

Exhibit A

Ordinance Permit 20240030601



CITY OF SAINT PAUL DEPARTMENT OF PUBLIC WORKS

Certificate of Compliance

I hereby certify that work completed under this Ordinance Permit and materials provided for installation conform to the appropriate specifications and provisions of the current State of Minnesota Department of Transportation *Standard Specifications for Construction* and the Department of Public Works, City of Saint Paul, Minnesota, *Standard Supplemental Specifications for Construction*, as amended, and that I am duly Licensed Professional Engineer under the laws of the State of Minnesota.

United Village- Sanitary Sewer Extension- Ordinance Permit No. 20240030601

Project Description

	19264	02/25/2026
(Signature and License No.)		Date

Loucks, Inc.

Organization (Print)

**CITY OF ST PAUL**

Department of Public Works
25 West 4th Street
1500 City Hall Annex
Saint Paul, MN 55102

**ORDINANCE
PERMIT****OFFICE USE ONLY**

Application No. _____
Application Date _____
SPR File # _____
Permit No. _____

Type of Permit:

- | | | |
|--|---|--|
| ☐ 01 Roadway | ☐ 04 Storm Sewer Collection | ☐ 07 Sanitary Sewer Special |
| ☐ 02 Sidewalk | ☐ 05 Storm Sewer Treatment | ☐ 08 Retaining Wall |
| ☐ 03 Traffic Appurtenances Including Signals,
Lighting, EV Infrastructure, Signing, Striping | ☐ 06 Sanitary Sewer Collection | ☐ 09 Bridge |

Phase:**Location** (Street On, From/To, and Adjacent Lots/Blocks):

Description of Work: [Include the description provided in the permit application and all subsequent amendments or revisions, which are hereby incorporated by reference.]

Applicant Contact Person:**Contact Person Title:****Contact Person Telephone:****Contact Person Email:****Bond Co.:****Bond Amount:****Bond No.:****Insurance Co.:****Insurance Certificate No.:****Permit Conditions:**

This permit is issued with the stipulation that the work of the permittee and related agents, employees and contractors shall conform in all respects to the City of Saint Paul Department of Public Works Ordinance Permit Process Document and the Department of Public Works List of Applicable Standards & Specifications. The permit shall be available for display at the site referred to herein and shown to any Police Officer or Inspector upon demand and does not authorize or allow for interference with the work of any Contract made or to be made with the City of Saint Paul.

**THIS PERMIT MAY BE REVOKED AT ANY TIME
BY THE DIRECTOR OF PUBLIC WORKS****A PERMIT FOR THE ABOVE DESCRIBED CONSTRUCTION IS AUTHORIZED BY:**David Kuebler

Signature

Title

Date

Printed Name

PERMIT NUMBER _____

ITEMS TO BE COMPLETED PRIOR TO ACCEPTANCE OF INFRASTRUCTURE AND RELEASE OF PERMIT

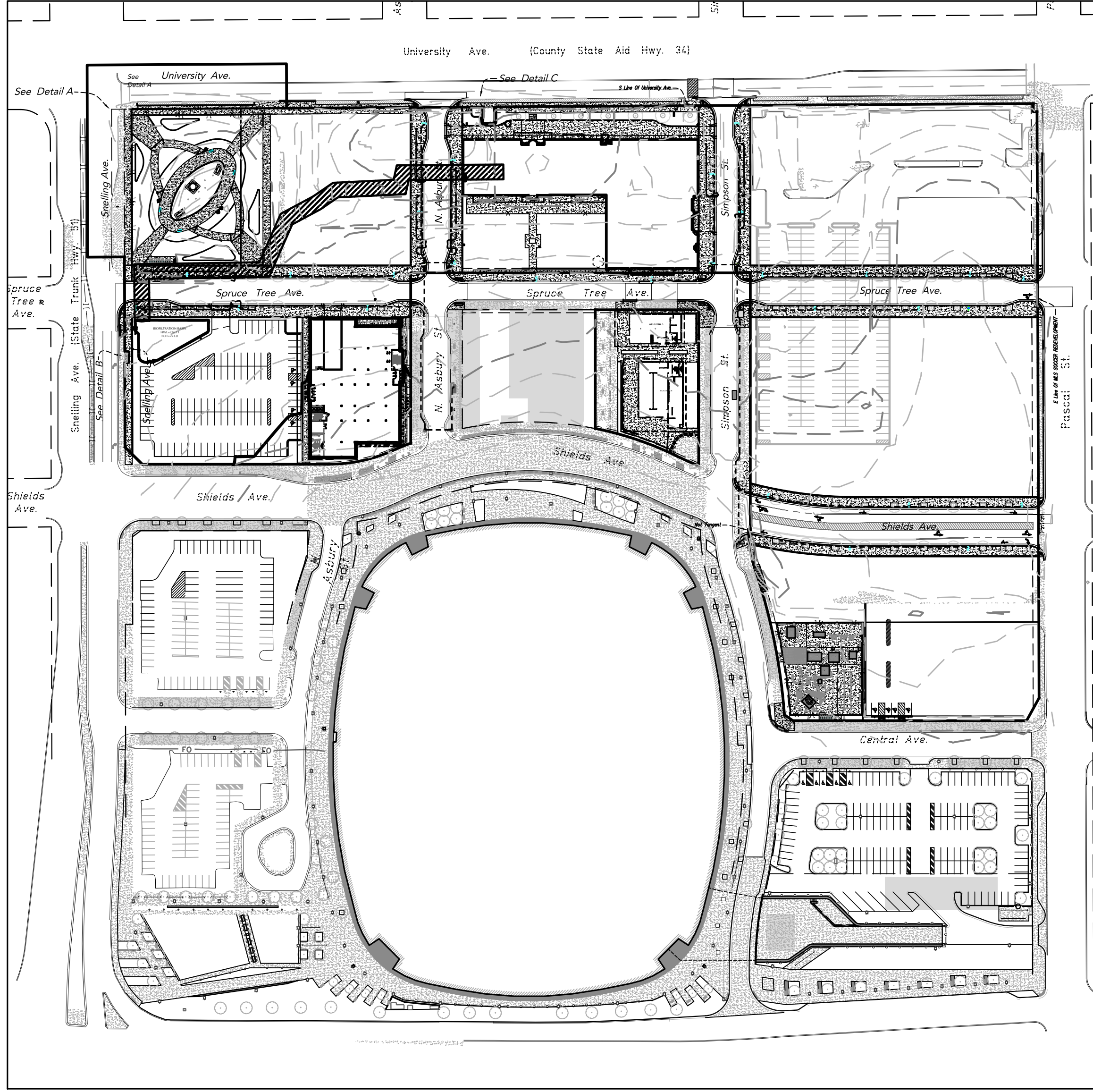
Prior to acceptance of any infrastructure and release of City permits, the following items must be completed to the satisfaction of the City:

- ☐ Corrective (punch list) work completed;
- ☐ Original reproducible CAD and PDF as-built plans, signed by the Engineer of Record, provided to Public Works; Submittal of final copies of Metropolitan Council Environmental Services and MN Pollution Control Agency Permits (Sewer Extension, SAC Determination, etc.);
- ☐ Full compliance with project Quality Management Plan or other document(s) governing quality management and quality assurance;
- ☐ Documentation of compliance with all applicable City and non-City permit requirements, including, but not limited to: City Public Works Right-of-Way Office, Minnesota Pollution Control Agency, Capitol Region Watershed District, and National Pollution Discharge Elimination System permit requirements;
- ☐ Documentation of roadway materials at compaction of grading and base, plant mix design report, strength;
- ☐ Video of all sanitary sewer mains and laterals, storm sewer mains and laterals, and any structural BMP's (pipe galleries, drantile, sediment control structures, weir structures, etc.) installed under any permit, provided to the Public Works Sewer Division;
- ☐ Sewer Permit drawings for paving connections or stubs installed to service vertical development provided to Public Works, in addition to Private Service Lateral Permit Drawings;
- ☐ Documentation of Public Works notified for signal and lighting inspection of pole field layouts (staking), conduits and foundations installed, poles and wiring installed, and head positioning and phasing/detection verification (signals only);
- ☐ For infrastructure within parks: Documentation that Parks Department has been notified of completion status;
- ☐ All applicable operation and maintenance manuals provided to Public Works; and
- ☐ Certificate of Compliance signed and submitted to City by Engineer of Record.

