



CITY OF MARSHALL
Public Improvement and Transportation
Committee
A g e n d a
Tuesday, February 14, 2023 at 2:00 PM
City Hall, 344 W. Main St.

APPROVAL OF AGENDA

APPROVAL OF MINUTES

1. Consider Approval of the Minutes

NEW BUSINESS

2. Project ST-009: W Lyon St. / N 3rd St. Reconstruction Project.
3. Project ST-010: Lyon Circle Reconstruction Project.
4. Project AP-003: Airport Snow Removal Equipment (SRE) Building.

ADJOURN



CITY OF MARSHALL AGENDA ITEM REPORT

Presenter:	Chair
Meeting Date:	Tuesday, February 14, 2023
Category:	APPROVAL OF MINUTES
Type:	ACTION
Subject:	Consider Approval of the Minutes
Background Information:	Enclosed are the minutes from the meeting held on January 24, 2023.
Fiscal Impact:	
Alternative/ Variations:	Staff encourages Members to provide any suggested corrections to the minutes in writing to City Clerk, Steven Anderson, prior to the meeting.
Recommendations:	That the minutes from the meeting held on January 24, 2023, be approved as filed with each member and that the reading of the same be waived.

**MINUTES
PUBLIC IMPROVEMENT/TRANSPORTATION COMMITTEE MEETING
January 24, 2023
11:00 AM**

MEMBERS PRESENT: Schafer, Lozinski, Alcorn

MEMBERS ABSENT: None

STAFF PRESENT: Director of Public Works/City Engineer Jason Anderson, Senior Engineering Specialist Geoffrey Stelter, City Administrator Sharon Hanson, Director of Administrative Services E.J. Moberg, Parks Superintendent Preston Stensrud

OTHERS PRESENT: None

Call to Order.

Schafer called the meeting to order at 11:01 am.

1. Approval of the Minutes.

MOTION BY LOZINSKI, SECONDED BY SCHAFFER to approve the minutes of the November 7, 2022 Public Improvement/Transportation Committee meeting. ALL VOTED IN FAVOR. MOTION PASSED 3:0.

Election of Chairperson.

MOTION BY LOZINSKI, SECONDED BY ALCORN to nominate Craig Schafer as Chairperson of the Committee. ALL VOTED IN FAVOR. MOTION PASSED 3:0.

2. Project ST-009: N. 3rd/W. Lyon Reconstruction Project – Review 90% Engineering Plans.

Staff and PI/T Committee members have spent considerable time working with Bolton & Menk staff and the Downtown Business Association (DBA) regarding the reconstruction of N. 3rd Street and W. Lyon Street for 2023. Numerous topics have been discussed, including: parking, lane widths, sidewalk and ADA standards, streetscaping, Main/3rd traffic signal, dedicated pedestrian signal (HAWK system), and many other more detailed topics.

At the last PI/T meeting on 11/7/22, the PI/T Committee offered concurrence with City staff's recommendation to move forward with the streetscaping plan as was crafted by Bolton & Menk, with input from the DBA. The PI/T Committee wanted more discussion regarding the string lighting over N. 3rd Street, but were open to ensuring that the proper footings were installed to accommodate string lighting later if the City Council elected to leave that out of the project. Further, the PI/T Committee offered concurrence with City staff's proposal to offer an 80-20 cost share for streetscaping costs on the project, with the City covering 80% of the costs. This cost share is the same that was approved for the Main Street Project in 2007.

Since the last PI/T meeting, Bolton & Menk and City staff have been moving forward with project design. Included in the packet for consideration are landscaping and electrical plan sheets for the project. City staff would like the PI/T Committee to review and consider the plans as they've been developed for any final input. We are nearing plan completion and staff would like some input and guidance from the Committee regarding the streetscaping.

String lighting is shown on this plan. City staff has discussed removing the street light poles from the construction contract and working with Marshall Municipal Utilities (MMU) regarding the purchase and installation of the light poles. MMU has typically purchased and installed lighting for city streets in accordance with our cooperative agreement, and City staff would propose to do the same for this project area. Removing street lighting costs from the project will reduce the streetscaping cost on the project and move those costs to the City to be handled in the same manner as all other street lighting.

Staff is supportive of the streetscaping plan that is being proposed by Bolton & Menk. The plan has been provided to Brad Meulebroeck as well for his review and consideration, as Brad is the majority property owner on the block of N. 3rd Street that is receiving the most streetscaping treatment. City staff believe that Brad and his team are supportive of the project. Current construction cost is estimated at \$3,000,000. The total cost, including 10% contingency and 16% engineering and administrative costs is \$3,828,000. Current streetscaping costs are included with this number and are still estimated at roughly \$302,000; this is the same cost that was shared with PI/T on 11/7/2022. City staff is currently working with Bolton & Menk to update this cost estimate.

NO VOTING ACTION was taken on this item at this time. Anderson indicated Council action tonight is to authorize preparation of plans and specifications. Upon receipt of final plans from consultant, it is the intent to have the Committee meet again prior to 02/14/2023 City Council with anticipated action of approving plans and specifications and authorize advertisement for bids.

3. Review 2023 Construction Projects.

Anderson presented information relating to the following proposed 2023 projects.

- ST-001-2023: Chip Seal Project - Annual chip seal project. The estimated total project cost is approximately \$169,126.78. The Street Department budget includes a \$170,000 line item for seal coating city streets in 2023.
- ST-002-2023: Mill & Overlay Project - Annual mill and overlay project. Current project estimate for mill and overlay and ADA sidewalk ramp work is \$859,247. Proposed funding for the project is as follows:
 - 2023 Street Department budget includes \$625,000.
 - 2023 Wastewater budget includes approximately \$149,500.
 - ADM per MOU dated 12/27/2022 provides for approximately \$115,065. (Per MOU, actual project quantities and costs will be utilized for determination of costs to be billed to and paid by ADM.)
- ST-008 / SAP 139-121-004: Channel Parkway Resurfacing Project - Replacement of existing bituminous pavement with mill and overlay, replacement of curb and gutter, and ADA pedestrian ramps along Channel Parkway. The estimated cost is \$1,631,941.40. This cost includes 5% contingency. Engineering fees may be billed to our Municipal State Aid account in addition to the above construction cost.
- SWM-002: Legion Field Stormwater Improvements-Phase II - The proposed Phase II improvements include a new pipe crossing of the railroad tracks and a ponding improvement north of the tracks and south of the Parkway Addition to manage the stormwater runoff from the developed land south of the BNSF railroad tracks. The developed industrial area south of the railroad tracks has been nearly completely covered by impervious surfacing for many years, and the development pre-dated current requirements for on-site stormwater management. This resulted in development that sheds stormwater quickly without managing the volume of stormwater runoff that is generated. The estimated total project cost is approximately \$939,000. This cost includes project contingency and engineering fees.
- ST-010: Lyon Circle Reconstruction - Lyon Circle has been included in the 2023 CIP for complete reconstruction. The project is proposed to include the complete reconstruction of the road and curb and gutter. The newly constructed road will be narrower than the current circle, a reflection of the very low traffic demand for the dead-end circle. In addition, sanitary sewer will be replaced and the water main in the circle will be extended to the end of the circle and a fire hydrant will be added to the dead end. The project is identified in our 2023 CIP at a total cost of \$178,951. The project will be assessed in accordance with our current special assessment policy.
- MMU-001: MN 23 Watermain Crossings Project - Install a 24" Casing pipe (Jack and Bore or Directional Drilled) with a 16" Watermain Crossing T.H.23 approximately 225' East of the intersection of T.H. 23 & Travis Road mile marker 72. Watermain Crossing, Install a 12" Casing pipe (Jack and Bore or Directional Drilled) with a 8" Watermain Crossing T.H.23 approximately 300' East of the intersection of T.H. 23 & Saratoga Street mile marker 73. The estimated total project cost is approximately \$578,700.00 to be funded by MMU. This cost includes project contingency and engineering fees. This project has no direct cost for the City of Marshall. The project is a "water-only" project and the water utility is managed by

the Marshall Municipal Utilities Commission. The City is serving as the engineer for the project and will design, inspect, and administer this construction project in the same manner that we typically do for other city capital infrastructure projects. The City will charge a 16% fee for engineering services rendered on the project, which is the same fee that we typically charge that is outlined in our cooperative agreement with MMU. The MMU Commission will be the authority regarding the award of this bid. Once bids are received and if the MMU Commission elects to award the project, City staff will inform the City Council for their reference and understanding.

- WW-005: MN 23 Lift Station Improvements - This project is identified in the City Capital Improvement Plan (CIP) for 2023 at an estimated cost of \$350,000. The MN 23 lift station is one of the four lift stations for our community that pump wastewater directly to our Wastewater Treatment Facility. The MN 23 Lift Station was installed in 1993. Most of the equipment is original and has reached the end of its useful life. This project will replace the pumps, 2 VFDs, generator switchgear, and miscellaneous electrical conduits and other piping as required. Further, the project will include the installation of a liner to the wet well to protect and extend the life of the wet well structure.
- ST-009: N. 3rd/W Lyon Downtown Reconstruction Project (separate agenda item)
- Park Projects: Stensrud reviewed Parks projects. Discussion followed on sales tax utilization and bonding. Moberg reviewed revenue from food, beverage, lodging tax and expenses.

NO VOTING ACTION was taken on this item. This agenda item is informational only.

Other Business.

No other business discussed.

Adjourn.

MOTION BY LOZINSKI, SECONDED BY ALCORN to adjourn the meeting. ALL VOTED IN FAVOR. MOTION PASSED 3:0. Meeting adjourned at 12:25 pm.

Respectfully submitted,
Lona Rae Konold, Administrative Assistant

PI/T COMMITTEE – 02/14/2023 AGENDA ITEM REPORT

Presenter:	Jason Anderson
Meeting Date:	Tuesday, February 14, 2023
Category:	NEW BUSINESS
Type:	ACTION
Subject:	Project ST-009: W Lyon St. / N 3rd St. Reconstruction Project.
Background Information:	<p>This project consists of: reconstruction and utility replacement on West Lyon Street from East College Drive to North 5th Street and North 3rd Street from West Main Street to West Redwood Street. All utilities will be replaced, including watermain, sanitary sewer, and storm sewer on West Lyon and North 3rd Streets. Other items of work included in this project are pavement removal, aggregate base, concrete surfacing, sidewalks, curb and gutter, streetscaping, and other minor work. Also included with this project will include reconstruction of the Addison Parking Lot adjacent to West Lyon Street and East College Drive. Reconstruction of the parking lot will include pavement removal, grading, aggregate base, and concrete surfacing.</p> <p>This reconstruction project has been discussed at multiple meetings of the PI/T Committee and Downtown Business Association (DBA), with meetings including Bolton & Menk and City staff. Numerous topics have been discussed, including: parking, lane widths, sidewalk and ADA standards, streetscaping, Main/3rd traffic signal, dedicated pedestrian signal (HAWK system), and many other more detailed topics.</p> <p>Most recently, the PI/T met on 01/24/2023. At the PI/T meeting on 01/24/2023, no voting action was taken on this item at that time with the intent to meet again upon receipt of final plans from consultant and prior to the 02/14/2023 City Council with anticipated Council action of approving plans and specifications and authorize advertisement for bids.</p> <p>At their meeting on 01/24/2023, the City Council conducted a public improvement hearing, ordered the improvement, and ordered preparation of plans and specifications. The plans and specifications have been prepared by City staff for the above-referenced project. City staff also met with the DBA on 02/08/2023. Previously, City staff has also held individual meetings with some of the affected business owners regarding the project.</p> <p>Included in this packet are engineering plan sheets related to downtown landscaping for review. Some features of the final streetscape shown on the plans include:</p> <ul style="list-style-type: none"> - Each intersection incorporates curb bump outs to reduce the distance across the street for pedestrian street crossings and bring pedestrians closer to the vehicular traffic, making the pedestrian more visible. - Streets are slightly narrowed to increase sidewalk space. This results in a better pedestrian environment for downtown and also improves ADA accessibility by allowing for sidewalk cross slopes to be reduced (making the sidewalk flatter, or less steep). - Parking is adjusted from angle parking on both sides on W. Lyon Street to angle parking on one side, parallel parking on the other. This allows for the street to be narrowed for ADA and it allows for vehicles to have more space on the street than exists today, making the downtown area feel less restricted or less tight when driving.

	<ul style="list-style-type: none"> - Parking is added on N. 3rd Street between W. Lyon Street and W. Redwood Street by offering angle parking on one side and parallel parking on the other. The addition of parking was made possible due to the U.S. Postal Service moving the drop boxes from the street area to the alley area next to their property. - The one block of N. 3rd Street between W. Main Street and W. Lyon Street is converted from a two-way street to a one-way street heading in the direction from Main to Lyon. The traffic signal heads that face N. 3rd Street will be removed, but the signal will remain in-place to stop traffic for pedestrian crossings of W. Main Street. Treatment of the traffic signal was studied by the City through a contract with Bolton & Menk and MnDOT has approved the Intersection Control Evaluation (ICE) that proposes this change. Leaving this signal was a concession and compromise of the City to the DBA because the DBA was not in support of traffic signal removal and installation of an RRFB or HAWK type of pedestrian signal. - Streetscaping (landscaping) was added largely on the one block of N. 3rd Street between Main Street and W. Lyon Street. The majority property owner on the block has requested these types of improvements and the plan incorporates numerous offerings: landscaping areas with perennial plantings, benches, street lights that accommodate string lighting over the roadway area, possible string lighting, pedestrian plaza area between W. Main Street and the alley, roll-over type of curbing along the plaza for more cohesive usage during downtown events, lighted bollards along the roll-over type of curbing to allow for delineation between the street and sidewalk, street trees, and electrical pedestals throughout the block, including some that are large enough for food truck usage. Landscaping areas are “flush” or level to the sidewalk elevation as requested by the DBA.
Fiscal Impact:	The engineer’s estimate for the construction portion of the project is \$3,500,000. The total estimated project cost, including 5% allowance for contingencies and 16% for engineering and administrative costs is \$4,263,000. All improvements will be assessed according to the current Special Assessment Policy, including but not limited to participation from Marshall Municipal Utilities, Wastewater Department, Surface Water Management Utility Fund and Ad Valorem. Final approval of the project must include determination of funding sources.
Alternative/ Variations:	No alternative actions recommended.
Recommendations:	that the Committee recommend to City Council to adopt the “Resolution Approving Plans and Specifications and Ordering Advertisement for Bids” for Project ST-009: W Lyon St. / N 3rd St. Reconstruction Project at their meeting on 02/14/2023.

CITY OF MARSHALL

CONSTRUCTION PLANS FOR

2023 - NORTH 3RD STREET & WEST LYON STREET IMPROVEMENTS

CITY PROJECT # ST-009

SANITARY SEWER, WATERMAIN, STORM SEWER, AGGREGATE BASE, CURB & GUTTER, CONCRETE SIDEWALK,
CONCRETE STREET PAVEMENT, STREETSCAPING AND TURF RESTORATION

FEBRUARY 2023

RESOURCE LIST

CITY OF MARSHALL
CITY HALL
344 W MAIN ST
MARSHALL, MN 56258
507-537-6760

CITY ADMINISTRATOR:
SHARON HANSON

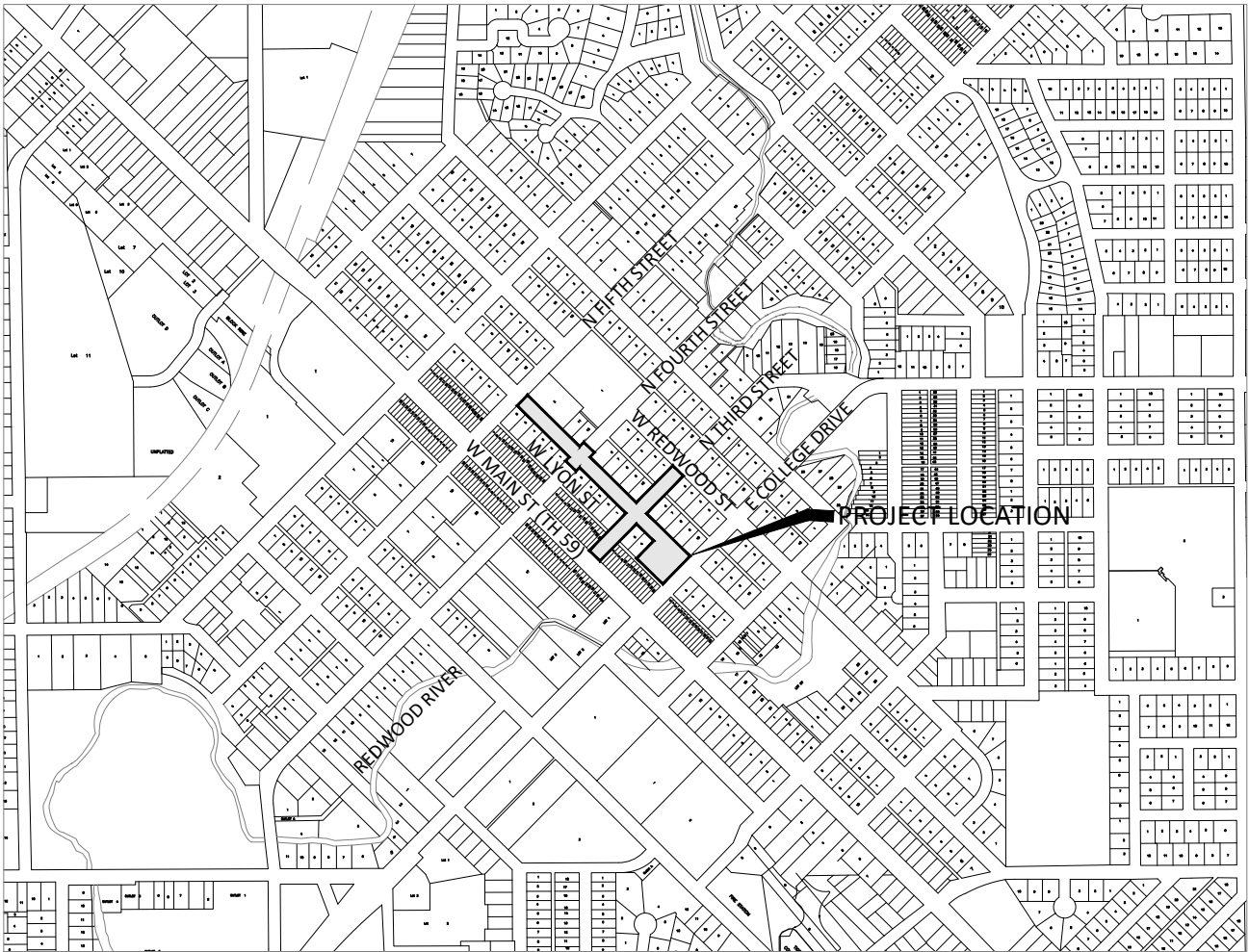
DIRECTOR OF PUBLIC WORKS/CITY ENGINEER
JASON ANDERSON
507-537-6051

WASTEWATER SUPERINTENDENT
SCOTT TRUEDSON

WATER OPERATIONS MANAGER
JEFF LARSON

ELECTRICAL OPERATIONS MANAGER
TONY MEAD

PUBLIC WAYS SUPERINTENDENT
DEAN COUDRON



MAP OF THE
CITY OF MARSHALL
LYON COUNTY, MN

MAP LEGEND

PROJECT LIMITS



SPECIFICATION REFERENCE

THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION
"STANDARD SPECIFICATIONS FOR CONSTRUCTION" AND THE "SUPPLEMENTAL
SPECIFICATIONS" DATED SEPTEMBER 2022 SHALL GOVERN.

ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE
LATEST EDITION OF THE MINNESOTA MANUAL ON UNIFORM
TRAFFIC CONTROL DEVICES, INCLUDING THE LATEST FIELD
MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

THE CITY OF MARSHALL STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

NOTE: EXISTING UTILITY INFORMATION SHOWN ON THIS
PLAN HAS BEEN PROVIDED BY THE UTILITY OWNER. THE
CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS PRIOR
TO COMMENCING CONSTRUCTION AS REQUIRED BY STATE
LAW. NOTIFY GOPHER STATE ONE CALL, 1-800-252-1166 OR
651-454-0002.

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS
UTILITY QUALITY LEVEL D UNLESS OTHERWISE NOTED. THIS
UTILITY LEVEL WAS DETERMINED ACCORDING TO THE
GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD
GUIDELINES FOR THE COLLECTION AND DEPICTION OF
EXISTING SUBSURFACE UTILITY DATA."

SHEET NUMBER	SHEET TITLE
GENERAL	
G0.01 - G0.03	TITLE SHEET, LEGEND, CONSTRUCTION NOTES
G1.01	STATEMENT OF ESTIMATED QUANTITIES
CIVIL	
C0.01 - C0.02	EXISTING CONDITIONS
C0.03 - C0.04	REMOVALS
C1.01 - C1.02	TABLES
C1.03 - C1.10	TYPICAL SECTIONS AND DETAILS
C1.11 - C1.15	STANDARD PLANS - PEDESTRIAN RAMP DETAILS
C1.16 - C1.19	STANDARD PLANS - DRIVEWAY AND SIDEWALK DETAILS
C2.01 - C2.04	SWPPP AND EROSION CONTROL PLAN
C3.01	ADDISON PARKING LOT
C4.01 - C4.03	SANITARY & WATERMAIN PLAN & PROFILE
C5.01 - C5.04	STORM SEWER PLAN & PROFILE
C6.01 - C6.13	STREET PLAN & PROFILE, INTERSECTION DETAILS, JOINTING PLAN
C7.01 - C7.07	TRAFFIC CONTROL PLAN, STREET SIGNAGE, PAVEMENT MARKINGS
C8.01 - C8.05	SIGNAL REVISION PLAN
C9.01 - C9.08	CROSS SECTIONS
L1.01 - L3.04	STREETSCAPE PLAN
E1.01 - E2.02	ELECTRICAL, CONDUIT & FOOTING PLAN

REVIEWED & APPROVED _____ DATE: _____
MARSHALL MUNICIPAL UTILITIES

REVIEWED & APPROVED _____ DATE: _____
CITY ENGINEER

RECORD DRAWING
INFORMATION

OBSERVER:
CONTRACTOR:
DATE:

PROJECT DATUM: LYON COUNTY
HORIZONTAL: NAD 83
VERTICAL: NAVD 88

CITY OF MARSHALL, MINNESOTA
2023 N 3RD ST - W LYON ST IMPROVEMENTS

TITLE SHEET

SHEET

Page 8



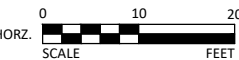
1960 PREMIER DRIVE
MANKATO, MINNESOTA 56001
Phone: (507) 625-4171
Email: Mankato@bolton-menk.com
www.bolton-menk.com



DESIGNED	NO.	ISSUED FOR	DATE
DRAWN			
CHECKED			
CLIENT PROJ. NO.			
0W1.127006			

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.			
JOSHUA G. STIER			
UIC. NO. 54171	DATE 02/09/2023		

Item 2.



