of applicable privilege and/or protection against disclosure is intended. If you are not the intended recipient, you are hereby notified that any use of, dissemination, distribution or copy of this communication is strictly prohibited. If you receive this communication in error, please notify us immediately by telephone so that we can arrange return of the original message to us at no cost to you.

ALTORFER CAT • 23 STORES • IOWA • ILLINOIS • INDIANA • MISSOURI

Bartonville IL • Bettendorf IA • Cedar Falls IA • Cedar Rapids IA • Champaign IL • Clinton IL  
Decatur IL • Dix IL • Dubuque IA • Dwight IL • East Peoria IL • Elmhurst IL • Hammond IN • Joliet IL • Oglesby IL  
Rock Falls IL • Rockford IL • Springfield IL • Urbana IL • Wauconda IL • West Branch IA • West Burlington IA

4325 University Ave.  
Cedar Falls, IA 50613  
Phone (319) 277-4421



SALES • SERVICE • RENTAL

[www.BlackHawkRental.com](http://www.BlackHawkRental.com)

324 W. 15th St.  
Waterloo, IA 50702  
Phone (319) 234-4421

Item 14.

CITY OF CEDAR FALLS  
ATTN: CHRIS ROBINSON  
(319) 404-4867

Date: 2/7/2022  
Prepared by: Josh Bresson

QUOTE

Description	AMOUNT
<b>NEW 2022 DOOSAN G70WDO-T4F TOWABLE GENERATOR</b> OPTIONS INCLUDE: BLOCK HEATER, BATTERY CHARGER, ILMS SPECS ARE ATTACHED LEAD TIME IS 38-40 WEEKS AFTER RECEIPT OF PO	\$ 52,931.79
<b>NEW 2022 DOOSAN G125WCU-T4F TOWABLE GENERATOR</b> BLOCK HEATER, BATTERY CHARGER, ILMS SPECS ARE ATTACHED LEAD TIME IS 37-39 WEEKS AFTER RECEIPT OF PO	\$ 70,359.34
<b>QUOTE IS VALID FOR 30 DAYS</b>	\$ -

Any questions concerning this quotation, contact Josh at 319-239-8888 or [josh@blackhawkrental.com](mailto:josh@blackhawkrental.com)

Date of Acceptance \_\_\_\_\_ Customer Signature \_\_\_\_\_

All prices subject to change without prior notice or obligation. This price quote supersedes all preceding price quotes.  
Customer must exercise his purchase option within 15 days from quote date.

**THANK YOU FOR YOUR BUSINESS!**




**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:** Brett Armstrong, Civil Engineer I

**DATE:** April 4, 2022

**SUBJECT:** Lake Street Trail Project  
 City Project Number: RT-819-3247  
 Iowa DOT Project Number: TAP-U-1185(655)—8I-07  
 Bid Opening

On March 15<sup>th</sup>, 2022 at 10:00 a.m., bids were received and opened by the Iowa Department of Transportation for the Lake Street Trail Project. A total of (5) bids were received, with Owen Contracting, Inc. submitting the apparent low bid:

	<i>Bid Total</i>
<b>Engineering Estimate</b>	<b>\$322,518.13</b>
<b>Owen Contracting, Inc.</b>	<b>\$281,000.33</b>
<b>Peterson Contractors, Inc.</b>	<b>\$291,763.03</b>
<b>Tschiggfrie Excavating, Co.</b>	<b>\$302,058.28</b>
<b>Lodge Construction, Inc.</b>	<b>\$320,444.20</b>
<b>Vieth Construction Corporation</b>	<b>\$349,574.70</b>

The Engineer's Estimate for this project was \$322,518.13. The bid submitted by Owen Contracting, Inc.'s of \$281,000.33 is 12.8% below the Engineer's Estimate.

The Engineering Division of the Public Works Department recommends acceptance of the apparent low bid from Owen Contracting, Inc. of Cedar Falls, Iowa in the amount of \$281,000.33 subject to the recommendation of the Iowa Department of Transportation. Upon acceptance of the lowest bid, we recommend authorizing the City Engineer to execute the contract, along with required bond and insurance, using the Iowa DOT's electronic file management system. Use of the Iowa DOT's electronic file management system is required for this contract.

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



Contracts and Specifications Bureau

03/15/2022 1:57:56 PM

Project(s) and Vendor Ranking

Page 2 of 2

Call Order: 102

Contract ID: 07-1185-655

Primary County: BLACK HAWK

Letting Date: March 15, 2022 10:00 A.M.

DBE Goal: 2.0%

Letting Status: AWARDED

Awarded Vendor: OWEN CONTRACTING, INC.

Contract Period: Start Date: 08/15/22 40 Working Days

Rank	Vendor ID	Vendor Name	Total Bid	Percent Of Low Bid
1	OW005	OWEN CONTRACTING, INC.	\$281,000.33	100.00%
2	PE320	PETERSON CONTRACTORS INC.	\$291,763.03	103.83%
3	TS020	TSCHIGGFRIE EXCAVATING CO.	\$302,058.28	107.49%
4	LO083	LODGE CONSTRUCTION INC.	\$320,444.20	114.04%
5	VI035	VIETH CONSTRUCTION CORPORATION	\$349,574.70	124.40%

CONFIDENTIAL - DESTROY IF PROJECT IS NOT AWARDED

**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](http://www.cedarfalls.com)

**MEMORANDUM**  
***Engineering Division***

**TO:** Honorable Mayor Robert M. Green and City Council

**FROM:** Matthew Tolan, EI, Civil Engineer II

**DATE:** March 28, 2022

**SUBJECT:** 2022 CDBG Sanitary Sewer Rehabilitation Project  
City Project Number: SA-000-3297  
Contract Documents

Submitted within for City Council approval are the Form of Contract; the Performance, Payment, and Maintenance Bonds; Certificates of Insurance; and Form of Proposal with Municipal Pipe Tool Company LLC for the construction of the 2022 CDBG Sanitary Sewer Rehabilitation Project.

This project consists of furnishing and installing a cured in place liner within existing 8 and 12 inch diameter sewer lines in selected areas of the city and in accordance with the contract documents. The total project involves approximately 8,209 linear feet and 185 service taps.

The Engineering Division of the Public Works Department recommends approving and executing the contract with Municipal Pipe Tool Company LLC for the construction of the 2022 CDBG Sanitary Sewer Rehabilitation Project.

If you have any questions or comments, feel free to contact me.

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

## FORM OF CONTRACT

This Contract entered into in quadruplicate at Cedar Falls, Iowa, this 25 day of March, 2022, by and between the City of Cedar Falls, Iowa, hereinafter called the Owner, and Sharon Waschke of Municipal Pipe Tool Co LLC, hereinafter called the Contractor.

WITNESSETH:

The Contractor hereby agrees to furnish all labor, tools, materials, and equipment and construct the public improvement consisting of: 2022 CDBG SANITARY SEWER REHABILITATION PROJECT; PROJECT NO. SA-000-3297 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 21<sup>st</sup> day of February, 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 2022 CDBG SANITARY SEWER REHABILITATION PROJECT attached hereto shall be made a part of this contract as fully as though set out herein verbatim:

- a. Resolution of Necessity
- b. Resolution ordering construction of the improvement
- c. Plans
- d. Notice of Public Hearing on Plans and Specifications
- e. Notice to Bidders
- f. Instructions to Bidders
- g. Supplemental Conditions
- h. General Conditions
- i. Project Specifications
- j. Form of Proposal
- k. Performance Bond
- l. Maintenance Bond
- m. Form of Contract

- n. Non-collusion Affidavit of Prime Bidder
- o. Bidder Status Form

On completion of the said improvement, the Owner agrees to pay to the Contractor the prices set out in the Form of Proposal of the Contractor, said payment to be made in the manner stated in the published Notice to Bidders.

In Witness whereof, this Contract has been executed in quadruplicate on the date first herein written.

*Shawn Waschulat*

\_\_\_\_\_  
Contractor

CITY OF CEDAR FALLS, IOWA

By \_\_\_\_\_  
Robert Green, Mayor City of Cedar Falls

Attest: \_\_\_\_\_  
Jacqueline Danielsens, MMC  
City Clerk

## Performance, Payment and Maintenance Bond

SURETY BOND NO. IAC592471

KNOW ALL BY THESE PRESENTS:

That we, Municipal Pipe Tool Co., LLC, as Principal (hereinafter the "Contractor" or "Principal" and Merchants Bonding Company (Mutual) 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 **Two Hundred Eighty Six Thousand Three Hundred Ninety Five and 50/100 Dollars** (\$ 286,395.50), 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:

### 2022 CDBG Sanitary Sewer Rehabilitation Project Project SA-000-3297

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 Polk 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(s). SA-000-3297

Witness our hands, in triplicate, this \_\_\_\_\_ day of \_\_\_\_\_, 2022.

Surety Countersigned By:

**Not Required**  
 \_\_\_\_\_  
 Signature of Agent

\_\_\_\_\_  
 Printed Name of Agent

\_\_\_\_\_  
 Company Name

\_\_\_\_\_  
 Company Address

\_\_\_\_\_  
 City, State, Zip Code

\_\_\_\_\_  
 Company Telephone Number

PRINCIPAL:

**Municipal Pipe Tool Co., LLC**  
 \_\_\_\_\_  
 Contractor

By: Sharon Waschlied  
 \_\_\_\_\_  
 Signature

COO  
 \_\_\_\_\_  
 Title

FORM APPROVED BY:

\_\_\_\_\_  
 Attorney for Owner

SURETY:

**Merchants Bonding Company (Mutual)**  
 \_\_\_\_\_  
 Surety Company

By: [Signature]  
 \_\_\_\_\_  
 Signature Attorney-in-Fact Officer

**Stacie Christensen, Attorney-in-Fact & IA Resident Agent**  
 \_\_\_\_\_  
 Printed Name of Attorney-in-Fact Officer

**Holmes, Murphy and Associates, LLC**  
 \_\_\_\_\_  
 Company Name

**2727 Grand Prairie Parkway**  
 \_\_\_\_\_  
 Company Address

**Waukee, IA 50263**  
 \_\_\_\_\_  
 City, State, Zip Code

**(515) 223-6800**  
 \_\_\_\_\_  
 Company Telephone Number

- 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.

# MERCHANTS BONDING COMPANY™

## POWER OF ATTORNEY

Know All Persons By These Presents, that MERCHANTS BONDING COMPANY (MUTUAL) and MERCHANTS NATIONAL BONDING, INC., both being corporations of the State of Iowa (herein collectively called the "Companies") do hereby make, constitute and appoint, individually, Anne Crowner; Ashlea McCaughey; Ben Williams; Brian M Deimerly; Cameron M Burt; Cindy Bennett; Craig E Hansen; D Gregory Stitts; Dione R Young; Donald E Appleby; Douglas Muth; Ginger Hoke; Grace Rasmussen; Greg Krier; Jay D Freiermuth; Jennifer Marino; Jessica Jean Rini; Joe Tiernan; John Cord; Mark R DeWitt; Mark Sweigart; Michelle R Gruis; Sarah C Brown; Seth D Rooker; Stacie Christensen; Stacy Venn; Tim McCulloh; Todd Bengford

their true and lawful Attorney(s)-in-Fact, to sign its name as surety(ies) and to execute, seal and acknowledge any and all bonds, undertakings, contracts and other written instruments in the nature thereof, on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

This Power-of-Attorney is granted and is signed and sealed by facsimile under and by authority of the following By-Laws adopted by the Board of Directors of Merchants Bonding Company (Mutual) on April 23, 2011 and amended August 14, 2015 and adopted by the Board of Directors of Merchants National Bonding, Inc., on October 16, 2015.

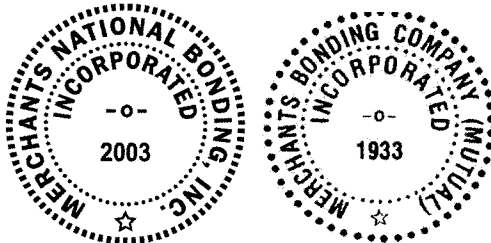
"The President, Secretary, Treasurer, or any Assistant Treasurer or any Assistant Secretary or any Vice President shall have power and authority to appoint Attorneys-in-Fact, and to authorize them to execute on behalf of the Company, and attach the seal of the Company thereto, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof."

"The signature of any authorized officer and the seal of the Company may be affixed by facsimile or electronic transmission to any Power of Attorney or Certification thereof authorizing the execution and delivery of any bond, undertaking, recognizance, or other suretyship obligations of the Company, and such signature and seal when so used shall have the same force and effect as though manually fixed."

In connection with obligations in favor of the Florida Department of Transportation only, it is agreed that the power and authority hereby given to the Attorney-in-Fact includes any and all consents for the release of retained percentages and/or final estimates on engineering and construction contracts required by the State of Florida Department of Transportation. It is fully understood that consenting to the State of Florida Department of Transportation making payment of the final estimate to the Contractor and/or its assignee, shall not relieve this surety company of any of its obligations under its bond.

In connection with obligations in favor of the Kentucky Department of Highways only, it is agreed that the power and authority hereby given to the Attorney-in-Fact cannot be modified or revoked unless prior written personal notice of such intent has been given to the Commissioner-Department of Highways of the Commonwealth of Kentucky at least thirty (30) days prior to the modification or revocation.

In Witness Whereof, the Companies have caused this instrument to be signed and sealed this 14th day of February, 2022.

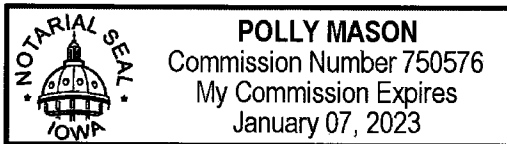


MERCHANTS BONDING COMPANY (MUTUAL)  
MERCHANTS NATIONAL BONDING, INC.

By *Larry Taylor*  
President

STATE OF IOWA  
COUNTY OF DALLAS ss.

On this 14th day of February 2022, before me appeared Larry Taylor, to me personally known, who being by me duly sworn did say that he is President of MERCHANTS BONDING COMPANY (MUTUAL) and MERCHANTS NATIONAL BONDING, INC.; and that the seals affixed to the foregoing instrument are the Corporate Seals of the Companies; and that the said instrument was signed and sealed in behalf of the Companies by authority of their respective Boards of Directors.

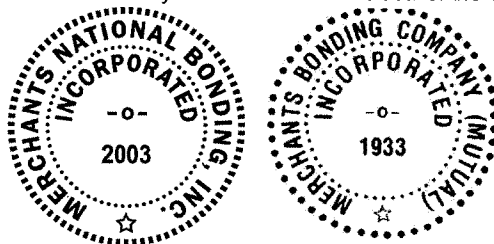


*Polly Mason*  
Notary Public

(Expiration of notary's commission does not invalidate this instrument)

I, William Warner, Jr., Secretary of MERCHANTS BONDING COMPANY (MUTUAL) and MERCHANTS NATIONAL BONDING, INC., do hereby certify that the above and foregoing is a true and correct copy of the POWER-OF-ATTORNEY executed by said Companies, which is still in full force and effect and has not been amended or revoked.

In Witness Whereof, I have hereunto set my hand and affixed the seal of the Companies on this \_\_\_\_\_ day of \_\_\_\_\_, 2022.



*William Warner Jr.*  
Secretary



**8. AIRBAG COVERAGE**

**SECTION III - PHYSICAL DAMAGE, B. EXCLUSIONS**, Paragraph 3. is deleted and replaced by the following:

We will not pay for "loss" caused by or resulting from any of the following unless caused by other "loss" that is covered by this insurance:

- a. Wear and tear, freezing, mechanical or electrical breakdown. However, this exclusion does not include the discharge of an airbag.
- b. Blowouts, punctures or other road damage to tires.

**9. GLASS REPAIR - WAIVER OF DEDUCTIBLE**

**SECTION III - PHYSICAL DAMAGE COVERAGE, D. DEDUCTIBLE** is amended to add the following:

No deductible applies to glass damage if the glass is repaired rather than replaced.

**10. COLLISION COVERAGE – WAIVER OF DEDUCTIBLE**

**SECTION III - PHYSICAL DAMAGE COVERAGE, D. DEDUCTIBLE** is amended to add the following:

When there is a "loss" to your covered "auto" insured for Collision Coverage, no deductible will apply if the "loss" was caused by a collision with another "auto" insured by us.

**11. KNOWLEDGE OF ACCIDENT**

**SECTION IV - BUSINESS AUTO CONDITIONS, A. LOSS CONDITIONS, 2. DUTIES IN THE EVENT OF ACCIDENT, CLAIM, SUIT OR LOSS**, paragraph a. is deleted and replaced by the following:

- a. You must see to it that we are notified as soon as practicable of an "accident", claim, "suit" or "loss". Knowledge of an "accident", claim, "suit" or "loss" by your "employees" shall not, in itself, constitute knowledge to you unless one of your partners, executive officers, directors, managers, or members (if you are a limited liability company) has knowledge of the "accident", claim, "suit" or "loss". Notice should include:
  - (1) How, when and where the "accident" or "loss" occurred;
  - (2) The "insured's" name and address; and
  - (3) To the extent possible, the names and addresses of any injured persons and witnesses.

**12. TRANSFER OF RIGHTS (BLANKET WAIVER OF SUBROGATION)**

**SECTION IV - BUSINESS AUTO CONDITIONS A.5. TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US** is deleted and replaced by the following:

If any person or organization to or for whom we make payment under this Coverage Form has rights to recover damages from another, those rights are transferred to us. That person or organization must do everything necessary to secure our rights and must do nothing after "accident" or "loss" to impair them. However, if the insured has waived rights to recover through a written contract, or if your work was commenced under a letter of intent or work order, subject to a subsequent reduction in writing with customers whose customary contracts require a waiver, we waive any right of recovery we may have under this Coverage Form.

**13. UNINTENTIONAL FAILURE TO DISCLOSE HAZARDS**

**SECTION IV - BUSINESS AUTO CONDITIONS, B. GENERAL CONDITIONS, 2. CONCEALMENT, MISREPRESENTATION OR FRAUD** is amended by the addition of the following:

We will not deny coverage under this Coverage Form if you unintentionally fail to disclose all hazards existing as of the inception date of this policy. You must report to us any knowledge of an error or omission in your representations as soon as practicable after its discovery. This provision does not affect our right to collect additional premium or exercise our right of cancellation or non-renewal.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

## CONTRACTOR'S BLANKET ADDITIONAL INSURED ENDORSEMENT – FORM A

This endorsement modifies insurance provided under the following:

### COMMERCIAL GENERAL LIABILITY COVERAGE PART

<b>Policy Number</b> CA21023080302	<b>Agency Number</b> 0295493	<b>Policy Effective Date</b> 08/03/2021
<b>Policy Expiration Date</b> 08/03/2022	<b>Date</b>	<b>Account Number</b> 20041011
<b>Named Insured</b> MUNICIPAL PIPE TOOL CO, . LLC	<b>Agency</b> THE HORTON GROUP, INC.	<b>Issuing Company</b> AMERISURE INSURANCE COMPANY

1. a. **SECTION II - WHO IS AN INSURED** is amended to add as an additional insured any person or organization:
  - (1) Whom you are required to add as an additional insured on this policy under a written contract or written agreement relating to your business; or
  - (2) Who is named as an additional insured under this policy on a certificate of insurance.
- b. The written contract, written agreement, or certificate of insurance must:
  - (1) Require additional insured status for a time period during the term of this policy; and
  - (2) Be executed prior to the "bodily injury", "property damage", or "personal and advertising injury" leading to a claim under this policy.
- c. If, however:
  - (1) "Your work" began under a letter of intent or work order; and
  - (2) The letter of intent or work order led to a written contract or written agreement within 30 days of beginning such work; and
  - (3) Your customer's customary contracts require persons or organizations to be named as additional insureds;

we will provide additional insured status as specified in this endorsement.
2. The insurance provided under this endorsement is limited as follows:
  - a. That person or organization is an additional insured only with respect to liability caused, in whole or in part, by:
    - (1) Premises you:
      - (a) Own;
      - (b) Rent;
      - (c) Lease; or
      - (d) Occupy;
    - (2) Ongoing operations performed by you or on your behalf. Ongoing operations does not apply to "bodily injury" or "property damage" occurring after:

- (a) All work to be performed by you or on your behalf for the additional insured(s) at the site of the covered operations is complete, including related materials, parts or equipment (other than service, maintenance or repairs); or
  - (b) That portion of "your work" out of which the injury or damage arises is put to its intended use by any person or organization other than another contractor working for a principal as a part of the same project.
- (3) Completed operations coverage, but only if:
- (a) The written contract, written agreement, or certificate of insurance requires completed operations coverage or "your work" coverage; and
  - (b) This coverage part provides coverage for "bodily injury" or "property damage" included within the "products-completed operations hazard".

However, the insurance afforded to such additional insured only applies to the extent permitted by law.

- b. If the written contract, written agreement, or certificate of insurance:
- (1) Requires "arising out of" language; or
  - (2) Requires you to provide additional insured coverage to that person or organization by the use of either or both of the following:
    - (a) Additional Insured – Owners, Lessees or Contractors – Scheduled Person Or Organization endorsement CG 20 10 10 01; or
    - (b) Additional Insured – Owners, Lessees or Contractors – Completed Operations endorsement CG 20 37 10 01;

then the phrase "caused, in whole or in part, by" in paragraph 2.a. above is replaced by "arising out of".

- c. If the written contract, written agreement, or certificate of insurance requires you to provide additional insured coverage to that person or organization by the use of:
- (1) Additional Insured – Owners, Lessees or Contractors – Scheduled Person Or Organization endorsement CG 20 10 07 04 or CG 20 10 04 13; or
  - (2) Additional Insured – Owners, Lessees or Contractors – Completed Operations endorsement CG 20 37 07 04 or CG 20 37 04 13; or
  - (3) Both those endorsements with either of those edition dates; or
  - (4) Either or both of the following:
    - (a) Additional Insured – Owners, Lessees or Contractors – Scheduled Person Or Organization endorsement CG 20 10 without an edition date specified; or
    - (b) Additional Insured – Owners, Lessees or Contractors – Completed Operations endorsement CG 20 37 without an edition date specified;

then paragraph 2.a. above applies.

- d. Premises, as respects paragraph 2.a.(1) above, include common or public areas about such premises if so required in the written contract or written agreement.
- e. Additional insured status provided under paragraphs 2.a.(1)(b) or 2.a.(1)(c) above does not extend beyond the end of a premises lease or rental agreement.
- f. The limits of insurance that apply to the additional insured are the least of those specified in the:
  - (1) Written contract;
  - (2) Written agreement;
  - (3) Certificate of insurance; or
  - (4) Declarations of this policy.

The limits of insurance are inclusive of and not in addition to the limits of insurance shown in the Declarations.

g. The insurance provided to the additional insured does not apply to "bodily injury", "property damage", or "personal and advertising injury" arising out of an architect's, engineer's, or surveyor's rendering of, or failure to render, any professional services, including but not limited to:

(1) The preparing, approving, or failing to prepare or approve:

- (a) Maps;
- (b) Drawings;
- (c) Opinions;
- (d) Reports;
- (e) Surveys;
- (f) Change orders;
- (g) Design specifications; and

(2) Supervisory, inspection, or engineering services.

h. **SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS**, paragraph 4. **Other Insurance** is deleted and replaced with the following:

**4. Other Insurance.**

Coverage provided by this endorsement is excess over any other valid and collectible insurance available to the additional insured whether:

- a. Primary;
- b. Excess;
- c. Contingent; or
- d. On any other basis;

but if the written contract, written agreement, or certificate of insurance requires primary and non-contributory coverage, this insurance will be primary and non-contributory relative to other insurance available to the additional insured which covers that person or organization as a Named Insured, and we will not share with that other insurance.

i. If the written contract, written agreement, or certificate of insurance as outlined above requires additional insured status by use of CG 20 10 11 85, then the coverage provided under this CG 70 48 endorsement does not apply except for paragraph 2.h. **Other Insurance**. Additional insured status is limited to that provided by CG 20 10 11 85 shown below and paragraph 2.h. **Other Insurance** shown above.

**ADDITIONAL INSURED - OWNERS, LESSEES OR CONTRACTORS (FORM B)**

This endorsement modifies insurance provided under the following:

**COMMERCIAL GENERAL LIABILITY COVERAGE PART.**

**SCHEDULE**

**Name of Person or Organization:** Blanket Where Required by Written Contract, Agreement, or Certificate of Insurance that the terms of CG 20 10 11 85 apply

(If no entry appears above, information required to complete this endorsement will be shown in the Declarations as applicable to this endorsement.)

WHO IS AN INSURED (Section II) is amended to include as an insured the person or organization shown in the Schedule, but only with respect to liability arising out of "your work" for that insured by or for you.

**CG 20 10 11 85** Copyright, Insurance Services Office, Inc., 1984

- j. The insurance provided by this endorsement does not apply to any premises or work for which the person or organization is specifically listed as an additional insured on another endorsement attached to this policy.



**18. TRANSFER OF RIGHTS (BLANKET WAIVER OF SUBROGATION)**

Paragraph 8. **Transfer of Rights Of Recovery Against Others To Us** is deleted and replaced with the following:

8. If the insured has rights to recover all or part of any payment we have made under this Coverage Form, those rights are transferred to us. The insured must do nothing after loss to impair them. At our request, the insured will bring "suit" or transfer those rights to us and help us enforce them. However, if the insured has waived rights to recover through a written contract, or if "your work" was commenced under a letter of intent or work order, subject to a subsequent reduction to writing with customers whose customary contracts require a waiver, we waive any right of recovery we may have under this Coverage Form.

**19. EXTENDED NOTICE OF CANCELLATION AND NONRENEWAL**

Paragraph 2.b. of **A. Cancellation of the COMMON POLICY CONDITIONS** is deleted and replaced with the following:

- b. 60 days before the effective date of the cancellation if we cancel for any other reason.

Under **SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS**, Paragraph 9. **When We Do Not Renew** is deleted and replaced with the following:

**9. When We Do Not Renew**

If we decide not to renew this Coverage Part, we will mail or deliver to the first Named Insured shown in the Declarations written notice of the nonrenewal not less than 60 days before the expiration date.

If notice is mailed, proof of mailing will be sufficient proof of notice.

**20. MOBILE EQUIPMENT REDEFINED**

Under **SECTION V – DEFINITIONS**, paragraph 12. "Mobile equipment", paragraph f. (1) does not apply to self-propelled vehicles of less than 1,000 pounds gross vehicle weight.

**21. ADDITIONAL DEFINITIONS**

1. **SECTION V – DEFINITIONS**, paragraph 4. "Coverage territory" is replaced by the following definition:

"Coverage territory" means anywhere in the world with respect to liability arising out of "bodily injury," "property damage," or "personal and advertising injury," including "personal and advertising injury" offenses that take place through the Internet or similar electronic means of communication provided the insured's responsibility to pay damages is determined in a settlement to which we agree or in a "suit" on the merits, in the United States of America (including its territories and possessions), Puerto Rico and Canada.

2. **SECTION V – DEFINITIONS** is amended by the addition of the following definitions:

"Covered recall" means a recall made necessary because you or a government body has determined that a known or suspected defect, deficiency, inadequacy, or dangerous condition in "your product" has resulted or will result in "bodily injury" or "property damage".

"Product Recall expenses" mean only reasonable and necessary extra costs, which result from or are related to the recall or withdrawal of "your product" for:

- a. Telephone and telegraphic communication, radio or television announcements, computer time and newspaper advertising;
- b. Stationery, envelopes, production of announcements and postage or facsimiles;
- c. Remuneration paid to regular employees for necessary overtime or authorized travel expense;
- d. Temporary hiring by you or by agents designated by you of persons, other than your regular employees, to perform necessary tasks;
- e. Rental of necessary additional warehouse or storage space;

**WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT**

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. (This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.)

This agreement shall not operate directly or indirectly to benefit anyone not named in the Schedule.

Schedule

"Any person or organization required by written contract or certificate of insurance."

"This endorsement is not applicable in California, Kentucky, New Hampshire, New Jersey, Texas and Utah."

This endorsement is not applicable in Wisconsin.

The endorsement does not apply to policies or exposure in Missouri where the employer is in the construction group of classifications. According to Section 287.150(6) of the Missouri statutes, a contractual provision purporting to waive subrogation rights is against public policy and void where one party to the contract is an employer in the construction group of code classifications. For policies or exposure in Missouri, the following must be included in the Schedule:

- Any person or organization for which the employer has agreed by written contract, executed prior to loss, may execute a waiver of subrogation. However, for purposes of work performed by the employer in Missouri, this waiver of subrogation does not apply to any construction group of classifications as designated by the waiver of right to recover from others (subrogation) rule in our manual.

This endorsement changes the policy to which it is attached and is effective on the date issued unless otherwise stated.

(The information below is required only when this endorsement is issued subsequent to preparation of the policy.)

Endorsement Effective **8/3/2021**      Policy No. **WC21023100505**      Endorsement No.

Insured      Premium \$

Insurance Company      Countersigned by \_\_\_\_\_

220 Clay Street  
 Cedar Falls, Iowa 50613  
 Proposal for: 2022 CDBG Sanitary Sewer Rehabilitation Project  
 Project No. SA-000-3297

**FORM OF PROPOSAL  
 2022 CDBG SANITARY SEWER REHABILITATION PROJECT  
 CITY OF CEDAR FALLS, IOWA  
 PROJECT NO. SA-000-3297**

To the Mayor and City Council  
 City of Cedar Falls, Iowa

The undersigned hereby certifies that Municipal Pipe Tool Co. LLC have personally and carefully examined the specifications, general conditions, and form of contract annexed hereto. Having made such examination, the undersigned hereby proposes to construct the improvements for the 2022 CDBG SANITARY SEWER REHABILITATION 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.	Item Code	Description	Item Quantity and Units	Unit Price		Amount	
				Dollars	Cents	Dollars	Cents
1	4050-C-1	Pipe Lining, 8 Inch	7,111 Linear Feet	25	50	181,330	50
2	4050-C-1	Pipe Lining, 12 Inch	1,098 Linear Feet	32	50	35,685	-
3	4050-C-2	Building Sanitary Sewer Service Reconnection	185 Each	313	-	57,905	-
4	4050-F-4	Injection Grouting of Service Connections	185 Each	35	-	6,475	-
5	11,020-A	Mobilization	1 LS	5000	-	5000	-
			Total Bid			286,395	50

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 him for signature, and start work within ten (10) calendar days after "Notice to Proceed" is issued.

Bid Security in the sum of Bid Bond 10% of Bid in the form of 10% Bid Bond 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.	<u>NONE</u>	Date	_____
Addendum No.	_____	Date	_____
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  
Municipal Pipe Tool Co. LLC  
515 5th St PO Box 398 Hudson, IA  
 Official Address 50643

Shawn Waschkat  
 By COO  
 Title

**INTENT TO COMPLY WITH SECTION 3 REQUIREMENTS**

***(To be provided with procurement documents and returned with all submitted bids)***

Section 3 of the Housing and Urban Development Act of 1968 [12 U.S.C. 1701u and 24 CFR Part 135] is HUD's legislative directive for providing preference to low-income residents of the local community (regardless of race or gender), and the businesses that substantially employ these persons, for new employment, training and contracting opportunities resulting from HUD-funded projects. The regulations seek to ensure that low- and very low- income persons, and the businesses that employ these individuals, are notified about the expenditure of HUD funds in their community and encouraged to seek opportunities, if created.

A Section 3 resident is defined as a public housing resident or someone with a household income that is less than 80% of the area median income.

A Section 3 business is defined as a business that is:

51% owned by Section 3 residents

Whose permanent, full-time staff is comprised of at least 30% Section 3 residents\*\*

Has committed 25% of the dollar amount of its subcontracts to Section 3 businesses

**Note: If your business meets the definition of a Section 3 business, you may register as a Section 3 Business through HUD's website here: <https://portalapps.hud.gov/Sec3BusReg/BRegistry/RegisterBusiness>**

Businesses who self-certify that they meet one of the regulatory definitions of a Section 3 business will be included in a searchable online database. The database can be used by agencies that receive HUD funds, developers, contractors, and others to facilitate the award of covered construction and non-construction contracts to Section 3 businesses.

**Please complete the following:**

1. If awarded a contract for this CDBG funded project, do you anticipate hiring new employees to complete the project? (Hiring would be specific to this project)

Yes  No If yes, please estimate the number of employees to be hired: \_\_\_\_\_

2. Is your business a Section 3 Business?  Yes  No

3. Is the bidder willing to consider hiring Section 3 residents for future employment opportunities that are a direct result of this CDBG funded project?

Yes  No

4. Is the bidder willing to consider subcontracting with Section 3 Businesses for this project?

Yes  No

*We can self perform all but traffic control.*

I understand that this contracting opportunity is subject to HUD Section 3 requirements (24 CFR Part 135). I have read and understand the Section 3 requirements as generally described above and presented in the Section 3 contract language included in the procurement documents for this project. If awarded a contract, the business commits to following Section 3 requirements, as they apply to this project. If awarded a contract for this project, the business agrees to provide reports to (insert City/County) on Section 3 efforts and accomplishments.

Municipal Pipe Tool Co, LLC      515 5th Street  
Sharon Waschkat      Cedar Falls, IA 50643

Name of Contractor/Subcontractor	Address
Sharon Waschkat	COO
Print Name	Title
Sharon Waschkat	03-10-2022
Signature	Date

# Bidder Status Form

Item 16.

## 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: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ **ALL** / \_\_\_\_\_ / \_\_\_\_\_ Address: **515 5th Street, PO BOX 398**

City, State, Zip: **Hudson, IA 50643**

Dates: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ to \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Dates: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ to \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

*You may attach additional sheet(s) if needed.*

## 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 resident bidders, resident labor force preferences or any other type of preference to bidders or laborers?  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: **Municipal Pipe Tool Co., LLC**

Signature: *Erin Waschke*

Date: **March 2nd 2022**

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.



## 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](http://www.cedarfalls.com)

### MEMORANDUM Engineering Division

**TO:** Honorable Mayor Robert M. Green and City Council

**FROM:** Matthew Tolan, EI, Civil Engineer II

**DATE:** March 28, 2022

**SUBJECT:** W. 27<sup>th</sup> Street Reconstruction Project  
 City Project Number: RC-000-3240  
 Request for PS&E Approval

Submitted within for City Council approval are the Plans, Specifications, and Estimate of Costs and Quantities for the W. 27<sup>th</sup> Street Reconstruction Project

We recommend setting Monday, April 18, 2022 at 7:00 p.m. as the date and time for the public hearing on this project, and Friday, April 22, 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 Friday, April 8, 2022. The Plans and Specifications will be ready for distribution to contractors on Friday, April 8, 2022, allowing for two (2) weeks of review before contract letting.

This project will reconstruct W. 27<sup>th</sup> Street from Hudson Road to the west property line of the new Cedar Falls High School. This will include three roundabouts with enhancements and a new traffic signal at Hudson Road and W. 27<sup>th</sup> Street.

The total estimated cost for the construction of this project is \$7,365,463.90. The project will be funded by the Street Construction Fund, Local Sales Tax, General Obligation Bonds, and School District.

The Engineering Division of the Public Works Department recommends approving the Plans, Specifications, and Estimate of Costs and Quantities for the W. 27<sup>th</sup> Street Reconstruction Project.

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



LETTING DATE  
04/22/2022

# W. 27TH STREET RECONSTRUCTION PROJECT

## FROM HUDSON ROAD TO 2,600 FEET WEST OF GREENHILL ROAD

Item 17.

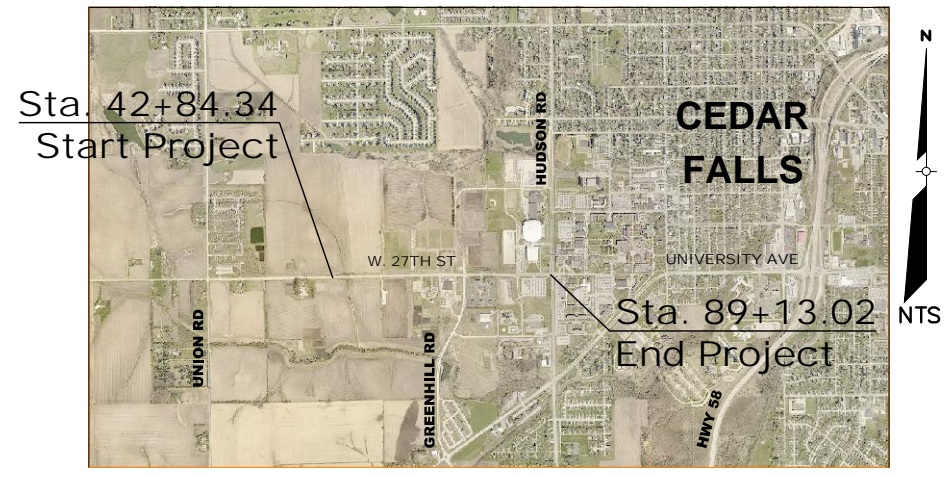
INDEX OF SHEETS	
No.	DESCRIPTION
<b>A Sheet</b>	<b>Title Sheets</b>
<b>B Sheets</b>	<b>Typical Cross Sections and Details</b>
B.01-05	Typical Cross Sections and Details
<b>C Sheets</b>	<b>Quantities and Tabulations</b>
C.01-12	Estimated Quantities, Estimate Reference and Tabulations
<b>D Sheets</b>	<b>Plan and Profile Sheets</b>
D.01-11	Main Line Plan & Profile Sheets
<b>E Sheets</b>	<b>Erosion Control Sheets</b>
E.01-07	Side Road Plan & Profile Sheets
<b>EC Sheets</b>	<b>Erosion Control Sheets</b>
EC.01-02	Storm Water Pollution Prevention Plan
EC.03-08	Erosion Control Plan
<b>F Sheets</b>	<b>Roundabout Plan &amp; Profile Sheets</b>
F.01-28	Roundabout Plan & Profile Sheets
<b>G Sheets</b>	<b>Survey Data</b>
H.01-10	Control Points & Monument Preservation
<b>H Sheets</b>	<b>Right-of-Way Sheets</b>
H.01-10	Right of Way Sheets
<b>J Sheets</b>	<b>Traffic Control and Staging Sheets</b>
J.01-06	Traffic Control Plan & Staging Sheets
<b>L Sheets</b>	<b>Intersection Details</b>
L.01-02	Pavement Tabulations
L.03-34	Jointing & Grading Sheets
<b>M Sheets</b>	<b>Storm Sewer Sheets</b>
M.01-02	Storm Sewer Tabulations
M.03-13	Storm Sewer Plan and Profile
<b>MWM Sheets</b>	<b>Sanitary Sewer Sheets</b>
MWM.01-04	Water Main General Notes
<b>N Sheets</b>	<b>Traffic Signals, Pavement Markings</b>
N.1-08	Traffic Signal Sheets
N.100-102	Pavement Markings and Signage Sheets
<b>P Sheets</b>	<b>Lighting Layout Sheets</b>
P.01-07	Lighting Layout Sheets
<b>R Sheets</b>	<b>Removal Sheets</b>
R.01-02	Removal Tabulations
R.01-11	Removal Sheets
<b>R1 Sheets</b>	<b>Landscaping Plan</b>
R1.01-2.05	Landscaping Plan & Details
<b>S Sheets</b>	<b>Sidewalk Sheets</b>
S.01-10	Sidewalk Plan Sheets
<b>T Sheets</b>	<b>Tabulation of Earthwork</b>
T.01-T.03	Earthwork Tabulations
<b>W Sheets</b>	<b>Mainline Cross Sections</b>
W.01-38	Cross Sections Legend & Symbol Information Sheet



CEDAR FALLS, IOWA  
JANUARY 2022  
CITY PROJECT NO. RC-000-3240

2022 IOWA SUDAS SPECIFICATIONS, IOWA DOT STANDARD SPECIFICATIONS AS REFERENCED BY SUDAS, AND THE CITY OF CEDAR FALLS SUPPLEMENTAL SPECIFICATIONS TO SUDAS SHALL APPLY UNLESS OTHERWISE AMENDED BY PLAN AND PROJECT SPECIFICATIONS.

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 a part of these contract documents. Refer to the Standard Specifications for additional information.



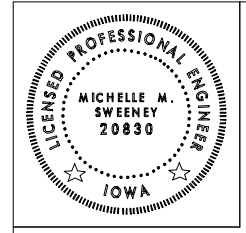
MILEAGE SUMMARY			
			105-1
			09-27-94
Div.	Location	Lin. Ft.	Miles
I	W 27TH STREET STA. 42+84.34 TO STA. 89+13.02	4628.68	0.88
TOTAL LENGTH OF PROJECT		4628.68	0.88



City of Cedar Falls, Iowa  
Mayor  
 Rob Green  
Council Persons  
 Gill Schultz  
 Susan deBuhr  
 Daryl Kruse  
 Simon Harding  
 Dustin Ganfield  
 Kelly Dunn  
 Dave Sires  
Director, Public Works  
 Chase Schrage  
City Engineer  
 David Wicke, P.E.

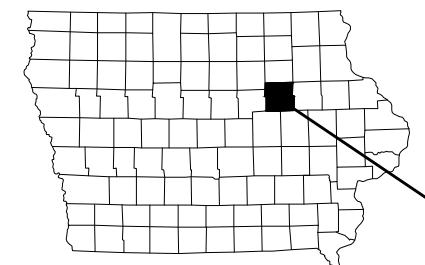
REVISIONS

INDEX OF SEALS		
SHEET NO.	NAME	TYPE
A.1	Michelle Sweeney	Primary Signature Block
N.01	Larry Wiele	Traffic Signals & Lighting



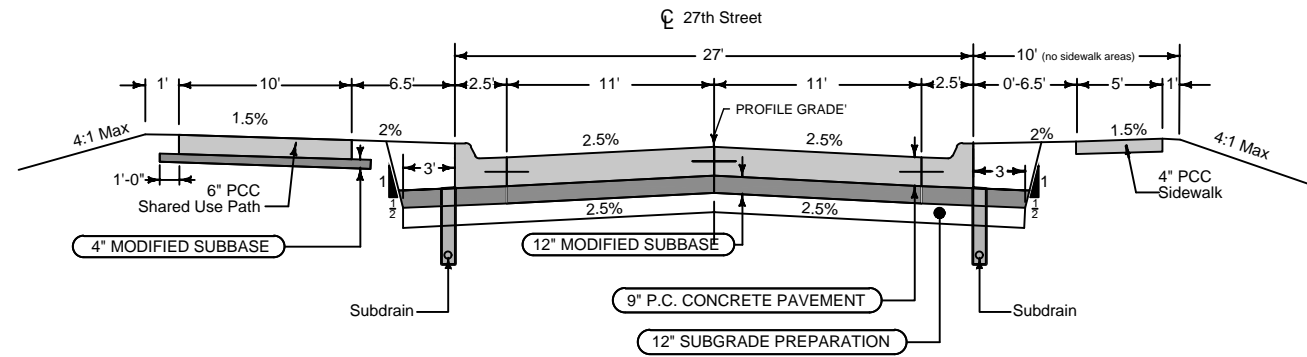
I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.  
*Michelle M. Sweeney* 3/25/2022  
 Signature Date  
 MICHELLE M. SWEENEY  
 Printed or Typed Name  
 My license renewal date is December 31, 2023

Pages or sheets covered by this seal: A.01, B.01-05, C.01-12, D.01-11, E.01-07, EC.01-08, F.01-28, G.01, H.01-10, J.01-06, L.01-34, M.01-13, MWM.01-04, N100-102, R.01-11, S.01-10, T.01-03, W.01-38



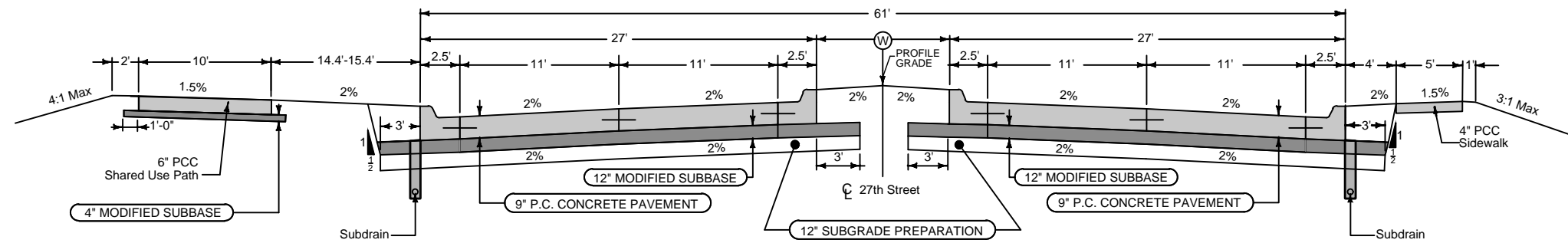
LOCATION MAP - CEDAR FALLS, IA - BLACK HAWK COUNTY

**W. 27th Street  
Typical Cross Section  
2-Lane Undivided**  
(NOT TO SCALE)



See Table C\_S1

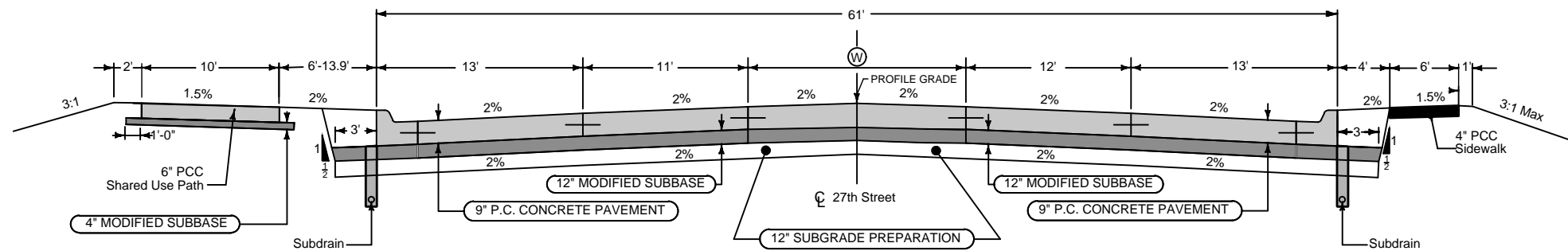
STATION TO STATION		NOTES
42+84.34	43+26.34	
50+18.24	51+82.79	NO SIDEWALK RIGHT
58+57.54	64+74.88	NO SIDEWALK RIGHT



**W. 27th Street  
Typical Cross Section  
4-Lane w/ Median**  
(NOT TO SCALE)

See Table C\_S2

STATION TO STATION		Ⓜ	PAVED MEDIAN OR TOPSOIL
72+55.36	72+78.09	7.0'	TOPSOIL
75+07.70	75+68.17	0' to 7.0'	PAVED
75+68.17	78+69.12	7.0'	PAVED
78+69.12	79+20.01	7.0' to 0'	PAVED



**W. 27th Street  
Typical Cross Section  
5-Lane Undivided**  
(NOT TO SCALE)

See Table C\_S3

STATION TO STATION	
73+60.04	75+07.70
79+20.01	80+89.55

DRN	Westley, Kasey	
DES	CHK	
CHK	Sweeney, Michelle	
APP		
REVISIONS		
NO		

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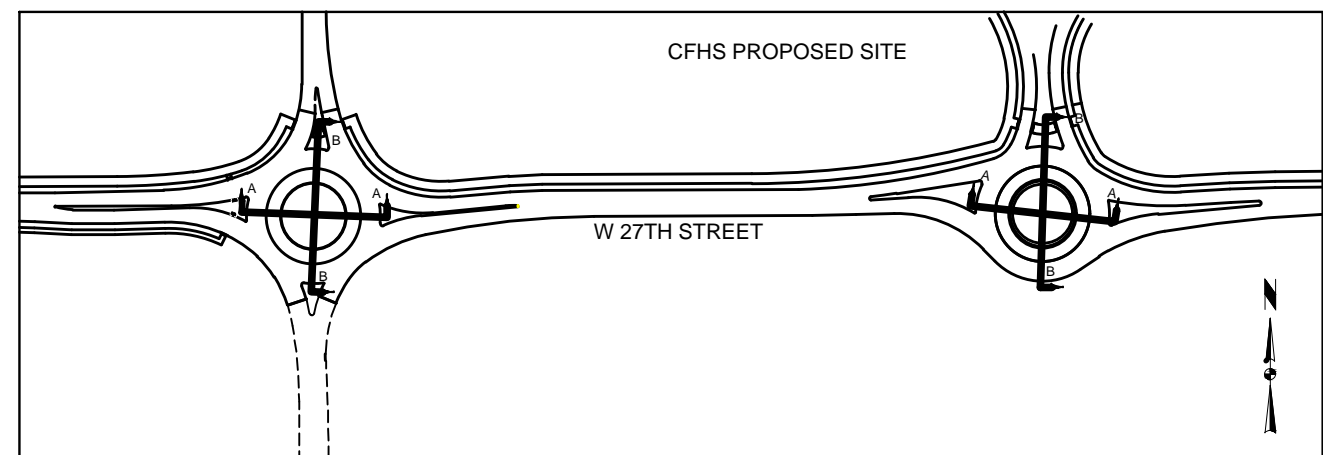
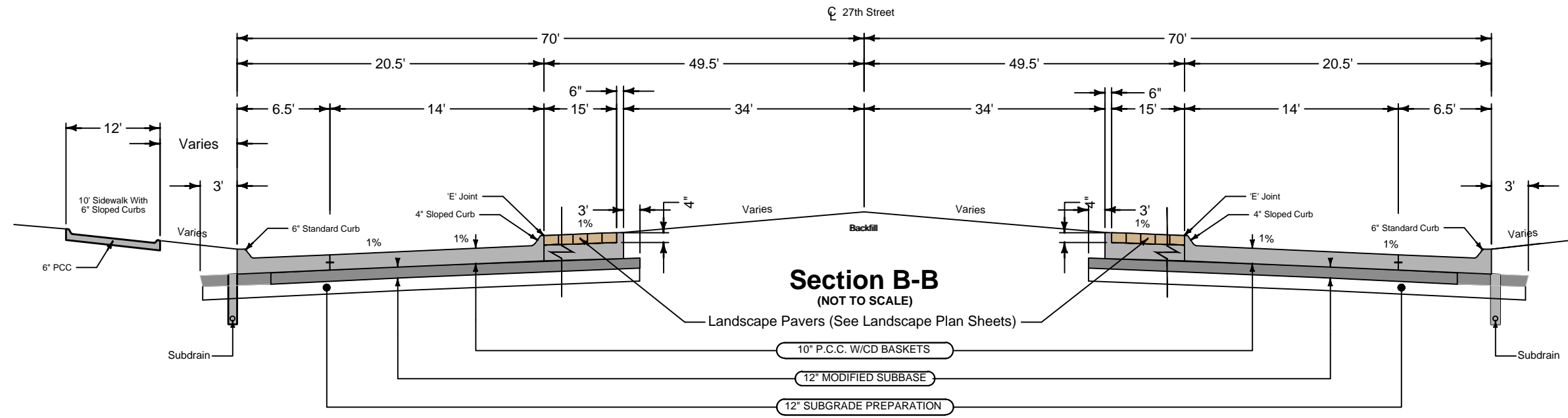
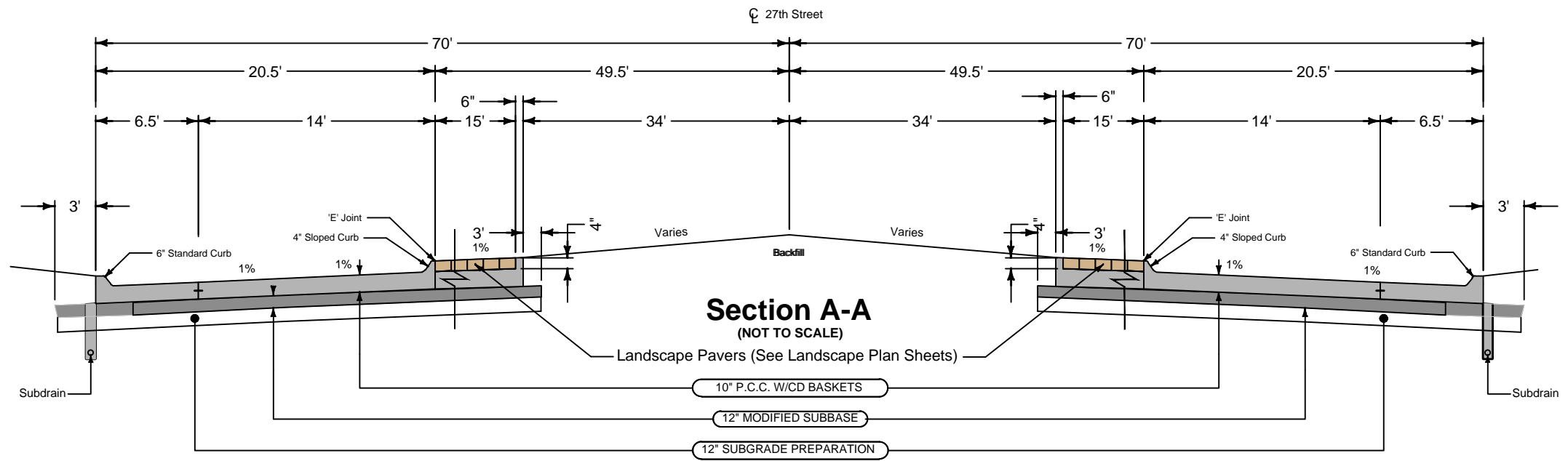


WEST 27th STREET RECON  
RC-000-3240

TYPICAL CROSS SECTIONS AND  
DETAILS

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	120





**W 27th Street Roundabouts**  
**Typical Roundabout Section**  
 (NOT TO SCALE)

WEST 27th STREET RECON  
 RC-000-3240  
 TYPICAL CROSS SECTIONS AND  
 DETAILS

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	122



DRN	Westley, Kasey
DES	
CHK	Sweeney, Michelle
APP	

PRINTED: 3/25/22

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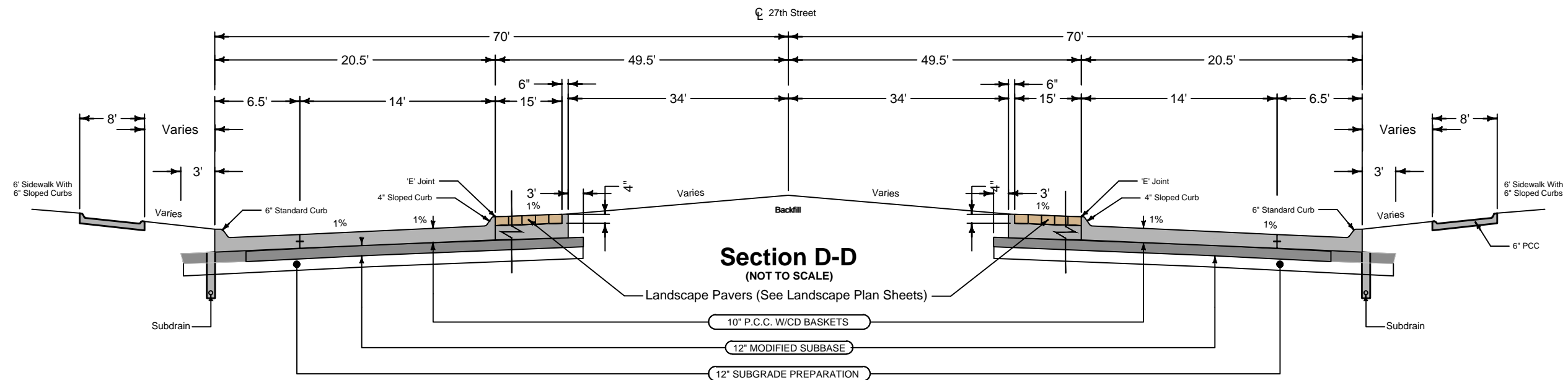
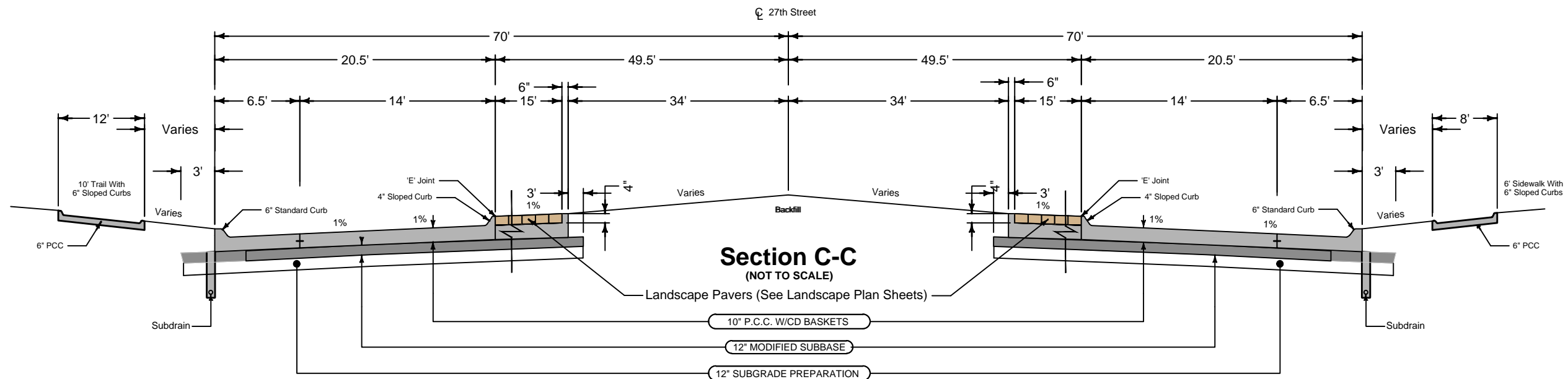
Item 17.

DRN / CHK / DRN / CHK / NO

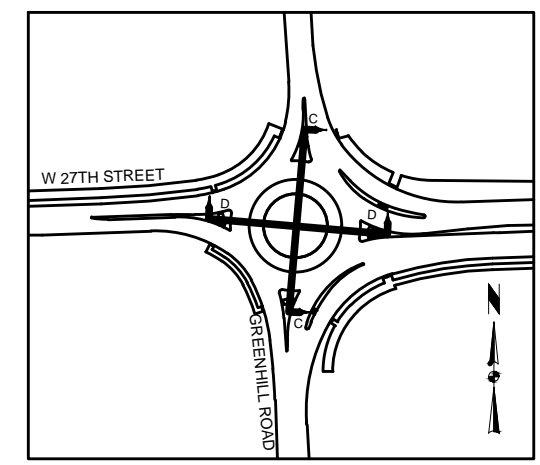
REVISIONS

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DES  
CHK Sweeney, Michelle  
APP



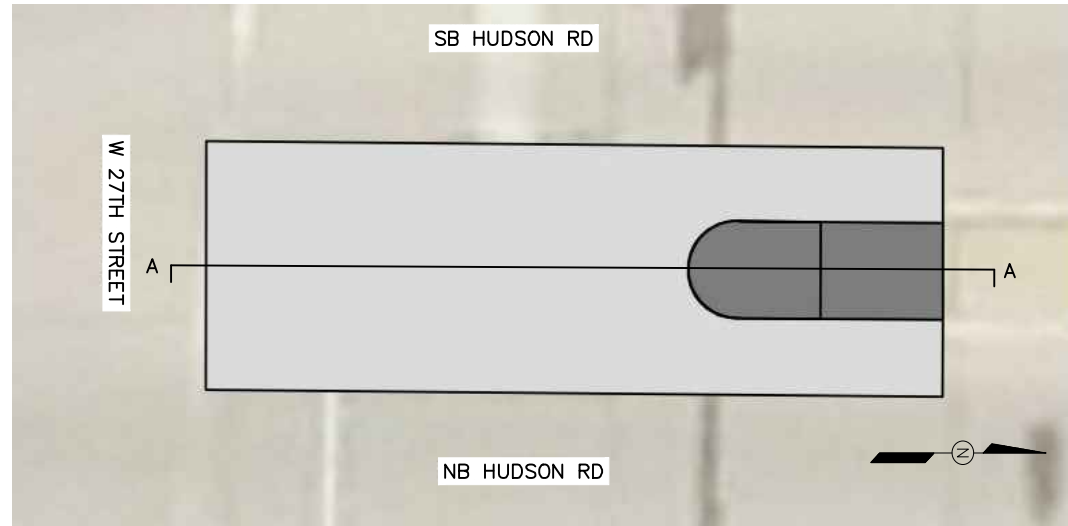
**W 27th Street and Greenhill Road**  
**Typical Roundabout Section**  
 (NOT TO SCALE)



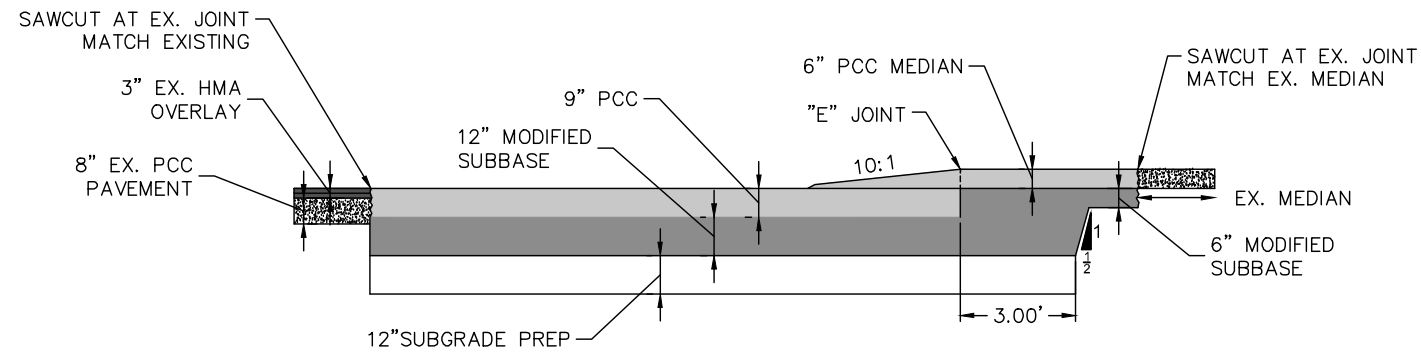
**AECOM**

WEST 27th STREET RECON  
 RC-000-3240  
 TYPICAL CROSS SECTIONS AND  
 DETAILS

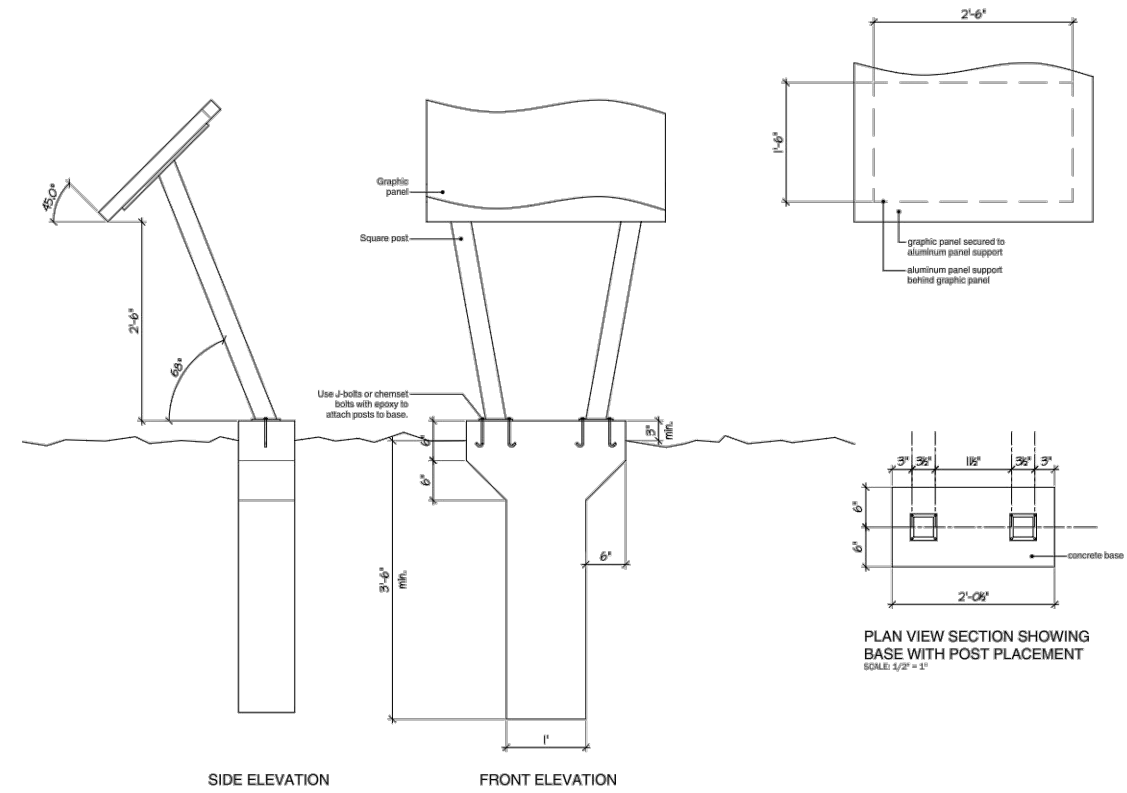
DATE 3-25-2022  
 PROJECT NO. 60637669  
 MILESTONE FINAL PLANS  
 SHEET NO.  
 DRAWING NO. 123



SECTION A-A  
NOT TO SCALE



HUDSON ROAD RAMPED MEDIAN NOSE  
NOT TO SCALE



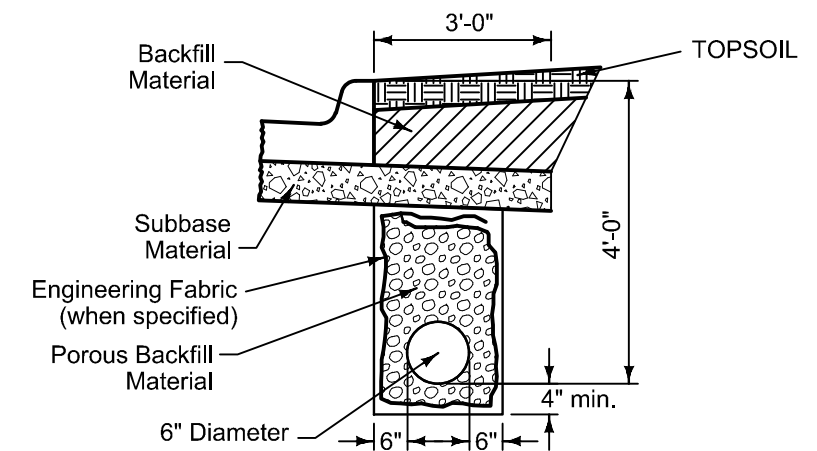
SIGN "B" FOOTING DETAIL  
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**Low Profile Exhibit - Base**  
The following information pertains to the fabrication of double posts and frame holding one 36"x24" panel at a 45 degree angle. (For panel details see 6.08-6.10).

**Materials**  
-Posts: 6061-T6 aluminum  
-Frame: aluminum panel support - 30"x18"  
-Panel: 1/2" thick embedded graphic panel

**Color and Finish**  
-Sandblast all surfaces to receive paint.  
-Paint: two coats satin acrylic polyurethane  
-Color: Black

**Installation**  
-Bolts to be tamper-proof.  
-Install as shown with poured concrete base. Attach sign to base with core drill in concrete - epoxy.



SUBDRAIN DETAIL  
NOT TO SCALE

DATE	
DRN	CHK
DES	NO
CHK	NO
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WEST 27th STREET RECON  
RC-000-3240  
TITLE SHEET

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	124
DRAWING NO.	



### ESTIMATED PROJECT QUANTITIES (UP TO A 5 DIVISION PROJECT)

Division 1: City of Cedar Falls  
 Division 2: Cedar Falls High School  
 Division 3: University of Northern Iowa Enhancements  
 Division 4: Cedar Falls Utilities  
 Division 5:

This Data Entry Sheet fills Tab 100-1C effective 04-17-12

Item No.	Item Code	Item	Unit	Quantities									
				Estimated				As Built					
				Division 1	Division 2	Division 3	Division 4	Total	Division 1	Division 2	Division 3	Division 4	
1	2010	CLEARING AND GRUBBING	UNIT	85.90					85.90				
2	2010	ON-SITE TOPSOIL	CY	11490.00					11490.00				
3	2010	OFF-SITE TOPSOIL	CY	4559.00									
4	2010	EXCAVATION, CLASS 10, ROADWAY AND BORROW	CY	9929.00					9929.00				
5	2010	EXCAVATION, CLASS 10, BORROW	CY	10095.00					10095.00				
6	2010	EXCAVATION, CLASS 13	CY	15.00					15.00				
7	2010	SUBGRADE PREPARATION, 12 IN.	SY	30444.00					30444.00				
8	2010	SUBGRADE TREATMENT, GEOGRID	SY	600.00					600.00				
9	2010	SUBBASE, MODIFIED 4"	SY	7014.00					7014.00				
10	2010	SUBBASE, MODIFIED 6"	SY	68.50									
11	2010	SUBBASE, MODIFIED 12"	SY	30444.00									
12	10010	REMOVALS, STRUCTURES	EACH	1.00					1.00				
13	3010	REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL	CY	200.00					200.00				
14	4020	STORM SEWER, TRENCHED, RCP, CLASS III, 15 IN.	LF	3105.00					3105.00				
15	4020	STORM SEWER, TRENCHED, RCP, CLASS III, 18 IN.	LF	1268.00					1268.00				
16	4020	STORM SEWER, TRENCHED, RCP, CLASS III, 24 IN.	LF	36.00					36.00				
17	4020	STORM SEWER, TRENCHED, RCP, CLASS III, 30 IN.	LF	355.00					355.00				
18	4020	STORM SEWER, TRENCHED, RCP, CLASS III, 36 IN.	LF	148.00					148.00				
19	4020	STORM SEWER, TRENCHED, RCP, CLASS III, 37X23 IN ARCH PIPE	LF	17.00					17.00				
20	4020	REMOVAL OF STORM SEWER, RCP, LESS THAN 36 IN.	LF	1722.00					1722.00				
21	4030	RCP APRON FOOTINGS 4030.221	EACH	3.00					3.00				
22	4030	18" RCP APRON 4030.222	EACH	1.00					1.00				
23	4030	24" RCP APRON 4030.222	EACH	1.00					1.00				
24	4030	36" RCP APRON 4030.222	EACH	1.00					1.00				
25	4030	PIPE APRON GUARD, 18" RCP, IN PLACE 4030.224	EACH	1.00					1.00				
26	4030	PIPE APRON GUARD, 24" RCP, IN PLACE 4030.224	EACH	1.00					1.00				
27	4030	PIPE APRON GUARD, 36" RCP, IN PLACE 4030.224	EACH	1.00					1.00				
28	4040	SUBDRAIN, TYPE S, 6 IN.	LF	9545.10					9545.10				
29	4040	SUBDRAIN CONNECTIONS, CONNECT TO EXISTING SUBDRAIN, 6 IN.	EACH	18.00					18.00				
30	4040	SUBDRAIN OUTLETS, 4040.233	EACH	90.00					90.00				
31	5010	WATER MAIN, TRENCHED, DUCTILE IRON PIPE (DIP), 16 IN, POLY WRAPPED	LF		1636.50				1636.50				
32	5010	WATER MAIN, TRENCHED, DUCTILE IRON PIPE (DIP), 12 IN, POLY WRAPPED	LF		68.50				68.50				
33	5010	WATER MAIN, TRENCHED, DUCTILE IRON PIPE (DIP), 8 IN, POLY WRAPPED	LF		40.10				40.10				
34	5010	WATER MAIN, TRENCHED, DUCTILE IRON PIPE (DIP), 6 IN, POLY WRAPPED, (HYD EXT)	LF		130.80				130.80				
35	5010	GASKETS, NITRILE	EACH		5.00				5.00				
36	5010	FITTINGS BY COUNT, DUCTILE IRON, 12 IN, MJ CAP	EACH		1.00				1.00				
37	5010	FITTINGS BY COUNT, DUCTILE IRON, 16 IN, 45° ELBOW	EACH		12.00				12.00				
38	5010	FITTINGS BY COUNT, DUCTILE IRON, 16 IN, 11.25° ELBOW	EACH		2.00				2.00				
39	5010	FITTINGS BY COUNT, DUCTILE IRON, 6 IN, 22.5° ELBOW	EACH		1.00				1.00				
40	5010	FITTINGS BY COUNT, DUCTILE IRON, 6 IN, 45° ELBOW	EACH		1.00				1.00				
41	5010	FITTINGS BY COUNT, DUCTILE IRON, 16 IN X 16IN X 12 IN, TEE	EACH		1.00				1.00				
42	5011	FITTINGS BY COUNT, DUCTILE IRON, 16 IN X 16IN X 8 IN, TEE	EACH		1.00				1.00				
43	5010	VALVE, BUTTERFLY, DIP, 16 IN	EACH		4.00				4.00				
44	5010	VALVE, GATE, DIP, 12 IN	EACH		1.00				1.00				
45	5010	VALVE, GATE, DIP, 8 IN	EACH		2.00				2.00				
46	5010	VALVE, GATE, DIP, 6 IN	EACH				1.00		1.00				
47	5010	VALVE, ADJUSTMENT	EACH				3.00		3.00				
48	5020	FIRE HYDRANT ASSEMBLY	EACH		2.00				2.00				
49	5020	ALTERNATE FIRE HYDRANT ASSEMBLY	EACH		4.00				4.00				
50	5020	FIRE HYDRANT, END OF MAIN	EACH		1.00				1.00				
51	5020	FIRE HYDRANT ASSEMBLY, REMOVE & RELOCATE	EACH				5.00		5.00				
52	6010	MANHOLE, SW-401, 48 IN.	EACH	5.00					5.00				
53	6010	INTAKE, SW-507	EACH	18.00					18.00				
54	6010	INTAKE, SW-508	EACH	9.00					9.00				
55	6010	INTAKE, SW-509	EACH	11.00					11.00				
56	6010	INTAKE, SW-510	EACH	5.00					5.00				
57	6010	INTAKE, SW-513	EACH	8.00					8.00				
58	6010	INTAKE, SW-545	EACH	2.00					2.00				
59	6010	CONNECTION TO EXISTING MANHOLE OR INTAKE	EACH	6.00					6.00				
60	6010	REMOVALS, MANHOLE OR INTAKE	EACH	15.00					15.00				
61	7010	STANDARD OR SLIP FORM PORTLAND CEMENT CONCRETE PAVEMENT, CLASS C-SUD, CLASS 3 DURABILITY, 9 IN.	SY	26379.7					26379.70				
62	7010	CONCRETE MEDIAN, STANDARD PAVEMENT, CLASS C-4, CLASS 3 DURABILITY, 6 IN.	SY	68.50					68.50				
63	2304	TEMPORARY PAVEMENT, 6" PCC	SY	45.00					45.00				
64	7010	CURB AND GUTTER, ROLLED, 6 IN.	LF	75.00					75.00				
65	7030	REMOVAL OF SIDEWALK, SHARED USE PATH, OR DRIVEWAY	SY	1251.70					1251.70				
66	7030	SHARED USE PATHS, PCC, 6 IN.	SY	5652.30					5652.30				
67	7030	PCC SIDEWALK, PCC, 4 IN.	SY	1087.80					1087.80				
68	7030	PCC SIDEWALK, PCC, 6 IN.	SY	114.50					114.50				
69	7030	BRICK PAVERS, TYPE 1 TAN	SY	1319.50					1319.50				
70	7030	BRICK PAVERS, TYPE 2 RED	SY	1522.00					1522.00				

Item 17.



WEST 27th STREET RECON  
 RC-000-3240  
 ESTIMATED QUANTITIES

DATE: 3-25-2022  
 PROJECT NO.: 60637669  
 MILESTONE: FINAL PLANS  
 SHEET NO.:  
 DRAWING NO.: 125

REVISIONS

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### ESTIMATED PROJECT QUANTITIES (UP TO A 5 DIVISION PROJECT)

Division 1: City of Cedar Falls  
 Division 2: Cedar Falls High School  
 Division 3: University of Northern Iowa Enhancements  
 Division 4: Cedar Falls Utilities  
 Division 5:

This Data Entry Sheet fills Tab 100-1C effective 04-17-12

Item No.	Item Code	Item	Unit	Quantities									
				Estimated				As Built					
				Division 1	Division 2	Division 3	Division 4	Total	Division 1	Division 2	Division 3	Division 4	
71	7030	DETECTABLE WARNINGS, CAST IRON	SF	813.00					813.00				
72	7030	DRIVEWAYS, PCC, 6 IN.	SY	168.0					168.00				
73	7030	GRANULAR DRIVEWAY SURFACING, CLASS A	TON	104.60					104.60				
74	7040	REMOVAL OF PAVEMENT	SY	21566.10					21566.10				
75	7040	CURB AND GUTTER REMOVAL	LF	1040.00					1040.00				
76	7040	SAWCUT FOR REMOVALS	LF	486.00					486.00				
77	8010	TRAFFIC SIGNALIZATION, RRFB	LS	1.00					1.00				
78	8010	TEMPORARY TRAFFIC SIGNAL	LS	1.00					1.00				
79	8010	TRAFFIC SIGNAL REMOVAL	LS	1.00					1.00				
80	8020	PAINTED PAVEMENT MARKINGS, SOLVENT WATERBORNE	STA	297.16					297.16				
81	8020	WET, RETROREFLECTIVE REMOVABLE TAPE MARKINGS	STA	1.88					1.88				
82	8020	PAINTED SYMBOLS AND LEGENDS, SOLVENT WATERBORNE	EACH	29.00					29.00				
83	8030	TRAFFIC CONTROL	LS	1.00					1.00				
84	8030	PORTABLE DYNAMIC MESSAGE SIGN	CDAY	15.00					15.00				
85	8030	FLAGGER	EACH	30.00					30.00				
86	8030	SAFETY CLOSURE	EACH	13.00					13.00				
87	8030	TEMPORARY BUSINESS ACCESS SIGNS	EACH	17.00					17.00				
88	2401	REMOVAL OF CONCRETE FOOTINGS	EACH	17.00					17.00				
89	2523	LIGHT POLES, REMOVE & REINSTALL	EACH	2.00					2.00				
90	2523	LIGHT POLES, 33'-6" METAL POLE W/ BREAKAWAY BASE AND 12' MAST ARM	EACH	51.00					51.00				
91	2523	LIGHTING, LANDSCAPE LUMINAIRE	EACH			2.00			2.00				
92	2523	ELECTRICAL CIRCUITS	LF	9165.00					9165.00				
93	2523	ELECTRICAL CIRCUITS, PULL ROPE ONLY	LF	4920.00					4920.00				
94	2523	HANDHOLES AND JUNCTION BOXES	EACH	18.00					18.00				
95	2523	CONTROL CABINET	EACH	1.00					1.00				
96	2524	TYPE A SIGNS, SHEET ALUMINUM	SF	775.80					775.80				
97	2524	PERFORATED SQUARE STEEL TUBE POSTS	LF	1082.80					1082.80				
98	2524	PERFORATED SQUARE STEEL TUBE POST ANCHOR, BREAK-AWAY SOIL INSTALLATION	EACH	97.00					97.00				
99	2524	REMOVAL OF TYPE A SIGN ASSEMBLY	EACH	24.00					24.00				
100	2524	REMOVE & REINSTALL OF TYPE B SIGN ASSEMBLY	EACH	2.00					2.00				
101	9010	WATERING	MGAL	100.00					100.00				
102	9030	LANDSCAPING	LS	0.33	0.33	0.33			1.00				
103	9040	SWPPP MANAGEMENT	LS	1.00					1.00				
104	9040	STABILIZED CONSTRUCTION ENTRANCE	TON	96.00					96.00				
105	9040	TEMPORARY HYDRO-SEEDING, TYPE 1	ACRE	3.00					3.00				
106	9040	SEEDING, FERTILIZING, AND MULCHING FOR HYDRAULIC SEEDING, TYPE 1	ACRE	3.00					3.00				
107	9040	SEEDING, FERTILIZING, AND MULCHING FOR HYDRAULIC SEEDING, TYPE 2	ACRE	3.00					3.00				
108	9040	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 12 IN.	LF	16352.00					16352.00				
109	9040	REMOVAL OF PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE	LF	16352.00					16352.00				
110	9040	SILT FENCE INSTALLATION	LF	7085.00					7085.00				
111	9040	MAINTENANCE OF SILT FENCE	LF	5000.00					5000.00				
112	9040	REMOVAL OF SILT FENCE	LF	7085.00					7085.00				
113	9040	ROLLED EROSION CONTROL PRODUCT, TYPE II	SY	825.75					825.75				
114	9040	REVTMENT, CLASS E RIP RAP APRON (& ENG. FABRIC) FOR PIPE OUTLET, 9040.111	TON	39.40					39.40				
115	2602	OPEN-THROAT CURB INTAKE SEDIMENT FILTER	LF	480.70					480.70				
116	2602	MAINTENANCE OF OPEN-THROAT CURB INTAKE SEDIMENT FILTER	EACH	45.00					45.00				
117	2602	REMOVAL OF OPEN-THROAT CURB INTAKE SEDIMENT FILTER	EACH	45.00					45.00				
118	2602	INTAKE PROTECTION, SEDIMENT CONTROL DEVICE, 12 IN	EACH	8.00					8.00				
119	2602	MAINTENANCE OF INTAKE PROTECTION, SEDIMENT CONTROL DEVICE	EACH	8.00					8.00				
120	2602	REMOVAL OF INTAKE PROTECTION, SEDIMENT CONTROL DEVICE	EACH	8.00					8.00				
121	2602	MOWING	ACRE	6.00					6.00				
122	2519	FIELD FENCE, BRACE PANELS	EACH	2.00					2.00				
123	9060	FIELD FENCE, REMOVAL	LF	171.00					171.00				
124	11010	CAST IRON MONUMENT BOX	EACH	2.00					2.00				
125	11020	MOBILIZATION	LS	1.00					1.00				
126	11050	CONCRETE WASHOUT	LS	1.00					1.00				

Item 17.

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WEST 27th STREET RECON  
 RC-000-3240

ESTIMATED QUANTITIES

DATE 3-25-2022

PROJECT NO. 60637669

MILESTONE FINAL PLANS

SHEET NO.

DRAWING NO. 126



ESTIMATE REFERENCE INFORMATION		
This Data Entry Sheet fills Tab 100-4A effective 10-29-02		
Item No.	Item Code	Description
1	2010	<b>CLEARING AND GRUBBING</b> Bid item shall include all equipment, materials, and labor needed to clear and/or grub the area within the project limits associated with the improvements noted in the contract documents. Resulting waste from the clearing and grubbing process shall become the property of the contractor. Hauling and disposal of this material shall be considered incidental to this bid item. Contractor shall remove and dispose of downed timber and grub all stumps. Refer to Tabulation 110-17.
2	2010	<b>ONSITE TOPSOIL</b>
3	2010	<b>OFFSITE TOPSOIL</b> See I-Sheets. Quantity is for stripping of 8" of topsoil from the limits of construction, stockpiling and subsequent placement of 8" of topsoil on earth shoulders, foreslopes, backslopes and ditch bottoms.
4	2010	<b>EXCAVATION, CLASS 10, ROADWAY AND BORROW</b>
5	2010	<b>EXCAVATION, CLASS 10, BORROW</b> Contract unit price per CY of Class 10, shall be full compensation for all excavating, placement, hauling and placing material to the final design grade. See I-Sheets for information. Class 10, Roadway and Borrow quantity is based on raw volume calculations. Overhaul will not be paid separately but considered incidental to price bid. The UNI driveway has an estimated 275 CY of Class 10, Roadway and Borrow.
6	2010	<b>EXCAVATION, CLASS 13</b> Estimated quantity for the excavation of rubble that may be encountered on this project.
7	2010	<b>SUBGRADE PREPARATION, 12 IN.</b> See Typical Sections in B-Sheets for locations and details. The 12" area includes the proposed 9" pavement area plus 3.0' on each side. 6" area includes medians on Hudson Road. 4" includes sidewalks & driveways plus 1'.
8	2010	<b>SUBGRADE TREATMENT, GEOGRID</b> Bid item shall be placed at the discretion of the Engineer. See Special Provisions.
9-11	2010	<b>SUBBASE, MODIFIED, 4"</b>
	2010	<b>SUBBASE, MODIFIED, 6"</b>
	2010	<b>SUBBASE, MODIFIED, 12"</b> Quantity is based on the roadway paving plus 3 feet beyond the back of curb (30444 SY), sidewalk and trail areas plus 1 foot beyond edge of paving (8342.7 SY), PCC driveway areas plus 1 foot beyond edge of paving (168 SY), median areas assumed at 6" depth (366 SY), and UNI's Driveway replacement plus 1 foot beyond edge of paving (1125.6 SY). See Typical Sections on B-Sheets for locations and more information.
12	10010	<b>REMOVALS, STRUCTURES</b> Contractor shall remove and salvage to UNI bus bench and solar panel mount. Refer to sheet R-07 for more information. Footing removal and delivery are incidental to this bid item. Contractor shall coordinate with UNI on delivery.
13	3010	<b>REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL</b> Unsuitable materials are defined in SUDAS Section 3010. Replace unsuitable backfill materials with Class II Materials as defined in SUDAS section 3010 2.03.
14-19	4020	<b>STORM SEWER, TRENCHED, RCP, CLASS III, 15 IN.</b>
	4020	<b>STORM SEWER, TRENCHED, RCP, CLASS III, 18 IN.</b>
	4020	<b>STORM SEWER, TRENCHED, RCP, CLASS III, 24 IN.</b>
	4020	<b>STORM SEWER, TRENCHED, RCP, CLASS III, 30 IN.</b>
	4020	<b>STORM SEWER, TRENCHED, RCP, CLASS III, 36 IN.</b>
	4020	<b>STORM SEWER, TRENCHED, RCP, CLASS III, 37x23 IN ARCH PIPE</b> Refer to SUDAS Standard Specifications 4020. See Tabulation 104-5B on sheets M.01 and M.02 for details. Refer to M-Sheets for locations and additional information.
20	4020	<b>REMOVAL OF STORM SEWER, RCP, LESS THAN 36 IN.</b> Refer to Tab 110-14 on sheet R.01 for information. See R-Sheets for locations and details. All items removed as
21	4030	<b>RCP APRON FOOTINGS 4030.221</b> Refer to SUDAS Standard Specification 4030.221. All RCP aprons shall have footings. Refer to the M-Sheets for locations.
22-24	4030	<b>18" RCP APRON 4030.222</b>
	4030	<b>21" RCP APRON 4030.222</b>
	4030	<b>36" RCP APRON 4030.222</b> Refer SUDAS Figure 4030.221. See Tabulation 104-5B on sheets M.01 and M.02 for details. Refer to M-Sheets for locations and additional information.
25-27	4030	<b>PIPE APRON GUARD, 18" RCP, IN PLACE 4030.224</b>
	4030	<b>PIPE APRON GUARD, 21" RCP, IN PLACE 4030.224</b>
	4030	<b>PIPE APRON GUARD, 36" RCP, IN PLACE 4030.224</b> Refer to SUDAS Standard Specification 4030.224. Refer to M-Sheets for Apron Locations and sizes.
28-30	4040	<b>SUBDRAIN, TYPE 5, 6 IN.</b>
	4040	<b>SUBDRAIN CONNECTIONS, CONNECT TO EXISTING SUBDRAIN, 6 IN.</b>
	4040	<b>SUBDRAIN OUTLETS, 4040.233</b> Refer to Tabulation 104-9 on Sheet C.09.
31-34	5010	<b>WATER MAIN, TRENCHED, DUCTILE IRON PIPE (DIP), 16 IN, POLY WRAPPED</b>
	5010	<b>WATER MAIN, TRENCHED, DUCTILE IRON PIPE (DIP), 12 IN, POLY WRAPPED</b>
	5010	<b>WATER MAIN, TRENCHED, DUCTILE IRON PIPE (DIP), 8 IN, POLY WRAPPED</b>
	5010	<b>WATER MAIN, TRENCHED, DUCTILE IRON PIPE (DIP), 6 IN, POLY WRAPPED FOR HYDRANT EXTENSIONS</b> See Tabulation on sheet C.03. Refer to MWM-Sheets for details and locations. Contractor shall poly wrap all Ductile Iron pipe. All utility conflict crossings shall be field verified by contractor and must maintain 18" of clearance. Contractor shall notify Engineer 2 working days prior to testing to coordinate operations. disinfecting and testing is incidental to the construction of pipe. Granular bedding and backfill shall meet SUDAS detail 3010.104, Class P-3.
35	5010	<b>GASKETS, NITRILE</b> Contractor shall use Nitrile Gaskets where required when Sanitary Sewer is within 10 feet. Quantity is based on 1 gasket falling in 10' at the only anticipated sanitary crossing Sta:43+61.19.
36-42	5010	<b>FITTINGS BY COUNT, DUCTILE IRON, 12 IN, MJ CAP</b>
	5010	<b>FITTINGS BY COUNT, DUCTILE IRON, 16 IN, 45° ELBOW</b>
	5010	<b>FITTINGS BY COUNT, DUCTILE IRON, 16 IN, 11.25° ELBOW</b>
	5010	<b>FITTINGS BY COUNT, DUCTILE IRON, 6 IN, 22.5° ELBOW</b>
	5010	<b>FITTINGS BY COUNT, DUCTILE IRON, 6 IN, 45° ELBOW</b>
	5010	<b>FITTINGS BY COUNT, DUCTILE IRON, 16 IN X 16IN X 12 IN, TEE</b>
	5011	<b>FITTINGS BY COUNT, DUCTILE IRON, 16 IN X 16IN X 8 IN, TEE</b> See Tabulation on sheet C.03. Refer to MWM-Sheets for details and locations. Joints shall be Mechanical.

43-46	5010	<b>VALVE, BUTTERFLY, DIP, 16 IN</b>
	5010	<b>VALVE, GATE, DIP, 12 IN</b>
	5010	<b>VALVE, GATE, DIP, 8 IN</b>
	5010	<b>VALVE, GATE, DIP, 6 IN</b> See Tabulation on sheet C.03. Refer to MWM-Sheets for details and locations. Joints shall be Mechanical. All 16" Butterfly valves shall be have gear box and 2" square nut. 6 in valve shall be used on the long hydrant extension at Sta: 79+55.
47	5010	<b>VALVE, ADJUSTMENT</b> Contractor shall adjust all existing valve boxes within construction limits to match finished grade. See MWM.05 for additional information and locations.
48-50	5010	<b>FIRE HYDRANT ASSEMBLY</b>
	5010	<b>ALTERNATE FIRE HYDRANT ASSEMBLY</b>
	5020	<b>FIRE HYDRANT, END OF MAIN</b> See Tabulation on sheet C.03. Refer to MWM-Sheets for details and locations. Joints shall be Mechanical.
51	5020	<b>FIRE HYDRANT ASSEMBLY, REMOVE &amp; RELOCATE</b> Quantity is for relocation of existing hydrants along the north side of 27th Street between Tiger Parkway and Hudson Rd. See Tabulation on sheet C.03. Refer to Sheet MWM.05 for details and locations. All joints shall be Mechanical.
52-58	6010	<b>MANHOLE, SW-401, 48 IN.</b>
	6010	<b>INTAKE, SW-507</b>
	6010	<b>INTAKE, SW-508</b>
	6010	<b>INTAKE, SW-509</b>
	6010	<b>INTAKE, SW-510</b>
	6010	<b>INTAKE, SW-513</b>
	6010	<b>INTAKE, SW-545</b> Refer to Tabulation 104-5B on sheets M.01 and M.02 for details. Refer to M-Sheets for locations and additional information.
59	6010	<b>CONNECTION TO EXISTING MANHOLE OR INTAKE</b> Measurement and payment per each connection includes all connection costs. Refer to M-Sheets for locations and details.
60	6010	<b>REMOVALS, MANHOLE OR INTAKE</b> Refer to Tabulation 110-2 on sheet R.01. See R-sheets for locations and details. All items removed as part of this bid item shall be removed from the project site by the contractor.
61	7010	<b>STANDARD OR SLIP FORM PORTLAND CEMENT CONCRETE PAVEMENT, CLASS C-SUD, CLASS 3 DURABILITY, 9 IN.</b> Quantity is for 9" PCC Pavement for 27th St including full-width pavement, pavement widening, intersections and roundabouts. See typical on B-Sheets for locations. Refer to Standard Road Plans for details on construction joints in pavement. Refer to L-Sheets for grading and jointing information. Quantity includes 6-inch standard curb as shown in the typical and intersection details. Contract unit price per SY, including all required joints, shall be considered full compensation for the construction of pavement.
62	7010	<b>CONCRETE MEDIAN, STANDARD PAVEMENT, CLASS C-4, CLASS 3 DURABILITY, 6 IN.</b> Quantity is for 6" PCC median pavement on Hudson Road. Modified subbase shall be used Road (Standard Pavement). Modified subbase shall be 6" under median pavement areas and is included in the modified subbase bid item. See Tab 112-5 in C-sheets.
63	7010	<b>TEMPORARY PAVEMENT, 6" PCC</b> Refer to J-Sheets for locations. Expansion joints and cold weather protection shall be incidental. Temporary Pavement shall be 6" PCC.
64	7010	<b>CURB AND GUTTER, ROLLED, 6 IN.</b> Quantity is for the northeast and southeast quadrants of Hudson Rd & 27th Street and median nose at Hudson. to SUDAS Figure 7010.102. See Tabulation 112-4 on Sheet C.05 for locations.
65	7030	<b>REMOVAL OF SIDEWALK, SHARED USE PATH, OR DRIVEWAY</b> Item includes all removals of sidewalk/trails/shared use paths and PCC driveways. Estimated quantity for driveway removal at Sta 61+60 is 110.3 SY, all remaining estimated quantity is sidewalk removal. Full-depth saw cuts shall be provided at all locations where portions of the existing pavement are being removed. All saw-cuts, removal and disposal of pavement are included in the bid price for this item. See Tabulation 110-5 and 110-8 on sheet sheet R.01. See R-Sheets for locations and details.
66	7030	<b>SHARED USE PATHS, PCC, 6 IN.</b> Quantity is for paving a 10' recreational trail along the north side of 27th Street. PCC shall be Class C, Class 3 Durability.
67-68	7030	<b>PCC SIDEWALK, PCC, 4 IN.</b>
	7030	<b>PCC SIDEWALK, PCC, 6 IN.</b> See D-Sheets and S-Sheets for locations. PCC shall be Class C, Class 3 Durability. All sidewalks shall be paved at 4" thickness except in ramp areas and/or any panels that will have a detectable warning plate(s) installed which shall be at 6" thickness.
69-70	7030	<b>BRICK PAVERS, TYPE 1 TAN</b>
	7030	<b>BRICK PAVERS, TYPE 2 RED</b> See R1-Sheets for additional information.
71	7030	<b>DETECTABLE WARNINGS, CAST IRON</b> See S-Sheets for locations. Refer to SUDAS Fig 7030.210 for placement.
72	7030	<b>DRIVEWAYS, PCC, 6 IN.</b> Item is for paving the PCC approaches to driveways along the project corridor. See D-Sheets for locations and details. PCC shall be Class C, Class 3 Durability.
73	7030	<b>GRANULAR DRIVEWAY SURFACING, CLASS A</b> Refer to Tab 102-3 in the C-Sheets. See D-Sheets for details.
74	7040	<b>REMOVAL OF PAVEMENT</b> Item pertains to removal of all PCC pavement, HMA pavement, or composite overlaid PCC/HMA pavement on the project. Full-depth saw cuts shall be provided at all locations where portions of the existing pavement are being removed. All saw-cuts, removal and disposal of pavement are included in the bid price for this item. See See Tabulation 110-1 on sheet R.01. See R-Sheets for locations.
75	7040	<b>CURB AND GUTTER REMOVAL</b> Item pertains to removal of all Curb & Gutter areas as shown in the R-Sheets. Refer to Tabulation 110-4 on sheet R.01 and R-Sheets for locations and details. Full-depth saw cuts shall be provided at all locations where portions of the existing pavement are being removed. All saw-cuts, removal and disposal of pavement are included in the bid price for this item.
76	7040	<b>SAWCUT FOR REMOVALS</b> Measure and payment quantity based on the lineal feet of sawcuts necessary for removals.
77	8010	<b>TRAFFIC SIGNALIZATION, RRFB</b> Item is for furnishing and installing a traffic signal at Hudson Road and 27th Street and RRFB at Panther Parkway. All work shall comply with the Iowa DOT Standard Specifications, Section 2525. Measurement and payment for this (lump sum) includes all labor, materials and construction to result in a functional signal system. Refer to N-Sheets for locations and details. Schedule of values shall be submitted at pre-construction meeting.





78	8010	TEMPORARY TRAFFIC SIGNAL	See N-sheets for individual quantities, notes and details. Schedule of values shall be submitted at pre-construction meeting.
79	8010	TRAFFIC SIGNAL REMOVAL	See Sheet N.02 and N.03 for individual quantities, notes and details. Contractors shall salvage listed materials on sheet N.03. All unwanted materials shall be disposed of by contractor.
80-81	8020	PAINTED PAVEMENT MARKINGS, SOLVENT WATERBORNE	
	8020	WET, RETROREFLECTIVE REMOVABLE TAPE MARKINGS	Refer to Tabulation 110-22 in the C-Sheets for locations.
82	8020	PAINTED SYMBOLS AND LEGENDS, SOLVENT WATERBORNE	Refer to Tabulation 108-29 in the C-Sheets for locations.
83	8030	TRAFFIC CONTROL	Refer to J-sheets for traffic control details and staging plan. Incidental items include all signs and barricades as detailed hereon and as required by the Engineer; and all other work necessary to control traffic during construction. All traffic control signs shall be Florescent Orange VIP sheeting. All traffic control shall meet the requirements of the City of Cedar Falls and the 2009 Manual on Uniform Traffic Control Devices (MUTCD). Additional traffic control items necessary to accommodate changes to construction staging per the contractors request or modifications to the plan shall be incidental to the traffic control item. Maintenance and removal of closures are incidental. Sidewalk closures, sidewalk diversions, and pedestrian path closures shall be in accordance with SUDAS Standard Details and will be incidental to the bid item. Traffic control signing and posts required for traffic control signing shall be incidental to the Traffic Control bid item and will not be paid for separately.
84	8030	PORTABLE DYNAMIC MESSAGE SIGN	Refer to Traffic Control Plan and IDOT Standard Specification Section 4188 for details. Portable Dynamic Message Sign will be used in advance of traffic switches or road closures at the direction of the Engineer.
85	8030	FLAGGER	Flaggers shall be used at the discretion of the Engineer for changes in staging, paving operations or utility Construction.
86	8030	SAFETY CLOSURE	Refer to Tabulation 110-13A on sheet C.03 for locations and see J-Sheets for additional information.
87	8030	TEMPORARY BUSINESS ACCESS SIGNS	Quantity includes access signs for each phase. Access signs shall be installed for the Tall Prairie Grass Center, The Quarters Apartment Complex and UNI's parking lots off Panther Parkway. Locations and details shall be at the direction of the Engineer and will be discussed prior to closures. All signage shall meet the requirements of the City of Cedar Falls and the 2009 Manual on Uniform Traffic Control Devices (MUTCD).
88	2401	REMOVAL OF CONCRETE FOOTINGS	Refer to Tabulation 110-16 on sheet R.01 and R-Sheets for more information and locations. Light poles owned by CFU will be removed by others. Contractor will be responsible for all footing removals and the removal of any poles not owned CFU. Contractor shall coordinate removals with CFU.
89	2523	LIGHT POLES, REMOVE & REINSTALL	Item is for relocating of existing trail light poles near the Existing UNI trail. For existing location refer to R-Sheets. Existing steel light poles, luminaires and transformer bases shall be salvaged and relocated from their existing position. This bid item includes construction of new LI-201 footing, new ground rod and wire, connection to existing conduit system, removal and re-erection of poles, connecting new conduit from the new base to the existing conduit system, removal of the existing wiring, connectors in the pole base, testing, and all other work required to result in a functional lighting system. All work shall comply with the Iowa DOT Standard Specifications, Section 2523. Measurement and payment per each will be full compensation for all described work.
90-91	2523	LIGHT POLES, 33'-6" METAL POLE W/ BREAKAWAY BASE AND 12' MAST ARM	
	2523	LIGHTING, LANDSCAPE LUMINAIRE	THE LANDSCAPE LUMINAIRES SHALL BE PLACED PER MANUFACTURES SPECIFICATIONS FOR LIGHTING THE UNI SIGN. THE BID ITEM SHALL BE MEASURED AND PAID FOR PER EACH INSTALLED LUMINAIRE AND WILL INCLUDE ALL LABOR AND MATERIALS FOR INSTALLATION OF FOOTINGS, WIRING, CONDUIT, WEATHERPROOF JUCTION BOX, AND HARDWARE. THE LUMINAIRES SHALL BE EITHER HUBBELL (RFL2-44L-25-4K7-W-UMV-K-DB) OR GRADCO (CSFS-16L-700-NW-GI-YK-RM-DD-B2) AND FIXTURE SHALL BE 4.7" x 7.5" COMPACT LED FLOODLIGHT WITH CORROSION RESISTANT, DIE-CAST ALUMINUM HOUSING WITH POWDER COAT FINISH, HIGH IMPACT UB STABILIZED ACRYLIC OUTER LENS, WIDE DISTRIBUTION, ADJUSTABLE KNUCKLE MOUNT, WET LOCATION LISTED, ADM INTEGRAL 0-10V DRIVER. LED - 3327 LUMENS - 250W 400K WITH VOLTAGE OF 120-277. Conduit and power from the handholed to the sign in the roundabout shall be incidental to the landscaping bid item.
92-94	2523	ELECTRICAL CIRCUITS	
	2523	ELECTRICAL CIRCUITS, PULL ROPE ONLY	
	2523	HANDHOLES AND JUNCTION BOXES	Refer to P-sheets for locations and details.
95	2523	CONTROL CABINET	Refer to N-Sheets for locations and details. Control Cabinet shall use Standard Road Plan LI-152. Bid item includes installing new light poles and circuits along the project corridor. See P-Sheets for additional information and locations.
96	2524	TYPE A SIGNS, SHEET ALUMINUM	See Tabulation 190-51 and 190-66 in the C-Sheets for information and see N-100 sheets for addition details.
97-98	2524	PERFORATED SQUARE STEEL TUBE POSTS	
	2524	PERFORATED SQUARE STEEL TUBE POST ANCHOR, BREAK-AWAY SOIL INSTALLATION	Refer to Tabulation 190-51 in the C-Sheets for post types. See N-100 Sheets for additional information.
99	2524	REMOVAL OF TYPE A SIGN ASSEMBLY	Quantity is for the removal of existing signs. See Tabulation 190-62 and R-Sheets for locations. Price shall include all labor and materials necessary for removal.
100	2524	REMOVE AND REINSTALL TYPE B SIGN, AS PER PLAN	Quantity shall be measured and paid based on number of Type B signs removed and reinstalled. Includes all labor and materials necessary for removal of sign and base, reinstallation of existing sign and new concrete footing. See B-Sheet for Type B Concrete footing detail.
101	9010	WATERING	Bid item shall be used to water seeding areas and/or plantings if natural rainfall isn't adequate at the discretion of the engineer. If natural rainfall is adequate, watering may not be required.
102	9030	LANDSCAPING	See I-Sheets for details, notes and plan sheets. Measurement will be lump sum and shall be paid on percent complete. Schedule of values shall be submitted at pre-construction meeting. Conduit and power from the handhole to the sign in the roundabout shall be incidental to the landscaping bid item.
103	9040	SWPPP MANAGEMENT	Refer to the Pollution Prevention Plan (PPP) and EC-Sheets. Contractor is responsible for completing weekly reports and inspections for City submittal and PPP Compliance.
104	9040	STABILIZED CONSTRUCTION ENTRANCE	Refer to SUDAS Figure 9040.20 for details. Quantity based construction of a 50' length by 20' width and 6" deep with 1:1 flares at the roadway. Each standard size entrance will require approximately 48 TN of erosion stone.
105	9040	TEMPORARY HYDRO-SEEDING, TYPE I	Refer to EC-Sheets.
106-107	9040	SEEDING, FERTILIZING, AND MULCHING FOR HYDRAULIC SEEDING, TYPE 1	
	9040	SEEDING, FERTILIZING, AND MULCHING FOR HYDRAULIC SEEDING, TYPE 2	Refer to EC-Sheets. Estimate quantity is based on covering all disturbed areas except those under the pavement. Contractor shall use Bonded Fiber Matrix (BFM) Hydromulching on all areas. Hydroseeding shall be required on all permanent seeding areas.

108-109	9040	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 12 IN.	
	9040	REMOVAL OF PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE	Refer to SUDAS Figure 9040.105. See Tabulation 110-19 on sheet EC.02 for locations and sizes. Refer to EC-Sheets for additional information. Contractor is responsible for removing all sediment control devices after permanent stabilization and approval from Engineer.
110-112	9040	SILT FENCE INSTALLATION	
	9040	MAINTENANCE OF SILT FENCE	
	9040	REMOVAL OF SILT FENCE	Refer to SUDAS Figure 9040.119. See EC-Sheets, PPP and tabulation 100-17 on sheet EC.02 for locations and information. Contractor is responsible for removing all sediment control devices after permanent stabilization and approval from Engineer.
113	9040	ROLLED EROSION CONTROL PRODUCT, TYPE II	Refer to SUDAS Figures 9040.103 & 9040.104. See tabulation 100-22 on sheet EC.02, EC-Sheets and PPP for additional information.
114	9040	REVTMENT, CLASS E RIP RAP APRON (& ENG. FABRIC) FOR PIPE OUTLET, 9040.111	Contractor shall place revetment around aprons at storm sewer outlet areas. Engineering fabric shall be placed under each area and is incidental to this item. Refer to SUDAS Figure 9040.111 for details. See EC-Sheets for locations and details.
115-117	2002	OPEN-THROAT CURB INTAKE SEDIMENT FILTER	
	2002	MAINTENANCE OF OPEN-THROAT CURB INTAKE SEDIMENT FILTER	
	2002	REMOVAL OF TEMPORARY INTAKE OR MANHOLE COVER ASSEMBLY	Refer to EC-Sheets for locations and information.
118-120	2002	INTAKE PROTECTION, SEDIMENT CONTROL DEVICE, 12 IN	
	2002	MAINTENANCE OF INTAKE PROTECTION, SEDIMENT CONTROL DEVICE	
	2002	REMOVAL OF INTAKE PROTECTION, SEDIMENT CONTROL DEVICE	Refer to EC-Sheets for locations and information. Contractor is responsible for removing all covers after permanent stabilization and approval from Engineer.
121	2002	MOWING	Item shall be used as directed by the Engineer at time of construction.
122	2519	FIELD FENCE BRACE PANELS	See sheet D.03 for locations.
123	9060	FIELD FENCE, REMOVAL	Item is for removal and disposal of existing field fence as shown on the plans or as directed by the Engineer during construction. See Tabulation 100-7 for details and sheet R.02 for location.
124	10010	CAST IRON MONUMENT BOX	See detail in G-Sheets. Method of Measurement and payment shall be on a per each basis for each cast iron monument box installed and shall include all work and materials necessary to set monument box in pavement. Catalog Clips shall be submitted to the engineer before placement.
125	11020	MOBILIZATION	
126	11050	CONCRETE WASHOUT	Contractor is responsible for maintenance, possible relocation for staging, disposal and collection.

Item 17.

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WEST 27th STREET RECON  
RC-000-3240

ESTIMATED QUANTITIES

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	128



78	8010	TEMPORARY TRAFFIC SIGNAL	See N-sheets for individual quantities, notes and details. Schedule of values shall be submitted at pre-construction meeting.
79	8010	TRAFFIC SIGNAL REMOVAL	See Sheet N.02 and N.03 for individual quantities, notes and details. Contractors shall salvage listed materials on sheet N.03. All unwanted materials shall be disposed of by contractor.
80-81	8020	PAINTED PAVEMENT MARKINGS, SOLVENT WATERBORNE	
	8020	WET, RETROREFLECTIVE REMOVABLE TAPE MARKINGS	Refer to Tabulation 110-22 in the C-Sheets for locations.
82	8020	PAINTED SYMBOLS AND LEGENDS, SOLVENT WATERBORNE	Refer to Tabulation 108-29 in the C-Sheets for locations.
83	8030	TRAFFIC CONTROL	Refer to J-sheets for traffic control details and staging plan. Incidental items include all signs and barricades as detailed hereon and as required by the Engineer; and all other work necessary to control traffic during construction. All traffic control signs shall be Florescent Orange VIP sheeting. All traffic control shall meet the requirements of the City of Cedar Falls and the 2009 Manual on Uniform Traffic Control Devices (MUTCD). Additional traffic control items necessary to accommodate changes to construction staging per the contractors request or modifications to the plan shall be incidental to the traffic control item. Maintenance and removal of closures are incidental. Sidewalk closures, sidewalk diversions, and pedestrian path closures shall be in accordance with SUDAS Standard Details and will be incidental to the bid item. Traffic control signing and posts required for traffic control signing shall be incidental to the Traffic Control bid item and will not be paid for separately.
84	8030	PORTABLE DYNAMIC MESSAGE SIGN	Refer to Traffic Control Plan and IDOT Standard Specification Section 4188 for details. Portable Dynamic Message Sign will be used in advance of traffic switches or road closures at the direction of the Engineer.
85	8030	FLAGGER	Flaggers shall be used at the discretion of the Engineer for changes in staging, paving operations or utility Construction.
86	8030	SAFETY CLOSURE	Refer to Tabulation 110-13A on sheet C.03 for locations and see J-Sheets for additional information.
87	8030	TEMPORARY BUSINESS ACCESS SIGNS	Quantity includes access signs for each phase. Access signs shall be installed for the Tall Prairie Grass Center, The Quarters Apartment Complex and UNI's parking lots off Panther Parkway. Locations and details shall be at the direction of the Engineer and will be discussed prior to closures. All signage shall meet the requirements of the City of Cedar Falls and the 2009 Manual on Uniform Traffic Control Devices (MUTCD).
88	2401	REMOVAL OF CONCRETE FOOTINGS	Refer to Tabulation 110-16 on sheet R.01 and R-Sheets for more information and locations. Light poles owned by CFU will be removed by others. Contractor will be responsible for all footing removals and the removal of any poles not owned CFU. Contractor shall coordinate removals with CFU.
89	2523	LIGHT POLES, REMOVE & REINSTALL	Item is for relocating of existing trail light poles near the Existing UNI trail. For existing location refer to R-Sheets. Existing steel light poles, luminaires and transformer bases shall be salvaged and relocated from their existing position. This bid item includes construction of new LI-201 footing, new ground rod and wire, connection to existing conduit system, removal and re-erection of poles, connecting new conduit from the new base to the existing conduit system, removal of the existing wiring, connectors in the pole base, testing, and all other work required to result in a functional lighting system. All work shall comply with the Iowa DOT Standard Specifications, Section 2523. Measurement and payment per each will be full compensation for all described work.
90-91	2523	LIGHT POLES, 33'-6" METAL POLE W/ BREAKAWY BASE AND 12' MAST ARM	
	2523	LIGHTING, LANDSCAPE LUMINAIRE	THE LANDSCAPE LUMINAIRES SHALL BE PLACED PER MANUFACTURES SPECIFICATIONS FOR LIGHTING THE UNI SIGN. THE BID ITEM SHALL BE MEASURED AND PAID FOR PER EACH INSTALLED LUMINAIRE AND WILL INCLUDE ALL LABOR AND MATERIALS FOR INSTALLATION OF FOOTINGS, WIRING, CONDUIT, WEATHERPROOF JUCTION BOX, AND HARDWARE. THE LUMINAIRES SHALL BE EITHER HUBBELL (RFL2-44L-25-4K7-W-UMV-K-DB) OR GRADCO (CSFS-16L-700-NW-GI-YK-RM-DD-B2) AND FIXTURE SHALL BE 4.7" x 7.5" COMPACT LED FLOODLIGHT WITH CORROSION RESISTANT, DIE-CAST ALUMINUM HOUSING WITH POWDER COAT FINISH, HIGH IMPACT UB STABILIZED ACRYLIC OUTER LENS, WIDE DISTRIBUTION, ADJUSTABLE KNUCKLE MOUNT, NET LOCATION LISTED, ADM INTEGRAL 0-10V DRIVER. LED - 3327 LUMENS - 250W 400K WITH VOLTAGE OF 120-277. Conduit and power from the handholed to the sign in the roundabout shall be incidental to the landscaping bid item.
92-94	2523	ELECTRICAL CIRCUITS	
	2523	ELECTRICAL CIRCUITS, PULL ROPE ONLY	
	2523	HANDHOLES AND JUNCTION BOXES	Refer to P-sheets for locations and details.
95	2523	CONTROL CABINET	Refer to N-Sheets for locations and details. Control Cabinet shall use Standard Road Plan LI-152. Bid item includes installing new light poles and circuits along the project corridor. See P-Sheets for additional information and locations.
96	2524	TYPE A SIGNS, SHEET ALUMINUM	See Tabulation 190-51 and 190-66 in the C-Sheets for information and see N-100 sheets for addition details.
97-98	2524	PERFORATED SQUARE STEEL TUBE POSTS	
	2524	PERFORATED SQUARE STEEL TUBE POST ANCHOR, BREAK-AWAY SOIL INSTALLATION	Refer to Tabulation 190-51 in the C-Sheets for post types. See N-100 Sheets for additional information.
99	2524	REMOVAL OF TYPE A SIGN ASSEMBLY	Quantity is for the removal of existing signs. See Tabulation 190-62 and R-Sheets for locations. Price shall include all labor and materials necessary for removal.
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101	9010	WATERING	Bid item shall be used to water seeding areas and/or plantings if natural rainfall isn't adequate at the discretion of the engineer. If natural rainfall is adequate, watering may not be required.
102	9030	LANDSCAPING	See I-Sheets for details, notes and plan sheets. Measurement will be lump sum and shall be paid on percent complete. Schedule of values shall be submitted at pre-construction meeting. Conduit and power from the handhole to the sign in the roundabout shall be incidental to the landscaping bid item.
103	9040	SWPPP MANAGEMENT	Refer to the Pollution Prevention Plan (PPP) and EC-Sheets. Contractor is responsible for completing weekly reports and inspections for City submittal and PPP Compliance.
104	9040	STABILIZED CONSTRUCTION ENTRANCE	Refer to SUDAS Figure 9040.20 for details. Quantity based construction of a 50' length by 20' width and 6" deep with 1:1 flares at the roadway. Each standard size entrance will require approximately 48 TN of erosion stone.
105	9040	TEMPORARY HYDRO-SEEDING, TYPE I	Refer to EC-Sheets.
106-107	9040	SEEDING, FERTILIZING, AND MULCHING FOR HYDRAULIC SEEDING, TYPE 1	
	9040	SEEDING, FERTILIZING, AND MULCHING FOR HYDRAULIC SEEDING, TYPE 2	Refer to EC-Sheets. Estimate quantity is based on covering all disturbed areas except those under the pavement. Contractor shall use Bonded Fiber Matrix (BFM) Hydromulching on all areas. Hydroseeding shall be required on all permanent seeding areas.

108-109	9040	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 12 IN.	
	9040	REMOVAL OF PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE	Refer to SUDAS Figure 9040.105. See Tabulation 110-19 on sheet EC.02 for locations and sizes. Refer to EC-Sheets for additional information. Contractor is responsible for removing all sediment control devices after permanent stabilization and approval from Engineer.
110-112	9040	SILT FENCE INSTALLATION	
	9040	MAINTENANCE OF SILT FENCE	
	9040	REMOVAL OF SILT FENCE	Refer to SUDAS Figure 9040.119. See EC-Sheets, PPP and tabulation 100-17 on sheet EC.02 for locations and information. Contractor is responsible for removing all sediment control devices after permanent stabilization and approval from Engineer.
113	9040	ROLLED EROSION CONTROL PRODUCT, TYPE II	Refer to SUDAS Figures 9040.103 & 9040.104. See tabulation 100-22 on sheet EC.02, EC-Sheets and PPP for additional information.
114	9040	REVTMENT, CLASS E RIP RAP APRON (& ENG. FABRIC) FOR PIPE OUTLET, 9040.111	Contractor shall place revetment around aprons at storm sewer outlet areas. Engineering fabric shall be placed under each area and is incidental to this item. Refer to SUDAS Figure 9040.111 for details. See EC-Sheets for locations and details.
115-117	2002	OPEN-THROAT CURB INTAKE SEDIMENT FILTER	
	2002	MAINTENANCE OF OPEN-THROAT CURB INTAKE SEDIMENT FILTER	
	2002	REMOVAL OF TEMPORARY INTAKE OR MANHOLE COVER ASSEMBLY	Refer to EC-Sheets for locations and information.
118-120	2002	INTAKE PROTECTION, SEDIMENT CONTROL DEVICE, 12 IN	
	2002	MAINTENANCE OF INTAKE PROTECTION, SEDIMENT CONTROL DEVICE	
	2002	REMOVAL OF INTAKE PROTECTION, SEDIMENT CONTROL DEVICE	Refer to EC-Sheets for locations and information. Contractor is responsible for removing all covers after permanent stabilization and approval from Engineer.
121	2002	MOWING	Item shall be used as directed by the Engineer at time of construction.
122	2519	FIELD FENCE BRACE PANELS	See sheet D.03 for locations.
123	9060	FIELD FENCE, REMOVAL	Item is for removal and disposal of existing field fence as shown on the plans or as directed by the Engineer during construction. See Tabulation 100-7 for details and sheet R.02 for location.
124	10010	CAST IRON MONUMENT BOX	See detail in G-Sheets. Method of Measurement and payment shall be on a per each basis for each cast iron monument box installed and shall include all work and materials necessary to set monument box in pavement. Catalog Clips shall be submitted to the engineer before placement.
125	11020	MOBILIZATION	
126	11050	CONCRETE WASHOUT	Contractor is responsible for maintenance, possible relocation for staging, disposal and collection.

Item 17.

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DES	
CHK	Sweeney, Michele
APP	
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WEST 27th STREET RECON  
RC-000-3240  
ESTIMATED QUANTITIES

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	129









### TEMPORARY PAVEMENT MARKING LINE TYPES

\*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.

See PM-110  
 \*\*\*MNY4 - Factor of 1.00 as value includes number of 4-inch passes to cover median nose area.

CHW8: Channelizing Line (White) @ 2.00      DCY4: Double Centerline (Yellow) @ 2.00      CHY8: Channelizing Line (Yellow) @ 2.00      MNY4: Median Nose (Yellow) @ 1.00      CBW6: Crosswalk Bar (White) @ 15.00  
 ELY4: Edge Line Left (Yellow) @ 1.00      ELW4: Edge Line Right (White) @ 1.00      DLW4: Dotted Line (White) @ 0.33      BLW4: Broken Lane Line (White) @ 0.25      SLW2: Stop Line (White) @ 6.00  
 SLW4: Solid Lane Line (White) @ 1.00

Road ID	Station to Station		Dir. of Travel	Marking Type	Side			Length by Line Type (Unfactored)																Remarks						
								CHW8			DCY4		CHY8		MNY4***	CBW6	ELY4	ELW4	DLW4	BLW4	SLW2	SLW4	STA		STA	STA	STA			
								L	C	R	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA		STA	STA	STA	STA		
The Quarters																														
Stage 1	72+87.53	72+98.95	SB	Wet Retroreflective Removable Tape			x																							
Stage 1	72+98.95	72+98.95	SB	Wet Retroreflective Removable Tape			x			0.12																				
Stage 2	73+34.95	73+47.21	NB	Wet Retroreflective Removable Tape																										
Stage 2	73+34.95	73+34.95	NB	Wet Retroreflective Removable Tape			x			0.11																				
Factored Total: Wet Retroreflective Removable Tape								-	0.46	-	-	-	-	-	-	-	-	-	-	1.42	-	-	-	-	-	-	-	-		
Bid Quantity: Wet Retroreflective Removable Tape Markings																														

### PAVEMENT MARKING SYMBOLS AND LEGENDS

Refer to PM-111

Road Identification	Location		↑	↶	↷	↘	↙	↕	↔	↔	↑	↗	↖	⊗	🚲	♿	♿	SCHOOL	XING	STOP	AHEAD	ONLY	BIKE	LANE	EXIT	Groove Cuts	Remarks
	Station	Side																									
Greenhill Rd	4+72.53	LT						1																			
West 27th Street	69+04.88	RT						1																			
West 27th Street	69+04.89	LT						1																			
Greenhill Rd	3+53.82	RT		1																							
Greenhill Rd	3+63.19	RT						1																			fishhook style arrow
Greenhill Rd	3+95.18	RT																				1					
Greenhill Rd	4+23.70	RT		1																							
Greenhill Rd	4+74.40	RT						1																			
West 27th Street	70+83.92	LT		1																							
West 27th Street	71+20.59	LT																				1					
West 27th Street	71+58.86	LT		1																							
West 27th Street	71+62.81	LT						1																			fishhook style arrow
West 27th Street	73+85.84	LT				1																					
West 27th Street	74+60.82	LT				1																					
West 27th Street	79+90.51	RT				1																					
West 27th Street	80+65.47	RT				1																					
West 27th Street	81+96.56	LT				1																					
West 27th Street	82+71.54	LT				1																					
West 27th Street	85+84.19	LT				1																					
West 27th Street	86+59.12	LT				1																					
West 27th Street	87+79.46	RT		1																							
West 27th Street	87+79.46	RT	1																								
West 27th Street	87+79.46	RT			1																						
West 27th Street	88+17.98	RT																				1					
West 27th Street	88+54.61	RT		1																							
West 27th Street	88+54.61	RT	1																								
West 27th Street	88+54.61	RT				1																					
Hudson Rd	2194+97.04	LT				1																					
Hudson Rd	2195+71.52	LT				1																					
Subtotals:			2	8	10			6														3					
Total:			29																								







**LONGITUDINAL SUBDRAIN SHOULDER AND BACKSLOPE**

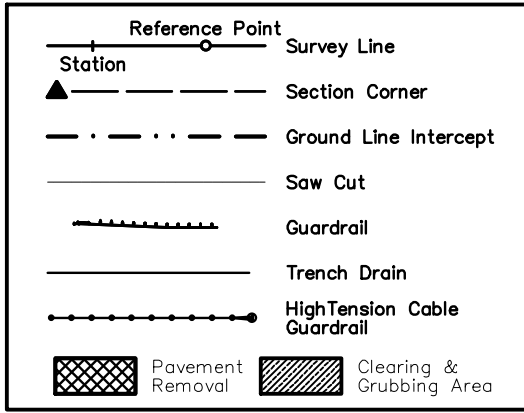
Refer to Soils Sheets

\* Not a bid item. Bridge berm quantities assume a trench depth of 24 inches.

Line No.	Road or Lane Identification	Location Station to Station		Side	Begin Connection/ Tie in	End Connection/ Tie in	Longitudinal Subdrain (DR-303)						Subdrain Outlet		Porous* Backfill	Class "A"* Crushed Stone	Remarks		
							Depth D	Ø		Ø		Ø		DR-303, DR-305 or DR-306				Station	Type
								Size	Length	Size	Length	Standard Road Plan and Type	Size						
1	W 27th St	42+84.30	43+38.30	LT	Tie To Ex.	I-111	66.0	6.0	53.9				4338.3	DR-303					
2	W 27th St	43+43.30	44+47.50	LT		I-111	66.0	6.0	104.3				4447.5	DR-306					
3	W 27th St	44+52.50	45+92.30	LT		I-109	66.0	6.0	139.8				4592.3	DR-303					
4	W 27th St	45+97.30	47+09.60	LT		I-107	66.0	6.0	148.4				4709.6	DR-303					
5	W 27th St	47+51.00	48+46.70	LT	Tie To Ex.	I-102	66.0	6.0	139.0				4846.7	DR-303					
6	W 27th St	48+51.70	51+47.50	LT		I-102	66.0	6.0	296.1				5147.5	DR-303					
7	W 27th St	51+52.50	53+75.10	LT		I-221	66.0	6.0	223.8				5375.1	DR-303					
8	W 27th St	53+80.40	54+56.50	LT		I-218	66.0	6.0	86.2				5456.5	DR-303					
9	W 27th St	54+56.50	54+62.50	LT		I-216	66.0	6.0	25.8				5462.5	DR-303					
10	W 27th St	55+12.31	55+24.01	LT	Tie To Ex.	I-212	66.0	6.0	37.7				5462.5	DR-303					
11	W 27th St	55+26.10	55+61.40	LT		I-212	66.0	6.0	51.1				5561.4	DR-303					
12	W 27th St	55+66.10	58+77.50	LT		I-213	66.0	6.0	313.0				5877.5	DR-303					
13	W 27th St	58+82.50	60+86.50	LT		I-209	66.0	6.0	204.0				6086.5	DR-303					
14	W 27th St	60+91.50	62+82.50	LT		I-207	66.0	6.0	191.0				6282.5	DR-303					
15	W 27th St	62+87.50	64+62.50	LT		I-205	66.0	6.0	175.2				6462.5	DR-303					
16	W 27th St	64+67.50	68+03.20	LT		I-202	66.0	6.0	336.4				6803.2	DR-303					
17	W 27th St	68+08.20	68+90.10	LT		I-303	66.0	6.0	115.6				6890.1	DR-303					
18	W 27th St	68+91.30	68+83.90	LT		I-301	66.0	6.0	202.9				6883.9	DR-303					
19	W 27th St	69+19.00	69+41.10	LT	Tie To Ex.	I-308	66.0	6.0	203.1				6941.1	DR-303					
20	W 27th St	69+43.20	69+61.80	LT		I-308	66.0	6.0	35.1				6961.8	DR-303					
21	W 27th St	69+65.20	70+33.20	LT		I-309	66.0	6.0	80.7				7033.2	DR-303					
22	W 27th St	70+38.00	72+00.50	LT		I-311	66.0	6.0	161.7				7200.5	DR-303					
23	W 27th St	72+05.50	76+72.50	LT		I-313	66.0	6.0	468.3				7672.5	DR-303					
24	W 27th St	80+58.10	81+11.80	LT		I-402	66.0	6.0	380.6				8058.1	DR-303					
25	W 27th St	80+63.10	81+11.80	LT		I-403	66.0	6.0	68.5				8111.8	DR-303					
26	W 27th St	81+42.90	83+89.70	LT	Tie To Ex.	I-406	66.0	6.0	266.9					DR-303					
27	W 27th St	83+94.74	84+47.50	LT		I-406	66.0	6.0	52.8					DR-303					
28	W 27th St	84+52.50	86+97.50	LT		I-409	66.0	6.0	245.0					DR-303					
29	W 27th St	87+02.50	89+07.50	LT		I-408	66.0	6.0	433.7					DR-303		TIE TO EX SUBDRAIN ON HUDSON RD AT NORTH EXTENTS OF PAVE LIMITS			
30	W 27th St	42+84.30	43+38.20	RT	Tie To Ex.	I-110	66.0	6.0	53.9					DR-303					
31	W 27th St	43+43.20	44+47.40	RT		I-110	66.0	6.0	104.2					DR-303					
32	W 27th St	44+52.40	45+89.30	RT		I-108	66.0	6.0	137.0					DR-303					
33	W 27th St	45+94.20	46+96.60	RT		I-106	66.0	6.0	140.1					DR-303					
34	W 27th St	47+50.90	47+55.60	RT	Tie To Ex.	I-105	66.0	6.0	11.0					DR-303					
35	W 27th St	47+58.00	48+44.90	RT		I-105	66.0	6.0	106.6					DR-303					
36	W 27th St	48+49.80	51+47.50	RT		I-103	66.0	6.0	298.8					DR-303					
37	W 27th St	51+52.50	53+75.00	RT		I-222	66.0	6.0	223.4					DR-303					
38	W 27th St	53+79.50	54+88.20	RT		I-220	66.0	6.0	128.4					DR-303					
39	W 27th St	54+93.60	55+53.80	RT		I-223	66.0	6.0	68.1					DR-303					
40	W 27th St	55+58.20	58+77.50	RT		I-224	66.0	6.0	323.4					DR-303					
41	W 27th St	58+82.50	60+86.50	RT		I-208	66.0	6.0	204.0					DR-303					
42	W 27th St	60+91.50	62+82.50	RT		I-206	66.0	6.0	191.0					DR-303					
43	W 27th St	62+87.50	64+62.50	RT		I-204	66.0	6.0	174.8					DR-303					
44	W 27th St	64+67.50	68+02.90	RT		I-203	66.0	6.0	336.6					DR-303					
45	W 27th St	68+07.60	68+63.40	RT		I-304	66.0	6.0	81.6					DR-303					
46	W 27th St	68+65.70	68+80.70	RT		I-305	66.0	6.0	83.0					DR-303					
47	W 27th St	68+81.20	68+87.10	RT		I-306	66.0	6.0	137.3					DR-303		TIE TO EX SUBDRAIN ON GREENHILL SOUTH EXTENTS OF PAVING			
48	W 27th St	69+25.70	69+22.20	RT	Tie To Ex.	I-307	66.0	6.0	138.5					DR-303		TIE TO EX SUBDRAIN ON GREENHILL SOUTH EXTENTS OF PAVING			
49	W 27th St	69+23.10	70+33.00	RT		I-307	66.0	6.0	170.6					DR-303					
50	W 27th St	70+37.90	72+00.60	RT		I-312	66.0	6.0	164.9					DR-303					
51	W 27th St	72+05.60	76+72.50	RT		I-314	66.0	6.0	465.5					DR-303					
52	W 27th St	80+58.10	81+12.60	RT		I-401	66.0	6.0	381.0					DR-303					
53	W 27th St	80+63.50	81+12.60	RT		I-404	66.0	6.0	62.8					DR-303		TIE TO EX SUBDRAIN ON PE DRIVE XXXXX			
54	W 27th St	81+41.60	83+09.70	RT	Tie To Ex.	Tie To Ex.	66.0	6.0	181.4					DR-303		TIE TO EX SUBDRAIN ON PE DRIVE XXXXX AND EX ON 27TH ST AT EAST PAVING			
TOTAL DR-303 INTAKE CONNECTIONS =					90.0	TOTAL LF=		9608.4											
TOTAL CONNECTIONS TO EX =					18.0														

SURVEY SYMBOLS	
	FHD Fire Hydrants
	TVP TV Pedestal
	FLG Flag Poles
	BB Billboard
	SI Sign
	MM Mile Marker Post
	INB Storm Sewer Beehive Intake
	TEV Evergreen Tree
	TDC Tree Deciduous
	TFR Tree Fruit
	SHR Shrub
	PPA Power Pole Co. 1
	IN Storm Sewer Intake
	MH Utility Access (Manhole)
	TSG Traffic Signal
	OUT Tile Outlet
	TSL Traffic Signal and Luminaire
	SL Speed Limit Sign
	GP Guard Post (Less Than 4 Posts)
	MIS Miscellaneous
	TPD Telephone Pedestal
	GV Gas Valve
	EB Electrical Box
	UB Utility Box
	WV Water Valve
	PR Electric Riser Pole
	LUM Luminaire

UTILITY LEGEND	
	FOI FOC Underground Fiber Optic
	GI GC Gas
	St.S. ST.SC Storm Sewer – City of Cedar Falls
	SANI SANC Sanitary Sewer – City of Cedar Falls
	WAT WLC Underground Water Line – Cedar Falls Utilities



PLAN VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS		
LINEWORK	Design Color No.	Description
Green	(2)	Existing Topographic Features and Labels
Blue	(1)	Proposed Alignment, Stationing, Tic Marks, and Alignment Annotation
Magenta	(5)	Existing Utilities
SHADING		
Yellow	(4)	Highlight for Critical Notes or Features
Red	(3)	Delineates Restricted Areas
Lavender	(9)	Temporary Pavement Shading
Gray, Light	(254)	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.	Description
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

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
	C/A Access Control
	Property Line

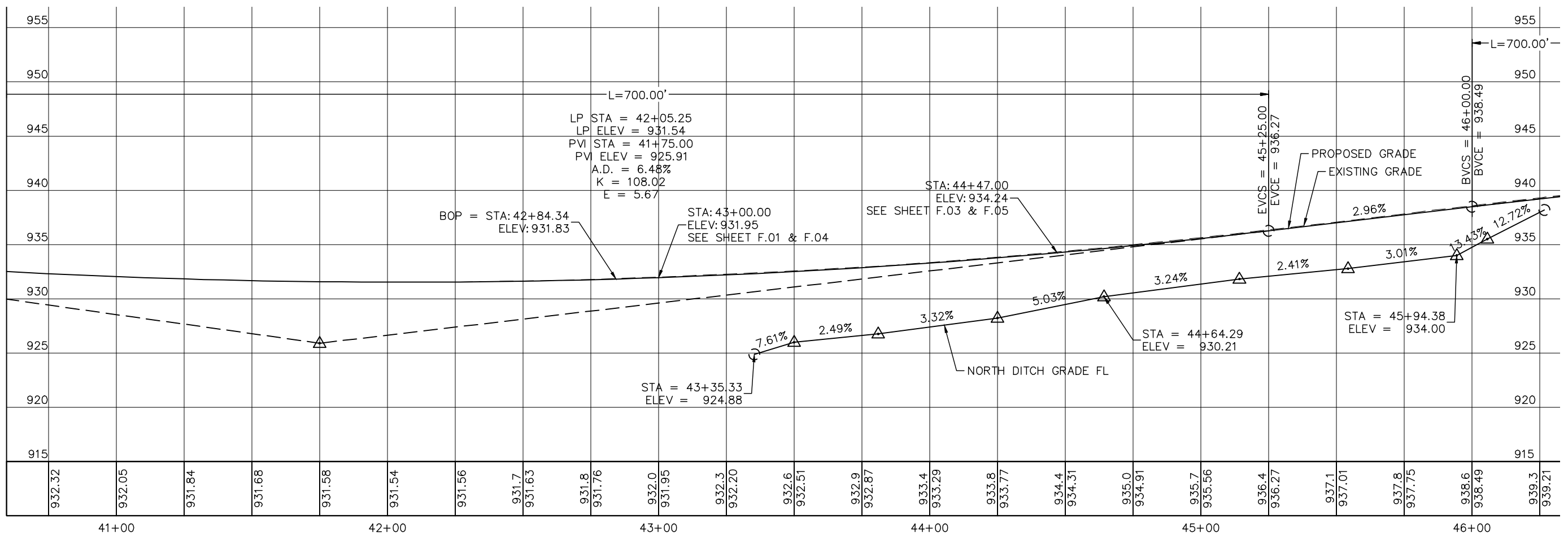
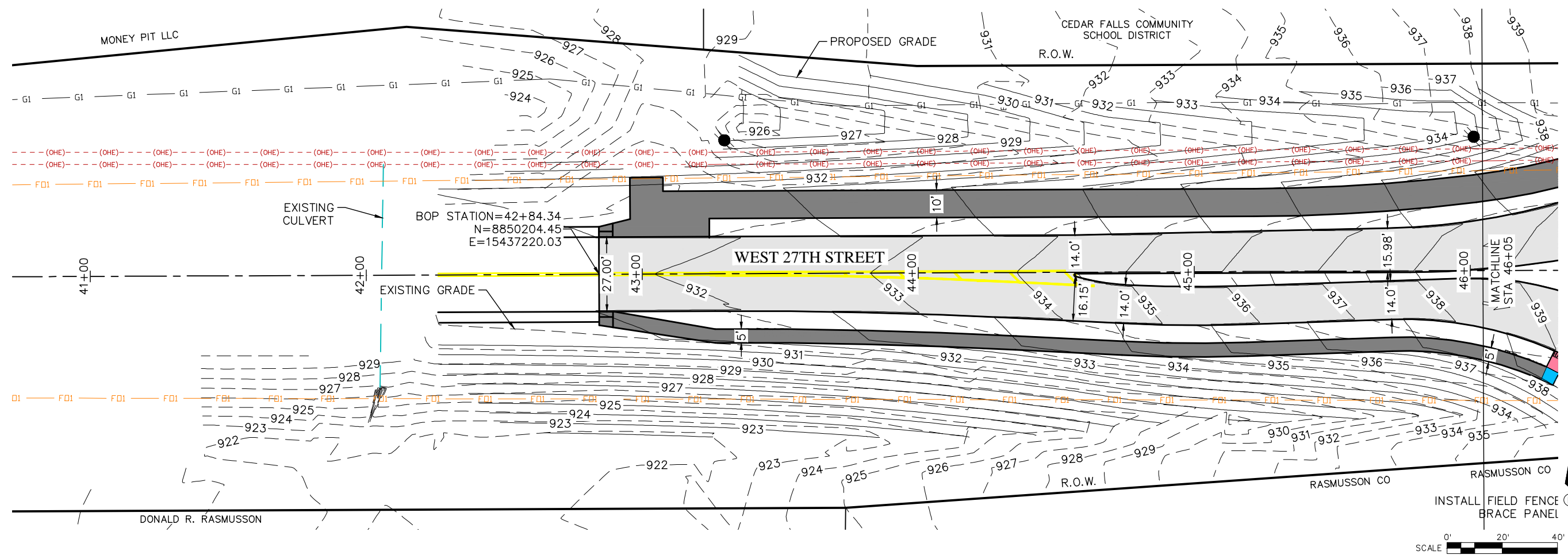
UTILITY CONTACTS

W. 27th Street Reconstruction - UTILITY CONTACT LIST									
CITY OF CEDAR FALLS, IOWA									
NAME	TYPE	LINE CODE	CONTACT	EMAIL	ADDRESS	CITY	STATE	ZIP	PHONE #
Aureon Network Services	Local Fiber Optic	FO1	Jeff Klocko	jeff.klocko@aureon.com	7760 Office Plaza Drive South	West Des Moines	IA	50266	515-830-0445
Cedar Falls Engineering Services	Sanitary / Storm Sewer	San. & St.S.	Tyler Griffin	tyler.griffin@cedarfalls.com	220 Clay Street	Cedar Falls	IA	50613	319-273-8600
Cedar Falls Utilities	Electric	E & OHE	Adam Oltmann	adam.oltmann@cfunet.net	1 Utility Parkway	Cedar Falls	IA	50613	319-268-5294
Cedar Falls Utilities	Communications	C	Mike Smith	mike.smith@cfunet.net	1 Utility Parkway	Cedar Falls	IA	50613	319-268-5224
Cedar Falls Utilities	Gas / Water	G1 & Wat	Jerald Lukensmeyer	gerald.lukensmeyer@cfunet.net	1 Utility Parkway	Cedar Falls	IA	50613-0769	319-268-5330
CenturyLink	Communications	FO4	Tom Sturmer	Thomas.sturmer@centurylink.com	2103 E. University Ave	Des Moines	IA	50317	515-201-4520
Iowa Communications Network	Communications	FO3	Shannon Marlow	icnoutsideplantiowaonecall@iowa.gov					800-572-3940
Northern Natural Gas Company	Gas Distribution	G2	Jim Johnson	Jim.Johnson@nngco.com			IA		402-530-6625
Unite Private Networks	Local Fiber Optic	FO2	Joe Kilzer	upngis@upnfiber.com		Des Moines	IA	50325	816-425-3556
University of Northern Iowa	Steam Tunnel	UNI	Jose Luis San Miguel	joseluis.sanmiguel@uni.edu	1801 W. 31st Street	Cedar Falls	IA	50614	319-273-3059

PLAN AND PROFILE  
LEGEND AND SYMBOL  
INFORMATION SHEET  
(COVERS SHEET SERIES D, E, F, H, & K)

DRN	Westley, Casey	NO
DES		
CHK	Sweeney, Michelle	
APP		
REC'D		
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<b>AECOM</b>		
WEST 27th STREET RECON RC-000-3240 PLAN & PROFILE		
DATE	3-25-2022	
PROJECT NO.	60637669	
MILESTONE	FINAL PLANS	
SHEET NO.	137	
DRAWING NO.	137	

PRINTED: 3/25/22



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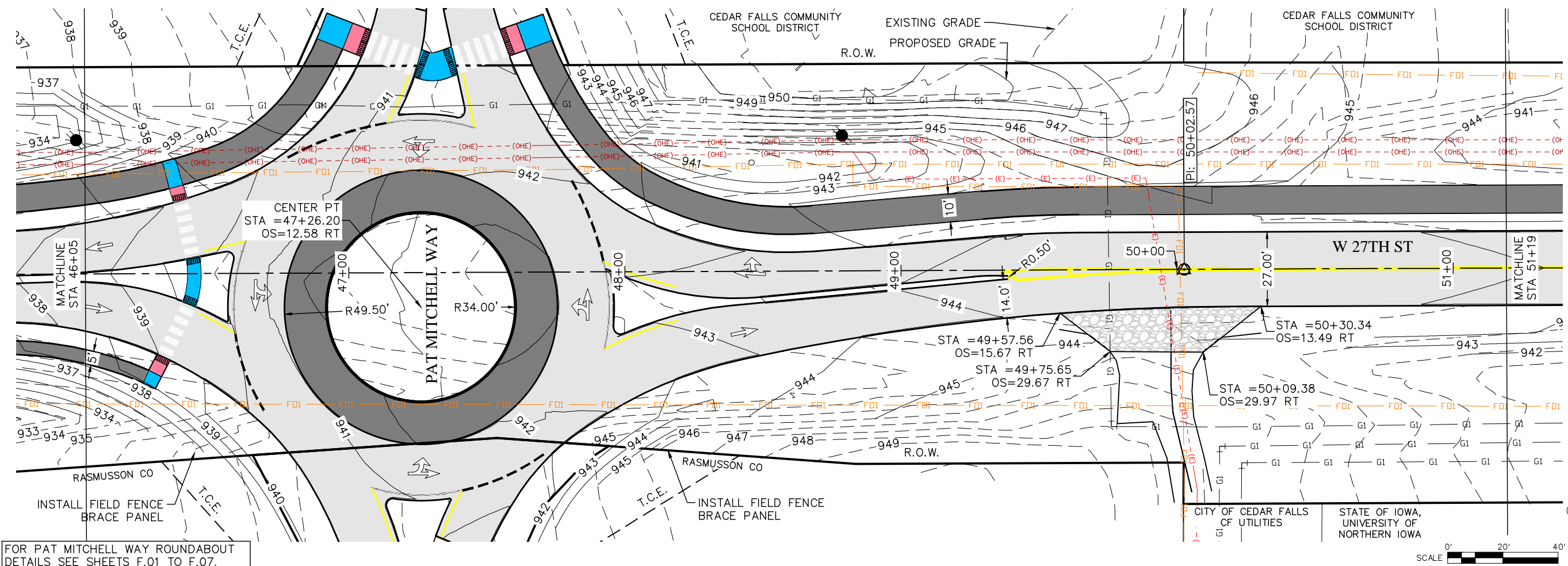
DRN	Westley, Kasey
DES	
CHK	Sweeney, Michelle
APP	
REVISIONS	
NO	
DATE	



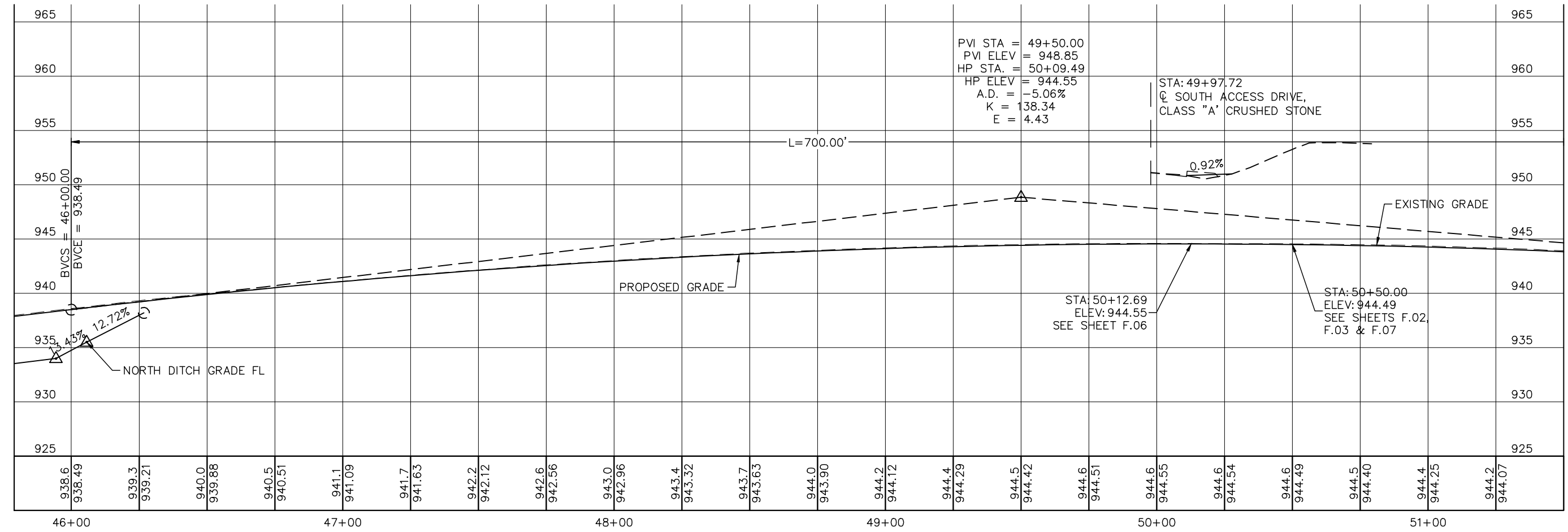
WEST 27th STREET RECON  
RC-000-3240  
PLAN & PROFILE

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	138

PRINTED: 3/25/22



FOR PAT MITCHELL WAY ROUNDABOUT  
DETAILS SEE SHEETS F.01 TO F.07.



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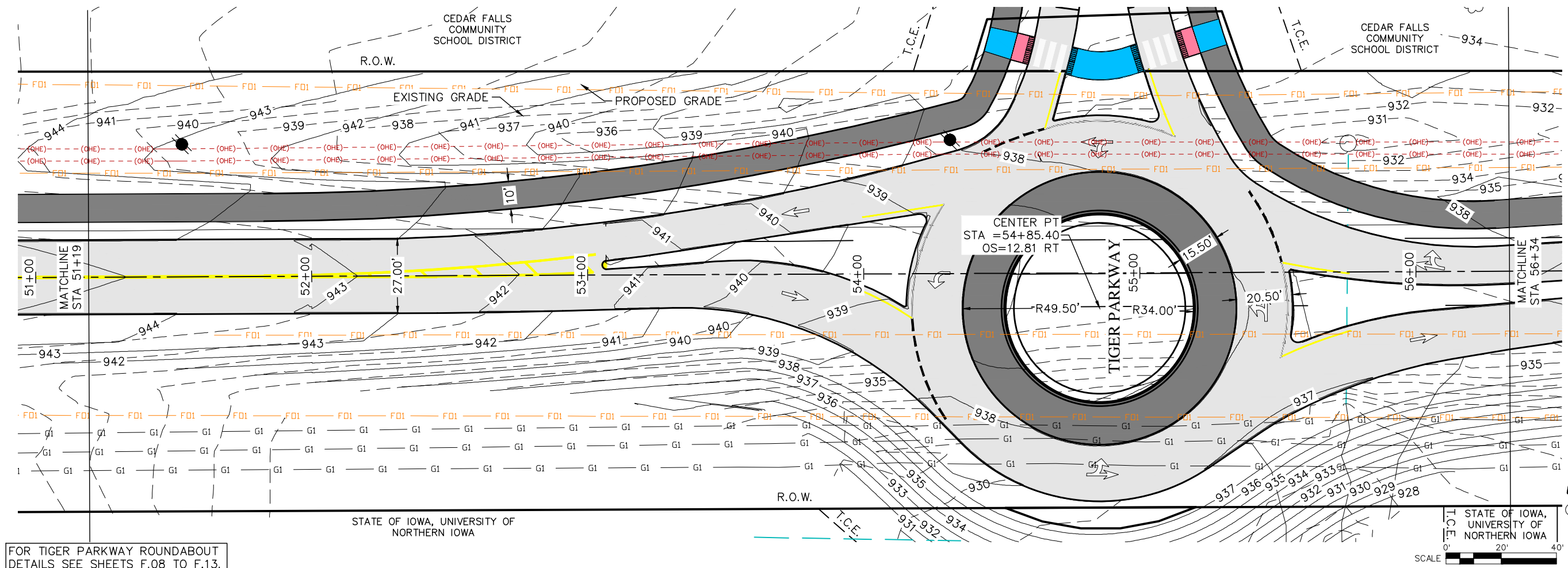
DRN	Westley, Kasey	NO
DES		
CHK	Sweeney, Michelle	
APP		
REVISIONS		
NO		

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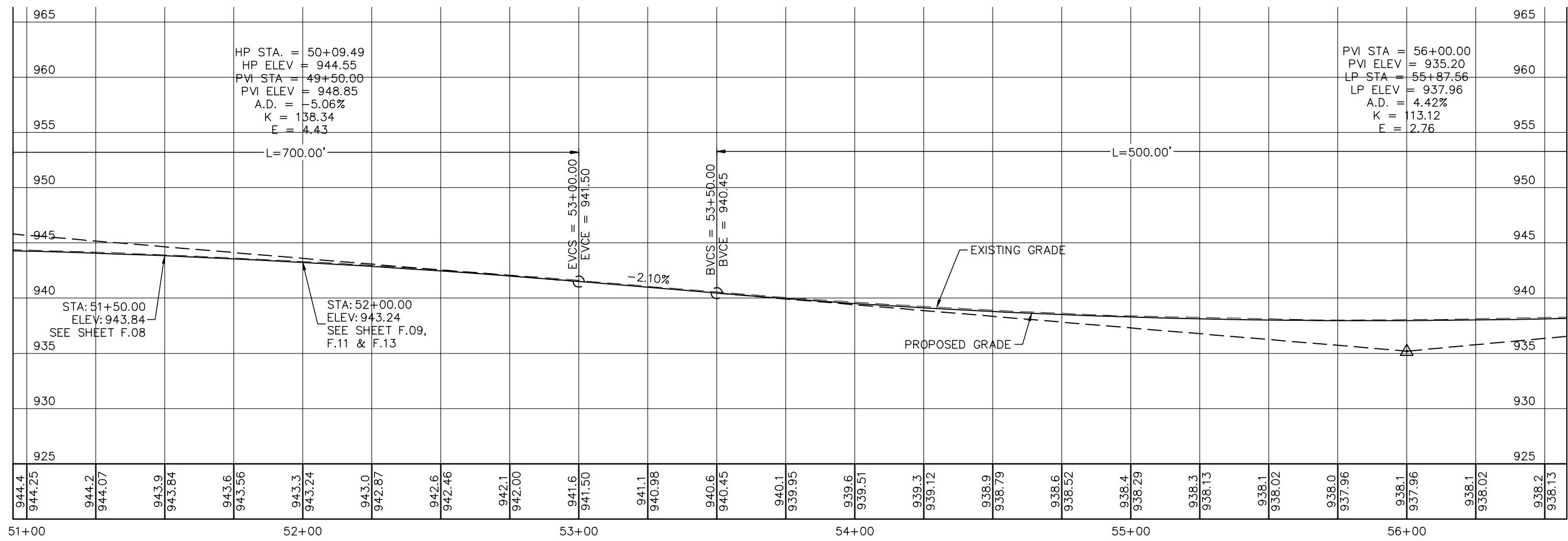
WEST 27th STREET RECON  
RC-000-3240  
PLAN & PROFILE

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	139





FOR TIGER PARKWAY ROUNDABOUT  
DETAILS SEE SHEETS F.08 TO F.13.



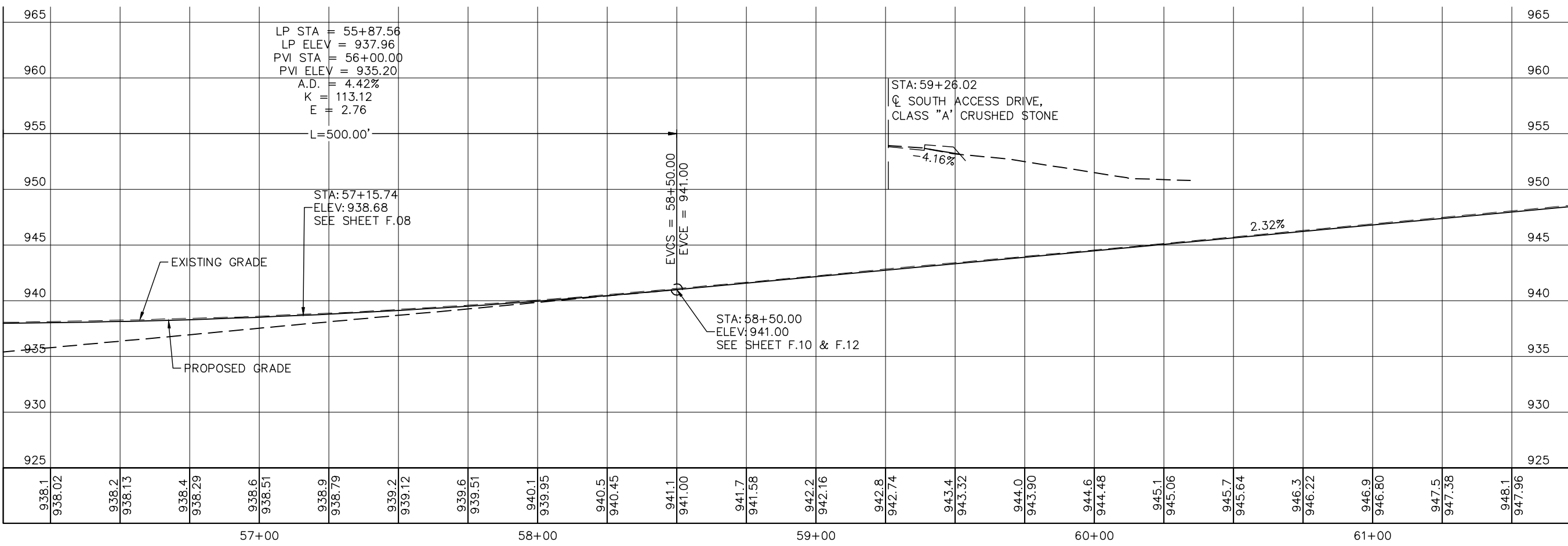
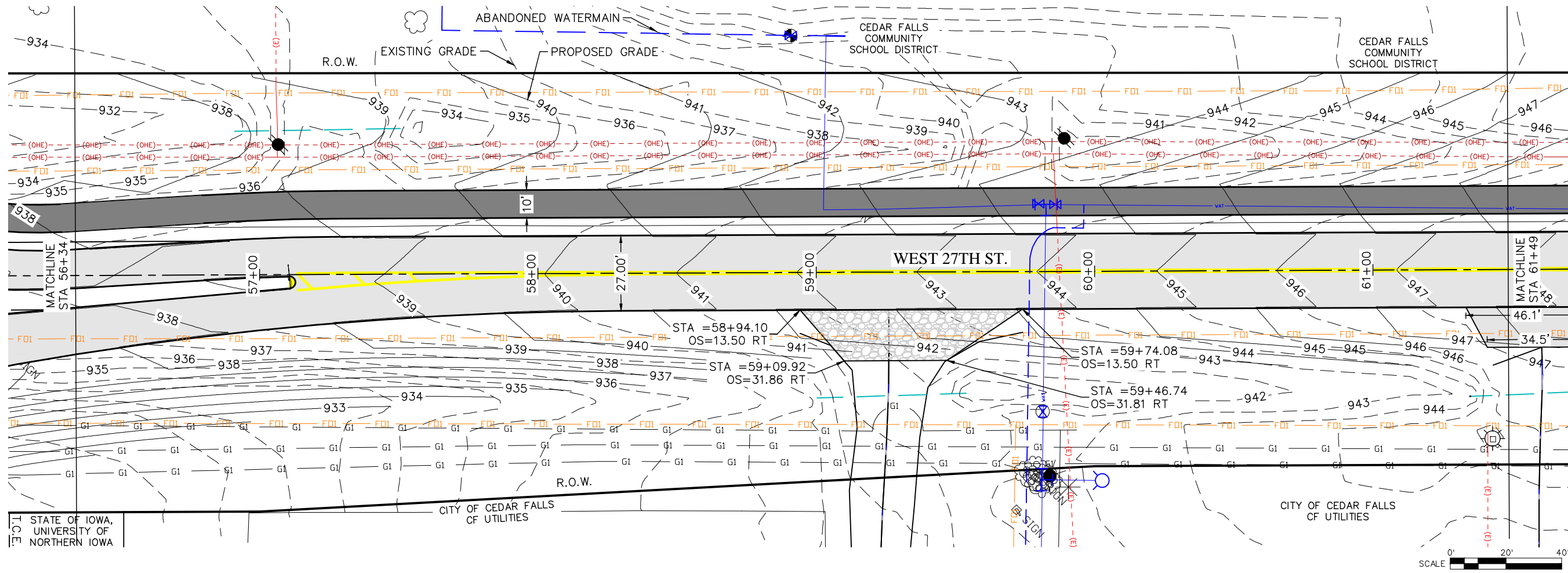
DRN	Westley, Kasey
DES	
CHK	Sweeney, Michelle
APP	
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WEST 27th STREET RECON  
RC-000-3240  
PLAN & PROFILE

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	140
DRAWING NO.	

PRINTED: 3/25/22



Item 17.	DATE
	DRN
	CHK
	NO
	REVISIONS
	APP
	DES
	DRN

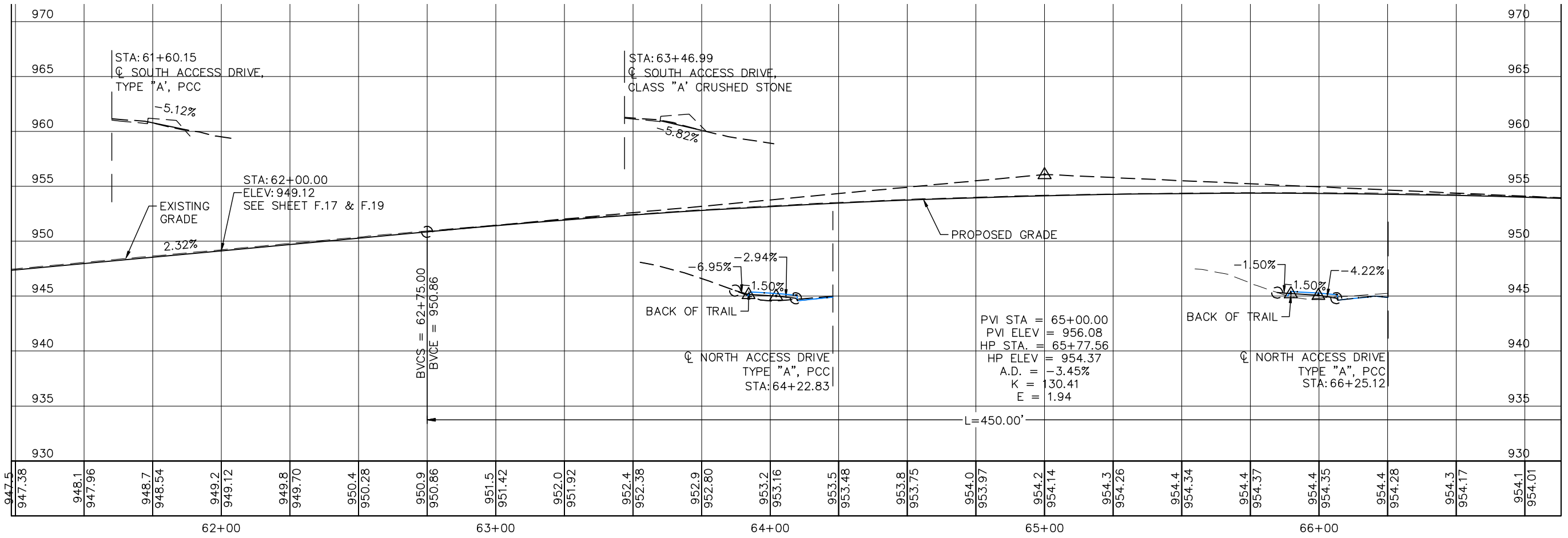
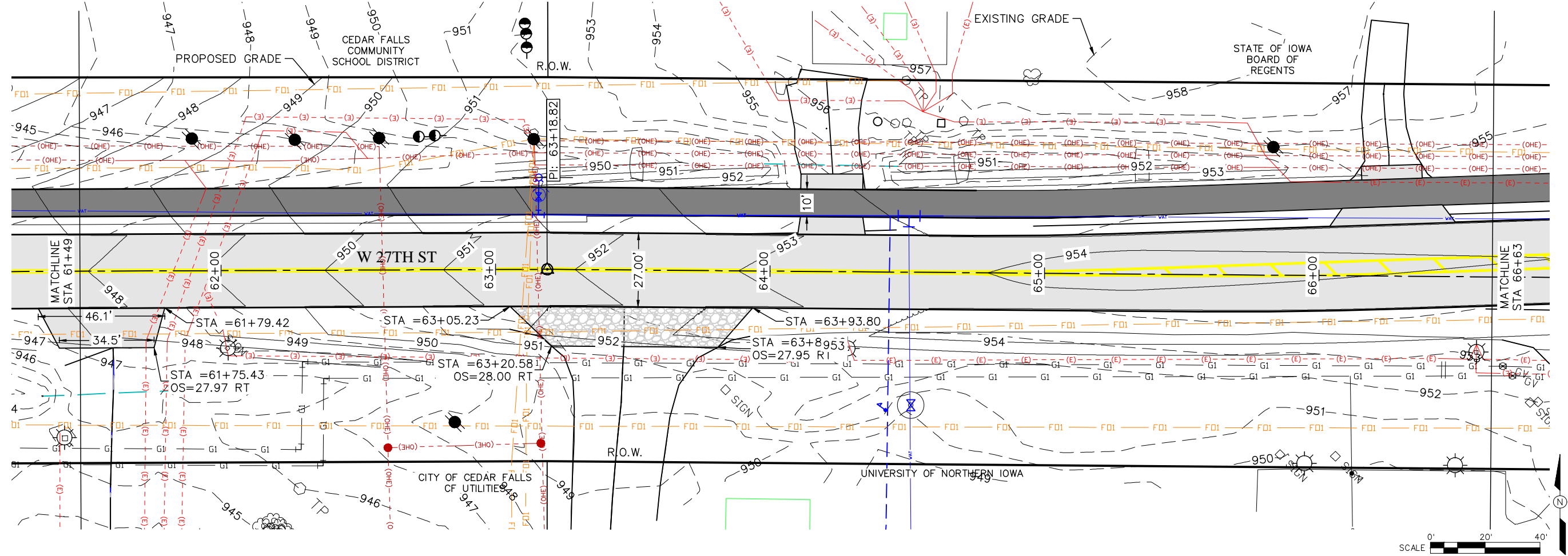


WEST 27th STREET RECON  
RC-000-3240  
PLAN & PROFILE

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	141
DRAWING NO.	141

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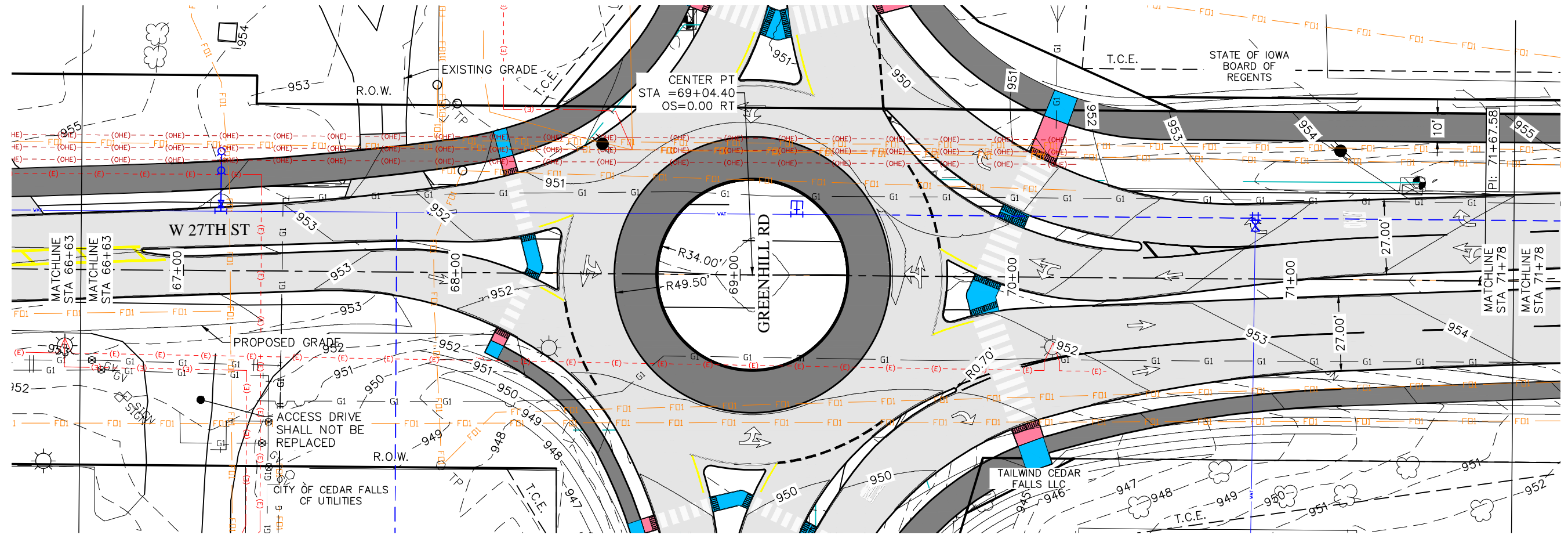
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DES	
CHK	Sweeney, Michelle
APP	
NO	
REVISIONS	
DRN	CHK
DATE	

**AECOM**

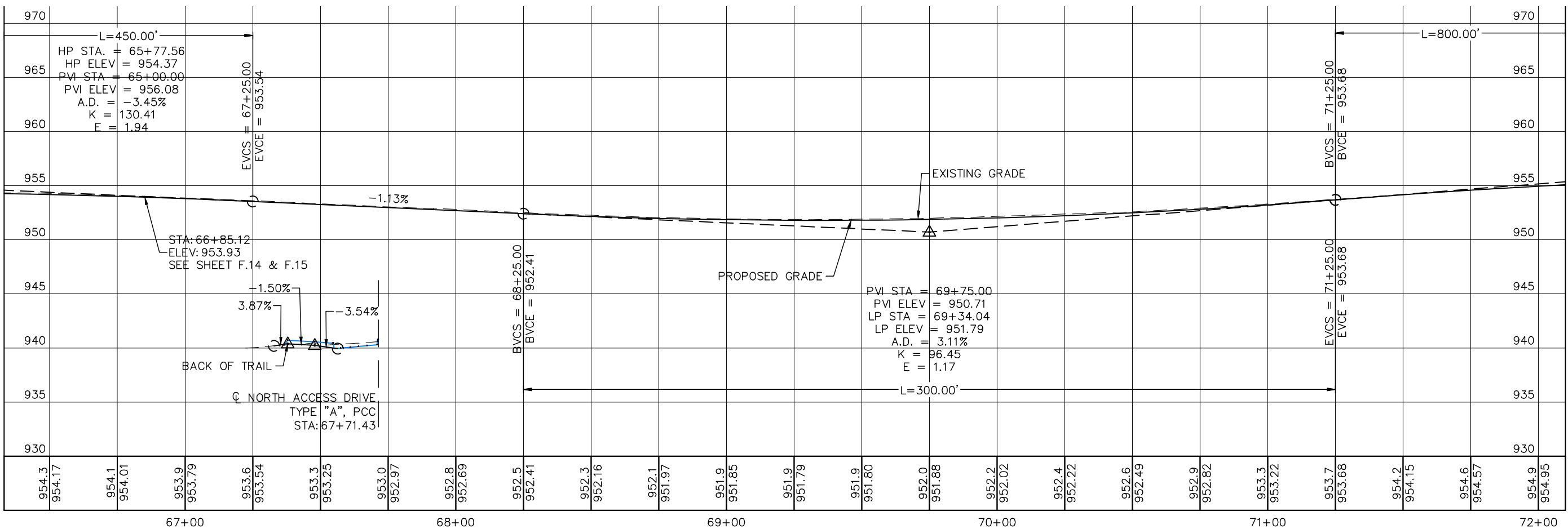
WEST 27th STREET RECON  
RC-000-3240  
PLAN & PROFILE

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	142





FOR PAT MITCHELL WAY ROUNDABOUT  
DETAILS SEE SHEETS F.14 TO F.28.