RELEASE OF PERMIT:

Permit No. _____ Council Res. No. _____ Permit Date _____

Release Authorized by _____ Title _____



SHEET INDEX

11/05/24	C0-1A	COVER SHEET
11/05/24	C1-1A	EXISTING CONDITIONS PLAN
11/05/24	C1-2A	EXISTING CONDITIONS STRUCTURE TABLE
11/05/24	C2-1D	SITE PLAN
11/05/24	C3-2A	EROSION CONTROL PLAN- TEMP CONDITION
11/05/24	C3-3A	SWPPP NOTES & DETAILS - TEMP CONDITION
11/05/24	C4-2B	UTILITY PLAN-SANITARY SEWER EXTENSION PROFILE

SUPPLEMENTAL DRAWING INDEX

07/13/23	1 of 2	PRELIMINARY PLAT
07/13/23	2 of 2	PRELIMINARY PLAT
07/13/23	1 of 1	FINAL PLAT

DRAWING INDEX LEGEND

FILLED CIRCLE	INDICATES DRAWING INCLUDED WITHIN THIS ISSUE
XXXXXX	MOST RECENT REVISION NUMBER
XXXXXX	MOST RECENT ISSUE OR REVISION DATE
XXXXXX	# SHEET TITLE

VICINITY MAP



LEGEND

EXISTING	PROPOSED

PROJECT CONTACTS

OWNER / DEVELOPER	SNELLING-MIDWAY REDEVELOPMENT, LLC 4050 OLSON MEMORIAL HWY 295 MINNEAPOLIS, MN 55422	T (763) 331-8777
CIVIL ENGINEER	LOUCKS 7200 HEMLOCK LANE SUITE 300 MAPLE GROVE, MN 55369	JEFF SHOPEK, PE T (763) 496-6715
LANDSCAPE ARCHITECT	POPULOUS 4800 MIAN ST. STE. 300 KANSAS CITY, MO 64112	JUSTIN COX, LA T (816) 221-1500
LAND SURVEYOR	LOUCKS 7200 HEMLOCK LANE SUITE 300 MAPLE GROVE, MN 55369	MAX STANISLOWSKI, PLS T (763) 496-6762

PROJECT BENCHMARK

- The bearings for this survey are based on the Plat of MLS SOCCER REDEVELOPMENT.
- Site Benchmark #1: Top nut of hydrant located on east side of Snelling Ave. approx. 340 feet south of University Ave. W., as shown hereon.
Elevation = 228.12 Feet (City of Saint Paul Datum)
- Site Benchmark #2: Top nut of hydrant located on west side of Pascal St. approx. 80 feet south of University Ave. W., as shown hereon.
Elevation = 229.99 Feet (City of Saint Paul Datum)

UNITED VILLAGE
SANITARY
SEWER
EXTENSION

ST. PAUL, MINNESOTA

SNELLING-MIDWAY
REDEVELOPMENT, LLC

4050 OLSON MEMORIAL HWY 295
MINNEAPOLIS, MN 55422

LOUCKS

PLANNING
CIVIL ENGINEERING
LAND SURVEYING
LANDSCAPE ARCHITECTURE
ENVIRONMENTAL

7200 Hemlock Lane, Suite 300
Maple Grove, MN 55369
763.424.5505
www.loucksinc.com

CADD QUALIFICATION

CADD files prepared by the Consultant for this project are prepared by the Consultant's professional services for use solely with respect to this project. These CADD files shall not be used on other projects, for additions to this project, or for completion of this project by others without written approval by the Consultant. With the Consultant's approval, others may be permitted to obtain copies of the CADD drawing files for information and reference only. All intentional or unintentional revisions, additions, or deletions to these CADD files shall be made in the full file of the party making such revisions, additions or deletions and the user shall hold harmless and indemnify the Consultant from any & all responsibilities, claims, and liabilities.

SUBMITTAL/REVISIONS

10/02/24	PERMIT SUBMITTAL
10/08/24	CITY COMMENTS
10/15/24	CITY COMMENTS
11/05/24	CITY COMMENTS

PROFESSIONAL SIGNATURE

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.

Jeffrey A. Shopek - PE
License No. 19624
Date 10/04/24

QUALITY CONTROL

Loucks Project No. 160285
Project Lead JAS
Drawn By TRG
Checked By JJK
Review Date 10/04/24

SHEET INDEX

SEE C0-1 COVER SHEET



CALL BEFORE YOU DIG!

Gopher State One Call

TWIN CITY AREA: 651-454-0002
TOLL FREE: 1-800-252-1166

WARNING:

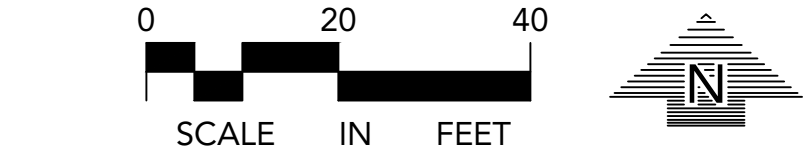
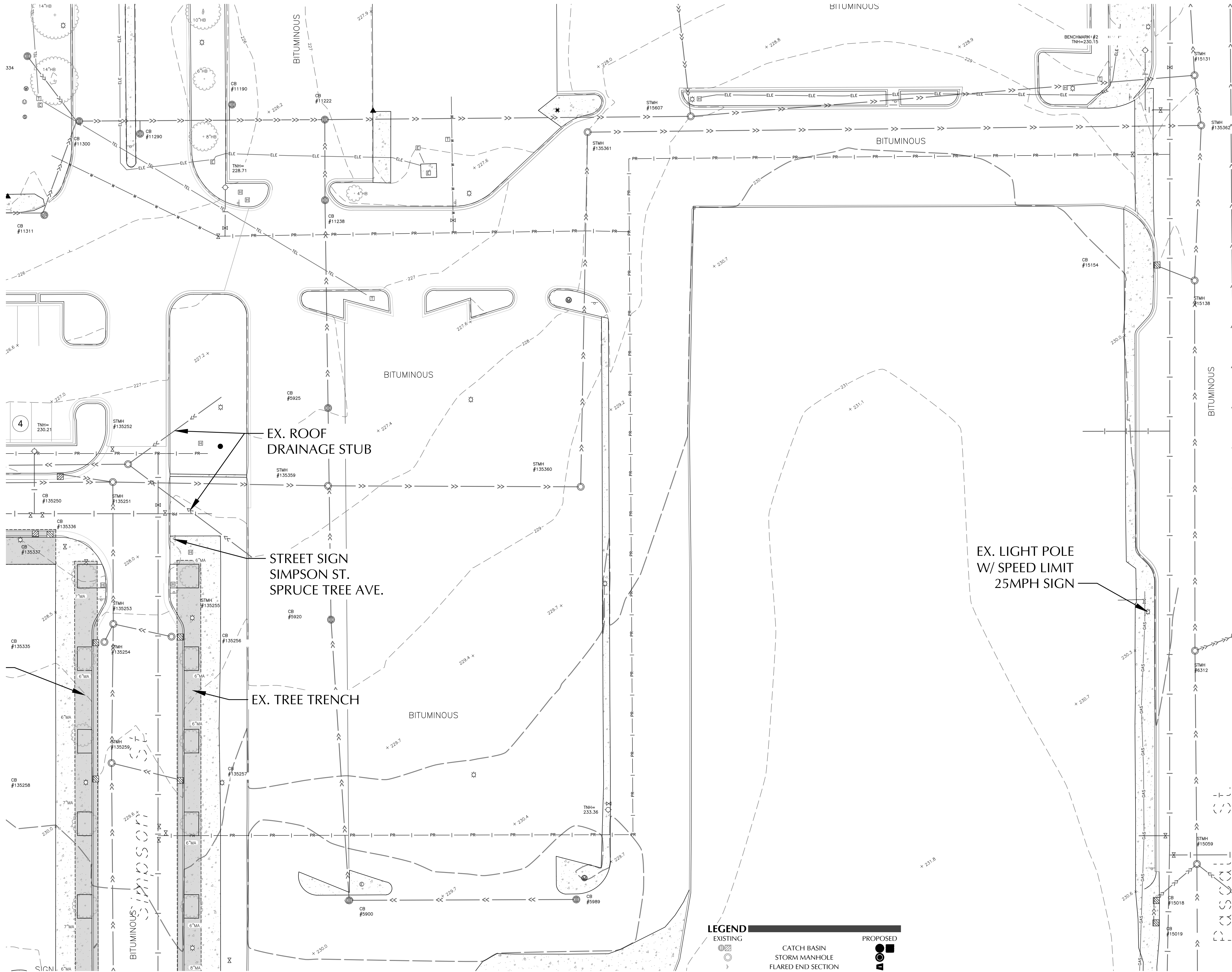
THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR LOCATIONS OF ALL EXISTING UTILITIES. THEY SHALL COOPERATE WITH ALL UTILITY COMPANIES IN MAINTAINING THEIR SERVICE AND / OR RELOCATION OF LINES.