REVIEW PLAN
SAMUEL J. KESSEL
LIC. NO. 50677 DATE XX/XX/2023

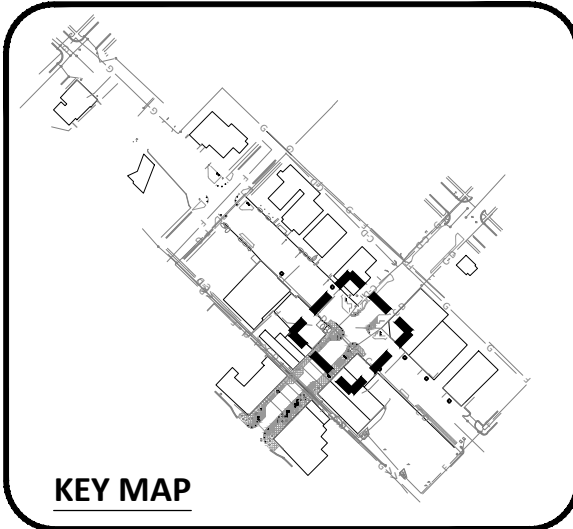
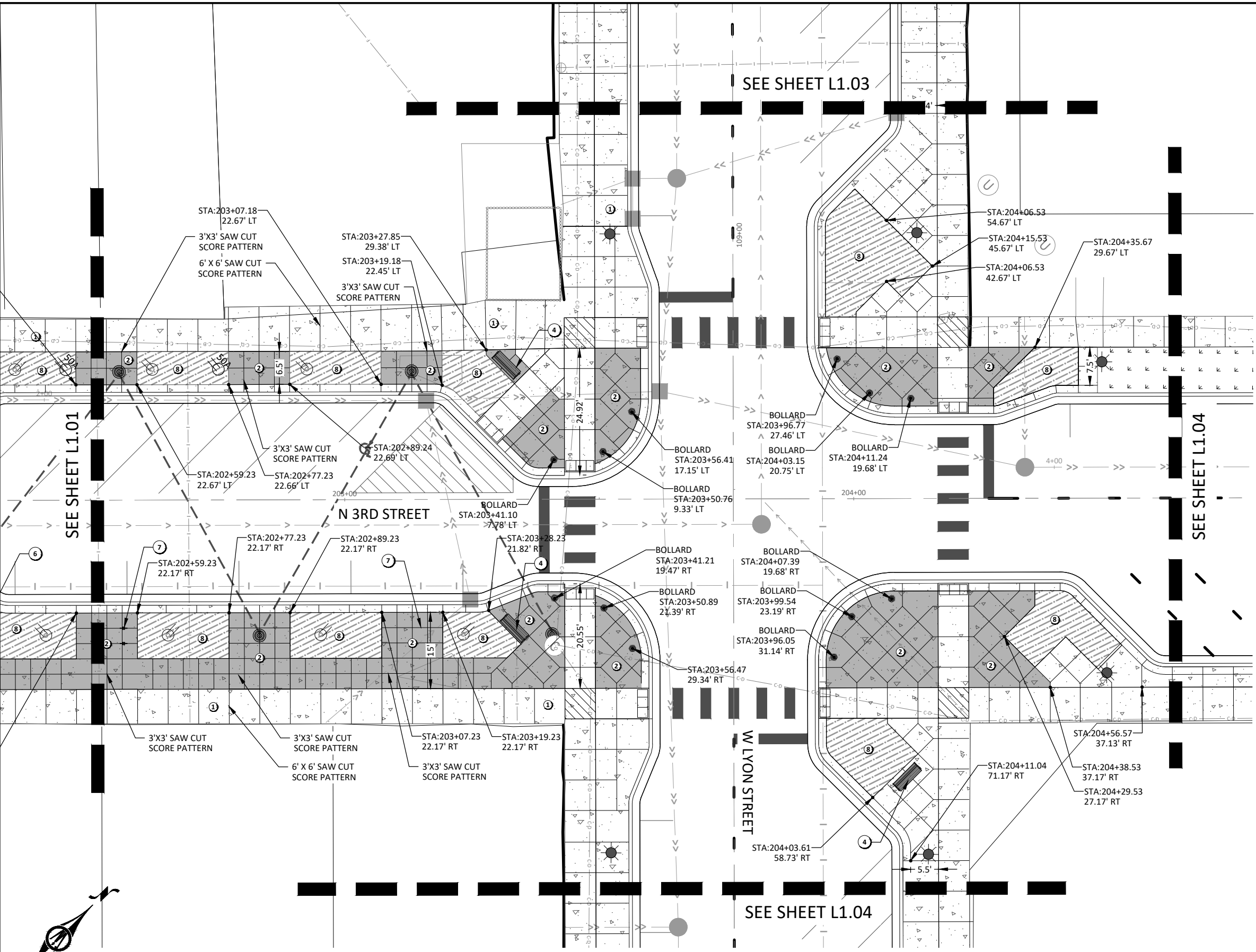


1960 PREMIER DRIVE
MANKATO, MINNESOTA 56001
Phone: (507) 625-4171
Email: Mankato@bolton-menk.com
www.bolton-menk.com



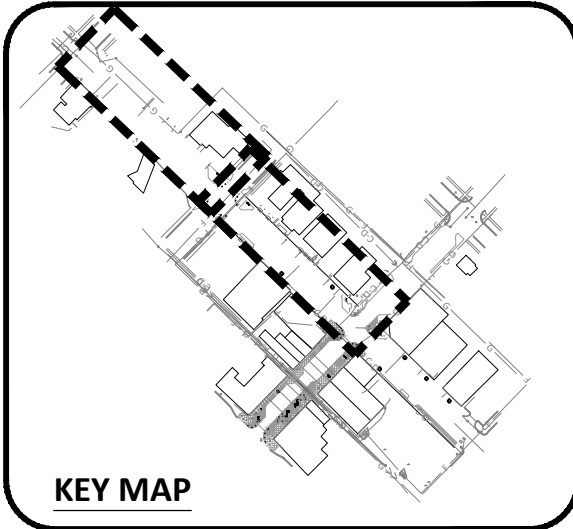
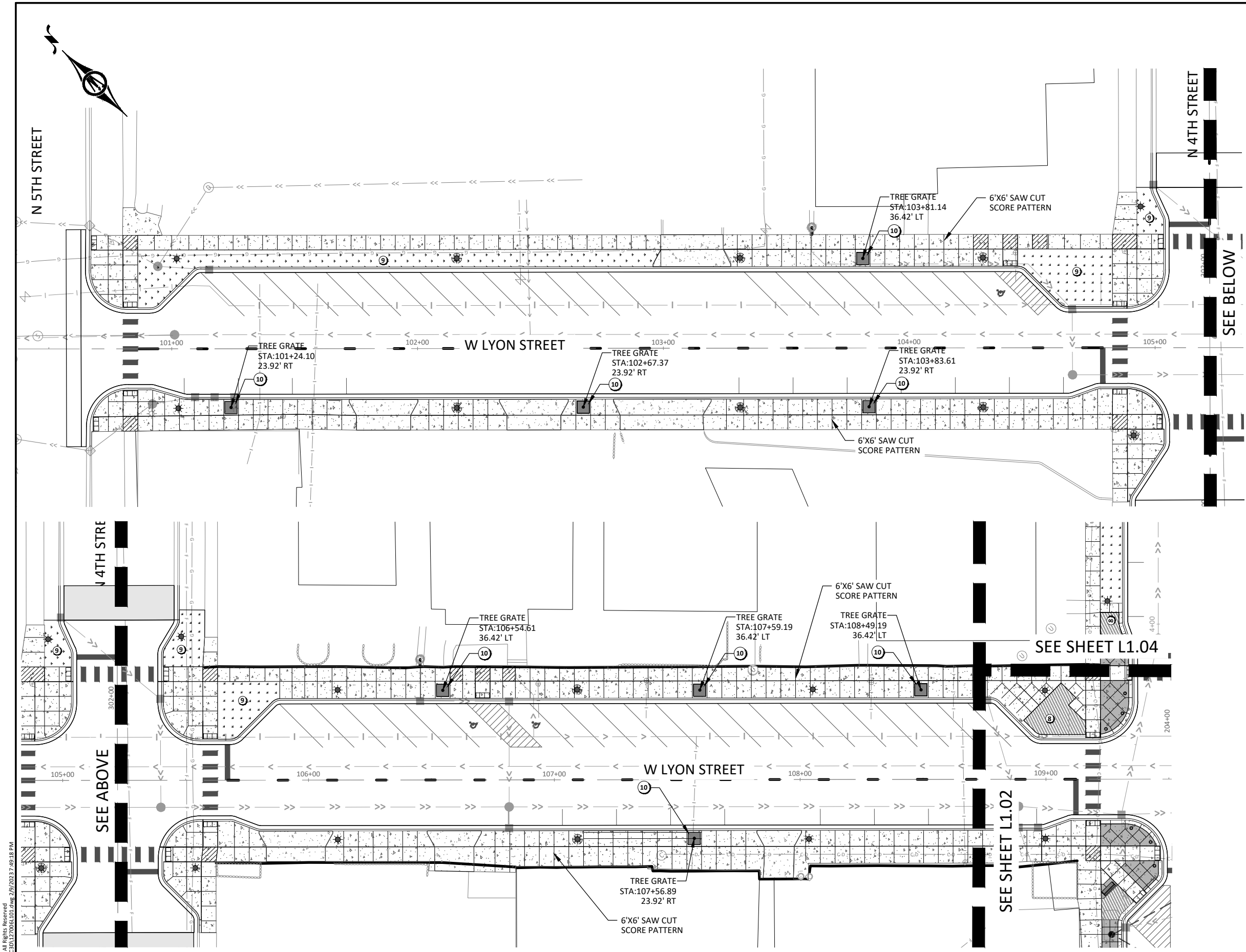
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CLIENT PROJ. NO.	OW1.127006			

CITY OF MARSHALL, MINNESOTA
2023 N 3RD ST - W LYON ST IMPROVEMENTS
PLAN SHEETS
STREETSCAPE LAYOUT PLAN



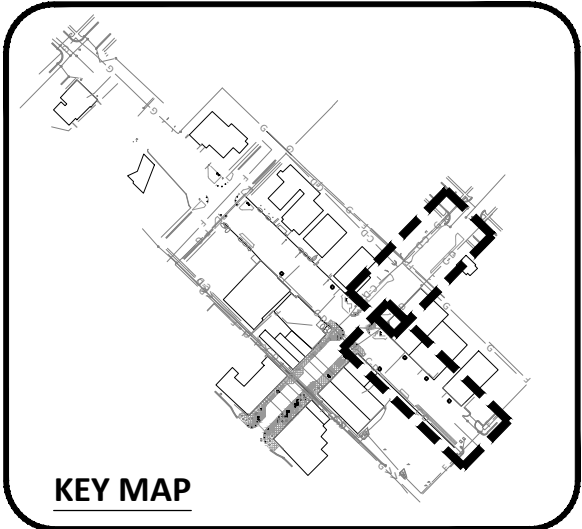
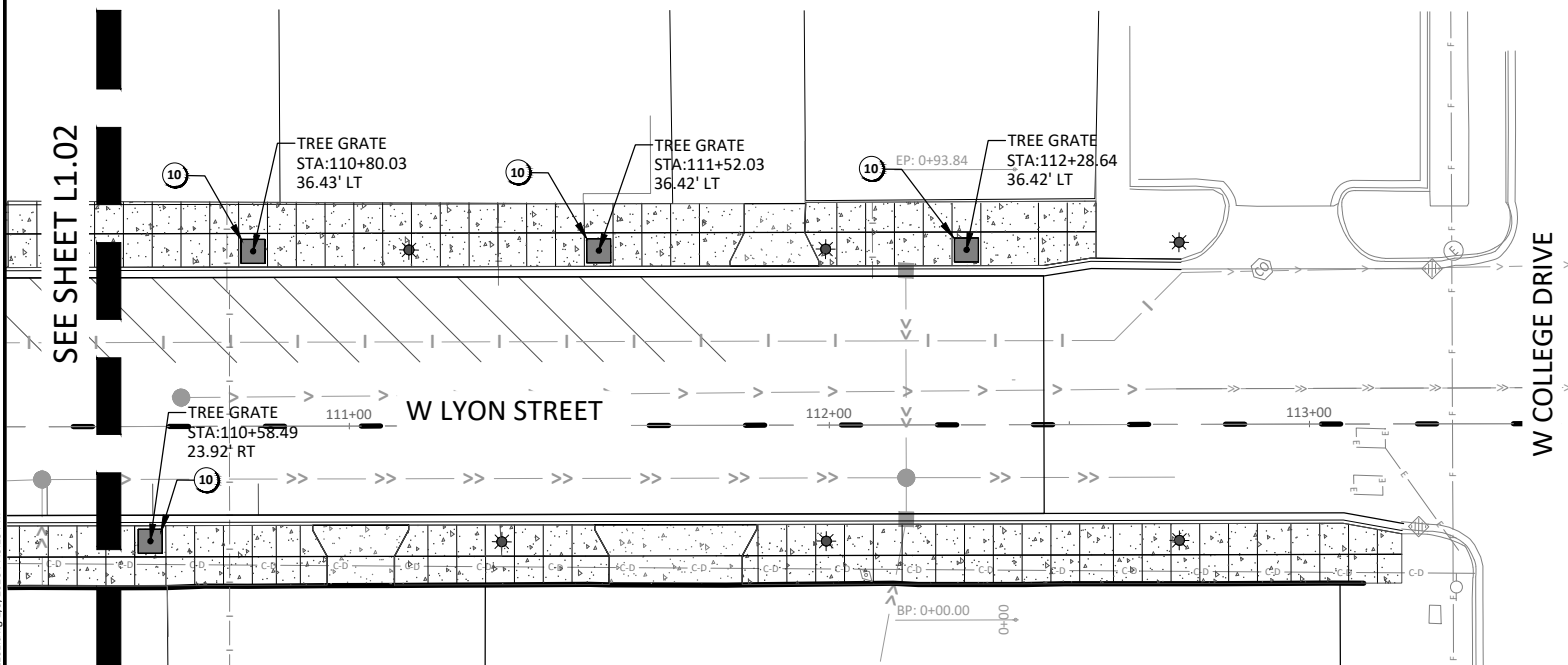
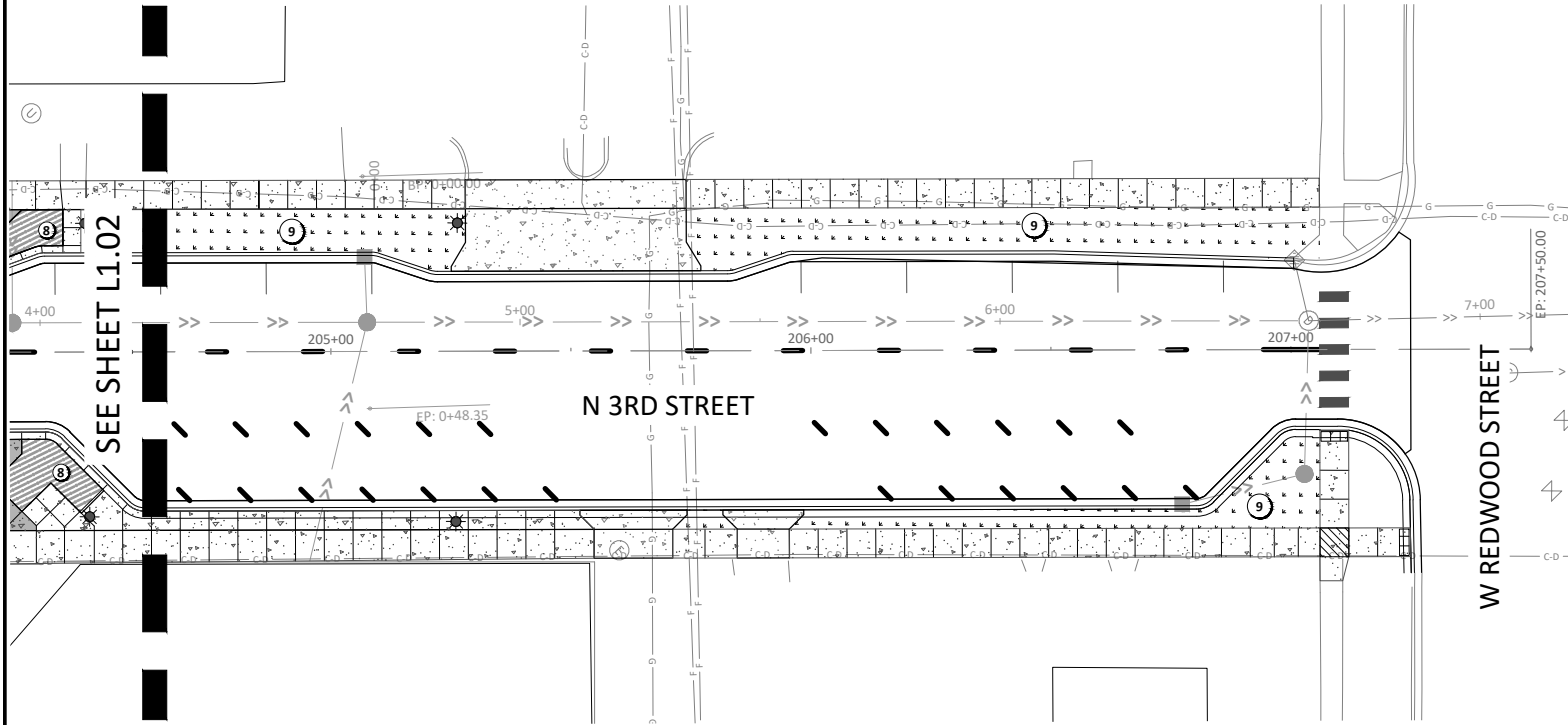
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- ① STANDARD CONCRETE WALK, REFER TO PLAN AND PROFILE SHEETS)
 - ② CONCRETE WALK SPECIAL 1, REFER TO L3.02
 - ③ CONCRETE WALK SPECIAL 2 - DARK GREY, SANDBLASTING & STAINING, REFER TO L3.02
 - ④ BENCH TYPE 1, REFER TO L3.03
 - ⑤ BENCH TYPE 2, REFER TO L3.03, NOT IN CONTRACT
 - ⑥ WASTE AND RECYCLING RECEPTACLE, REFER TO L3.03
 - ⑦ BIKE RACK, REFER TO L3.03
 - ⑧ LANDSCAPE BED, REFER TO L2.00 SHEET SERIES
 - ⑨ HYDROSEED TURF
 - ⑩ TREE GRATE, REFER TO L3.01

- ELECTRICAL ITEMS LEGEND REFER TO ELECTRICAL SHEETS**
- LIGHT UNIT TYPE A FOOTING, POLE AND FIXTURE BY OTHERS
 - LIGHT UNIT TYPE B FOOTING, POLE AND FIXTURE BY OTHERS
 - LIGHT UNIT TYPE EE - FESTOON CABLE LIGHTS, BY OTHERS
 - GFCI - DULEX PEDESTAL
 - 50 AMP UNMETERED EVENT POWER PEDESTAL
 - 20 AMP UNMETERED EVENT POWER PEDESTAL
 - LIGHT UNIT TYPE C FOOTING, BOLLARD BY OTHERS



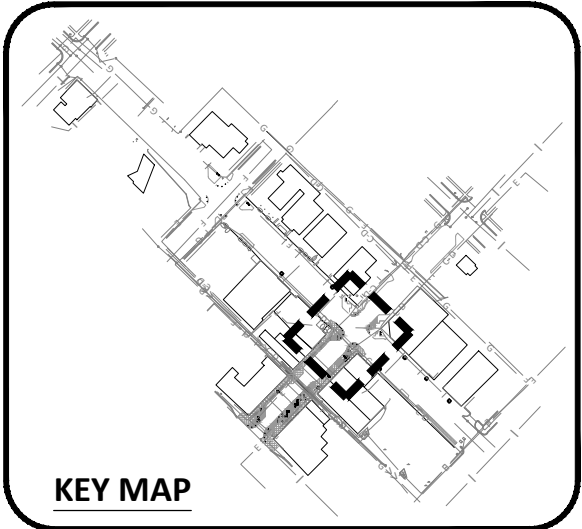
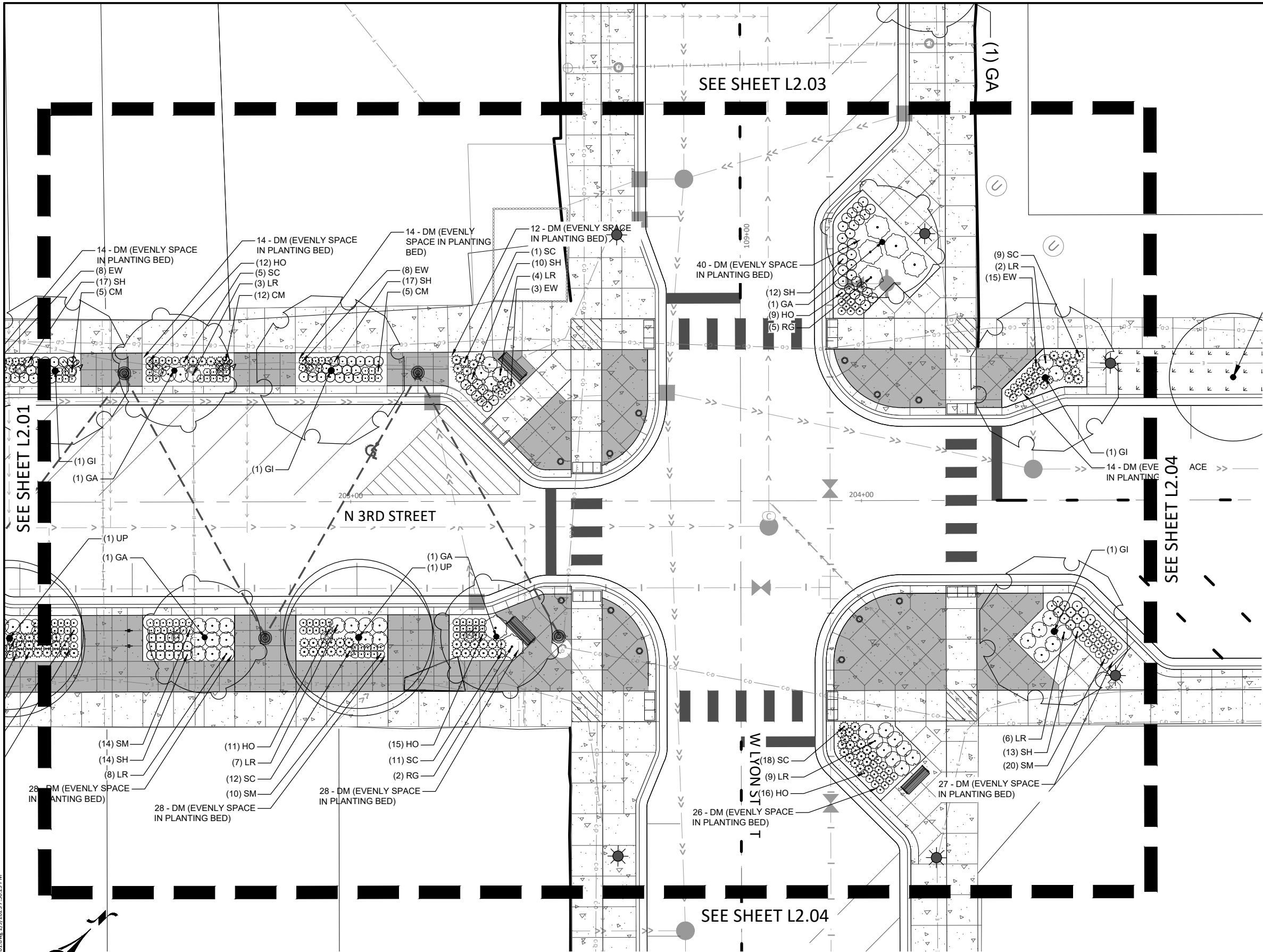
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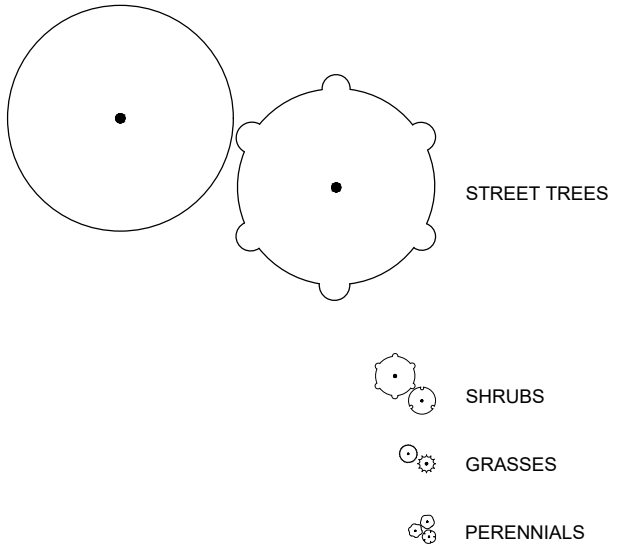


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 - 20 AMP UNMETERED EVENT POWER PEDESTAL
 - LIGHT UNIT TYPE C FOOTING, BOLLARD BY OTHERS



LEGEND:



Item 2.