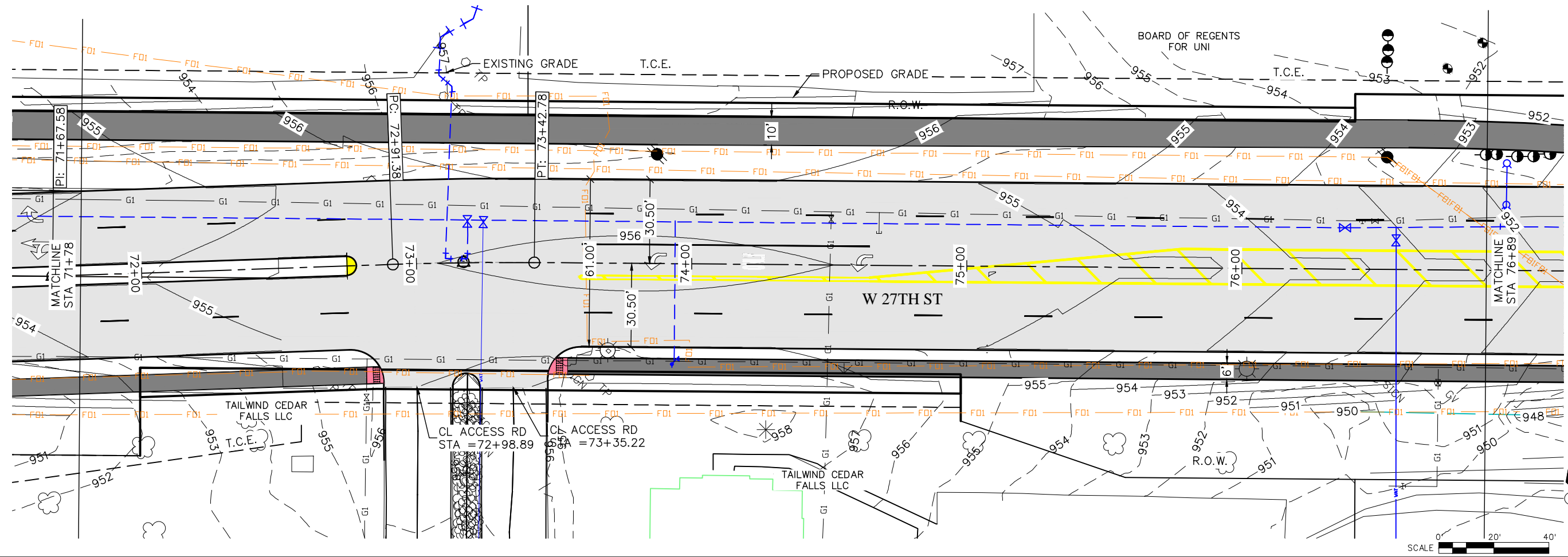
DRN	Westley, Casey
DES	
CHK	Sweeney, Michelle
APP	
NO	
REVISIONS	
DATE	



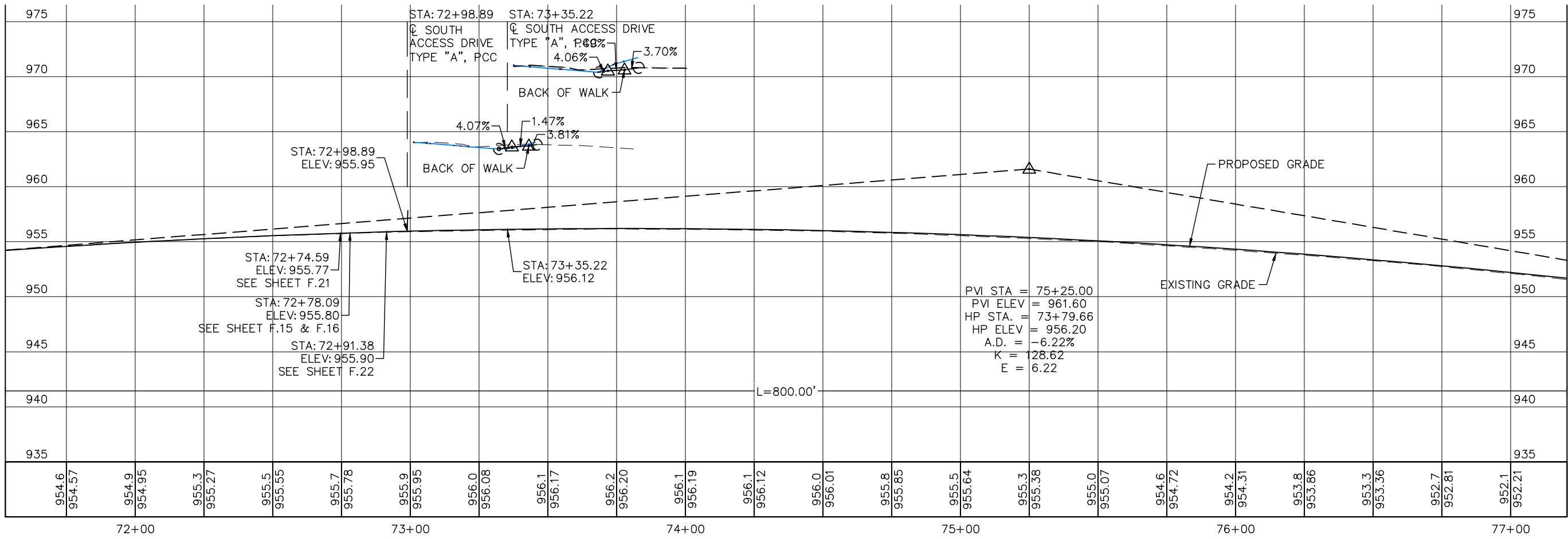
WEST 27th STREET RECON  
RC-000-3240  
PLAN & PROFILE

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	143

PRINTED: 3/25/22



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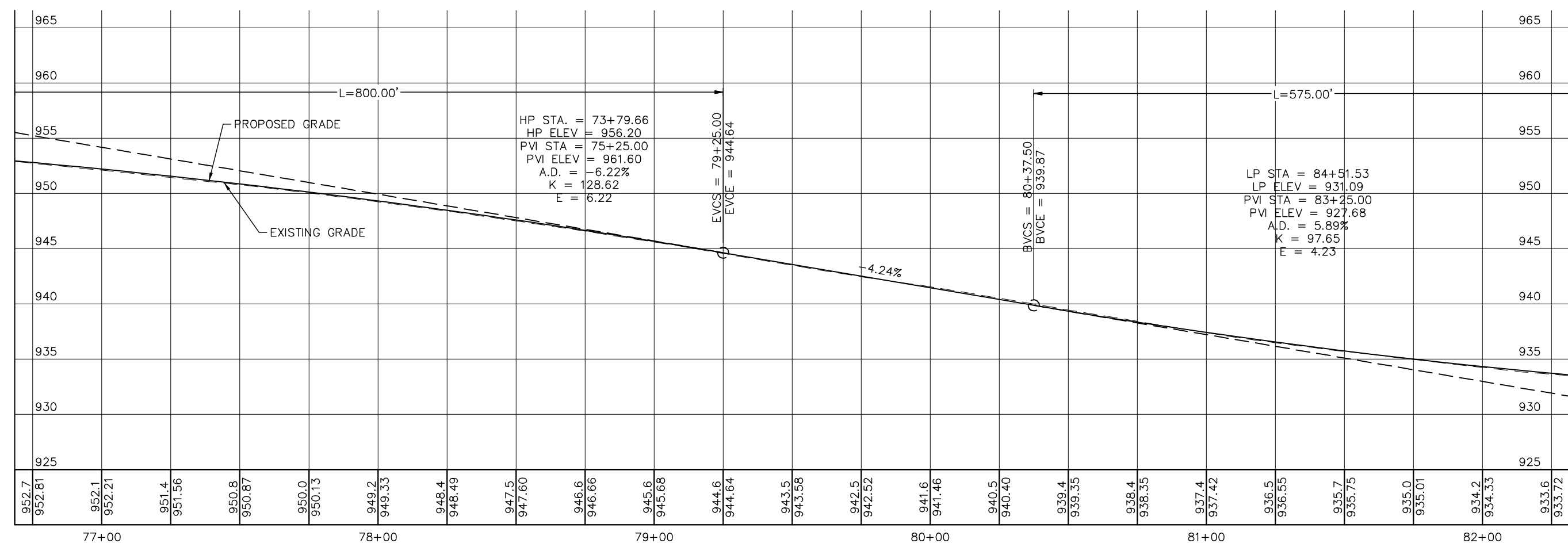
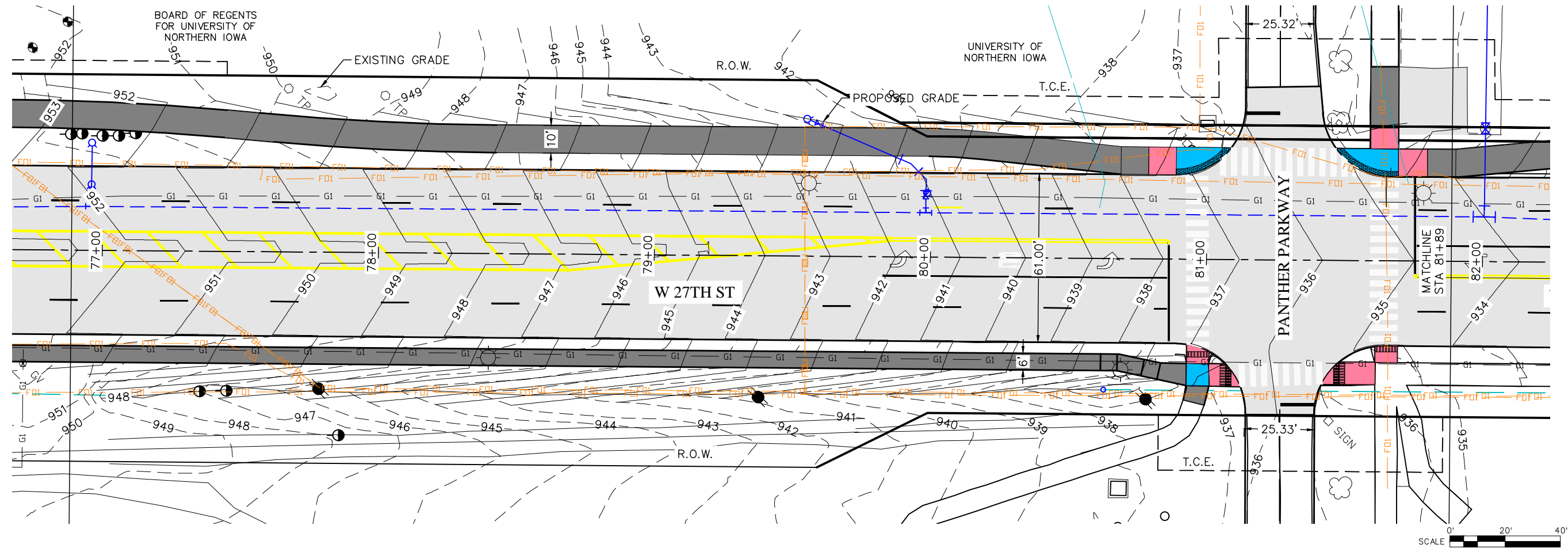
DRN	Westley, Kasey
DES	
CHK	Sweeney, Michelle
APP	
REVISIONS	
NO	
DRN	CHK
DATE	

**AECOM**

WEST 27th STREET RECON  
RC-000-3240  
PLAN & PROFILE

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	144
DRAWING NO.	144

PRINTED: 3/25/22



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DES	
CHK	Sweeney, Michelle
APP	
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WEST 27th STREET RECON  
RC-000-3240  
PLAN & PROFILE

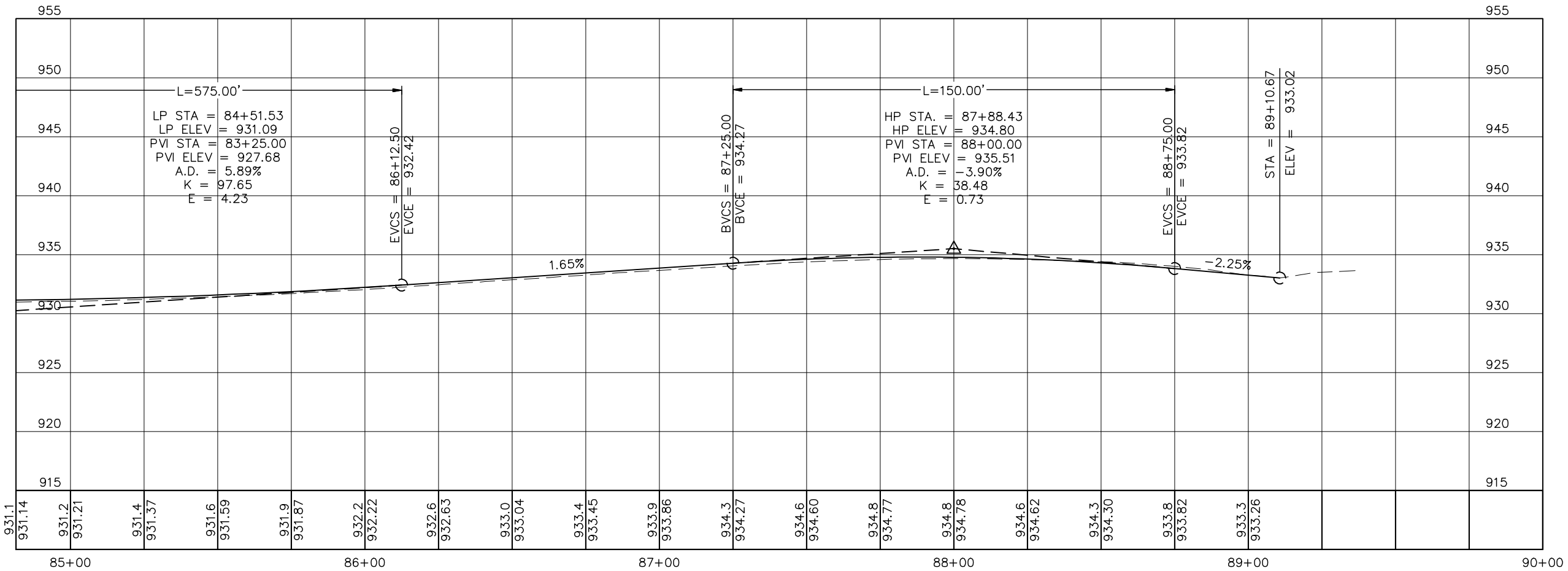
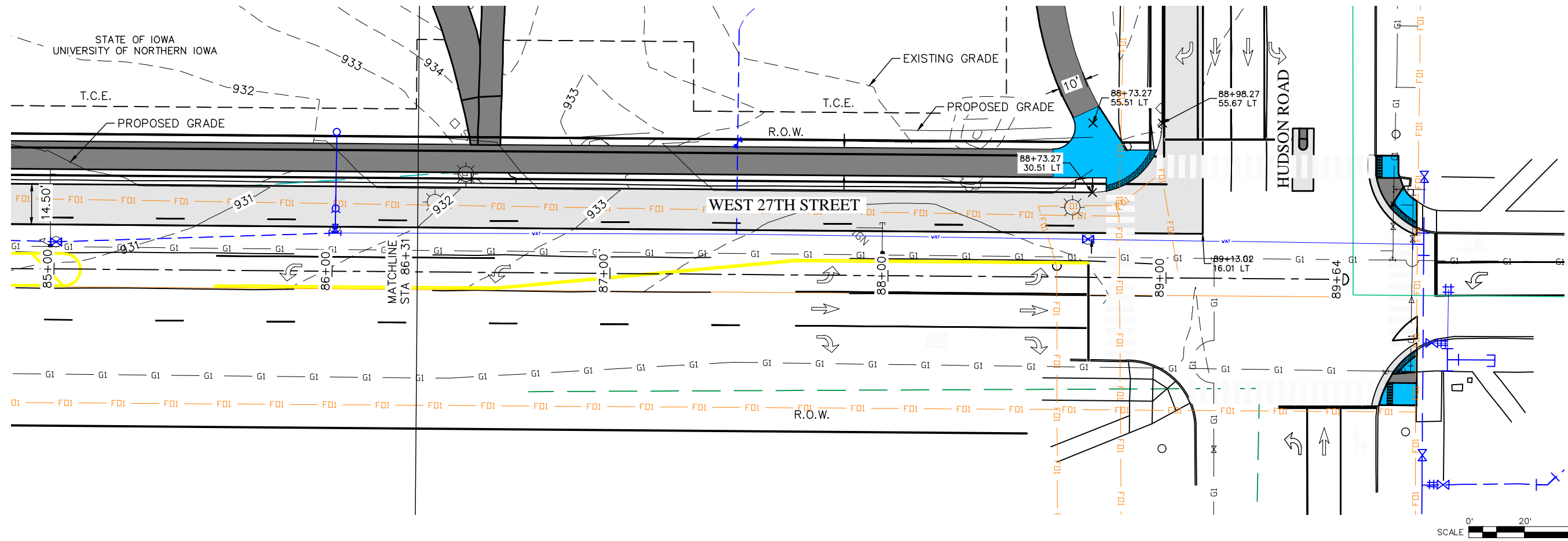
DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	145





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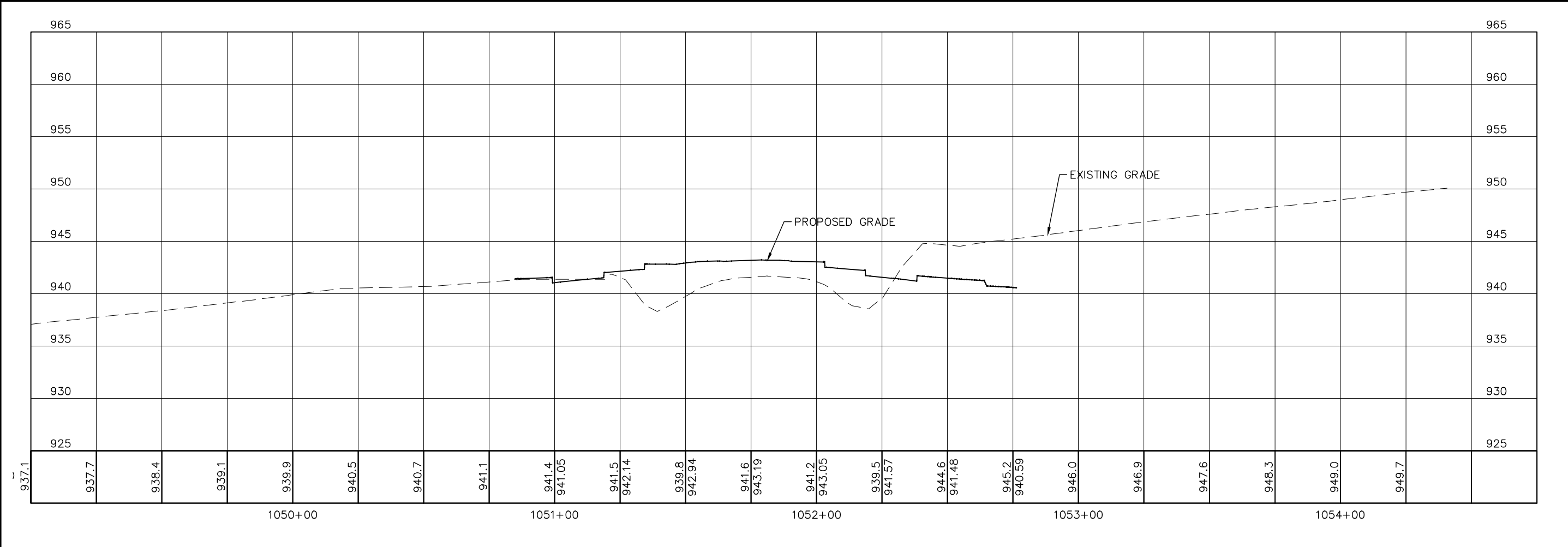
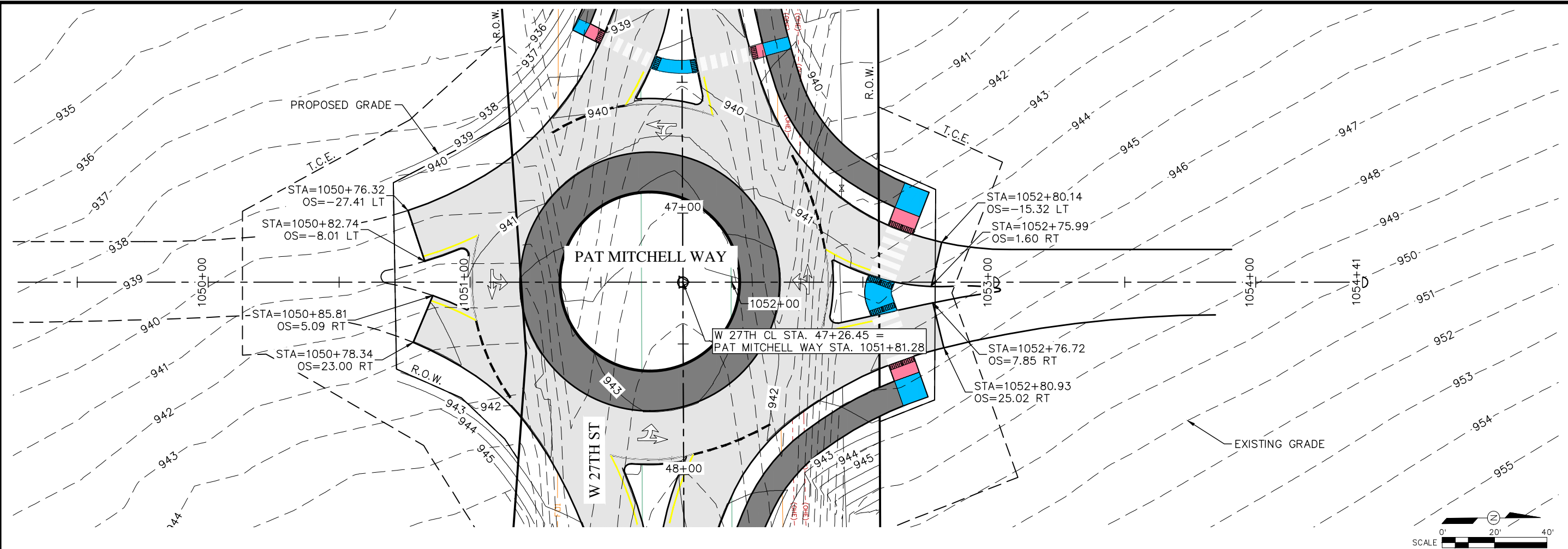
DRN	Westley, Kasey
DES	
CHK	Sweeney, Michelle
APP	
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WEST 27th STREET RECON  
RC-000-3240  
PLAN & PROFILE

DATE	3-25-2022
PROJECT NO.	60637669
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SHEET NO.	147
DRAWING NO.	147

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CHK	Sweeney, Michelle
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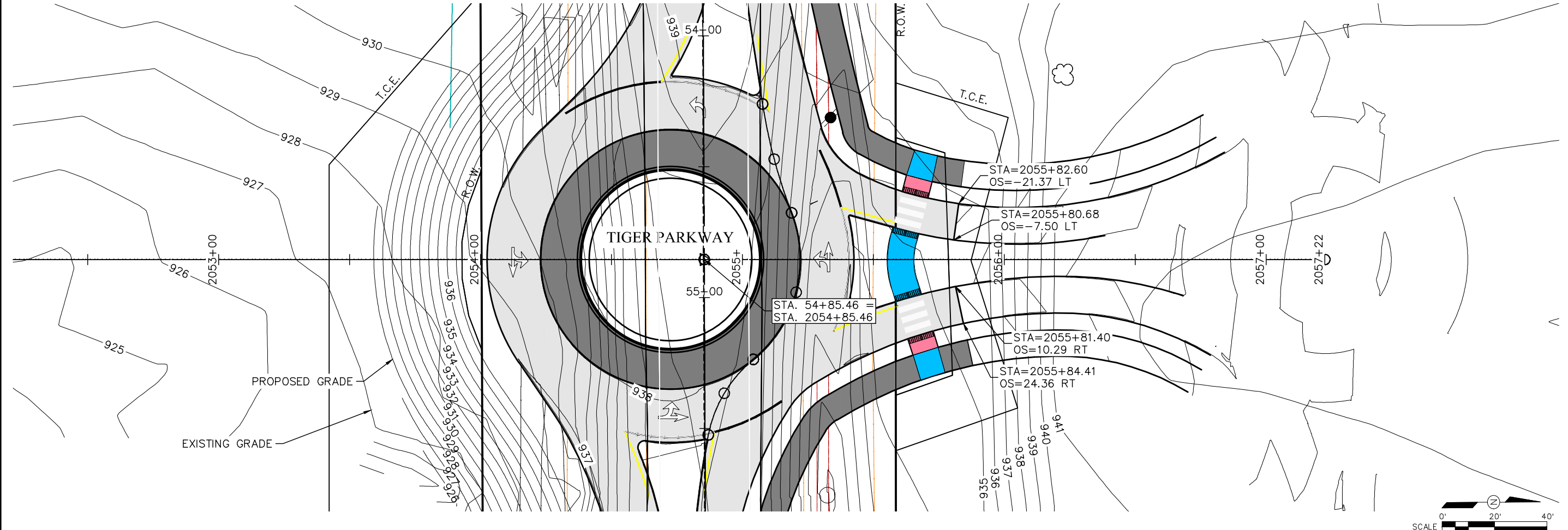
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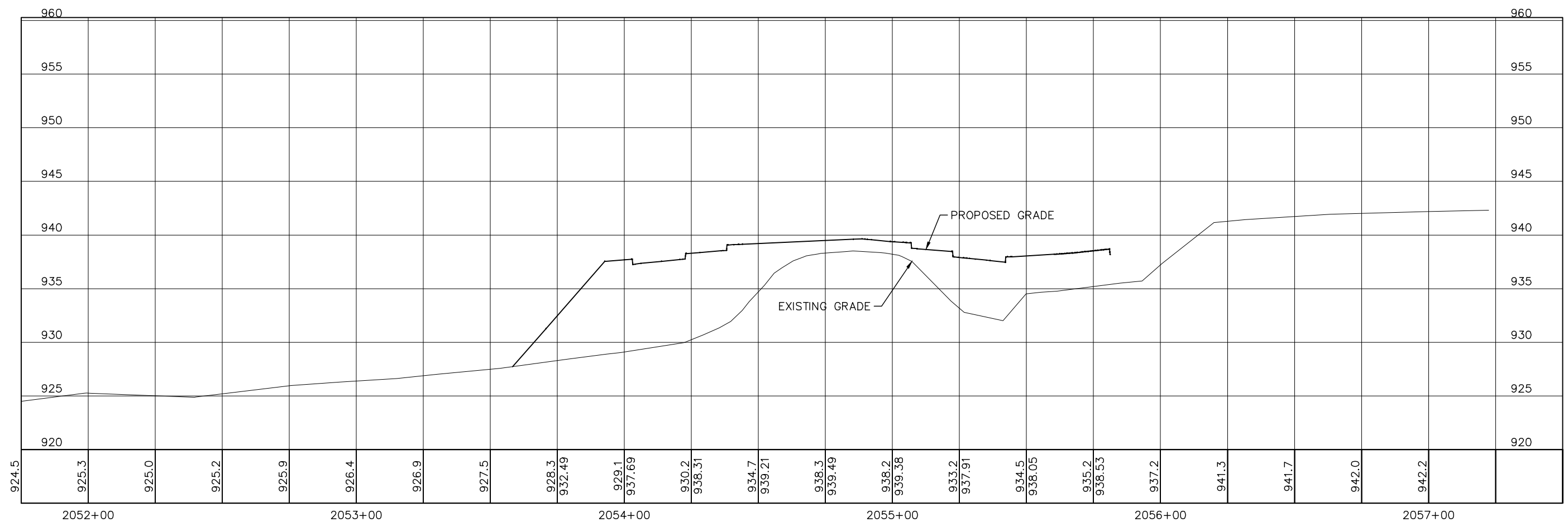
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RC-000-3240  
SIDE ROAD PLAN & PROFILE

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	148
DRAWING NO.	148

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CHK	Sweeney, Michelle
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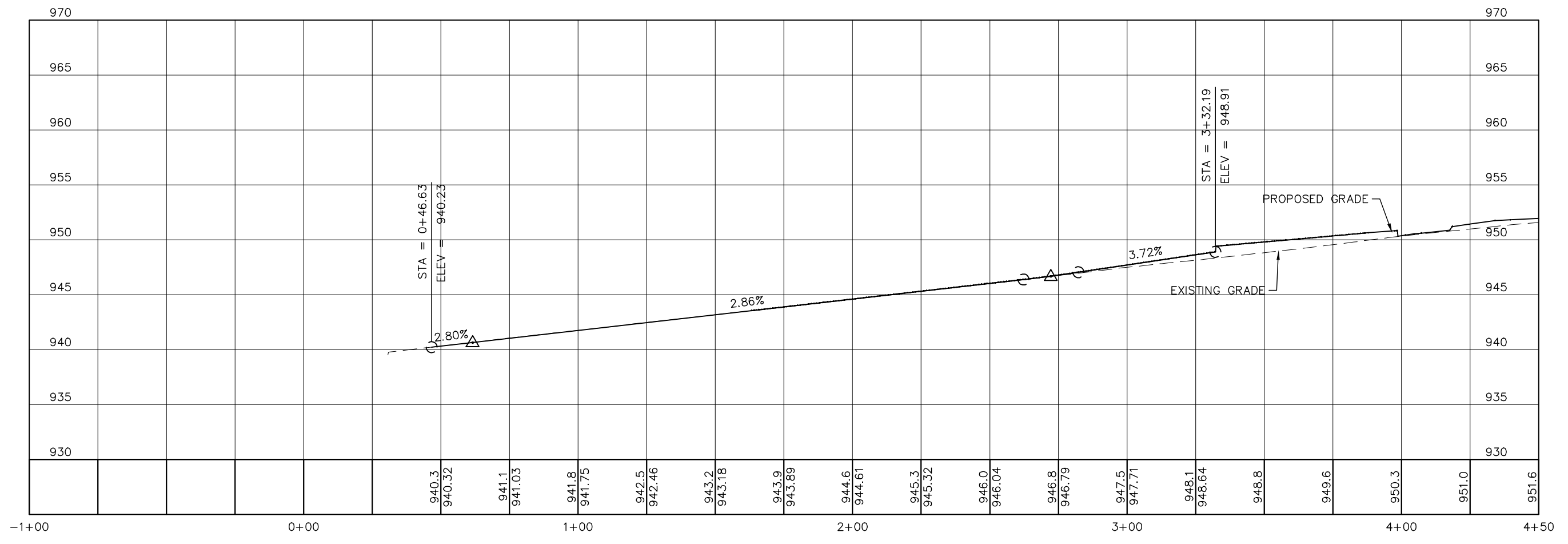
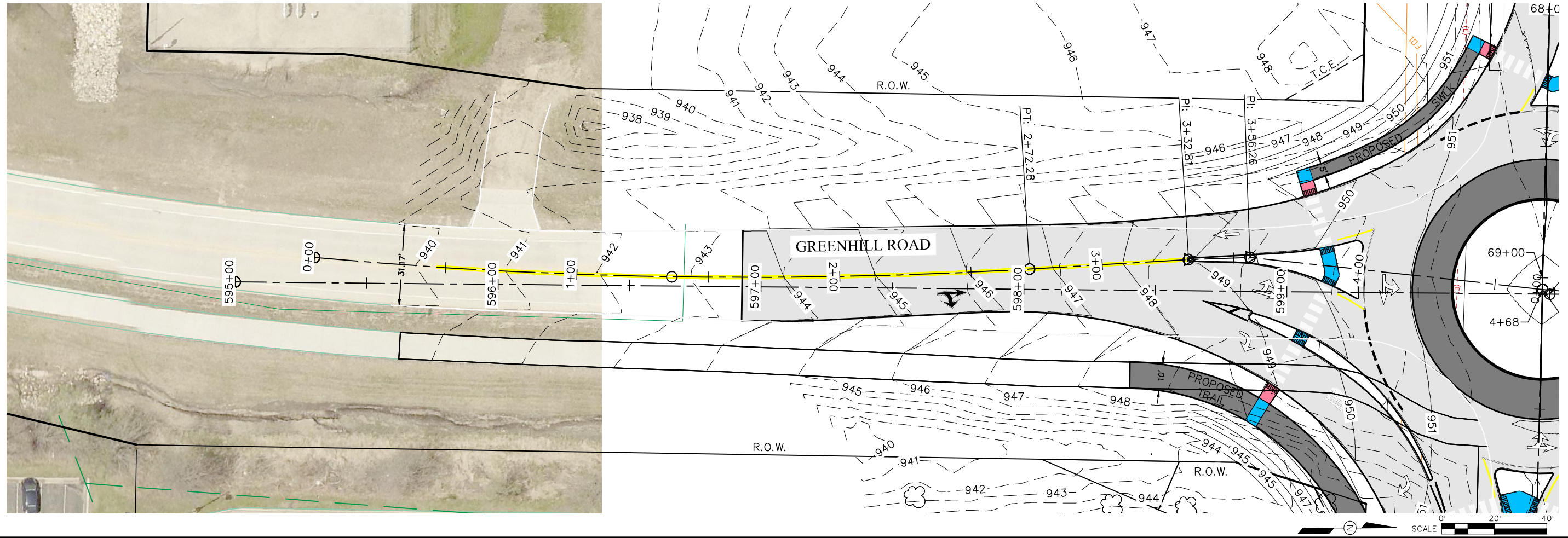
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RC-000-3240  
SIDE ROAD PLAN & PROFILE

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	149
DRAWING NO.	



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CHK	Sweeney, Michelle
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REVISIONS	
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DRN	CHK

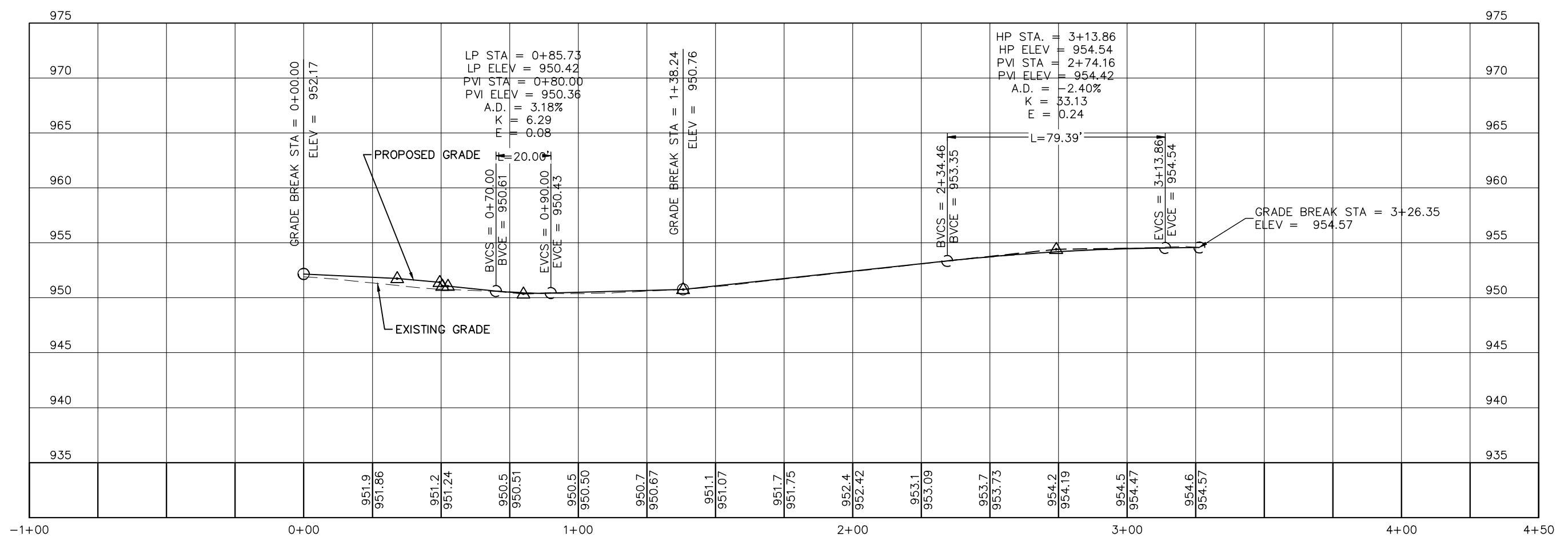
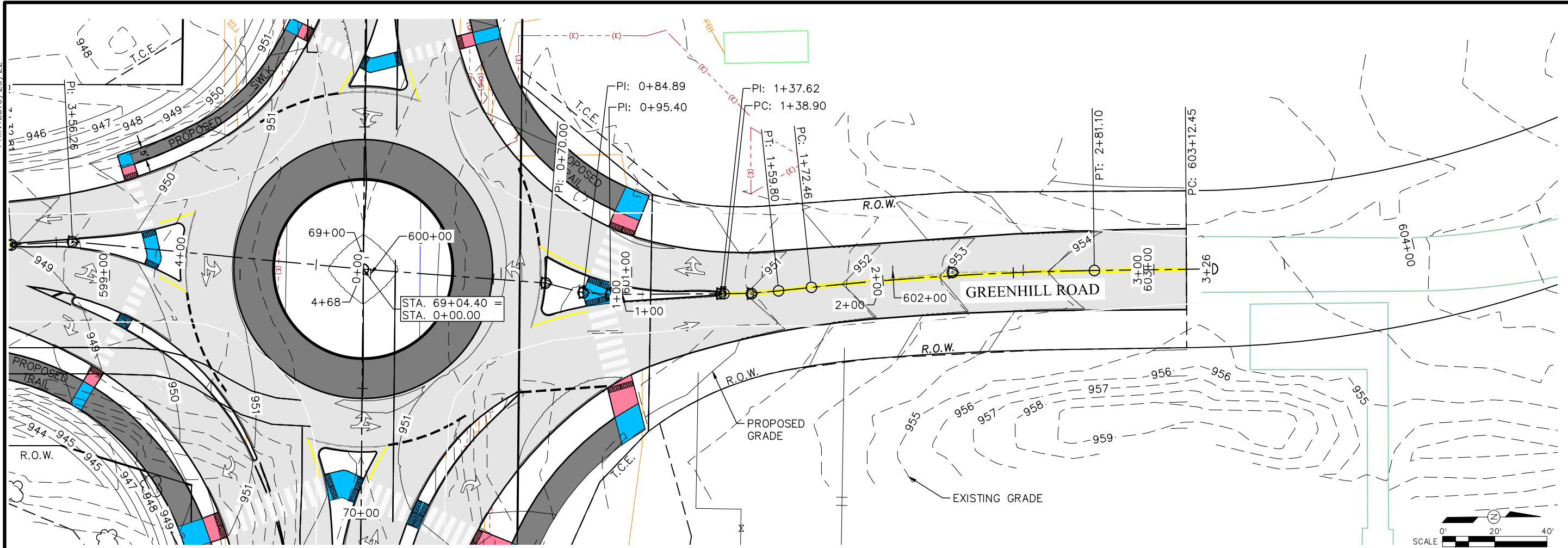
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WEST 27th STREET RECON RC-000-3240	
SIDE ROAD PLAN & PROFILE	
DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	150
DRAWING NO.	150



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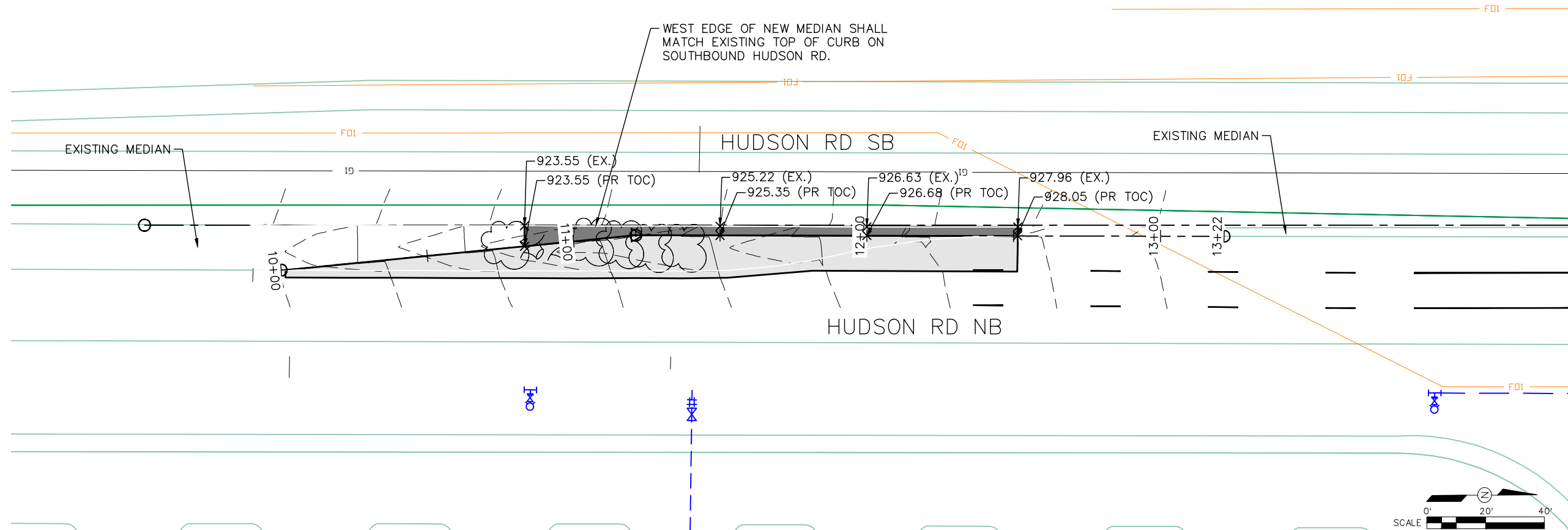
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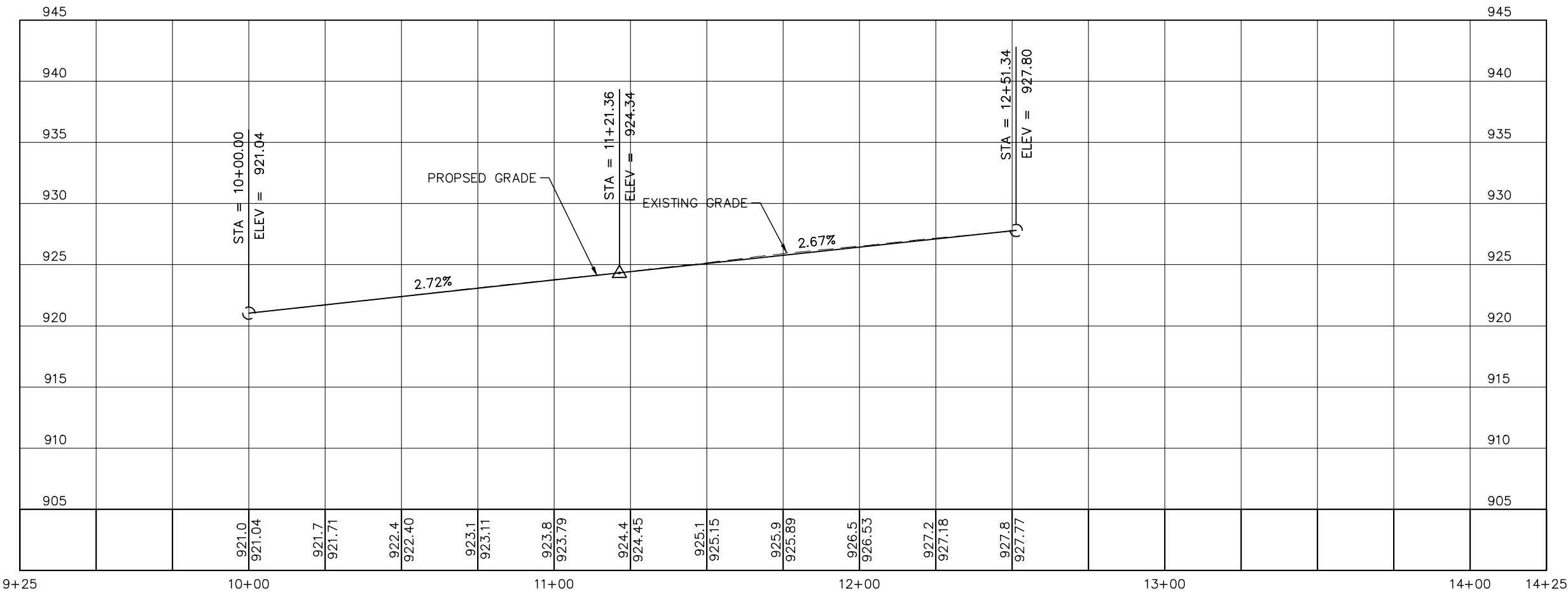
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RC-000-3240

SIDE ROAD PLAN & PROFILE

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	151
DRAWING NO.	



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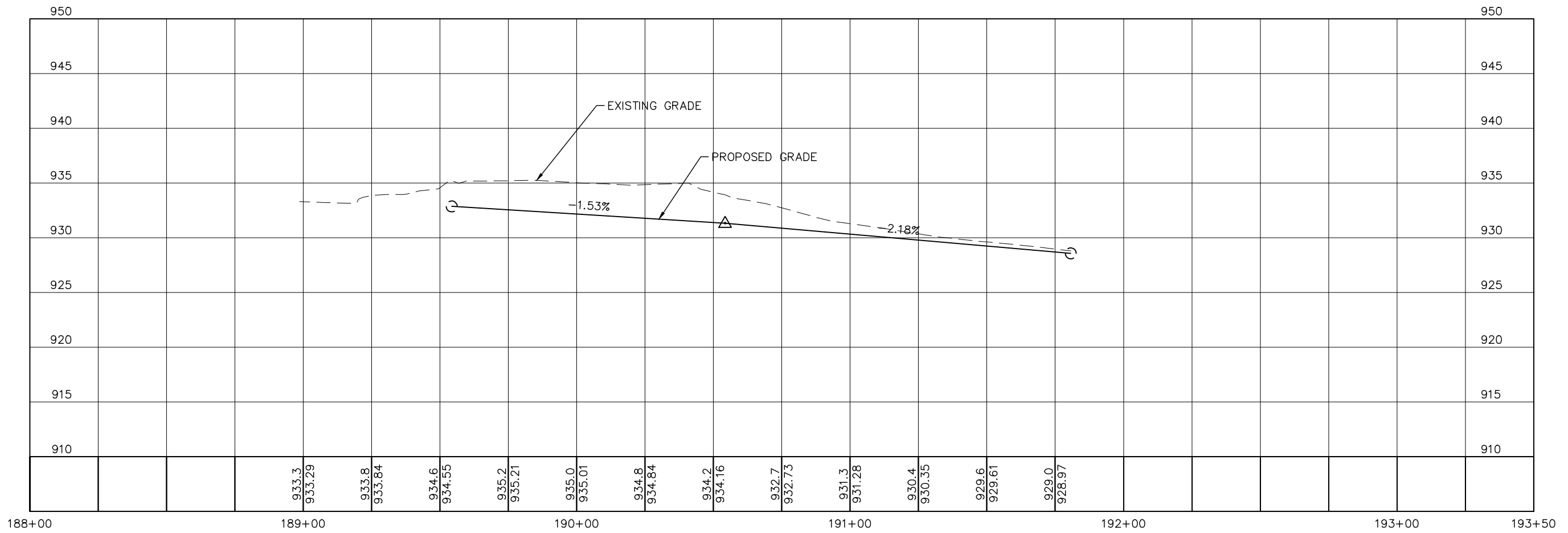
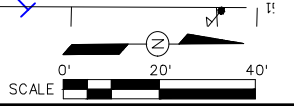
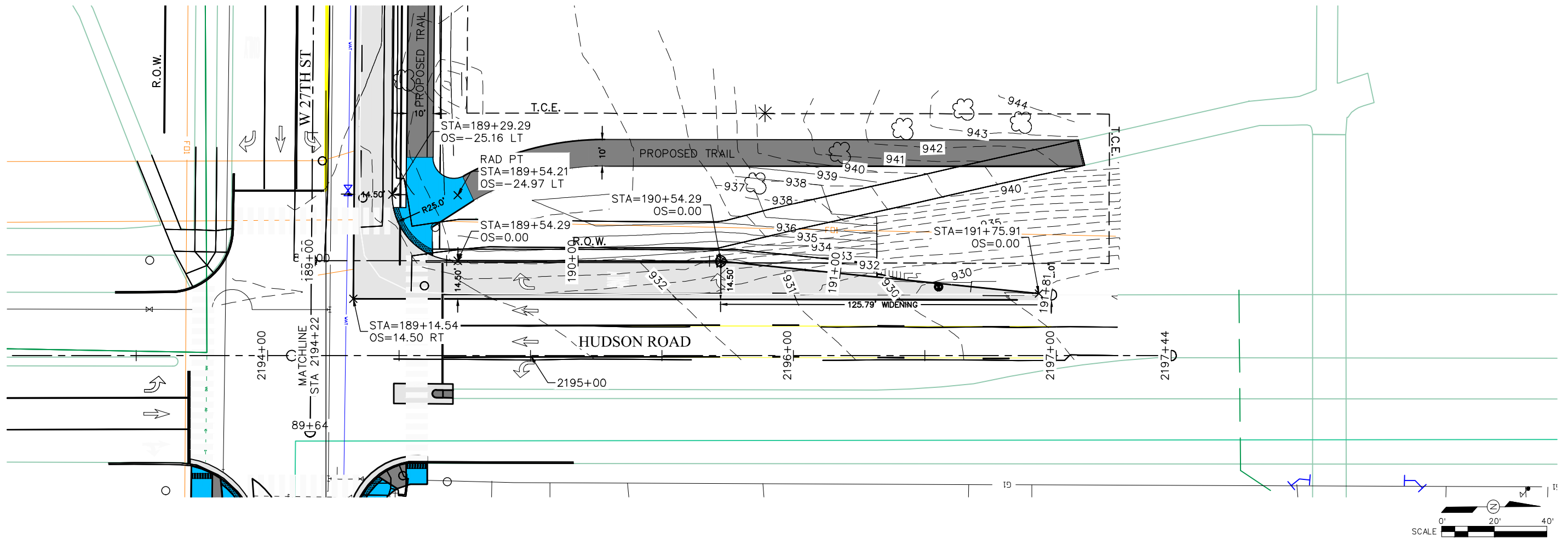
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RC-000-3240  
HUDSON RD PLAN & PROFILE

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	152
DRAWING NO.	



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NO	REVISIONS	DRN	CHK
		Westley, Casey	
		Sweeney, Michelle	

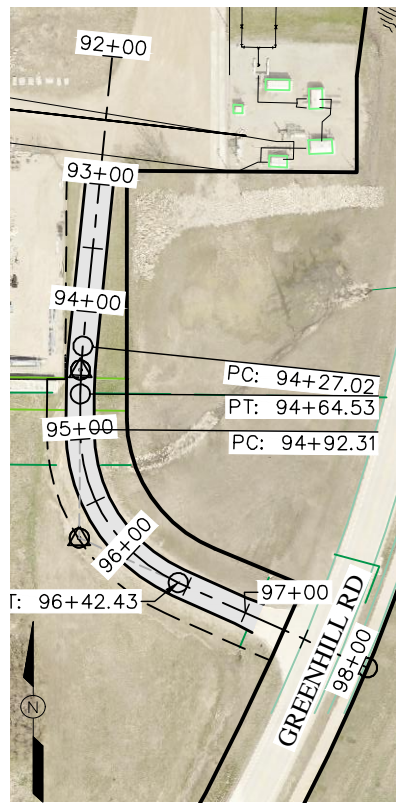


WEST 27th STREET RECON  
RC-000-3240  
SIDE ROAD PLAN & PROFILE

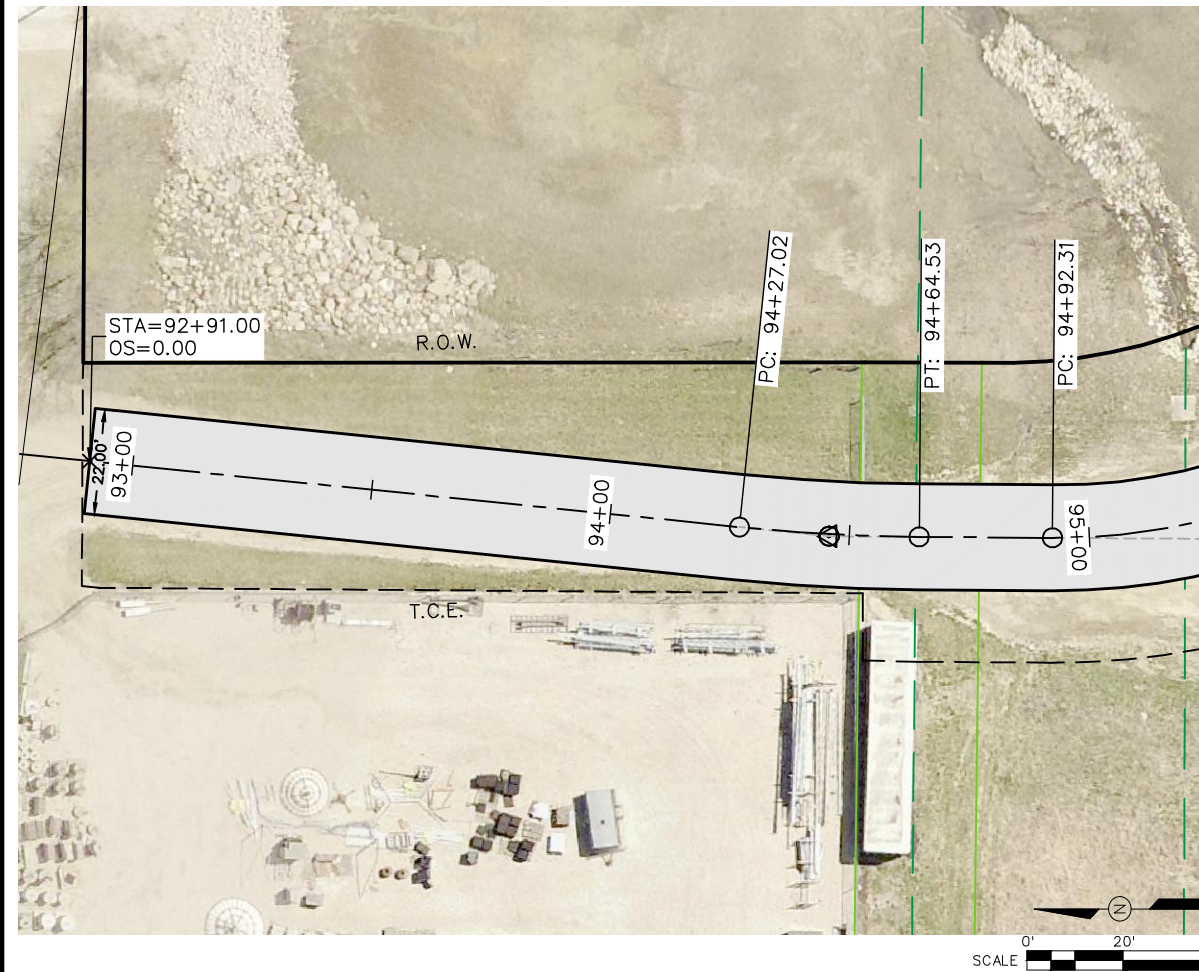
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PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	153
DRAWING NO.	



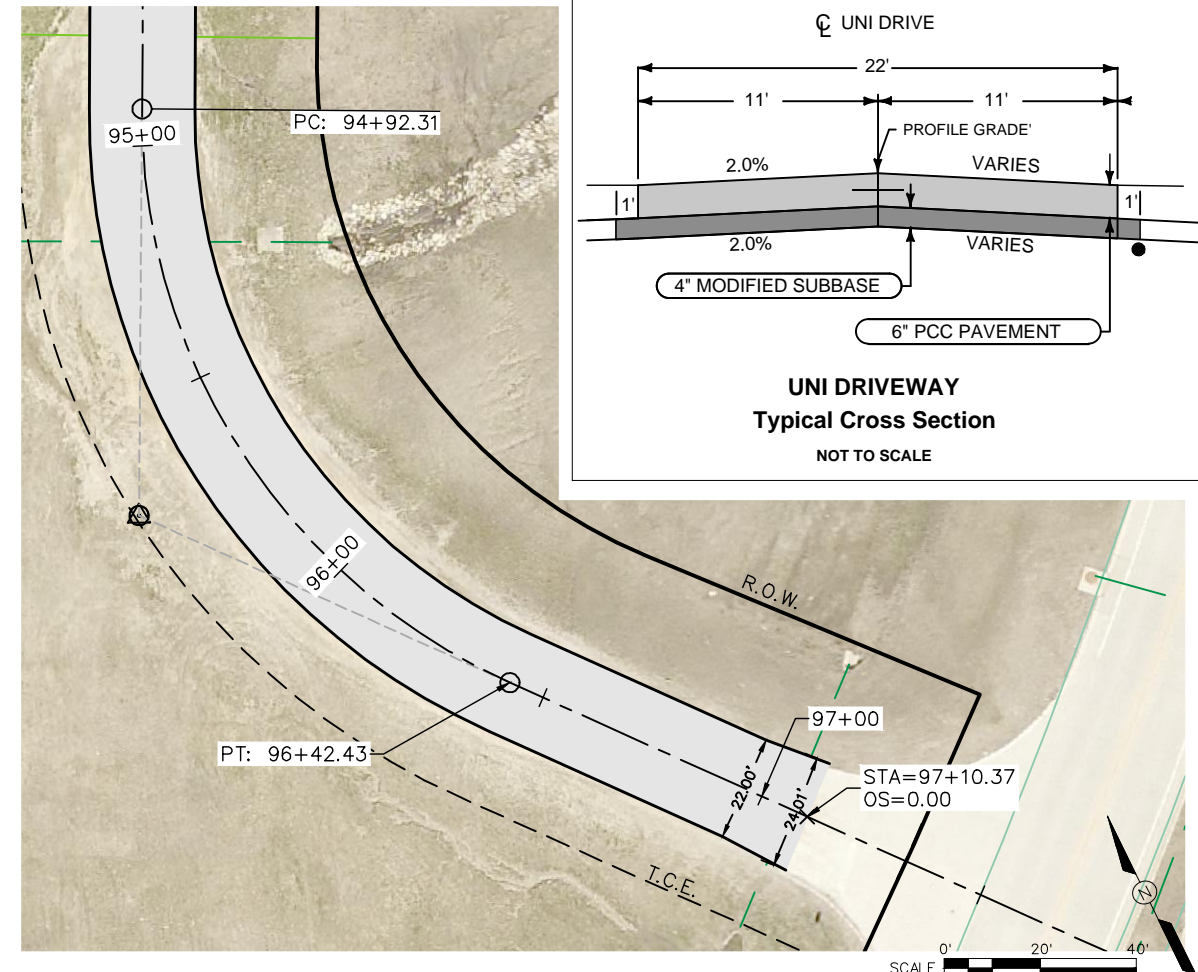
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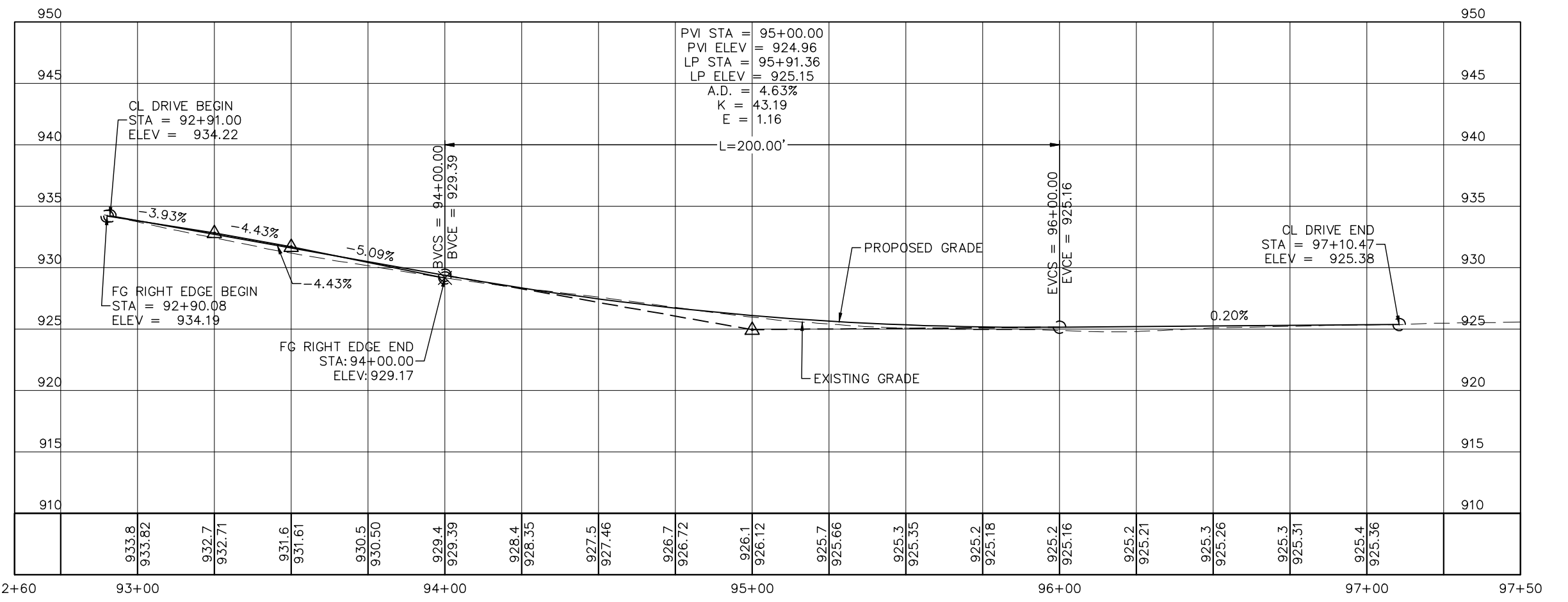
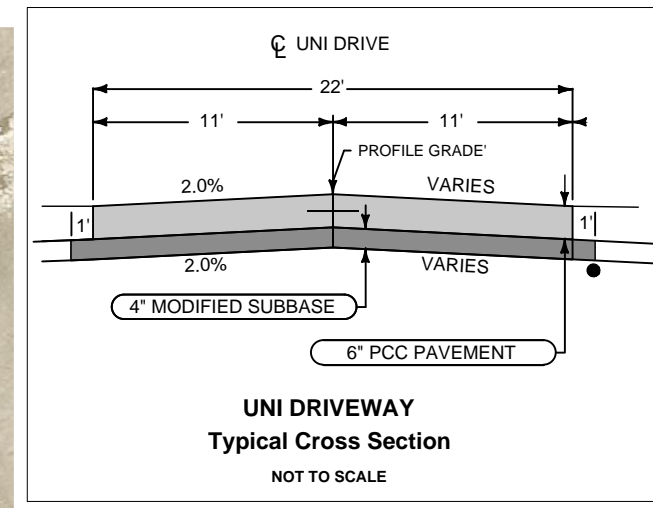
UNI ACCESS DRIVE  
NOT TO SCALE



SCALE 0' 20' 40'



SCALE 0' 20' 40'



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DRN	CHK

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WEST 27th STREET RECON  
RC-000-3240  
UNI ACCESS DRIVE PLAN &  
PROFILE

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	154
DRAWING NO.	154

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PROJECT SITE DESCRIPTION

The extent of the work involved is reconstruction of West 27<sup>th</sup> Street between the western edge of the Cedar Falls High School (CFHS) property and Hudson Road, a distance of approximately 4500 LF. The project includes extension of the existing northbound left-turn lane and the addition of a southbound right-turn lane on Hudson Road at the 27<sup>th</sup> Street intersection. This project also includes the extension of the existing 16" water main across the frontage of the CFHS property. During construction controls will be used to limit erosion and sediment runoff. After project completion all disturbed areas will be restored to original vegetative conditions. The overall site area is approximately 30 acres with an estimated 23 acres being disturbed for construction activities. Based on the project location dewatering is going to be needed during construction and will likely be completed by using well points. Runoff from this project will flow from the site to West Branch Dry Run Creek, ultimately, to the Cedar River.

STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

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 project area. The contractor shall follow the SWPPP layout shown in the construction plans and should update the plan as required during construction. The prime contractor shall be responsible for updating the plan and maintaining the controls for the entire contract. This responsibility shall be further shared with subcontractors whose work is a source of potential pollution. A NPDES General Permit No. 2 is not required for this project as the area of disturbance is below the 1.0 acre threshold, however a City of City Falls Construction Site Runoff Permit is required and shall be obtained prior to construction activities. The contractor shall meet all the SWPPP requirements for the City of Cedar Falls. It is the contractor's responsibility to maintain the pollution control measures until permanent stabilization has occurred.

GENERAL STORM WATER POLLUTION PREVENTION PLAN NOTES

- 1.) Contractor shall contact the City Engineer's Office for a pre-construction inspection prior to commencing construction activities. This meeting shall be documented for future reference.
- 2.) Contractor and Subcontractors shall sign certification forms prior to construction activities. Copies of these forms shall be kept on-site.
- 3.) Contractor shall used stabilized construction entrances/exits to reduce off-site tracking. Probable locations are shown on the erosion control sheets. These locations may vary with construction staging and at the Engineer's discretion. Any changes should be noted on the SWPPP map. Any material tracked outside of the project area shall be cleaned up by the end of the workday of such occurrence.
- 4.) Silt fence or equivalent (must be approved by the Engineer) shall be placed in areas where sediment and other pollutants have the potential to enter waterways or leave the site. Refer to the erosion control sheets for probable location information. These locations may vary based on construction staging and if conditions warrant additional locations. Any

changes to the plan shall be added to the erosion control sheets as construction progresses. All stock pile areas shall also be protected with silt fence. Refer to note 6 for more information regarding stockpiling of material. All intakes within the project area that may be affected by sediment transport shall be protected with filter socks throughout construction.

5.) Silt fence or equivalent (must be approved by the Engineer) shall be used as ditch checks for concentrated flow areas. Refer to the erosion control sheets for location information. These locations may vary as conditions warrant or at the discretion of the engineer.

6.) A concrete washout area(s) shall be set up on-site and clearly marked during all paving operations. The washout area must be accessible to concrete trucks during wet or muddy conditions and must have adequate storage volume to contain all washout and possible rain. Washouts are required to be used and maintained during all paving activities.

7.) If a porta-potty is placed on-site it shall be in an area that would minimize pollution through storm water runoff if a spill were to occur. This location may vary with construction staging and shall be added to the erosion control sheets.

8.) If applicable to this project dumpsters and hazardous material/chemical storage areas shall be set up and clearly marked on-site. These locations may vary with construction staging and shall be added to the erosion control sheets.

9.) Construction material/equipment storage areas and employee parking shall be set up and clearly marked on-site. A probable location is shown on the erosion control sheets. This location may vary with construction staging. Any changes shall be added to the erosion control sheets.

10.) SWPPP Site inspections shall be conducted at least once every 7 calendar days. All inspections shall be joint inspections between the contractor and the inspector. The City of Cedar Falls may also be present during inspections. Signatures of each are required on each inspection form. Any deficiencies found during an inspection shall be corrected according to City of Cedar Falls requirements. All corrective measures shall be implemented as soon as practical, but not more than 7 calendar days from the inspection. If a written or verbal notification is provided by the City of Cedar Falls or other regulatory agencies, the contractor must implement all corrective actions within 48 hours of the notification. If this is not possible, the City and/or regulatory agency shall be notified immediately, and arrangements shall be made according to the permit requirements.

11.) The contractor shall not disturb existing vegetation unless necessary for construction activities. Care should be taken to avoid driving equipment in areas that may damage existing vegetation unless absolutely necessary.

12.) If construction activity is not planned to occur in a disturbed area for at least 14 days temporary or permanent seeding will be required immediately.

13.) Hydraulic seeding and double netted wood excelsior matting shall be utilized for all disturbed area on this project. The matting will be required on all slopes 4:1 or greater and in all applications in or near an existing drainage-way or waterways.

14.) If SWPPP control locations cannot be pre-determined based on construction staging, the SWPPP manager shall add them to the site map as they are implemented.

15.) Dewatering is anticipated for this project and shall be the responsibility of the contractor. The dewatering shall include all necessary labor, equipment and materials required to dewater the trench according to City regulations. The dewatering water must be free of silt and sediment and not cause erosion issues at the outlet location or downstream of the outlet.

Sequence of Pollution Prevention Activities:

- A. Review erosion control sheets and storm water pollution prevention plan.
- B. Contractor to submit certification statements for prime contractor and subcontractors.
- C. Contact City of Cedar Falls for a pre-construction site inspection.
- D. Install/implement erosion control measures. Update the erosion control sheets as necessary to reflect current conditions.
- E. Remove ground cover/topsoil on areas as necessary for construction.
- F. Complete construction and immediately follow with final topsoil placement.
- G. Install temporary stabilization mix, permanent seeding/mulching ground cover or other permanent stabilization measures as described in the project plans.
- H. Throughout construction maintain all erosion control measures.
- I. Repeat above sequence (D-I) as ground cover is removed by subsequent construction activity.

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RC-000-3240

EROSION CONTROL

DATE 3-25-2022  
PROJECT NO. 60637669  
MILESTONE FINAL PLANS  
SHEET NO.  
DRAWING NO. 155



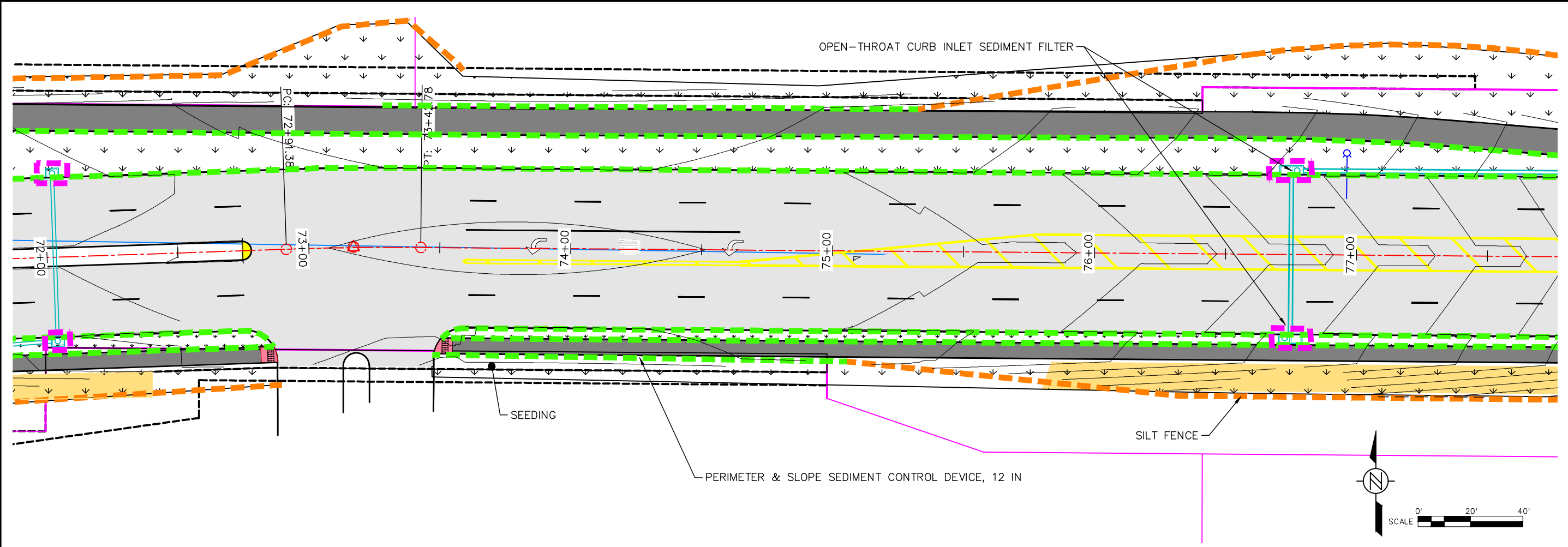
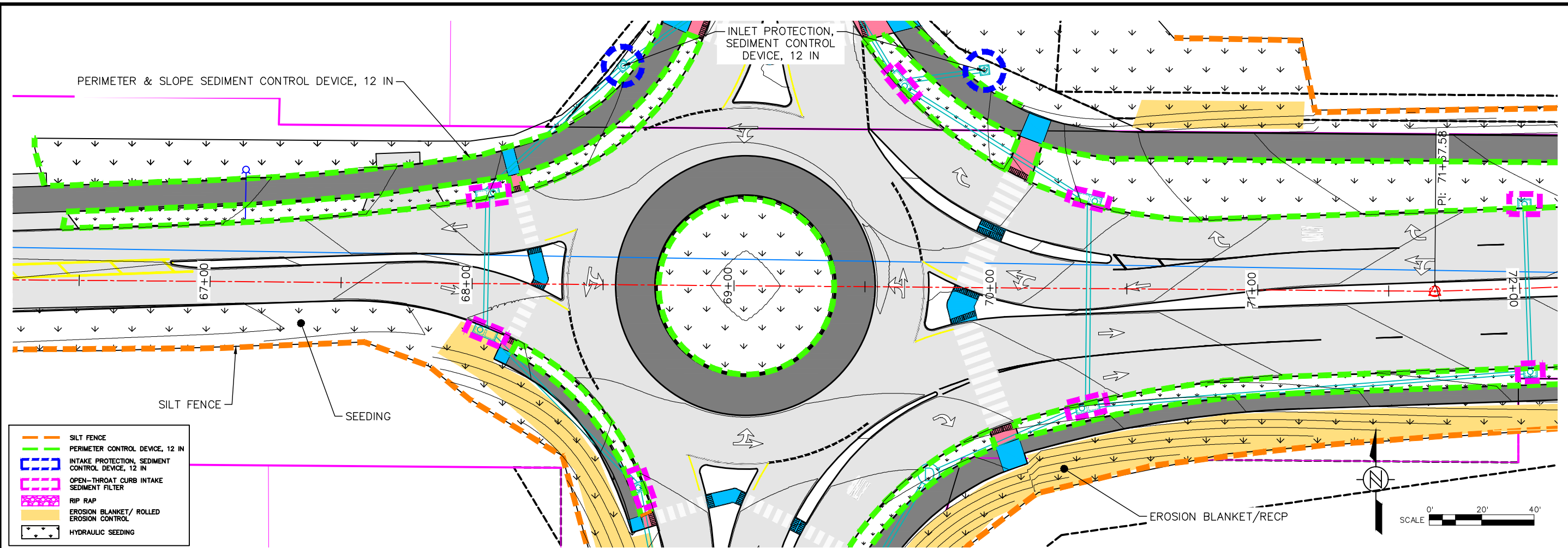








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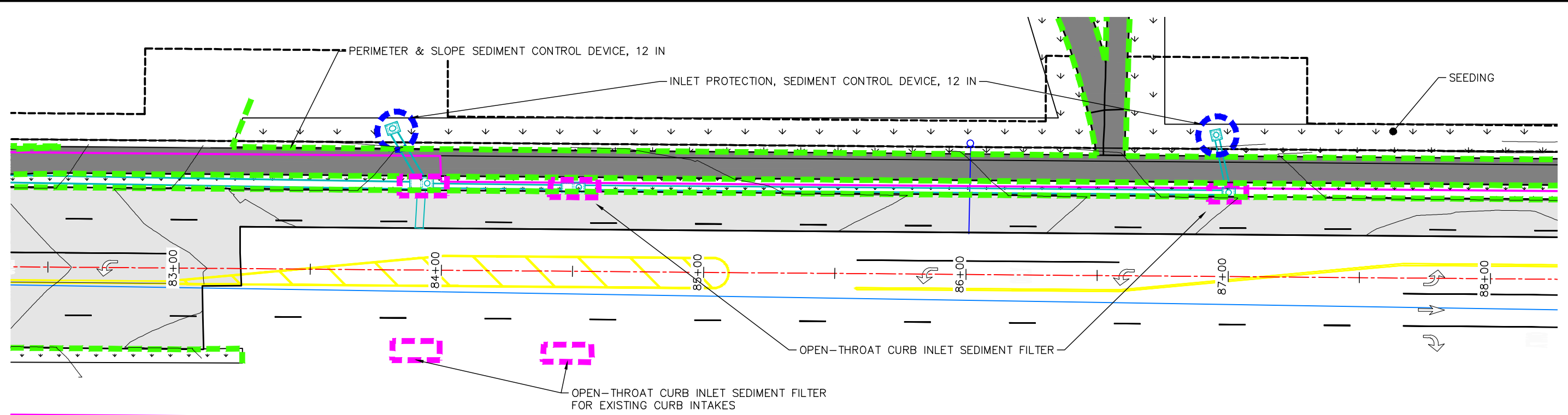
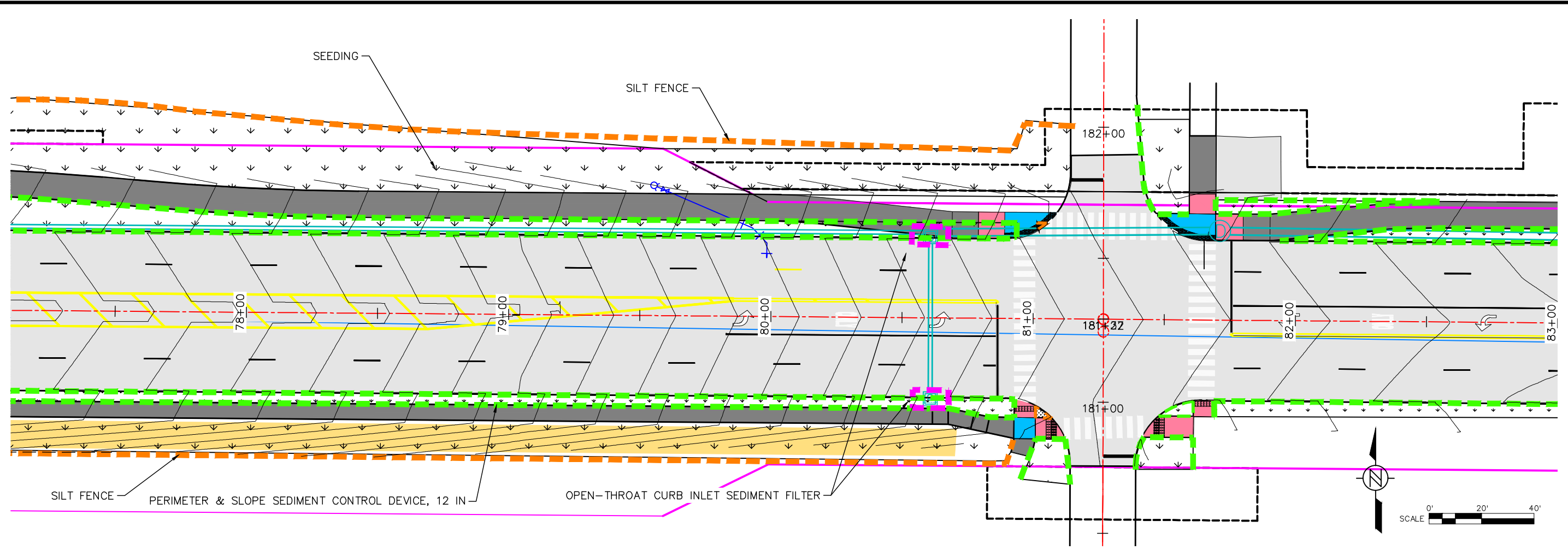
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WEST 27th STREET RECON  
 RC-000-3240  
 EROSION CONTROL

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	159

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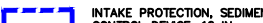




- SILT FENCE
- PERIMETER CONTROL DEVICE, 12 IN
- INTAKE PROTECTION, SEDIMENT CONTROL DEVICE, 12 IN
- OPEN-THROAT CURB INTAKE SEDIMENT FILTER
- ▨ RIP RAP
- ▨ EROSION BLANKET/ ROLLED EROSION CONTROL
- ▼ HYDRAULIC SEEDING

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 EROSION CONTROL

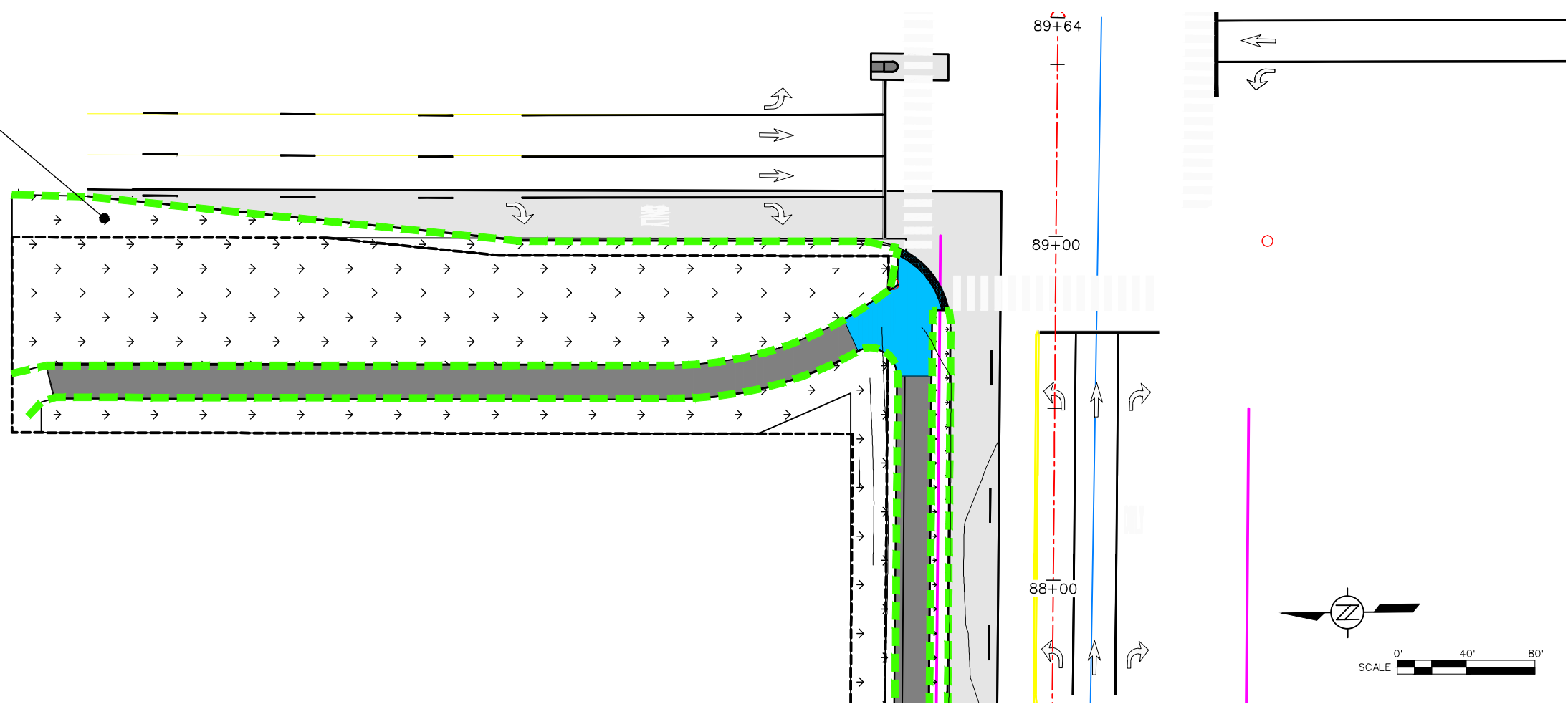
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PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	160
DRAWING NO.	160

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-  SILT FENCE
-  PERIMETER CONTROL DEVICE, 12 IN
-  INTAKE PROTECTION, SEDIMENT CONTROL DEVICE, 12 IN
-  OPEN-THROAT CURB INTAKE SEDIMENT FILTER
-  RIP RAP
-  EROSION BLANKET/ ROLLED EROSION CONTROL
-  HYDRAULIC SEEDING

SEEDING

PERIMETER & SLOPE SEDIMENT CONTROL DEVICE, 12 IN



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SILT FENCE

OPEN-THROAT CURB INLET PROTECTION

SEEDING

7.9 TONS RIP RAP AT 2' DEPTH  
165 SF ENGINEERING FABRIC

EROSION BLANKET/RECP

6.00

12.50

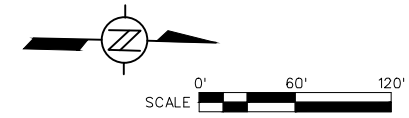
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PERIMETER & SLOPE SEDIMENT CONTROL DEVICE, 12 IN



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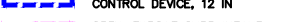



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RC-000-3240  
EROSION CONTROL

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	161

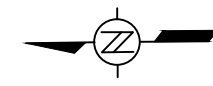
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-  SILT FENCE
-  PERIMETER CONTROL DEVICE, 12 IN
-  INTAKE PROTECTION, SEDIMENT CONTROL DEVICE, 12 IN
-  OPEN-THROAT CURB INTAKE SEDIMENT FILTER
-  RIP RAP
-  EROSION BLANKET/ ROLLED EROSION CONTROL
-  HYDRAULIC SEEDING

PERIMETER & SLOPE SEDIMENT CONTROL DEVICE, 12 IN

SEEDING

SEEDING



SCALE 0' 40' 80'

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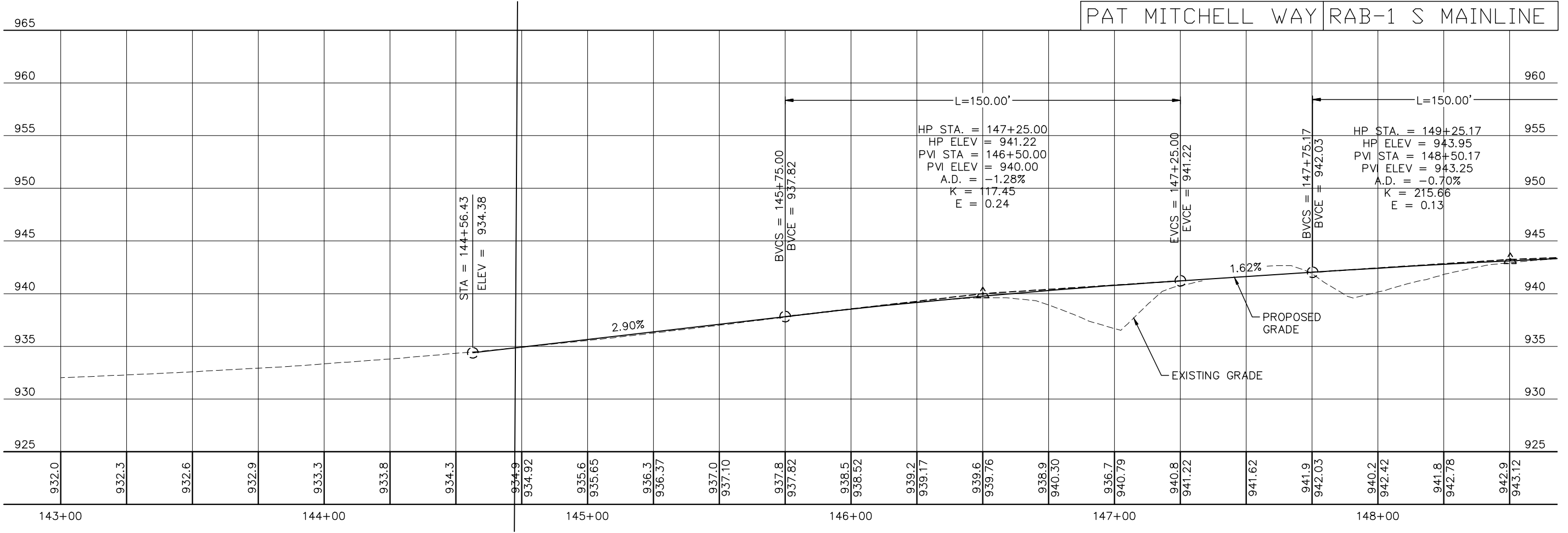
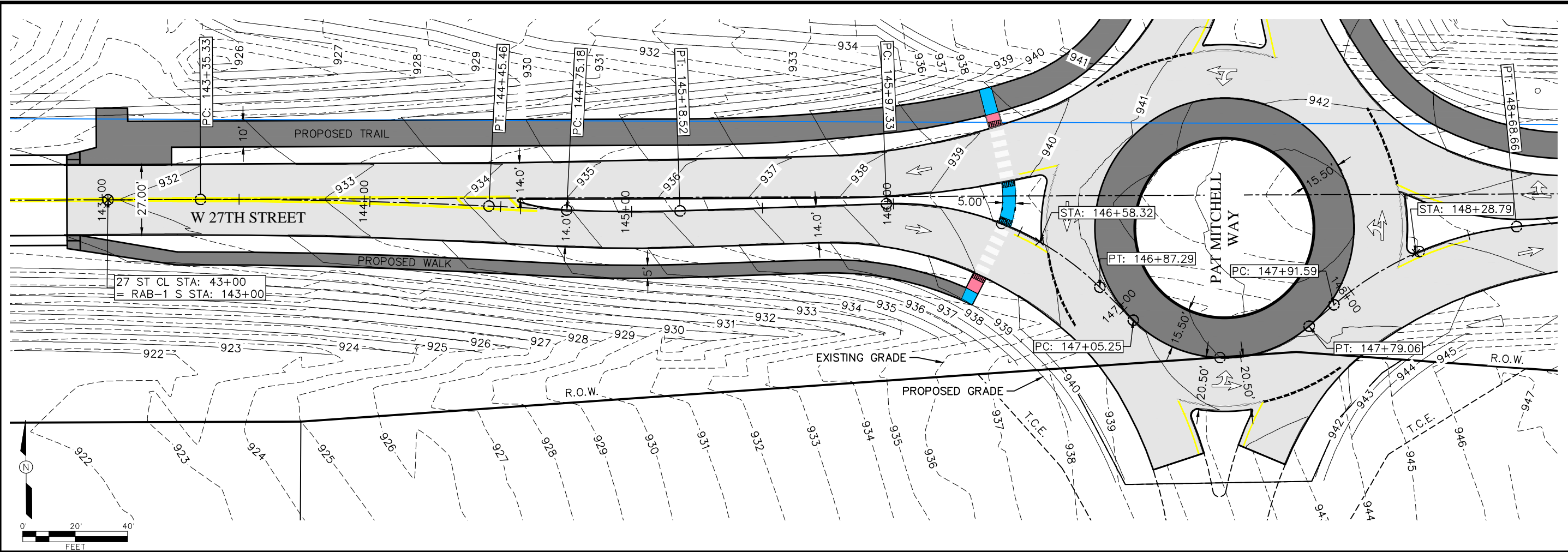


WEST 27th STREET RECON  
RC-000-3240  
TITLE SHEET

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	162

EC-03





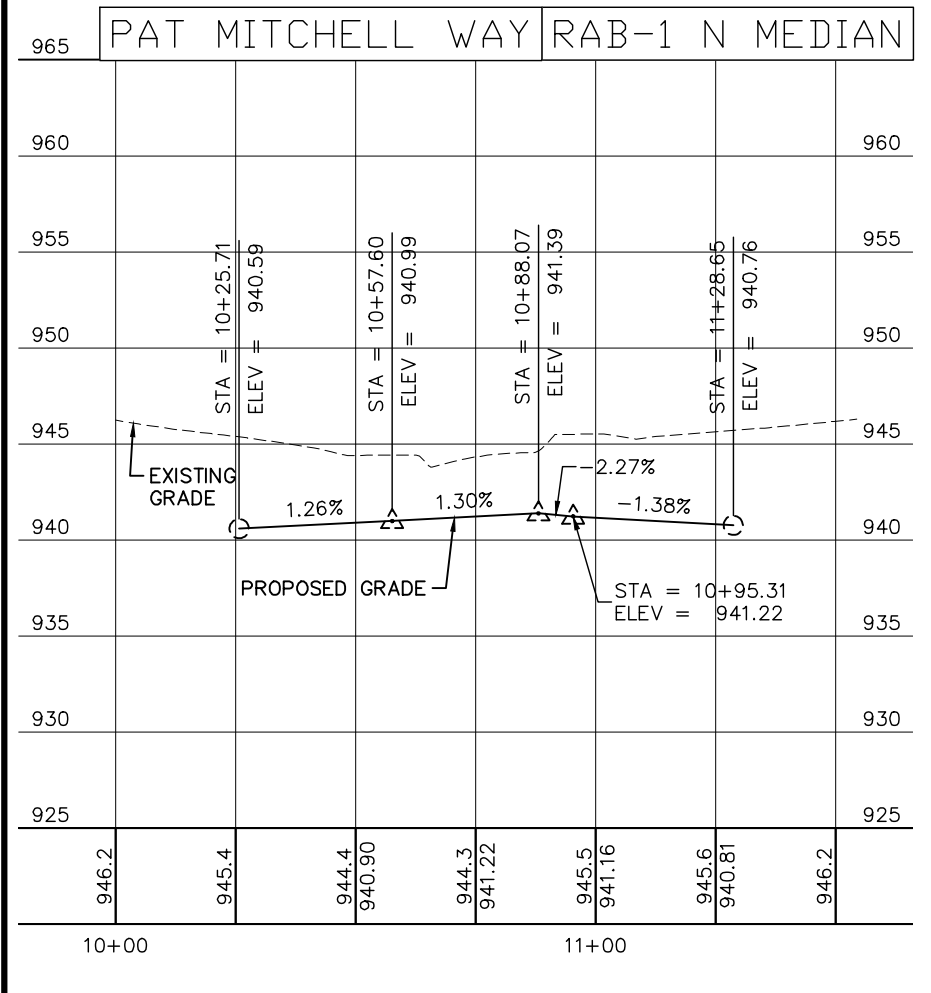
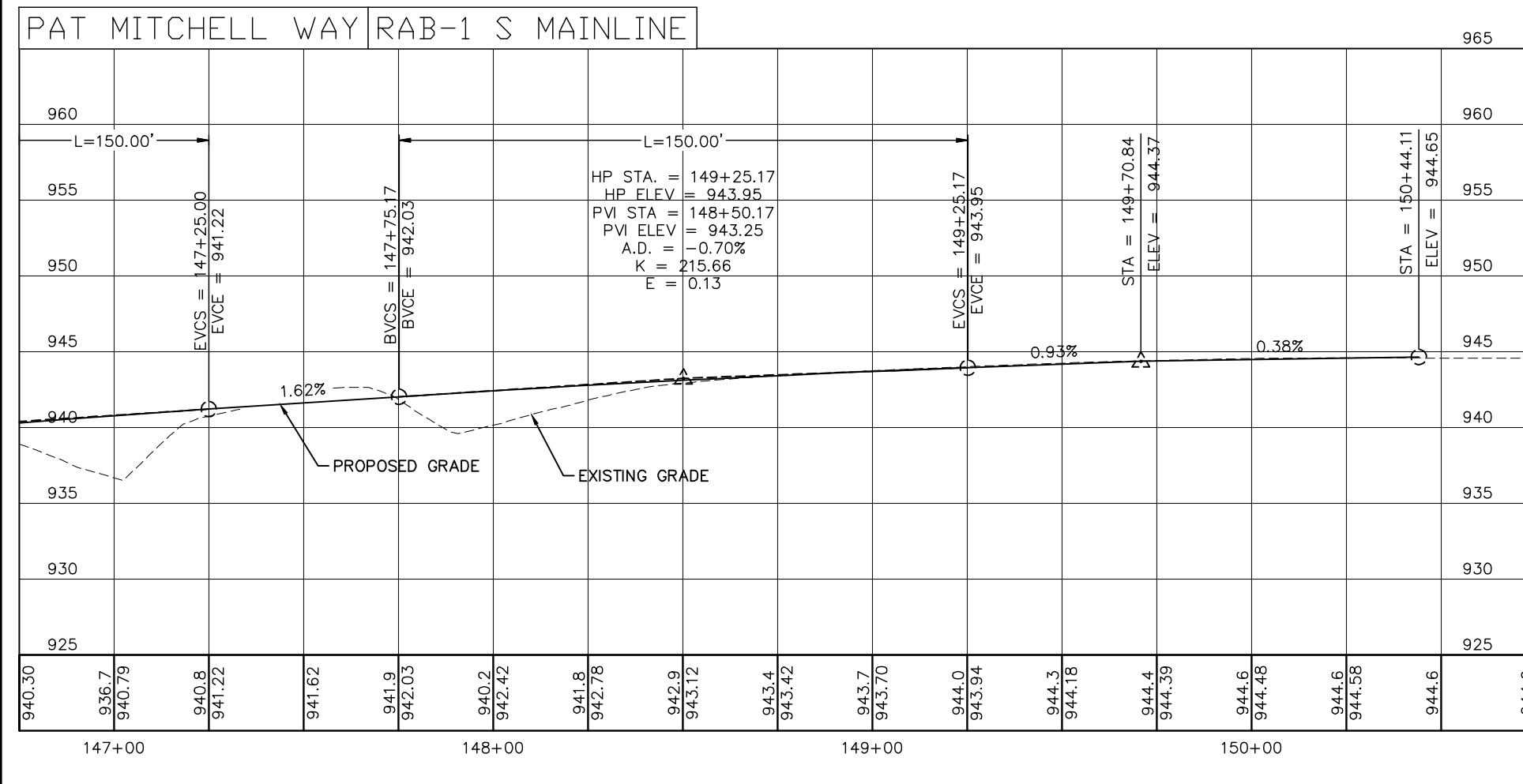
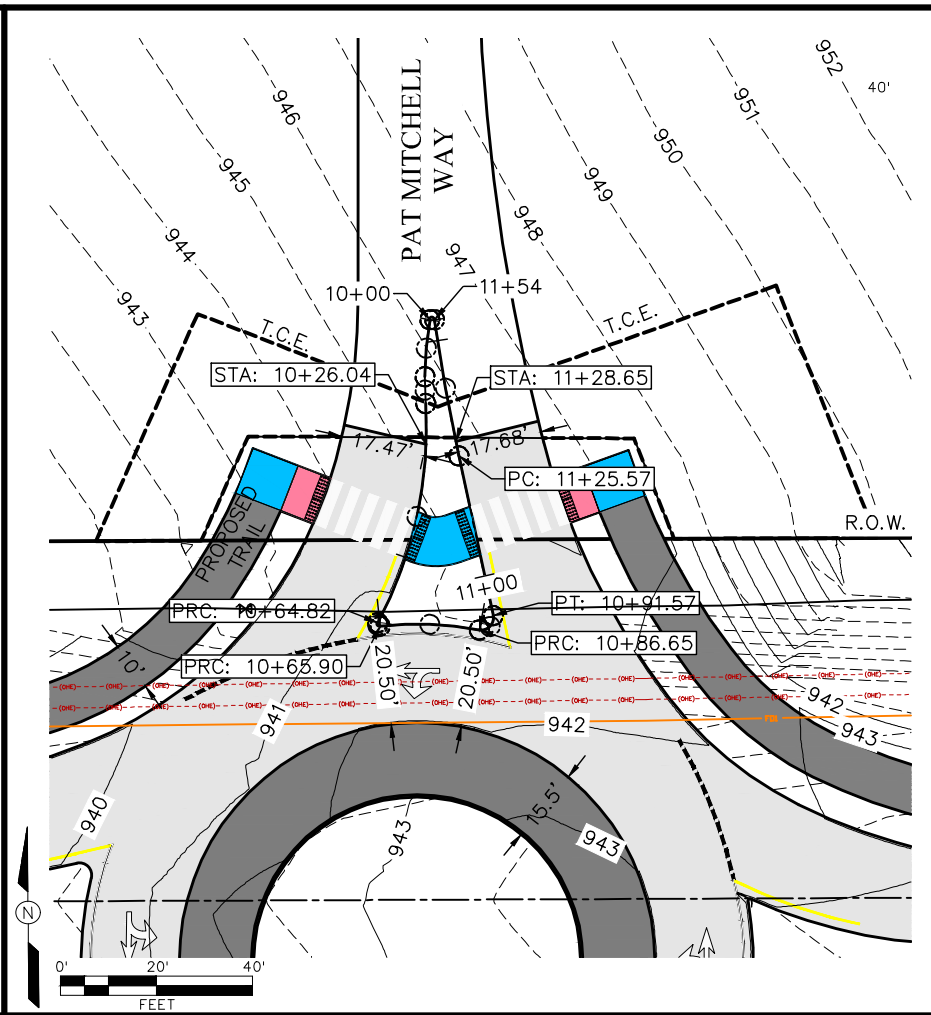
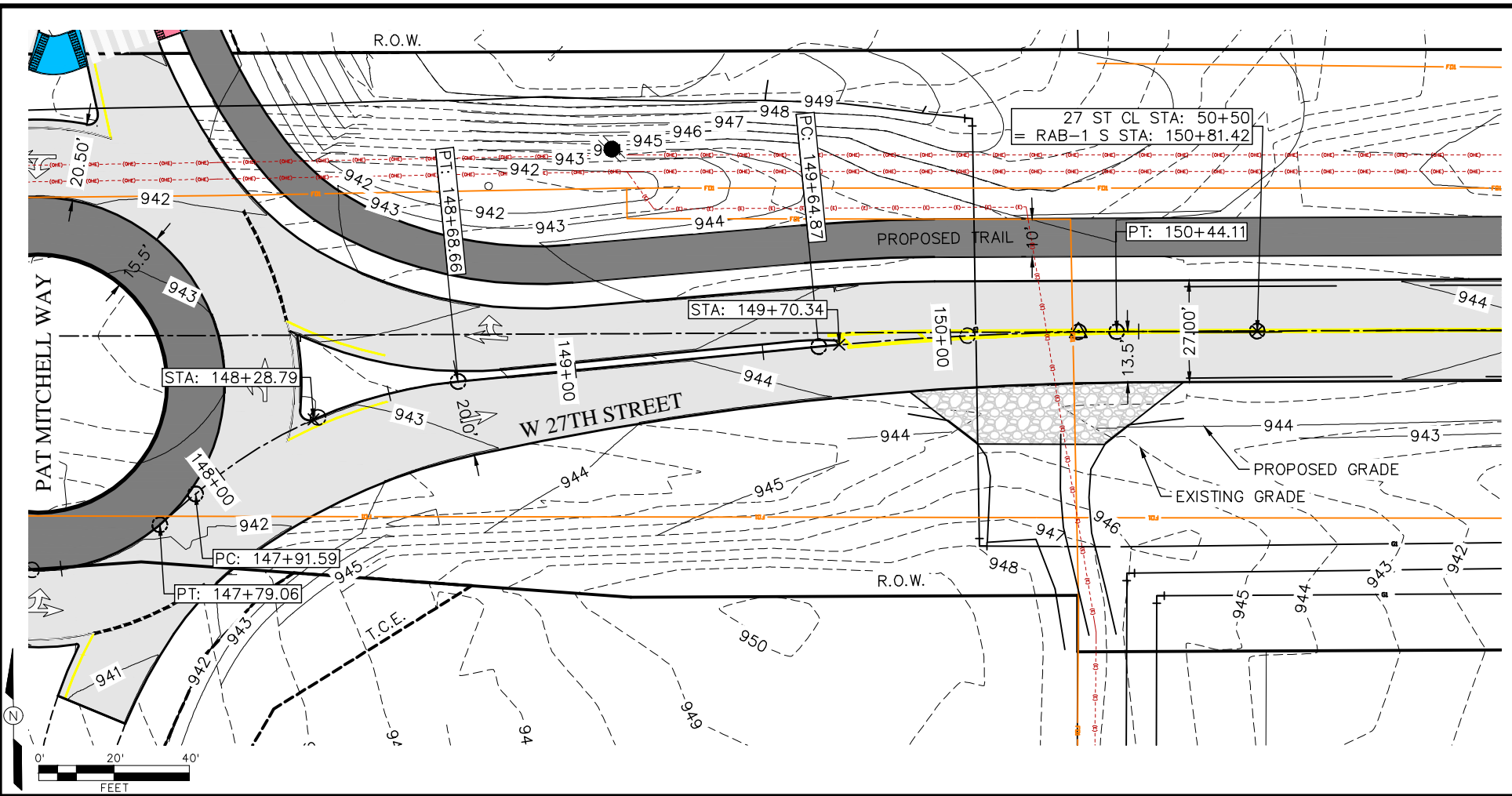
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CHK	NO
APP	REVISIONS
REC'D	NO
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WEST 27th STREET RECON  
RC-000-3240  
PAT MITCHELL WAY RAB-1

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	163
DRAWING NO.	163

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RC-000-3240

PAT MITCHELL WAY RAB-1

DATE 7/30/2021

PROJECT NO. 60637669

MILESTONE CHECK PLANS

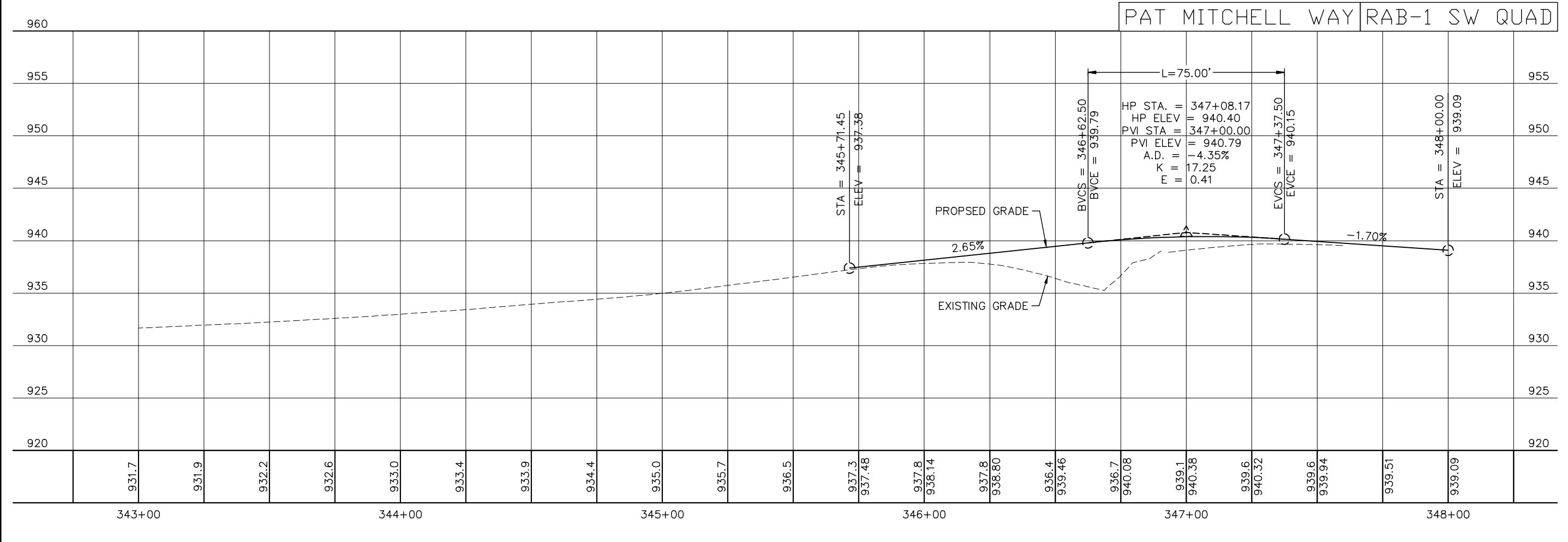
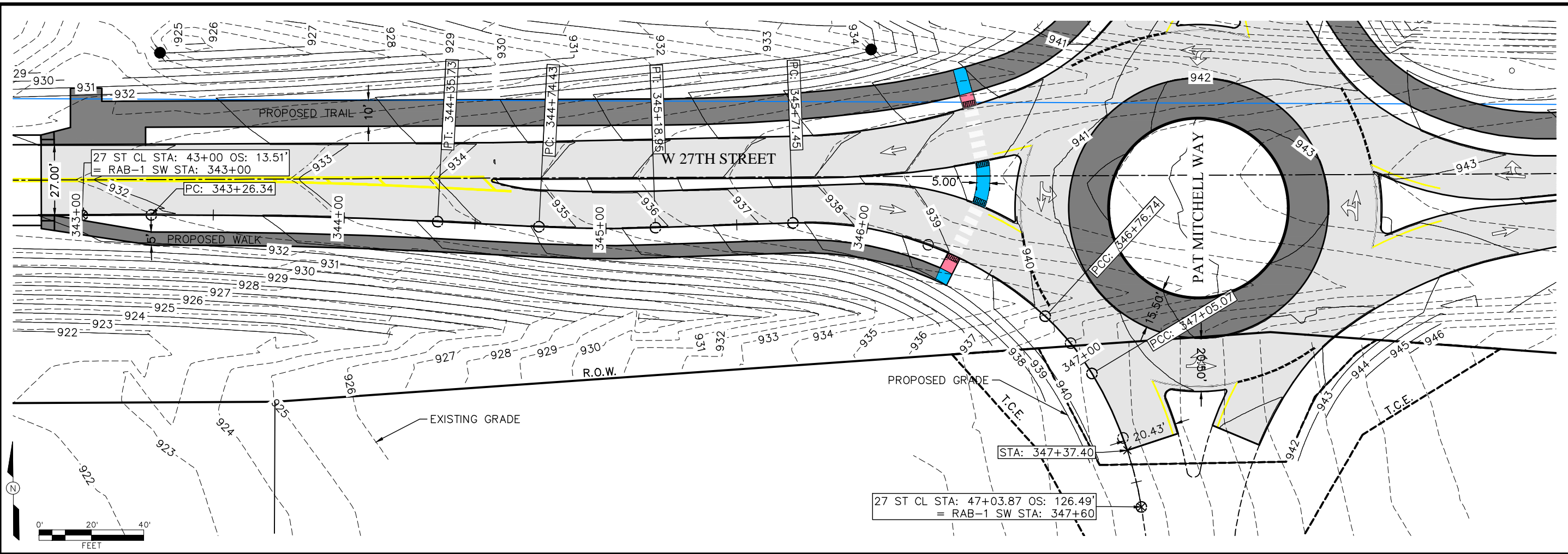
SHEET NO. 164

DRAWING NO. 164





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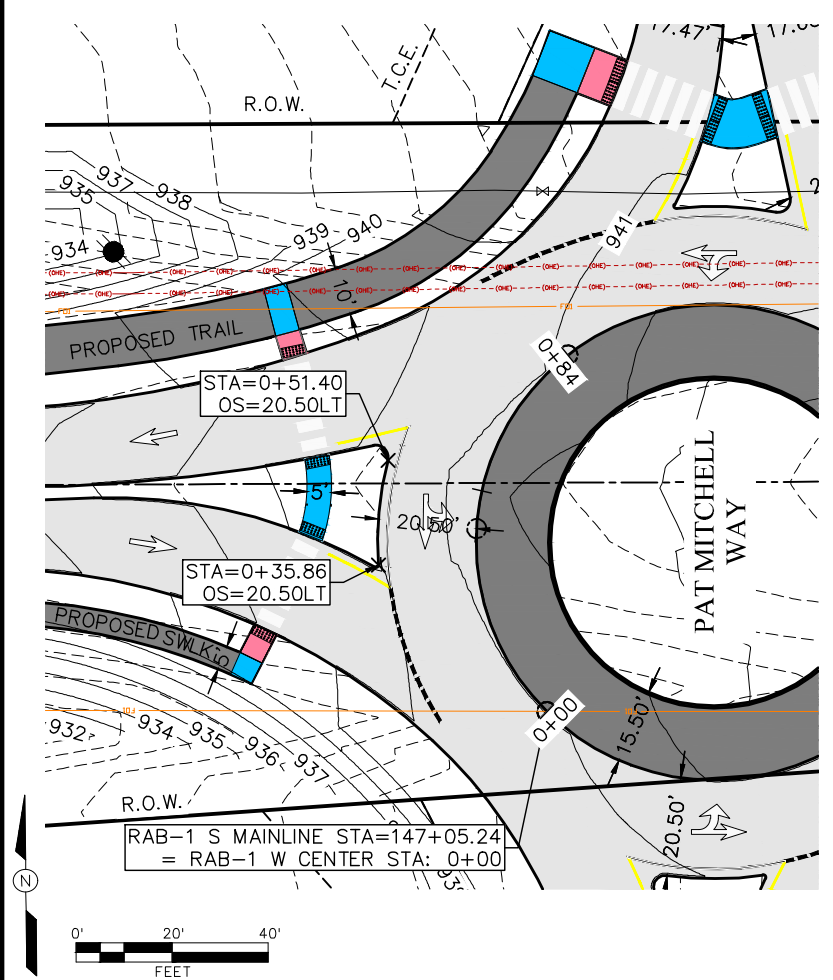
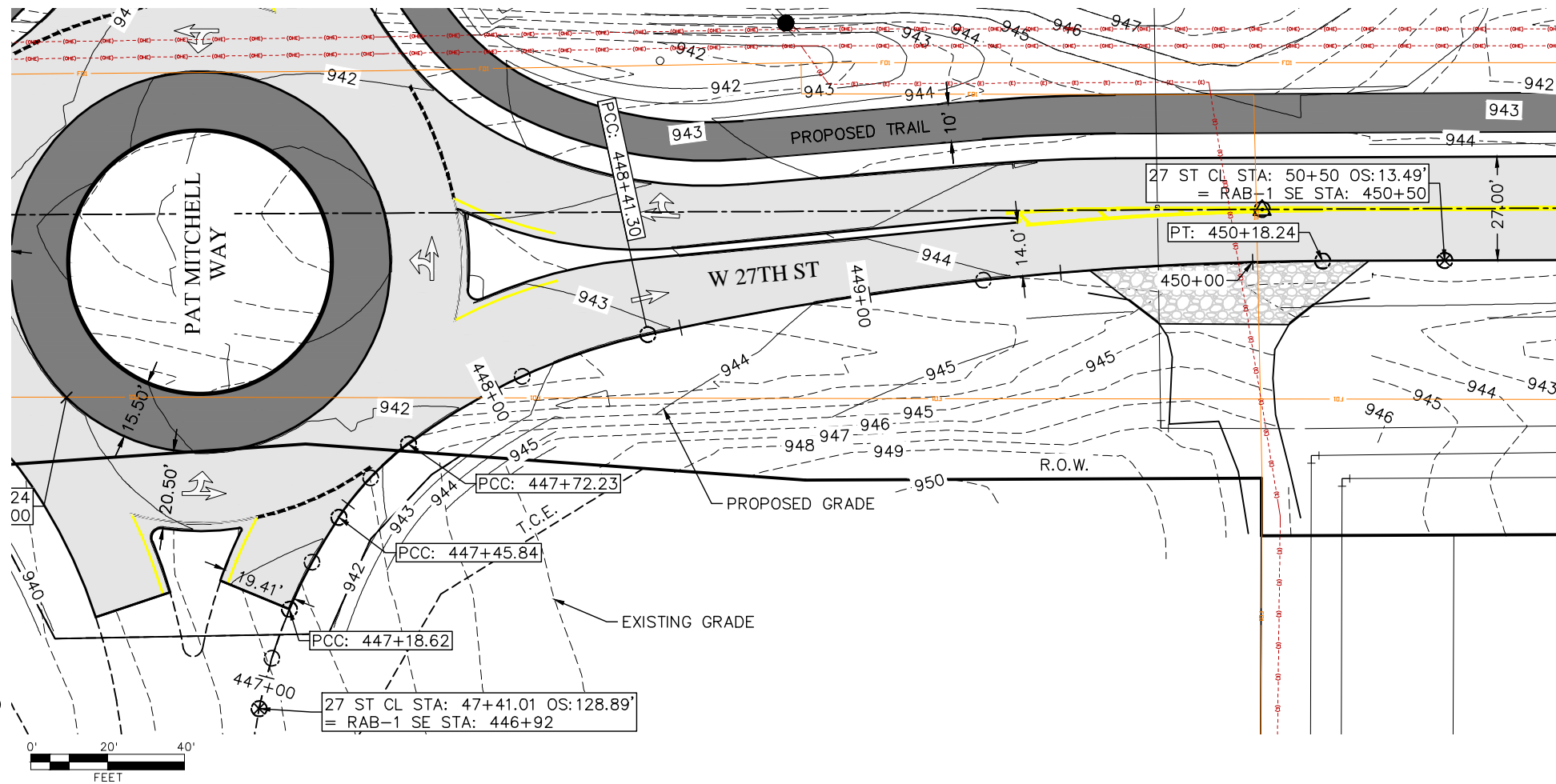
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PROJECT NO.	60637669
MILESTONE	CHECK PLANS
SHEET NO.	166
DRAWING NO.	



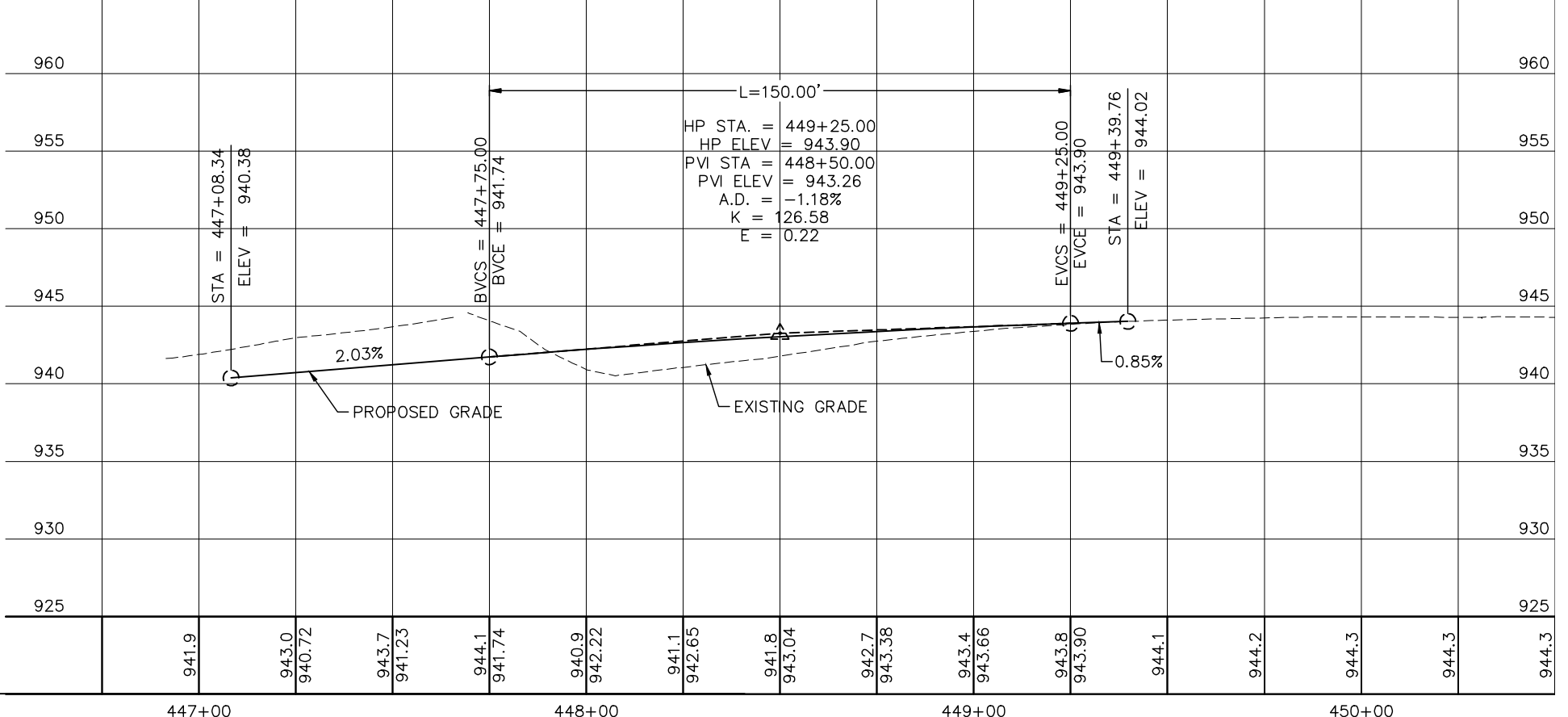




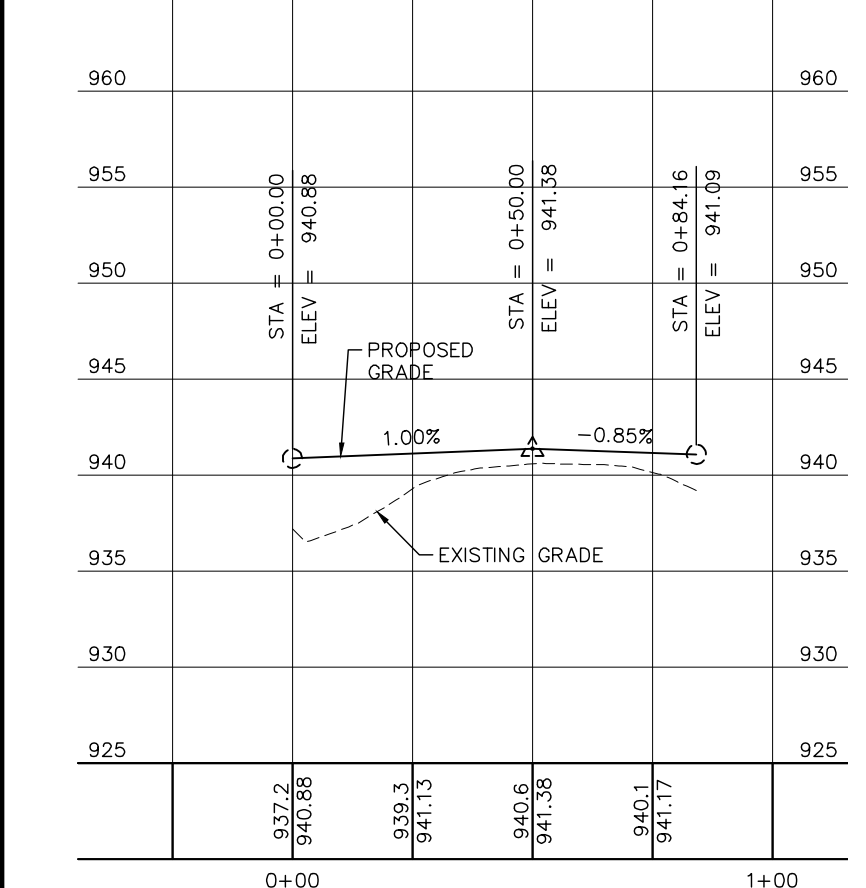
PRINTED: 3/25/22



PAT MITCHELL WAY RAB-1 SE QUAD



PAT MITCHELL WAY RAB-1 W CENTER



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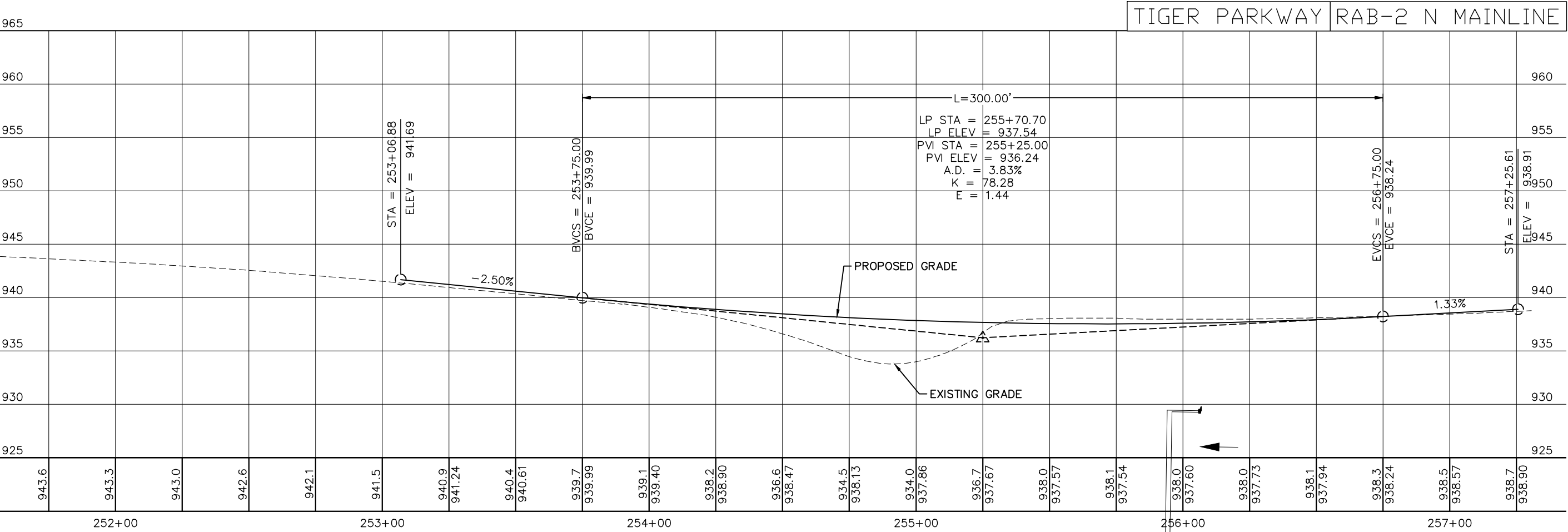
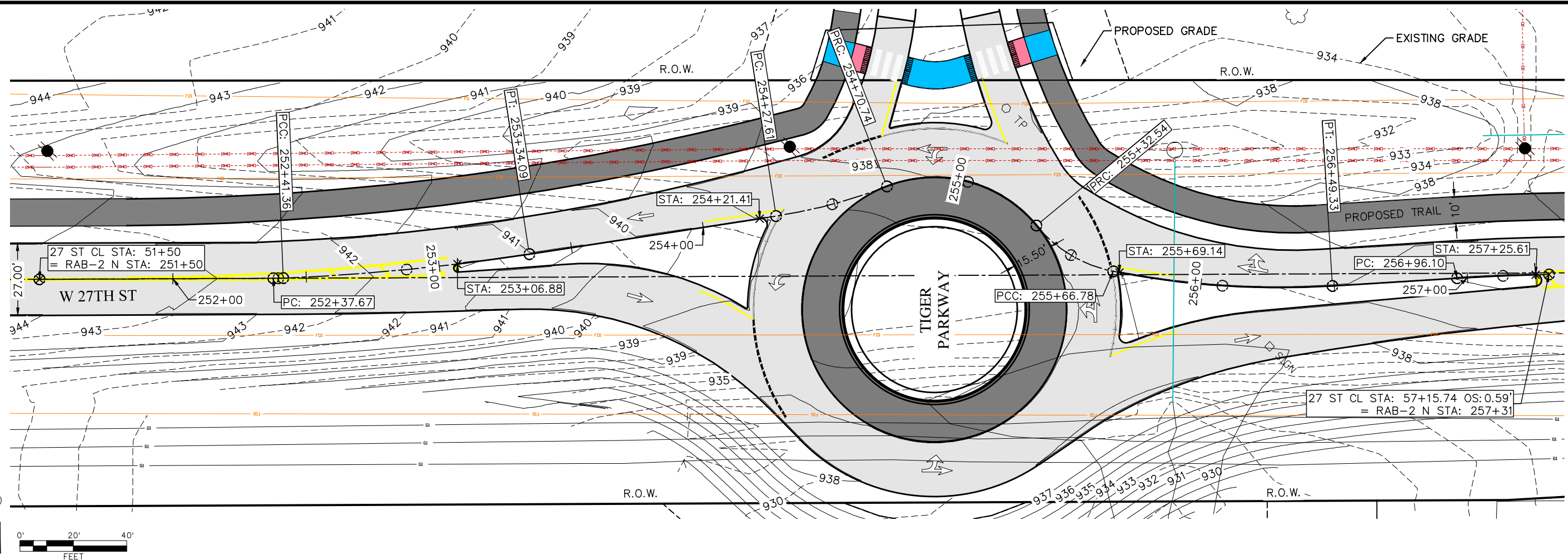
Item 17.

DRN	Westley, Casey	NO
DES		
CHK	Sweeney, Michelle	
APP		
RECOM		



WEST 27th STREET RECON  
RC-000-3240  
PAT MITCHELL WAY RAB-1

DATE	7/30/2021
PROJECT NO.	60637669
MILESTONE	CHECK PLANS
SHEET NO.	169
DRAWING NO.	



Item 17.	DATE
	DRN
	CHK
	NO
	REVISIONS
	APP
	REC'D



WEST 27th STREET RECON  
RC-000-3240  
TIGER PARKWAY RAB-2

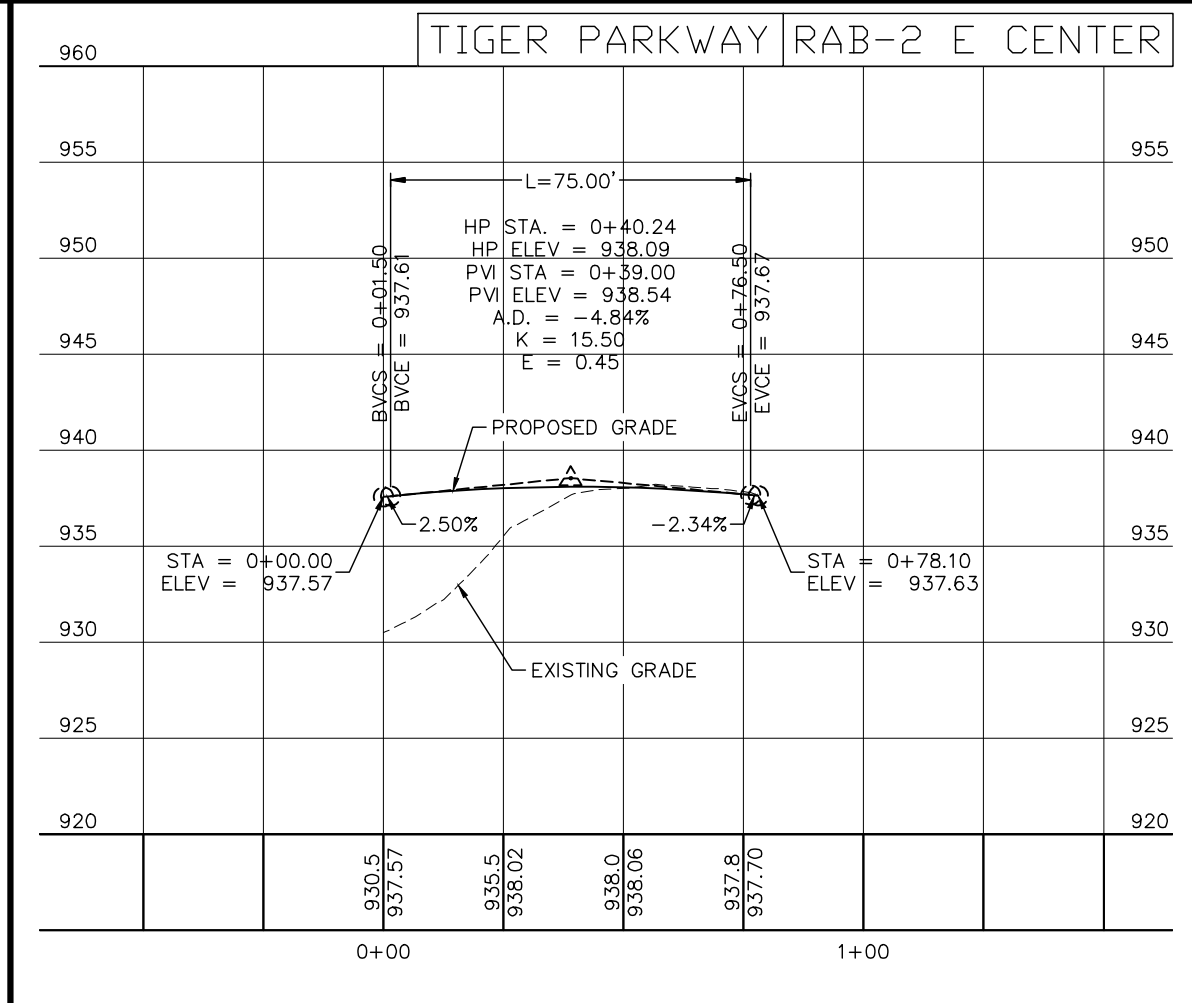
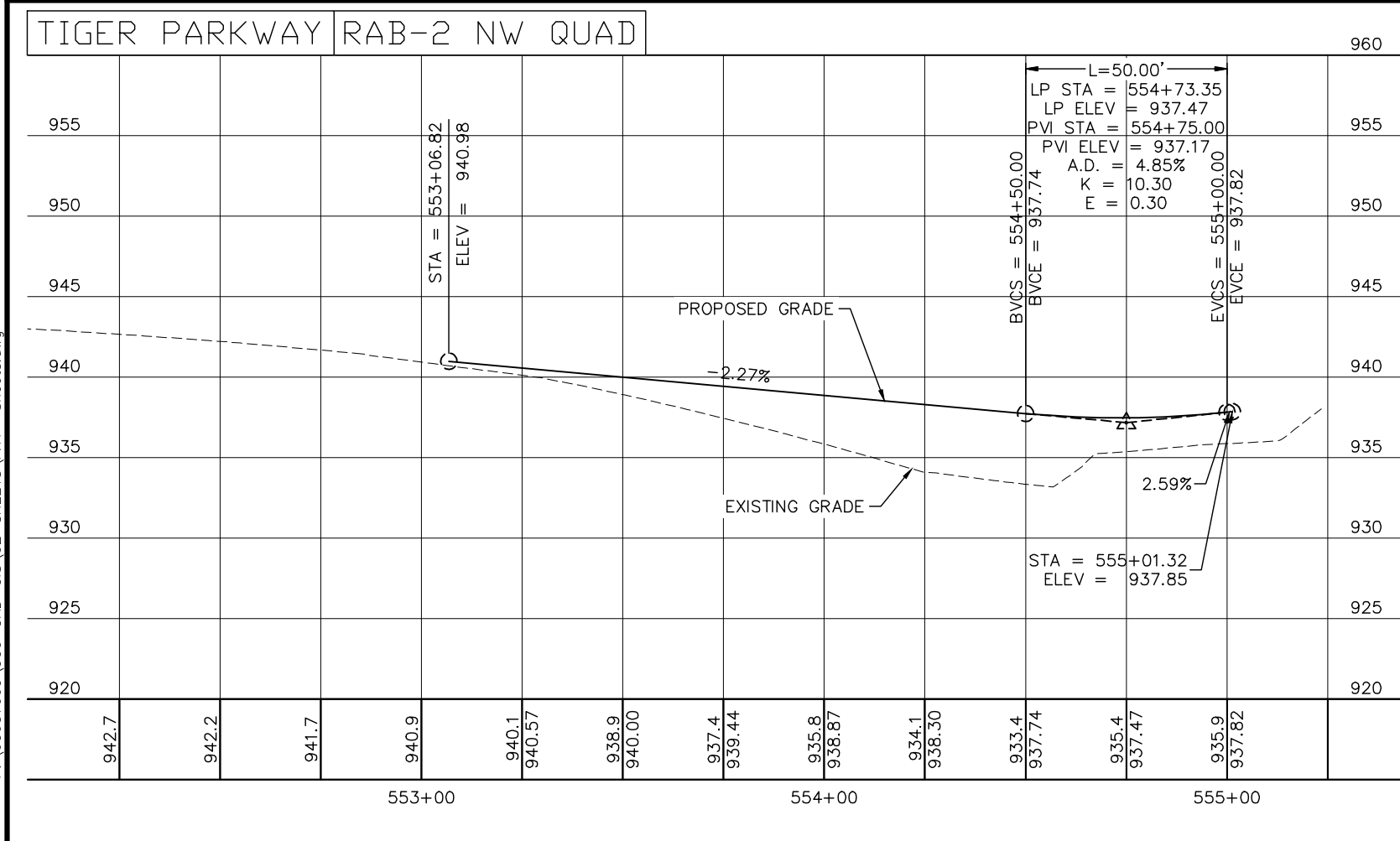
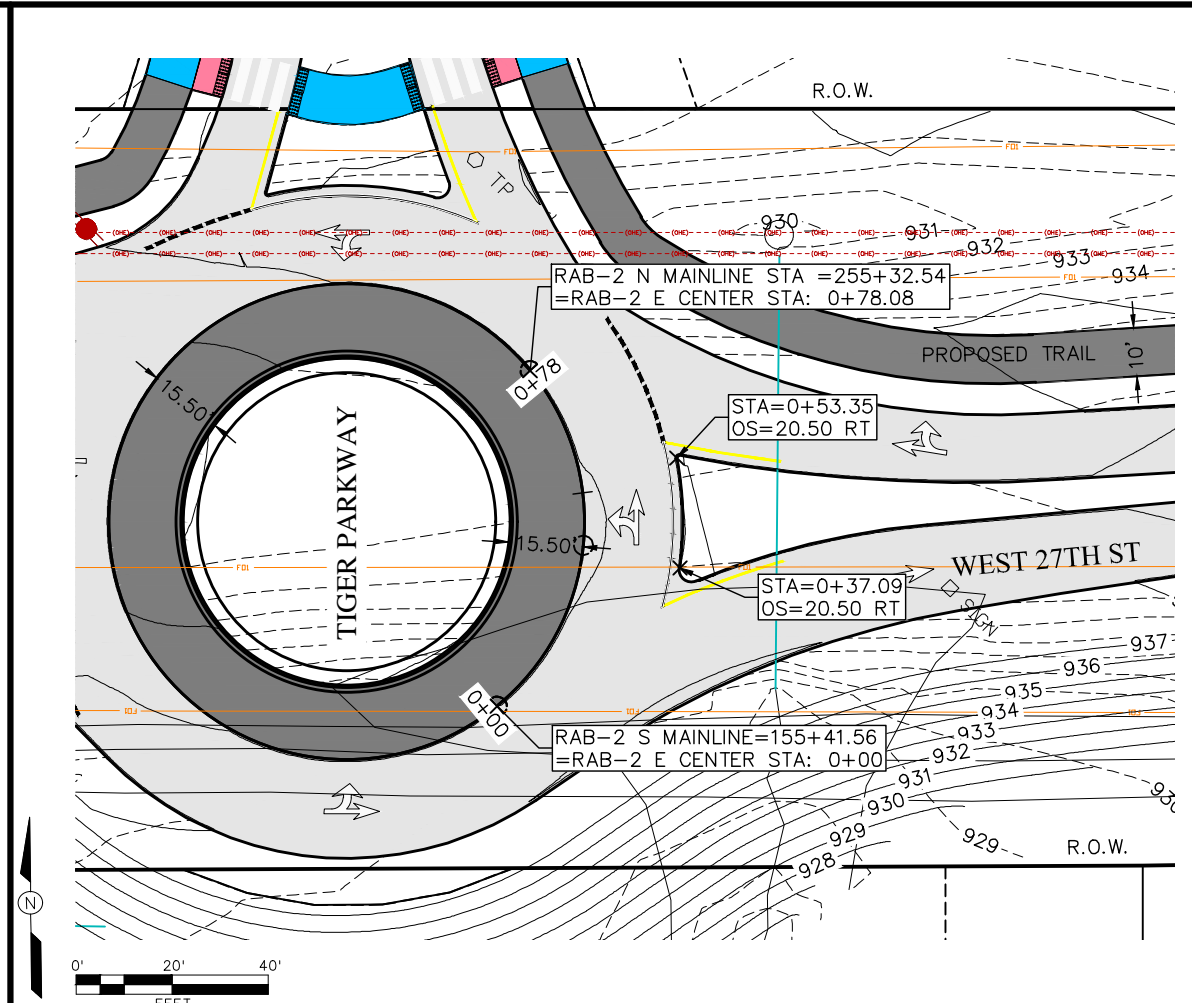
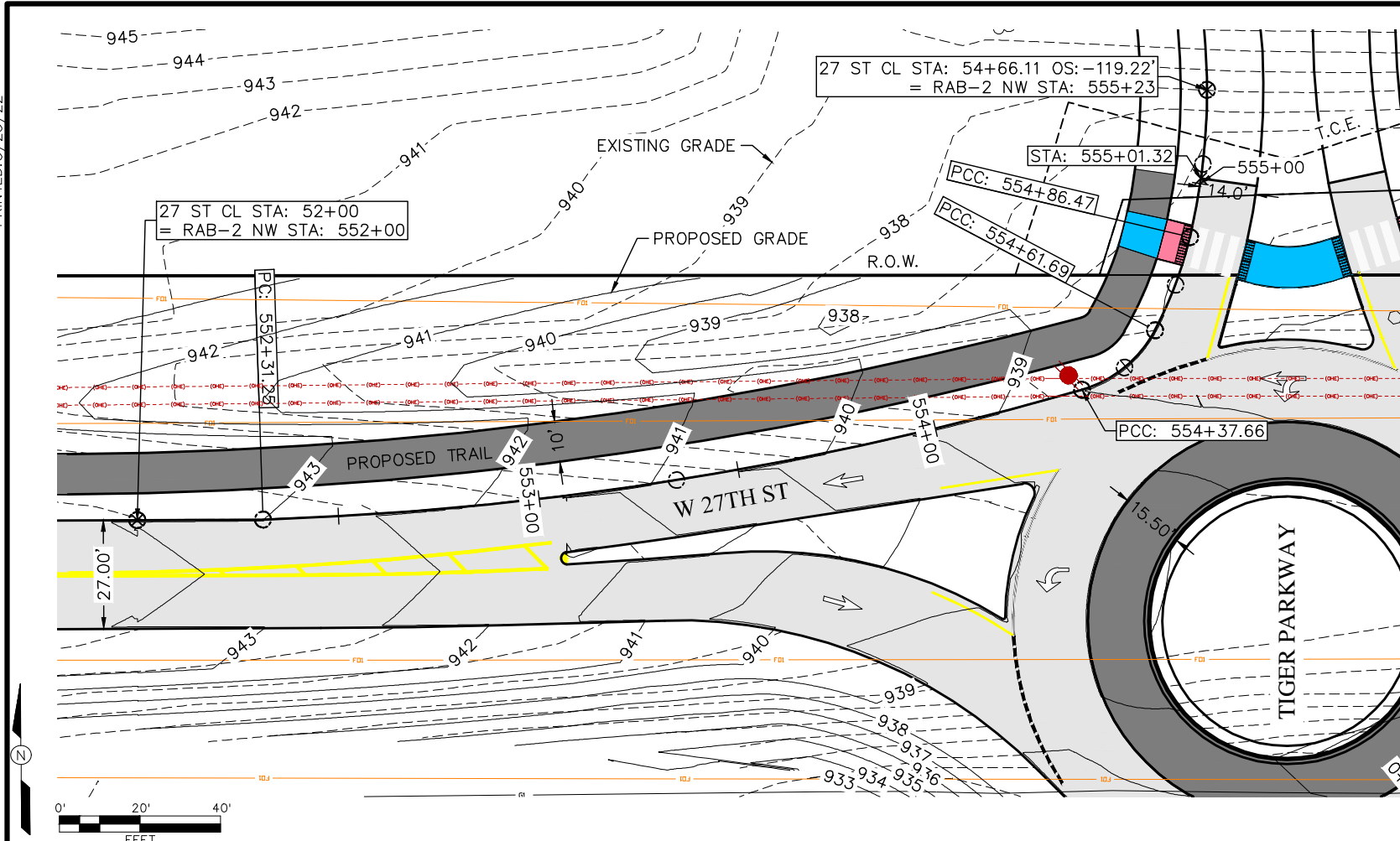
DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	170







PRINTED: 3/25/22



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DRN Westley, Casey  
DES  
CHK Sweeney, Michelle  
APP

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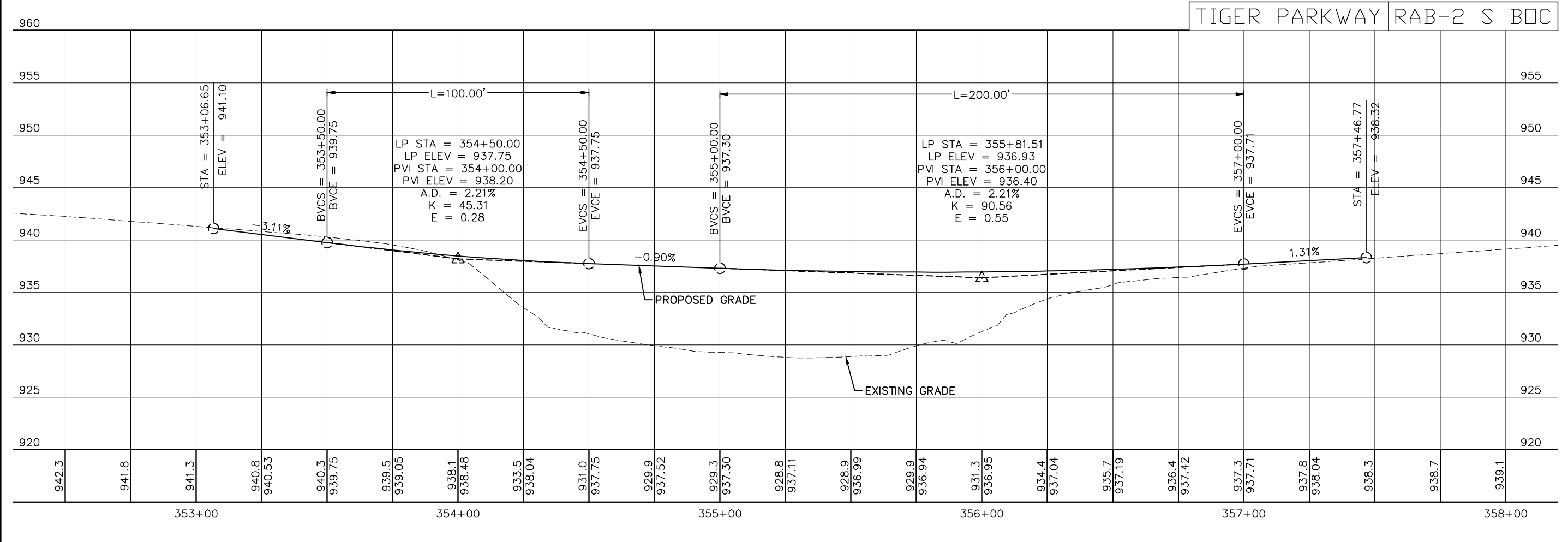
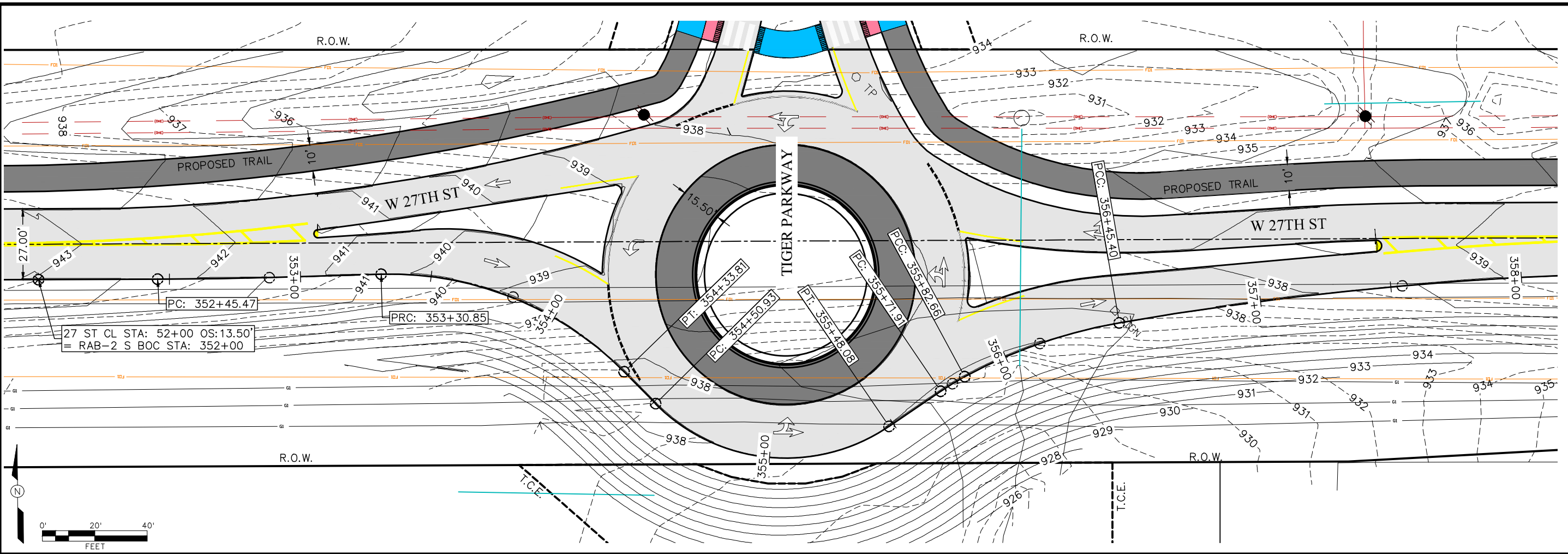
WEST 27th STREET RECON  
RC-000-3240  
TIGER PARKWAY RAB-2

DATE 7/30/2021  
PROJECT NO. 60637669  
MILESTONE CHECK PLANS  
SHEET NO. 173  
DRAWING NO. 173





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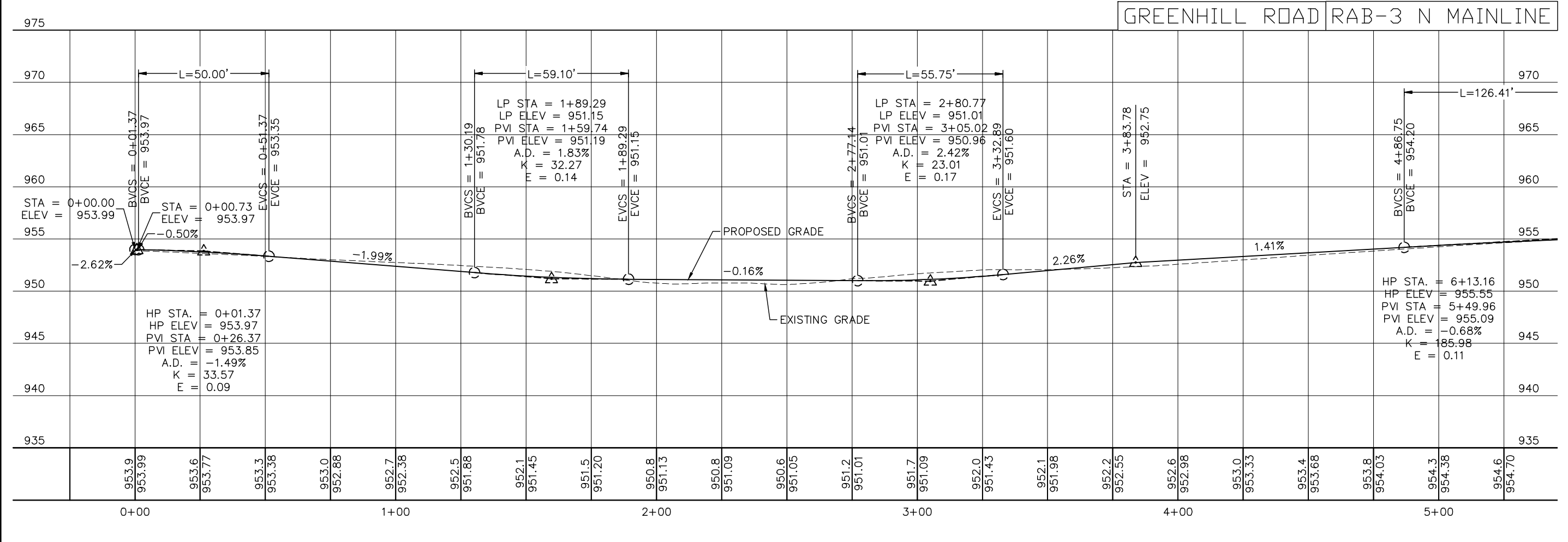
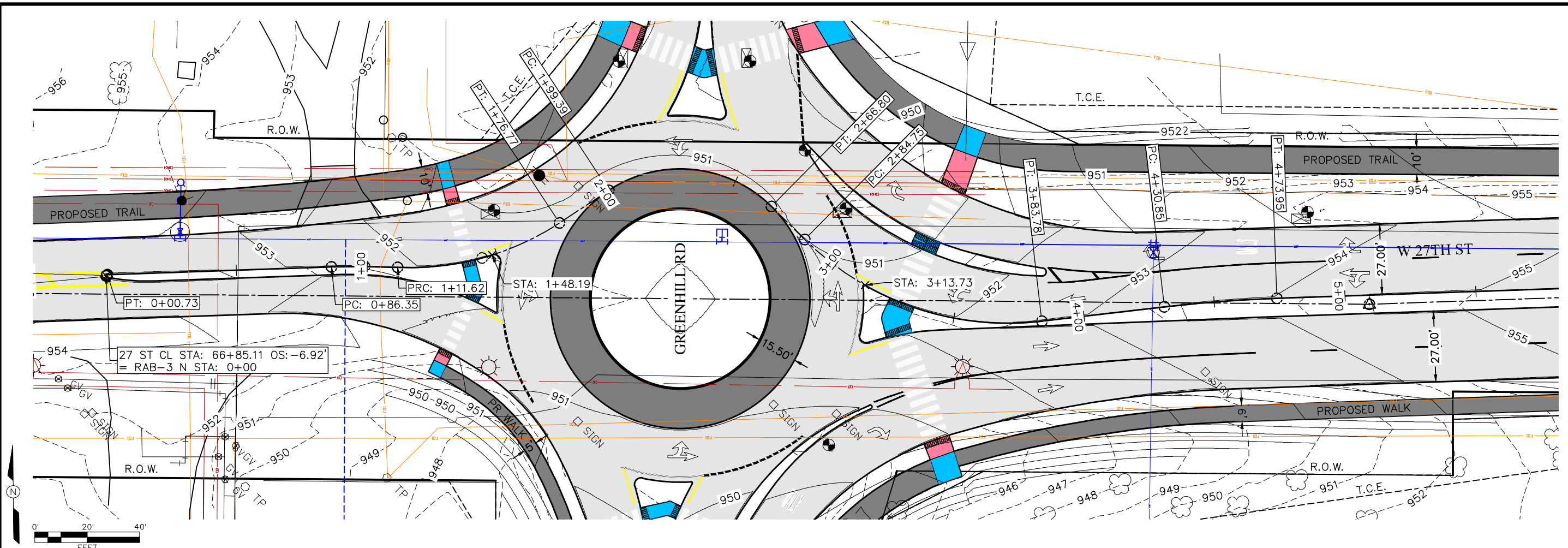
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DRN	Westley, Casey
DES	
CHK	Sweeney, Michelle
APP	
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WEST 27th STREET RECON  
RC-000-3240  
TIGER PARKWAY RAB-2

DATE	7/30/2021
PROJECT NO.	60637669
MILESTONE	CHECK PLANS
SHEET NO.	
DRAWING NO.	175

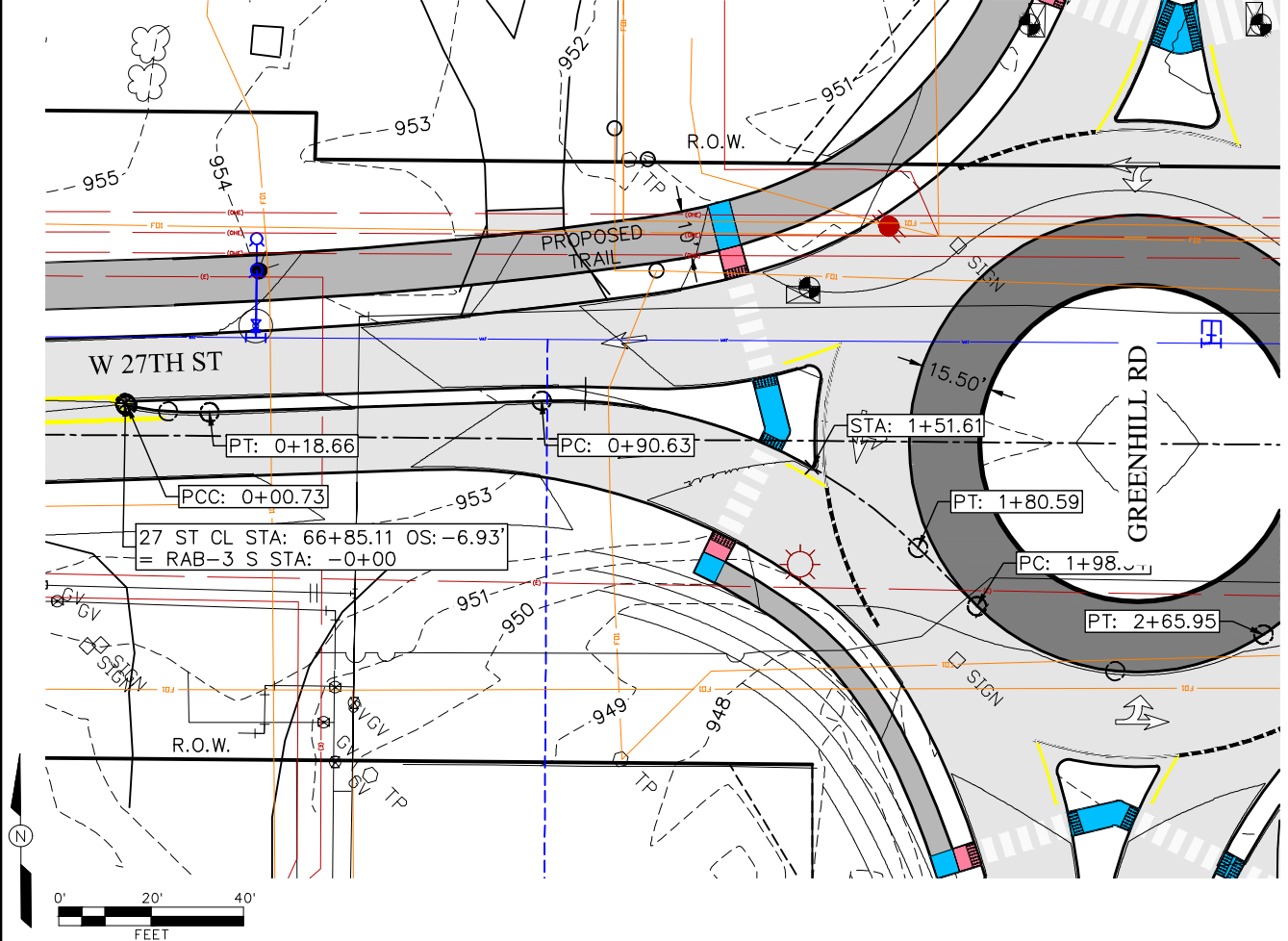
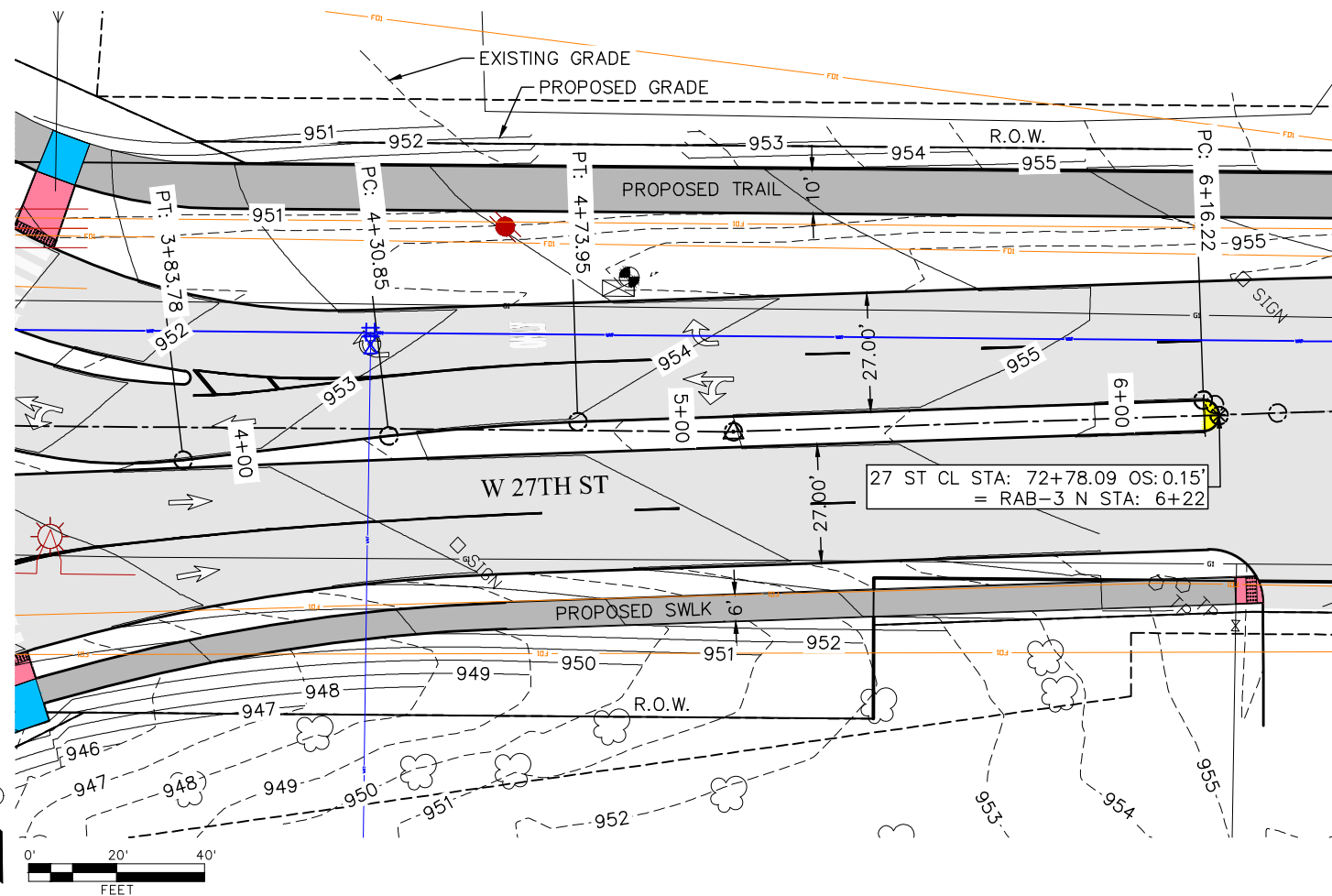


Item 17.	DATE
DRN Westley, Casey	NO
DES	REVISIONS
CHK Sweeney, Michelle	
APP	
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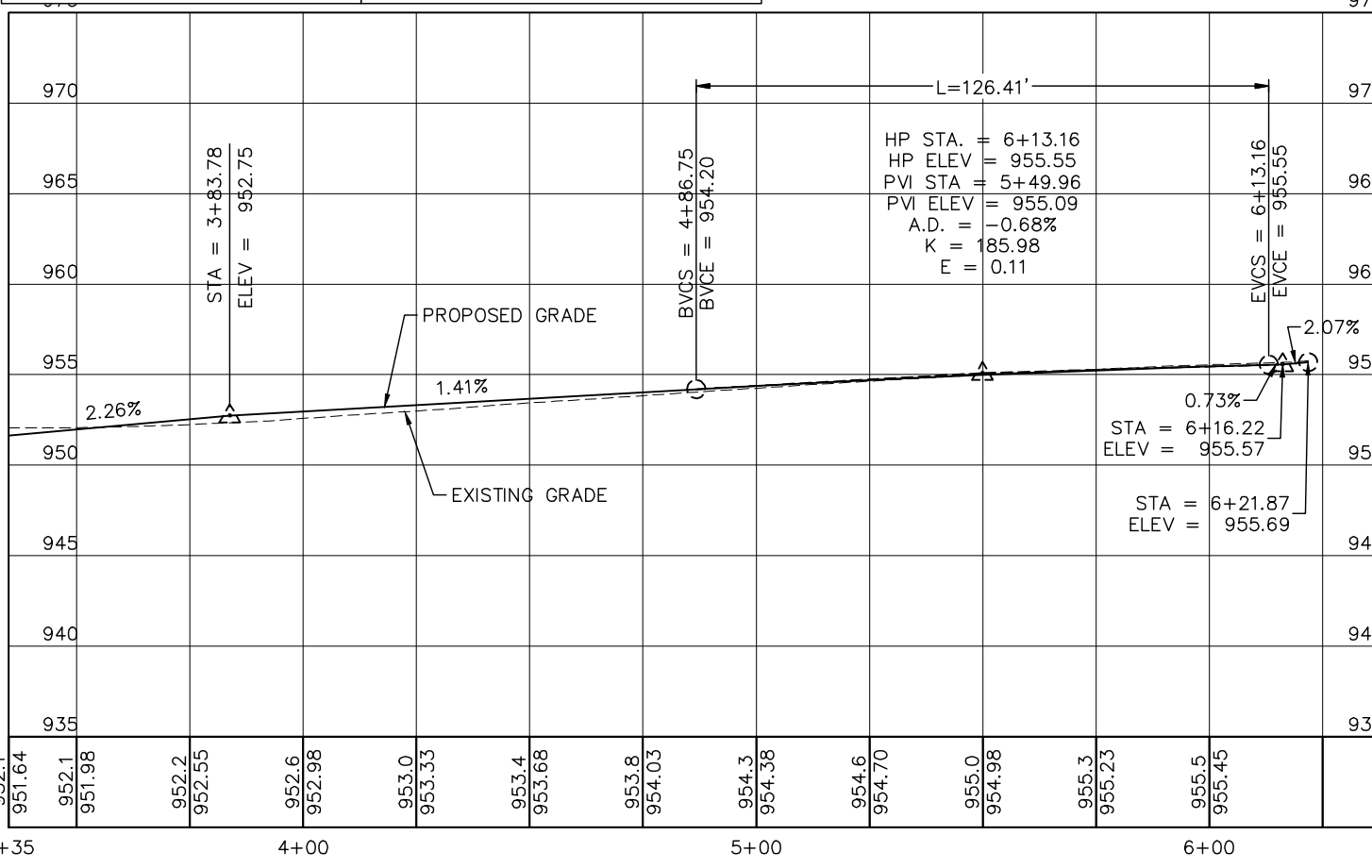


WEST 27th STREET RECON  
RC-000-3240  
GREENHILL ROAD RAB-3

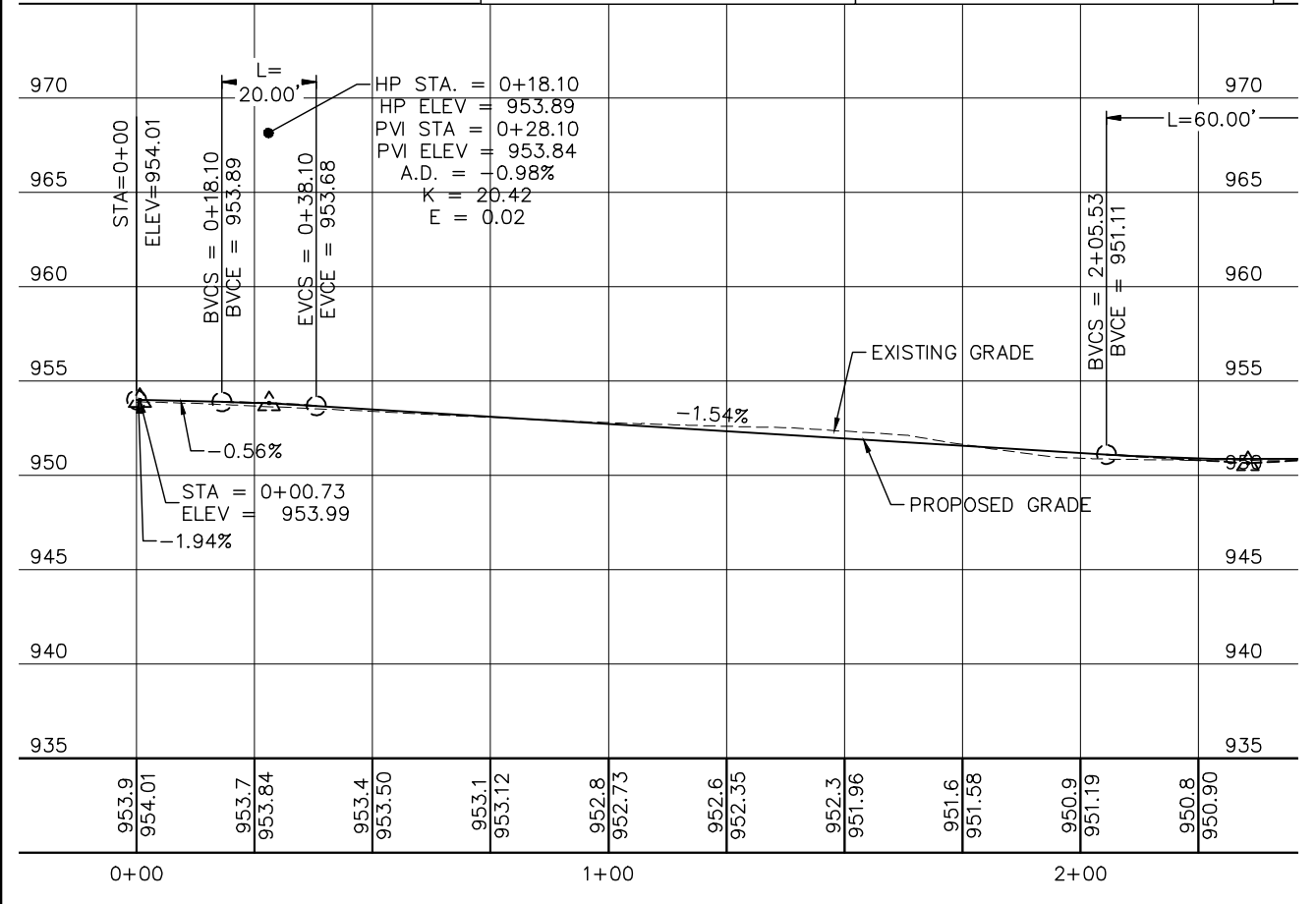
DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	176