THE CONTRACTOR SHALL CONTACT GOPHER STATE ONE CALL AT 651-454-0002 AT LEAST 48 HOURS IN ADVANCE FOR THE LOCATIONS OF ALL UNDERGROUND WIRES, CABLES, CONDUITS, PIPES, MANHOLES, VALVES OR OTHER BURIED STRUCTURES BEFORE DIGGING. THE CONTRACTOR SHALL REPAIR OR REPLACE THE ABOVE WHEN DAMAGED DURING CONSTRUCTION AT NO COST TO THE OWNER.

COVER SHEET

C0-1

Plotted: 11/05/2024 12:29 PM W:\2016\160285\CADD\DATA\DWG\160285-C1-1A- EXISTING CONDITIONS PLAN - OVERALL



CALL BEFORE YOU DIG
Gopher State One Call
TWIN CITY AREA: 651-454-0002
TOLL FREE: 1-800-252-1166

WARNING:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR LOCATIONS OF ALL EXISTING UTILITIES. THEY SHALL COOPERATE WITH ALL UTILITY COMPANIES IN MAINTAINING THEIR SERVICE AND / OR RELOCATION OF LINES.

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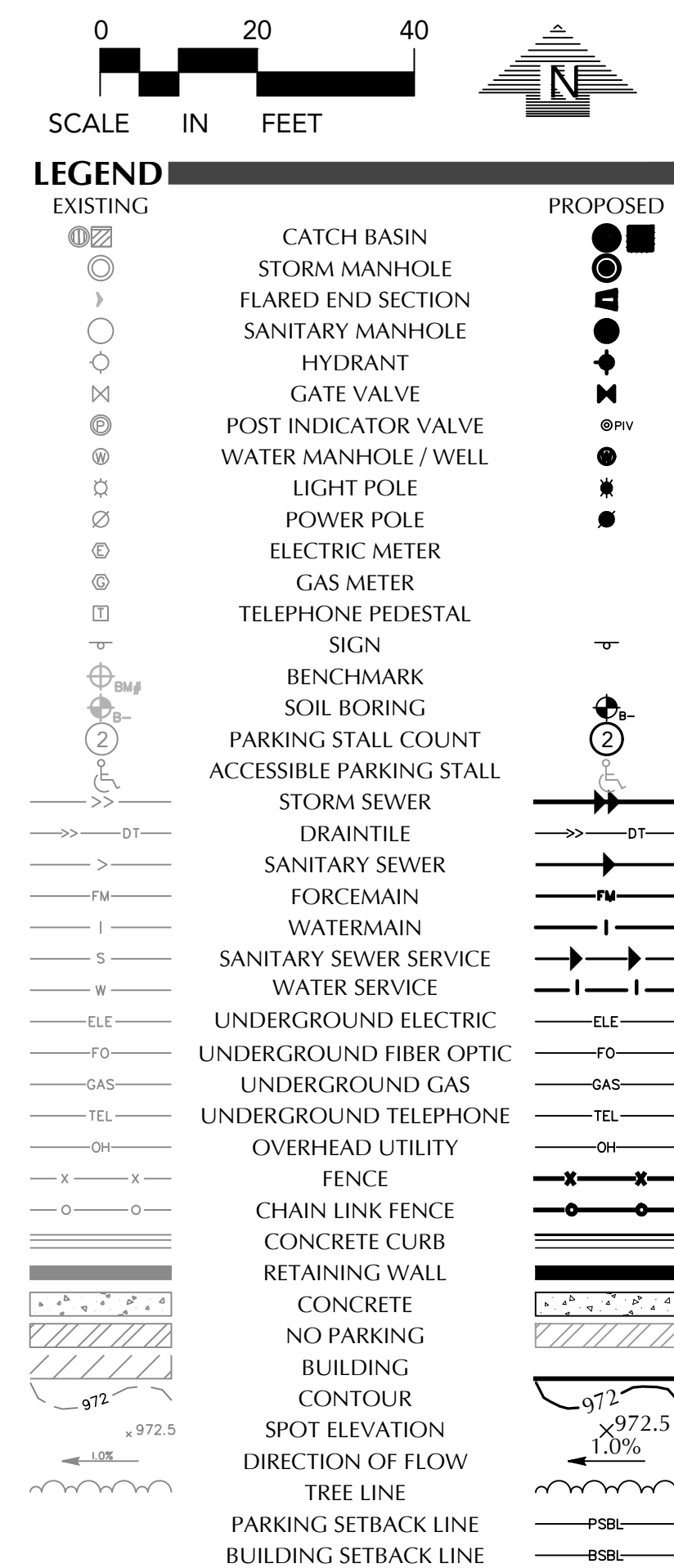
LEGEND

EXISTING

- CATCH BASIN
- STORM MANHOLE
- FLARED END SECTION
- SANITARY MANHOLE
- HYDRANT
- GATE VALVE
- POST INDICATOR VALVE
- WATER MANHOLE / WELL
- LIGHT POLE
- POWER POLE
- ELECTRIC METER
- GAS METER
- TELEPHONE PEDESTAL
- SIGN
- BENCHMARK
- SOIL BORING
- PARKING STALL COUNT
- ACCESSIBLE PARKING STALL
- STORM SEWER
- DRAIN TILE
- SANITARY SEWER
- FORCE MAIN
- WATER MAIN
- SANITARY SEWER SERVICE
- WATER SERVICE
- UNDERGROUND ELECTRIC
- UNDERGROUND FIBER OPTIC
- UNDERGROUND GAS
- UNDERGROUND TELEPHONE
- OVERHEAD UTILITY
- FENCE
- CHAIN LINK FENCE
- CONCRETE CURB
- RETAINING WALL
- CONCRETE
- NO PARKING
- BUILDING
- CONTOUR
- SPOT ELEVATION
- DIRECTION OF FLOW
- TREE LINE
- PARKING SETBACK LINE
- BUILDING SETBACK LINE

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7200 Hemlock Lane, Suite 300
Maple Grove, MN 55369
763.424.5503
www.loucksinc.com

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10/02/24	PERMIT SUBMITTAL
10/08/24	CITY COMMENTS
10/15/24	CITY COMMENTS
11/05/24	CITY COMMENTS

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.

QUALITY CONTROL

Loucks Project No. 160285
Project Lead J.A.