I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

REVIEW PLAN

SAMUEL J. KESSEL
LIC. NO. 50677 DATE XX/XX/2023

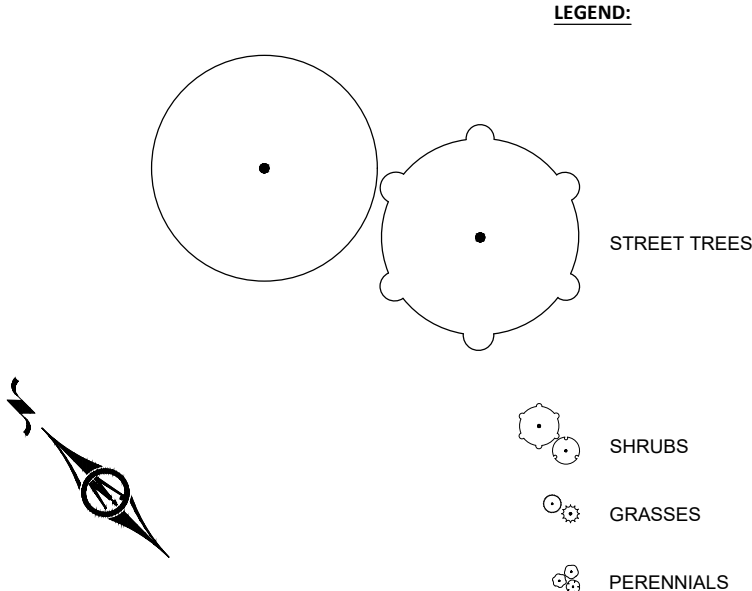
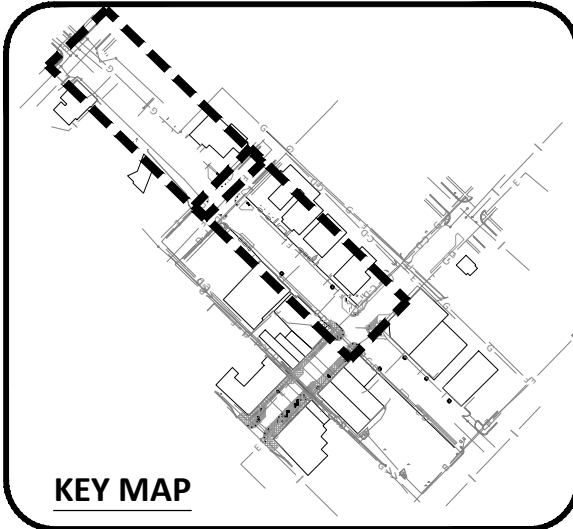
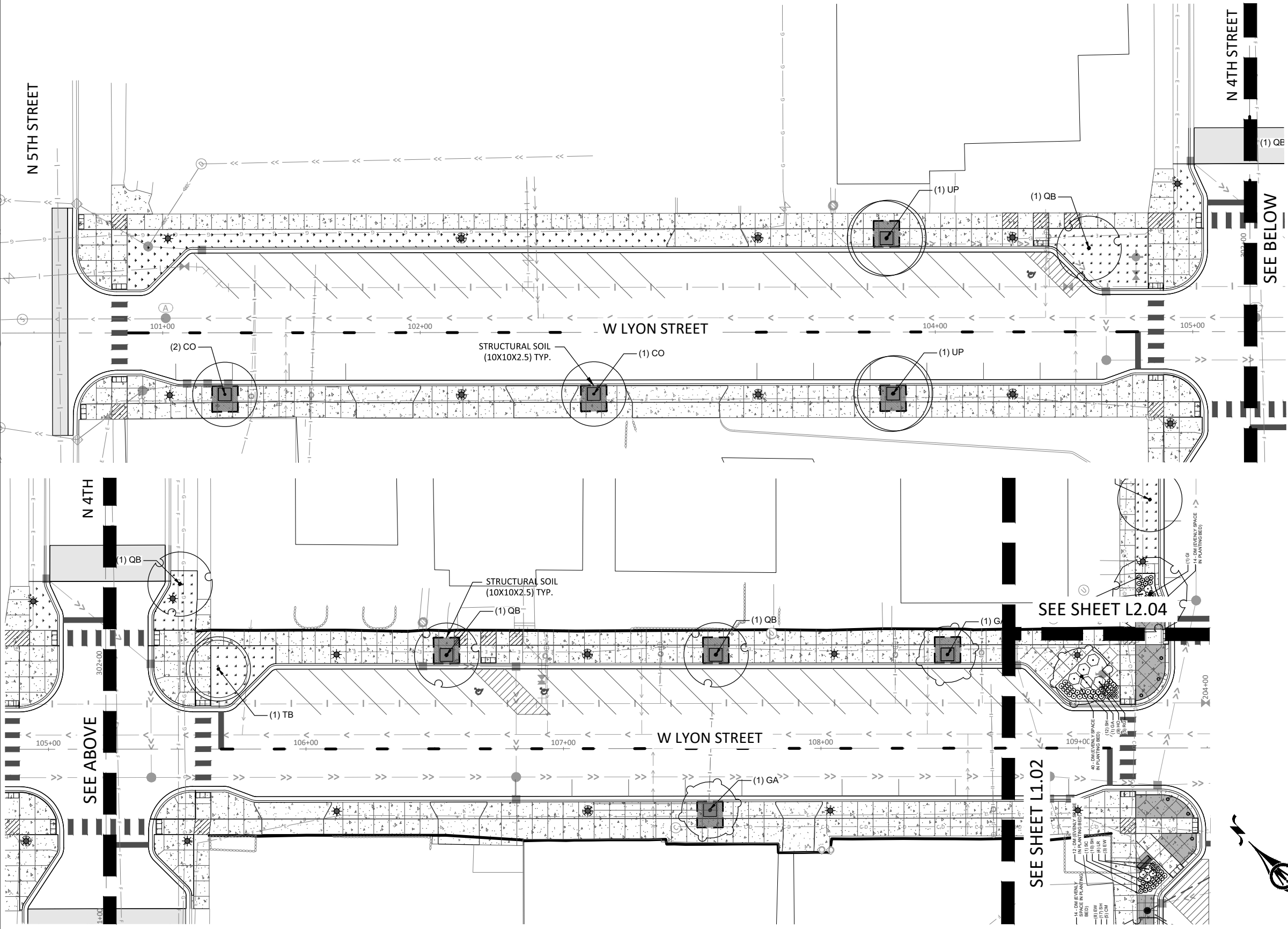


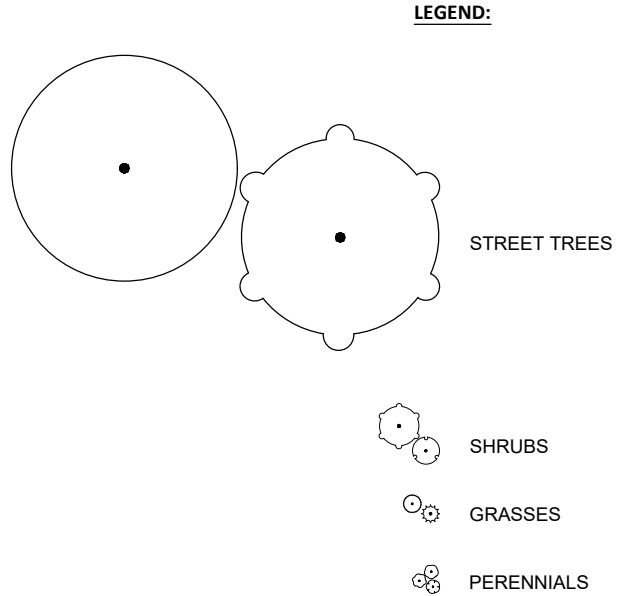
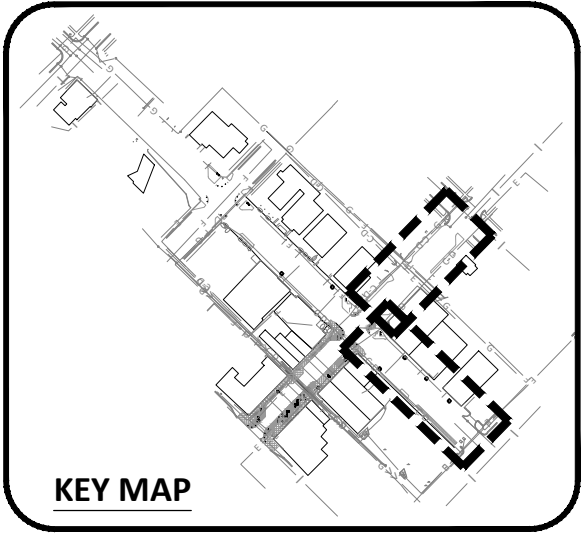
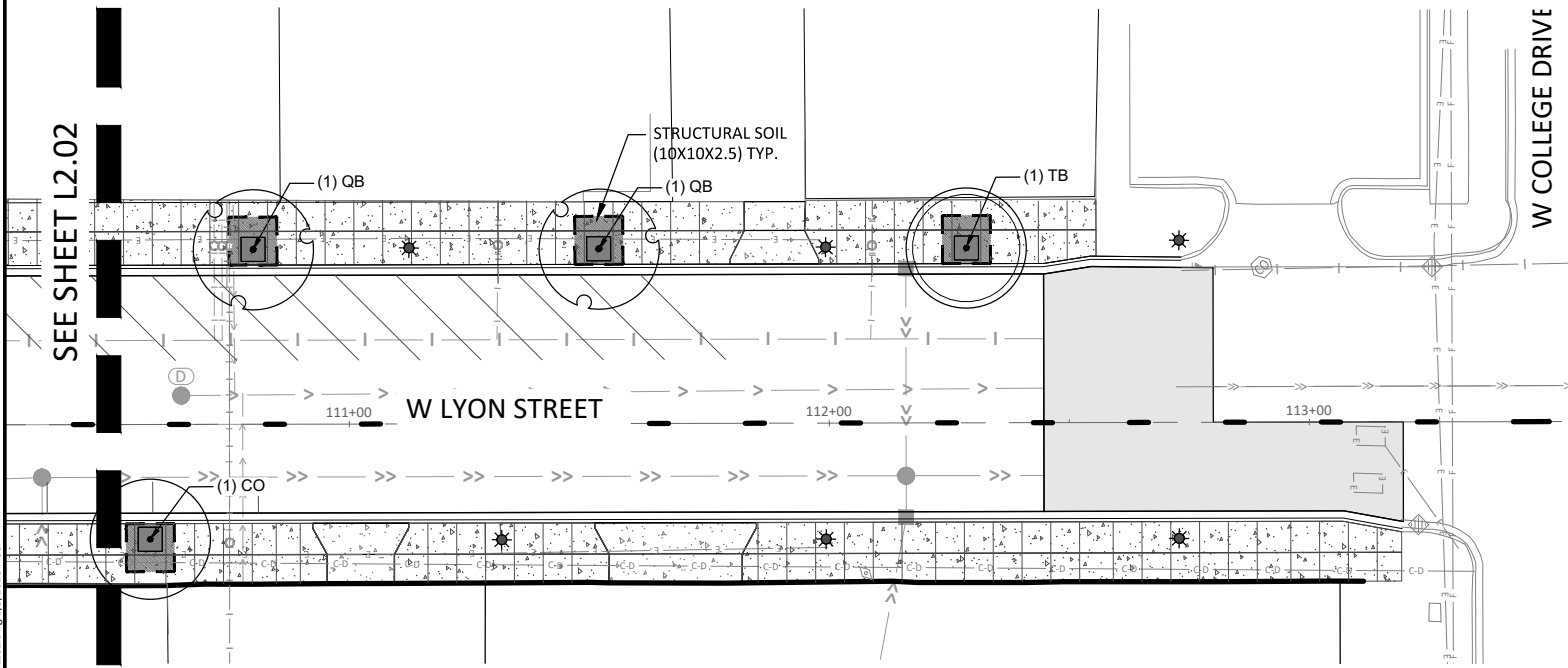
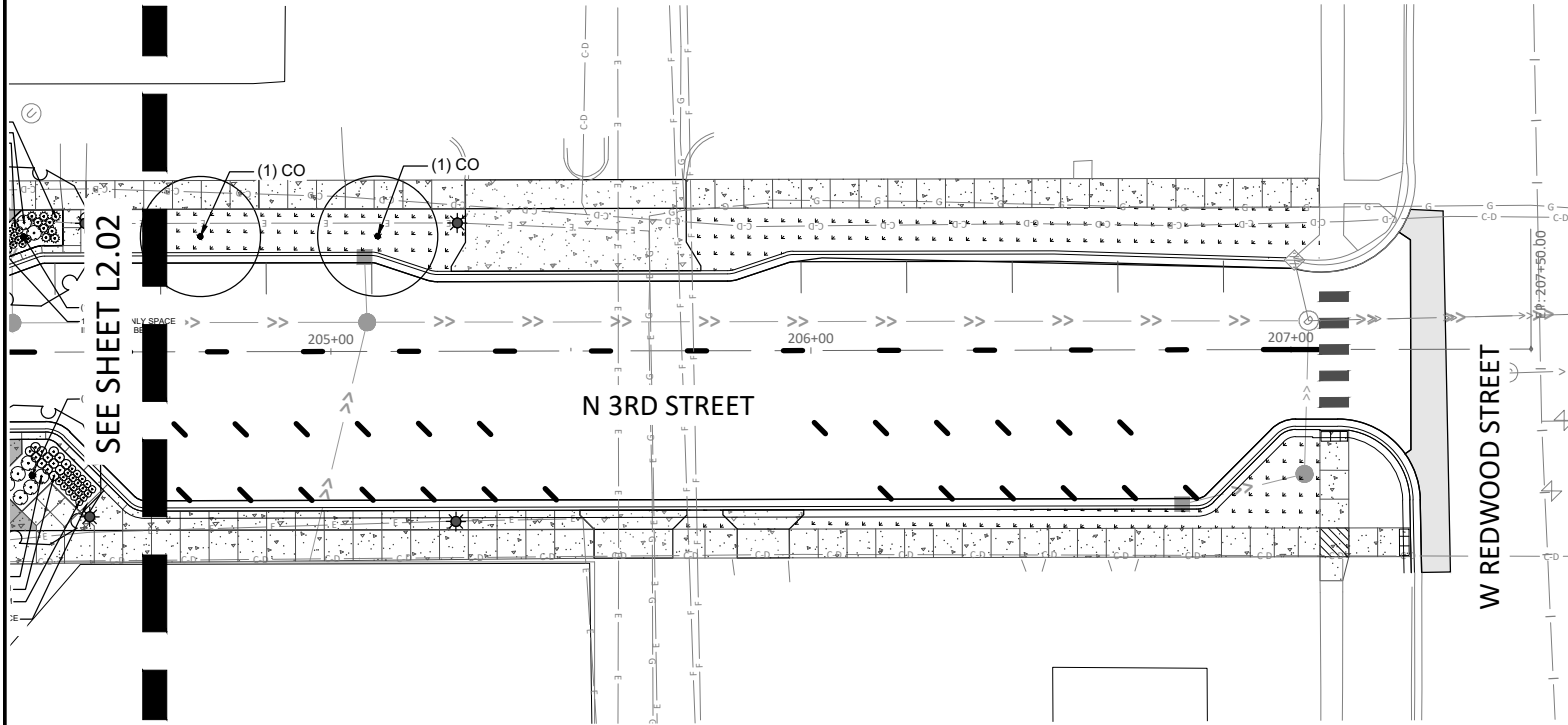
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www.bolton-menk.com

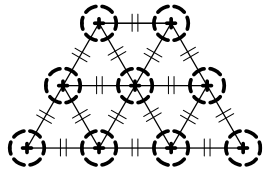


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DRAWN	CCC			
CHECKED	SJM			
CLIENT PROJ. NO.	OW1.127006			

CITY OF MARSHALL, MINNESOTA
2023 N 3RD ST - W LYON ST IMPROVEMENTS
LANDSCAPE PLANS
LANDSCAPE PLAN



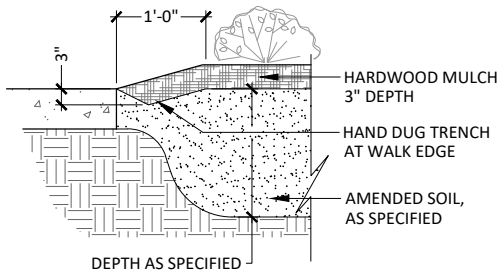




- NOTES:
- O.C. TRIANGULAR PLANT SPACING PER PLANS
 - AREAS IDENTIFIED ON PLANTING PLAN AS O.C. SHALL BE TRIANGULAR SPACED
 - SEE PLANTING PLAN/SCHEDULE FOR SPECIES

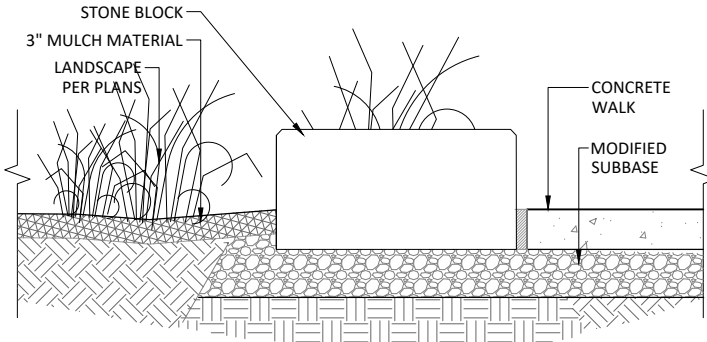
1 PERENNIAL PLANT SPACING

SCALE: N.T.S.



2 PLANTING EDGE AT HARDSCAPE SURFACE

SCALE: N.T.S.



BOULDER GENERAL NOTES

- SEE PLAN FOR LOCATIONS. FIELD VERIFY LOCATION BY OWNER'S REPRESENTATIVE.
- 2'X2'X4' STONE BLOCK
- STONE BLOCK, COLOR TO VARY - CONTRACTOR TO SUBMIT STONE TYPE AND COLOR FOR APPROVAL

CONTACT: TODD OLSON
800.328.5040
tolson@coldspringusa.com

3 DECORATIVE BOULDER SETTING DETAIL

SCALE: N.T.S.

PLANT SCHEDULE

OVERSTORY TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER
CO	5	CELTIS OCCIDENTALIS	COMMON HACKBERRY	2.5" CAL.	B&B
GA	7	GINKGO BILOBA 'AUTUMN GOLD'	AUTUMN GOLD MAIDENHAIR TREE	2.5" CAL.	B&B
GI	6	GLEDITSIA TRIACANTHOS INERMIS 'SKYCOLE'	SKYLINE® HONEY LOCUST	2.5" CAL.	B&B
QB	6	QUERCUS BICOLOR	SWAMP WHITE OAK	2.5" CAL.	B&B
TB	2	TILIA AMERICANA 'BOULEVARD'	BOULEVARD AMERICAN LINDEN	2.5" CAL.	B&B
UP	6	ULMUS AMERICANA 'PRINCETON'	PRINCETON AMERICAN ELM	2.5" CAL.	B&B

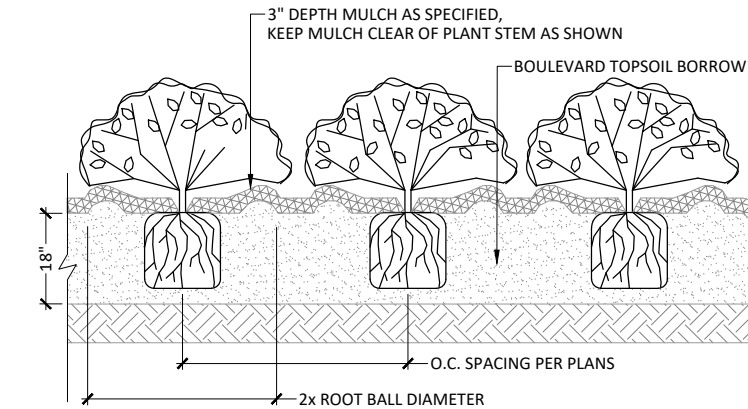
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPREAD
LR	75	DIERVILLA X 'G2X88544'	KODIAK® ORANGE DIERVILLA	#5 CONT.	36" O.C.
RG	7	RHUS AROMATICA 'GRO-LOW'	GRO-LOW FRAGRANT SUMAC	#5 CONT.	60" O.C.

BULBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPREAD
ND	210	NARCISSUS X 'DUTCH MASTER'	DUTCH MASTER DAFFODIL	1 GAL.	1.5'-2'

PERENNIALS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPREAD
CM	42	COREOPSIS X 'MOONBEAM'	MOONBEAM TICKSEED	#1 CONT.	18" O.C.
EW	47	ECHINACEA PURPUREA 'PAS702917'	POWWOW® WILD BERRY CONEFLOWER	#1 CONT.	18" O.C.
HO	114	HEMEROCALLIS X 'STELLA DE ORO'	STELLA DE ORO DAYLILY	#1 CONT.	18" O.C.
SC	115	SCHIZACHYRIUM SCOPARIUM 'CAROUSEL'	CAROUSEL LITTLE BLUESTEM	#1 CONT.	24" O.C.
SM	82	SEDUM X 'MR. GOODBUD'	MR. GOODBUD STONECROP	#1 CONT.	18" O.C.
SH	158	SPOROBOLUS HETEROLEPIS	PRAIRIE DROPSEED	#1 CONT.	24" O.C.

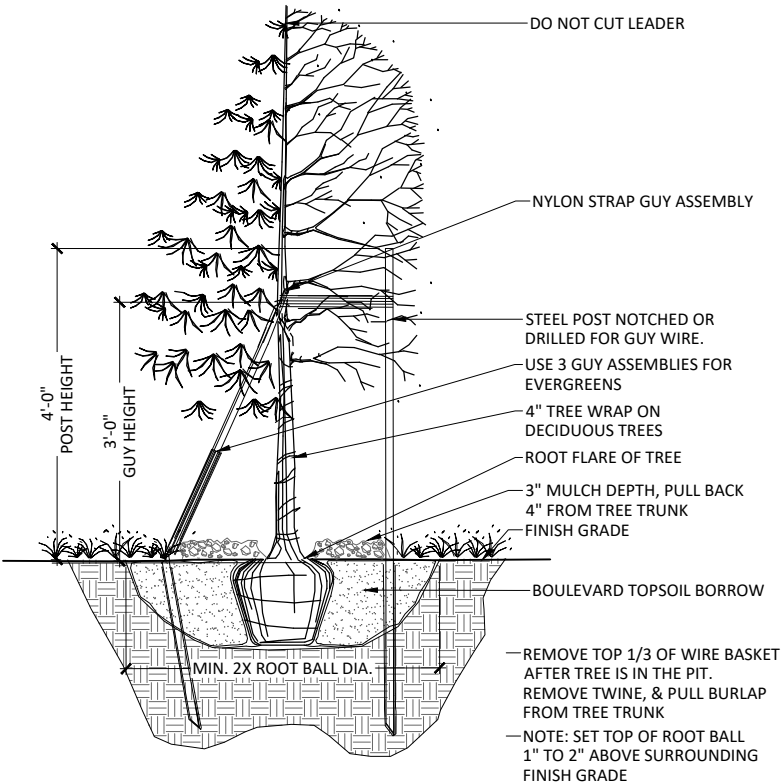
GENERAL NOTES:

- MASTER PLANT SCHEDULE: ALL PLANT MATERIALS ARE LISTED IN THE MASTER PLANT SCHEDULE. IF THERE IS A CONFLICT BETWEEN THE QUANTITIES SHOWN ON THE DRAWING AND THE QUANTITIES SHOWN IN THE PLANT SCHEDULE, THE PLAN QUANTITIES SHALL PREVAIL.
- ALL DISTURBED AREAS SHALL RECEIVE SOD PER EROSION AND SEDIMENT CONTROL PLANS.
- CONTRACTOR TO PRESERVE AND PROTECT EXISTING TREES AND SHRUBS, UNLESS OTHERWISE NOTED. ANY PLANT MATERIAL DAMAGED DUE TO CONTRACTOR NEGLIGENCE SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.



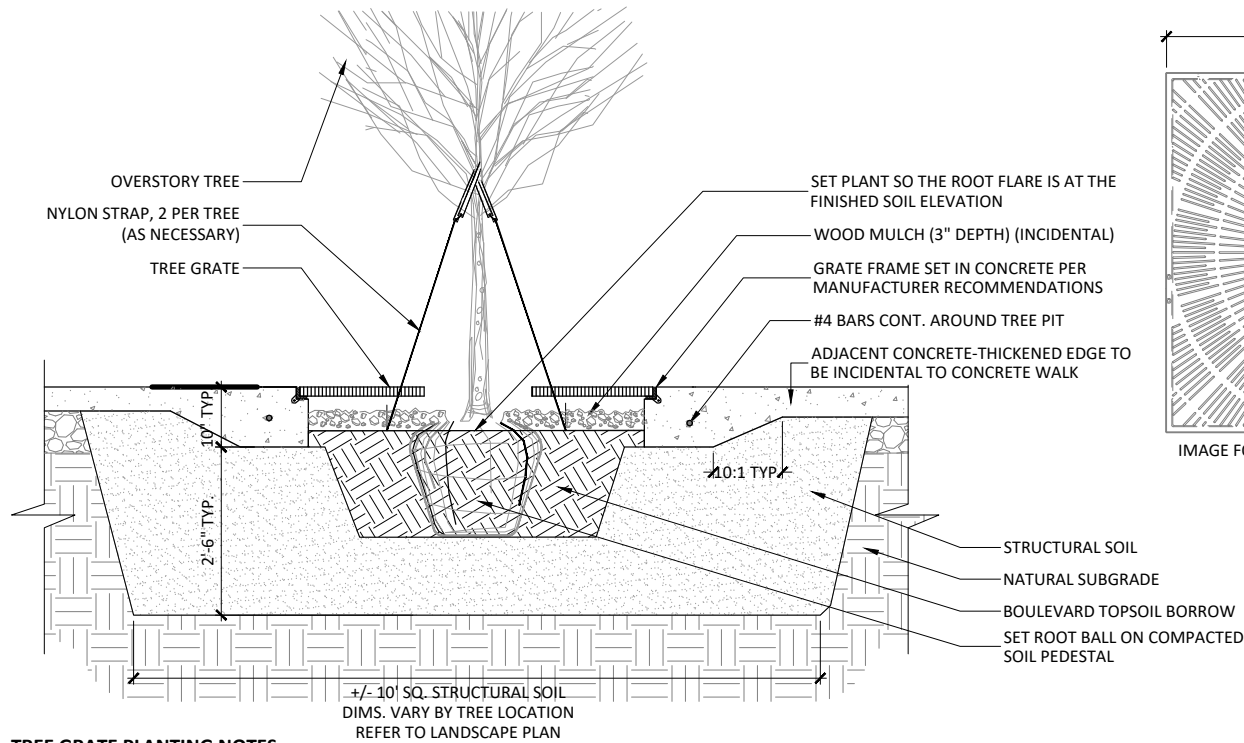
4 PERENNIAL / SHRUB PLANTING

SCALE: N.T.S.



5 TREE PLANTING

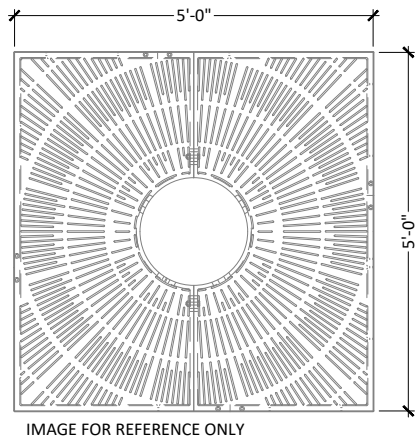
SCALE: N.T.S.



TREE GRATE PLANTING NOTES:

- TREE GRATE - NEENAH METROPOLITAN COLLECTION R-8707 TREE GRATE AND FRAME OR APPROVED (5'X5') EQUAL
 - CAST IRON / NATURAL FINISH
 - NO OPENINGS GREATER THAN 1/4"
- REFER TO MANUFACTURERS SPECIFICATIONS FOR INSTALLATION DETAILS
- CONTRACTOR TO USE CONCRETE EMBEDDED "L" FRAME ON ALL SIDES OF GRATE ADJACENT TO CONCRETE. SECURE PER MANUFACTURER RECOMMENDATIONS
- EACH NEW TREE PIT SHALL CONTAIN APPROXIMATELY 10 CY OF STRUCTURAL SOIL (10'X10'X2.5' DEEP)
- TREE PLANTINGS WHERE THE TREE PIT IS OPEN, BLVD. TOPSOIL SHOULD BE PLACED AROUND THE TREE BALL AND ALL OPEN PLANTING AREA. STRUCTURAL SOIL SHOULD BE PLACED UNDER THE BALL TO PREVENT TREE BALL SUBSIDENCE.

6 TYPICAL SECTION: TREE GRATE & STRUCTURAL SOIL



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CITY OF MARSHALL, MINNESOTA

2023 N 3RD ST - W LYON ST IMPROVEMENTS

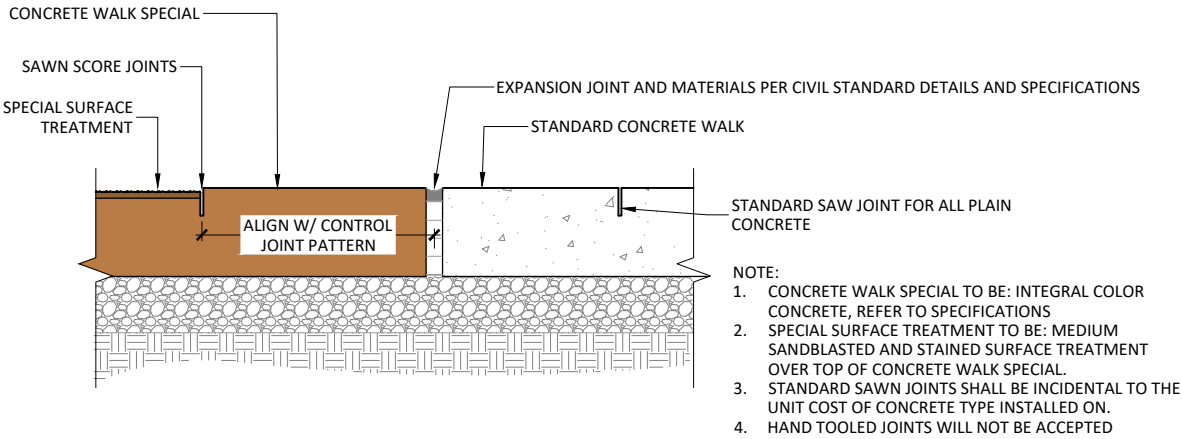
LANDSCAPE DETAILS
PLANTING DETAILS

SHEET

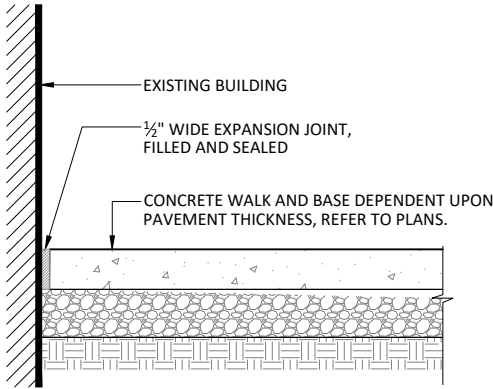
Page 17

REVIEW PLAN

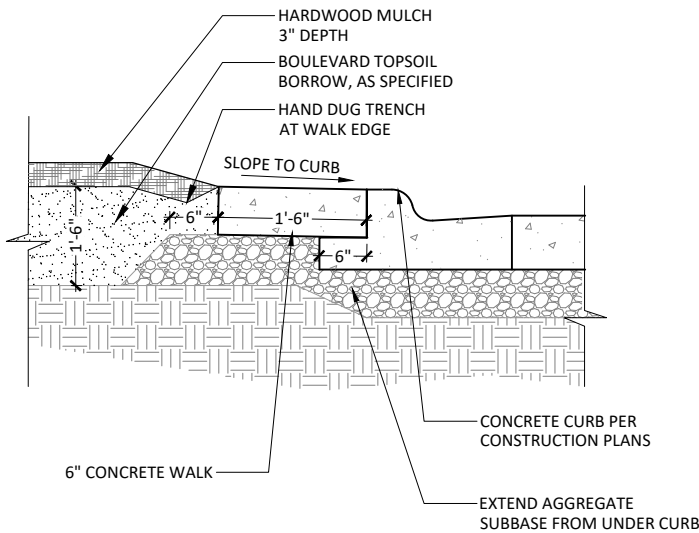
Item 2.



1 TYPICAL SECTION: CONCRETE SIDEWALK TYPES AND JOINTS



2 CONCRETE SIDEWALK AT BUILDING



3 TYPICAL SECTION: LANDSCAPE BED
SCALE: N.T.S.

Item 2.

REVIEW PLAN

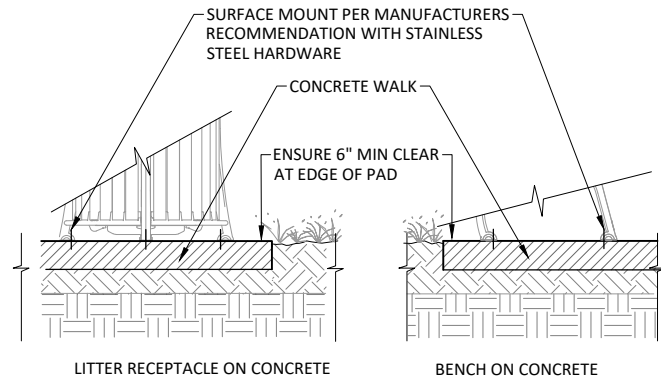


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CITY OF MARSHALL, MINNESOTA
2023 N 3RD ST - W LYON ST IMPROVEMENTS
LANDSCAPE DETAILS
SITE FURNISHING DETAILS



- NOTES:
1. REFER TO SPECS FOR MODEL AND MANUFACTURERS
 2. FIELD VERIFY LOCATION BY LANDSCAPE ARCHITECT
 3. SHIM TO LEVEL SITE FURNISHINGS

1 TYPICAL SECTION: SURFACE MOUNT FURNISHINGS



BIKE RACK:

1. MANUFACTURER - VICTOR STANLEY
2. MODEL - BRHS-101, CYCLE SENTRY
3. FINISH - POWDERCOAT, BLACK
4. SURFACE MOUNT

OR APPROVED EQUAL

INSTALLATION ONLY, FURNISHING TO BE PROVIDED BY OTHERS.

CONTACT: BECKY MCNAMARA
301.855.8300 x. 375
beckym@victorystanley.com

BENCH TYPE 1:

1. MANUFACTURER - VICTOR STANLEY
2. MODEL - FM-324, FRAMERS MODERN COLLECTION, 6' LENGTH
3. FINISH - POWDERCOAT, BLACK
4. SURFACE MOUNT
5. WOOD: IPE

OR APPROVED EQUAL

INSTALLATION ONLY, FURNISHING TO BE PROVIDED BY OTHERS.

TRASH RECEPTACLE:

1. MANUFACTURER - VICTOR STANLEY
2. MODEL - SDC-36, STEEL SITES SERIES, 36 GALLON, SIDE DOOR OPENING
3. STANDARD LINER
4. SURFACE MOUNT

OR APPROVED EQUAL

INSTALLATION ONLY, FURNISHING TO BE PROVIDED BY OTHERS.

RECYCLING CONTAINER:

1. MANUFACTURER - VICTOR STANLEY
2. MODEL - SDC-36, STEEL SITES SERIES, 36 GALLON, SIDE DOOR OPENING
3. STANDARD LINER
4. RAISED BAND AND DECALS
5. SIDE DEPOSIT
6. SURFACE MOUNT

OR APPROVED EQUAL

INSTALLATION ONLY, FURNISHING TO BE PROVIDED BY OTHERS.



RIGHT 45	DEPTH	LENGTH	HEIGHT	LEFT 45	DEPTH	LENGTH	HEIGHT
	18"	77"	18"		18"	77"	18"

BENCH TYPE 2 (A):

- 1.
- 2.
- 3.

BENCH TYPE 2 (B):

- 1.
- 2.
- 3.

NOT IN CONTRACT

OR APPROVED EQUAL

PRODUCT & INSTALLATION BY OTHERS.

OR APPROVED EQUAL

PRODUCT & INSTALLATION BY OTHERS.

STRAIGHT W/ LEFT 45	DEPTH	LENGTH	HEIGHT
	18"	67"	18"

BENCH TYPE 2 (C):

1. MANUFACTURER: LANDSCAPE FORMS
2. MODEL: PARALLEL 42, STRAIGHT
3. WOOD: IPE

OR APPROVED EQUAL

PRODUCT & INSTALLATION BY OTHERS.

CONTACT:

STACY ERNST
816-444-4376
sitesource@landscapeforms.com

2 SITE FURNISHINGS

NOTE: FOR PRODUCT REFERENCE ONLY, CONTRACTOR TO INSTALL ONLY, OWNER TO PROVIDE PRODUCT FOR INSTALLATION

REVIEW PLAN



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CITY OF MARSHALL, MINNESOTA
2023 N 3RD ST - W LYON ST IMPROVEMENTS
LANDSCAPE DETAILS
SITE FURNISHING DETAILS

SHEET

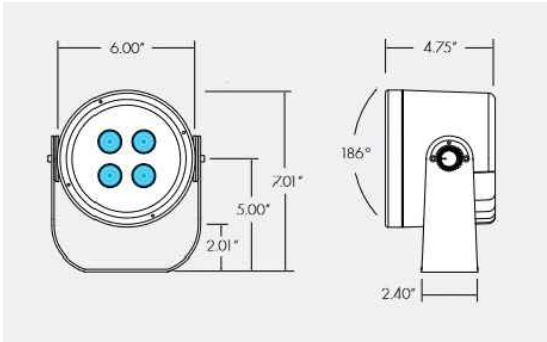
Page 19

Item 2.

MANUFACTURER'S NOTES:

LIGHT COLUMN: OPEN PILLAR, 600 CM HEIGHT, POWDER-COAT
MANUFACTURER: STREETLIFE
MODEL NUMBER: OP-PIL-WI-600-PC
COLOR: TO BE SELECTED BY OWNER
CONTACT: SONNO WITJES
switjes@streetlife.com
484 496 8280

LIGHT FIXTURE & CONTROLLER:
LIGHT PRODUCT: PROSPOT 6 COLOR-CHANGING LED
MANUFACTURER: INSIGHT LIGHTING
MODEL NUMBER: PS6-HO-RGB40-Q-20-TR-120 DMXFX-TBL
CONTROLLERS: PHAROS BY INSIGHT LIGHTING
CONTACT: MLAZGAR ASSOCIATES
DARREN STRAFELDA
952-513-7511



LIGHT COLUMN MONUMENT NOTES:

1. MEASUREMENT AND PAYMENT FOR GATEWAY MONUMENT COLUMN WITH LIGHT SHALL INCLUDE ALL SITE PREP, MATERIALS, AND LABOR REQUIRED, INCLUDING BUT NOT LIMITED TO EXCAVATION, CONCRETE FOOTINGS, STEEL STRUCTURE, LIGHT FIXTURE, ELECTRICAL CONNECTIONS DATA CONNECTIONS, METAL WORK, AND ALL ITEMS NECESSARY FOR CONSTRUCTION, FABRICATION, AND INSTALLATION COMPLETE.
2. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF ALL MATERIALS AND CONNECTIONS SIGNED BY CONTRACTOR'S STRUCTURAL ENGINEER IF CUSTOM FABRICATED FOR ALL METAL WORK. ALL MATERIAL SIZING IS FOR AESTHETIC PURPOSES ONLY. CONTRACTOR RESPONSIBLE TO CONFIRM STRUCTURAL SUITABILITY AND FABRICATION FOR ANY CUSTOM FABRICATION. SHOP DRAWINGS SHALL BE SUBMITTED TO ENGINEER FOR REVIEW PRIOR TO BEGINNING OF CONSTRUCTION. CONTRACTOR'S SCHEDULE SHALL ALLOW 15 CALENDAR DAYS FOR ENGINEER'S REVIEW.
3. ALL CONNECTIONS SHALL FOLLOW MANUFACTURER RECOMMENDATION AND SHOP DRAWINGS
4. ALL METAL COMPONENTS SHALL POWDER COATED PER MANUFACTURER'S STANDARDS. COLOR TO BE SELECTED FROM MANUFACTURER'S STANDARD COLORS. CONTRACTOR TO SUBMIT COLOR CHIPS FOR REVIEW AND SELECTION BY THE OWNER.
5. ALL EXPOSED CONCRETE TO BE FINISHED WITH A SLURRY COAT RUBBED SMOOTH TO CREATE A UNIFORM FINISH.