GREENHILL ROAD RAB-3 N MAINLINE



GREENHILL ROAD RAB-3 S MAINLINE



DRN	Westley, Casey
DES	
CHK	Sweeney, Michelle
APP	

NO	REVISIONS
	DRN
	CHK
	APP
	DATE

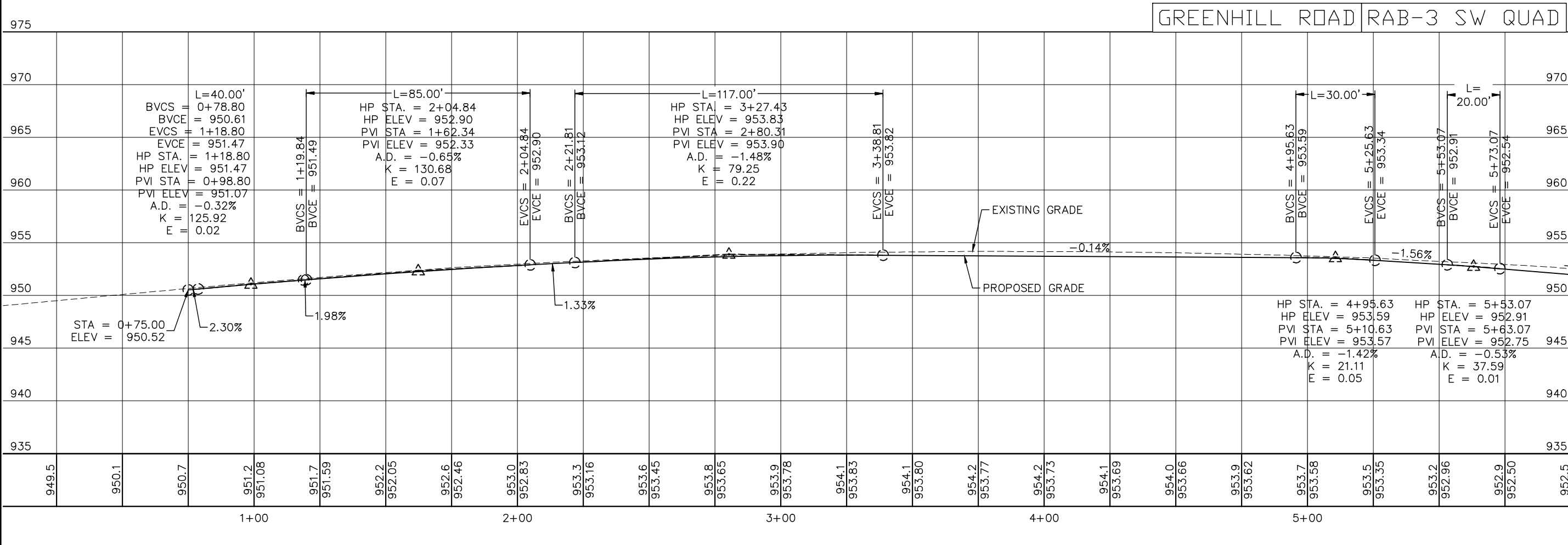
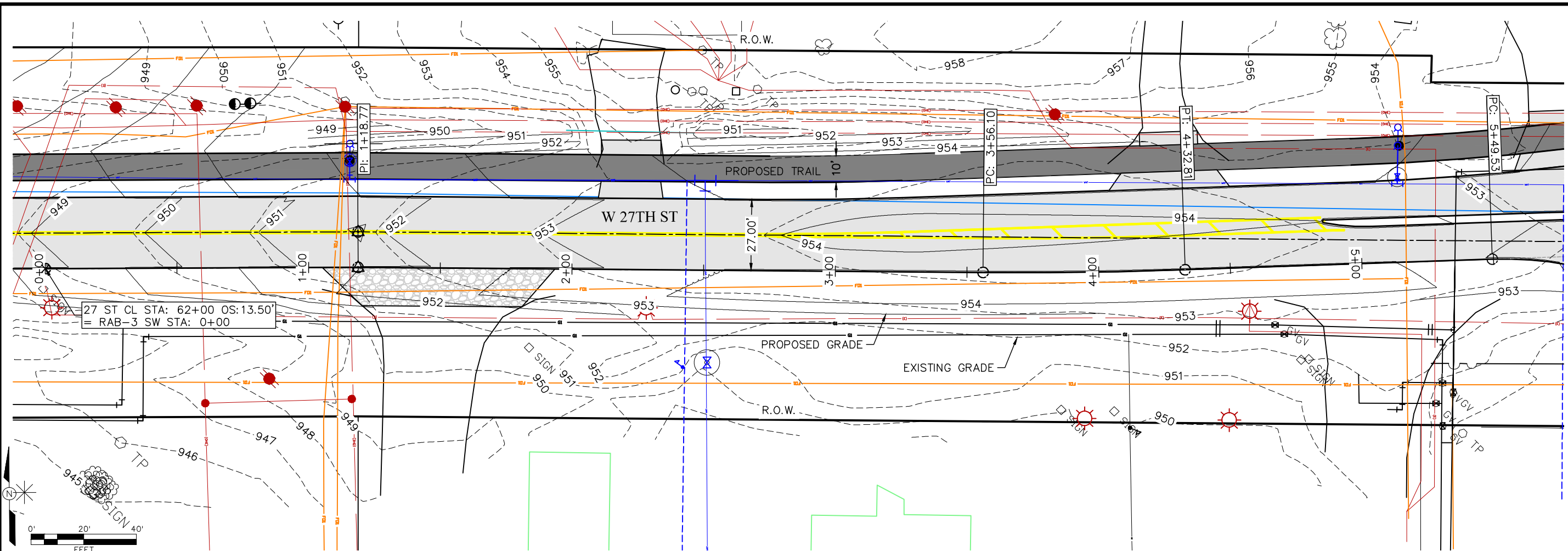


WEST 27th STREET RECON  
RC-000-3240  
GREENHILL ROAD RAB-3

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	177



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DRN Westley, Casey	DRN CHK
DES	NO
CHK Sweeney, Michelle	REVISIONS
APP	
RECOM	Copyright © AECOM All Rights Reserved

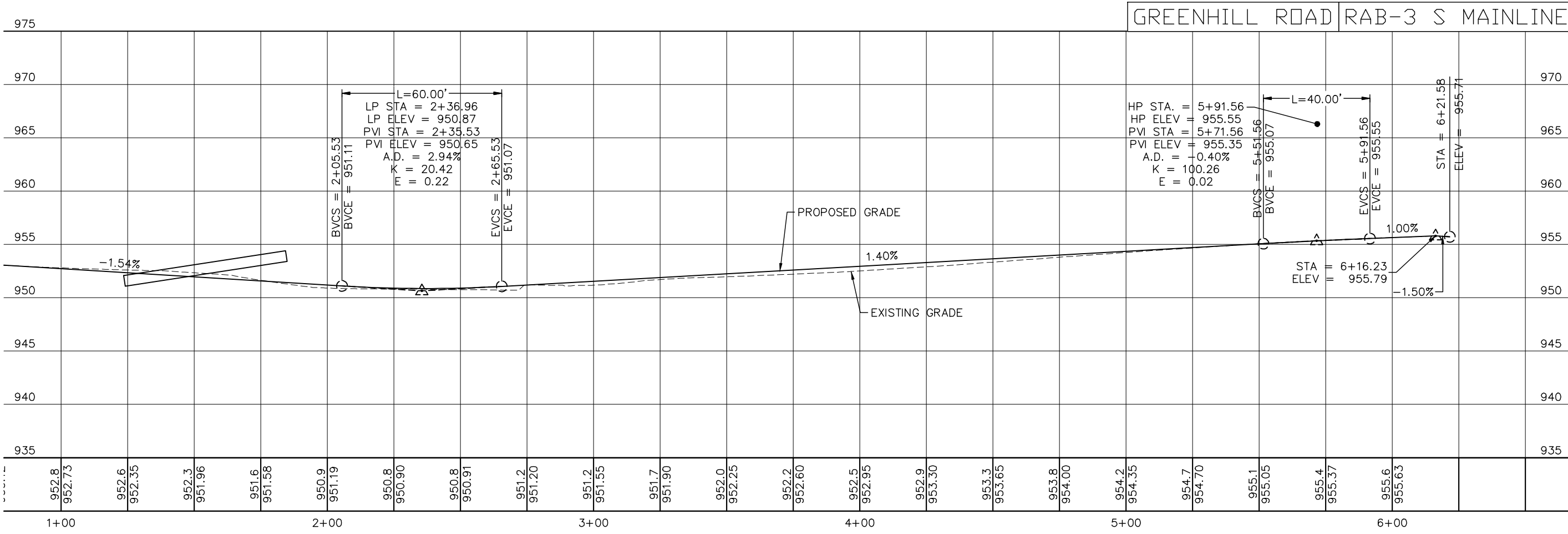
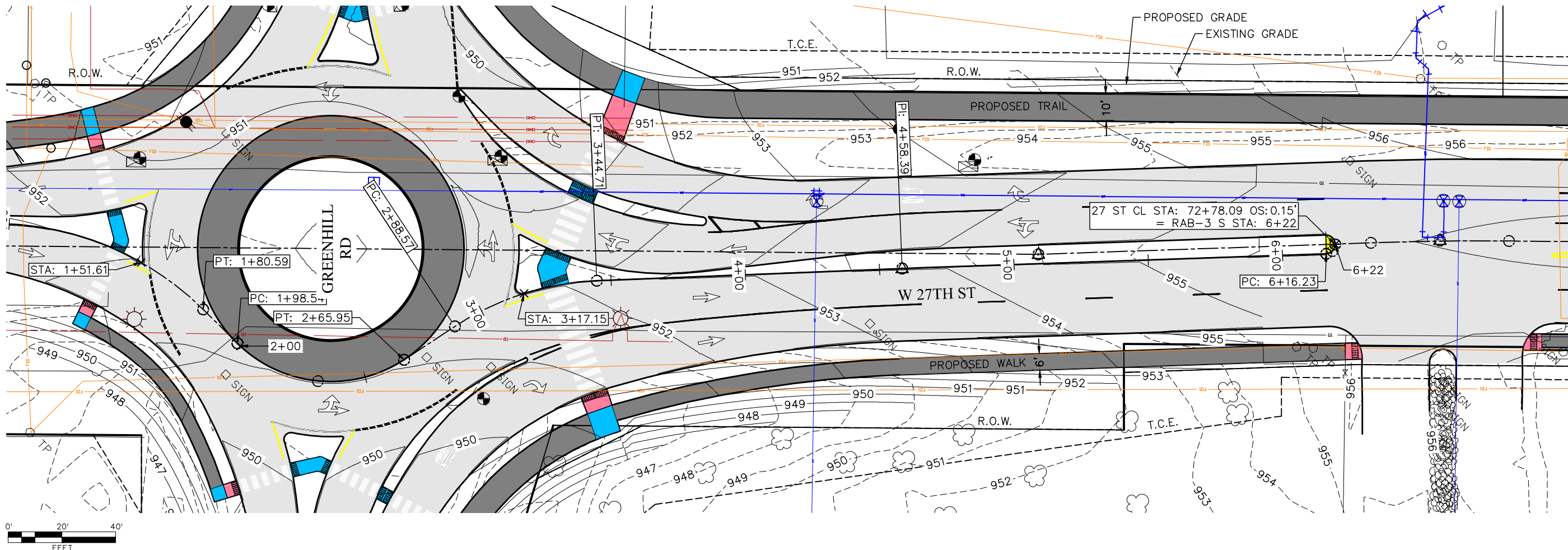


GREENHILL ROAD RAB-3 SW QUAD

WEST 27th STREET RECON  
RC-000-3240  
GREENHILL ROAD RAB-3

DATE	7/30/2021
PROJECT NO.	60637669
MILESTONE	CHECK PLANS
SHEET NO.	
DRAWING NO.	178

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DES	
CHK	Sweeney, Michelle
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NO	
DRN	CHK

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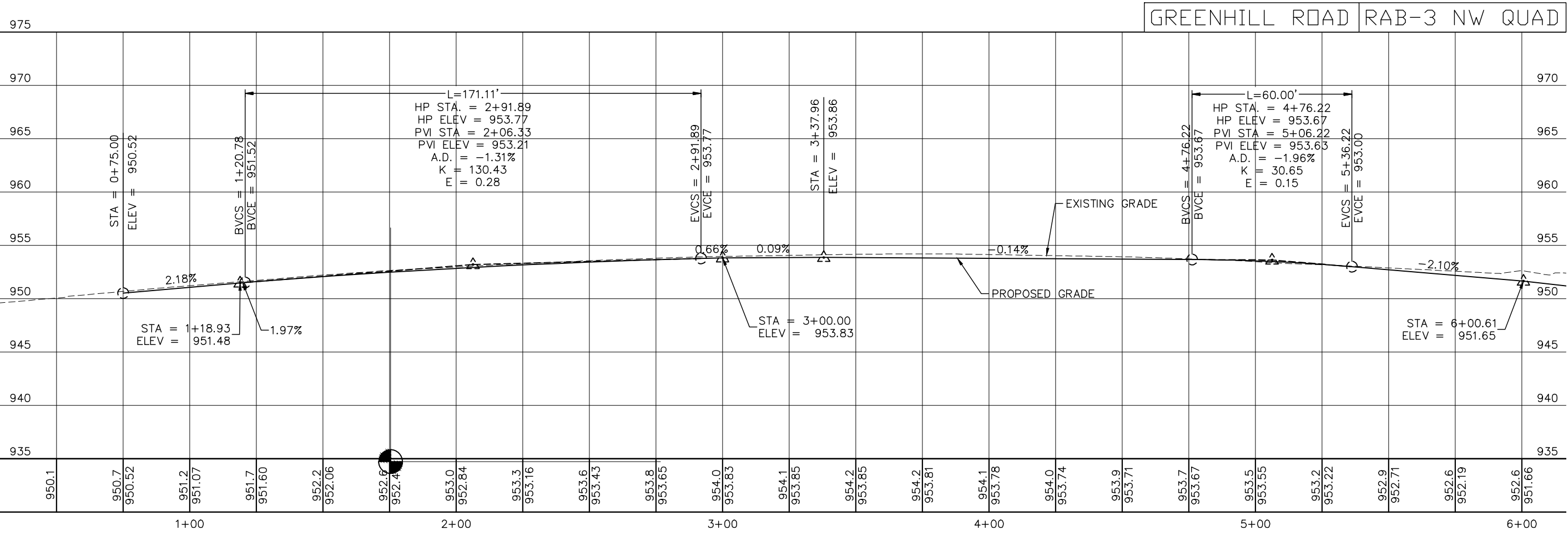
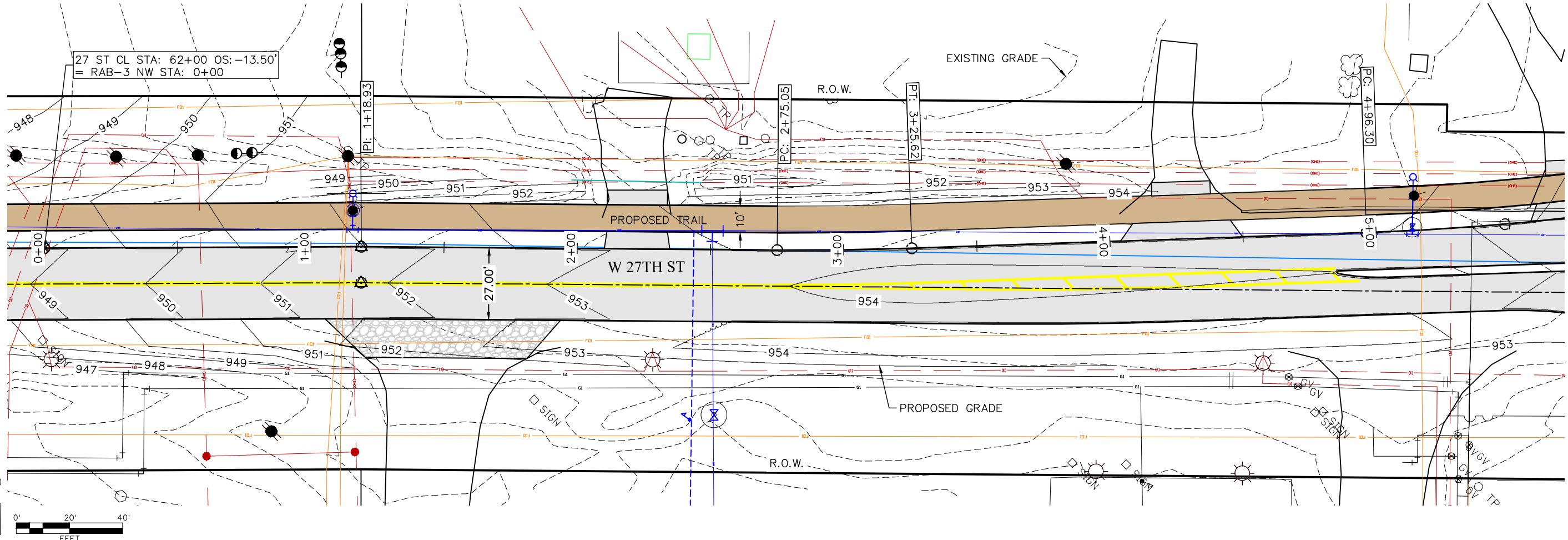
WEST 27th STREET RECON  
RC-000-3240  
GREENHILL ROAD RAB-3

DATE	7/30/2021
PROJECT NO.	60637669
MILESTONE	CHECK PLANS
SHEET NO.	
DRAWING NO.	179





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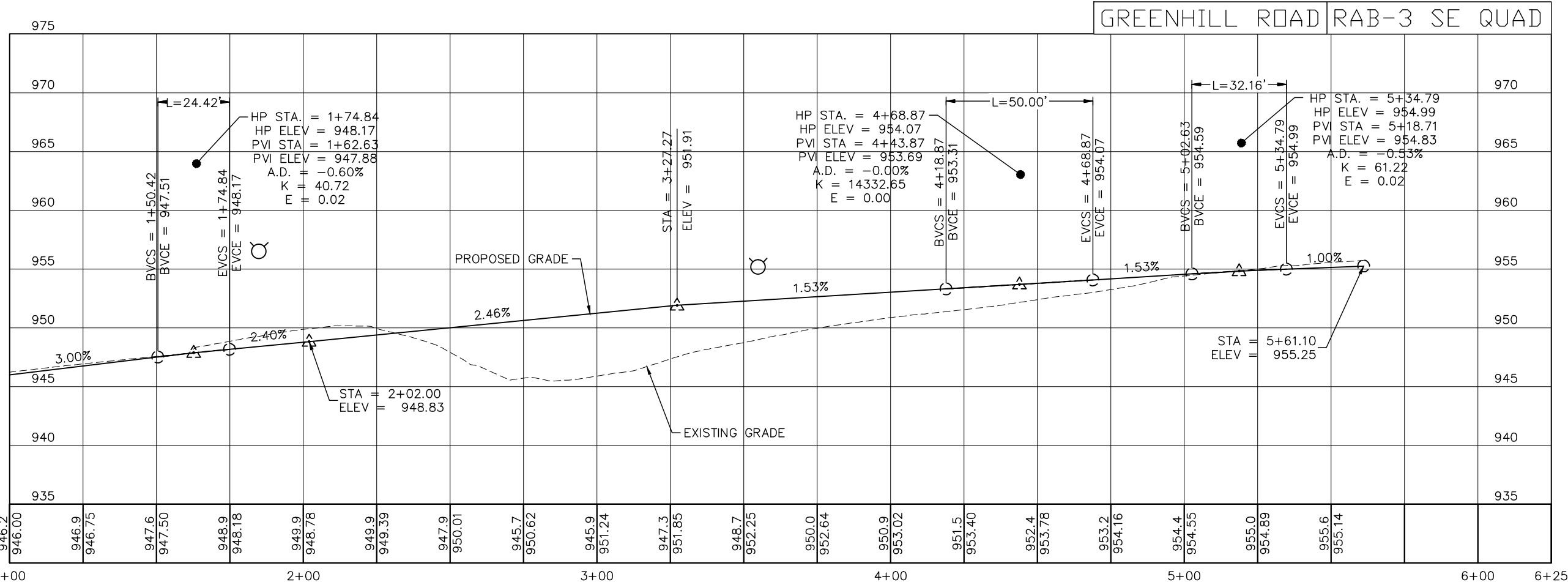
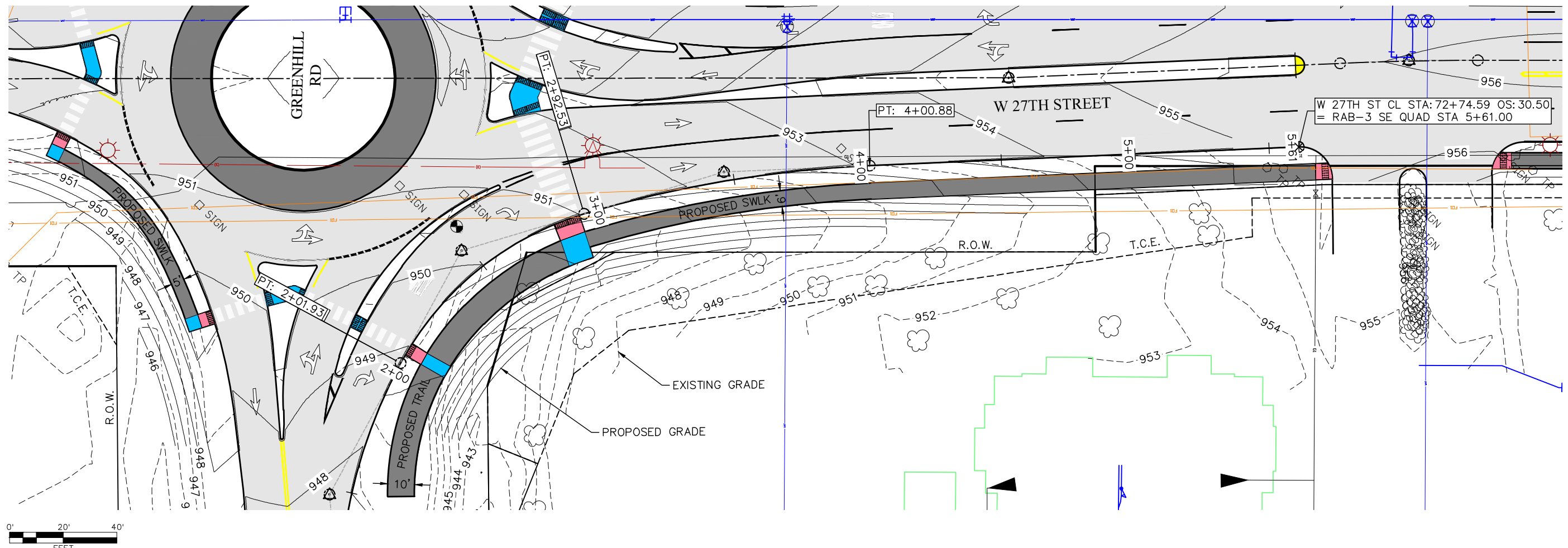
DRN	Westley, Casey
DES	
CHK	Sweeney, Michelle
APP	
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WEST 27th STREET RECON  
RC-000-3240  
GREENHILL ROAD RAB-3

DATE	7/30/2021
PROJECT NO.	60637669
MILESTONE	CHECK PLANS
SHEET NO.	
DRAWING NO.	181





DRN	Westley, Kasey
DES	
CHK	Sweeney, Michelle
APP	
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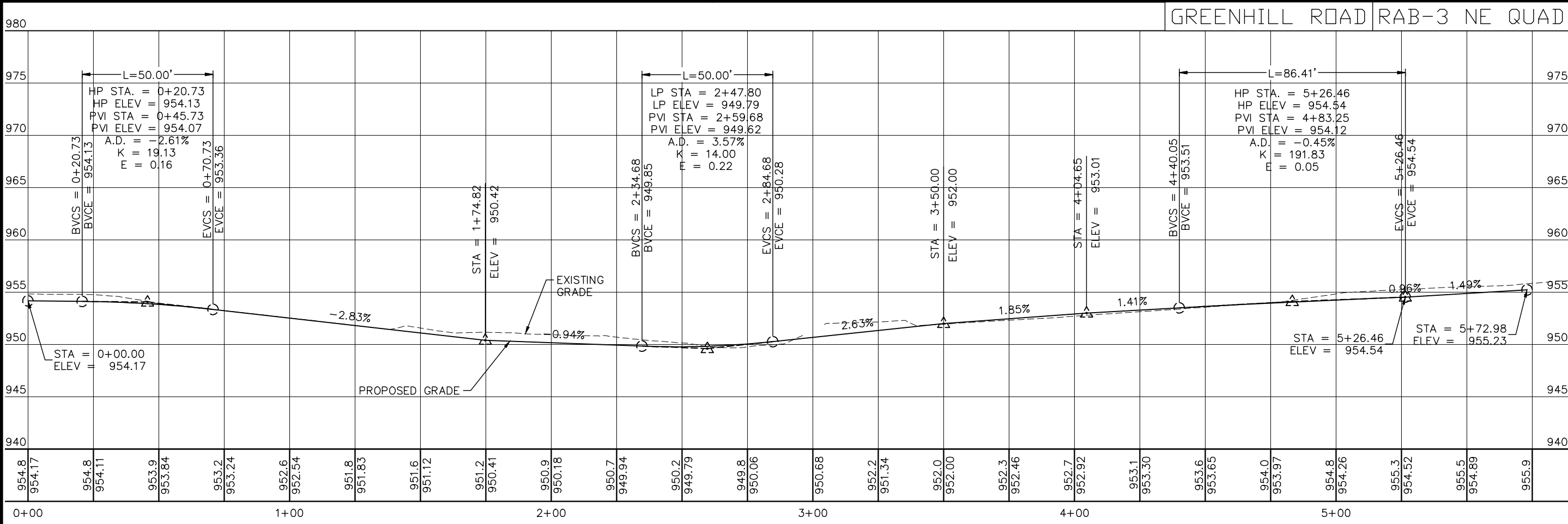
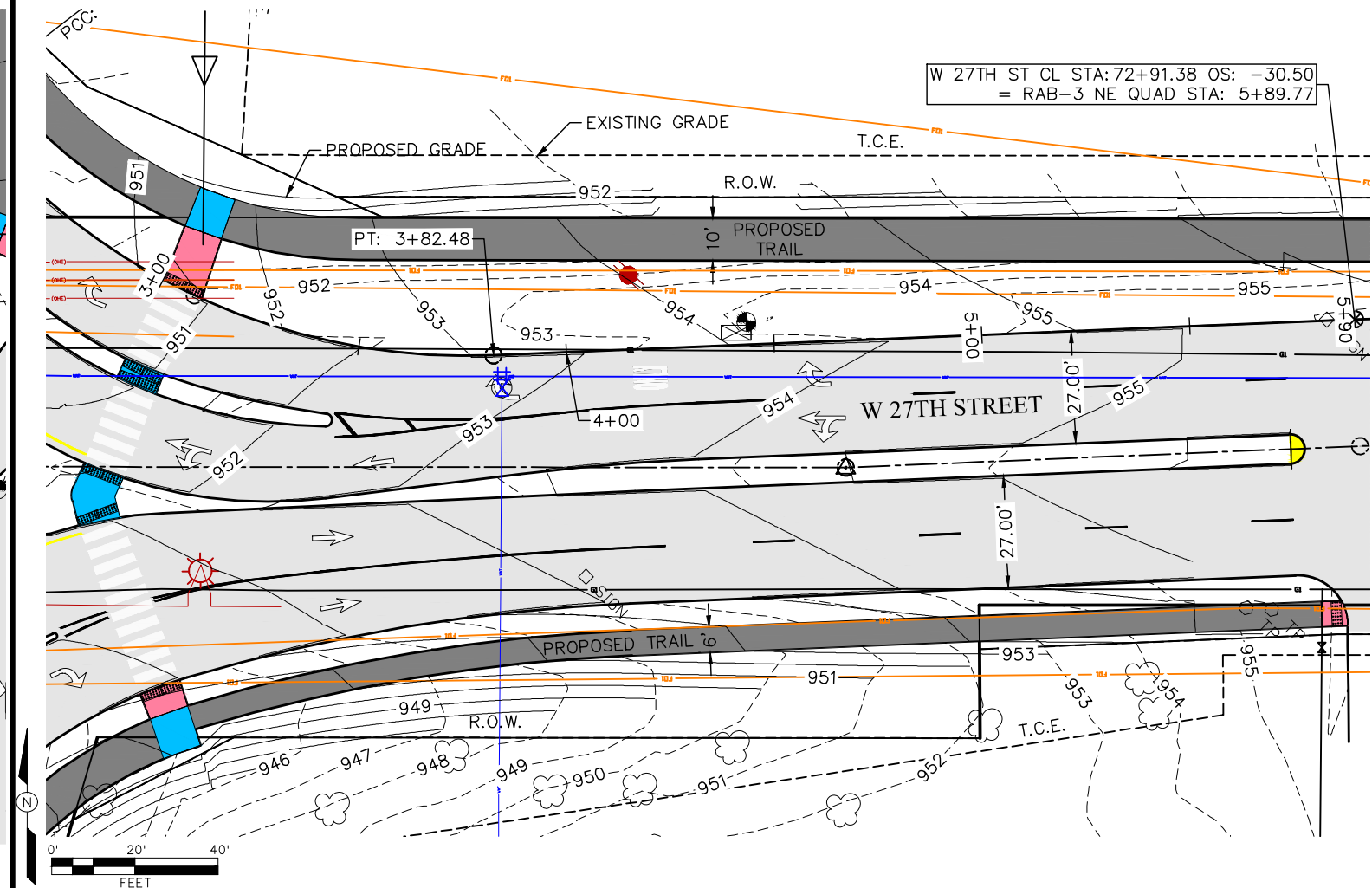
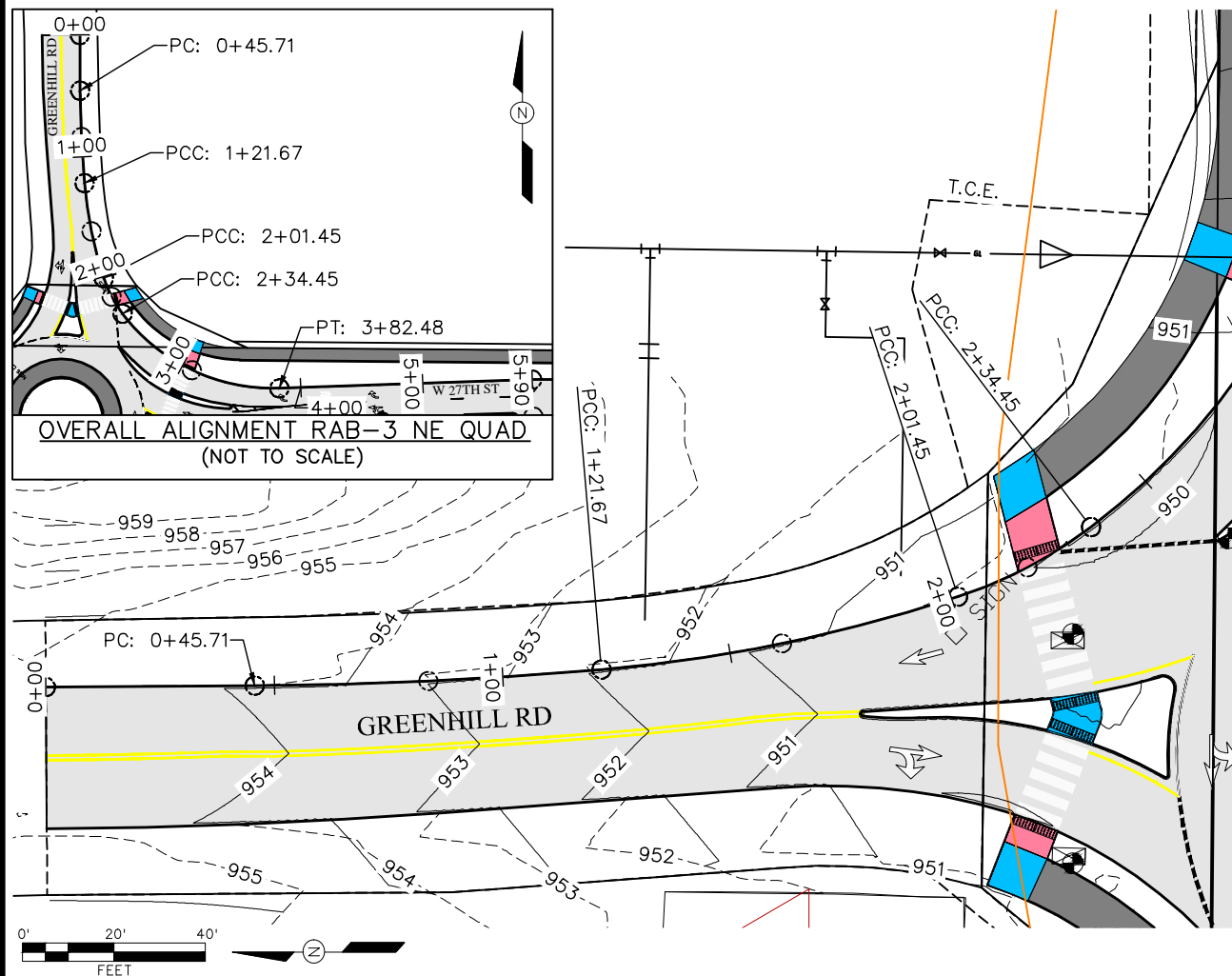


WEST 27th STREET RECON  
RC-000-3240  
GREENHILL ROAD RAB-3

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	183
DRAWING NO.	183



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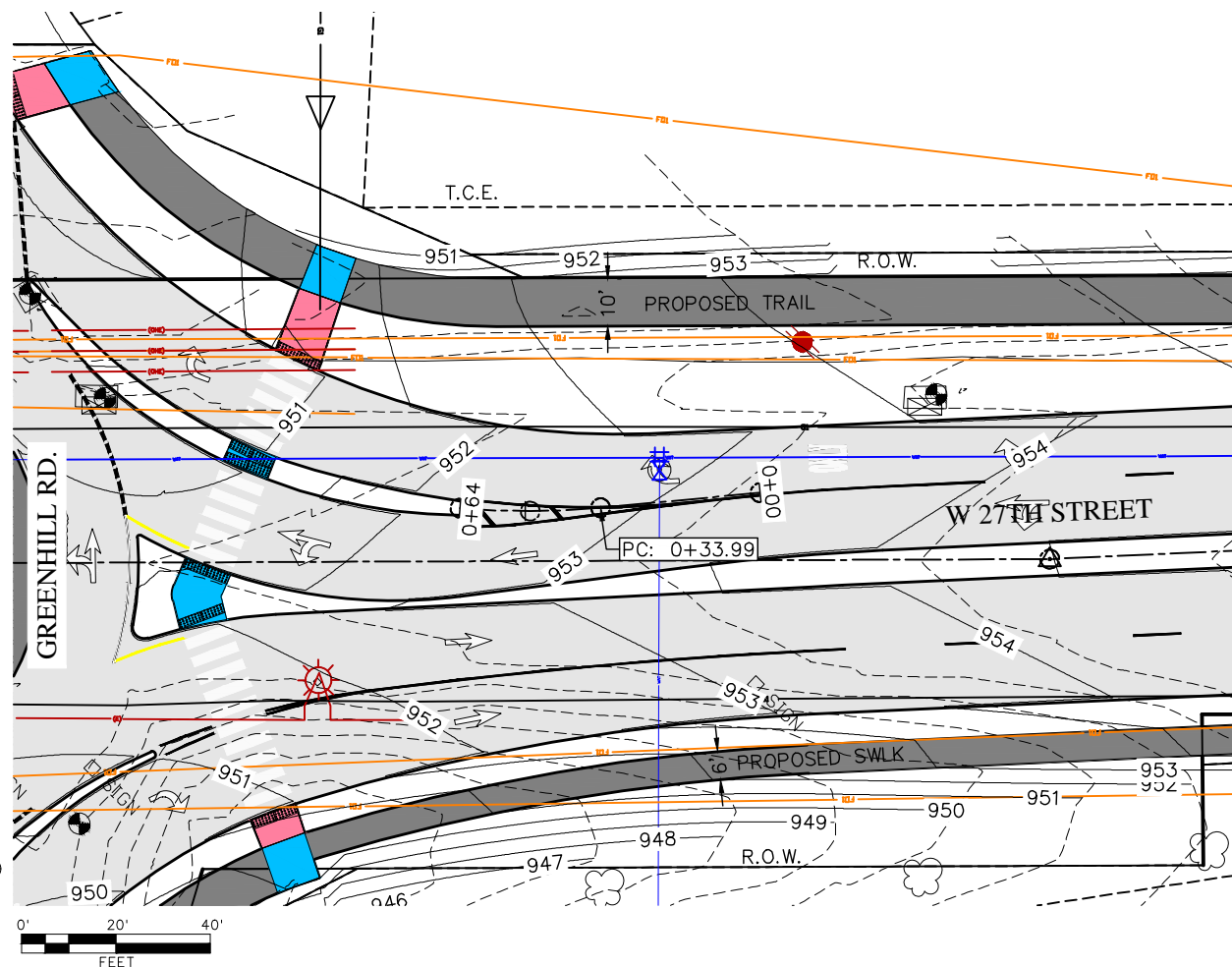
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Item 17.	DWT
DRN	Westley, Kasey
DES	
CHK	Sweeney, Michelle
APP	
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REVISIONS	
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WEST 27th STREET RECON  
 RC-000-3240  
 GREENHILL ROAD RAB-3

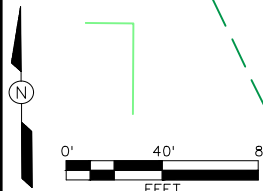
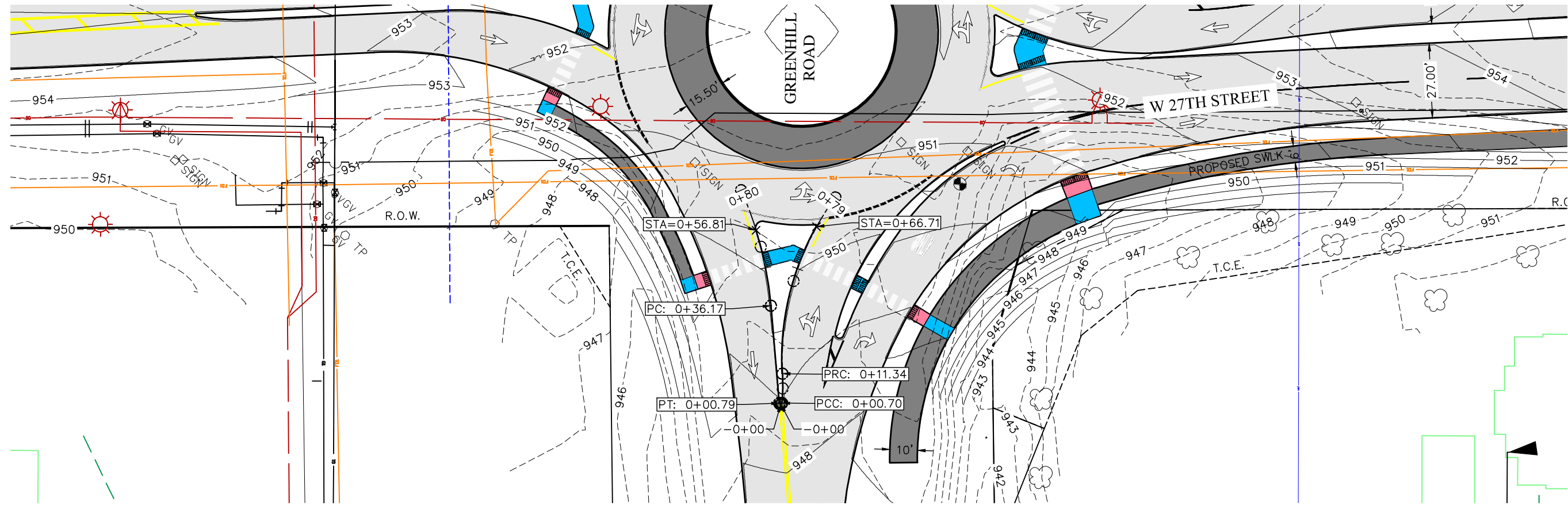
DATE: 7/30/2021  
 PROJECT NO.: 60637669  
 MILESTONE: CHECK PLANS  
 SHEET NO.: 184  
 DRAWING NO.: 184



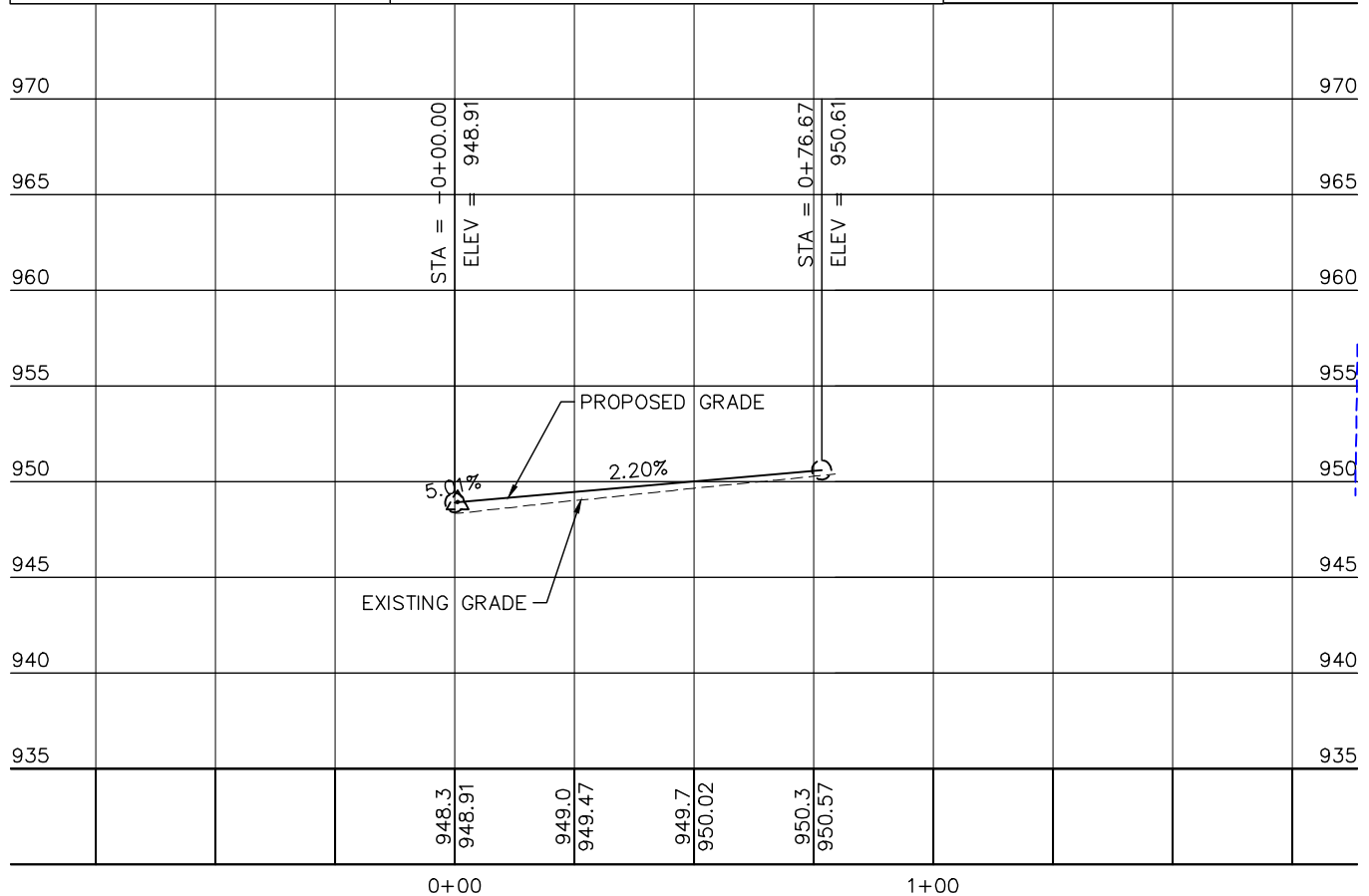




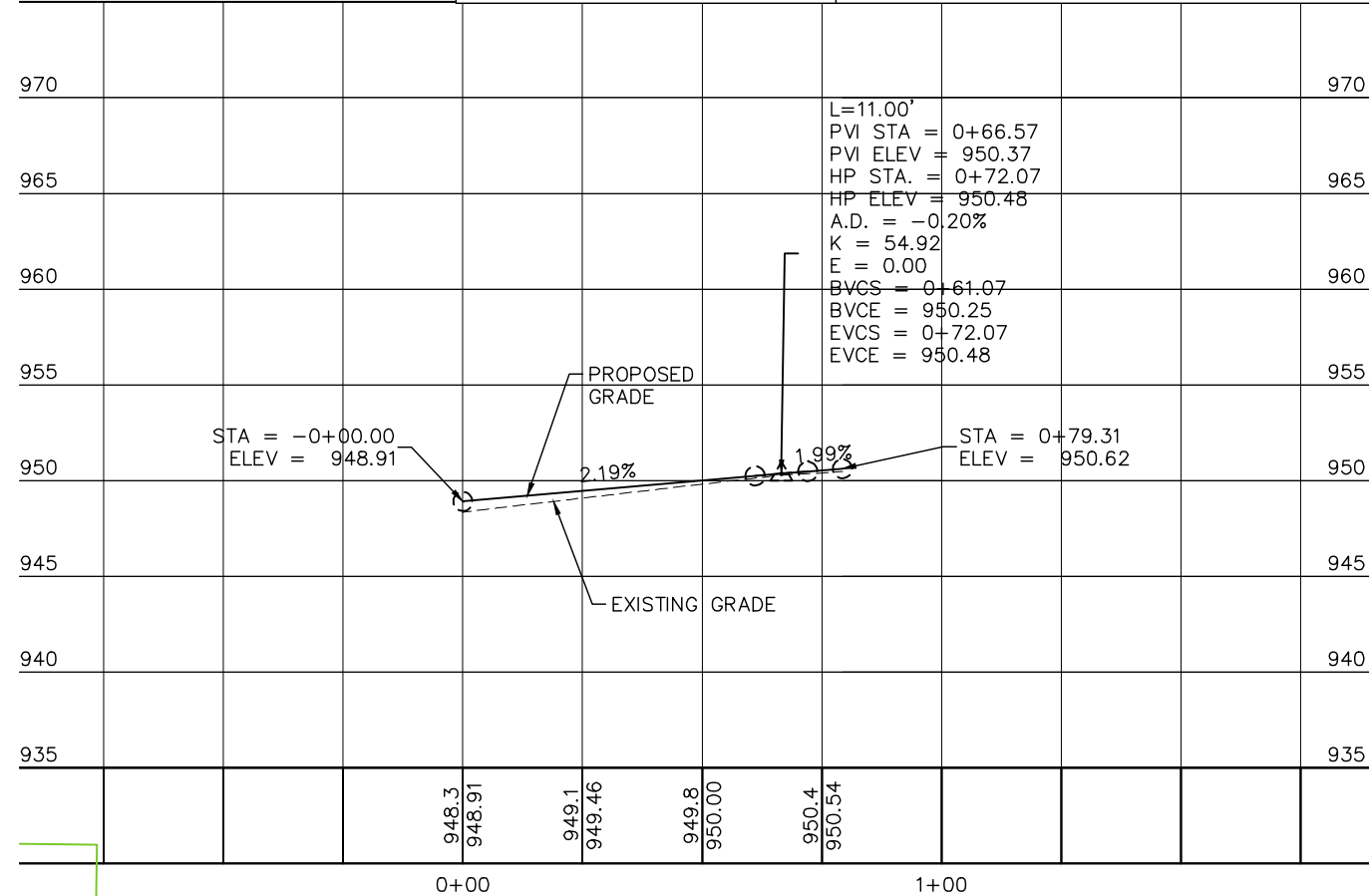




GREENHILL ROAD RAB-3 S ISLAND W BOC 975



GREENHILL ROAD RAB-3 S ISLAND E BOC 975



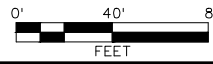
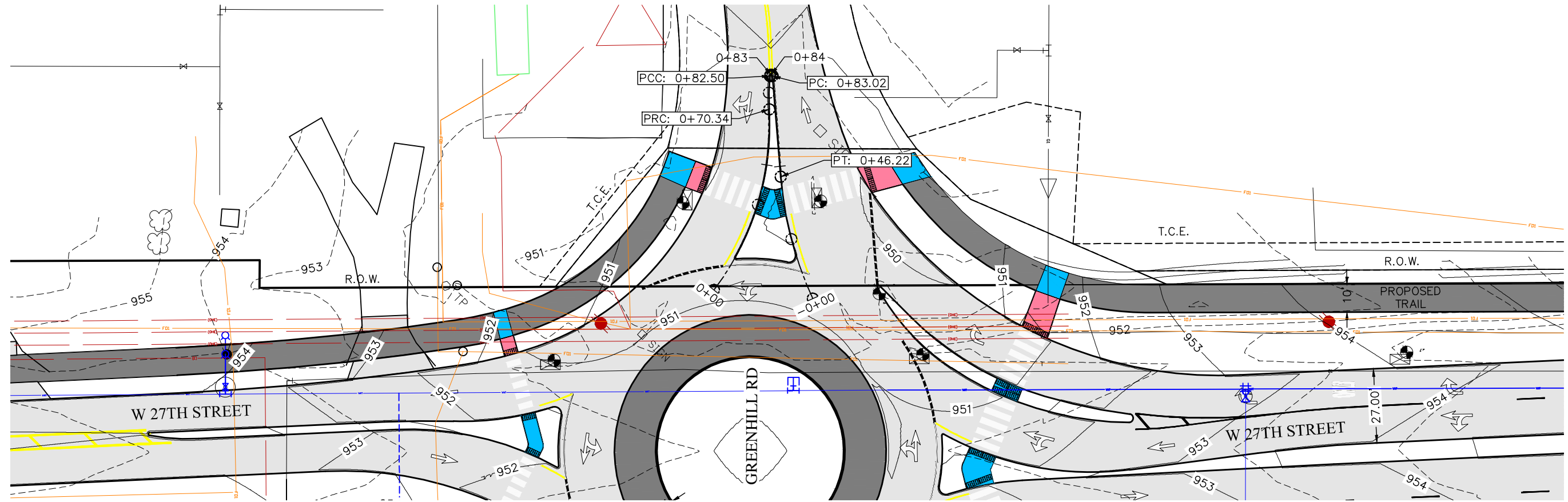
DRN	Westley, Kasey
DES	
CHK	Sweeney, Michelle
APP	
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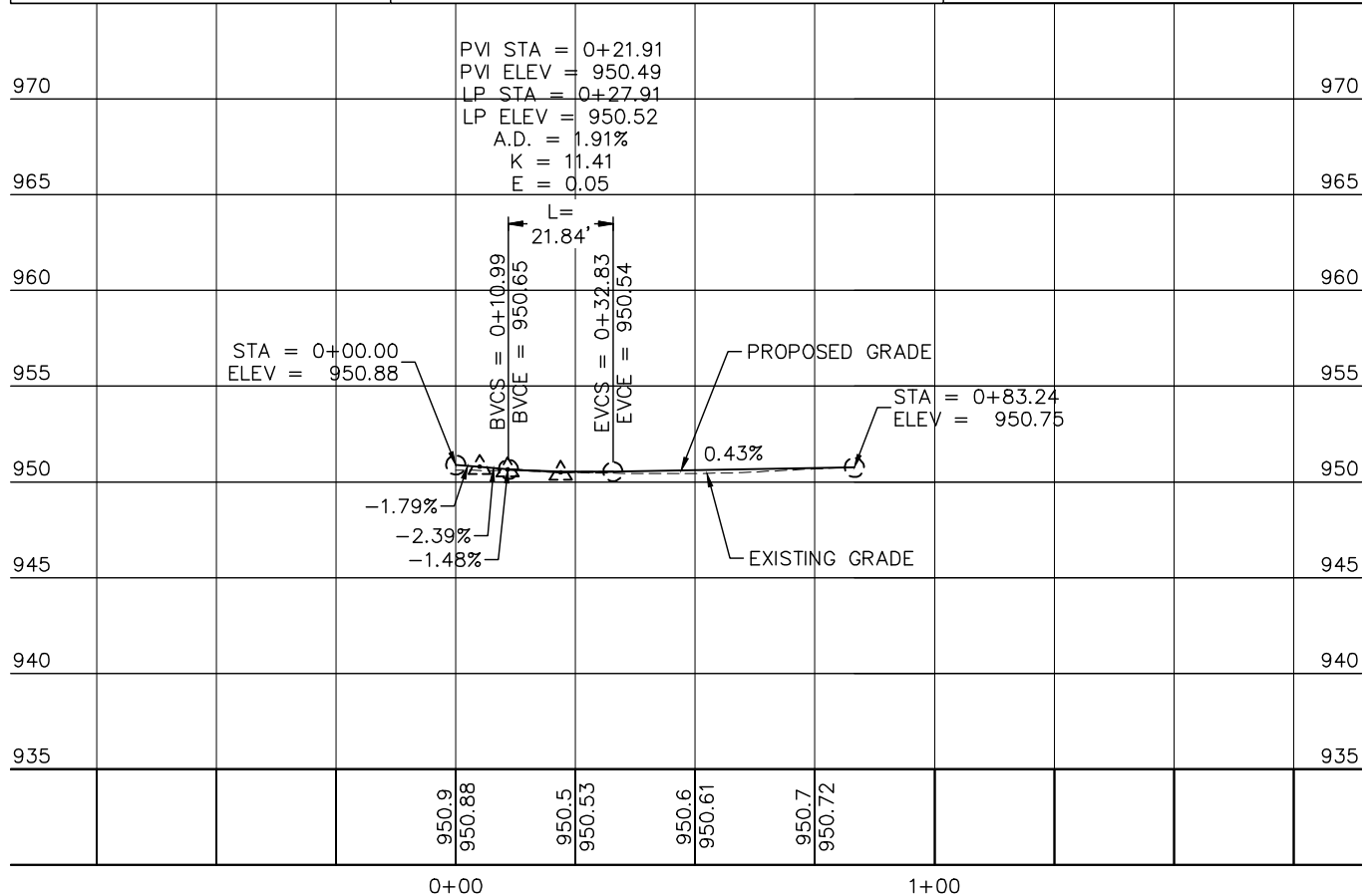
WEST 27th STREET RECON  
RC-000-3240  
GREENHILL ROAD RAB-3

DATE	7/30/2021
PROJECT NO.	60637669
MILESTONE	CHECK PLANS
SHEET NO.	188
DRAWING NO.	188

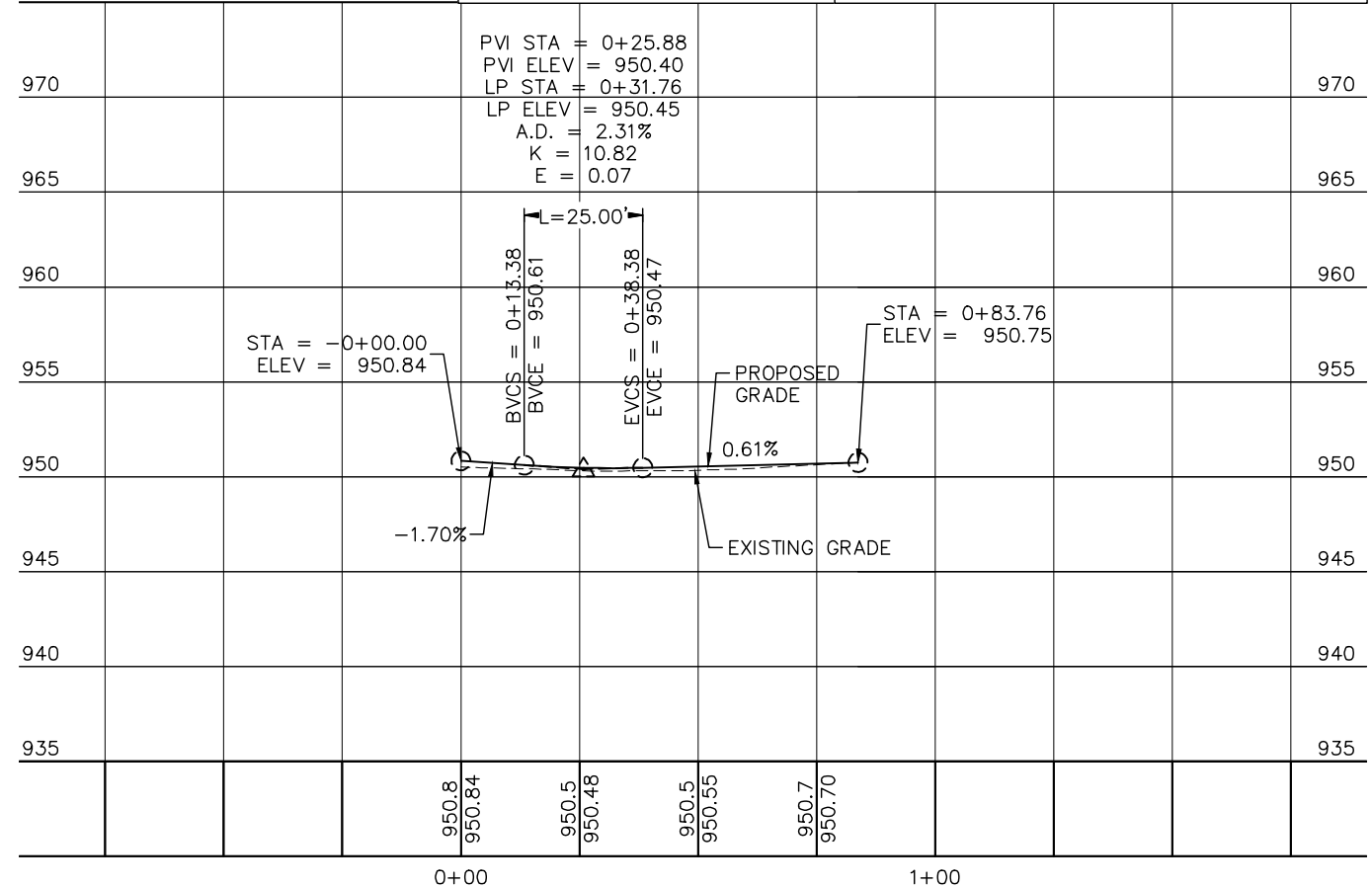




GREENHILL ROAD RAB-3 S ISLAND W BOC 975



GREENHILL ROAD RAB-3 S ISLAND E BOC 975

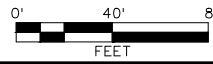
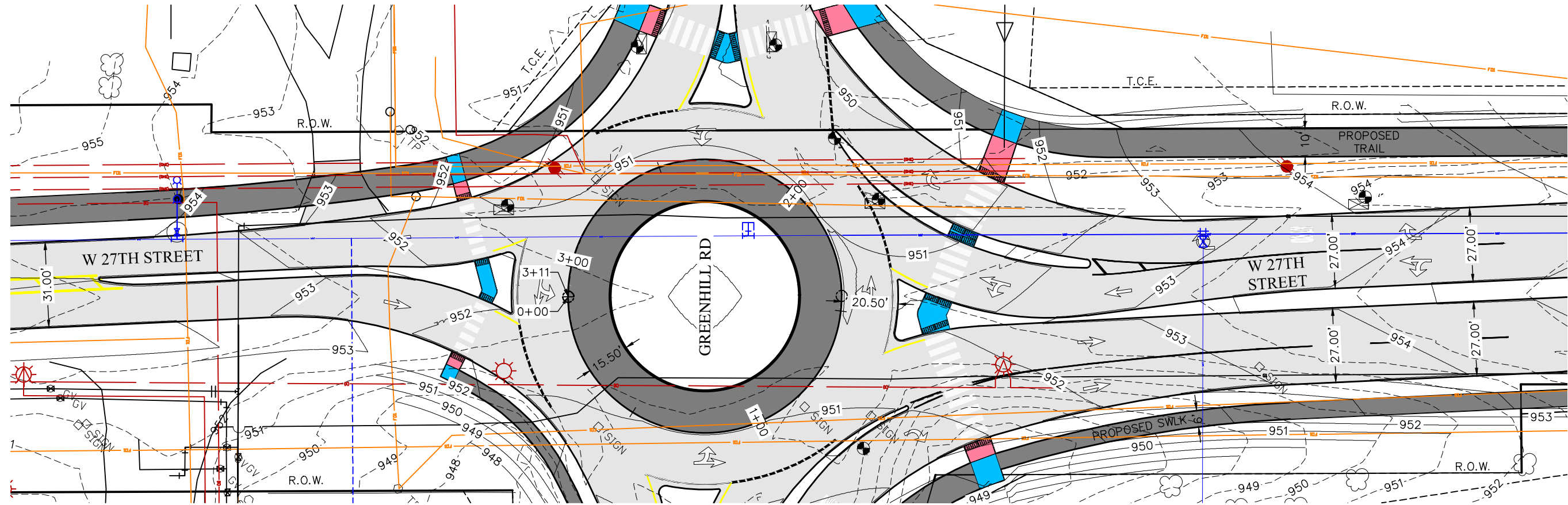


DRN	Westley, Casey
DES	
CHK	Sweeney, Michelle
APP	
REVISIONS	
NO	
DRN	CHK

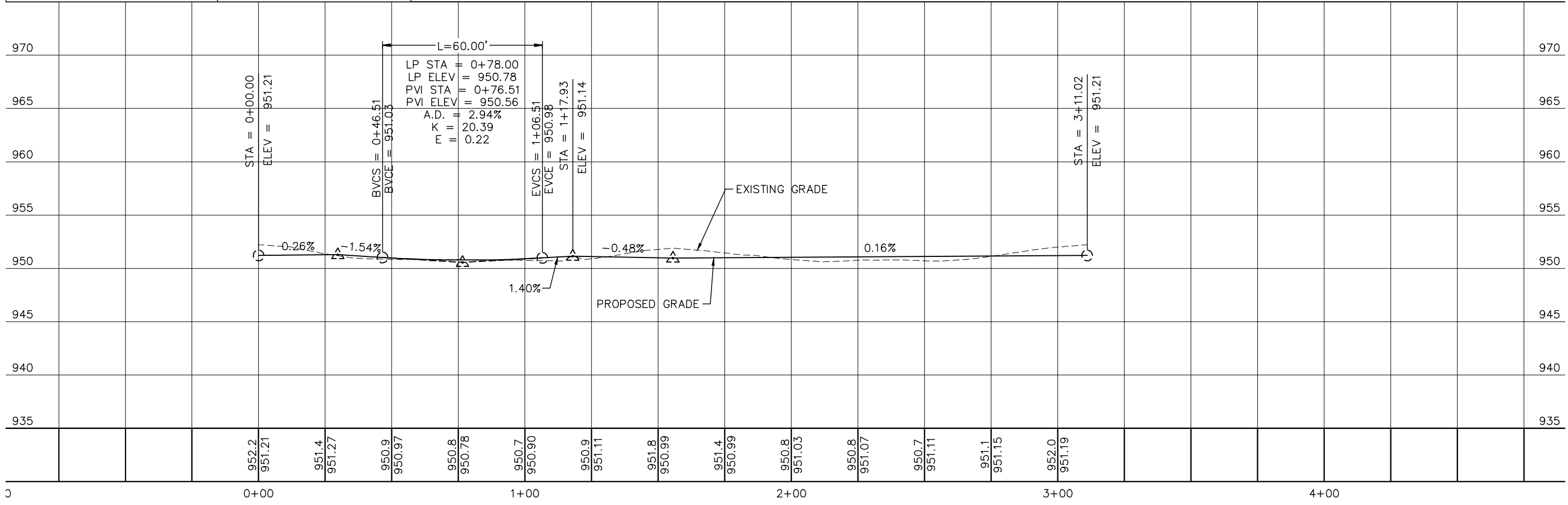


WEST 27th STREET RECON  
RC-000-3240  
GREENHILL ROAD RAB-3

DATE	7/30/2021
PROJECT NO.	60637669
MILESTONE	CHECK PLANS
SHEET NO.	189
DRAWING NO.	



GREENHILL ROAD RAB-3 CENTER



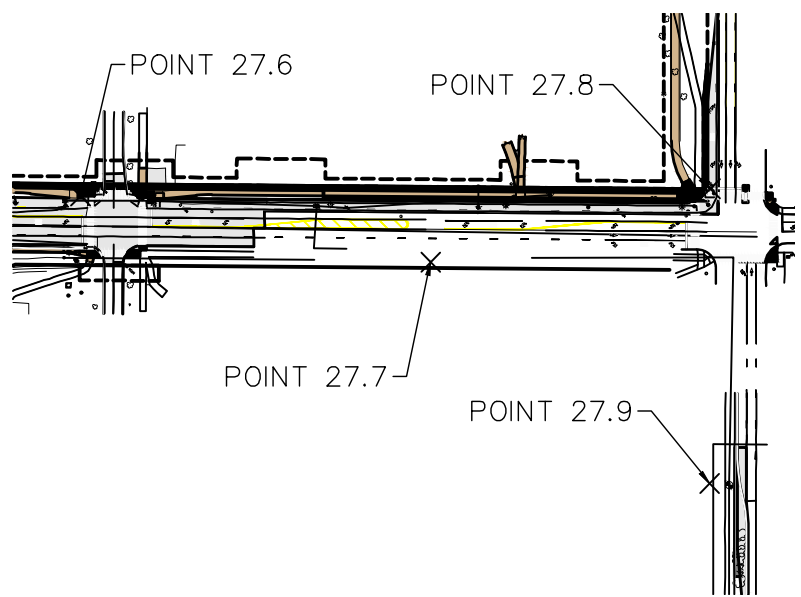
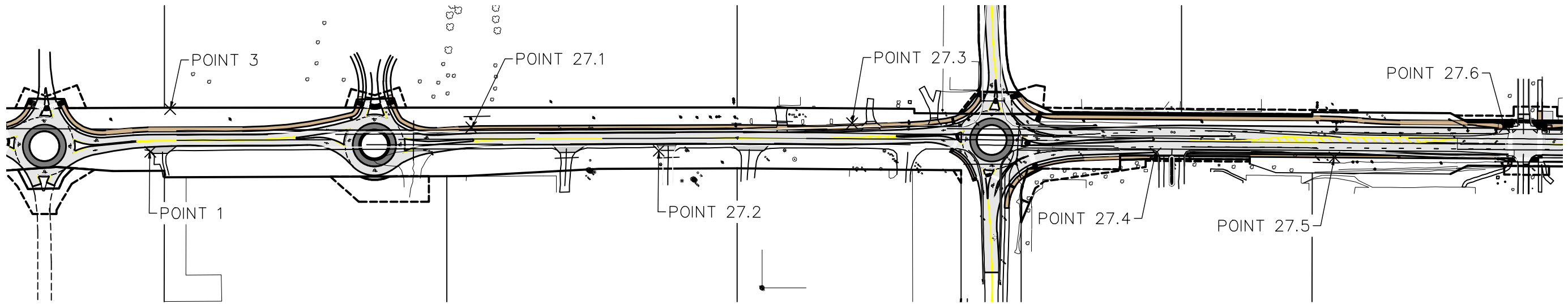
DRN	Westley, Casey
DES	
CHK	Sweeney, Michelle
APP	
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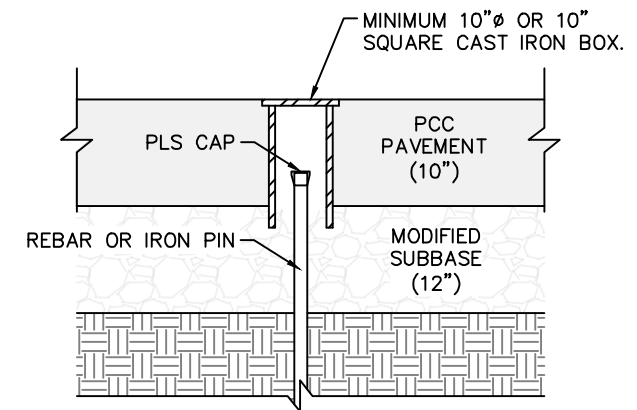
WEST 27th STREET RECON  
 RC-000-3240  
 GREENHILL ROAD RAB-3

DATE	7/30/2021
PROJECT NO.	60637669
MILESTONE	CHECK PLANS
SHEET NO.	190
DRAWING NO.	190

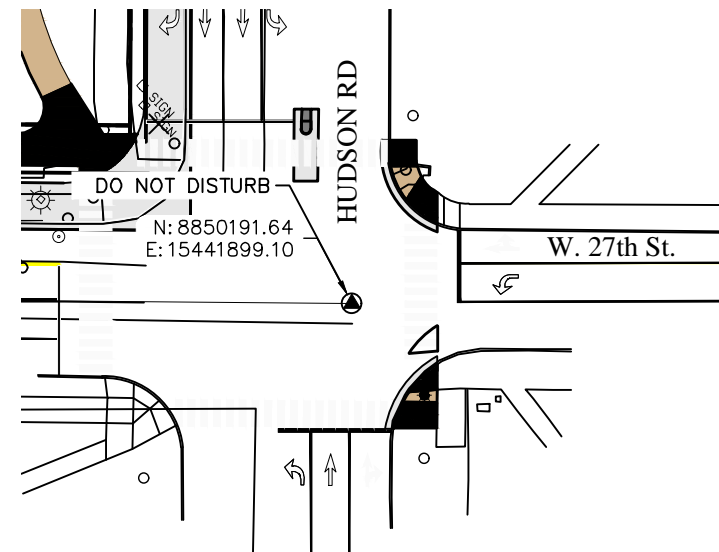
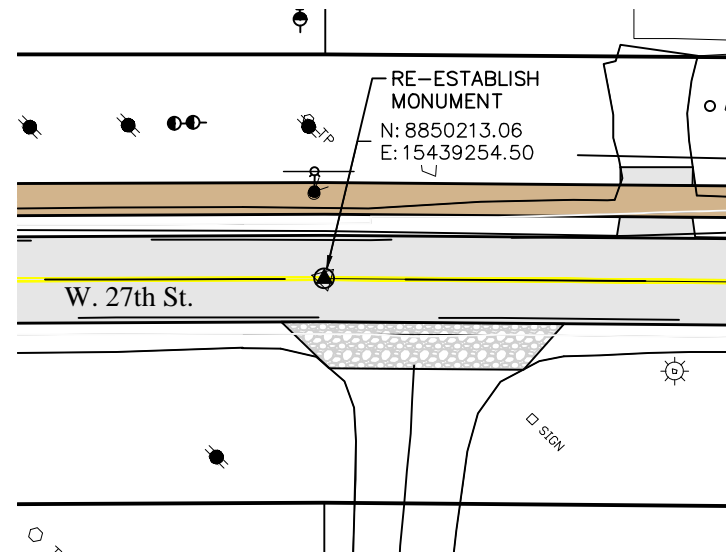
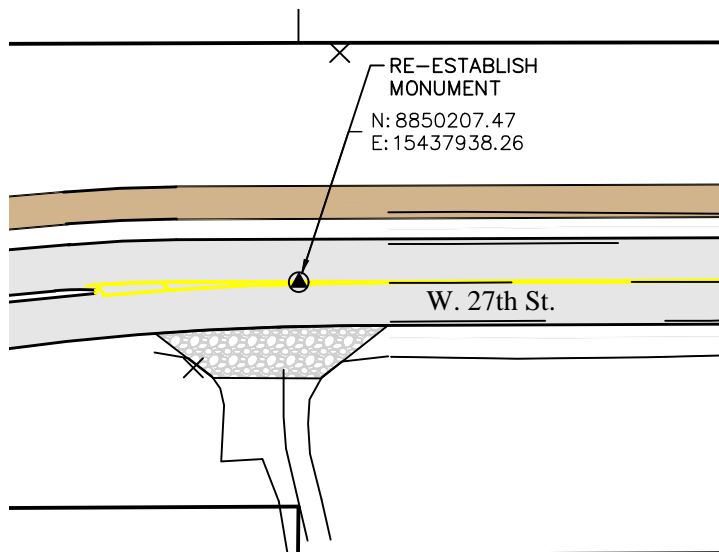




POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
27.1	8850237.55	15438643.18	937.15	1/2" Rebar
27.2	8850183.50	15439074.18	946.79	1/2" Rebar
27.3	8850246.91	15439518.77	953.6	1/2" Rebar
27.4	8850177.81	15440216.59	955.74	1/2" Rebar
27.5	8850168.33	15440627.90	951.93	1/2" Rebar
27.6	8850238.25	15441019.08	937.37	1/2" Rebar
27.7	8850152.48	15441474.90	931.79	1/2" Rebar
27.8	8850247.63	15441838.74	934.28	1/2" Rebar
27.9	8849864.67	15441838.00	926.95	1/2" Rebar
3	8850279.27	15437951.06	947.313	GPS Mon.
1	8850180.86	15437905.27	943.97	



MONUMENT PRESERVATION BOX DETAIL  
(NOT TO SCALE)



NOTE: ALL PLS MONUMENTATION DISTURBED AS A RESULT OF THIS PROJECT SHALL BE RE-ESTABLISHED BY A LICENSED SURVEYOR. ALL MONUMENTATION THAT LANDS WITHIN THE PAVING LIMITS SHALL HAVE A CAST IRON BOX.

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DES	
CHK	Sweeney, Michelle
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WEST 27th STREET RECON  
RC-000-3240  
CONTROL POINTS




DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	191

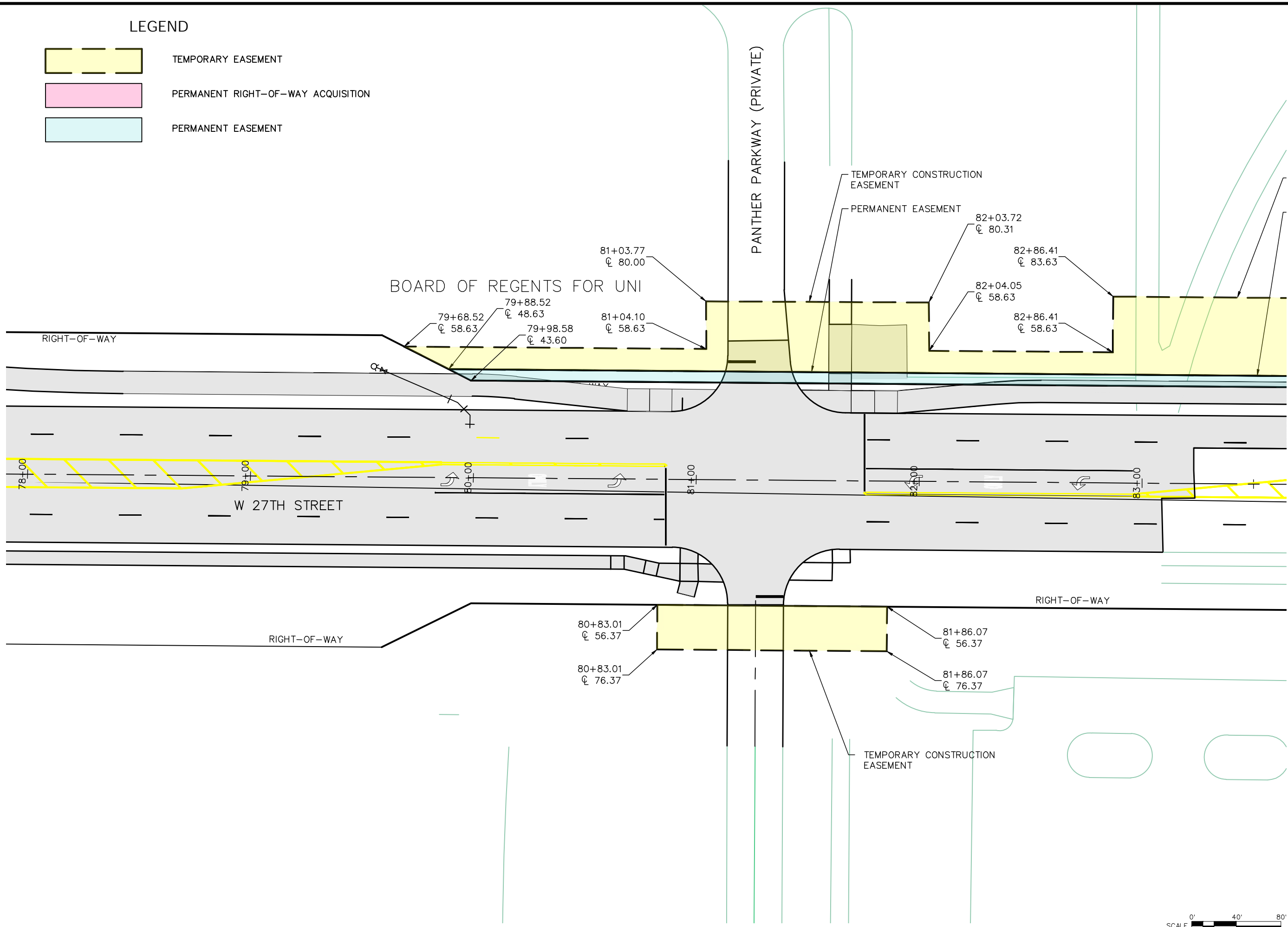


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### LEGEND

-  TEMPORARY EASEMENT
-  PERMANENT RIGHT-OF-WAY ACQUISITION
-  PERMANENT EASEMENT



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CHK	Sweeney, Michelle
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WEST 27th STREET RECON  
RC-000-3240  
RIGHT-OF-WAY

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	193

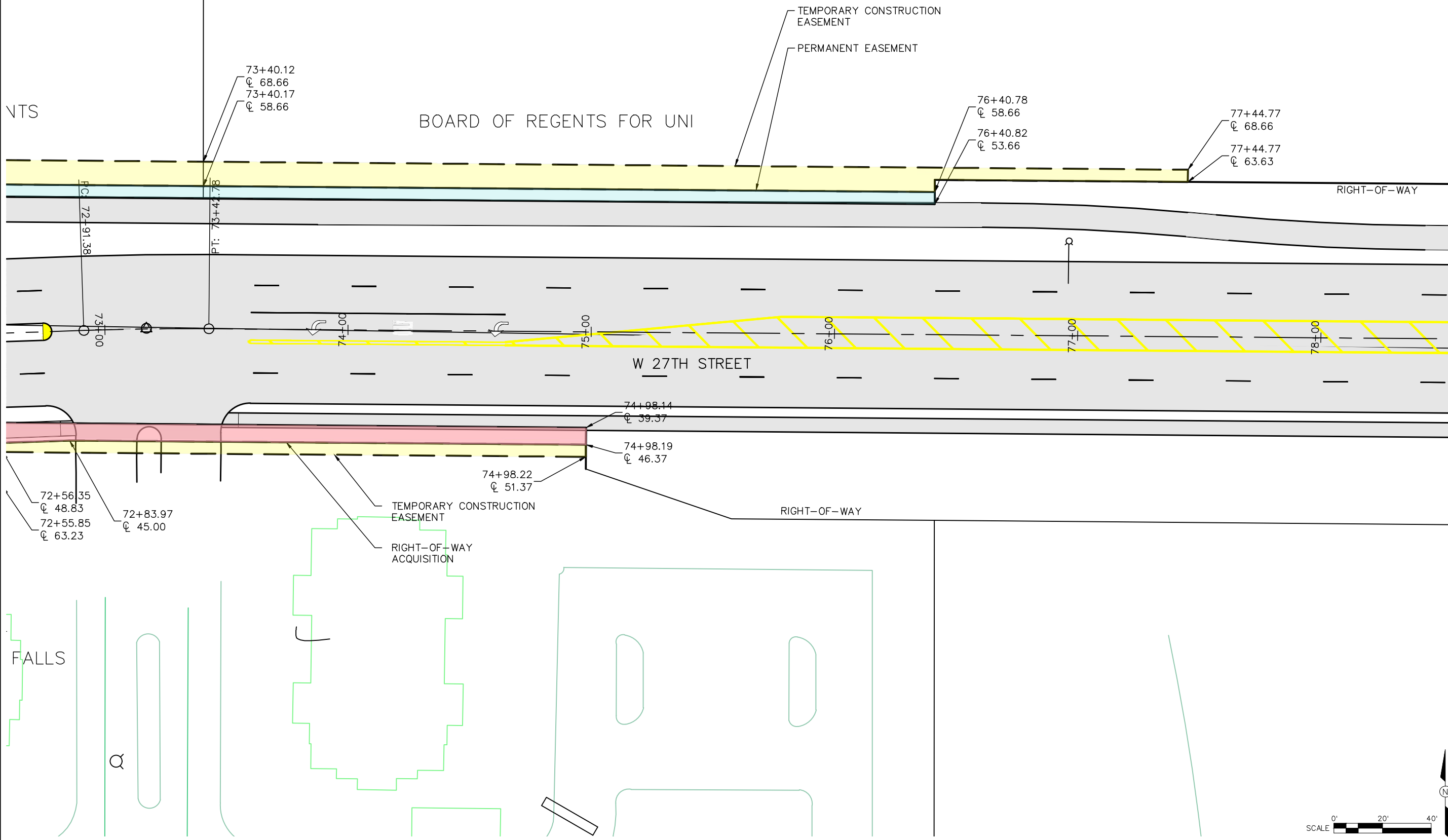
NO  
REVISIONS  
DRN CHK  
DATE

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### LEGEND

- TEMPORARY EASEMENT
- PERMANENT RIGHT-OF-WAY ACQUISITION
- PERMANENT EASEMENT



Item 17.

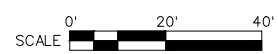
NO	REVISIONS	DATE

DRN	Westley, Casey
DES	
CHK	Sweeney, Michelle
APP	
REC'D	



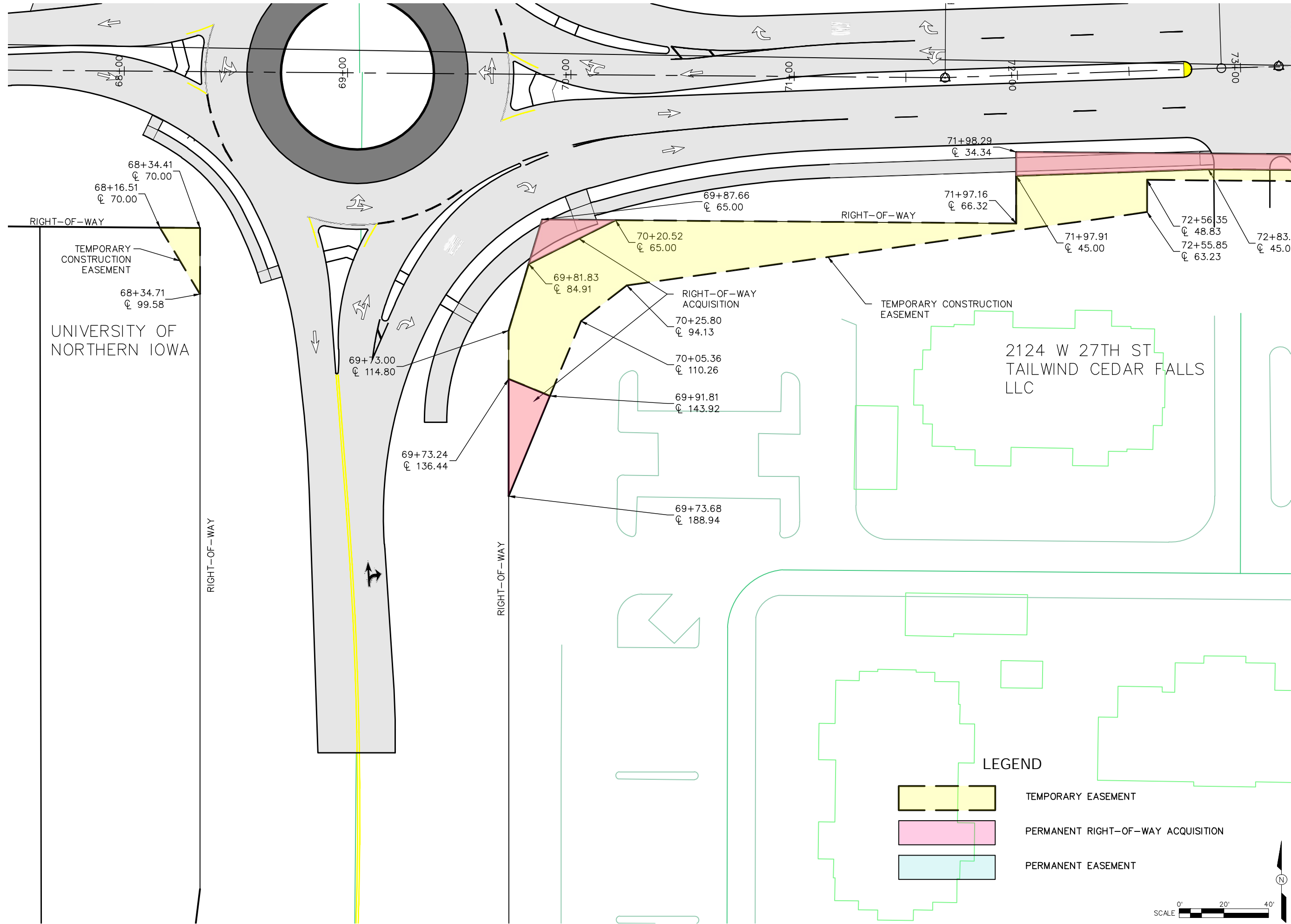
WEST 27th STREET RECON  
RC-000-3240  
RIGHT-OF-WAY

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	194
DRAWING NO.	194



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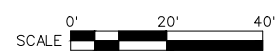


Item 17.		DATE
DRN	Westley, Casey	DRN / CHK
DES		
CHK	Sweeney, Michelle	REVISIONS
APP		NO
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WEST 27th STREET RECON  
RC-000-3240  
RIGHT-OF-WAY

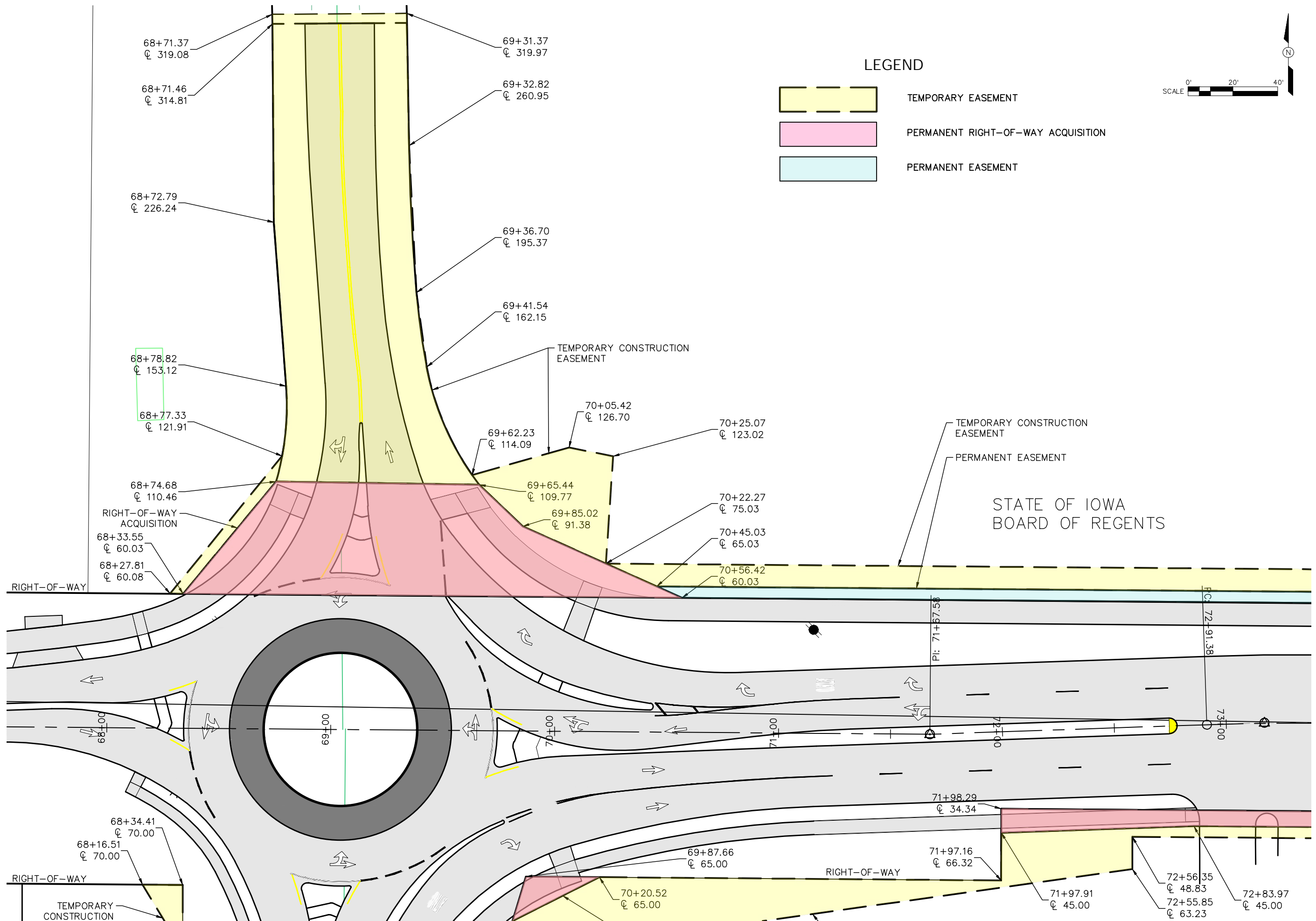
DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	195
DRAWING NO.	195





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NO	REVISIONS	CHK	DAT

DRN	Westley, Kasey
DES	
CHK	Sweeney, Michelle
APP	
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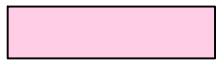

WEST 27th STREET RECON  
RC-000-3240  
RIGHT-OF-WAY

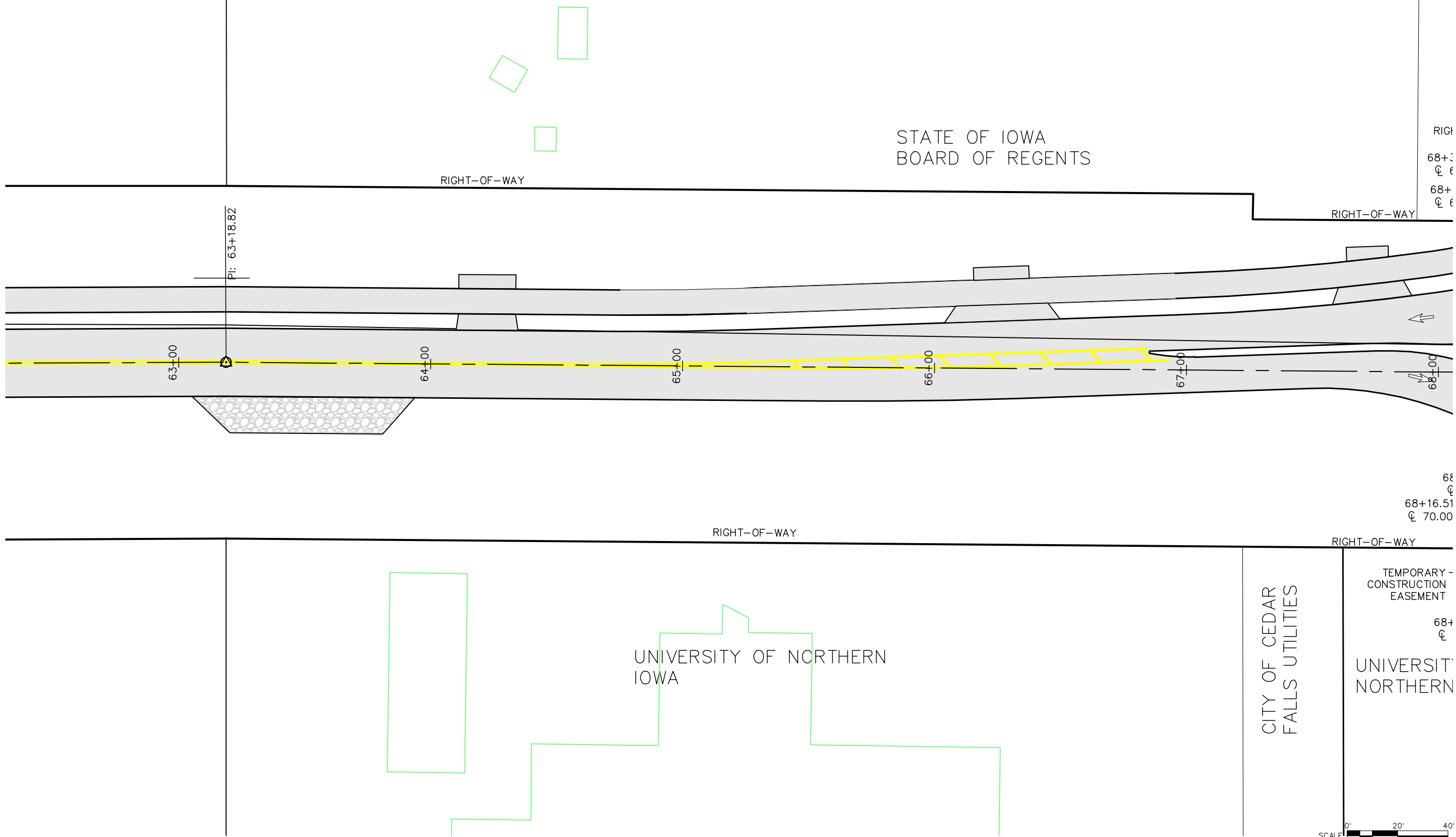
DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	196
DRAWING NO.	

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### LEGEND

-  TEMPORARY EASEMENT
-  PERMANENT RIGHT-OF-WAY ACQUISITION
-  PERMANENT EASEMENT



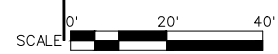
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DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	197



RIGHT-OF-WAY  
68+00  
68+00

68+00  
68+16.51  
70.00

RIGHT-OF-WAY

TEMPORARY -  
CONSTRUCTION  
EASEMENT

68+00

UNIVERSITY OF  
NORTHERN IOWA

CITY OF CEDAR  
FALLS UTILITIES

STATE OF IOWA  
BOARD OF REGENTS

UNIVERSITY OF NORTHERN  
IOWA

RIGHT-OF-WAY

RIGHT-OF-WAY

PRINTED: 3/25/22

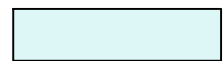
### LEGEND



TEMPORARY EASEMENT



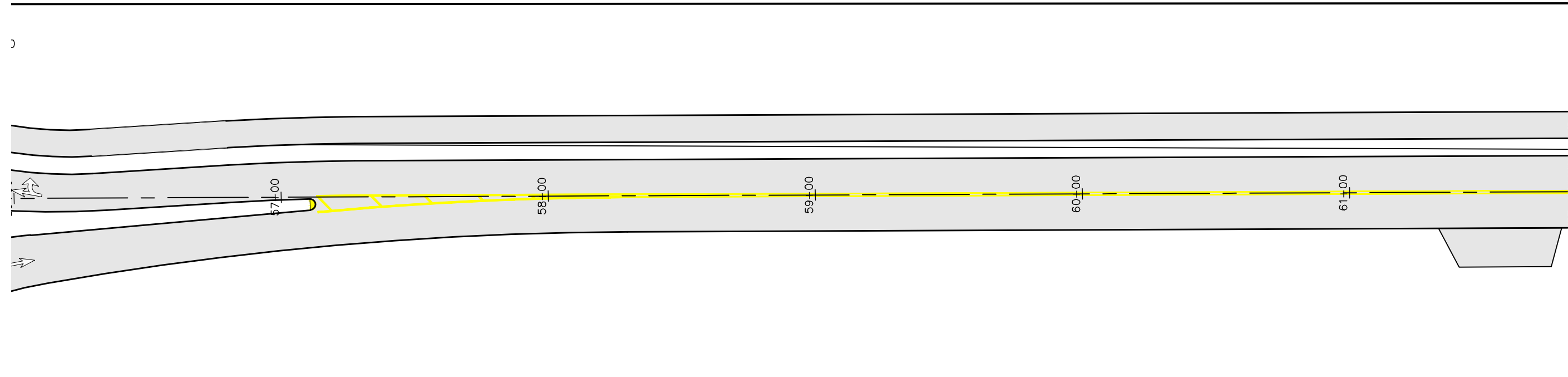
PERMANENT RIGHT-OF-WAY ACQUISITION



PERMANENT EASEMENT

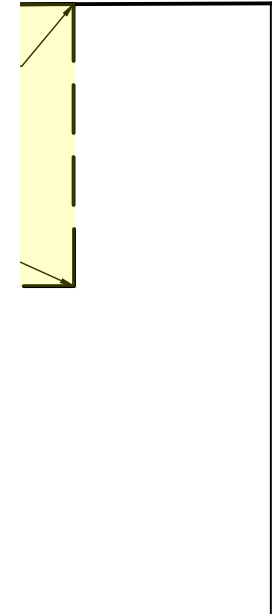
2701 W 27TH ST  
CEDAR FALLS COMMUNITY SCHOOL  
DISTRICT

RIGHT-OF-WAY



RIGHT-OF-WAY

2602 W 27TH ST  
CITY OF CEDAR FALLS UTILITIES



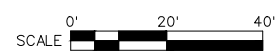
Item 17.

DRN	Westley, Casey
DES	
CHK	Sweeney, Michelle
APP	
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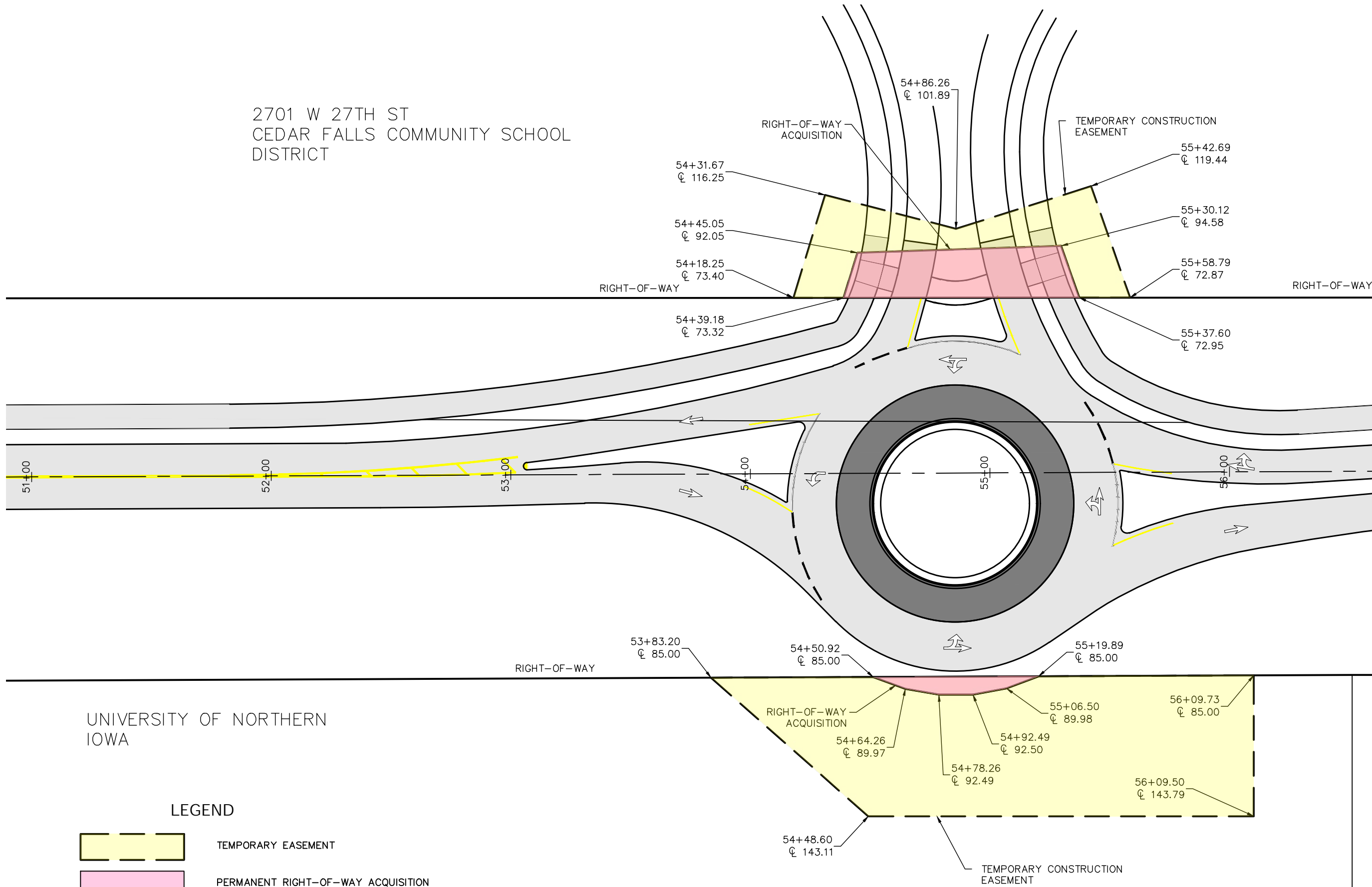
WEST 27th STREET RECON  
RC-000-3240  
RIGHT-OF-WAY

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	198
DRAWING NO.	198



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2701 W 27TH ST  
CEDAR FALLS COMMUNITY SCHOOL  
DISTRICT

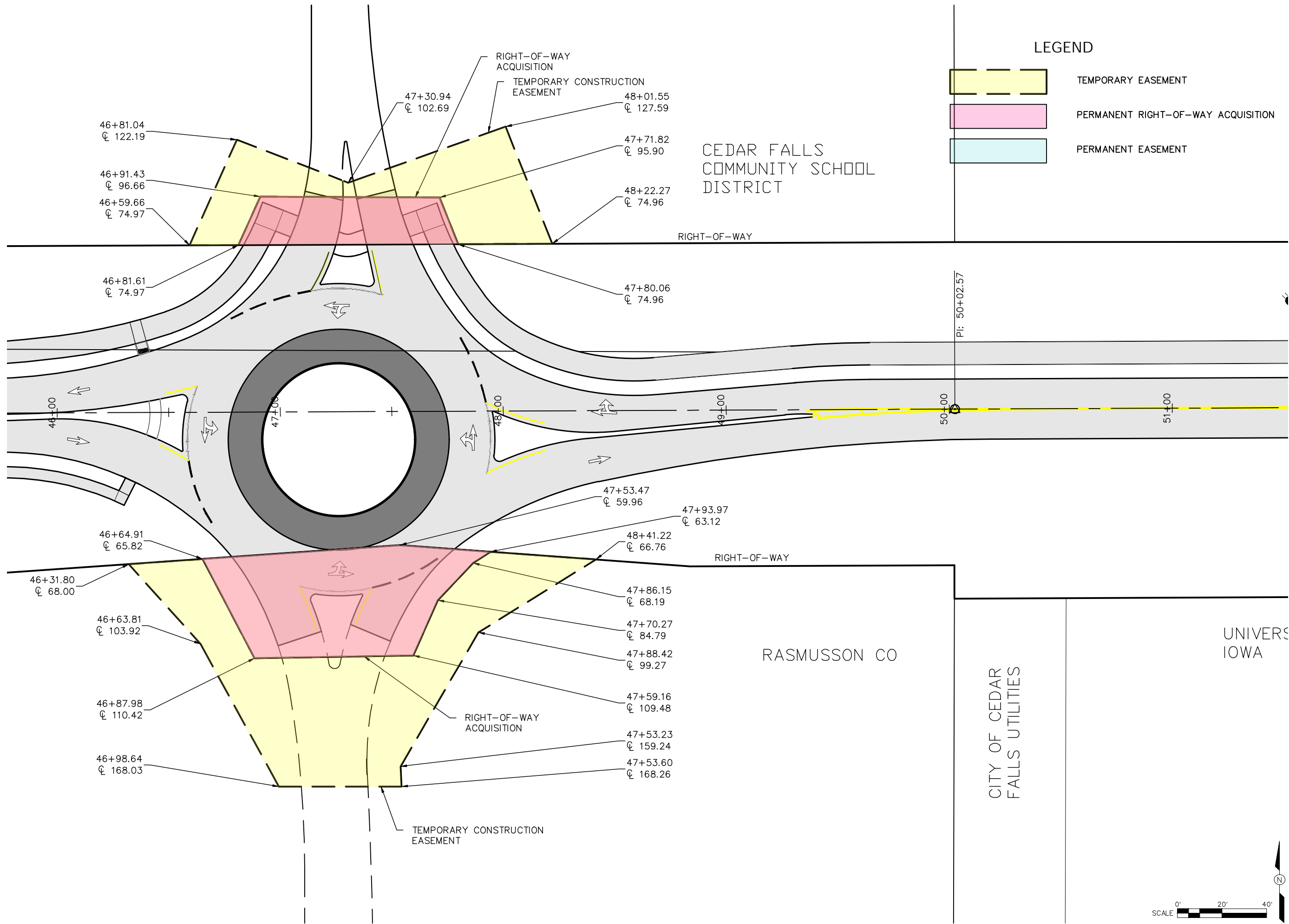


UNIVERSITY OF NORTHERN  
IOWA

- LEGEND**
- TEMPORARY EASEMENT
  - PERMANENT RIGHT-OF-WAY ACQUISITION
  - PERMANENT EASEMENT



Item 17.	
DRN	Westley, Kasey
DES	Sweeney, Michelle
CHK	Sweeney, Michelle
APP	Sweeney, Michelle
Copyright ©	AECOM All Rights Reserved
REVISIONS	NO
DRN	CHK
<b>AECOM</b>	
WEST 27th STREET RECON RC-000-3240 RIGHT-OF-WAY	
DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	199
DRAWING NO.	199



LEGEND

- TEMPORARY EASEMENT
- PERMANENT RIGHT-OF-WAY ACQUISITION
- PERMANENT EASEMENT

Item 17.

DRN	Westley, Kasey
DES	
CHK	Sweeney, Michelle
APP	
REVISIONS	
NO	
DATE	



WEST 27th STREET RECON  
RC-000-3240  
RIGHT-OF-WAY

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	200
DRAWING NO.	200





PRINTED: 3/25/22

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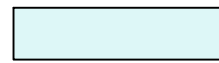
### LEGEND



TEMPORARY EASEMENT



PERMANENT RIGHT-OF-WAY ACQUISITION



PERMANENT EASEMENT

MONEY PIT LLC

CEDAR FALLS COMMUNITY SCHOOL DISTRICT

RIGHT-OF-WAY

RIGHT-OF-WAY

DONALD R RASMUSSEN &  
JACK P RASMUSSEN  
TRUST

RASMUSSEN CO

46+81.04  
☉ 122.19

46+91.43  
☉ 96.66

46+59.66  
☉ 74.97

46+81.61  
☉ 74.97

47+30  
☉ 102.

42+00

43+00

44+00

45+00

46+00

47+00

46+64.91  
☉ 65.82

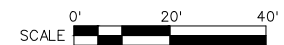
46+31.80  
☉ 68.00

46+63.81  
☉ 103.92

46+87.98  
☉ 110.42

46+98.64  
☉ 168.03

TEMP  
EASE



Item 17.

DRN	Westley, Casey
DES	
CHK	Sweeney, Michelle
APP	
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ACOM	All Rights Reserved



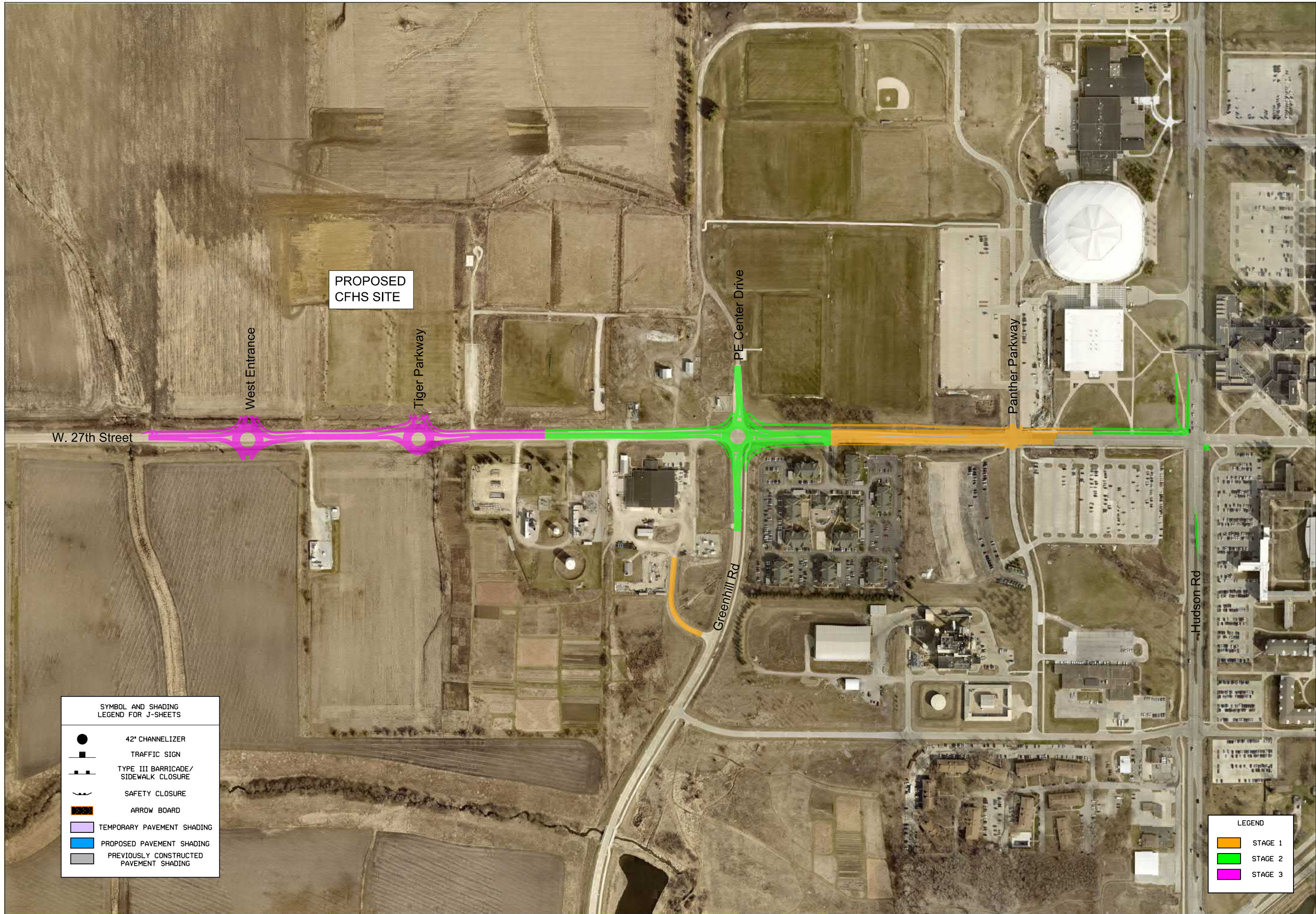
WEST 27th STREET RECON  
RC-000-3240  
RIGHT-OF-WAY

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	201
DRAWING NO.	201

NO	
DRN	CHK
REV	NO
DATE	







PROPOSED  
CFHS SITE

West Entrance

Tiger Parkway

PE Center Drive

Panther Parkway

Greenhill Rd

Hudson Rd

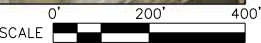
W. 27th Street

SYMBOL AND SHADING  
LEGEND FOR J-SHEETS

	42" CHANNELIZER
	TRAFFIC SIGN
	TYPE III BARRICADE/ SIDEWALK CLOSURE
	SAFETY CLOSURE
	ARROW BOARD
	TEMPORARY PAVEMENT SHADING
	PROPOSED PAVEMENT SHADING
	PREVIOUSLY CONSTRUCTED PAVEMENT SHADING

LEGEND

	STAGE 1
	STAGE 2
	STAGE 3



Item 17.		DATE
DRN 12/24/21 Degen, Michael N.		NO
DES 12/25/22 Sydney, Johnson		REVISIONS
CHK		DRN
APP		CHK
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**AECOM**

WEST 27TH STREET RECON  
RC-000-3240

OVERALL STAGING PLAN

DATE 3-25-2022

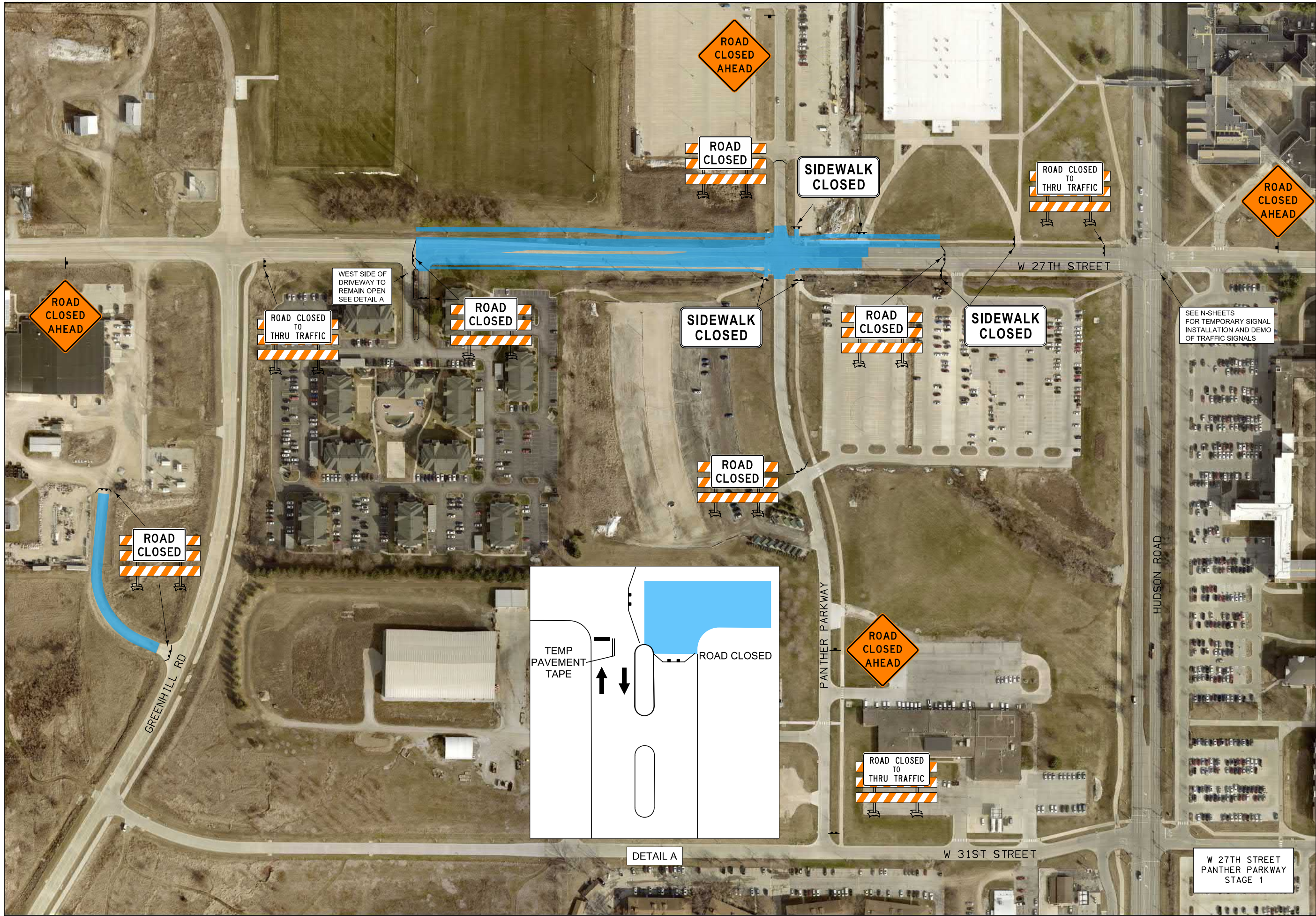
PROJECT NO. 60637669

MILESTONE FINAL PLANS

SHEET NO. 203

DRAWING NO. 203





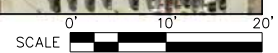
Item 17.

DRN	12/24/21	Degen, Michael N.	NO	REVISIONS
DES	12/25/22	Sydney, Johnson	NO	REVISIONS
CHK				
APP				
Copyright ©				
AECOM				
All Rights Reserved				

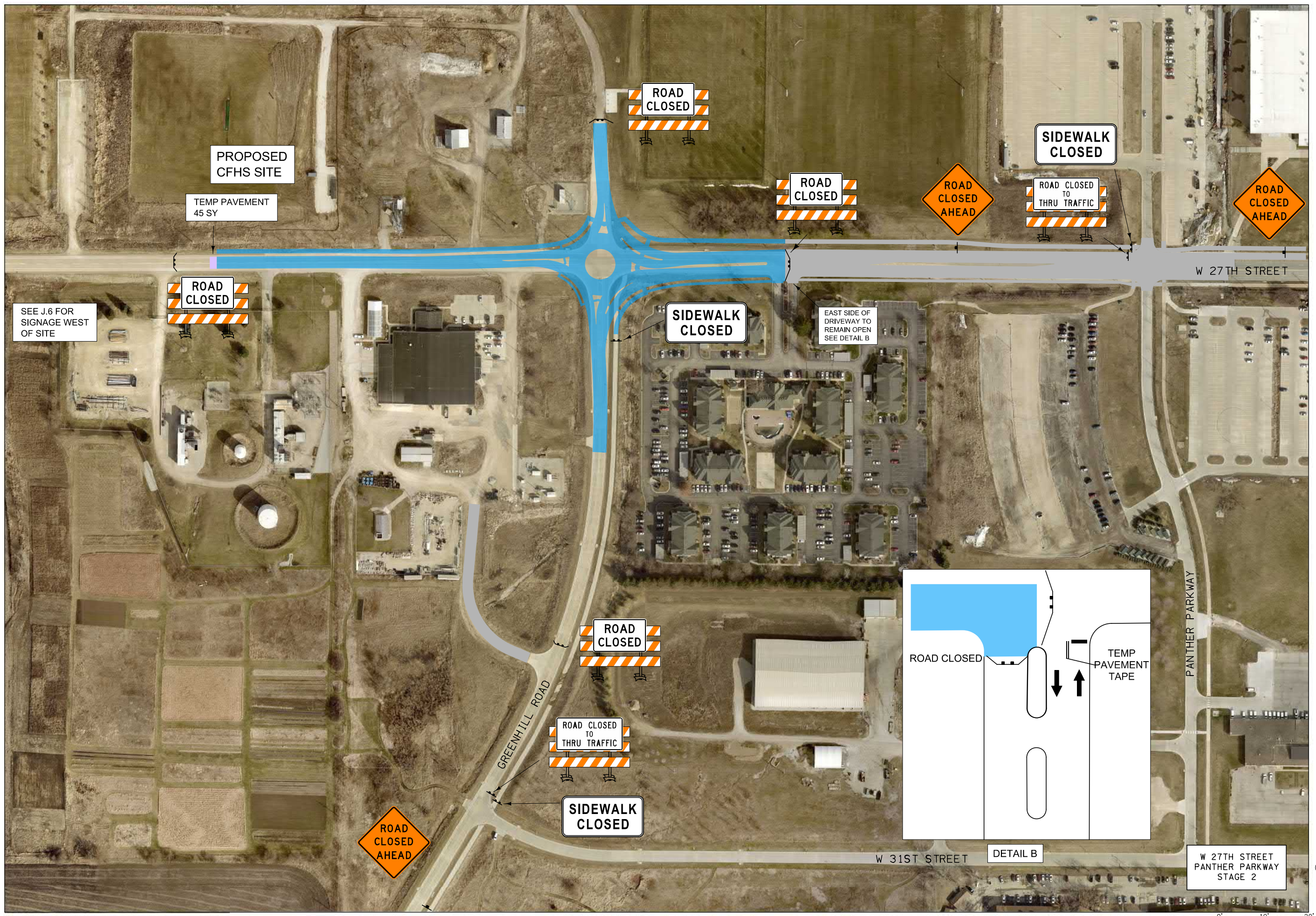
# AECOM

WEST 27TH STREET RECON  
RC-000-3240  
STAGE 1 PLAN

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	204
DRAWING NO.	204







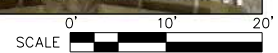
Item 17.

DRN	12/24/21	Degen, Michael N.	NO	REVISIONS	DRN	CHK
DES	12/25/22	Sydney Johnson				
CHK						
APP						
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# AECOM

WEST 27TH STREET RECON  
 RC-000-3240  
 STAGE 2 PLAN

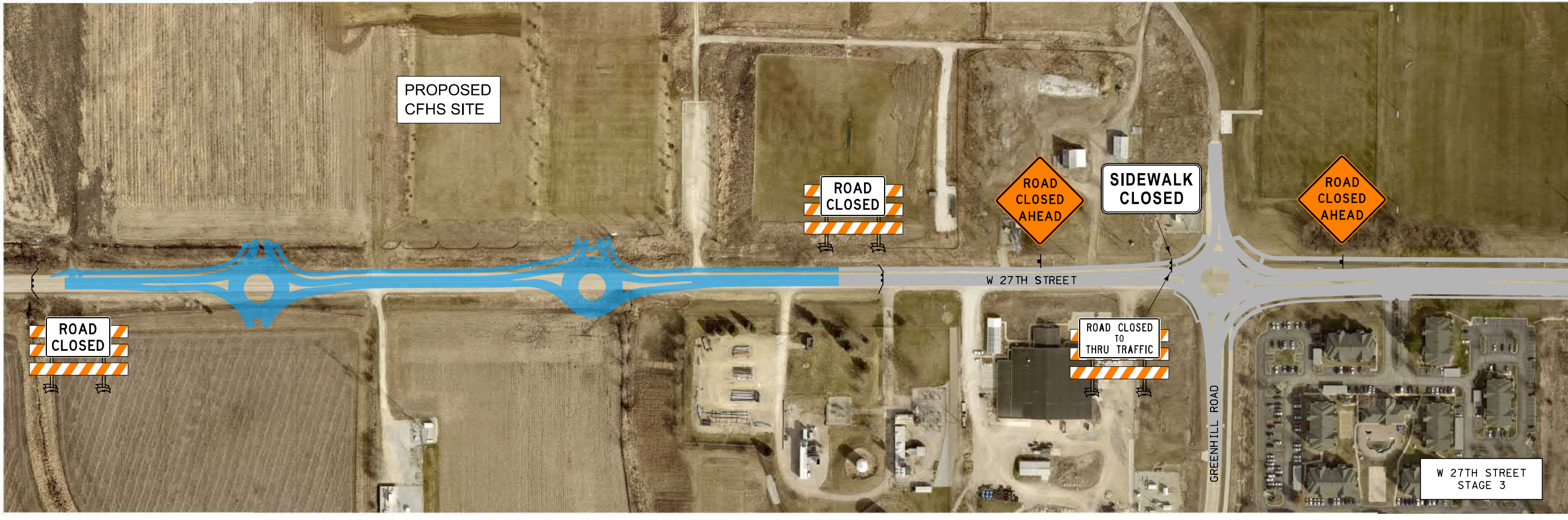
DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	205
DRAWING NO.	205











Item 17.		DATE
DRN	3/24/21	Degen, Michael N.
CHK	3/25/22	Sydney, Johnson
APP		
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AECOM All Rights Reserved		REVISIONS
		DRN / CHK

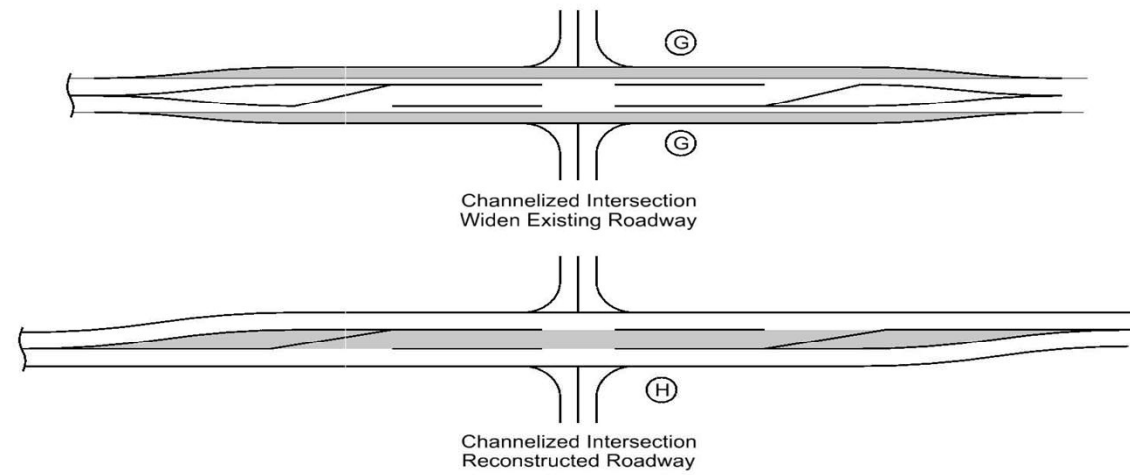
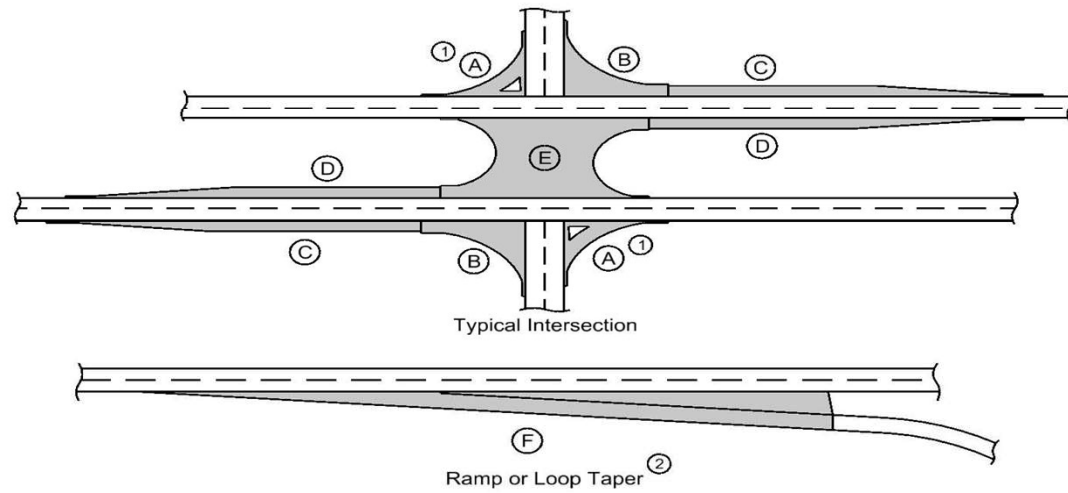
**AECOM**

WEST 27TH STREET RECON  
RC-000-3240  
STAGE 3 PLAN

DATE: 3-25-2022  
PROJECT NO.: 60637669  
MILESTONE: FINAL PLANS  
SHEET NO.: 207  
DRAWING NO.: 207



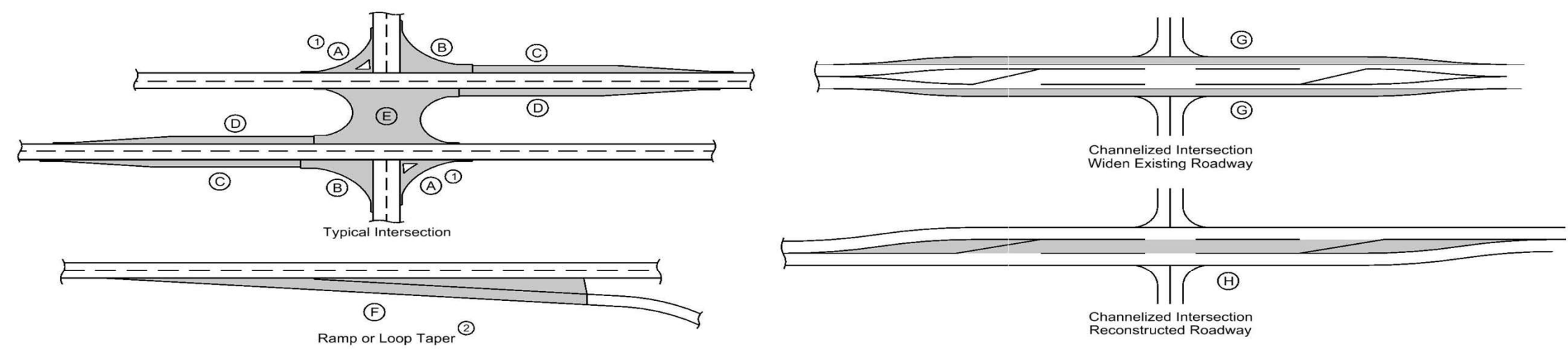
PCC PAVEMENT



- 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.

Road Identification	Location		Mainline			Area ③								Total Area By Pavement Thickness		Special Backfill	Modified Subbase	Granular Subbase	Remarks		
	Direction of Travel	Station to Station	Width	Length	Area	①		②		③		SY									
						A	B	C	D	E	F	G	H	10 IN	10% IN					TONS	CY
W 27th Street	WB	42+84.34	43+35.33	13.5	51.0	76.5															
W 27th Street	WB	43+35.33	44+47.00	13.8	111.7	170.6															13.5-14.0
W 27th Street	WB	44+47.00	45+70.06	15.0	123.1	205.1															14.0-16.0
W 27th Street	WB	45+70.06	46+57.30	19.6	87.2	190.0															16.0-23.1
W 27th Street	EB	42+84.34	43+35.33	13.5	51.0	76.5															
W 27th Street	EB	43+35.33	44+74.43	13.8	139.1	212.5							15.4								13.5-14.0
W 27th Street	EB	44+74.43	45+71.45	14.0	97.0	150.9															
Staff Entrance Roundabout	WB	46+57.30	STF E CL	Varies	Varies	346.6															
Staff Entrance Roundabout	WB	STF E CL	48+69.88	Varies	Varies	463.4															
Staff Entrance Roundabout	EB	45+71.45	STF E CL	Varies	Varies	513.5															
Staff Entrance Roundabout	EB	STF E CL	48+41.30	Varies	Varies	440.1															
W 27th Street	WB	48+69.88	49+52.79	15.3	82.9	140.9															16.6-14.0
W 27th Street	WB	49+52.79	49+89.59	13.8	36.8	56.4															14.0-13.5
W 27th Street	WB	49+89.59	50+44.11	13.5	54.5	81.8															
W 27th Street	WB	50+44.11	52+00.00	13.5	155.9	233.8															
W 27th Street	WB	52+00.00	53+34.09	13.8	134.1	204.9							11.0								13.5-14.0
W 27th Street	WB	53+34.09	54+27.61	16.7	93.5	173.5															14.0-19.4
W 27th Street	EB	48+41.30	50+02.57	16.8	161.3	301.0							7.8								19.9-13.6
W 27th Street	EB	50+02.57	50+18.24	13.5	15.7	23.5															
W 27th Street	EB	50+18.24	52+00.00	13.5	181.8	272.6															
W 27th Street	EB	52+00.00	53+30.85	14.5	130.9	210.8															13.5-15.5
W 27th Street	EB	53+30.85	54+15.09	19.5	84.2	182.5															15.5-23.5
Tiger PKWY Roundabout	WB	54+27.61	T PKWY CL	Varies	Varies	290.7															
Tiger PKWY Roundabout	WB	T PKWY CL	55+66.78	Varies	Varies	296.5															
Tiger PKWY Roundabout	EB	54+15.09	T PKWY CL	Varies	Varies	278.9															
Tiger PKWY Roundabout	EB	T PKWY CL	56+45.40	Varies	Varies	400.8															
W 27th Street	WB	55+66.78	56+29.24	18.5	62.5	128.4															23.0-14.0
W 27th Street	WB	56+29.24	56+80.43	14.0	51.2	79.6															
W 27th Street	WB	56+80.43	58+58.66	13.8	178.2	273.3															14.0-13.5
W 27th Street	WB	58+58.66	64+75.05	13.5	616.4	924.6															
W 27th Street	WB	64+75.05	68+00.61	17.2	325.6	622.2															
W 27th Street	WB	68+00.61	68+29.17	21.8	28.6	69.2							75.9								13.5-20.8
W 27th Street	EB	56+45.40	58+00.00	16.0	154.6	274.8															20.8-22.8
W 27th Street	EB	58+00.00	65+56.10	13.5	756.1	1134.2															18.5-13.5
W 27th Street	EB	65+56.10	67+49.53	13.8	193.4	296.6															1134.2
Greenhill Road Roundabout	WB	68+29.17	GH Rd CL	Varies	Varies	266.5															266.5
Greenhill Road Roundabout	WB	GH Rd CL	70+41.63	Varies	Varies	383.3															383.3
Greenhill Road Roundabout	EB	67+49.53	GH Rd CL	Varies	Varies	424.2															424.2
Greenhill Road Roundabout	EB	GH Rd CL	69+68.84	Varies	Varies	221.8	3.7														225.5
PE Center Drive	SB	6+72.01	7+31.37	Varies	59.4	119.6															119.6
PE Center Drive	SB	7+31.37	7+74.92	17.1	43.6	82.7															82.7
PE Center Drive	SB	7+74.92	9+36.00	15.5	161.1	277.4															277.4
PE Center Drive	NB	+00.00	1+21.67	14.9	121.7	201.4															201.4

PCC PAVEMENT

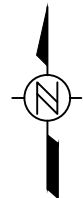
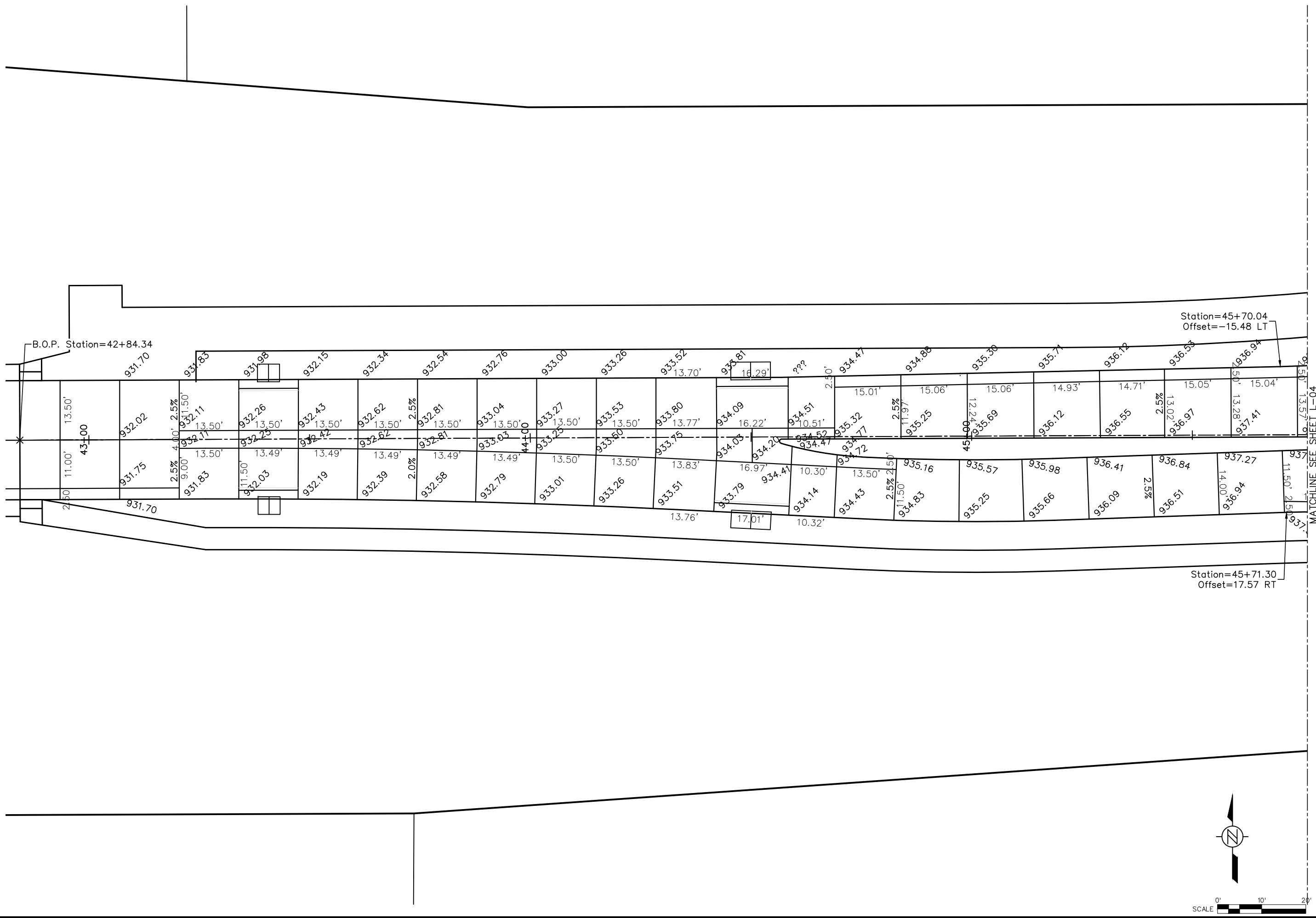


- ① Does not include raised island area or curb. Refer to tabulation 112-4 for quantities.
- ② Refer to PV-410, PV-411, PV-412, and PV-414.
- ③ Quantity includes Pavement Header.

Road Identification	Location Direction of Travel	Station to Station	Mainline			Area ③								Total Area By Pavement Thickness		Special Backfill TONS	Modified Subbase CY	Granular Subbase SY	Remarks		
			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	10 IN	10% IN						
PE Center Drive	NB	1+21.67	2+01.45	18.9	79.8	167.5														23.4-14.3	
PE Center Drive	NB	2+01.45	2+24.50	Varies	23.1	164.3															
North Roundabout Exit	NB	2+24.50	2+51.35	Varies	26.9	93.2															
W to N Outside Lane	NB	2+24.50	3+46.71	Varies	122.2	235.8															
Greenhill Road	SB	9+25.00	7+73.85	17.6	151.2	295.6														18.1-16.0	
Greenhill Road	SB	7+73.85	7+43.45	16.3	30.4	55.1														16.0-16.5	
Greenhill Road	SB	7+43.45	6+75.76	20.8	67.7	135.1														16.5-25.1	
Greenhill Road	NB	+00.00	+93.56	16.0	93.6	166.3														16.5-15.5	
Greenhill Road	NB	+93.56	2+01.93	27.4	108.4	329.9					5.4									15.5-39.2	
Greenhill Road Inside Lane	NB	2+01.93	2+46.02	Varies	44.1	78.9															
GH Roundabout Outside Lane	EB	2+01.94	2+92.53	Varies	90.6	221.7															
W 27th Street Inside Lane	WB	69+51.52	70+42.57	Varies	91.0	188.9															
W 27th Street	WB	70+42.57	71+67.58	33.1	125.0	459.8														39.2-27.0	
W 27th Street	WB	71+67.58	72+74.59	27.0	107.0	321.0															
W 27th Street	WB	72+74.59	76+00.00	23.8	325.4	860.5															
W 27th Street	WB	76+00.00	80+50.00	23.8	450.0	1190.0															
W 27th Street Inside Lane	EB	69+68.84	70+03.21	Varies	34.4	105.3															
W 27th Street	EB	70+03.21	71+15.72	33.9	112.5	423.8														40.8-27.0	
W 27th Street	EB	71+15.72	72+74.59	27.0	158.9	476.6															
W 27th Street	EB	72+74.59	76+00.00	24.8	325.4	896.7	4.2	3.8													
W 27th Street	EB	76+00.00	80+50.00	24.3	450.0	1215.0															
W 27th Street	WB	80+50.00	82+00.00	24.5	150.0	408.3	16.4	16.3		610.7										24.8-23.8	
W 27th Street	WB	82+00.00	83+23.10	25.1	123.1	343.3														23.8-25.1	
W 27th Street	WB	83+23.10	89+13.02	14.5	589.9	950.4	15.3														
W 27th Street	EB	80+50.00	82+00.00	24.4	150.0	406.7	16.8	15.8												23.8-24.9	
W 27th Street	EB	82+00.00	83+09.00	25.0	109.0	302.8															
Panther PKWY	NB	180+75.60	181+01.42	12.5	25.8	35.9															
Panther PKWY	SB	180+75.60	181+01.42	12.5	25.8	35.9															
Panther PKWY	NB	181+57.50	181+89.34	14.5	31.8	51.3															
Panther PKWY	SB	181+57.50	181+89.34	12.6	31.8	44.6															
Hudson Road	SB	289+27.78	290+50.00	14.6	122.2	198.3														14.7-14.5	
Hudson Road	SB	290+50.00	291+78.50	8.3	128.5	118.5														14.5-2.0	
Hudson Road	MEDIAN	2194+47.84	2194+62.72	7.6	14.9	12.5															
Detached Entrance S Greenhill	NB	97+10.60	92+91.00	23.0	419.6	1072.3														24.0-22.0	
South Hudson Road	NB	10+00.00	12+51.30	Varies	251.3	245.8															
			Total:			24081.8									Total:					25270.4	





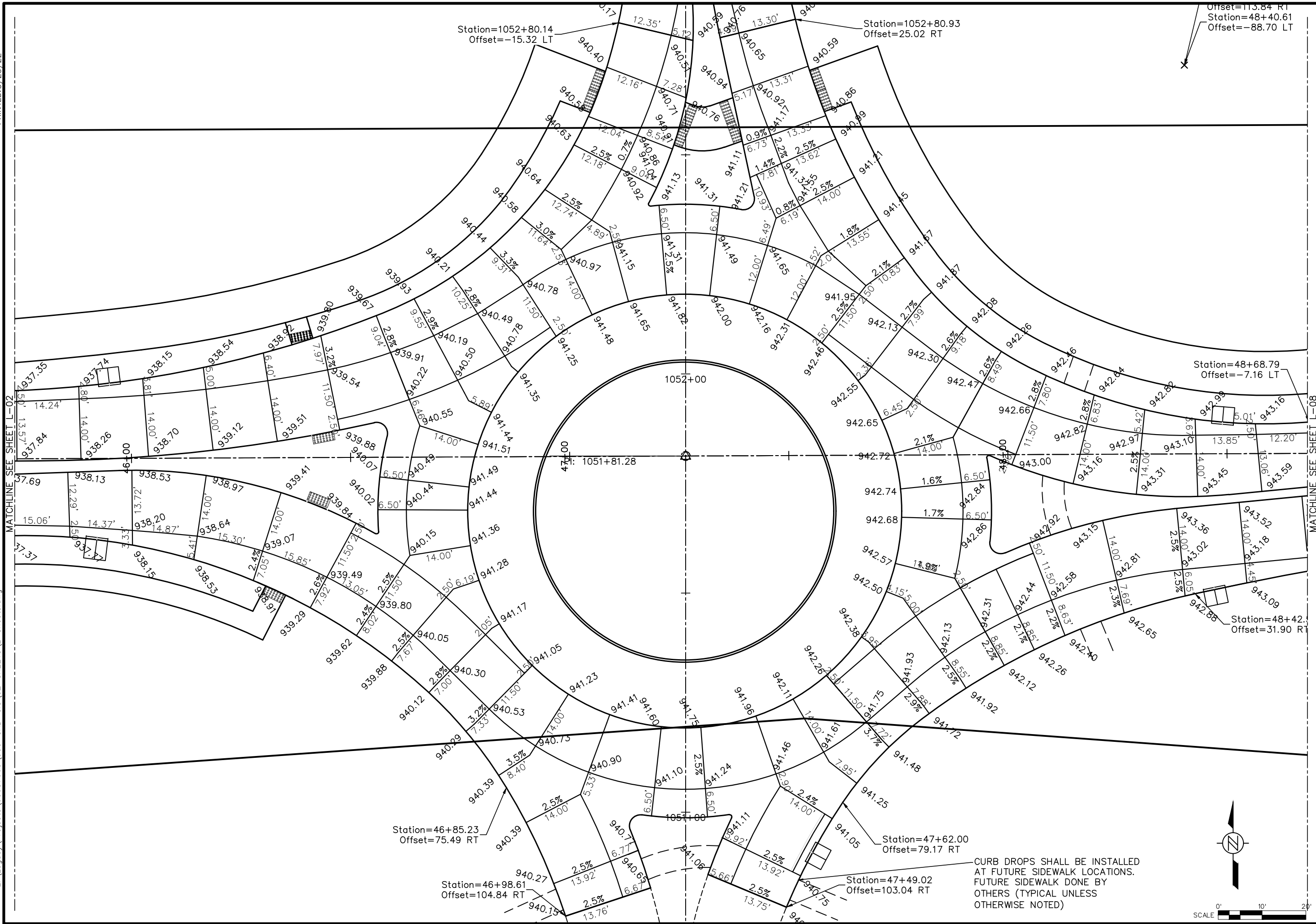


WEST 27th STREET RECON  
RC-000-3240  
TITLE SHEET

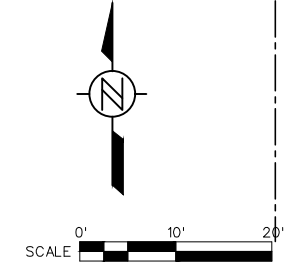
DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	211

DRN	Muller, Aaron	NO	NO	NO
DES				
CHK	Sweeney, Michelle			
APP				
REC				
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REVISIONS				
NO				
DRN	CHK			
Item 17.				





Offset=113.84 RT  
 Station=48+40.61  
 Offset=-88.70 LT



CURB DROPS SHALL BE INSTALLED AT FUTURE SIDEWALK LOCATIONS. FUTURE SIDEWALK DONE BY OTHERS (TYPICAL UNLESS OTHERWISE NOTED)

Item 17.

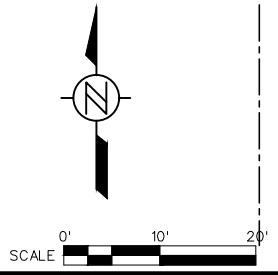
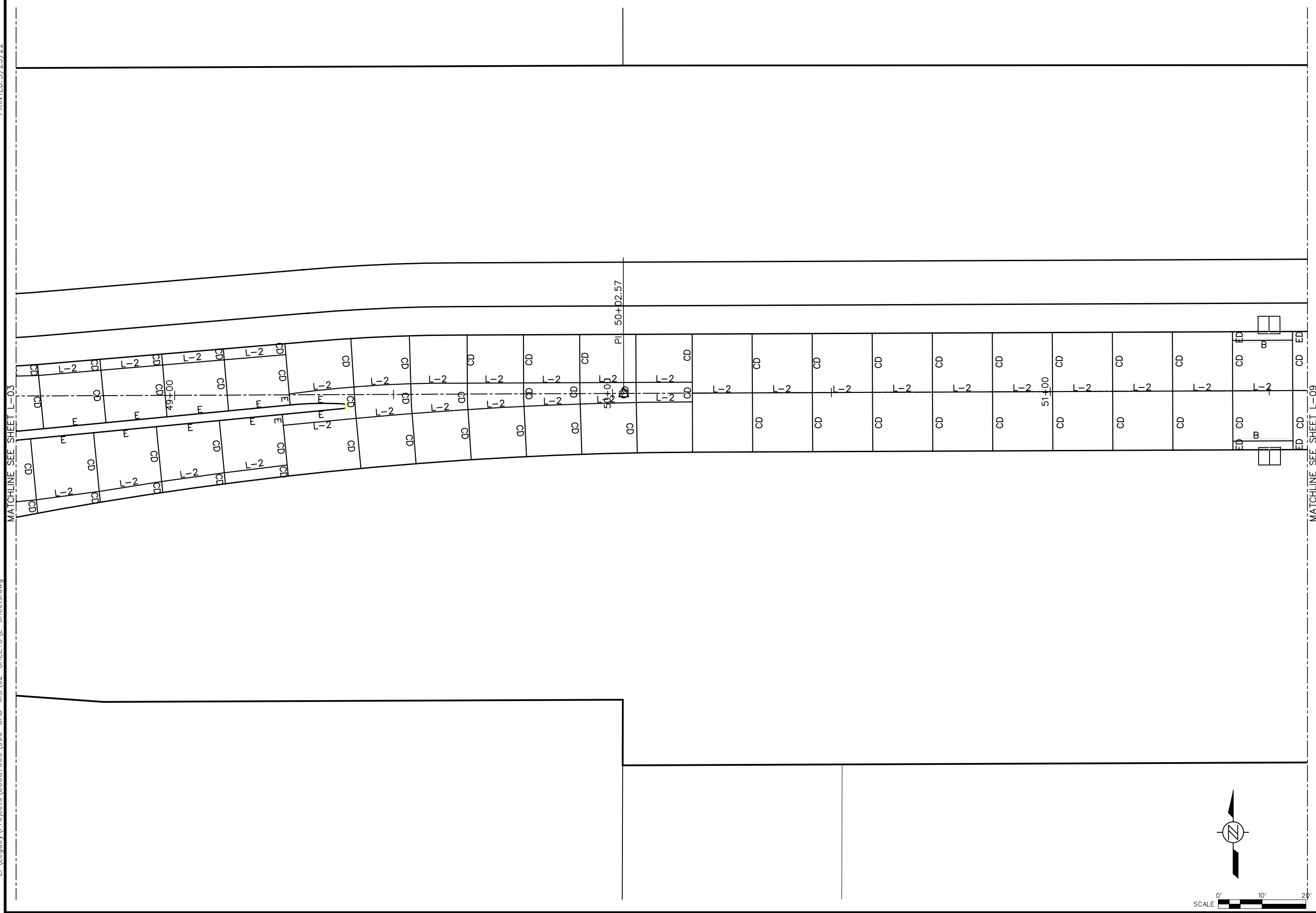
NO	REVISIONS	DRN	CHK	APP	DATE
		Muller, Aaron			
		DES	Sweeney, Michelle		
		CHK			
		APP			
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**AECOM**

WEST 27th STREET RECON  
 RC-000-3240

TITLE SHEET

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	213



<b>WEST 27th STREET RECON</b>		<b>RC-000-3240</b>		<b>TITLE SHEET</b>	
DATE		3-25-2022			
PROJECT NO.		60637669			
MILESTONE		FINAL PLANS			
SHEET NO.		214			
DRAWING NO.		L-07			

DRN	Muller, Aaron	NO	REVISIONS	DRN	CHK
DES					
CHK	Sweeney, Michelle				
APP					

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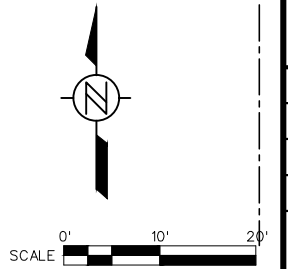
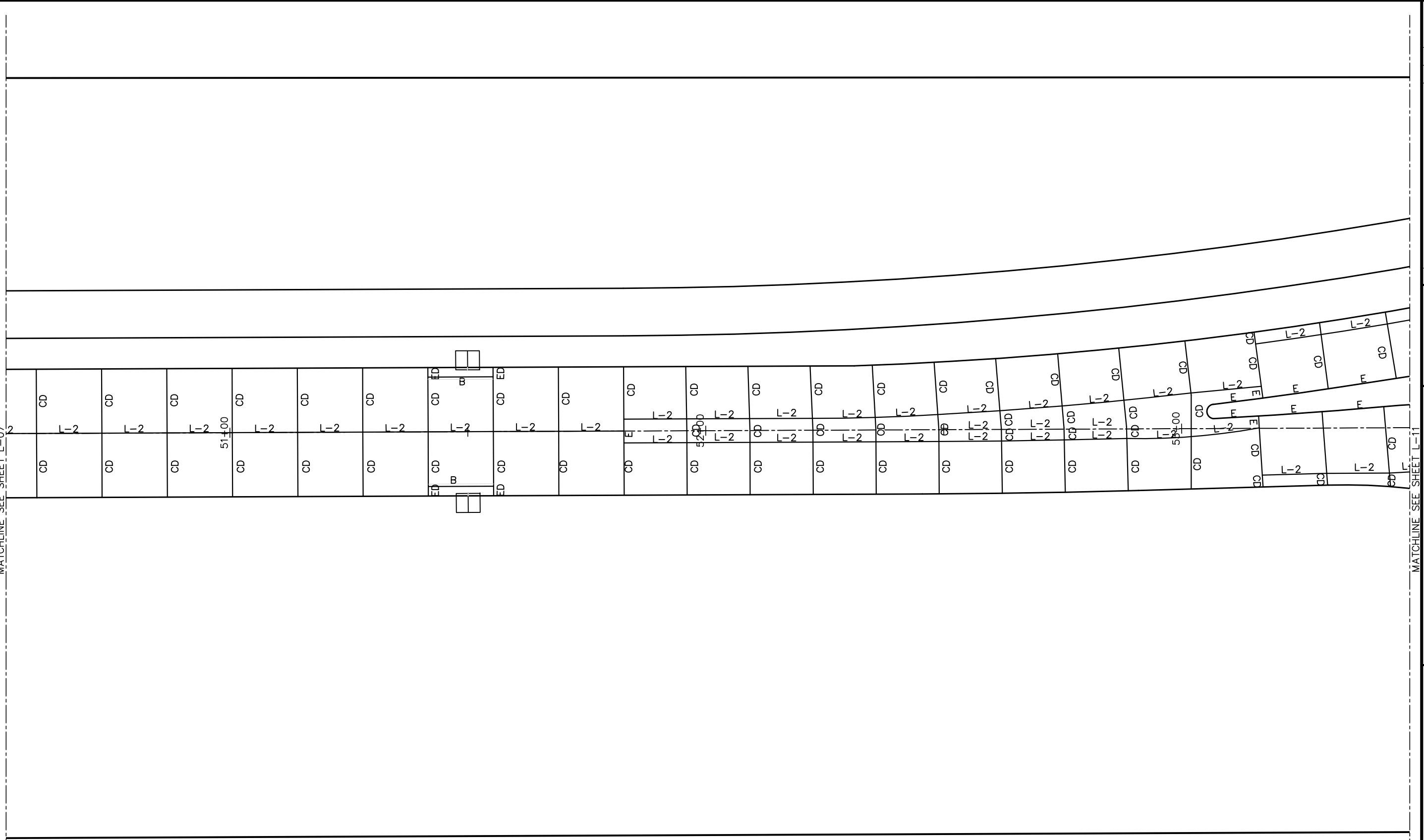
Item 17.





MATCHLINE SEE SHEET L-07

MATCHLINE SEE SHEET L-11



DATE		3-25-2022	
PROJECT NO.		60637669	
MILESTONE		FINAL PLANS	
SHEET NO.		216	
DRAWING NO.		216	

DRN	Muller, Aaron
DES	
CHK	Sweeney, Michelle
APP	

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RC-000-3240  
TITLE SHEET

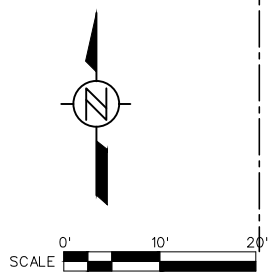
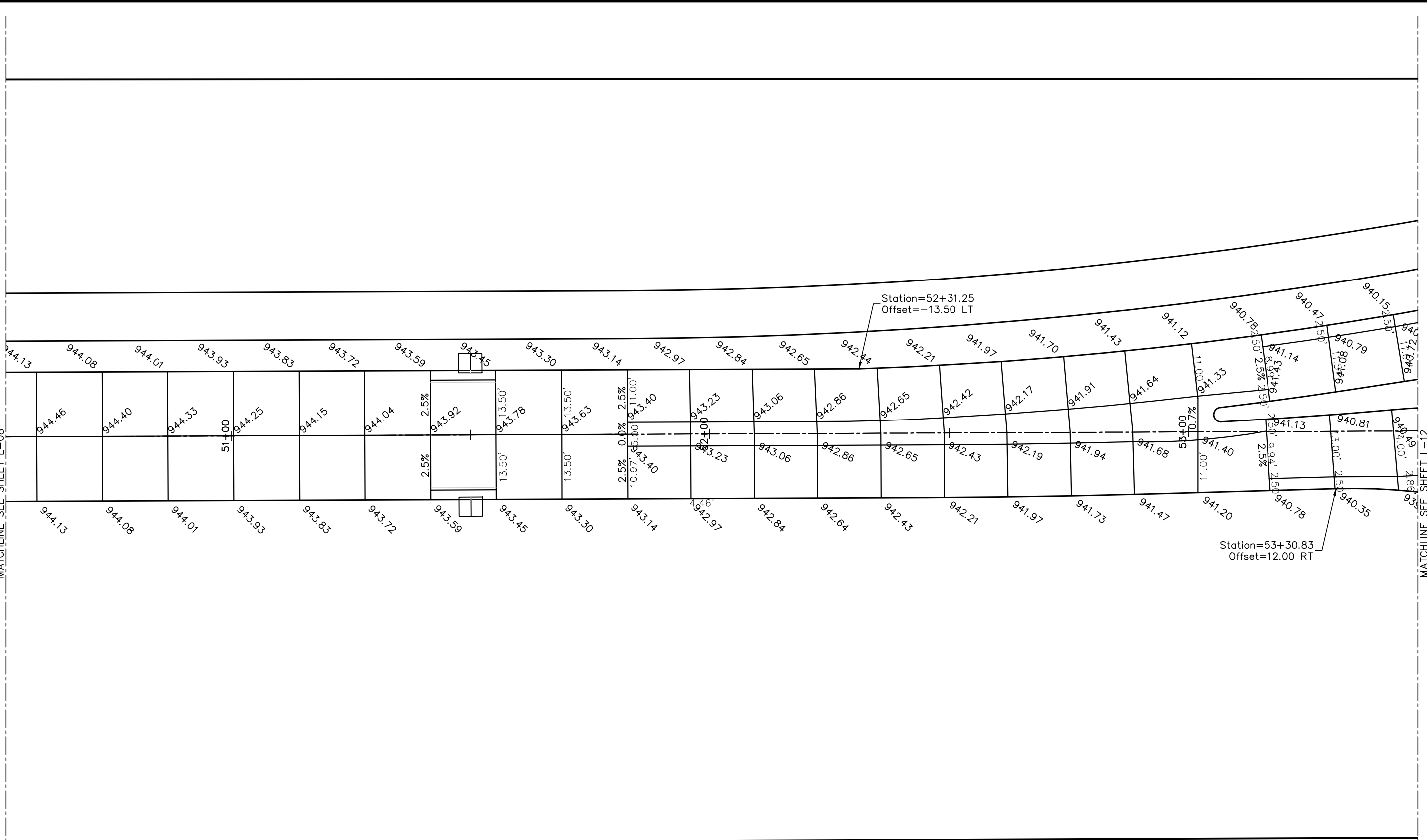
  

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NO	REVISIONS	DRN	CHK

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DES	
CHK	Sweeney, Michelle
APP	
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NO	REVISIONS
DRN	CHK
Item 17.	

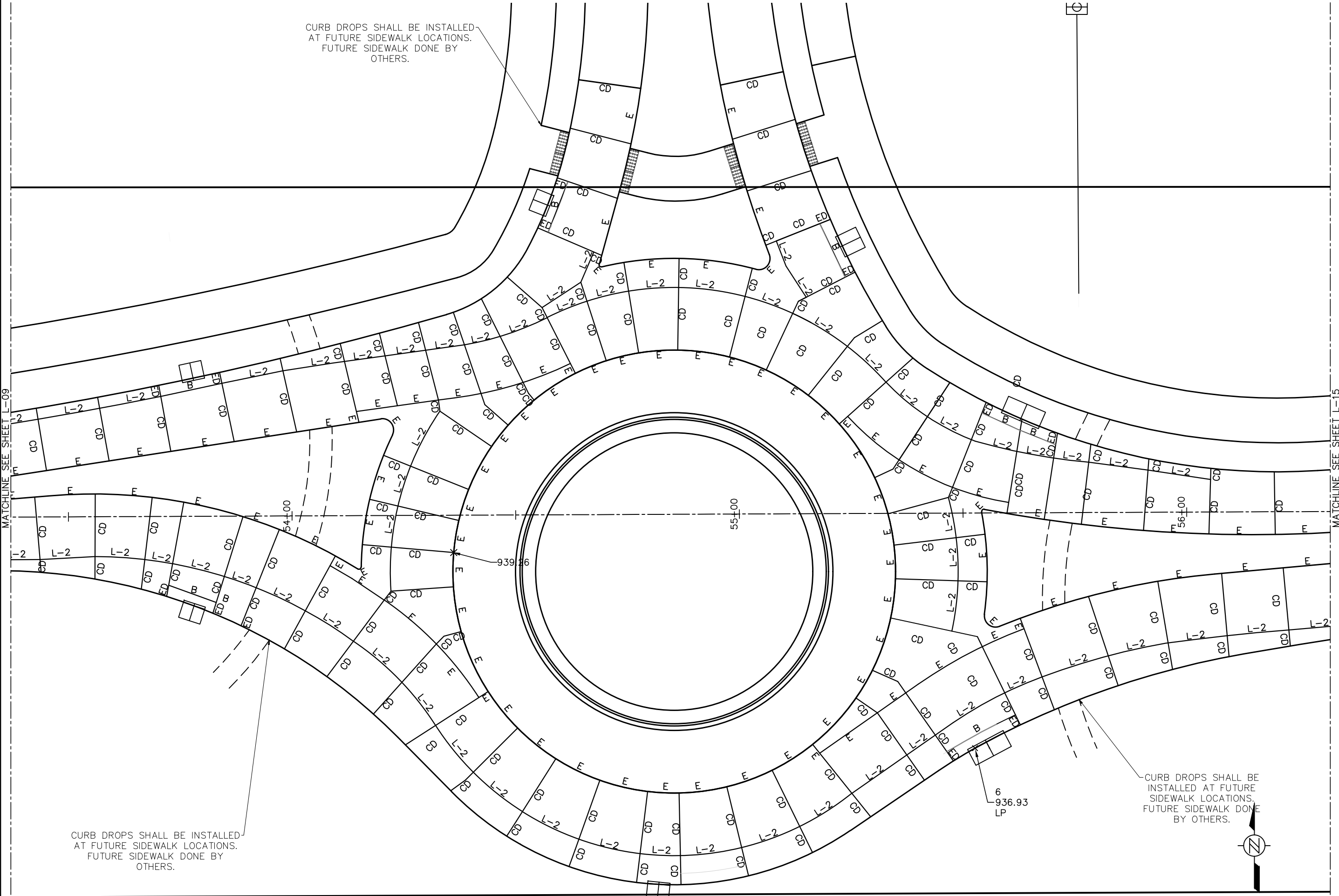
**AECOM**

WEST 27th STREET RECON  
RC-000-3240  
TITLE SHEET

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	217

PRINTED: 3/25/22

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CURB DROPS SHALL BE INSTALLED AT FUTURE SIDEWALK LOCATIONS. FUTURE SIDEWALK DONE BY OTHERS.

CURB DROPS SHALL BE INSTALLED AT FUTURE SIDEWALK LOCATIONS. FUTURE SIDEWALK DONE BY OTHERS.

CURB DROPS SHALL BE INSTALLED AT FUTURE SIDEWALK LOCATIONS. FUTURE SIDEWALK DONE BY OTHERS.

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DRN	Muller, Aaron	NO	REVISIONS
DES			
CHK	Sweeney, Michelle		
APP			
REC'D			

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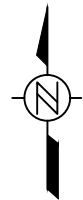
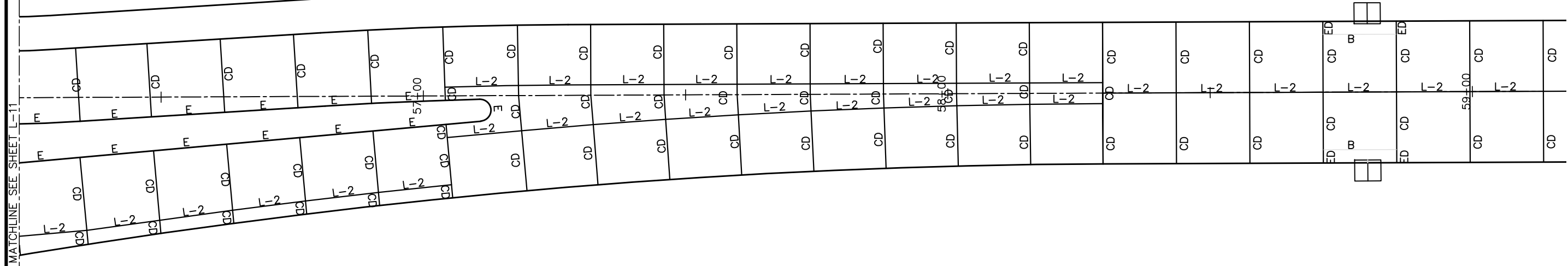
**AECOM**

WEST 27th STREET RECON  
RC-000-3240  
TITLE SHEET

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	218
DRAWING NO.	218







WEST 27th STREET RECON  
RC-000-3240

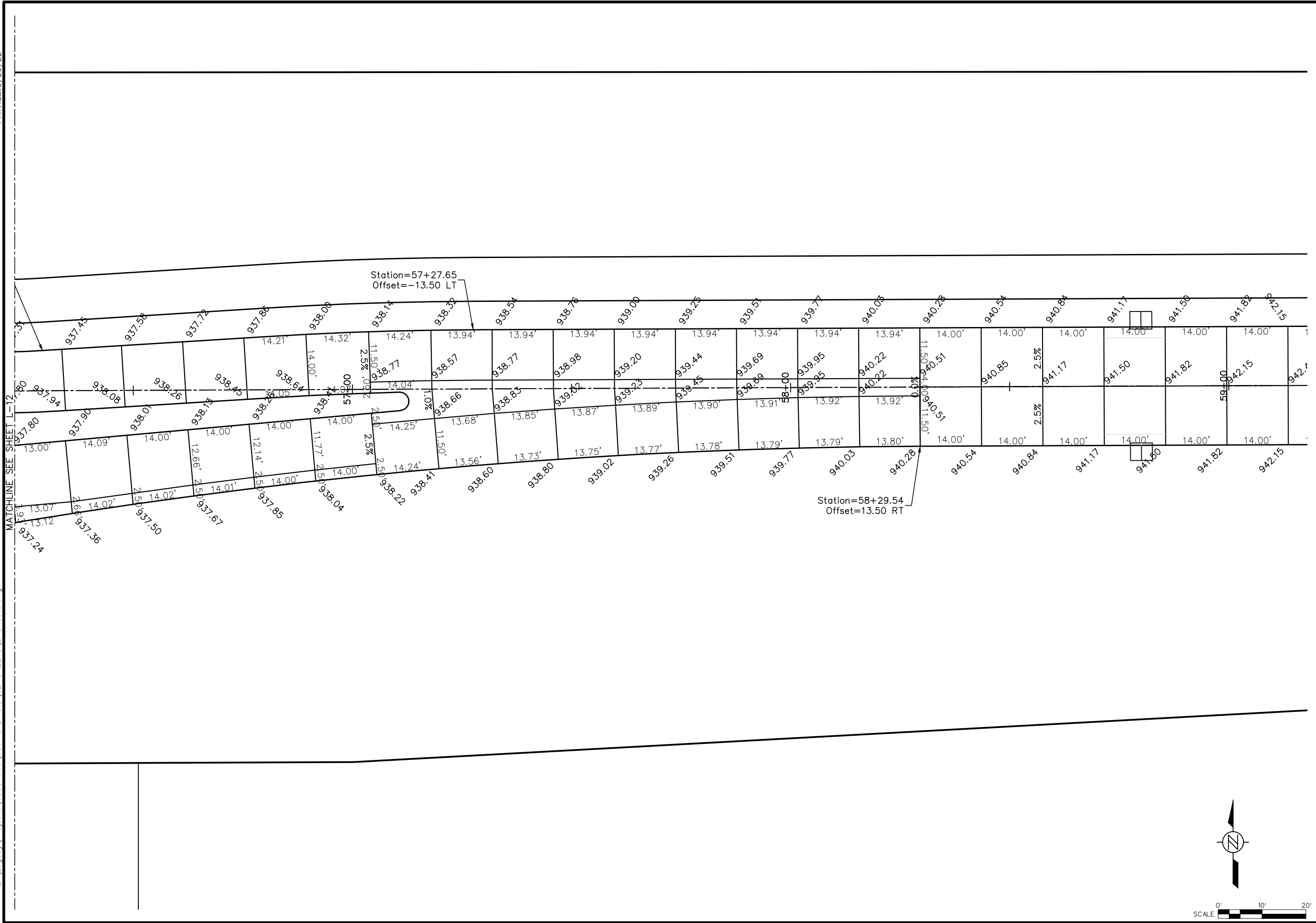
TITLE SHEET

DATE 3-25-2022  
PROJECT NO. 60637669  
MILESTONE FINAL PLANS  
SHEET NO.  
DRAWING NO. 220



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DES  
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NO	REVISIONS	DRN	CHK	DATE



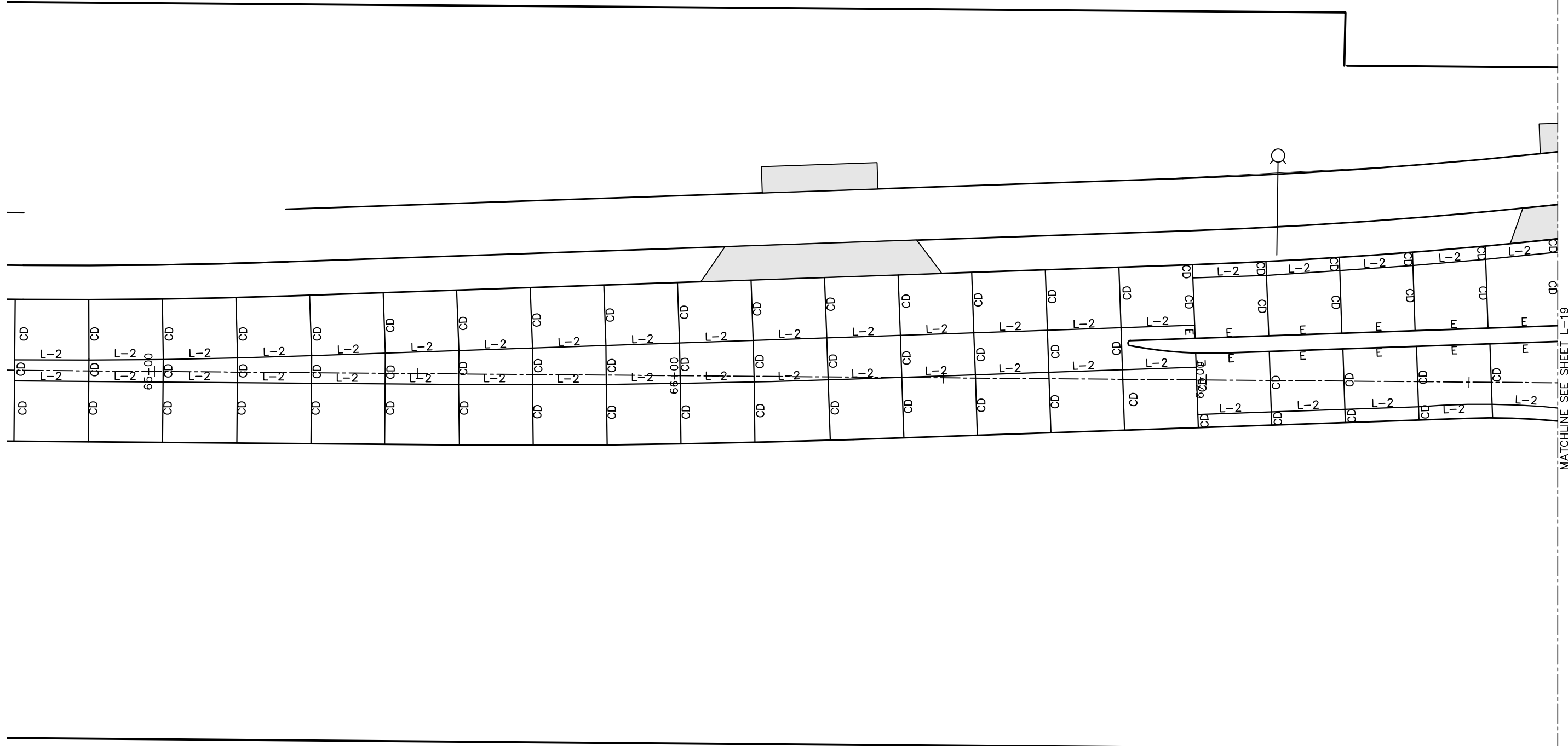
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RC-000-3240

TITLE SHEET

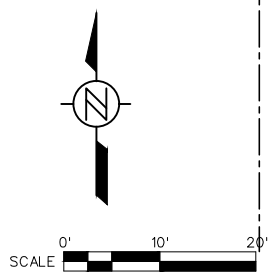
DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	221

DRN	Muller, Aaron	NO	REVISIONS
DES			
CHK	Sweeney, Michelle		
APP			
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Item 17.