Drawn By TRC

Checked By JDR
Review Date 10/04/24

SHEET INDEX

SEE C0-1 COVER SHEET

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1000

SITE PLAN

TEMPORARY

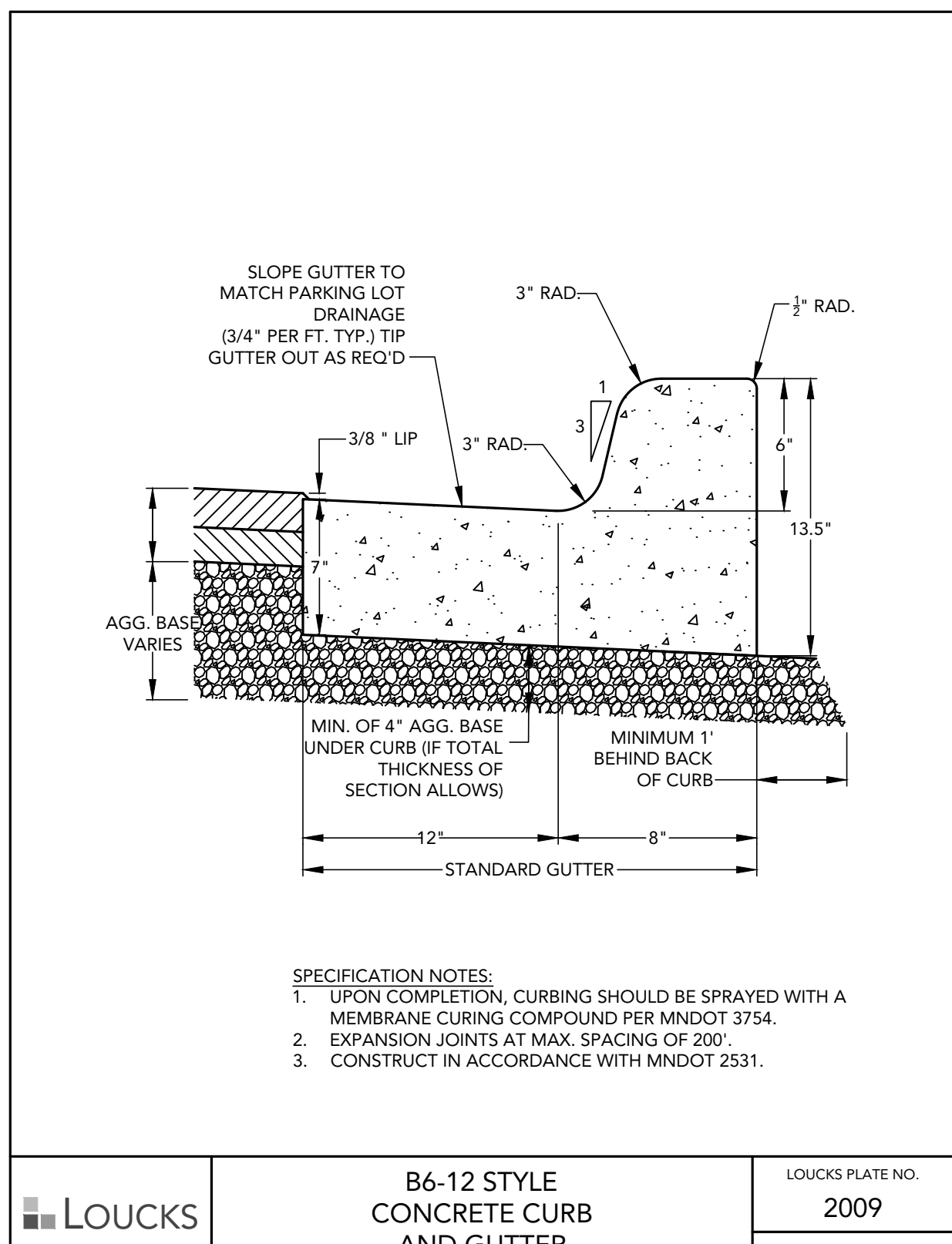
CONDITION

CONDITION

C2 1D

CZ-1D

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1. SEE SHEET C1-1 EXISTING CONDITIONS FOR CITY OF ST. PAUL NOTES.

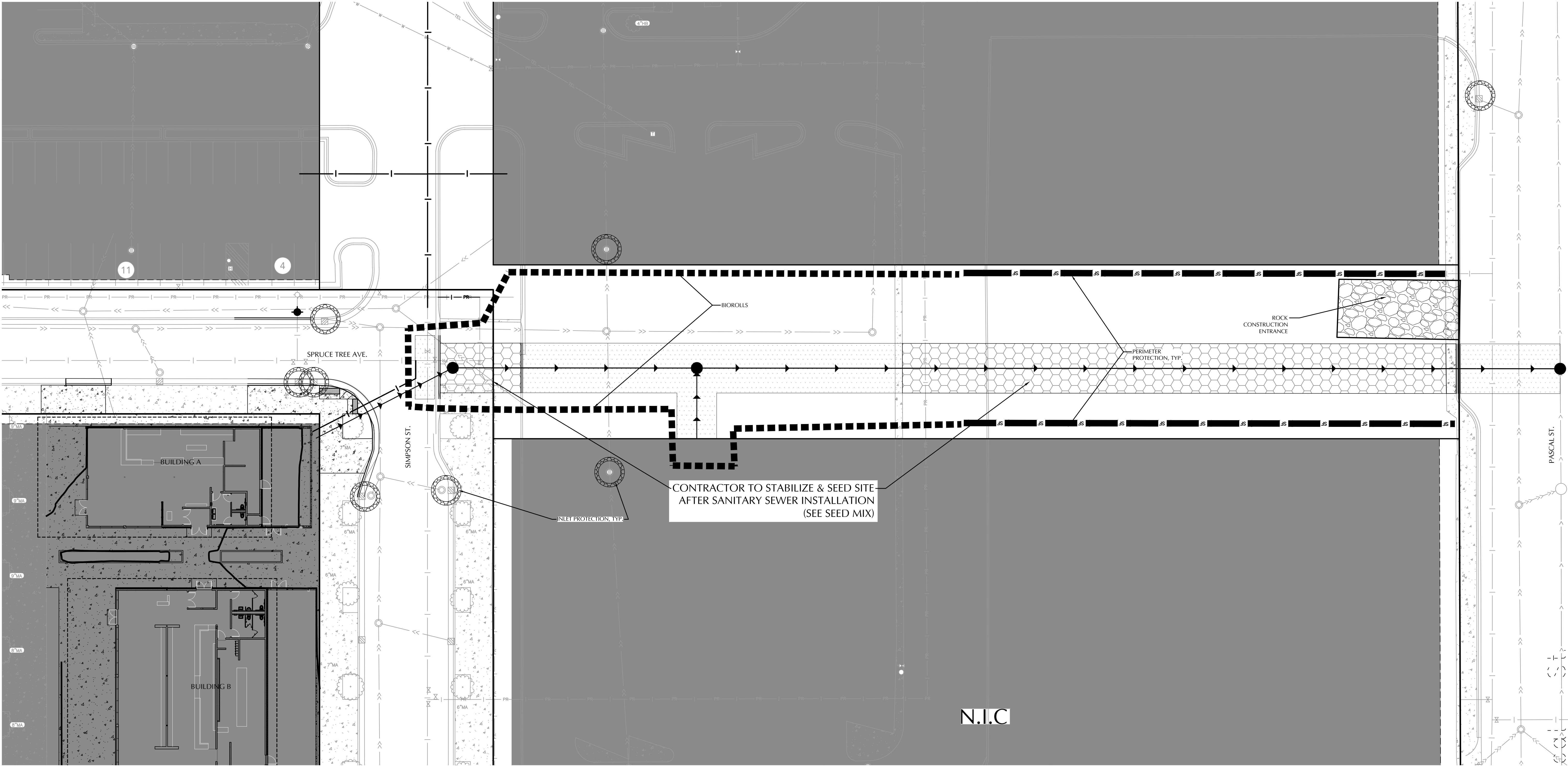
TOP NUT OF FIRE HYDRANT 370 FEET SOUTH OF THE INTERSECTION OF UNIVERSITY
AVENUE AND SNELLING AVENUE ON THE EAST SIDE OF SNELLING
TNH ELEVATION = 228.15
ELEVATIONS SHOWN ARE BASED ON CITY OF ST PAUL DATUM.
CONVERSION FACTOR TO 1929 NGVD, ADD 694.10.



THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR LOCATIONS OF ALL EXISTING UTILITIES. THEY SHALL COOPERATE WITH ALL UTILITY COMPANIES IN MAINTAINING THEIR SERVICE AND / OR RELOCATION OF LINES.

THE CONTRACTOR SHALL CONTACT GOPHER STATE ONE CALL AT 651-454-0002 AT LEAST 48 HOURS IN ADVANCE FOR THE LOCATIONS OF ALL UNDERGROUND WIRES, CABLES, CONDUITS, PIPES, MANHOLES, VALVES OR OTHER BURIED STRUCTURES BEFORE DIGGING. THE CONTRACTOR SHALL REPAIR OR REPLACE THE ABOVE WHEN DAMAGED DURING CONSTRUCTION AT NO COST TO THE OWNER.