LIGHTING CONTROLLER NOTE:

1. LIGHTING CONTROLLER AND TEMP CONTROLLED CABINET TO BE PAID FOR AS SEPARATE BID ITEM. CONTRACTOR TO COORDINATE LIGHTING CONTROL CABINET AND LOCATION FOR MOUNTING WITH CITY OF MARSHALL AND MMU. CIRCUITRY FOR CONTROLLER AND DMX WIRE TO COMMUNICATE WITH THE LIGHT SHALL BE CONSIDERED AS PART OF THE LIGHTING CONTROLLER BID ITEM.
2. CABINET AND HEATER TO BE...

insight lighting PHAROS SYSTEM OPTIONS

PROJECT: TYPE: CATALOG #: PHAROS

SPECIFICATION

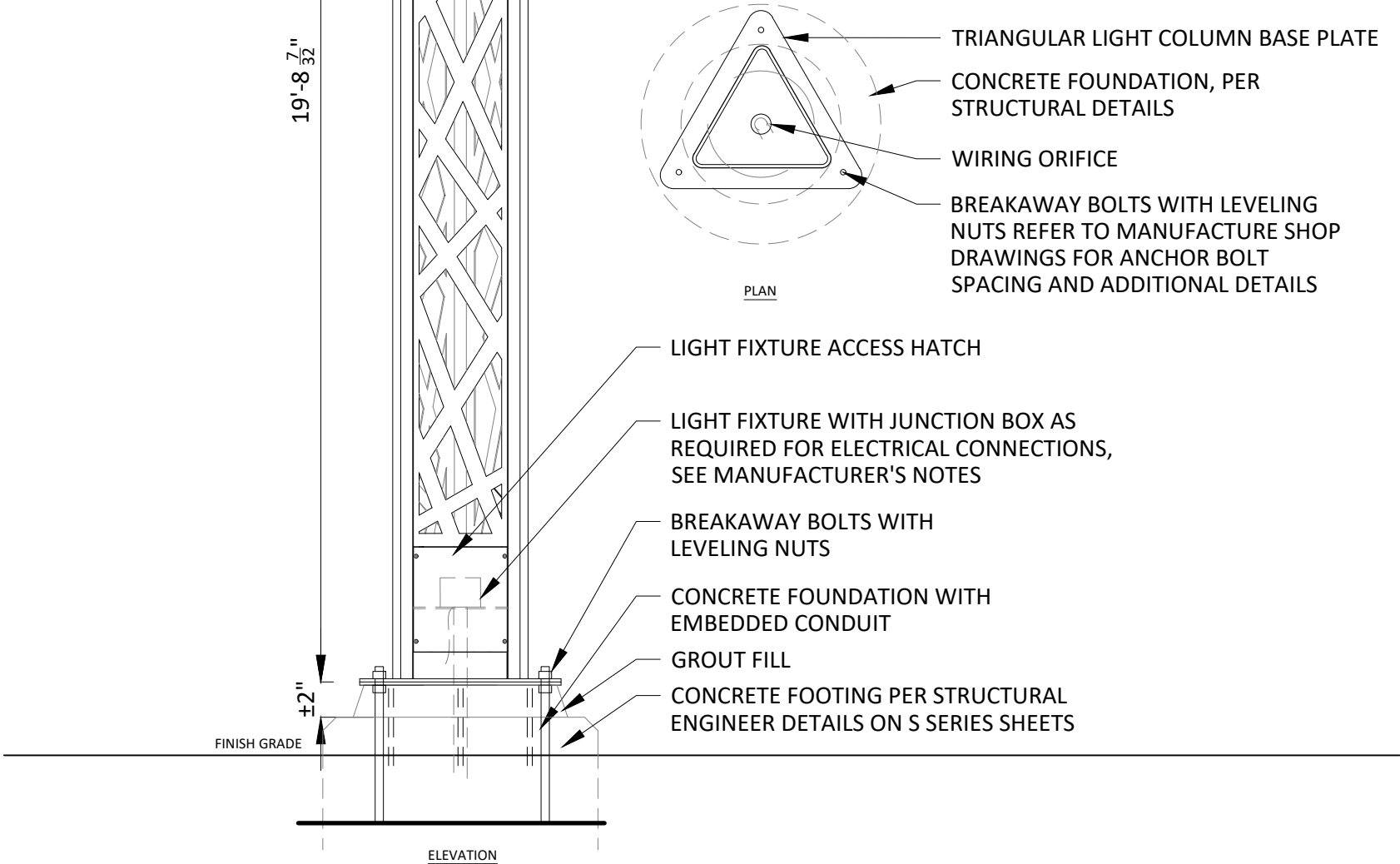
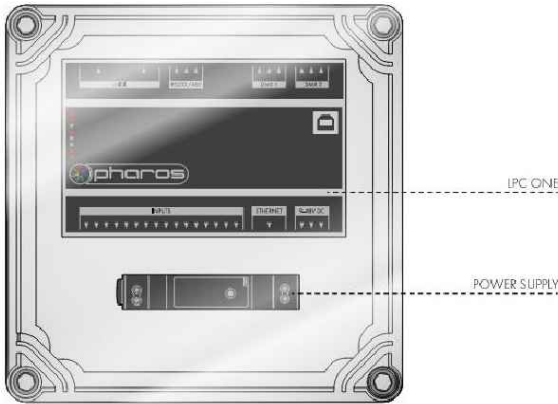
PHAROS

- 1 PRODUCT
- PHAROS PHAROS
- 2 SYSTEM TYPE
- PHAROS ONE P1
IPC ONE AND POWER SUPPLY
- PHAROS ONE + TOUCH P1T
IPC ONE, POWER SUPPLY, TIS AND TCE
- PHAROS TWO + TOUCH P2T
IPC TWO, POWER SUPPLY, TIS AND TCE
- PHAROS FOUR + TOUCH P4T
IPC FOUR, POWER SUPPLY, TIS AND TCE

SYSTEM TYPES

PHAROS ONE (P1)

AT Universe DMX control system perfect for projects that are looking for System Control where all fixtures will be respond the same way. This Pharos One Package (P1) comes pre-assembled in a IP67 enclosure with a 48V Power supply and 2 DMX outputs.



1 GATEWAY MONUMENT COLUMN W/LIGHT
SCALE: NTS

Item 2.

REVIEW PLAN



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CITY OF MARSHALL, MINNESOTA
2023 N 3RD ST - W LYON ST IMPROVEMENTS
LANDSCAPE DETAILS
SITE FURNISHING DETAILS

SHEET

PI/T COMMITTEE – 02/14/2023
AGENDA ITEM REPORT

Presenter:	Jason Anderson
Meeting Date:	Tuesday, February 14, 2023
Category:	NEW BUSINESS
Type:	INFO
Subject:	Project ST-010: Lyon Circle Reconstruction Project.
Background Information:	<p>Lyon Circle has been included in the 2023 CIP for complete reconstruction. The project is proposed to include the complete reconstruction of the road and curb and gutter. The newly constructed road will be narrower than the current circle, a reflection of the very low traffic demand for the dead-end circle. In addition, sanitary sewer will be replaced and the water main in the circle will be extended to the end of the circle and a fire hydrant will be added to the dead end.</p> <p>This item is on the 02/14/2023 City Council agenda for “Resolution Ordering Preparation of Report on Improvement”.</p>
Fiscal Impact:	The project is identified in our 2023 CIP at a total cost of \$178,951. The project will be assessed in accordance with our current special assessment policy.
Alternative/ Variations:	Informational
Recommendations:	Informational

LEGEND

ALIGNMENT STATIONS	
EXISTING GAS LINE	
EXISTING COMMUNICATION LINE	
EXISTING FIBER LINE	
EXISTING UNDERGROUND POWER	
EXISTING STREET LIGHT	
EXISTING CATCH BASIN	
EXISTNG STORM MANHOLE	
EXISTING SANITARY MANHOLE	
EXISTING HYDRANT	
EXISTING WATER VALVE	
NEW CATCH BASIN	
NEW HYDRANT	
NEW WATER VALVE	
NEW SANITARY MANHOLE	
NEW STORM MANHOLE	
BENCHMARK TOP NUT HYDRANT	

SPECIFICATION REFERENCE

THE 2018 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION
"STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.

ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE
LATEST EDITION OF THE MINNESOTA MANUAL ON UNIFORM
TRAFFIC CONTROL DEVICES, INCLUDING THE LATEST FIELD
MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

THE CITY OF MARSHALL STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

PROJECT LENGTH

GROSS LENGTH STREET #1	173	FEET	003	MILES
EXCEPTIONS	0	FEET	0.00	MILES
NET LENGTH	173	FEET	0.03	MILES

DESIGN DATA

DESIGN SPEED 30 MPH

STOPPING SIGHT DISTANCE BASED ON
3.5' HEIGHT OF EYE
0.5' HEIGHT OF OBJECT

SCALES

PLAN	1"=40'
PROFILE	1"=5'
INDEX MAP	1"=100'
GENERAL LAYOUT	1"=20'

State Of Minnesota
City of Marshall, Minnesota
Project Number ST-010

Construction Plans for Sanitary Sewer, Watermain, Storm Sewer,
Grading, Curb and Gutter, Bituminous Surfacing, and Misc. Work for

Lyon Circle
SECTION 10 T111N, R41W



INDEX

SHEET NO.	DESCRIPTION
1	Title Sheet
2	Estimated Quantity Sheet
3	Construction Notes Sheet
4	Typical Section Sheet
5	Construction Detail Sheet
6-7	SWPPP Sheet
8	Removal Sheet
9	Utility Plan & Profile Sheet
10	Surfacing Plan & Profile Sheet

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY
DIRECT SUPERVISION AND THAT I AM A DULY LICENSE PROFESSIONAL
ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

APPROVED: CITY ENGINEER, MARSHALL MINNESOTA DATE
REG NO 53322

APPROVED: MARSHALL MUNICIPAL UTILITIES DATE

DESIGNED BY: JRL

DATE

REVISIONS

INIT.

Item 3.

SCALE: N/A



ENGINEERING DEPARTMENT
344 WEST MAIN STREET
MARSHALL, MINNESOTA
58258

LYON CIRCLE

TITLE SHEET

CITY PROJECT NO.
ST-010

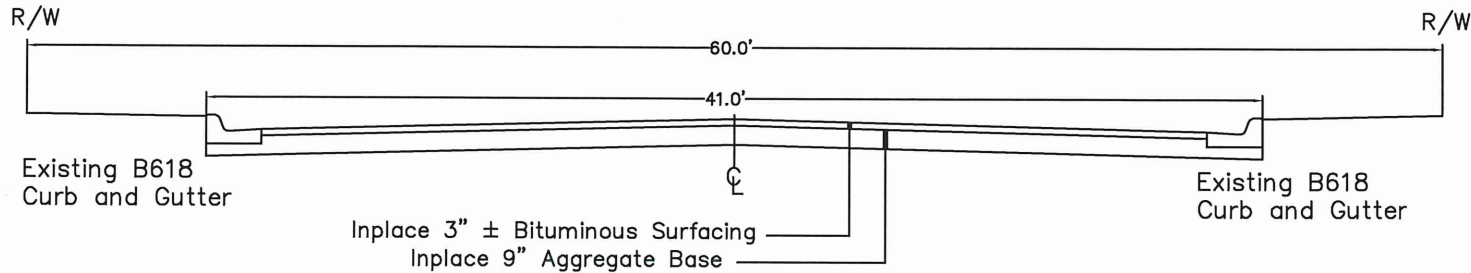
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DATE
02/01/2023

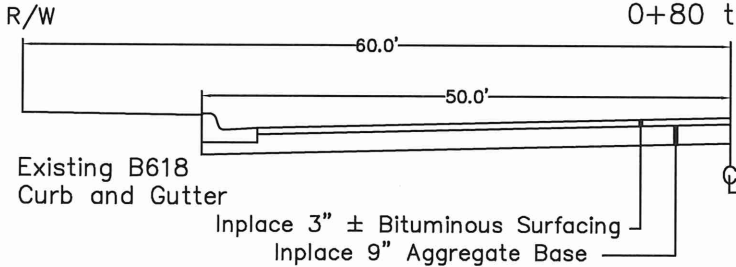
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1 OF 10

Existing Typical Section

Lyon Circle
0+00 to 0+80

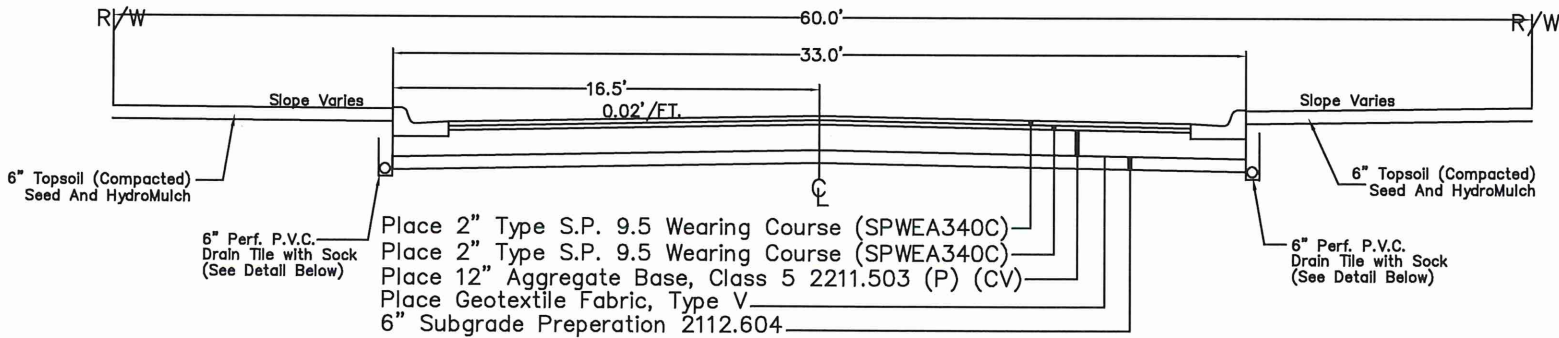


Lyon Circle
0+80 to 1+72

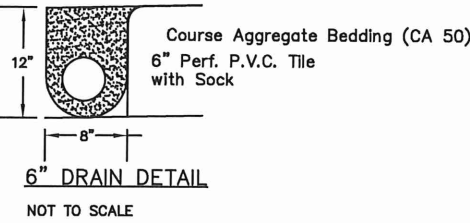
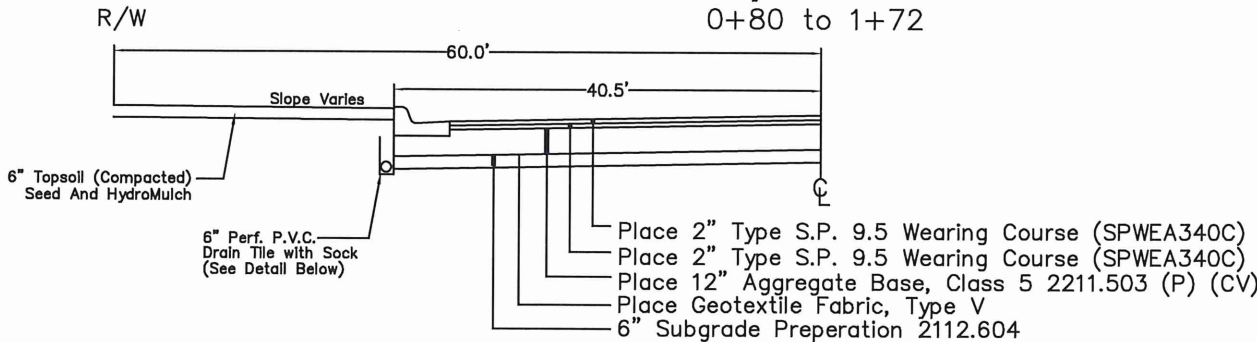


Proposed Typical Section

Lyon Circle
0+00 to 0+80




Lyon Circle
0+80 to 1+72



Not to Scale

DESIGNED BY: JRL	DATE	REVISIONS	INIT.
DRAWN BY: JRL			
Item 3.			
SCALE: N/A			



ENGINEERING DEPARTMENT
344 WEST MAIN STREET
MARSHALL, MINNESOTA
56258

MARSHALL

LYON CIRCLE
TYPICAL SECTION

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

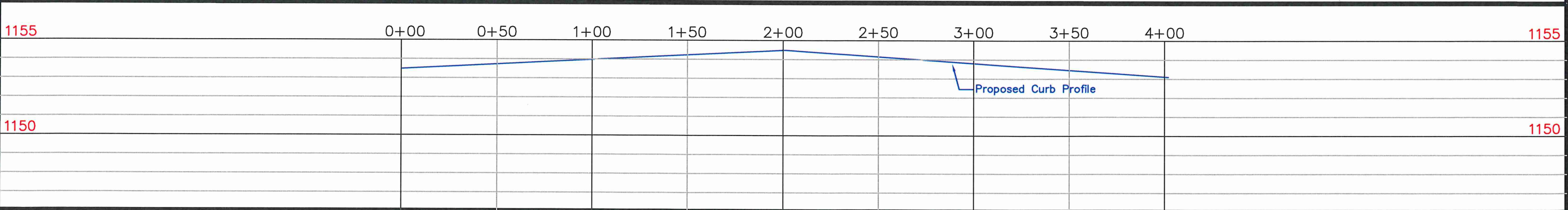
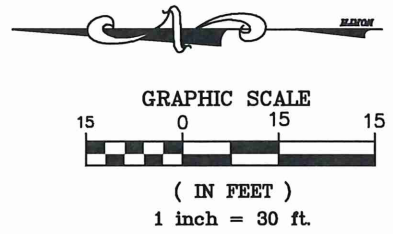
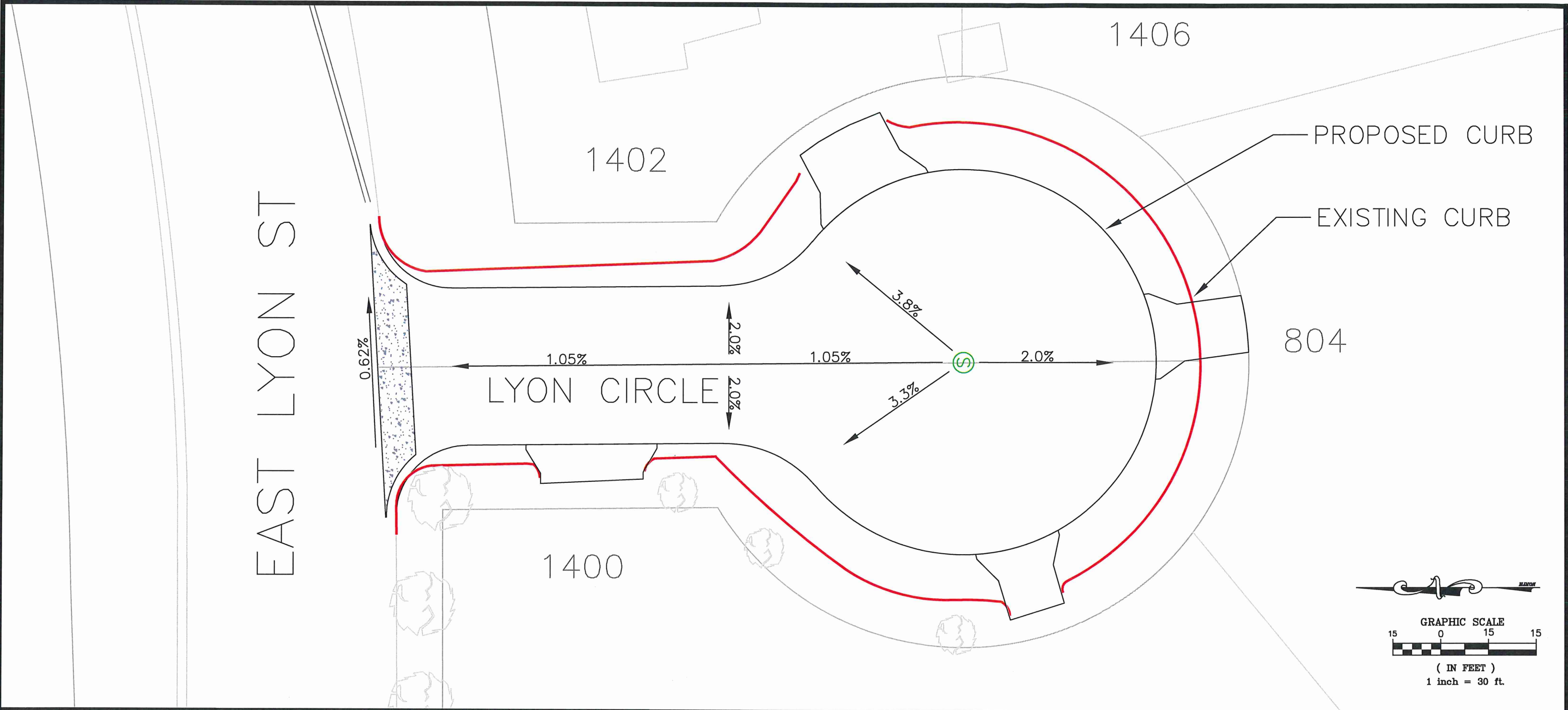
DATE 02/01/2023 LICENSE NO. 53322

CITY PROJECT NO. ST-010

STATE AID PROJECT NO.

DATE 02/01/2023

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DESIGNED BY: JRL	DATE	REVISIONS	INIT.	<p>ENGINEERING DEPARTMENT 344 WEST MAIN STREET MARSHALL, MINNESOTA 56258</p>	<p>LYON CIRCLE</p> <p>Plan & Profile</p>	<p>I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.</p> <p>DATE 02/01/2023 LICENSE NO. 53322</p>	<p>CITY PROJECT NO. ST-010</p> <p>STATE AID PROJECT NO. SH</p>	<p>DATE 02/01/2023</p> <p>Page 24</p>
DRAWN BY: JRL								
Item 3.								
SCALE: 1"=20'								

PI/T COMMITTEE – 02/14/2023

AGENDA ITEM REPORT

Presenter:	Jason Anderson
Meeting Date:	Tuesday, February 14, 2023
Category:	NEW BUSINESS
Type:	INFO
Subject:	Project AP-003: Airport Snow Removal Equipment (SRE) Building.
Background Information:	<p>The City of Marshall desires to construct a new Snow Removal Equipment (SRE) and Maintenance Equipment Storage Building at the Southwest Minnesota Regional Airport. The existing building does not adequately accommodate all airport maintenance equipment storage needs. The new facility is planned to be constructed on the East Building Area of the airport, as shown on the recently completed Airport Master Plan. The Project has been identified on the Airport CIP since FFY2011.</p> <p>The following is the most recent timeline received from TKDA, the City's consultant:</p> <ul style="list-style-type: none"> February 21st – TKDA to provide Ad for Bids, Estimate, and Plans and Specifications (99%) to the city for the council packet. February 28th – City Council approves advertising for bids March 1st – Post Plans and Specifications (100%) to QuestCDN April 3rd – Bid Opening April 11th – City Council conditionally accepts bid, and approves applying for funding April 14th – Grant application to FAA and MnDOT Aeronautics August 1st – Award Construction Contract (120 days after bid opening) September – November 2023 – site improvements April 2024 – September 2024 – building construction (not to begin before April 1, 2024) October 2024 – final completion and occupancy <p><u>Historical reference for action items relating to the project:</u></p> <p>03/23/2021 – Council authorized the first transfer of Airport Federal Entitlement Funds and authorized execution and filing of FAA Form 5100-110 for the transfer of \$150,000 of MML Airport 2021 Federal Entitlement Funds to Dodge Center, MN (TOB).</p> <p><i>Background: Based on the timeline above, the City's consultant, TKDA, proposed that two entitlement transfers be performed, one in 2021 (Dodge Center, MN-TOB), and one in 2022 (Waseca, MN-ACQ), to ensure that those entitlements do not expire. These entitlement transfers will provide the City and TKDA with enough time to prepare the necessary pre-project planning documents to secure state aeronautics funding while also helping the City to secure enough FAA entitlement funds to facilitate the construction of this improvement in 2023.</i></p> <p>Based on 03/23/2021 Council authorization of the first transfer of Airport Federal Entitlement Funds to Dodge Center, MN, the proposed timeline was presented as follows:</p> <ul style="list-style-type: none"> Phase 1 – 2021: Preliminary Design Study and Funding Plan Phase 2 – 2022: Design and Site Preparation Phase 3 – 2023: Construction

	<p>10/12/2021 – Council authorized acceptance of the Proposal with TKDA for a Predesign Study in the amount of \$35,000.00.</p> <p>03/08/2022 – Council authorized the second transfer of Airport Federal Entitlement Funds and authorized execution and filing of FAA Form 5100-110 for the transfer of \$150,000 of MML Airport 2022 Federal Entitlement Funds to Waseca, MN (ACQ). (See 03/23/2021 regarding first transfer.)</p> <p>04/26/2022 – Council authorized TKDA submittal of an FAA Grant Application in the amount of \$135,598.00. Total design cost in the request for grant funding was \$297,000.00. This total included \$7,000 in local project costs and \$35,000 reimbursement for the TKDA pre-design study.</p> <p>05/10/2022 – City Council authorized acceptance of the Proposal with TKDA for Design Phase Services in the amount of \$255,000 with services under this proposal, contingent on receipt of the federal and State grant agreements.</p> <p>08/15/2022 – FAA Grant Agreement 3-27-0056-019-2022 received and electronically signed by Mayor and City Attorney.</p> <p>09/13/2022 – City Council acknowledgement of FAA Grant Agreement 3-27-0056-019-2022 for Funding of Site and Building Design in the amount of \$135,598.00. Included in the Council packet for 09/13/2022 was the attached Proposed Project Schedule.</p> <p>09/27/2022 - Consider Resolution of Authorization to Execute MnDOT Grant Agreement No. 1051776 for funding of Site and Building Design in the amount of \$109,968.00.</p> <p>10/20/2022 – Submission of 2023 Federal Grant Initiation Request to ensure eligible utilization of all Airport entitlements and indicating the project is planned to utilize both the airports AIP and AIG funding available in 2023. At the time of submission of Initiation Request, it was noted that the building design was just beginning, and the funding eligibility and prorates would be revisited prior to the grant application.</p>
Fiscal Impact:	<p>Project estimates provided in the Initiation Request are as follows and shown on the attached Project Cost Breakdown included in the Initiation Request:</p> <ul style="list-style-type: none"> - \$2,365,000 for SRE building construction, construction phase engineering, and administrative costs - \$510,000 for facility site and utilities construction and construction phase engineering associated with the site work. Site work and utilities are planned to utilize FAA AIG (BIL) funding in FFY 2023.
Alternative/ Variations:	Informational.
Recommendations:	Informational.