MATCHLINE SEE SHEET L-19



<b>AECOM</b>		WEST 27th STREET RECON RC-000-3240 TITLE SHEET	DATE 3-25-2022
PROJECT NO. 60637669		MILESTONE FINAL PLANS	
SHEET NO. 222		DRAWING NO. 222	
DRN Mulier, Aaron	DES Sweeney, Michelle	CHK Sweeney, Michelle	APP
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REVISIONS		NO	DATE

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DRN CHK

REVISIONS

NO

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DRN  
Mulier, Aaron

DES  
Sweeney, Michelle

CHK  
Sweeney, Michelle

APP

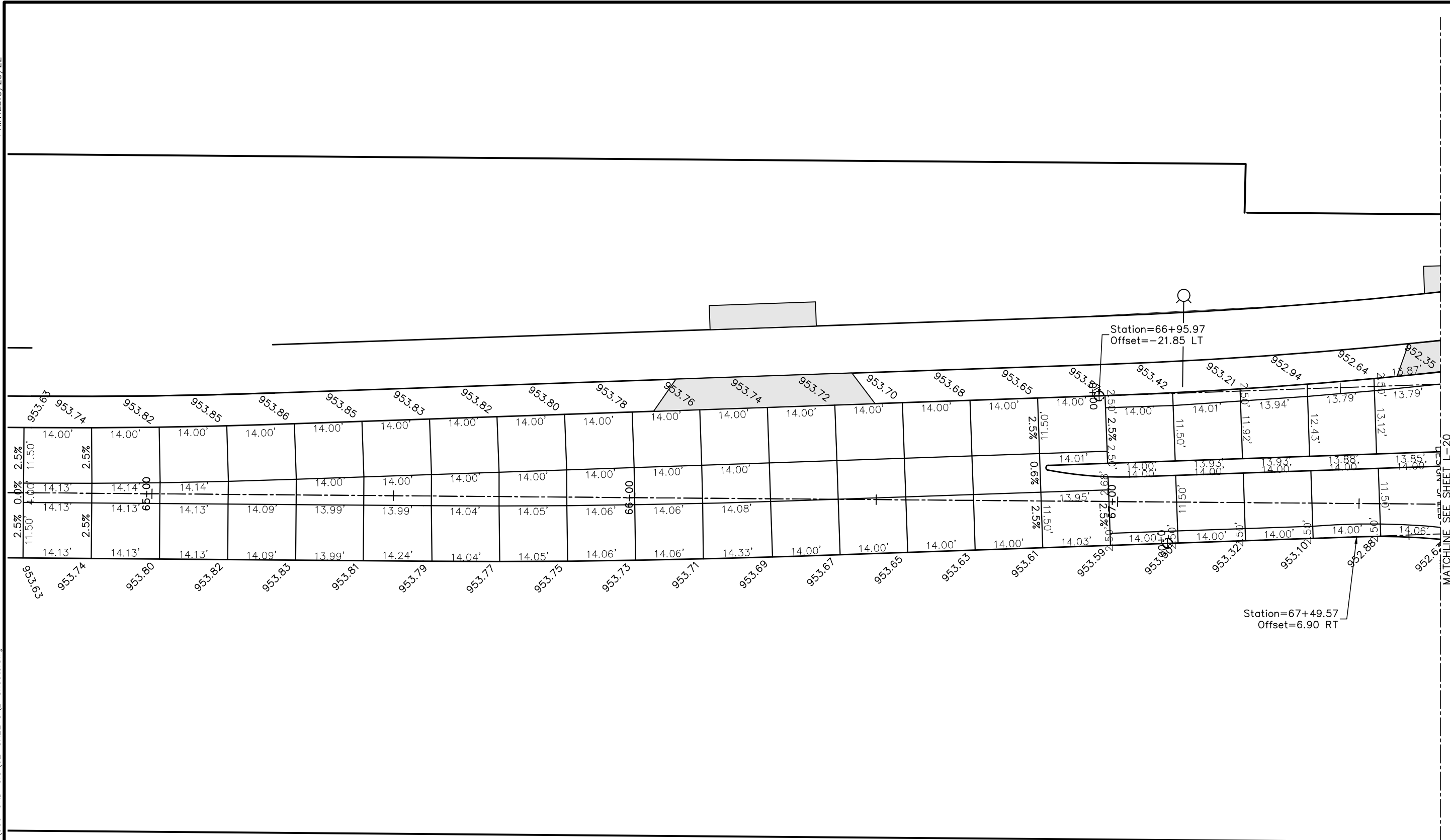
DATE  
3-25-2022

PROJECT NO.  
60637669

MILESTONE  
FINAL PLANS

SHEET NO.  
222

DRAWING NO.  
222

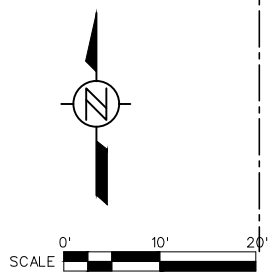


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RC-000-3240  
TITLE SHEET



DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	223

NO	REVISIONS	DRN	CHK	DATE





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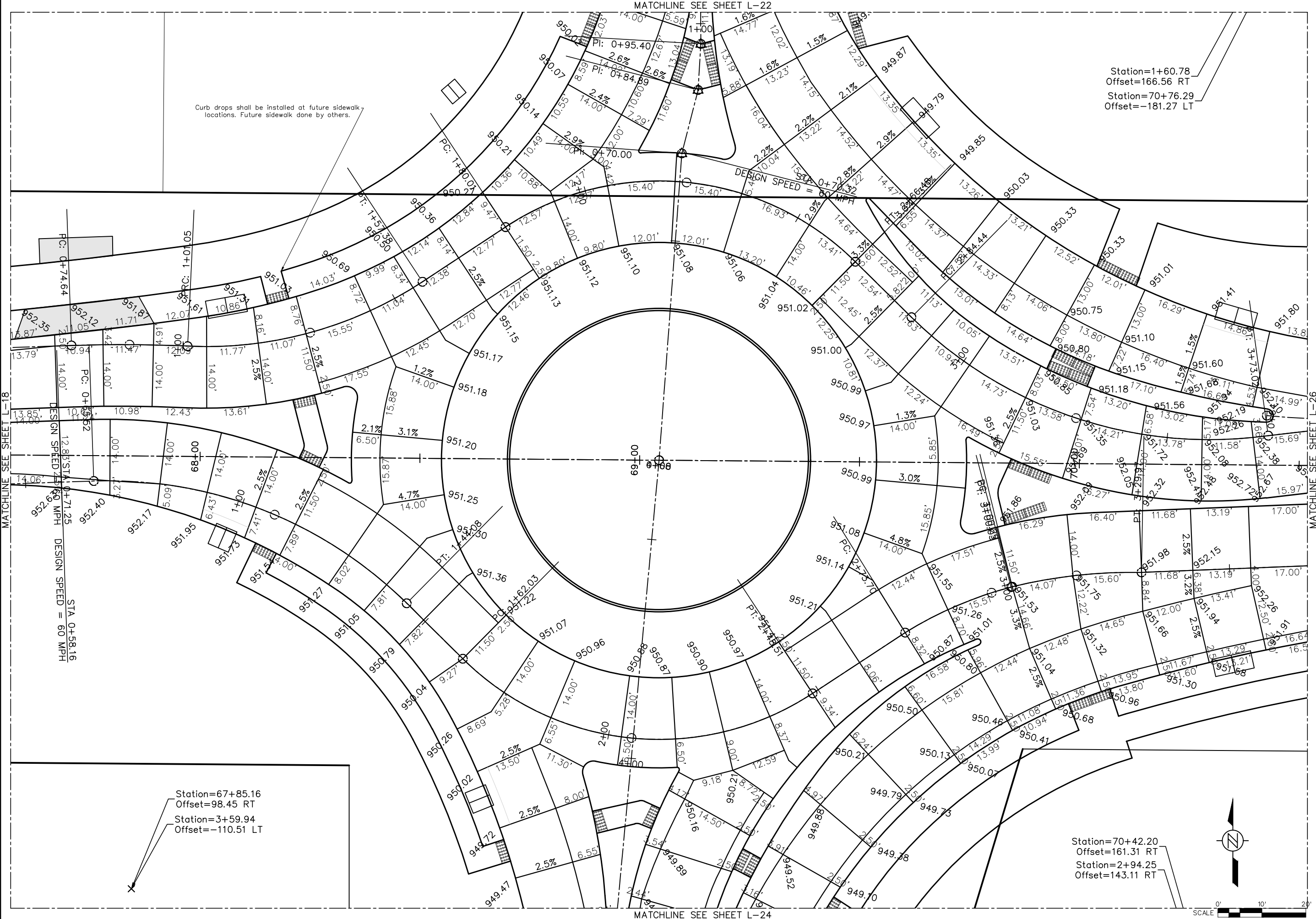
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MATCHLINE SEE SHEET L-22

MATCHLINE SEE SHEET L-24

Curb drops shall be installed at future sidewalk locations. Future sidewalk done by others.

Station=1+60.78  
Offset=166.56 RT  
Station=70+76.29  
Offset=-181.27 LT



Item 17.

NO	REVISIONS	DRN	CHK	APP	DATE
		Muller, Aaron	Sweeney, Michelle		
		DES	CHK	APP	

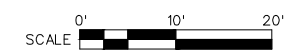
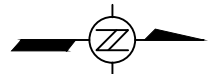
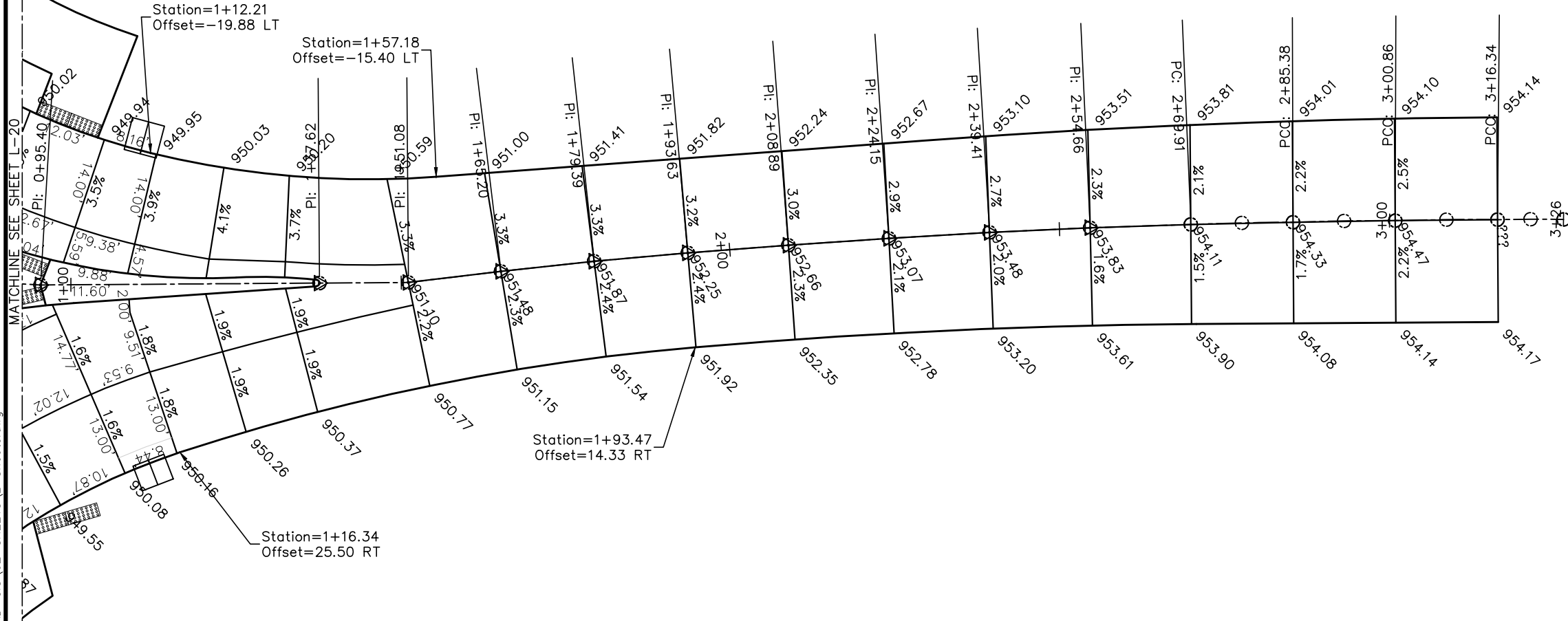


WEST 27th STREET RECON  
RC-000-3240  
TITLE SHEET

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	225



Stat Station=1+37.14  
ffse Offset=-118.78 LT



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 TITLE SHEET

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	227



DRN	Muller, Aaron
DES	
CHK	Sweeney, Michelle
APP	
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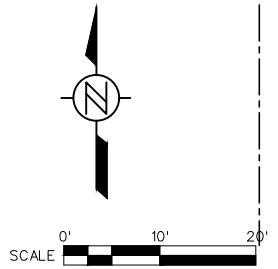
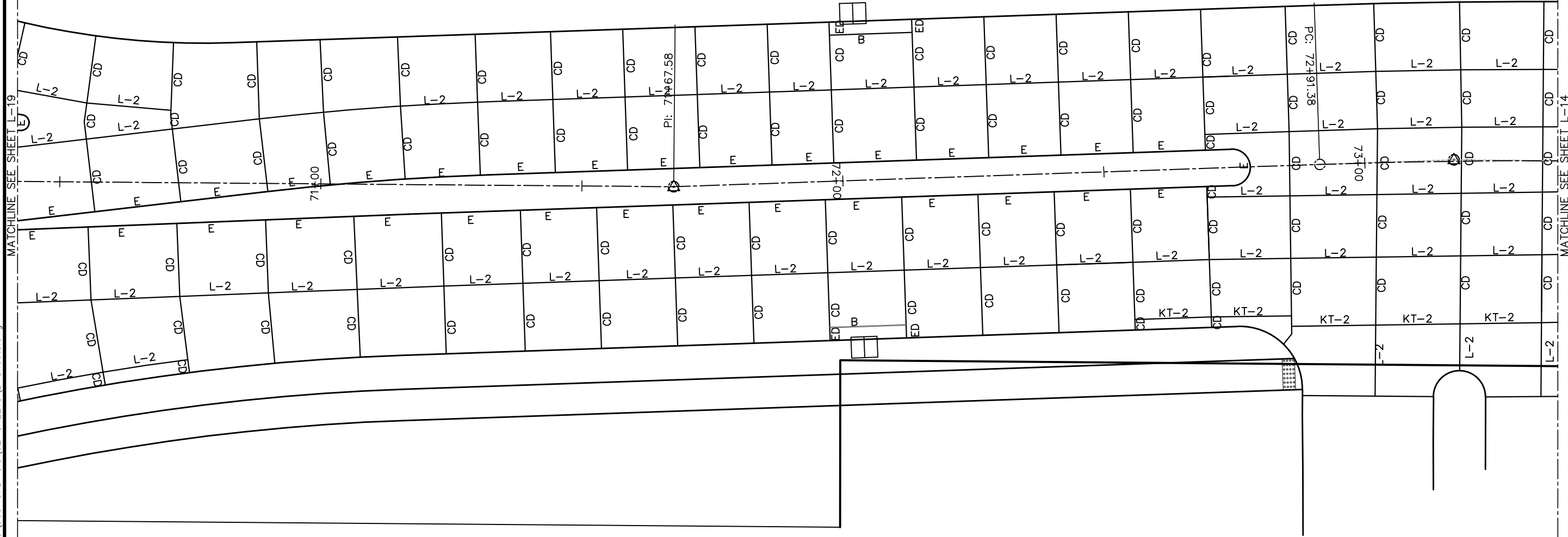
NO	
REVISIONS	
DRN	CHK

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DES		
CHK	Sweeney, Michelle	
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DRN	CHK	DATE
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TITLE SHEET

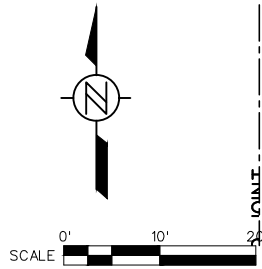
DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	230











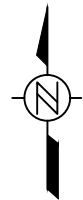
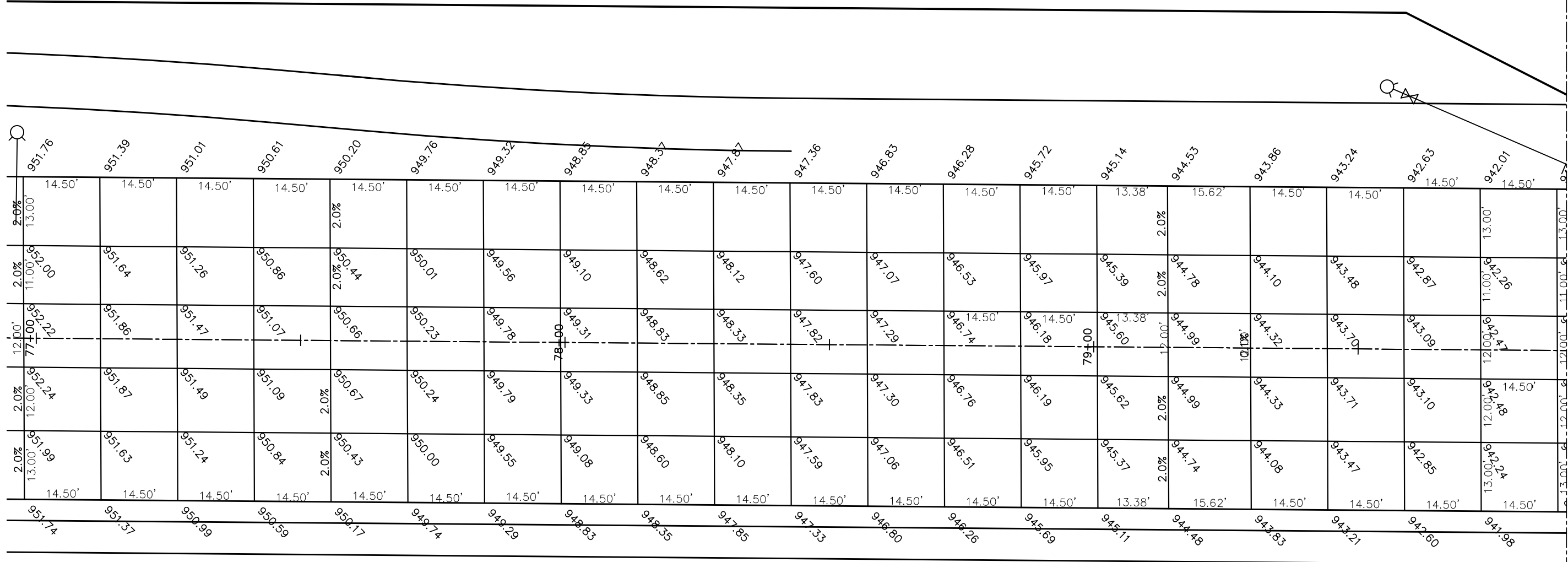
<p>Item 17.</p>		DATE
<p>DRN Muller, Aaron</p>	<p>NO</p>	DRN CHK
<p>DES</p>	<p>NO</p>	REVISIONS
<p>CHK Sweeney, Michelle</p>	<p>NO</p>	DATE
<p>APP</p>	<p>NO</p>	DRN CHK
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<p>WEST 27th STREET RECON RC-000-3240</p>	
<p>TITLE SHEET</p>	

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	234
DRAWING NO.	234

MATCHLINE SEE SHEET L-31

MATCHLINE



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DES	
CHK	Sweeney, Michelle
APP	
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REVISIONS	
DRN	CHK
DATE	Item 17.

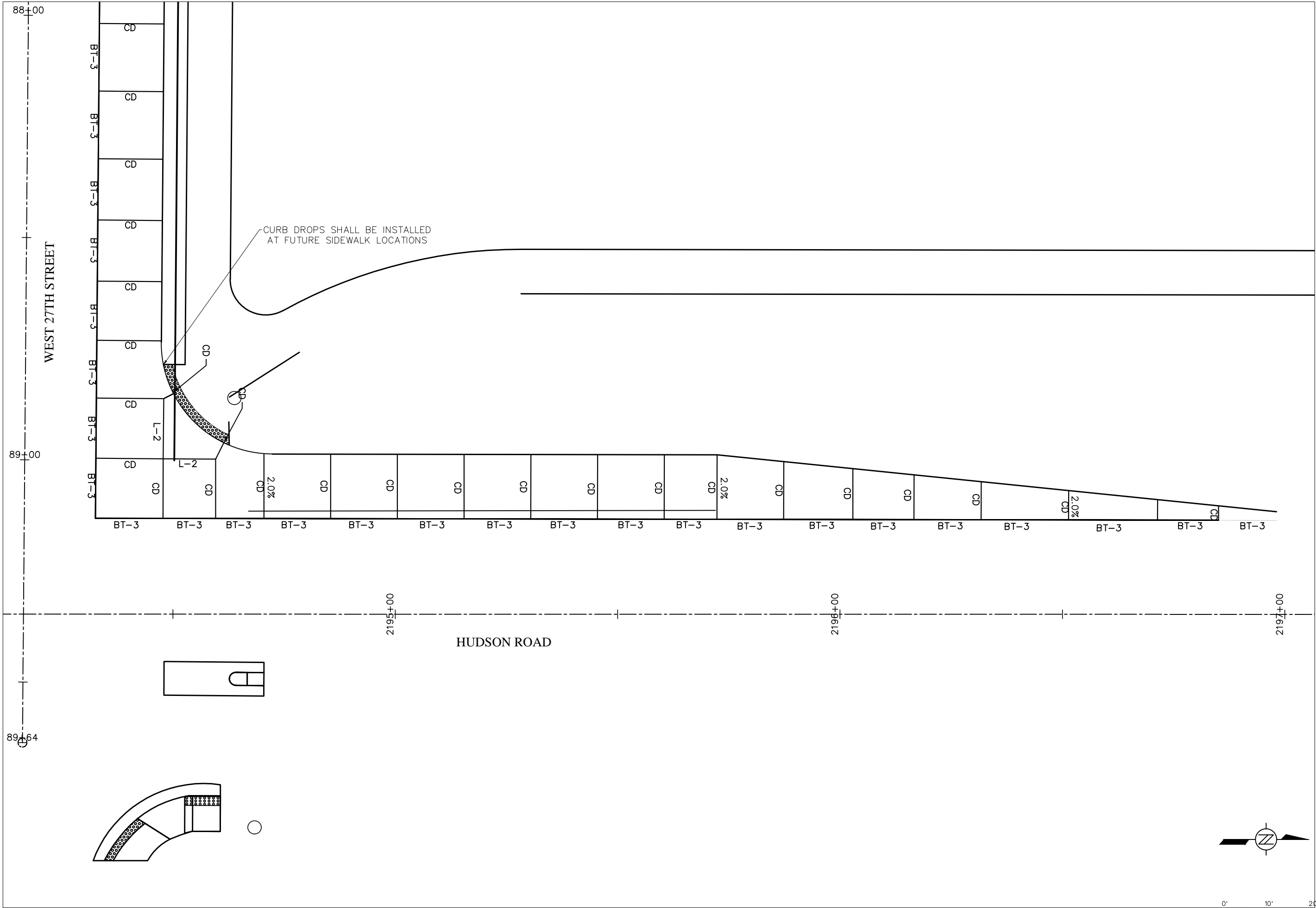
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WEST 27th STREET RECON  
RC-000-3240  
TITLE SHEET

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	235
DRAWING NO.	235







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DRN	Muller, Aaron	NO	REVISIONS	DRN	CHK
DES					
CHK	Sweeney, Michelle				
APP					
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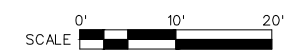
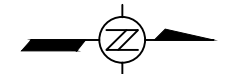
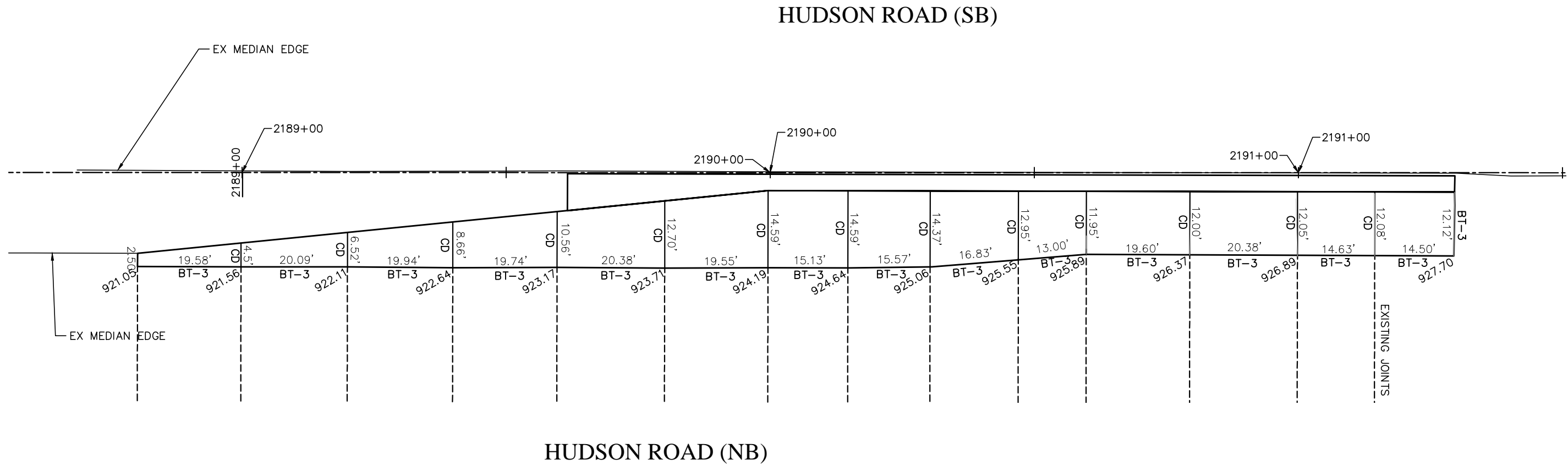
WEST 27th STREET RECON  
 RC-000-3240  
 TITLE SHEET

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	238
DRAWING NO.	238









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DES		
CHK	Sweeney, Michelle	
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DATE		

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DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	241
DRAWING NO.	241

① Diameter or equivalent diameter

\* Bid Item

\*\* For SW-545

### STORM SEWER

INTAKES AND UTILITY ACCESSES							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 estimated length to center of structures.												
No.	Location Station and Offset	*Type or Standard Road Plan	Form	Bottom	Extensi	Notes	Line Number	Intake/Utility Access No.		Class 'D'	Pipe Size ①	Bid* Length	Design Length	Slope %	Connected Pipe Joint (DR-121)	Flow Lines			Notes
			Elev.	Elev.	on Length* FT			From	To							Inlet Elevation	Outlet Elevation	Other Elevation	
<b>Pat Mitchell Way System</b>																			
I-101	48+46.00', -39.44'	SW-513	941.00	936.50		PH 3	P-101	I-101	I-102		15	32	27.9	1.00		937.00	936.72		PH 3
I-102	48+49.00', -7.22'	SW-507	943.06	936.12		PH 3	P-102	I-102	I-103		15	43	38.2	1.00		936.62	936.24		PH 3
I-103	48+47.00', 30.97'	SW-507	943.00	935.64		PH 3	P-103	I-103	UA-104		15	52	47.6	1.00		936.14	935.66		PH 3
UA104	48+00.00, 52.50	SW-401	942.69	935.06		PH 3	P-104	UA104	I-105		15	59	54.4	1.00		935.56	935.02		PH 3
I-105	47+55.00', 90.67'	SW-507	940.86	934.27		PH 3	P-105	I-105	I-106		15	180	175.7	1.00		934.77	933.01		PH 3
I-106	45+92.00', 18.53'	SW-508	937.98	932.16		PH 3	P-106	I-106	I-108		15	140	135.9	2.50		932.66	929.26		PH 3
I-107	45+95.00', -17.16'	SW-507	937.93	933.43		PH 3	P-107	I-107	I-106		15	40	35.8	1.00		933.93	933.57		PH 3
I-108	44+50.00', 17.30'	SW-509	933.96	928.51		PH 3	P-108	I-108	I-110		15	110	103.3	3.00		929.01	925.92		PH 3
I-109	44+50.00', -13.50'	SW-509	933.98	929.48		PH 3	P-109	I-109	I-108		15	35	30.8	1.00		929.98	929.67		PH 3
I-110	43+40.75', 13.50'	SW-507	932.10	924.42		PH 3	P-110	I-110	OUT-112		18	32	30.0	1.00	2	924.92	924.62		PH 3
I-111	43+40.75', -13.50'	SW-507	932.05	926.55		PH 3	P-111	I-111	I-110		15	31	27.0	2.00		927.05	926.51		PH 3
<b>Tiger Parkway System</b>																			
I-201	64+50.00, -40.00	SW-513	950.38	946.38		PH 2	P-201	I-201	I-202		15	31	26.4	0.50		946.88	946.75		PH 2
I-202	64+65.00, -13.50	SW-507	953.55	946.15		PH 2	P-202	I-202	I-203		15	31	27.0	0.80		946.65	946.43		PH 2
I-203	64+65.00, 13.50	SW-507	953.55	945.83		PH 2	P-203	I-203	I-204		15	180	175.8	1.00		946.33	944.57		PH 2
I-204	62+85.00, 13.50	SW-507	950.69	943.97		PH 2	P-204	I-204	I-206		15	196	192.0	1.50		944.47	941.59		PH 2
I-205	62+85.00, -13.50	SW-509	950.69	945.19		PH 2	P-205	I-205	I-204		15	31	27.0	1.00		945.69	945.42		PH 2
I-206	60+89.00, 13.50	SW-507	946.15	940.84		PH 2	P-206	I-206	I-208		15	209	205.0	2.25		941.34	936.73		PH 2/PH 3
I-207	60+89.00, -13.50	SW-509	946.15	941.65		PH 3	P-207	I-207	I-206		15	31	27.0	1.00		942.15	941.88		PH 3
I-208	58+80.00, 13.50	SW-507	941.30	935.98		PH 3	P-208	I-208	UA-210		15	121	116.5	2.00		936.48	934.15		PH 3
I-209	58+80.00, -13.50	SW-507	941.30	936.80		PH 3	P-209	I-209	I-208		15	31	27.0	1.00		937.30	937.03		PH 3
UA210	57+59.00, 20.50	SW-401	939.39	933.15		PH 3	P-210	UA-210	I-224		18	206	202.0	2.00		933.65	929.61		PH 3, Ex. 6" & 12" Gas
I-212	55+23.26, -59.82	SW-508	936.98	931.71		PH 3	P-212	I-212	I-213		15	53	48.5	1.50		932.21	931.48		PH 3
I-213	55+63.00, -21.00	SW-510	937.02	928.78		PH 3	P-213	I-213	I-224		36	77	72.7	2.00		929.28	927.82		PH 3
I-215	55+76.00, -46.50	SW-513	937.00	929.50		PH 3, 27"x44" RCAP Est. N FL 930.33(Op. All Sides)	P-215	I-215	I-213		36	27	22.7	2.75		930.00	929.38		PH 3
I-216	54+57.90, -69.2	SW-508	937.46	933.16		PH 3	P-216	I-216	UA-217		15	35	30.8	0.75		933.66	933.43		PH 3
UA217	54+30.00, -47.00	SW-401	938.67	932.83		PH 3	P-217	UA-217	I-218		15	55	50.3	0.75		933.33	932.95		PH 3
I-218	53+78.00, -30.88	SW-508	939.33	932.35		PH 3	P-218	I-218	I-220		15	55	50.9	0.75		932.85	932.47		PH 3
I-219	53+73.00, -61.50	SW-513	937.96	932.96		PH 3	P-219	I-219	I-218		15	31	26.5	1.00		933.46	933.20		PH 3
I-220	53+78.00, 19.54	SW-508	938.94	931.87		PH 3	P-220	I-220	I-223		15	122	117.9	1.00		932.37	931.19		PH 3, Ex. 6" & 12" Gas
I-221	51+50.00, -13.50	SW-507	943.50	938.50		PH 3	P-221	I-221	I-222		15	31	27.0	1.00		939.00	938.73		PH 3
I-222	51+50.00, 13.50	SW-507	943.50	938.13		PH 3	P-222	I-222	I-220		15	228	223.2	2.00		938.63	934.17		PH 3
I-223	54+81.64, 82.70	SW-508	937.28	930.59		PH 3	P-223	I-223	I-224		15	80	75.2	1.00		931.09	930.34		PH 3, Ex. 6" & 12" Gas
I-224	55+55.00, 51.17	SW-510	936.85	927.00		PH 3, Ex. 12" Gas	P-224	I-224	OUT-225		36	44	40.0	1.00	2	927.50	927.10		PH 3, Ex. 6" & 12" Gas
<b>Greenhill Road System</b>																			
I-301	68+92.65, -109.83	SW-508	949.94	944.94		PH 2	P-301	I-301	I-302		15	44	40.0	1.00		945.44	945.04		PH 2
I-302	68+57.00, -83.50	SW-513	950.24	944.44		PH 2, Open NW, E, W	P-302	I-302	I-303		18	73	68.4	1.00		944.94	944.26		PH 2
I-303	68+06.00, -32.73	SW-509	951.47	943.51		PH 2	P-303	I-303	I-304		18	54	49.3	0.70		944.01	943.66		PH 2, Ex. 12" Gas
I-304	68+06.00, 16.60	SW-508	951.83	943.11		PH 2	P-304	I-304	I-305		18	84	79.5	0.70		943.61	943.05		PH 2, Ex. 12" Gas
I-305	68+66.00, 76.6	SW-508	950.43	942.50		PH 2	P-305	I-305	I-306		18	88	83.2	0.70		943.00	942.42		PH 2
I-306	68+83.44, 164.89	SW-509	947.74	941.87		PH 2	P-306	I-306	I-307		18	42	37.7	0.70		942.37	942.11		PH 2
I-307	69+21.17, 163.26	SW-510	947.25	941.51		PH 2	P-307	I-307	OUT-316		24	36	34.0	0.50	2	942.01	941.84		PH 2
I-308	69+40.00, -111.50	SW-507	950.11	945.86		PH 2	P-308	I-308	I-309		15	39	34.2	0.70		946.36	946.12		PH 2
I-309	69+62.00, -77.30	SW-509	949.78	945.42		PH 2	P-309	I-309	I-311		18	81	77.0	0.70		945.92	945.38		PH 2
I-310	69+95.00, -83.00	SW-513	949.97	945.72		PH 2, Open N, E, S	P-310	I-310	I-309		18	33	28.8	0.70		946.22	946.02		PH 2
I-311	70+35.00, -32.30	SW-509	951.57	944.78		PH 2, Ex. 12" Gas	P-311	I-311	I-312		18	80	76.0	0.70		945.28	944.75		PH 2, Ex. 12" Gas
I-312	70+35.00, 43.77	SW-510	951.36	944.15		PH 2	P-312	I-312	UA-315		18	64	59.8	0.70		944.65	944.23		PH 2
I-313	72+03.00, -30.50	SW-507	954.27	949.50		PH 2, Ex. 12" Gas	P-313	I-313	I-314		15	65	61.0	0.80		950.00	949.51		PH 2, Ex. 12" Gas
I-314	72+03.00, 30.50	SW-507	954.27	948.91		PH 2, Ex. 12" Gas	P-314	I-314	I-312		15	168	164.0	2.50		949.41	945.31		PH 2, Ex. 12" Gas
UA315	69+75.00, -71.35	SW-401	950.16	943.23		PH 2	P-315	UA-315	I-307		18	105	100.3	0.75		943.73	942.98		PH 2
<b>Panther Parkway System</b>																			
I-401	76+75.00, 30.50	SW-509	952.28	946.28		PH 1, Ex. 12" Gas	P-401	I-401	I-402		15	66	61.0	1.00		947.09	946.45		PH 1
I-402	76+75.00, -30.50	SW-509	952.28	945.50		PH 1	P-402	I-402	I-403		15	384	379.4	3.60		945.00	931.12		PH 1, Ex. 12" Gas

### STORM SEWER

① Diameter or equivalent diameter  
\* Bid Item  
\*\* For SW-545

INTAKES AND UTILITY ACCESSES						PIPES													
						Design Length, Slope, and Flowlines are calculated from inside wall to inside wall along CL of pipe. An additional 3 ft length is added to each side of the Design Length to account for estimated length to center of structures.													
No.	Location Station and Offset	*Type or Standard Road Plan	Form Grade	Bottom Well	Extensi on Length*	Notes	Line Number	Intake/ Utility Access No.		Class 'D'	Pipe Size	Bid* Length	Design Length	Slope %	Connected Pipe Joint (DR-121)	Flow Lines			Notes
			Elev.	Elev.	FT			From	To							IN	FT	FT	
I-403	80+60.62, -30.50	SW-545	938.32	929.50		PH 1, 30" RCP NW FL 930.13	P-403	I-403	UA405		30	110	105.4	1.40		930.00	928.45		PH 1
I-404	80+61.00, 30.50	SW-545	938.30	932.80		PH 1	P-404	I-404	I-403		15	65	61.0	1.00		933.30	932.69		PH 1, Ex. 12" Gas
UA405	81+71.00, -34.00	SW-401	935.09	927.82		PH 1, 15" RCP NW FL 930.31	P-405	UA405	I-406		30	220	215.3	1.65		928.32	924.78		PH 1
I-406	83+92.25, -30.50	SW-510	930.18	924.05		PH 1	P-406	I-406	ExPipe		37x23	17	15.0	0.70		924.55	924.45		PH 1, Conn. to Ex.37x23 Est.FL 924.5
I-407	86+95.00, -54.00	SW-513	932.68	926.60		PH 2, Open All Sides	P-407	I-407	I-408		18	24	19.5	0.50		927.10	927.00		PH 2
I-408	87+00.00, -30.50	SW-507	932.93	926.40		PH 2	P-408	I-408	I-409		18	248	244.0	0.62		926.90	925.39		PH1/PH2
I-409	84+50.00, -30.50	SW-509	930.14	924.58		PH 1	P-409	I-409	I-406		18	54	49.8	0.60		925.08	924.78		PH 1
I-410	80+80.98, -53.93	SW-513	930.15	924.38		PH 1, 15" RCP W FL 925.17, 30" RCP NW FL 925.17	P-410	I-410	I-406		30	25	20.9	0.90		924.88	924.69		PH 1
						Open on All Sides													
Total:																			
SW-401						TOTAL (LF)													
SW-507																			
SW-508																			
SW-509																			
SW-510																			
SW-513																			
SW-545																			
36" Apron																			
24" Apron																			
18" Apron																			

**Storm Sewer Construction General Notes:**

- 1.) All Storm Sewer Structure tops (Intakes and Utility Accesses) shall be poured after paving is completed. Intake and Utility Access tops behind the back of curb shall match the same slope as the existing/proposed grading in that area. Concrete Fillets shall also be installed in all storm sewer structures unless otherwise noted.
- 2.) Storm Sewer Utility Access Structure Form Grade elevations and locations are shown based on the center of the structure unless otherwise noted. Utility Accesses casting locations shall be placed to match pavement jointing patterns. Storm Sewer Utility Access Structure sizes vary as described in the standard road plans and storm sewer details. Price bid shall include all materials, equipment and labor required to construct the UA according to these details.
- 3.) Existing Storm Sewer Pipe Type, Size and Elevations are estimated based on Field Survey and shall be verified by the Contractor prior to Construction or Fabrication of Storm Structures and pipe installation. Existing utility crossing elevations are estimated and shall be verified by the Contractor prior to construction.
- 4.) All Storm Sewer Joints Crossing Water Main shall be gasketed and wrapped according to SUDAS Section 4020. Storm sewer pipes crossing existing/proposed utilities shall be centered between pipe end joints on that crossing.
- 5.) Existing storm sewer drainage shall be maintained during construction, if existing drainage patterns are interrupted a plan must be in place to provide temporary drainage if needed. This may include temporary pumping or ditching which should be considered incidental to storm sewer installation.
- 6.) Dewatering and temporary pumping required during construction is the responsibility of the contractor and shall be considered Incidental to storm sewer installation.
- 7.) All new holes for connection to existing structures and patching of existing holes required in removal of existing pipes shall be considered incidental to storm sewer construction and will not be paid for separately.
- 8.) Class 1 bedding material, per SUDAS Specification Section 3010.2.02A, shall be considered incidental to pipe, intake and utility access construction and shall be placed according to SUDAS Details SW-101 and SW-102, Class R-2 for all Reinforced Concrete Pipe, R-5 for Reinforced Concrete Arch Pipe and F-3 for HDPE Pipe.
- 9.) Pipe supports per SUDAS detail 3010.901 shall be used for any utility crossings when clearance between the bottom of the new sewer and top of the existing line is 12 inches or less. Pipe supports shall be considered incidental to storm sewer construction.
- 10.) The last 3 joints of each pipe outlet (including Apron) shall be connected according to Iowa DOT Standard Road Plan DR-121, Type 2 connection. These connections shall be considered incidental to storm sewer construction.
- 11.) Apron footings per SUDAS 4030.221 shall be installed at each Apron Outlet and shall be considered incidental to Apron installation.
- 12.) Connect to existing concrete storm sewer pipe according to SUDAS SW-211. Use Schedule 40 PVC fittings for connecting to existing PVC piping. Connections to existing storm sewer piping shall be considered incidental to storm sewer construction and will not be paid for separately.
- 13.) Connection of existing Storm Sewer Pipe(s) to proposed structure(s) shall be considered incidental to storm sewer and will not be paid for separately. The connection should be completed according to SUDAS Specifications.

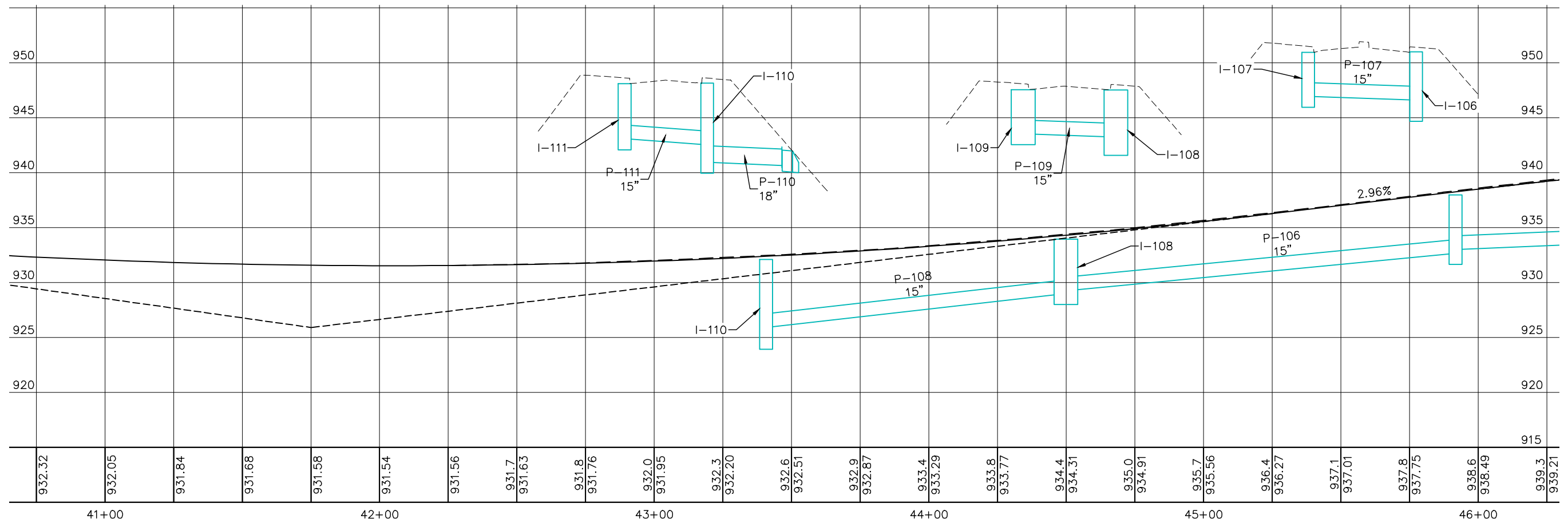
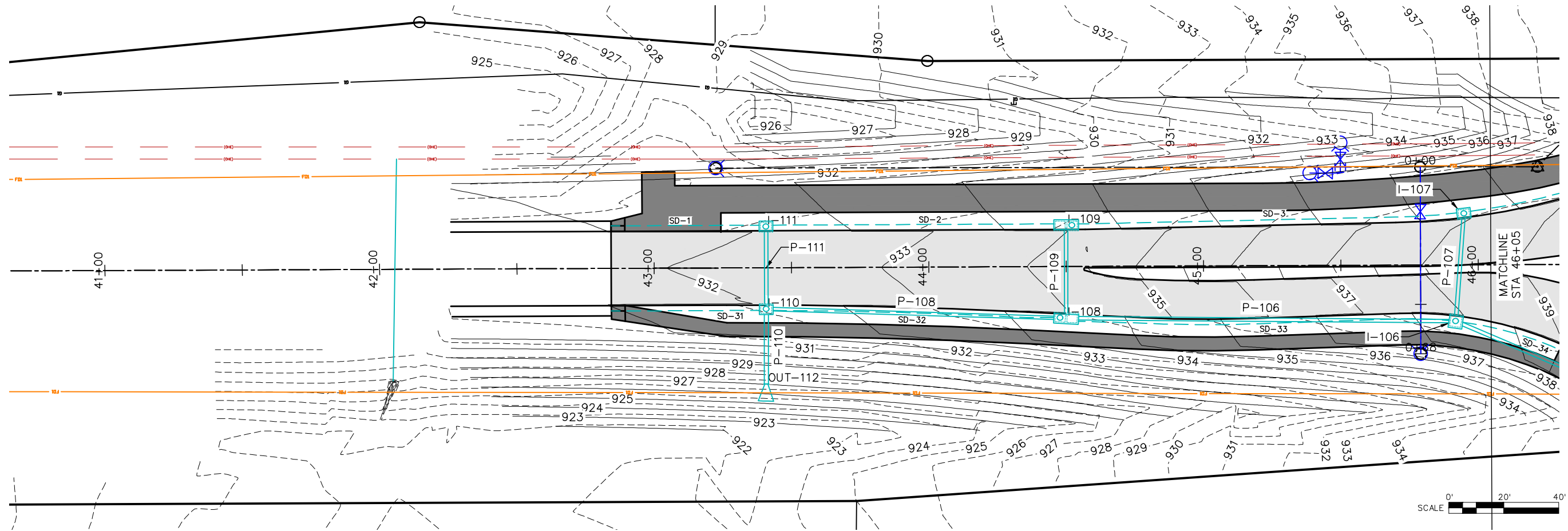
**Storm Sewer Staging Notes:**

Estimated phases for storm sewer construction are noted above and shall coordinate with the J-Sheets. Storm sewer drainage shall be maintained during project construction. The contractor is responsible for maintaining adequate drainage systems as construction progresses for each stage. This may require temporary connections during construction depending on the contractor's means and methods. These temporary connections shall be considered incidental to storm sewer construction and will not be paid for separately.

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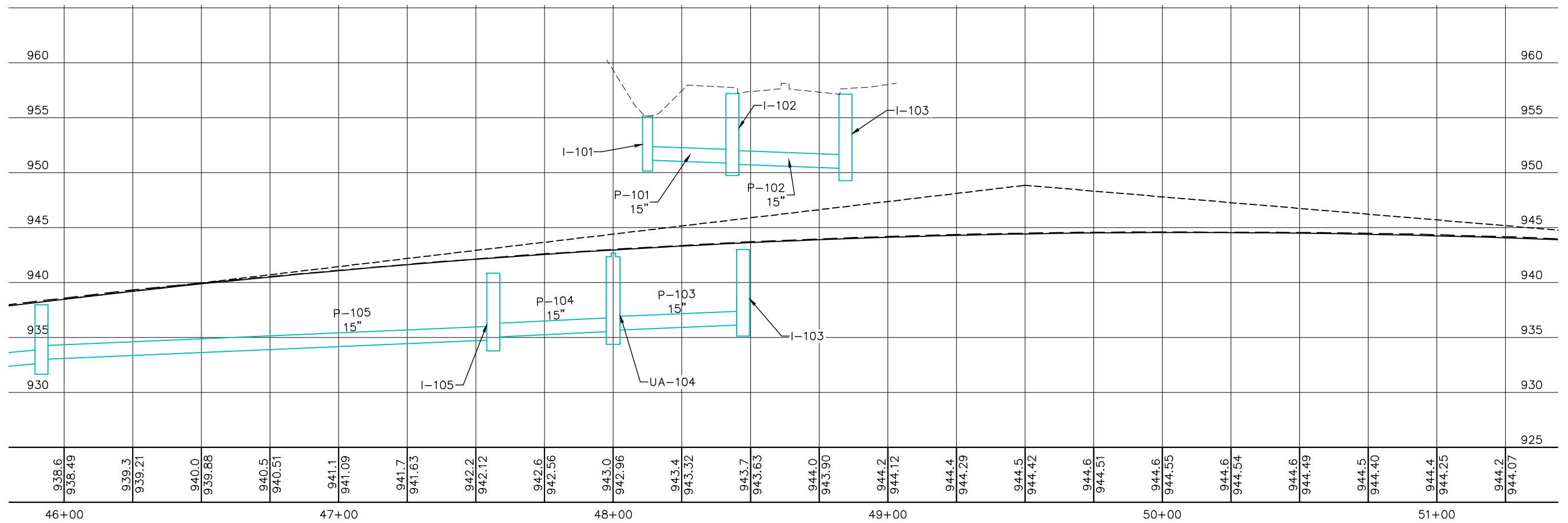
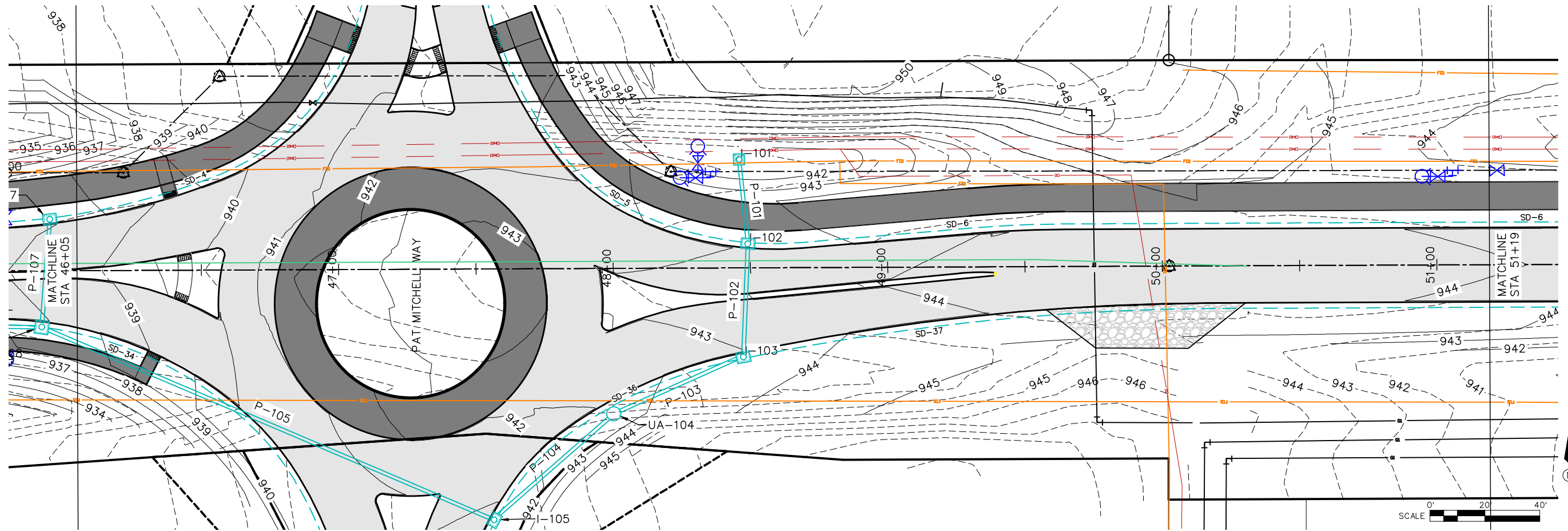
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CHK	Sweeney, Michelle
APP	

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WEST 27th STREET RECON  
RC-000-3240  
STORM SEWER

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	244

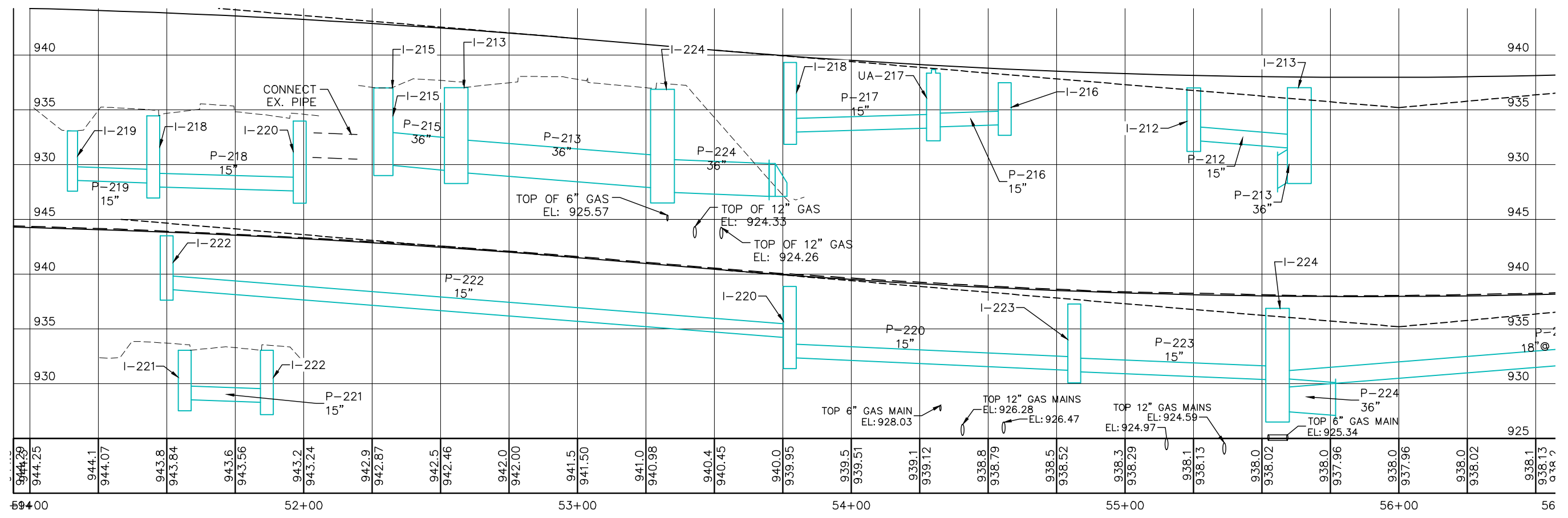
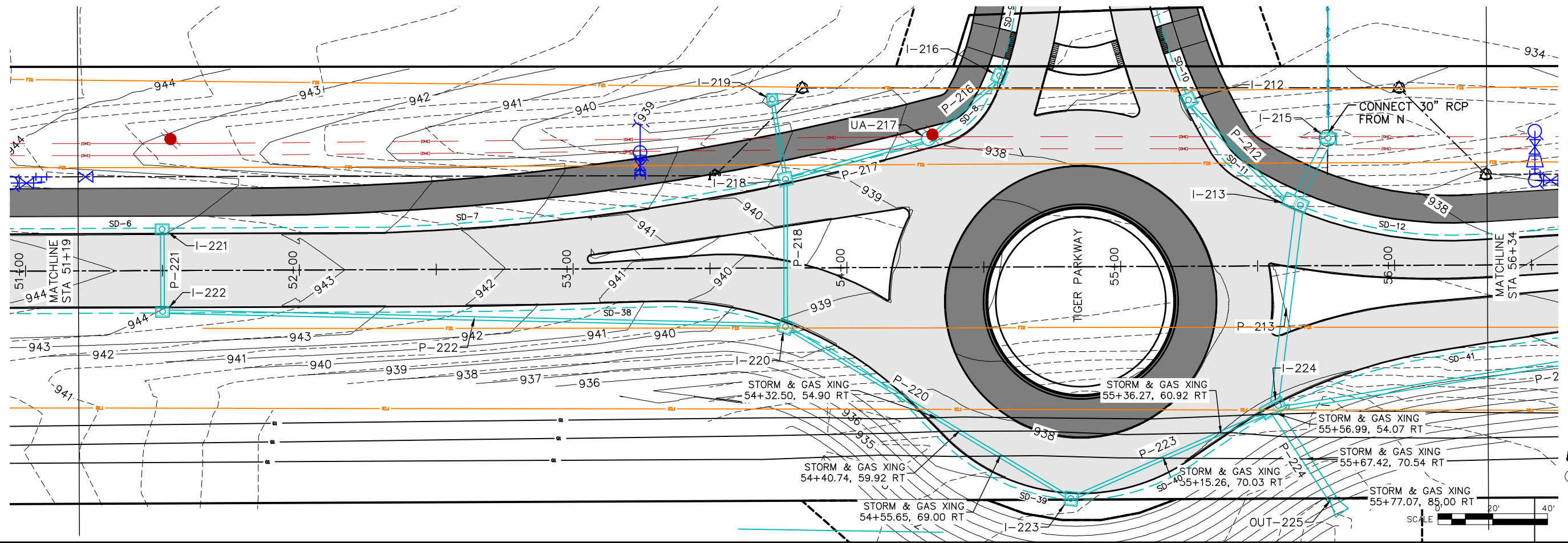


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WEST 27th STREET RECON  
RC-000-3240  
STORM SEWER

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	245



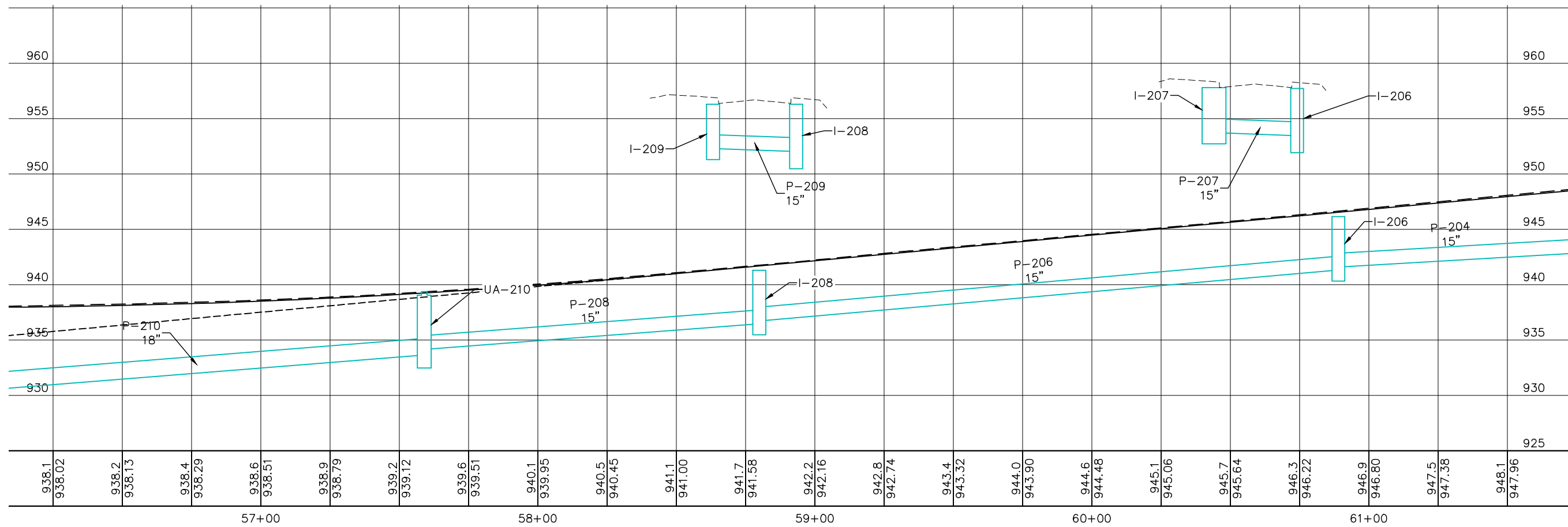
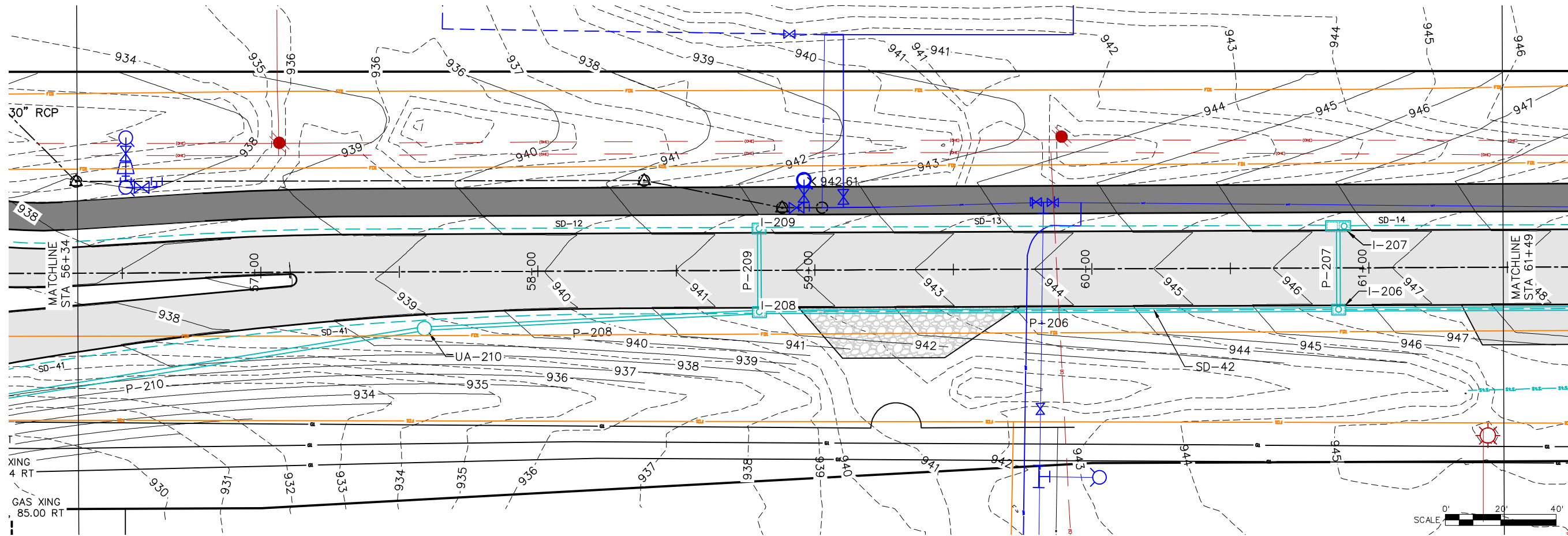
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CHK	Sweeney, Michelle
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WEST 27th STREET RECON  
RC-000-3240  
STORM SEWER

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	246

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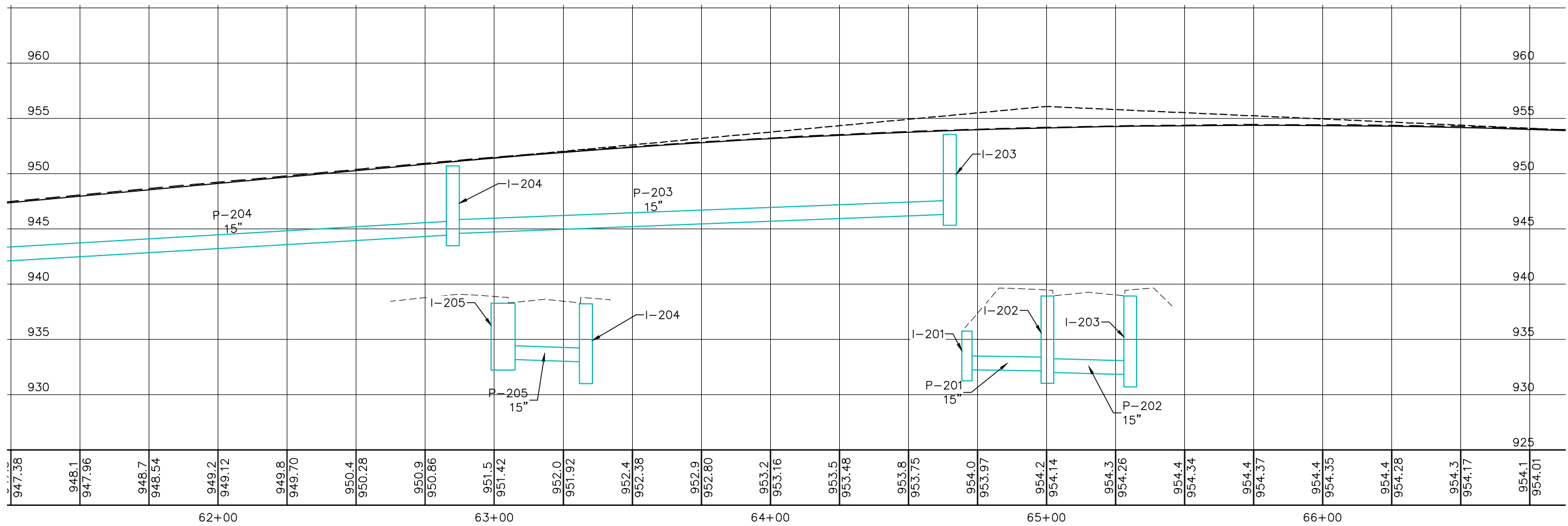
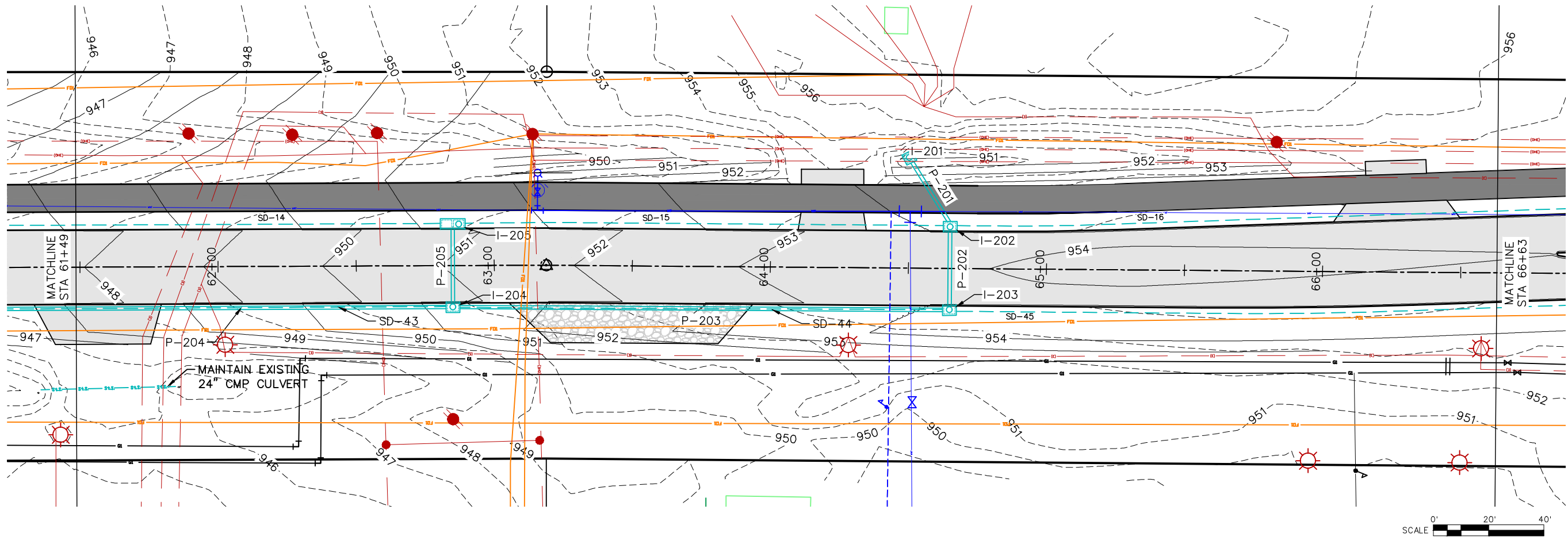


WEST 27th STREET RECON  
RC-000-3240  
TITLE SHEET

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	247



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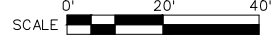
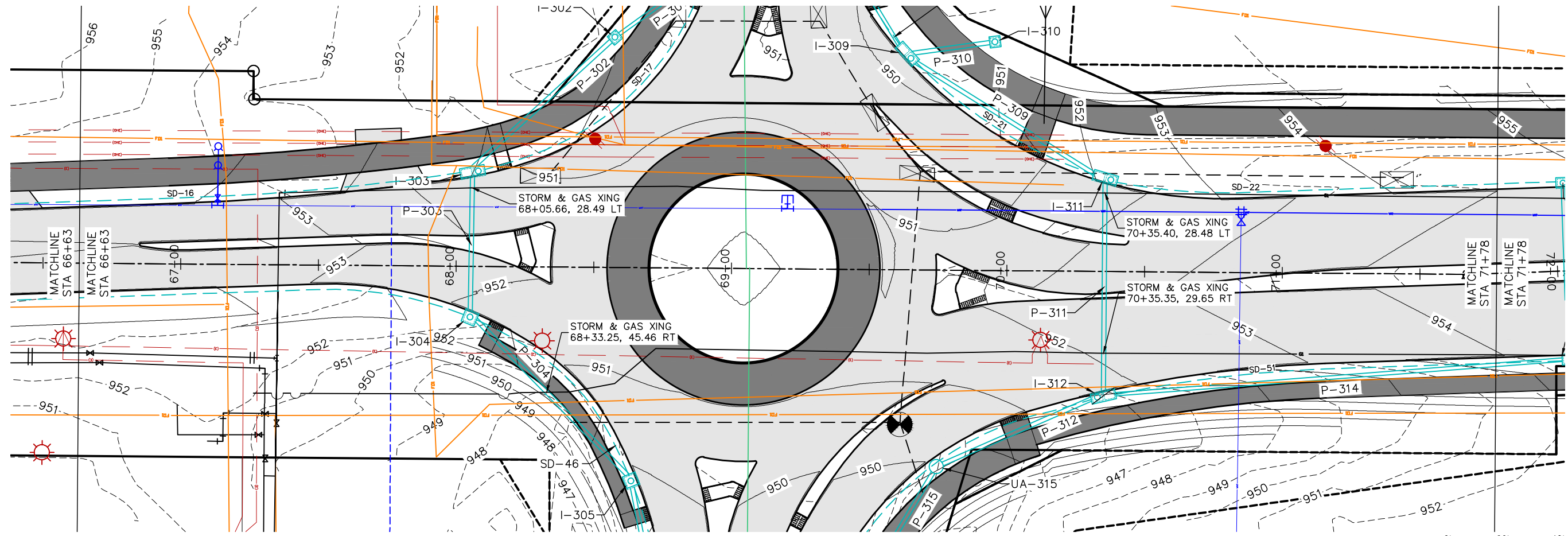


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RC-000-3240  
STORM SEWER

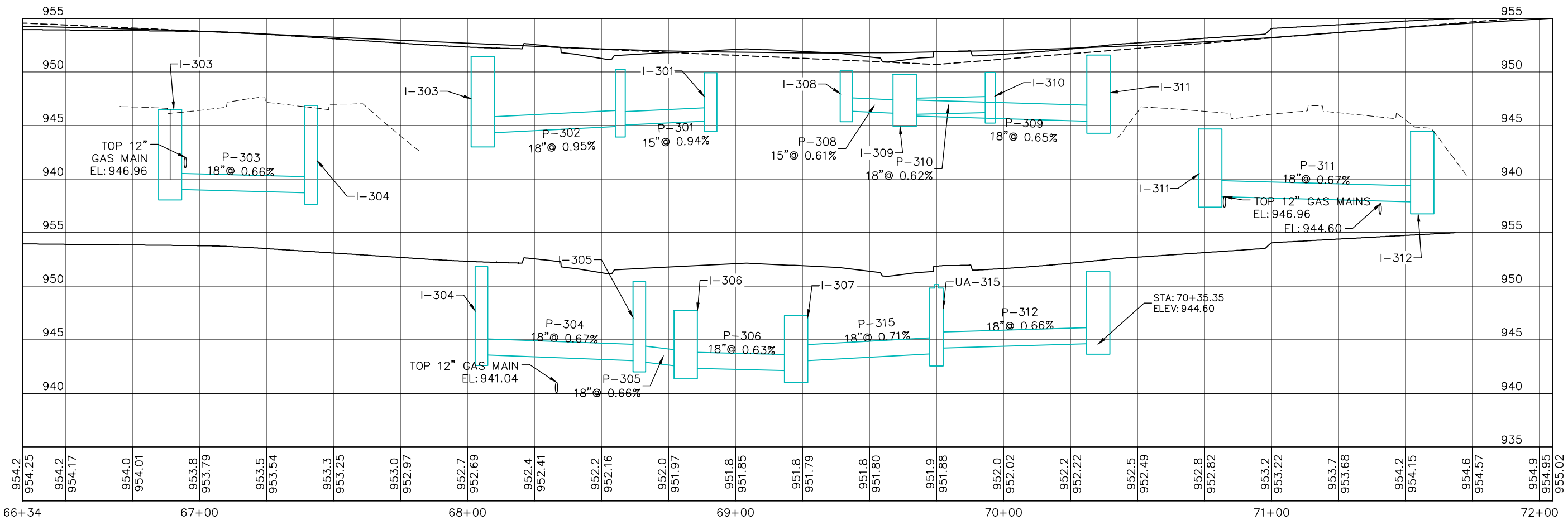
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PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	248
DRAWING NO.	248



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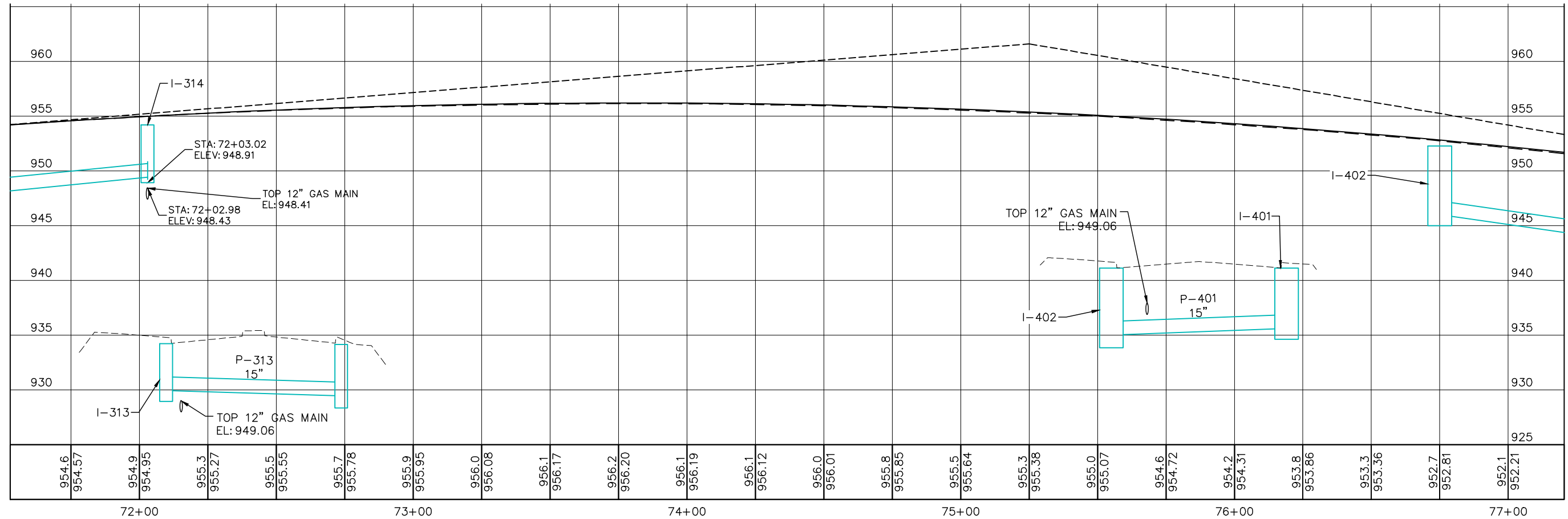
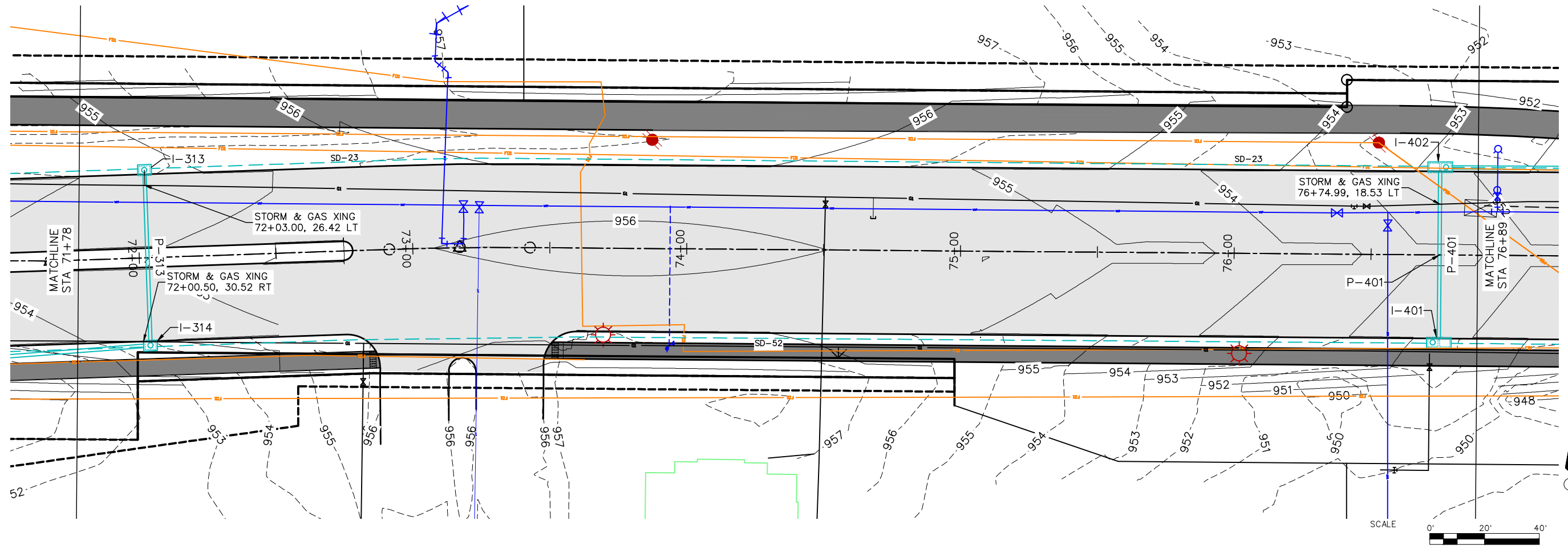
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RC-000-3240  
STORM SEWER

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	249
DRAWING NO.	249

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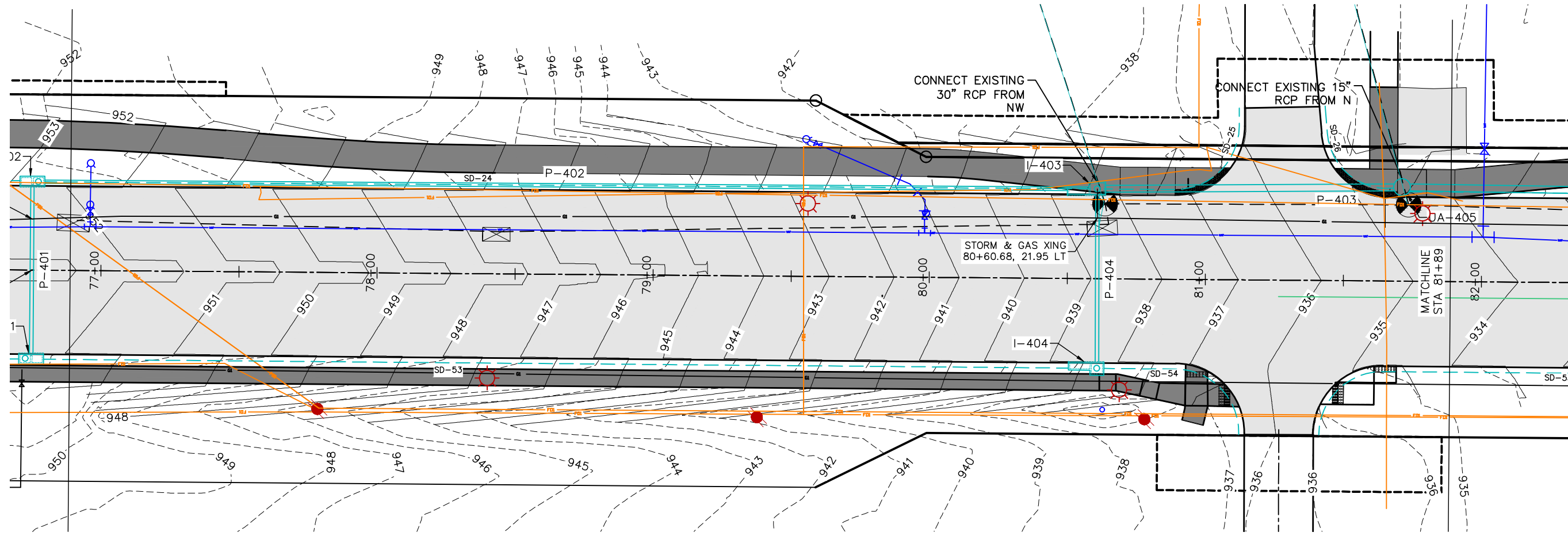
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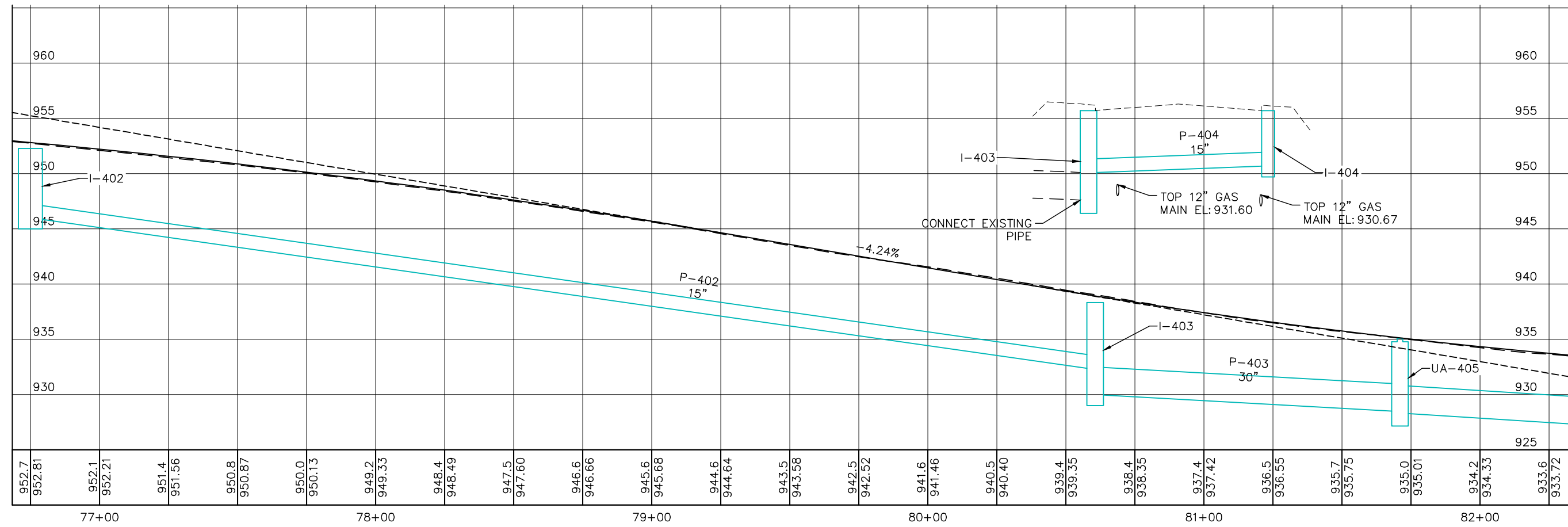
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RC-000-3240  
STORM SEWER

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	250

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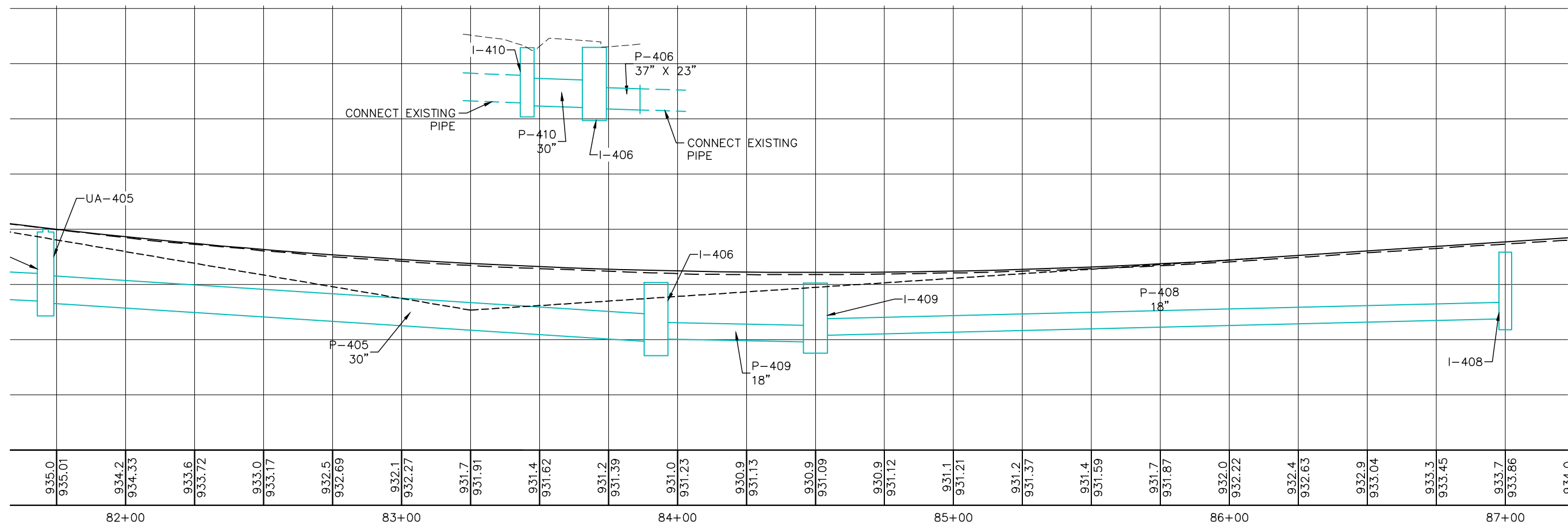
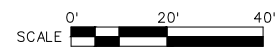
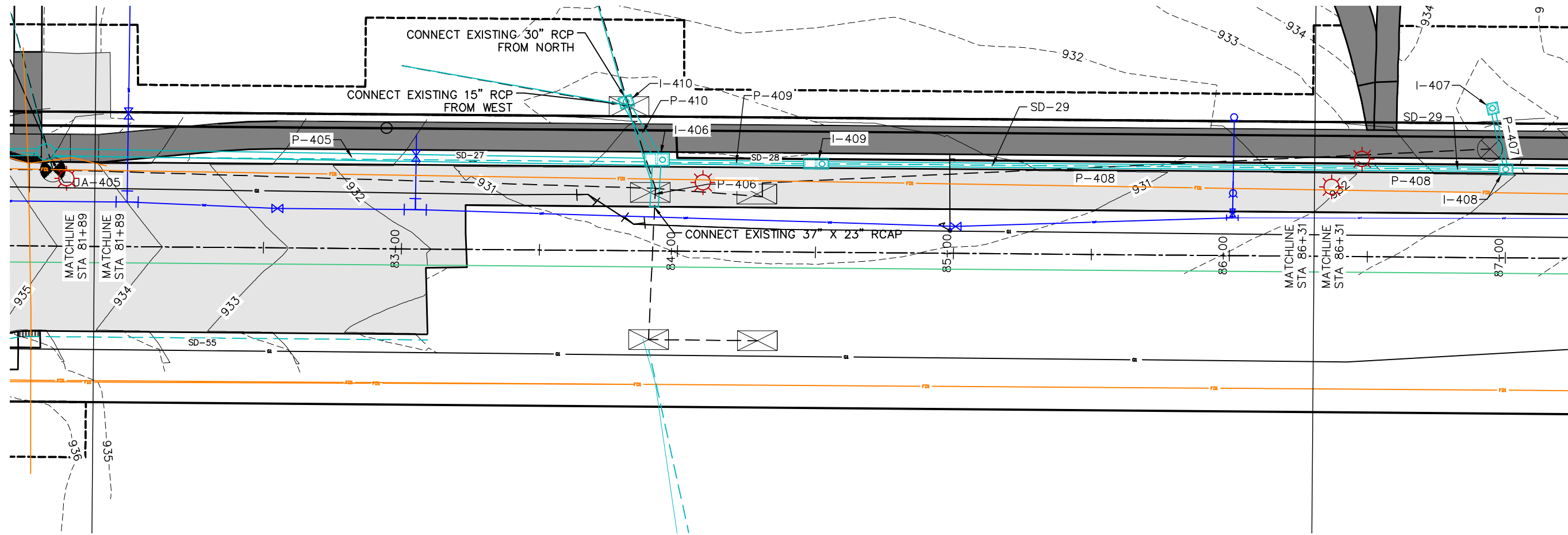


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RC-000-3240  
STORM SEWER

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
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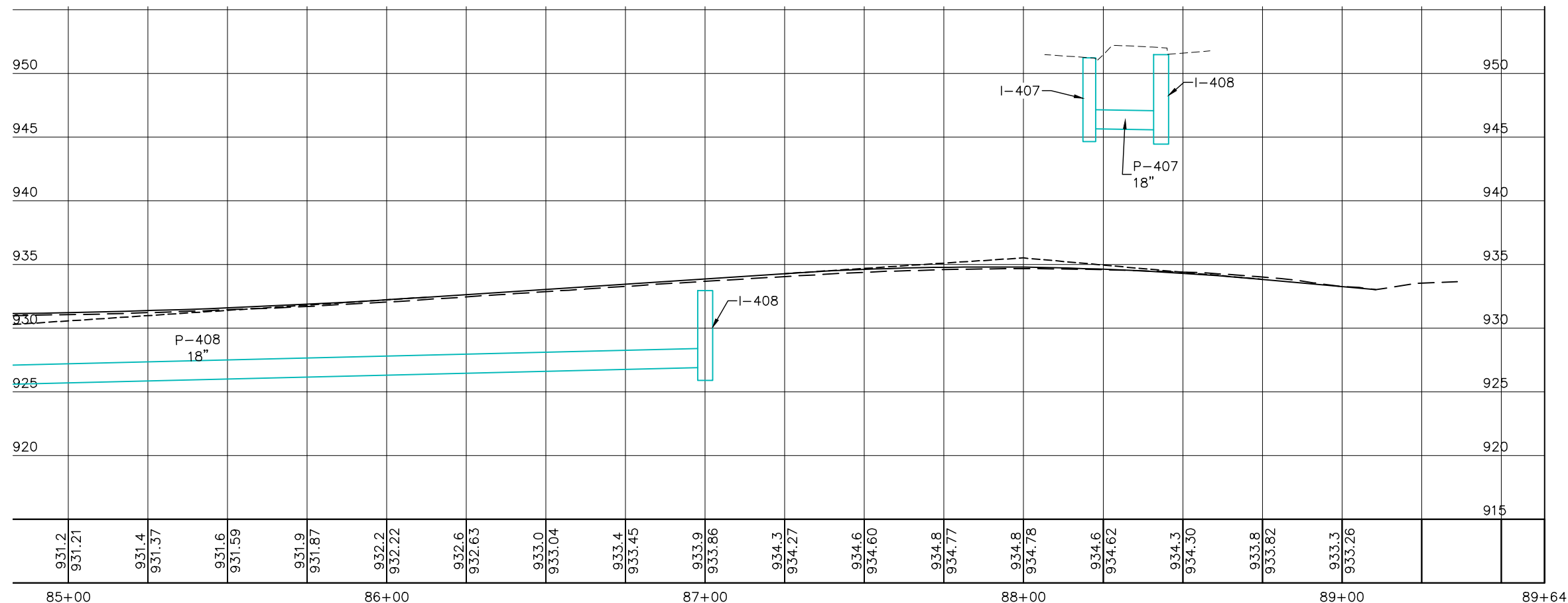
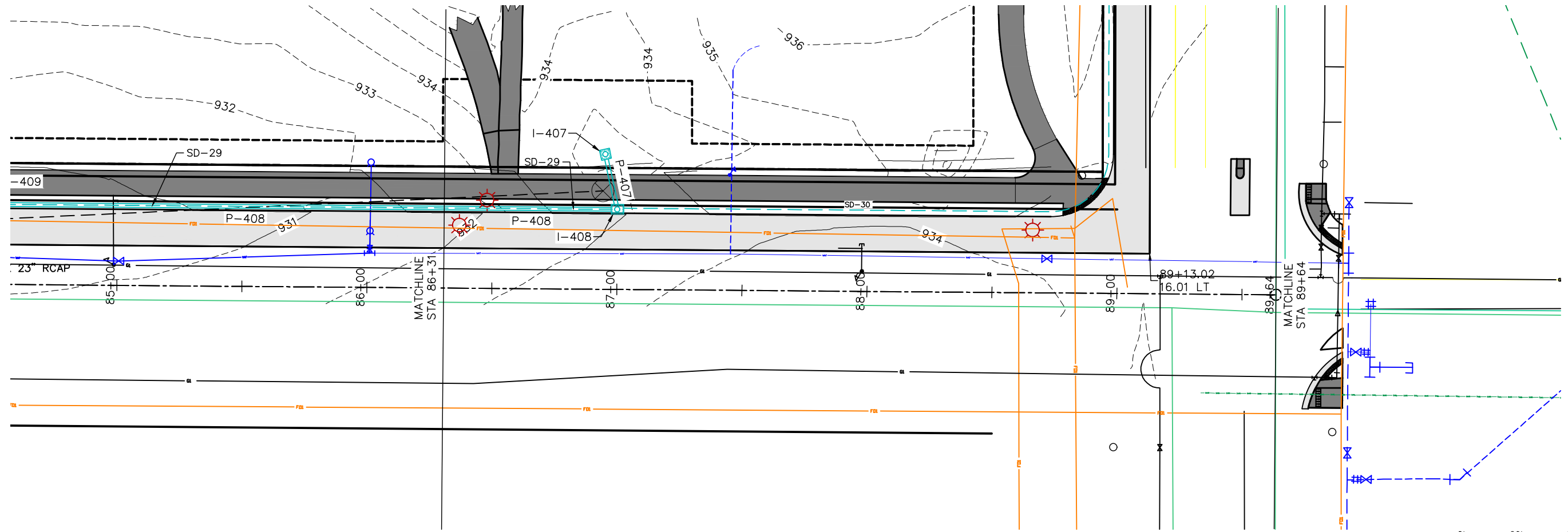
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RC-000-3240  
TITLE SHEET

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PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	252
DRAWING NO.	252

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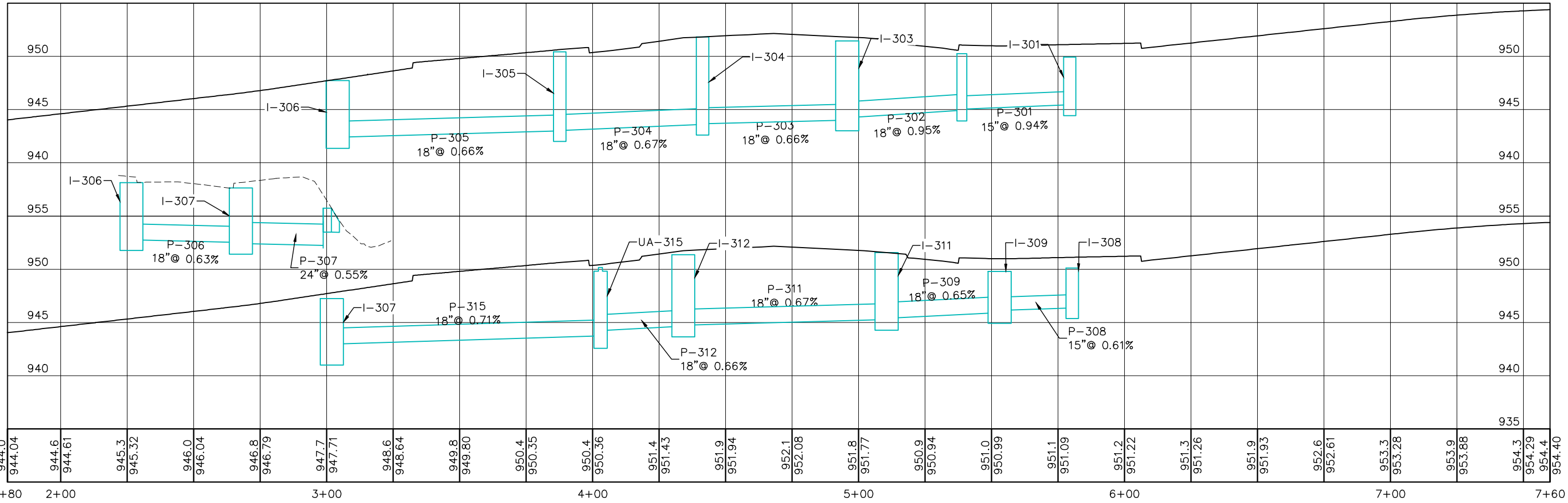
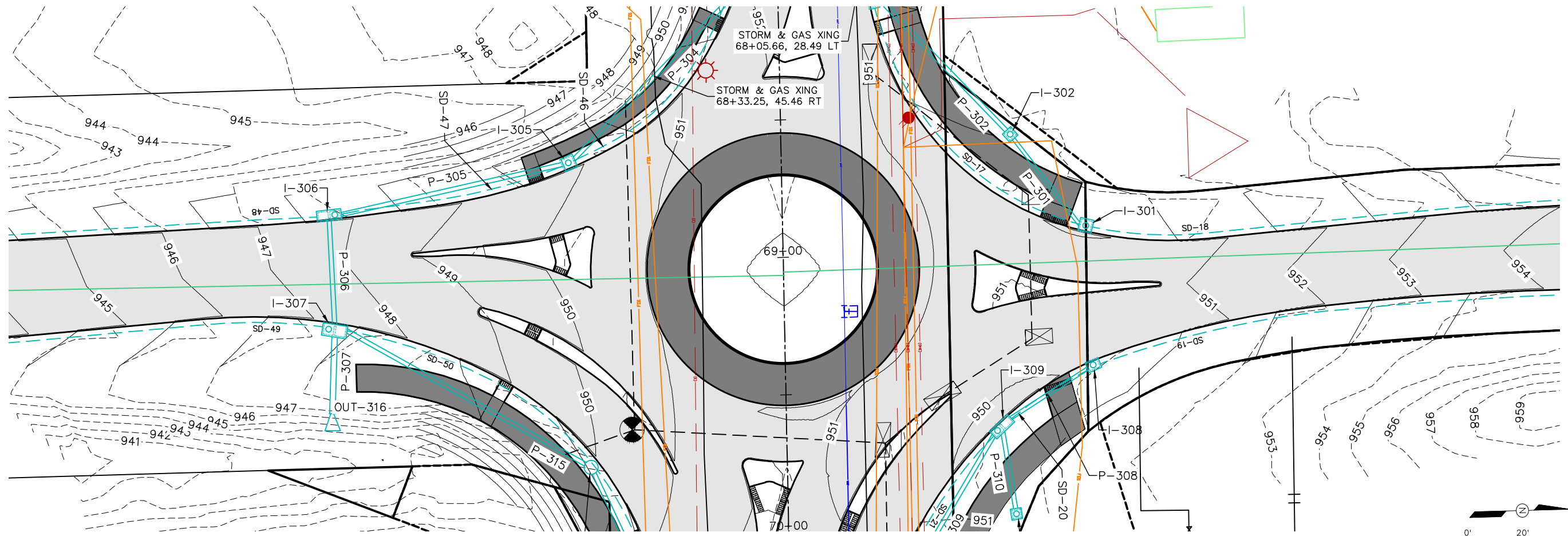
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RC-000-3240  
STORM SEWER

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
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DRAWING NO.	253

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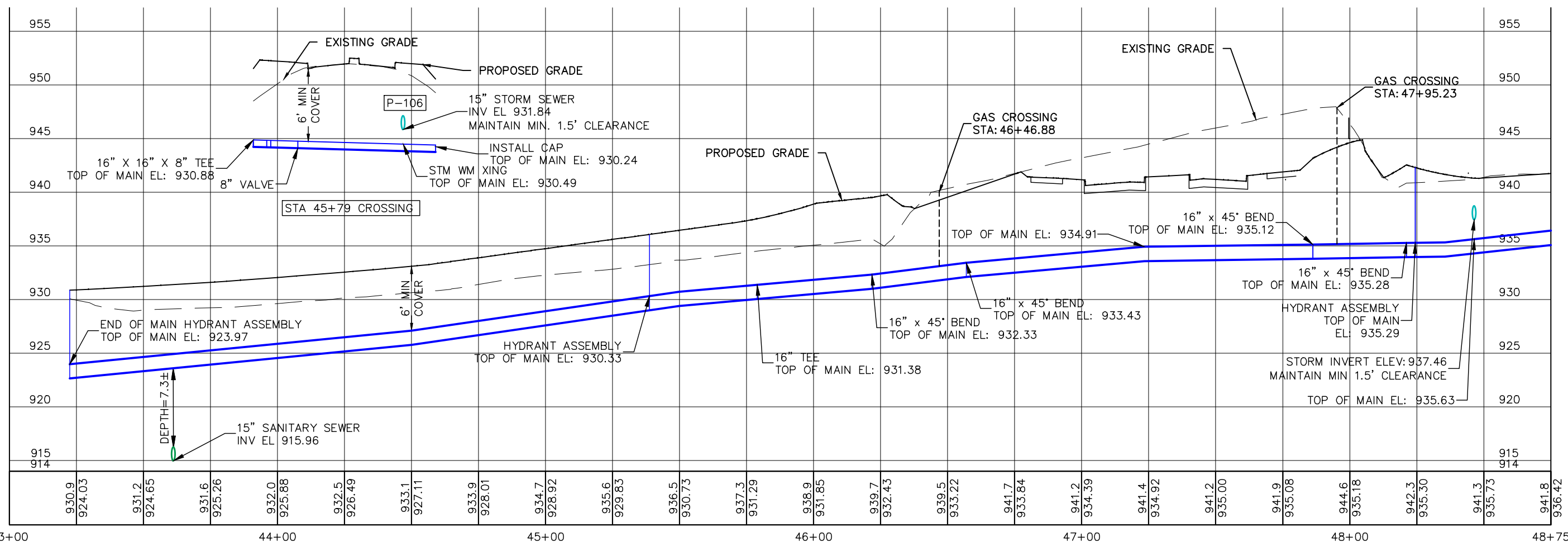
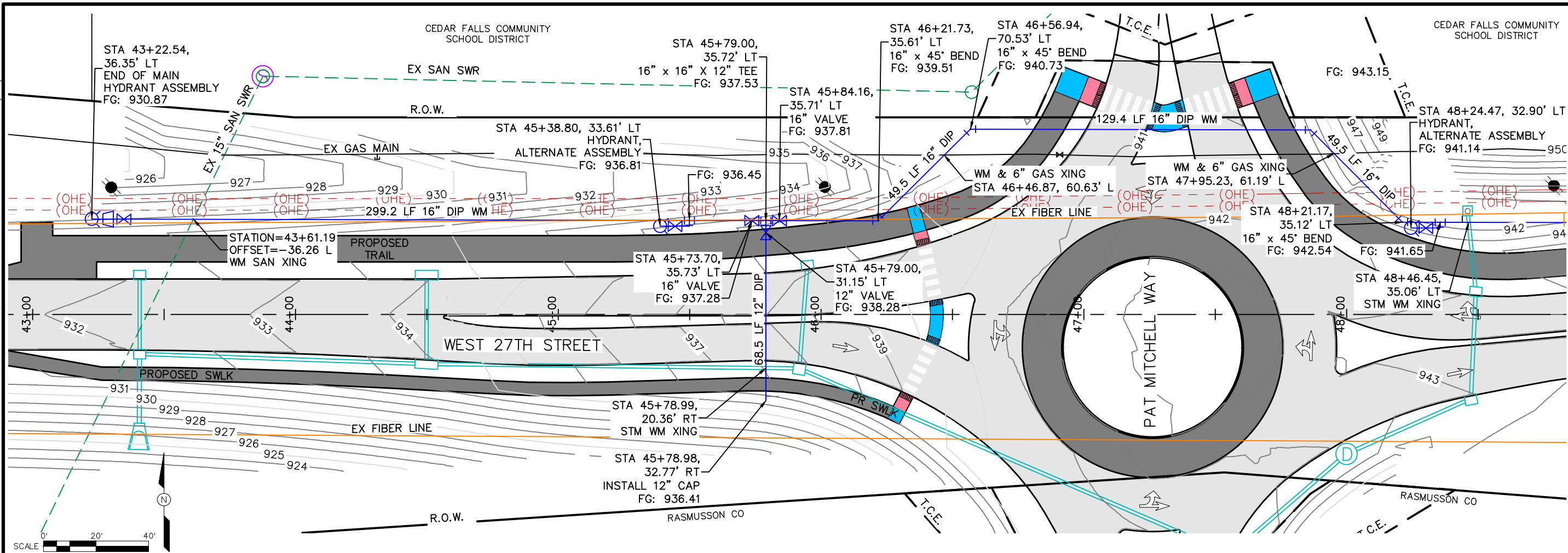
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RC-000-3240  
STORM SEWER

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	254
DRAWING NO.	254

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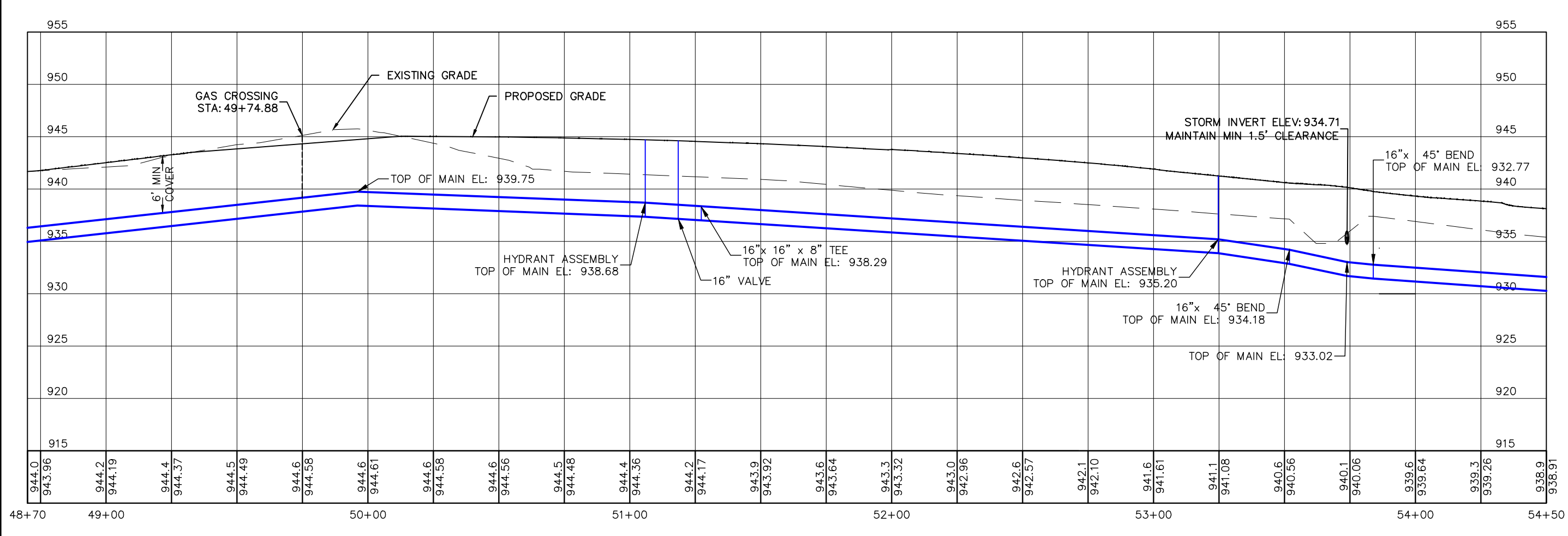
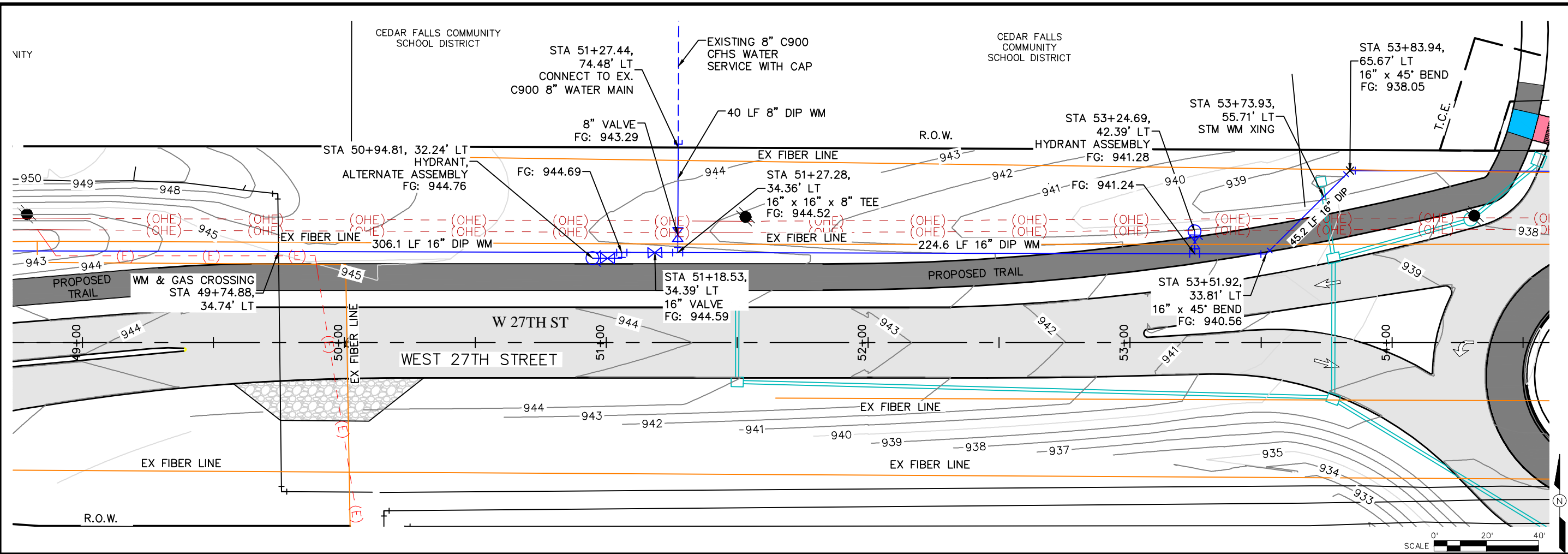
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WEST 27th STREET RECON  
RC-000-3240  
WATER MAIN SHEETS

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	255

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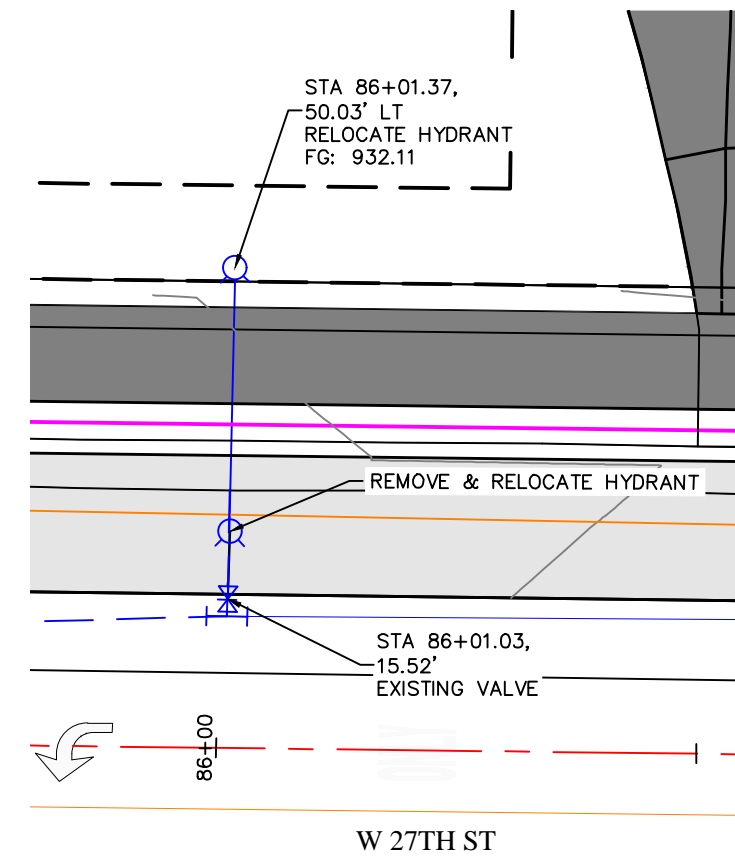
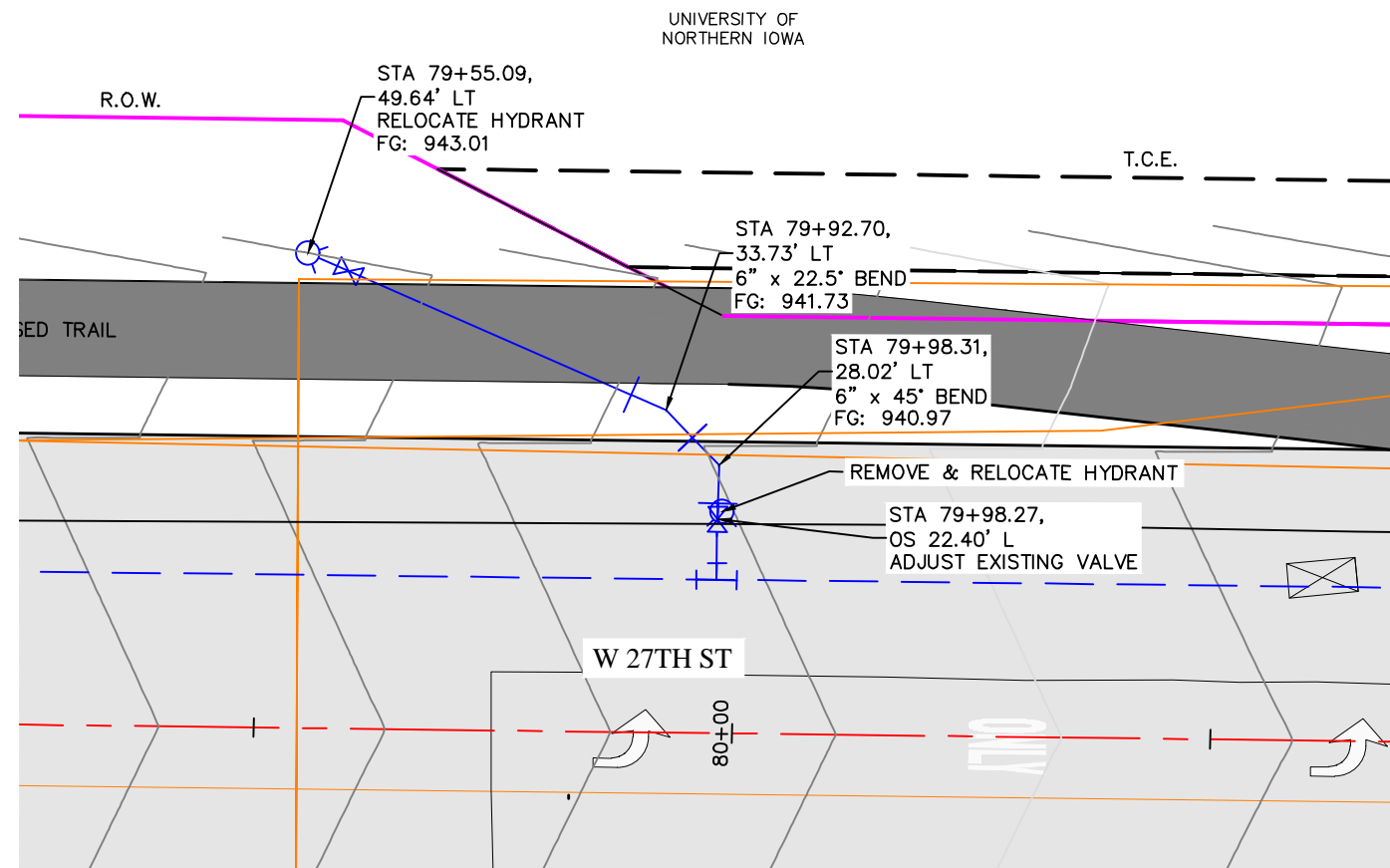
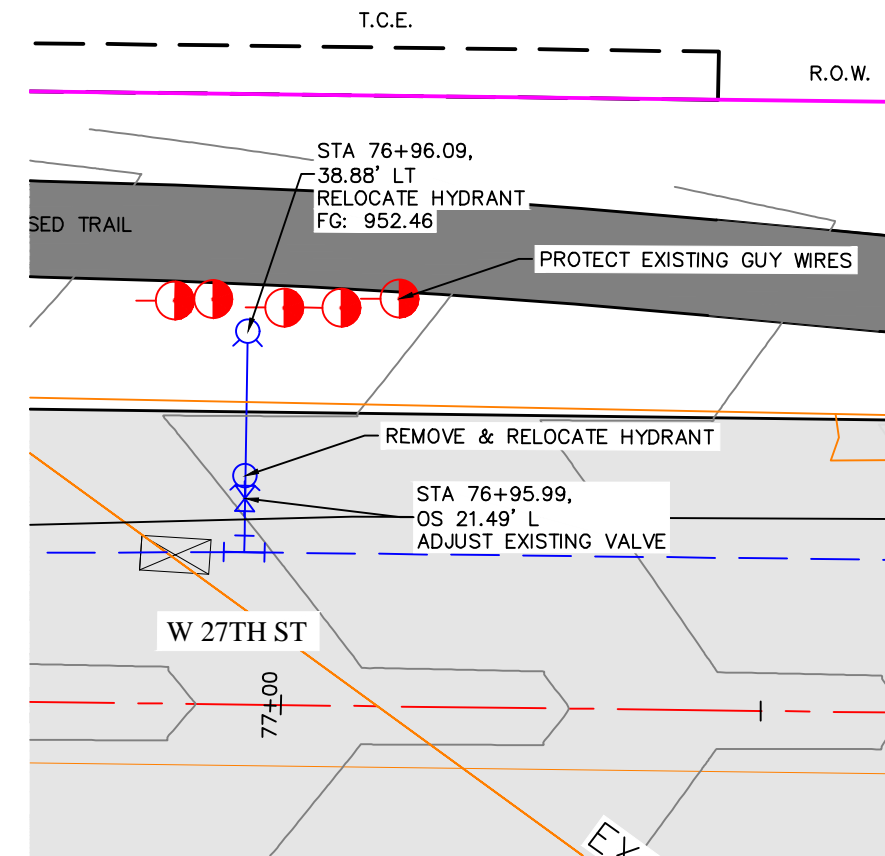
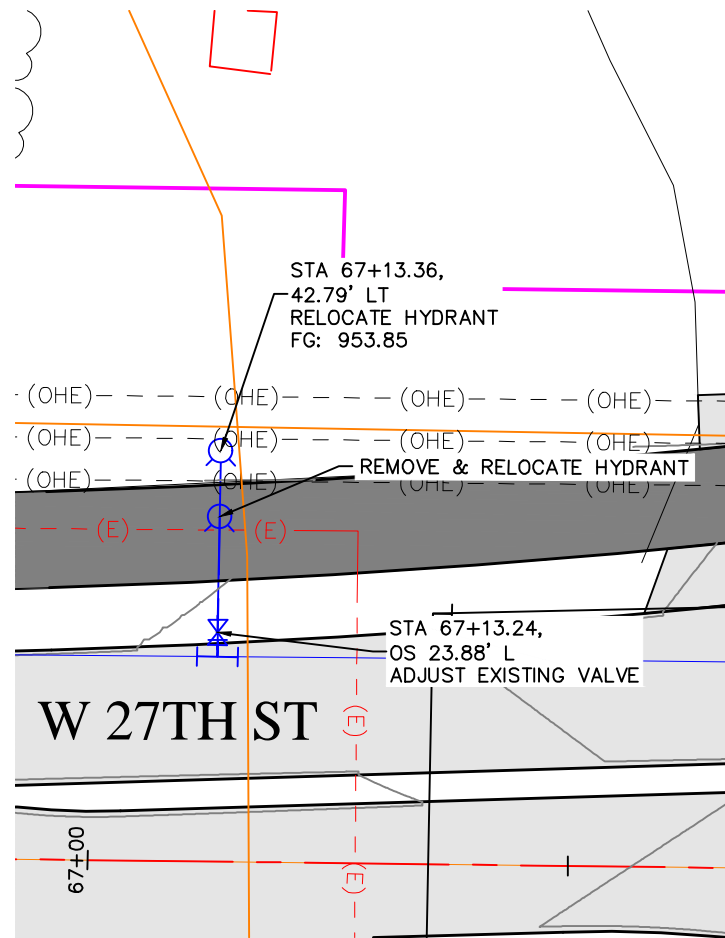
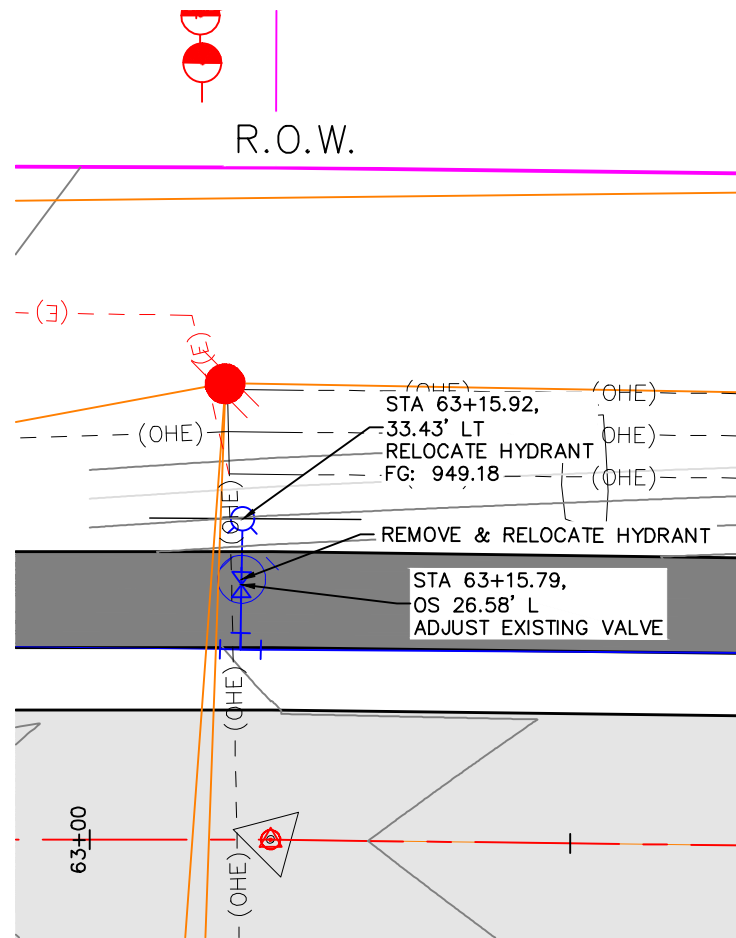


WEST 27th STREET RECON  
RC-000-3240  
WATER MAIN SHEETS

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	256
DRAWING NO.	MWT.02







5/6/2021	Item 17.	DATE
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		NO
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RC-000-3240  
WATER MAIN SHEETS

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	258
MWM	



TRAFFIC SIGNAL GENERAL NOTES (APPLY TO BOTH TEMPORARY AND PERMANENT SIGNALS)

1. THE CONTRACTOR SHALL SUPPLY THE MATERIALS AND CONSTRUCT THE PERMANENT TRAFFIC SIGNAL SYSTEMS TO MEET THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS, STANDARD DETAILS, AND SPECIAL PROVISIONS.
2. ALL QUANTITIES SHOWN IN THE PLANS AND SPECIFICATIONS ARE FOR INFORMATIONAL AND ESTIMATING PURPOSES ONLY. THE CONTRACTOR'S LUMP SUM BID FOR THIS PROJECT SHALL INCLUDE ALL LABOR AND MATERIAL NECESSARY TO PROVIDE A COMPLETE AND FUNCTIONAL TRAFFIC SIGNAL INSTALLATION, IN CONFORMANCE WITH THE PLANS AND SPECIFICATIONS.
3. THE CONTRACTOR SHALL SUBMIT A LIST OF TRAFFIC SIGNAL EQUIPMENT THAT IS PROPOSED FOR INSTALLATION. SHOP DRAWINGS WILL BE REQUIRED FOR THE POLES AND MAST ARMS, AND THESE SHALL BE SUBMITTED 30 CALENDAR DAYS FROM THE DATE OF CONTRACT AWARD.
4. THE PLAN LOCATIONS OF UNDERGROUND UTILITIES ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO EXCAVATION ON THE PROJECT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN WHETHER ANY ADDITIONAL FACILITIES OTHER THAN THOSE SHOWN ON THE PLAN MAY BE PRESENT.
5. ALL MAST ARM MOUNTED AND POLE UPRIGHT MOUNTED SIGNALS SHALL HAVE BACKPLATES.
6. POWER SERVICE LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL COORDINATE TASKS INVOLVING POWER SERVICE CONNECTION WITH CEDAR FALLS UTILITIES.
7. SIGNAL CABLE RUN FROM EACH SIGNAL HEAD TO THE BASE OF THE POLE SHALL BE 5-CONDUCTOR CABLE WHEN USED FOR A 3-SECTION SIGNAL HEAD AND 7-CONDUCTOR CABLE WHEN USED FOR EITHER A 4 OR 5 SECTIONAL SIGNAL HEAD.
8. CONTRACTOR TO COORDINATE OBTAINING TIMING PLANS FROM THE CITY PRIOR TO TURN-ON. THE CONTRACTOR WILL COMPLETE ALL PROGRAMMING OF THE DETECTION AND COMMUNICATIONS EQUIPMENT. THE CITY SIGNAL OPERATIONS STAFF WILL REVIEW THE PROGRAMMING.
9. ALL SIGNAL CABLE SHALL BE CONTINUOUS FROM CONNECTIONS MADE IN THE HANDHOLE COMPARTMENTS OF SIGNAL POLE BASES TO THE TERMINAL COMPARTMENTS IN THE CONTROLLER CABINET. SPLICING WILL NOT BE ALLOWED UNLESS SPECIFICALLY APPROVED BY THE ENGINEER. IDENTIFY AND LABEL NEW WIRING IN POLE BASES AND HANDHOLES.
10. THE CONTRACTOR SHALL USE CARE WHEN WRAPPING SIGNAL CABLE SLACK ON HANDHOLE HOOKS SO AS TO NOT WRAP THE CABLE SO TIGHTLY THAT CITY PERSONNEL CAN NOT REMOVE THE CABLE FROM THE HOOKS WITHOUT UNWRAPPING THE CABLE.
11. QUANTITY ESTIMATES INCLUDE CABLE IN THE POLES AND SLACK IN THE HANDHOLES. PROVIDE SLACK AS OUTLINED WITHIN SPECIFICATIONS.
12. A NO 6 A.W.G. BARE COPPER GROUND WIRE SHALL BE INSTALLED IN ALL PVC CONDUITS THAT CARRY 120/240 VOLT SIGNAL/LIGHTING CABLES. ALL POLES, PEDESTALS, AND CONTROLLER CABINET SHALL BE BONDED TO FORM A CONTINUOUS SYSTEM AND BE EFFECTIVELY GROUNDED. BONDING JUMPERS SHALL BE NO. 6 A.W.G. BARE COPPER WIRE CONNECTED BY APPROVED CLAMPS.
13. ALL NEW TRAFFIC SIGNAL CONDUIT SHALL BE SCHEDULE 80 PVC AS SHOWN ON THE PLANS. THE CONTRACTOR MAY REQUEST TO SUBSTITUTE HDPE CONDUIT FOR SCHEDULE 80 PVC AND HDPE CONDUIT TO FORM A BEND, AN APPROVED CONDUIT HEATING DEVICE SHALL BE USED. DIRECT FLAME SHALL NOT BE APPLIED TO THE CONDUIT. TRACER WIRE SHALL BE INSTALLED IN ALL NEW SCHEDULE 80 PVC AND HDPE CONDUITS.
14. THE STATION/OFFSETS LISTED ON THE SIGNAL PLANS ARE TO THE CENTER OF THE ITEM UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL FIELD VERIFY ALL EQUIPMENT LOCATIONS WITH THE ENGINEER, INCLUDING SIGNAL HEAD LOCATIONS.
15. THE LOCATIONS OF ALL FOOTINGS, HANDHOLES, AND CONDUIT ARE TO BE COORDINATED WITH THE ENGINEER AND ARE SUBJECT TO ADJUSTMENT IN THE FIELD BY THE ENGINEER.
16. THE CONTRACTOR SHALL NOTIFY THE ENGINEER WHEN READY TO SCHEDULE THE TURN-ON OF THE TRAFFIC SIGNALS. THE CONTRACTOR SHALL FOLLOW THE CITY'S STANDARD TRAFFIC SIGNAL TURN-ON PROCEDURE.
17. THE CONTRACTOR SHALL COORDINATE ACCESS TO CABINETS ON SITE WITH CITY TRAFFIC SIGNAL STAFF.
18. UNLESS OTHERWISE NOTED, ALL EXISTING FOOTINGS AND SIGNAL CABINET FOOTINGS TO BE REMOVED TO A MINIMUM DEPTH OF 3 FEET BELOW FINAL GRADE OR ADDITIONAL AS NECESSARY FOR CONSTRUCTION. ALL SURROUNDING SURFACE SHALL BE PROPERLY RESTORED.
19. THE CONTRACTOR SHALL HAVE AN EMPLOYEE WITH A LEVEL II IMSA TRAFFIC SIGNAL TECHNICIAN CERTIFICATE ON SITE OR ABLE TO RESPOND WITHIN 4 HOURS.
20. TRAFFIC SIGNAL MAST ARM POLES SHALL HAVE ANCHOR BASES AND 12' ARM MATCHING THE STREET LIGHT MAST ARMS WITH 38' MOUNTING HEIGHTS FOR THE LUMINAIRES. IF SIGNAL MAST ARM IS PRESENT, ALL STREET LIGHT LUMINAIRE ARMS SHALL BE LOCATED AT 350 DEGREES MEASURED CLOCKWISE TO THE MAST ARM UNLESS OTHERWISE NOTED. THE LED LUMINAIRES WILL BE INSTALLED BY LIGHTING CONTRACTOR. THE CONTRACTOR SHALL SUPPLY AND INSTALL ALL WIRING FOR THE LIGHTING AS WELL AS COORDINATE WITH THE LIGHTING CONTRACTOR FOR INSTALLATION OF LED LUMINAIRES.
21. THE EXISTING TRAFFIC SIGNAL CONTROLLER CABINET SHALL REMAIN IN PLACE AND BE REUSED FOLLOWING THE COMPLETION OF THE PROJECT.
22. SIGNS SHOWN ON SHEETS N.01-N.08 ARE INCLUDED AS PART OF THE "TRAFFIC SIGNALIZATION" LUMP SUM BID ITEM
23. ALL SIGNING AND TRAFFIC CONTROLS USED WHILE CONSTRUCTION ACTIVITIES ARE IN PROGRESS SHALL BE IN COMPLIANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
24. THE EXISTING FIBER OPTIC CABLE AND CONNECTIONS TO THE EXISTING CABINET SHALL NOT BE DISTURBED.
25. THE CONTRACTOR SHALL MOUNT THE PEDESTRIAN PUSHBUTTONS AND THE PEDESTRIAN SIGNAL HEADS AS INDICATED BY THE PEDESTRIAN PUSHBUTTON AND SIGNAL FACE MOUNTING DETAILS PROVIDED ON THE LAYOUT SHEETS.
26. THE LUMINAIRES SUPPLIED FOR THE TRAFFIC SIGNAL POLES SHALL BE THE SAME MODEL AND SUPPLIED BY THE SAME MANUFACTURERS AS ROADWAY LIGHTING LUMINAIRES SHOWN IN THE P-SHEETS.
27. CONNECTION OF PROPOSED CONDUIT TO EXISTING HANDHOLES OR FOUNDATIONS TO BE CONSIDERED INCIDENTAL TO PRICE BID FOR CONDUIT. ALL FOUNDATIONS AND HAND HOLES SHALL INCLUDE ONE SPARE 3 INCH CONDUIT CAPPED ON BOTH ENDS FOR FUTURE ADDITIONS.
28. ALL UNDERGROUND WORK AT LOCATIONS BEING RECONSTRUCTED UNDER THE ROADWAY PORTION OF THIS PROJECT SHALL BE COMPLETED PRIOR TO FINAL PAVING OF THE SIDEWALK AND ROADWAY. NO ADDITIONAL PAYMENT WILL BE MADE FOR REMOVAL OR RECONSTRUCTION OF SIDEWALK OR PAVEMENT IN THESE AREAS.
29. ALL CONDUIT UNDER EXISTING PAVEMENTS AND SIDEWALKS SHALL BE INSTALLED BY A METHOD THAT MINIMIZES THE AMOUNT OF PAVEMENT AND SIDEWALK REPAIR. CONDUITS UNDER PAVEMENTS SHALL BE PARTIALLY BORED AS NEEDED TO CORRESPOND WITH THE CONSTRUCTION STAGING PLANS.
30. STREET NAME SIGNS REQUIRE SHOP DRAWINGS TO BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
31. ALL SIGN AND TRAFFIC SIGNALIZATION INSTALLATIONS SHALL CONFORM TO THE 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
32. CONCRETE BASES SHALL BE SET 4" ABOVE FINISH GRADE.
33. HANDHOLE TOP AT GRADE ON NON-PAVED SURFACES.
34. PROVIDE 48 HOURS OF NOTICE TO THE CITY OF CEDAR FALLS ENGINEERING DEPARTMENT BEFORE PLACING THE PERMANENT TRAFFIC SIGNALS INTO OPERATION.
35. UNLESS OTHERWISE DIRECTED, TRAFFIC SIGNAL HEADS ON MAST ARMS ARE TO BE ALIGNED OVER THE CENTER OF THE INTERSECTION APPROACH LANES. APPROXIMATE LOCATIONS ARE AS SHOWN IN THE TRAFFIC LAYOUT SHEET. CONTRACTOR SHALL FIELD VERIFY SIGNAL HEAD LOCATIONS.
36. INSTALL TWO (2) 1-CONDUCTOR #18 CABLES FROM LUMINAIRE HEADS TO BASE OF POLE.
37. INSTALL A #6 AWG BARE COPPER GROUND WIRE BETWEEN THE GROUND RODS IN THE SIGNAL FOOTINGS AND THE CONTROLLER CABINET FROM A CONTINUOUSLY GROUND SYSTEM.
38. PROVIDE STRUCTURAL CONCRETE TESTING (2 CYLINDERS, 7-DAY & 28-DAYS FOR EACH BATCH) IN ACCORDANCE WITH ASTM C39 AS POURED FOR POLE FOOTINGS.

TRAFFIC SIGNAL INDEX OF SHEETS:

N.01	TRAFFIC SIGNAL GENERAL NOTES & INDEX
N.02	TRAFFIC SIGNAL BID ITEMS
N.03	TRAFFIC SIGNAL EXISTING CONDITIONS
N.04-N.05	TRAFFIC SIGNAL PLAN
N.06	TEMPORARY TRAFFIC SIGNALS AT WEST 27TH ST & HUDSON RD

Item 17.

DATE	
DRN	
CHK	
REVISIONS	
NO	


DRN	VanSickle, Ethan
DES	
CHK	Sweeney, Michelle
APP	
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WEST 27th STREET RECON RC-000-3240

TRAFFIC SIGNAL NOTES & INDEX

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.


 Signature: Larry E. Wiele Date: 3-25-22  
 Printed or Typed Name: LARRY E. WIELE

My license renewal date is December 31, 2023

Pages or sheets covered by this seal: SHEETS N.01-08, P.01-07

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	259

ITEM	DESCRIPTION	UNIT	INCLUDED IN TRAFFIC SIGNAL BID ITEM
1	COMBO POLE W/38' STEEL MAST ARM, 15' LUMINAIRE ARM, 38' MTG. HGHT.	EA	1
2	COMBO POLE W/44' STEEL MAST ARM, 15' LUMINAIRE ARM, 38' MTG. HGHT.	EA	1
3	COMBO POLE W/50' STEEL MAST ARM, 15' LUMINAIRE ARM, 38' MTG. HGHT.	EA	1
4	TRAFFIC SIGNAL POLE W/56' STEEL MAST ARM	EA	1
5	PED. PUSH BUTTON POST W/BASE FOOTING, CONDUIT(S) & GROUND ROD	EA	3
6	LUMINAIRE HEAD, WITH PHOTOCCELL RECEPTACLE	EA	3
7	SIGNAL HEAD, LED, 3 SECTION WITH MOUNTING	EA	12
8	SIGNAL HEAD, LED, 4 SECTION WITH MOUNTING	EA	4
9	PEDESTRIAN SIGNAL HEAD, LED, COUNTDOWN, WITH MOUNTING	EA	8
10	PEDESTIAN PUSHBUTTON WITH SIGN	EA	8
11	2 INCH CONDUIT, SCH 80 PVC	LF	458
12	3 INCH CONDUIT, SCH 80 PVC	LF	405
13	4 INCH CONDUIT, SCH 80 PVC	LF	16
14	CONDUCTOR, 5C14	LF	2,182
15	CONDUCTOR, 12C14	LF	1,200
16	CONDUCTOR, 2C14	LF	908
17	GROUND, 1C6 BARE	LF	879
18	EVP DETECTION CABLE	LF	908
19	PULL ROPE	LF	879
20	TRACER WIRE 1C10	LF	879
21	POWER SUPPLY, 1C6	LF	20
22	VIDEO DETECTION COAX CABLE	LF	908
23	VIDEO DETECTION POWER	LF	908
24	VIDEO DETECTION CAMERAS	EA	4
25	EMERGENCY VEHICLE PREEMPTION UNIT, REMOVE AND REINSTALL	EA	4
26	LI-103 TYPE I HANDHOLES, 24"	EA	3
27	LI-103 TYPE III HANDHOLES, 24"x36"	EA	1
28	TEMPORARY TRAFFIC SIGNAL SYSTEM	EA	1
29	STREET NAME SIGN-18"x66"	EA	2
30	TRAFFIC SIGN - R10-27 MOD. 30"x36"	EA	4
31	TRAFFIC SIGN - R3-5L, 30"x36"	EA	4
32	SALVAGE & STOCKPILE EX. SIGNAL MATERIALS & EQUIPMENT, ON SITE	EA	1
33	REMOVALS	LS	1

1-5 LOCATIONS AND LENGTHS SHALL BE AS SHOWN ON THE N-SHEETS.

6 ALL LUMINAIRES SHALL HAVE PHOTOCCELLS INSTALLED ON EACH FIXTURE. LUMINAIRES SHALL BE PHILIPS LUMEC RFL 180W80LED4K R3M UNIV DMG RCD SP2 OR LEOTECH(202W) #EC9-30M-MV-NW-3-GY530.

7-8 ALL TRAFFIC SIGNAL LAMPS SHALL BE 12 INCH LED.

9 PEDESTRIAN SIGNAL LAMPS SHALL BE 16 INCH LED COUNTDOWN HEADS.

10 PUSH BUTTONS SHALL BE POLARA PROGRAMMABLE. INSTALL PEDESTRIAN PUSH BUTTON SIGNS (R10-3E) ABOVE EACH PEDESTRIAN PUSH BUTTON. PEDESTRIAN PUSH BUTTONS SHALL BE PIEZO DRIVEN SOLID-STATE SWITCH TYPE WITH AUDIBLE AND LED CONFIRMATION.

11-13 CONDUIT LENGTHS SHOWN INCLUDE BOTH TRENCHED AND BORED CONDUIT LENGTHS. ALL CONDUIT SHALL BE PVC SCH 80. CONDUIT SHALL BE BORED UNDER PAVEMENT THAT IS TO REMAIN IN PLACE. CONTRACTOR MAY SUBSTITUTE HDPE CONDUIT FOR PVC ON LONG, STRAIGHT, CONTINUOUS CONDUIT RUNS TO BE IN INSTALLED WITH DIRECTIONAL BORING EQUIPMENT. PROPOSED LOCATIONS MUST CONFORM WITH THE PRE-APPROVAL OF THE CEDAR FALLS CITY ENGINEER.

14-20 CABLE LENGTHS SHOWN ARE APPROXIMATE, CABLE LENGTHS INCLUDES CABLE IN POLES AND ARMS. INSTALL ONE SIGNAL CABLE FROM EACH SIGNAL HEAD TO THE BASE OF THE POLE. A 7-CONDUCTOR CABLE SHALL BE USED IN THE POLES FOR 4-SECTION VEHICLE SIGNAL HEADS AND A 5-CONDUCTOR CABLE SHALL BE USED IN THE POLES FOR EACH 3-SECTION VEHICLE SIGNAL HEAD AND PEDESTRIAN SIGNAL HEAD. ALL SIGNAL CABLE SHALL BE #14 AWG UNLESS OTHERWISE NOTED ON THE PLANS. ALL CABLES SHALL HAVE 10' OF SLACK IN HANDHOLES.

21 BID PRICE SHALL INCLUDE CONNECTION FROM POWER SUPPLY AS DIRECTED BY CEDAR FALLS UTILITIES, INCLUDING CABLE, CONDUIT, ALL-WEATHER HEAD AT POLE LOCATION. POWER SUPPLY SHALL BE UNDERGROUND FROM POWER SOURCE TO CONTROLLER CABINET.

22-24 INSTALL NEW VIDEO DETECTION CAMERAS ON LUMINAIRE ARMS OR SIGNAL MAST ARMS AS SHOWN IN THE PLANS

25 REMOVE AND REPLACE EXISTING EVP UNITS. REPLACE EXISTING CABLES TO CABINET.

26-27 REFER TO SHEETS N.04 AND N.05 FOR LOCATION. SEE IOWA DOT DETAIL TS-102 AND LI-103 FOR DETAILS..

28 TEMPORARY TRAFFIC SIGNALS SHALL BE MEASURED BY LUMP SUM. LUMP SUM PRICE WILL INCLUDE ALL SET-UPS AND MODIFICATIONS AS NECESSARY FOR TRAFFIC CONTROL. ADDITIONAL PAYMENT WILL NOT BE MADE FOR RELOCATION OF SIGNAL HEADS, WIRE SPANS OR TEMPORARY POLES TO ACCOMMODATE CHANGES TO CONSTRUCTION STAGING AND TRAFFIC PATTERNS.

29-33 SEE GENERAL NOTES.

1-33 ALL QUANTITIES SHOWN IN THE PLANS AND SPECIFICATIONS ARE FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR'S LUMP SUM BID FOR TRAFFIC SIGNALIZATION SHALL INCLUDE ALL LABOR AND MATERIAL NECESSARY TO PROVIDE A COMPLETE AND FUNCTIONAL TRAFFIC SIGNAL INSTALLATION, IN CONFORMANCE WITH THE PLANS AND SPECIFICATIONS. VARIATIONS FROM QUANTITIES AS SHOWN IN THIS TABLE SHALL NOT BY ITSELF BE CONSIDERED GROUNDS FOR A CHANGE ORDER.

1-33 SCHEDULE OF UNIT PRICES. PRIOR TO ANY PAYMENT BY THE CONTRACTING AUTHORITY FOR WORK COMPLETED ON THIS PROJECT, THE CONTRACTOR SHALL COMPLETE AND FORWARD TO THE ENGINEER FOR APPROVAL A LIST OF UNIT COSTS FOR EACH ITEM LISTED ON THE SUMMARY OF QUANTITIES. UNIT COSTS SHALL BE BROKEN DOWN BETWEEN MATERIALS AND LABOR COST FOR CONTRACT LUMP SUM PRICE FOR THE TRAFFIC SIGNAL INSTALLATION. THE UNIT COSTS MAY ALSO BE USED AS A BASIS TO ESTABLISH THE TOTAL COST FOR ALL EXTRA WORK ORDERS RELATED TO TRAFFIC SIGNAL INSTALLATION WORK ITEMS.

Item 17.

DATE

DRN CHK

NO

REVISIONS

NO

DRN

DES

CHK

APP

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WEST 27th STREET RECON  
RC-000-3240  
TRAFFIC SIGNAL  
BID ITEMS

DATE 3-25-2022

PROJECT NO. 60637669

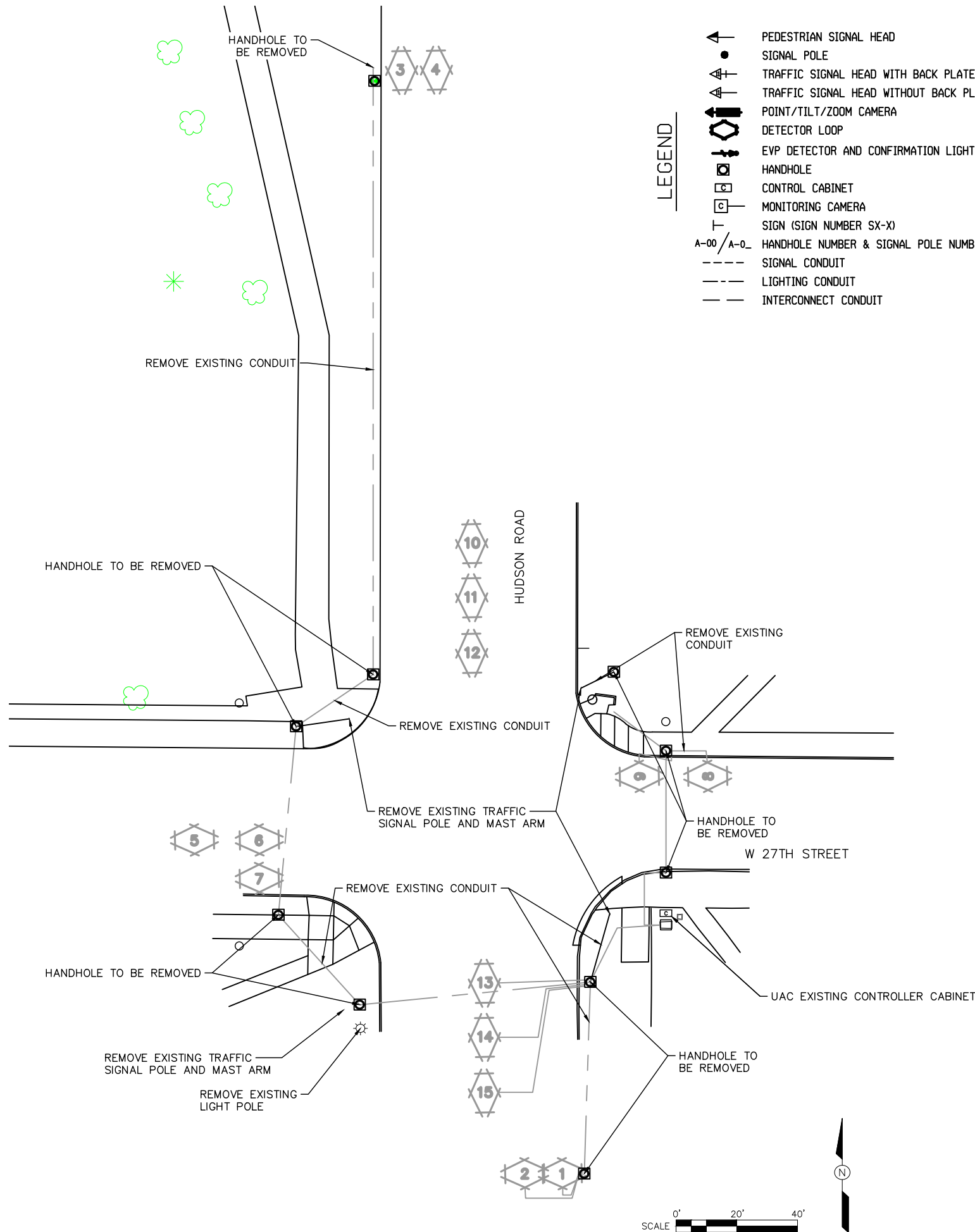
MILESTONE FINAL PLANS

SHEET NO.

DRAWING NO. 260

N.02

260



- LEGEND**
- PEDESTRIAN SIGNAL HEAD
  - SIGNAL POLE
  - TRAFFIC SIGNAL HEAD WITH BACK PLATE
  - TRAFFIC SIGNAL HEAD WITHOUT BACK PLATE
  - POINT/TILT/ZOOM CAMERA
  - DETECTOR LOOP
  - EVP DETECTOR AND CONFIRMATION LIGHT
  - HANDHOLE
  - CONTROL CABINET
  - MONITORING CAMERA
  - SIGN (SIGN NUMBER SX-X)
  - HANDHOLE NUMBER & SIGNAL POLE NUMBER
  - SIGNAL CONDUIT
  - LIGHTING CONDUIT
  - INTERCONNECT CONDUIT

**TRAFFIC SIGNAL REMOVAL NOTES:**

EXISTING TRAFFIC SIGNAL STRUCTURE, TRAFFIC SIGNAL HEADS AND FOUNDATION SHALL BE REMOVED AS PER PLAN GENERAL NOTES AND SPECIFICATIONS. SEE TEMPORARY TRAFFIC SIGNAL SHEETS FOR TIMING OF REMOVAL. FOUNDATION SHALL BE REMOVED TO A MIN. DEPTH OF 3' BELOW FINAL GRADE OR AS NEEDED TO AVOID NEW CONSTRUCTION AND ALL SURROUNDING AREA RESTORED.

**TRAFFIC SIGNAL REMOVAL GENERAL NOTES:**

-ALL EXISTING SIGNAL MATERIALS AND EQUIPMENT NOT LISTED IN THE PROJECT DOCUMENTS AND WHICH ARE NOT BEING INCORPORATED INTO THE PROPOSED TRAFFIC SIGNAL SYSTEM SHALL BE SALVAGED BY THE CONTRACTOR AND STOCKPILED ON THE PROJECT SITE FOR PICK UP BY THE CITY OF CEDAR FALLS TRAFFIC OPERATIONS DEPARTMENT PERSONNEL. SUCH ITEMS WILL REMAIN THE PROPERTY OF THE CITY. CONTRACTOR MAY BE ALLOWED TO DELIVER THE SALVAGED EQUIPMENT AND MATERIALS TO THE CITY, BUT PRIOR AUTHORIZATION AND COORDINATION IS REQUIRED. TRAFFIC SIGNAL EQUIPMENT AND MATERIALS TO BE SALVAGED INCLUDE:

- POLES AND MAST ARMS
- SIGNAL HEADS AND SIGNS MOUNTED ON SIGNAL POLES AND MAST ARMS
- EVP DETECTORS AND INDICATOR LIGHTS SHALL BE REMOVED AND REINSTALLED
- VIDEO DETECTION CAMERAS

-ALL OTHER EQUIPMENT NOT WANTED BY THE CITY SHALL BE DISPOSED OF BY THE CONTRACTOR.

-REMOVE EXISTING CONDUCTORS/CABLING FROM EXISTING CONDUITS.

-REMOVE DETECTION LOOP WIRE. IF PRESENT, EXISTING DETECTION LOOPS SHALL BE ABANDONED IN PLACE UNLESS IN CONFLICT WITH CONSTRUCTION ACTIVITIES. ASSOCIATED LOOP DETECTION HANDHOLES SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTORS.

-REMOVE EXISTING TRAFFIC SIGNAL SYSTEM HANDHOLES. INCOMING CONDUIT MAY BE ABANDONED IN PLACE UNLESS IN CONFLICT WITH CONSTRUCTION ACTIVITIES - IF SO, CONDUIT TO BE REMOVED. FOLLOWING REMOVAL OF HANDHOLE, REMAINING HOLE TO BE FILLED IN AS PER SPECIFICATIONS AND ALL SURROUNDING SURFACES SHALL BE RESTORED.

-EXISTING FIBER OPTICS CONDUIT NOT TO BE DISTURBED. PROTECT IN PLACE.

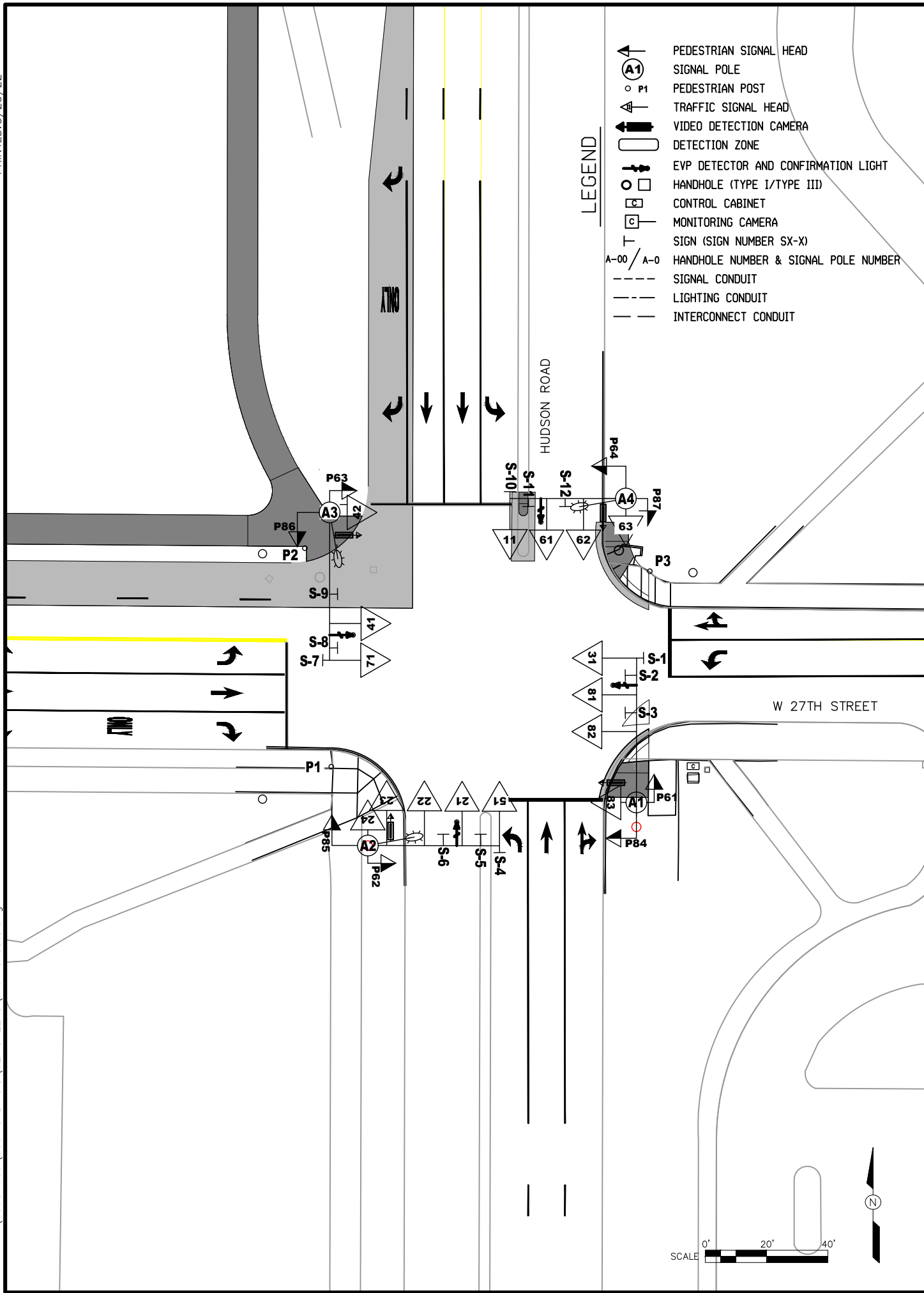
NO	REVISIONS	CHK	DATE

DRN	VanSickle, Ethan
DES	
CHK	Sweeney, Michelle
APP	
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WEST 27th STREET RECON  
RC-000-3240  
TRAFFIC SIGNAL  
EXISTING CONDITIONS

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	261
DRAWING NO.	261



**LEGEND**

- PEDESTRIAN SIGNAL HEAD
- SIGNAL POLE
- PEDESTRIAN POST
- TRAFFIC SIGNAL HEAD
- VIDEO DETECTION CAMERA
- DETECTION ZONE
- EVP DETECTOR AND CONFIRMATION LIGHT
- HANDHOLE (TYPE I/TYPE III)
- CONTROL CABINET
- MONITORING CAMERA
- SIGN (SIGN NUMBER SX-X)
- HANDHOLE NUMBER & SIGNAL POLE NUMBER
- SIGNAL CONDUIT
- LIGHTING CONDUIT
- INTERCONNECT CONDUIT

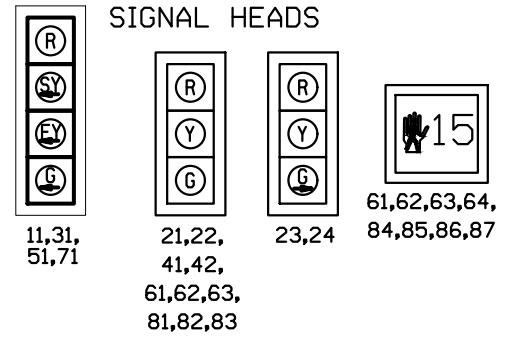
POLE NO.	LOCATION (STATION, OFFSET)	Signal Mast-Arm Length (ft)	BASE ELEVATION (FT)*	Signal Head Spacing					Remarks
				A	B	C	D	E	
A1	2193+69.26, 51.47' RT	56		0	15	12	12		SIGNAL POLE
A2	2193+55.20, 36.14' LT	44		0	6	12	12	12	SIGNAL POLE
A3	2194+66.42, 46.01' LT	48		0	36	12			SIGNAL POLE
A4	2194+68.36, 48.00' RT	38		0	14	12	12		SIGNAL POLE
P1	2193+80.93, 48.08' LT								PEDESTRIAN POST
P2	2194+52.15, 56.70' LT								PEDESTRIAN POST
P3	2194+44.66, 55.83' RT								PEDESTRIAN POST

\* ALL BASE ELEVATIONS SHALL BE VERIFIED AT TIME OF CONSTRUCTION TO PROVIDE 4" ABOVE FINISH GRADE OR MATCH SIDEWALK ELEVATION IF ADJACENT TO WALK.

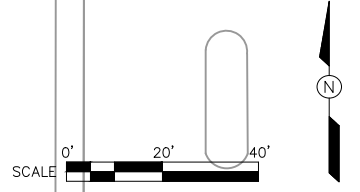
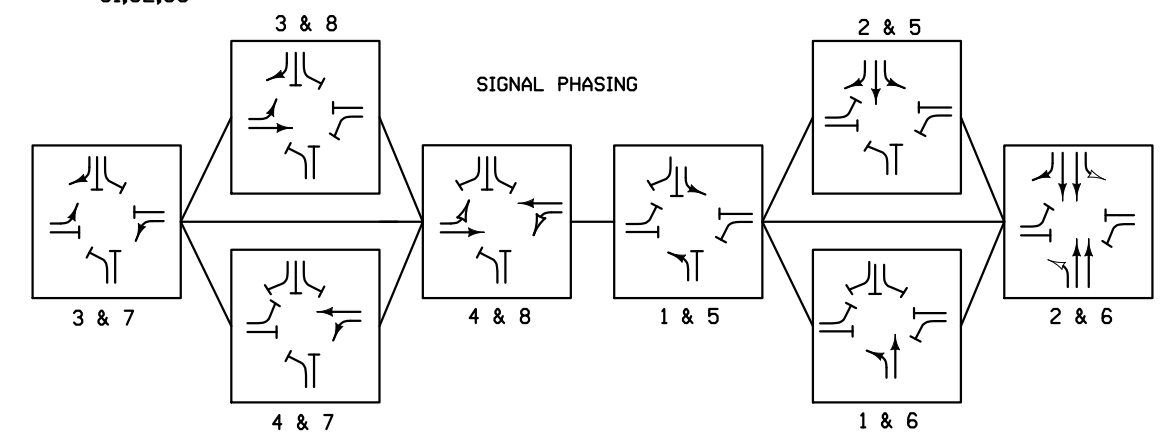
RIGHT-OF-WAY INTERVALS									
SIGNAL HEAD NO.	PHASE 01	PHASE 02	PHASE 03	PHASE 04	PHASE 05	PHASE 06	PHASE 07	PHASE 08	FLASH
11	← G	R	R	R	R	R	R	R	R
21,22	R	G	R	R	R	R	R	R	R
23,24	R	R	G →	R	R	R	R	R	R
31	R	R	R	G	R	R	R	R	R
41,42	R	R	R	R	← G	R	R	R	R
51	R	R	R	R	R	G	R	R	R
61,62,63	R	R	R	R	R	R	← G	R	R
71	R	R	R	R	R	R	R	G	R
81,82,83	R	G →	G →	R	R	R	R	R	R

SIGN DATA	
SIGN NO.	DETAILS
S-1	R3-5L
S-2	R10-27 MOD.
S-3	HUDSON ROAD 18"X66"
S-4	R3-5L
S-5	R10-27 MOD.
S-6	W 27TH STREET 18"X66"
S-7	R3-5L
S-8	R10-27 MOD.
S-9	HUDSON ROAD 18"X66"
S-10	R3-5L
S-11	R10-27 MOD.
S-12	W 27TH STREET 18"X66"

\*R10-27 MOD 'LEFT TURN SIGNAL - YIELD ON FLASHING ARROW'



ALL SIGNAL LENSES SHALL BE 12 INCH  
 ALL SIGNAL HEADS SHALL BE YELLOW.  
 ALL SIGNAL LAMPS SHALL BE LED.  
 ALL PEDESTRIAN HEADS SHALL BE 16".  
 ALL EQUIPMENT SHALL MEET THE REQUIREMENTS OF THE LATEST VERSION OF THE MUTCD.  
 ORIENTATION OF SIDEMOUNT SIGNAL HEADS SHALL BE DETERMINED AT TIME OF CONSTRUCTION.



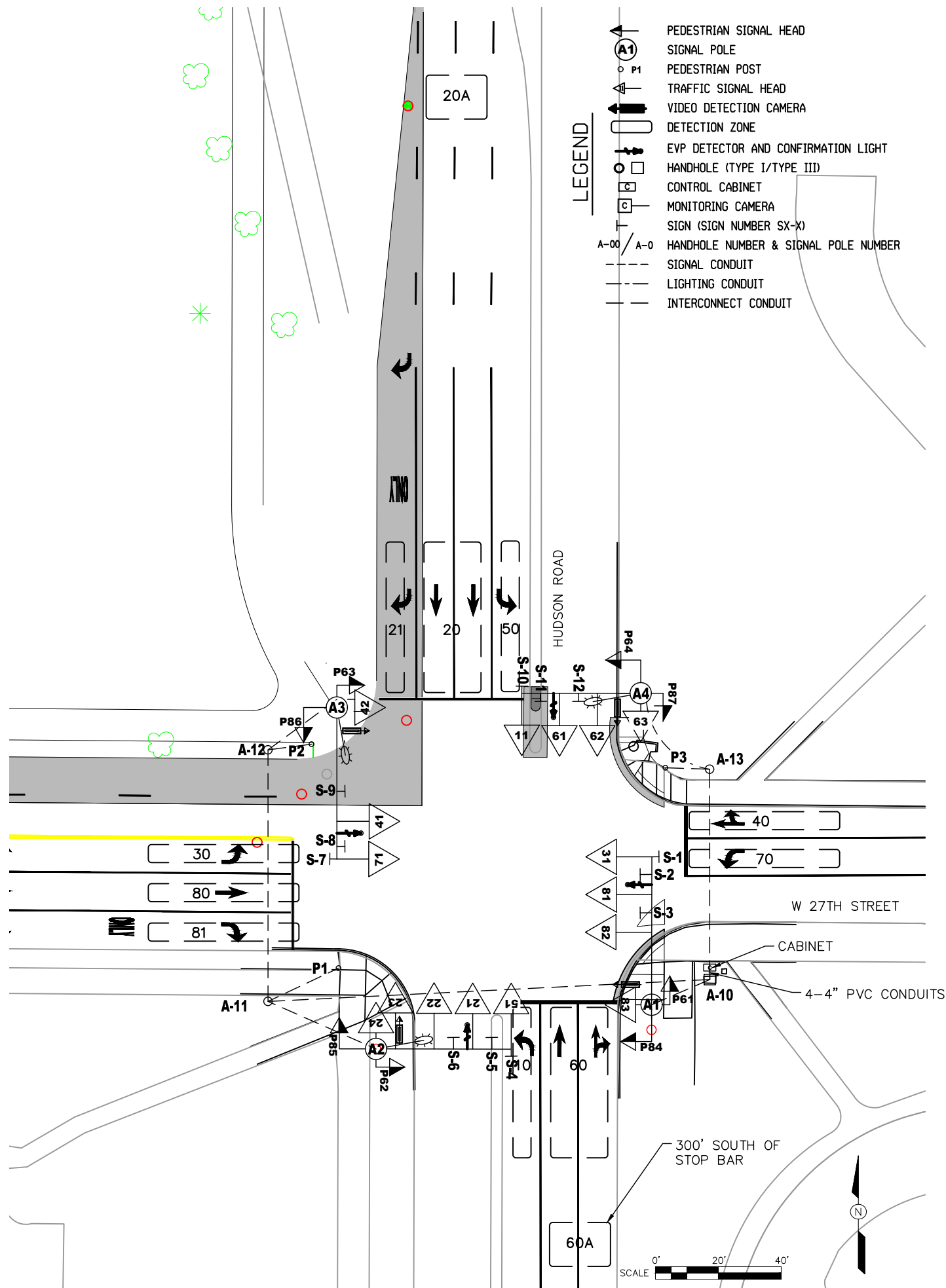
NO	REVISIONS	DRN	CHK	DATE

DRN	VanStalle, Ethan
DES	
CHK	Sweeney, Michelle
APP	



WEST 27th STREET RECON  
 RC-000-3240  
 TRAFFIC SIGNAL PLAN

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	262



A3 to A-12  
 3" Conduit  
 12c14 - Signal Heads 41, 42, 71  
 5c14 - Signal Head P63  
 5c14 - Signal Head P86  
 5c14 - Push Button A3  
 3c14 - EVP Confirmation Light  
 Video Power A3

2" Conduit  
 Video Coax A3  
 EVP Detector Cable

P2 to A-12  
 2" Conduit  
 5c14 - Push Button P2

A-12 to A-11  
 3" Conduit  
 12c14 - Signal Heads 41, 42, 71  
 5c14 - Signal Head P63  
 5c14 - Signal Head P86  
 5c14 - Push Button A3  
 5c14 - Push Button P2  
 3c14 - EVP Confirmation Light  
 Video Power A3

2" Conduit  
 Video Coax A3  
 EVP Detector Cable

P1 to A-11  
 2" Conduit  
 5c14 - Push Button P1

A2 to A-11  
 3" Conduit  
 12c14 - Signal Heads 21, 22, 51  
 5c14 - Signal Heads 23, 24  
 5c14 - Signal Head P62  
 5c14 - Signal Head P85  
 5c14 - Push Button A2  
 3c14 - EVP Confirmation Light  
 Video Power A2

2" Conduit  
 Video Coax A2  
 EVP Detector Cable

A-11 to A-10  
 3" Conduit  
 12c14 - Signal Heads 41, 42, 71  
 12c14 - Signal Heads 21, 22, 51  
 5c14 - Signal Heads 23, 24  
 5c14 - Signal Head P63  
 5c14 - Signal Head P86  
 5c14 - Signal Head P62  
 5c14 - Signal Head P85  
 2 - 3c14 - EVP Confirmation Lights (A2, A3)  
 4 - 5c14 - Push Buttons A2, A3, P1, P2  
 2 - Video Power (A2, A3)

2" Conduit  
 2 - Video Coax (A2, A3)  
 2 - EVP Detector Cable (A2, A3)

A1 to A-10  
 3" Conduit  
 12c14 - Signal Heads 31, 81, 82, 83  
 5c14 - Signal Heads P61  
 5c14 - Signal Heads P84  
 2 - 5c14 - Push Buttons (2-A1)  
 3c14 - EVP Confirmation Light  
 Video Power A1

2" Conduit  
 Video Coax A1  
 EVP Detector Cable

A4 to A-13  
 3" Conduit  
 12c14 - Signal Heads 11, 61, 62, 63  
 5c14 - Signal Head P64  
 5c14 - Signal Head P87  
 5c14 - Push Button A4  
 3c14 - EVP Confirmation Light  
 Video Power A4

2" Conduit  
 Video Coax A4  
 EVP Detector Cable

P3 to A-13  
 2" Conduit  
 5c14 - Push Button P3

A-13 to A-10  
 3" Conduit  
 12c14 - Signal Heads 11, 61, 62, 63  
 5c14 - Signal Head P64  
 5c14 - Signal Head P87  
 5c14 - Push Button A4  
 5c14 - Push Button P3  
 3c14 - EVP Confirmation Light  
 Video Power A4

2" Conduit  
 Video Coax A4  
 EVP Detector Cable

All Conduit Running Into Handhole A-10 To Run To Traffic Control Cabinet

\*ALL CONDUIT SHALL HAVE TRACER WIRE, PULL ROPE AND GROUND WIRES INSTALLED  
 \*ALL TRAFFIC SIGNAL BASES SHALL HAVE ADDITIONAL 2" CONDUIT FOR STREET LIGHTING CABLE

Push Button Summary		
Associated Signal Face	Phase Called	Pole Location
P85	2	P2
P86	2	P1
P63	4	A3
P64	4	A4
P61	6	P3
P87	6	A1
P62	8	A1
P84	8	A2

NO	REVISIONS	CHK	DATE

DRN	VanStickle, Ethan
DES	
CHK	Sweeney, Michelle
APP	
REC'D	



WEST 27th STREET RECON  
 RC-000-3240  
 TRAFFIC SIGNAL PLAN

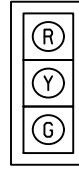
DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	263
DRAWING NO.	263



LEGEND

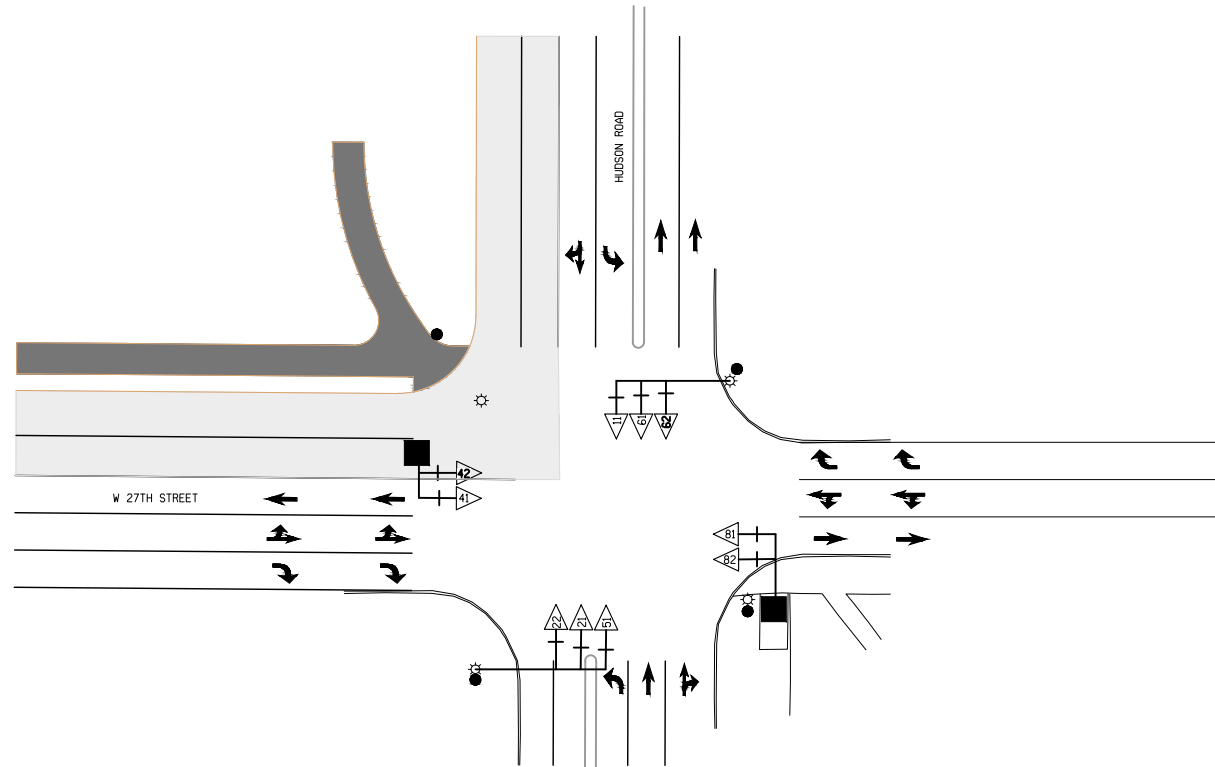
- ⦿ EXISTING/PROPOSED SIGNAL POLE
- ⬆️ TRAFFIC SIGNAL HEAD WITH BACK PLATE
- ⬆️ TRAFFIC SIGNAL HEAD WITHOUT BACK PLATE
- ▬ WORK ZONE
- TEMPORARY TRAFFIC SIGNAL TRAILER

SIGNAL HEADS



41,42,81,82

ALL SIGNAL LENSES SHALL BE 12 INCH  
 ALL SIGNAL HEADS SHALL BE YELLOW.  
 ALL ARM-MOUNTED SIGNALS SHALL HAVE  
 BACKPLATES.  
 ALL SIGNAL LAMPS SHALL BE LED.  
 ALL EQUIPMENT SHALL MEET THE REQUIREMENTS  
 OF THE LATEST VERSION OF THE MUTCD.  
 ORIENTATION OF SIDEMOUNT SIGNAL HEADS SHALL  
 BE DETERMINED AT TIME OF CONSTRUCTION.