C2-1D



0 20 40
SCALE IN FEET

LEGEND

EXISTING

- CATCH BASIN
- STORM MANHOLE
- FLARED END SECTION
- SANITARY MANHOLE
- HYDRANT
- GATE VALVE
- POST INDICATOR VALVE
- WATER MANHOLE / WELL
- LIGHT POLE
- POWER POLE
- ELECTRIC METER
- GAS METER
- TELEPHONE PEDESTAL
- SIGN
- BENCHMARK
- SOIL BORING
- PARKING STALL COUNT
- ACCESSIBLE PARKING STALL
- STORM SEWER
- DRAIN TILE
- SANITARY SEWER
- FORCE MAIN
- WATER MAIN
- SANITARY SEWER SERVICE
- WATER SERVICE
- UNDERGROUND ELECTRIC
- UNDERGROUND FIBER OPTIC
- UNDERGROUND GAS
- UNDERGROUND TELEPHONE
- OVERHEAD UTILITY
- FENCE
- CHAIN LINK FENCE
- CONCRETE CURB
- RETAINING WALL
- CONCRETE
- NO PARKING
- BUILDING
- CONTOUR
- SPOT ELEVATION
- DIRECTION OF FLOW
- TREE LINE
- PARKING SETBACK LINE
- BUILDING SETBACK LINE

PROPOSED

- CONTRACTOR TO STABILIZE & SEED SITE AFTER SANITARY SEWER INSTALLATION (SEE SEED MIX)

SWPPP LEGEND

- SILT FENCE
- BIO ROLLS
- INLET PROTECTION

DESCRIPTION	UNIT	QUANTITY
TEMPORARY ROCK CONSTRUCTION ENTRANCE	EA	1
PREFABRICATED CONCRETE WASHOUT	EA	N/A
SILT FENCE (STANDARD)	LF	400
EROSION CONTROL BLANKET	SY	N/A
INLET PROTECTION	EA	6
BIO ROLLS	LF	650

CADD QUALIFICATION

CADD files prepared by the Consultant for this project are prepared by the Consultant professional services for use solely with respect to this project. These CADD files shall not be used on other projects, for additions to this project, or for completion of this project by others without written approval by the Consultant. With the Consultant's approval, others may be permitted to obtain copies of the CADD drawing files for information and reference only. All intentional or unintentional revisions, additions, or deletions to these CADD files shall be made in the full set of the project's drawings and revisions, additions, deletions and the copy shall remain and identify the Consultant from any & all responsibilities, claims, and liabilities.

SUBMITTAL/REVISIONS

10/02/24	PERMIT SUBMITTAL
10/08/24	CITY COMMENTS
10/15/24	CITY COMMENTS
11/05/24	CITY COMMENTS

NOTES:

- PLACE BOTTOM EDGE OF FENCE INTO A IN DEEP TRENCH AND BACKFILL IMMEDIATELY.
- POSTS SHALL BE:
 - 2 IN. X 2 IN. HARDWOOD, OR STANDARD STEEL T-TYPE FENCE POSTS.
 - 5 MIN. LENGTH POSTS, DRIVEN 2 FT INTO THE GROUND.
- ATTACH FABRIC TO WOOD POST WITH A MIN. OF 5, 1 INCH LONG STAPLES.
- ATTACH FABRIC TO STEEL POST WITH A MIN. OF 3 ZIP TIES IN TOP 8 INCHES OF FABRIC.

GEOTEXTILE FABRIC PER MNDOT 3856

LOUCKS

SILT FENCE

LOUCKS PLATE NO. 3000

DRAWN 2/2016

ROCK ENTRANCE TO CONSTRUCTION SITE

LOUCKS

LOUCKS PLATE NO. 3004

DRAWN 2/2016

BIOROLL DITCH CHECK

LOUCKS

LOUCKS PLATE NO. 3007

DRAWN 2/2016

TYPE 7A AND 7B CATCH BASIN (2' X 3')

OPTION 1

OPTION 2

TYPE 5A AND 6A CATCH BASIN (2' X 2')

OPTION 1

OPTION 2

TYPE 2A, 3B, AND 3C CATCH BASIN (ROUND)

OPTION 1

OPTION 2

TEMPORARY SEDIMENT CONTROL

STANDARD PLATE NO. 2400A

AREA DRAINS AND INTERIM CONDITIONS

OPTION 1

OPTION 2

OPTION 3

OPTION 4

OPTION 5

OPTION 6

TEMPORARY SEDIMENT CONTROL

STANDARD PLATE NO. 2400A

PROFESSIONAL SIGNATURE

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.

Jeffrey A. Stoppel - PE
Date 10/04/24
License No. 19624

QUALITY CONTROL

Loecks Project No. 160285
Project Lead JAS
Drawn By TRG
Checked By JJK
Review Date 10/04/24

SHEET INDEX

SEE C0-1 COVER SHEET

EROSION CONTROL NOTES

- SEE SHEET C3-3A FOR EROSION CONTROL NOTES.

CITY OF ST. PAUL NOTES

- SEE SHEET C3-1 EXISTING CONDITIONS FOR CITY OF ST. PAUL NOTES.

BENCHMARK

TOP NUT OF FIRE HYDRANT 370 FEET SOUTH OF THE INTERSECTION OF UNIVERSITY AVENUE AND SNELLING AVENUE ON THE EAST SIDE OF SNELLING
TNH ELEVATION = 228.15
ELEVATIONS SHOWN ARE BASED ON CITY OF ST. PAUL DATUM.
CONVERSION FACTOR TO 1929 NGVD, ADD 694.10.

22-111

Two-year Stabilization

Common Name	Scientific Name	Rate (kg/ha)	Rate (lb/ac)	% of Mix (% by wt)	Seeds/ sq ft
slender wheatgrass	<i>Elymus trachycaulus</i>	10.09	9.00	29.50%	22.80
Perennial Ryegrass	<i>Lolium perenne</i>	5.04	4.50	14.76%	22.42
	Total Grasses	15.13	13.50	44.26%	45.22
Alfalfa	<i>Medicago sativa</i>	9.53	8.50	27.86%	44.25
Red Clover	<i>Trifolium pratense</i>	9.53	8.50	27.88%	53.13
	Total Forbs	19.05	17.00	55.74%	97.38
	Totals:	34.19	30.50	100.00%	142.60
Purpose:	One to two year soil stabilization with non-native species				
Planting Area:	Statewide				

Straw Mulch

There are four types of mulch in MnDOT spec that consist of straw or similar material.

Type 1 Mulch

Sometimes used on MnDOT projects for temporary and permanent stabilization, Type 1 mulch is grain straw, hay, or cuttings from agricultural grasses and legumes. It must be free from noxious weeds as well as cattails, reed canary grass, birdfoot trefoil, and queen anne's lace. Certification is not required and there is no approved products list for Type 1 mulch.



CALL BEFORE YOU DIG!

Gopher State One Call

TWIN CITY AREA: 651-454-0002
TOLL FREE: 1-800-252-1166

WARNING:

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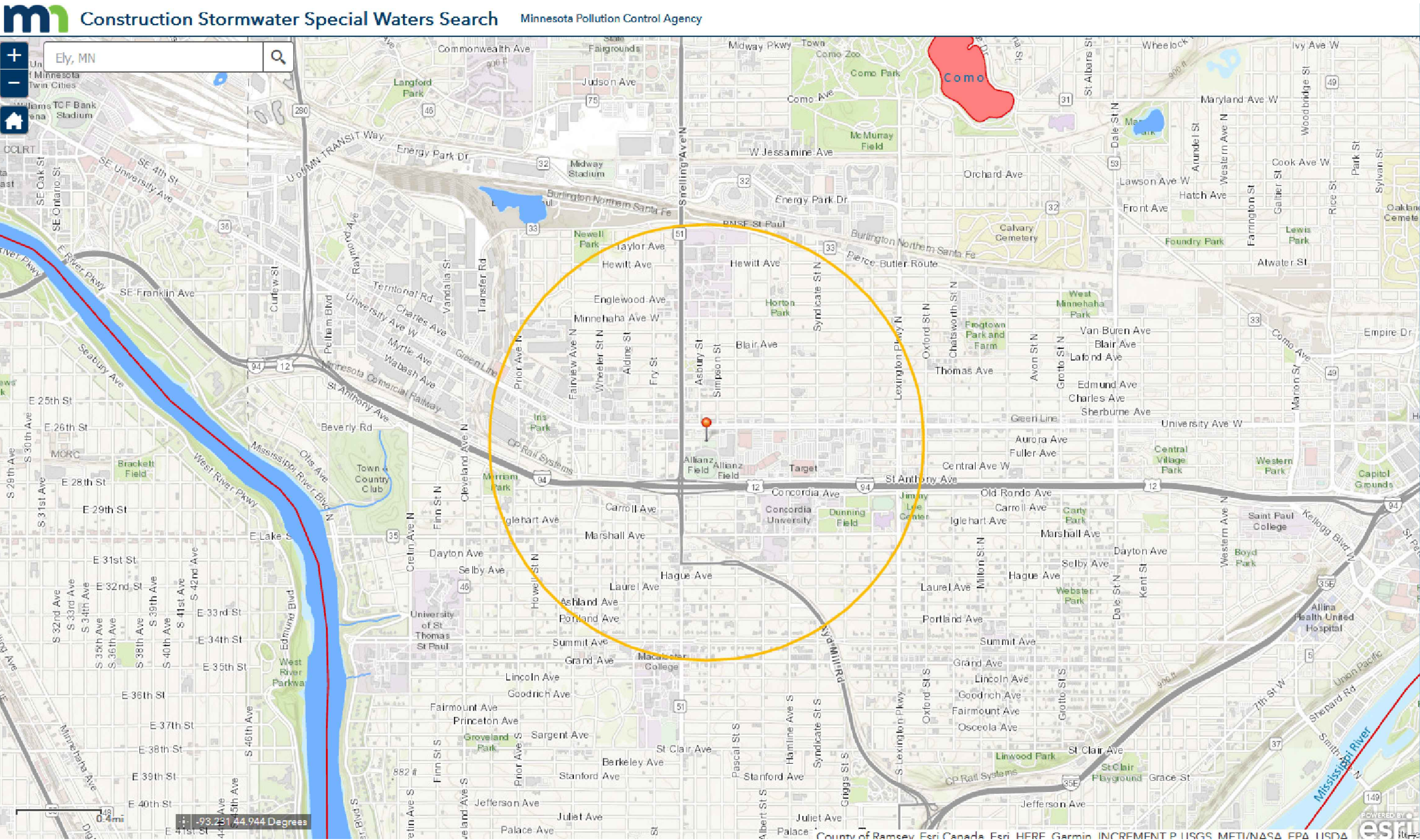
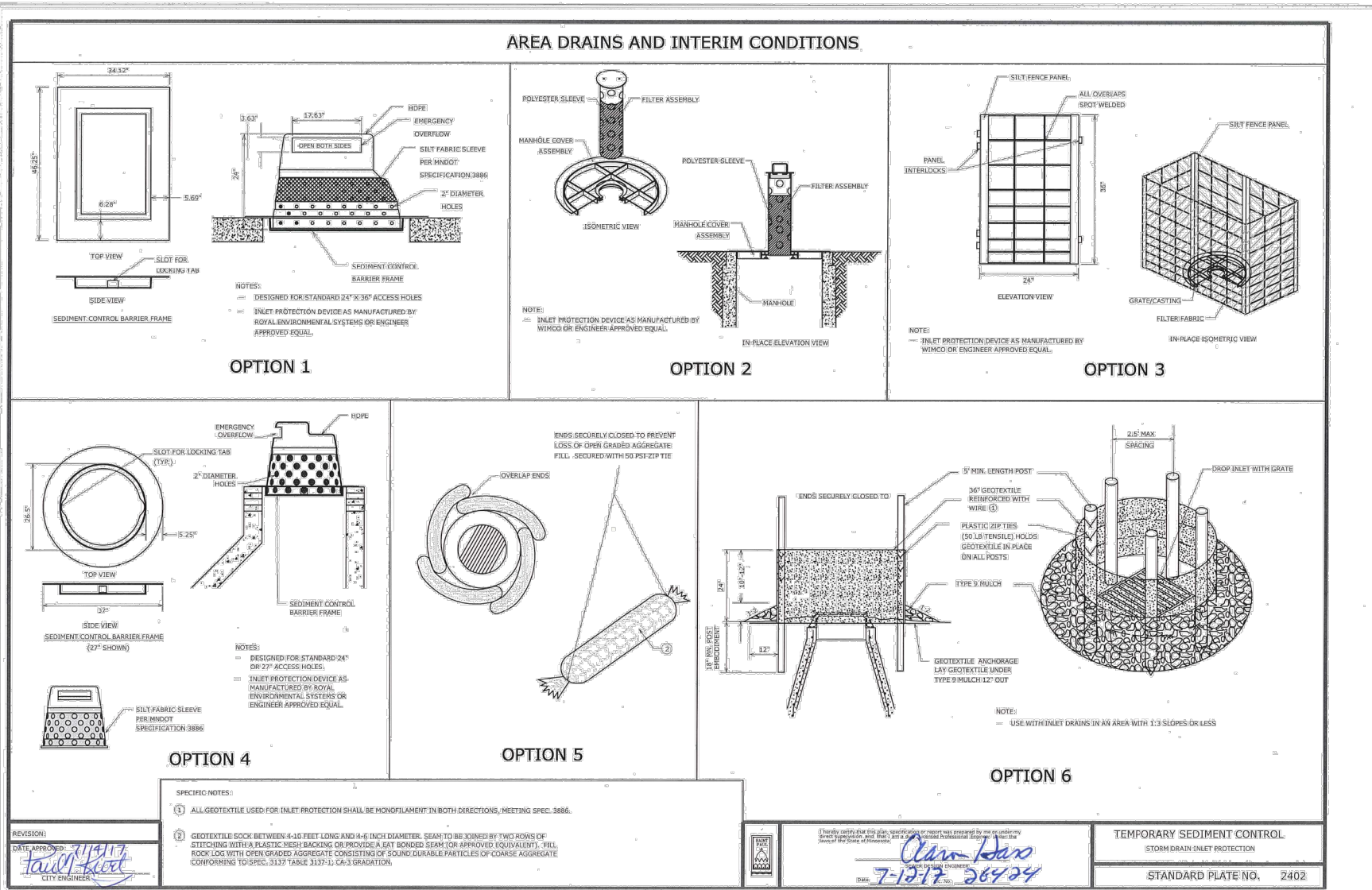
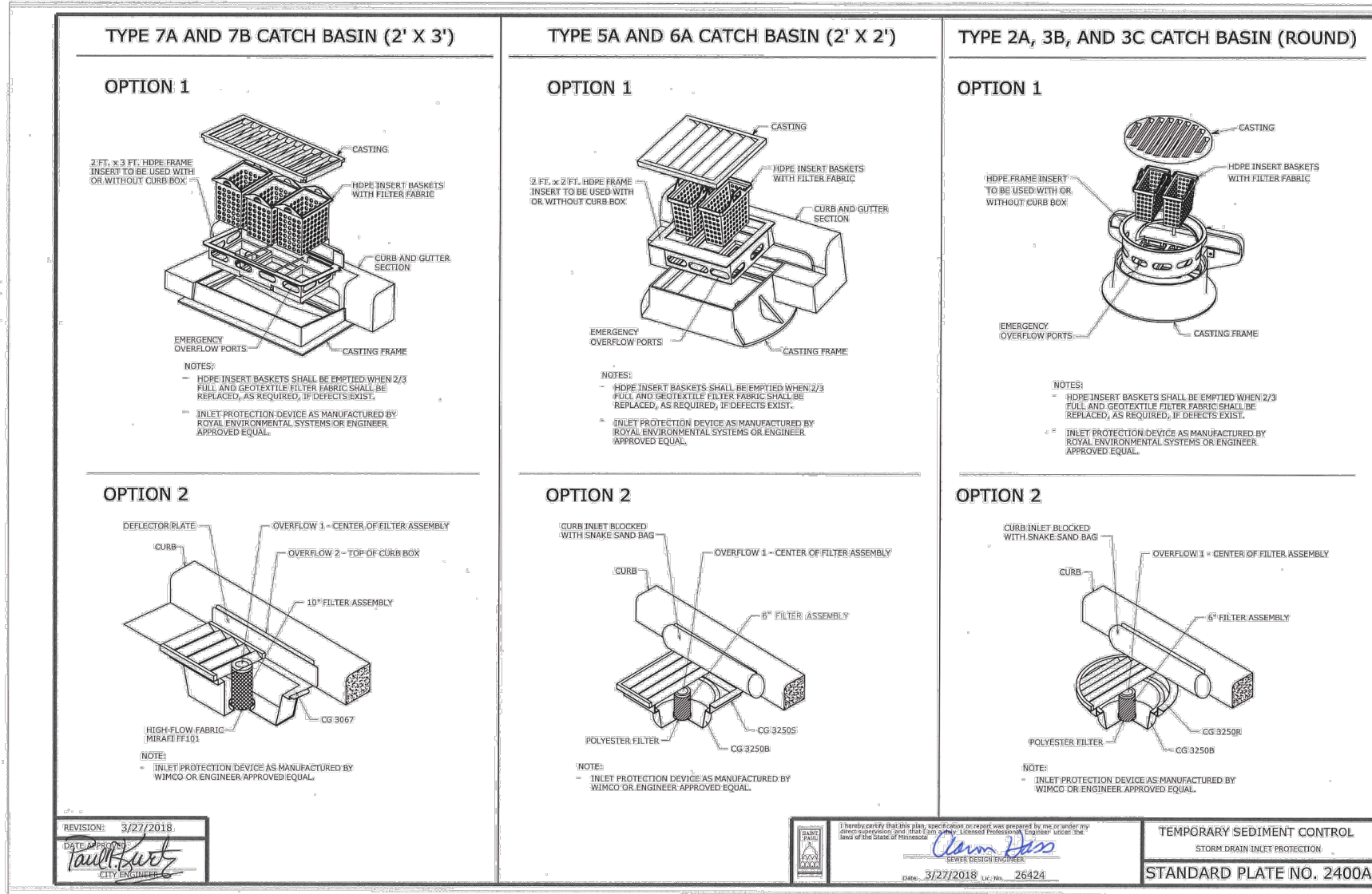
EROSION CONTROL PLAN