PROJECT COST BREAKDOWN SRE BUILDING CONSTRUCTION AND SITE PREPARATION SOUTHWEST MINNESOTA REGIONAL AIRPORT - MARSHALL (MML) FEDERAL FISCAL YEAR 2023 GRANT INITIATION REQUEST									
ID	UNIT OF WORK	COSTS			FUNDING				
		TOTAL COST	AIP ELIGIBLE PERCENTAGE*	AIP ELIGIBLE COST	FAA AIP 90.0%	FAA AIG (BIL) 90.0%	STATE AIP MATCH 0.0%	STATE 70.0%	SPONSOR Varies
1	ADMINISTRATIVE								
	Independent Fee Review	\$ 6,000.00	100.00%	\$ 6,000.00	\$ 5,400.00	\$ -	\$ -	\$ -	\$ 600.00
	City Administration	\$ 4,000.00	100.00%	\$ 4,000.00	\$ 3,600.00	\$ -	\$ -	\$ -	\$ 400.00
	Subtotal Administrative	\$ 10,000.00	100.00%	\$ 10,000.00	\$ 9,000.00	\$ -	\$ -	\$ -	\$ 1,000.00
2	ENGINEERING								
	Construction Phase Engineering (Building)	\$ 155,000.00	35.64%	\$ 55,242.00	\$ 49,717.80	\$ -	\$ -	\$ 69,830.60	\$ 35,451.60
	Construction Phase Engineering (Site)	\$ 60,000.00	100.00%	\$ 60,000.00	\$ -	\$ 54,000.00	\$ -	\$ -	\$ 6,000.00
	Subtotal Engineering	\$ 215,000.00	53.60%	\$ 115,242.00	\$ 49,717.80	\$ 54,000.00	\$ -	\$ 69,830.60	\$ 41,451.60
3	CONSTRUCTION								
	Building Construction	\$ 2,200,000.00	35.64%	\$ 784,080.00	\$ 705,672.00	\$ -	\$ -	\$ 991,144.00	\$ 503,184.00
	Site Preparation/Utility Construction	\$ 450,000.00	100.00%	\$ 450,000.00	\$ -	\$ 405,000.00	\$ -	\$ -	\$ 45,000.00
	Subtotal Construction	\$ 2,650,000.00		\$ 1,234,080.00	\$ 705,672.00	\$ 405,000.00	\$ -	\$ 991,144.00	\$ 548,184.00
	TOTAL COST	\$ 2,875,000.00	47.28%	\$ 1,359,322.00	\$ 764,389.80	\$ 459,000.00	\$ -	\$ 1,060,974.60	\$ 590,635.60
			Project Funding Shares		26.59%	15.97%	0.00%	36.90%	20.54%
			Available FAA Entitlement Balance**		\$ 764,402.00	\$ 590,000.00			

*FAA funding eligibility subject to change

Notes:

- 1) AIP Eligible Percentage capped at percentage shown to keep AIP share within the available entitlement amount.
- 2) No State AIP Match shown since state amount exceeds \$400,000 on AIP ineligible, in accordance with the Airport Funding Rates Letter for State FY 2023.
- 3) City to request an exemption to the \$1.0M state limit on project funding, in accordance with the Airport Funding Rates Letter for State FY 2023.



NORTH - FRONT ENTRANCE



SOUTH - VEHICLE ENTRANCE



SOUTHEAST - BREAK AREA



TRANSPARENT PANEL

TP-1
BASIS OF DESIGN:
KALWALL

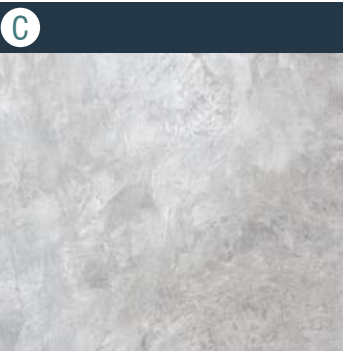
COLOR: CRYSTAL



STOREFRONT SYSTEM

ST-1/W-1
BASIS OF DESIGN:
KAWNEER

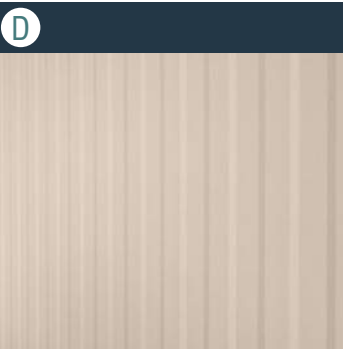
COLOR: CLEAR ANODIZED



CONCRETE

CONC-1
BASIS OF DESIGN:
CAST IN PLACE

COLOR: NATURAL



INSULATED METAL WALL /
ROOF PANEL

MP-1
BASIS OF DESIGN:
METL SPAN STYLE:
CF MESA

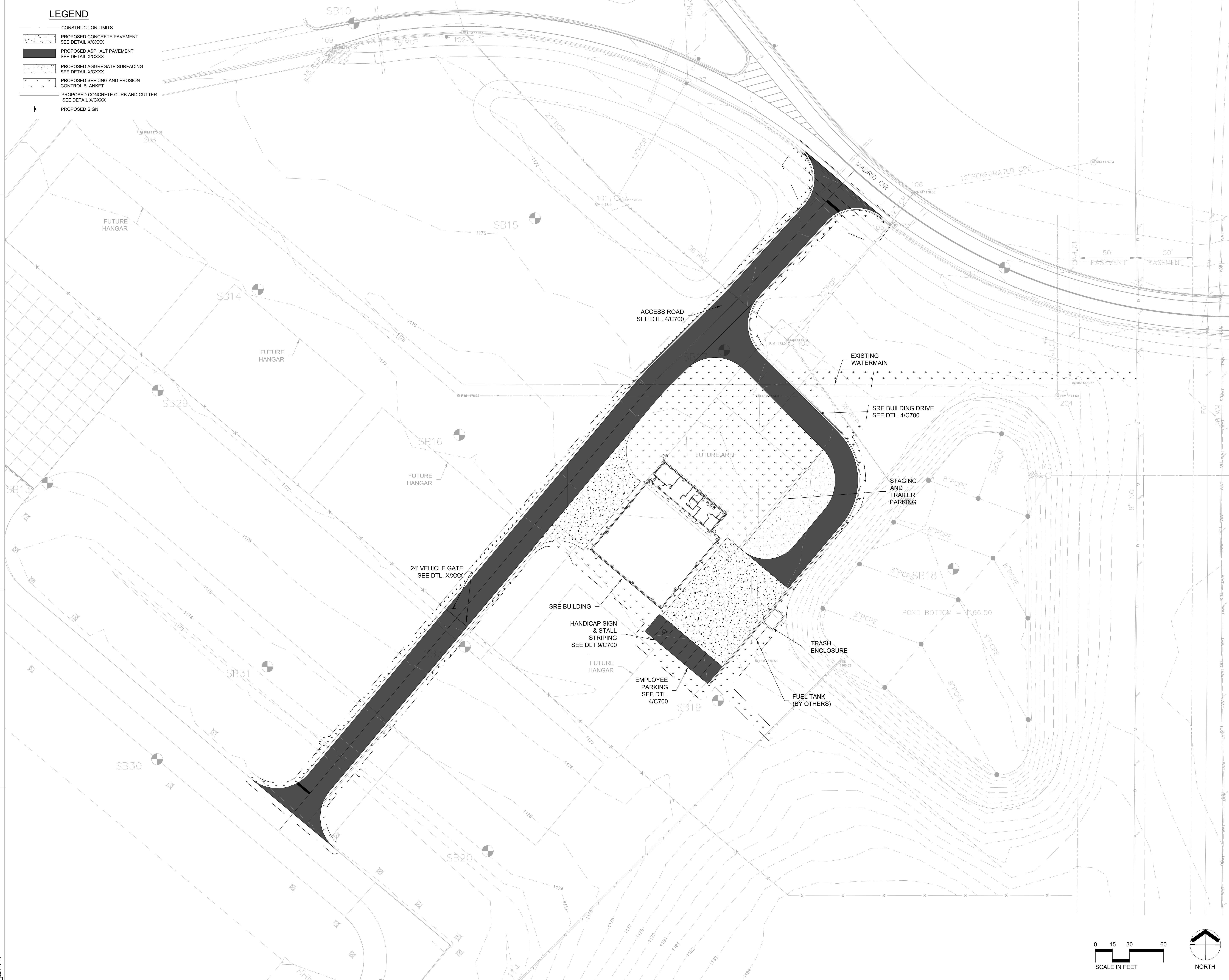
COLOR: ALMOND



INSULATED METAL WALL
PANEL

MP-2
BASIS OF DESIGN:
METL SPAN STYLE:
CF ARCHITECTURAL

COLOR: COR-TEN AZP
RAW



LEGEND

- CONSTRUCTION LIMITS
- PROPOSED CONCRETE PAVEMENT
SEE DETAIL X/CXXX
- PROPOSED ASPHALT PAVEMENT
SEE DETAIL X/CXXX
- PROPOSED AGGREGATE SURFACING
SEE DETAIL X/CXXX
- PROPOSED SEEDING AND EROSION
CONTROL BLANKET
- PROPOSED CONCRETE CURB AND GUTTER
SEE DETAIL X/CXXX
- PROPOSED SIGN



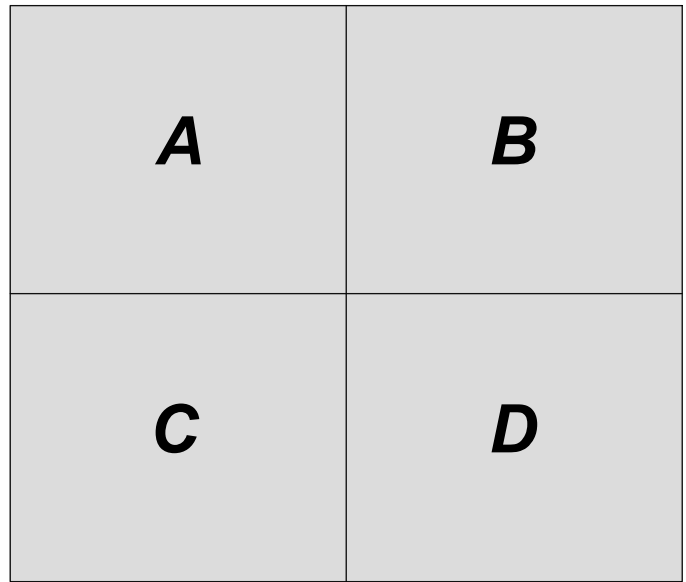
SOUTHWEST MINNESOTA
REGIONAL AIRPORT
1650 WEST COLLEGE DRIVE
MARSHALL, MINNESOTA



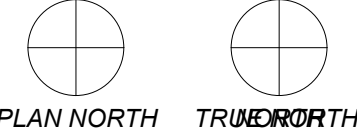
444 Cedar Street, Suite 1500
Saint Paul, MN 55101
612.292.4400
tkda.com

CONSULTANT DISCIPLINE:
CONSULTANT NAME
Consultant Address
Consultant Phone Number
Consultant Web Address

MARSHALL
SRE BUILDING



KEY PLAN



ALL CONTRACTORS AND SUB-CONTRACTORS SHALL
VERIFY ALL DIMENSIONS BY MEASUREMENT AT THE
BUILDING AND/OR SITE

0 1

BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE
INCH ON THIS DRAWING ADJUST SCALES ACCORDINGLY.

NO.	DATE	ISSUE RECORD

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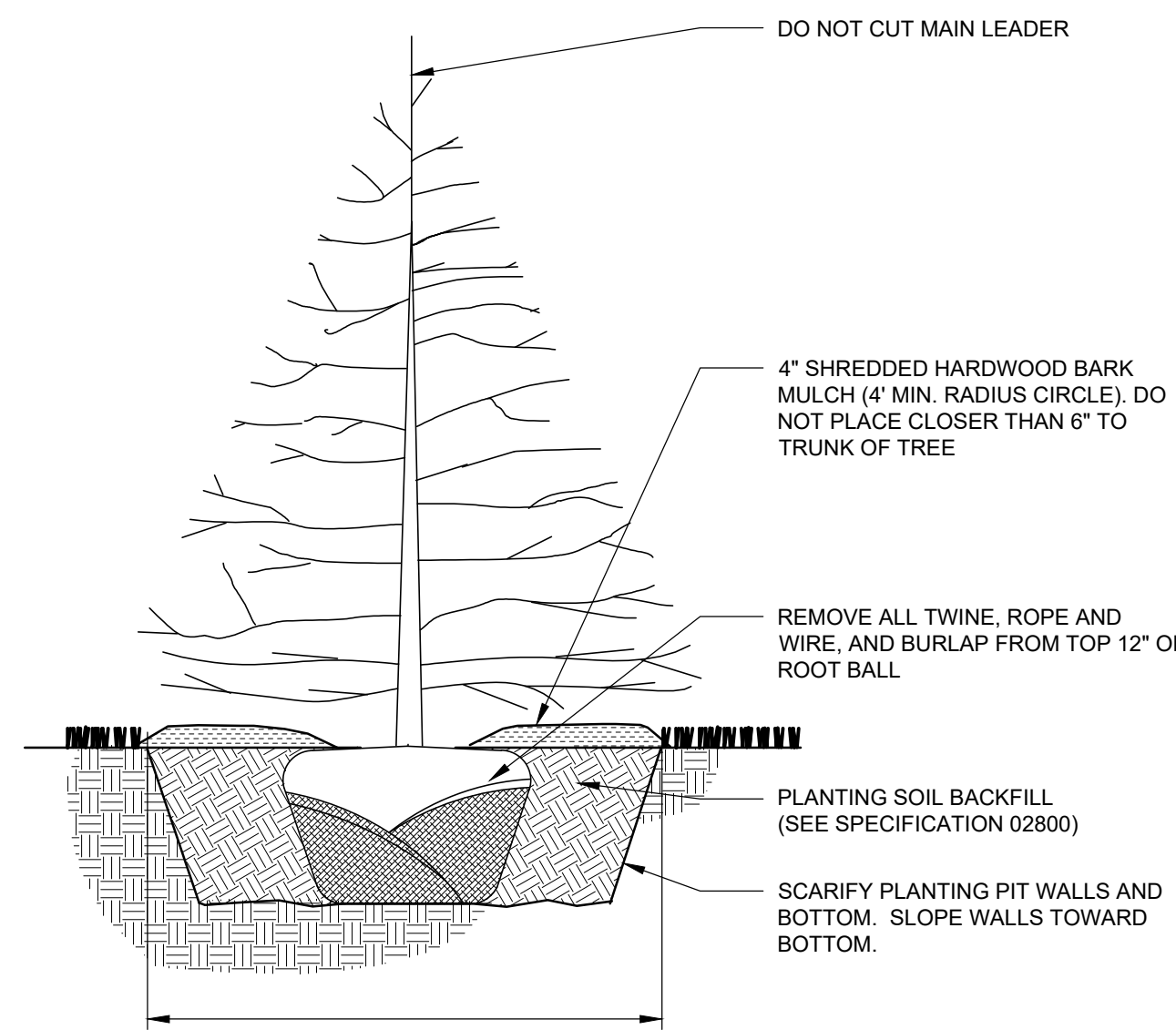
DESIGNED WDD DRAWN --- CHECKED BDP

SITE LAYOUT

C200

PLANT SCHEDULE

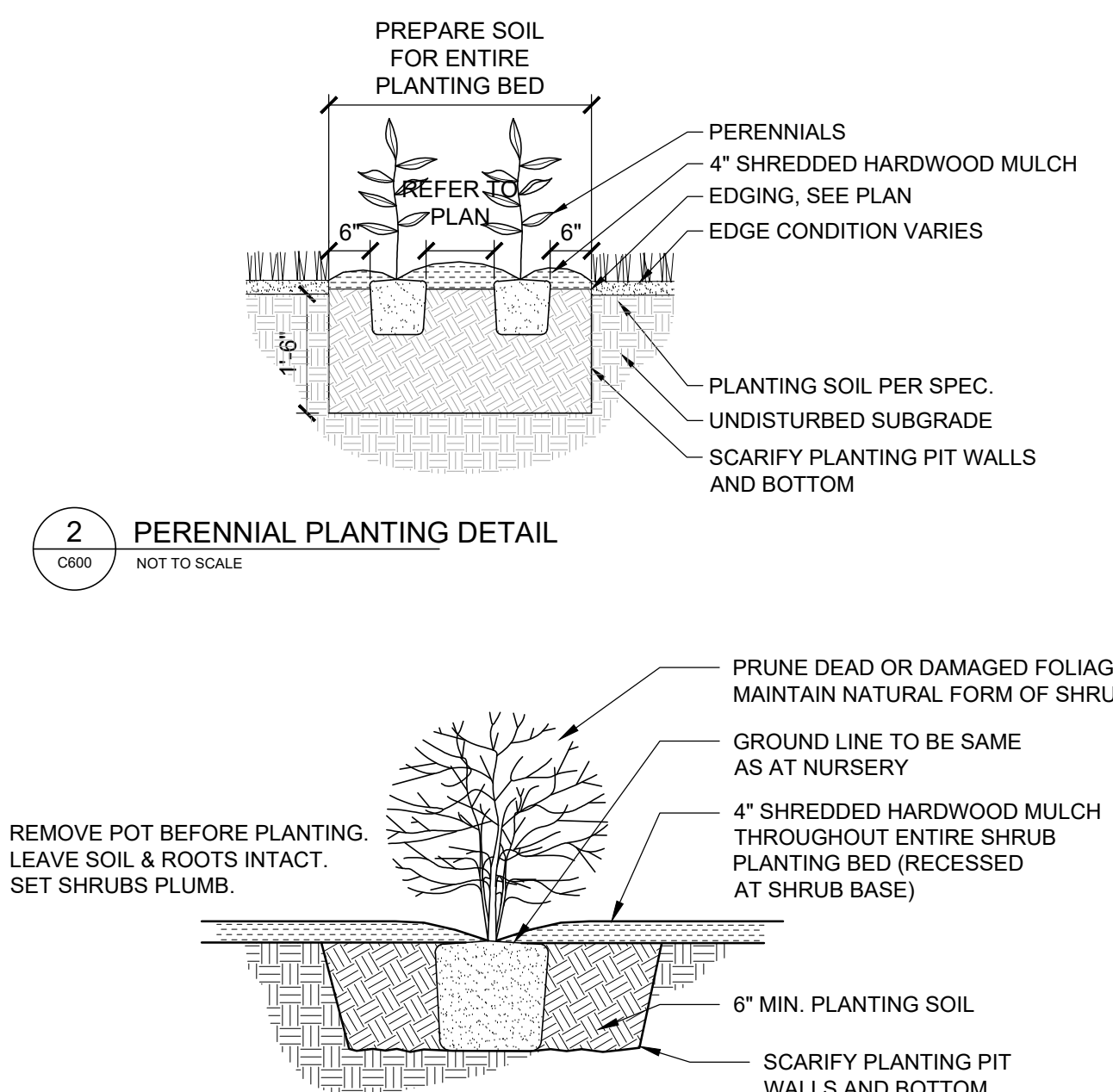
TREES	CODE	BOTANICAL / COMMON NAME	SIZE	CONTAINER	QTY	DETAIL	REMARKS
	PIN BAN	Pinus banksiana / Jack Pine	8' Ht.	B&B	12		
	PT	Populus tremuloides / Quaking Aspen	1.5" Cal.	B&B	4		
	SYR RET	Syringa reticulata / Japanese Tree Lilac	1.5" Cal.	B&B	4		
SHRUBS	CODE	BOTANICAL / COMMON NAME	SIZE	CONTAINER	QTY	DETAIL	REMARKS
	DIE LON	Diervilla lonicera / Dwarf Bush Honeysuckle	5 gal.	Pot	12		
	JUN FOR	Juniperus chinensis 'Sea Green' / Sea Green Juniper	5 gal.	B&B	3		
	PRU CIS	Prunus x cistena / Purple Leaf Sand Cherry	5 gal.	Pot	19		
	RHU GRO	Rhus aromatica 'Gro-Low' / Gro-Low Fragrant Sumac	5 gal.	Pot	10		
	SAL PUR	Salix purpurea 'Nana' / Dwarf Purple Osier Willow	5 gal.	Pot	9		
GRASSES	CODE	BOTANICAL / COMMON NAME	SIZE	CONTAINER	QTY	DETAIL	REMARKS
	SCH ST2	Schizachyrium scoparium 'Standing Ovation' / Standing Ovation Little Bluestem	1 gal.	Pot	13		
PERENNIALS	CODE	BOTANICAL / COMMON NAME	SIZE	CONTAINER	QTY	DETAIL	REMARKS
	HEM PAR	Hemerocallis x 'Pardon Me' / Pardon Me Daylily	1 gal.	Pot	10		
	NEP WAL	Nepeta x faassenii 'Walker's Low' / Walker's Low Catmint	1 gal.	Pot	11		
	RUD FU2	Rudbeckia hirta fulgida / Black-eyed Susan	1 gal.	Pot	6		
	SED AU3	Sedum x 'Autumn Joy' / Autumn Joy Sedum	1 gal.	Pot	6		



TREE SHALL BE PRUNED IMMEDIATELY AFTER PLANTING TO REMOVE DEAD, BROKEN, DISEASED, DYING OR RUBBING BRANCHES. CO-DOMINANT STEMS LESS THAN 4" IN DIA. AT THE FORK SHALL BE PRUNED OFF AND ONE MAIN STEM SHOULD REMAIN. TREE TOPPING OR HEADING IS NOT PERMITTED AT ANY TIME. STAKING IS NOT REQUIRED, BUT IF INSTALLED IT SHALL BE REMOVED NO LATER THAN ONE YEAR AFTER PLANTING.