GENERAL NOTES – TEMPORARY SIGNALS

1. TEMPORARY TRAFFIC SIGNAL SYSTEM SHALL BE UTILIZED DURING STAGE 2 WORK (CONSTRUCTION OF SOUTHBOUND RIGHT TURN LANE AND WESTBOUND 27TH STREET LANES).
2. INSTALLATION OF PROPOSED TRAFFIC SIGNAL SYSTEM MAY OCCUR DURING STAGE 1 WORK. IF PROPOSED TRAFFIC SIGNAL SYSTEM IS OPERATIONAL PRIOR TO STAGE 2 WORK, CONTRACTOR MAY ELIMINATE PORTIONS OF THE TEMPORARY TRAFFIC SIGNALS NOT REQUIRED TO BE INSTALLED.
3. TEMPORARY TRAFFIC SIGNAL SYSTEM SHALL ALSO BE UTILIZED AS NECESSARY UNTIL PROPOSED TRAFFIC SIGNAL SYSTEM IS OPERATIONAL. 4-WAY STOP CONTROL MAY BE UTILIZED DURING NON-PEAK HOURS (6-9 AM AND 4-7 PM) FOR SWITCHOVER BETWEEN EXISTING AND PROPOSED EQUIPMENT.
4. THE CONTRACTOR TO SUPPLY ALL NECESSARY MATERIALS SUCH AS HEADS, WOOD PILES, TRAILERS, AND HARDWARE TO PROVIDE A FULLY FUNCTIONAL TEMPORARY TRAFFIC SIGNALS. THE CONTRACTOR SHALL CONSTRUCT THE TEMPORARY TRAFFIC SIGNAL SYSTEMS TO MEET THE REQUIREMENTS OF THE IDOT STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL, SECTION 2528.
5. THE OPERATION AND MAINTENANCE OF THE TEMPORARY SIGNAL SYSTEM SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
6. THE BID ITEM FOR TEMPORARY TRAFFIC SIGNALS SHALL INCLUDE ALL MATERIAL AND LABOR NECESSARY TO SUPPLY, ERECT, MAINTAIN, OPERATE, AND REMOVE THE TEMPORARY TRAFFIC SIGNALS. THIS IS INCIDENTAL TO BID ITEM FOR TEMPORARY TRAFFIC SIGNAL. THE TEMPORARY TRAFFIC SIGNALS SHALL PROVIDE FOR A FULLY FUNCTIONAL TRAFFIC OPERATION INCLUDING DETECTION (EITHER EXISTING OR TEMPORARY) AND APPROPRIATE PHASING AND TIMINGS FOR TRAFFIC MOVEMENTS THROUGH THE CONSTRUCTION AREA. THE TEMPORARY TRAFFIC SIGNALS SHALL BE TRAILER MOUNTED AND SHALL COORDINATE WITH SIGNAL ON HUDSON ROAD AT W. 27TH STREET.
7. WHEN DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL INSTALL THE TEMPORARY TRAFFIC SIGNALS. THE TEMPORARY SIGNALS SHALL REMAIN IN OPERATION UNTIL DIRECTED BY ENGINEER TO BE REMOVED.
8. FINAL POSITIONING OF THE SIGNAL FACES TO BE DETERMINED IN THE FIELD. THE CONTRACTOR SHALL REPOSITION THE POLES AND SIGNAL FACES AS CONSTRUCTION STAGING REQUIRES. THIS IS CONSIDERED INCIDENTAL TO THE COST OF THE TEMPORARY TRAFFIC SIGNALS.
9. ALL WIRING SHALL CONFORM TO THE NATIONAL ELECTRIC CODE AND LOCAL ORDINANCES AND REQUIREMENTS.
10. ALL CABLE FOR THE INTERSECTION SIGNAL CIRCUITS SHALL BE MULTI CONDUCTOR CABLE MEETING THE REQUIREMENTS OF I.M.S.A. SPECIFICATION 19.
11. ALL SIGNING AND TRAFFIC CONTROLS USED WHILE CONSTRUCTION ACTIVITIES ARE IN PROGRESS SHALL BE IN COMPLIANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
12. VIDEO DETECTION SHALL BE USED FOR SIDE STREET VEHICULAR ACTIVATION.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND OBTAINING APPROPRIATE ELECTRICAL SERVICE FOR ALL TEMPORARY TRAFFIC SIGNAL INSTALLATIONS. THE CONTRACTOR SHALL COMPLY WITH THE UTILITY COMPANY REQUIREMENTS FOR ELECTRICAL SERVICES. THE CONTRACTOR SHALL PROVIDE REQUIRED EQUIPMENT AND PERFORM ALL NECESSARY SERVICES TO ENSURE FULLY OPERATIONAL TRAFFIC SIGNAL ASSEMBLIES DURING ALL STAGES OF CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND INSPECTION OF SERVICE.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MODIFYING TEMPORARY TRAFFIC SIGNAL CONTROLLER SETTINGS, PHASING INPUTS, AND TIMING CHANGES TO ACCOMMODATE PROPOSED GEOMETRICS AND ANTICIPATED TRAFFIC VOLUMES DURING EACH STAGE OF CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE CITY OF CEDAR FALLS ENGINEER AT LEAST SEVEN (7) DAYS PRIOR TO ACTIVATION OF TRAFFIC SIGNAL EQUIPMENT DURING EACH PHASE. PROPOSED TRAFFIC SIGNAL PHASING AND TIMING PLANS SHALL BE APPROVED BY THE CITY OF CEDAR FALLS ENGINEER PRIOR TO IMPLEMENTATION.
15. SHOULD TRAVEL DELAYS AND CONGESTION LEVELS BECOME EXCESSIVE DURING ANY STAGE OF CONSTRUCTION, THE ENGINEER RESERVES THE RIGHT TO REQUIRE MODIFICATIONS TO THE PROPOSED STAGING PLANS, SIGNAL TIMINGS, AND/OR TRAFFIC CONTROL DEVICES SHOWN HEREIN FOR THE PURPOSE OF ENSURING SAFE AND EFFICIENT OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING ALL NECESSARY TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE ENGINEER'S RECOMMENDATIONS.
16. SEE J SHEETS FOR CONSTRUCTION STAGING INFORMATION.
17. ALL SIGNING AND TRAFFIC CONTROLS USED WHILE CONSTRUCTION ACTIVITIES ARE IN PROGRESS SHALL BE IN COMPLIANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
18. CONTRACTOR SHALL REMOVE OR COVER SIGNAL HEADS NOT USED DURING VARIOUS CONSTRUCTION STAGES.
19. CONTRACTOR SHALL ADJUST THE VIDEO/RADAR DETECTION ZONES AND SIGNING/SIGNAL HEADS AS REQUIRED FOR STAGING OF THIS PROJECT.
20. CONTRACTOR SHALL MODIFY EXISTING TRAFFIC SIGNAL SYSTEMS AS NECESSARY TO ACCOMMODATE STAGES OF CONSTRUCTION PRIOR TO THE INSTALLATION OF TEMPORARY TRAFFIC SIGNAL SYSTEMS. MODIFICATIONS INCLUDE BUT NOT LIMITED TO SIGNAL HEAD LOCATION, VEHICLE DETECTION EQUIPMENT, AND SIGNAL TIMING/PHASING.
21. VIDEO DETECTION CAMERAS TO BE MOUNTED ON A LUMINAIRE BRACKET ARM UNLESS OTHERWISE SHOWN ON PLAN FOR THE TEMPORARY TRAFFIC SIGNALS.
22. THE TEMPORARY TRAFFIC SIGNAL SYSTEM SHALL UTILIZE TYPE 1 LED LUMINAIRES, WITH PHOTOCELLS. THE LUMINAIRES ARE TO BE RELOCATED AND RE-USED AS POSSIBLE FOR THE PROPOSED PERMANENT TRAFFIC SIGNAL SYSTEM LIGHTING FIXTURES. SEE TEMPORARY TRAFFIC SIGNAL DETAIL SHEET FOR ADDITIONAL INFORMATION.
23. STATIONS AND OFFSETS ARE APPROXIMATE AND SHOULD BE VERIFIED AND ADJUSTED AS NEEDED. 10' CLEARANCE TO BE PROVIDED BETWEEN EDGE OF POLES AND EDGE OF TRAVEL WAY DURING EACH STAGE.
24. TEMPORARY STOP BARS SHOULD BE PLACED A MINIMUM OF 40 FEET AND A MAXIMUM OF 180 FEET WHEN MEASURED FROM THE TRAFFIC SIGNAL HEADS.
25. ALL SIGNAL HEADS SHALL BE SPACED A MINIMUM OF 8 FEET APART.

Item 17.

DATE	
DRN	
CHK	
NO	
REVISIONS	

DRN	VanSledre, Ethan
DES	
CHK	Sweeney, Michelle
APP	
REC'D	



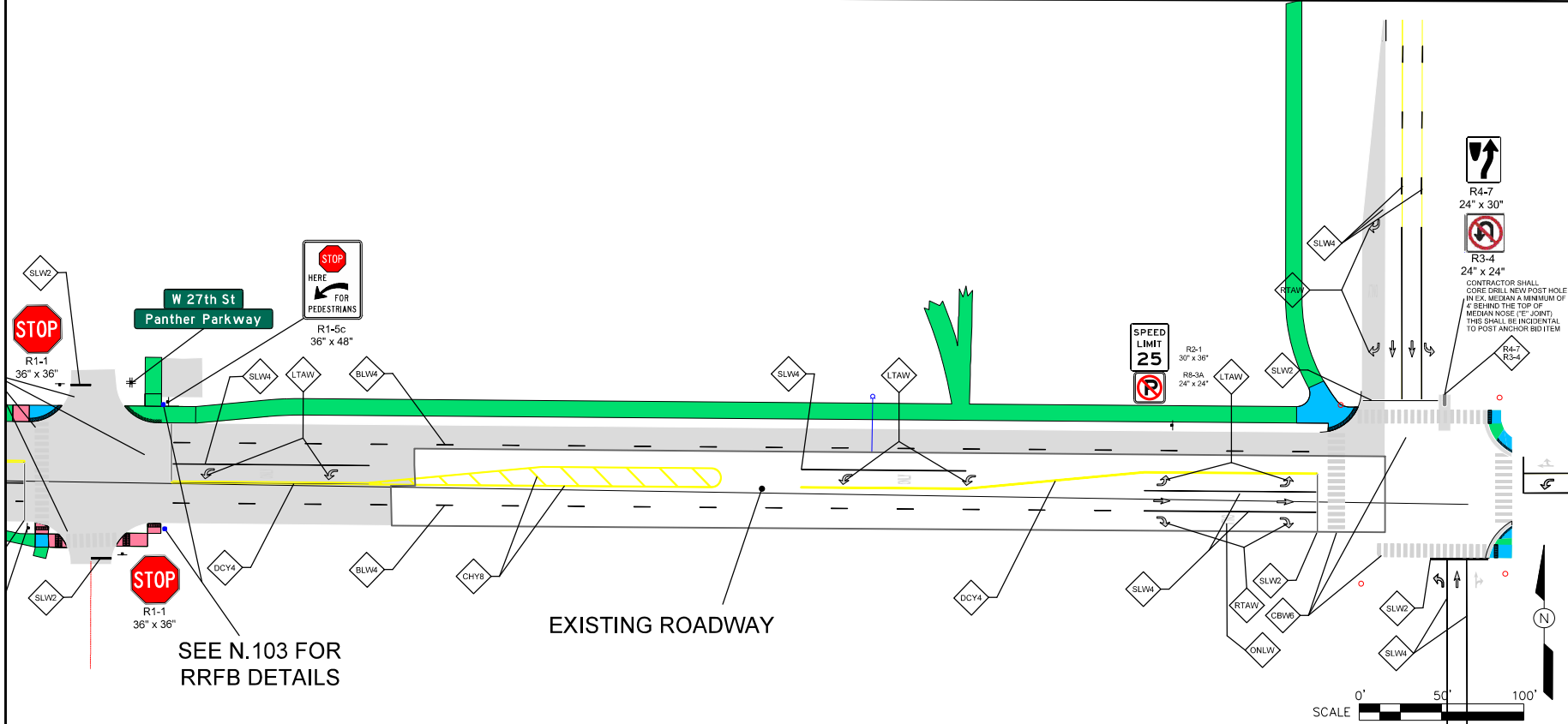
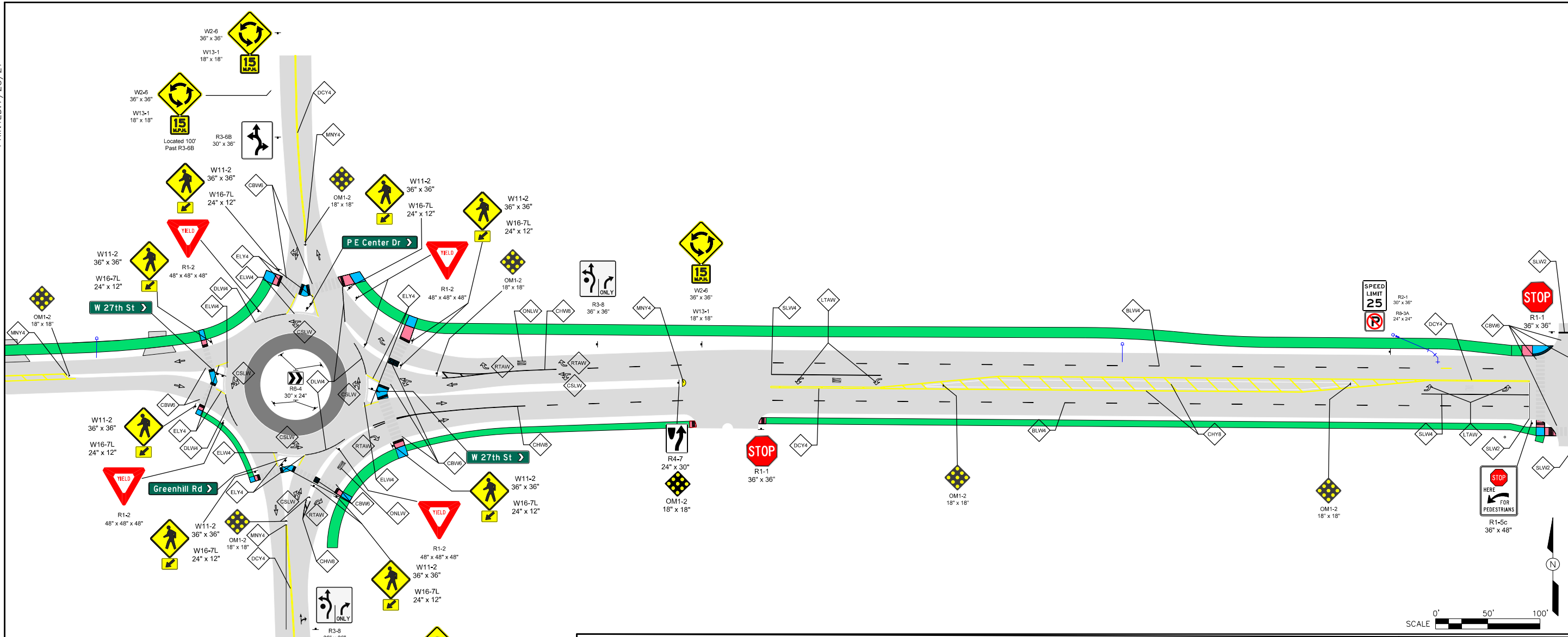
WEST 27th STREET RECON  
 RC-000-3240  
 TRAFFIC SIGNAL  
 TEMPORARY SIGNALS

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	264



PRINTED: 7/28/21

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SCALE 0' 50' 100'

SCALE 0' 50' 100'

Item 17.	DATE
	DRN / CHK
	REVISIONS
	NO
DRN 13/24/21 Degen, Michael N.	APP
DES 11/25/22 Martin, Shane M.	CHK
APP	APP
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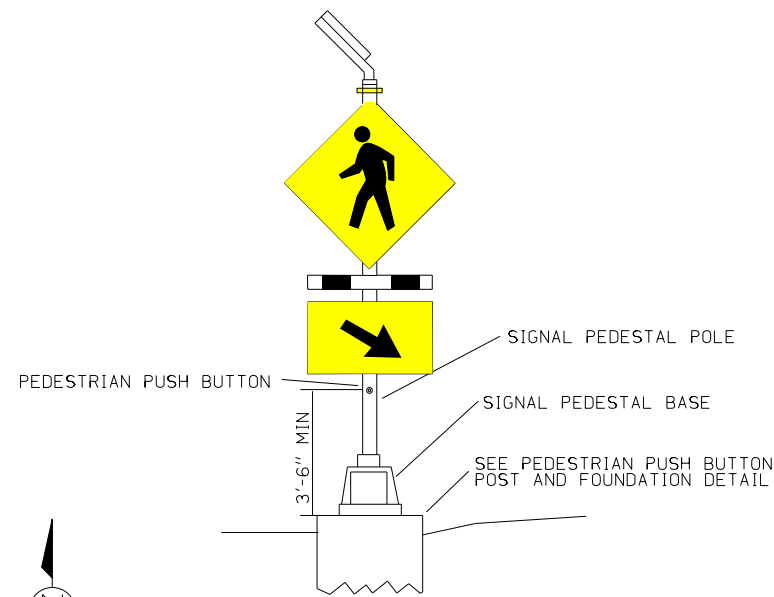
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WEST 27TH STREET RECON  
RC-000-3240

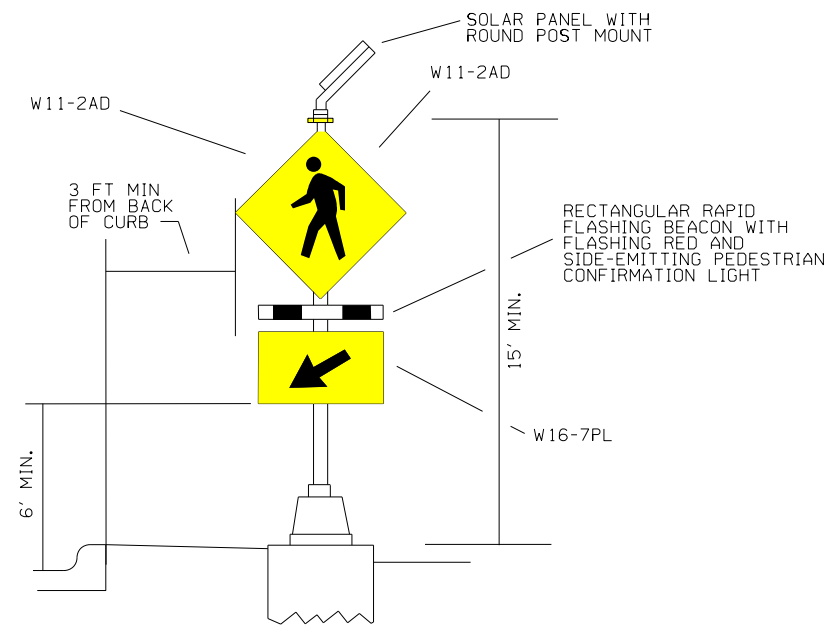
PAVEMENT MARKINGS AND  
SIGNS

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	266
DRAWING NO.	N.102

FLASHER BACK VIEW



FLASHER FRONT VIEW



PEDESTRIAN CROSSING PEDESTAL DETAIL  
NOT TO SCALE

SCALES:  
1" = 40' HOR  
1" = 10' VER

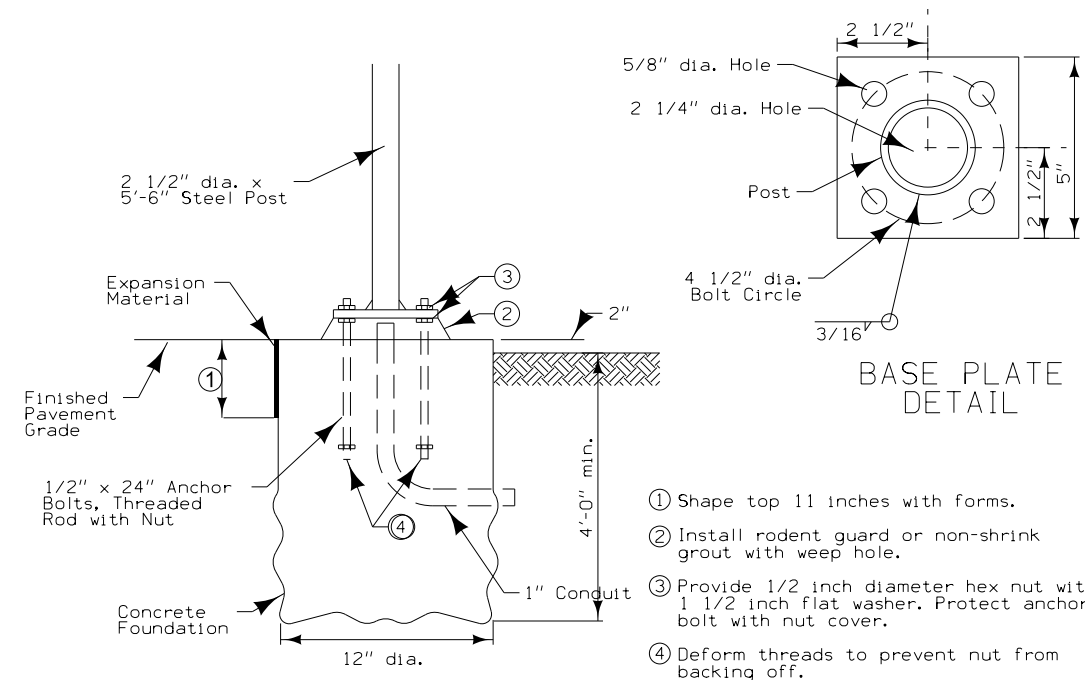
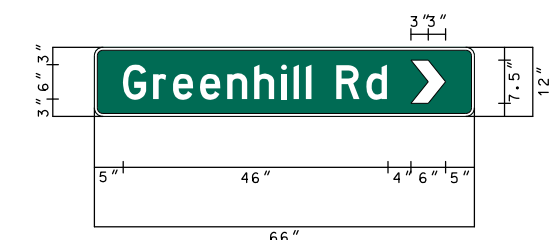
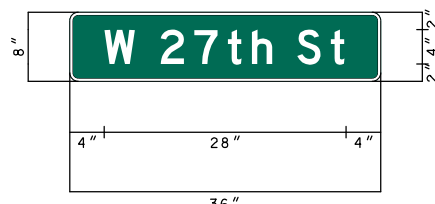
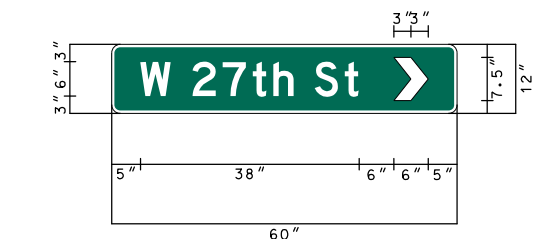
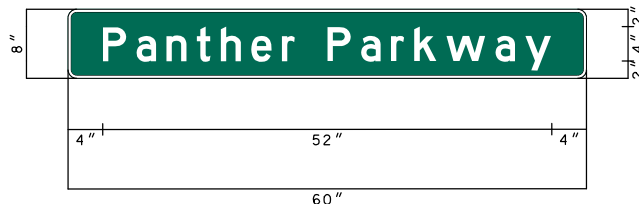
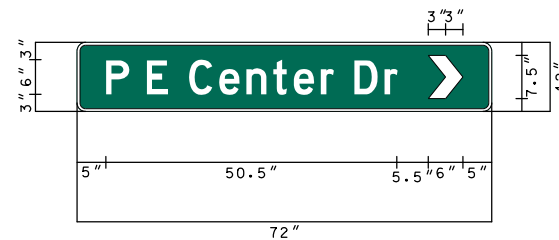
DUAL MOUNTED RECTANGULAR RAPID FLASH BEACON PEDESTRIAN SIGN ASSEMBLY GENERAL NOTES

A. Each sign assembly shall be front and back and have two, 36 inch x 36 inch, W11-2AD pedestrian signs. Both W11-2AD signs shall have a W16-7P(L/R) arrow sign mounted directly below each one. Each sign assembly shall have a R10-25 mounted above the Pedestrian Push Button. 3M DG3 fluorescent yellow sheeting shall be used on the W11-2AD and W16-17P(L/R) sign faces.

B. Each sign assembly shall have a rectangular flashing unit on both sides, with at least two yellow side-by-side LED arrays mounted between the W11-2AD and W16-7P(L/R) signs. The LEDs shall be clearly visible both day and night. LEDs shall be high-intensity and shall be rapid flash when activated.

C. LEDs shall be push button activated and each assembly shall have an ADA push button (refer to push button section of specifications). Pushing the button on one sign assembly shall activate all sign assemblies at that ramp location. The flashing time, the time between when the button is pushed until flashing stops, shall be adjustable by the user without the use of separate software.

D. Footing, Pole, Push Buttons, Signs as shown on this detail, and Rectangular Rapid Flashing Beacons shall be included in lump sum price bid for traffic signalization, refer to N-Sheets. Rectangular Rapid Flashing Beacon shall be solar powered and incidental to bid item.



PEDESTRIAN PUSH BUTTON POST AND FOUNDATION  
NOT TO SCALE

GENERAL LIGHTING NOTES

THE CONTRACTOR SHALL SUBMIT A LIST OF LIGHTING EQUIPMENT THAT IS PROPOSED FOR INSTALLATION. SHOP DRAWINGS WILL BE REQUIRED FOR LIGHT POLES.

REMOVAL OF STREET LIGHTS. FOR CEDAR FALLS UTILITIES (CFU) OWNED LIGHTS: THE CONTRACTOR SHALL COORDINATE REMOVAL OF LIGHTS WITH CFU TO HAVE LIGHTS REMOVED DURING EACH STAGE OF CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF STREET LIGHT CONDUIT AND CABLE TO POWER SOURCE FOR EACH LIGHT THAT IS TO BE REMOVED. REMOVAL OF CONCRETE FOOTING IS INCLUDED IN THIS CONTRACT.

ALL LIGHTS SHALL BE FED FROM UNDERGROUND. AS SHOWN IN THE PLANS AND AS DIRECTED BY CFU.

CONTRACTOR SHALL PROVIDE ALL NECESSARY CABLE SPLICES AND CONNECTOR ASSEMBLIES (L-1, L-2, Y-1, Y-2 OR Y-3) AT EACH BASE OR HANDHOLE LOCATION. PROVIDE A FUSE FOR EACH CONDUCTOR AS SHOWN ON P-02.

ALL UNDERGROUND LIGHTING CONDUITS SHALL BE POLYETHYLENE (PE) DUCT, PVC SCH 80 OR RIGID STEEL AS SHOWN IN THE PLANS. THE PE DUCT SHALL BE INSTALLED DIRECTLY FROM THE REELS ON WHICH IT WAS SHIPPED, IN CONTINUOUS SPANS BETWEEN TERMINAL POINTS. SPLICING WILL ONLY BE PERMITTED IN POLE HANDHOLES OR JUNCTION BOXES ON BRIDGE STRUCTURES ABOVE GRADE. UNDERGROUND SPLICES ARE NOT ALLOWED.

ALL LUMINAIRES SHALL HAVE PHOTOCELLS INSTALLED ON EACH FIXTURE.

LUMINAIRES SHALL BE PHILIPS LUMEC RFL 180W80LED4K R3M UNIV DMG RCD SP2 OR LEOTECH(202W) \*EC9-30M-MV-NW-3-GY530

ESTIMATED PROJECT QUANTITIES

ELECTRICAL CIRCUITS PULL ROPE ONLY	4442 LF
ELECTRICAL CIRCUITS	8477 LF
REMOVAL OF LIGHT POLE FOOTING	17 EA
TYPE 1 LIGHTING POLES WITH FOOTING AND LUMINAIRES	51 EA
HANDHOLE	18 EA
REMOVE AND REINSTALL PEDESTRIAN LIGHTS	2 EA
LIGHTING LANDSCAPE LUMINAIRE	2 EA

QUANTITIES SHOWN ARE FOR INFORMATIONAL AND ESTIMATING PURPOSES ONLY. VARIATIONS FROM THE QUANTITIES SHOWN SHALL NOT BY ITSELF BE CONSIDERED GROUNDS FOR CHANGE ORDER. CONTRACTOR SHALL BE PAID THE UNIT PRICE PER LINEAL FOOT OF ELECTRICAL CIRCUIT PLACED, MEASURED BETWEEN CABINETS, POLES AND/OR HANDHOLES, AND SHALL NOT INCLUDE MEASUREMENT FOR LENGTH OF CONNECTIONS TO LUMINAIRES IN POLES.

LIGHTING CABLES SHALL NOT PASS THROUGH TRAFFIC SIGNAL HANDHOLES OR BASES OF SIGNAL POLES.

LOCATIONS OF LIGHT POLES AND CABINETS SHALL BE REVIEWED IN THE FIELD AT TIME OF CONSTRUCTION, AND SHALL BE MODIFIED AS NECESSARY, AT NO ADDITION COST, TO AVOID UNNECESSARY IMPACTS TO EXISTING AND/OR PROPOSED UTILITIES, HOWEVER, LOCATION OF LIGHT POLE CONCRETE FOOTINGS SHALL BE A MINIMUM OF 1.5' FROM THE BACK OF CURB TO THE NEAREST FACE OF THE FOOTING, AND 2' FROM EDGE OF SHARED USE PATH.

POWER SERVICE LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL COORDINATE ALL TASKS INVOLVING POWER SERVICE CONNECTIONS WITH CFU. ALL ASSOCIATED COSTS, INCLUDING ELECTRIC UTILITY SERVICE POWER CONNECTIONS FROM THE LIGHT POLES AND CABINET TO THE NEAREST POWER SOURCE SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE INCLUDED IN THE BID PRICE FOR THE ELECTRICAL CIRCUITS.

THE LOCATIONS OF THE EXISTING UTILITIES SHOWN ON THE SHEETS ARE APPROXIMATE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE PROPER UTILITY COMPANIES AND CITY OFFICIALS FOR THE PURPOSE OF LOCATING UNDERGROUND FACILITIES AND COORDINATING CONSTRUCTION ACTIVITIES.

CONNECTION OF PROPOSED CONDUIT TO EXISTING HANDHOLES OR FOUNDATIONS SHALL BE CONSIDERED INCIDENTAL TO THE BID PRICE FOR THE ELECTRICAL CIRCUITS.

QUANTITY ESTIMATES INCLUDE SLACK CABLE IN THE POLES, HANDHOLES AND CONTROLLERS.

STATIONS AND OFFSETS SHOWN ON THE PLANS ARE TO THE CENTER OF THE ITEM UNLESS NOTED OTHERWISE.

ALL LIGHT POLE BASES SHALL HAVE A MINIMUM OF 2 CONDUIT STUBOUTS.

LIGHT BASE ELEVATIONS SHALL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION. LIGHT BASES SHALL BE BETWEEN 2 AND 4 INCHES ABOVE PROPOSED DIRT GRADE, AND 2 INCHES ABOVE MAXIMUM ADJACENT SIDEWALK GRADES.

IN AREAS WITH SLOPED GRADING THE LIGHT BASE SHALL BE CONSTRUCTED SO THE TOP OF LIGHT BASE SHALL BE ABOVE THE HIGHEST PORTION OF THE PROPOSED GRADE

ALL LIGHT BASES ALONG RECREATIONAL TRAIL SHALL PROVIDE 2' CLEAR ZONE FROM EDGE OF TRAIL TO CONCRETE FOOTING

LIGHTING LEGEND

EXISTING	PROPOSED	
		TRAFFIC SIGNAL POLE
		PEDESTAL SIGNAL POLE
		UTILITY POLE
		LIGHT POLE AND FOUNDATION
		DUAL LIGHT POLE AND FOUNDATION
		HANDHOLE AND IDENTIFYING NUMBER - TYPE 2 OR 3
		TRENCHED LIGHTING CONDUIT

Item 17.

DRN	Westley, Kasey
DES	
CHK	Sweeney, Michelle
APP	
RECOM	
NO	
DRN	CHK
REVISIONS	
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WEST 27th STREET RECON  
RC-000-3240

LIGHTING DETAILS

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	268

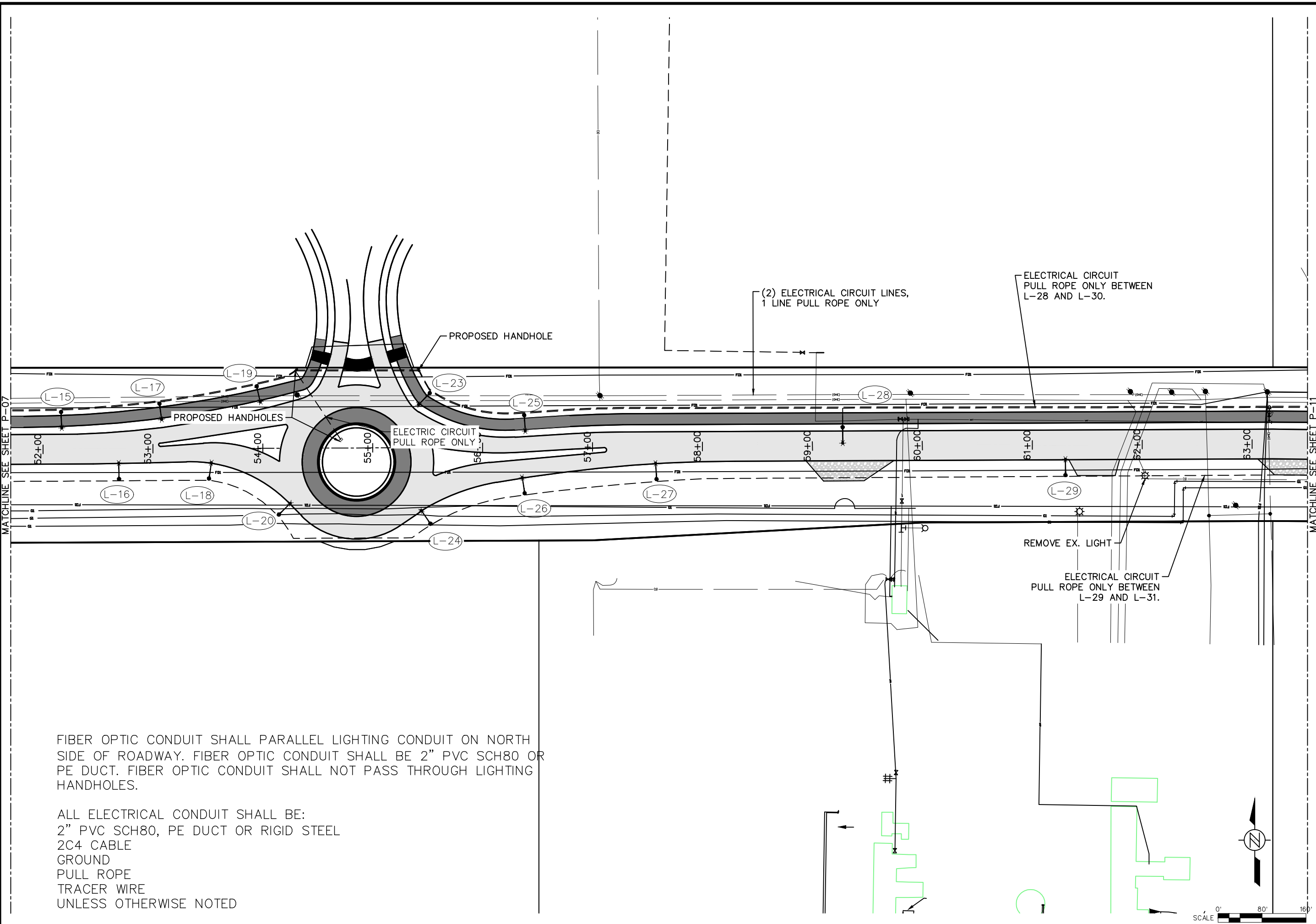






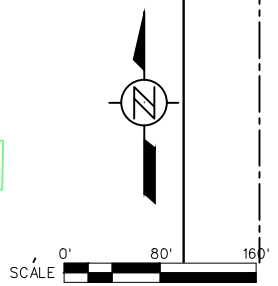
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FIBER OPTIC CONDUIT SHALL PARALLEL LIGHTING CONDUIT ON NORTH SIDE OF ROADWAY. FIBER OPTIC CONDUIT SHALL BE 2" PVC SCH80 OR PE DUCT. FIBER OPTIC CONDUIT SHALL NOT PASS THROUGH LIGHTING HANDHOLES.

ALL ELECTRICAL CONDUIT SHALL BE:  
 2" PVC SCH80, PE DUCT OR RIGID STEEL  
 2C4 CABLE  
 GROUND  
 PULL ROPE  
 TRACER WIRE  
 UNLESS OTHERWISE NOTED



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DRN	Westley, Kasey	DES			
CHK	Sweeney, Michelle	APP			
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WEST 27th STREET RECON  
 RC-000-3240  
 LIGHTING LAYOUT  
 STA 51+75 TO STA 63+50

DATE: 3-25-2022  
 PROJECT NO.: 60637669  
 MILESTONE: FINAL PLANS  
 SHEET NO.: 271  
 DRAWING NO.: 271

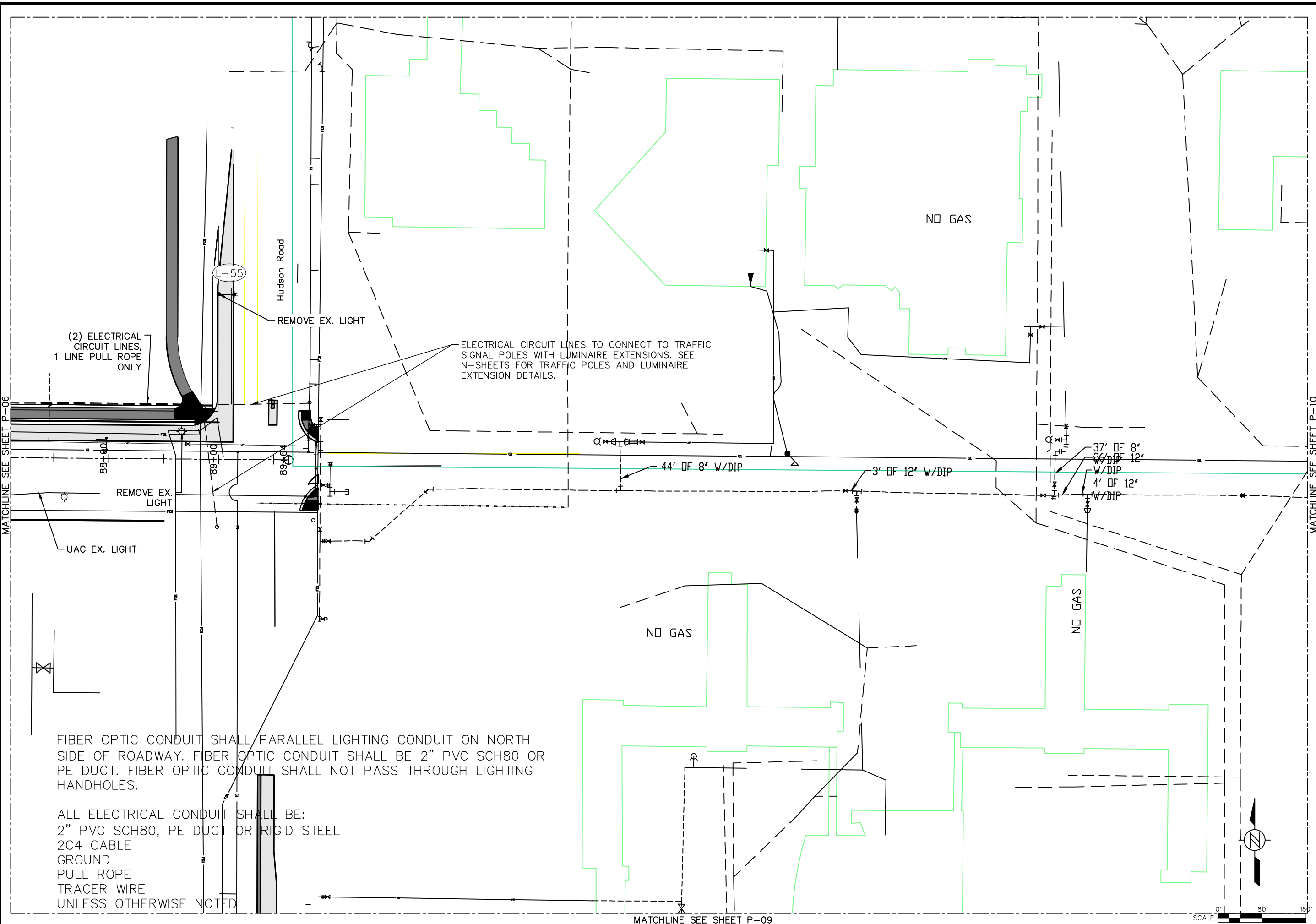






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DRN	Westley, Casey
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CHK	Sweeney, Michelle
APP	
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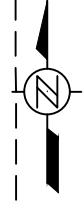
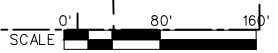
REVISIONS

NO			
DRN	CHK		



WEST 27th STREET RECON  
RC-000-3240  
LIGHTING LAYOUT  
STA 87+00 TO 89+64

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	274
DRAWING NO.	274



110-1 04-16-13 REMOVAL OF PAVEMENT Refer to Tabulation 102-5						
* Not a Bid Item						
Begin Station	End Station	Side	Pavement Type	Area	Saw Cut*	Remarks
				SY	LF	
42+84.34	63+33.74	EB/WB	PCC	7811.1	34.0	W 27th
63+33.74	68+22.88	EB/WB	PCC	2383.4		W 27th
68+22.88	69+78.12	EB/WB	PCC	1795.0		27th & Greenhill Rd Intersection
0+72.68	3+21.37	NB/SB	PCC	1078.6	25.0	Greenhill Rd North
1+63.16	3+57.92	NB/SB	PCC	842.1	34.6	Greenhill Rd South
			PCC			
69+78.12	74+98.14	EB/WB	PCC	2929.3		W 27th
72+75.88	73+60.16	EB	PCC	94.1		The Quarters Apartments Driveway Area
74+98.14	76+25.20	EB/WB	PCC	619.5		W 27th
76+25.20	79+54.45	EB/WB	PCC	1598.1		W 27th
79+54.45	81+59.35	EB/WB	PCC	1419.6	52.4	27th & Panther Parkway Intersection
81+59.35	83+08.88	EB/WB	PCC	827.5	39.0	W 27th
83+08.88	83+23.10	WB	PCC	39.3	25.0	W 27th
2190+30.61	2191+29.42	NB	PCC	92.8	82.7	Hudson Rd Left Turn Lane & Median
2194+33.12	2194+54.54	SB	PCC	16.9	47.9	NW Quad Removal Hudson Rd & 27th St
2194+47.84	2194+62.70	CENTER	PCC	18.9	45.0	Hudson Rd Median Removal (Crosswalk Area)
			Total:	21566.1	385.6	

110-4 08-01-08 CURB REMOVAL				
Begin Station	End Station	Side	Length	Remarks
			LF	
83+23.00	89+04.50	L	563.0	W 27TH ST
2194+42.60	2196+98.10	L	243.5	SB HUDSON RT TURN LANE, 2.0'
2188+78.80	2191+29.60	R	152.0	NB HUDSON LT TURN LANE, 2.5'
2193+69.95	2193+91.50	R	32.3	SE QUAD HUDSON/27TH
2194+34.60	2194+60.70	R	34.5	NE QUAD HUDSON/27TH
			Total:	1025.3

110-08 04-17-18 REMOVAL OF CONCRETE DRIVES				
* Not a Bid Item				
Location Station	Side	Area	Saw Cut*	Remarks
		SY	LF	
61+60.15	RT	102.2	23.5	QTY INCL IN SIDEWALK REMOVALS
72+98.89	RT		30.0	QTY INCL IN PCC REMOVALS
73+35.22	RT		30.0	QTY INCL IN PCC REMOVALS
		102.2	83.5	

100-08 04-17-18 REMOVAL OF FENCE					
Removal of Field Fence is incidental to Clearing and Grubbing.					
Location		Type	Length LF	Remarks	
From Station	To Station				
46+43.92	48+15.30	Field	171.0	South side W 27th	
		Total:	171.0		

110-5 10-20-15 SIDEWALK REMOVAL				
* Not a bid item				
Begin Station	End Station	Area	Saw Cut*	Remarks
		SY	LF	
3+16.88	4+53.91	153.2	10.0	South Greenhill
80+85.19	81+12.65	34.4	7.7	SW Panther PKWY
81+41.52	81+72.87	20.6	15.0	SE Panther PKWY
80+93.15	81+12.92	22.5		NW Panther PKWY
81+44.64	81+92.00	98.3	10.0	NE Panther PKWY
81+92.04	88+67.04	437.7	34.0	N side W 27th
2194+35.22	2197+10.76	349.1	10.0	W side Hudson
2194+36.12	2194+53.45	10.9	20.0	NE side Hudson
2193+73.90	2193+96.10	22.7	38.0	SE side Hudson
		Total:	1149.5	144.7

110-14 04-16-13 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 or Removal	Length of Pipe		Fill Material*	Remarks
			≤ 36 inch diameter	> 36 inch diameter	Flowable Mortar or CLSM	
			LF	LF	CY	
55+75	Storm Sewer	Removal	90			1
68+37, 36' LT - 68+79, 90' LT	Storm Sewer	Removal	71			2
68+79, 90' LT - 69+31, 90' LT	Storm Sewer	Removal	52			3
69+31, 90' LT - 69+52, 57' LT	Storm Sewer	Removal	39			4
69+52, 57' LT - 69+68, 36' LT	Storm Sewer	Removal	27			5
69+68, 36' LT - 69+62, 55' RT	Storm Sewer	Removal	90			6
69+62, 55' RT - 68+41, 56' RT	Storm Sewer	Removal	121			7
69+62, 55' RT - 69+72, 87' RT	Storm Sewer	Removal	34			8
69+68, 36' LT - 71+44, 35' LT	Storm Sewer	Removal	176			9
76+91, 18' LT - 78+46, 15' LT	Storm Sewer	Removal	155			10
78+46, 15' LT - 80+61, 18' LT	Storm Sewer	Removal	215			11
80+61, 18' LT - 80+63, 28' LT	Storm Sewer	Removal	10			12
80+63, 28' LT - 80+62, 32' LT	Storm Sewer	Removal	3			13
80+63, 28' LT - 81+73, 28' LT	Storm Sewer	Removal	110			14
81+73, 28' LT - 83+91, 23' LT	Storm Sewer	Removal	218			15
83+91, 23' LT - 83+91, 16' LT	Storm Sewer	Removal	7			16
83+91, 23' LT - 84+31, 20' LT	Storm Sewer	Removal	39			17
84+31, 20' LT - 86+94, 39' LT	Storm Sewer	Removal	265			18
		TOTAL:	1722			

110-2 04-16-13 REMOVAL OF MANHOLES OR INTAKES		
Location	Description	Remarks
68+31 OS -31	STORM INTAKE	1
68+82 OS -92	STORM INTAKE	2
69+29 OS -92	STORM INTAKE	3
69+52 OS -57	STORM MANHOLE	4
69+66 OS -33	STORM INTAKE	5
69+62 OS 55	STORM MANHOLE	6
71+41 OS -32	STORM INTAKE	7
76+88 OS -15	STORM INTAKE	8
78+41 OS -13	STORM INTAKE	9
80+61 OS -16	STORM INTAKE	10
80+63 OS -27	STORM MANHOLE	11
81+73 OS -28	STORM MANHOLE	12
83+90 OS -18	STORM INTAKE	13
84+30 OS -16	STORM INTAKE	14
86+94 OS -39	STORM INTAKE	15

**REMOVAL OF LIGHT POLES AND CONCRETE FOOTINGS**

No.	Location		Removal of Light Pole	Removal of Concrete Footing for Light Pole	Remarks
	Station	Offset Left    Right			
1	62+02.47	28.32	1	1	
2	64+28.47	27.52	1	1	
3	66+57.60	27.53	1	1	
4	68+31.54	26.77	1	1	
5	70+12.34	25.1	1	1	
6	73+69.76	31.68	1	1	
7	76+02.16	36.53	1	1	
8	78+40.31	37.58	1	1	
9	79+55.63	26.33	1	1	
10	80+69.16	40.19	1	1	
11	81+78.40	25.1	1	1	
12	83+21.10	37.02	1	1	REMOVE AND REINSTALL EX. TRAIL LIGHT POLE
13	84+08.66	24.9	1	1	
14	86+36.83	25.18	1	1	
15	86+47.84	35.32	1	1	REMOVE AND REINSTALL EX. TRAIL LIGHT POLE
16	88+66.04	25.31	1	1	
17	2195+67.40	34.5	1	1	
Total:				17	NOTES: CONTRACTOR SHALL COORDINATE REMOVAL OF LIGHT POLES AND FOOTINGS WITH CFU.

**EXISTING SIGNS TO BE REMOVED**

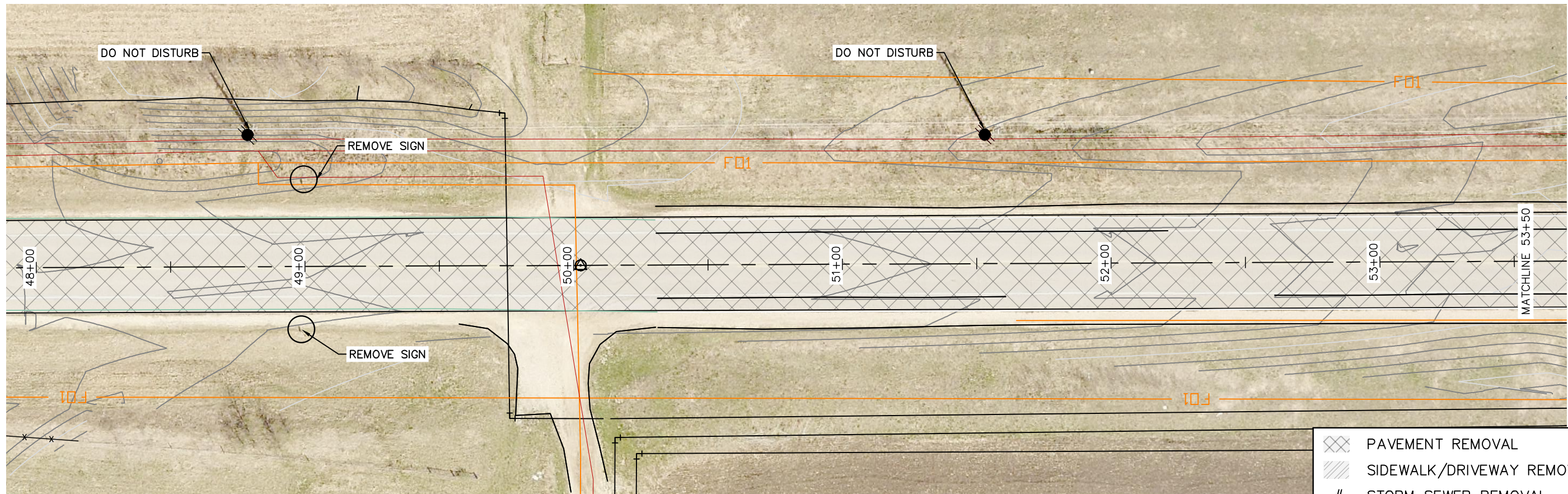
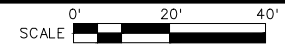
SIGN NUMBER OR DESCRIPTION	LOCATION STATION	DIRECTION OF TRAVEL	TYPE 'A' SIGN ASSEMBLY	TYPE 'B' SIGN ASSEMBLY	REMOVE & REINSTALL EXISTING SIGNS		CONCRETE FOUNDATION	SUPPORT STRUCTURE & FOUNDATION	APPLICABLE SIGNING NOTES	REMARKS
			(RA)	(RB)	TYPE 'A'	TYPE 'B'				
			EACH	EACH	EACH	EACH				
W14-3	56+11.02	WB	1		1					
W14-3	59+09.22	EB	1		1					
R2-1, R8-3A	61+99.23	EB	1		1					
7th St & Greenhill Rd	6+69.79	SB	1		1					SW Corner
R1-1	6+64.63	SB	1		1					NW Corner
R1-1	2+45.19	NB	1		1					SE Corner
R5-3	2+58.54	NB	1		1					SE Corner
W14-2	1+97.17	NB	1		1					NE Corner
R2-1	71+05.15	EB	1		1					
W2-2, Greenhill Rd	72+84.40	WB	1		1					
R1-1	73+52.37	NB	1		1					
Buried Gas	76+51.26	EB								
R2-1, R8-3A	79+59.95	WB	1		1					
R1-1	181+68.41	SB	1		1					NW Corner
	181+68.77	SB	1		1					NW Corner
W 27th St & Panther Parkway	181+73.37	SB	1		1					NE Corner
R3-7R	82+13.66	WB	1		1					
R2-1, R8-3A	87+82.92	WB	1		1					
Trails Partnership Tr	289+55.07	SB		1	1.0	1.0				NW Corner
Trails Partnership Tr	289+55.07	SB		1	1.0	1.0				NW Corner
Total:			17	2	17	2.0	2.0			





**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												All Other Materials		Estimated Quantities			Remarks		
			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"	Length	Width	Units	Area		Herbicide Application	
															FT	FT	Units	Acres	Each			
5482.0' to 5618.31', RT	EB	Brush - Clearing															91.1	42.3	30.8			5143.3 SF
69+88, 81' RT	NB/EB	Trees - Clearing																	11.4			
81+48, 50' LT	WB/SB	Trees - Clearing																	11.4			
88+30, 35' LT	WB	Trees - Clearing																	11.4			
88+68, 169' LT	SB	Trees - Clearing																	11.4			
2189+88	NB/EB	Trees - Clearing			5														76.4	TOTAL		
Total:					5																	



PRINTED: 3/25/22



-  PAVEMENT REMOVAL
-  SIDEWALK/DRIVEWAY REMOVAL
-  STORM SEWER REMOVAL
-  INTAKE/MANHOLE REMOVAL

NOTES: CONTRACTOR SHALL COORDINATE ALL LIGHT POLE REMOVALS WITH CEDAR FALLS UTILITIES. LIGHT POLES TO BE REMOVED BY OTHERS BUT FOOTINGS SHALL BE REMOVED BY THE CONTRACTOR.

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Item 17.

DRN	Westley, Kasey
DES	
CHK	Sweeney, Michelle
APP	
NO	
REVISIONS	
DRN	CHK
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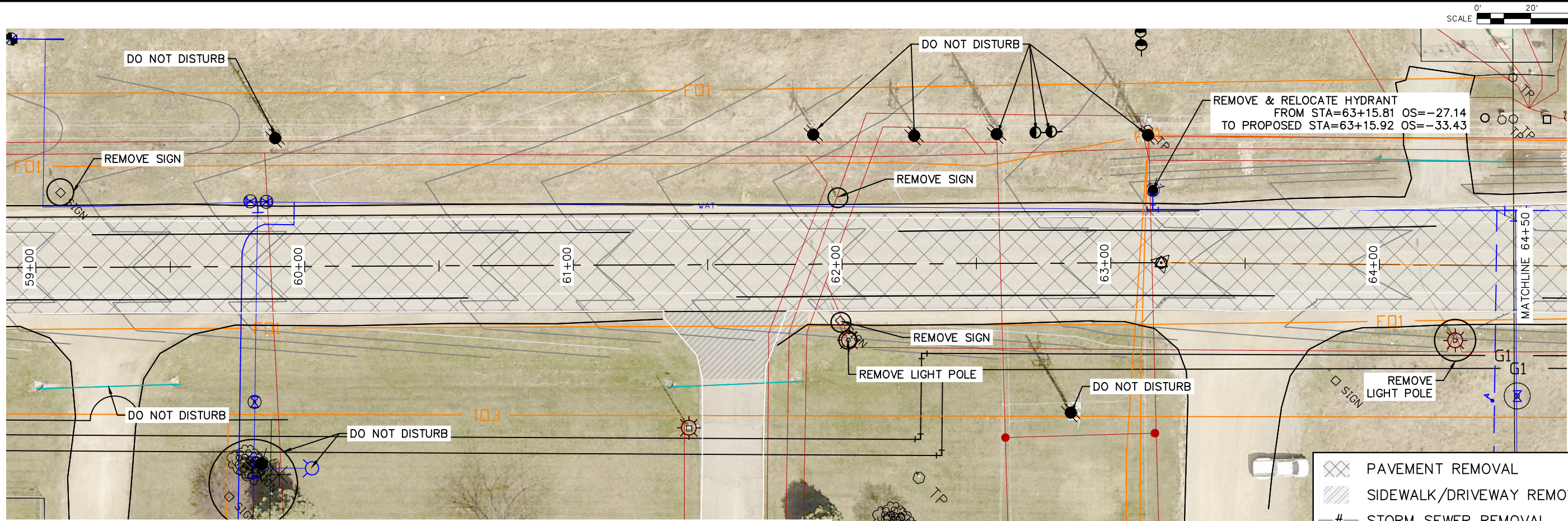
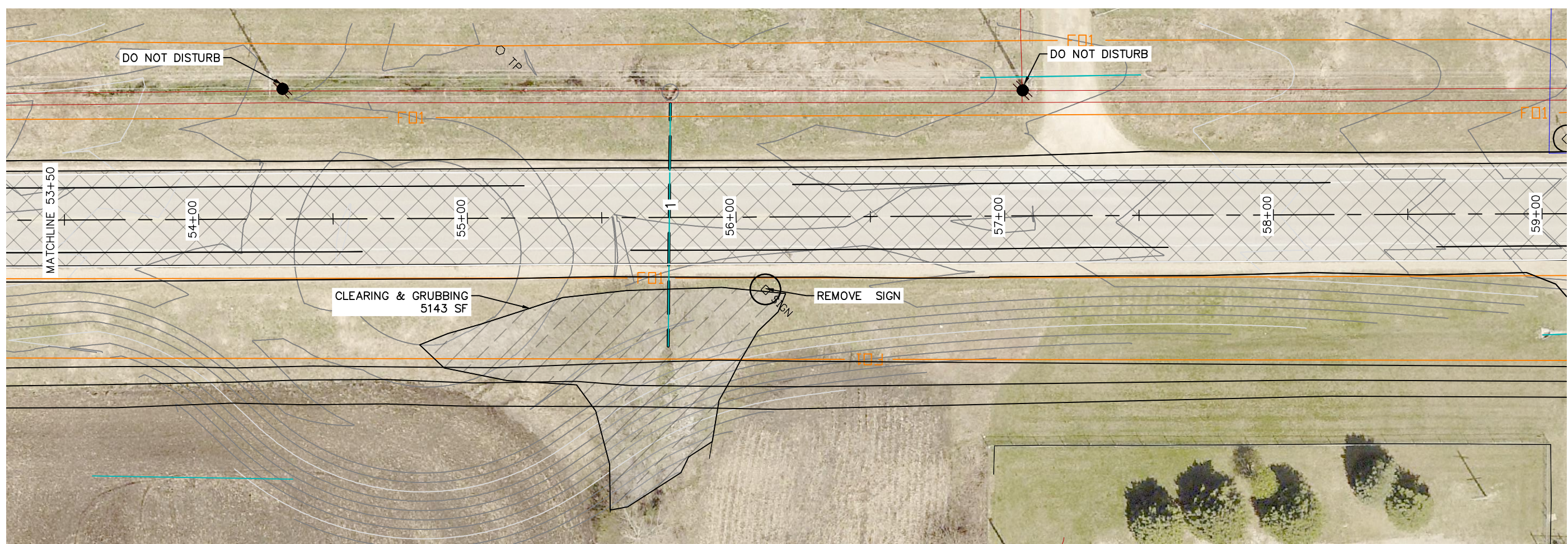
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WEST 27th STREET RECON  
RC-000-3240  
REMOVALS

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	277
DRAWING NO.	277



PRINTED: 3/25/22



NOTES: CONTRACTOR SHALL COORDINATE ALL LIGHT POLE REMOVALS WITH CEDAR FALLS UTILITIES. LIGHT POLES TO BE REMOVED BY OTHERS BUT FOOTINGS SHALL BE REMOVED BY THE CONTRACTOR.

- PAVEMENT REMOVAL
- SIDEWALK/DRIVEWAY REMOVAL
- STORM SEWER REMOVAL
- INTAKE/MANHOLE REMOVAL

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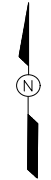
WEST 27th STREET RECON  
RC-000-3240  
REMOVALS

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	278

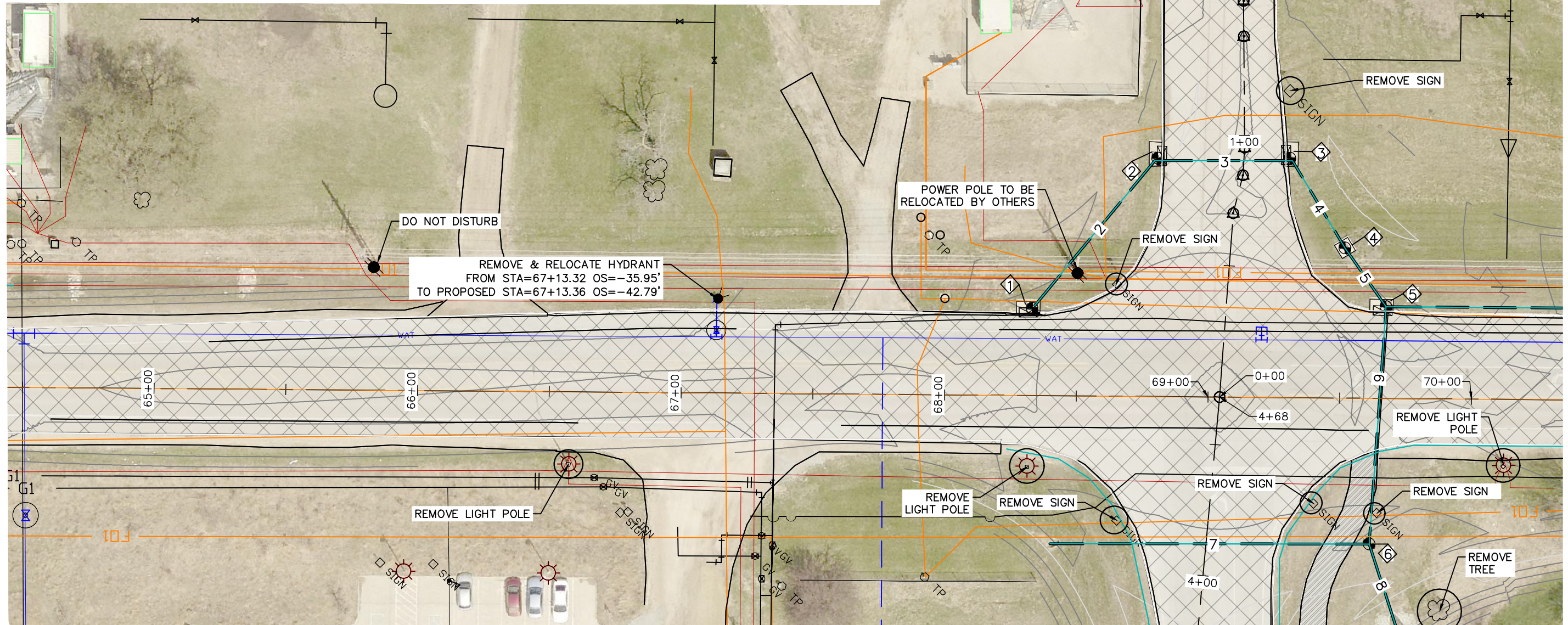


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-  PAVEMENT REMOVAL
-  SIDEWALK/DRIVEWAY REMOVAL
-  STORM SEWER REMOVAL
-  INTAKE/MANHOLE REMOVAL



NOTES: CONTRACTOR SHALL COORDINATE ALL LIGHT POLE REMOVALS WITH CEDAR FALLS UTILITIES. LIGHT POLES TO BE REMOVED BY OTHERS BUT FOOTINGS SHALL BE REMOVED BY THE CONTRACTOR.



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CHK	Sweeney, Michelle
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RECOM	

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WEST 27th STREET RECON  
RC-000-3240  
REMOVALS

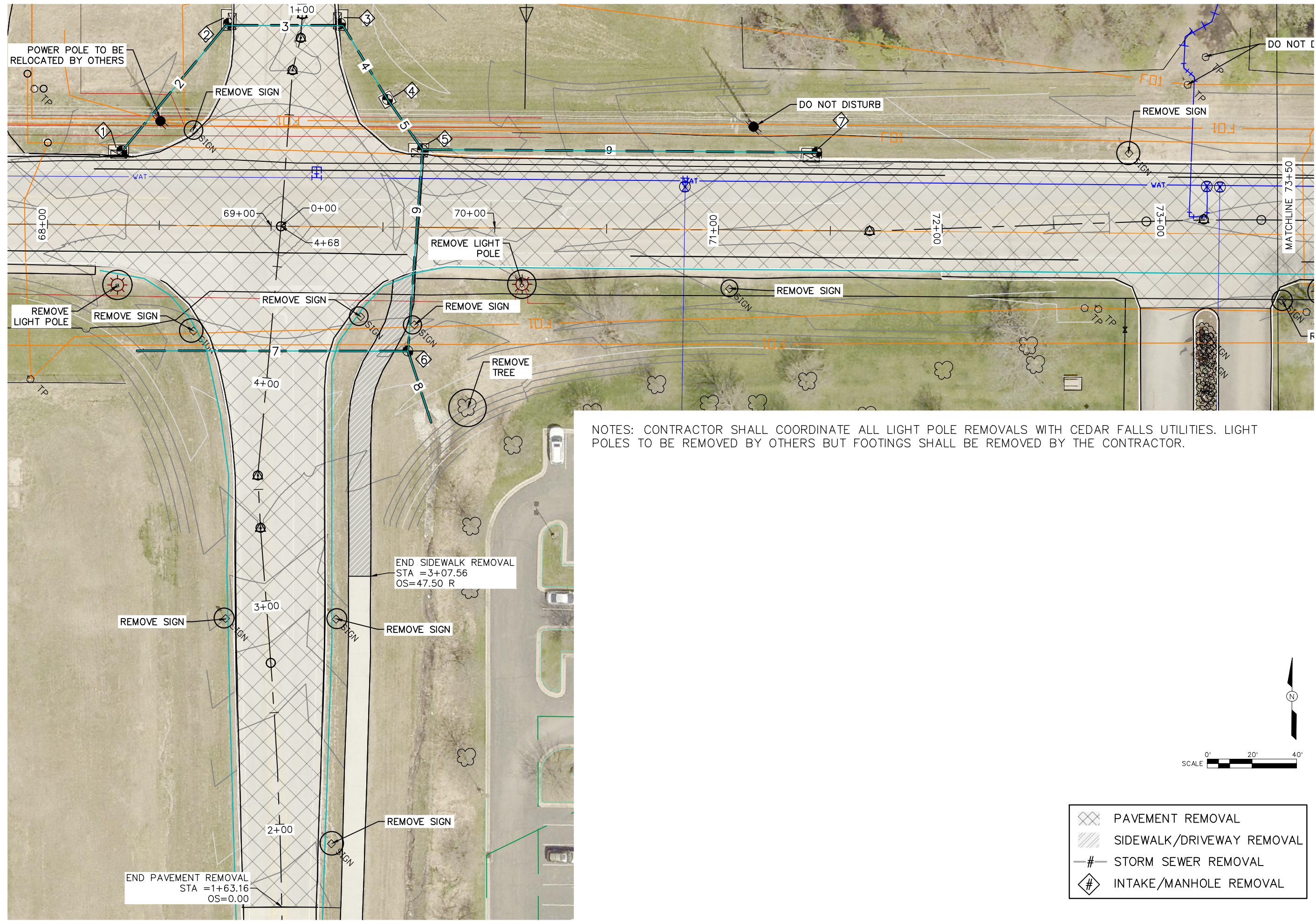
DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	279

NO	
REVISIONS	
DRN	CHK
DAT	

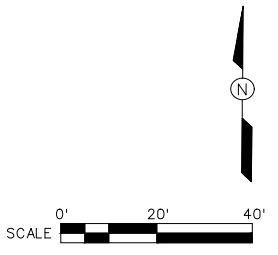


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NOTES: CONTRACTOR SHALL COORDINATE ALL LIGHT POLE REMOVALS WITH CEDAR FALLS UTILITIES. LIGHT POLES TO BE REMOVED BY OTHERS BUT FOOTINGS SHALL BE REMOVED BY THE CONTRACTOR.



- PAVEMENT REMOVAL
- SIDEWALK/DRIVEWAY REMOVAL
- STORM SEWER REMOVAL
- INTAKE/MANHOLE REMOVAL

Item 17.		DATE
DRN	Westley, Casey	DRN / CHK
DES		
CHK	Sweeney, Michelle	REVISIONS
APP		NO
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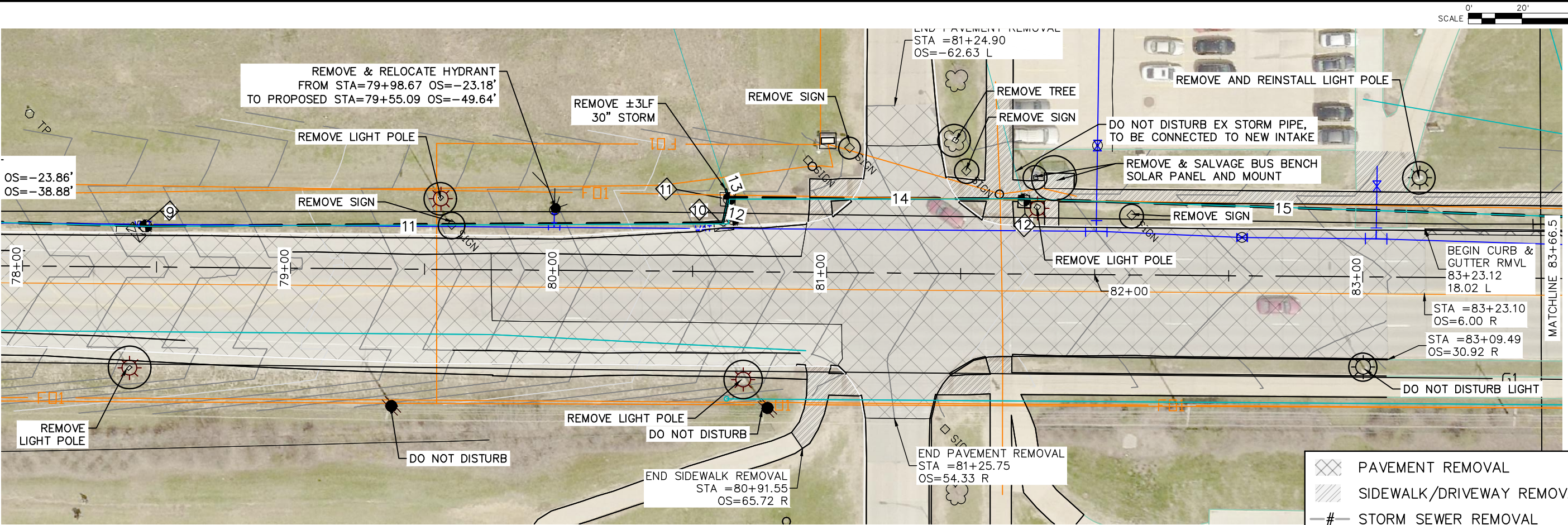
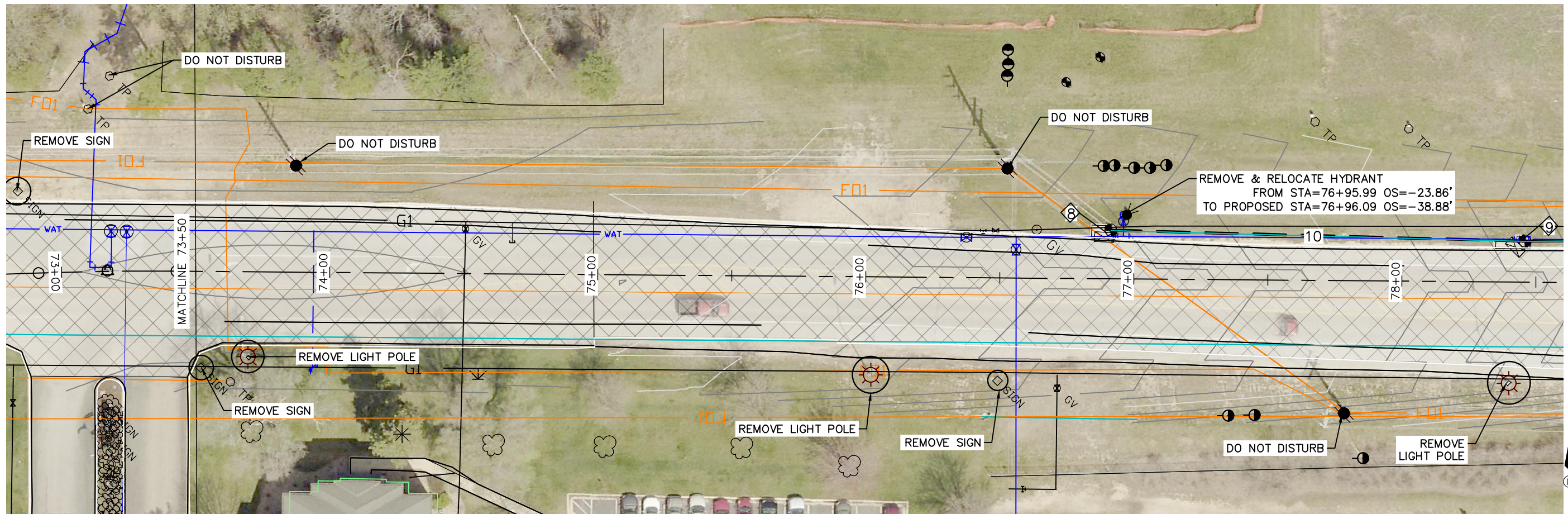


WEST 27th STREET RECON  
RC-000-3240  
REMOVALS

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	280
DRAWING NO.	280



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- PAVEMENT REMOVAL
- SIDEWALK/DRIVEWAY REMOVAL
- STORM SEWER REMOVAL
- INTAKE/MANHOLE REMOVAL

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CHK	Sweeney, Michelle
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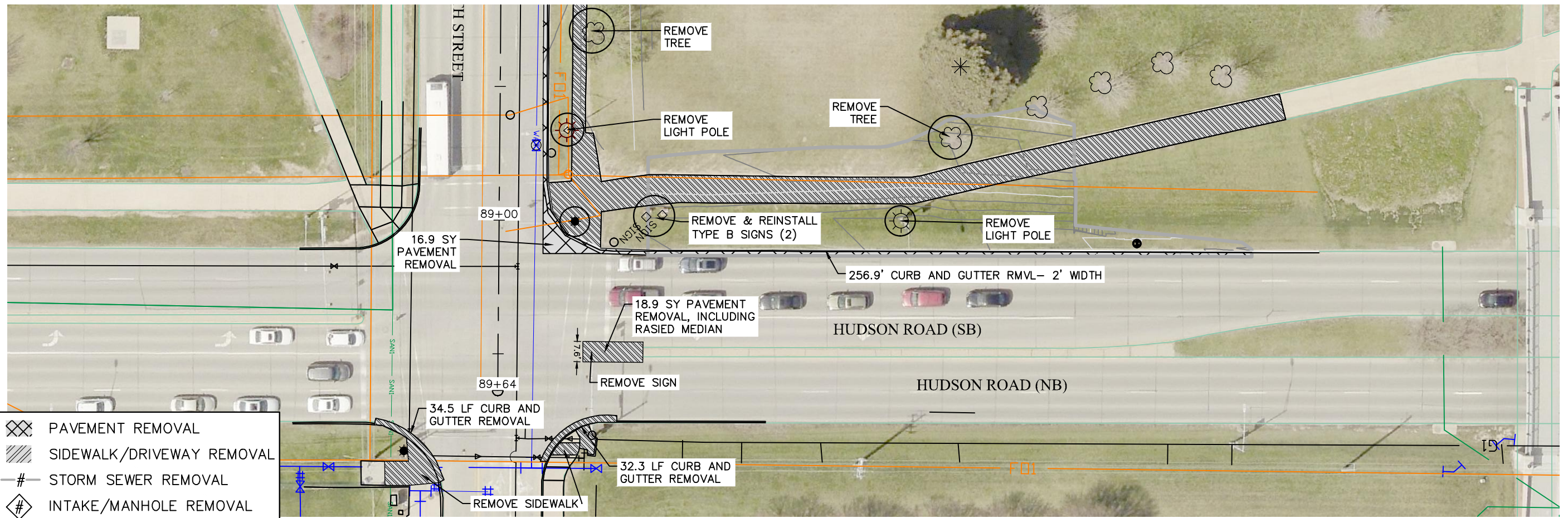
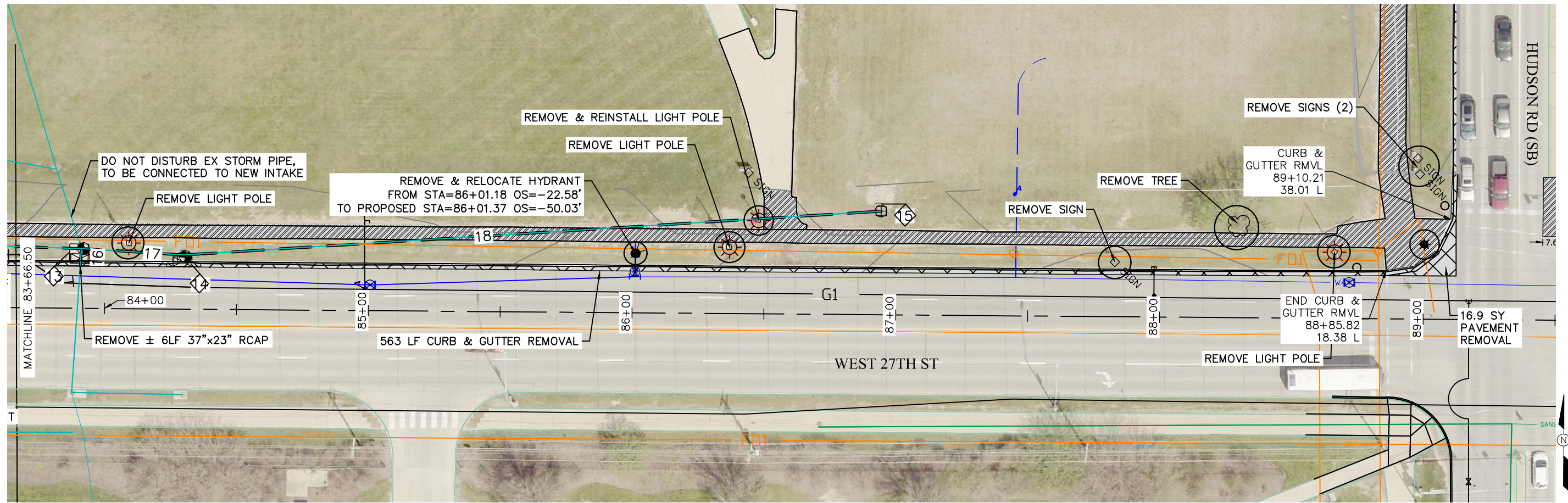
WEST 27th STREET RECON  
RC-000-3240

REMOVALS

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	281

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- PAVEMENT REMOVAL
- SIDEWALK/DRIVEWAY REMOVAL
- STORM SEWER REMOVAL
- INTAKE/MANHOLE REMOVAL

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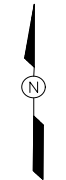
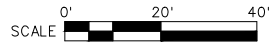
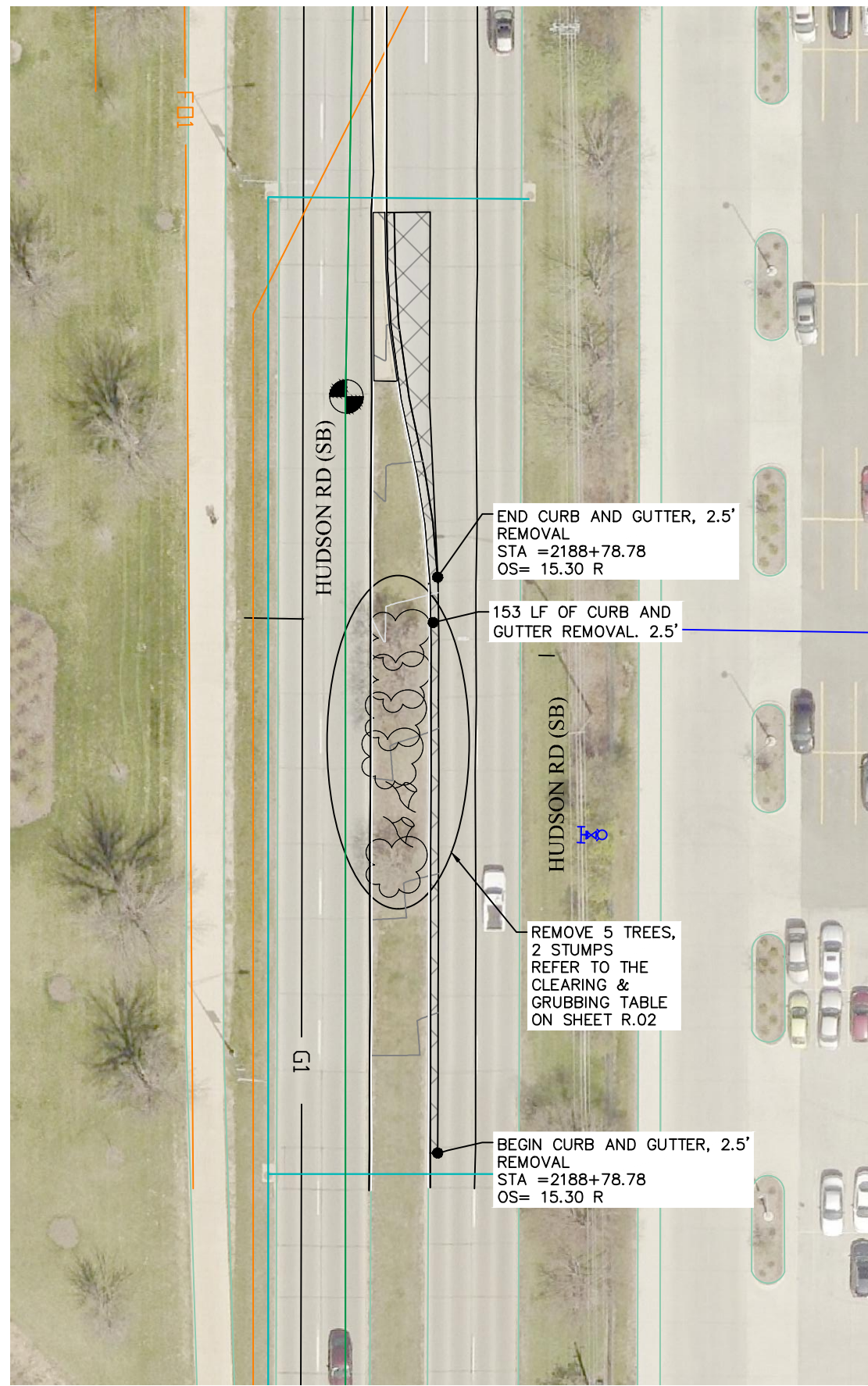
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WEST 27th STREET RECON  
RC-000-3240  
REMOVALS

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	282



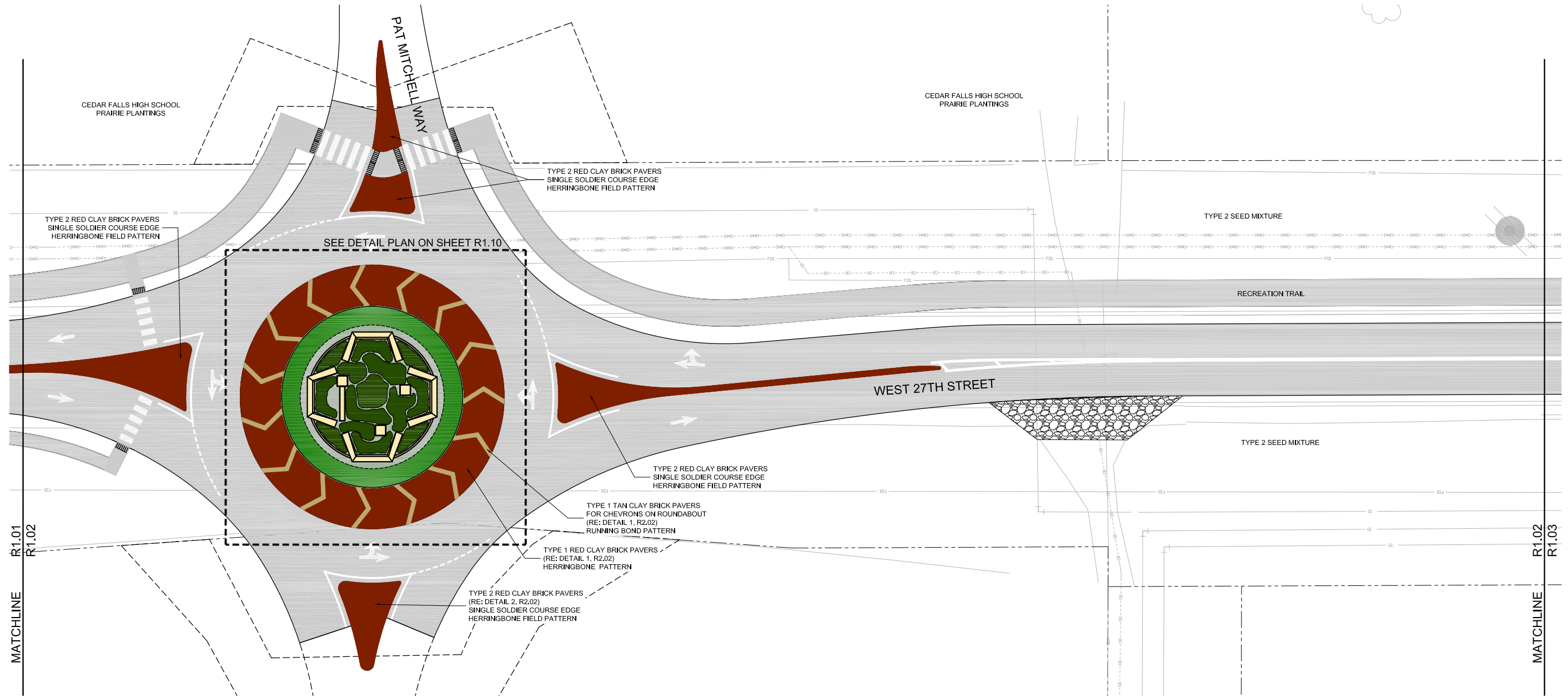
-  PAVEMENT REMOVAL
-  SIDEWALK/DRIVEWAY REMOVAL
-  STORM SEWER REMOVAL
-  INTAKE/MANHOLE REMOVAL



<b>AECOM</b>		WEST 27th STREET RECON RC-000-3240 REMOVALS	Item 17.
DRN   Westley, Casey	DES   Sweeney, Michelle	APP   Sweeney, Michelle	DATE
CHK   Sweeney, Michelle	APP   Sweeney, Michelle	Copyright © AECOM All Rights Reserved	NO
REVISIONS	NO	DRN	CHK
DATE: 3-25-2022		PROJECT NO.: 60637669	
MILESTONE: FINAL PLANS		SHEET NO.:	
DRAWING NO.:		283	



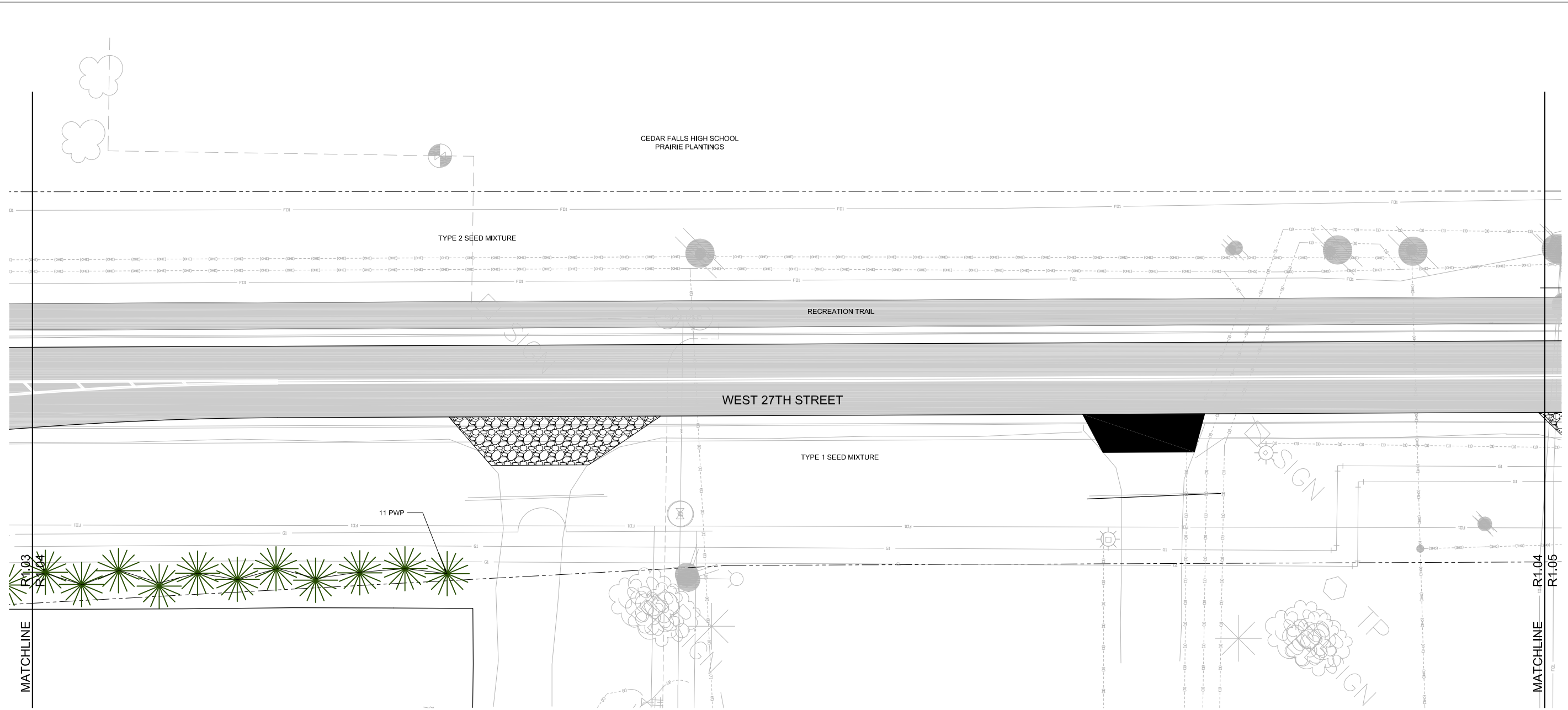




**1 ENHANCEMENT PLAN**  
SCALE IN FEET 0 20 40 60







**1 ENHANCEMENT PLAN**

SCALE IN FEET 0 20 40 60



Item 17.		DATE
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WEST 27TH STREET  
 RECONSTRUCTION - RC00-3240  
 Enhancement Plan

DATE	03/25/2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	287



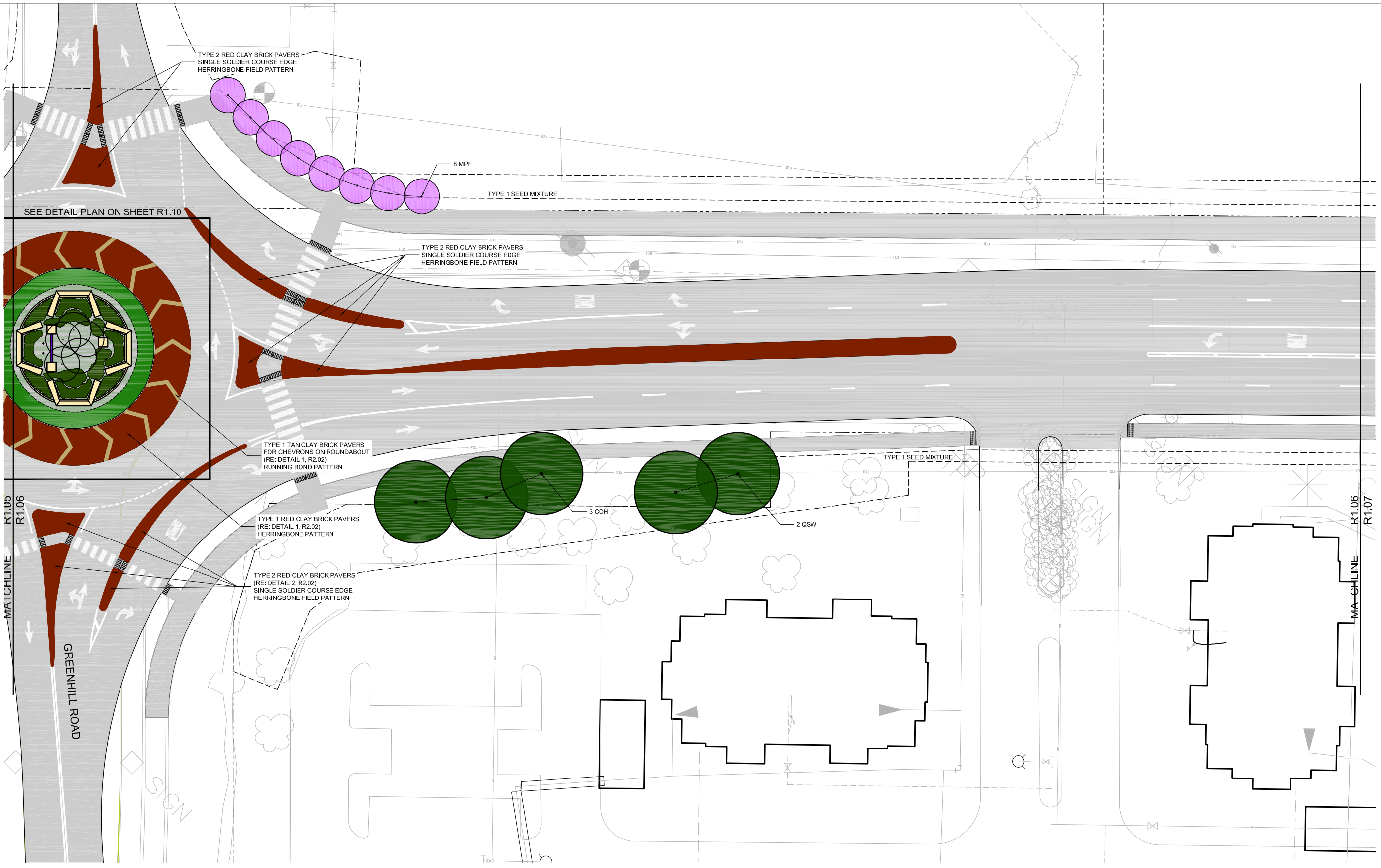


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 LANDSCAPE ARCHITECTS

WEST 27TH STREET  
 RECONSTRUCTION - RC00-3240  
 Enhancement Plan

DATE	03/25/2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	289



**1 ENHANCEMENT PLAN**  
 SCALE IN FEET 0 20 40 60





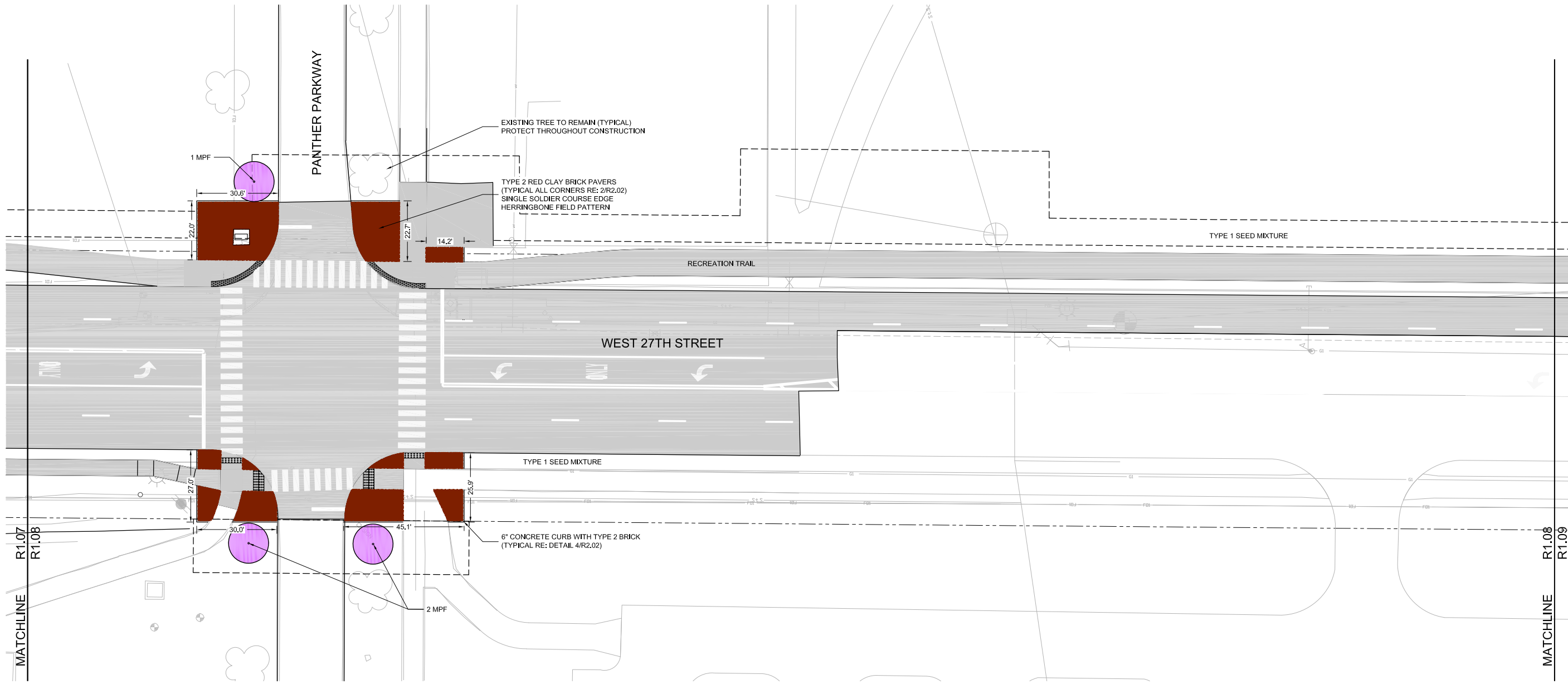
1 ENHANCEMENT PLAN  
SCALE IN FEET 0 20 40 60



DATE		03/25/2022
PROJECT NO.		60637669
MILESTONE		FINAL PLANS
SHEET NO.		290
DRAWING NO.		R1.07
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WEST 27TH STREET  
RECONSTRUCTION - RC00-3240  
Enhancement Plan



**1 ENHANCEMENT PLAN**  
SCALE IN FEET 0 20 40 60



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WEST 27TH STREET  
RECONSTRUCTION - RC00-3240  
Enhancement Plan

DATE	03/25/2022
PROJECT NO.	60637669
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WEST 27TH STREET  
 RECONSTRUCTION - RC00-3240  
 Enhancement Plan

DATE	03/25/2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	293
DRAWING NO.	293

7'-6" TALL LIMESTONE COLUMN ATTACHED TO 13'L X 5'T LIMESTONE MONUMENT SIGN WITH CAST STONE CAP ON PCC FOOTING (SEE DETAILS ON R2.05)

CAST STONE SIGN WALL (RE: DETAILS ON R2.03) SIGN TEXT = "WEST 27TH STREET"

TYPE 2 5' TALL LIMESTONE COLUMN WITH CAST STONE CAP ON PCC FOOTING (SEE DETAILS ON R2.04)

CAST STONE SIGN WALL (RE: DETAILS ON R2.03) SIGN TEXT = "PAT MITCHELL WAY"

CONCRETE CURB WITH TYPE 1 BRICK (RE: DETAIL 3/R2.02)

CAST STONE SIGN WALL (RE: DETAILS ON R2.03) SIGN TEXT = "PAT MITCHELL WAY"

TRUCK APRON FIELD AREA TYPE 1 RED CLAY BRICK PAVERS OVER CONCRETE BASE (RE: DETAIL 1, R2.02) RUNNING BOND PATTERN

TRUCK APRON CHEVRON TYPE 1 TAN CLAY BRICK PAVERS OVER CONCRETE BASE (RE: DETAIL 1, R2.02) RUNNING BOND PATTERN

TURFGRASS LAWN (TYPE 1 URBAN SEEDING)

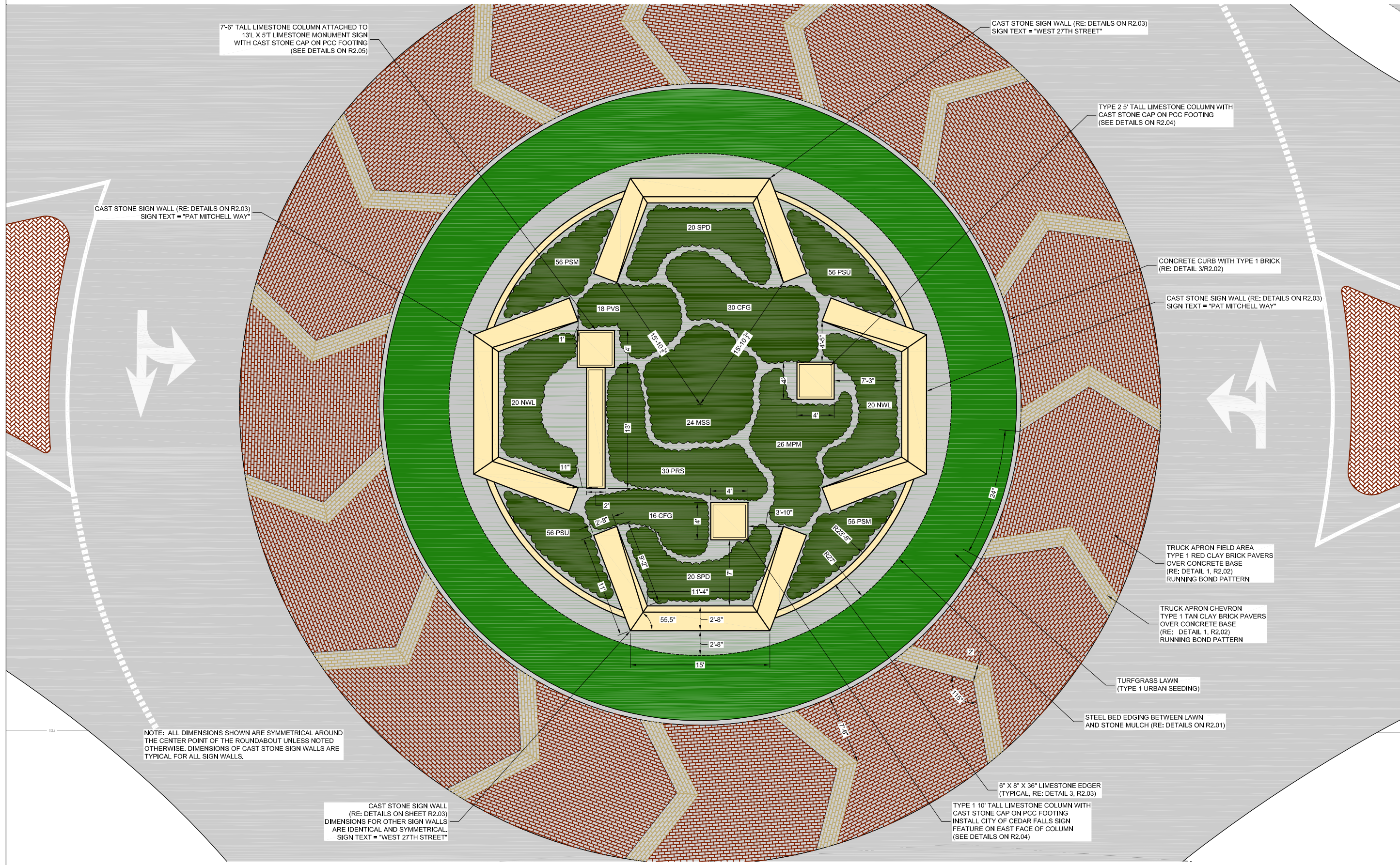
STEEL BED EDGING BETWEEN LAWN AND STONE MULCH (RE: DETAILS ON R2.01)

6" X 8" X 36" LIMESTONE EDGER (TYPICAL, RE: DETAIL 3, R2.03)

TYPE 1 10' TALL LIMESTONE COLUMN WITH CAST STONE CAP ON PCC FOOTING INSTALL CITY OF CEDAR FALLS SIGN FEATURE ON EAST FACE OF COLUMN (SEE DETAILS ON R2.04)

NOTE: ALL DIMENSIONS SHOWN ARE SYMMETRICAL AROUND THE CENTER POINT OF THE ROUNDABOUT UNLESS NOTED OTHERWISE. DIMENSIONS OF CAST STONE SIGN WALLS ARE TYPICAL FOR ALL SIGN WALLS.

CAST STONE SIGN WALL (RE: DETAILS ON SHEET R2.03) DIMENSIONS FOR OTHER SIGN WALLS ARE IDENTICAL AND SYMMETRICAL. SIGN TEXT = "WEST 27TH STREET"



1 ROUNDABOUT PLAN @ PAT MITCHELL WAY  
 SCALE IN FEET 0 5 10 15





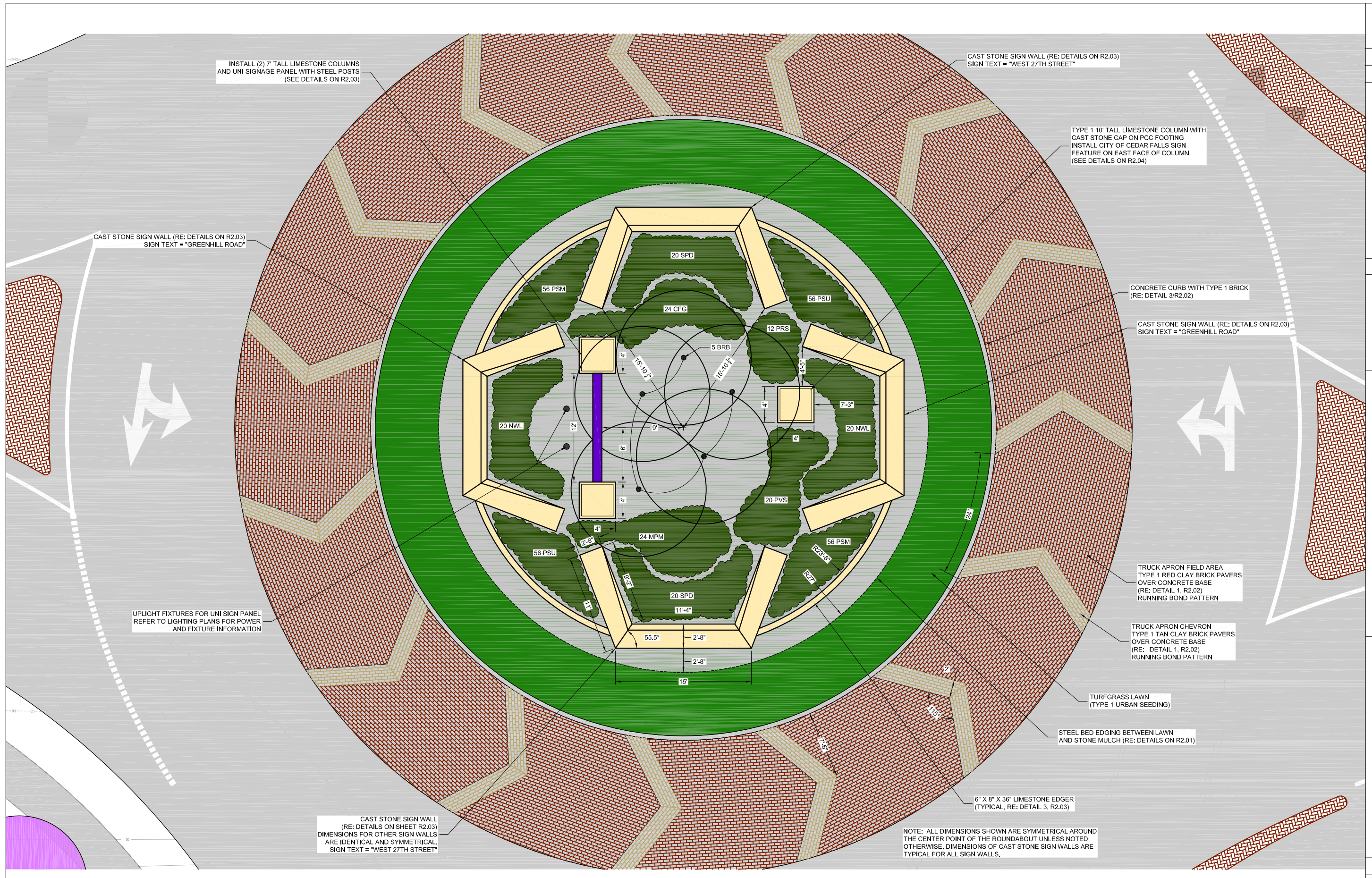




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LANDSCAPE ARCHITECTS

WEST 27TH STREET  
RECONSTRUCTION - RC00-3240  
Enhancement Plan

DATE 03/25/2022  
PROJECT NO. 60637669  
MILESTONE FINAL PLANS  
SHEET NO.  
DRAWING NO. 295



INSTALL (2) 7' TALL LIMESTONE COLUMNS AND UNI SIGNAGE PANEL WITH STEEL POSTS (SEE DETAILS ON R2.03)

CAST STONE SIGN WALL (RE: DETAILS ON R2.03) SIGN TEXT = "WEST 27TH STREET"

TYPE 1 10' TALL LIMESTONE COLUMN WITH CAST STONE CAP ON PCC FOOTING INSTALL CITY OF CEDAR FALLS SIGN FEATURE ON EAST FACE OF COLUMN (SEE DETAILS ON R2.04)

CAST STONE SIGN WALL (RE: DETAILS ON R2.03) SIGN TEXT = "GREENHILL ROAD"

CONCRETE CURB WITH TYPE 1 BRICK (RE: DETAIL 3/R2.02)

CAST STONE SIGN WALL (RE: DETAILS ON R2.03) SIGN TEXT = "GREENHILL ROAD"

UPLIGHT FIXTURES FOR UNI SIGN PANEL REFER TO LIGHTING PLANS FOR POWER AND FIXTURE INFORMATION

TRUCK APRON FIELD AREA TYPE 1 RED CLAY BRICK PAVERS OVER CONCRETE BASE (RE: DETAIL 1, R2.02) RUNNING BOND PATTERN

TRUCK APRON CHEVRON TYPE 1 TAN CLAY BRICK PAVERS OVER CONCRETE BASE (RE: DETAIL 1, R2.02) RUNNING BOND PATTERN

TURFGRASS LAWN (TYPE 1 URBAN SEEDING)

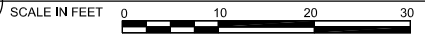
STEEL BED EDGING BETWEEN LAWN AND STONE MULCH (RE: DETAILS ON R2.01)

6" X 8" X 36" LIMESTONE EDGER (TYPICAL, RE: DETAIL 3, R2.03)

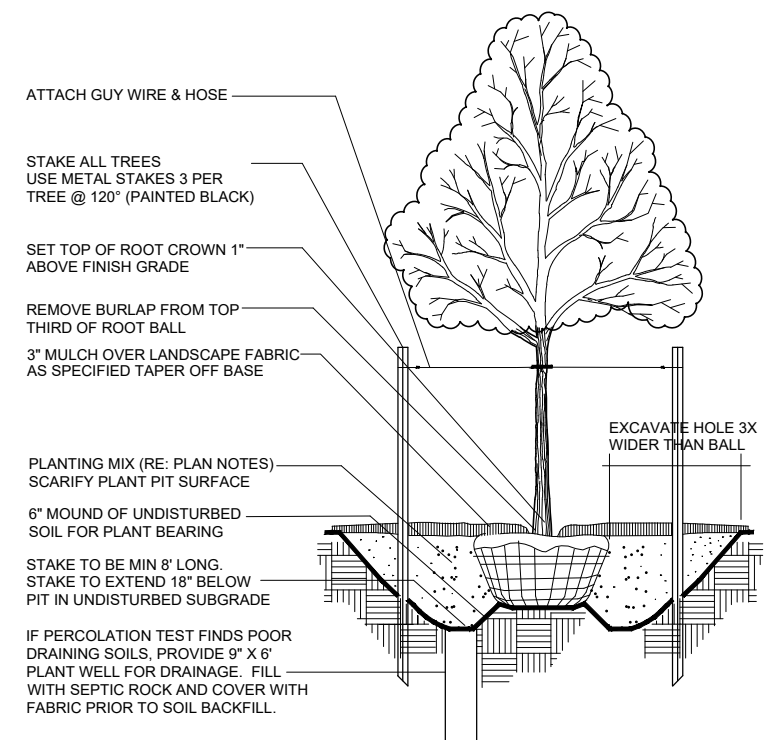
CAST STONE SIGN WALL (RE: DETAILS ON SHEET R2.03) DIMENSIONS FOR OTHER SIGN WALLS ARE IDENTICAL AND SYMMETRICAL. SIGN TEXT = "WEST 27TH STREET"

NOTE: ALL DIMENSIONS SHOWN ARE SYMMETRICAL AROUND THE CENTER POINT OF THE ROUNDABOUT UNLESS NOTED OTHERWISE. DIMENSIONS OF CAST STONE SIGN WALLS ARE TYPICAL FOR ALL SIGN WALLS.

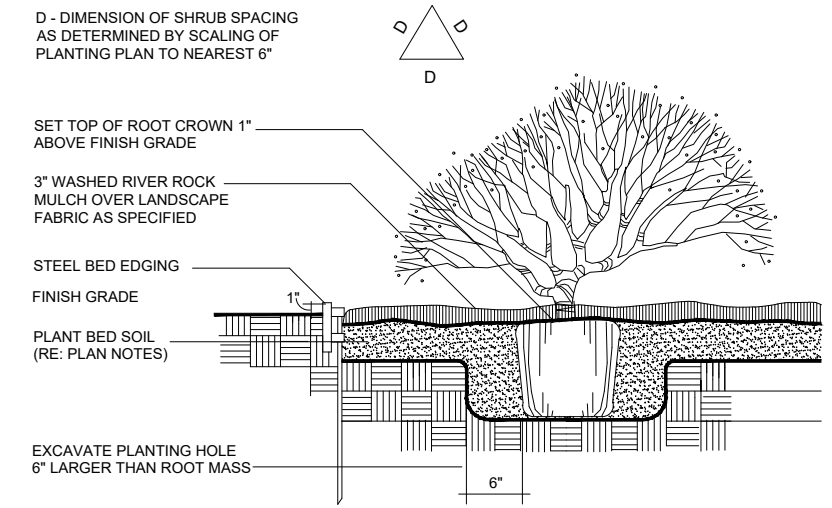
**1 ROUNDABOUT PLAN @ GREENHILL ROAD**



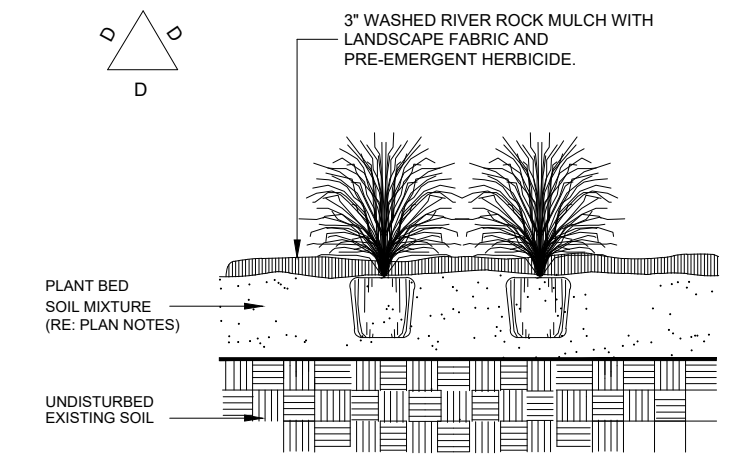




**1** TYPICAL TREE DETAIL  
NOT TO SCALE

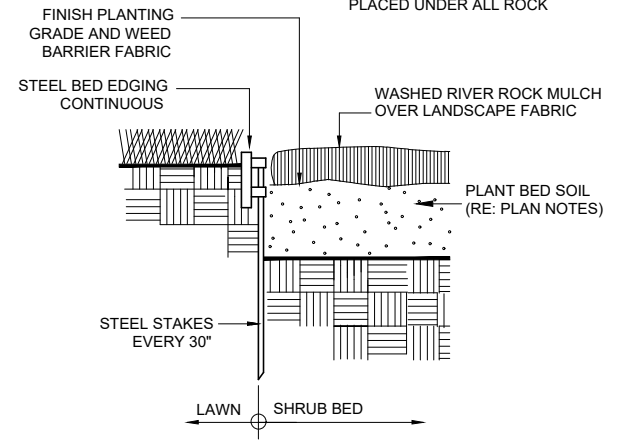


**2** TYPICAL SHRUB PLANTING  
NOT TO SCALE

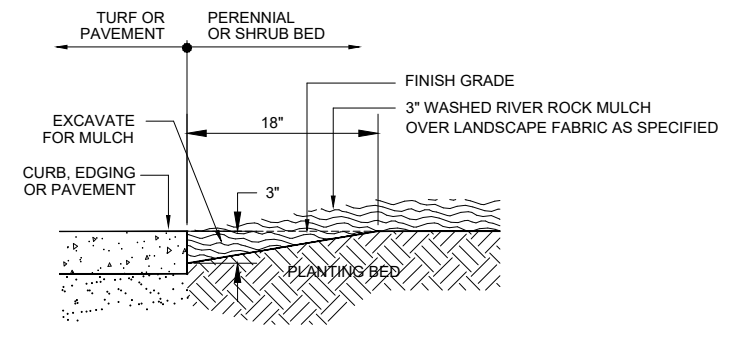


**3** TYP. PERENNIAL PLANTING  
NOT TO SCALE

NOTE:  
WHERE EDGING MEETS PAVEMENT OR CURB, THE TOP OF THE EDGING SHOULD BE FLUSH WITH THAT SURFACE  
ANY AREA THAT IS TO HAVE ROCK MULCH IS REQUIRED TO HAVE WEED BARRIER FABRIC PLACED UNDER ALL ROCK



**4** TYP. STEEL BED EDGING  
NOT TO SCALE



**5** BED EDGE DETAIL  
NOT TO SCALE

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				REVISIONS
				DRN
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**RITLAND+KUIPER**  
LANDSCAPE ARCHITECTS

WEST 27TH STREET  
RECONSTRUCTION - RC00-3240  
Enhancement Details

DATE	03/25/2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	296



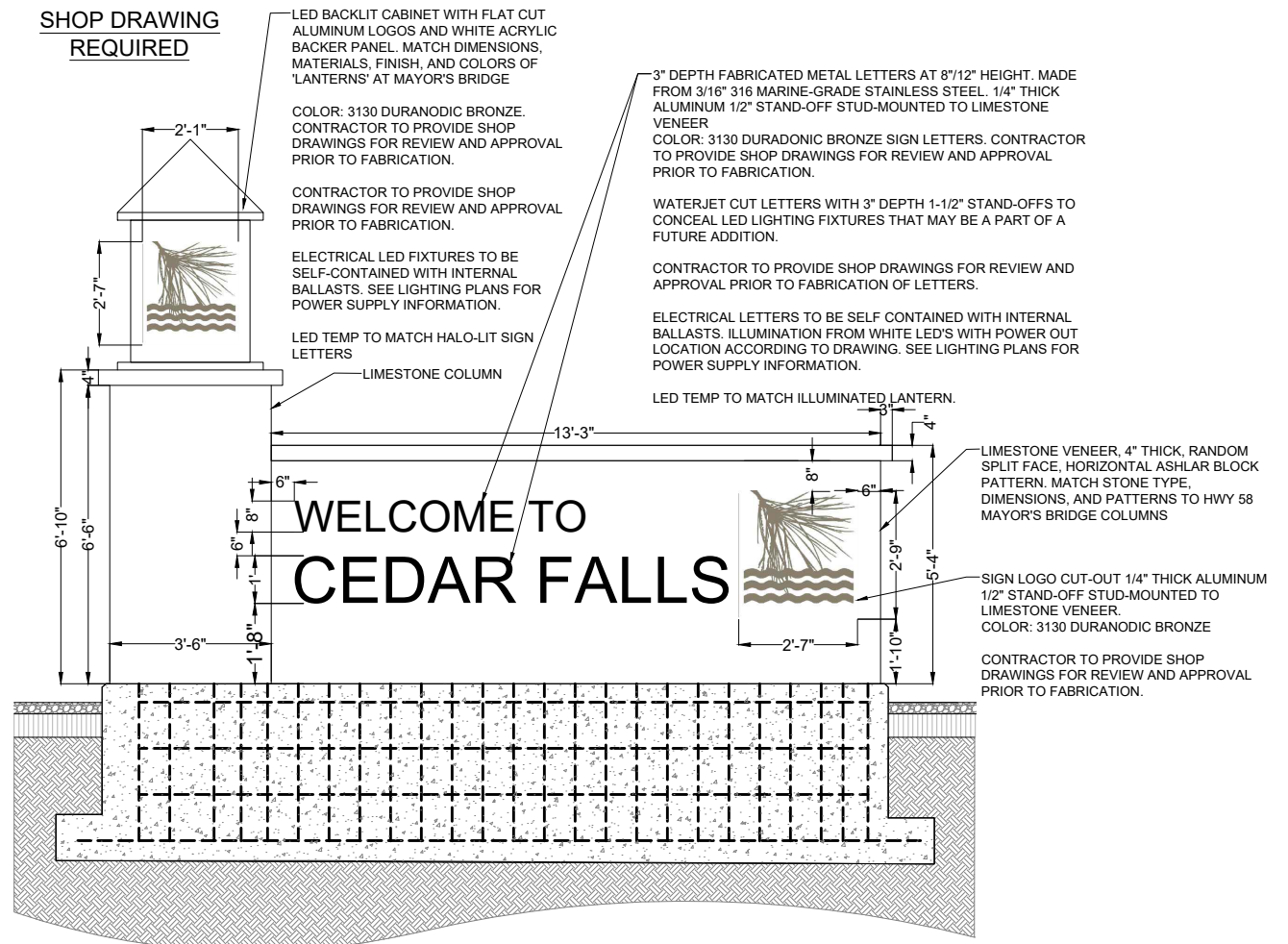
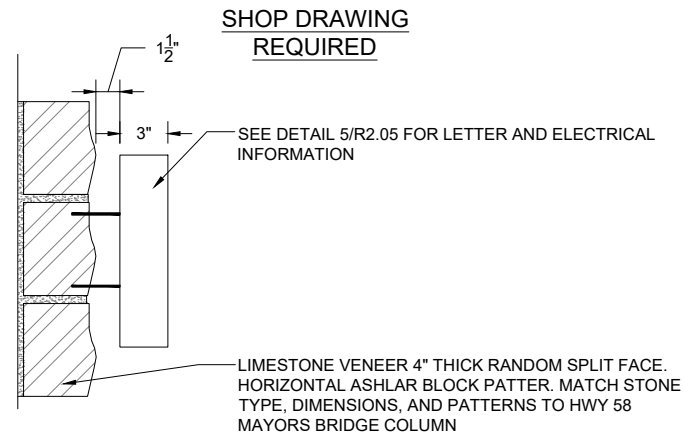






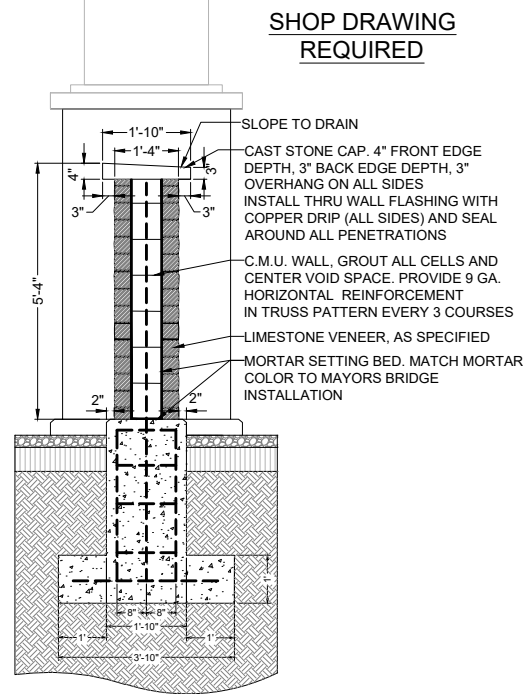


3 MONUMENT SIGN LETTERING  
NOT TO SCALE

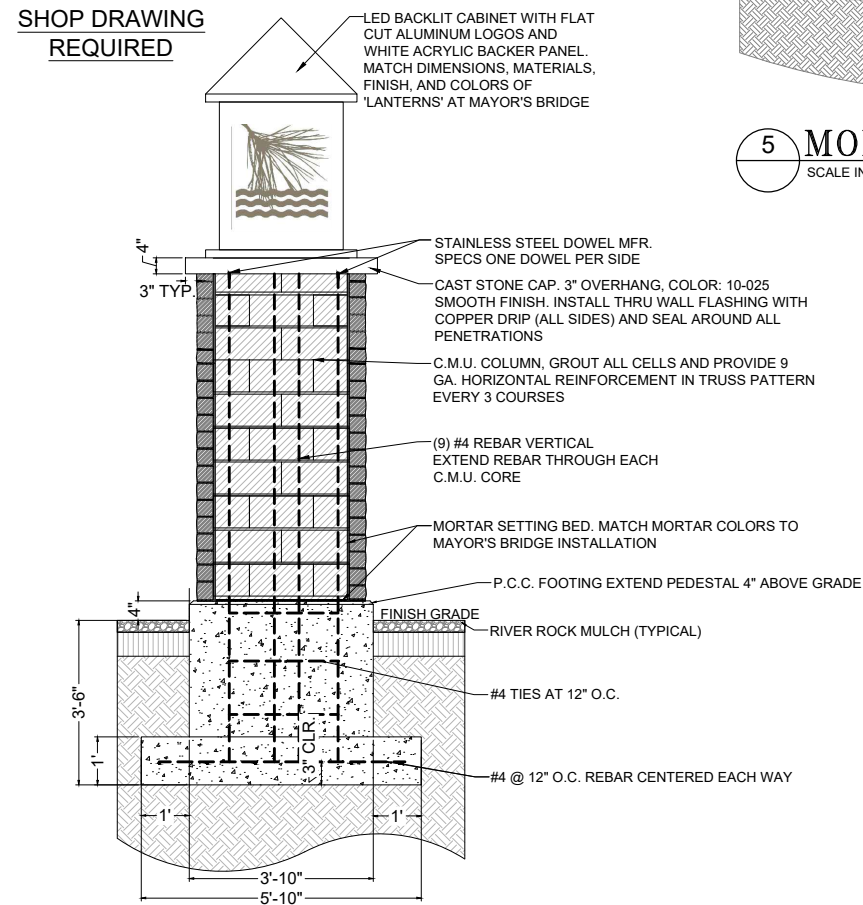


5 MONUMENT SIGN WITH COLUMN & 'LANTERN' LIGHT  
SCALE IN FEET 0 1 2 3

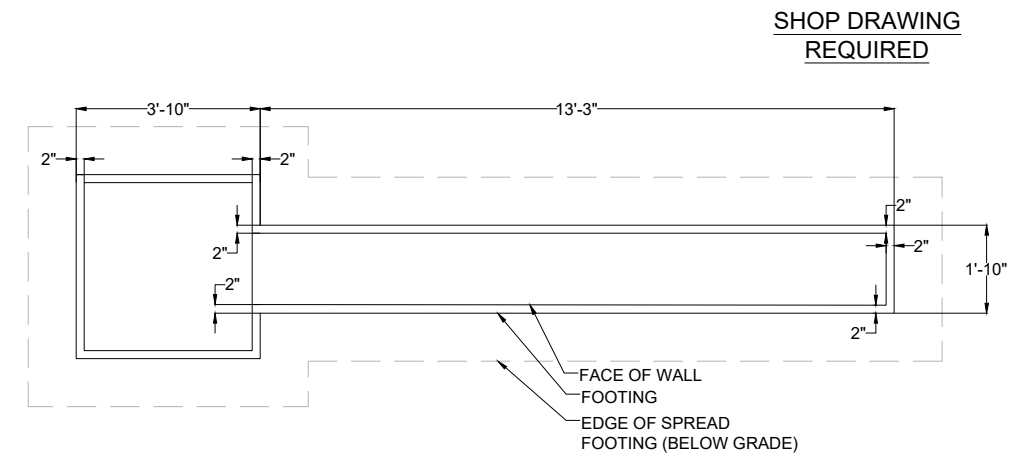
1 IMAGE OF 'MAYORS BRIDGE' COLUMN & 'LANTERN' LIGHT  
NOT TO SCALE



2 MONUMENT SIGN SECTION  
SCALE IN FEET 0 1 2 3



4 MONUMENT SIGN COLUMN SECTION  
SCALE IN FEET 0 1 2 3



6 MONUMENT SIGN FOOTING  
SCALE IN FEET 0 1 2 3

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DRN CHK

REVISIONS

NO

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WEST 27TH STREET  
RECONSTRUCTION - RC00-3240

Monument Sign Details

DATE 03/25/2022  
PROJECT NO. 60637669  
MILESTONE FINAL PLANS  
SHEET NO.  
DRAWING NO. 300

PRINTED: 3/25/22

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# SIDEWALK COMPLIANCE

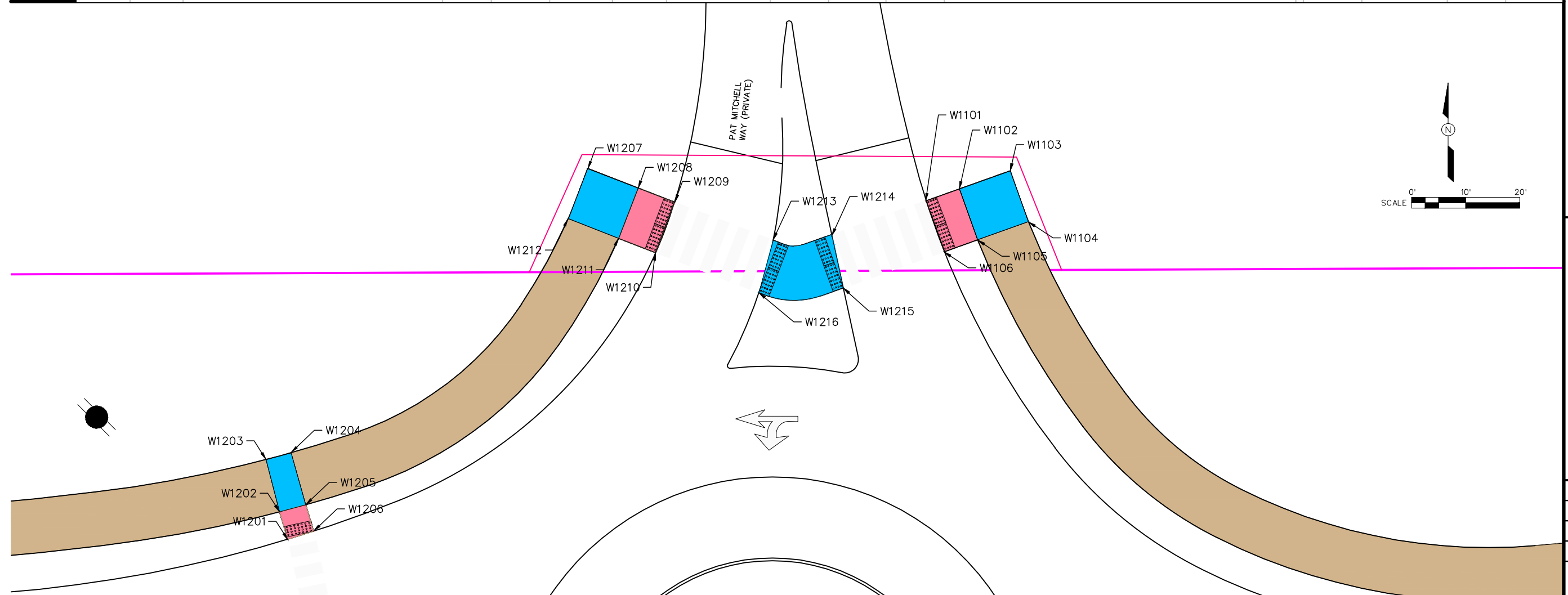
113-10  
04-18-17

Item 17.

See 5 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	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant?	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
											Point	Station	Offset	Elevation
W1101	W1102	Ramp Running Slope	6	6.50	0.10	1.5%	0.5% to 8.3%				W1101	47+55.09	-87.88	940.61
W1101	W1106	Crosswalk Cross Slope - No Yield Condition	6	10.00	0.04	0.4%	0.0% to 5.0%				W1102	47+61.23	-90.04	940.71
W1106	W1105	Ramp Running Slope	6	6.50	0.16	2.5%	0.5% to 8.3%				W1103	47+70.66	-93.37	940.79
W1105	W1102	Ramp Cross Slope	6	10.00	-0.10	-1.0%	0.1% to 2.0%				W1104	47+73.99	-83.94	940.85
W1105	W1104	Landing/Turning Space	6	10.00	0.04	0.4%	0.1% to 2.0%				W1105	47+64.55	-80.61	940.81
W1102	W1103	Landing/Turning Space	6	10.00	0.08	0.8%	0.1% to 2.0%				W1106	47+58.42	-78.45	940.65
W1103	W1104	Landing/Turning Space	6	6.50	0.06	0.9%	0.1% to 2.0%							
W1210	W1209	Crosswalk Cross Slope - No Yield Condition	6	10.00	-0.15	-1.5%	0.0% to 5.0%				W1201	46+36.70	-25.74	939.11
W1211	W1210	Ramp Running Slope	6	7.32	-0.13	-1.8%	0.5% to 8.3%				W1202	46+35.39	-30.84	939.30
W1211	W1208	Ramp Cross Slope	6	10.00	-0.05	-0.5%	0.1% to 2.0%				W1203	46+32.64	-40.49	939.40
W1211	W1212	Landing/Turning Space	6	10.00	0.02	0.2%	0.1% to 2.0%				W1204	46+37.34	-41.89	939.45
W1212	W1207	Landing/Turning Space	6	10.00	0.03	0.3%	0.1% to 2.0%				W1205	46+40.14	-32.13	939.36
W1207	W1208	Landing/Turning Space	6	10.00	-0.10	-1.0%	0.1% to 2.0%				W1206	46+41.50	-27.22	939.25
W1208	W1209	Ramp Running Slope	6	7.21	-0.23	-3.2%	0.5% to 8.3%				W1207	46+92.47	-94.10	940.75
W1201	W1206	Crosswalk Cross Slope - No Yield Condition	6	5.00	0.14	2.8%	0.0% to 5.0%				W1208	47+01.82	-90.45	940.65
W1201	W1202	Ramp Running Slope	6	5.29	0.19	3.6%	0.5% to 8.3%				W1209	47+08.53	-87.82	940.42
W1202	W1203	Landing/Turning Space	6	10.00	0.10	1.0%	0.1% to 2.0%				W1210	47+04.99	-78.47	940.57
W1203	W1204	Landing/Turning Space	6	5.00	0.05	1.0%	0.1% to 2.0%				W1211	46+98.15	-81.15	940.70
W1204	W1205	Landing/Turning Space	6	10.00	-0.09	-0.9%	0.1% to 2.0%				W1212	46+88.83	-84.79	940.72
W1205	W1206	Ramp Running Slope	6	5.10	-0.11	-2.2%	0.5% to 8.3%				W1213	47+26.74	-80.71	940.77
W1202	W1205	Ramp Cross Slope	6	5.00	0.06	1.2%	0.1% to 2.0%				W1214	47+37.58	-81.70	940.96
W1213	W1214	Crosswalk Cross Slope - No Yield Condition	6	11.39	0.19	1.7%	0.0% to 5.0%				W1215	47+39.66	-71.83	941.10
W1216	W1213	Landing/Turning Space	6	10.06	-0.13	-1.3%	0.1% to 2.0%				W1216	47+24.07	-71.01	940.90
W1216	W1215	Landing/Turning Space	6	16.14	0.20	1.2%	0.1% to 2.0%							
W1214	W1215	Crosswalk Cross Slope - No Yield Condition	6	10.09	0.14	1.4%	0.0% to 5.0%							



WEST 27th STREET RECON  
RC-000-3240  
PAT MITCHELL WAY SIDEWALK

DATE 3-25-2022  
PROJECT NO. 60637669  
MILESTONE FINAL PLANS  
SHEET NO. 301  
DRAWING NO. 301

DRN	Westley, Kasey
DES	
CHK	Sweeney, Michelle
APP	
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REVISIONS	
NO	



PRINTED: 3/25/22

Item 17.

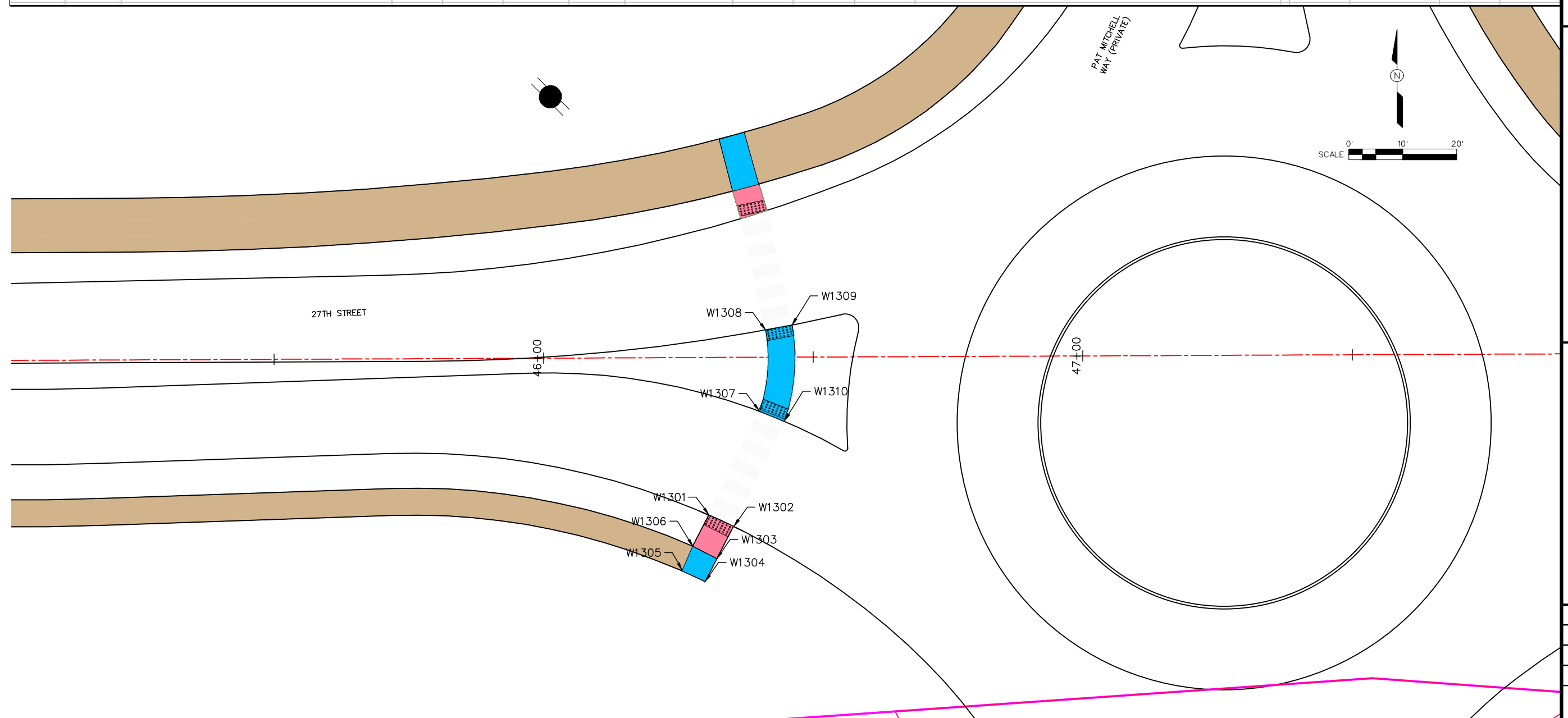
113-10  
04-18-17

### SIDEWALK COMPLIANCE

See 5 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
W1308	W1309	Crosswalk Cross Slope - No Yield Condition	6	5.00	0.12	2.4%	0.0% to 5.0%				W1301	46+30.51	29.22	938.99
W1307	W1310	Crosswalk Cross Slope - No Yield Condition	6	5.00	0.12	2.4%	0.0% to 5.0%				W1302	46+35.05	31.34	939.13
W1308	W1307	Landing/Turning Space	6	18.03	-0.17	-0.9%	0.1% to 2.0%				W1303	46+31.96	37.30	939.27
W1309	W1310	Landing/Turning Space	6	15.38	-0.17	-1.1%	0.1% to 2.0%				W1304	46+29.76	41.56	939.35
W1301	W1302	Crosswalk Cross Slope - No Yield Condition	6	5.00	0.14	2.8%	0.0% to 5.0%				W1305	46+25.23	39.46	939.30
W1306	W1301	Ramp Running Slope	6	6.51	-0.24	-3.7%	0.5% to 8.3%				W1306	46+27.52	35.01	939.23
W1305	W1305	Landing/Turning Space	6	4.79	0.07	1.5%	0.1% to 2.0%				W1307	46+40.02	10.02	939.55
W1305	W1304	Landing/Turning Space	6	4.70	0.05	1.1%	0.1% to 2.0%				W1308	46+41.20	-5.06	939.72
W1304	W1303	Landing/Turning Space	6	4.79	-0.08	-1.7%	0.1% to 2.0%	Yes			W1309	46+46.12	-5.97	939.84
W1303	W1306	Ramp Cross Slope	6	5.04	-0.04	-0.8%	0.1% to 2.0%				W1310	46+44.65	11.92	939.67
W1303	W1302	Ramp Running Slope	6	6.71	-0.14	-2.1%	0.5% to 8.3%							



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DES	
CHK	Sweeney, Michelle
APP	
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WEST 27th STREET RECON  
RC-000-3240  
PAT MICHELL WAY SIDEWALK

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	302
DRAWING NO.	302

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# SIDEWALK COMPLIANCE

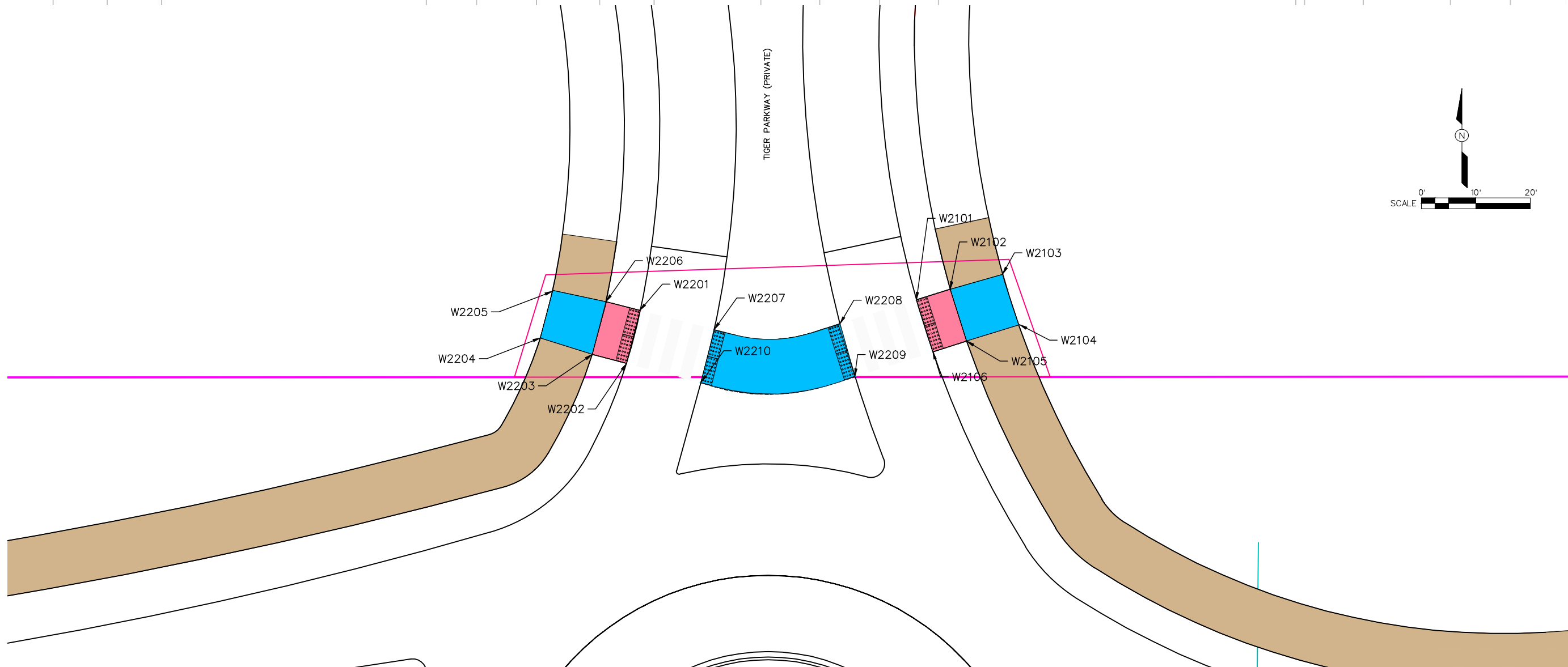
See 5 Sheets

113-10  
04-18-17

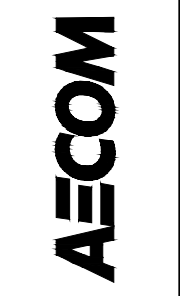
Item 17.

- \* 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	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant?	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES				
											FT	FT	%	Pos. or Neg.	Point
W2101	W2102	Ramp Running Slope	6	6.50	0.06	0.9%	0.5% to 8.3%					W2101	55+13.10	-87.19	937.64
W2102	W2103	Landing/Turning Space	6	10.00	0.05	0.5%	0.1% to 2.0%					W2102	55+19.31	-89.13	937.70
W2102	W2105	Ramp Cross Slope	6	10.00	-0.10	-1.0%	0.1% to 2.0%					W2103	55+28.85	-92.09	937.75
W2103	W2104	Landing/Turning Space	6	9.78	-0.08	-0.8%	0.1% to 2.0%					W2104	55+31.82	-82.55	937.67
W2104	W2105	Landing/Turning Space	6	10.18	-0.07	-0.7%	0.1% to 2.0%					W2105	55+22.28	-79.58	937.60
W2105	W2106	Ramp Running Slope	6	6.50	-0.26	-4.0%	0.5% to 8.3%					W2106	55+16.07	-77.65	937.34
W2101	W2106	Crosswalk Cross Slope - No Yield Condition	6	10.00	-0.30	-3.0%	0.0% to 5.0%					W2201	54+62.35	-85.43	937.60
												W2202	54+59.80	-75.76	937.49
												W2203	54+53.50	-77.42	937.60
W2201	W2202	Crosswalk Cross Slope - No Yield Condition	6	10.00	-0.11	-1.1%	0.0% to 5.0%					W2204	54+43.68	-79.32	937.70
W2202	W2203	Ramp Running Slope	6	6.51	0.11	1.7%	0.5% to 8.3%					W2205	54+46.24	-88.98	937.75
W2203	W2204	Landing/Turning Space	6	10.00	0.10	1.0%	0.1% to 2.0%					W2206	54+56.06	-87.08	937.65
W2204	W2205	Landing/Turning Space	6	9.03	0.05	0.6%	0.1% to 2.0%					W2207	54+75.91	-81.86	937.77
W2205	W2206	Landing/Turning Space	6	10.00	-0.10	-1.0%	0.1% to 2.0%					W2208	54+09.04	-82.82	937.92
W2206	W2203	Ramp Cross Slope	6	10.00	-0.05	-0.5%	0.1% to 2.0%					W2209	55+01.72	-73.18	937.65
W2206	W2201	Ramp Running Slope	6	6.51	-0.05	-0.8%	0.5% to 8.3%					W2210	54+73.44	-72.17	937.67
W2207	W2208	Landing/Turning Space	6	23.71	0.15	0.6%	0.1% to 2.0%								
W2208	W2209	Crosswalk Cross Slope - No Yield Condition	6	10.00	-0.27	-2.7%	0.0% to 5.0%								
W2209	W2210	Landing/Turning Space	6	28.90	0.02	0.1%	0.1% to 2.0%								
W2207	W2210	Crosswalk Cross Slope - No Yield Condition	6	10.00	-0.10	-1.0%	0.0% to 5.0%								



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DES	
CHK	Sweeney, Michelle
APP	
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WEST 27th STREET RECON  
RC-000-3240  
TIGER PARKWAY SIDEWALK

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	303



PRINTED: 3/25/22

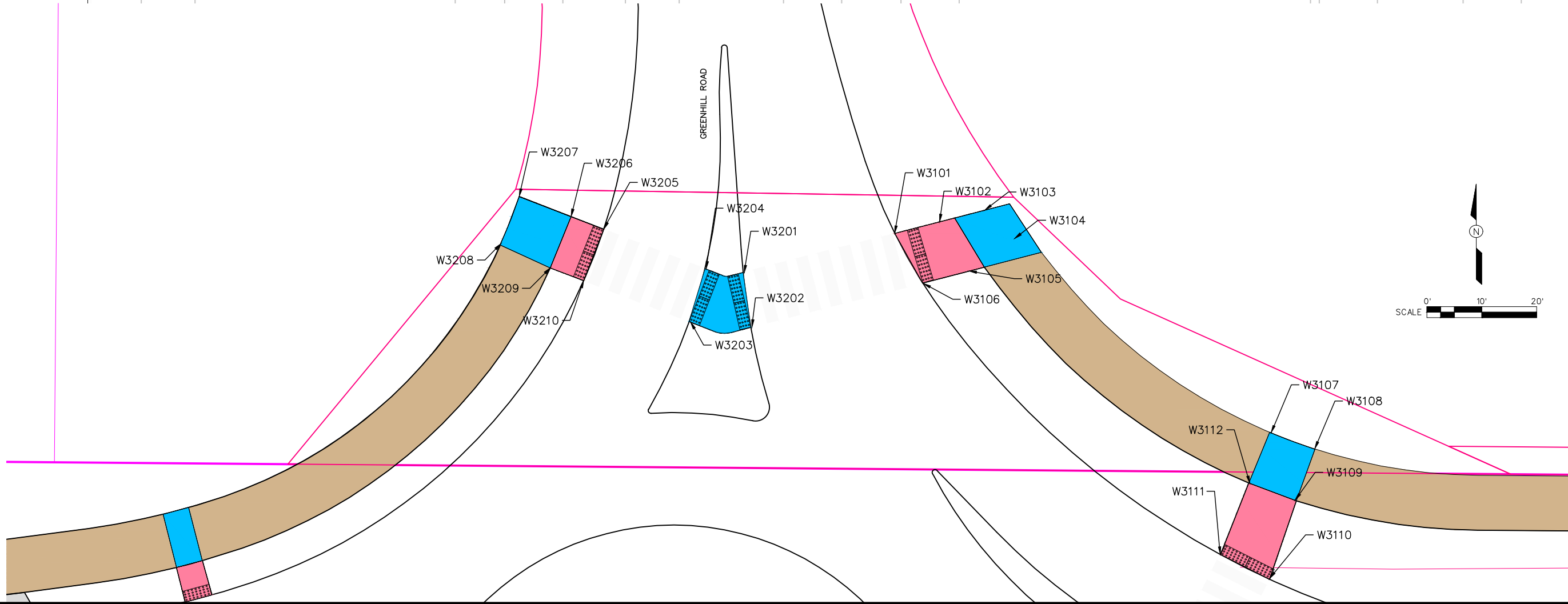
113-10  
04-18-17

### SIDEWALK COMPLIANCE

See 5 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	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant?	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES						
											FT	FT	%	Pos. or Neg.	Point	Station	Offset
W3101	W3106	Crosswalk Cross Slope - No Yield Condition	6	10.34	-0.54	-5.2%	0.0% to 6.2%										
W3101	W3102	Ramp Running Slope	6	8.47	0.17	2.0%	0.5% to 8.3%										
W3102	W3103	Landing/Turning Space	6	8.47	0.10	1.2%	0.1% to 2.0%					W3101	69+43.82	-102.97	950.03		
W3103	W3104	Landing/Turning Space	6	11.86	-0.05	-0.4%	0.1% to 2.0%					W3102	69+52.00	-105.15	950.20		
W3102	W3105	Ramp Cross Slope	6	10.42	-0.10	-1.0%	0.1% to 2.0%					W3103	69+60.18	-107.33	950.30		
W3104	W3105	Landing/Turning Space	6	11.82	-0.15	-1.3%	0.1% to 2.0%					W3104	69+66.93	-101.00	950.25		
W3105	W3106	Ramp Running Slope	6	8.73	-0.61	-7.0%	0.5% to 8.3%					W3105	69+57.39	-96.24	950.10		
												W3106	69+48.96	-93.99	949.49		
												W3107	70+12.80	-67.25	951.09		
W3111	W3110	Crosswalk Cross Slope - Yield Condition	6	10.00	0.78	7.8%	0.0% to 8.8%					W3108	70+21.89	-63.90	951.17		
W3111	W3112	Ramp Running Slope	6	14.01	0.77	5.5%	0.5% to 8.3%					W3109	70+18.09	-54.65	951.10		
W3112	W3107	Landing/Turning Space	6	10.00	0.10	1.0%	0.1% to 2.0%					W3110	70+12.60	-40.51	951.00		
W3112	W3109	Ramp Cross Slope	6	8.78	0.11	1.3%	0.1% to 2.0%					W3111	70+03.63	-44.92	950.22		
W3107	W3108	Landing/Turning Space	6	7.98	0.08	1.0%	0.1% to 2.0%					W3112	70+08.67	-58.00	950.99		
W3108	W3109	Landing/Turning Space	6	10.00	-0.07	-0.7%	0.1% to 2.0%					W3201	69+16.22	95.61	950.50		
W3109	W3110	Ramp Running Slope	6	15.11	-0.10	-0.7%	0.5% to 8.3%					W3202	69+17.73	-85.66	950.46		
												W3203	69+06.47	-86.62	950.53		
W3210	W3205	Crosswalk Cross Slope - No Yield Condition	6	10.00	-0.29	-2.9%	0.0% to 5.0%					W3204	69+09.36	-96.31	950.57		
W3210	W3209	Ramp Running Slope	6	6.51	0.06	0.9%	0.5% to 8.3%					W3205	68+90.77	-103.28	949.60		
W3209	W3206	Ramp Cross Slope	6	10.00	-0.15	-1.5%	0.1% to 2.0%					W3206	68+84.55	-104.64	949.80		
W3209	W3208	Landing/Turning Space	6	10.00	0.05	0.5%	0.1% to 2.0%					W3207	68+75.15	-109.08	949.89		
W3208	W3207	Landing/Turning Space	6	9.40	-0.11	-1.2%	0.1% to 2.0%					W3208	68+71.71	-99.69	950.00		
W3207	W3206	Landing/Turning Space	6	10.02	-0.09	-0.9%	0.1% to 2.0%					W3209	68+81.12	-96.25	949.95		
W3207	W3205	Ramp Running Slope	6	6.51	-0.29	-4.5%	0.5% to 8.3%					W3210	68+87.22	-93.93	949.89		
W3204	W3201	Landing/Turning Space	6	7.29	-0.07	-1.0%	0.1% to 2.0%										
W3204	W3203	Crosswalk Cross Slope - No Yield Condition	6	10.03	-0.04	-0.4%	0.0% to 5.0%										
W3202	W3203	Landing/Turning Space	6	11.74	0.07	0.6%	0.1% to 2.0%										
W3201	W3202	Crosswalk Cross Slope - No Yield Condition	6	10.06	-0.04	-0.4%	0.0% to 5.0%										



WEST 27th STREET RECON  
RC-000-3240  
GREENHILL ROAD SIDEWALK

DATE 3-25-2022  
PROJECT NO. 60637669  
MILESTONE FINAL PLANS  
SHEET NO.  
DRAWING NO. 304

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Item 17.  
DRN CHK  
DRN CHK  
REVISIONS  
NO  
DRN Westley, Casey  
DES  
CHK Sweeney, Michele  
APP  
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Item 17.

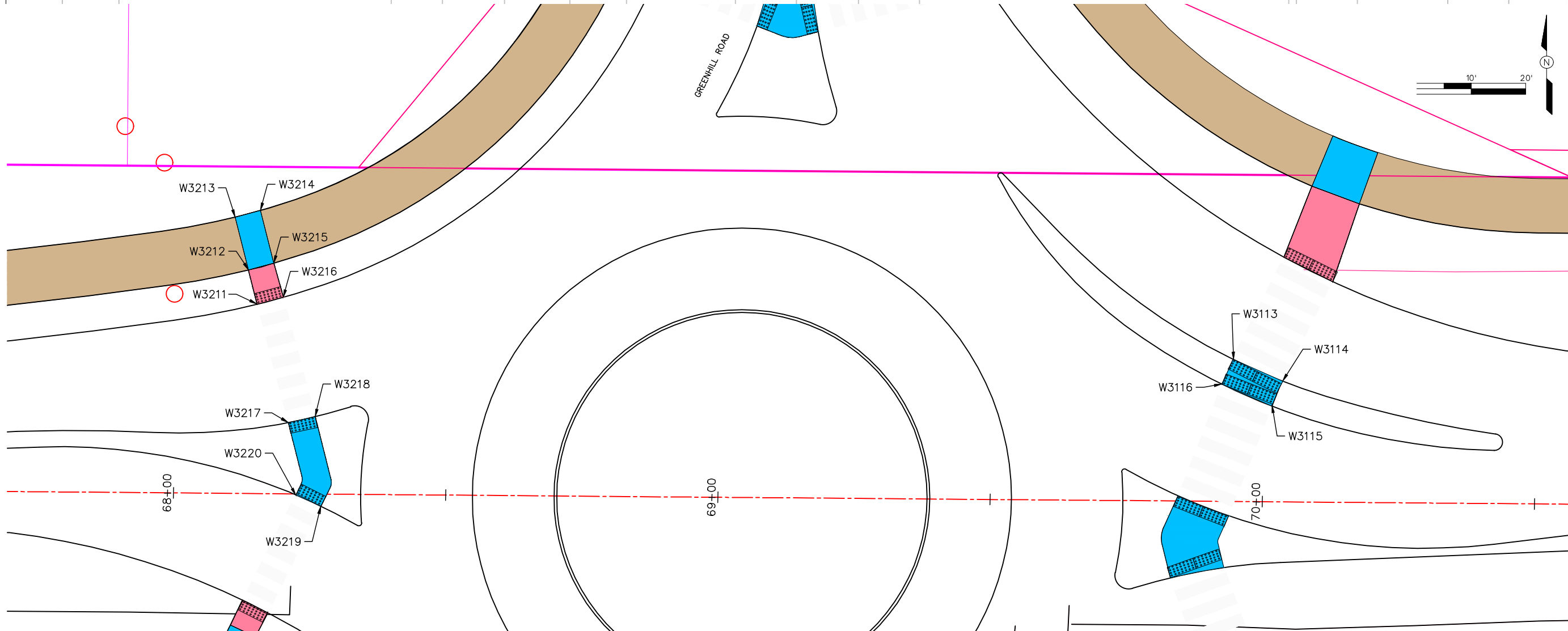
113-10  
04-18-17

### SIDEWALK COMPLIANCE

See 5 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	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant?	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES					
											Point	Station	Offset	Elevation		
		②	FT	FT	%	Pos. or Neg.	①	%								
W3113	W3114	Crosswalk Cross Slope - No Yield Condition	6	9.66	-0.07	-0.7%	0.0% to 5.0%					W3113	69+94.55	-26.03	950.57	
W3113	W3116	Landing/Turning Space	6	5.00	-0.04	-0.8%	0.1% to 2.0%					W3114	70+03.42	-22.22	950.50	
W3114	W3115	Landing/Turning Space	6	5.00	-0.04	-0.8%	0.1% to 2.0%					W3115	70+01.61	-17.56	950.46	
W3116	W3115	Crosswalk Cross Slope - No Yield Condition	6	10.00	-0.07	-0.7%	0.0% to 5.0%					W3116	69+92.42	-21.51	950.53	
W3211	W3216	Crosswalk Cross Slope - No Yield Condition	6	5.00	0.45	9.0%	0.0% to 10%					W3211	68+15.07	-34.76	951.22	
W3211	W3212	Ramp Running Slope	6	6.50	0.33	5.1%	0.5% to 8.3%					W3212	68+13.45	-41.05	951.55	
W3212	W3213	Landing/Turning Space	6	10.00	0.05	0.5%	0.1% to 2.0%					W3213	68+10.98	-50.74	951.60	
W3212	W3215	Ramp Cross Slope	6	4.81	0.05	1.0%	0.1% to 2.0%					W3214	68+15.81	-52.06	951.65	
W3213	W3214	Landing/Turning Space	6	4.48	0.05	1.1%	0.1% to 2.0%					W3215	68+18.27	-42.37	951.60	
W3214	W3215	Landing/Turning Space	6	10.00	-0.05	-0.5%	0.1% to 2.0%					W3216	68+19.90	-36.08	951.67	
W3215	W3216	Ramp Running Slope	6	6.50	0.07	1.1%	0.5% to 8.3%					W3217	68+21.04	-13.06	951.66	
W3217	W3218	Crosswalk Cross Slope - No Yield Condition	6	5.00	-0.08	-1.6%	0.0% to 5.0%					W3218	68+25.89	-14.16	951.58	
W3218	W3219	Landing/Turning Space	6	17.23	0.48	2.8%	0.1% to 3.8%					W3219	68+27.07	2.23	952.06	
W3219	W3220	Crosswalk Cross Slope - No Yield Condition	6	13.86	0.07	0.5%	0.0% to 5.0%					W3220	68+22.50	0.20	952.13	
W3220	W3217	Landing/Turning Space	6	5.00	-0.47	-9.4%	0.1% to 10.4%									



WEST 27th STREET RECON  
RC-000-3240  
GREENHILL ROAD SIDEWALK

DATE 3-25-2022  
PROJECT NO. 60637669  
MILESTONE FINAL PLANS  
SHEET NO. 305  
DRAWING NO. 305

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# SIDEWALK COMPLIANCE

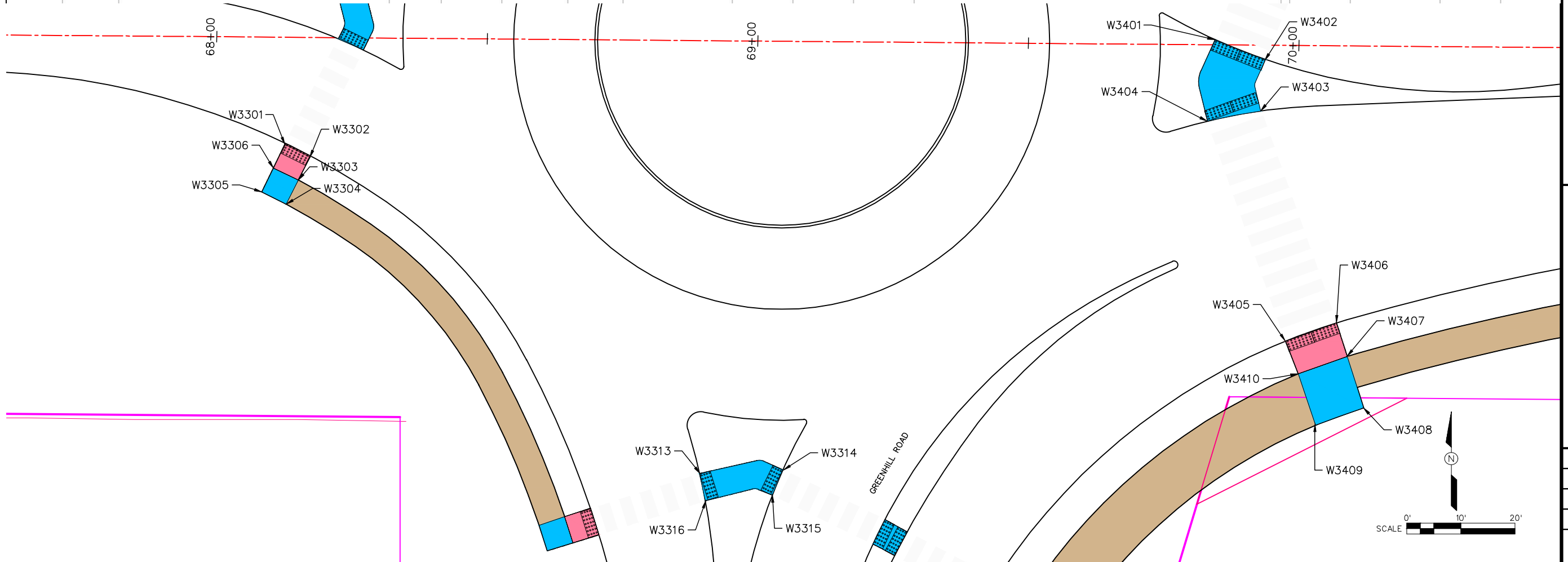
See 5 Sheets

113-10  
04-18-17

Item 17.