C3-2A

SWPPP NOTES

1. THE NATURE OF THIS PROJECT WILL CONSIST OF CONSTRUCTING A SANITARY SEWER EXTENSION, AND SURFACE PAVEMENTS REMOVAL & REPLACEMENT.
2. THE INTENDED SEQUENCING OF MAJOR CONSTRUCTION ACTIVITIES ARE AS FOLLOWS:
- A. INSTALL VEHICLE TRACKING BMP
- B. INSTALL INLET PROTECTION
- C. INSTALL SILT FENCE AROUND SITE
- D. CLEAR AND GRUB SITE
- E. STRIP AND STOCKPILE TOPSOIL
- F. REMOVE PAVEMENTS AND UTILITIES
- G. ROUGH GRADE SITE
- H. INSTALL UTILITIES
- I. INSTALL CURB AND GUTTER
- J. INSTALL PAVEMENTS AND WALKS
- K. FINAL GRADE SITE
- L. REMOVE ACCUMULATED SEDIMENT FROM STORMWATER SYSTEMS
- M. SEED AND MULCH
- N. WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED, REMOVE SILT FENCE, INLET PROTECTION, AND RESEED ANY AREAS DISTURBED BY THE REMOVAL.
3. SITE DATA:
DISTURBED AREA: 0.22 AC
- GENERAL SOIL TYPE: SEE GEOTECHNICAL SOIL BORINGS BY BRAUN INTERTEC
- HYDROLOGY INFORMATION: SEE HYDROLOGY REPORT PREPARED BY LOUCKS
4. EROSION AND SEDIMENT CONTROLS WERE DESIGNED TO EFFECTIVELY CONTROL STORMWATER RUNOFF WITHIN THE PROJECT AREAS. EROSION AND SEDIMENT CONTROL HAVE BEEN PROPOSED TO MINIMIZE CHANNEL EROSION AND SCOUR IN THE IMMEDIATE VICINITY OF DISCHARGE POINTS. FACTORS THAT WERE CONSIDERED INCLUDE PROPOSED IMPERVIOUS AREAS, SLOPE OF IMPERVIOUS SURFACES, STORMWATER INFRASTRUCTURE DISCHARGE POINTS, AND ANNUAL AVERAGE PRECIPITATION DATA FOR THE PROJECT AREA.
5. A GENERAL STORM WATER PERMIT FOR CONSTRUCTION ACTIVITY FROM THE MINNESOTA POLLUTION CONTROL AGENCY IS REQUIRED. NO LAND DISTURBANCE ACTIVITY FOR THE PROJECT IS ALLOWED, UNTIL THIS PERMIT IS OBTAINED AND IS IN ADDITION TO ANY CITY OR WATERSHED DISTRICT PERMITS REQUIRED.
6. RAMSEY COUNTY RECEIVES AN AVERAGE OF XX INCHES OF PRECIPITATION PER YEAR. THE FOLLOWING RAMSEY COUNTY 24-HOUR STORM EVENTS ARE BASED ON ATLAS 14 RAINFALL DATA:
2-YR 2.81 INCHES
10-YR 4.19 INCHES
100-YR 7.36 INCHES
7. THE LOCATION OF AREAS NOT TO BE DISTURBED MUST BE IDENTIFIED WITH FLAGS, STAKES, SILT FENCE, ETC. BEFORE CONSTRUCTION BEGINS.
8. CONTRACTOR SHALL INSTALL RAIN GAUGE ON SITE.
9. REFER TO GEOTECHNICAL REPORT FOR GROUNDWATER CONDITIONS AND DETWATERING RECOMMENDATIONS. IF DEWATERING IS REQUIRED, REFER TO CITY REGULATIONS.
10. REFER TO GEOTECHNICAL REPORT FOR INFORMATION RELATED TO SOIL CONTAMINATION, IF APPLICABLE.
11. ALL DISTURBED GROUND LEFT INACTIVE FOR SEVEN (7) OR MORE DAYS SHALL BE STABILIZED BY SEEDING WITH MULCHING OR SODDING (ONLY AVAILABLE PERIOD TO SEPTEMBER 15) OR BY MULCHING OR COVERING OR OTHER EQUIVALENT CONTROL MEASURE.
12. ON SLOPES 3:1 OR GREATER MAINTAIN SHEET FLOW AND MINIMIZE RILLS AND/OR GULLIES. SLOPE LENGTHS CAN NOT BE GREATER THAN 75 FEET.
DENOTES SLOPES GREATER THAN 3:1. ALL 3:1 SLOPES TO BE STABILIZED WITH EROSION CONTROL BLANKET
13. ALL STORM DRAINS AND INLETS MUST BE PROTECTED UNTIL ALL SOURCES OF POTENTIAL DISCHARGE ARE STABILIZED.
14. SOIL COMPACTION SHALL BE MINIMIZED DURING CONSTRUCTION.
15. TEMPORARY SOIL STOCKPILES MUST HAVE EFFECTIVE SEDIMENT CONTROL AND CAN NOT BE PLACED IN SURFACE WATERS OR STORM WATER CONVEYANCE SYSTEMS. TEMPORARY STOCKPILES WITHOUT SIGNIFICANT AMOUNT OF SILT, CLAY, OR ORGANIC COMPOUNDS ARE EXEMPT EX: CLEAN AGGREGATE STOCK PILES, DEMOLITION CONCRETE STOCKPILES, SAND STOCKPILES.
16. SEDIMENT CONTROL PRACTICES SHALL BE INSTALLED ON ALL DOWNGRADIENT PERIMETERS AND UPGRADIENT OF ANY BUFFER ZONES.
17. SEDIMENT LADEN WATER MUST BE DISCHARGED TO A SEDIMENTATION BASIN WHENEVER POSSIBLE. IF NOT POSSIBLE, IT MUST BE TREATED WITH THE APPROPRIATE BMP'S.
18. SOLID WASTE MUST BE DISPOSED OF PROPERLY AND MUST COMPLY WITH MPICA DISPOSAL REQUIREMENTS.
19. NO VEHICLE WASHING ALLOWED ON SITE.
20. NO ENGINE DEGREASING IS ALLOWED ON SITE.
21. THE OWNER IS RESPONSIBLE FOR COMPLIANCE WITH ALL TERMS AND CONDITIONS OF THE PERMIT. THE OPERATOR IS RESPONSIBLE FOR COMPLIANCE WITH SECTIONS 3, 4, 6-22, 24 AND APPLICABLE REQUIREMENTS FOR CONSTRUCTION ACTIVITY IN SECTION 23.
22. TERMINATION OF COVERAGE-PERMITTEE(S) WISHING TO TERMINATE COVERAGE MUST SUBMIT A NOTICE OF TERMINATION (NOT) TO THE MPICA. ALL PERMITTEE(S) MUST SUBMIT A NOT WITHIN 30 DAYS AFTER THE FOLLOWING CONDITIONS HAVE BEEN MET:
- A. PERMIT TERMINATION CONDITIONS, PER NPDES PERMIT SECTION 13.1 HAVE BEEN ACHIEVED ON ALL PORTIONS OF THE SITE FOR WHICH THE PERMITTEE IS RESPONSIBLE.
- A.A. PERMANENT UNIFORM PERENNIAL VEGETATIVE COVER MUST BE ESTABLISHED AT 70% DENSITY OF ITS EXPECTED FINAL GROWTH.
- A.B. THE PERMANENT STORMWATER TREATMENT SYSTEM IS CONSTRUCTED, MEETS ALL REQUIREMENTS, AND IS OPERATING AS DESIGNED.
- A.C. ALL TEMPORARY SYNTHETIC EROSION PREVENTION AND SEDIMENT CONTROL BMP'S MUST BE REMOVED.
- A.D. CLEAN OUT SEDIMENT FROM CONVEYANCE SYSTEMS AND PERMANENT STORMWATER TREATMENT SYSTEMS (RETURN TO DESIGN CAPACITY).
23. INSPECTIONS
- A. INITIAL INSPECTION FOLLOWING SILT FENCE INSTALLATION BY CITY REPRESENTATIVE IS REQUIRED.
- B. EXPOSED SOIL AREAS: ONCE EVERY 7 DAYS AND WITHIN 24 HOURS FOLLOWING A 0.5" OVER 24 HOUR RAIN EVENT.
- C. STABILIZED AREAS: ONCE EVERY 30 DAYS
- D. FROZEN GROUND: AS SOON AS RUNOFF OCCURS OR PRIOR TO RESUMING CONSTRUCTION.
- E. INSPECTION AND MAINTENANCE RECORDS MUST BE RETAINED FOR 3 YEARS AFTER FILING OF THE NOTICE OF TERMINATION AND MUST INCLUDE: DATE AND TIME OF ACTION, NAME OF PERSON(S) CONDUCTING WORK, FINDING-OF-INSPECTIONS AND RECOMMENDATIONS FOR CORRECTIVE