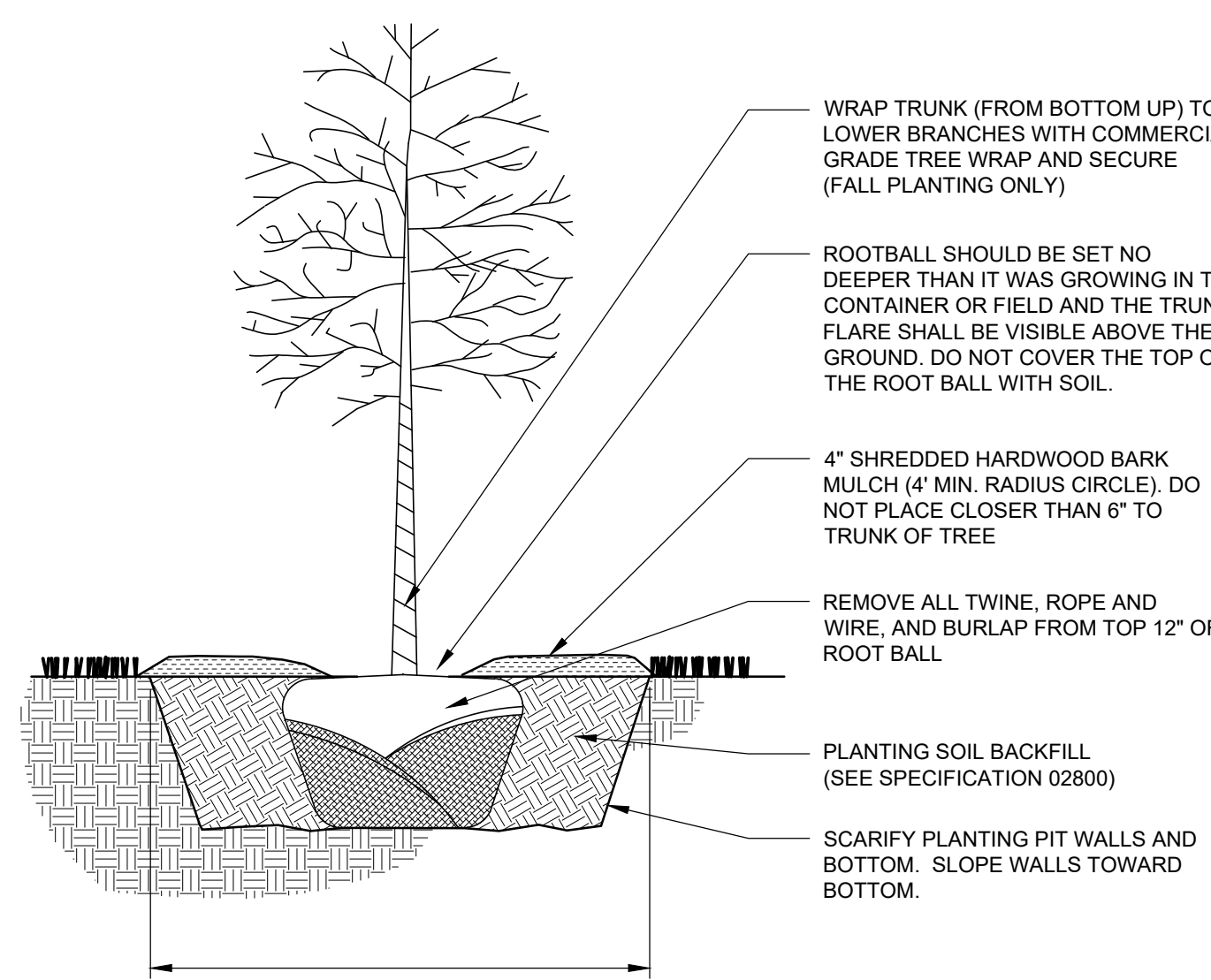
SET TREE PLUMB, STAKING AND GUYING AS NECESSARY

1 EVERGREEN TREE PLANTING DETAIL
C600 NOT TO SCALE



REMOVE POT BEFORE PLANTING. LEAVE SOIL & ROOTS INTACT. SET SHRUBS PLUMB.

3 SHRUB PLANTING DETAIL
C600 NOT TO SCALE



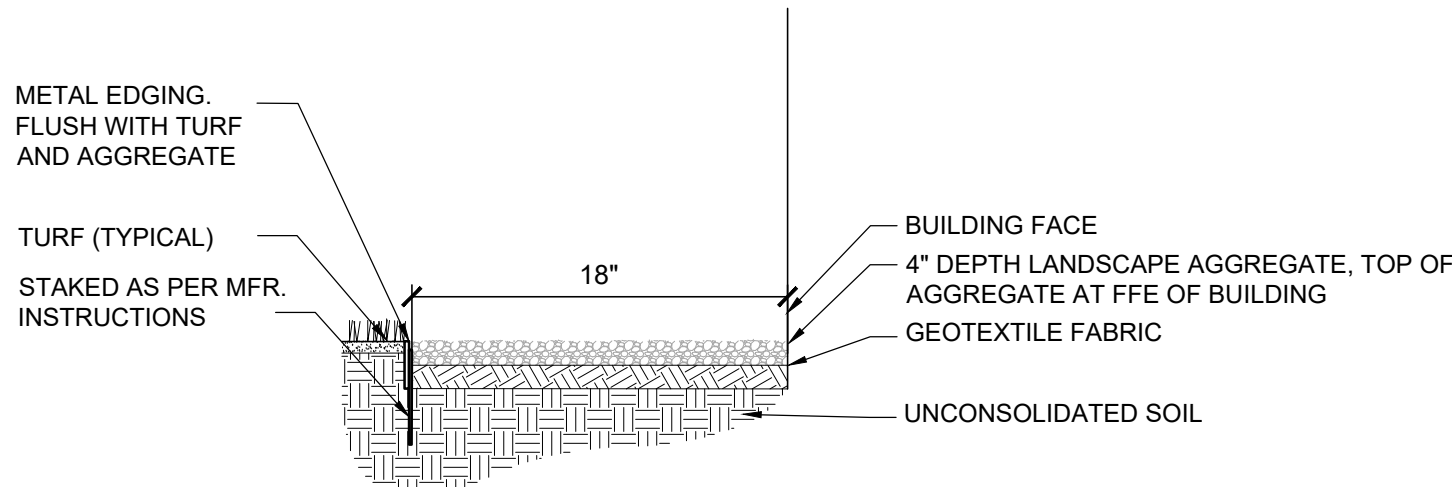
TREE SHALL BE PRUNED IMMEDIATELY AFTER PLANTING TO REMOVE DEAD, BROKEN, DISEASED, DYING OR RUBBING BRANCHES. CO-DOMINANT STEMS LESS THAN 4" IN DIA. AT THE FORK SHALL BE PRUNED OFF AND ONE MAIN STEM SHOULD REMAIN. TREE TOPPING OR HEADING IS NOT PERMITTED AT ANY TIME. STAKING IS NOT REQUIRED, BUT IF INSTALLED IT SHALL BE REMOVED NO LATER THAN ONE YEAR AFTER PLANTING.

MARK THE NORTH SIDE OF THE TREE IN THE NURSERY AND ROTATE TREE TO FACE NORTH AT THE SITE WHENEVER POSSIBLE

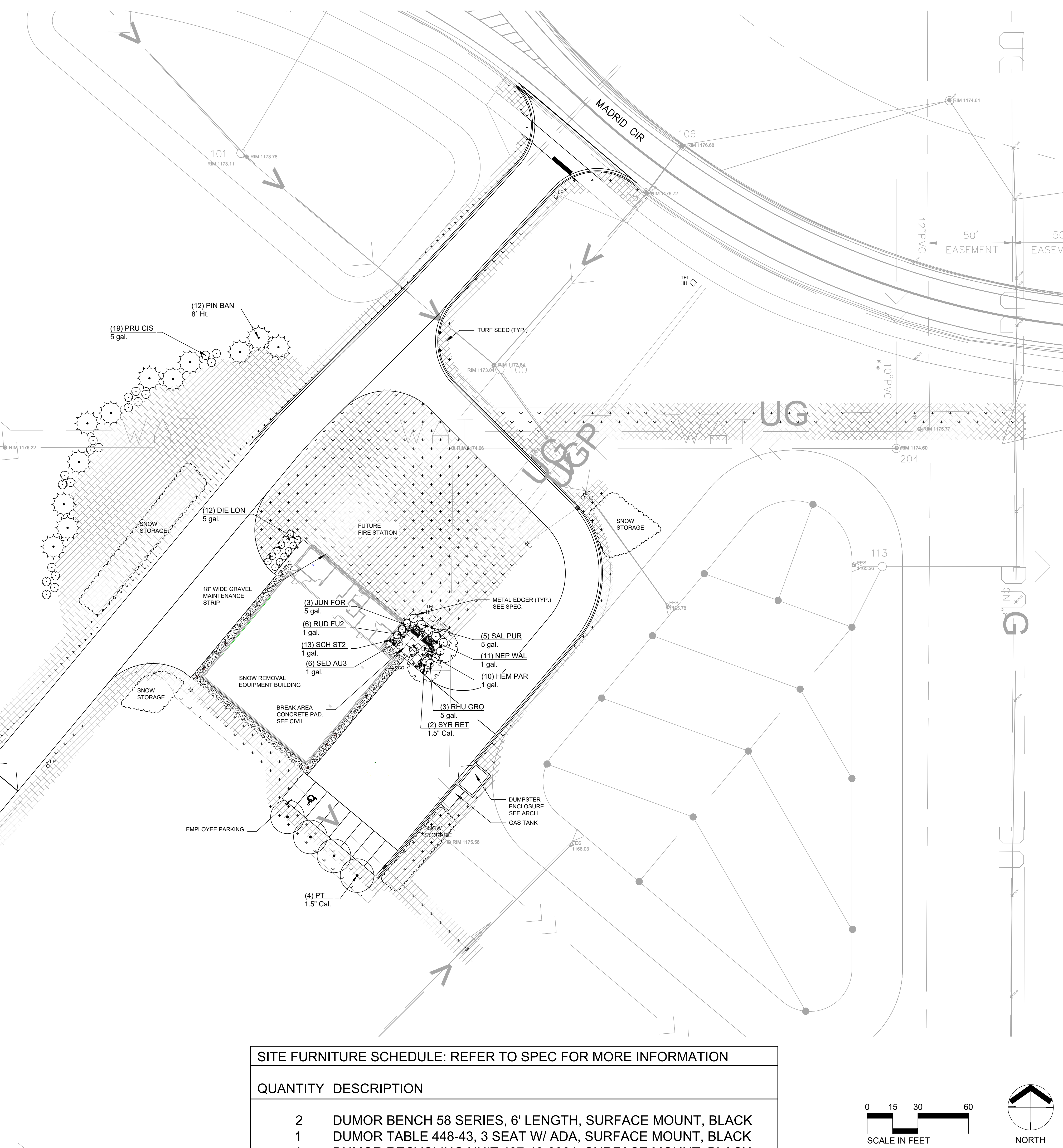
SET TREE PLUMB

4 DECIDUOUS TREE PLANTING DETAIL
C600 NOT TO SCALE

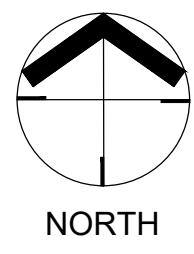
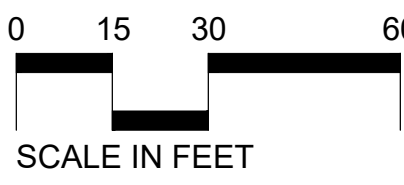
5 SITE LANDSCAPE PLAN
SCALE: 1"=30'



6 BUILDING MAINTENANCE ROCK MULCH
C600 NO SCALE



SITE FURNITURE SCHEDULE: REFER TO SPEC FOR MORE INFORMATION	
QUANTITY	DESCRIPTION
2	DUMOR BENCH 58 SERIES, 6' LENGTH, SURFACE MOUNT, BLACK
1	DUMOR TABLE 448-43, 3 SEAT W/ ADA, SURFACE MOUNT, BLACK
1	DUMOR RECYCLING UNIT 437-40-0001, SURFACE MOUNT, BLACK



GENERAL NOTES

- SEE CIVIL DRAWINGS FOR SITE LAYOUT
- ALL DISTURBED AREAS NOT DENOTED WITH TURF OR STORMWATER BASIN SEED MIX TO BE RESTORED WITH TURF SEED

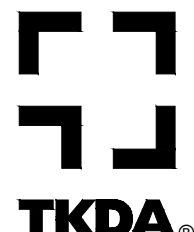
PLANTING NOTES

- STRIP AND STOCKPILE TOPSOIL FOR RE-USE.
- PROVIDE 6" TOPSOIL ON ALL AREAS TO RECEIVE SEED.
- WHERE SEED ABUTS PAVED SURFACE, FINISHED GRADE OF SEED SHALL BE 1" BELOW SURFACE OF PAVEMENT.



SOUTHWEST MINNESOTA
REGIONAL AIRPORT

1650 WEST COLLEGE DRIVE
MARSHALL, MINNESOTA

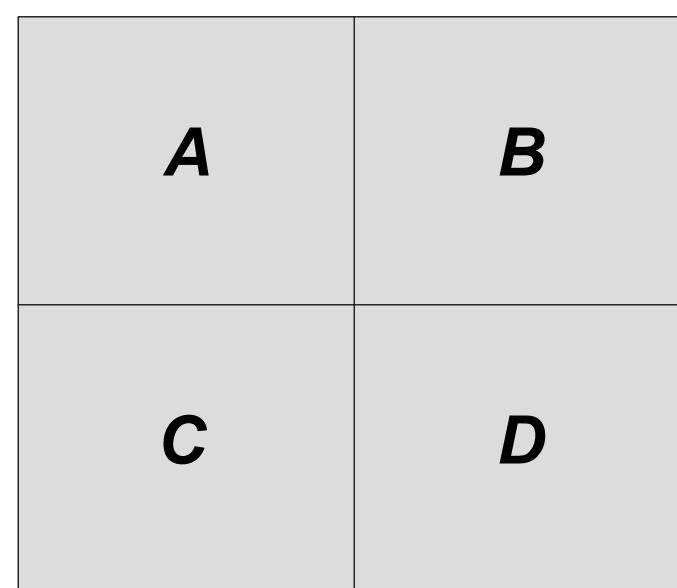


444 Cedar Street, Suite 1500
Saint Paul, MN 55101
612.292.4400
tkda.com

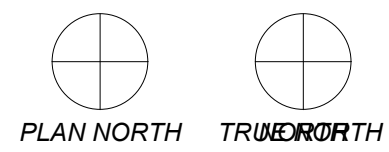
CONSULTANT DISCIPLINE:

CONSULTANT NAME
Consultant Address
Consultant Phone Number
Consultant Web Address

MARSHALL
SRE BUILDING



KEY PLAN



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BUILDING AND/OR SITE



BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE
INCH ON THIS DRAWING ADJUST SCALES ACCORDINGLY.

NO.	DATE	ISSUE RECORD

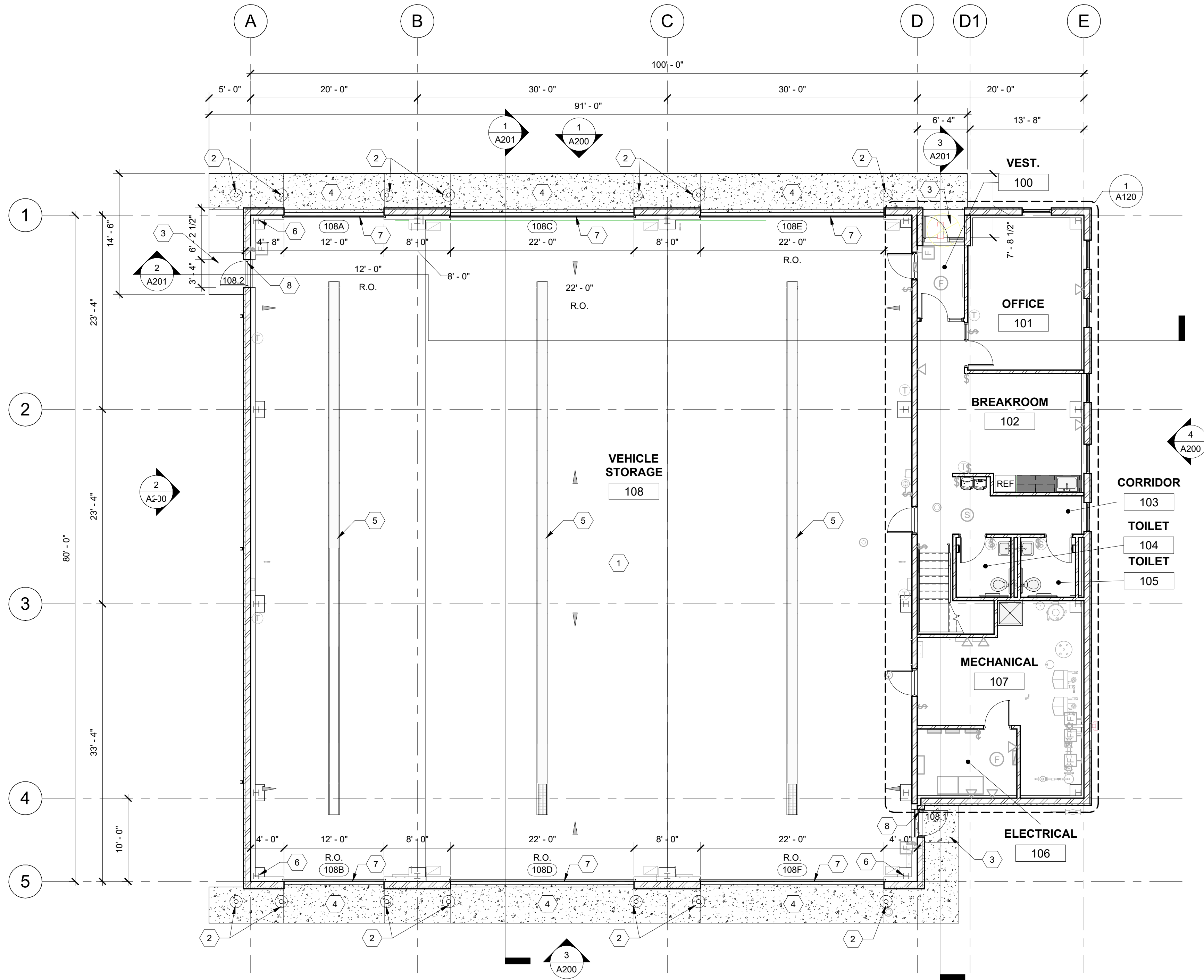
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2/07/2023

DESIGNED	DRAWN	CHECKED
DKS	DKS	---

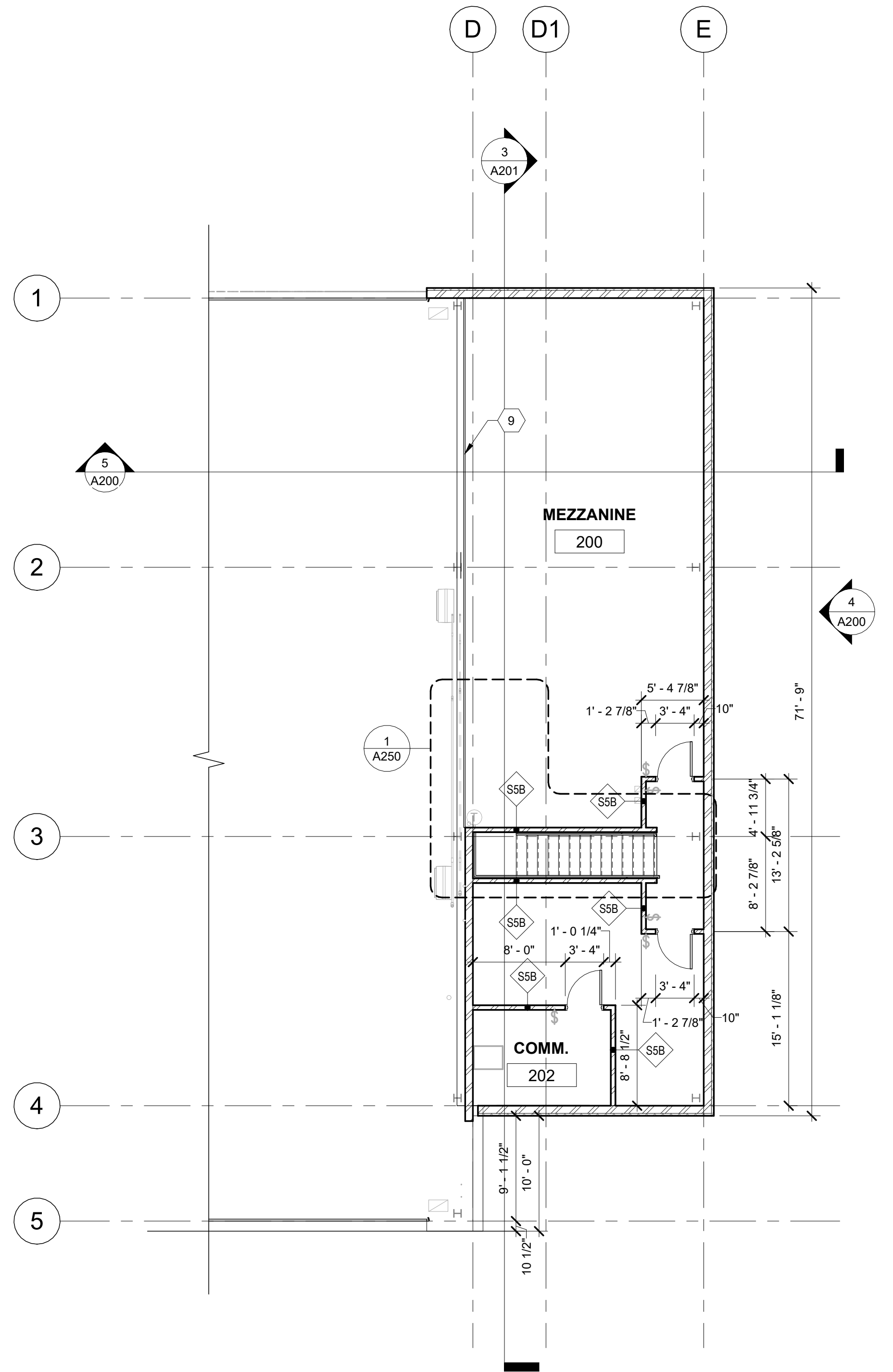
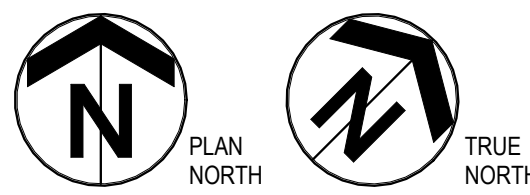
SITE LANDSCAPE PLAN

C600

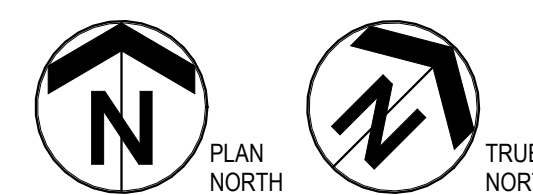
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Item 4.



1 FLOOR PLAN - MAIN LEVEL
A100
1/8" = 1'-0"



2 FLOOR PLAN - MEZZANINE
A100
1/8" = 1'-0"



GENERAL NOTES

1. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL ITEMS AND INFORMATION.
2. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS.