- \* 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		
W3301	W3302	Crosswalk Cross Slope - No Yield Condition	6	5.21	-0.11	-2.1%	0.0% to 5.0%					W3301	68+12.84	19.58	951.67	
W3302	W3303	Ramp Running Slope	6	5.00	0.14	2.8%	0.5% to 8.3%					W3302	68+17.36	21.71	951.56	
W3303	W3306	Ramp Cross Slope	6	5.05	0.04	0.8%	0.1% to 2.0%					W3303	68+15.14	26.40	951.70	
W3303	W3304	Landing/Turning Space	6	5.00	0.05	1.0%	0.1% to 2.0%					W3304	68+12.93	30.68	951.75	
W3304	W3305	Landing/Turning Space	6	4.87	0.05	1.0%	0.1% to 2.0%					W3305	68+08.41	28.54	951.80	
W3305	W3306	Landing/Turning Space	6	5.08	-0.06	-1.2%	0.1% to 2.0%					W3306	68+10.72	24.10	951.74	
W3306	W3301	Ramp Running Slope	6	4.79	-0.07	-1.5%	0.5% to 8.3%					W3313	68+89.88	79.96	950.15	
W3313	W3314	Landing/Turning Space	6	16.00	0.01	0.1%	0.1% to 2.0%					W3314	69+05.25	79.18	950.16	
W3314	W3315	Crosswalk Cross Slope - No Yield Condition	6	5.00	-0.11	-2.2%	0.0% to 5.0%					W3315	69+03.35	83.80	950.05	
W3313	W3316	Crosswalk Cross Slope - No Yield Condition	6	5.11	-0.11	-2.2%	0.0% to 5.0%					W3316	68+90.95	84.96	950.04	
W3316	W3315	Landing/Turning Space	6	12.87	0.01	0.1%	0.1% to 2.0%					W3401	69+84.50	-0.96	951.42	
W3401	W3402	Crosswalk Cross Slope - No Yield Condition	6	9.98	0.21	2.1%	0.0% to 5.0%					W3402	69+93.82	2.64	951.63	
W3403	W3404	Crosswalk Cross Slope - No Yield Condition	6	9.99	-0.14	-1.4%	0.0% to 5.0%					W3403	69+93.02	12.15	952.03	
W3401	W3404	Landing/Turning Space	6	15.58	0.47	3.0%	0.1% to 4%					W3404	69+83.22	14.12	951.89	
W3402	W3403	Landing/Turning Space	6	9.79	0.40	4.1%	0.1% to 5.1%					W3405	69+97.96	54.62	950.76	
W3405	W3406	Crosswalk Cross Slope - No Yield Condition	6	10.00	0.25	2.5%	0.0% to 5.0%					W3406	70+07.35	51.20	951.01	
W3406	W3407	Ramp Running Slope	6	6.50	0.14	2.2%	0.5% to 8.3%					W3407	70+09.38	57.36	951.15	
W3407	W3408	Landing/Turning Space	6	10.00	0.10	1.0%	0.1% to 2.0%					W3408	70+12.82	66.76	951.25	
W3407	W3410	Ramp Cross Slope	6	9.60	0.02	0.2%	0.1% to 2.0%					W3409	70+03.43	70.19	951.30	
W3408	W3409	Landing/Turning Space	6	8.84	0.05	0.6%	0.1% to 2.0%					W3410	70+00.37	60.66	951.17	
W3409	W3410	Landing/Turning Space	6	10.00	-0.13	-1.3%	0.1% to 2.0%									
W3410	W3405	Ramp Running Slope	6	6.50	-0.41	-6.3%	0.5% to 8.3%									



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CHK	Sweeney, Michele
APP	
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WEST 27th STREET RECON	
RC-000-3240	
GREENHILL ROAD SIDEWALK	
DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	306
DRAWING NO.	306

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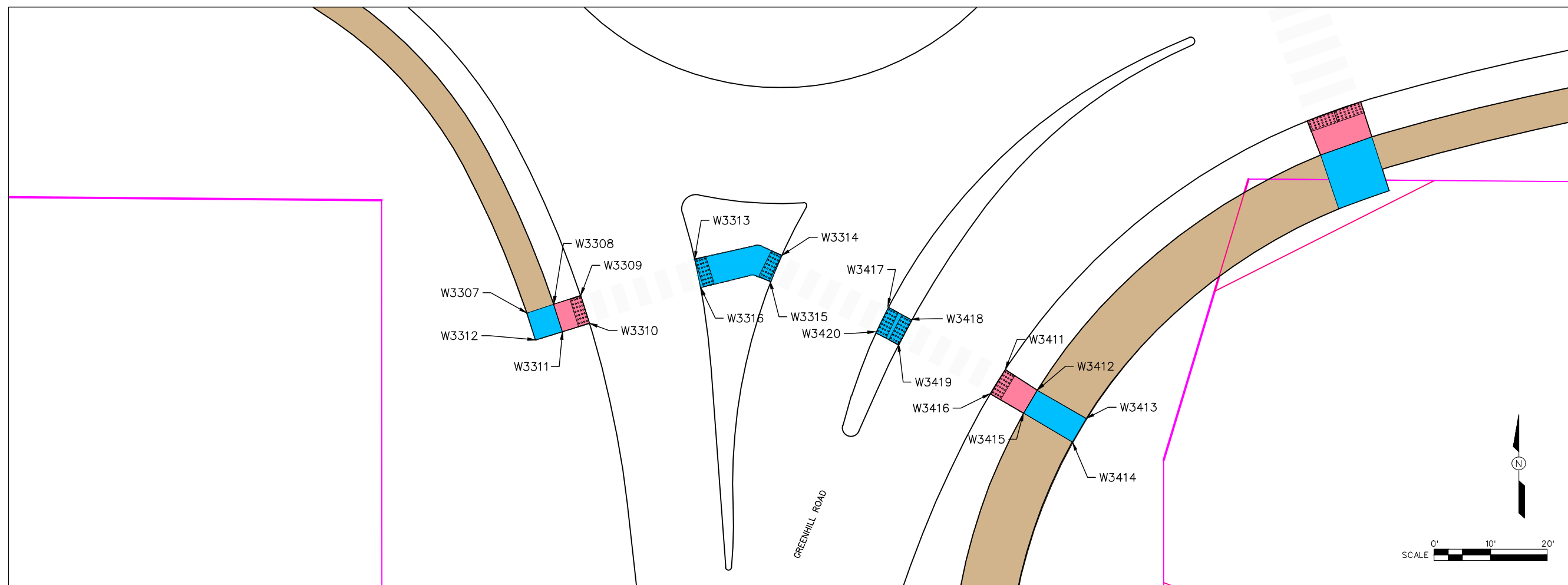
### SIDEWALK COMPLIANCE

See 5 Sheets

Item 17.

- \* 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	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant?	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES					
											Point	Station	Offset	Elevation		
			FT	FT	%	Pos. or Neg.	①	%								
												W3307	68+60.28	89.71	949.90	
												W3308	68+65.02	88.18	949.85	
W3313	W3314	Landing/Turning Space	6	16.00	0.01	0.1%	0.1% to 2.0%					W3309	68+69.80	86.69	949.66	
W3314	W3315	Crosswalk Cross Slope - No Yield Condition	6	5.00	-0.11	-2.2%	0.0% to 5.0%					W3310	68+71.36	91.47	949.55	
W3313	W3316	Crosswalk Cross Slope - No Yield Condition	6	5.11	-0.11	-2.2%	0.0% to 5.0%					W3311	68+66.53	92.98	949.90	
W3316	W3315	Landing/Turning Space	6	12.87	0.01	0.1%	0.1% to 2.0%					W3312	68+61.82	94.46	949.93	
W3309	W3310	Crosswalk Cross Slope - No Yield Condition	6	5.16	-0.11	-2.1%	0.0% to 5.0%					W3313	68+89.88	79.96	950.15	
W3310	W3311	Ramp Running Slope	6	4.94	0.35	7.1%	0.5% to 8.3%					W3314	69+05.25	79.18	950.16	
W3311	W3308	Ramp Cross Slope	6	5.04	-0.05	-1.0%	0.1% to 2.0%					W3315	69+03.35	83.80	950.05	
W3311	W3312	Landing/Turning Space	6	5.06	0.03	0.6%	0.1% to 2.0%					W3316	68+90.95	84.96	950.04	
W3312	W3307	Landing/Turning Space	6	4.90	-0.03	-0.6%	0.1% to 2.0%									
W3307	W3308	Landing/Turning Space	6	5.00	-0.05	-1.0%	0.1% to 2.0%					W3411	69+44.93	99.03	949.03	
W3308	W3309	Ramp Running Slope	6	4.95	-0.19	-3.8%	0.5% to 8.3%					W3412	69+50.64	102.41	949.07	
												W3413	69+59.51	107.24	949.13	
												W3414	69+56.97	111.55	949.09	
W3411	W3412	Ramp Running Slope	6	6.71	0.04	0.6%	0.5% to 8.3%					W3415	69+48.21	106.72	949.01	
W3411	W3416	Crosswalk Cross Slope - No Yield Condition	6	5.00	-0.12	-2.4%	0.0% to 5.0%					W3416	69+42.32	103.30	948.91	
W3412	W3413	Landing/Turning Space	6	10.00	0.06	0.6%	0.1% to 2.0%					W3417	69+24.16	88.22	949.58	
W3412	W3415	Ramp Cross Slope	6	4.71	-0.06	-1.3%	0.1% to 2.0%					W3418	69+28.30	90.45	949.51	
W3413	W3414	Landing/Turning Space	6	4.24	-0.04	-0.9%	0.1% to 2.0%					W3419	69+26.06	94.76	949.37	
W3414	W3415	Landing/Turning Space	6	10.00	-0.08	-0.8%	0.1% to 2.0%					W3420	69+22.01	92.73	949.46	
W3415	W3416	Ramp Running Slope	6	6.81	-0.10	-1.5%	0.5% to 8.3%									
W3418	W3419	Crosswalk Cross Slope - No Yield Condition	6	4.85	-0.14	-2.9%	0.0% to 5.0%									
W3418	W3417	Landing/Turning Space	6	4.70	0.07	1.5%	0.1% to 2.0%									
W3417	W3420	Crosswalk Cross Slope - No Yield Condition	6	5.00	-0.12	-2.4%	0.0% to 5.0%									
W3420	W3419	Landing/Turning Space	6	4.53	-0.09	-2.0%	0.1% to 2.0%	Yes								



WEST 27th STREET RECON  
RC-000-3240  
GREENHILL ROAD SIDEWALK

DATE: 3-25-2022  
PROJECT NO.: 60637669  
MILESTONE: FINAL PLANS  
SHEET NO.: 307  
DRAWING NO.: 307

PRINTED: 3/25/22

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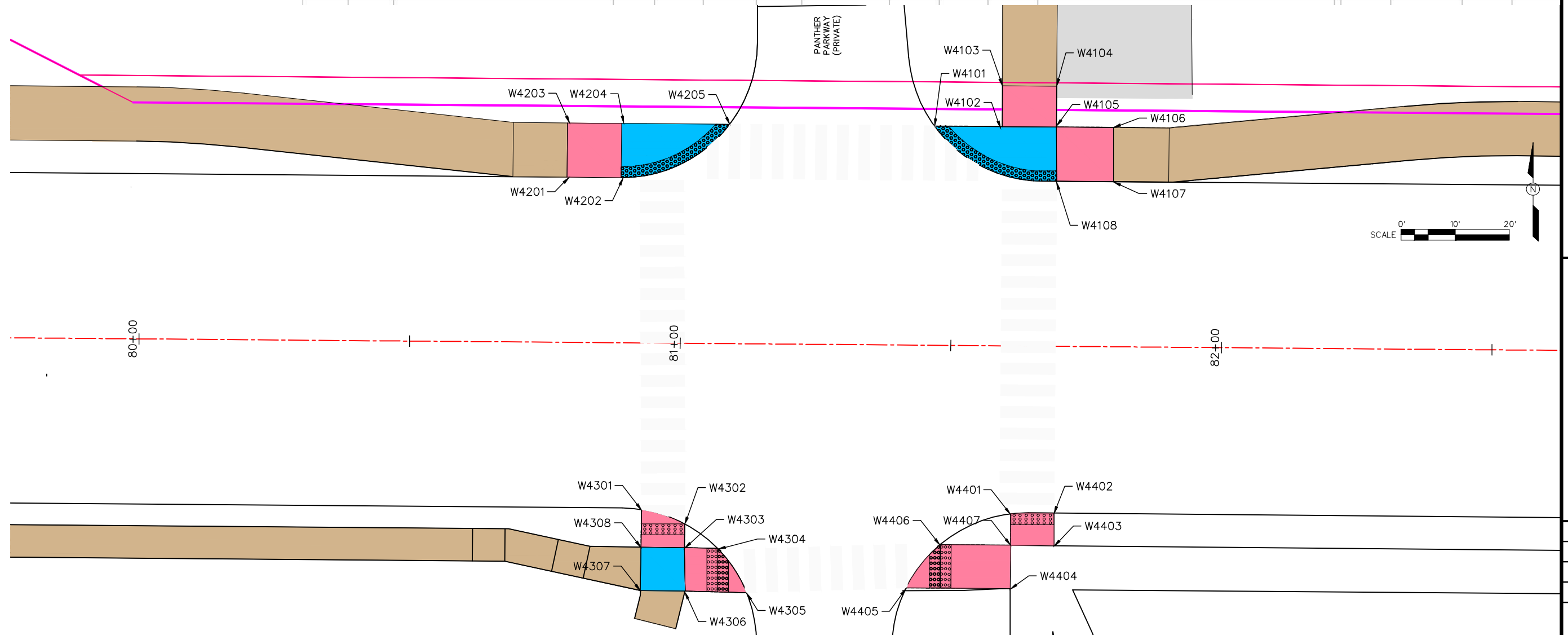
### SIDEWALK COMPLIANCE

See 5 Sheets

Item 17.

- \* 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	Distance & Elevation		Slope	Acceptable Constructed Range	Staking Required on this Quadrant?	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
			FT	FT							Point	Station	Offset	Elevation
W4101	W4102	Landing/Turning Space	6	12.45	0.10	0.8%	0.1% to 2.0%				W4101	81+46.68	-40.47	935.17
W4101	W4108	Crosswalk Cross Slope - No Yield Condition	6	25.73	-0.60	-2.3%	0.0% to 5.0%				W4102	81+59.21	-40.27	935.27
W4105	W4108	Landing/Turning Space	6	10.00	-0.10	-1.0%	0.1% to 2.0%				W4103	81+59.18	-40.01	935.00
W4102	W4103	Ramp Running Slope	6	7.53	-0.27	-3.6%	0.5% to 8.3%				W4104	81+69.18	-47.56	935.15
W4103	W4104	Ramp Cross Slope	6	10.00	0.15	1.5%	0.1% to 2.0%				W4105	81+69.21	-40.48	934.67
W4104	W4105	Ramp Running Slope	6	7.57	-0.48	-6.3%	0.5% to 8.3%				W4106	81+79.73	-40.48	934.35
W4105	W4106	Ramp Running Slope	6	10.56	-0.32	-3.0%	0.5% to 8.3%				W4107	91+79.83	-30.46	934.28
W4106	W4107	Ramp Cross Slope	6	10.00	-0.07	-0.7%	0.1% to 2.0%				W4108	81+69.21	-30.35	934.57
W4107	W4108	Ramp Running Slope	6	10.52	0.29	2.8%	0.5% to 8.3%				W4201	80+93.53	-30.95	938.11
W4205	W4204	Landing/Turning Space	6	19.99	0.37	1.9%	0.1% to 2.0%	Yes			W4202	80+93.57	-36.50	937.27
W4205	W4202	Crosswalk Cross Slope - Yield Condition	6	23.16	0.27	1.2%	0.0% to 2.0%				W4203	80+93.57	-46.50	938.26
W4204	W4202	Landing/Turning Space	6	10.00	-0.10	-1.0%	0.1% to 2.0%				W4204	81+01.57	-46.50	937.37
W4204	W4203	Ramp Running Slope	6	10.00	0.89	8.9%	0.5% to 9.9%				W4205	81+12.15	-46.50	937.00
W4202	W4201	Ramp Running Slope	6	10.00	0.84	8.4%	0.5% to 9.4%				W4206	81+05.07	-36.50	937.00
W4203	W4201	Ramp Cross Slope	6	10.58	-0.15	-1.4%	0.1% to 2.0%				W4207	81+01.57	-36.50	937.00
W4301	W4302	Crosswalk Cross Slope - No Yield Condition	6	8.43	-0.37	-4.4%	0.0% to 5.0%				W4208	81+01.55	-33.98	937.00
W4302	W4303	Ramp Running Slope	6	4.42	0.13	2.9%	0.5% to 8.3%				W4301	80+93.11	30.76	937.00
W4303	W4306	Ramp Cross Slope	6	8.01	0.08	1.0%	0.1% to 2.0%				W4302	81+01.10	33.33	936.69
W4303	W4304	Ramp Running Slope	6	6.17	-0.33	-5.3%	0.5% to 8.3%				W4303	81+01.07	37.75	936.82
W4304	W4305	Crosswalk Cross Slope - Yield Condition	6	9.78	-0.18	-1.8%	0.0% to 2.0%				W4304	81+07.24	37.84	936.49
W4305	W4306	Ramp Running Slope	6	11.37	0.59	5.2%	0.5% to 8.3%				W4305	81+12.64	45.92	936.31
W4307	W4306	Landing/Turning Space	6	8.25	-0.10	-1.2%	0.1% to 2.0%				W4306	81+01.27	45.75	936.90
W4307	W4308	Landing/Turning Space	6	8.00	-0.10	-1.3%	0.1% to 2.0%				W4307	90+93.01	45.69	937.00
W4401	W4402	Crosswalk Cross Slope - No Yield Condition	6	8.00	-0.21	-2.6%	0.0% to 5.0%				W4308	80+93.07	37.69	936.90
W4402	W4403	Ramp Running Slope	6	6.02	0.04	0.7%	0.5% to 8.3%				W4401	81+61.31	31.01	934.78
W4407	W4403	Ramp Cross Slope	6	8.00	-0.05	-0.6%	0.1% to 2.0%				W4402	81+69.31	30.80	934.57
W4407	W4406	Ramp Running Slope	6	8.00	-0.06	-0.7%	0.5% to 8.3%				W4403	81+69.39	36.82	934.61
W4406	W4405	Crosswalk Cross Slope - Yield Condition	6	10.18	0.88	8.6%	0.0% to 9.6%				W4404	81+61.34	44.81	934.70
W4405	W4404	Ramp Running Slope	6	19.23	-0.78	-4.1%	0.5% to 8.3%				W4405	81+42.10	44.79	935.48
W4404	W4407	Ramp Cross Slope	6	8.00	-0.04	-0.5%	0.1% to 2.0%				W4406	81+48.30	36.80	934.60
											W4407	81+61.39	36.81	934.66



WEST 27th STREET RECON  
RC-000-3240  
PANTHER PARKWAY SIDEWALK

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	309

DRN	Westley, Casey
DES	
CHK	Sweeney, Michelle
APP	
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DRN	CHK

PRINTED: 3/25/22

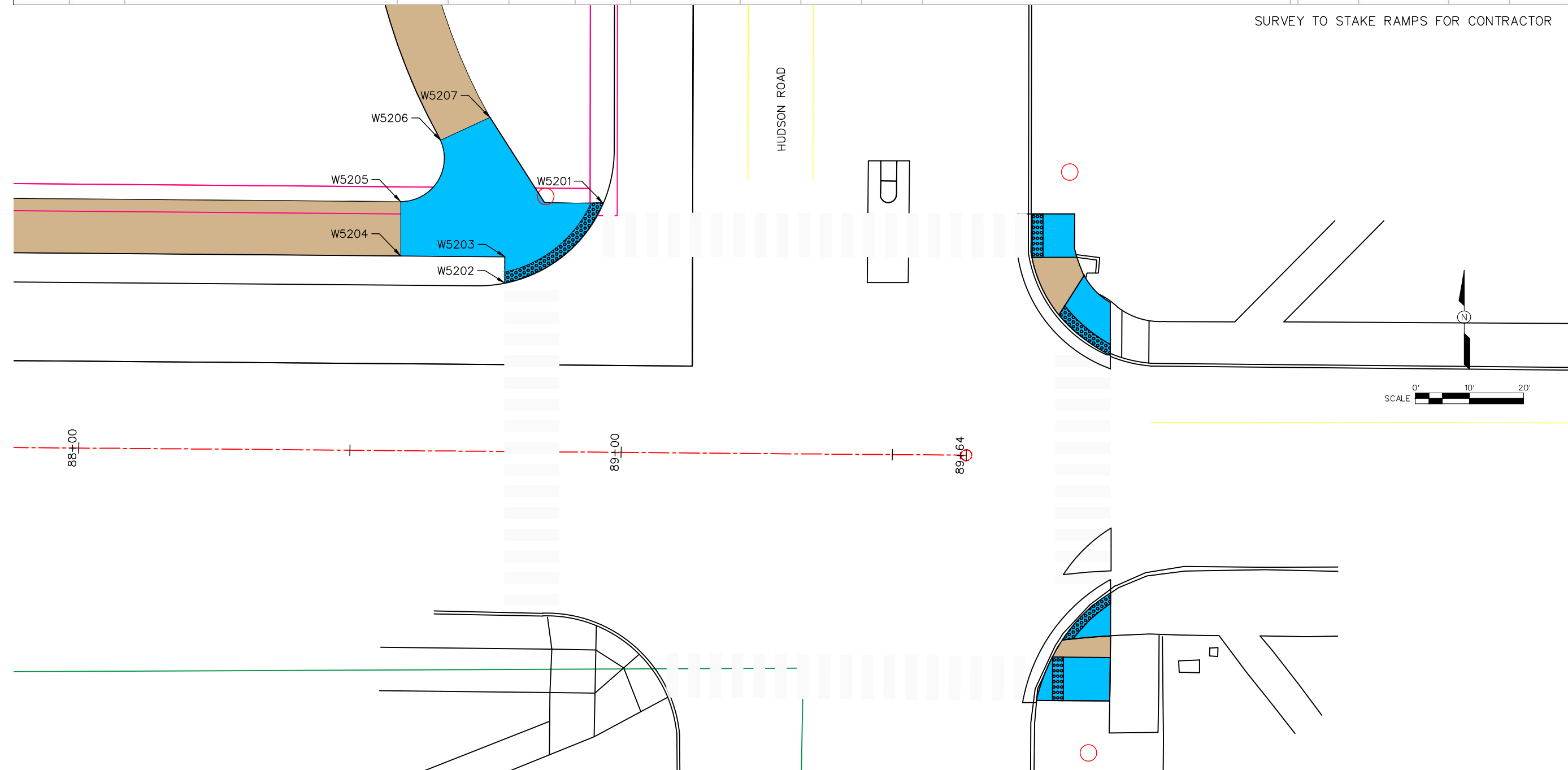
### SIDEWALK COMPLIANCE

113-10  
04-18-17

Item 17.

See 5 Sheets  
 \* Does not include curb  
 † Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.  
 ‡ Refer to tabulation 113-01 for bid quantities.

Point to Point	Sidewalk Designation	" PCC Sidewalk	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant?	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
											Point	Station	Offset	Elevation
W5201	W5202	Crosswalk Cross Slope - Yield Condition	6	24.26	-0.38	-1.6%	0.0% to 2.0%				W5201	88+96.34	-45.89	934.05
W5202	W5203	Landing/Turning Space	6	4.87	0.04	-1.6%	0.0% to 2.0%				W5202	88+78.31	-31.02	933.67
W5203	W5204	Landing/Turning Space	6	19.22	0.29	-1.6%	0.0% to 2.0%				W5203	88+78.31	-35.89	933.71
W5204	W5205	Landing/Turning Space	6	10.00	0.07	-1.6%	0.0% to 2.0%				W5204	88+59.09	-35.89	934.00
W5205	W5206	Landing/Turning Space	6	16.68	-0.12	-1.6%	0.0% to 2.0%				W5205	88+59.01	-45.89	934.07
W5206	W5207	Landing/Turning Space	6	10.00	-0.06	-1.6%	0.0% to 2.0%				W5206	88+65.97	-57.83	933.95
W5207	W5201	Landing/Turning Space	6	29.83	0.16	0.8%	0.1% to 2.0%				W5207	88+74.68	-62.75	933.89



DRN	Westley, Casey
DES	
CHK	Sweeney, Michelle
APP	
REC'D	



WEST 27th STREET RECON  
 RC-000-3240  
 HUDSON ROAD SIDEWALK

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	310

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**TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS**

Station	Cut				Fill				Checks (EW-102)		Topsoil				[16]	[17]	[18]	[19]	[20]	[21]	[22]	
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]							
	Template Cut Volume	Template Class 10 Volume	Template Topsoil Cut Volume	Total Cut Adjusted	Total Cut Adjusted w/ Weighted Average 1 Shrink Factor	Template Fill Volume	Topsoil Stripping + Fill	Total Fill Adjusted	Total Cut Adjusted w/ 1 Shrink Factor Minus Fill	Approx. Fill Volume Below 5' And Above 20' Cu. Yds.	Approx. Fill Volume Below 3' Cu. Yds.	Total Topsoil Cut Volume	Template Topsoil Replacement Volume	Topsoil Cut With 1.4 Shrink Factor	Topsoil Cut With Shrink Minus Topsoil Replacement							
W 27TH STREET																						
42+84.30	0	0	0	0	0	0		0	0	0	0	0	0	0								
43+00.00	47	21	26	21	21	34	26	60	-39	0	34	26	41	19	-22							
43+25.00	75	33	42	33	33	54	42	96	-63	0	54	42	43	30	-13							
43+50.00	101	41	61	41	41	79	61	140	-99	0	79	61	52	44	-8							
43+75.00	129	49	80	49	49	107	80	187	-138	0	107	80	60	57	-3							
44+00.00	131	52	79	52	52	113	79	191	-139	0	112	79	59	57	-2							
44+25.00	129	53	76	53	53	117	76	193	-140	0	117	76	59	55	-4							
44+50.00	122	50	72	50	50	117	72	189	-139	0	117	72	57	52	-5							
44+75.00	112	45	67	45	45	117	67	184	-139	0	117	67	54	48	-6							
45+00.00	107	42	65	42	42	121	65	185	-143	0	120	65	53	47	-6							
45+25.00	110	44	65	44	44	123	65	188	-144	0	123	65	53	47	-6							
45+50.00	115	49	66	49	49	120	66	186	-137	0	119	66	53	48	-5							
45+75.00	124	56	68	56	56	107	68	175	-119	0	107	68	53	49	-4							
46+00.00	148	73	75	73	73	107	75	182	-109	0	107	75	51	54	3							
46+25.00	157	75	82	75	75	133	82	216	-141	0	133	82	45	59	14							
46+50.00	148	56	92	56	56	167	92	259	-203	0	166	92	39	66	27							
46+75.00	140	31	109	31	31	182	109	292	-261	0	182	109	39	79	40							
47+00.00	169	36	133	36	36	157	133	290	-254	0	157	133	27	95	68							
47+25.00	234	93	141	93	93	125	141	266	-173	0	125	141	39	101	62							
47+50.00	307	168	139	168	168	110	139	249	-81	0	109	139	36	100	64							
47+75.00	341	195	146	195	195	78	146	223	-28	0	77	146	24	104	80							
48+00.00	275	136	139	136	136	68	139	206	-70	0	67	139	49	100	51							
48+25.00	172	65	107	65	65	77	107	184	-119	0	76	107	44	77	33							
48+50.00	120	39	81	39	39	72	81	153	-114	0	72	81	47	58	11							
48+75.00	118	42	76	42	42	74	76	151	-109	0	74	76	62	55	-7							
49+00.00	119	44	75	44	44	85	75	160	-116	0	84	75	64	54	-10							
49+25.00	120	47	74	47	47	94	74	168	-121	0	94	74	64	53	-11							
49+50.00	116	50	66	50	50	67	66	133	-83	0	66	66	59	48	-11							
49+75.00	116	58	58	58	58	31	58	89	-31	0	31	58	52	42	-10							
50+00.00	120	64	56	64	64	21	56	77	-13	0	20	56	51	41	-10							
50+25.00	107	51	55	51	51	29	55	84	-33	0	29	55	53	40	-13							
50+50.00	90	37	53	37	37	66	53	118	-81	0	65	53	53	38	-15							
50+75.00	84	34	50	34	34	103	50	153	-119	0	102	50	53	36	-17							
51+00.00	92	35	57	35	35	125	57	182	-147	0	125	57	57	41	-16							
51+25.00	100	35	65	35	35	142	65	206	-171	0	141	65	61	47	-14							
51+50.00	102	35	67	35	35	151	67	217	-182	0	150	67	61	48	-13							
51+75.00	104	35	69	35	35	157	69	226	-191	0	157	69	62	50	-12							
52+00.00	104	34	70	34	34	170	70	240	-206	0	169	70	60	51	-9							
52+25.00	103	33	70	33	33	181	70	252	-219	0	181	70	59	51	-8							
52+50.00	103	33	70	33	33	185	70	255	-222	0	185	70	58	51	-7							
52+75.00	104	34	70	34	34	184	70	253	-219	0	183	70	57	50	-7							
53+00.00	104	35	69	35	35	178	69	247	-212	0	178	69	57	50	-7							
53+25.00	102	33	69	33	33	166	69	234	-201	0	165	69	61	50	-11							
53+50.00	113	35	78	35	35	152	78	230	-195	0	151	78	65	56	-9							
53+75.00	131	43	88	43	43	160	88	248	-205	0	159	88	58	63	5							
54+00.00	159	48	110	48	48	236	110	346	-298	0	235	110	54	79	25							
54+25.00	195	48	148	48	48	375	148	523	-475	0	375	148	55	106	51							
54+50.00	193	28	165	28	28	491	165	656	-628	0	490	165	49	118	69							
54+75.00	186	19	167	19	19	554	167	720	-701	0	553	167	52	120	68							
55+00.00	198	30	167	30	30	589	167	756	-726	0	588	167	62	120	58							
55+25.00	190	27	163	27	27	595	163	758	-731	0	594	163	53	117	64							
55+50.00	197	36	161	36	36	586	161	747	-711	0	585	161	53	116	63							
55+75.00	201	51	150	51	51	555	150	705	-654	0	555	150	67	108	41							
56+00.00	171	47	124	47	47	462	124	586	-539	0	461	124	69	89	20							
56+25.00	146	41	105	41	41	364	105	469	-428	0	364	105	66	75	9							
56+50.00	133	38	95	38	38	318	95	413	-375	0	318	95	65	68	3							
56+75.00	126	36	90	36	36	288	90	378	-342	0	288	90	62	65	3							
57+00.00	119	34	84	34	34	252	84	336	-302	0	252	84	60	61	1							
57+25.00	116	34	82	34	34	193	82	275	-241	0	192	82	60	59	-1							
57+50.00	114	35	79	35	35	186	79	265	-230	0	185	79	60	57	-3							
57+75.00	109	34	75	34	34	229	75	304	-270	0	228	75	58	54	-4							
58+00.00	107	33	74	33	33	232	74	305	-272	0	231	74	58	53	-5							
58+25.00	106	33	73	33	33	216	73	289	-256	0	216	73	58	52	-6							
58+50.00	106	35	71	35	35	203	71	274	-239	0	202	71	60	51	-9							
58+75.00	105	35	70	35	35	193	70	263	-228	0	192	70	62	50	-12							
59+00.00	106	36	70	36	36	178	70	248	-212	0	177	70	60	51	-9							
59+25.00	105	36	69	36	36	163	69	233	-197	0	163	69	58	50	-8							
59+50.00	103	35	68	35	35	153	68	221	-186	0	153	68	57	49	-8							
59+75.00	104	35	69	35	35	121	69	190	-155	0	120	69	58	50	-8							

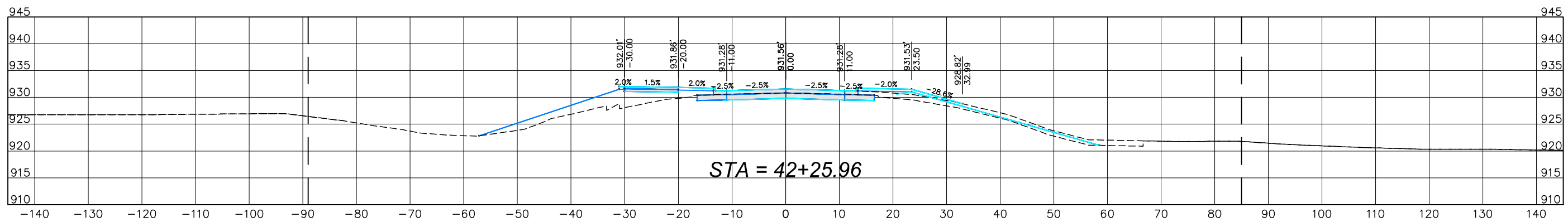
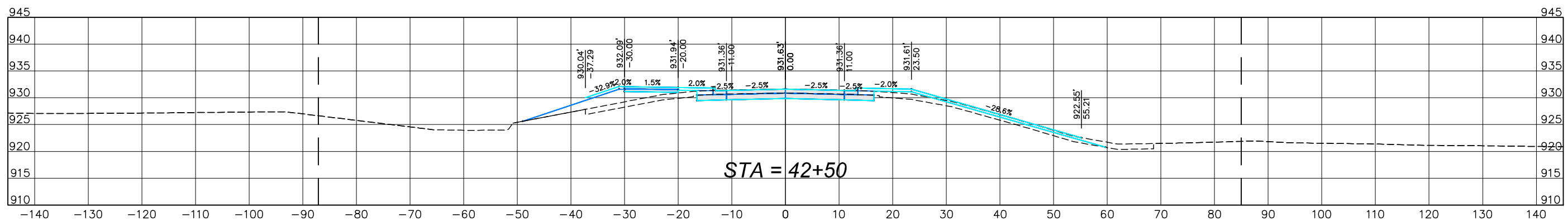
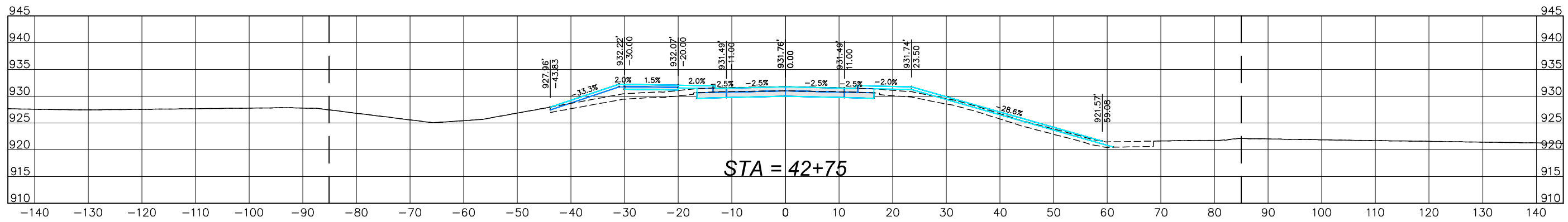
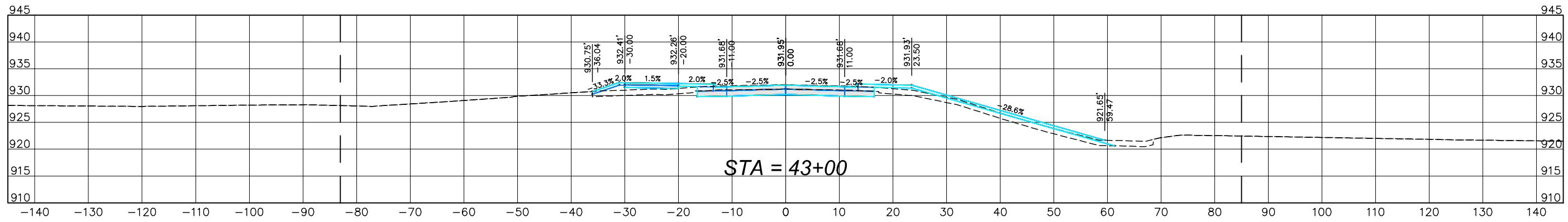
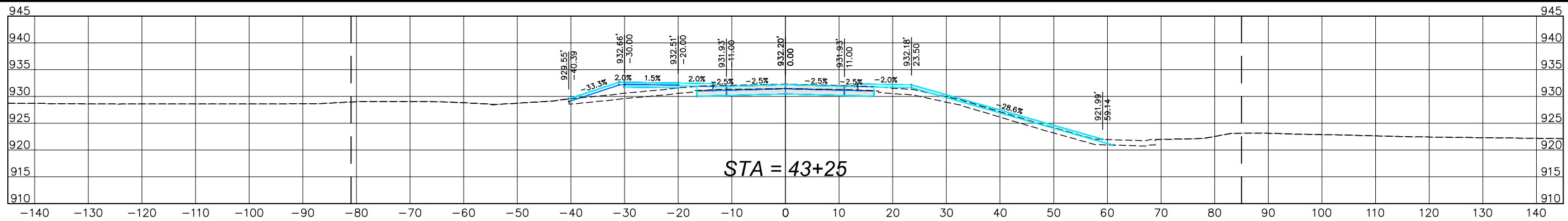


**TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS**

Station	Cut					Fill				Checks (EW-102)		Topsoil				[16]	[17]	[18]	[19]	[20]	[21]	[22]	
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]								
	Template Cut Volume	Template Class 10 Volume	Template Topsoil Cut Volume	Total Cut Adjusted	Total Cut Adjusted w/ Weighted Average 1 Shrink Factor	Template Fill Volume	Topsoil Stripping + Fill	Total Fill Adjusted	Total Cut Adjusted w/ 1 Shrink Factor Minus Fill	Approx. Fill Volume Below 5' And Above 20' Cu. Yds.	Approx. Fill Volume Below 3' Cu. Yds.	Total Topsoil Cut Volume	Template Topsoil Replacement Volume	Topsoil Cut With 1.4 Shrink Factor	Topsoil Cut With Shrink Minus Topsoil Replacement								
60+00.00	104	37	66	37	37	128	66	194	-157	0	128	66	59	48	-11								
60+25.00	99	38	62	38	38	159	62	220	-182	0	158	62	60	45	-15								
60+50.00	96	36	60	36	36	155	60	215	-179	0	154	60	60	44	-16								
60+75.00	96	34	61	34	34	148	61	209	-175	0	148	61	60	44	-16								
61+00.00	96	33	62	33	33	143	62	205	-172	0	143	62	61	45	-16								
61+25.00	94	33	61	33	33	134	61	195	-162	0	134	61	59	44	-15								
61+50.00	87	33	54	33	33	120	54	174	-141	0	120	54	58	39	-19								
62+00.00	83	34	49	34	34	111	49	159	-125	0	110	49	57	35	-22								
62+25.00	89	36	53	36	36	107	53	160	-124	0	107	53	57	38	-19								
62+50.00	95	36	58	36	36	108	58	166	-130	0	107	58	58	42	-16								
62+75.00	96	36	60	36	36	109	60	170	-134	0	109	60	60	44	-16								
63+00.00	88	35	53	35	35	107	53	160	-125	0	107	53	60	38	-22								
63+25.00	88	36	52	36	36	110	52	162	-126	0	109	52	59	38	-21								
63+50.00	79	36	43	36	36	84	43	127	-91	0	84	43	44	31	-13								
63+75.00	63	36	27	36	36	54	27	81	-45	0	54	27	30	20	-10								
64+00.00	63	37	26	37	37	51	26	77	-40	0	51	26	30	19	-11								
64+25.00	63	37	26	37	37	45	26	70	-33	0	44	26	30	19	-11								
64+50.00	60	37	23	37	37	34	23	57	-20	0	33	23	30	17	-13								
64+75.00	62	37	25	37	37	40	25	65	-28	0	39	25	30	18	-12								
65+00.00	66	37	30	37	37	54	30	84	-47	0	54	30	30	22	-8								
65+25.00	67	37	30	37	37	54	30	84	-47	0	53	30	30	22	-8								
65+50.00	68	39	29	39	39	48	29	77	-38	0	48	29	30	21	-9								
65+75.00	70	43	27	43	43	40	27	67	-24	0	40	27	30	20	-10								
66+00.00	71	47	24	47	47	33	24	57	-10	0	33	24	31	18	-13								
66+25.00	71	50	21	50	50	27	21	48	2	0	27	21	31	16	-15								
66+50.00	67	50	17	50	50	21	17	39	11	0	21	17	31	13	-18								
66+75.00	63	48	15	48	48	18	15	33	15	0	17	15	31	11	-20								
67+00.00	59	45	14	45	45	18	14	32	13	0	17	14	30	11	-19								
67+25.00	52	39	13	39	39	18	13	31	8	0	18	13	30	10	-20								
67+50.00	50	37	13	37	37	17	13	31	6	0	17	13	29	10	-19								
67+75.00	54	41	14	41	41	15	14	29	12	0	15	14	28	10	-18								
68+00.00	67	51	16	51	51	14	16	30	21	0	14	16	30	12	-18								
68+25.00	97	69	28	69	69	25	28	53	16	0	24	28	33	20	-13								
68+50.00	140	90	49	90	90	48	49	97	-7	0	48	49	35	36	1								
68+75.00	211	120	91	120	120	81	91	172	-52	0	80	91	52	65	13								
69+00.00	346	127	218	127	127	55	218	273	-146	0	54	218	148	156	8								
69+25.00	268	110	158	110	110	7	158	165	-55	0	7	158	114	113	-1								
69+50.00	215	101	114	101	101	6	114	120	-19	0	5	114	288	82	-206								
69+75.00	360	143	217	143	143	4	217	220	-77	0	3	217	320	155	-165								
70+00.00	326	148	178	148	148	87	178	264	-116	0	86	178	51	127	76								
70+25.00	220	101	119	101	101	203	119	322	-221	0	202	119	36	85	49								
70+50.00	169	82	87	82	82	214	87	301	-219	0	214	87	34	63	29								
70+75.00	138	56	82	56	56	187	82	269	-213	0	186	82	37	59	22								
71+00.00	118	41	77	41	41	172	77	249	-208	0	172	77	41	55	14								
71+25.00	112	38	74	38	38	160	74	234	-196	0	159	74	43	53	10								
71+50.00	109	41	67	41	41	135	67	203	-162	0	135	67	42	49	7								
71+75.00	108	47	62	47	47	115	62	176	-129	0	114	62	41	44	3								
72+00.00	113	52	61	52	52	105	61	167	-115	0	107	61	39	44	5								
72+25.00	119	60	59	60	60	90	59	149	-89	0	89	59	39	43	4								
72+50.00	120	68	53	68	68	65	53	118	-50	0	65	53	38	38	0								
72+75.00	119	72	48	72	72	50	48	98	-26	0	50	48	39	34	-5								
73+00.00	113	69	44	69	69	41	44	85	-16	0	41	44	34	32	-2								
73+25.00	105	69	36	69	69	32	36	68	1	0	31	36	22	26	4								
73+50.00	102	69	33	69	69	26	33	59	10	0	25	33	19	24	5								
73+75.00	109	70	39	70	70	20	39	59	11	0	20	39	22	28	6								
74+00.00	127	79	49	79	79	12	49	61	18	0	12	49	28	35	7								
74+25.00	139	85	53	85	85	7	53	60	25	0	6	53	33	39	6								
74+50.00	140	85	54	85	85	5	54	59	26	0	4	54	33	39	6								
74+75.00	140	84	55	84	84	4	55	59	25	0	4	55	34	40	6								
75+00.00	136	82	54	82	82	3	54	57	25	0	3	54	33	39	6								
75+25.00	133	79	53	79	79	5	53	59	20	0	5	53	32	39	7								
75+50.00	130	75	55	75	75	11	55	66	9	0	10	55	31	40	9								
75+75.00	125	69	56	69	69	14	56	71	-2	0	14	56	30	41	11								
76+00.00	120	64	56	64	64	19	56	76	-12	0	19	56	30	41	11								
76+25.00	120	62	57	62	62	28	57	85	-23	0	27	57	30	42	12								
76+50.00	123	64	59	64	64	36	59	95	-31	0	35	59	32	43	11								
76+75.00	122	66	56	66	66	35	56	91	-25	0	34	56	31	40	9								
77+00.00	115	65	50	65	65	32	50	82	-17	0	31	50	28	36	8								
77+25.00	114	65	50	65	65	42	50	91	-26	0	41	50	28	36	8								
77+50.00	119	65	53	65	65	53	53	106	-41	0	53	53	31	39	8								

**TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS**

Station	Cut					Fill				Checks (EW-102)		Topsoil				[16]	[17]	[18]	[19]	[20]	[21]	[22]		
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]									
	Template Cut Volume	Template Class 10 Volume	Template Topsoil Cut Volume	Total Cut Adjusted	Total Cut Adjusted w/ Weighted Average 1 Shrink Factor	Template Fill Volume	Topsoil Stripping + Fill	Total Fill Adjusted	Total Cut Adjusted w/ 1 Shrink Factor Minus Fill	Approx. Fill Volume Below 5' And Above 20' Cu. Yds.	Approx. Fill Volume Below 3' Cu. Yds.	Total Topsoil Cut Volume	Template Topsoil Replacement Volume	Topsoil Cut With 1.4 Shrink Factor	Topsoil Cut With Shrink Minus Topsoil Replacement									
77+50.00	124	67	57	67	67	57	57	114	-47	0	57	57	32	41	9									
77+75.00	126	69	57	69	69	57	57	114	-45	0	57	57	31	41	10									
78+00.00	124	69	55	69	69	57	55	112	-43	0	57	55	30	40	10									
78+25.00	120	66	54	66	66	60	54	114	-48	0	59	54	30	39	9									
78+50.00	118	64	53	64	64	58	53	112	-48	0	58	53	30	39	9									
78+75.00	118	66	52	66	66	52	52	105	-39	0	52	52	29	38	9									
79+00.00	119	69	51	69	69	47	51	97	-28	0	46	51	29	37	8									
79+25.00	122	73	49	73	73	40	49	89	-16	0	39	49	28	36	8									
79+50.00	121	75	46	75	75	29	46	75	0	0	29	46	27	33	6									
79+75.00	117	77	40	77	77	22	40	62	15	0	21	40	24	29	5									
80+00.00	115	78	37	78	78	23	37	60	18	0	22	37	24	27	4									
80+25.00	118	79	39	79	79	31	39	70	9	0	31	39	25	28	3									
80+50.00	119	78	40	78	78	38	40	79	-1	0	38	40	27	29	2									
80+75.00	113	75	37	75	75	36	37	73	2	0	35	37	25	27	2									
81+00.00	122	83	39	83	83	16	39	55	28	0	16	39	40	28	-12									
81+25.00	123	101	22	101	101	0	22	22	79	0	0	22	29	17	-12									
81+50.00	134	111	24	111	111	0	24	24	87	0	0	24	32	17	-15									
81+75.00	141	94	47	94	94	4	47	51	43	0	4	47	44	34	-10									
82+00.00	120	73	47	73	73	10	47	56	17	0	9	47	23	34	11									
82+25.00	108	69	39	69	69	9	39	48	21	0	8	39	23	28	5									
82+50.00	95	66	28	66	66	6	28	35	31	0	6	28	23	21	-2									
82+75.00	86	62	24	62	62	5	24	29	33	0	5	24	23	18	-5									
83+00.00	83	61	22	61	61	5	22	27	34	0	4	22	23	16	-7									
83+25.00	59	41	17	41	41	2	17	20	21	0	2	17	16	13	-3									
83+50.00	41	21	20	21	21	5	20	25	-4	0	4	20	10	15	5									
83+75.00	49	22	27	22	22	9	27	36	-14	0	9	27	10	20	10									
84+00.00	50	23	27	23	23	9	27	36	-13	0	8	27	10	20	10									
84+25.00	51	24	27	24	24	8	27	35	-11	0	7	27	10	20	10									
84+50.00	51	24	27	24	24	7	27	34	-10	0	7	27	10	20	10									
84+75.00	50	23	27	23	23	7	27	34	-11	0	7	27	10	20	10									
85+00.00	50	23	27	23	23	6	27	33	-10	0	6	27	10	20	10									
85+25.00	51	24	27	24	24	5	27	32	-8	0	5	27	10	20	10									
85+50.00	51	24	27	24	24	6	27	32	-8	0	5	27	10	20	10									
85+75.00	51	24	27	24	24	6	27	33	-9	0	6	27	10	20	10									
86+00.00	50	24	27	24	24	6	27	33	-9	0	6	27	10	20	10									
86+25.00	50	23	27	23	23	6	27	33	-10	0	5	27	10	20	10									
86+50.00	49	23	27	23	23	4	27	31	-8	0	4	27	10	20	10									
86+75.00	48	22	27	22	22	5	27	32	-10	0	5	27	10	20	10									
87+00.00	48	21	27	21	21	13	27	40	-19	0	13	27	10	20	10									
87+25.00	49	22	27	22	22	11	27	38	-16	0	11	27	10	20	10									
87+50.00	50	23	27	23	23	3	27	30	-7	0	3	27	10	20	10									
87+75.00	49	22	27	22	22	4	27	31	-9	0	4	27	10	20	10									
88+00.00	49	22	27	22	22	5	27	32	-10	0	4	27	10	20	10									
88+25.00	50	23	27	23	23	3	27	30	-7	0	2	27	10	20	10									
88+50.00	51	24	27	24	24	1	27	28	-4	0	1	27	10	20	10									
88+73.20	44	20	25	20	20	0	25	25	-5	0	0	25	10	18	8									
27th Street Totals	21,145	9,654	11,490	9,654	9,653	18,093	11,490	29,583	-19,930	0	18,008	11,490	9,630	13,482	-1,992									

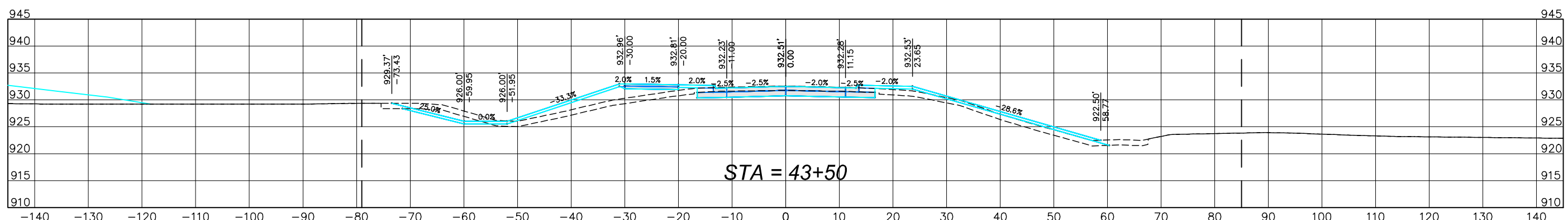
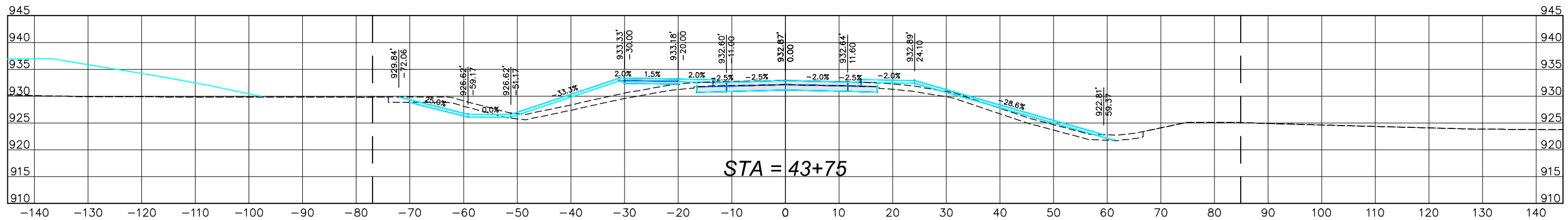
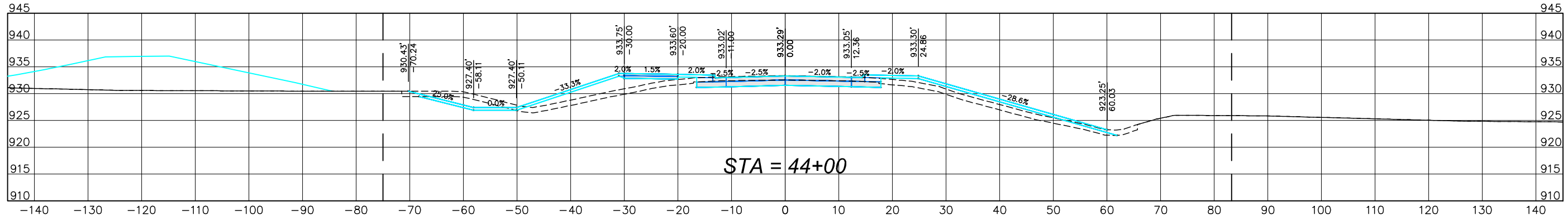
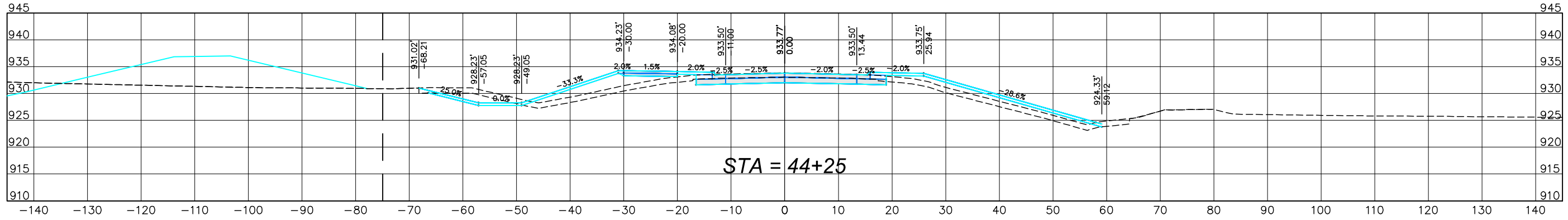
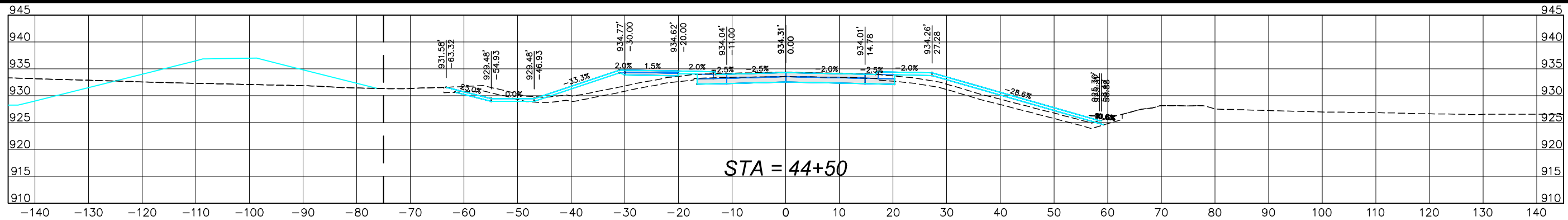


Item 17.	DWT
DRN	CHK
DES	NO
CHK	SWENEY, MICHAEL
APP	
REVISIONS	
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CROSS SECTIONS

DATE	3-25-2022
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MILESTONE	FINAL PLANS
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DRAWING NO.	314



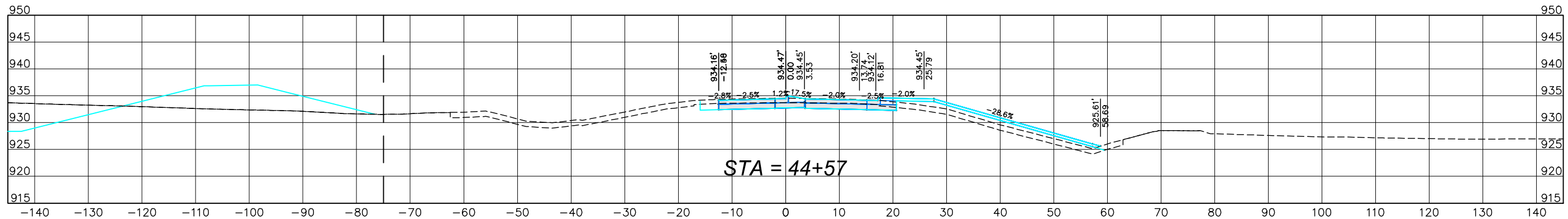
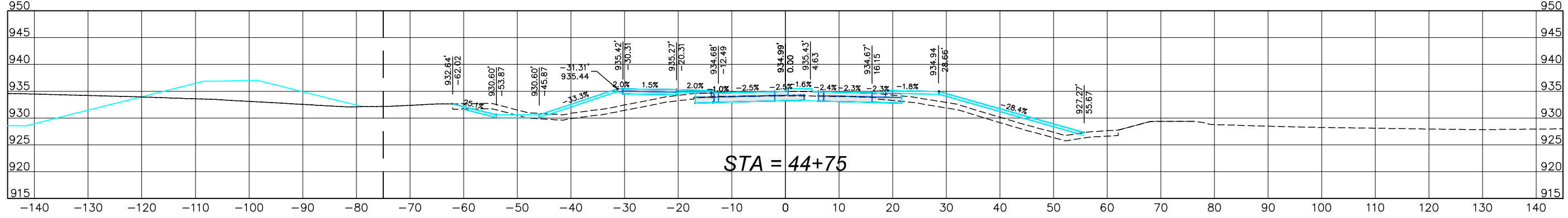
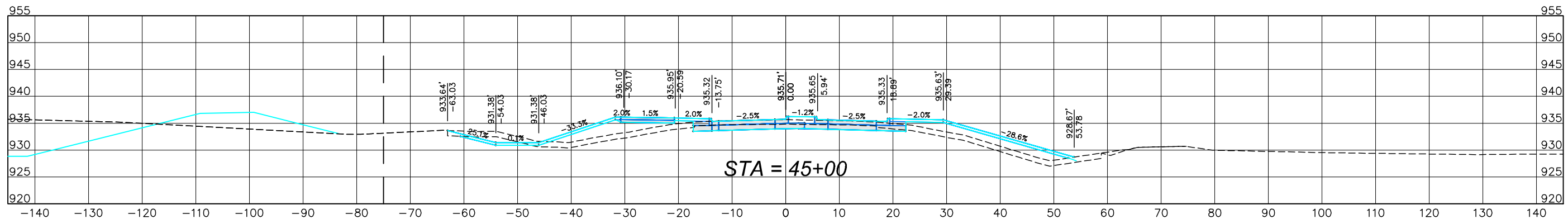
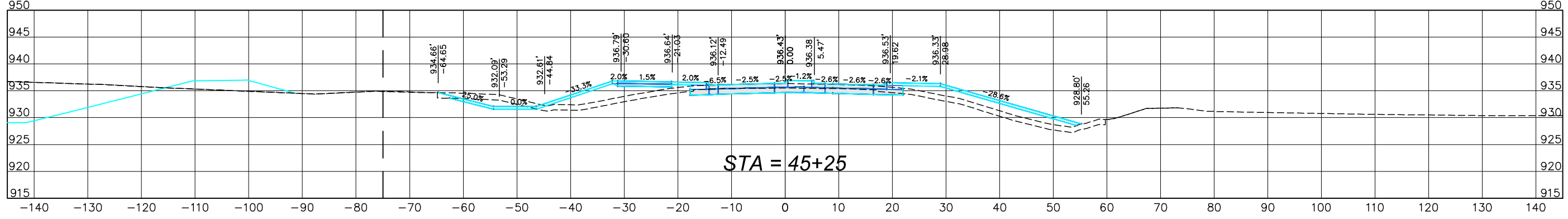
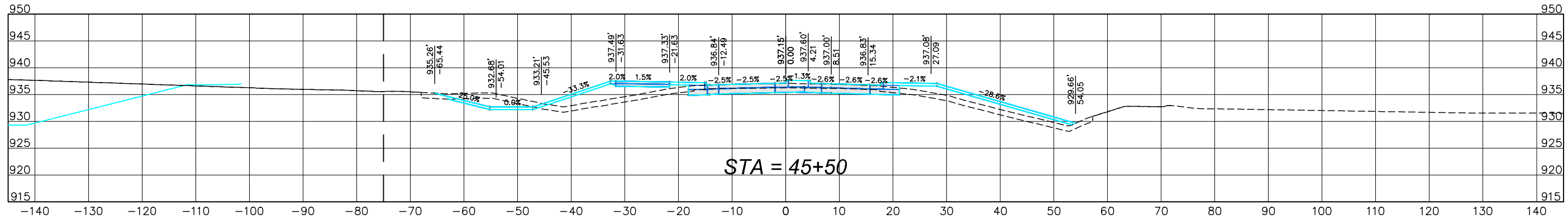
Item 17.	DWT
DRN	Westley, Casey
DES	
CHK	Sweeney, Michelle
APP	
REVISIONS	
NO	
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DRAWING NO.	315





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	CHK
	NO
	REVISIONS
DRN	Westley, Casey
DES	
CHK	Sweeney, Michelle
APP	
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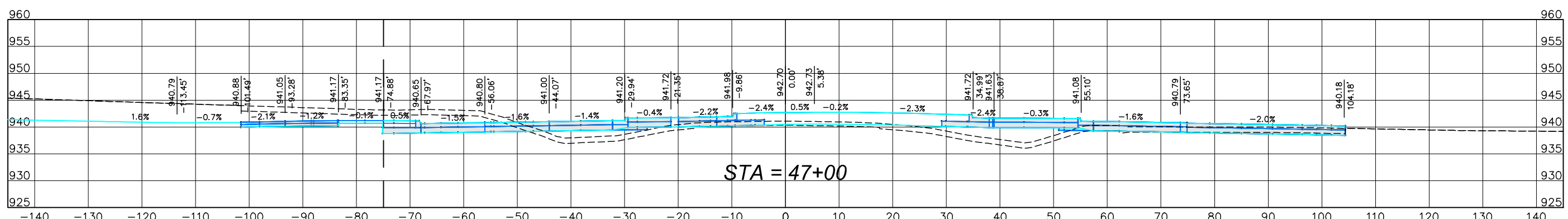
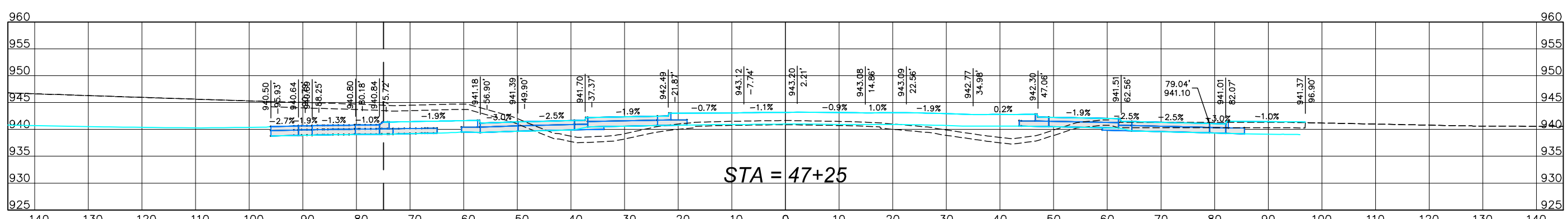
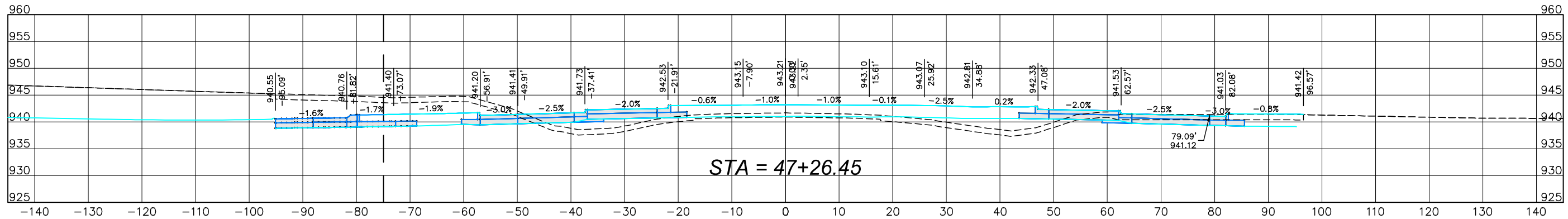
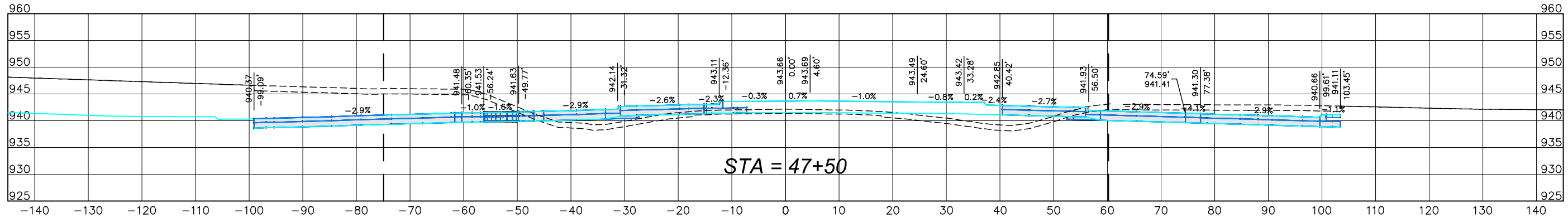
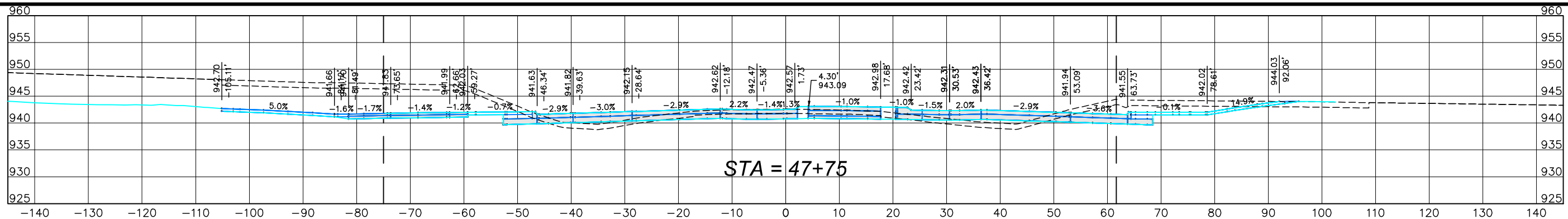
WEST 27th STREET RECON  
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CROSS SECTIONS

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MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	316



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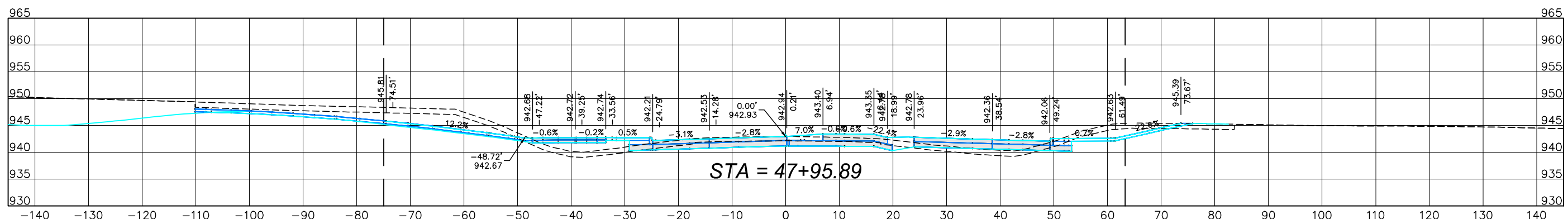
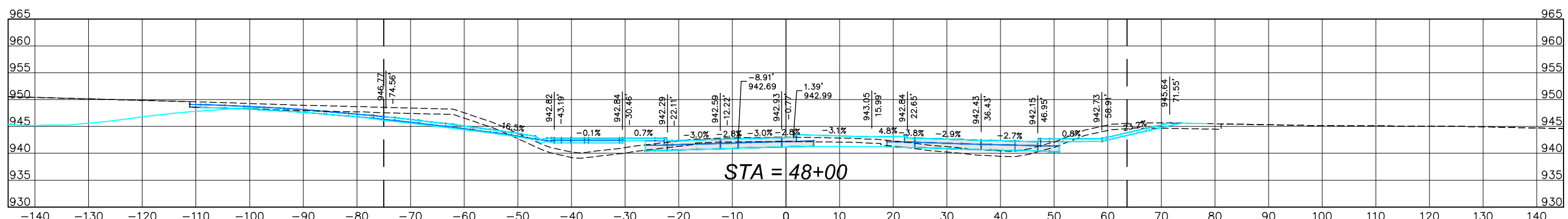
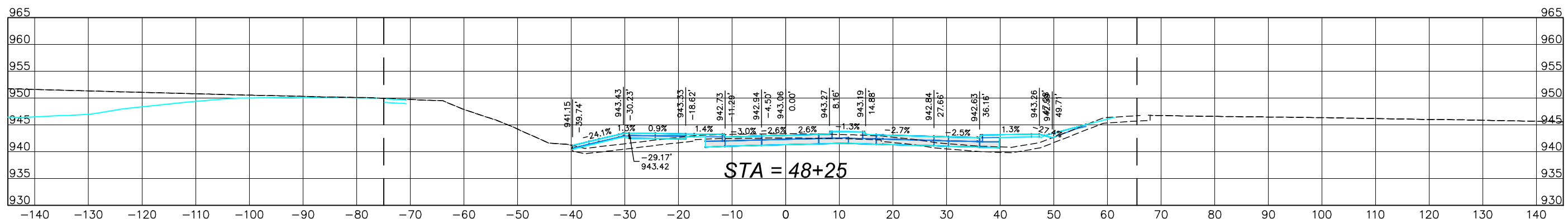
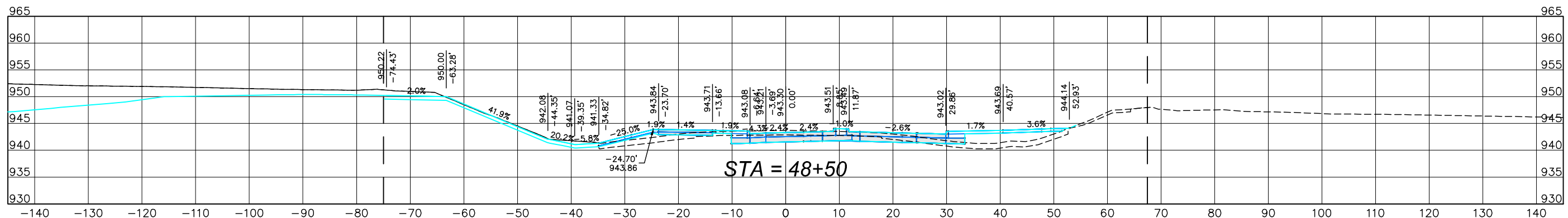
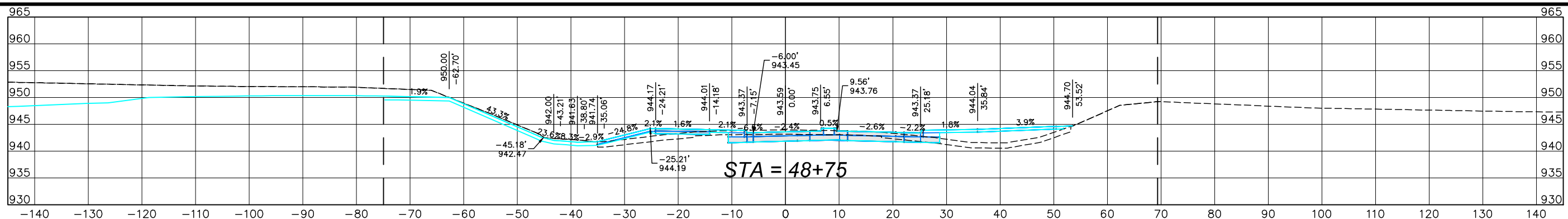
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PROJECT NO. 60637669  
MILESTONE FINAL PLANS  
SHEET NO. 318  
DRAWING NO. 318



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	DES	APP		
	DRN	APP		
	DES	APP		
	CHK	APP		
	APP	APP		



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CROSS SECTIONS

DATE	3-25-2022
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MILESTONE	FINAL PLANS
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DRAWING NO.	319



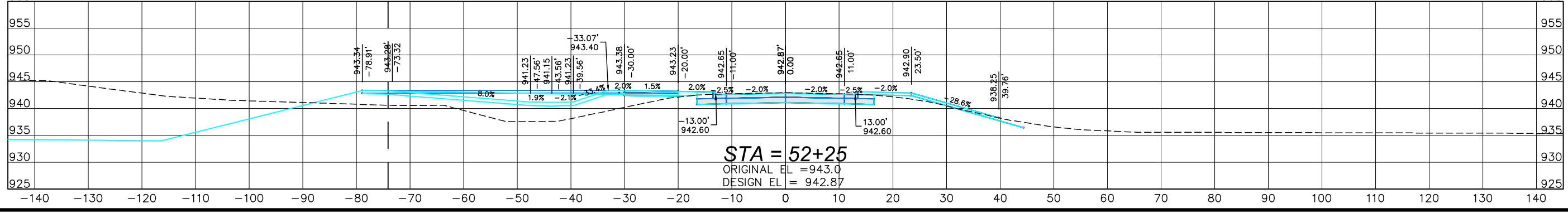
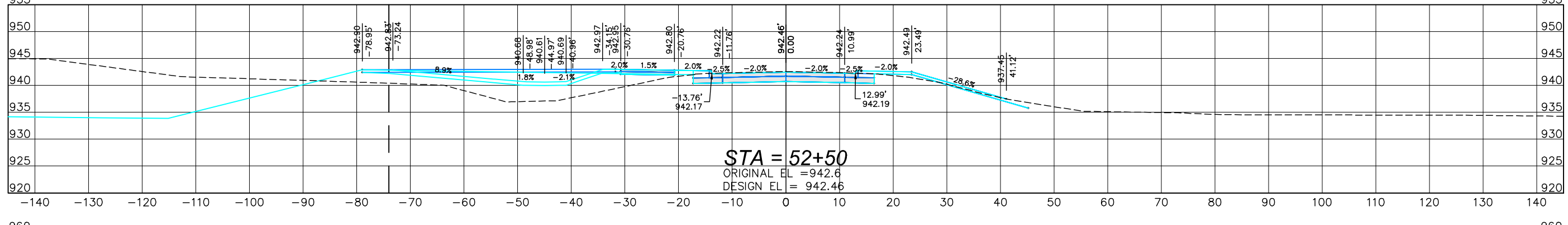
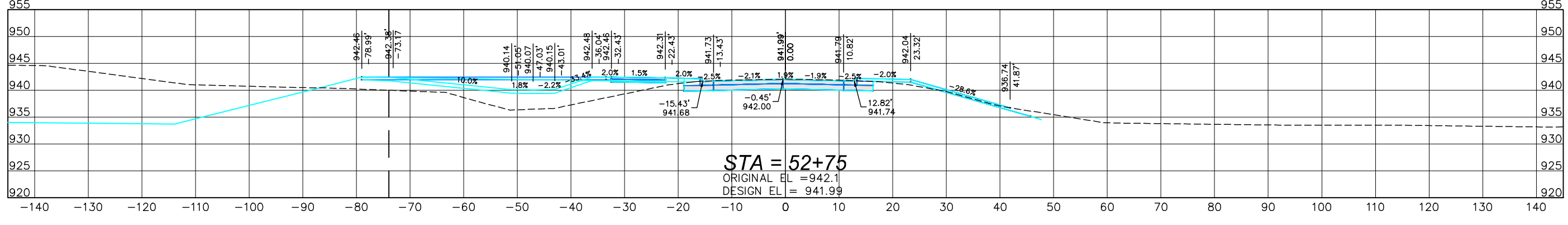
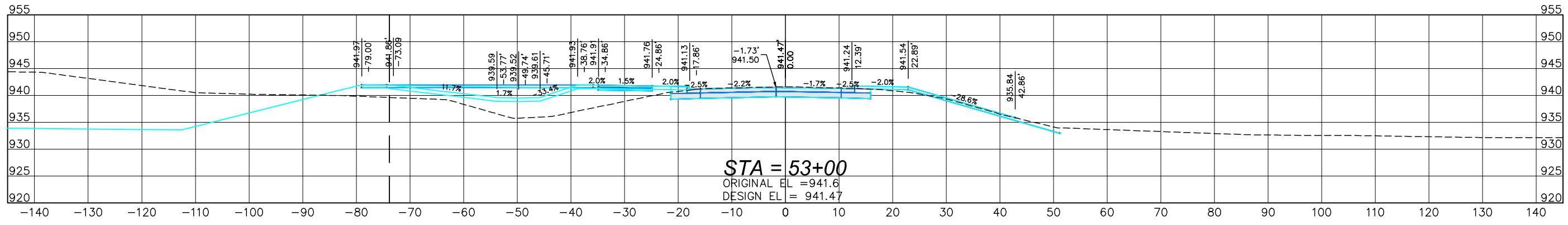
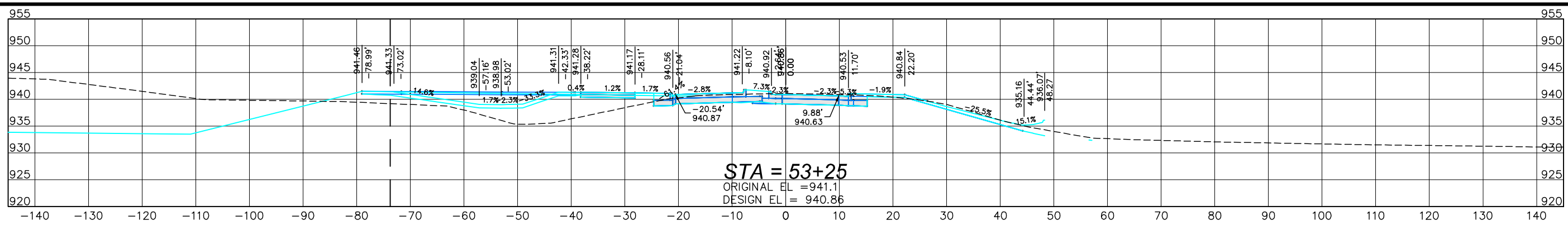






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Item 17.	DATE	3-25-2022
DRN Westley, Casey	PROJECT NO.	60637669
DES	MILESTONE	FINAL PLANS
CHK Sweeney, Michelle	SHEET NO.	323
APP	DRAWING NO.	323
REVISIONS		
NO		

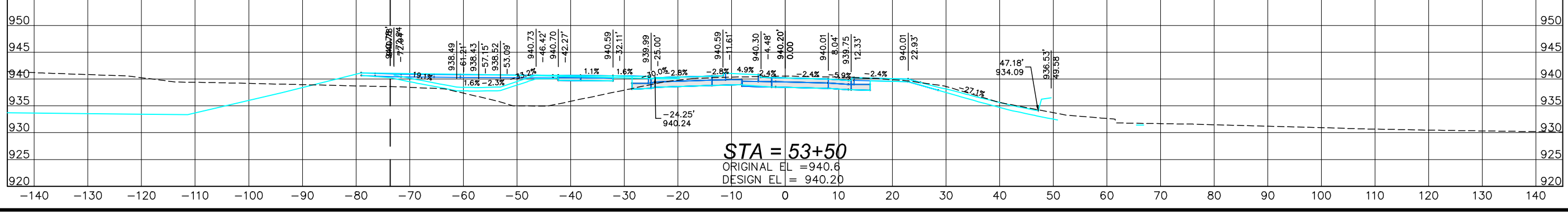
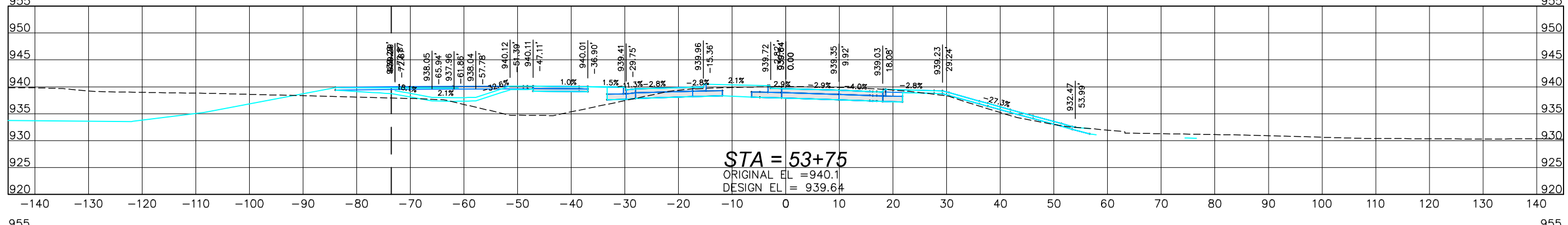
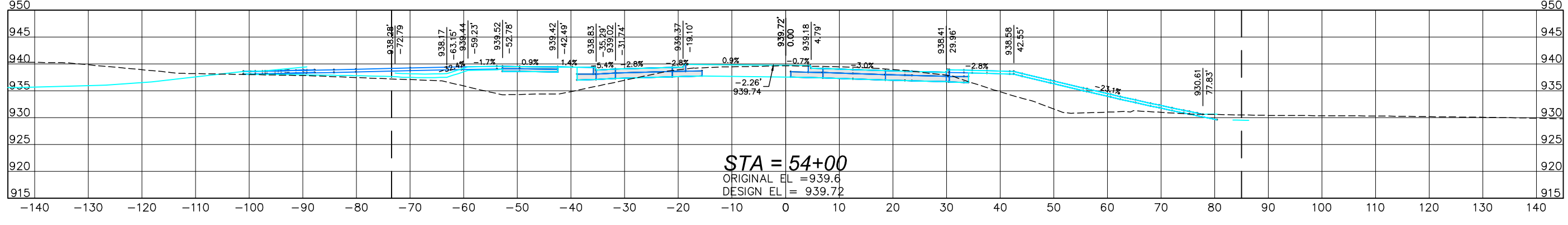
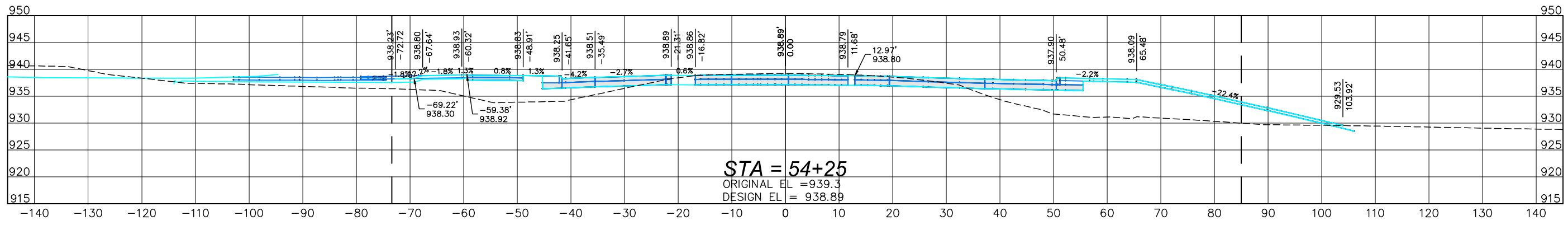
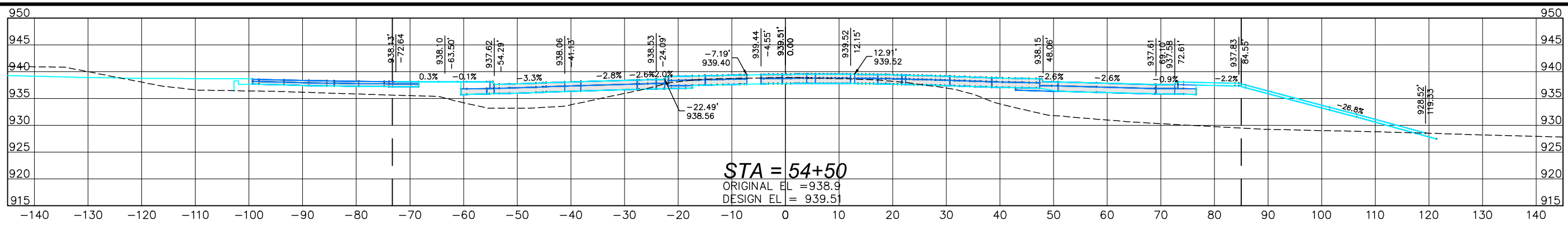
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	CHK
	DRN
	NO
	REVISIONS
DRN	Westley, Casey
DES	
CHK	Sweeney, Michelle
APP	
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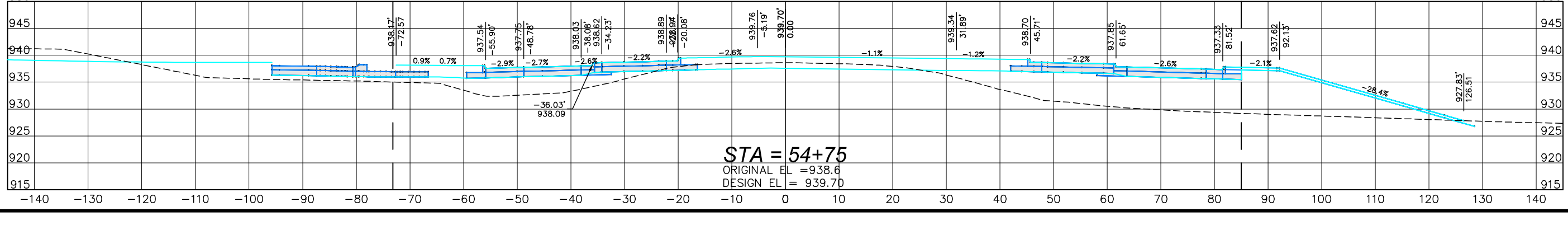
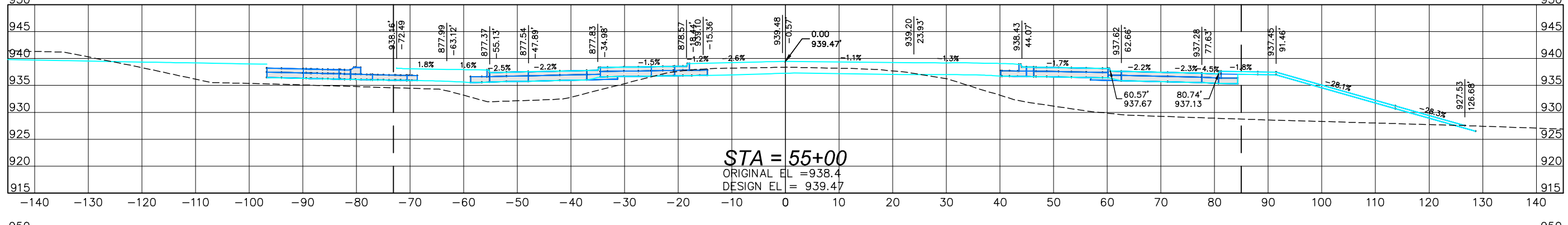
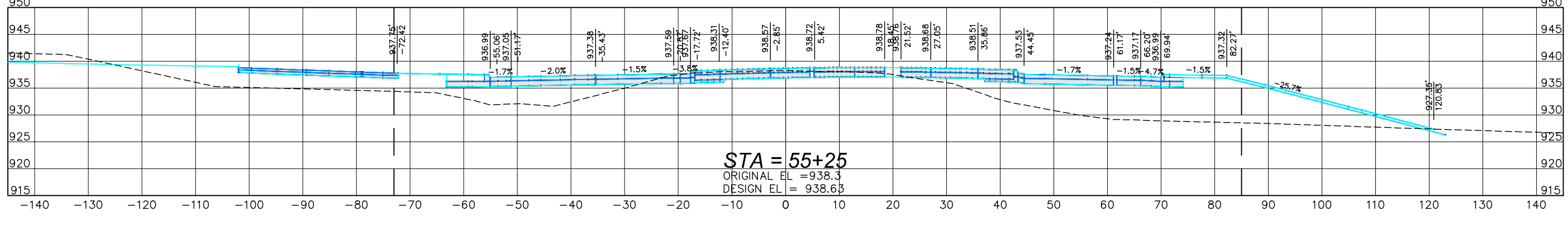
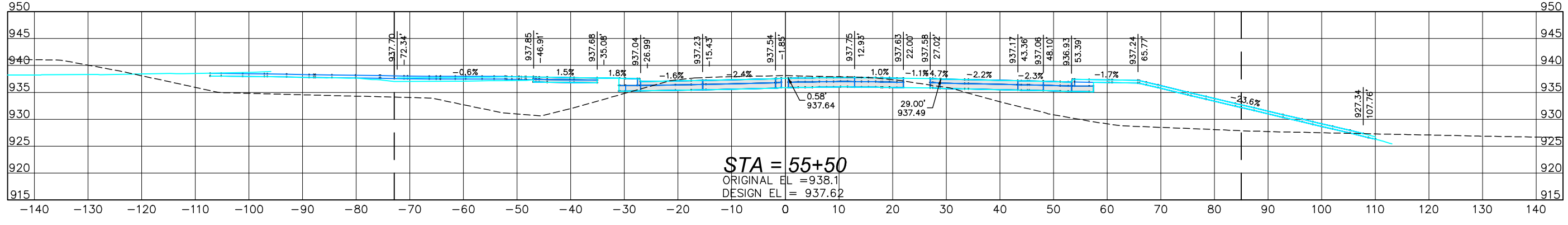
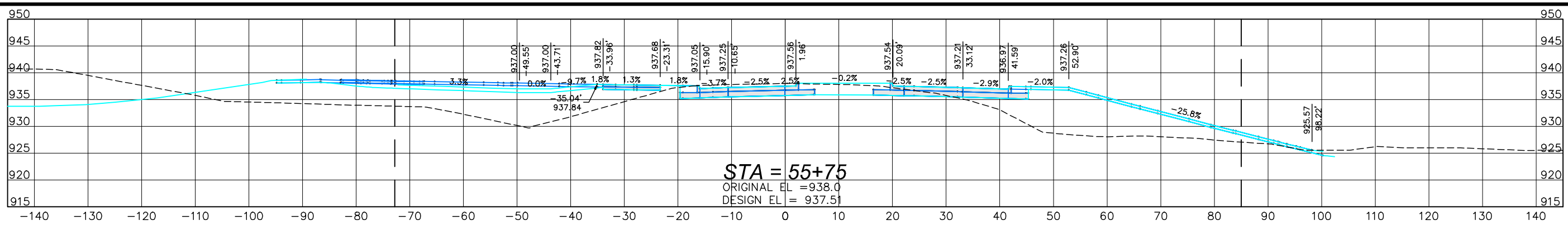


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DATE	3-25-2022
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MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	324

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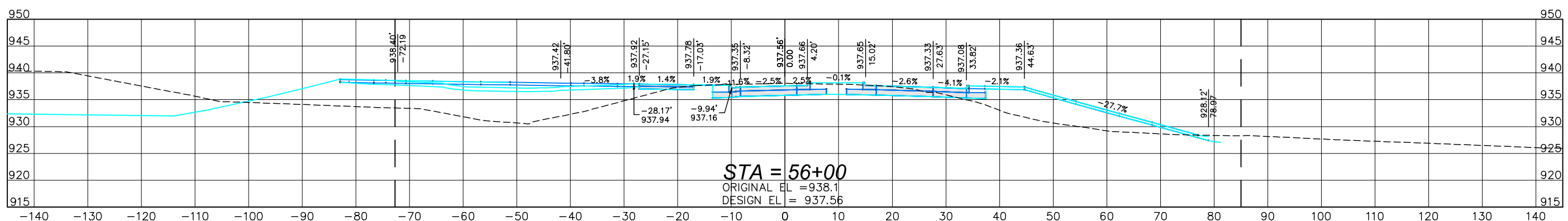
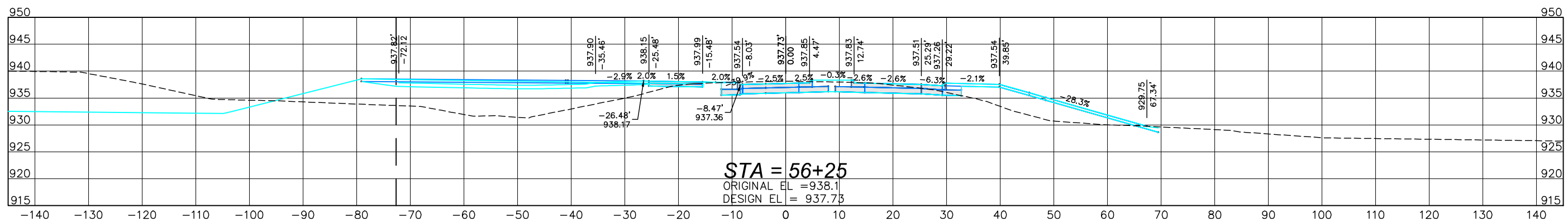
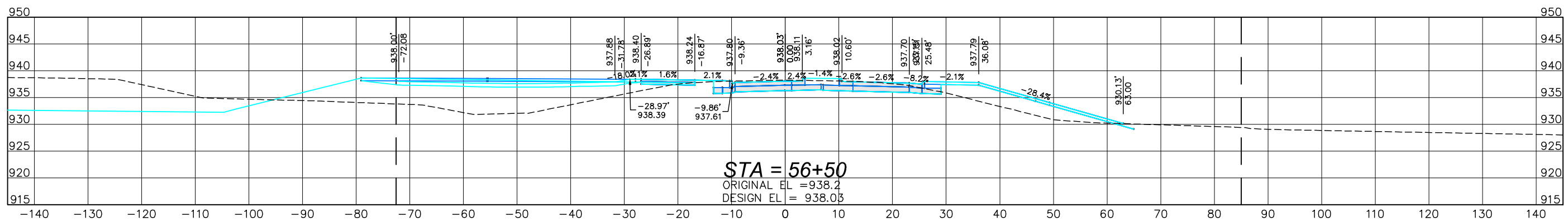
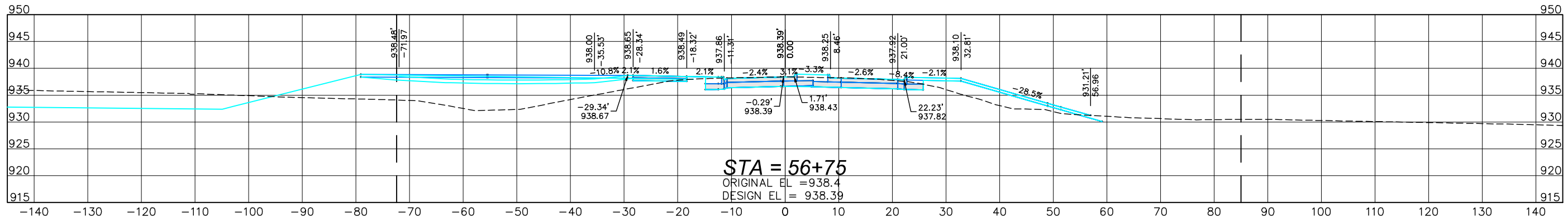
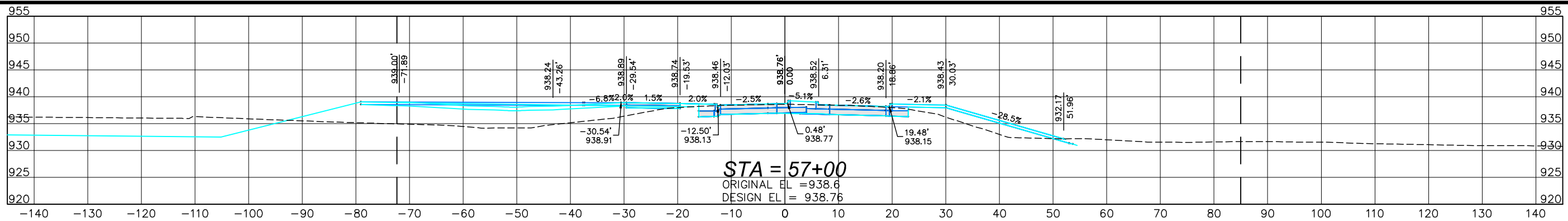
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DRN	CHK
DES	NO
CHK	REVISIONS
APP	
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DRAWING NO.	325



Item 17.

DRN CHK

NO

REVISIONS

NO

DRN Westley, Casey

DES

CHK Sweeney, Michelle

APP

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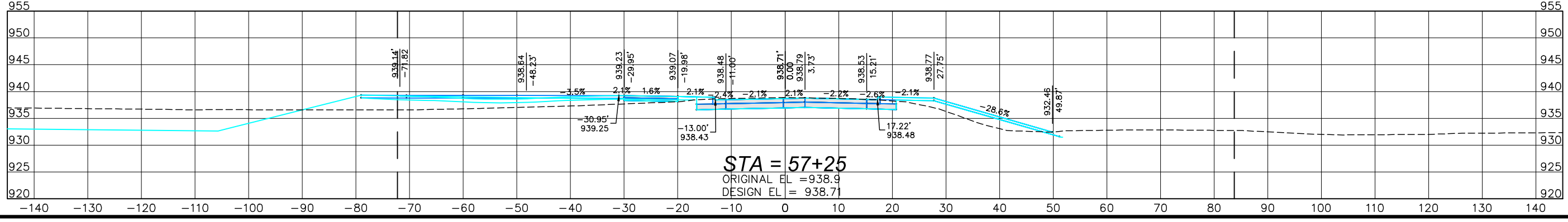
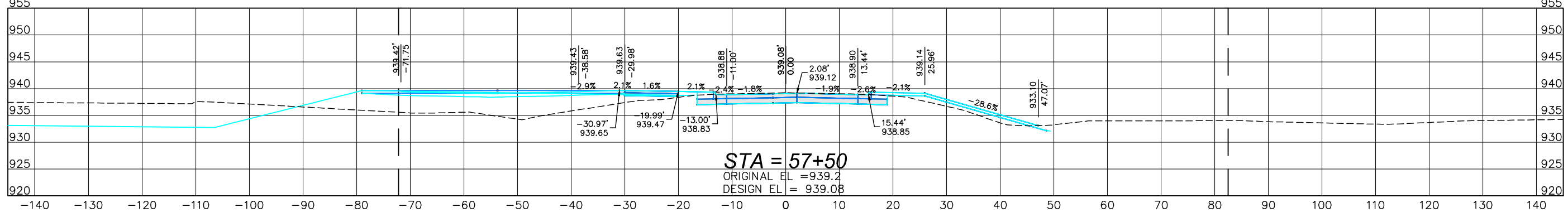
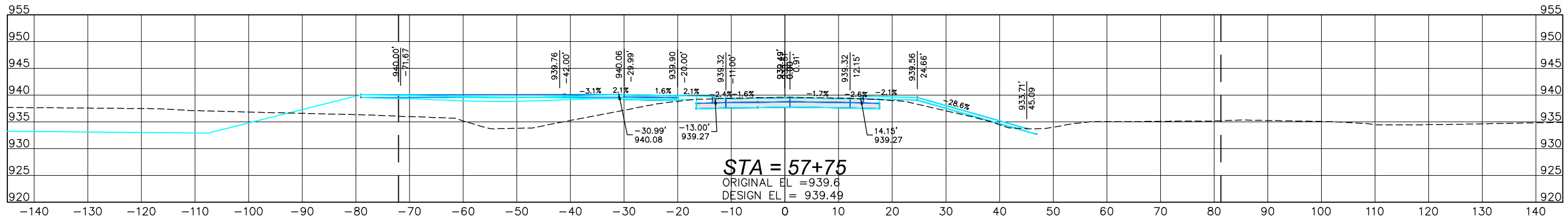
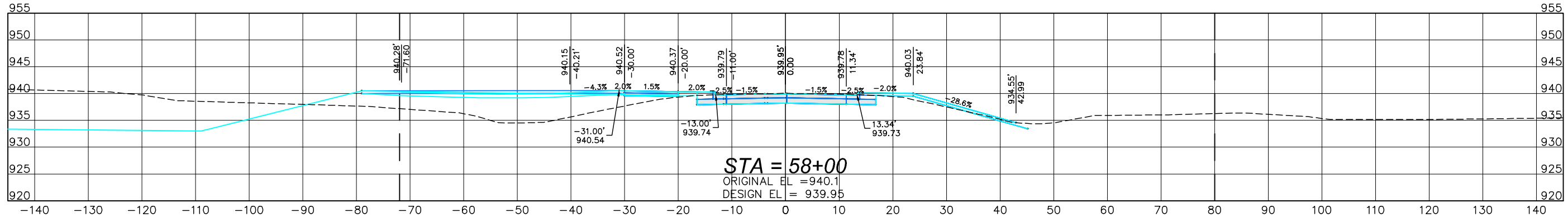
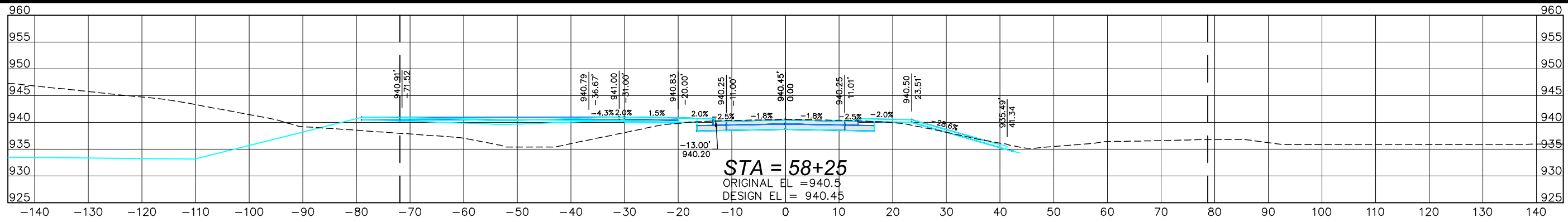


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Item 17.	DATE
DRN	Westley, Casey
DES	
CHK	Sweeney, Michelle
APP	
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NO	REVISIONS
	DRN
	CHK



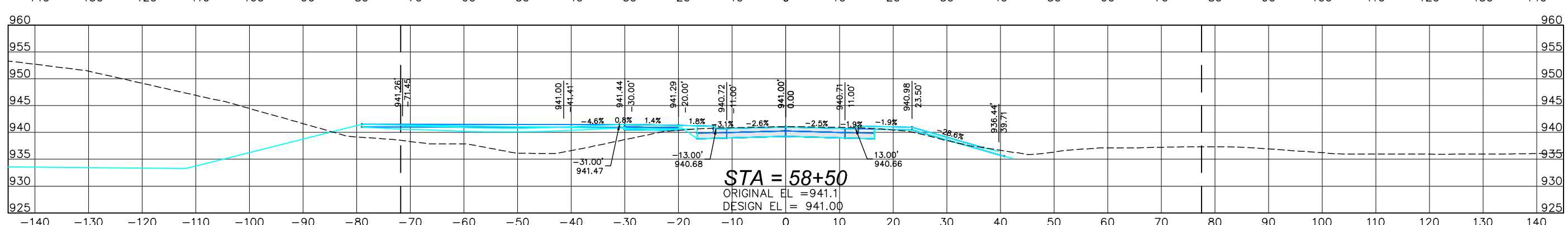
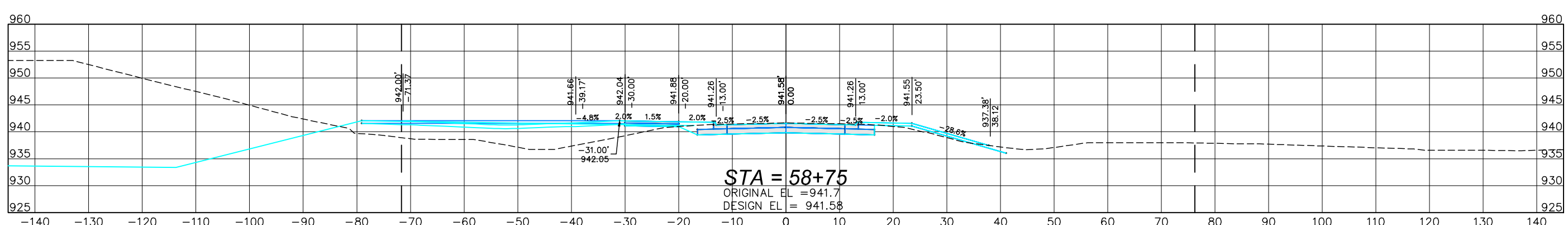
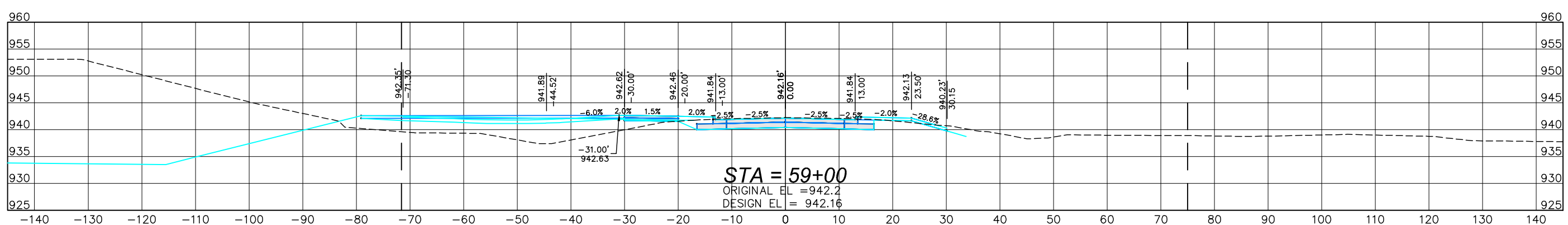
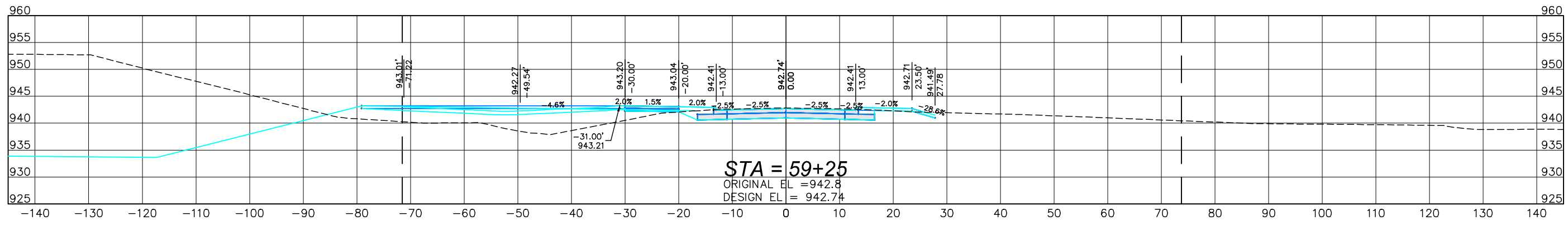
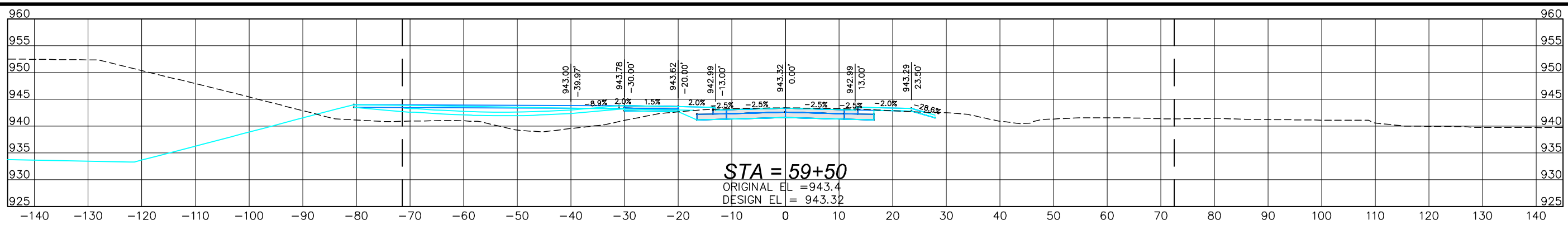
WEST 27th STREET RECON  
 RC-000-3240  
 CROSS SECTIONS

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	327



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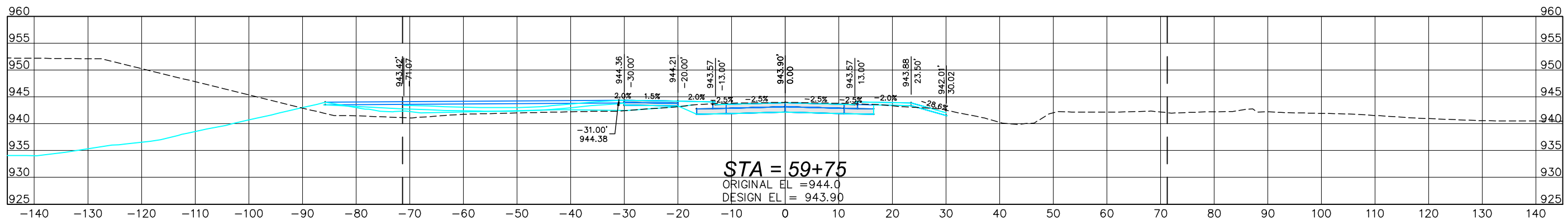
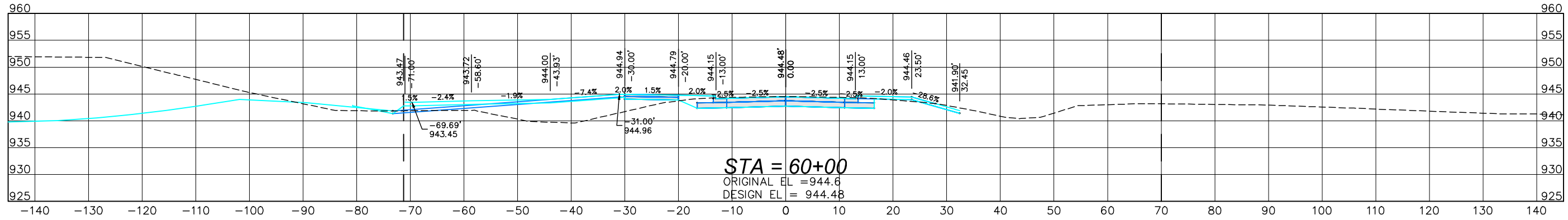
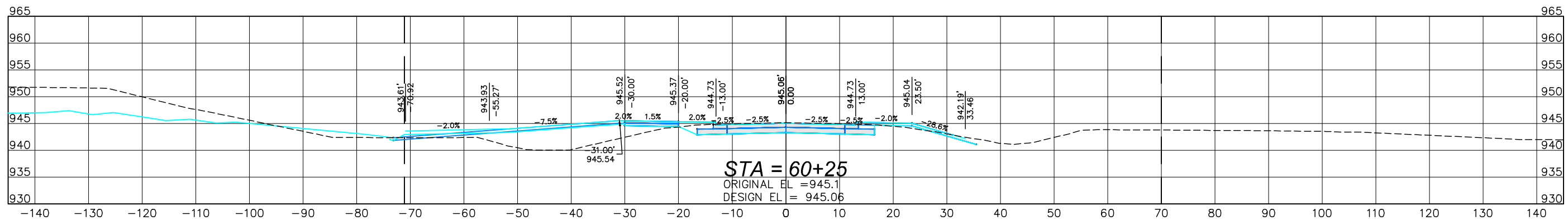
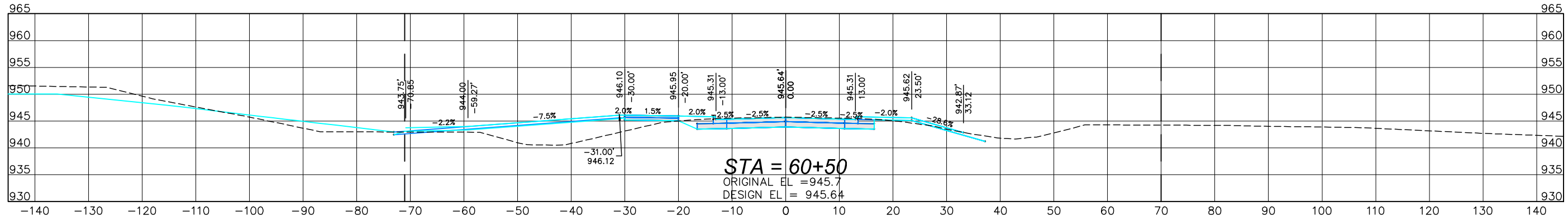
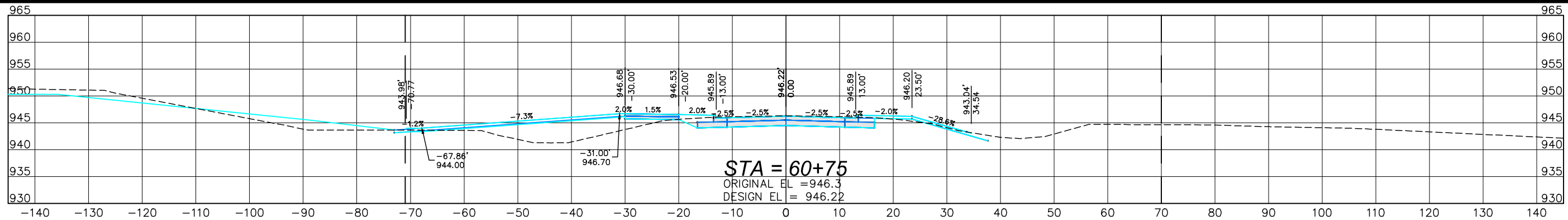
Item 17.		DRN	CHK	NO
		DES	APP	
		CHK	APP	
		APP		
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WEST 27th STREET RECON  
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 MILESTONE: FINAL PLANS  
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 DRAWING NO.: 328



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	DRN
	CHK
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	REVISIONS
DRN	Westley, Casey
DES	
CHK	Sweeney, Michelle
APP	
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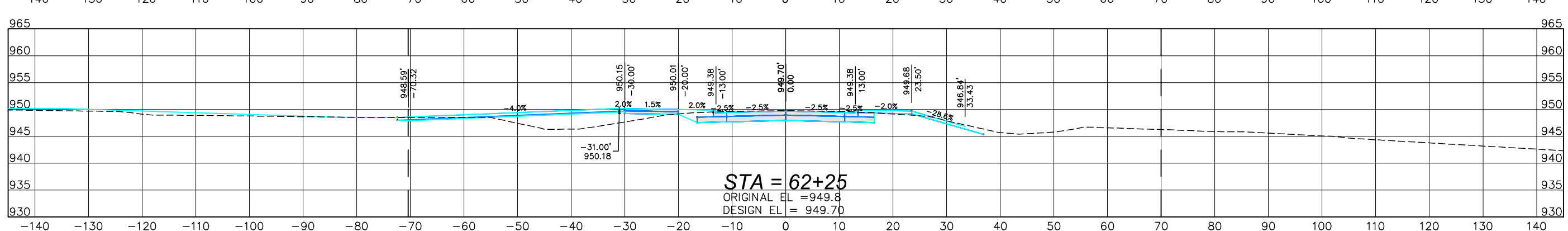
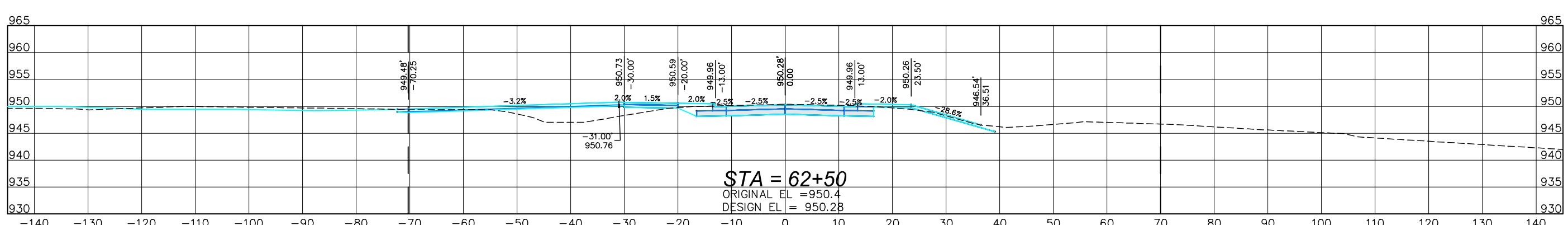
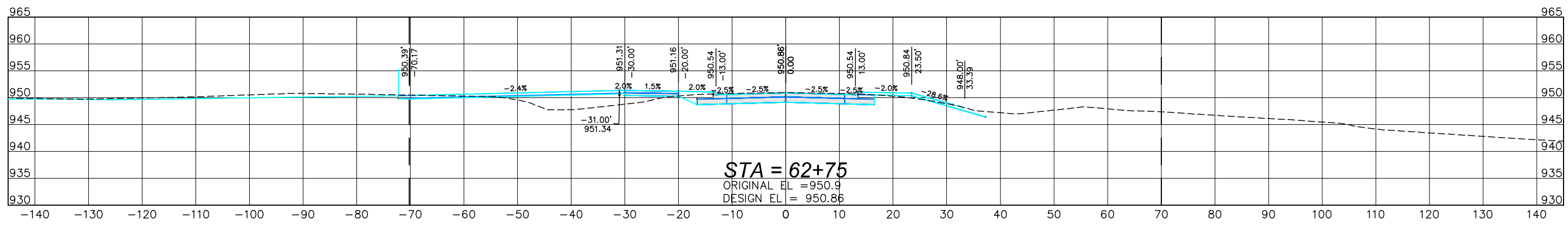
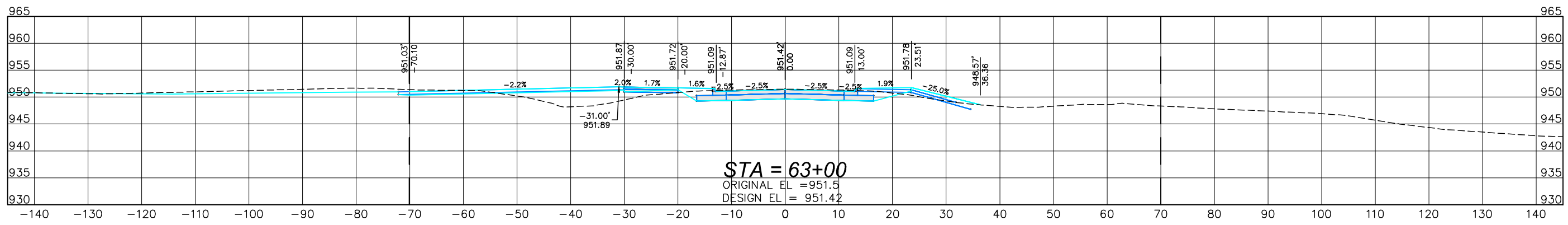
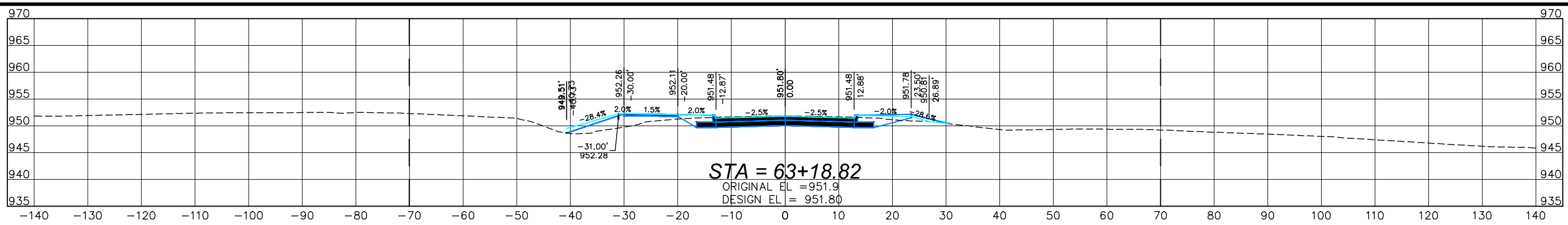
WEST 27th STREET RECON  
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	CHK
	NO
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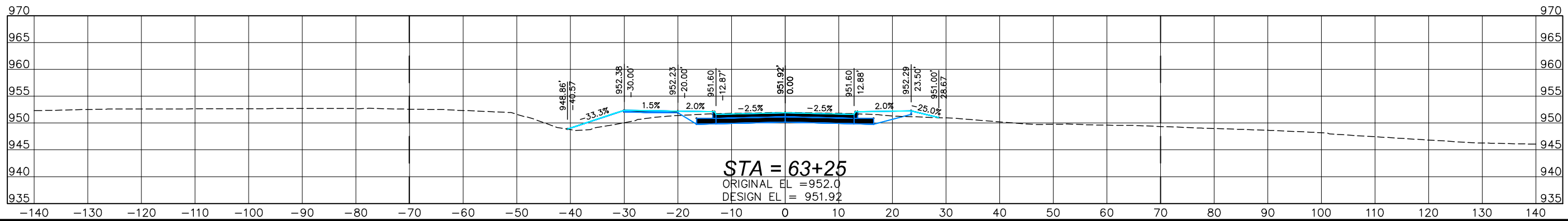
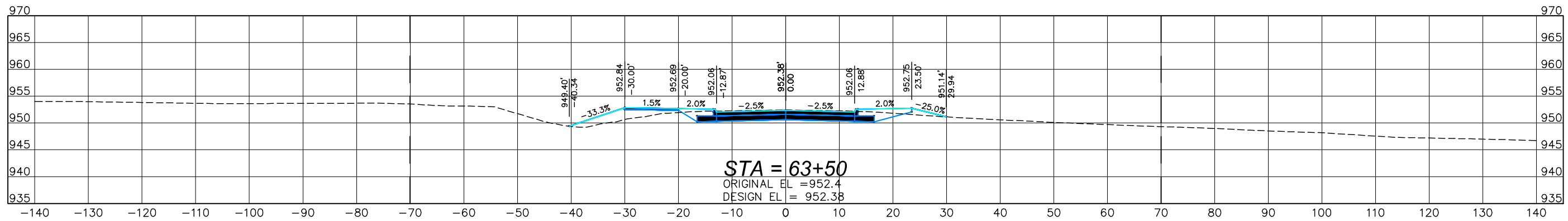
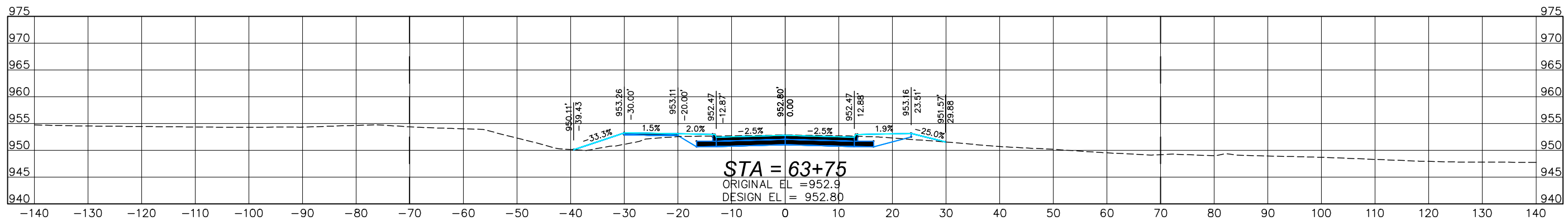
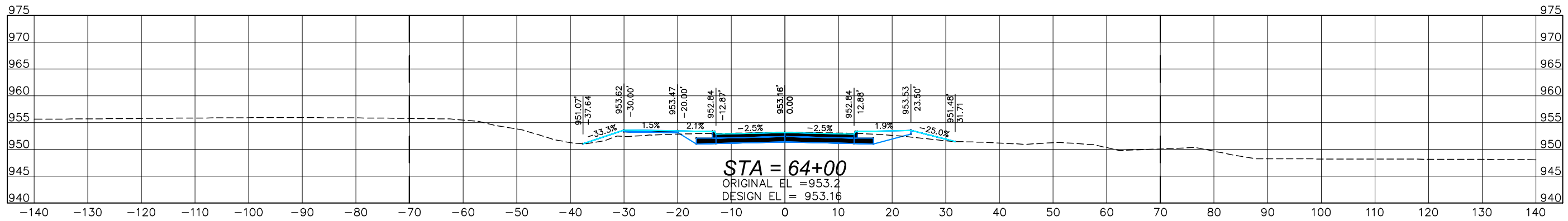
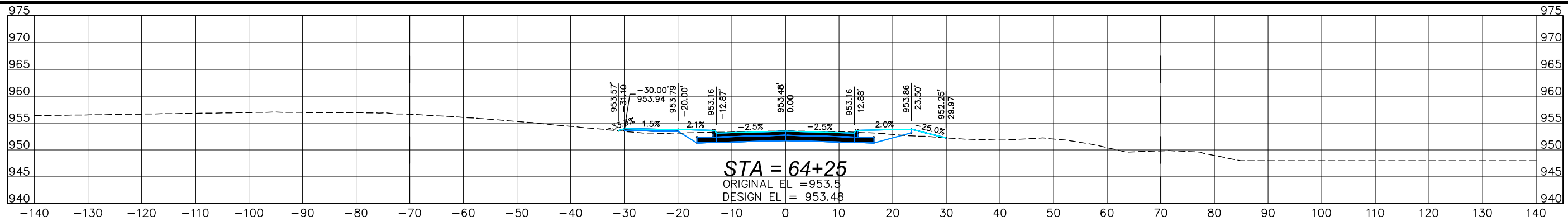
DRN	Westley, Casey
DES	
CHK	Sweeney, Michelle
APP	
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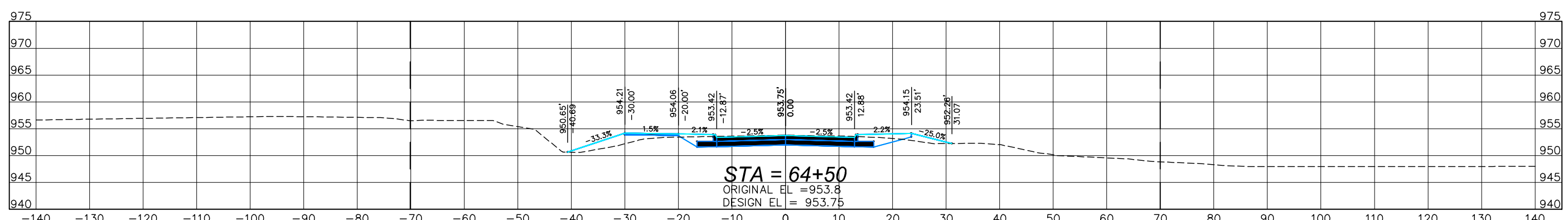
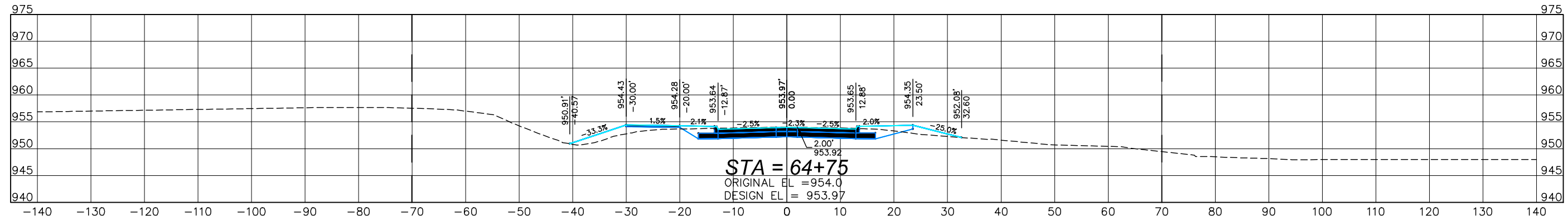
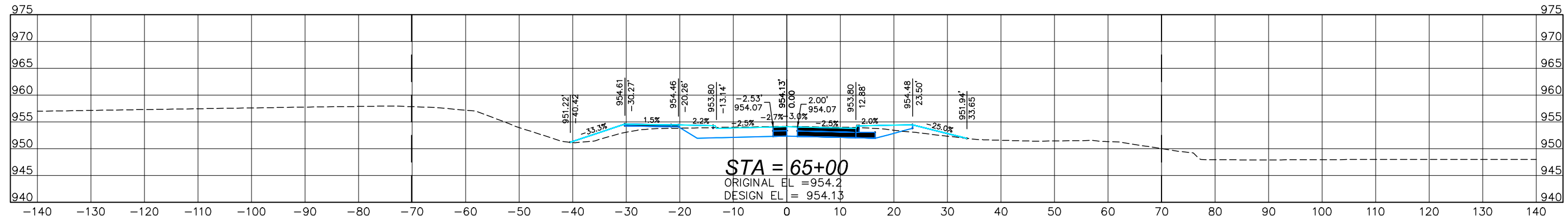
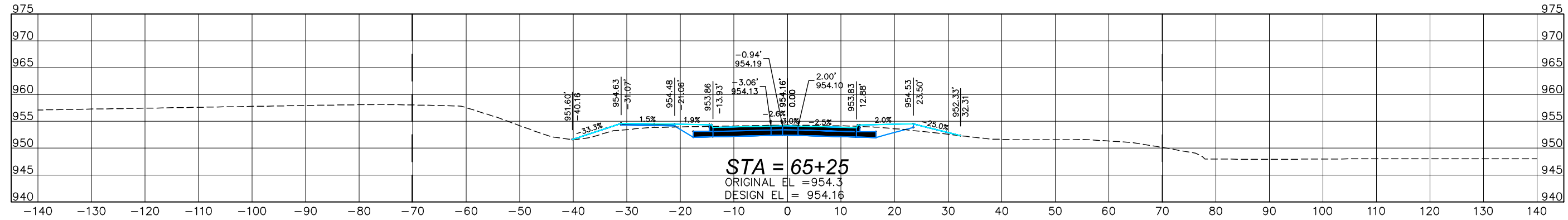
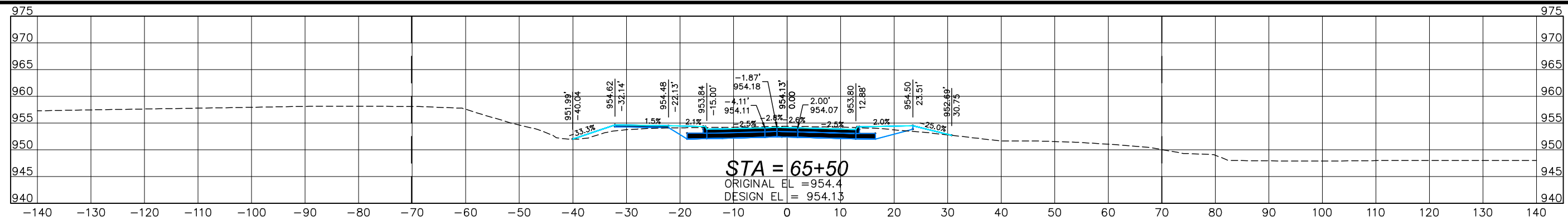
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DRN	Westley, Casey
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CHK	Sweeney, Michelle
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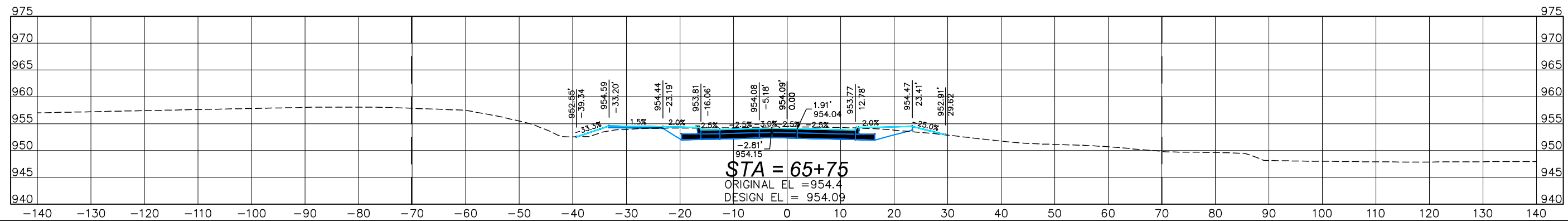
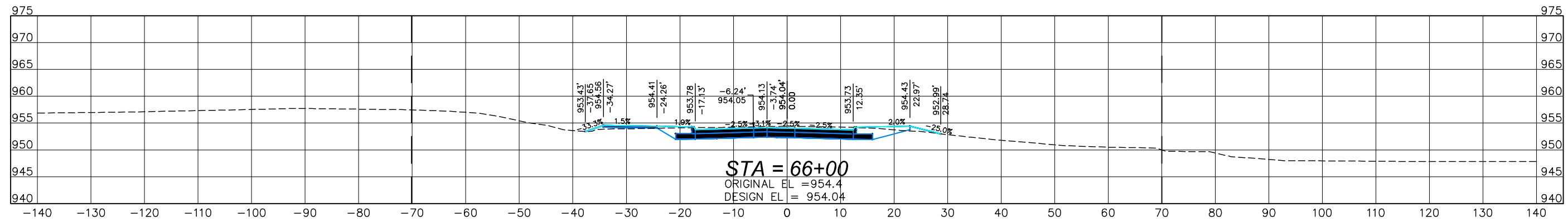
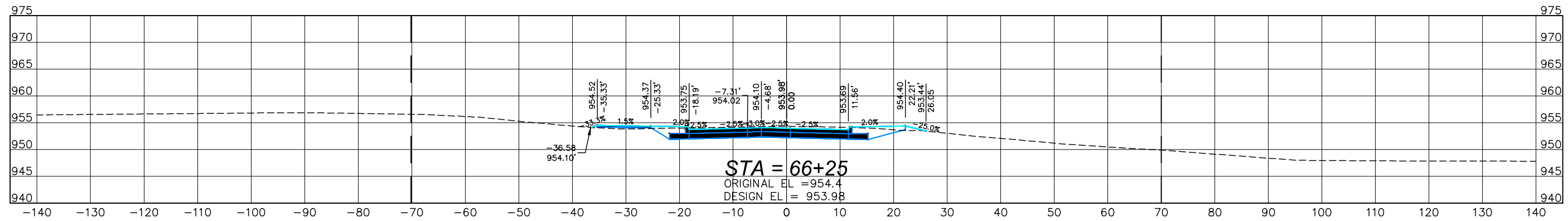
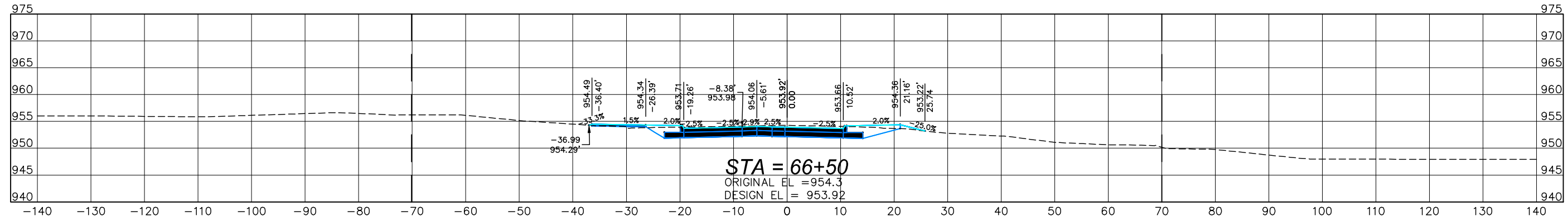
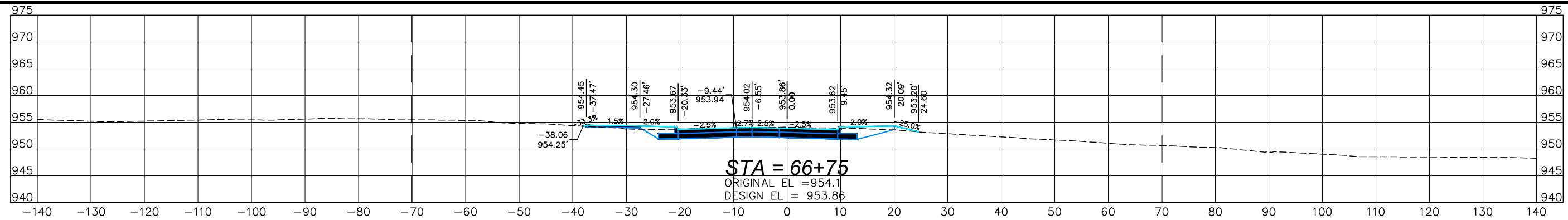


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DRN	Westley, Casey
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CHK	Sweeney, Michelle
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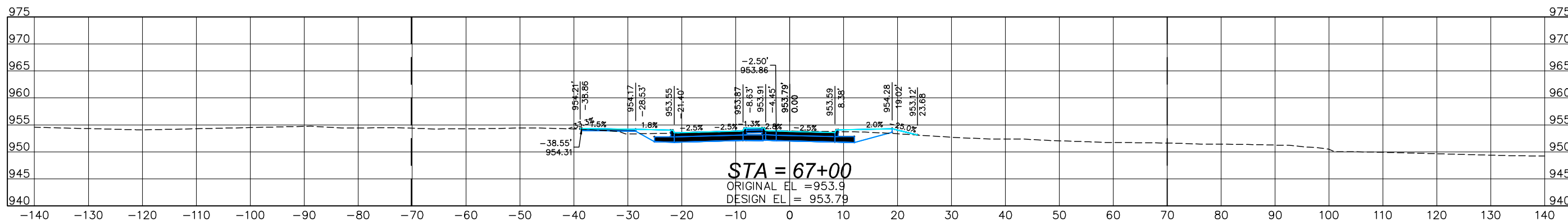
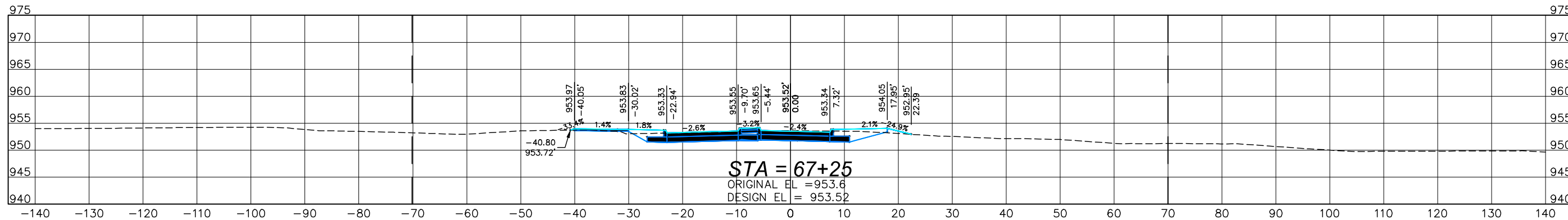
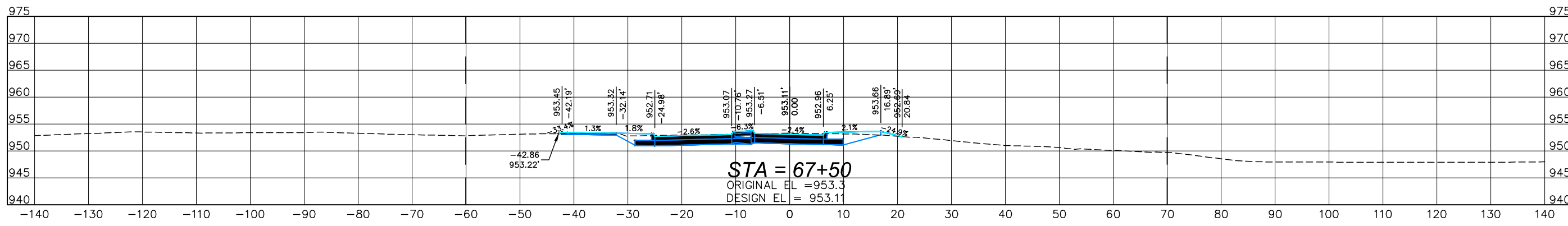
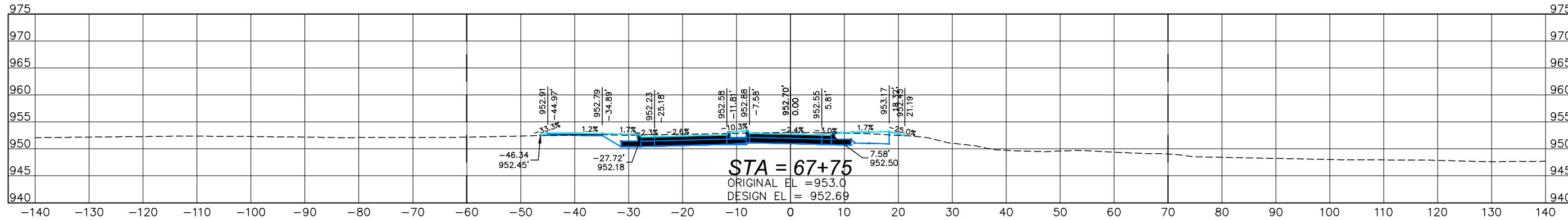
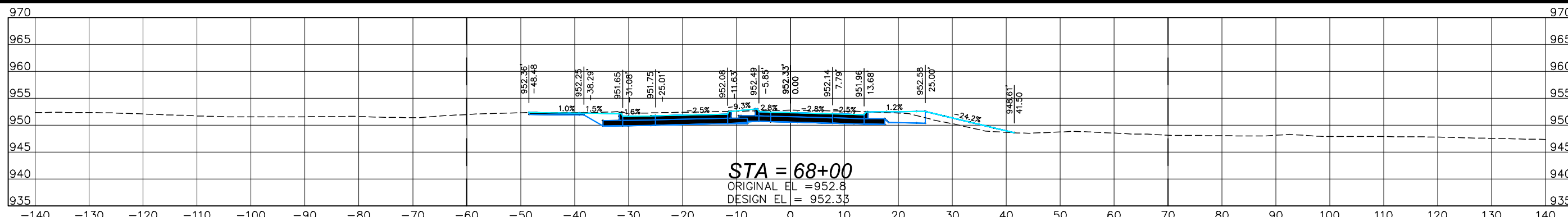
DRN	Westley, Casey
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CHK	Sweeney, Michelle
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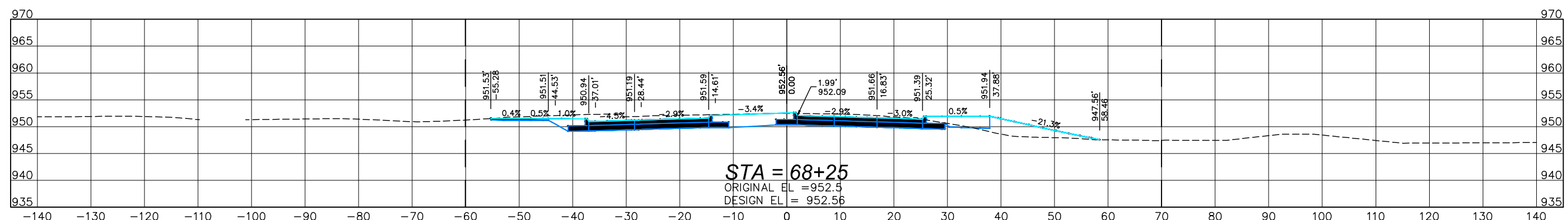
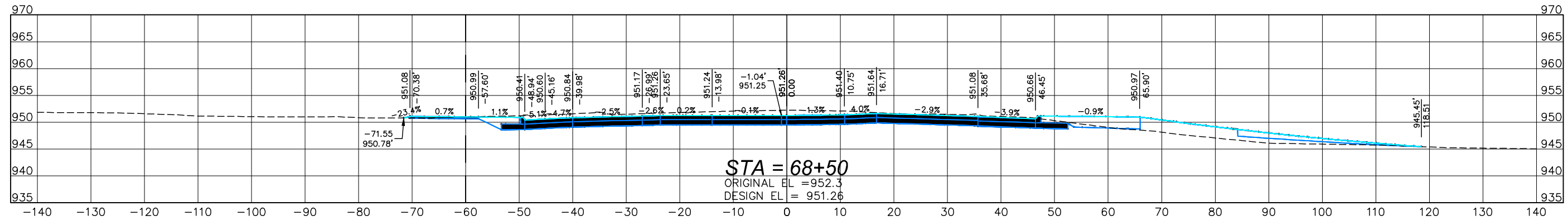
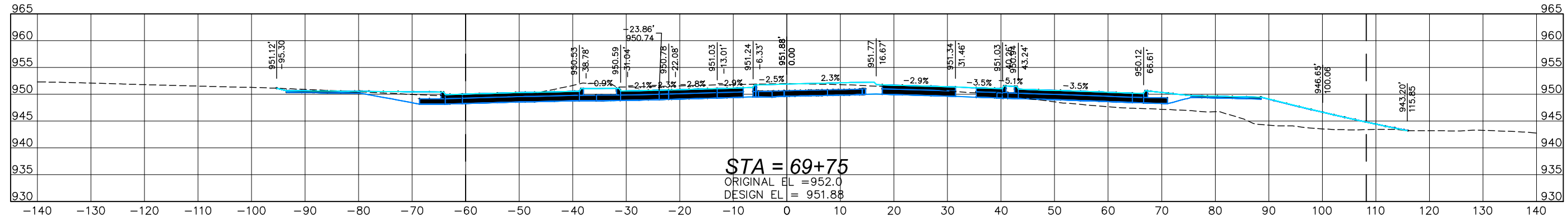
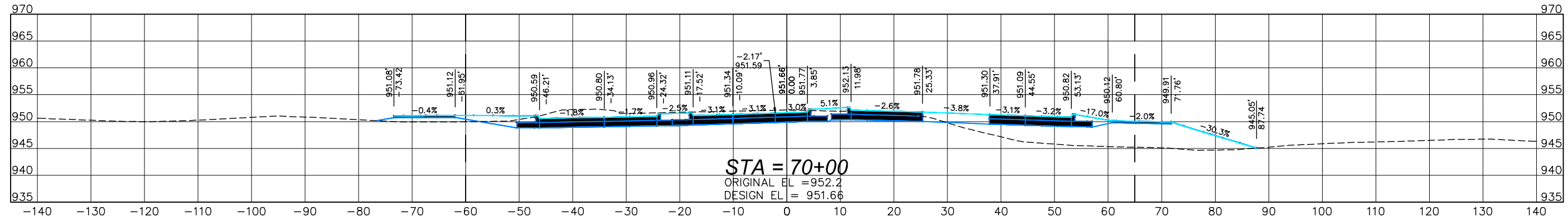
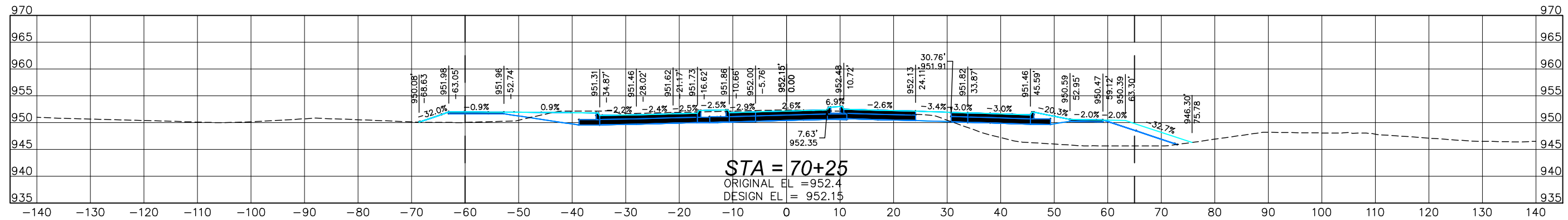
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CHK	Sweeney, Michelle	
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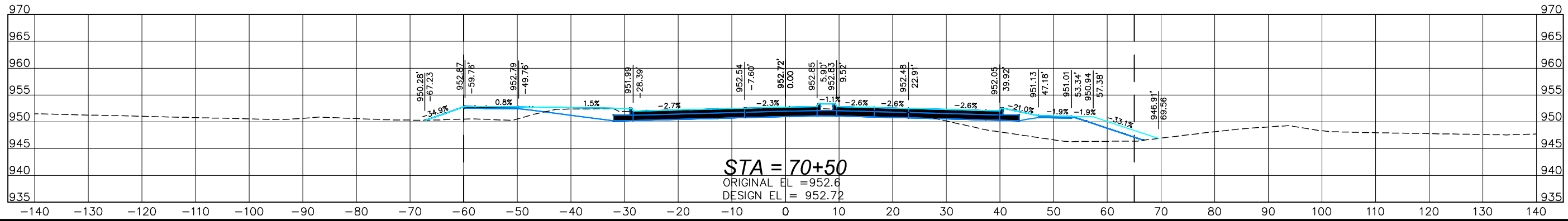
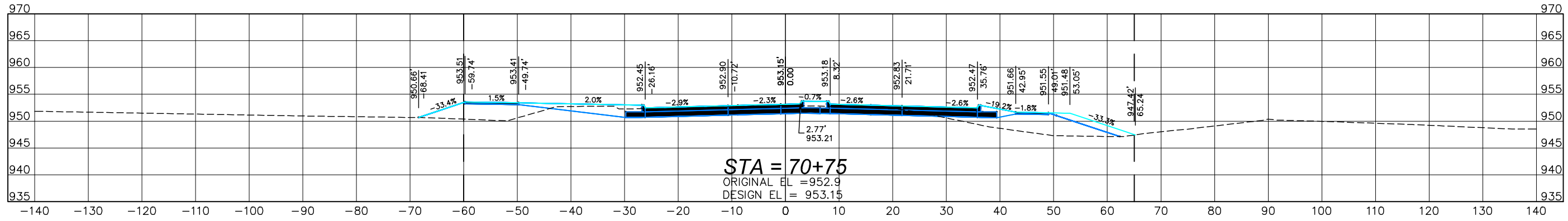
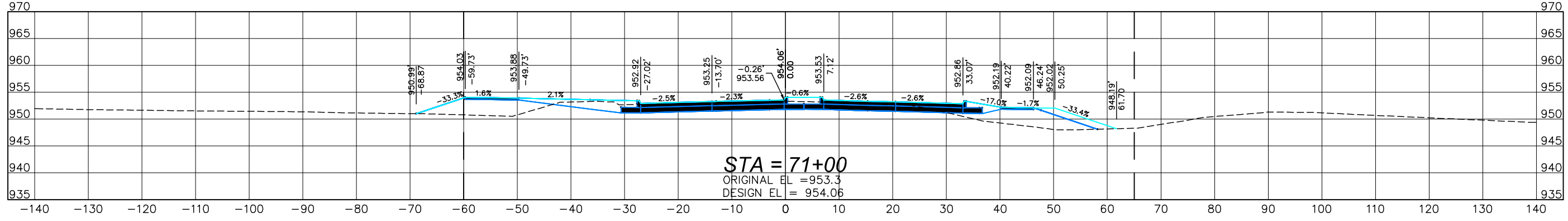
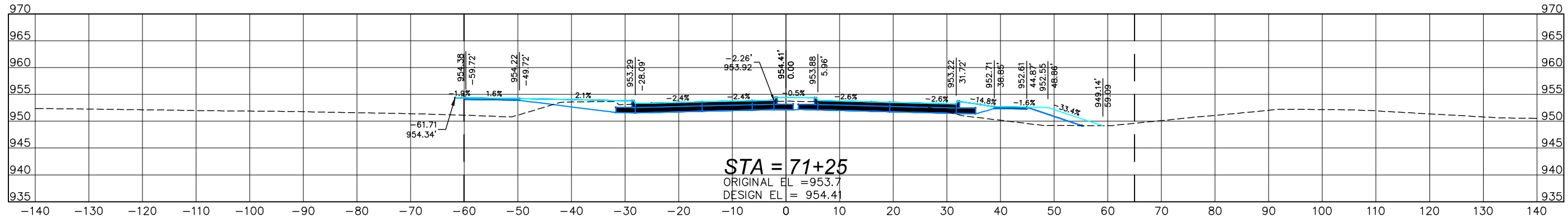
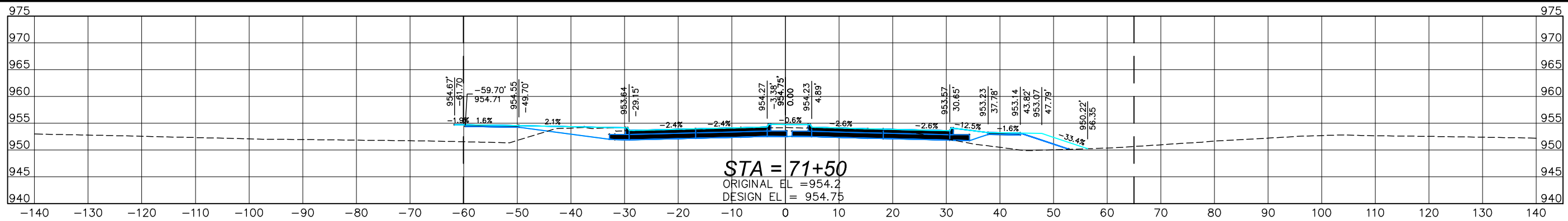
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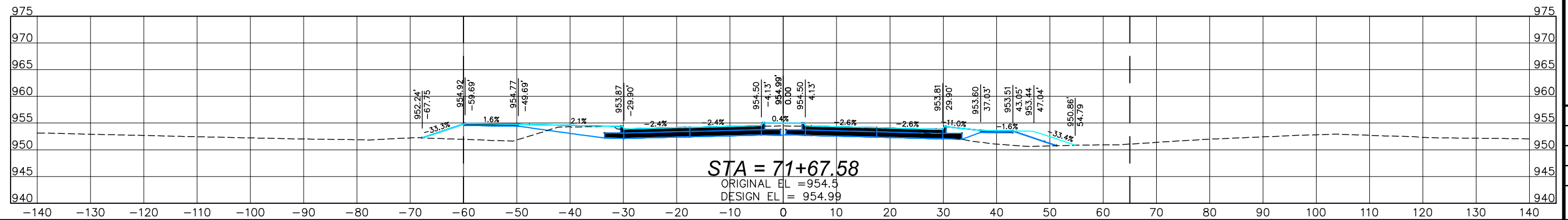
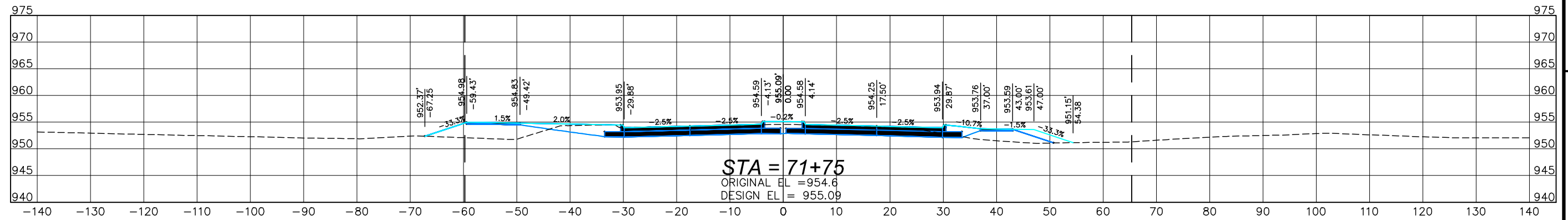
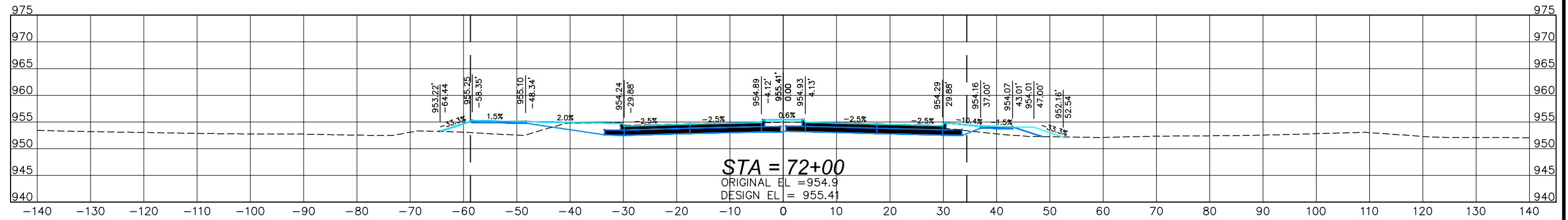
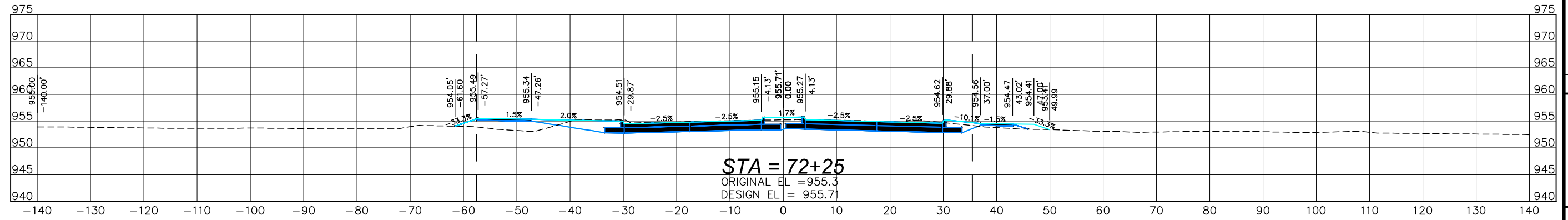
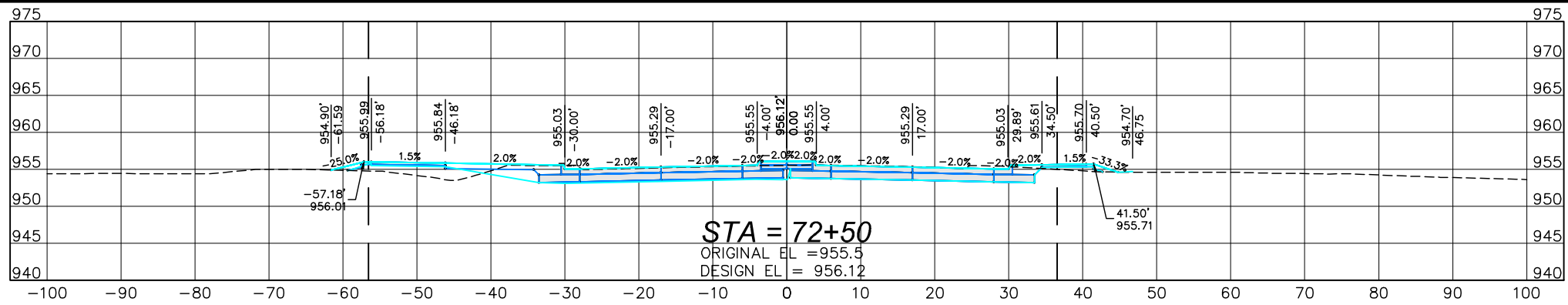


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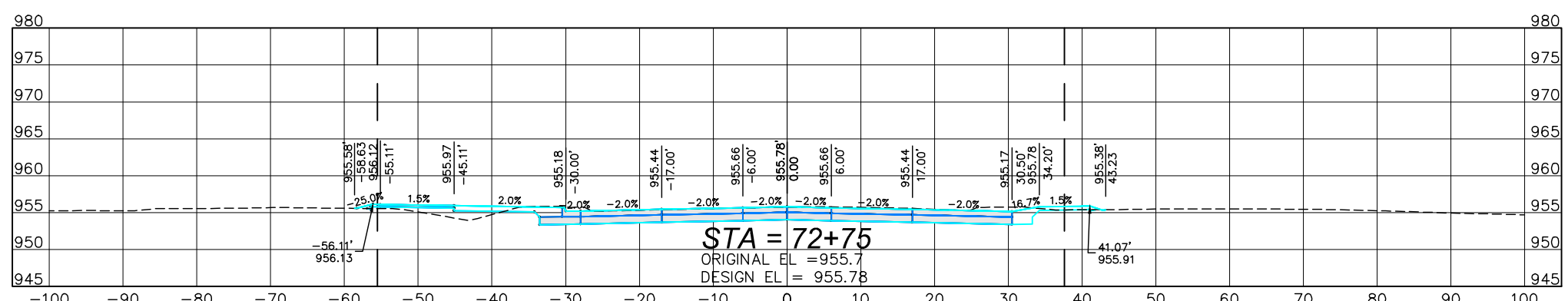
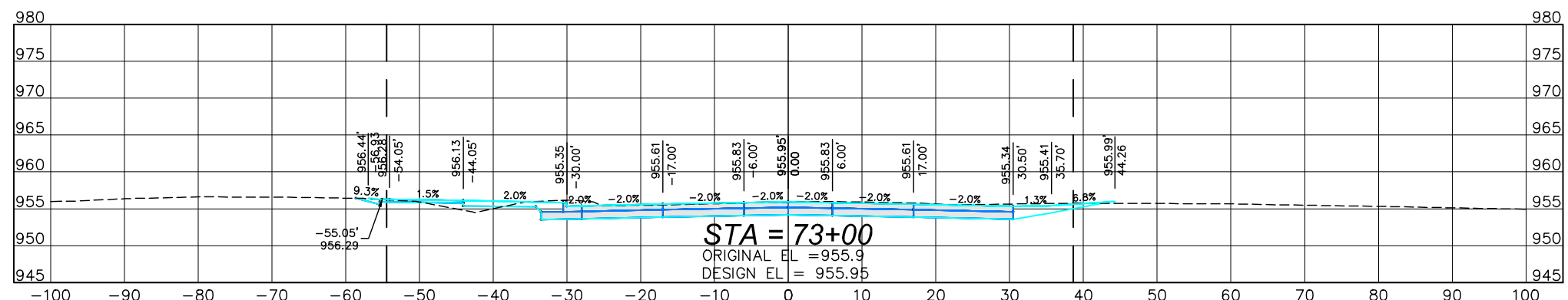
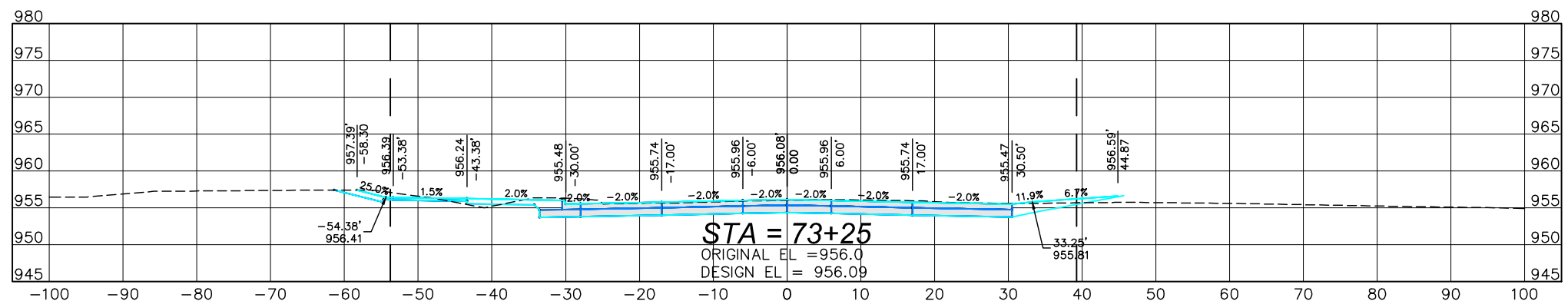
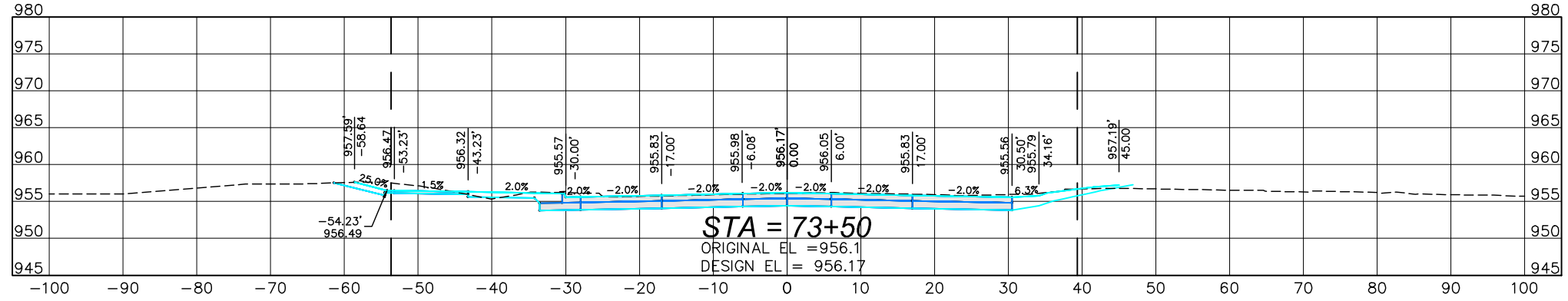
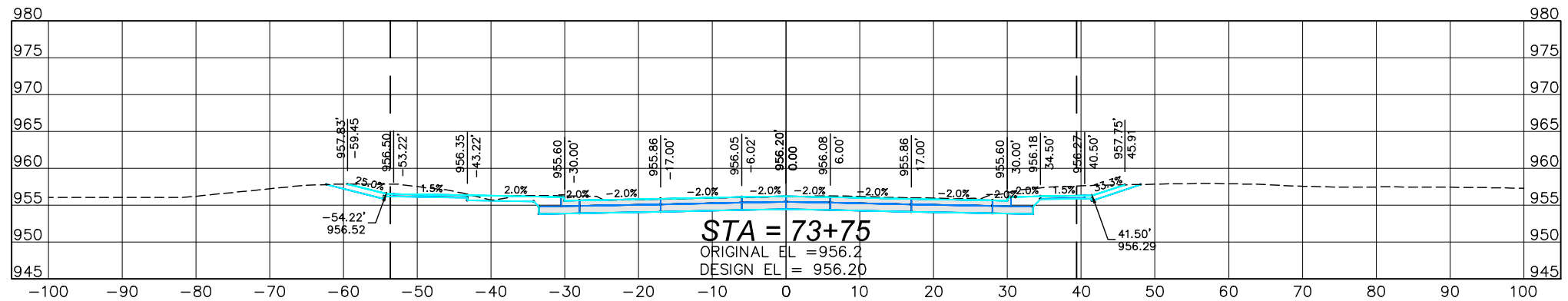
DRN	Westley, Casey
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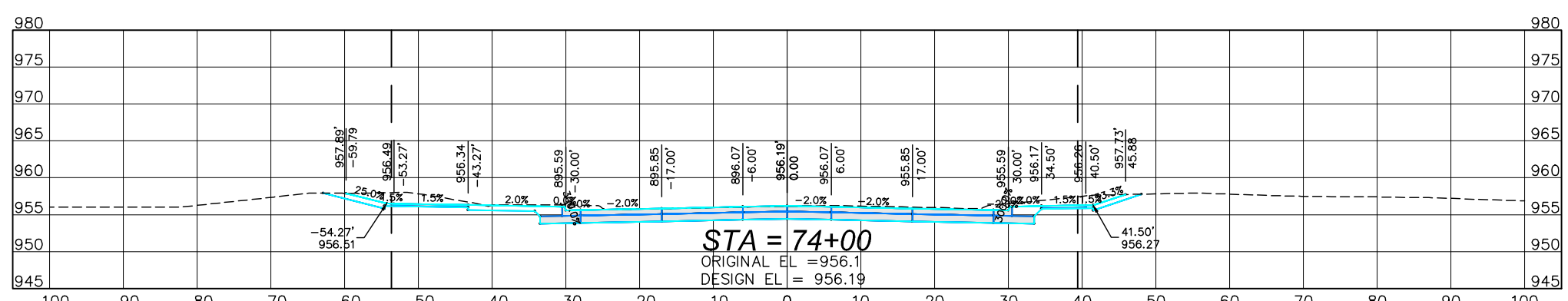
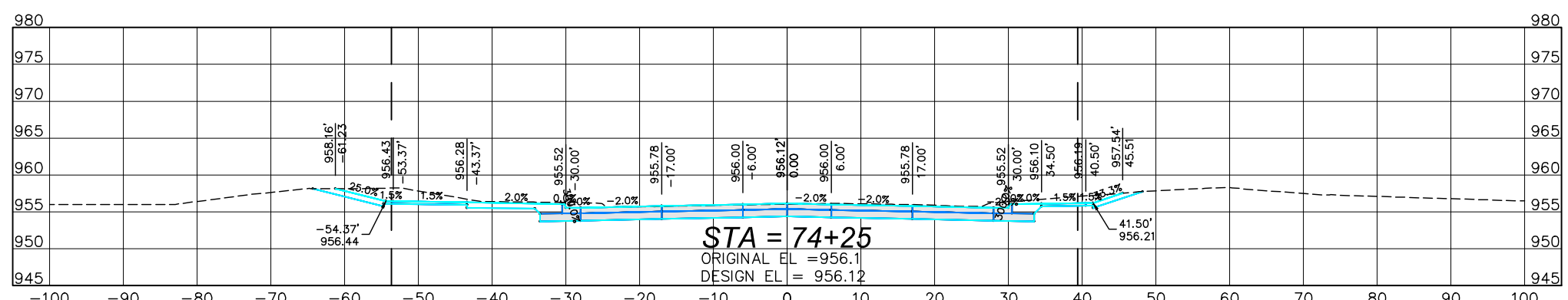
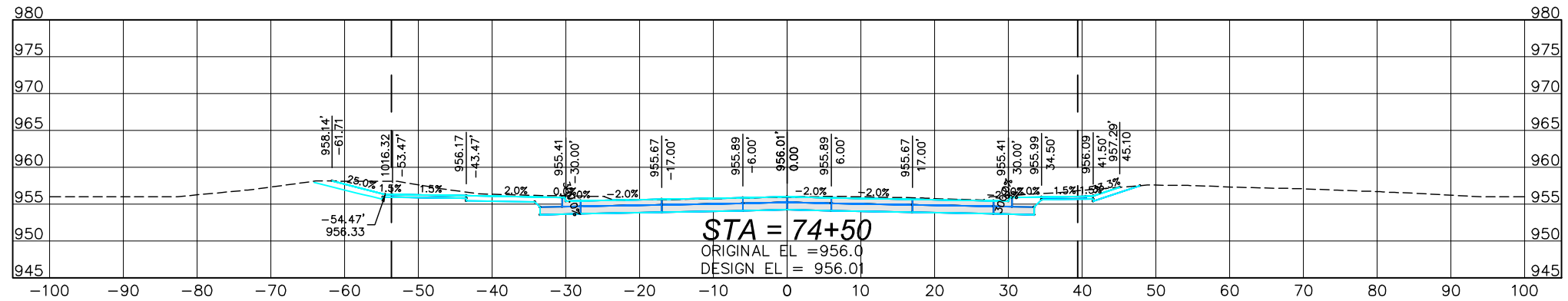
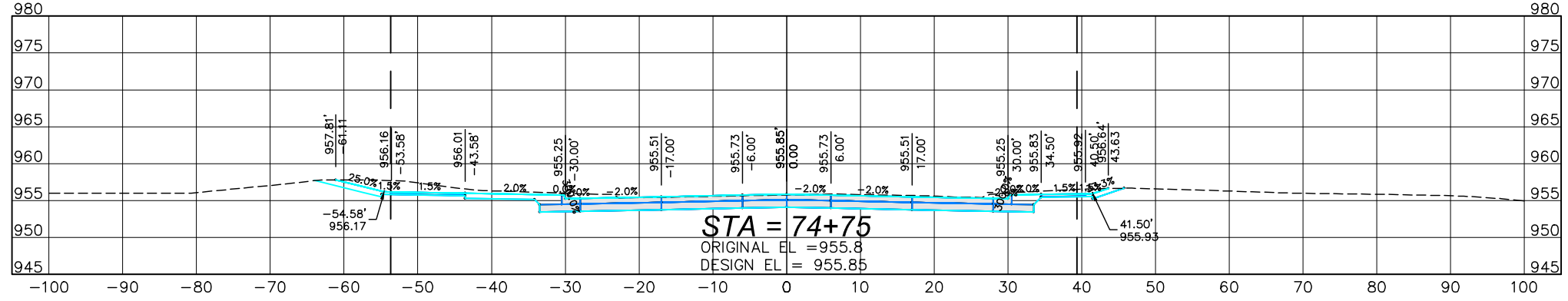
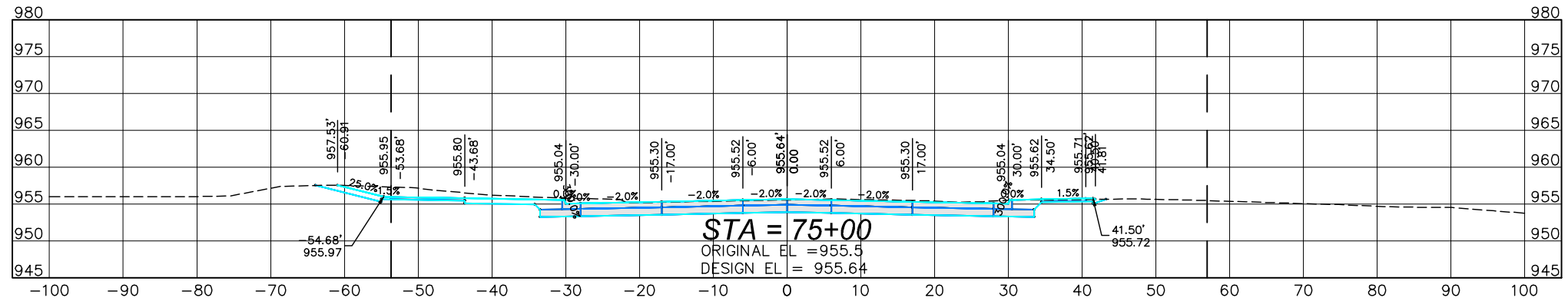


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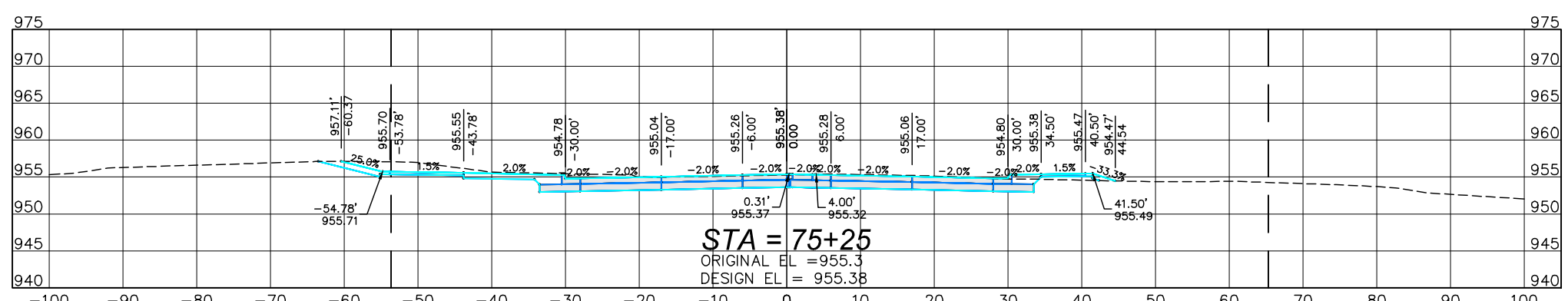
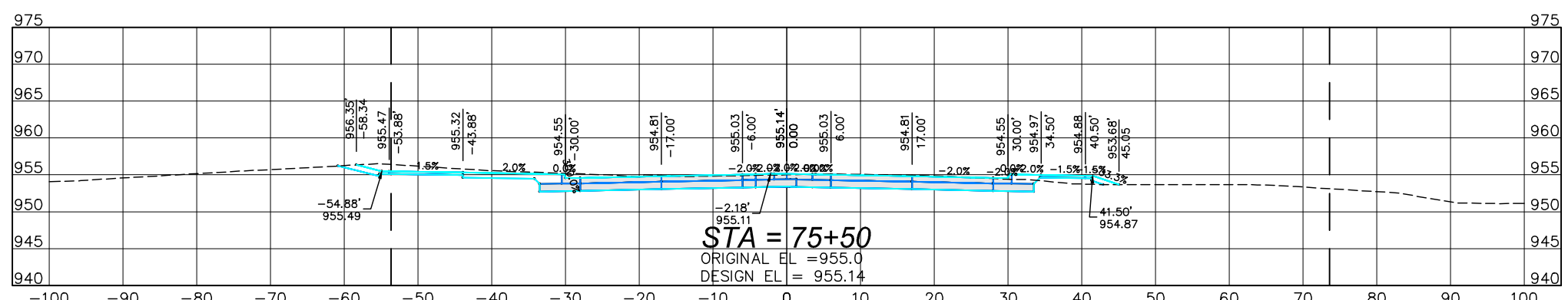
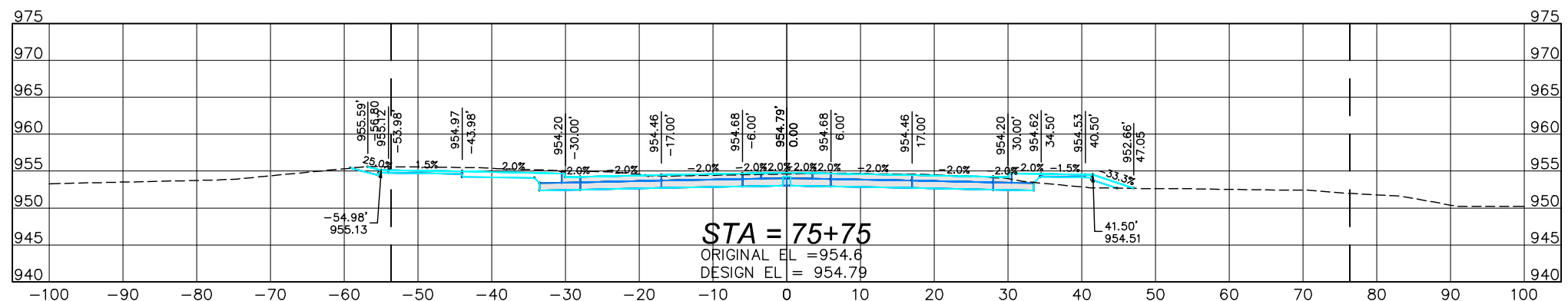
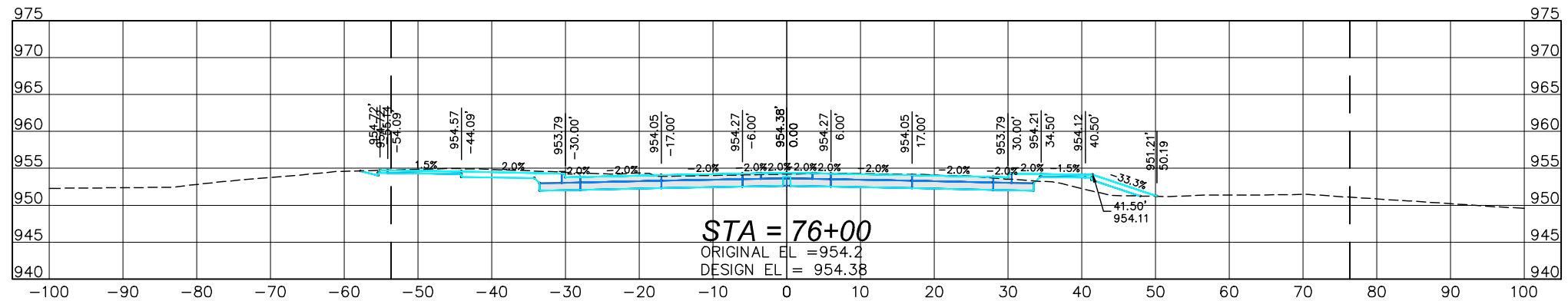
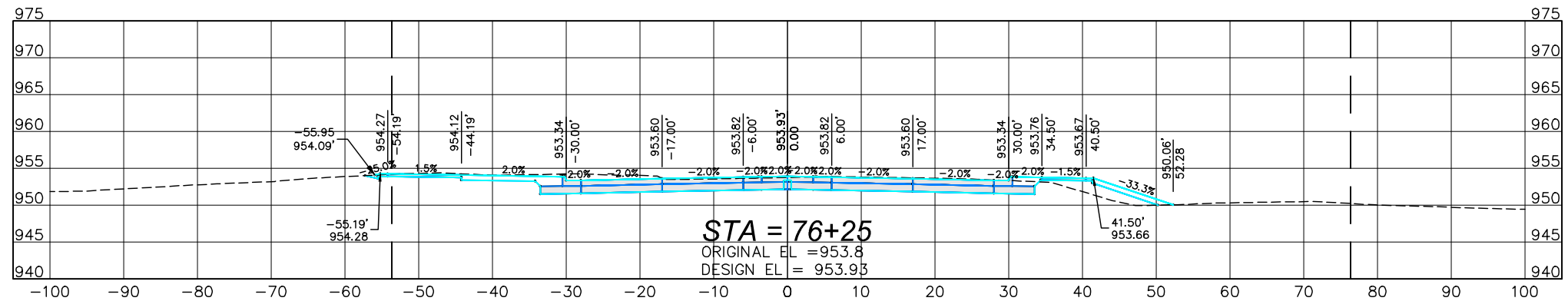


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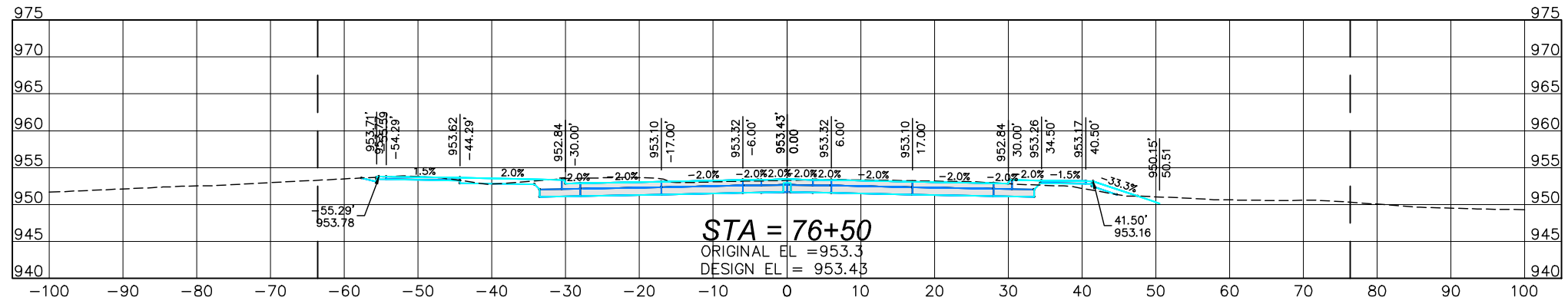
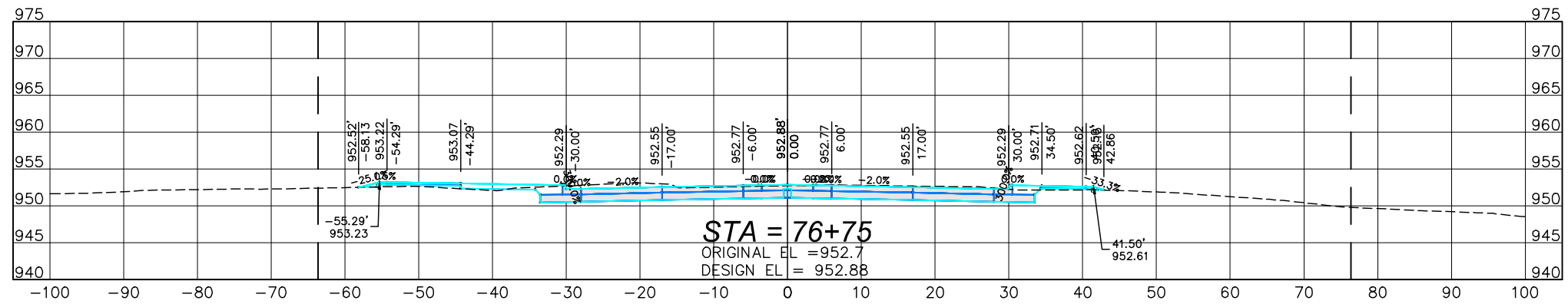
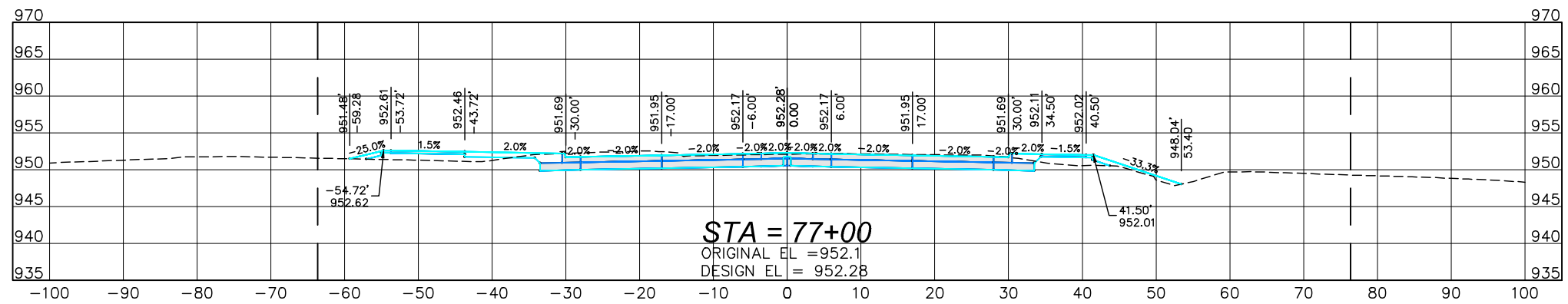
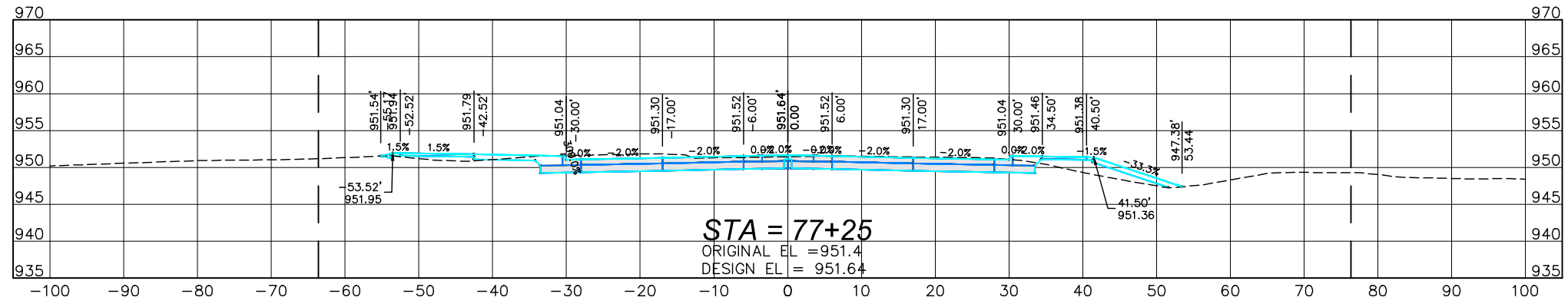
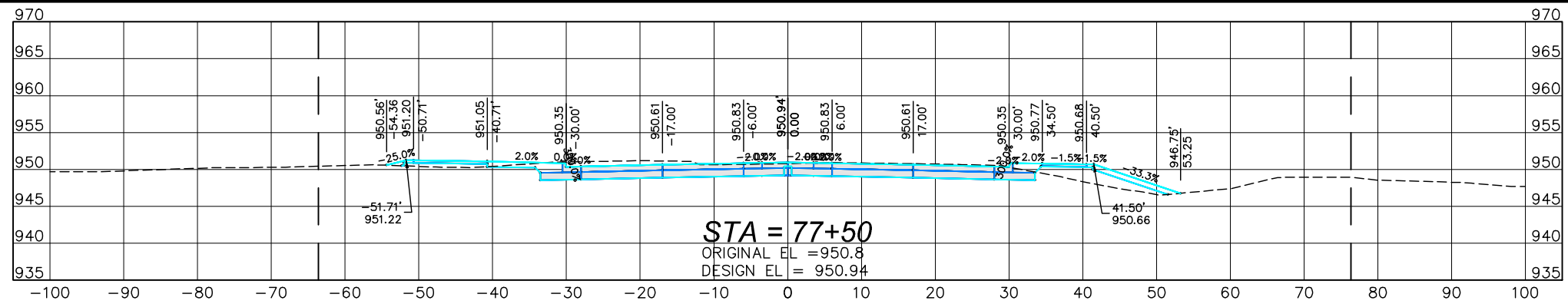
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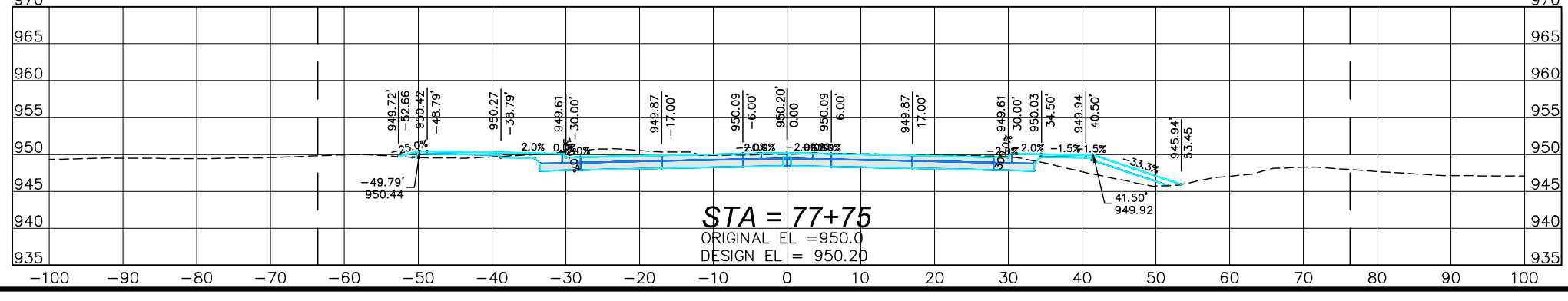
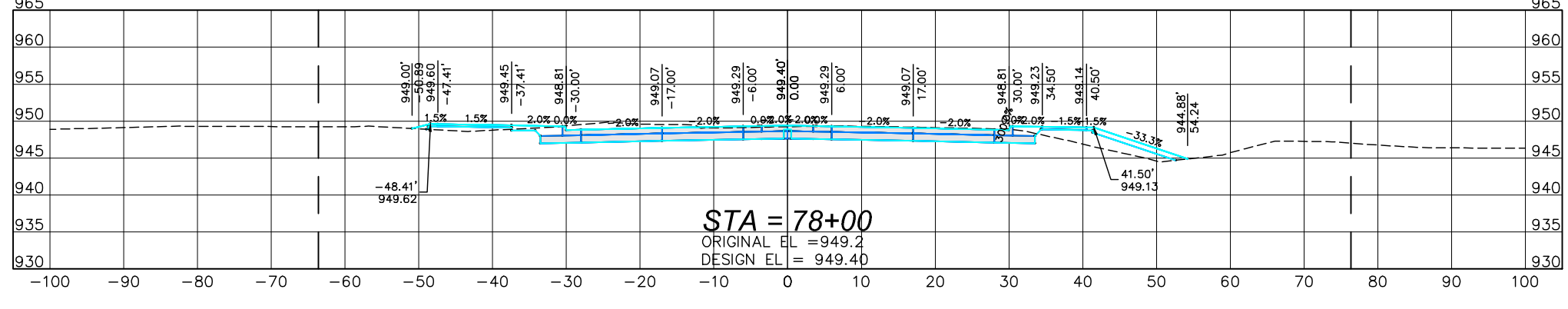
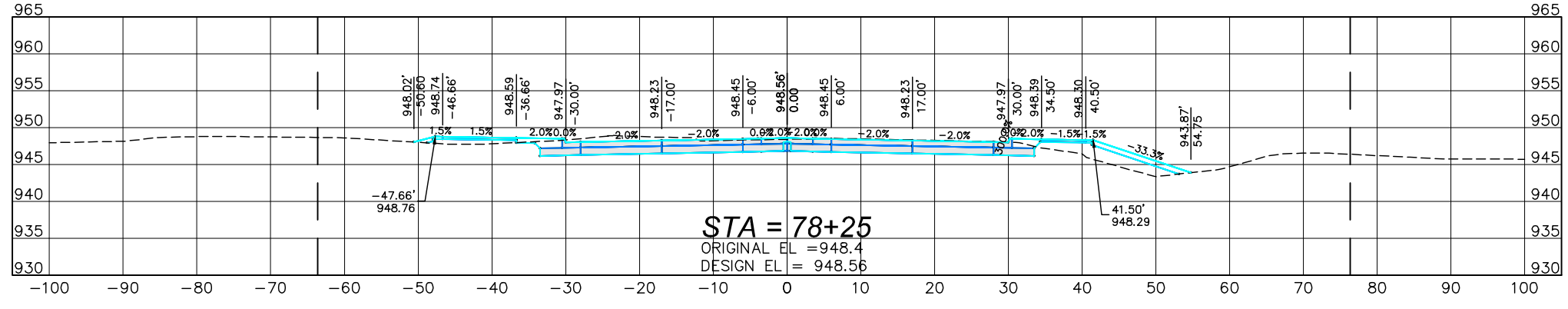
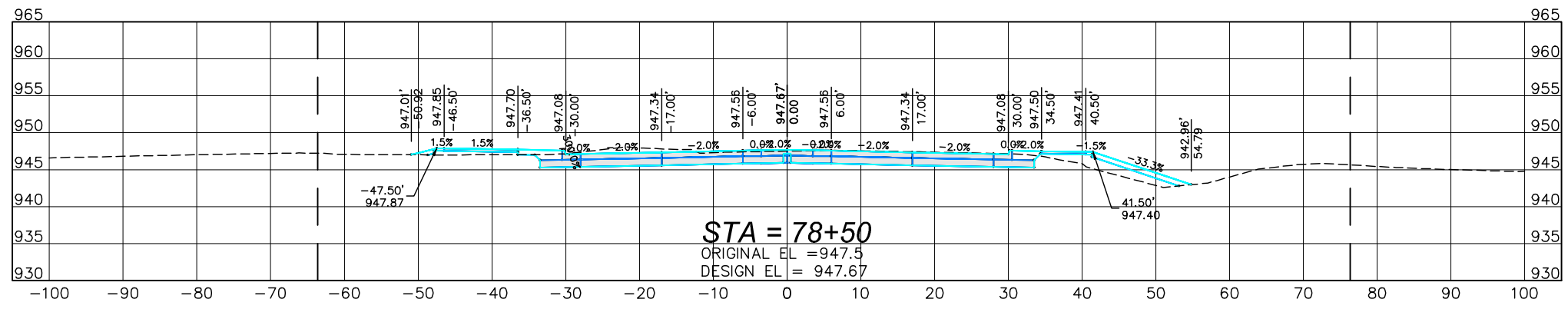
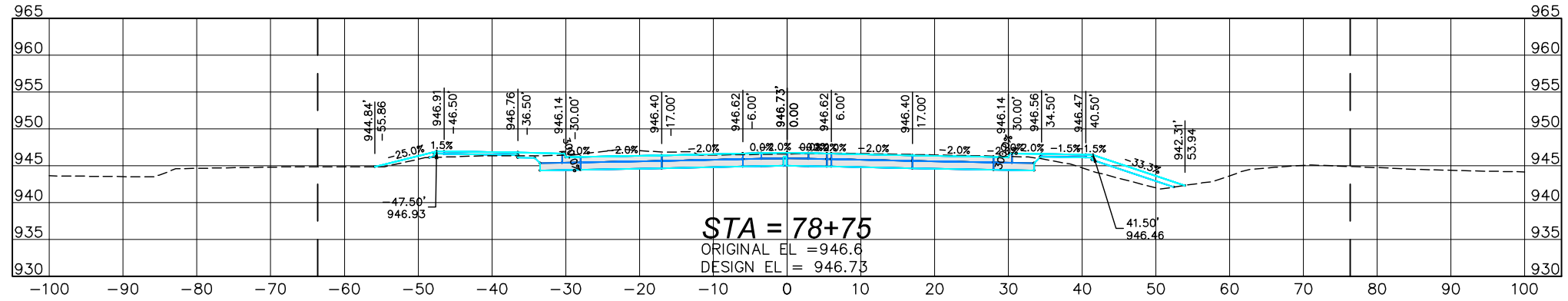


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CHK	Sweeney, Michelle
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DES	
CHK	Sweeney, Michelle
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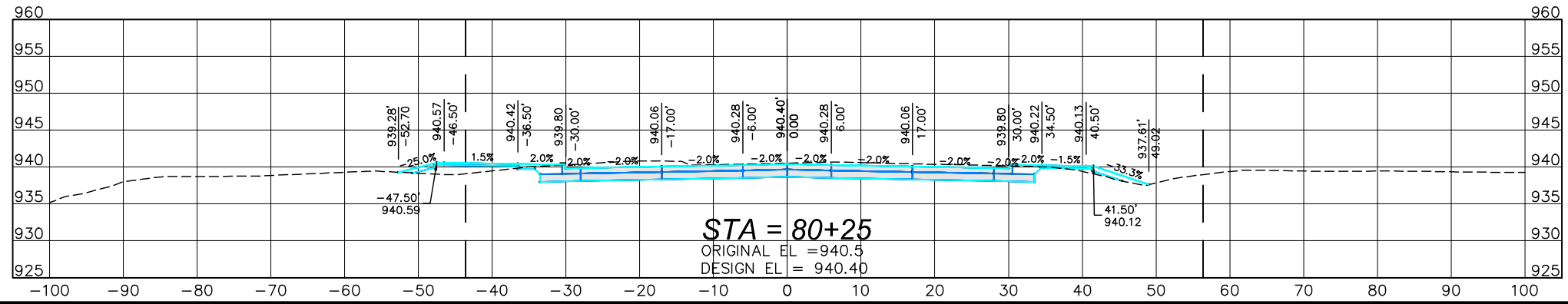
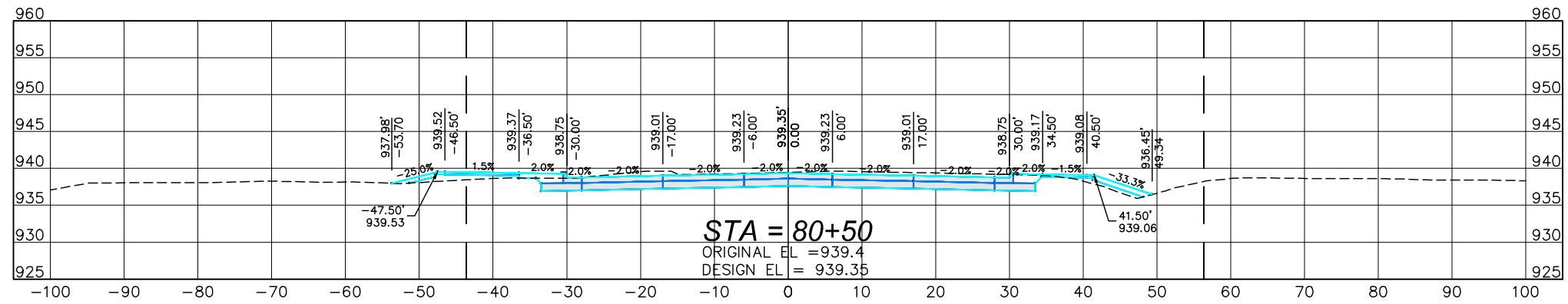
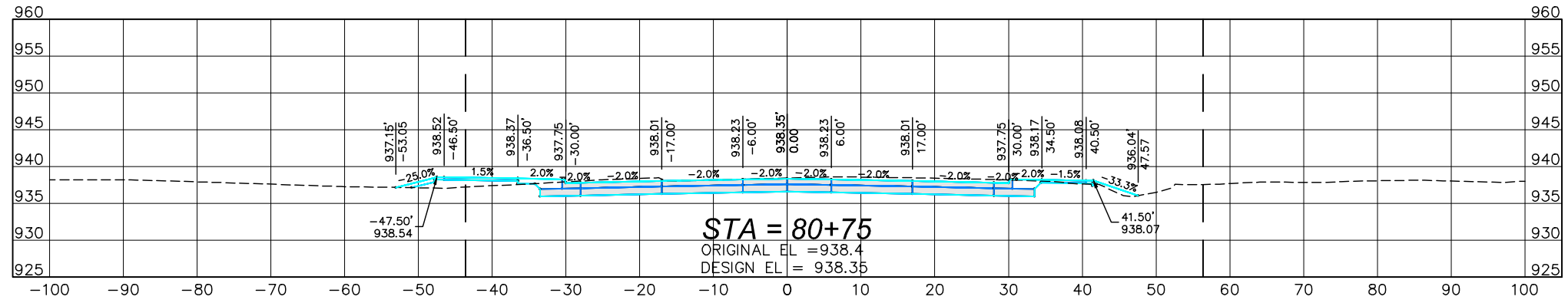
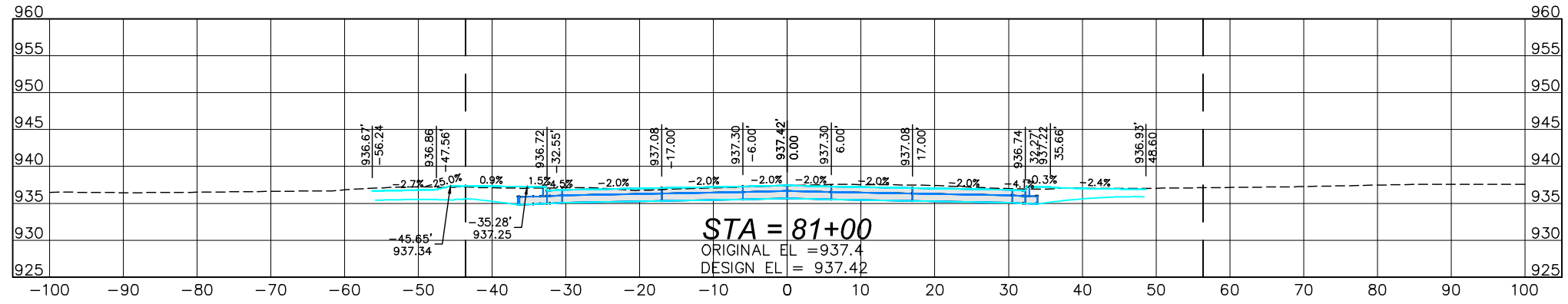
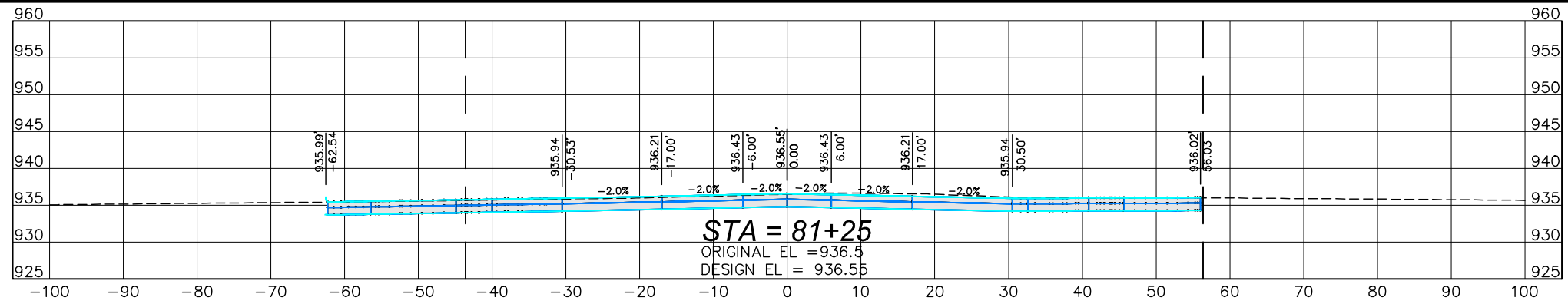


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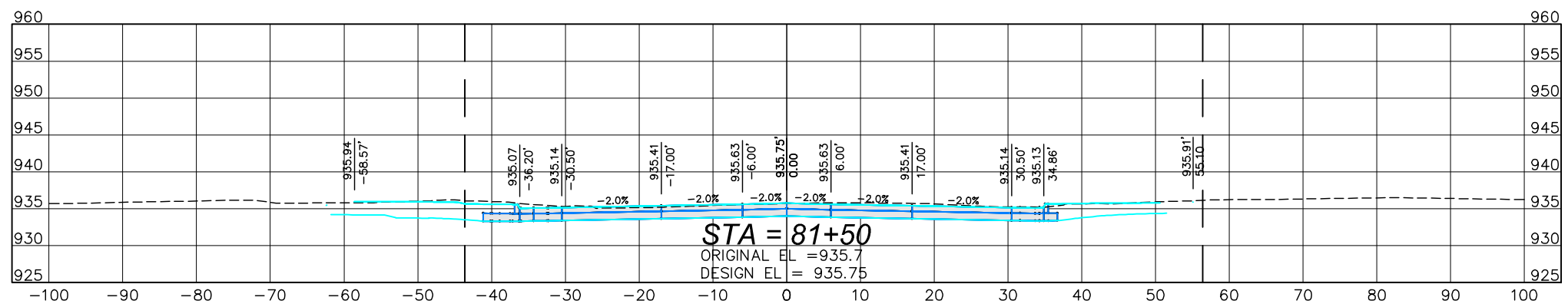
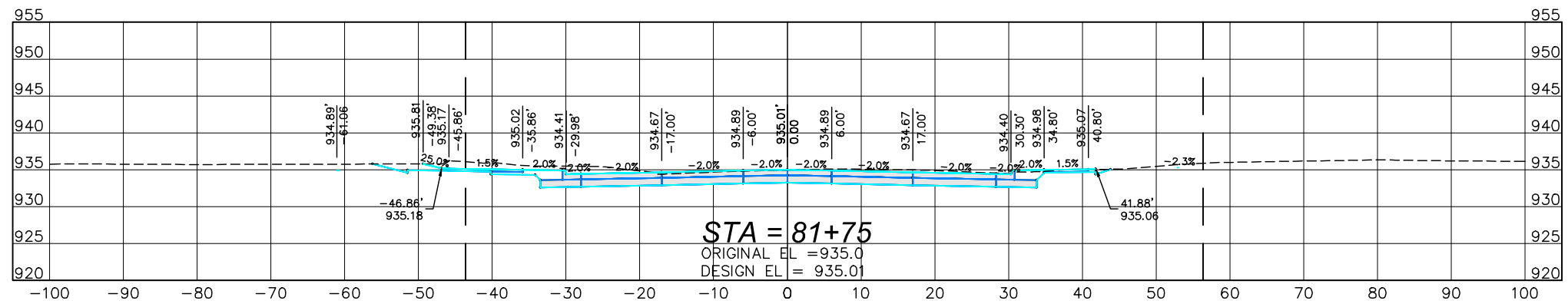
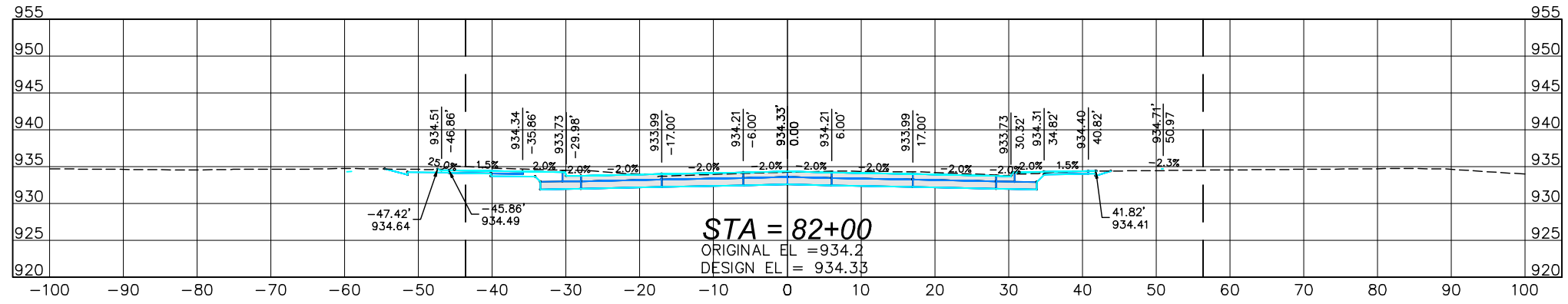
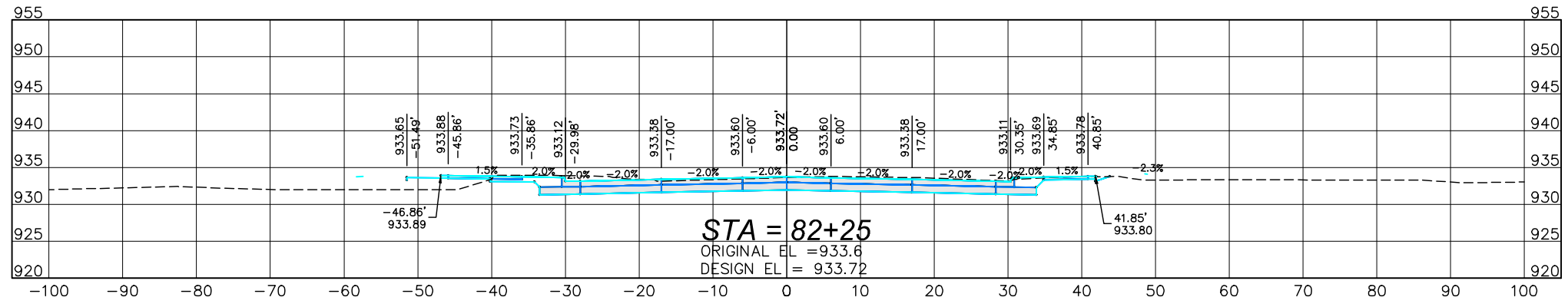
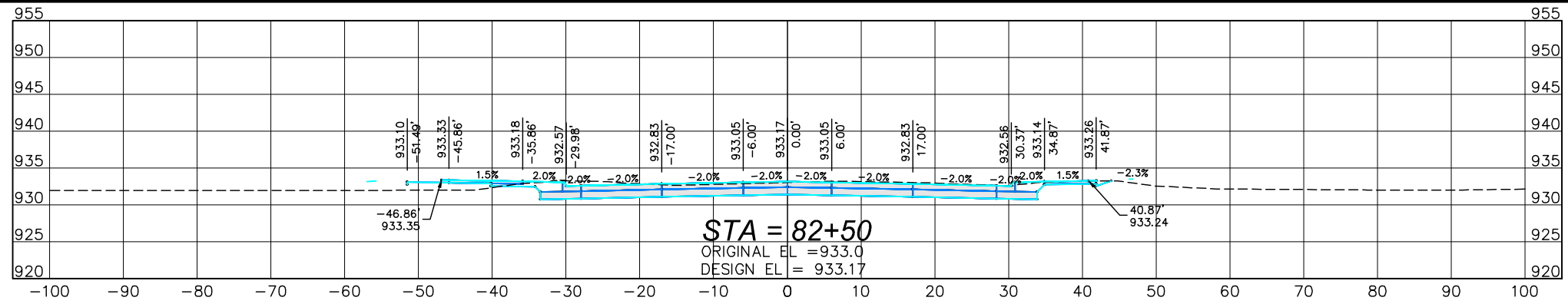


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CHK	Sweeney, Michelle
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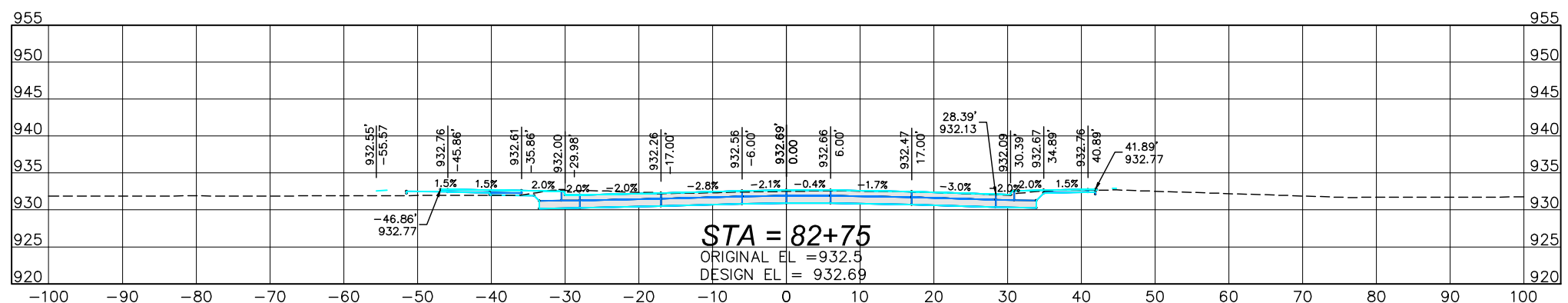
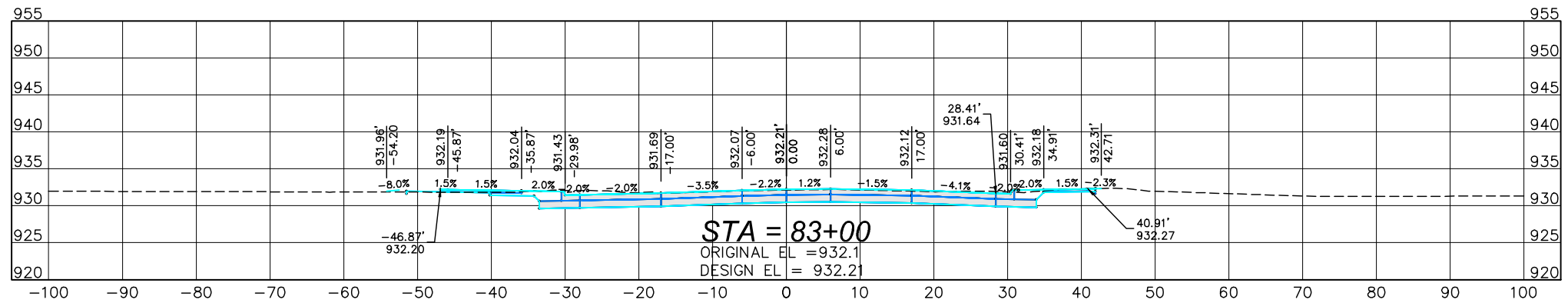
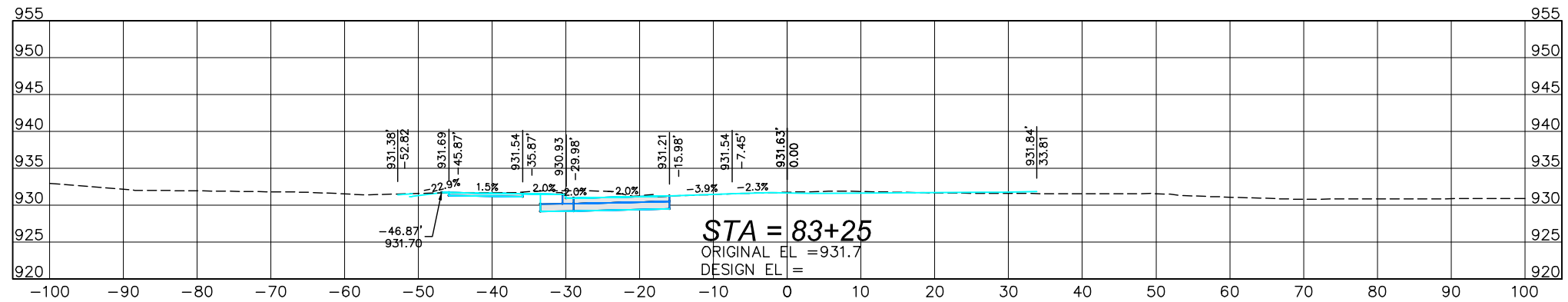
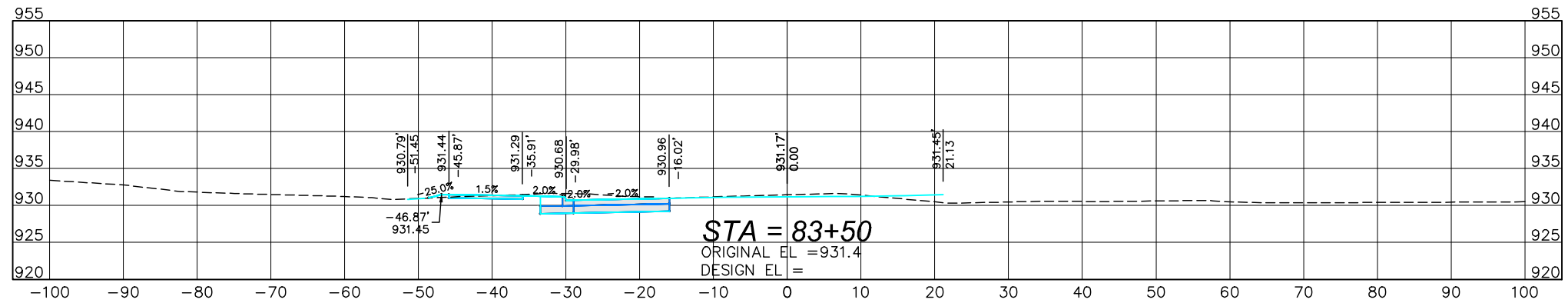
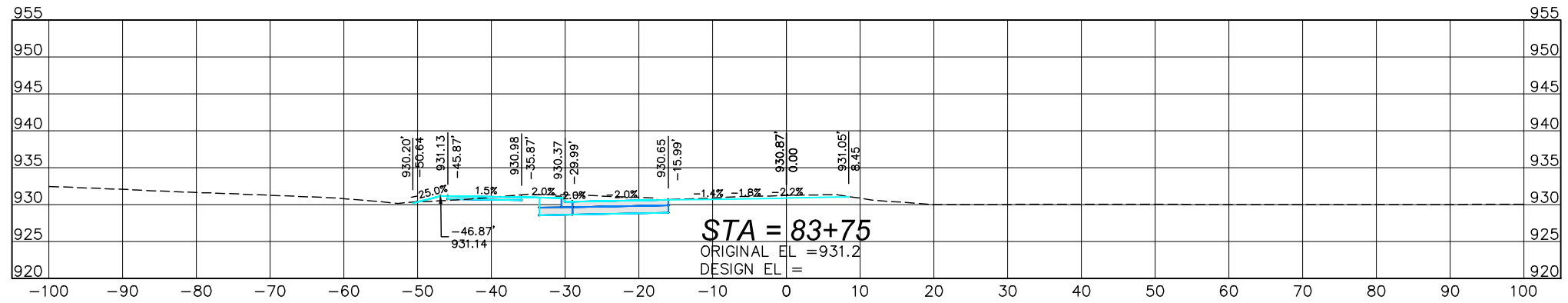


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CHK	Sweeney, Michelle
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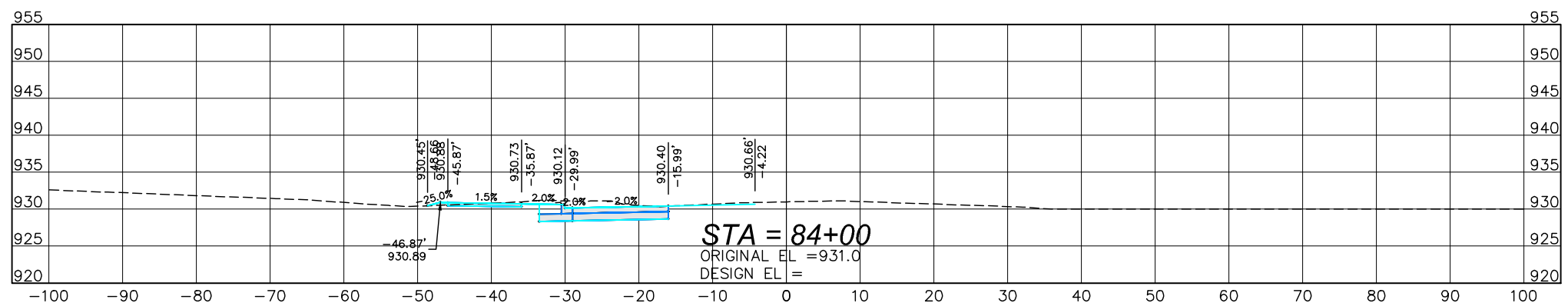
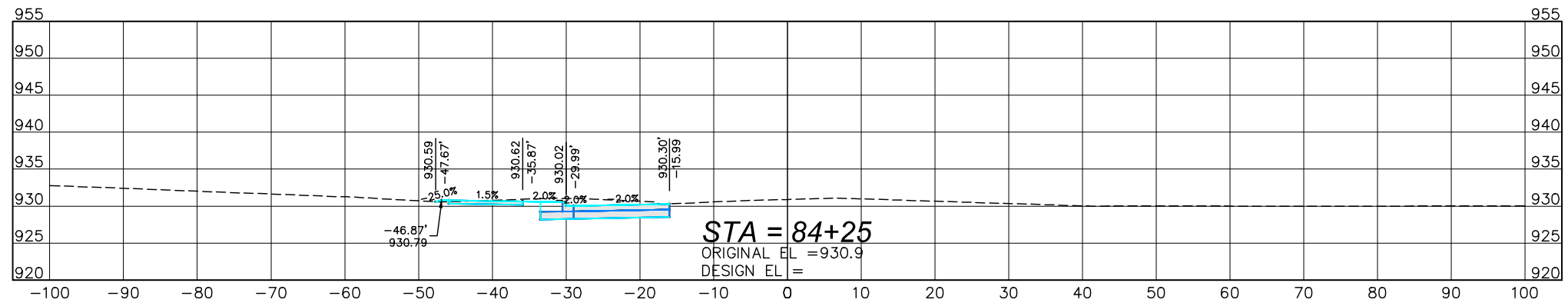
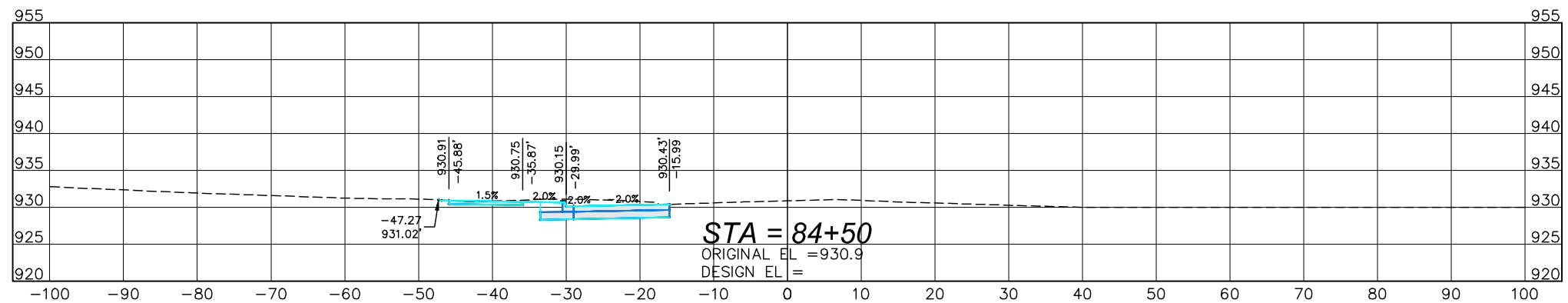
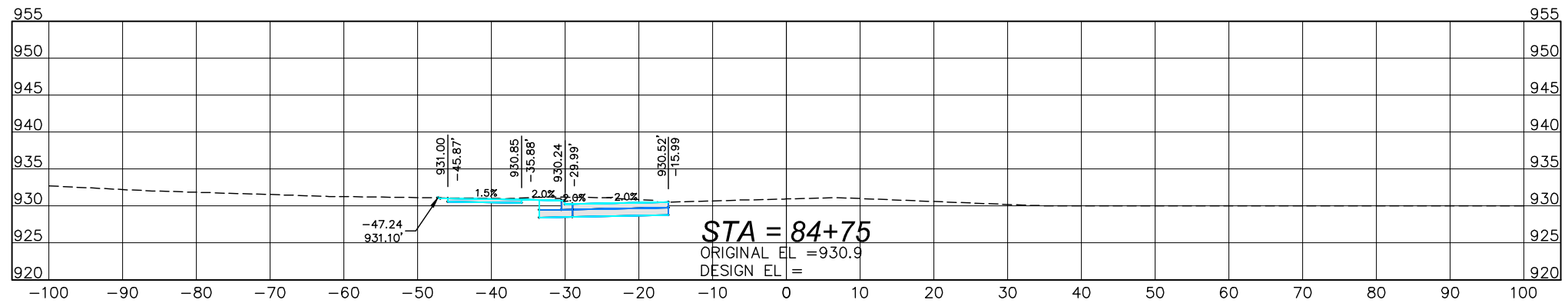
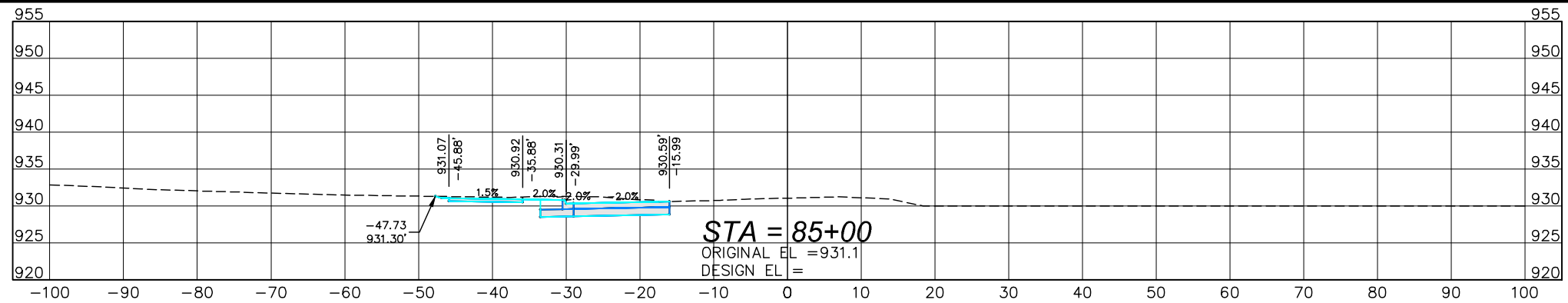
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SHEET NO.	
DRAWING NO.	347





Item 17.

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DRN CHK

REVISIONS

NO

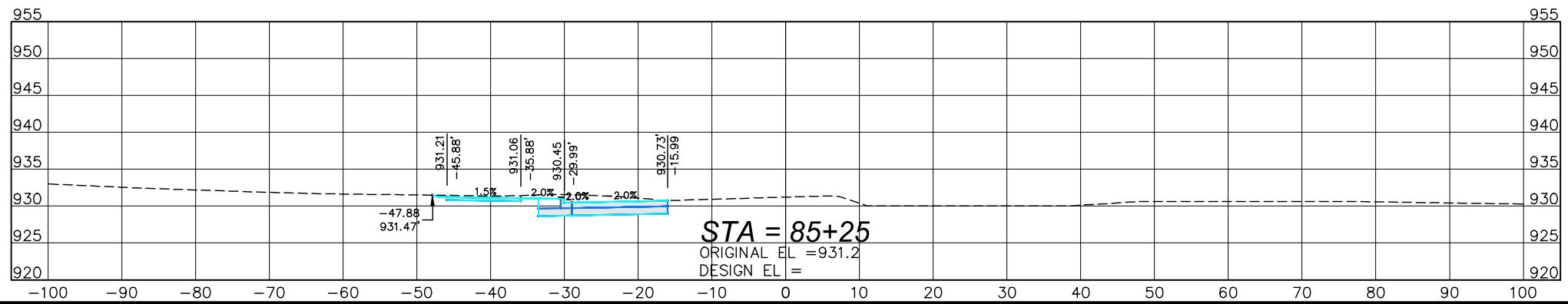
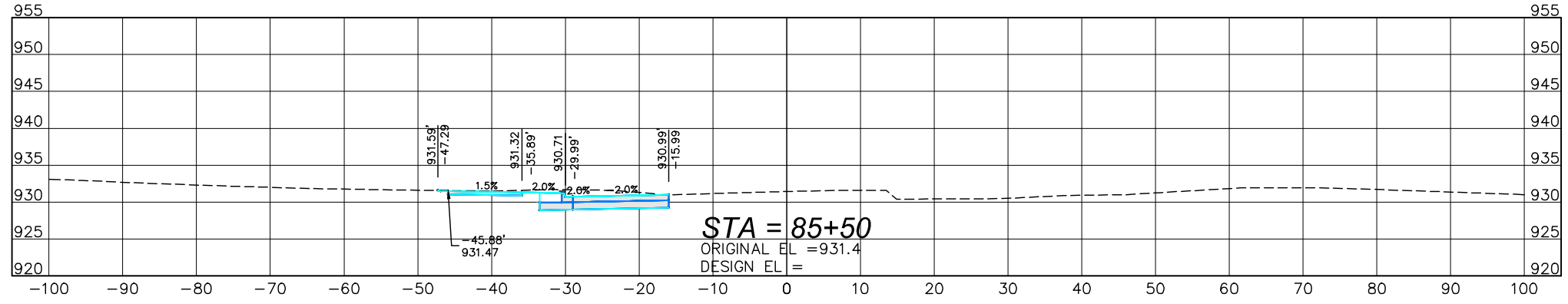
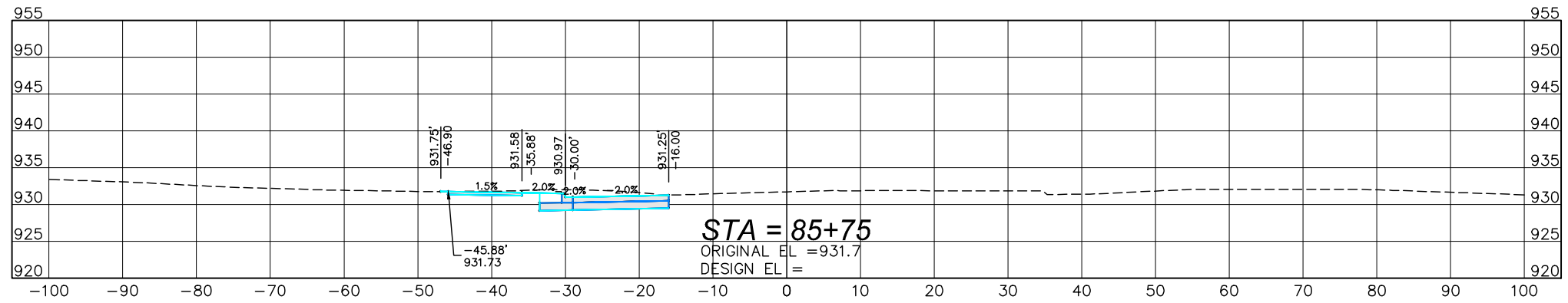
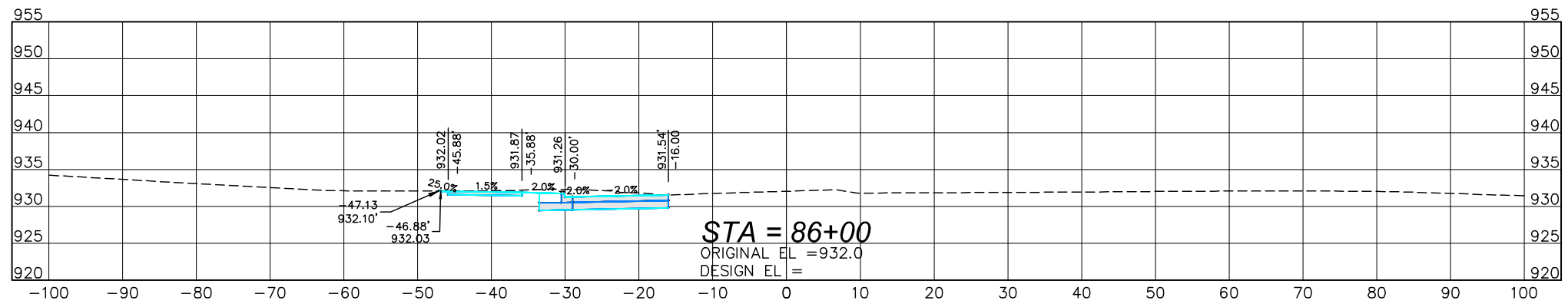
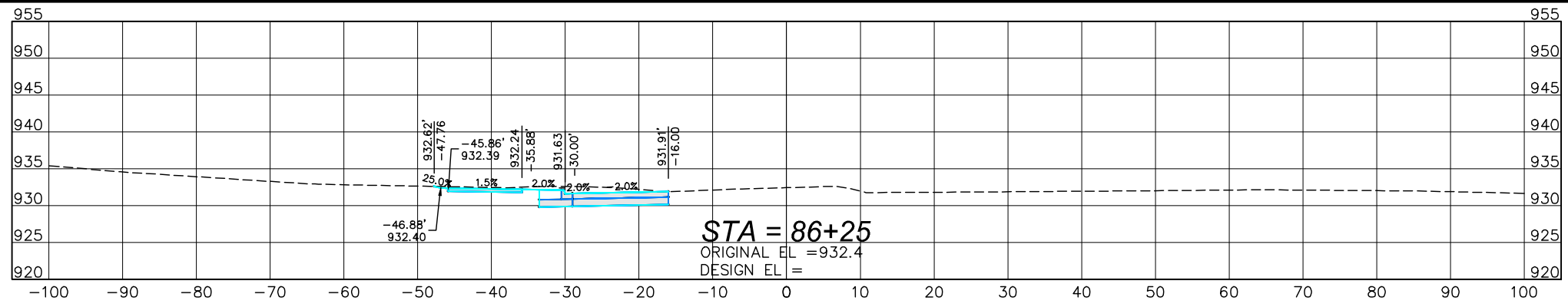
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DES  
CHK Sweeney, Michelle  
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WEST 27th STREET RECON  
RC-000-3240

CROSS SECTIONS

DATE 3-25-2022  
PROJECT NO. 60637669  
MILESTONE FINAL PLANS  
SHEET NO.  
DRAWING NO. 348



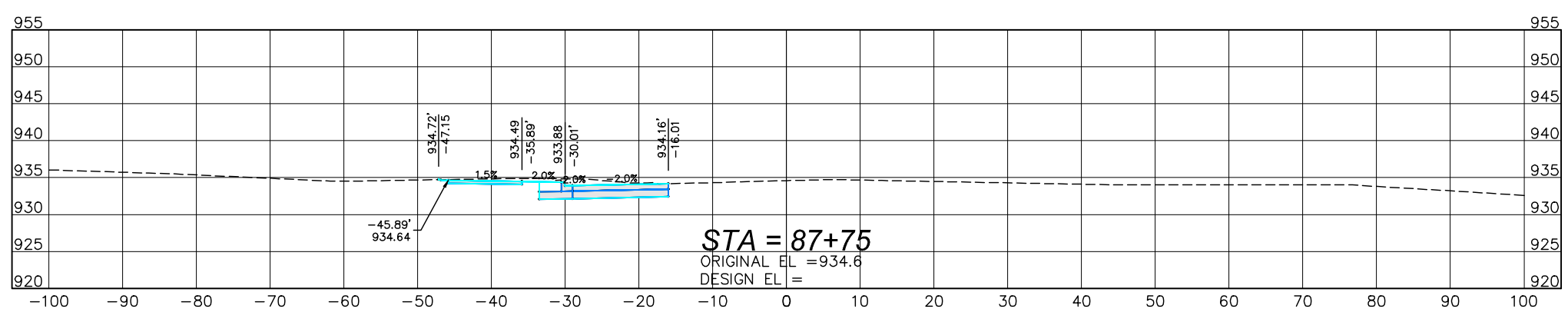
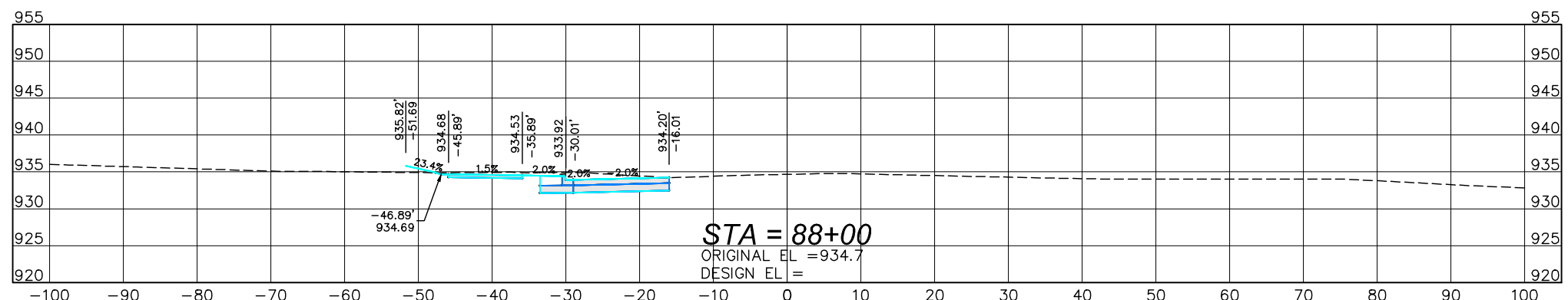
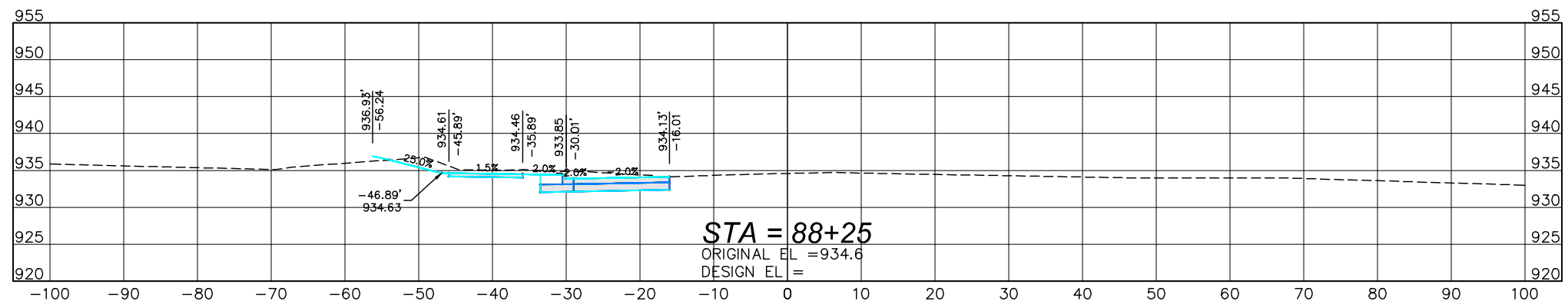
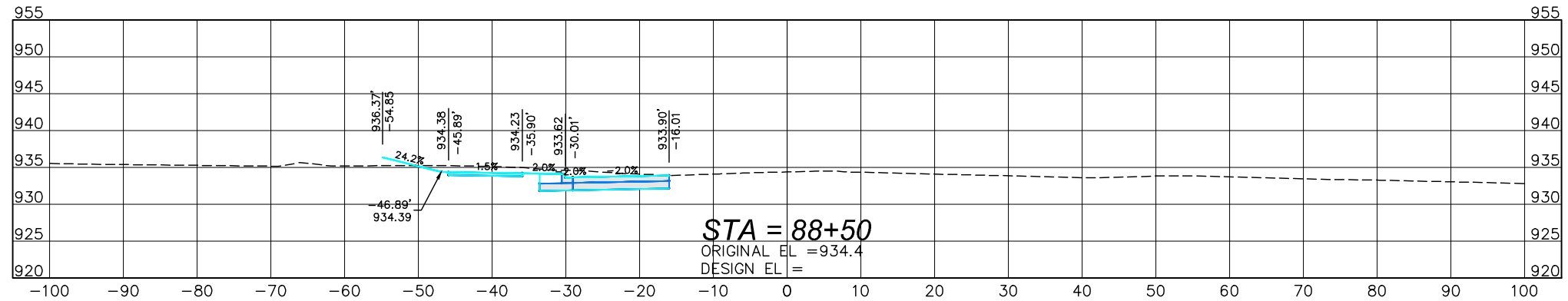
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	NO
DRN	Westley, Kasey
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CHK	Sweeney, Michelle
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WEST 27th STREET RECON  
 RC-000-3240  
 TITLE SHEET

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	349





Item 17.

NO	REVISIONS	DRN	CHK	DATE

DRN	Westley, Casey
DES	
CHK	Sweeney, Michelle
APP	
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WEST 27th STREET RECON  
 RC-000-3240  
 CROSS SECTIONS

DATE	3-25-2022
PROJECT NO.	60637669
MILESTONE	FINAL PLANS
SHEET NO.	
DRAWING NO.	351



# PROJECT SPECIFICATIONS FOR W. 27TH STREET RECONSTRUCTION PROJECT

## Project RC-000-3240 Cedar Falls, Iowa

ENGINEER'S CERTIFICATION	
 <p>The seal is circular with a dashed outer border. Inside the border, the words "LICENSED PROFESSIONAL ENGINEER" are written in a semi-circle at the top, and "IOWA" is at the bottom. Two small stars are positioned on the left and right sides. In the center, the text reads "MICHELLE M. SWEENEY" and "20830".</p>	<p>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.</p> <p><i>Michelle M. Sweeney</i> Date: <u>3/25/2022</u></p> <p>Michelle Sweeney, PE, PTOE, Iowa License No. 20830 My license renewal date is 12/31/2023</p> <p>Pages or sheets covered by this seal: <u>All</u></p>



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**DIVISION 3 – Standard Specifications**

The current version of the Statewide Urban Design and Specifications (SUDAS) shall apply to this project and serve as the City’s Standard Specification.

The Standard Specification is amended by the City of Cedar Falls Supplemental Specifications to SUDAS, latest edition.

Links to both documents can be found on the City’s website at:

[www.cedarfalls.com/designstandards](http://www.cedarfalls.com/designstandards) 35

**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  
W. 27TH STREET RECOSTRUCTION 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 W. 27TH STREET RECOSTRUCTION PROJECT in said City at 7:00 p.m. on the 18th day of April, said meeting to be held at the Community Center, 528 Main 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 W. 27TH STREET RECONSTRUCTION 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 22nd day of April 2022.

Time and Place Sealed Proposals will be Opened and Considered: Sealed proposals will be publicly opened online at 2:00 p.m. on the 22nd day of April 2022 at [www.questcdn.com](http://www.questcdn.com), for consideration by the City of Cedar Falls City Council at its meeting at 7:00 PM on the 2nd day of May 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. All work shall be completed within 240 working days. Working days will be accumulated concurrently from the date set forth in the written Notice to Proceed.

Bid Security: Bidders shall provide a bid security in the amount 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](http://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](http://www.cedarfalls.com/QuestCDN) and [www.questcdn.com](http://www.questcdn.com). This contract is QuestCDN project number 8110217. 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](mailto:info@questcdn.com) for assistance in membership registration, downloading digital project information and vBid online bid submittal questions. To access the electronic bid form, download the project documents and click the online bid button at the top of the bid advertisement page. 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 Haley Habinck. No drop-ins will be allowed.

If any prospective bidder is in doubt as to 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:

Michelle Sweeney, PE, PTOE  
 AECOM  
 501 Sycamore Street, Suite 222  
 Waterloo, Iowa 50703  
[Michelle.Sweeney@AECOM.com](mailto:Michelle.Sweeney@AECOM.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 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 projects will reconstruct W. 27th Street from Hudson Road to the west property line of the new Cedar Falls High School. This will include three roundabouts with enhancements and a new traffic signal at Hudson Road and W. 27th Street.

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 W. 27th Street Reconstruction Project shall be constructed in accordance with the 2022 Edition of the SUDAS and as further modified by the City of Cedar Falls' Supplemental Specifications and the special provisions 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 considered.

### **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.

Owner: The City of Cedar Falls, Iowa acting through its City Council.

Project: W. 27TH STREET RECONSTRUCTION PROJECT  
Project No. RC-000-3240

### **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 similar projects constructed in a satisfactory manner by the bidder; 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:*

The contract documents are available at [www.cedarfalls.com/QuestCDN](http://www.cedarfalls.com/QuestCDN) and [www.questcdn.com](http://www.questcdn.com). This contract is QuestCDN project number 8110217. 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](mailto:info@questcdn.com) for assistance in membership registration, downloading digital project information and vBid online bid submittal questions. To access the electronic bid form, download the project documents and click the online bid button at the top of the bid advertisement page. 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.

### **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 provided 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.

Proposals will only be accepted electronically on the Quest CDN website. Bidders will also be required to submit the following forms online with their bid: bid security, bidder status form and non-collusion Affidavit.

**FORM OF PROPOSAL  
W. 27TH STREET RECOSTRUCTION PROJECT  
PROJECT NO. RC-000-3240  
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, general conditions, and form of contract annexed hereto. Having made such examination, the undersigned hereby proposes to construct the improvements for the W. 27TH STREET RECOSTRUCTION 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:

<b>BID ITEM #</b>	<b>DESCRIPTION</b>	<b>UNITS</b>	<b>QUANTITY</b>	<b>UNIT PRICE</b>	<b>EXTENDED PRICE</b>
1	CLEARING AND GRUBBING	UNIT	85.90	\$	\$
2	ON-SITE TOPSOIL	CY	11,490.00	\$	\$
3	OFF-SITE TOPSOIL	CY	4,559.00	\$	\$
4	EXCAVATION, CLASS 10, ROADWAY AND BORROW	CY	9,929.00	\$	\$
5	EXCAVATION, CLASS 10, BORROW	CY	10,095.00	\$	\$
6	EXCAVATION, CLASS 13	CY	15.00	\$	\$
7	SUBGRADE PREPARATION, 12 IN.	SY	30,444.00	\$	\$

BID ITEM #	DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	EXTENDED PRICE
8	SUBGRADE TREATMENT, GEOGRID	SY	600.00	\$	\$
9	SUBBASE, MODIFIED 4 IN.	SY	7,014.00	\$	\$
10	SUBBASE, MODIFIED 6 IN.	SY	68.50	\$	\$
11	SUBBASE, MODIFIED 12 IN.	SY	30,444.00	\$	\$
12	REMOVALS, STRUCTURES	EACH	1.00	\$	\$
13	REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL	CY	200.00	\$	\$
14	STORM SEWER, TRENCHED, RCP, CLASS III, 15 IN.	LF	3,105.00	\$	\$
15	STORM SEWER, TRENCHED, RCP, CLASS III, 18 IN.	LF	1,268.00	\$	\$
16	STORM SEWER, TRENCHED, RCP, CLASS III, 24 IN.	LF	36.00	\$	\$
17	STORM SEWER, TRENCHED, RCP, CLASS III, 30 IN.	LF	355.00	\$	\$
18	STORM SEWER, TRENCHED, RCP, CLASS III, 36 IN.	LF	148.00	\$	\$
19	STORM SEWER, TRENCHED, RCP, CLASS III, 37x23 IN ARCH PIPE	LF	17.00	\$	\$
20	REMOVAL OF STORM SEWER, RCP, LESS THAN 36 IN.	LF	1,722.00	\$	\$
21	RCP APRON FOOTINGS 4030.221	EACH	3.00	\$	\$
22	18" RCP APRON 4030.222	EACH	1.00	\$	\$
23	24" RCP APRON 4030.222	EACH	1.00	\$	\$
24	36" RCP APRON 4030.222	EACH	1.00	\$	\$
25	PIPE APRON GUARD, 18" RCP, IN PLACE 4030.224	EACH	1.00	\$	\$
26	PIPE APRON GUARD, 24" RCP, IN PLACE 4030.224	EACH	1.00	\$	\$
27	PIPE APRON GUARD, 36" RCP, IN PLACE 4030.224	EACH	1.00	\$	\$
28	SUBDRAIN, TYPE S, 6 IN.	LF	9,545.10	\$	\$
29	SUBDRAIN CONNECTIONS, CONNECT TO EXISTING SUBDRAIN, 6 IN.	EACH	18.00	\$	\$
30	SUBDRAIN OUTLETS, 4040.233	EACH	90.00	\$	\$
31	WATER MAIN, TRENCHED, DUCTILE IRON PIPE (DIP), 16 IN, POLY WRAPPED	LF	1,636.50	\$	\$
32	WATER MAIN, TRENCHED, DUCTILE IRON PIPE (DIP), 12 IN, POLY WRAPPED	LF	68.50	\$	\$



BID ITEM #	DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	EXTENDED PRICE
33	WATER MAIN, TRENCHED, DUCTILE IRON PIPE (DIP), 8 IN, POLY WRAPPED	LF	40.10	\$	\$
34	WATER MAIN, TRENCHED, DUCTILE IRON PIPE (DIP), 6 IN, POLY WRAPPED, (HYD EXT)	LF	130.80	\$	\$
35	GASKETS, NITRILE	EACH	5.00	\$	\$
36	FITTINGS BY COUNT, DUCTILE IRON, 12 IN, MJ CAP	EACH	1.00	\$	\$
37	FITTINGS BY COUNT, DUCTILE IRON, 16 IN, 45° ELBOW	EACH	12.00	\$	\$
38	FITTINGS BY COUNT, DUCTILE IRON, 16 IN, 11.25° ELBOW	EACH	2.00	\$	\$
39	FITTINGS BY COUNT, DUCTILE IRON, 6 IN, 22.5° ELBOW	EACH	1.00	\$	\$
40	FITTINGS BY COUNT, DUCTILE IRON, 6 IN, 45° ELBOW	EACH	1.00	\$	\$
41	FITTINGS BY COUNT, DUCTILE IRON, 16 IN X 16IN X 12 IN, TEE	EACH	1.00	\$	\$
42	FITTINGS BY COUNT, DUCTILE IRON, 16 IN X 16IN X 8 IN, TEE	EACH	1.00	\$	\$
43	VALVE, BUTTERFLY, DIP, 16 IN	EACH	4.00	\$	\$
44	VALVE, GATE, DIP, 12 IN	EACH	1.00	\$	\$
45	VALVE, GATE, DIP, 8 IN	EACH	2.00	\$	\$
46	VALVE, GATE, DIP, 6 IN	EACH	1.00	\$	\$
47	VALVE, ADJUSTMENT	EACH	3.00	\$	\$
48	FIRE HYDRANT ASSEMBLY	EACH	2.00	\$	\$
49	ALTERNATE FIRE HYDRANT ASSEMBLY	EACH	4.00	\$	\$
50	FIRE HYDRANT, END OF MAIN	EACH	1.00	\$	\$
51	FIRE HYDRANT ASSEMBLY, REMOVE & RELOCATE	EACH	5.00	\$	\$
52	MANHOLE, SW-401, 48 IN.	EACH	5.00	\$	\$
53	INTAKE, SW-507	EACH	18.00	\$	\$
54	INTAKE, SW-508	EACH	9.00	\$	\$
55	INTAKE, SW-509	EACH	11.00	\$	\$
56	INTAKE, SW-510	EACH	5.00	\$	\$
57	INTAKE, SW-513	EACH	8.00	\$	\$
58	INTAKE, SW-545	EACH	2.00	\$	\$
59	CONNECTION TO EXISTING MANHOLE OR INTAKE	EACH	6.00	\$	\$
60	REMOVALS, MANHOLE OR INTAKE	EACH	15.00	\$	\$
61	STANDARD OR SLIP FORM PORTLAND CEMENT CONCRETE	SY	26,379.70	\$	\$

BID ITEM #	DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	EXTENDED PRICE
	PAVEMENT, CLASS C-SUD, CLASS 3 DURABILITY, 9 IN.				
62	CONCRETE MEDIAN, STANDARD PAVEMENT, CLASS C-4, CLASS 3 DURABILITY, 6 IN.	SY	68.50	\$	\$
63	TEMPORARY PAVEMENT, 6" PCC	SY	45.00	\$	\$
64	CURB AND GUTTER, ROLLED, 6 IN.	LF	75.00	\$	\$
65	REMOVAL OF SIDEWALK, SHARED USE PATH, OR DRIVEWAY	SY	1,251.70	\$	\$
66	SHARED USE PATHS, PCC, 6 IN.	SY	5,652.30	\$	\$
67	PCC SIDEWALK, PCC, 4 IN.	SY	1,087.80	\$	\$
68	PCC SIDEWALK, PCC, 6 IN.	SY	114.50	\$	\$
69	BRICK PAVERS, TYPE 1	SY	1,319.50	\$	\$
70	BRICK PAVERS, TYPE 2	SY	1,522.00	\$	\$
71	DETECTABLE WARNINGS, CAST IRON	SF	813.00	\$	\$
72	DRIVEWAYS, PCC, 6 IN.	SY	168.00	\$	\$
73	GRANULAR DRIVEWAY SURFACING, CLASS A	TON	104.60	\$	\$
74	REMOVAL OF PAVEMENT	SY	21,566.10	\$	\$
75	CURB AND GUTTER REMOVAL	LF	1,040.00	\$	\$
76	SAWCUT FOR REMOVALS	LF	486.00	\$	\$
77	TRAFFIC SIGNALIZATION, RRFB	LS	1.00	\$	\$
78	TEMPORARY TRAFFIC SIGNAL	LS	1.00	\$	\$
79	TRAFFIC SIGNAL REMOVAL	LS	1.00	\$	\$
80	PAINTED PAVEMENT MARKINGS, SOLVENT WATERBORNE	STA	297.16	\$	\$
81	WET, RETROREFLECTIVE REMOVABLE TAPE MARKINGS	STA	1.88	\$	\$
82	PAINTED SYMBOLS AND LEGENDS, SOLVENT WATERBORNE	EACH	29.00	\$	\$
83	TRAFFIC CONTROL	LS	1.00	\$	\$
84	PORTABLE DYNAMIC MESSAGE SIGN	CDAY	15.00	\$	\$
85	FLAGGER	EACH	30.00	\$	\$
86	SAFETY CLOSURE	EACH	13.00	\$	\$

BID ITEM #	DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	EXTENDED PRICE
87	TEMPORARY BUSINESS ACCESS SIGNS	EACH	17.00	\$	\$
88	REMOVAL OF CONCRETE FOOTINGS	EACH	17.00	\$	\$
89	LIGHT POLES, REMOVE & REINSTALL	EACH	2.00	\$	\$
90	LIGHT POLES, 33'-6" METAL POLE W/ BREAKAWAY BASE AND 12' MAST ARM	EACH	51.00	\$	\$
91	LIGHTING, LANDSCAPE LUMINAIRE	EACH	2.00	\$	\$
92	ELECTRICAL CIRCUITS	LF	9,165.00	\$	\$
93	ELECTRICAL CIRCUITS, PULL ROPE ONLY	LF	4,920.00	\$	\$
94	HANDHOLES AND JUNCTION BOXES	EACH	18.00	\$	\$
95	CONTROL CABINET	EACH	1.00	\$	\$
96	TYPE A SIGNS, SHEET ALUMINUM	SF	775.80	\$	\$
97	PERFORATED SQUARE STEEL TUBE POSTS	LF	1,082.80	\$	\$
98	PERFORATED SQUARE STEEL TUBE POST ANCHOR, BREAK-AWAY SOIL INSTALLATION	EACH	97.00	\$	\$
99	REMOVAL OF TYPE A SIGN ASSEMBLY	EACH	24.00	\$	\$
100	REMOVE & REINSTALL OF TYPE B SIGN ASSEMBLY	EACH	2.00	\$	\$
101	WATERING	MGAL	100.00	\$	\$
102	LANDSCAPING	LS	1.00	\$	\$
103	SWPPP MANAGEMENT	LS	1.00	\$	\$
104	STABILIZED CONSTRUCTION ENTRANCE	TON	96.00	\$	\$
105	TEMPORARY HYDRO-SEEDING, TYPE 1	ACRE	3.00	\$	\$
106	SEEDING, FERTILIZING, AND MULCHING FOR HYDRAULIC SEEDING, TYPE 1	ACRE	3.00	\$	\$
107	SEEDING, FERTILIZING, AND MULCHING FOR HYDRAULIC SEEDING, TYPE 2	ACRE	3.00	\$	\$
108	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 12 IN.	LF	16,352.00	\$	\$
109	REMOVAL OF PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE	LF	16,352.00	\$	\$

BID ITEM #	DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	EXTENDED PRICE
110	SILT FENCE INSTALLATION	LF	7,085.00	\$	\$
111	MAINTENANCE OF SILT FENCE	LF	5,000.00	\$	\$
112	REMOVAL OF SILT FENCE	LF	7,085.00	\$	\$
113	ROLLED EROSION CONTROL PRODUCT, TYPE II	SY	825.75	\$	\$
114	REVETMENT, CLASS E RIP RAP APRON (& ENG. FABRIC) FOR PIPE OUTLET, 9040.111	TON	39.40	\$	\$
115	OPEN-THROAT CURB INTAKE SEDIMENT FILTER	LF	480.70	\$	\$
116	MAINTENANCE OF OPEN-THROAT CURB INTAKE SEDIMENT FILTER	EACH	45.00	\$	\$
117	REMOVAL OF OPEN-THROAT CURB INTAKE SEDIMENT FILTER	EACH	45.00	\$	\$
118	INTAKE PROTECTION, SEDIMENT CONTROL DEVICE, 12 IN	EACH	8.00	\$	\$
119	MAINTENANCE OF INTAKE PROTECTION, SEDIMENT CONTROL DEVICE	EACH	8.00	\$	\$
120	REMOVAL OF INTAKE PROTECTION, SEDIMENT CONTROL DEVICE	EACH	8.00	\$	\$
121	MOWING	ACRE	6.00	\$	\$
122	FIELD FENCE, BRACE PANELS	EACH	2.00	\$	\$
123	FIELD FENCE, REMOVAL	LF	171.00	\$	\$
124	CAST IRON MONUMENT BOX	EACH	2.00	\$	\$
125	MOBILIZATION	LS	1.00	\$	\$
126	CONCRETE WASHOUT	LS	1.00	\$	\$
<b>TOTAL BID</b>					\$

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. A unit price shall be submitted for each of the items (Items 1-126). The successful bidder will be determined by evaluating the Total Bid shown above which shall be done online via the QuestCDN website. 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, emailed or delivered to the bidder 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\_\_\_\_\_.

\_\_\_\_\_  
Principal (Seal)

\_\_\_\_\_  
Witness

By \_\_\_\_\_ (Title)

\_\_\_\_\_  
Surety (Seal)

\_\_\_\_\_  
Witness

By \_\_\_\_\_  
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.





### 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: W. 27TH STREET RECONSTRUCTION PROJECT, Project No. RC-000-3240 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 18th day of April 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. RC-000-3240 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. General Conditions
- h. Project Specifications
- i. Form of Proposal
- j. Performance, Payment, and Maintenance Bond
- k. Form of Contract
- l. Non-collusion Affidavit of Prime Bidder
- m. 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:

### W. 27th Street Reconstruction Project Project RC-000-3240

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 Blackhawk 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. RC-000-3240

Witness our hands, in triplicate, this \_\_\_\_\_ day of \_\_\_\_\_, 2022.

Surety Countersigned By:

**PRINCIPAL:**

\_\_\_\_\_  
Signature of Agent

\_\_\_\_\_  
Contractor

By: \_\_\_\_\_  
Signature

\_\_\_\_\_  
Printed Name of Agent

\_\_\_\_\_  
Title

\_\_\_\_\_  
Company Name

**SURETY:**

\_\_\_\_\_  
Company Address

\_\_\_\_\_  
Surety Company

\_\_\_\_\_  
City, State, Zip Code

By: \_\_\_\_\_  
Signature Attorney-in-Fact Officer

\_\_\_\_\_  
Company Telephone Number

\_\_\_\_\_  
Printed Name of Attorney-in-Fact Officer

\_\_\_\_\_  
Company Name

**FORM APPROVED BY:**

\_\_\_\_\_  
Company Address

\_\_\_\_\_  
Attorney for Owner

\_\_\_\_\_  
City, State, Zip Code

\_\_\_\_\_  
Company Telephone Number

**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.

## 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**

*Add the following to Standard Specification Section 1030 – 1.03:*

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**

*Add the following to Standard Specification Section 1050 – 1.04:*

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) Cedar Falls High School Project
- 2) UNI 2022 Schedule of Events
  - a. May 6 - Hawkeye Comm. College Commencement, Mcleod Center
  - b. May 13/14 - UNI Commencement, Mcleod Center
  - c. May 22 - Cedar Falls Commencement, Mcleod Center
  - d. May 25 - Waterloo West Commencement, Mcleod Center
  - e. May 26 - Waterloo East Commencement, Mcleod Center
  - f. Sep. 17 - UNI Football, UNI-Dome
  - g. Oct. 1 - UNI Football, UNI-Dome
  - h. Oct. 8 - UNI Football, UNI-Dome
  - i. Oct. 15 - UNI Football, UNI-Dome
  - j. Oct. 22 - UNI Football, UNI-Dome
  - k. Nov. 5 - UNI Football, UNI-Dome
  - l. Nov. 9,10,11,12,17,18 - Iowa High School Football Playoffs, UNI-Dome
  - m. Home Games for Cedar Falls High School Football Fall 2022 – Unknown at this time but will require coordination.



**03 Protection of Line and Grade Stakes**

*Add the following to Standard Specification Section 1050 – 1.10:*

The Contractor shall notify the Engineer at least 48 hours prior to the need for survey stakes. The Contractor shall be responsible for preserving survey stakes and marks and if any survey stakes or marks are destroyed or disturbed by the Contractor, Contractor will be charged for the cost of replacing them.

**04 Borrow and Waste Sites**

*Add the following to Standard Specification Section 1070 – 2.13:*

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 pavement removal or roadway excavation on this project.

**05 Subletting or Assignment of Contract**

*Add the following to Standard Specification Section 1080 – 1.01:*

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**

*Add the following to Standard Specification Section 1080 – 1.02:*

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 240 working days as set forth in the written Notice to Proceed.

Intermediate working days for construction staging will be as follows:

W. 27 <sup>th</sup> Street Stage 1	45 calendar days
W. 27 <sup>th</sup> Street Stage 2	75 calendar days
W. 27 <sup>th</sup> Street Stage 3	120 calendar days

If the stage is not open to local traffic within the allotted working days, liquidated damages of \$1000 per day will be assessed.

## **07 Work Progress and Schedule**

*Add the following to Standard Specification Section 1080 – 1.03:*

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 Working Days**

*Add the following to Standard Specification Section 1080 – 1.06:*

Work shall not begin before 7:00 a.m. and shall stop at sunset.

## **09 Liquidated Damages**

*Add the following to Standard Specification Section 1080 – 1.12:*

Liquidated damages in the amount of \$1000 dollars per working day will be assessed for each working day that the work remains uncompleted after the expiration of the contract time.

## **10 Progress Payments and Vouchers**

*Add the following to Standard Specification Section 1090 – 1.01:*

Pay estimates will be submitted to the City Council for approval on the First and Third Mondays of each month.

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.

## **11 Pollution Prevention Plan**

### 1. Site Description

The proposed W. 27th Street Reconstruction Project involves reconstruction of W. 27th Street from Hudson Road to the west property line of the new Cedar Falls High School. This will include three roundabouts with enhancements and a new traffic signal at Hudson Road and W. 27th Street.

Access to the site shall be from W. 27<sup>th</sup> Street and side roads.

The existing soils report will be provided upon request to the Engineer.

### 2. Erosion and Sediment Controls

Construction activities that disturb soils are shown in the project plan set. The primary means of controlling silt movement during construction is by minimizing the exposure of subgrade soils by way of silt fence and seeding. In addition, rolled erosion control product will be installed in the ditch to prevent erosion.

Stabilizing of all disturbed areas shall be by sodding or seeding as shown in the Project plan as soon as practical after completion of the backfilling of the curbs and/or the placement of the topsoil. The Contractor shall be responsible for installation and maintenance of all erosion control measures as described in the Project plan. The Contractor may elect to delegate portions of these tasks to subcontractors.

All contractors operating on the site shall take efforts to prevent contamination of storm water runoff, groundwater and soils by hazardous material and/or pollutants caused by work operations or encountered in their work. All waste building materials and supplies must be removed from the site. If construction equipment maintenance or repair is performed on the site, provisions must be made to capture and remove any lubricants or other fluids.

The Contractor shall notify the Owner immediately upon finding a hazardous material contamination either existing at the site or caused by construction activities.

Each and every Contractor shall be responsible to the Owner to:

1. Execute Contractor's part of the Pollution Prevention Plan as described.
2. Conduct all activities to not damage an existing erosion control measure or stabilizing vegetation. If damages occur, the Contractor shall make repairs with no additional cost to the Owner.
3. Coordinate with the Owner for installation of additional erosion control measures that may be needed during construction.

### 3. Storm Water Management

Storm water shall be routed to the natural drainage channels adjacent to the project and protected by silt fence. Temporary sediment basins were not incorporated because of the limited area exposed in each stage of construction. Storm water runoff volumes will not change as a result of the construction project, but storm water runoff shall be managed during construction to minimize erosion.

### 4. Pollution Prevention Plan Reporting and Updates

The Owner or a representative is to ensure compliance with the Pollution Prevention Plan will carry out regular inspections. Owner 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. Owner 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.

### 5. Certification Statement

**N.P.D.E.S. CERTIFICATION**  
**PROJECT NO. RC-000-3240**

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.



## **12 METHOD OF MEASUREMENT**

The Engineer will measure the items of work that have been acceptably constructed as specified in the contract documents in accordance with the 2022 Edition of the SUDAS and as further modified by the City of Cedar Falls Supplemental Specifications, except as amended or supplemented as follows:

### Items No. 63 – Temporary Pavement

Measurement for bid items shall be per Iowa DOT Specification 2304.

### Item No. 69 – Brick Pavers, Type 1

Measurement for bid items shall be per square yard installed including the curb sections.

### Item No. 70 – Brick Pavers, Type 2

Measurement for bid items shall be per square yard installed including the curb sections.

### Item No 76 - Saw Cutting for Removals

Measurement for Saw Cutting for Removals for pavement removal shall be per lineal foot.

### Items No. 84-86 – Portable Dynamic Message Sign, Flagger, Safety Closure

Measurement for bid items shall be per Iowa DOT Specification 2528.

### Items No. 87 – Temporary Business Access Signs

Measurement for these bid items shall be in accordance with Section 2524 of the IDOT Standard Specifications. Measurement for Temporary Business Access Sign shall be per each. The number of access signs provided will be counted on a per each basis. Relocations of a previously installed access sign will not be measured.

### Item No. 88 – Removal of Concrete Footings

Measurement for Lighting Removal shall be each. The number of existing streetlights and footings removed will be counted on a per each location basis.

### Item No. 89 –Lighting Poles, Removed and Reinstalled

Measurement for bid items shall be per each light removed and reinstalled.

### Item Nos. 90 - 95 –Lighting Poles, 33'-6" Metal Pole, Lighting, Up Lights, Electrical Circuits, Electrical Circuits, Pull Rope Only, Handholes and Junction Boxes, and Control Cabinet

Measurement for bid items shall be per Iowa DOT Specification 2523.

### Item Nos. 96 – 100 – Type A Signs, Sheet Aluminum, Perforated Square Steel Tube Posts, Perforated Square Steel Tube Post Anchor, Break-Away Soil Installation, Removal of Type A Sign Assembly, and Removal & Reinstall of Type B Sign Assembly.

Measurement for these bid items shall be in accordance with Section 2524 of the IDOT Standard Specifications.

Item No. 102 - Landscaping

Measurement for Landscaping shall be lump sum. Lump sum shall include all proposed streetscaping, plantings, and materials as detailed in the landscaping plans and Supplemental Specifications attached to Project Specifications.

Item Nos. 115-120 – Open-Throat Curb Intake Sediment Filter, Maintenance and Removal, Intake Protection, Sediment Control Device, 12-inch, Maintenance and Removal

Measurement for bid items shall be per Iowa DOT Specification 2602.

Item No. 122 – Field Fence, Brace Panels

The Field Fence, Removal and Reinstall shall be per Iowa DOT Specification 2519.

Item No. 124 – Cast Iron Monument Box

Measurement for bid items shall be per each installed.

**13 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 and as further modified by the City of Cedar Falls Supplemental Specifications, except as amended or supplemented as follows:

Items No. 63 – Temporary Pavement

Payment for bid items shall be per Iowa DOT Specification 2304.

Item No. 69 – Brick Pavers, Type 1

Payment for bid item shall be per square yard installed. All required work per detail shown in R2.02 including bars, pavers, sand setting bed, weep holes, concrete base and curb shall be incidental to this bid item.

Item No. 70 – Brick Pavers, Type 2

Payment for bid item shall be per square yard installed. All required work per detail shown in R2.02 including bars, pavers, setting bed, concrete curb shall be incidental to this bid item.

Item No. 76 - Saw Cutting for Removals

Payment for Saw Cutting for Removals for pavement removal shall be per lineal foot.

Items No. 84-86 – Portable Dynamic Message Sign, Flagger, Safety Closure

Payment for bid items shall be per Iowa DOT Specification 2528.

Items No. 87 – Temporary Business Access Signs

Payment for bid items shall be per Iowa DOT Specification 2523.

Item No. 88 – Removal of Concrete Footings

Payment for bid item shall be per each footing removed and includes labor, equipment and materials required to remove lighting footing. Also includes coordination with pole removal by CFU.

Item Nos. 89 –Lighting Poles, Removed and Reinstalled

Payment for bid items shall be per each light removed and reinstalled and includes labor, equipment and materials required to remove lighting pole and footing and reinstallation of lighting pole, footing, wiring, and conduit.

Item Nos. 90 - 95 –Lighting Poles, 33'-6" Metal Pole, Lighting, Up Lights, Electrical Circuits, Electrical Circuits, Pull Rope Only, Handholes and Junction Boxes, and Control Cabinet

Payment for bid items shall be per Iowa DOT Specification 2523.

Items Nos. 96 – 100 – Type A Signs, Sheet Aluminum, Perforated Square Steel Tube Posts, Perforated Square Steel Tube Post Anchor, Break-Away Soil Installation, Removal of Type A Sign Assembly, and Removal & Reinstall of Type B Sign Assembly.

Payment for these bid items shall be in accordance with Section 2524 of the IDOT Standard Specifications.

Item No. 102 - Landscaping

Payment for bid item shall be based on the Schedule of Value submitted at preconstruction conference. Lump sum shall include all proposed streetscaping, plantings, and materials as detailed in the landscaping plans and Supplemental Specifications attached to Project Specifications.

Item Nos. 115-120 – Open-Throat Curb Intake Sediment Filter, Maintenance and Removal, Intake Protection, Sediment Control Device, 12-inch, Maintenance and Removal

Payment shall be paid per Iowa DOT Specification 2602.

Item No. 122 – Field Fence, Brace Panels

Payment shall be paid per Iowa DOT Specification 2519.

Item No. 124 – Cast Iron Monument Box

Payment shall be paid per each installed and shall include providing and setting per contractor specifications. Shop drawing submittal shall be approved by engineer and setting shall be coordinated with the surveyor.

## **DIVISION 3**

### **STANDARD SPECIFICATIONS**

The City of Cedar Falls has adopted the current 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](http://www.cedarfalls.com/designstandards)



## DIVISION 4

### SUPPLEMENTAL PLANS AND SPECIFICATIONS

All work shall be constructed as specified in the Contract documents for the W. 27th Street Reconstruction Project in accordance with the current 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. 7 – Subgrade Preparation, 12 In.

The portion of the subgrade to be covered by the granular subbase shall be scarified for a depth of 6 inches. The scarified material shall be uniformly dried or wetted and re-compacted to not less than 95 percent of standard proctor density as determined in accordance with AASHTO T-99. The price bid for "Subgrade Preparation" shall be full payment for scarification, manipulation and compaction of the material and for furnishing all water required for the work in conformance with the plans and specifications.

Item No. 8 – Subgrade Treatment, Geogrid

Material for bid item shall be Tensar TX-160 or Engineer preapproved equal.

Item No. 9-11 - Subbase, Modified

Material for Modified Subbase shall comply with the Standard Specification, consisting of virgin crushed stone material. Placement and compaction shall comply with the Standard Specification Section.

Item No. 13 – Replacement of Unsuitable Backfill Material

Replacement of Unsuitable Backfill Material shall be natural sand meeting the requirements as per the Standard Specification Gradation No. 32. During sanitary sewer installation, granular backfill is to be utilized, as directed by the Engineer, when unsuitable backfill material is encountered under pavement areas. The price bid per ton shall include removal and disposal of the unsuitable material displaced by the granular backfill.

Item No. 28 – Subdrain Installation, Type S, 6 inch.

Material for field tile and fittings shall be in accordance with Standard Specification for perforated corrugated polyethylene (PE) tubing and fittings.

Items No. 63 – Temporary Pavement

For Temporary PCC pavement, saw cuts for new P.C.C. pavement joints shall meet the requirements of Standard Specification 7010-3.02J2. Early "soft cut saws" are preferred for cutting transverse joints. All other types of saw cuts for new P.C.C. pavement joints shall be wet sawn as per Standard Specification Section. This shall also include removal of wet saw residue on the entire street surface by washing down the street surface after wet sawing.

Standard Specification shall apply for opening the new pavement to General Traffic with the following modification:

"Five (5) calendar days after placing the new P.C.C. pavement, a beam will be broken. With adequate flexural strength, the Contractor will be allowed on the new pavement to seal the pavement joints. The equipment used to seal the pavement joints shall be restricted to the size and weight limitations outlined in the Standard Specifications. General traffic shall be allowed on the new pavement as per the Standard Specifications."

Unless otherwise specified in the contract documents, at the Contractor's option, the time for opening pavement may be determined through the use of the maturity method as described in Standard Specification Section 7010-3.08A and Materials I.M. 383.

For Temporary HMA, up to 10% of unclassified Recycled Asphalt Pavement (RAP) may be incorporated into these bid items. Cold weather protection will be incidental to the bid item and not paid for separately.

Item No. 69 – Brick Pavers, Type 1

All required work per detail shown in R2.02 including bars, pavers, sand setting bed, weep holes, concrete base and curb shall be incidental to this bid item.

Item No. 70 – Brick Pavers, Type 2

All required work per detail shown in R2.02 including bars, pavers, setting bed, concrete curb shall be incidental to this bid item.

Item No. 74 – Removal of Pavement

All saw cutting required for removals shall be full depth and saw cuts shall be paid for separately. Saw cuts required for new pavement joints shall be incidental to the cost per square yard for new pavement.

Items No. 84-86 – Portable Dynamic Message Sign, Flagger, Safety Closure

Specifications for bid items shall be per Iowa DOT Specification 2528.

Items No. 87 – Temporary Business Access Signs

Specifications for bid items shall be per Iowa DOT Specification 2523.

Item No. 89 – Lighting Poles, Removed and Reinstalled

Specifications for bid items shall be per Iowa DOT Specification 2523.

Item Nos. 90 - 95 – Lighting Poles, 33'-6" Metal Pole, Lighting, Up Lights, Electrical Circuits,

Electrical Circuits, Pull Rope Only, Handholes and Junction Boxes, and Control Cabinet  
Specifications for bid items shall be per Iowa DOT Specification 2523.

Item Nos. 96 – 100 – Type A Signs, Sheet Aluminum, Perforated Square Steel Tube Posts, Perforated Square Steel Tube Post Anchor, Break-Away Soil Installation, Removal of Type A Sign Assembly, and Removal & Reinstall of Type B Sign Assembly.

Specifications for bid items shall be per Section 2524 of the IDOT Standard Specifications.

Item No. 102 - Landscaping

Specifications for bid item shall be per Iowa SUDAS Section 9030 and Supplemental Specifications: 329300 – Plant Material, 321416 – Brick Pavers, 321400 – Unit Paving, 047200 – Cast Stone, 044300 – Stone Masonry, and 042200 – Unit Masonry. These are attached to the Project Specifications. Schedule of Values shall be submitted at Preconstruction Conference.

Item Nos. 115-120 – Open-Throat Curb Intake Sediment Filter, Maintenance and Removal, Intake Protection, Sediment Control Device, 12-inch, Maintenance and Removal  
Specifications for bid items shall be per Iowa DOT Specification 2602.

Item No. 122 – Field Fence, Brace Panels

Specifications for bid item shall be per Iowa DOT Specification 2519.

Item No. 124 – Cast Iron Monument Box

Specifications for bid items shall be per manufactures specifications and coordination with placement shall be at the direction of the surveyor.

**SECTION 04 22 00**  
**UNIT MASONRY**

**PART 1 GENERAL**

1.01 SECTION INCLUDES:

- A. Provide unit masonry work as shown and specified. The work includes:
  - 1. Concrete masonry units.
  - 2. Unit masonry accessories.
  - 3. Mortar and grout.

1.02 DEFINITIONS

- A. CMU(s): Concrete masonry unit(s).
- B. Reinforced Masonry: Masonry containing reinforcing steel in grouted cells.

1.03 QUALITY ASSURANCE

- A. Materials and methods of construction shall comply with the following standards:
  - 1. Brick Institute of America, (BIA): Technical Notes on Brick Construction.
  - 2. National Concrete Masonry Association, (NCMA): TEK Bulletins.
  - 3. The American Society for Testing and Materials, (ASTM).
- B. Comply with the applicable requirements of local governing authorities and American National Standards Institute (ANSI) A41.1, Building Code Requirements for Masonry, for the types of unit masonry construction indicated.
- C. Installation: Performed only by skilled masons with satisfactory record of performance on completed projects of comparable size and quality.
- D. Provide each type of masonry unit from one manufacturing source to ensure uniform texture and color.
- E. Do not change source of brands of mortar materials during the course of the work.

1.04 SUBMITTALS

- A. Product Data: For each type of product indicated and accessory required.
- B. Test reports shall include:
  - 1. Compressive strength
  - 2. 24 hour cold water absorption
  - 3. 5 hour boil absorption
  - 4. Saturation coefficient
  - 5. Initial Rate of Absorption (I.R.A.)
  - 6. Efflorescence
  - 7. Weather classification
- C. Certificate of conformance shall state that brick meets or exceeds applicable ASTM specification indicated herein.
- D. Shop Drawings: For the following:
  - 1. Masonry Units: Show sizes, profiles, coursing, and locations of special shapes.
  - 2. Reinforcing Steel: Detail bending and placement of unit masonry reinforcing bars. Comply with ACI 315, "Details and Detailing of Concrete Reinforcement."



## 1.05 DELIVERY, STORAGE, AND HANDLING

- A. Unit masonry materials:
  1. Deliver, store, and handle masonry materials to prevent damage and soiling.
  2. Stack masonry units off the ground on wood pallets or platforms. Exercise particular care in the storage, handling, and installation of masonry units. Exposed masonry is utilized as a "finish material". Do not build soiled or damaged masonry units into the work.
- B. Masonry accessories: Deliver, store, and handle masonry accessories to prevent weather damage and deterioration.
- C. Mortar materials:
  1. Deliver cement, lime, and admixture materials in manufacturer's unopened and undamaged containers with labels intact and legible. Store materials off the ground, under cover, and protect from weather damage and deterioration.
  2. Stockpile and handle aggregates to prevent mixing with foreign materials

## 1.06 PROJECT CONDITIONS

- A. Do not use metal accessories with loose rust or other coatings, including ice, which will reduce bond.
- B. Protect partially-complete masonry work against weather damage and moisture, when work is not in progress. Cover tops of walls with strong, waterproof, non-sustaining membrane. Extend membrane at least 2'-0" down both sides of walls and hold securely in place.
- C. Brace unsupported and newly-laid masonry walls. Maintain bracing in place until walls reach design strength.
- D. Cold weather construction:
  1. Precondition masonry materials to maintain minimum 50-degree F. temperatures when installed.
  2. Protect masonry from freezing when the temperature of the outside air is 40 degrees F. and falling. Heat materials and provide temporary protection of completed portions of masonry work. Comply with BIA "Construction and Protection Recommendations for Cold Weather Masonry Construction" and NCMA "TEK Bulletin No. 16A".
  3. No masonry work will be permitted when outside air temperature is below 25 degrees F.
  4. Do not use frozen materials or materials mixed or coated with ice or frost.
  5. Do not build on frozen work. Remove and replace masonry work damaged by frost or freezing.
  6. Do not use anti-freeze or calcium chloride in any mortar.
  7. Protect completed masonry work against freezing for not less than four days after laying.
- E. Protect ledges and projections from mortar droppings. Remove excess mortar and stains as work progresses.
- F. Protect adjacent work from damage, soiling, and staining during masonry work operations.

## PART 2– PRODUCTS

### 2.01 MASONRY UNITS, GENERAL

- A. Defective Units: Referenced masonry unit standards may allow a certain percentage of units to contain chips, cracks, or other defects exceeding limits stated in the standard. Do not use units where such defects will be exposed in the completed Work.

### 2.02 CONCRETE MASONRY UNITS

- A. Regional Materials: CMUs shall be manufactured within 500 miles of Project site from aggregates and cement that have been extracted, harvested, or recovered, as well as manufactured, within 500 miles of Project site.

B. Shapes: Provide shapes indicated on drawings

### 2.03 MASONRY ACCESSORIES

A. Horizontal joint reinforcement: Welded truss type with deformed continuous side rods and plain cross rods. Prefabricate in lengths not less than 10'-0" with matching corners and tee units. Unit width of 1 1/2" to 2" less than wall thickness.

1. Multiple wythe masonry: Single 9 gage side rods; 9 gage cross rods.
2. Finish: 1.5 ounce hot-dip galvanized finish.

B. Reinforcing bars: ASTM A615, Grade 60, new domestic deformed steel bars of sizes indicated.

C. Cleaning agents: Commercial cleaning solutions which will not harm masonry or adjacent materials and is acceptable to the masonry manufacturer. Muriatic acid is not acceptable as a cleaning agent.

### 2.04 UNIT MASONRY MORTAR AND GROUT MIXES

A. Regional Materials: Aggregate for mortar and grout shall be extracted, harvested, or recovered, as well as manufactured, within 500 miles of Project site.

B. Type M mortar: ASTM C270 proportions by volume. Minimum average compressive strength at 28 days of 2,500 psi, either:

1. 1 part Portland cement, 1/4 part hydrated lime, not less than 2 1/4 and not more than 3 times the sum of the volumes of cement used of damp, loose sand.

C. Coarse grout: ASTM C476 proportions by volume. Minimum average compressive strength at 28 days of 2,500 psi:

1. 1 part Portland cement, 0 to 1/10 part hydrated lime, not less than 1 and not more than 2 times the volume of cement used of damp, loose coarse aggregate.

D. Measure and batch material either by volume or weight. Use accurate measuring devices to ensure uniformity and coloration of mix. Shovel count measurement of sand is not acceptable.

E. Mix cementitious material and aggregate in a clean mechanical mixer for at least 5 minutes. Add water in amount to provide satisfactory workable consistency of mortar.

F. Proportion colored mortar pigment with other ingredients to match the approved samples.

G. Retemper mortar as required within 2 hours of mixing to replace water lost by evaporation. Use and place mortar in final position within 2 1/2 hours of the initial mixing. Discard mortar after 2 1/2 hours of the initial mixing.

## PART 3 EXECUTION

### 3.01 INSPECTION

A. Examine substrates and installation conditions. Do not start unit masonry work until unsatisfactory conditions are corrected.

### 3.02 PREPARATION

A. Establish lines, levels, and coursing.

B. Wet brick having ASTM C67 absorption rates greater than 0.025 oz. per sq. in. per minute. Use wet-ting methods which ensure that each masonry unit is nearly saturated but surface dry when laid. During freezing weather, comply with the recommendations of the BIA for wetting.

C. Except for absorbent units specified to be wetted, lay masonry units dry. Do not wet concrete masonry units.

### 3.03 INSTALLATION

- A. Install Bricks with 3/8" joints as shown in the drawings.
- B. Build masonry construction to the full thickness indicated. Build single-wythe walls to the actual thickness of the masonry units, using units of nominal thickness.
- C. Cut masonry units with masonry saws to provide clean, sharp, unchipped edges. Cut units as required to provide pattern shown and to fit adjoining work. Where cutting is required, use the largest size units possible. Provide 100% solid units where webs would be exposed.
- D. Layout walls in advance for accurate spacing of surface bond patterns, with uniform joint widths, and to properly locate openings, movement-type joints, returns, and offsets.
- E. Lay masonry plumb and true. Provide corners and angles square, with courses level, accurately spaced, and coordinated with other work. Use double lines at multiple wythe walls.
- F. Pattern bond: Lay exposed masonry in running bond with vertical joint in each course centered on units in courses above and below. Bond and interlock each course of each wythe at corners. Do not use units with less than 4" of horizontal face dimensions at corners or jambs.
- G. Lay face brick and other solid masonry units with completely filled bed and head joints. Butter ends with sufficient mortar to fill head joints and shove into place. Do not slush head joints.
- H. Compress and cut joints flush for masonry walls which are to be concealed or to be covered by other materials.
- I. Tool joints in all exposed masonry work to a concave joint.
- J. Remove masonry units disturbed after laying; clean and reset in fresh mortar.
- K. Step back unfinished work for joining new work. Rake back 1/2 unit length in each course; do not tooth. Clean exposed surfaces and remove loose masonry units and mortar prior to laying fresh masonry.
- L. Provide interlocking masonry bond in each course at corners and intersecting walls.
- M. As the work progresses, build in items furnished by other trades. Fill in solidly with masonry around built-in items.
  - 1. Where built-in items are to be embedded in cores of hollow masonry units, please a layer of metal lath in the joints below and rod grout into core.
  - 2. Provide solid masonry bearing for all load-bearing members. Provide solid masonry units or hollow units filled solid.
  - 3. Take particular care to embed conduits and pipes within concrete masonry without fracturing ex-posed shells. Where electric conduit, outlets, switch boxes, and similar items occur, grind, and cut units before building in services.
  - 4. Install reinforcing steel and grout where indicated. Comply with drawing details for reinforcing steel size, spacing, and grouting.
- N. Horizontal joint reinforcing: Provide continuous joint reinforcing as indicated.
  - 1. Lap reinforcement where sections but into each other.
  - 2. Fully embed side rods in mortar.

### 3.04 CLEANING

- A. Remove and replace masonry units that are loose, chipped, broken, stained, or otherwise damaged or that do not match adjoining units. Install new units to match adjoining units; install in fresh mortar, pointed to eliminate evidence of replacement.

- B. Pointing: During the tooling of joints, enlarge voids and holes, except weep holes, and completely fill with mortar. Point up joints, including corners, openings, and adjacent construction, to provide a neat, uniform appearance. Prepare joints for sealant application, where indicated.
- C. In-Progress Cleaning: Clean unit masonry as work progresses by dry brushing to remove mortar fins and smears before tooling joints.
- D. Final Cleaning: After mortar is thoroughly set and cured, clean exposed masonry as follows:
1. Remove large mortar particles by hand with wooden paddles and nonmetallic scrape hoes or chisels.
  2. Test cleaning methods on sample wall panel; leave one-half of panel uncleaned for comparison purposes. Obtain Architect's approval of sample cleaning before proceeding with cleaning of masonry. Before applying any cleaning agent to the entire area, clean a sample area of approximately 20 sq. ft. in a location acceptable to the Landscape Architect. Do not proceed with cleaning until the sample area has been approved.  
Damage
  3. Protect adjacent stone and non-masonry surfaces from contact with cleaner by covering them with liquid strippable masking agent or polyethylene film and waterproof masking tape.
  4. Wet wall surfaces with water before applying cleaners; remove cleaners promptly by rinsing surfaces thoroughly with clear water.
  5. Clean brick by bucket-and-brush hand-cleaning method described in BIA Technical Notes 20.
  6. Clean masonry with a proprietary acidic cleaner applied according to manufacturer's written instructions.
  7. Clean concrete masonry by cleaning method indicated in NCMA TEK 8-2A applicable to type of stain on exposed surfaces.
  8. Clean stone trim to comply with stone supplier's written instructions.
  9. Clean limestone units to comply with recommendations in ILI's "Indiana Limestone Handbook."
- E. Acid cleaning of masonry not permitted. Install and protect installed masonry so that acid cleaning is not required at completion of work.
- F. Upon completion of work, remove from site all excess materials, debris, tools, and equipment. Repair damage resulting from unit masonry work operations.

### 3.05 MASONRY WASTE DISPOSAL

- A. Salvageable Materials: Unless otherwise indicated, excess masonry materials are Contractor's property. At completion of unit masonry work, remove from Project site.
- B. Excess Masonry Waste: Remove excess clean masonry waste and other masonry waste and legally dispose of off Owner's property.

**END OF SECTION**

**SECTION 04 43 00**  
**STONE MASONRY**

**PART 1 GENERAL**

1.01 SECTION INCLUDES:

- A. Provide unit masonry work as shown and specified. The work includes:
  - 1. Stone masonry

1.02 DEFINITIONS

- A. CMU(s): Concrete masonry unit(s).
- B. Reinforced Masonry: Masonry containing reinforcing steel in grouted cells.

1.03 QUALITY ASSURANCE

- A. Materials and methods of construction shall comply with the following standards and association recommendations:
  - 1. American Society for Testing and Materials, (ASTM).
- B. Comply with the applicable requirements of local governing authorities and American National Standards Institute (ANSI) A41.1, Building Code Requirements for Masonry, for the types of stone masonry construction indicated.
- C. Source Limitations for Stone: Obtain stone units through one source from a single manufacturer.
- D. Source Limitations for Mortar Materials: Obtain mortar ingredients of a uniform quality, including color, from one manufacturer for each cementitious component and from one source or producer for each aggregate.
- E. Installation: Performed only by experienced masons with satisfactory record of performance on complete projects of comparable size and quality.
- F. Provide each type of material from only one quarry or manufacturer to ensure consistent color range and texture.

1.04 SUBMITTALS

- A. Submit manufacturer's product data for each type of stone and accessory required.
- B. Submit cutting and setting drawings for cut and cast stone work showing dimensions and arrangement.
- C. Submit samples of each type and color of stone required. Include the full range of exposed color and texture proposed for the work. Provide cut stone samples not less than 12" x 12" in size. Final approval of all colors must be obtained prior to any fabrication beginning.
- D. Provide 4'x4' mock-up panel to remain on site during construction.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Stone masonry materials: Deliver, store, and handle materials in accordance with stone fabricators recommendations. Use non-staining materials for blocking and packing. Stack materials off the ground on non-staining skids. Protect from damage and soiling. Coordinate delivery of materials to minimize the need for on-site storage and to avoid delaying the Work.



- B. Pack, handle, and ship stone units in suitable packs or pallets.
- C. Lift with wide-belt slings; do not use wire rope or ropes that might cause staining. Move stone units, if required, using dollies with wood supports.
- D. Store stone units on wood skids or pallets with non-staining, waterproof covers. Arrange to distribute weight evenly and to prevent damage to units. Ventilate under covers to prevent condensation.
- E. Masonry accessories: Deliver, store, and handle masonry accessories to prevent weather damage and deterioration.

## 1.06 PROJECT CONDITIONS

- A. Do not use metal accessories with loose coatings, including ice, which will reduce bond.
- B. Protect partially completed stone masonry work against weather damage and moisture when work is not in progress. Cover tops of walls with strong, waterproof, non-staining membrane. Extend membrane at least 2'-0" down both sides of walls and hold securely in place.
- C. Brace unsupported and newly laid masonry walls. Maintain bracing in place until walls reach design strength.
- D. Cold weather construction:
  1. Precondition masonry materials to maintain 50 degrees F. when installed.
  2. Do not install stone masonry work when the temperature of the outside air is below 40 degrees F. and falling unless suitable means acceptable to the Landscape Architect are provided to protect work from cold and frost and ensure that mortar will set without freezing. Comply with International Masonry Industry All-Weather Council cold weather construction and protection recommendations.
  3. No masonry work will be permitted when outside air temperature is below 25 degrees F.
  4. Do not use frozen materials or materials mixed or coated with ice or frost.
  5. Do not build on frozen work. Remove and replace masonry work damaged by frost or freezing.
  6. Protect completed masonry work against freezing for not less than four days after laying.
- E. Protect adjacent work from damage, soiling, and staining during masonry work operations.

## PART 2- PRODUCTS

### 2.01 CUT STONE MATERIALS

- A. Stone Veneer: 4" thick, Random Split-face, Anamosa Limestone. Weber Stone Company, Anamosa, Iowa 52205. (319) 462-3581.
- B. Provide sound stone uniform in color and texture, free from mineral stains, other foreign matter, and defects detrimental to appearance and durability. Color range, texture, and finish of cut stone materials shall be within range of Landscape Architect's accepted samples.

C. Embedded Anchors and Other Inserts: Fabricated from stainless steel complying with ASTM A 240/A 240M, ASTM A 276.

## 2.02 CUT STONE FABRICATION:

A. Fabricate stonework as indicated or as accepted and detailed on final shop drawings.

B. Fabrication Tolerances:

1. Variation in Cross Section: Do not vary from indicated dimensions by more than **1/8 inch (3 mm)**.
2. Variation in Length: Do not vary from indicated dimensions by more than 1/360 of the length of unit or **1/8 inch (3 mm)**, whichever is greater, but in no case by more than **1/4 inch (6 mm)**.
3. Warp, Bow, and Twist: Not to exceed 1/360 of the length of unit or **1/8 inch (3 mm)**, whichever is greater.

C. Location of Grooves, False Joints, Holes, Anchorages, and Similar Features: Do not vary from indicated position by more than **1/8 inch (3 mm)** on formed surfaces of units and **3/8 inch (10 mm)** on un-formed surfaces

D. Cut accurately to shape and dimensions indicated or accepted final shop drawings.

1. Dress joints, bed, and vertical, straight at 90-degree angle to face. Provide drips and washes as indicated.
2. Joint width: Cut to allow uniform 1/4" wide joints unless previously stated otherwise.
3. Thickness: Provide thickness indicated.
4. Jointing: Provide as indicated; when not indicated, in accordance with industry standards and practices.

## 2.03 MORTAR MATERIALS

A. Portland cement: ASTM C150, Type I, natural color.

B. Masonry cement: ASTM C91.

C. Hydrated lime: ASTM C207, Type S.

D. Aggregate:

1. Masonry mortar: ASTM C144, clean masonry sand, not over 10% to pass #100 sieve.
2. Masonry grout: ASTM C404, clean pea gravel, maximum 3/8" size.

E. Water: Clean, fresh, and potable.

F. Colored mortar pigment: Lime-proof and alkali-proof mineral oxide pigments. Color as indicated on drawings. Submit color samples with shop drawings.

## 2.04 MORTAR AND GROUT MIXES

- A. Type N mortar: ASTM C270 proportions by volume. Minimum average compressive strength at 28 days of 2,500 psi, either:
  - 1. 1-part Portland cement, 1/4-part hydrated lime, not less than 2 1/4 and not more than 3 times the sum of the volumes of cement used of damp, loose sand.
- B. Coarse grout: ASTM C476 proportions by volume. Minimum average compressive strength at 28 days of 2,500 psi:
  - 1. 1-part Portland cement, 0 to 1/10-part hydrated lime, not less than 1 and not more than 2 times the volume of cement used of damp, loose coarse aggregate.
- C. Measure and batch material either by volume or weight. Use accurate measuring devices to ensure uniformity and coloration of mix. Shovel count measurement of sand is not acceptable.
- D. Mix cementitious material and aggregate in a clean mechanical mixer for at least 5 minutes. Add water in amount to provide satisfactory workable consistency of mortar.
- E. Proportion colored mortar pigment with other ingredients to match the approved samples.
- F. Retemper mortar as required within 2 hours of mixing to replace water lost by evaporation. Use and place mortar in final position within 2 1/2 hours of the initial mixing. Discard mortar after 2 1/2 hours of the initial mixing.

## 2.05 ACCESSORIES

- A. Anchors: Type and size indicated, fabricated from stainless steel complying with ASTM A 240/A 240M, ASTM A 276, or ASTM A 666, Type 304.
- B. Dowels: Round stainless-steel bars complying with ASTM A 276, Type 304, and 1/2-inch (12-mm) diameter.

## PART 3- EXECUTION

### 3.01 INSPECTION

- A. Examine substrates and installation conditions. Do not start stone masonry work until unsatisfactory conditions are corrected.

### 3.02 PREPARATION

- A. Establish lines, levels, and coursing.
  - 1. Clean cut stonework before setting by thoroughly scrubbing with fiber bristle brushes and clean water. Drench stone with clean water just prior to setting.
- B. Do not use masonry units with chips, cracks, voids, stains, or other visible defects.
- C. Excavation
  - 1. Contractor shall excavate to the lines and grades shown on the project grading plans.
  - 2. Contractor shall take precautions to minimize over-excavation. Over-excavation shall be filled with compacted infill material, or as directed by the Landscape Architect, at the Contractor's expense

3. Contractor shall verify location of existing structures and utilities prior to excavation.
4. Contractor shall ensure all surrounding structures are protected from the effects of wall excavation. Excavation support, if required, is the responsibility of the Contractor.

#### D. Foundation Preparation

1. Following the excavation, the foundation soil shall be examined by the Owner's Engineer to assure actual foundation soil strength meets or exceeds the assumed design bearing strength. Soils not meeting the required strength shall be removed and replaced with infill soils, as directed by the Owner's Engineer.
2. Foundation soil shall be proof rolled and compacted to 95% standard Proctor density and inspected by the Owner's Engineer prior to placement of leveling pad materials.

#### E. Leveling Pad Construction

1. Leveling pad shall be placed as shown on the plans. The leveling pad should extend laterally at least a distance of 6 inches from the toe and heel of the lower most masonry unit.
2. Granular leveling pad material shall be compacted to provide a firm, level bearing surface on which to place the first course of units. Well-graded sand can be used to smooth the top 1/2 to 1/4 inch of the leveling pad. Compaction will be with mechanical plate compactors to achieve 95% of maximum standard Proctor density (ASTM D 698).

### 3.03 INSTALLATION OF CUT STONE

- A. Set stone in accordance with drawing details and final shop drawings for stonework. Provide anchors, supports, and other attachments shown, or necessary to secure stonework in place. Shim and adjust accessories as required for proper setting of stone.
- B. Erect cut stonework plumb and true with joints uniform in width and accurately aligned.

### 3.04 CLEANING

- A. Remove and replace stone units which are loose, broken, stained, or otherwise damaged. Provide new matching units, install as specified.
- B. Clean stonework not less than six days after completion of work, using clean water and stiff-bristle brushes. Do not use wire brushes, acid type cleaning agents or other cleaning compounds with caustic or harsh fillers.
- C. Cleaning agents and methods shall be acceptable to the Landscape Architect.
- D. Upon completion of the work, remove from site all excess materials, debris, tools, and equipment. Re- pair damage resulting from stone masonry work operations.

**END OF SECTION**

**SECTION 04 72 00**  
**CAST STONE**

**PART 1 GENERAL**

1.01 RELATED DOCUMENTS

- A. Drawings and General Provisions of Contract, including General and Supplementary Conditions, apply to work specified in this Section.
- B. SUDAS Standard Specifications
  - 1. Division 2: Earthwork
  - 2. Division 7: Streets and Related Work
  - 3. Division 9: Site Work and Landscape
    - (a) Section 9010: Seeding
    - (b) Section 9040: Erosion and Sediment Control

1.02 DEFINITIONS

- A. Cast Stone: Architectural precast concrete building units intended to simulate natural cut stone.

1.03 SUBMITTALS

- A. Product Data: Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for cast stone units.
- B. Shop Drawings: Show fabrication and installation details for cast stone units. Include dimensions, details of reinforcement and anchorages if any, and indication of finished faces.
  - 1. Include wall elevations showing layout of units and locations of joints and anchors.
- C. Samples for Initial Selection: For colored mortar.
- D. Samples for Verification:
  - 1. For each color and texture of cast stone required, 10 inches square in size.
  - 2. For colored mortar. Make Samples using same sand and mortar ingredients to be used on Project.
- E. Qualification Data: For manufacturer.
- F. Include copies of material test reports for completed projects, indicating compliance of cast stone with ASTM C 1364.
- G. Material Test Reports: For each mix required to produce cast stone, based on testing according to ASTM C 1364.
  - 1. Provide test reports based on testing within previous two years.

1.04 QUALITY ASSURANCE

- A. Manufacturer Qualifications: A qualified manufacturer of cast stone units similar to those indicated for this Project, with sufficient production capacity to manufacture required units.
  - 1. Manufacturer is a producing member of the Cast Stone Institute.
- B. Testing Agency Qualifications: An independent testing agency qualified according to ASTM E 329 for testing indicated, as documented according to ASTM E 548.



- C. Source Limitations for Cast Stone: Obtain cast stone units through one source from a single manufacturer.
- D. Source Limitations for Mortar Materials: Obtain mortar ingredients of a uniform quality, including color, from one manufacturer for each cementitious component and from one source or producer for each aggregate.

#### 1.05 DELIVERY, STORAGE, AND HANDLING

- A. Coordinate delivery of cast stone to minimize the need for on-site storage and to avoid delaying the Work.
- B. Pack, handle, and ship cast stone units in suitable packs or pallets.
  - 1. Lift with wide-belt slings; do not use wire rope or ropes that might cause staining. Move cast stone units, if required, using dollies with wood supports.
  - 2. Store cast stone units on wood skids or pallets with nonstaining, waterproof covers. Arrange to distribute weight evenly and to prevent damage to units. Ventilate under covers to prevent condensation.
- C. Store installation materials on elevated platforms, under cover, and in a dry location.
- D. Store mortar aggregates where grading and other required characteristics can be maintained and contamination can be avoided.

#### 1.06 PROJECT CONDITIONS

- A. Cold-Weather Requirements: Do not use frozen materials or materials mixed or coated with ice or frost. Do not build on frozen substrates. Comply with cold-weather construction requirements contained in ACI 530.1/ASCE 6/TMS 602.
  - 1. Cold-Weather Cleaning: Use liquid cleaning methods only when air temperature is 40 deg F and above and will remain so until cast stone has dried, but not less than 7 days after completing cleaning.
- B. Hot-Weather Requirements: Comply with hot-weather construction requirements contained in ACI 530.1/ASCE 6/TMS 602.

## PART 2 - PRODUCTS

### 2.01 MANUFACTURERS

- A. In other Part 2 articles where titles below introduce lists, the following requirements apply to product selection:
  - 1. Available Products: Subject to compliance with requirements, products that may be incorporated into the Work include, but are not limited to, products specified.
  - 2. Products: Subject to compliance with requirements, provide one of the products specified.
  - 3. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, manufacturers specified.
  - 4. Manufacturers: Subject to compliance with requirements, provide products by one of the manufacturers specified.

### 2.02 CAST STONE MATERIALS

- A. General: Comply with ASTM C 1364 and the following:
- B. Portland Cement: ASTM C 150, Type I, containing not more than 0.60 percent total alkali when tested according to ASTM C 114.

- C. Coarse Aggregates: Granite, quartz, or limestone complying with ASTM C 33; gradation as needed to produce required textures and colors as needed to produce required cast stone colors.
- D. Fine Aggregates: Natural sand or crushed stone complying with ASTM C 33, gradation as needed to produce required textures and colors as needed to produce required cast stone colors.
- E. Color Pigment: ASTM C 979, synthetic mineral-oxide pigments or colored water-reducing admixtures; color stable, free of carbon black, nonfading, and resistant to lime and other alkalis.
- F. Admixtures: Do not use admixtures unless specified or approved in writing by Landscape Architect.
  - 1. Do not use admixtures that contain more than 0.1 percent water-soluble chloride ions by mass of cementitious materials. Do not use admixtures containing calcium chloride.
  - 2. Use only admixtures that are certified by manufacturer to be compatible with cement and other admixtures used.
  - 3. Air-Entraining Admixture: ASTM C 260.
  - 4. Water-Reducing Admixture: ASTM C 494/C 494M, Type A.
  - 5. Water-Reducing, Retarding Admixture: ASTM C 494/C 494M, Type D.
  - 6. Water-Reducing, Accelerating Admixture: ASTM C 494/C 494M, Type E.
- G. Reinforcement: Deformed steel bars complying with ASTM A 615/A 615M. Use galvanized or epoxy-coated reinforcement when covered with less than 1-1/2 inches of cast stone material.
  - 1. Epoxy Coating: ASTM A 775/A 775M.
  - 2. Galvanized Coating: ASTM A 767/A 767M.
- H. Embedded Anchors and Other Inserts: Fabricated from stainless steel complying with ASTM A 240/A 240M, ASTM A 276, or ASTM A 666, Type 304.

## 2.03 CAST STONE UNITS

- A. Provide cast stone units complying with ASTM C 1364 using the vibrant dry tamp or wet-cast method.
  - 1. Provide units that are resistant to freezing and thawing as determined by laboratory testing according to ASTM C 666, Procedure A, as modified by ASTM C 1364.
- B. Fabricate units with sharp arris and details accurately reproduced with indicated texture on all exposed surfaces, unless otherwise indicated.
  - 1. Slope exposed horizontal surfaces 1:12, unless otherwise indicated.
  - 2. Provide raised fillets at backs of sills and at ends indicated to be built into jambs.
  - 3. Provide drips on projecting elements, unless otherwise indicated.
- C. Fabrication Tolerances:
  - 1. Variation in Cross Section: Do not vary from indicated dimensions by more than 1/8 inch.
  - 2. Variation in Length: Do not vary from indicated dimensions by more than 1/360 of the length of unit or 1/8 inch, whichever is greater, but in no case by more than 1/4 inch.
  - 3. Warp, Bow, and Twist: Not to exceed 1/360 of the length of unit or 1/8 inch, whichever is greater.
  - 4. Location of Grooves, False Joints, Holes, Anchorages, and Similar Features: Do not vary from indicated position by more than 1/8 inch on formed surfaces of units and 3/8 inch on unformed surfaces.
- D. Cure units by one of the following methods:
  - 1. Cure units with steam in enclosed curing room at temperature of 105 deg F or above and 95 to 100 percent relative humidity for 6 hours.
  - 2. Cure units with dense fog and water spray in enclosed warm curing room at 95 to 100 percent relative humidity for 24 hours.
  - 3. Cure units to comply with one of the following:
    - (a) Not less than 5 days at mean daily temperature of 70 deg F or above.
    - (b) Not less than 6 days at mean daily temperature of 60 deg F or above.

- (c) Not less than 7 days at mean daily temperature of 50 deg F or above.
- (d) Not less than 8 days at mean daily temperature of 45 deg F or above.
- E. Acid etch units after curing to remove cement film from surfaces to be exposed to view.
- F. Colors and Textures: Match Architect's sample. Basis-of-Design color selection is Edwards Cast Stone Company, Color 60-128.
- G. Color and Texture: Provide units with fine-grained texture and buff color resembling Indiana limestone.

#### 2.04 MORTAR MATERIALS

- A. Provide mortar materials that comply with Division 04 Section "Unit Masonry."
- B. Portland Cement: ASTM C 150, Type I or II, except Type III may be used for cold-weather construction. Provide natural color or white cement as required to produce mortar color indicated.
- C. Hydrated Lime: ASTM C 207, Type S.
- D. Portland Cement-Lime Mix: Packaged blend of Portland cement complying with ASTM C 150, Type I or Type III, and hydrated lime complying with ASTM C 207, Type S.
- E. Masonry Cement: ASTM C 91.
- F. Mortar Cement: ASTM C 1329.
- G. Mortar Pigments: Natural and synthetic iron oxides and chromium oxides, compounded for use in mortar mixes. Use only pigments with a record of satisfactory performance in masonry mortar.
- H. Colored Cement Product: Packaged blend made from Portland cement and lime, masonry cement, or mortar cement and mortar pigments, all complying with specified requirements and containing no other ingredients.
  - 1. Formulate blend as required to produce color indicated or, if not indicated, as selected from manufacturer's standard colors.
  - 2. Pigments shall not exceed 10 percent of Portland cement by weight.
  - 3. Pigments shall not exceed 5 percent of masonry cement or mortar cement by weight.
- I. Aggregate for Mortar: ASTM C 144.
  - 1. For mortar that is exposed to view, use washed aggregate consisting of natural sand or crushed stone.
  - 2. For joints less than 1/4 inch thick, use aggregate graded with 100 percent passing the No. 16 sieve.
  - 3. White-Mortar Aggregates: Natural white sand or crushed white stone.
  - 4. Colored-Mortar Aggregates: Natural sand or crushed stone of color necessary to produce required mortar color.
- J. Water: Potable.

#### 2.05 MORTAR MIXES

- A. Do not use admixtures, including pigments, air-entraining agents, accelerators, retarders, water-repellent agents, antifreeze compounds, or other admixtures, unless otherwise indicated.
  - 1. Do not use calcium chloride in mortar.
  - 2. Limit cementitious materials in mortar to Portland cement, mortar cement, and lime.
- B. Comply with ASTM C 270, Proportion Specification.
- C. Colored-Aggregate Mortar: Produce required mortar color by using colored aggregates and natural color or white cement as necessary to produce required mortar color.

1. Mix to match Landscape Architect's sample.

## 2.06 SOURCE QUALITY CONTROL

- A. Employ an independent testing agency to sample and test cast stone units according to ASTM C 1364.
  1. Include one test for resistance to freezing and thawing.

## PART 3 - EXECUTION

### 3.01 EXAMINATION

- A. Examine substrates and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of cast stone.
  1. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.02 SETTING CAST STONE IN MORTAR

- A. Install cast stone units to comply with requirements in Division 04 Section "Unit Masonry."
- B. Set cast stone as indicated on Drawings. Set units accurately in locations indicated with edges and faces aligned according to established relationships and indicated tolerances.
  1. Install anchors, supports, fasteners, and other attachments indicated or necessary to secure units in place.
- C. Wet joint surfaces thoroughly before applying mortar or setting in mortar.
- D. Set units in fullbed of mortar with full head joints, unless otherwise indicated.
  1. If not indicated, set units with joints 1/4 to 3/8 inch wide.
  2. Build anchors and ties into mortar joints as units are set.
  3. Fill dowel holes and anchor slots with mortar.
  4. Fill collar joints solid as units are set.
  5. Build concealed flashing into mortar joints as units are set.
  6. Keep head joints in coping and other units with exposed horizontal surfaces open to receive sealant.
  7. Keep joints at shelf angles open to receive sealant.
- E. Rake out joints for pointing with mortar to depths of not less than 3/4 inch. Rake joints to uniform depths with square bottoms and clean sides. Scrub faces of units to remove excess mortar as joints are raked.
- F. Point mortar joints by placing and compacting mortar in layers not greater than 3/8 inch. Compact each layer thoroughly and allow it to become thumbprint hard before applying next layer.
- G. Tool exposed joints slightly concave when thumbprint hard, using a jointer larger than joint thickness, unless otherwise indicated.
- H. Provide expansion, control, and pressure-relieving joints of widths and at locations indicated. Keep joints free of mortar and other rigid materials.
  1. Form open joint of width indicated, but not less than 3/8 inch.
- I. Prepare joints indicated to receive sealant and apply sealant of type and at locations indicated to comply with applicable requirements in Division 07 Section "Joint Sealants."

1. Prime cast stone surfaces to receive sealant and install compressible backer rod in joints before applying sealant, unless otherwise indicated.

### 3.03 SETTING ANCHORED CAST STONE WITH SEALANT-FILLED JOINTS

- A. Set cast stone as indicated on Drawings. Set units accurately in locations indicated with edges and faces aligned according to established relationships and indicated tolerances.
  1. Install anchors, supports, fasteners, and other attachments indicated or necessary to secure units in place.
  2. Shim and adjust anchors, supports, and accessories to set cast stone in locations indicated with uniform joints.
- B. Keep cavities open where unfilled space is indicated between back of cast stone units and backup wall; do not fill cavities with mortar or grout.
- C. Fill anchor holes with sealant.
  1. Where dowel holes occur at pressure-relieving joints, provide compressible material at ends of dowels.
- D. Set cast stone supported on clip or continuous angles on resilient setting shims. Use material of thickness required to maintain uniform joint widths. Hold shims back from face of cast stone a distance at least equal to width of joint.
- E. Keep joints free of mortar and other rigid materials. Remove temporary shims and spacers from joints after anchors and supports are secured in place and cast stone units are anchored. Do not begin sealant installation until temporary shims and spacers are removed.
  1. Form open joint of width indicated, but not less than 3/8 inch.
- F. Prepare joints and apply sealant of type and at locations indicated to comply with applicable requirements in Division 07 Section "Joint Sealants."
  1. Prime cast stone surfaces to receive sealant and install compressible backer rod in joints before applying sealant, unless otherwise indicated.

### 3.04 INSTALLATION TOLERANCES

- A. Variation from Plumb: Do not exceed 1/8 inch in 10 feet.
- B. Variation from Level: Do not exceed 1/8 inch in 10 feet.
- C. Variation in Joint Width: Do not vary joint thickness more than 1/8 inch in 36 inches or one-fourth of nominal joint width, whichever is less.
- D. Variation in Plane between Adjacent Surfaces (Lipping): Do not vary from flush alignment with adjacent units or adjacent surfaces indicated to be flush with units by more than 1/16 inch, except due to warpage of units within tolerances specified.

### 3.05 ADJUSTING AND CLEANING

- A. Remove and replace stained and otherwise damaged units and units not matching approved Samples. Cast stone may be repaired if methods and results are approved by Architect.
- B. Replace units in a manner that results in cast stone matching approved Samples, complying with other requirements, and showing no evidence of replacement.
- C. In-Progress Cleaning: Clean cast stone as work progresses.
  1. Remove mortar fins and smears before tooling joints.
  2. Remove excess sealant immediately, including spills, smears, and spatter.
- D. Final Cleaning: After mortar is thoroughly set and cured, clean exposed cast stone as follows:



1. Remove large mortar particles by hand with wooden paddles and nonmetallic scrape hoes or chisels.
2. Test cleaning methods on sample; leave one sample uncleaned for comparison purposes. Obtain Architect's approval of sample cleaning before proceeding with cleaning of cast stone.
3. Protect adjacent surfaces from contact with cleaner by covering them with liquid strippable masking agent or polyethylene film and waterproof masking tape.
4. Wet surfaces with water before applying cleaners; remove cleaners promptly by rinsing thoroughly with clear water.
5. Clean cast stone by bucket-and-brush hand-cleaning method described in BIA Technical Notes No. 20.
6. Clean cast stone with proprietary acidic cleaner applied according to manufacturer's written instructions.

### 3.06 SITE PREPARATION (CONCRETE BASE)

- A. Clean all concrete base areas in preparation for paver installation.
- B. Install weep holes as specified on the drawings. Drill 2-3" diameter hole and fill with pea gravel (IDOT Gradation #29 or approved equal). Install holes at a minimum 10' on center and at all low points of concrete base.
- C. Geotextile: Install geotextile where indicated on Contract Drawings. Overlap ends and edges a minimum of 12 inches (300 mm.) and weep holes a minimum of 6 inches.
- D. Before commencing the placing of the sand bedding course and the placement of the brick pavers, the base shall be inspected by the Owner or the Consultant.

**END OF SECTION**

**SECTION 32 14 00****UNIT PAVING****PART 1 GENERAL**

## 1.01 RELATED DOCUMENTS

Drawings and General Provisions of Contract, including Bidding Requirements, General and Supplementary Conditions and Division I Specification Sections, apply to work specified in this Section.

## 1.02 DESCRIPTION OF WORK

Provide all labor, materials, equipment and supervision required to furnish and install concrete pavers.

## 1.03 RELATED WORK SPECIFIED ELSEWHERE

A. Division 2 Streets and Related Work: SUDAS Standard Specifications.

## 1.04 SUBMITTALS

- A. Paver manufacturer's material test data certifying pavers comply with specification.
- B. Paver sample, one of each specified color.

## 1.05 CODES, PERMITS, AND FEES

- A. Obtain any necessary permits for this Section of Work and pay any fees required for permits.
- B. The entire installation shall fully comply with all local and state laws and ordinances, and with all established codes applicable thereto.

## 1.06 SITE DISTURBANCES

- A. Take precautions to ensure that equipment and vehicles do not disturb or damage existing site grading, walks, drives, utilities, plants, etc.
- B. Verify locations and depths of all underground utilities prior to excavation.
- C. Repair and/or return to original condition any damage caused by Contractor's negligence at no cost to Owner.
- D. Provide temporary barricades and warning lights as required for protection of project work and public safety.

**PART 2 PRODUCTS**

## 2.01 CONCRETE PAVERS

- A. "Holland Premier": interlocking paving stones as manufactured by Unilock, Chicago, Illinois.
  - 1. 8 cm depth
  - 2. Compressive strength: Average 8,000 p.s.i. with no individual piece less than 7,500 p.s.i.
  - 3. Water absorption: Not greater than 5%.
  - 4. Color: Rustic Red – Premier Finish (field pavers); Granite - Premier Finish (chevron pavers)

## 2.02 SETTING BED SAND

- A. Fine builders sand with a fineness modulus between 1.7 and 2.1.

### 2.03 NEOPRENE-MODIFIED ASPHALT ADHESIVE

- A. Mastic (asphalt adhesive):
  1. Solids (base): 75+1%.
  2. Lbs./Gal.: 8-8.5 lb.
  3. Solvent: Varsol (over 100 degrees F Flash).
- B. Base (2% Neoprene, 10% Fibers, 88% Asphalt):
  1. Melting point - ASTM D-36; 200 degrees F minimum.
  2. Penetration - 77 degrees F, 100 gram load, 5 second (.1 m.m.): 23-
  3. Ductility - ASTM D-113-44 at 25 degrees C; 5 cm/per minute: 125 cm minute.
- C. After applying neoprene modified asphalt adhesive begin laying pavers from the edge/s referenced on the drawings.

### 2.04 ALUMINUM PAVER RESTRAINT

- A. Product: Permaloc StructurEdge, 3/16" (4.8mm) x 2-1/4" (57mm) high, extruded aluminum, 6063 alloy, T6 hardness, paver restraint edging for straight-line and curvilinear applications in corrugated L-shaped profile, as manufactured by Permaloc Corporation, Holland MI 49424, telephone (800) 356-9660 or (616) 399-9600. Horizontal base shall have holes spaced 4 inches (102 mm) apart along its length to receive spikes, or equal.
- B. Thickness: 3/32 inch (2.4 mm) gauge section shall have 0.170 inch (4.32 mm) thick exposed top lip, 1/8 inch (3.2 mm) gauge section shall have 0.190 inch (4.83 mm) thick exposed top lip, and 3/16 inch (4.8mm) gauge section shall have 0.210 inch (5.33 mm) thick exposed top lip.
- C. Length: 8 feet (2.44 meters).
- D. Connection Method: Section ends shall splice together with horizontal 0.060 inch (1.52 mm) thick x 1 inch (25 mm) wide x 4 inches (102 mm) long aluminum sliding connector.
- E. Anchoring: 3/8 inch x 10 inches (9.5 mm x 254 mm) bright spiral steel spike. Use plastic washers if desired.
- F. Finish: Mill Finish.
- G. Warranty: 15-year limited material warranty for paver restraint edging from manufacturing defects in workmanship or material.

## PART 3 EXECUTION

### 3.01 PREPARATION OF CONCRETE SUB-BASE

- A. Inspect concrete sub-base to ensure surface is clean and built in conformance with details.
- B. Verify elevation difference between concrete sub-base and adjacent finish concrete surface to ensure concrete pavers can be installed flush with bordering concrete pavement.

### 3.02 PREPARATION OF ASPHALT BASE

- A. Apply High Performance Bituminous Mix in 7/8-inch layer over concrete base that is 4 inches below the finished surface grade of the concrete pavers.
- B. Asphalt slab bed surface must be parallel with (have the same slope as) the finish grade of the concrete pavers.
- C. Asphalt surface shall be smooth and free of low spots, voids and debris.

### 3.03 PREPARATION OF AGGREGATE SUBBASE

- A. Verify that the subgrade soil is free of standing water.

- B. Stockpile Setting Bed Sand, Joint Sand, and Base Aggregate materials such that they are free from standing water, uniformly graded, free of any organic material or sediment, debris, and ready for placement.
- C. Place base aggregate to depth as shown in Drawings.
- D. Compact soil subgrade uniformly to at least 95 percent of Standard Proctor Density per ASTM D 698 for pedestrian areas. Compact soil subgrade uniformly to at least 98 percent Modified Proctor per ASTM D 1557 for vehicular areas. Stabilization of the subgrade and/or base material may be necessary with weak or saturated subgrade soils.
- E. Trim the subgrade to within 0 to ½ in. (0 to 13mm) of the specified grades. Do not deviate the surface of the prepared subgrade by more than 3/8 in. (10mm) from the bottom edge of a 39 in. (1m) straight edge laid in any direction.

#### 3.04 EDGING

- A. Preparation: Ensure that all underground utility lines are located and will not interfere with the proposed edging installation before beginning work.
- B. Locate border line of edging with string or other means to assure border straightness and curves as designed.
- C. Edging Installation: Install base of edging (when used) resting on compacted level base and facing away from paver, drive 3/8" x 10" (9.5 mm x 242 mm) bright spiral steel spikes through edging holes in section base of paver restraint edging at spaces for following applications:
  1. Anchor each section end with spike.
  2. 12 inches (305 mm) on center.

#### 3.05 SETTING BED SAND

- A. Provide and spread Setting Bed Sand evenly over the Base Aggregate course and screed to a nominal thickness of 1 in.
  1. Protect screeded Setting Bed Sand from being disturbed by either pedestrian or vehicular traffic.
  2. Screed only the area which can be covered by pavers in one day.
  3. Do not use Setting Bed Sand material to fill depressions greater than 2" in depth in the base sur-face.
- B. Keep moisture content constant and density loose and constant until Concrete Pavers are set and compacted.
- C. Screed the Setting Bed Sand using either an approved mechanical spreader or using screed rails and boards.
- D. Carefully maintain spread Setting Bed Sand in a loose condition, and protected against incidental com-paction, both prior to and following screeding. Loosen any incidentally compacted sand or screeded sand left over night before further paving units are placed.
- E. Provide lightly screeded Setting Bed Sand in loose condition to the predetermined depth, only slightly ahead of the paving units.

#### 3.06 PLACEMENT OF CONCRETE PAVERS

- A. Begin laying pavers from the edges referenced on the drawings.
- B. Place pavers by hand.
- C. Always work on top of laid pavers.
- D. A chalk line may be snapped on asphalt base to assist in alignment of pavers.
- E. Complete placement of whole pavers over entire area.
- F. Complete placement of pavers by placing cut pavers along edges.

3.07 JOINT FILLING

- A. Cross directionally sweep a thin layer of sand over the entire paver area.

3.08 CLEAN UP

- A. Sweep excess sand from paved surfaces and remove from site.

**END OF SECTION**



**SECTION 32 14 16  
BRICK PAVERS**

**PART 1 GENERAL**

1.01 WORK INCLUDED

- A. Furnish and install brick unit pavers, sand setting beds and joint sand as shown on the Drawings and Specified herein.

1.02 REFERENCES

- A. ASTM C 902 - Standard Specification for Pedestrian and Light Traffic Paving Brick.
- B. ASTM C 33 - Specification for Concrete Aggregates.
- C. ASTM C 43 - Terminology of Structural Clay Products.
- D. ASTM C 67 - Test Methods of Sampling and Testing Brick and Structural Clay Tile.
- E. ASTM C 88 - Test Method for Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate.
- F. ASTM C 136 - Method for Sieve Analysis for Fine and Coarse Aggregates.
- G. ASTM C 140 - Sampling and Testing Concrete Masonry Units.
- H. ASTM C 144 - Standard Specifications for Aggregate for Masonry Mortar.
- I. ASTM D 698 - Test Methods for Moisture Density Relations of Soil and Soil Aggregate Mixtures Using a 5.5 lb (24.4 N) Rammer and 12 in. (305 mm) drop.
- J. ASTM C 1272, Standard Specification for Heavy Vehicular Paving Brick.
- K. ASTM D 1557 - Test Methods for Moisture Density Relations of Soil and Soil Aggregate Mixtures Using a 10 lb (44.5 N) Rammer and 18 in. (457 mm) drop.
- L. ASTM D 2940 - Graded Aggregate Material for Bases or Subbases for Highways or Airports.
- M. Brick Industry Association Technical Note #14 on Brick Construction.

1.03 QUALITY ASSURANCE

- A. Installer Qualifications: Exterior Unit Paver installer shall have a minimum of five years successful experience, either in the present business form or by having principal personnel with equivalent experience elsewhere, in the installation of the products and systems of the type specified.
- B. Single-Source Responsibility: Obtain each color, type, and variety of unit pavers, joint materials, and setting materials from a single source with resources to provide products and materials of consistent quality in appearance and physical properties without delaying progress of the Work.

1.04 SUBMITTALS

- A. Product Data: Submit copies of manufacturer's specifications, installation instructions and setting bed requirements.
- B. Submit six full size samples of brick pavers for initial selection purposes in form of actual units or sections of units showing full range of colors and textures available for the unit paver indicated. Include similar samples of material for joints and accessories involving color selection. Engineer or Contracting Authority will approve color and final product from submitted samples.

- C. Submit full size samples of ADA Truncated Dome Tiles for initial selection purposes in form of actual units proposed for use on the project in the color specified. Include similar samples of material for joints and accessories involving color selection. Engineer or Contracting Authority will approve color and final product from submitted samples.
- D. Submit sieve analysis for grading of bedding and joint sands.
- E. Test results shall be submitted from an independent testing laboratory for compliance of paving unit requirements to ASTM or other applicable requirements.

#### 1.05 MOCK-UPS

- A. One complete in-place installation of one intersection corner, as selected by the Contractor and agreed to by the Engineer. Installation shall reflect all detailing as shown on the drawings, including installation of concrete curbs and ADA truncated dome tiles.
- B. This area will be used to determine the amount that the pavers settle into bedding after compaction, joint sizes, lines, laying pattern(s), color(s), and texture of the project.
- C. This area shall be the standard from which the work will be judged.

#### 1.06 DELIVERY, STORAGE AND HANDLING

- A. Deliver brick pavers to the site in steel banded, plastic banded or plastic-wrapped cubes capable of transfer by fork lift or clamp lift. Unload pavers at job site in such a manner that no damage occurs to the product.
- B. Sand shall be covered with waterproof covering to prevent exposure to rainfall or removal by wind. The covering shall be weighted to resist removal by wind.
- C. Delivery and paving schedules shall be coordinated to minimize interference with normal use of buildings adjacent to paving.

#### 1.07 ENVIRONMENTAL CONDITIONS

- A. Do not install sand, gravel, or pavers during rain or snowfall or during freezing conditions.

### PART 2 PRODUCTS

#### 2.01 CRUSHED ROCK GRANULAR FILL

- A. Aggregate base under the brick pavers shall meet the requirements of Iowa Dept. of Transportation (IDOT) Type A aggregate base course.
- B. Crushed rock shall consist of hard, durable particles or fragments of stone, free from dirt or other objectionable matter, and shall be free of excess flat, elongated, soft or disintegrated pieces.

#### 2.02 CLAY BRICK PAVERS

- A. Obtain each type of brick from one source, with consistent color range and texture, complying with referenced ASTM standards and other references indicated.
- B. Classification: Nominal 4 x 8 x 2-3/4 as per ASTM C-1272 Class SX, Type 1 Application PS, 8000 minimum PSI, 6% maximum average absorption. Slip resistance shall be tested in general accordance with ASTM C 1028-96, standard test method for determining the static coefficient of friction of ceramic tile and other like surfaces by the horizontal dynamometer pull-meter test. Minimum static coefficient of friction shall be .60 for wet and .70 for dry.

C. See Drawings for details on brick layout. Products of other manufacturers of similar color and finish shall also be considered if submitted as equal. Contractor shall submit samples to match the following types for approval of color and texture:

1. Red Brick Paver Mix: Provide and install 4 x 8 x 2 3/4 chamfered edge clay pavers with layout as patterned on plans. Provide clay brick pavers from the following manufacturers (or approved equal):
  - Belden Brick Co. (330-451-2031) – City Line 4 x 8 x 2 3/4 chamfered edge pavers with lugs. Color: Regimental Full Range.
2. Tan Brick Pavers: Provide and install 4 x 8 x 2 3/4 beveled edge clay pavers with layout as patterned on plans. Provide clay brick pavers from the following manufacturers (or approved equal):
  - Belden Brick Co. (330-451-2031) – City Line 4 x 8 x 2 3/4 chamfered edge pavers with lugs. Color: Wheatfield.

## 2.03 BEDDING

A. Type 1 Bedding (Sand Over Concrete Base) shall be clean, non-plastic, free from deleterious or foreign matter. The bedding sand shall be natural or manufactured silica sand. Grading of samples shall be done according to ASTM C136. The particles shall be sharp and conform to the grading requirements of ASTM C33 as shown below:

### 1. GRADING REQUIREMENTS FOR TYPE 1 BEDDING (SAND)

	<b>Sieve Size</b>	<b>Percent Passing</b>
3/8in.	(9.5mm)	100
No. 4	(4.75mm)	95 to 100
No. 8	(3.36mm)	85 to 100
No. 16	(1.18mm)	50 to 85
No. 30	(600um)	25 to 60
No. 50	(300um)	10 to 30
No. 100	(150um)	2 to 10

B. Type 2 Bedding (Stone Chip Over Gravel Base) shall be 1/4" clear open-graded chip stone – (ASTM No. 8) clean and free from deleterious or foreign matter.

1. Crushed stone with 90% fractured faces, LA Abrasion < 40 per ASTM C 131.
2. Use only class A aggregates do not use rounded river gravel.
3. All stone materials shall be washed with less than 2% passing the No. 200 sieve.
4. Bedding stone conforming to ASTM D448 gradation as shown in table below.
5. GRADING REQUIREMENTS FOR TYPE 2 BEDDING (NO. 8 STONE)

	<b>Sieve Size</b>	<b>Percent Passing</b>
1/2 in.	(12.5mm)	100
3/8 in.	(9.5mm)	85 to 100
No. 4	(4.75mm)	10 to 30
No. 8	(2.36mm)	0 to 10
No. 16	(1.16mm)	0 to 5

## 2.04 JOINT SAND

A. Joint Sand shall be

1. Pavermate Z3 Polymeric Sand (Granite Color) as manufactured by SRW Products (800-752-9326) or approved equal.

## 2.05 GEOTEXTILES

- A. Geotextile shall be a woven, polypropylene fabric complying with ASTM D 4751, Test Method for Determining Apparent Opening Size of a Geotextile, with an approximate opening size from a No. 70 to No. 100 sieve size opening. Geotextile fabric shall permit water passage without allowing sand or soil migration. Geotextiles should be lapped at the sides and ends of rolls a minimum of 12 in. (305 mm). Care should be taken to not locate laps directly under anticipated wheel paths.

## 2.06 ADA TRUNCATED DOME TILES FOR DETECTABLE WARNING SYSTEMS

- A. ADA truncated dome panels shall conform to Section 4171 of the Standard Specifications.
- B. Obtain ADA truncated dome panels from one source, with consistent color range and texture, complying with referenced ASTM standards and other references indicated. Panels must be compliant with all relevant ADA requirements.
- C. ADA truncated dome panels shall be 24 in. wide cast gray iron conforming to ASTM A-48 class 30A minimum.
  - 1. Slip resistance - ASTM C 1028 greater than 0.8.
  - 2. Impact resistance - Resistance to impact from Falling Tub NCHRP Report 670: Draft T4-33, Part II. No Substantial damage.
- D. Wherever a curved installation along back of curb is specified on the plans, the ADA truncated dome panels may be manufactured to a radius conforming the back of curb radius or they will need to be cut to fit in the field such that the panels conform to the curvature of the curb line.
- E. Contractor shall submit samples to match the following products in color and material (or approved equal):
  - 1. Detectable Warning Panels as manufactured by Neenah Foundry Company Inc. (800-558-5075). Color: Powder-coated and painted black.
  - 2. 4984 Detectable Warning Plate as manufactured by Deeter Foundry (800-234-7466). Color: Powder-coated and painted black.
  - 3. Detectable Warning Panels as manufactured by Pioneer Detectable LLC (262-370-5355). Color: Powder-coated and painted black.

## PART 3 - EXECUTION

### 3.01 WEATHER EXTREMES

- A. Cover units with a weather resistant membrane held securely in place or otherwise protect units from the elements.
- B. Follow the procedures developed by the International Masonry Industry All-Weather Council (IMIAC) "Recommended Practices and Guide Specifications for Cold Weather Masonry Construction" and BIA Technical Notes on Brick Construction 1, "All Weather Construction".

### 3.02 EXAMINATION

- A. Verify that subgrade preparation, compacted density and elevations conform to the specifications. Note that the top surface of the pavers should be 1/8 to 1/4 in. (3 to 6 mm) above the final elevation after compaction. This difference in initial and final elevation is to compensate for possible minor settling.
- B. Verify compaction of the soil subgrade as specified.

- C. Verify that concrete base elevations conform to the specifications. The slope of the concrete base surface shall conform to the finish grade of the pavers to provide uniform Type 1 bedding sand thickness.
- D. Verify the proper installation of the concrete edge restraints, in terms of location, straightness, elevation, and adherence to the specifications.
- E. Beginning of bedding material shall signify acceptance of base and edge restraints.
- F. Determine actual paver dimensions (including tolerances) and coordinate with dimensions for pavement areas indicated on Contract Drawings prior to any pavement installation. Adjust pavement area dimensions to eliminate unnecessary paver cutting. Notify Engineer of notable discrepancies with the Contract Drawings due to site conditions.

### 3.03 SITE PREPARATION (TYPE 1 CONCRETE BASE)

- A. Clean all concrete base areas in preparation for paver installation.
- B. Install weep holes as specified on the drawings. Drill 2-3" diameter hole and fill with pea gravel (IDOT Gradation #29 or approved equal). Install holes at a minimum 10' on center and at all low points of concrete base.
- C. Geotextile: Install geotextile where indicated on Contract Drawings. Overlap ends and edges a minimum of 12 inches (300 mm.) and weep holes a minimum of 6 inches.
- D. Before commencing the placing of the sand bedding course and the placement of the brick pavers, the base shall be inspected by the Owner or the Consultant.

### 3.04 SITE PREPARATION (TYPE 2 GRAVEL BASE)

- A. All subdrainage or underground services within the pavement area must be completed in conjunction with subgrade preparation, and before the commencement of subbase construction.
- B. All service trenches within the pavement area must be back filled to the sub-grade level with approved material placed in uniform lifts not exceeding 4 in. (200 mm) loose thickness. Each lift must be compacted to at least 98 percent Standard Proctor Density as specified in ASTM D 698.
- C. After trimming to the grades specified, the pavement area is to be proof rolled to 98 percent Standard Proctor Density in the presence of the Consultant, with soft spots or localized pockets of objectionable material excavated and properly replaced with approved granular material.
- D. Mechanical tampers (jumping jacks) are recommended for compaction of soil subgrade and aggregate base around lamp standards, utility structures, building edges, curbs, tree wells and other protrusions. Areas not accessible to roller compaction equipment should be compacted to the specified density with mechanical tampers. CAUTION - Care shall be taken around the perimeters of excavations, buildings, curbs, etc. These areas are especially prone to consolidation and settlement. Wedges of backfill should not be placed in these areas. If possible, backfilling and compacting in these areas particularly should proceed in shallow lifts, parallel to the finished surface.
- E. The Contractor shall ensure that the prepared subgrade is protected from damage from inundation by surface water. No traffic shall be allowed to cross the prepared subgrade. Repair of any damage resulting shall be the responsibility of the Contractor and shall be repaired.
- F. Under no circumstances shall further pavement construction proceed until the subgrade has been inspected by the Owner or the Consultant.

### 3.05 GRANULAR SUBBASE (TYPE 2) INSTALLATION

- A. Granular backfill (if needed) shall be placed in accordance with Section 2402, 2416, and 4133 of the IDOT Specifications.



- B. Modified subbase shall be placed in accordance with Section 2102 and 4123 of the IDOT Specifications. Subbase shall be compacted to minimum 98% Standard Proctor Density.
- C. After proper construction of the edge restraints for the pavers, and upon approval by the Consultant, aggregate base shall be placed in uniform lifts not exceeding 6 in. (150 mm) loose thickness.
- D. The granular base shall be trimmed to within 0 to 3/8 in. (0 to 10 mm) of the specified grade to insure uniformity of the bedding material thickness.
- E. The upper surface of the base shall be sufficiently well graded and compacted to prevent infiltration of the bedding materials into the base both during construction and throughout its service life. Segregated areas of the granular base shall be blended by the application of crushed fines that have been watered and compacted into the surface.
- F. Before commencing the placing of the bedding course and the placement of the pavers, the base shall be inspected by the Owner or the Consultant.

### 3.06 BEDDING MATERIAL INSTALLATION

- A. Spread the bedding sand evenly over the concrete base and geotextile fabric (Type 1) OR ¼" gravel chip over gravel base course (Type 2) and screed to a nominal 1 in. (25 mm) thickness, not exceeding 1 ½ in. (40 mm) thickness. The screeded materials should not be disturbed. Sufficient bedding material shall be placed in order to stay ahead of the laid pavers. Do not use the bedding material to fill depressions in the base surface.
- B. Screeded bedding material shall be fully protected against incidental compaction, including compaction by rain. Any screeded bedding material which is incidentally compacted prior to laying of the paving unit, shall be removed and brought back to profile in a loose condition. Neither pedestrian nor vehicular traffic shall be permitted on the screeded sand.
- C. The Contractor shall screed the bedding materials using either an approved mechanical spreader (e.g.: an asphalt paver) or by the use of screed rails and boards.

### 3.07 BRICK PAVER INSTALLATION

- A. Initiation of paver placement shall be deemed to represent acceptance of the pavers.
- B. Pavers shall be free of foreign material before installation.
- C. Pavers shall be inspected for color distribution and all chipped, damaged or discolored pavers shall be replaced.
- D. Color Blending - Paving units shall be installed from a minimum of 3 bundles simultaneously drawing the paver vertically rather than horizontally.
- E. The pavers shall be laid in the pattern(s) as shown on the drawings. String lines or chalk lines on bedding material should be used to hold all pattern lines true.
- F. Joints between the pavers on average shall be between 1/16 in. and 1/8 in. (2 mm to 4 mm) wide. Joint spacing must be consistent to maintain patterns. This spacing must also be provided for the first row abutting the edge restraint.
- G. No more than 5% of the joints shall exceed [1/4 in. (6 mm)] wide to achieve straight bond lines. Joint (bond) lines shall not deviate more than ± 1/2 in. (±15 mm) over 50 ft. (15 m) from string lines.
- H. Gaps at the edges of the paved area shall be filled with cut pavers. Layout paver units within each field such that no paver units are cut smaller than one-third of a whole paver along edges subject to vehicular traffic.

- I. Pavers to be placed along the edge shall be cut with a double blade paver splitter or masonry saw.
- J. Upon completion of cutting, the area must be swept clean of all debris to facilitate inspection and to ensure pavers are not damaged during compaction. (Debris or sand particles left on pavers which are being compacted can cause point loading which may chip, scrape or break the paver.)
- K. After sweeping and prior to compaction, the paved area must be inspected by the Owner or Engineer to ensure satisfactory color blending. Pavers can be moved easily at this time to achieve good color distribution.
- L. The pavers shall be compacted to achieve consolidation of the bedding and brought to level and profile by not less than three passes. Initial compaction should proceed as closely as possible following the installation of the paving units and prior to the acceptance of any traffic or application of joint sand.
- M. Low amplitude, high frequency plate compactor shall be used to compact the pavers into the sand. Use of a urethane plate compactor pad is recommended to minimize any scuffing of the paving stone surface. The compactor shall transmit an effective force not less than 75 kN per square metre (1600 Lb/ft<sup>2</sup>) of plate area. The frequency of vibration shall be within the range of 75 to 100 Hz. Use Table 5 below to select size of compaction equipment:

**PAVER THICKNESS AND REQUIRED MINIMUM COMPACTION FORCE**

<b>Paver Thickness</b>	<b>Compaction Force</b>
2 3/8 in. (60 mm)	3000 lbs [13 kN]
2 3/4 in. (70 mm) & 3 1/8 in. (80 mm)	5000 lbs [22 kN]

- N. Any units that are structurally damaged during compaction shall be immediately removed and replaced.

**3.08 FIELD QUALITY CONTROL**

- A. Check final elevations for conformance to the drawings. Notify Engineer of deviations and adjust as directed.
- B. All surface and pavement structures shall be true to the lines and levels, grades, thickness and cross sections shown on the drawings. All pavements shall be finished to lines and levels to ensure positive drainage at all drainage outlets and channels. In no case shall the cross-fall of any portion of pavement be less than that shown on the plans. The final surface elevations shall not deviate more than 3/8 in. (10 mm) under a 10 ft. (3 m) long straight edge.
- C. The surface elevation of pavers shall be 1/8 to 1/4 in. (3 to 6 mm) above adjacent drainage inlets, concrete collars or channels.
- D. Lippage: No greater than 1/8 in. (3 mm) difference in height between adjacent pavers.