KEYNOTES

1. CONCRETE SLAB ON GRADE WITH HYDRONIC HEAT LOOPS, SLOPE TO DRAINS.
2. CONCRETE FILLED STEEL BOLLARD (OSHA YELLOW). SEE STRUCTURAL.
3. REINFORCED CONCRETE STOOP WITH FROST FOUNDATION. SEE STRUCTURAL.
4. REINFORCED CONCRETE APRON, TYPICAL.
5. HEAVY DUTY TRENCH DRAIN WITH METAL GRATING. SEE MECHANICAL.
6. RIGID BUILDING FRAME, TYPICAL.
7. INSULATED OVERHEAD SECTIONAL DOOR WITH VISION PANELS AND OPERATOR.
8. 3'-0" X 7'-0" HOLLOW METAL SERVICE DOOR AND FRAME W/ HARDWARE AS REQ'D.
9. METAL GUARD RAIL, TYPICAL.

DRAWING SYMBOL LEGEND

FLOOR PLAN SYMBOLS			
	EXISTING DOOR TO REMAIN		EXIST WALL TO REMAIN
	DOOR *REFER TO DOOR SCHED.		METAL STUD WALL *REF WALL TYPES
	INTERIOR OR EXTERIOR WINDOW *REF WINDOW TYPE		C.M.U. WALL *REF WALL TYPES
	LOUVER *REF TO MECHANICAL		P/C WALL (INSULATED) *REF WALL TYPES
	RECESSED CABINET (FEC)		CONC. WALL *REF WALL TYPES
	BRACKET MTD. (FE)		CHAINLINK FENCE *REF WALL TYPES
			ACCORDIAN PARTITION

MARSHALL SRE BUILDING

0 1
BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE
INCH ON THIS DRAWING ADJUST SCALES ACCORDINGLY.

DESIGN DEVELOPMENT

NO.	DATE	ISSUE RECORD

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2/07/2023**

DESIGNED ADG DRAWN TE CHECKED
FLOOR PLANS

A100

MARSHALL
SRE BUILDING

1. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL ITEMS AND INFORMATION.
2. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS.

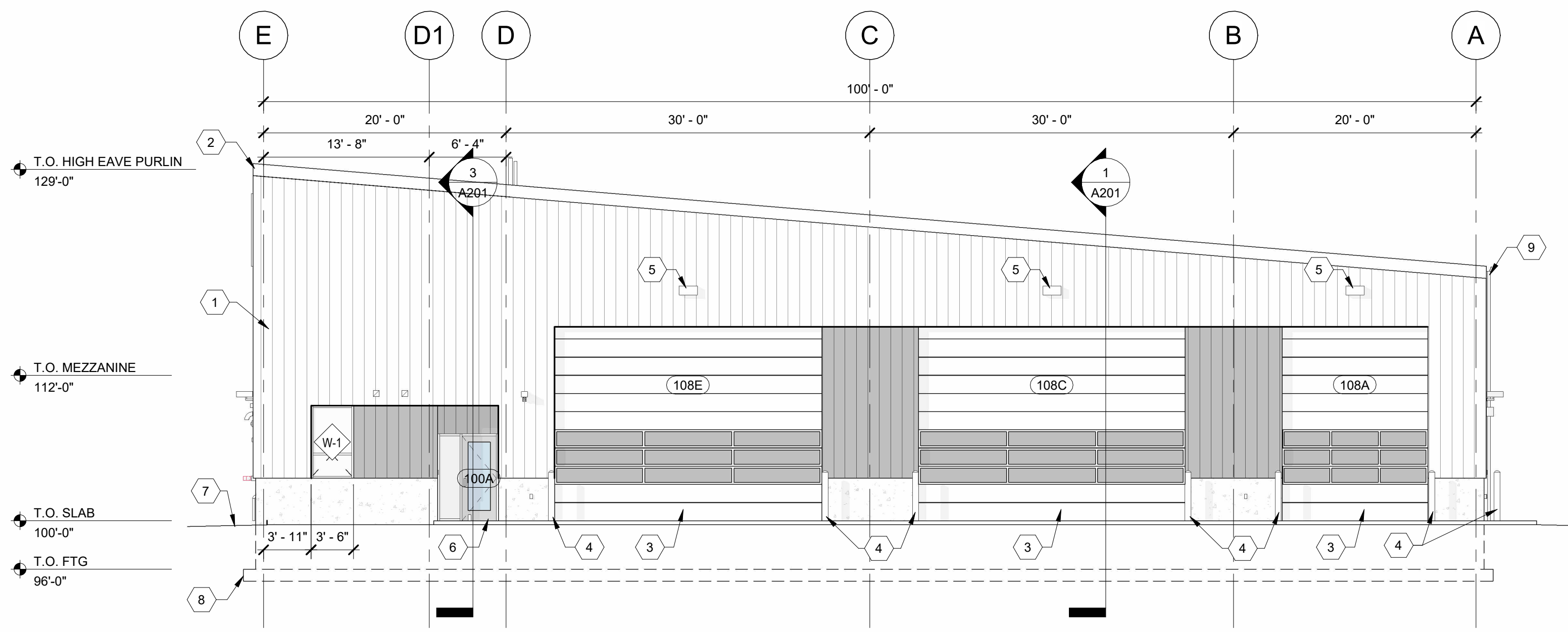
- 1 KITCHENETTE.
- 2 WATER COOLER.
- 3 UTILITY SINK.
- 4 RIGID BUILDING FRAME, TYPICAL.
- 5 REINFORCED CONCRETE STOOP WITH FROST FOUNDATION. SEE STRUCTURAL



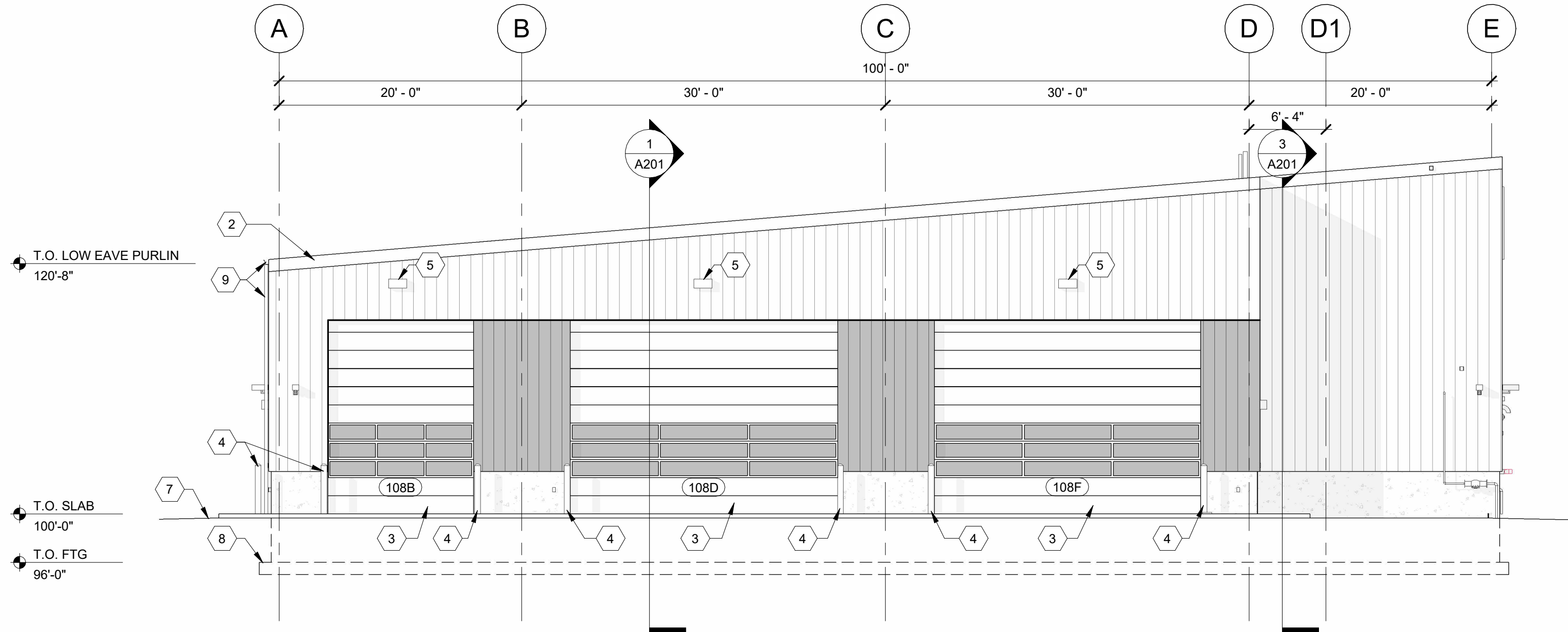
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2/07/2023

DESIGNED	DRAWN	CHECKED
ADG	TE	Checker
ENLARGED PLANS		

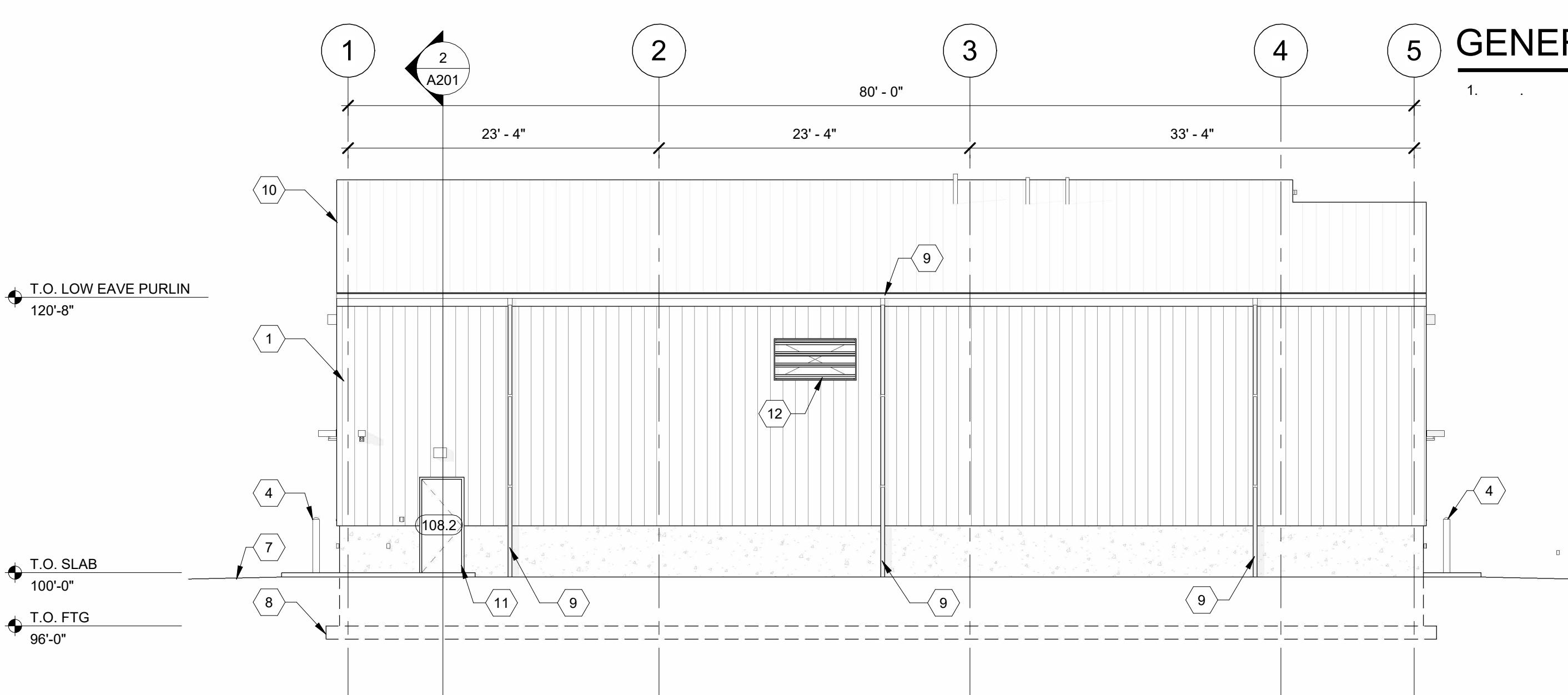
A120



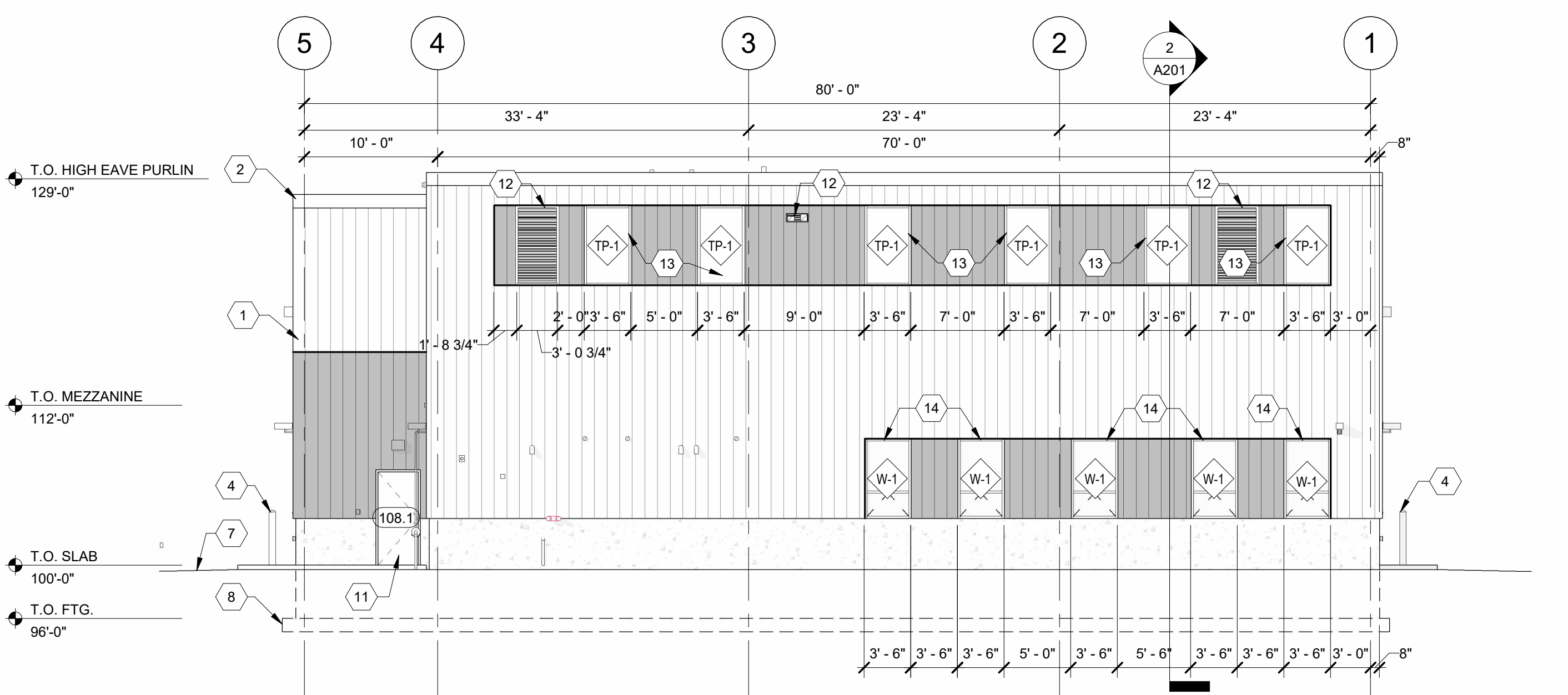
1 NORTH ELEVATION
A200 1/8" = 1'-0"



3 SOUTH ELEVATION
A200 1/8" = 1'-0"



2 WEST ELEVATION
A200 1/8" = 1'-0"



4 EAST ELEVATION
A200 1/8" = 1'-0"

GENERAL NOTES

1.

KEYNOTES

- FACTORY FINISHED INSULATED METAL PANEL WALL SYSTEM.
- FACTORY FINISHED METAL ROOF EDGE FOR FACTORY FINISHED INSULATED METAL PANEL ROOF SYSTEM.
- INSULATED OVERHEAD SECTIONAL DOOR WITH VISION PANELS AND OPERATOR.
- CONCRETE FILLED STEEL BOLLARD (OSHA YELLOW), SEE STRUCTURAL.
- WALL-PACK LED DOWN-LIGHTING TO BE NIGHT SKY COMPLIANT. SEE ELECTRICAL.
- INSULATED ALUMINUM ENTRY SYSTEM W/ SIDELITE. SEE XX/AXXX FOR DETAILS.
- APPROX. GRADE, SLOPE AWAY FROM BUILDING.
- DASHED LINE INDICATES FOUNDATION AND FOOTING BELOW GRADE.
- FACTORY FINISHED METAL GUTTER AND DOWNSPOUT TO SUB GRADE DRAINAGE.
- FACTORY FINISHED INSULATED METAL PANEL ROOF SYSTEM.
- 3'-0" X 7'-0" HOLLOW METAL SERVICE DOOR AND FRAME W/ HARDWARE AS REQ'D.
- EXTERIOR LOUVER.
- 3'-6" X 6'-0" INSULATED TRANSLUCENT PANEL. SEE XX/AXXX FOR DETAILS.
- 3'-6" X 6'-0" INSULATED ALUMINUM WINDOW UNIT. SEE XX/AXXX FOR DETAILS.

EXTERIOR MATERIAL SCHEDULE

ID TAG	DESCRIPTION	MANUFACTURER	PRODUCT STYLE / SERIES	COLOR / FINISH	SIZE / UNIT	NOTES

MARSHALL SRE BUILDING

0 1
BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE
INCH ON THIS DRAWING ADJUST SCALES ACCORDINGLY.

DESIGN DEVELOPMENT

NO.	DATE	ISSUE RECORD

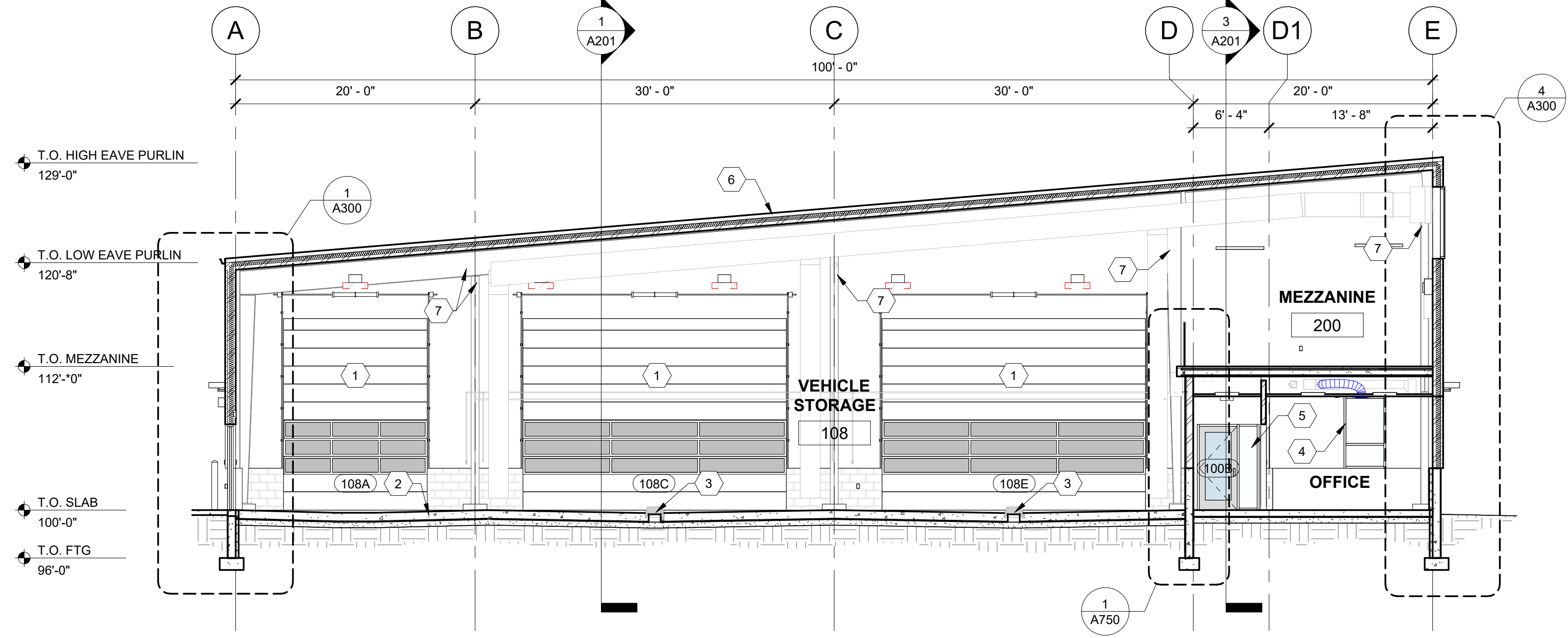
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2/07/2023

DESIGNED ADG DRAWN TE CHECKED TE
ELEVATIONS

A200

18338.001

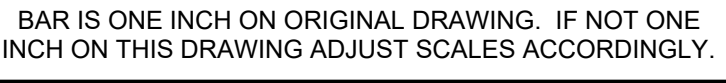
1.



2 BUILDING SECTION EAST-WEST
A201 1/8" = 1'-0"



- 1 INSULATED OVERHEAD SECTIONAL DOOR WITH VISION PANELS AND OPERATOR.
- 2 CONCRETE SLAB ON GRADE WITH HYDRONIC HEAT LOOPS, SLOPE TO DRAINS.
- 3 HEAVY DUTY TRENCH DRAIN WITH METAL GRATING. SEE MECHANICAL.
- 4 3'-6" X 6'-0" INSULATED ALUMINUM WINDOW UNIT. SEE XX/XXXX FOR DETAILS.
- 5 INSULATED ALUMINUM ENTRY SYSTEM W/ SIDELITE. SEE XX/XXXX FOR DETAILS.
- 6 FACTORY FINISHED INSULATED METAL PANEL ROOF SYSTEM.
- 7 RIGID BUILDING FRAME, TYPICAL.
- 8 3'-0" X 7'-0" HOLLOW METAL DOOR AND FRAME W/ HARDWARE AS REQ'D.
- 9 FACTORY FINISHED INSULATED METAL PANEL WALL SYSTEM.
- 10 CONCRETE FILLED STEEL BOLLARD (OSHA YELLOW). SEE STRUCTURAL.
- 11 REINFORCED CONCRETE APRON, TYPICAL.
- 12 3'-6" X 6'-0" INSULATED TRANSLUCENT PANEL. SEE XX/XXXX FOR DETAILS.
- 13 METAL LINER PANEL FINISH.
- 14 METAL GUARD RAIL, TYPICAL.
- 15 REINFORCED CONCRETE STOOP WITH FROST FOUNDATION. SEE STRUCTURAL.
- 16 EXTERIOR LOUVER.
- 17 STAIR TO MEZZANINE.
- 18 ACOUSTIC CEILING TILE.
- 19 WATER COOLER.

[illegible]

**ISSUED FOR REVIEW ONLY
NOT FOR CONSTRUCTION
2/07/2023**

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SECTIONS

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