**3.09 INSTALLATION OF JOINT SAND**

- A. Follow all manufacturer recommendations for installation of polymeric sand. Temperatures must remain above 32°F (0°C) throughout installation and curing. All pavers must be COMPLETELY DRY for polymeric sand application activities. Do not install on wet pavers or when rain is expected.
- B. Apply polymeric sand evenly over the surface. Spread sand into joints, completely filling to the full depth of the pavers. Avoid pushing sand over long distances. Remove excess sand from surface of pavers before compacting.

- C. Compact filled joints using a rubber-plated compactor. Repeat compacting and filling as necessary until all paver joints are full of sand.
- D. Remove excess sand from paver surface using a soft bristle broom. Once complete, sand joint height should be filled to 1/8" (0.32 cm) below the top of the pavers.

E. ACTIVATION:

1. Working in sections up to 200 sq. ft. (18.58 sq. m.) at a time, water each section for a total of 2 minutes. Do not allow the section to dry during the 2-minute watering.
2. Use hose with a sprayer attachment set to "mist" or similar light setting. Mist area until the surface is wet.
3. Set hose to "light shower" to allow more water over the area. Repeat shower two times over the section.
4. Use a screwdriver to test for proper moisture depth of at least 1" (2.54 cm). If depth is not achieved, immediately wet the area with a shower setting.
5. Once moisture depth is achieved, blow off excess water using a leaf blower.

F. CURING

1. A flexible joint is a sign that reaction has occurred but is not completely cured.
2. A dry environment is important to allow joints to fully cure. For best performance, install when no rain is forecasted for 24 hours.
3. Wait 28 days prior to cleaning or sealing.

### 3.010 ADA TRUNCATED DOME TILE INSTALLATION

- A. Install as per manufacturer specifications. Isolate work area by using barricades or cones to block off the work area from pedestrian or vehicular traffic. Consult with local governmental agency or other standard to be certain safety guidelines are followed.
- B. Before pouring concrete determine the layout of tiles. Tiles can be cut to custom sizes, or to make a radius, using a continuous rim diamond blade in a circular saw or mini-grinder. Use of a straightedge to guide the cut is advisable where appropriate.
- C. Pour and finish concrete according to the drawings and specifications. Check the slope of the concrete with an electronic level to assure compliance.
- D. Trace the approximate location of the tiles and remove 1/2 in. to 5/8 in. of concrete.
- E. Place the tile in the void created by applying downward pressure and twisting the tile to set. The tile should be level with the surrounding concrete. Place the remaining tiles flush to the previous using the same downward twisting method.
- F. Float surface of concrete surrounding tiles making sure that any concrete displaced by the tiles is removed and the surface is finished in a manner that the tile becomes an integral part of the sidewalk and does not disturb the uniform slope achieved before placement.
- G. Recheck slope to confirm that the installation of the tiles has not disturbed the slope.
- H. While concrete is workable, a 1/8" radius edging tool shall be used to create a finished edge of concrete, then a steel trowel shall be used to finish the concrete around the tile's perimeter, flush to the field level of the tile. Carefully finish the edges, and clean of any concrete that has spilled during the installation
- I. Following tile placement, review installation tolerances to contract drawings and adjust tile before the concrete sets. Suitable sandbags with 10 to 25 lb weights may be placed on each tile as necessary to ensure solid contact of the underside of tile to concrete. Protect area from pedestrian and vehicular traffic until the concrete has cured sufficiently.
- J. Clean by spraying with water. Do NOT spray or allow setting compounds or other chemicals to interact with tiles. Use protective barriers to protect tiles if such chemicals/compounds are used on surrounding areas.

**PART 4– MEASUREMENT AND PAYMENT**

- 4.01 Measurement: The Engineer shall measure the number of square feet of brick pavers or ADA truncated dome tiles that are satisfactorily installed in accordance with the plans and this Special Provision, as required by the contract documents.
- 4.02 Payment: For each type of brick paver and ADA truncated dome tile installed and measured for payment, the Contractor shall be paid the contract unit price. This payment shall be full compensation for the paver or truncated dome tile installed.

**END OF SECTION**

**SECTION 32 93 00  
PLANT MATERIAL**

**PART 1 GENERAL**

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.02 DESCRIPTION

- A. This section of the specification covers the furnishing of all labor, tools, equipment, and materials for performance of all operations as described below and as shown on the plans.
- B. Work includes, but is not limited to: Furnishing and planting of trees, shrubs, and groundcovers, including bed edging, preparation, and mulch in accordance with these specifications at the locations shown on the Drawings.

1.03 QUALITY ASSURANCE

- A. Regulatory Requirements: Comply with applicable requirements of Federal, State, and Local laws, regulations and codes having jurisdiction at the project site. Contractor shall be responsible for certificates of inspection of plant material that may be required by Federal and Local authorities to accompany shipments of plants.
- B. Reference Standards:
1. "American Standard of Nursery Stock" by the American Association of Nurseryman.
  2. American National Standards Institute (ANSI); Publication Z60.1; latest version.
- C. Landscaping contractor must have at least five (5) years experience in this work in the same geographical area (Upper Midwest).
- D. Substitutions of plant material will not be permitted unless authorized in writing by Owner's Representative. If proof is submitted that any plant specified is not obtainable, a proposal will be considered for use of the nearest equivalent size or variety with corresponding adjustment of Contract Price. Such proof shall be substantiated and submitted in writing to Owner's Representative at least thirty (30) days prior to start of the work under this Section. These provisions shall not relieve Contractor of the responsibility of obtaining specified materials in advance if special growing conditions or other arrangements must be made in order to supply specified materials.
- E. Source - Quality Control: Plants shall be subject to inspection and approval by Owner's Representative at place of growth and upon delivery for conformity to specifications. Such approvals shall not impair the right of inspection and rejection during progress of the Work. Submit written request for inspection of plant material at place of growth and quantity of plants to be inspected. Owner's Representative reserves right to refuse inspection at this time if, in his judgment, a sufficient quantity of plants is not available for inspection.
- F. All plants inspected at the nursery by Owner's Representative shall be tagged with self-locking tags. Trees delivered to the site without these tags or with broken tags shall be sufficient reason



for rejection.

- G. Where formal arrangements or consecutive order of trees or shrubs are shown, select stock for uniform height and spread, and label with number to assure symmetry in planting.

#### 1.04 PROJECT CONDITIONS

- A. Verify finished grades of areas to be planted with those shown on the drawings. Ensure proper seedbed preparation and topsoil requirements have been satisfied. Avoid conditions detrimental to plant growth such as rubble fill, adverse drainage conditions, or obstructions. Notify Owner's Representative of any such discrepancies or potential problems prior to proceeding with installation of plant material.
- B. Determine location of underground utilities and perform work in a manner which will avoid possible damage. Hand excavate, if required. The Contractor shall be responsible for the repair of any damage occurring as a result of construction activities.
- C. Install plant material after final grades are established and prior to planting of lawns, unless otherwise directed by the Landscape Architect. If plant installation is to occur after lawn work, protect lawn areas and promptly repair damage to lawns resulting from planting operations.
- D. Maintain grade stakes, forms, etc. set by others until removal is mutually agreed upon by all parties concerned.

#### 1.05 PACKAGING, DELIVERY, STORAGE AND HANDLING

- A. Plants shall be properly marked for identification and for checking. Each block of plants and at least 25% of each variety of separate plants in any one shipment shall have legible labels securely attached upon delivery to the site. Mark the North side of each tree in the nursery.
- B. Each shipment shall be certified by state and federal authorities to be free from disease and infestation. Any inspection certificates required by law to this effect shall accompany each shipment, invoice, order, or stock. On arrival, the certificate shall be filed with the Contracting Officer.
- C. Product Handling: The contractor shall transport plant materials covered with tarpaulin or in enclosed vehicle.
- D. Dug material should be maintained and watered as required at the nursery to guarantee their vitality and health until shipping.
- E. Protect all trunks, stems, branches, and root balls during tree tying, wrapping and loading operations from damage.
- F. Load balls or containers onto transport vehicle and secure in a manner that protects the structural integrity of the root balls.
- G. The contractor shall be solely responsible for the safe transportation of plants to the site and their condition upon arrival. Trees damaged, dehydrated or abused during transit or storage will be rejected.
- H. Plant materials shall not be stored on concrete or asphalt or left exposed to the sun.

- I. Roots and balls of plants shall be adequately protected at all times from the sun and drying winds. In normal and winter plantings, balled and burlapped plants that cannot be planted within 24 hours of delivery shall be heeled in a bed of bark mulch, or other approved material.
- J. The Owner or Owner's Representative may inspect any phase of this operation and may reject any plant material improperly handled during any phase of this operation. Nothing in this Section shall be interpreted as relieving the contractor of the responsibility of providing healthy, viable plants, nor shall it have any effect upon the terms of the warranty specified herein.

#### 1.06 PROTECTION OF EXISTING PLANTS TO REMAIN

- A. Do not store materials or equipment, permit burning, or operate or park equipment under branches of any existing plant material to remain except as actually required for construction in those areas.
- B. Provide barricades, fences or other barriers as necessary at the drip line to protect existing plants to remain from damage during construction.
- C. Notify Owner's Representative in any case where the Contractor feels grading or other construction called for by Contract Documents may damage existing plants to remain.
- D. If any existing tree designated to be saved is damaged by mechanical or other means or is removed without written authorization from the Architect, the contractor shall pay as fixed and agreed liquidated damages 125 percent of the value of that plant as established in the latest edition of the "Guide for Establishing Values of Trees and Other Plants," as prepared by the Council of Tree and Landscape Appraisers under the auspices of the International Society of Arboriculture. The before-mentioned liquidated damages shall be extended to include the fee of a member of the American Society of Consulting Arborists selected by the Landscape Architect to assess the extent of damages. This evaluation shall be accepted by all parties as sole determination. In addition to liquidated damages, the contractor shall bear the cost of removal of damaged tree(s) as directed by the Landscape Architect.

#### 1.07 SUBMITTALS

- A. General: Submit the following in accordance with Conditions of Contract and Division 1 Specification Sections.
- B. Plant and Material Certifications:
  - 1. Certificates of inspection as required by governmental authorities.
  - 2. Manufacturers or vendor's certified analysis for soil amendments and fertilizer materials.
  - 3. Label data substantiating that plants, trees, shrubs and planting materials comply with specified requirement.
  - 4. Photographs and sources of specimen plant material (trees to be planted).
  - 5. Product data for all specified landscape products.
- C. Planting Schedule: Submit schedule indicating dates for each type of landscape work to be performed during normal seasons for such work in area of site. Correlate with specified maintenance periods to provide maintenance from date of substantial completion. Once accepted, revise dates only as approved in writing, after documentation of reasons for delays.
- D. Maintenance Instructions: Typewritten instructions recommending procedures to be established by Owner for maintenance of landscape work for one full year. Submit prior to expiration of required maintenance period(s). The contractor is to request and review the owner's existing maintenance program and notify the owner if current procedures will cause any unknown problems regarding the one-year warranty period for the plant material.

1. Watering (and not over-watering)
2. Fertilization
3. Maintaining mulch
4. Controlling weeds
5. Wrapping and unwrapping the tree
6. Trunk inspection for borers
7. Leaf inspection for aphids

## PART 2 MATERIALS

### 2.01 PLANT MATERIALS

A. The following quality requirements apply to commercially grown plant material:

1. Plants shall be typical of their species and variety; have normal growth habits, well developed branches, densely foliated, vigorous, fibrous root systems.
2. Plants shall be free from defects and injuries. A Certificate of Inspection by the State Entomologist's Office of the State Department of Agriculture shall accompany each shipment or delivery of plant stock. All shipments of plant stock shall comply with existing State and Federal laws and regulations governing plant disease and infection and interstate movement of nursery stock.
3. Quality and size of plants, spread of roots, and size of balls shall be in accordance with ANSI-Z60.1, "American Standard for Nursery Stock" as published by the American Association of Nurserymen.
4. Label at least one tree and one shrub of each variety with a securely attached waterproof tag bearing a legible botanical and common name designation.
5. Where formal arrangements or consecutive order of trees or shrubs are shown on the Drawings, select stock for uniform height, branching height, and spread, and label with numbers which assure symmetry in planting.
6. Plants shall not be pruned before planting.
7. Plants shall be freshly dug and nursery grown. Collected stock shall be rejected. Nursery grown plants larger than 1-1/2" caliper shall have been transplanted or root pruned at least once in past three years.
8. All trees must have straight trunks with single leader intact. Bark shall be free of abrasion, all cuts over 1-1/4" shall have callused over.
9. Trees shall not be accepted which have had their leaders cut (or which have leaders damaged so that cutting is necessary).
10. Trees shall be true to name. Upon request, Contractor shall furnish the Owner's Representative a list indicating the source of each of the different plants to be supplied.

11. All plants shall be balled and burlapped or container grown unless otherwise indicated on the Plant Schedule.

#### 2.02 FERTILIZER FOR PLANT MATERIALS

- A. Fertilize trees to be planted with a fertilizer tablet having a slow release nitrogen, phosphorus and potash (20-10-5) plus sulfur and iron formulation. Tablets manufactured by Agriform or equal.
- B. The Owner's Representative may approve other "dry" fertilizing methods.

#### 2.03 MULCH

- A. Wood Mulch (for tree rings): Shall be premium grade shredded cedar bark of long, fibrous nature, 2" to 4" in length. Material shall have been stockpiled a sufficient length of time to prevent burning and nitrogen depletion cause by decomposition. Do not use mulch from walnut.
- B. Gravel Mulch (for beds and areas specified on the plans): Shall be 2-3" washed river rock mulch, 3" maximum depth for bed areas.

#### 2.04 TREE WRAP

- A. Tree wrapping shall be first quality, four inch wide bituminous impregnated tape, corrugated or crepe paper, specifically manufactured for tree wrapping and having qualities to resist insect infestation. Jute twine not less than two-ply.

#### 2.05 TREE STAKES

- A. Tree stakes shall be standard 8' long steel "T" fence stakes, driven to firm bearing for all trees up to 3-1/2" in caliper (notify Landscape Architect if larger tree is used). To protect tree trunks from damage by wires, provide not less than 1/2" diameter rubber or plastic hose, cut to required lengths and of uniform color, material, and size.

#### 2.06 STEEL LAWN EDGING

- A. All planting beds shall be edged with Duraedge 4" x 3/16" steel lawn edging as manufactured by the J.D. Russell Company (800-888-9708) or approved equal. Edging shall be hot rolled steel with an electrostatically applied powder coat surface paint, black in color.

#### 2.07 PRE-EMERGENT WEED KILLER

- A. Pre-Emergent weed killer shall be granulated and shall be "Treflan" or "Dacthal", or approved 12 month weed preventer.

#### 2.08 ANTIDESICCANT

- A. Antidesiccant shall be an emulsion that will provide a film over plant surfaces permeable enough to permit transpiration, and will not damage the plant, such as "Wilt Pruf" or approved equal. Three applications on all evergreens are required.

## PART 3 EXECUTION

### 3.01 GENERAL

- A. Planting Seasons: Actual planting shall be performed only when weather and soil conditions are suitable and in accordance with locally accepted practice and as approved by the Contracting Officer.
1. Fall: September 1 until frozen soil conditions prevent work.
  2. Spring: Unfrozen soil condition through June 1.
- B. Layout: The Landscape Contractor shall stake out the locations of all plants before digging holes, and request approval from the Owner's Representative prior to digging.
- C. If underground construction, obstructions, or large rocks are encountered in excavation of planting areas, other locations for the planting may be selected by the Owner's Representative.

### 3.02 EXCAVATION FOR TREES AND SHRUBS

- A. Excavation for planting shall include removal and stacking of soil excavated for trenches, tree holes, plant pits and planting beds.
- B. Excavate pits, beds, and trenches with vertical sides and with bottom of excavation slightly raised at center to provide proper drainage. Loosen hard subsoil in bottom of excavation.
1. For balled and burlapped (B&B trees and shrubs), make excavations at least twice as wide as the ball diameter and equal to the ball depth. In poorly drained soils, the excavation shall be three times as wide as the ball diameter.
  2. For container grown stock, excavate as specified for balled and burlapped stock, adjusted to size of container width and depth.
- C. Dispose of subsoil removed from planting excavations. Do not mix with planting soil or use as backfill.
- D. Fill excavations for trees and shrubs with water and allow water to percolate out prior to planting.
- E. Prior to installation, rotary till 30 inches around excavated tree pits and shrub trench to aerate existing adjacent soil except under existing tree dripline.
- F. Where existing turf areas are damaged by planting operations, they shall be replaced by equal quality turf by the Contractor at no cost to the Owner.

### 3.03 SETTING AND BACKFILLING PLANTS

- A. Do not plant in obviously poor drainage. Notify the Owner's Representative in writing of all soils or drainage conditions considered detrimental to growth of plant material. Report conditions and submit a proposal for correcting conditions, if feasible, including change in cost, if any.



- B. Orient plants for best appearance from dominant view.
- C. Set all plants plumb and straight. Set at such a level that after settlement, a normal or natural relationship of the crown of the plant with the ground surface will be established. Locate plant in the center of the pit. In poorly drained soils, plant 4 to 6 inches above previous crown depth.
- D. Soil used for backfilling all plants shall consist of suitable soil excavated from the hole thoroughly mixed with sphagnum peat moss or other suitable organic matter. Notify the Owner's Representative in writing of all soils or drainage conditions considered detrimental to growth of plant material. Report conditions and submit a proposal for correcting conditions, if feasible, including change in cost, if any.
- E. When planting container grown stock, use soil similar to the soil in the container to amend existing soil excavated from the pit.
- F. Backfill each plant about 2/3 of the way. Flood the plant and allow soil to settle. Bring the backfill to grade. Water is available through hose bibs on the building or quick couplers from the irrigation system. Any settlement shall be brought to grade with topsoil.
- G. Balled plants shall be placed in the plant pits on loosened soil. Backfilled soil shall be carefully watered to fill all voids. In no case shall cloth be pulled out from under balls. Do not plant if ball is broken or cracked during the planting process. ALL TIES AND STRINGS SHALL BE CUT PRIOR TO BACKFILLING.
- H. Container grown plants shall have containers cut open and the plants carefully removed so that the earth around roots of plants remain unbroken. Plants shall then be planted in the same manner as balled plants.
- I. If deciduous trees or shrubs are moved when in full-leaf, spray with anti-desiccant at nursery before moving and spray again 2 weeks after planting
- J. Dish top of backfill to allow for mulching. Mulch to a minimum one foot beyond tree/shrub pit.
- K. Prune, thin out, and shape trees and shrubs in accordance with standard horticultural practice. Prune trees to retain required height and spread. Unless otherwise directed by Landscape Architect, do not cut tree leaders, and remove only injured or dead branches from flowering trees, if any. Pruning shall be done in such a manner as to not change the natural habit or shape of the plant. All cuts shall be made flush, leaving no stubs. On all cuts over 3/4" in diameter and bruises or scars on the bark, the injured cambium shall be traced back to living tissue and removed. Wounds shall be smoothed and shaped so as not to retain water.
- L. Remove and replace excessively pruned or misformed stock resulting from improper pruning.
- M. Wrap tree trunks of 2 inches caliper and larger. Start at ground and cover trunk to height of first branches and securely attach. Inspect tree trunks for injury, improper pruning and insect infestation and take corrective measures before wrapping.

### 3.04 PREPARATION OF SHRUB AND GROUNDCOVER BEDS

- A. The soil surface shall be cleaned of roots, plants, sods, stones, clay lumps and other extraneous material. Soil shall be cultivated to a depth of not less than 8 inches to incorporate the specified fertilizer and organic matter and break up the compacted soil. Beds shall be mulched with wood chips as specified.

- B. Shrub beds shall receive an approved weed barrier fabric placed throughout the bed and beneath the mulch.

### 3.05 PLANTING GROUNDCOVER AND PERENNIALS

- A. Mulch shall be brushed away and holes dug large enough to allow for the root ball. Dig holes large enough to allow for spreading of roots and backfill with planting soil. Soil shall be worked around roots to eliminate air pockets, leaving a slight saucer indentation around plant to hold water. Backfill with soil, making sure that roots are planted in soil and not in the mulch. Plants shall be thoroughly watered after planting taking care not to cover crowns of plants with wet soils.
- B. Space groundcover and perennial plants as indicated or scheduled.

### 3.06 STAKING TREES

- A. All trees shall be staked. Staking shall be installed immediately after trees are positioned and ties removed from the ball of roots. Stakes shall be spaced equally about each tree and shall be driven vertically into the ground in such a manner as not to injure the ball or roots. Stakes shall be of uniform height after placement.

### 3.07 PLACING LAWN EDGING

- A. Place edging to separate all planting areas from lawn areas. Install in a smooth line. Install top of the edging one half inch above finish grade of both turf and mulch. Place stakes as specified by manufacturer.

### 3.08 APPLICATION OF FERTILIZER

- A. Apply fertilizer during shrub and groundcover bed preparation as specified. Mix thoroughly into the upper 8 inches of soil. Also apply to pit areas prior to tree and shrub installation.

### 3.09 APPLICATION OF PRE-EMERGENT WEED KILLER

- A. All shrub, groundcover, and perennial beds shall receive pre-emergent weed killer applications prior to planting.
- B. Prior to application of pre-emergent weed killer the area shall be smooth and be free of weed growth, clods and debris larger than 1". Follow rates of application shown on the label as per Federal law. One full application prior to mulching or two half applications, one on the soil before mulching and the other on top of the mulch after mulching.

### 3.010 APPLICATION OF MULCH

- A. Place mulch after applying pre-emergent weed killer as required. Place mulch in all shrubs and perennial beds to the limits of the beds as shown on the drawings.
- B. Shade and ornamental trees in lawns: apply 3" thick of wood bark mulch in 5-foot diameter circle around trees. Blend mulch into existing ground elevations.

### 3.011 PRECAUTIONS AND CLEAN-UP

- A. During course of planting, excess waste materials shall be continuously and promptly removed, lawn areas kept clear and all reasonable precautions taken to avoid damage to existing structures, plants and grass. Existing grass areas which have been injured by the work shall be regraded and sodded at the Contractor's expense. The entire area, when completed, shall be neat and clean to the satisfaction of the Owner's Representative.
- B. During landscape work, keep pavements clean and work area in an orderly condition.
- C. Protect landscape work and materials from damage due to landscape operations, operations by other contractors and trades, and trespassers. Maintain protection during installation and maintenance periods. Treat, repair, or replace damaged landscape work as directed.

#### 3.012 FINAL ACCEPTANCE

- A. Final acceptance of the work under this section will be given when all planting operations are complete and material and installation conforms to the contract requirements.
- B. When the work under this section is complete, the Contractor shall notify the Owner's Representative and request an inspection for final acceptance. Upon completion of this inspection and correction of any discrepancies discovered, including missing plants and replacement of dead and dying plants as determined by the Owner's Representative, the Guarantee Period shall begin. The work under this section will not be accepted in parts.

#### 3.013 GUARANTEE PERIOD AND REPLACEMENTS

- A. Guarantee all plants to leaf-out, not just break bud, the first spring following final acceptance of the contract.
  - 1. At the end of the Guarantee Period, the Contractor shall notify the Owner's Representative and request an End-of-Guarantee-Period inspection. Approval of all plants and required replacements shall designate completion of the work under this section. At that time, remove stakes and guy wires.
- B. Replace any plant that dies or partially dies to the point that the main leader has died back or there is a 25 percent or more of the crown dead, as determined by the Owner's Representative.
- C. Replacements shall be plants of the same size and species, planted within a reasonable time following removal of the dead or dying plant, if seasonal conditions permit, or during the next planting season.
- D. The Contractor will be liable for any damage to structures, utilities, or surfaces resulting from replacement operations.
- E. Water for replacements will be supplied on site by the Contractor.

#### 3.014 MAINTENANCE

- A. The Contractor shall maintain all materials beginning immediately after the work is started and continuing until final acceptance. Maintenance will be done by the Owner between the date of final acceptance and end of the guarantee period. However, the Contractor shall visit the site frequently to satisfy himself that satisfactory maintenance is being performed, including watering. Any deficiency shall be noted in writing by the Contractor and brought to the attention of the Owner.
1. Watering: Maintenance shall include a thorough initial watering with hand watering of trees and shrubs thereafter when soil moisture is below optimum level for establishment and growth, and all other watering that is necessary for the proper growth of all plant materials through substantial completion.
  2. Resetting Plants, Stakes, Guys, Saucers: Settled plants shall be reset to proper grade and positions, dead material removed, and guys tightened or repaired within a reasonable time. Correct any displaced mulch. Repair or replace accessories as required.
  3. Pruning: Pruning will include only work that is necessary to maintain the plants in their normal growth pattern.
  4. Replacing Dead and Dying Plants: Plants that are dead or dying shall be replaced within reasonable time, if seasonal conditions permit. Dead Plants shall be removed from the premises within 30 days of their decline.
  5. Weed Control: Weeding shall be scheduled as necessary to keep all mulched areas weed and grass free. All mulched areas around trees and shrubs and in beds shall be weed and grass free for final acceptance.
  6. Control insects and disease.
  7. Remedy damage from use of pesticides and herbicides.

END OF SECTION

Engineer's Estimate of Costs

W. 27th Street Reconstruction Project  
 Cedar Falls Project No.: RC-000-3240  
 AECOM Project No.: 60637669  
 3/24/2022

Item No.	Item Description	Unit	Estimated Quantities					Engineer's Estimate Unit Price	Estimated Costs						
			Division 1	Division 2	Division 3	Division 4	Total		Division 1	Division 2	Division 3	Division 4	Total		
1	CLEARING AND GRUBBING	UNIT	85.90					85.90	\$ 65.00	\$ 5,583.50	\$ -	\$ -	\$ -	\$ -	\$ 5,583.50
2	ON-SITE TOPSOIL	CY	11,490.00					11,490.00	\$ 20.00	\$ 229,800.00	\$ -	\$ -	\$ -	\$ -	\$ 229,800.00
3	OFF-SITE TOPSOIL	CY	4,559.00					4,559.00	\$ 30.00	\$ 136,770.00	\$ -	\$ -	\$ -	\$ -	\$ 136,770.00
4	EXCAVATION, CLASS 10, ROADWAY AND BORROW	CY	9,929.00					9,929.00	\$ 8.00	\$ 79,432.00	\$ -	\$ -	\$ -	\$ -	\$ 79,432.00
5	EXCAVATION, CLASS 10, BORROW	CY	10,095.00					10,095.00	\$ 10.00	\$ 100,950.00	\$ -	\$ -	\$ -	\$ -	\$ 100,950.00
6	EXCAVATION, CLASS 13	CY	15.00					15.00	\$ 30.00	\$ 450.00	\$ -	\$ -	\$ -	\$ -	\$ 450.00
7	SUBGRADE PREPARATION, 12 IN.	SY	30,444.00					30,444.00	\$ 2.00	\$ 60,888.00	\$ -	\$ -	\$ -	\$ -	\$ 60,888.00
8	SUBGRADE TREATMENT, GEOGRID	SY	600.00					600.00	\$ 9.00	\$ 5,400.00	\$ -	\$ -	\$ -	\$ -	\$ 5,400.00
9	SUBBASE, MODIFIED 4 IN.	SY	7,014.00					7,014.00	\$ 25.00	\$ 175,350.00	\$ -	\$ -	\$ -	\$ -	\$ 175,350.00
10	SUBBASE, MODIFIED 6 IN.	SY	68.50					68.50	\$ 25.00	\$ 1,712.50	\$ -	\$ -	\$ -	\$ -	\$ 1,712.50
11	SUBBASE, MODIFIED 12 IN.	SY	30,444.00					30,444.00	\$ 20.00	\$ 608,880.00	\$ -	\$ -	\$ -	\$ -	\$ 608,880.00
12	REMOVALS, STRUCTURES	EACH	1.00					1.00	\$ 700.00	\$ 700.00	\$ -	\$ -	\$ -	\$ -	\$ 700.00
13	REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL	CY	200.00					200.00	\$ 31.00	\$ 6,200.00	\$ -	\$ -	\$ -	\$ -	\$ 6,200.00
14	STORM SEWER, TRENCHED, RCP, CLASS III, 15 IN.	LF	3,105.00					3,105.00	\$ 88.00	\$ 273,240.00	\$ -	\$ -	\$ -	\$ -	\$ 273,240.00
15	STORM SEWER, TRENCHED, RCP, CLASS III, 18 IN.	LF	1,268.00					1,268.00	\$ 94.00	\$ 119,192.00	\$ -	\$ -	\$ -	\$ -	\$ 119,192.00
16	STORM SEWER, TRENCHED, RCP, CLASS III, 24 IN.	LF	36.00					36.00	\$ 110.00	\$ 3,960.00	\$ -	\$ -	\$ -	\$ -	\$ 3,960.00
17	STORM SEWER, TRENCHED, RCP, CLASS III, 30 IN.	LF	355.00					355.00	\$ 125.00	\$ 44,375.00	\$ -	\$ -	\$ -	\$ -	\$ 44,375.00
18	STORM SEWER, TRENCHED, RCP, CLASS III, 36 IN.	LF	148.00					148.00	\$ 150.00	\$ 22,200.00	\$ -	\$ -	\$ -	\$ -	\$ 22,200.00
19	STORM SEWER, TRENCHED, RCP, CLASS III, 37x23 IN ARCH PIPE	LF	17.00					17.00	\$ 160.00	\$ 2,720.00	\$ -	\$ -	\$ -	\$ -	\$ 2,720.00
20	REMOVAL OF STORM SEWER, RCP, LESS THAN 36 IN.	LF	1,722.00					1,722.00	\$ 10.00	\$ 17,220.00	\$ -	\$ -	\$ -	\$ -	\$ 17,220.00
21	RCP APRON FOOTINGS 4030.221	EACH	3.00					3.00	\$ 1,000.00	\$ 3,000.00	\$ -	\$ -	\$ -	\$ -	\$ 3,000.00
22	18" RCP APRON 4030.222	EACH	1.00					1.00	\$ 1,300.00	\$ 1,300.00	\$ -	\$ -	\$ -	\$ -	\$ 1,300.00
23	24" RCP APRON 4030.222	EACH	1.00					1.00	\$ 1,300.00	\$ 1,300.00	\$ -	\$ -	\$ -	\$ -	\$ 1,300.00
24	36" RCP APRON 4030.222	EACH	1.00					1.00	\$ 2,350.00	\$ 2,350.00	\$ -	\$ -	\$ -	\$ -	\$ 2,350.00
25	PIPE APRON GUARD, 18" RCP, IN PLACE 4030.224	EACH	1.00					1.00	\$ 1,775.00	\$ 1,775.00	\$ -	\$ -	\$ -	\$ -	\$ 1,775.00
26	PIPE APRON GUARD, 24" RCP, IN PLACE 4030.224	EACH	1.00					1.00	\$ 2,000.00	\$ 2,000.00	\$ -	\$ -	\$ -	\$ -	\$ 2,000.00
27	PIPE APRON GUARD, 36" RCP, IN PLACE 4030.224	EACH	1.00					1.00	\$ 1,775.00	\$ 1,775.00	\$ -	\$ -	\$ -	\$ -	\$ 1,775.00
28	SUBDRAIN, TYPE S, 6 IN.	LF	9,545.10					9,545.10	\$ 15.00	\$ 143,176.50	\$ -	\$ -	\$ -	\$ -	\$ 143,176.50
29	SUBDRAIN CONNECTIONS, CONNECT TO EXISTING SUBDRAIN, 6 IN.	EACH	18.00					18.00	\$ 200.00	\$ 3,600.00	\$ -	\$ -	\$ -	\$ -	\$ 3,600.00
30	SUBDRAIN OUTLETS, 4040.233	EACH	90.00					90.00	\$ 300.00	\$ 27,000.00	\$ -	\$ -	\$ -	\$ -	\$ 27,000.00
31	WATER MAIN, TRENCHED, DUCTILE IRON PIPE (DIP), 16 IN, POLY WRAPPED	LF		1,636.50				1,636.50	\$ 155.00	\$ -	\$ 253,657.50	\$ -	\$ -	\$ -	\$ 253,657.50
32	WATER MAIN, TRENCHED, DUCTILE IRON PIPE (DIP), 12 IN, POLY WRAPPED	LF		68.50				68.50	\$ 130.00	\$ -	\$ 8,905.00	\$ -	\$ -	\$ -	\$ 8,905.00
33	WATER MAIN, TRENCHED, DUCTILE IRON PIPE (DIP), 8 IN, POLY WRAPPED	LF		40.10				40.10	\$ 85.00	\$ -	\$ 3,408.50	\$ -	\$ -	\$ -	\$ 3,408.50
34	IN, POLY WRAPPED, (HYD EXT)	LF		130.80				130.80	\$ 80.00	\$ -	\$ 10,464.00	\$ -	\$ -	\$ -	\$ 10,464.00
35	GASKETS, NITRILE	EACH		5.00				5.00	\$ 350.00	\$ -	\$ 1,750.00	\$ -	\$ -	\$ -	\$ 1,750.00
36	FITTINGS BY COUNT, DUCTILE IRON, 12 IN, MJ CAP	EACH		1.00				1.00	\$ 370.00	\$ -	\$ 370.00	\$ -	\$ -	\$ -	\$ 370.00
37	FITTINGS BY COUNT, DUCTILE IRON, 16 IN, 45° ELBOW	EACH		12.00				12.00	\$ 750.00	\$ -	\$ 9,000.00	\$ -	\$ -	\$ -	\$ 9,000.00
38	FITTINGS BY COUNT, DUCTILE IRON, 16 IN, 11.25° ELBOW	EACH		2.00				2.00	\$ 700.00	\$ -	\$ 1,400.00	\$ -	\$ -	\$ -	\$ 1,400.00
39	FITTINGS BY COUNT, DUCTILE IRON, 6 IN, 22.5° ELBOW	EACH		1.00				1.00	\$ 375.00	\$ -	\$ 375.00	\$ -	\$ -	\$ -	\$ 375.00
40	FITTINGS BY COUNT, DUCTILE IRON, 6 IN, 45° ELBOW	EACH		1.00				1.00	\$ 450.00	\$ -	\$ 450.00	\$ -	\$ -	\$ -	\$ 450.00
41	FITTINGS BY COUNT, DUCTILE IRON, 16 IN X 16 IN X 12 IN, TEE	EACH		1.00				1.00	\$ 1,000.00	\$ -	\$ 1,000.00	\$ -	\$ -	\$ -	\$ 1,000.00
42	FITTINGS BY COUNT, DUCTILE IRON, 16 IN X 16 IN X 8 IN, TEE	EACH		1.00				1.00	\$ 1,000.00	\$ -	\$ 1,000.00	\$ -	\$ -	\$ -	\$ 1,000.00
43	VALVE, BUTTERFLY, DIP, 16 IN	EACH		4.00				4.00	\$ 6,000.00	\$ -	\$ 24,000.00	\$ -	\$ -	\$ -	\$ 24,000.00
44	VALVE, GATE, DIP, 12 IN	EACH		1.00				1.00	\$ 3,000.00	\$ -	\$ 3,000.00	\$ -	\$ -	\$ -	\$ 3,000.00
45	VALVE, GATE, DIP, 8 IN	EACH		2.00				2.00	\$ 2,500.00	\$ -	\$ 5,000.00	\$ -	\$ -	\$ -	\$ 5,000.00
46	VALVE, GATE, DIP, 6 IN	EACH			1.00			1.00	\$ 1,750.00	\$ -	\$ 1,750.00	\$ -	\$ -	\$ -	\$ 1,750.00
47	VALVE, ADJUSTMENT	EACH			3.00			3.00	\$ 500.00	\$ -	\$ 1,500.00	\$ -	\$ -	\$ -	\$ 1,500.00
48	FIRE HYDRANT ASSEMBLY	EACH		2.00				2.00	\$ 7,000.00	\$ -	\$ 14,000.00	\$ -	\$ -	\$ -	\$ 14,000.00
49	ALTERNATE FIRE HYDRANT ASSEMBLY	EACH		4.00				4.00	\$ 7,250.00	\$ -	\$ 29,000.00	\$ -	\$ -	\$ -	\$ 29,000.00
50	FIRE HYDRANT, END OF MAIN	EACH		1.00				1.00	\$ 6,800.00	\$ -	\$ 6,800.00	\$ -	\$ -	\$ -	\$ 6,800.00
51	FIRE HYDRANT ASSEMBLY, REMOVE & RELOCATE	EACH				5.00		5.00	\$ 1,400.00	\$ -	\$ 7,000.00	\$ -	\$ -	\$ -	\$ 7,000.00
52	MANHOLE, SW-401, 48 IN.	EACH		5.00				5.00	\$ 4,700.00	\$ 23,500.00	\$ -	\$ -	\$ -	\$ -	\$ 23,500.00
53	INTAKE, SW-507	EACH		18.00				18.00	\$ 6,300.00	\$ 113,400.00	\$ -	\$ -	\$ -	\$ -	\$ 113,400.00
54	INTAKE, SW-508	EACH		9.00				9.00	\$ 7,450.00	\$ 67,050.00	\$ -	\$ -	\$ -	\$ -	\$ 67,050.00
55	INTAKE, SW-509	EACH		11.00				11.00	\$ 7,700.00	\$ 84,700.00	\$ -	\$ -	\$ -	\$ -	\$ 84,700.00
56	INTAKE, SW-510	EACH		5.00				5.00	\$ 9,300.00	\$ 46,500.00	\$ -	\$ -	\$ -	\$ -	\$ 46,500.00
57	INTAKE, SW-513	EACH		8.00				8.00	\$ 7,200.00	\$ 57,600.00	\$ -	\$ -	\$ -	\$ -	\$ 57,600.00
58	INTAKE, SW-545	EACH		2.00				2.00	\$ 9,300.00	\$ 18,600.00	\$ -	\$ -	\$ -	\$ -	\$ 18,600.00
59	CONNECTION TO EXISTING MANHOLE OR INTAKE	EACH		6.00				6.00	\$ 1,000.00	\$ 6,000.00	\$ -	\$ -	\$ -	\$ -	\$ 6,000.00
60	REMOVALS, MANHOLE OR INTAKE	EACH		15.00				15.00	\$ 600.00	\$ 9,000.00	\$ -	\$ -	\$ -	\$ -	\$ 9,000.00
61	STANDARD OR SLIP FORM PORTLAND CEMENT CONCRETE PAVEMENT, CLASS C-SUD, CLASS 3 DURABILITY, 9 IN.	SY	26,379.70					26,379.70	\$ 52.00	\$ 1,371,744.40	\$ -	\$ -	\$ -	\$ -	\$ 1,371,744.40
62	CONCRETE MEDIAN, STANDARD PAVEMENT, CLASS C-4, CLASS 3 DURABILITY, 6 IN.	SY		68.50				68.50	\$ 70.00	\$ 4,795.00	\$ -	\$ -	\$ -	\$ -	\$ 4,795.00
63	TEMPORARY PAVEMENT, 6" PCC	SY		45.00				45.00	\$ 65.00	\$ 2,925.00	\$ -	\$ -	\$ -	\$ -	\$ 2,925.00
64	CURB AND GUTTER, ROLLED, 6 IN.	LF		75.00				75.00	\$ 48.00	\$ 3,600.00	\$ -	\$ -	\$ -	\$ -	\$ 3,600.00
65	REMOVAL OF SIDEWALK, SHARED USE PATH, OR DRIVEWAY	SY		1,251.70				1,251.70	\$ 9.00	\$ 11,265.30	\$ -	\$ -	\$ -	\$ -	\$ 11,265.30
66	SHARED USE PATHS, PCC, 6 IN.	SY		5,652.30				5,652.30	\$ 48.00	\$ 271,310.40	\$ -	\$ -	\$ -	\$ -	\$ 271,310.40
67	PCC SIDEWALK, PCC, 4 IN.	SY		1,087.80				1,087.80	\$ 66.00	\$ 71,794.80	\$ -	\$ -	\$ -	\$ -	\$ 71,794.80
68	PCC SIDEWALK, PCC, 6 IN.	SY		114.50				114.50	\$ 130.00	\$ 14,885.00	\$ -	\$ -	\$ -	\$ -	\$ 14,885.00
69	BRICK PAVERS, TYPE 1	SY		1,319.50				1,319.50	\$ 70.00	\$ 92,365.00	\$ -	\$ -	\$ -	\$ -	\$ 92,365.00
70	BRICK PAVERS, TYPE 2	SY		1,522.00				1,522.00	\$ 15.00	\$ 22,830.00	\$ -	\$ -	\$ -	\$ -	\$ 22,830.00
71	DETECTABLE WARNINGS, CAST IRON	SF		813.00				813.00	\$ 52.00	\$ 42,276.00	\$ -	\$ -	\$ -	\$ -	\$ 42,276.00
72	DRIVEWAYS, PCC, 6 IN.	SY		168.00				168.00	\$ 58.00	\$ 9,744.00	\$ -	\$ -	\$ -	\$ -	\$ 9,744.00
73	GRANULAR DRIVEWAY SURFACING, CLASS A	TON		104.60				104.60	\$ 38.00	\$ 3,974.80	\$ -	\$ -	\$ -	\$ -	\$ 3,974.80
74	REMOVAL OF PAVEMENT	SY		21,566.10				21,566.10	\$ 8.00	\$ 172,528.80	\$ -	\$ -	\$ -	\$ -	\$ 172,528.80
75	CURB AND GUTTER REMOVAL	LF		1,040.00				1,040.00	\$ 10.00	\$ 10,400.00	\$ -	\$ -	\$ -	\$ -	\$ 10,400.00
76	SAWCUT FOR REMOVALS	LF		486.00				486.00	\$ 7.00	\$ 3,402.00	\$ -	\$ -	\$ -	\$ -	\$ 3,402.00
77	TRAFFIC SIGNALIZATION,														



80	PAINTED PAVEMENT MARKINGS, SOLVENT WATERBORNE	STA	297.16			297.16	\$ 80.00	\$ 23,772.80	\$ -	\$ -	\$ -	\$ 23,772.80
81	WET, RETROREFLECTIVE REMOVABLE TAPE MARKINGS	STA	1.88			1.88	\$ 120.00	\$ 225.60	\$ -	\$ -	\$ -	\$ 225.60
82	PAINTED SYMBOLS AND LEGENDS, SOLVENT WATERBORNE	EACH	29.00			29.00	\$ 75.00	\$ 2,175.00	\$ -	\$ -	\$ -	\$ 2,175.00
83	TRAFFIC CONTROL	LS	1.00			1.00	\$ 35,000.00	\$ 35,000.00	\$ -	\$ -	\$ -	\$ 35,000.00
84	PORTABLE DYNAMIC MESSAGE SIGN	CDAY	15.00			15.00	\$ 150.00	\$ 2,250.00	\$ -	\$ -	\$ -	\$ 2,250.00
85	FLAGGER	EACH	30.00			30.00	\$ 600.00	\$ 18,000.00	\$ -	\$ -	\$ -	\$ 18,000.00
86	SAFETY CLOSURE	EACH	13.00			13.00	\$ 155.00	\$ 2,015.00	\$ -	\$ -	\$ -	\$ 2,015.00
87	TEMPORARY BUSINESS ACCESS SIGNS	EACH	17.00			17.00	\$ 120.00	\$ 2,040.00	\$ -	\$ -	\$ -	\$ 2,040.00
88	REMOVAL OF CONCRETE FOOTINGS	EACH	17.00			17.00	\$ 650.00	\$ 11,050.00	\$ -	\$ -	\$ -	\$ 11,050.00
89	LIGHT POLES, REMOVE & REINSTALL	EACH	2.00			2.00	\$ 2,750.00	\$ 5,500.00	\$ -	\$ -	\$ -	\$ 5,500.00
90	LIGHT POLES, 33'-6" METAL POLE W/ BREAKAWAY BASE AND 12' MAST ARM	EACH	51.00			51.00	\$ 5,500.00	\$ 280,500.00	\$ -	\$ -	\$ -	\$ 280,500.00
91	LIGHTING, LANDSCAPE LUMINAIRE	EACH		2.00		2.00	\$ 3,750.00	\$ -	\$ -	\$ 7,500.00	\$ -	\$ 7,500.00
92	ELECTRICAL CIRCUITS	LF	9,165.00			9,165.00	\$ 18.00	\$ 164,970.00	\$ -	\$ -	\$ -	\$ 164,970.00
93	ELECTRICAL CIRCUITS, PULL ROPE ONLY	LF	4,920.00			4,920.00	\$ 16.00	\$ 78,720.00	\$ -	\$ -	\$ -	\$ 78,720.00
94	HANDHOLES AND JUNCTION BOXES	EACH	18.00			18.00	\$ 1,000.00	\$ 18,000.00	\$ -	\$ -	\$ -	\$ 18,000.00
95	CONTROL CABINET	EACH	1.00			1.00	\$ 10,000.00	\$ 10,000.00	\$ -	\$ -	\$ -	\$ 10,000.00
96	TYPE A SIGNS, SHEET ALUMINUM	SF	775.80			775.80	\$ 25.00	\$ 19,395.00	\$ -	\$ -	\$ -	\$ 19,395.00
97	PERFORATED SQUARE STEEL TUBE POSTS	LF	1,082.80			1,082.80	\$ 10.00	\$ 10,828.00	\$ -	\$ -	\$ -	\$ 10,828.00
98	PERFORATED SQUARE STEEL TUBE POST ANCHOR, BREAK-AWAY SOIL INSTALLATION	EACH	97.00			97.00	\$ 275.00	\$ 26,675.00	\$ -	\$ -	\$ -	\$ 26,675.00
99	REMOVAL OF TYPE A SIGN ASSEMBLY	EACH	24.00			24.00	\$ 50.00	\$ 1,200.00	\$ -	\$ -	\$ -	\$ 1,200.00
100	REMOVE & REINSTALL OF TYPE B SIGN ASSEMBLY	EACH	2.00			2.00	\$ 1,200.00	\$ 2,400.00	\$ -	\$ -	\$ -	\$ 2,400.00
101	WATERING	MGAL	100.00			100.00	\$ 110.00	\$ 11,000.00	\$ -	\$ -	\$ -	\$ 11,000.00
102	LANDSCAPING	LS	0.33	0.33	0.33	1.00	\$ 780,000.00	\$ 260,000.00	\$ 260,000.00	\$ -	\$ -	\$ 780,000.00
103	SWPPP MANAGEMENT	LS	1.00			1.00	\$ 15,000.00	\$ 15,000.00	\$ -	\$ -	\$ -	\$ 15,000.00
104	STABILIZED CONSTRUCTION ENTRANCE	TON	96.00			96.00	\$ 35.00	\$ 3,360.00	\$ -	\$ -	\$ -	\$ 3,360.00
105	TEMPORARY HYDRO-SEEDING, TYPE 1	ACRE	3.00			3.00	\$ 3,000.00	\$ 9,000.00	\$ -	\$ -	\$ -	\$ 9,000.00
106	SEEDING, FERTILIZING, AND MULCHING FOR HYDRAULIC SEEDING, TYPE 1	ACRE	3.00			3.00	\$ 4,000.00	\$ 12,000.00	\$ -	\$ -	\$ -	\$ 12,000.00
107	SEEDING, FERTILIZING, AND MULCHING FOR HYDRAULIC SEEDING, TYPE 2	ACRE	3.00			3.00	\$ 4,000.00	\$ 12,000.00	\$ -	\$ -	\$ -	\$ 12,000.00
108	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 12 IN.	LF	16,352.00			16,352.00	\$ 2.50	\$ 40,880.00	\$ -	\$ -	\$ -	\$ 40,880.00
109	REMOVAL OF PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE	LF	16,352.00			16,352.00	\$ 0.50	\$ 8,176.00	\$ -	\$ -	\$ -	\$ 8,176.00
110	SILT FENCE INSTALLATION	LF	7,085.00			7,085.00	\$ 1.70	\$ 12,044.50	\$ -	\$ -	\$ -	\$ 12,044.50
111	MAINTENANCE OF SILT FENCE	LF	5,000.00			5,000.00	\$ 1.70	\$ 8,500.00	\$ -	\$ -	\$ -	\$ 8,500.00
112	REMOVAL OF SILT FENCE	LF	7,085.00			7,085.00	\$ 0.10	\$ 708.50	\$ -	\$ -	\$ -	\$ 708.50
113	ROLLED EROSION CONTROL PRODUCT, TYPE II	SY	825.75			825.75	\$ 10.00	\$ 8,257.50	\$ -	\$ -	\$ -	\$ 8,257.50
114	REVTMENT, CLASS E RIP RAP APRON (& ENG. FABRIC) FOR PIPE OUTLET, 9040.111	TON	39.40			39.40	\$ 60.00	\$ 2,364.00	\$ -	\$ -	\$ -	\$ 2,364.00
115	OPEN-THROAT CURB INTAKE SEDIMENT FILTER	LF	480.70			480.70	\$ 110.00	\$ 52,877.00	\$ -	\$ -	\$ -	\$ 52,877.00
116	MAINTENANCE OF OPEN-THROAT CURB INTAKE SEDIMENT FILTER	EACH	45.00			45.00	\$ 25.00	\$ 1,125.00	\$ -	\$ -	\$ -	\$ 1,125.00
117	REMOVAL OF OPEN-THROAT CURB INTAKE SEDIMENT FILTER	EACH	45.00			45.00	\$ 25.00	\$ 1,125.00	\$ -	\$ -	\$ -	\$ 1,125.00
118	INTAKE PROTECTION, SEDIMENT CONTROL DEVICE, 12 IN	EACH	8.00			8.00	\$ 150.00	\$ 1,200.00	\$ -	\$ -	\$ -	\$ 1,200.00
119	MAINTENANCE OF INTAKE PROTECTION, SEDIMENT CONTROL DEVICE	EACH	8.00			8.00	\$ 50.00	\$ 400.00	\$ -	\$ -	\$ -	\$ 400.00
120	REMOVAL OF INTAKE PROTECTION, SEDIMENT CONTROL DEVICE	EACH	8.00			8.00	\$ 25.00	\$ 200.00	\$ -	\$ -	\$ -	\$ 200.00
121	MOWING	ACRE	6.00			6.00	\$ 400.00	\$ 2,400.00	\$ -	\$ -	\$ -	\$ 2,400.00
122	FIELD FENCE, BRACE PANELS	EACH	2.00			2.00	\$ 300.00	\$ 600.00	\$ -	\$ -	\$ -	\$ 600.00
123	FIELD FENCE, REMOVAL	LF	171.00			171.00	\$ 10.00	\$ 1,710.00	\$ -	\$ -	\$ -	\$ 1,710.00
124	CAST IRON MONUMENT BOX	EACH	2.00			2.00	\$ 500.00	\$ 1,000.00	\$ -	\$ -	\$ -	\$ 1,000.00
125	MOBILIZATION	LS	1.00			1.00	\$ 600,000.00	\$ 600,000.00	\$ -	\$ -	\$ -	\$ 600,000.00
126	CONCRETE WASHOUT	LS	1.00			1.00	\$ 10,000.00	\$ 10,000.00	\$ -	\$ -	\$ -	\$ 10,000.00
								Division Totals	\$ 6,464,133.90	\$ 633,580.00	\$ 267,500.00	\$ 10,250.00
											<b>Total Estimated Costs</b>	<b>\$ 7,365,463.90</b>



## 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:** March 29, 2022  
**SUBJECT:** McMahill First Addition conveyances

As you may recall, the City and the Cedar Falls Community School District jointly purchased property for the development of Aldrich School, a park and other public amenities. The platted subdivision is known as McMahill First Addition in the City of Cedar Falls, Black Hawk County, Iowa.

While the Deed of Dedication for the subdivision established certain areas such as sidewalks and trails to be dedicated for public use and streets were dedicated to the City, certain other areas remain in joint ownership between the City and the School District.

By prior agreement of the parties, certain parcels within McMahill First Addition were to remain in joint ownership, but certain other parcels were to be solely owned by either the City or the School District. Accordingly, it is necessary that each party convey its undivided one-half interest in the parcel to the other party.

The City is conveying its undivided one-half interest in Lot 1 and Tract F to the School District and the School District is conveying its undivided one-half interest in Lot 2 and Tract C to the City. The School District is also conveying a Permanent Drainage Easement to the City for storm water purposes.

The Board of Directors of the Cedar Falls Community School District has scheduled a public hearing for April 11<sup>th</sup> on its proposed conveyances to the City.

Iowa law requires that a public hearing be held on conveyances of land by the City and that is the purpose of the Resolution now under consideration. The public hearing is requested to be scheduled for the regular Council meeting on April 18, 2022, at 7:00 pm. Also on the agenda on the 18<sup>th</sup> will be a Resolution approving and accepting the conveyances by the School District to the City. Approving and accepting the conveyances by the School District does not require a public hearing so there will be a separate Resolution on the agenda following the public hearing on the City's proposed conveyance. Council's action will be contingent on the School Board approving the conveyances by the School District to the City as described above.

Please feel free to contact me with any questions.

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

**RESOLUTION NO. \_\_\_\_\_**

**RESOLUTION SETTING DATE OF PUBLIC HEARING TO CONSIDER CONVEYANCE OF INTEREST IN CERTAIN CITY-OWNED REAL ESTATE TO THE CEDAR FALLS COMMUNITY SCHOOL DISTRICT AND DIRECTING PUBLICATION OF NOTICE OF SAID PUBLIC HEARING**

**WHEREAS**, the City of Cedar Falls, Iowa (“City”) and the Cedar Falls Community School District (“School District”) jointly purchased land in the City for development of a school, a park and other public amenities; and

**WHEREAS**, the City and School District subdivided this land by way of Final Plat of McMahill First Addition in the City of Cedar Falls, such Final Plat being approved by the City in Council Resolution No. 22,058 dated July 20, 2020; and

**WHEREAS**, pursuant to prior agreement between the City and the School District, certain parcels within McMahill First Addition would remain jointly owned by the parties but certain other parcels would be owned solely by the City or solely owned by the School District; and

**WHEREAS**, conveyances by the City and by the School District to each other of their respective shares in the parcels to be solely owned are necessary to carry out the terms of the prior agreement of the parties; and

**WHEREAS**, the conveyance proposed by the City to the School District is as follows:

An undivided one-half (1/2) interest in Lot 1 and in Tract F, McMahill First Addition in the City of Cedar Falls, Black Hawk County, Iowa; and

**WHEREAS**, the City Council has determined that a public hearing should be scheduled on the City’s proposed conveyance, and notice of said public hearing should be published as required by law.

**NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF CEDAR FALLS, IOWA**, that a hearing be held on the 18th day of April, 2022, at 7:00 p.m., at the Community Center, 528 Main Street, Cedar Falls, Iowa, to consider conveyance by the City of the real estate described above to the Cedar Falls Community School District. The City Clerk is hereby directed to publish said notice of said public hearing.

**ADOPTED** this 4<sup>th</sup> day of April, 2022.

\_\_\_\_\_  
Robert M. Green, Mayor

**ATTEST:**

\_\_\_\_\_  
Jacqueline Danielsens, MMC, City Clerk

CERTIFICATE

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

I, Jacqueline Danielsen, City Clerk of the City of Cedar Falls, Iowa, hereby certify that the above and foregoing is a true and correct typewritten copy of Resolution No. \_\_\_\_\_ duly and legally adopted by the City Council of said City on the 4<sup>th</sup> day of April, 2022.

IN WITNESS WHEREOF, I have hereunto signed my name and affixed the official seal of the City of Cedar Falls, Iowa this \_\_\_\_\_ day of \_\_\_\_\_, 2022.

\_\_\_\_\_  
Jacqueline Danielsen  
City Clerk of Cedar Falls, 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

### MEMORANDUM

#### *Planning & Community Services Division*

**TO:** Honorable Mayor Robert M Green and City Council  
**FROM:** Michelle Pezley, Planner III  
**DATE:** March 25, 2022  
**SUBJECT:** Housing Commission be reduced to five members by amending Code of Ordinances, Chapter 11-1(c).

There are three vacancies on the Housing Commission with one of the vacancies have been open since July. Since then, no one has shown interest in the Housing Commission. The Commission consists of seven members appointed to two-year terms, which makes it challenging to maintain a full board and have a quorum at each meeting.

Iowa Code Chapter 403A sets forth the rules for establishing a local Housing Commission. It states that the Commission shall consist of five commissioners appointed to two-year terms. Only cities with populations greater than 100,000 are allowed to appoint more than five members. The work of the Commission is important but often sporadic as it primarily involves review of City policies and actions related to the federal programs, including the annual and 5-year plan for Community Development Block Grant funds and annual changes to payment standards and administrative policies for the Housing Choice Voucher Program. The Commission meets once a month unless there is no business for the agenda.

Staff recommends reducing the number of members on the Housing Commission to five members to be consistent with Iowa law. This policy change involves changing the Code of Ordinances, Chapter 11-1 (c), and the Housing Commission Bylaws. Staff proposes to bring the Housing Commission Bylaws to the City Council when the third reading of the Ordinance is proposed.

At the Housing Commission meeting in February, the Commission recommended approval reducing the Commission to five members.

Please contact staff with any questions. Thank you.

Xc: Stephanie Houk Sheetz, AICP, Director of Community Development  
 Karen Howard, AICP, Planning & Community Services Manager



Prepared by: Michelle Pezley Planner III, 220 Clay Street, Cedar Falls, IA 50613, (319)273-8600

**ORDINANCE NO. \_\_\_\_\_**

**AN ORDINANCE TO DECREASE THE NUMBER OF MEMBERS OF THE HOUSING COMMISSION FROM SEVEN TO FIVE BY AMENDING PARAGRAPH (C) OF SECTION 11-1, ADMINISTRATIVE BODIES, OF ARTICLE I., IN GENERAL, OF CHAPTER 11, HOUSING, OF THE CODE OF ORDINANCES OF THE CITY OF CEDAR FALLS, IOWA.**

**WHEREAS**, the City of Cedar Falls has created a Housing Commission to carry out studies and analyses of the housing needs of the community; and

**WHEREAS**, the Housing Commission recommended approval to reduce the number of members on the Housing Commission from seven to five; and

**WHEREAS**, it is deemed in the best interests of the City to reduce the number of members on the Housing Commission from seven to five to be consistent with Iowa Code Chapter 403A; and

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

Section 1. Paragraph (c) of Section 11-1, Administrative bodies, of Article I, In General, of Chapter 11, Housing, of the Code of Ordinances of the City of Cedar Falls, Iowa, is hereby repealed in its entirety and a new paragraph (c), as follows, is enacted in lieu thereof:

(c) There is hereby created such board of commissioners of the housing commission consisting of five residents of the city, who shall be qualified by knowledge, experience and background to act in matters pertaining to low rent housing for the residents of the city. An attempt shall be made to secure membership from varying income groups, especially low income, to a maximum of three. The members of the board of commissioners shall be appointed by the mayor subject to the approval of the city council. The term of office for each commissioner shall be two years. The mayor shall designate a chairperson and vice-chairperson from among the commissioners. Vacancies occurring on the board caused by resignation or otherwise shall be filled by the mayor and approved by the council for the unexpired term. All members of the board shall serve without compensation except necessary expenses, including travel expenses incurred in the discharge of their duties.

INTRODUCED: \_\_\_\_\_ April 4, 2022 \_\_\_\_\_

PASSED 1<sup>ST</sup> CONSIDERATION: \_\_\_\_\_

PASSED 2<sup>ND</sup> CONSIDERATION: \_\_\_\_\_

PASSED 3<sup>RD</sup> CONSIDERATION: \_\_\_\_\_

ADOPTED: \_\_\_\_\_

\_\_\_\_\_  
Robert M. Green, Mayor

**ATTEST:**

\_\_\_\_\_  
Jacqueline Danielsens, MMC, City Clerk



## FINANCE &amp; BUSINESS OPERATIONS

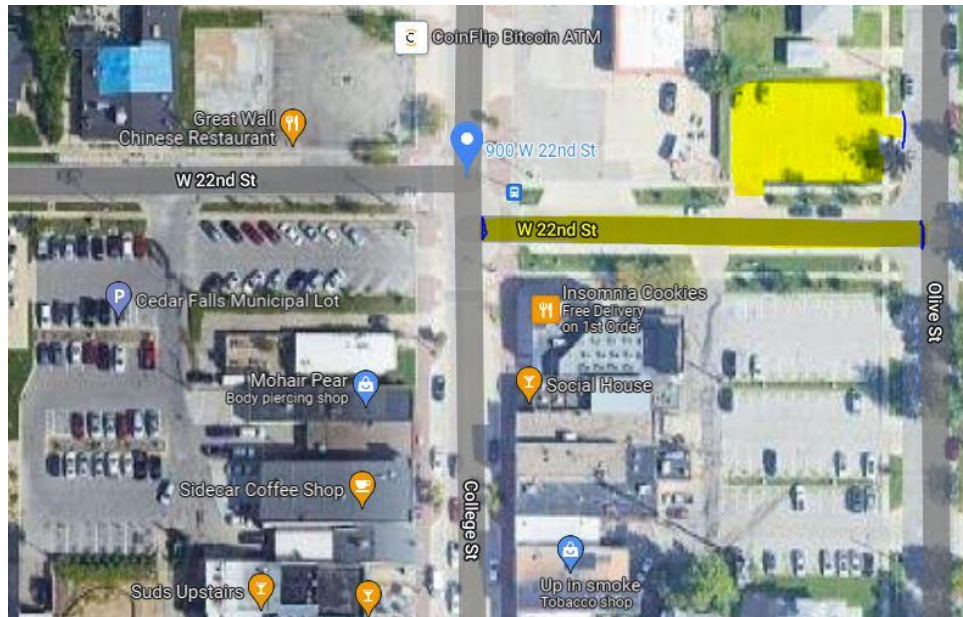
CITY OF CEDAR FALLS, IOWA  
 220 CLAY STREET  
 CEDAR FALLS, IOWA 50613  
 319-273-8600  
 FAX 319-268-5126

## MEMORANDUM

Public Records Division

**TO:** Honorable Mayor Green and City Council  
**FROM:** Jacque Danielsen, City Clerk  
**DATE:** March 24, 2022  
**SUBJECT:** Proposed amendment to change the dates when parking is prohibited for the College Hill Farmers Market

Please find enclosed a proposed ordinance to change the prohibited parking in the 22<sup>nd</sup> Street East-North municipal parking lot and on West 22<sup>nd</sup> Street between Olive Street and College Street (highlighted on the map) from Thursdays to Wednesdays during the months of June thru October each year for the College Hill Farmers Market. The date change was requested by the College Hill Farmers Market and College Hill Partnership (attached).



The College Hill Farmers Market has been operating since 2013 and similar to the Downtown Farmers Market, parking is prohibited in this area only during the hours of the market, with extra time allowed for set-up and take-down.

If you have any questions regarding this amendment, please feel free to contact me. Thank you.



March 14, 2022

The College Hill Farmers Market (CHFM) in partnership with College Hill Partnership and UNI-Center for Energy & Environmental Education (CEEE) is requesting a city ordinance change from Thursdays 2:30-6:30 p.m. to Wednesdays 2:30-6:30 p.m. on 22nd St. between Olive St. and College St. and the public parking lot behind Bani's. This change will be permanent. We believe Wednesdays are a better fit for the market so customers can easily shop at both Wednesday and Saturday markets.

Sincerely,

A handwritten signature in blue ink that reads "Jodie Huegerich".

Jodie Huegerich,  
CHFM Market Manager

A handwritten signature in blue ink that reads "Kathryn Sogard".

Kathryn Sogard  
On Behalf of College Hill Partnership

ORDINANCE NO. \_\_\_\_\_

AN ORDINANCE AMENDING SECTION 23-423, PARKING PROHIBITED IN CERTAIN PARKING SPACES DURING CERTAIN HOURS, OF DIVISION 2, PARKING ENFORCEMENT DISTRICTS, EQUIPMENT, OPERATIONS AND FACILITIES, OF ARTICLE IV-STOPPING, STANDING AND PARKING, OF CHAPTER 23, TRAFFIC AND MOTOR VEHICLES, OF THE CODE OF ORDINANCES OF THE CITY OF CEDAR FALLS, IOWA, BY CHANGING THE DAY FROM THURSDAY TO WEDNESDAY.

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

Section 23-423, Parking prohibited in certain parking spaces during certain hours, of Division 2, Parking Enforcement Districts, Equipment, Operations and Facilities, of Article IV, Stopping, Standing and Parking, of Chapter 23, Traffic and Motor Vehicles, of the Code of Ordinances of the City of Cedar Falls, Iowa, is hereby repealed in its entirety and a new Section 23-423, Parking prohibited in certain parking spaces during certain hours is enacted in lieu thereof, as follows:

**Sec. 23-423. Parking prohibited in certain parking spaces during certain hours.**

When signs are erected giving notice thereof, parking or standing a vehicle shall be prohibited on ~~Thursday~~Wednesday afternoons only commencing with the first ~~Thursday~~Wednesday of June of each year and continuing through the last ~~Thursday~~Wednesday of October of each year during the hours of 2:00 p.m. to 7:00 p.m. on the following portions of streets and municipal parking lots:

- (1) Anywhere within the 22<sup>nd</sup> Street East-North municipal parking lot.
- (2) West 22<sup>nd</sup> Street from Olive Street to College Street.

INTRODUCED: \_\_\_\_\_ April 4, 2022

PASSED 1<sup>ST</sup> CONSIDERATION: \_\_\_\_\_

PASSED 2<sup>ND</sup> CONSIDERATION: \_\_\_\_\_

PASSED 3<sup>RD</sup> CONSIDERATION: \_\_\_\_\_

ADOPTED: \_\_\_\_\_

ATTEST:

\_\_\_\_\_  
Robert M. Green, Mayor

\_\_\_\_\_  
Jacqueline Daniels, MMC, City Clerk

# Daily Invoices for Council Meeting 04/04/22

Item 21.

PREPARED 03/29/2022, 10:11:01  
 PROGRAM GM360L  
 CITY OF CEDAR FALLS

ACCOUNT ACTIVITY LISTING

PAGE 1  
 ACCOUNTING PERIOD 09/2022

GROUP NBR	PO NBR	ACCTG PER.	----TRANSACTION----	CD	DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE	POST DT
FUND 101 GENERAL FUND											
101-1038-441.81-32			PROFESSIONAL SERVICES / TUITION ASSISTANCE								
1683		09/22 AP	03/07/22		0396831		GETZ, JOSH	1,410.00			03/23/22
			TUITION REIMBURSEMENT				FIRE INVEST/FIRE BEHAVIOR				
			ACCOUNT TOTAL					1,410.00	.00	1,410.00	
101-1060-423.89-34			MISCELLANEOUS SERVICES / ENDOWMENT SUPPORTED PROG.								
1683		09/22 AP	02/25/22		0396835		ROOM INC	5,752.00			03/23/22
			PRIVACY ROOM-BLDG TO RMB								
			ACCOUNT TOTAL					5,752.00	.00	5,752.00	
101-1199-441.81-03			PROFESSIONAL SERVICES / RECORDING FEES								
1683		09/22 AP	03/21/22		0396825		BLACK HAWK CO.RECORDER	22.00			03/23/22
			RCD:RESOLUTION #22,678				SETTING DATE OF PH-MCWING				
1683		09/22 AP	03/21/22		0396825		BLACK HAWK CO.RECORDER	22.00			03/23/22
			RCD:RESOLUTION #22,703				AGREEMENT WITH MCWING				
1683		09/22 AP	03/21/22		0396825		BLACK HAWK CO.RECORDER	27.00			03/23/22
			RCD:MIN ASSMT AGMT-MCWING								
1683		09/22 AP	03/21/22		0396825		BLACK HAWK CO.RECORDER	17.00			03/23/22
			RCD:MEMO AGMT-MCWING								
1683		09/22 AP	03/21/22		0396825		BLACK HAWK CO.RECORDER	17.00			03/23/22
			RCD:DEED W/O WRNTY-MCWING				DEED FEE INCLUDED				
1683		09/22 AP	03/21/22		0396825		BLACK HAWK CO.RECORDER	22.00			03/23/22
			RCD:RESOLUTION #22,677				SETTING DATE OF PH-WAYNE				
1683		09/22 AP	03/21/22		0396825		BLACK HAWK CO.RECORDER	22.00			03/23/22
			RCD:RESOLUTION #22,683				AGREEMENT WITH-WAYNE				
1683		09/22 AP	03/21/22		0396825		BLACK HAWK CO.RECORDER	22.00			03/23/22
			RCD:MIN.ASSMT.AGMT-WAYNE								
1683		09/22 AP	03/21/22		0396825		BLACK HAWK CO.RECORDER	17.00			03/23/22
			RCD:MEMO AGREEMENT-WAYNE								
1683		09/22 AP	03/21/22		0396825		BLACK HAWK CO.RECORDER	22.00			03/23/22
			RCD:QUIT CLAIM DEED-WAYNE				DEED FEE INCLUDED				
1683		09/22 AP	03/21/22		0396825		BLACK HAWK CO.RECORDER	22.00			03/23/22
			RCD:RESOLUTION #22,696				SETTING DATE PH-KL IOWA				
1683		09/22 AP	03/21/22		0396825		BLACK HAWK CO.RECORDER	22.00			03/23/22
			RCD:RESOLUTION #22,704				AGREEMENT WITH-KL IOWA				
1683		09/22 AP	03/21/22		0396825		BLACK HAWK CO.RECORDER	22.00			03/23/22
			RCD:MIN.ASMT.AGMT-KL IOWA								
1683		09/22 AP	03/21/22		0396825		BLACK HAWK CO.RECORDER	17.00			03/23/22
			RCD:MEMO AGREEMNT-KL IOWA								
1683		09/22 AP	03/21/22		0396825		BLACK HAWK CO.RECORDER	17.00			03/23/22
			RCD:QUIT CLAIM DEED-KL IA				DEED FEE INCLUDED				
1635		09/22 AP	03/11/22		0396818		BLACK HAWK CO.RECORDER	52.00			03/15/22
			RCD:NTC.FNL.ASSESS.PROC.				BUCKLEY-JACKSON-923 ELLEN				
			ACCOUNT TOTAL					362.00	.00	362.00	



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NBR	NBR	PER.	CD	DATE	NUMBER			BALANCE	----
FUND 101 GENERAL FUND									
101-1199-441.89-13					MISCELLANEOUS SERVICES / CONTINGENCY				
1702		09/22 AP		03/01/22	0396840 CEDAR FALLS UTILITIES	55.89		03/25/22	
					UTILITIES THRU 03/01/22				
					ACCOUNT TOTAL	55.89	.00	55.89	
101-1199-441.89-14					MISCELLANEOUS SERVICES / REFUNDS				
1683		09/22 AP		03/17/22	0396834 PAULSON ELECTRIC	690.00		03/23/22	
					REFUND-OVERPAYMENT FEES 22-0817-ELEC				
					ACCOUNT TOTAL	690.00	.00	690.00	
101-2205-432.88-17					OUTSIDE AGENCIES / CEDAR FALLS BAND				
1635		09/22 AP		03/11/22	0396821 CEDAR FALLS MUNICIPAL BAND	670.10		03/15/22	
					PROPERTY TAX PAYMENT				
					ACCOUNT TOTAL	670.10	.00	670.10	
101-2253-423.85-01					UTILITIES / UTILITIES				
1702		09/22 AP		03/01/22	0396840 CEDAR FALLS UTILITIES	6,888.79		03/25/22	
					UTILITIES THRU 03/01/22				
					ACCOUNT TOTAL	6,888.79	.00	6,888.79	
101-2253-423.85-05					UTILITIES / THE FALLS POOL UTILITIES				
1702		09/22 AP		03/01/22	0396840 CEDAR FALLS UTILITIES	868.37		03/25/22	
					UTILITIES THRU 03/01/22				
					ACCOUNT TOTAL	868.37	.00	868.37	
101-2280-423.72-25					OPERATING SUPPLIES / MILEAGE				
1702		09/22 AP		03/17/22	0396844 SKEENS, HEATHER	14.86		03/25/22	
					RMB:MILEAGE				
1702		09/22 AP		03/04/22	0396842 HINES, MAGGIE	75.05		03/25/22	
					RMB:MILEAGE;7/6/21-3/4/22				
					ACCOUNT TOTAL	89.91	.00	89.91	
101-2280-423.85-01					UTILITIES / UTILITIES				
1702		09/22 AP		03/01/22	0396840 CEDAR FALLS UTILITIES	1,584.04		03/25/22	
					UTILITIES THRU 03/01/22				
					ACCOUNT TOTAL	1,584.04	.00	1,584.04	

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FUND 101 GENERAL FUND										
101-2280-423.89-14						MISCELLANEOUS SERVICES / REFUNDS				
1683		09/22 AP		03/11/22	0396832	MATTHEW KONTZ	399.00		03/23/22	
						REFUND-OLD CREDIT-CANCELLED CLASSES 2018				
						ACCOUNT TOTAL	399.00	.00	399.00	
101-4511-414.85-01 UTILITIES / UTILITIES										
1702		09/22 AP		03/01/22	0396840	CEDAR FALLS UTILITIES	2,739.29		03/25/22	
						UTILITIES THRU 03/01/22				
						ACCOUNT TOTAL	2,739.29	.00	2,739.29	
101-5521-415.72-01 OPERATING SUPPLIES / OPERATING SUPPLIES										
1702		09/22 AP		03/01/22	0396840	CEDAR FALLS UTILITIES	149.25		03/25/22	
						UTILITIES THRU 03/01/22				
						ACCOUNT TOTAL	149.25	.00	149.25	
101-5521-415.83-05 TRANSPORTATION&EDUCATION / TRAVEL (FOOD/MILEAGE/LOD)										
1635		09/22 AP		03/09/22	0396817	BECKNER, MARTIN	49.75		03/15/22	
						RMB:FUEL-HNR.GRD.FUNERAL COUNCIL BLUFFS				
						ACCOUNT TOTAL	49.75	.00	49.75	
101-6613-433.85-01 UTILITIES / UTILITIES										
1702		09/22 AP		03/01/22	0396840	CEDAR FALLS UTILITIES	772.06		03/25/22	
						UTILITIES THRU 03/01/22				
						ACCOUNT TOTAL	772.06	.00	772.06	
101-6616-446.85-01 UTILITIES / UTILITIES										
1702		09/22 AP		03/01/22	0396840	CEDAR FALLS UTILITIES	12,028.74		03/25/22	
						UTILITIES THRU 03/01/22				
						ACCOUNT TOTAL	12,028.74	.00	12,028.74	
101-6623-423.85-01 UTILITIES / UTILITIES										
1702		09/22 AP		03/01/22	0396840	CEDAR FALLS UTILITIES	2,421.29		03/25/22	
						UTILITIES THRU 03/01/22				
						ACCOUNT TOTAL	2,421.29	.00	2,421.29	
101-6625-432.81-44 PROFESSIONAL SERVICES / USGS RIVER GAUGE										

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FUND 101 GENERAL FUND										
101-6625-432.81-44						PROFESSIONAL SERVICES / USGS RIVER GAUGE				
1702		09/22 AP		03/01/22	0396841	CENTURYLINK	60.69			03/25/22
						CEDAR RIVER GAUGE-FEB'22				
						ACCOUNT TOTAL	60.69	.00	60.69	
101-6633-423.85-01 UTILITIES / UTILITIES										
1702		09/22 AP		03/01/22	0396840	CEDAR FALLS UTILITIES	2,440.93			03/25/22
						UTILITIES THRU 03/01/22				
						ACCOUNT TOTAL	2,440.93	.00	2,440.93	
						FUND TOTAL	39,432.10	.00	39,432.10	
FUND 203 TAX INCREMENT FINANCING										
203-0000-487.50-05						TRANSFERS OUT / TIF				
1635		09/22 AP		03/11/22	0396822	DEBT SERVICE	94,283.64			03/15/22
						PROPERTY TAX PAYMENT				
1635		09/22 AP		03/11/22	0396820	CAPITAL PROJECTS FUND	15,311.89			03/15/22
						PROPERTY TAX PAYMENT				
1635		09/22 AP		03/11/22	0396820	CAPITAL PROJECTS FUND	187.20			03/15/22
						PROPERTY TAX PAYMENT				
1635		09/22 AP		03/11/22	0396820	CAPITAL PROJECTS FUND	1,027.62			03/15/22
						PROPERTY TAX PAYMENT				
1635		09/22 AP		03/11/22	0396820	CAPITAL PROJECTS FUND	82,865.69			03/15/22
						PROPERTY TAX PAYMENT				
						ACCOUNT TOTAL	193,676.04	.00	193,676.04	
						FUND TOTAL	193,676.04	.00	193,676.04	
FUND 206 STREET CONSTRUCTION FUND										
206-6637-436.72-56						OPERATING SUPPLIES / FLOOD CONTROL				
1702		09/22 AP		03/01/22	0396840	CEDAR FALLS UTILITIES	127.38			03/25/22
						UTILITIES THRU 03/01/22				
						ACCOUNT TOTAL	127.38	.00	127.38	
206-6637-436.85-01 UTILITIES / UTILITIES										
1702		09/22 AP		03/01/22	0396840	CEDAR FALLS UTILITIES	3,165.21			03/25/22
						UTILITIES THRU 03/01/22				
						ACCOUNT TOTAL	3,165.21	.00	3,165.21	

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FUND 206 STREET CONSTRUCTION FUND										
206-6637-436.92-93						STRUCTURE IMPROV & BLDGS / WEST 27TH ST IMPROVEMENTS				
1635		09/22 AP		03/11/22	0396818	BLACK HAWK CO.RECORDER	32.00		03/15/22	
						3240-W.27TH ST. RECON.				
						TEMP.EASE.-TAILWIND CF				
		PROJECT#:			023240					
1635		09/22 AP		03/11/22	0396818	BLACK HAWK CO.RECORDER	32.00		03/15/22	
						3240-W.27TH ST. RECON.				
						TEMP.EASE.-RASMUSSEN CO.				
		PROJECT#:			023240					
		ACCOUNT TOTAL					64.00	.00	64.00	
206-6647-436.85-01 UTILITIES / UTILITIES										
1702		09/22 AP		03/01/22	0396840	CEDAR FALLS UTILITIES	1,118.32		03/25/22	
						UTILITIES THRU 03/01/22				
		ACCOUNT TOTAL					1,118.32	.00	1,118.32	
		FUND TOTAL					4,474.91	.00	4,474.91	
FUND 215 HOSPITAL FUND										
FUND 216 POLICE BLOCK GRANT FUND										
FUND 217 SECTION 8 HOUSING FUND										
FUND 223 COMMUNITY BLOCK GRANT										
FUND 224 TRUST & AGENCY										
FUND 242 STREET REPAIR FUND										
FUND 254 CABLE TV FUND										
254-1088-431.83-05						TRANSPORTATION&EDUCATION / TRAVEL (FOOD/MILEAGE/LOD)				
1635		09/22 AP		03/09/22	0396819	BOWMAN, DENNY	10.00		03/15/22	
						RMB:PRKG-STATE BASKETBALL				
						DES MOINES				
		ACCOUNT TOTAL					10.00	.00	10.00	
		FUND TOTAL					10.00	.00	10.00	
FUND 258 PARKING FUND										
258-5531-435.86-01						REPAIR & MAINTENANCE / REPAIR & MAINTENANCE				
1702		09/22 AP		03/01/22	0396840	CEDAR FALLS UTILITIES	15.75		03/25/22	
						UTILITIES THRU 03/01/22				
		ACCOUNT TOTAL					15.75	.00	15.75	
		FUND TOTAL					15.75	.00	15.75	

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FUND 261 TOURISM & VISITORS										
261-2291	423.83-05	TRANSPORTATION&EDUCATION / TRAVEL (FOOD/MILEAGE/LOD)								
1702	09/22 AP	03/13/22	0396843	LEWIS, DEBRA		22.00			03/25/22	
	RMB:MEALS-CANOECOPIA SHOW			MADISON, WI						
	ACCOUNT TOTAL					22.00	.00		22.00	
	FUND TOTAL					22.00	.00		22.00	
FUND 262 SENIOR SERVICES & COMM CT										
262-1092	423.85-01	UTILITIES / UTILITIES								
1702	09/22 AP	03/01/22	0396840	CEDAR FALLS UTILITIES		113.75			03/25/22	
	UTILITIES THRU 03/01/22									
	ACCOUNT TOTAL					113.75	.00		113.75	
	FUND TOTAL					113.75	.00		113.75	
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										
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										



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FUND 439 2008 BOND FUND										
FUND 443 CAPITAL PROJECTS										
443-1220-431.94-33 CAPITAL PROJECTS / PROPERTY ACQUISITION										
1702		09/22 AP		03/01/22	0396840	CEDAR FALLS UTILITIES UTILITIES THRU 03/01/22	417.61			03/25/22
ACCOUNT TOTAL							417.61	0.00	417.61	
FUND TOTAL							417.61	0.00	417.61	
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										
1702		09/22 AP		03/01/22	0396840	CEDAR FALLS UTILITIES UTILITIES THRU 03/01/22	2,681.70			03/25/22
ACCOUNT TOTAL							2,681.70	0.00	2,681.70	
551-6685-436.87-02 RENTALS / MATERIAL DISPOSAL/HANDLIN										
1702		09/22 AP		03/15/22	0396839	BLACK HAWK CO.LANDFILL LANDFILL SRV:3/1-3/15/22	17,947.92			03/25/22
ACCOUNT TOTAL							17,947.92	0.00	17,947.92	
FUND TOTAL							20,629.62	0.00	20,629.62	
FUND 552 SEWER RENTAL FUND										
552-6655-436.85-01 UTILITIES / UTILITIES										
1702		09/22 AP		03/01/22	0396840	CEDAR FALLS UTILITIES UTILITIES THRU 03/01/22	21,675.07			03/25/22
ACCOUNT TOTAL							21,675.07	0.00	21,675.07	
552-6665-436.85-01 UTILITIES / UTILITIES										

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GROUP NBR	PO NBR	ACCTG PER.	CD	DATE	TRANSACTION NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE	POST DT
FUND 552 SEWER RENTAL FUND										
552-6665-436.85-01 UTILITIES / UTILITIES										
1702		09/22 AP		03/01/22	0396840	CEDAR FALLS UTILITIES	17,581.52			03/25/22
UTILITIES THRU 03/01/22										
ACCOUNT TOTAL							17,581.52	.00	17,581.52	
FUND TOTAL							39,256.59	.00	39,256.59	
FUND 553 2004 SEWER BOND										
FUND 555 STORM WATER UTILITY										
555-6630-432.85-01 UTILITIES / UTILITIES										
1702		09/22 AP		03/01/22	0396840	CEDAR FALLS UTILITIES	44.32			03/25/22
UTILITIES THRU 03/01/22										
ACCOUNT TOTAL							44.32	.00	44.32	
555-6630-432.92-01 STRUCTURE IMPROV & BLDGS / STRUCTURE IMPROV & BLDGS										
1683		09/22 AP		03/22/22	0396833	MICHAEL B GEISLER AND JEANETT	108,422.63			03/23/22
3215-OLIVE ST BOX CULVERT										
PROJECT#: 023215										
1683		09/22 AP		03/22/22	0396826	BLACK HAWK CO.RECORDER	17.00			03/23/22
DEED RECORDNG FEE-GEISLER										
PROJECT#: 023215										
1683		09/22 AP		03/22/22	0396828	BLACK HAWK CO.TREASURER	1,577.37			03/23/22
PRORATED REAL ESTATE TAX										
PROJECT#: 023215										
1683		09/22 AP		03/22/22	0396827	BLACK HAWK CO.RECORDER	175.20			03/23/22
TRANSFER TAX-GEISLER										
PROJECT#: 023215										
ACCOUNT TOTAL							110,192.20	.00	110,192.20	
FUND TOTAL							110,236.52	.00	110,236.52	
FUND 570 SEWER ASSESSMENT										
FUND 606 DATA PROCESSING FUND										
606-1078-441.81-43 PROFESSIONAL SERVICES / LIBRARY COMPUTER SERVICES										
1683		09/22 AP		03/10/22	0396829	CEDAR FALLS UTILITIES	15.00			03/23/22
LIBRARY DOMAIN NAME										
STATIC IP ADDRESS										
ACCOUNT TOTAL							15.00	.00	15.00	
606-1078-441.82-10 COMMUNICATION / TELEPHONE HOLDING ACCOUNT										
1683		09/22 AP		03/06/22	0396837	U.S. CELLULAR	32.93			03/23/22

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FUND 606 DATA PROCESSING FUND									
606-1078-441.82-10						COMMUNICATION / TELEPHONE HOLDING ACCOUNT CELL PHONE:3/6-4/5/22			continued
						ACCOUNT TOTAL	32.93	.00	32.93
606-1078-441.82-30 COMMUNICATION / FIBER OPTICS									
1683				09/22 AP 03/10/22	0396829	CEDAR FALLS UTILITIES FIBER POINT 2/11-3/10/22	3,320.00		03/23/22
						ACCOUNT TOTAL	3,320.00	.00	3,320.00
						FUND TOTAL	3,367.93	.00	3,367.93
FUND 680 HEALTH INSURANCE FUND									
FUND 681 HEALTH SEVERANCE									
681-1902-457.51-10						INSURANCE / HEALTH SEVERANCE PAYMENTS			
1702				09/22 AP 03/23/22	0396838	ANDERSON, ALETA L. RMB:FEB.2022 HEALTH SEV. MEDICARE-ALETA	170.10		03/25/22
1702				09/22 AP 03/23/22	0396838	ANDERSON, ALETA L. RMB:FEB.2022 HEALTH SEV. MEDICARE-RICHARD	170.10		03/25/22
1635				09/22 AP 03/14/22	0396824	LUX, JOSH RMB:HEALTH SEV.1/2 JAN'22	105.27		03/15/22
1635				09/22 AP 03/14/22	0396824	LUX, JOSH RMB:HEALTH SEV.1/2 FEB'22	105.27		03/15/22
1635				09/22 AP 03/14/22	0396824	LUX, JOSH RMB:HEALTH SEV.1/2 FEB'22	105.27		03/15/22
1635				09/22 AP 03/14/22	0396824	LUX, JOSH RMB:HEALTH SEV.1/2 MAR'22	105.27		03/15/22
						ACCOUNT TOTAL	761.28	.00	761.28
						FUND TOTAL	761.28	.00	761.28
FUND 682 HEALTH INSURANCE - FIRE									
FUND 685 VEHICLE MAINTENANCE FUND									
FUND 686 PAYROLL FUND									
686-0000-222.05-00						PAYROLL LIABILITY / OTHER DEDUCTIONS PAYABLE			
1683				09/22 AP 03/23/22	0396836	TEAMSTERS LOCAL #238 UNION DUES-MARCH 2022	4,627.80		03/23/22
1683				09/22 AP 03/23/22	0396830	CEDAR VALLEY UNITED WAY 1ST QTR 2022 CONTRIBUTION	276.00		03/23/22
						ACCOUNT TOTAL	4,903.80	.00	4,903.80

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GROUP	PO	ACCTG	-----TRANSACTION-----		DESCRIPTION	DEBITS	CREDITS	CURRENT
NBR	NBR	PER.	CD	DATE	NUMBER			BALANCE
								POST DT
FUND 686								
					FUND TOTAL	4,903.80	.00	4,903.80
FUND 687					WORKERS COMPENSATION FUND			
FUND 688					LTD INSURANCE FUND			
FUND 689					LIABILITY INSURANCE FUND			
FUND 724					TRUST & AGENCY			
					724-0000-487.50-01 TRANSFERS OUT / TRANSFERS TO GENERAL FUND			
					1635 09/22 AP 03/11/22 0396823 GENERAL FUND	47,534.73		03/15/22
					PROPERTY TAX PAYMENT			
					ACCOUNT TOTAL	47,534.73	.00	47,534.73
					FUND TOTAL	47,534.73	.00	47,534.73
FUND 727					GREENWOOD CEMETERY P-CARE			
FUND 728					FAIRVIEW CEMETERY P-CARE			
FUND 729					HILLSIDE CEMETERY P-CARE			
FUND 790					FLOOD LEVY			
					GRAND TOTAL	464,852.63	.00	464,852.63

# Council Invoices for Council Meeting 04/04/22

Item 21.

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GROUP	PO	ACCTG	----TRANSACTION----	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE
NBR	NBR	PER.	CD DATE	NUMBER			POST DT
FUND 101 GENERAL FUND							
101-1008-441.71-01 OFFICE SUPPLIES / OFFICE SUPPLIES							
1690			10/22 AP 03/11/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	8.57	03/29/22
			STAPLES, TAPE, CORR TAPE				
1690			10/22 AP 03/11/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	26.24	03/29/22
			COPY PAPER				
1690			10/22 AP 03/01/22	0000000	DES MOINES STAMP MFG. CO.	26.67	03/29/22
			NOTARY STAMP-M BREITBACH				
1690			10/22 AP 03/01/22	0000000	DES MOINES STAMP MFG. CO.	26.67	03/29/22
			NOTARY STAMP-L REITER				
1690			10/22 AP 03/01/22	0000000	DES MOINES STAMP MFG. CO.	26.66	03/29/22
			NOTARY STAMP-K STEVENS				
1690			10/22 AP 01/31/22	0000000	CULLIGAN WATER CONDITIONING	6.83	03/29/22
			WATER-606 UNION ROAD				
			ACCOUNT TOTAL			121.64	.00
							121.64
101-1008-441.83-06 TRANSPORTATION&EDUCATION / EDUCATION							
1707			10/22 AP 03/25/22	0000000	IMFOA	50.00	03/29/22
			CERTIFICATION-J DANIELSEN				
1707			10/22 AP 03/25/22	0000000	IMFOA	125.00	03/29/22
			REG:SPRING CONF.-KERR		DES MOINES		
			ACCOUNT TOTAL			175.00	.00
							175.00
101-1008-441.87-01 RENTALS / RENTALS							
1690			10/22 AP 03/14/22	0000000	QUADIENT, INC.	162.00	03/29/22
			POSTAGE METER RENTAL		4/13/22-7/12/22		
			ACCOUNT TOTAL			162.00	.00
							162.00
101-1026-441.71-01 OFFICE SUPPLIES / OFFICE SUPPLIES							
1690			10/22 AP 03/11/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	3.42	03/29/22
			STAPLES, TAPE, CORR TAPE				
1690			10/22 AP 03/11/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	5.25	03/29/22
			COPY PAPER				
1690			10/22 AP 01/31/22	0000000	CULLIGAN WATER CONDITIONING	2.74	03/29/22
			WATER-606 UNION ROAD				
			ACCOUNT TOTAL			11.41	.00
							11.41
101-1026-441.83-06 TRANSPORTATION&EDUCATION / EDUCATION							
1707			10/22 AP 03/25/22	0000000	IMFOA	125.00	03/29/22
			REG:SPRING CONF.RODENBECK		DES MOINES		
			ACCOUNT TOTAL			125.00	.00
							125.00



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FUND 101 GENERAL FUND									
101-1028-441.71-01 OFFICE SUPPLIES / OFFICE SUPPLIES									
1690				10/22	AP 03/11/22 0000000	OFFICE EXPRESS OFFICE PRODUCT	11.42		03/29/22
						STAPLES,TAPE,CORR TAPE			
1690				10/22	AP 03/11/22 0000000	OFFICE EXPRESS OFFICE PRODUCT	31.49		03/29/22
						COPY PAPER			
1690				10/22	AP 01/31/22 0000000	CULLIGAN WATER CONDITIONING	9.12		03/29/22
						WATER-606 UNION ROAD			
						ACCOUNT TOTAL	52.03	.00	52.03
101-1028-441.83-06 TRANSPORTATION&EDUCATION / EDUCATION									
1707				10/22	AP 03/25/22 0000000	IMFOA	125.00		03/29/22
						REG:SPRING CONF.-ROEDING			
1707				10/22	AP 03/25/22 0000000	IMFOA	125.00		03/29/22
						REG:SPRING CONF.-KOCKLER			
						ACCOUNT TOTAL	250.00	.00	250.00
101-1038-441.71-01 OFFICE SUPPLIES / OFFICE SUPPLIES									
1690				10/22	AP 03/11/22 0000000	OFFICE EXPRESS OFFICE PRODUCT	3.42		03/29/22
						STAPLES,TAPE,CORR TAPE			
1690				10/22	AP 03/11/22 0000000	OFFICE EXPRESS OFFICE PRODUCT	20.99		03/29/22
						COPY PAPER			
1690				10/22	AP 01/31/22 0000000	CULLIGAN WATER CONDITIONING	2.74		03/29/22
						WATER-606 UNION ROAD			
						ACCOUNT TOTAL	27.15	.00	27.15
101-1038-441.81-09 PROFESSIONAL SERVICES / HUMAN RIGHTS COMMISSION									
1690				10/22	AP 03/11/22 0000000	OFFICE EXPRESS OFFICE PRODUCT	2.10		03/29/22
						COPY PAPER			
						ACCOUNT TOTAL	2.10	.00	2.10
101-1038-441.81-53 PROFESSIONAL SERVICES / JOB NOTICES									
1707				10/22	AP 03/18/22 0000000	CEDAR VALLEY SAVER, INC.	75.00		03/29/22
						JOB AD:REC CENTER/AQUATIC			
1707				10/22	AP 03/18/22 0000000	CEDAR VALLEY SAVER, INC.	75.00		03/29/22
						JOB AD:SEASONAL LABORERS			
1707				10/22	AP 03/18/22 0000000	CEDAR VALLEY SAVER, INC.	75.00		03/29/22
						JOB AD:REC CTR STAFF			
1707				10/22	AP 03/04/22 0000000	CEDAR VALLEY SAVER, INC.	75.00		03/29/22
						JOB AD:REC CENTER/AQUATIC			
1707				10/22	AP 03/04/22 0000000	CEDAR VALLEY SAVER, INC.	75.00		03/29/22
						JOB AD:SEASONAL LABORERS			
1707				10/22	AP 03/04/22 0000000	CEDAR VALLEY SAVER, INC.	75.00		03/29/22

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FUND 101 GENERAL FUND										
101-1038-441.81-53 PROFESSIONAL SERVICES / JOB NOTICES						continued				
1707				10/22	AP 02/28/22 0000000	JOB AD:EQUIP MECHANIC 3/3/22 DISPLAY/WEB ADS REGISTER MEDIA	790.65			03/29/22
1707				10/22	AP 02/28/22 0000000	JOB AD:REC CENTER MANAGER 2/8&2/9/22 DIGITAL AD REGISTER MEDIA	790.65			03/29/22
1707				10/22	AP 02/28/22 0000000	JOB AD:LAND SURVEYOR 2/24&2/27/22 DIGITAL AD REGISTER MEDIA	208.35			03/29/22
1707				10/22	AP 02/28/22 0000000	JOB AD:LAND SURVEYOR 1/16-2/10/22 PACKAGE AD REGISTER MEDIA	208.35			03/29/22
1707				10/22	AP 02/27/22 0000000	JOB AD:REC CENTER MANAGER 2/11-2/27/22 PACKAGE AD COURIER COMMUNICATIONS-ADVERT	45.00			03/29/22
1707				10/22	AP 02/27/22 0000000	JOB AD:ENGINEER TECH II COURIER COURIER COMMUNICATIONS-ADVERT	24.00			03/29/22
1707				10/22	AP 02/27/22 0000000	JOB AD:MAINT,MECHANIC,ENG COURIER COURIER COMMUNICATIONS-ADVERT	45.00			03/29/22
1707				10/22	AP 02/27/22 0000000	JOB AD:REC CENTER MANAGER COURIER COURIER COMMUNICATIONS-ADVERT	45.00			03/29/22
1707				10/22	AP 02/27/22 0000000	JOB AD:PT OFFICE ASST COURIER COURIER COMMUNICATIONS-ADVERT	125.16			03/29/22
1707				10/22	AP 02/27/22 0000000	JOB AD:EQUIP.MECHANIC COURIER COURIER COMMUNICATIONS-ADVERT	55.86			03/29/22
1707				10/22	AP 02/27/22 0000000	JOB AD:SEASONAL LABORERS COURIER COURIER COMMUNICATIONS-ADVERT	53.00			03/29/22
1707				10/22	AP 02/27/22 0000000	JOB AD:LAND SURVEYOR COURIER COURIER COMMUNICATIONS-ADVERT	53.00			03/29/22
1707				10/22	AP 02/23/22 0000000	JOB AD:REC CENTER COURIER COURIER COMMUNICATIONS-ADVERT	45.00			03/29/22
1707				10/22	AP 02/23/22 0000000	JOB AD:ENGINEER TECH II PULSE COURIER COMMUNICATIONS-ADVERT	24.00			03/29/22
1707				10/22	AP 02/23/22 0000000	JOB AD:MAINT,MECHANIC,ENG PULSE COURIER COMMUNICATIONS-ADVERT	45.00			03/29/22
1707				10/22	AP 02/23/22 0000000	JOB AD:REC CENTER MANAGER PULSE COURIER COMMUNICATIONS-ADVERT	45.00			03/29/22
1707				10/22	AP 02/23/22 0000000	JOB AD:PT OFFICE ASST PULSE COURIER COMMUNICATIONS-ADVERT	69.99			03/29/22
1707				10/22	AP 02/23/22 0000000	JOB AD:PT OFFICE ASST PULSE COURIER COMMUNICATIONS-ADVERT	108.50			03/29/22
1707				10/22	AP 02/23/22 0000000	JOB AD:EQUIP MECHANIC PULSE COURIER COMMUNICATIONS-ADVERT	22.50			03/29/22
1707				10/22	AP 02/22/22 0000000	JOB AD:SEASONAL LABORERS PULSE COURIER COMMUNICATIONS-ADVERT	39.00			03/29/22
1707				10/22	AP 02/20/22 0000000	SEARCH BOOST ONLINE COURIER COMMUNICATIONS-ADVERT	45.00			03/29/22
1707				10/22	AP 02/20/22 0000000	JOB AD:ENGINEER TECH II COURIER COURIER COMMUNICATIONS-ADVERT	24.00			03/29/22
1707				10/22	AP 02/20/22 0000000	JOB AD:MAINT,MECHANIC,ENG COURIER COURIER COMMUNICATIONS-ADVERT	45.00			03/29/22
1707				10/22	AP 02/20/22 0000000	JOB AD:REC CENTER MANAGER COURIER COURIER COMMUNICATIONS-ADVERT	70.00			03/29/22
1707				10/22	AP 02/20/22 0000000	JOB AD:PT OFFICE ASST COURIER COURIER COMMUNICATIONS-ADVERT				

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FUND 101 GENERAL FUND										
101-1038-441.81-53						PROFESSIONAL SERVICES / JOB NOTICES				continued
1707				10/22 AP 02/20/22	0000000	COURIER COMMUNICATIONS-ADVERT COURIER	45.00			03/29/22
						JOB AD:PT OFFICE ASST				
1707				10/22 AP 02/20/22	0000000	COURIER COMMUNICATIONS-ADVERT COURIER	154.16			03/29/22
						JOB AD:EQUIP.MECHANIC				
1707				10/22 AP 02/20/22	0000000	COURIER COMMUNICATIONS-ADVERT COURIER	84.86			03/29/22
						JOB AD:SEASONAL LABORERS				
1707				10/22 AP 02/16/22	0000000	COURIER COMMUNICATIONS-ADVERT PULSE	45.00			03/29/22
						JOB AD:ENGINEER TECH II				
1707				10/22 AP 02/16/22	0000000	COURIER COMMUNICATIONS-ADVERT PULSE	24.00			03/29/22
						JOB AD:MAINT,MECHANIC,ENG				
1707				10/22 AP 02/16/22	0000000	COURIER COMMUNICATIONS-ADVERT PULSE	45.00			03/29/22
						JOB AD:REC CENTER MANAGER				
1707				10/22 AP 02/16/22	0000000	COURIER COMMUNICATIONS-ADVERT PULSE	45.00			03/29/22
						JOB AD:PT OFFICE ASST				
1707				10/22 AP 02/16/22	0000000	COURIER COMMUNICATIONS-ADVERT PULSE	69.99			03/29/22
						JOB AD:PT OFFICE ASST				
1707				10/22 AP 02/13/22	0000000	COURIER COMMUNICATIONS-ADVERT COURIER	45.00			03/29/22
						JOB AD:ENGINEER TECH II				
1707				10/22 AP 02/13/22	0000000	COURIER COMMUNICATIONS-ADVERT COURIER	45.00			03/29/22
						JOB AD:EQUIP.MECHANIC				
1707				10/22 AP 02/13/22	0000000	COURIER COMMUNICATIONS-ADVERT COURIER	45.00			03/29/22
						JOB AD:MAINT.WORKER				
1707				10/22 AP 02/13/22	0000000	COURIER COMMUNICATIONS-ADVERT COURIER	24.00			03/29/22
						JOB AD:MAINT,MECHANIC,ENG				
1707				10/22 AP 02/13/22	0000000	COURIER COMMUNICATIONS-ADVERT COURIER	45.00			03/29/22
						JOB AD:REC CENTER MANAGER				
1707				10/22 AP 02/13/22	0000000	COURIER COMMUNICATIONS-ADVERT COURIER	99.00			03/29/22
						JOB AD:PT OFFICE ASST				
1707				10/22 AP 02/13/22	0000000	COURIER COMMUNICATIONS-ADVERT COURIER	74.00			03/29/22
						JOB AD:PT OFFICE ASST				
1707				10/22 AP 02/09/22	0000000	COURIER COMMUNICATIONS-ADVERT PULSE	45.00			03/29/22
						JOB AD:ENGINEER TECH II				
1707				10/22 AP 02/09/22	0000000	COURIER COMMUNICATIONS-ADVERT PULSE	45.00			03/29/22
						JOB AD:EQUIP MECHANIC				
1707				10/22 AP 02/09/22	0000000	COURIER COMMUNICATIONS-ADVERT PULSE	45.00			03/29/22
						JOB AD:MAINT.WORKER				
1707				10/22 AP 02/09/22	0000000	COURIER COMMUNICATIONS-ADVERT PULSE	24.00			03/29/22
						JOB AD:MAINT,MECHANIC,ENG				
1707				10/22 AP 02/09/22	0000000	COURIER COMMUNICATIONS-ADVERT PULSE	45.00			03/29/22
						JOB AD:REC CENTER MANAGER				
1707				10/22 AP 02/06/22	0000000	COURIER COMMUNICATIONS-ADVERT COURIER	91.67			03/29/22
						JOB AD:LAND SURVEYOR				
1707				10/22 AP 02/06/22	0000000	COURIER COMMUNICATIONS-ADVERT COURIER	45.00			03/29/22
						JOB AD:ENGINEER TECH II				
1707				10/22 AP 02/06/22	0000000	COURIER COMMUNICATIONS-ADVERT COURIER	45.00			03/29/22
						JOB AD:EQUIP MECHANIC				
1707				10/22 AP 02/06/22	0000000	COURIER COMMUNICATIONS-ADVERT COURIER	45.00			03/29/22
						JOB AD:MAINT.WORKER				
1707				10/22 AP 02/06/22	0000000	COURIER COMMUNICATIONS-ADVERT	24.00			03/29/22

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GROUP NBR	PO NBR	ACCTG PER.	CD	DATE	TRANSACTION NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT BALANCE	POST DT
FUND 101 GENERAL FUND										
101-1038-441.81-53						PROFESSIONAL SERVICES / JOB NOTICES				continued
1707				10/22	AP 02/06/22 0000000	JOB AD:MAINT,MECHANIC,ENG COURIER	74.00			03/29/22
1707				10/22	AP 02/02/22 0000000	JOB AD:REC CTR MANAGER COURIER	91.67			03/29/22
1707				10/22	AP 02/02/22 0000000	JOB AD:LAND SURVEYOR PULSE	45.00			03/29/22
1707				10/22	AP 02/02/22 0000000	JOB AD:ENGINEER TECH II PULSE	45.00			03/29/22
1707				10/22	AP 02/02/22 0000000	JOB AD:EQUIP.MECHANIC PULSE	45.00			03/29/22
1707				10/22	AP 02/02/22 0000000	JOB AD:MAINT.WORKER PULSE	24.00			03/29/22
						JOB AD:MAINT,MECHANIC,ENG PULSE				
						ACCOUNT TOTAL	5,146.36	.00	5,146.36	
101-1038-441.81-99						PROFESSIONAL SERVICES / CIVIL SERVICE COMMISSION				
1690				10/22	AP 03/14/22 0000000	COTTINGHAM & BUTLER INSURANCE	275.00			03/29/22
						CIVIL SERVICE REVIEW ENGINEERING TECH II				
						ACCOUNT TOTAL	275.00	.00	275.00	
101-1048-441.71-01						OFFICE SUPPLIES / OFFICE SUPPLIES				
1690				10/22	AP 03/11/22 0000000	OFFICE EXPRESS OFFICE PRODUCT	1.71			03/29/22
1690				10/22	AP 03/11/22 0000000	STAPLES,TAPE,CORR TAPE OFFICE EXPRESS OFFICE PRODUCT	4.20			03/29/22
1690				10/22	AP 03/07/22 0000000	COPY PAPER OFFICE EXPRESS OFFICE PRODUCT	6.94			03/29/22
1690				10/22	AP 01/31/22 0000000	RED COPY STAMP CULLIGAN WATER CONDITIONING	1.37			03/29/22
						WATER-606 UNION ROAD				
						ACCOUNT TOTAL	14.22	.00	14.22	
101-1048-441.81-29						PROFESSIONAL SERVICES / LEGAL CONSULTANTS				
1690				10/22	AP 04/01/22 0000000	AHLERS AND COONEY, P.C.	3,900.00			03/29/22
1690				10/22	AP 04/01/22 0000000	LEGAL SERVICES-APR'22 SWISHER & COHRT, P.L.C.	2,600.00			03/29/22
						LEGAL SERVICES-APR'22				
						ACCOUNT TOTAL	6,500.00	.00	6,500.00	
101-1048-441.81-30						PROFESSIONAL SERVICES / LEGAL-CODE ENFORCEMENT				
1690				10/22	AP 04/01/22 0000000	SWISHER & COHRT, P.L.C.	1,000.00			03/29/22
						LEGAL SERVICES-APR'22				

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GROUP NBR	PO NBR	ACCTG PER.	CD	TRANSACTION DATE	DESCRIPTION NUMBER	DEBITS	CREDITS	CURRENT BALANCE	POST DT
FUND 101 GENERAL FUND									
101-1048-441.81-30 PROFESSIONAL SERVICES / LEGAL-CODE ENFORCEMENT						continued			
ACCOUNT TOTAL						1,000.00	.00	1,000.00	
101-1118-441.71-01 OFFICE SUPPLIES / OFFICE SUPPLIES									
1690		10/22 AP		03/11/22	0000000 OFFICE EXPRESS OFFICE PRODUCT COPY PAPER	2.10			03/29/22
ACCOUNT TOTAL						2.10	.00	2.10	
101-1118-441.81-25 PROFESSIONAL SERVICES / PROMOTIONAL TAPES & ADS.									
1707		10/22 AP		03/23/22	0000000 AWARDS, GIFTS & ENGRAVING AWARDS-BUSINESS & INDUSTR PROJECT#: 014000	603.00			03/29/22
ACCOUNT TOTAL						603.00	.00	603.00	
101-1158-441.71-01 OFFICE SUPPLIES / OFFICE SUPPLIES									
1690		10/22 AP		03/11/22	0000000 OFFICE EXPRESS OFFICE PRODUCT COPY PAPER	2.10			03/29/22
ACCOUNT TOTAL						2.10	.00	2.10	
101-1158-441.83-06 TRANSPORTATION&EDUCATION / EDUCATION									
1690		10/22 AP		03/18/22	0000000 IOWA UTILITY ASSOCIATION CORALVILLE 5/18/22 DEV2022 CONF-R GREEN	75.00			03/29/22
ACCOUNT TOTAL						75.00	.00	75.00	
101-1199-411.32-90 COMM PROTECTION GRANTS / GRANTS - POLICE EQUIPMENT									
1696		10/22 AP		02/07/22	0000000 MIDWEST DEFENSE SOLUTIONS, LL 4 BALLISTIC VESTS 50% REIMBURSED BY GRANT	1,450.00			03/29/22
ACCOUNT TOTAL						1,450.00	.00	1,450.00	
101-1199-411.32-91 COMM PROTECTION GRANTS / POL-TARGET CHILD SAFETY									
1620		10/22 AP		03/17/22	0000000 BAKER & TAYLOR BOOKS YOUTH BOOKS-PUBLIC SAFETY	1,995.00			03/29/22
ACCOUNT TOTAL						1,995.00	.00	1,995.00	
101-1199-421.31-10 HUMAN DEVELOPMENT GRANTS / GRANTS - CULTURAL SERVICE									
1691		10/22 AP		03/16/22	0000000 MALLEA, AMAHIA	500.00			03/29/22



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FUND 101 GENERAL FUND									
101-1199-421.31-10					HUMAN DEVELOPMENT GRANTS / GRANTS - CULTURAL SERVICE MODERATE ARTISTS TALKS				continued
					ACCOUNT TOTAL	500.00	.00	500.00	
101-1199-421.31-12					HUMAN DEVELOPMENT GRANTS / GRANTS-CULT IAC GEN OP				
1691		10/22 AP		02/01/22	0000000 ANNABEL WIMER DESIGN	500.00			03/29/22
					DESIGN TEMPLATE MARKETING ASSETS CREATION-PAYMENT 1				
					ACCOUNT TOTAL	500.00	.00	500.00	
101-1199-431.88-01					OUTSIDE AGENCIES / MET - CF DISABLED				
1690		10/22 AP		04/01/22	0000000 METROPOLITAN TRANSIT AUTHORIT	7,737.40			03/29/22
					PAYMENT FOR FY22-4TH QTR				
					ACCOUNT TOTAL	7,737.40	.00	7,737.40	
101-1199-431.88-02					OUTSIDE AGENCIES / MET-RTC				
1690		10/22 AP		04/01/22	0000000 METROPOLITAN TRANSIT AUTHORIT	5,156.80			03/29/22
					PAYMENT FOR FY22-4TH QTR				
					ACCOUNT TOTAL	5,156.80	.00	5,156.80	
101-1199-431.88-11					OUTSIDE AGENCIES / MET TRANSIT AUTHORITY				
1690		10/22 AP		04/01/22	0000000 METROPOLITAN TRANSIT AUTHORIT	73,275.40			03/29/22
					PAYMENT FOR FY22-4TH QTR				
					ACCOUNT TOTAL	73,275.40	.00	73,275.40	
101-1199-431.88-12					OUTSIDE AGENCIES / MET CAPITAL REPLACEMENT				
1690		10/22 AP		04/01/22	0000000 VEHICLE MAINTENANCE FUND	4,107.50			03/29/22
					PAYMENT FOR FY22-4TH QTR				
					ACCOUNT TOTAL	4,107.50	.00	4,107.50	
101-1199-431.88-19					OUTSIDE AGENCIES / MET-ROUTE 9				
1690		10/22 AP		04/01/22	0000000 METROPOLITAN TRANSIT AUTHORIT	7,636.20			03/29/22
					PAYMENT FOR FY22-4TH QTR				
					ACCOUNT TOTAL	7,636.20	.00	7,636.20	
101-1199-441.88-20					OUTSIDE AGENCIES / LOBBYIST				
1690		10/22 AP		04/01/22	0000000 COPE MURPHY+CO LLP	4,500.00			03/29/22

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FUND 101 GENERAL FUND										
101-1199-441.88-20						OUTSIDE AGENCIES / LOBBYIST LOBBYING FEE-APRIL 2022				continued
						ACCOUNT TOTAL	4,500.00	.00	4,500.00	
101-2205-432.88-10						OUTSIDE AGENCIES / BLACK HAWK COUNTY HEALTH 1690 10/22 AP 04/01/22 0000000 BLACK HAWK CO.HEALTH DEPT. PAYMENT FOR FY22-4TH QTR	3,250.00			03/29/22
						ACCOUNT TOTAL	3,250.00	.00	3,250.00	
101-2205-432.88-38						OUTSIDE AGENCIES / CEDAR VALLEY SOCCER 1690 10/22 AP 04/01/22 0000000 CEDAR VALLEY YOUTH SOCCER ASS PAYMENT FOR FY22-4TH QTR	1,250.00			03/29/22
						ACCOUNT TOTAL	1,250.00	.00	1,250.00	
101-2235-412.71-01						OFFICE SUPPLIES / OFFICE SUPPLIES 1678 10/22 AP 03/07/22 0000000 OFFICE EXPRESS OFFICE PRODUCT AAA & D BATTERIES	30.34			03/29/22
						ACCOUNT TOTAL	30.34	.00	30.34	
101-2253-423.71-01						OFFICE SUPPLIES / OFFICE SUPPLIES 1682 10/22 AP 03/17/22 0000000 OFFICE EXPRESS OFFICE PRODUCT OFFICE PAPER	12.09			03/29/22
						ACCOUNT TOTAL	12.09	.00	12.09	
101-2253-423.72-31						OPERATING SUPPLIES / YOUTH SPORTS EQUIPMENT 1682 10/22 AP 03/15/22 0000000 XPRESSIONS YOUTH SOCCER TSHIRTS	424.74			03/29/22
						ACCOUNT TOTAL	424.74	.00	424.74	
101-2253-423.72-32						OPERATING SUPPLIES / ADULT SPORTS EQUIPMENT 1667 10/22 AP 03/11/22 0000000 XPRESSIONS VOLLEYBALL-TSHIRTS 1667 10/22 AP 03/10/22 0000000 XPRESSIONS RAQUETBALL-T-SHIRTS 1682 10/22 AP 03/04/22 0000000 SCHEELS ALL SPORTS SOFTBALL THNDR 1682 10/22 AP 08/31/21 0000000 PIONEER MANUFACTURING CO. QUICKSTRIP ARCTIC WHITE 12CS	285.60 185.00 499.68 654.50			03/29/22 03/29/22 03/29/22 03/29/22

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FUND 101 GENERAL FUND										
101-2253-423.72-32 OPERATING SUPPLIES / ADULT SPORTS EQUIPMENT							continued			
ACCOUNT TOTAL							1,624.78	.00	1,624.78	
101-2253-423.73-55 OTHER SUPPLIES / MEDIA										
1682				10/22	AP 02/28/22 0000000	ICAN, INC, ADVERTISING	200.00			03/29/22
ACCOUNT TOTAL							200.00	.00	200.00	
101-2253-423.81-01 PROFESSIONAL SERVICES / PROFESSIONAL SERVICES										
1682				10/22	AP 03/22/22 0000000	OSTBY, HILDA BALLROOM DANCE INSTRUCT. SPRING 2022	480.00			03/29/22
ACCOUNT TOTAL							480.00	.00	480.00	
101-2253-423.86-30 REPAIR & MAINTENANCE / MAINTENANCE & UPKEEP										
1682				10/22	AP 03/18/22 0000000	ARAMARK	17.50			03/29/22
1667				10/22	AP 03/11/22 0000000	ARAMARK	17.50			03/29/22
1667				10/22	AP 03/07/22 0000000	CITY LAUNDERING CO. RESTOCK 1ST AID CABINET	74.43			03/29/22
ACCOUNT TOTAL							109.43	.00	109.43	
101-2280-423.81-01 PROFESSIONAL SERVICES / PROFESSIONAL SERVICES										
1691				10/22	AP 03/18/22 0000000	ARAMARK	9.16			03/29/22
1691				10/22	AP 03/17/22 0000000	WEBSTER-VORE, JOAN	200.00			03/29/22
1691				10/22	AP 03/16/22 0000000	MALLEA, AMAHIA	400.00			03/29/22
1691				10/22	AP 03/11/22 0000000	ARAMARK	9.16			03/29/22
1691				10/22	AP 02/10/22 0000000	GILBREATH, ANNA 5 WEEKS OF INSTRUCTION FOR WHEEL THROWING	315.00			03/29/22
ACCOUNT TOTAL							933.32	.00	933.32	
101-2280-423.88-21 OUTSIDE AGENCIES / PUBLIC ART COMMITTEE										
1691				10/22	AP 02/28/22 0000000	UNI DEPARTMENT OF ART CITY HALL SCULPTURE PROTECTION FOR REMODELING	1,350.00			03/29/22
ACCOUNT TOTAL							1,350.00	.00	1,350.00	

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FUND 101 GENERAL FUND										
101-2280-423.89-33						MISCELLANEOUS SERVICES / FRIENDS SUPPORTED PROGRAM				
1691		10/22	AP	03/21/22	0000000	KAREN'S PRINT-RITE	226.00			03/29/22
						LAPSED MEMBER MAILING				
						ACCOUNT TOTAL	226.00	.00	226.00	
101-4511-414.71-01 OFFICE SUPPLIES / OFFICE SUPPLIES										
1690		10/22	AP	03/11/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	4.20			03/29/22
						COPY PAPER				
						ACCOUNT TOTAL	4.20	.00	4.20	
101-4511-414.72-02 OPERATING SUPPLIES / LAUNDRY										
1692		10/22	AP	03/18/22	0000000	ARAMARK	7.25			03/29/22
						TOWELS-STATION #1				
1692		10/22	AP	03/18/22	0000000	ARAMARK	13.65			03/29/22
						TOWELS;MATS-PSS BUILDING				
1692		10/22	AP	03/11/22	0000000	ARAMARK	7.25			03/29/22
						TOWELS-STATION #1				
1692		10/22	AP	03/11/22	0000000	ARAMARK	13.65			03/29/22
						TOWELS;MATS-PSS BUILDING				
						ACCOUNT TOTAL	41.80	.00	41.80	
101-4511-414.72-09 OPERATING SUPPLIES / EQUIPMENT REPAIR										
1692		10/22	AP	03/17/22	0000000	SANDRY FIRE SUPPLY, L.L.C.	291.91			03/29/22
						NOZZLE REPAIR				
1692		10/22	AP	03/14/22	0000000	MIDWEST BREATHING AIR L.L.C.	55.75			03/29/22
						REPAIR KIT/PARTS				
						4600 S. MAIN				
1692		10/22	AP	03/11/22	0000000	SANDRY FIRE SUPPLY, L.L.C.	109.00			03/29/22
						SCBA REPAIR				
						ACCOUNT TOTAL	456.66	.00	456.66	
101-4511-414.72-11 OPERATING SUPPLIES / DUES, BOOKS, MAGAZINES										
1692		10/22	AP	03/23/22	0000000	IOWA FIRE CHIEFS' ASSOCIATION	25.00			03/29/22
						2022 MEMBERSHIP-BOSTWICK				
1692		10/22	AP	03/23/22	0000000	IOWA FIRE CHIEFS' ASSOCIATION	25.00			03/29/22
						2022 MEMBERSHIP-YATES				
1692		10/22	AP	03/23/22	0000000	IOWA FIRE CHIEFS' ASSOCIATION	25.00			03/29/22
						2022 MEMBERSHIP-ZOLONDEK				
						ACCOUNT TOTAL	75.00	.00	75.00	
101-4511-414.72-23 OPERATING SUPPLIES / RADIO & MDC FEES										

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FUND 101 GENERAL FUND										
101-4511-414.72-23						OPERATING SUPPLIES / RADIO & MDC FEES				
1692		10/22 AP		03/15/22	0000000	EMERGENCY SERVICES MARKETING	810.00			03/29/22
						SUBSCRIPTION FEE-DISPATCH				
						04/15/22-04/14/23				
						ACCOUNT TOTAL	810.00	.00	810.00	
101-4511-414.73-10 OTHER SUPPLIES / HEADQUARTER SUPPLIES										
1696		10/22 AP		03/07/22	0000000	CITY LAUNDERING CO.	54.44			03/29/22
						RESTOCK FD FIRST AID KIT				
						ACCOUNT TOTAL	54.44	.00	54.44	
101-4511-414.81-01 PROFESSIONAL SERVICES / PROFESSIONAL SERVICES										
1696		10/22 AP		03/14/22	0000000	EDGE REALTY - PINNACLE PRAIRI	1,646.37			03/29/22
						CAM EXPENSES				
						ACCOUNT TOTAL	1,646.37	.00	1,646.37	
101-4511-414.81-71 PROFESSIONAL SERVICES / CONSOLIDATED DISPATCH										
1696		10/22 AP		03/16/22	0000000	BLACK HAWK CO.AUDITOR	37,557.63			03/29/22
						FY22 Q4 CONSOLIDATED COMM				
						ACCOUNT TOTAL	37,557.63	.00	37,557.63	
101-4511-414.83-06 TRANSPORTATION&EDUCATION / EDUCATION										
1692		10/22 AP		03/24/22	0000000	FIRE SERVICE TRNG. BUREAU	50.00			03/29/22
						1 CERT.FEE-HAZMAT				
						RETEST-KRISTI HANSON				
						ACCOUNT TOTAL	50.00	.00	50.00	
101-4511-414.86-01 REPAIR & MAINTENANCE / REPAIR & MAINTENANCE										
1692		10/22 AP		03/19/22	0000000	SANDRY FIRE SUPPLY, L.L.C.	172.25			03/29/22
						FILTERS-CHAINSaws				
						ON ALL FIRE TRUCKS				
1692		10/22 AP		02/01/22	0000000	DAVENPORT, CITY OF	100.00			03/29/22
						CPAT CONSORTIUM MAINT.FEE				
						ACCOUNT TOTAL	272.25	.00	272.25	
101-4511-414.93-01 EQUIPMENT / EQUIPMENT										
1692		10/22 AP		03/17/22	0000000	ALEX AIR APPARATUS, INC.	1,156.01			03/29/22
						RESCUE EQUIPMENT				
						ACCOUNT TOTAL	1,156.01	.00	1,156.01	



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FUND 101 GENERAL FUND										
101-5521-415.71-01 OFFICE SUPPLIES / OFFICE SUPPLIES										
1690		10/22 AP		03/11/22	0000000	OFFICE EXPRESS OFFICE PRODUCT COPY PAPER	4.20			03/29/22
ACCOUNT TOTAL							4.20	.00	4.20	
101-5521-415.72-01 OPERATING SUPPLIES / OPERATING SUPPLIES										
1692		10/22 AP		03/18/22	0000000	ARAMARK	13.65			03/29/22
1696		10/22 AP		03/16/22	0000000	TOWELS;MATS-PSS BUILDING GIBSON SPECIALTY CO.	42.50			03/29/22
1696		10/22 AP		03/16/22	0000000	MAILBOX & LOCKER NAMETAGS BERRYMAN/SCHARNAU	56.00			03/29/22
1692		10/22 AP		03/11/22	0000000	NAME TAGS BERRYMAN/SCHARNAU	13.65			03/29/22
1696		10/22 AP		03/10/22	0000000	TOWELS;MATS-PSS BUILDING VARSITY CLEAN-CF	9.80			03/29/22
1696		10/22 AP		03/09/22	0000000	CLEAN HONOR GUARD UNIFORM RASMUSSEN CO., THE	75.00			03/29/22
1696		10/22 AP		03/08/22	0000000	TOW STOLEN MALIBU #22-015204 GIBSON SPECIALTY CO.	42.50			03/29/22
1696		10/22 AP		03/07/22	0000000	MAILBOX & LOCKER NAMETAGS BERRYMAN/SCHARNAU	7.50			03/29/22
1696		10/22 AP		03/07/22	0000000	KEYS FOR PD #17 POLK'S LOCK SERVICE, INC.	76.58			03/29/22
ACCOUNT TOTAL							337.18	.00	337.18	
101-5521-415.72-20 OPERATING SUPPLIES / OFFICERS EQUIPMENT										
1696		10/22 AP		03/15/22	0000000	GALLS, LLC	111.05			03/29/22
1696		10/22 AP		02/07/22	0000000	TRAINING HANDCUFFS MIDWEST DEFENSE SOLUTIONS, LL	1,450.00			03/29/22
ACCOUNT TOTAL							1,561.05	.00	1,561.05	
101-5521-415.72-24 OPERATING SUPPLIES / AMMUNITION										
1696		10/22 AP		03/08/22	0000000	9MM AMMO KIESLER'S POLICE SUPPLY, INC.	15,096.00			03/29/22
ACCOUNT TOTAL							15,096.00	.00	15,096.00	
101-5521-415.72-33 OPERATING SUPPLIES / POLICE AUXILIARY PROGRAM										
1696		10/22 AP		03/16/22	0000000	GIBSON SPECIALTY CO.	42.50			03/29/22
1696		10/22 AP		03/16/22	0000000	MAILBOX & LOCKER NAMETAGS DUBOIS/OPPMAN	28.00			03/29/22

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FUND 101 GENERAL FUND									
101-5521-415.72-33						OPERATING SUPPLIES / POLICE AUXILIARY PROGRAM			
						NAME TAGS DUBOIS (PREV.ETRINGER)			continued
1696		10/22 AP		03/08/22	0000000	GIBSON SPECIALTY CO.	42.50		03/29/22
						MAILBOX & LOCKER NAMETAGS DUBOIS/OPPMAN			
						ACCOUNT TOTAL	113.00	.00	113.00
101-5521-415.81-01						PROFESSIONAL SERVICES / PROFESSIONAL SERVICES			
1696		10/22 AP		03/14/22	0000000	EDGE REALTY - PINNACLE PRAIRIE	1,646.37		03/29/22
						CY2021 PINNACLE PRAIRIE CAM EXPENSES			
						ACCOUNT TOTAL	1,646.37	.00	1,646.37
101-5521-415.81-71						PROFESSIONAL SERVICES / CONSOLIDATED DISPATCH			
1696		10/22 AP		03/16/22	0000000	BLACK HAWK CO.AUDITOR	76,253.37		03/29/22
						FY22 Q4 CONSOLIDATED COMM			
						ACCOUNT TOTAL	76,253.37	.00	76,253.37
101-5521-415.83-04						TRANSPORTATION&EDUCATION / DUES & MEMBERSHIPS			
1696		10/22 AP		03/15/22	0000000	IOWA ASSOC.-WOMEN POLICE	110.00		03/29/22
						2022 MEMBERSHIP DUES DIDN'T ATTEND ANN.CONF.			
						ACCOUNT TOTAL	110.00	.00	110.00
101-5521-415.83-06						TRANSPORTATION&EDUCATION / EDUCATION			
1696		10/22 AP		03/16/22	0000000	IOWA LAW ENFORCEMENT ACADEMY	3,800.00		03/29/22
						IMPLICIT BIAS TRAINING 76 OFFICERS			
						ACCOUNT TOTAL	3,800.00	.00	3,800.00
101-5521-415.93-01						EQUIPMENT / EQUIPMENT			
1696		10/22 AP		03/03/22	0000000	STREICHER'S INC.	1,769.25		03/29/22
						CHEMICAL MUNITIONS			
1696		10/22 AP		02/28/22	0000000	MIDWEST CARD AND ID SOLUTIONS	250.00		03/29/22
						PRINT KEY #00131524			
1696		10/22 AP		02/24/22	0000000	IT SAVVY, LLC	4,400.00		03/29/22
						PLASTIC CARD PRINTER			
1696		10/22 AP		09/22/21	0000000	P & K MIDWEST, INC.	1,560.07		03/29/22
						GATOR WINDSHIELD			
						ACCOUNT TOTAL	7,979.32	.00	7,979.32
101-5521-425.81-20						PROFESSIONAL SERVICES / HUMANE SOCIETY			

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FUND 101 GENERAL FUND										
101-5521-425.81-20						PROFESSIONAL SERVICES / HUMANE SOCIETY				
1696				10/22	AP 03/16/22 0000000	WATERLOO, CITY OF	6,099.45			03/29/22
						ANIMAL CALLS;2/1-2/28/22				
1696				10/22	AP 03/08/22 0000000	CEDAR BEND HUMANE SOCIETY	1,047.00			03/29/22
						FEB'22 ANIMAL SURRENDER				
1696				10/22	AP 02/18/22 0000000	WATERLOO, CITY OF	4,121.90			03/29/22
						ANIMAL CALLS;1/1-1/31/22				
						ACCOUNT TOTAL	11,268.35	0.00		11,268.35
101-6616-446.72-01 OPERATING SUPPLIES / OPERATING SUPPLIES										
1701				10/22	AP 03/23/22 0000000	OFFICE EXPRESS OFFICE PRODUCT	283.19			03/29/22
						SOAP, TISSUES, LINERS				
						PROJECT#: 062503				
1701				10/22	AP 03/23/22 0000000	O'DONNELL ACE HARDWARE	9.99			03/29/22
						BATTERIES				
						PROJECT#: 062501				
1701				10/22	AP 03/22/22 0000000	O'DONNELL ACE HARDWARE	33.99			03/29/22
						EXTENSION CORD				
						PROJECT#: 062501				
1701				10/22	AP 03/22/22 0000000	O'DONNELL ACE HARDWARE	3.38			03/29/22
						ELECTRICAL CONNECTORS				
						PROJECT#: 062501				
1701				10/22	AP 03/18/22 0000000	OFFICE EXPRESS OFFICE PRODUCT	15.18			03/29/22
						TISSUE				
						PROJECT#: 062501				
1701				10/22	AP 03/18/22 0000000	OFFICE EXPRESS OFFICE PRODUCT	124.25			03/29/22
						CAN LINERS				
						PROJECT#: 062507				
1701				10/22	AP 03/17/22 0000000	ECHO GROUP, INC.	183.60			03/29/22
						LIGHT BULBS				
						PROJECT#: 062508				
1701				10/22	AP 03/16/22 0000000	ECHO GROUP, INC.	85.86			03/29/22
						LIGHT BULBS				
						PROJECT#: 062507				
1701				10/22	AP 03/15/22 0000000	OFFICE EXPRESS OFFICE PRODUCT	264.19			03/29/22
						TISSUE, TOWELS, LINERS, SANI				
						PROJECT#: 062501				
1701				10/22	AP 03/15/22 0000000	OFFICE EXPRESS OFFICE PRODUCT	519.05			03/29/22
						TISSUE, TOWELS, LINER, SANI				
						PROJECT#: 062503				
1701				10/22	AP 03/15/22 0000000	OFFICE EXPRESS OFFICE PRODUCT	118.88			03/29/22
						TISSUE, TOWELS, LINERS, SANI				
						PROJECT#: 062506				
1701				10/22	AP 03/15/22 0000000	OFFICE EXPRESS OFFICE PRODUCT	474.11			03/29/22
						TISSUE, TOWELS, LINERS, SANI				
						PROJECT#: 062511				
1680				10/22	AP 03/14/22 0000000	O'DONNELL ACE HARDWARE	14.69			03/29/22
						BATTERIES				

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								POST DT
FUND 101 GENERAL FUND								
101-6616-446.72-01 OPERATING SUPPLIES / OPERATING SUPPLIES					continued			
PROJECT#:		062501						
1680		10/22 AP	03/11/22	0000000	O'DONNELL ACE HARDWARE	31.96		03/29/22
					DRILL BITS			
PROJECT#:		062507						
1680		10/22 AP	03/11/22	0000000	O'DONNELL ACE HARDWARE		32.07	03/29/22
					RETURN DRILL BITS			
PROJECT#:		062507						
1680		10/22 AP	03/11/22	0000000	O'DONNELL ACE HARDWARE	32.07		03/29/22
					DRILL BITS			
PROJECT#:		062507						
1673		10/22 AP	03/07/22	0000000	CITY LAUNDERING CO.	52.56		03/29/22
					FIRST AID SUPPLIES			
PROJECT#:		062506						
1673		10/22 AP	03/02/22	0000000	MENARDS-CEDAR FALLS	3.18		03/29/22
					PACKING COMPOUND			
PROJECT#:		062505						
1673		10/22 AP	03/01/22	0000000	MENARDS-CEDAR FALLS	39.25		03/29/22
					SANDPAPER AND BATTERIES			
PROJECT#:		062501						
					ACCOUNT TOTAL	2,289.38	32.07	2,257.31
101-6616-446.73-06 OTHER SUPPLIES / BUILDING REPAIR								
1701		10/22 AP	03/18/22	0000000	O'DONNELL ACE HARDWARE	14.69		03/29/22
					STOOL REPAIR-FLAPPER			
PROJECT#:		062509						
1701		10/22 AP	03/12/22	0000000	POLK'S LOCK SERVICE, INC.	50.00		03/29/22
					LOCK REPAIR			
PROJECT#:		062507						
1701		10/22 AP	03/11/22	0000000	PLUMB SUPPLY COMPANY, LLC	1.98		03/29/22
					TEST NIPPLE			
PROJECT#:		062501						
1673		10/22 AP	03/08/22	0000000	MILLER FENCE CO., INC.	360.05		03/29/22
					GATE REPAIR			
PROJECT#:		062511						
1680		10/22 AP	03/07/22	0000000	AIRE SERV.OF THE CEDAR VALLEY	80.45		03/29/22
					HVAC REPAIR			
PROJECT#:		062505						
1701		10/22 AP	03/07/22	0000000	CHRISTIE DOOR COMPANY	70.00		03/29/22
					OVERHEAD DOOR REPAIR			
PROJECT#:		062507						
1673		10/22 AP	03/02/22	0000000	PLUMB TECH INC.	160.00		03/29/22
					BOILER MAINTENANCE			
PROJECT#:		062511						
					ACCOUNT TOTAL	737.17	.00	737.17

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FUND 101 GENERAL FUND											
101-6616-446.86-02 REPAIR & MAINTENANCE / BUILDINGS & GROUNDS											
1701		10/22 AP		03/18/22	0000000	ARAMARK	28.80			03/29/22	
		PROJECT#: MAT SERVICE 062506									
1701		10/22 AP		03/18/22	0000000	ARAMARK	13.00			03/29/22	
		PROJECT#: MAT SERVICE 062506									
1680		10/22 AP		03/14/22	0000000	PROSHIELD FIRE & SECURITY	153.75			03/29/22	
		PROJECT#: FIRE EXTINGUISHER INSPECT 062507									
1673		10/22 AP		03/11/22	0000000	ARAMARK	13.00			03/29/22	
		PROJECT#: MAT SERVICE 062501									
1701		10/22 AP		03/11/22	0000000	ARAMARK	28.80			03/29/22	
		PROJECT#: MAT SERVICE 062506									
1680		10/22 AP		02/21/22	0000000	TK ELEVATOR CORPORATION	10.75			03/29/22	
		PROJECT#: ELEVATOR CONTRACT 062511									
		ACCOUNT TOTAL						248.10	.00	248.10	
101-6616-446.93-01 EQUIPMENT / EQUIPMENT											
1673		10/22 AP		03/08/22	0000000	ECHO GROUP, INC.	816.00			03/29/22	
		PROJECT#: LED LIGHT PANELS AT TRANSFER STATION 062506									
		ACCOUNT TOTAL						816.00	.00	816.00	
101-6625-432.71-01 OFFICE SUPPLIES / OFFICE SUPPLIES											
1651		10/22 AP		03/15/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	10.74			03/29/22	
		PROJECT#: CALCULATOR									
1651		10/22 AP		03/07/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	30.83			03/29/22	
		PROJECT#: STAPLES									
		ACCOUNT TOTAL						41.57	.00	41.57	
101-6625-432.73-05 OTHER SUPPLIES / OPERATING EQUIPMENT											
1695		10/22 AP		03/23/21	0000000	IOWA DEPT-TRANSPORTATION	467.00			03/29/22	
		PROJECT#: AIRMETER BILLING									
1695		10/22 AP		03/23/21	0000000	IOWA DEPT-TRANSPORTATION	158.56			03/29/22	
		PROJECT#: AIRMETER BILLING 3 GAUGES FOR LAB									
		ACCOUNT TOTAL						625.56	.00	625.56	
101-6625-432.81-44 PROFESSIONAL SERVICES / USGS RIVER GAUGE											



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FUND 101 GENERAL FUND										
101-6625-432.81-44						PROFESSIONAL SERVICES / USGS RIVER GAUGE				
1651		10/22 AP		03/01/22	0000000	MIDAMERICAN ENERGY	10.00		10.00	03/29/22
						FINCHFORD RIVER GAUGE				
						01/24/22-02/23/22				
						ACCOUNT TOTAL	10.00	.00	10.00	
101-6625-432.83-04 TRANSPORTATION&EDUCATION / DUES & MEMBERSHIPS										
1651		10/22 AP		03/15/22	0000000	SECRETARY, STATE OF IOWA	30.00		30.00	03/29/22
						NOTARY APP.-M.TOLAN				
						ACCOUNT TOTAL	30.00	.00	30.00	
101-6625-432.83-06 TRANSPORTATION&EDUCATION / EDUCATION										
1695		10/22 AP		03/24/22	0000000	IOWA DEPT-TRANSPORTATION	480.00		480.00	03/29/22
						AGGREGATE TECH-J.C.HAGER				
						CEDAR RAPIDS				
1695		10/22 AP		03/24/22	0000000	IOWA DEPT-TRANSPORTATION	300.00		300.00	03/29/22
						EROSION-M.PEREZ				
						CEDAR RAPIDS				
						ACCOUNT TOTAL	780.00	.00	780.00	
101-6625-432.86-25 REPAIR & MAINTENANCE / ENGINEERING & ARCHITECT.										
1651		10/22 AP		03/14/22	0000000	AECOM TECHNICAL SERVICES, INC	8,514.36		8,514.36	03/29/22
						3282-2021 SURVEY SERVICES				
						02/05/22-03/04/22				
						PROJECT#: 023282				
						ACCOUNT TOTAL	8,514.36	.00	8,514.36	
101-6633-423.72-01 OPERATING SUPPLIES / OPERATING SUPPLIES										
1701		10/22 AP		03/22/22	0000000	BENTON BUILDING CENTER	1,407.24		1,407.24	03/29/22
						TUBE LIGHTS,CAULK				
1701		10/22 AP		03/22/22	0000000	BENTON BUILDING CENTER	10.65		10.65	03/29/22
						GARBAGE CAN HOOKS				
1693		10/22 AP		03/18/22	0000000	BENTON BUILDING CENTER	15.70		15.70	03/29/22
						SCREWS				
1693		10/22 AP		03/15/22	0000000	BENTON BUILDING CENTER	17.36		17.36	03/29/22
						CIRC SAW BLADE				
1680		10/22 AP		03/10/22	0000000	TREE PRO	2,060.00		2,060.00	03/29/22
						TREE TUBES				
1693		10/22 AP		03/10/22	0000000	BENTON BUILDING CENTER	342.68		342.68	03/29/22
						FASCIA,TRUSS,HANGER,LUMBR				
1673		10/22 AP		03/08/22	0000000	BENTON BUILDING CENTER	42.36		42.36	03/29/22
						SPARE FRAMING				
1693		10/22 AP		03/08/22	0000000	POLK'S LOCK SERVICE,INC.	8.00		8.00	03/29/22
						KEYS				
1673		10/22 AP		03/07/22	0000000	CITY LAUNDERING CO.	92.37		92.37	03/29/22
						FIRST AID SUPPLIES				
						PARKS				

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FUND 101 GENERAL FUND										
101-6633-423.72-01						OPERATING SUPPLIES / OPERATING SUPPLIES				
1680				10/22	AP 03/04/22 0000000	ZIMCO SUPPLY CO.	3,190.00			03/29/22
						PRE EMERGENT FERTILIZER				
1680				10/22	AP 02/28/22 0000000	CULLIGAN WATER CONDITIONING UNION	8.74			03/29/22
						ROOM COLD COOLER AT 606				
1673				10/22	AP 02/24/22 0000000	O'DONNELL ACE HARDWARE	27.38			03/29/22
						GAUGE FOR PARKS				
1693				10/22	AP 12/31/21 0000000	POLK'S LOCK SERVICE, INC.	7.74			03/29/22
						FLAG POLE KEYS				
						ACCOUNT TOTAL	7,230.22	.00	7,230.22	
						FUND TOTAL	312,908.67	32.07	312,876.60	
FUND 203 TAX INCREMENT FINANCING										
FUND 206 STREET CONSTRUCTION FUND										
206-6637-436.72-16						OPERATING SUPPLIES / TOOLS				
1693				10/22	AP 03/21/22 0000000	GIERKE-ROBINSON COMPANY, INC.	254.96			03/29/22
						PRYBARS FOR TOOL TRUCKS				
						ACCOUNT TOTAL	254.96	.00	254.96	
206-6637-436.72-54						OPERATING SUPPLIES / BUILDING SUPPLIES				
1693				10/22	AP 03/23/22 0000000	O'DONNELL ACE HARDWARE	19.07			03/29/22
						PAINT				
						ACCOUNT TOTAL	19.07	.00	19.07	
206-6637-436.72-57						OPERATING SUPPLIES / ICE CONTROL				
1693				10/22	AP 03/18/22 0000000	MENARDS-CEDAR FALLS	3.89			03/29/22
						FITTINGS FOR BRINE SYSTEM FOR 239				
						ACCOUNT TOTAL	3.89	.00	3.89	
206-6637-436.72-60						OPERATING SUPPLIES / SAFETY SUPPLIES				
1673				10/22	AP 03/07/22 0000000	CITY LAUNDERING CO.	92.37			03/29/22
						FIRST AID SUPPLIES				
						STREETS				
						ACCOUNT TOTAL	92.37	.00	92.37	
206-6637-436.73-06						OTHER SUPPLIES / BUILDING REPAIR				
1693				10/22	AP 03/18/22 0000000	MENARDS-CEDAR FALLS	34.94			03/29/22
						PAINT AND LAVA ROCK FOR 2200 TECHNOLOGY				
1680				10/22	AP 03/08/22 0000000	MENARDS-CEDAR FALLS	27.96			03/29/22

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FUND 206 STREET CONSTRUCTION FUND										
206-6637-436.73-06 OTHER SUPPLIES / BUILDING REPAIR <span style="float: right;">continued</span>										
RUBBER CASTERS										
ACCOUNT TOTAL							62.90	.00	62.90	
206-6637-436.73-32 OTHER SUPPLIES / STREETS										
1680		10/22 AP		03/21/22	0000000	GIERKE-ROBINSON COMPANY, INC.	1,335.00			03/29/22
REBAR 1/2 X 20										
ACCOUNT TOTAL							1,335.00	.00	1,335.00	
206-6647-436.72-01 OPERATING SUPPLIES / OPERATING SUPPLIES										
1693		10/22 AP		03/11/22	0000000	CAMPBELL SUPPLY WATERLOO	334.14			03/29/22
BANDING STRAP										
1693		10/22 AP		03/11/22	0000000	ECHO GROUP, INC.	89.65			03/29/22
ELECTRICAL TAPE										
1693		10/22 AP		03/08/22	0000000	ECHO GROUP, INC.	85.10			03/29/22
WIRE										
1673		10/22 AP		03/07/22	0000000	ECHO GROUP, INC.	77.95			03/29/22
WIRE NUTS										
1673		10/22 AP		02/24/22	0000000	FASTENAL COMPANY	37.32			03/29/22
HARDWARE FOR MOUNTING LIGHTS										
ACCOUNT TOTAL							624.16	.00	624.16	
206-6647-436.73-12 OTHER SUPPLIES / TRAFFIC SIGNALS										
1693		10/22 AP		03/17/22	0000000	MOBOTREX, INC	5,070.00			03/29/22
TRAFFIC SIGNAL COMPONENTS										
ACCOUNT TOTAL							5,070.00	.00	5,070.00	
206-6647-436.92-01 STRUCTURE IMPROV & BLDGS / STRUCTURE IMPROV & BLDGS										
1680		10/22 AP		03/11/22	0000000	MOBOTREX, INC	7,780.00			03/29/22
PRE EMPT COMPONENTS										
1673		10/22 AP		03/10/22	0000000	MOBOTREX, INC	3,801.00			03/29/22
CONTROLLER										
ACCOUNT TOTAL							11,581.00	.00	11,581.00	
FUND TOTAL							19,043.35	.00	19,043.35	

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NBR	NBR	PER.	CD	DATE	NUMBER	DESCRIPTION	DEBITS	CREDITS	CURRENT	POST DT
									BALANCE	----
FUND 215 HOSPITAL FUND										
FUND 216 POLICE BLOCK GRANT FUND										
FUND 217 SECTION 8 HOUSING FUND										
FUND 223 COMMUNITY BLOCK GRANT										
223-2224-432.71-01 OFFICE SUPPLIES / OFFICE SUPPLIES										
1690		10/22 AP		03/11/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	2.10			03/29/22
						COPY PAPER				
ACCOUNT TOTAL							2.10	.00		2.10
FUND TOTAL							2.10	.00		2.10
FUND 224 TRUST & AGENCY										
FUND 242 STREET REPAIR FUND										
242-1240-431.92-84 STRUCTURE IMPROV & BLDGS / CEDAR HEIGHTS DRIVE										
1695		10/22 AP		03/01/22	0000000	QUESTCDN	315.00			03/29/22
		3230-22				STREET CONSTRUCT.				2/25/22 21 BIDS
PROJECT#:				023230						
ACCOUNT TOTAL							315.00	.00		315.00
242-1240-431.98-45 CAPITAL PROJECTS / MAIN STREET RECONSTRUCT										
1651		10/22 AP		03/08/22	0000000	FOTH INFRASTRUCTURE & ENVIRON	29,625.63			03/29/22
		3283-MAIN				ST RECONSTRUCT.				SERVICES THRU 1/31/22
PROJECT#:				023283						
ACCOUNT TOTAL							29,625.63	.00		29,625.63
FUND TOTAL							29,940.63	.00		29,940.63
FUND 254 CABLE TV FUND										
FUND 258 PARKING FUND										
FUND 261 TOURISM & VISITORS										
261-2291-423.73-52 OTHER SUPPLIES / BROCHURES & PUBLICATIONS										
1694		10/22 AP		03/15/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	12.75			03/29/22
						8.5X11 BROCHURE PAPER				
1694		10/22 AP		03/09/22	0000000	OFFICE EXPRESS OFFICE PRODUCT	59.97			03/29/22
						LEGAL SIZE BROCHURE PAPER				
ACCOUNT TOTAL							72.72	.00		72.72
261-2291-423.73-55 OTHER SUPPLIES / MEDIA										
1694		10/22 AP		03/14/22	0000000	EASTERN IOWA TOURISM ASSOC.	990.00			03/29/22
		1/2 PG				AD IN EITA TOUR				GUIDE/JOINT W/CFHS&CMS
ACCOUNT TOTAL							990.00	.00		990.00

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FUND 261 TOURISM & VISITORS										
261-2291-423.73-57						OTHER SUPPLIES / GIFT SHOP				
1694		10/22 AP		03/21/22	0000000	SAVVY SALVAGE US20 PINS & STICKERS	48.00			03/29/22
						ACCOUNT TOTAL	48.00	.00	48.00	
261-2291-423.83-07 TRANSPORTATION&EDUCATION / REGISTRATIONS										
1694		10/22 AP		03/15/22	0000000	GROW CEDAR VALLEY POWER NETWORKING CUNNINGHAM,BOLANDER	20.00			03/29/22
						ACCOUNT TOTAL	20.00	.00	20.00	
261-2291-423.85-23 UTILITIES / BUILDING MAINTENANCE										
1694		10/22 AP		03/18/22	0000000	ARAMARK	5.20			03/29/22
1694		10/22 AP		03/11/22	0000000	ARAMARK MAT SERVICE	5.20			03/29/22
						ACCOUNT TOTAL	10.40	.00	10.40	
261-2291-423.85-51 UTILITIES / EVENTS, BIDS, & SPONSORS										
1694		10/22 AP		03/15/22	0000000	CEDAR FALLS HISTORICAL SOCIET SPONSOR ICE HOUSE ADMIN DURING STURGIS/AD IN BOOK	250.00			03/29/22
						ACCOUNT TOTAL	250.00	.00	250.00	
261-2291-423.89-94 MISCELLANEOUS SERVICES / SPECIAL PROJECTS										
1694		10/22 AP		03/18/22	0000000	CEDAR VALLEY BICYCLE COLLECTI HALL BICYCLE '20 PEDLFEST SPONS-MOVE TO BRIDGES RID	500.00			03/29/22
1694		10/22 AP		03/13/22	0000000	CEDAR VALLEY CYCLISTS CV CYCLISTS '20 PEDLFEST SPONS-RETURN NO EVENT	250.00			03/29/22
						ACCOUNT TOTAL	750.00	.00	750.00	
						FUND TOTAL	2,141.12	.00	2,141.12	
FUND 262 SENIOR SERVICES & COMM CT										
262-1092-423.86-01						REPAIR & MAINTENANCE				
1620		10/22 AP		03/18/22	0000000	ARAMARK	5.20			03/29/22
1620		10/22 AP		03/11/22	0000000	ARAMARK COMM. CTR. MAT SERVICE	5.20			03/29/22



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FUND 262 SENIOR SERVICES & COMM CT										
262-1092-423.86-01 REPAIR & MAINTENANCE / REPAIR & MAINTENANCE continued										
1620		10/22 AP		03/07/22	0000000	CITY LAUNDERING CO.	48.16			03/29/22
						FIRST AID SUPPLY SERVICE- COMMUNITY CENTER				
ACCOUNT TOTAL							58.56	.00	58.56	
262-1092-423.89-08 MISCELLANEOUS SERVICES / BUS TRIPS/PROGRAMMING										
1620		10/22 AP		03/10/22	0000000	MASMAR, MANDY SUE	100.00			03/29/22
						SENIOR LINE DANCING FOR MARCH '22				
ACCOUNT TOTAL							100.00	.00	100.00	
FUND TOTAL							158.56	.00	158.56	
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										
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										
430-1220-431.97-64 TIF BOND PROJECTS / VIKING ROAD EXTENSION										
1695		10/22 AP		03/01/22	0000000	QUESTCDN	735.00			03/29/22
						3189-INDUSTRIAL PARK EXP. 2/11/22 49 BIDS				
PROJECT#: 023189										
ACCOUNT TOTAL							735.00	.00	735.00	
430-1220-431.97-70 TIF BOND PROJECTS / VIKING ROAD										
1651		10/22 AP		03/21/22	0000000	SNYDER & ASSOCIATES, INC.	4,616.75			03/29/22
						3212-WEST VIKING RD RECON SERVICES 2/1-2/28/22				
PROJECT#: 023212										
ACCOUNT TOTAL							4,616.75	.00	4,616.75	
430-1220-431.97-90 TIF BOND PROJECTS / PINNACLE PRAIRIE IMPROVE										

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FUND 430 2004 TIF BOND										
430-1220-431.97-90						TIF BOND PROJECTS / PINNACLE PRAIRIE IMPROVE	continued			
1651		10/22 AP		02/28/22	0000000	SNYDER & ASSOCIATES, INC.	5,144.38		03/29/22	
						3294-PINNACLE ROUNDABOUT				
						PROJECT#: 023294				
						ACCOUNT TOTAL	5,144.38	.00	5,144.38	
430-1220-431.97-96 TIF BOND PROJECTS / PRAIRIE PRKWY & VIKING RD										
1651		10/22 AP		02/28/22	0000000	SNYDER & ASSOCIATES, INC.	13,608.30		03/29/22	
						3294-VIKING & PRAIRIE				
						PROJECT#: 023294				
						ACCOUNT TOTAL	13,608.30	.00	13,608.30	
430-1220-431.98-48 CAPITAL PROJECTS / HUDSON ROAD/RIDGEWAY INT										
1651		10/22 AP		02/28/22	0000000	SNYDER & ASSOCIATES, INC.	9,913.04		03/29/22	
						3294-HUDSON & RIDGEWAY				
						PROJECT#: 023294				
						ACCOUNT TOTAL	9,913.04	.00	9,913.04	
						FUND TOTAL	34,017.47	.00	34,017.47	
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										
438-1220-431.98-83						CAPITAL PROJECTS / CEDAR HGTS DRIVE RECON				
1651		10/22 AP		02/25/22	0000000	SNYDER & ASSOCIATES, INC.	10,733.08		03/29/22	
						3171-CEDAR HEIGHTS RECON.				
						PROJECT#: 023171				
						ACCOUNT TOTAL	10,733.08	.00	10,733.08	
						FUND TOTAL	10,733.08	.00	10,733.08	

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FUND 439	2008	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								
551-6685-426.81-20		PROFESSIONAL SERVICES / HUMANE SOCIETY								
1696	10/22	AP 03/16/22	0000000			WATERLOO, CITY OF	313.95			03/29/22
						DEER DISPOSAL;2/1-2/28/22				
1696	10/22	AP 02/18/22	0000000			WATERLOO, CITY OF	303.55			03/29/22
						DEER DISPOSAL;1/1-1/31/22				
						ACCOUNT TOTAL	617.50	.00		617.50
551-6685-436.71-06		OFFICE SUPPLIES / OFFICE EQUIPMENT SUPPLIES								
1693	10/22	AP 03/17/22	0000000			OFFICE EXPRESS OFFICE PRODUCT	44.70			03/29/22
						DUSTER FOR TRANSFER ST				
1693	10/22	AP 03/15/22	0000000			OFFICE EXPRESS OFFICE PRODUCT	58.82			03/29/22
						TAPE FOR LABELING FOR ROUTEWEAR				
						ACCOUNT TOTAL	103.52	.00		103.52
551-6685-436.72-16		OPERATING SUPPLIES / TOOLS								
1673	10/22	AP 03/08/22	0000000			O'DONNELL ACE HARDWARE	78.44			03/29/22
						VOLTAGE TESTER,ELEC.TAPE				
						ACCOUNT TOTAL	78.44	.00		78.44
551-6685-436.72-60		OPERATING SUPPLIES / SAFETY SUPPLIES								
1673	10/22	AP 03/07/22	0000000			CITY LAUNDERING CO.	75.99			03/29/22
						FIRST AID SUPPLIES				
						TRANSFER STATION				
						ACCOUNT TOTAL	75.99	.00		75.99
551-6685-436.73-01		OTHER SUPPLIES / REPAIR & MAINT. SUPPLIES								
1701	10/22	AP 03/24/22	0000000			O'DONNELL ACE HARDWARE	15.38			03/29/22
						LIGHT BULBS FOR UNDER				
1680	10/22	AP 03/21/22	0000000			O'DONNELL ACE HARDWARE	13.38			03/29/22

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FUND 551 REFUSE FUND									
551-6685-436.73-01 OTHER SUPPLIES / REPAIR & MAINT. SUPPLIES						continued			
1680				10/22 AP 03/17/22 0000000	PAINT FOR TRANS STATION DIAMOND VOGEL PAINT - #64/#55	40.56			03/29/22
1680				10/22 AP 03/17/22 0000000	ANTI SLIP PAINT O'DONNELL ACE HARDWARE	24.99			03/29/22
1680				10/22 AP 03/17/22 0000000	TAPE MEASURE-CEILING TILE PROJECT O'DONNELL ACE HARDWARE	6.39			03/29/22
1680				10/22 AP 03/17/22 0000000	ROLLERS SHERWIN-WILLIAMS COMPANY		203.78		03/29/22
1693				10/22 AP 03/17/22 0000000	CREDIT FOR PAINT RETURN MENARDS-CEDAR FALLS	47.39			03/29/22
1680				10/22 AP 03/16/22 0000000	VALUE OSB-TRANSFER ST PROJECT DIAMOND VOGEL PAINT - #64/#55	45.56			03/29/22
1680				10/22 AP 03/16/22 0000000	PAINT, SCRAPER, COVER O'DONNELL ACE HARDWARE	11.98			03/29/22
1693				10/22 AP 03/16/22 0000000	DUST PAN/BRUSH,HAND POLY MENARDS-CEDAR FALLS	24.19			03/29/22
1680				10/22 AP 03/15/22 0000000	PAINT FOR TRANSFER ST O'DONNELL ACE HARDWARE	69.62			03/29/22
1680				10/22 AP 03/15/22 0000000	PAINT,TRAY,BRUSH,LINER O'DONNELL ACE HARDWARE		81.98		03/29/22
1680				10/22 AP 03/15/22 0000000	CREDIT-PAINT RETURNED SHERWIN-WILLIAMS COMPANY	305.67			03/29/22
1693				10/22 AP 03/15/22 0000000	PAINT FOR TRANSFER STAT MENARDS-CEDAR FALLS	52.96			03/29/22
1673				10/22 AP 03/14/22 0000000	YELLOW PAINT FOR TRANSFER STATION DIAMOND VOGEL PAINT - #64/#55	11.86			03/29/22
1673				10/22 AP 03/14/22 0000000	PAINT HAND CLEANER DIAMOND VOGEL PAINT - #64/#55	78.29			03/29/22
1673				10/22 AP 03/11/22 0000000	PAINT, COVER, POLY O'DONNELL ACE HARDWARE	12.38			03/29/22
1673				10/22 AP 03/10/22 0000000	PIPE THREAD TRANSFER STATION PROJECT O'DONNELL ACE HARDWARE	45.07			03/29/22
1673				10/22 AP 03/09/22 0000000	SWIFFER,NUTS & BOLTS O'DONNELL ACE HARDWARE	133.32			03/29/22
					ROLLER,ROLLER FRAME,PAINT				
ACCOUNT TOTAL						938.99	285.76	653.23	
551-6685-436.86-36 REPAIR & MAINTENANCE / TRANSFER STATION MAINT.									
1680				10/22 AP 03/17/22 0000000	SHUTTER FOR EXHAUST AT JOHNSTONE SUPPLY OF WATERLOO	134.75			03/29/22
1680				10/22 AP 03/15/22 0000000	CONDUIT FOR TRANSFER TRANSFER STATION ECHO GROUP, INC.	62.73			03/29/22
1693				10/22 AP 03/11/22 0000000	TUBE SRUT CLMPS FERGUSON ENTERPRISES, INC.	300.60			03/29/22
1680				10/22 AP 03/10/22 0000000	SUPPLIES-GATE VLV,CLMP FERGUSON ENTERPRISES, INC.	983.38			03/29/22
1673				10/22 AP 03/09/22 0000000	SCOT'S SUPPLY CO., INC.	11.76			03/29/22

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FUND 551 REFUSE FUND										
551-6685-436.86-36 REPAIR & MAINTENANCE / TRANSFER STATION MAINT.						continued				
1680				10/22	AP 03/09/22 0000000	WEDGE ANCH. MENARDS-CEDAR FALLS	77.48			03/29/22
1680				10/22	AP 03/06/22 0000000	STRUT GLV MENARDS-CEDAR FALLS	33.98			03/29/22
1680				10/22	AP 02/07/22 0000000	TARP FOR DOCK AREA CONTROL INSTALLATIONS OF IOWA VESTIBULE DOOR REPAIR AT TRANSFER STATION	697.01			03/29/22
ACCOUNT TOTAL							2,301.69	.00	2,301.69	
551-6685-436.86-37 REPAIR & MAINTENANCE / REFUSE CART TRACKING SW										
1693				10/22	AP 03/16/22 0000000	OFFICE EXPRESS OFFICE PRODUCT LABELMAKER FOR NEW REFUSE CARTS ROUTEWEAR	155.35			03/29/22
ACCOUNT TOTAL							155.35	.00	155.35	
551-6685-436.87-02 RENTALS / MATERIAL DISPOSAL/HANDLIN										
1680				10/22	AP 03/15/22 0000000	ELECTRONIC WASTE RECYCLE MIDWEST ELECTRONIC RECOVERY	937.40			03/29/22
1680				10/22	AP 03/12/22 0000000	SCRAP TIRE RECYCLING LIBERTY TIRE RECYCLING, LLC	565.22			03/29/22
ACCOUNT TOTAL							1,502.62	.00	1,502.62	
551-6685-436.92-01 STRUCTURE IMPROV & BLDGS / STRUCTURE IMPROV & BLDGS										
1693				10/22	AP 03/23/22 0000000	TRANSFER STATION PROJECT BW CONTRACTORS, INC.	12,599.00			03/29/22
1693				10/22	AP 03/22/22 0000000	TRANSFER STATION REPAIR C & C WELDING & SANDBLASTING WALKING FLOOR	28,004.41			03/29/22
1701				10/22	AP 03/16/22 0000000	CEILING TILES FOR MENARDS-CEDAR FALLS TRANSFER	1,037.07			03/29/22
1673				10/22	AP 03/14/22 0000000	WALKING FLOOR FOR TRANS KEITH MFG. CO. STATION	11,450.00			03/29/22
ACCOUNT TOTAL							53,090.48	.00	53,090.48	
FUND TOTAL							58,864.58	285.76	58,578.82	
FUND 552 SEWER RENTAL FUND										
552-6655-436.72-16 OPERATING SUPPLIES / TOOLS										
1684				10/22	AP 03/16/22 0000000	PIPE WRENCH CAMPBELL SUPPLY WATERLOO	350.99			03/29/22
ACCOUNT TOTAL							350.99	.00	350.99	



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FUND 552 SEWER RENTAL FUND										
552-6655-1651	436.92	18	AP	02/23/22	0000000	STRUCTURE IMPROV & BLDGS / I/I REDUCTION PROJECT WHKS	1,435.00			03/29/22
				10/22	3291-PARK DR LIFT STATION	01/15/22-02/11/22				
PROJECT#:						023291				
ACCOUNT TOTAL							1,435.00	.00	1,435.00	
552-6665-436.72-26 OPERATING SUPPLIES / TESTING & LAB										
552-6665-1684	436.72	26	AP	03/16/22	0000000	MIDLAND SCIENTIFIC, INC. LAB SUPPLIES	108.24			03/29/22
ACCOUNT TOTAL							108.24	.00	108.24	
552-6665-436.72-60 OPERATING SUPPLIES / SAFETY SUPPLIES										
552-6665-1684	436.72	60	AP	03/21/22	0000000	O'DONNELL ACE HARDWARE RESPIRATORS	78.97			03/29/22
552-6665-1684	436.72	60	AP	03/07/22	0000000	CITY LAUNDERING CO. RESTOCK 1ST AID KIT	100.94			03/29/22
ACCOUNT TOTAL							179.91	.00	179.91	
552-6665-436.73-05 OTHER SUPPLIES / OPERATING EQUIPMENT										
552-6665-1684	436.73	05	AP	03/18/22	0000000	MENARDS-CEDAR FALLS CLEANER	35.94			03/29/22
552-6665-1684	436.73	05	AP	03/15/22	0000000	O'DONNELL ACE HARDWARE GLUE	3.69			03/29/22
552-6665-1684	436.73	05	AP	03/09/22	0000000	JOHNSTONE SUPPLY OF WATERLOO PLASTIC SHEETING	78.46			03/29/22
552-6665-1684	436.73	05	AP	03/09/22	0000000	JOHNSTONE SUPPLY OF WATERLOO FURNACE FILTERS	182.37			03/29/22
552-6665-1684	436.73	05	AP	03/07/22	0000000	SUEZ TREATMENT SOLUTIONS INC. UV LAMPS	3,850.00			03/29/22
552-6665-1684	436.73	05	AP	02/24/22	0000000	ELECTRICAL ENGINEERING & EQUI CONTACTOR-STARTER KIT	245.75			03/29/22
552-6665-1684	436.73	05	AP	02/24/22	0000000	ELECTRICAL ENGINEERING & EQUI CONTACTOR-STARTER COIL	268.41			03/29/22
552-6665-1684	436.73	05	AP	02/23/22	0000000	CRESCENT ELECTRIC LED LAMPS	294.24			03/29/22
ACCOUNT TOTAL							4,958.86	.00	4,958.86	
552-6665-436.73-36 OTHER SUPPLIES / SAN. LIFT STATION SUPP.										
552-6665-1684	436.73	36	AP	03/11/22	0000000	GRAINGER PARTS PLUGS ELECTRIC	591.02			03/29/22
552-6665-1684	436.73	36	AP	03/04/22	0000000	ELECTRICAL ENGINEERING & EQUI SERVICE CALL- GENERATOR	1,132.13			03/29/22

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FUND 552 SEWER RENTAL FUND									
552-6665-436.73-36						OTHER SUPPLIES / SAN. LIFT STATION SUPP.	continued		
1684		10/22 AP		02/22/22	0000000	POLK'S LOCK SERVICE, INC. KEYS AND LOCK	3.00		03/29/22
						ACCOUNT TOTAL	1,726.15	.00	1,726.15
552-6665-436.86-01 REPAIR & MAINTENANCE / REPAIR & MAINTENANCE									
1684		10/22 AP		03/11/22	0000000	HUPP ELECTRIC MOTORS	3,920.84		03/29/22
1684		10/22 AP		03/01/22	0000000	PUMP REPAIR POLK'S LOCK SERVICE, INC.	2.50		03/29/22
1684		10/22 AP		02/09/22	0000000	LOCK REPAIR ALLIED GLASS PRODUCTS DOOR REPAIR GLASS	288.84		03/29/22
						ACCOUNT TOTAL	4,212.18	.00	4,212.18
552-6665-436.86-12 REPAIR & MAINTENANCE / TOWELS									
1684		10/22 AP		03/18/22	0000000	ARAMARK	23.36		03/29/22
1684		10/22 AP		03/11/22	0000000	RUGS ARAMARK RUGS	23.36		03/29/22
						ACCOUNT TOTAL	46.72	.00	46.72
						FUND TOTAL	13,018.05	.00	13,018.05
FUND 553 2004 SEWER BOND									
FUND 555 STORM WATER UTILITY									
555-6630-432.92-01						STRUCTURE IMPROV & BLDGS / STRUCTURE IMPROV & BLDGS			
1651		10/22 AP		03/10/22	0000000	AECOM TECHNICAL SERVICES, INC	1,141.23		03/29/22
						3215-OLIVE ST BOX CULVERT PROJECT#: 023215			
						ACCOUNT TOTAL	1,141.23	.00	1,141.23
						FUND TOTAL	1,141.23	.00	1,141.23
FUND 570 SEWER ASSESSMENT									
FUND 606 DATA PROCESSING FUND									
606-1078-441.82-10						COMMUNICATION / TELEPHONE HOLDING ACCOUNT			
1707		10/22 AP		03/22/22	0000000	GORDON FLESCH COMPANY	1,090.75		03/29/22
						COPIERS/24629-MPS01/MAR22 3/22-4/21/22&SHIP TONER			
						ACCOUNT TOTAL	1,090.75	.00	1,090.75

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FUND 606 DATA PROCESSING FUND										
606-1078-441.93-01 EQUIPMENT / EQUIPMENT										
1707		10/22 AP		03/15/22	0000000	BERRY DUNN MCNEIL & PARKER, L NEW FINANCE SYSTEM RFP	17,895.00			03/29/22
						ACCOUNT TOTAL	17,895.00	.00	17,895.00	
						FUND TOTAL	18,985.75	.00	18,985.75	
FUND 680 HEALTH INSURANCE FUND										
FUND 681 HEALTH SEVERANCE										
FUND 682 HEALTH INSURANCE - FIRE										
FUND 685 VEHICLE MAINTENANCE FUND										
685-6698-446.72-05 OPERATING SUPPLIES / GAS & OIL										
1701		10/22 AP		03/22/22	0000000	CONSOLIDATED ENERGY COMPANY	964.78			03/29/22
1701		10/22 AP		03/17/22	0000000	DIESEL FUEL-CEMETERY NORTHLAND PRODUCTS CO.	237.60			03/29/22
1701		10/22 AP		03/10/22	0000000	USED OIL COLLECTION HTP ENERGY	28,409.99			03/29/22
1701		10/22 AP		02/28/22	0000000	GASOHOL AT 2200 TECH AIRGAS USA, LLC WELDING GAS	62.82			03/29/22
						ACCOUNT TOTAL	29,675.19	.00	29,675.19	
685-6698-446.72-16 OPERATING SUPPLIES / TOOLS										
1701		10/22 AP		03/10/22	0000000	DEAN HUBKA-MATCO TOOLS STUD REMOVER	312.95			03/29/22
						ACCOUNT TOTAL	312.95	.00	312.95	
685-6698-446.73-04 OTHER SUPPLIES / VEHICLE SUPPLIES										
1701		10/22 AP		03/24/22	0000000	C & C WELDING & SANDBLASTING STOCK PLATE STEEL	809.30			03/29/22
1701		10/22 AP		03/23/22	0000000	C & C WELDING & SANDBLASTING STOCK STEEL SUPPLY	1,685.58			03/29/22
1701		10/22 AP		03/22/22	0000000	INTERSTATE POWER SYSTEMS, INC REMOVE TRANSMISSION #345	10,795.86			03/29/22
1701		10/22 AP		03/21/22	0000000	CONTINENTAL RESEARCH CORP. HVAC CLEANER	146.43			03/29/22
1701		10/22 AP		03/18/22	0000000	MACQUEEN EQUIPMENT HUB OIL CREDIT ON #P15458		70.50		03/29/22
1701		10/22 AP		03/14/22	0000000	LAWSON PRODUCTS, INC.	44.07			03/29/22
1701		10/22 AP		03/14/22	0000000	MISC SHOP SUPPLIES LAWSON PRODUCTS, INC.	88.15			03/29/22
1701		10/22 AP		03/11/22	0000000	MISC SHOP SUPPLIES LAWSON PRODUCTS, INC.	1,524.10			03/29/22

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FUND 685 VEHICLE MAINTENANCE FUND										
685-6698-446.73-04 OTHER SUPPLIES / VEHICLE SUPPLIES						continued				
1701				10/22	AP 03/11/22 0000000	MISC SHOP SUPPLIES MACQUEEN EQUIPMENT	2,515.01			03/29/22
1701				10/22	AP 03/04/22 0000000	#293 WARNING LIGHTS ANDF FRONT WINDSHIELD GUARD TOYNE, INC.	76.41			03/29/22
1701				10/22	AP 03/03/22 0000000	WINDOW CRANK HANDLES #FD502 TOYNE, INC.	121.52			03/29/22
						4" PUMP INTAKE GAUGE #FD502				
ACCOUNT TOTAL							17,806.43	70.50		17,735.93
685-6698-446.86-04 REPAIR & MAINTENANCE / RADIO & COMMUNICATIONS										
1701				10/22	AP 03/15/22 0000000	AVL CELL CHARGE PRECISE MRM LLC	1,020.00			03/29/22
ACCOUNT TOTAL							1,020.00	.00		1,020.00
685-6698-446.86-12 REPAIR & MAINTENANCE / TOWELS										
1701				10/22	AP 03/18/22 0000000	SHOP TOWELS ARAMARK	82.45			03/29/22
1701				10/22	AP 03/11/22 0000000	SHOP TOWELS ARAMARK	82.45			03/29/22
ACCOUNT TOTAL							164.90	.00		164.90
685-6698-446.87-08 RENTALS / WORK BY OUTSIDE AGENCY										
1701				10/22	AP 03/03/22 0000000	TOWED TRUCK #347 RASMUSSEN CO., THE	500.00			03/29/22
ACCOUNT TOTAL							500.00	.00		500.00
685-6698-446.93-01 EQUIPMENT / EQUIPMENT										
1701				10/22	AP 03/09/22 0000000	PD13 UPLIFTING COST KELTEK INCORPORATED VM00632	20,198.98			03/29/22
1701				10/22	AP 03/08/22 0000000	PD12 DECALS SIGNS BY TOMORROW	751.50			03/29/22
ACCOUNT TOTAL							20,950.48	.00		20,950.48
FUND TOTAL							70,429.95	70.50		70,359.45

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FUND 686						PAYROLL FUND			
FUND 687						WORKERS COMPENSATION FUND			
FUND 688						LTD INSURANCE FUND			
FUND 689						LIABILITY INSURANCE FUND			
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	571,384.54	388.33	570,996.21