- ACTION, DATE AND AMOUNT OF RAINFALL EVENTS GREATER THAN 0.5 INCHES IN A 24 HOUR PERIOD.
- F. OBSERVE ANY DISCHARGE OCCURRING ONSITE AND DOCUMENT CORRECTIVE ACTIONS TAKEN. DISCHARGE SHOULD BE DESCRIBED AND PHOTOGRAPHED.
24. MINIMUM MAINTENANCE
- A. ALL NONFUNCTIONAL BMP'S MUST BE REPAIRED, REPLACED, OR SUPPLEMENTED WITH FUNCTIONAL BMP'S BY THE END OF THE NEXT BUSINESS DAY AFTER DISCOVERY OR AS SOON AS FIELD CONDITIONS ALLOW.
- B. REPAIR, REPLACE, OR SUPPLEMENT ALL PERIMETER CONTROL DEVICES WHEN THEY BECOME NONFUNCTIONAL OR THE SEDIMENT REACHES 1/2 THE HEIGHT OF THE DEVICE.
- C. SEDIMENT BASINS DRAINED AND SEDIMENT REMOVED WHEN REACHES 1/2 STORAGE VOLUME.
- D. SEDIMENT REMOVED FROM SURFACE WATERS WITHIN (7)SEVEN CALENDAR DAYS OF DISCOVERY. CONSTRUCTION SITE EXITS INSPECTED, TRACKED SEDIMENT REMOVED WITHIN (1)ONE CALENDAR DAY.
- F. PROVIDE COPIES OF EROSION INSPECTION RESULTS TO CITY ENGINEER FOR ALL EVENTS GREATER THAN 1/2" IN 24 HOURS.
25. THE SWPPP, INCLUDING ALL CHANGES TO IT, AND INSPECTIONS AND MAINTENANCE RECORDS MUST BE KEPT AT THE SITE DURING CONSTRUCTION ACTIVITY BY THE PERMITTEES WHO HAVE OPERATIONAL CONTROL OF THE SITE.
26. OWNER MUST KEEP RECORDS OF ALL PERMITS REQUIRED FOR THE PROJECT, THE SWPPP, ALL INSPECTIONS AND MAINTENANCE, PERMANENT OPERATION AND MAINTENANCE AGREEMENTS, AND REQUIRED CALCULATIONS FOR TEMPORARY AND PERMANENT STORM WATER MANAGEMENT SYSTEMS. THESE RECORDS MUST BE RETAINED FOR THREE YEARS AFTER FILING NPDES NOTICE OF TERMINATION.
27. SWPPP MUST BE AMENDED WHEN:
- A. THERE IS A CHANGE IN DESIGN, OPERATION, MAINTENANCE, WEATHER OR SEASONAL CONDITIONS THAT HAS A SIGNIFICANT EFFECT ON DISCHARGE
- B. INSPECTIONS INDICATE THAT THE SWPPP IS NOT EFFECTIVE AND DISCHARGE IS EXCEEDING WATER QUALITY STANDARDS.
- C. THE BMP'S IN THE SWPPP ARE NOT CONTROLLING POLLUTANTS IN DISCHARGES OR IS NOT CONSISTENT WITH THE TERMS AND CONDITIONS OF THE PERMIT.
28. CONCRETE WASHOUT AREA
- A. CONCRETE WASH-OUT SITES NOT ALLOWED ON SITE AND MUST BE CONTAINED ON TRUCKS.
- B. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY.
29. IN THE EVENT OF ENCOUNTERING A WELL OR SPRING DURING CONSTRUCTION CONTRACTOR TO CEASE CONSTRUCTION ACTIVITY AND NOTIFY ENGINEER.
30. PIPE OULETS MUST BE PROVIDED WITH TEMPORARY OR PERMANENT ENERGY DISSIPATION WITHIN 24 HOURS AFTER CONNECTION TO A SURFACE WATER.
31. FINAL STABILIZATION
- FINAL STABILIZATION REQUIRES THAT ALL SOIL DISTURBING ACTIVITIES HAVE BEEN COMPLETED AND THAT DISTURBED AREAS ARE STABILIZED BY A UNIFORM PERENNIAL VEGETATIVE COVER WITH 70% OF THE EXPECTED FINAL DENSITY, AND THAT ALL PERMANENT PAVEMENTS HAVE BEEN INSTALLED. ALL TEMPORARY BMP'S SHALL BE REMOVED, DITCHES STABILIZED, AND SEDIMENT SHALL BE REMOVED FROM PERMANENT CONVEYANCES AND SEDIMENTATION BASINS IN ORDER TO RETURN THE POND TO DESIGN CAPACITY.
32. RESPONSIBILITIES
- A. THE OWNER MUST IDENTIFY A PERSON WHO WILL OVERSEE THE SWPPP IMPLEMENTATION AND THE PERSON RESPONSIBLE FOR INSPECTION AND MAINTENANCE:
CONTACT: JUSTIN COLEMAN
COMPANY: BOLANDER
PHONE: 651-592-2293
33. THE WATERSHED DISTRICT OR THE CITY MAY HAVE REQUIREMENTS FOR INSPECTIONS OR AS-BUILT DRAWINGS VERIFYING PROPER CONSTRUCTION OF THE BMP'S.
34. EROSION CONTROL DEVICES CANNOT BE REMOVED UNTIL THE WATERSHED DISTRICT HAS DETERMINED THE SITE HAS BEEN PERMANENTLY RESTABILIZED AND SHALL BE REMOVED WITHIN 30 DAYS THEREAFTER.
35. SILT FENCE OR FABRIC PLACED UNDER THE GRATE IS NOT AN APPROVED FORM OF INLET PROTECTION.
36. REFER TO RESPONSE ACTION PLAN (RAP)/ CONSTRUCTION CONTINGENCY PLAN (CCP) PREPARED BY BRAUN INTERTEC FOR ADDITIONAL INFORMATION.



Find Special Waters Near Dischar...

Search for waters with construction requirements. Enter your permit number or use the Set Location tool to click on your site's discharge locations.

permit number

Show results within (Miles) 1

No results found. Review any near by waters using the measure tools.

22-111		Two-year Stabilization				
Common Name	Scientific Name	Rate (kg/ha)	Rate (lb/ac)	% of Mix (% by wt)	Seeds/ sq ft	
slender wheatgrass	<i>Elymus trachycaulus</i>	10.09	9.00	29.50%	22.80	
Perennial Ryegrass	<i>Lolium perenne</i>	5.04	4.50	14.76%	22.42	
Total Grasses		15.13	13.50	44.26%	45.22	
Alfalfa	<i>Medicago sativa</i>	9.53	8.50	27.86%	44.25	
Red Clover	<i>Trifolium pratense</i>	9.53	8.50	27.88%	53.13	
Total Forbs		19.05	17.00	55.74%	97.38	
Totals:		34.19	30.50	100.00%	142.60	
Purpose:	One to two year soil stabilization with non-native species					
Planting Area:	Statewide					

RECEIVING WATERS

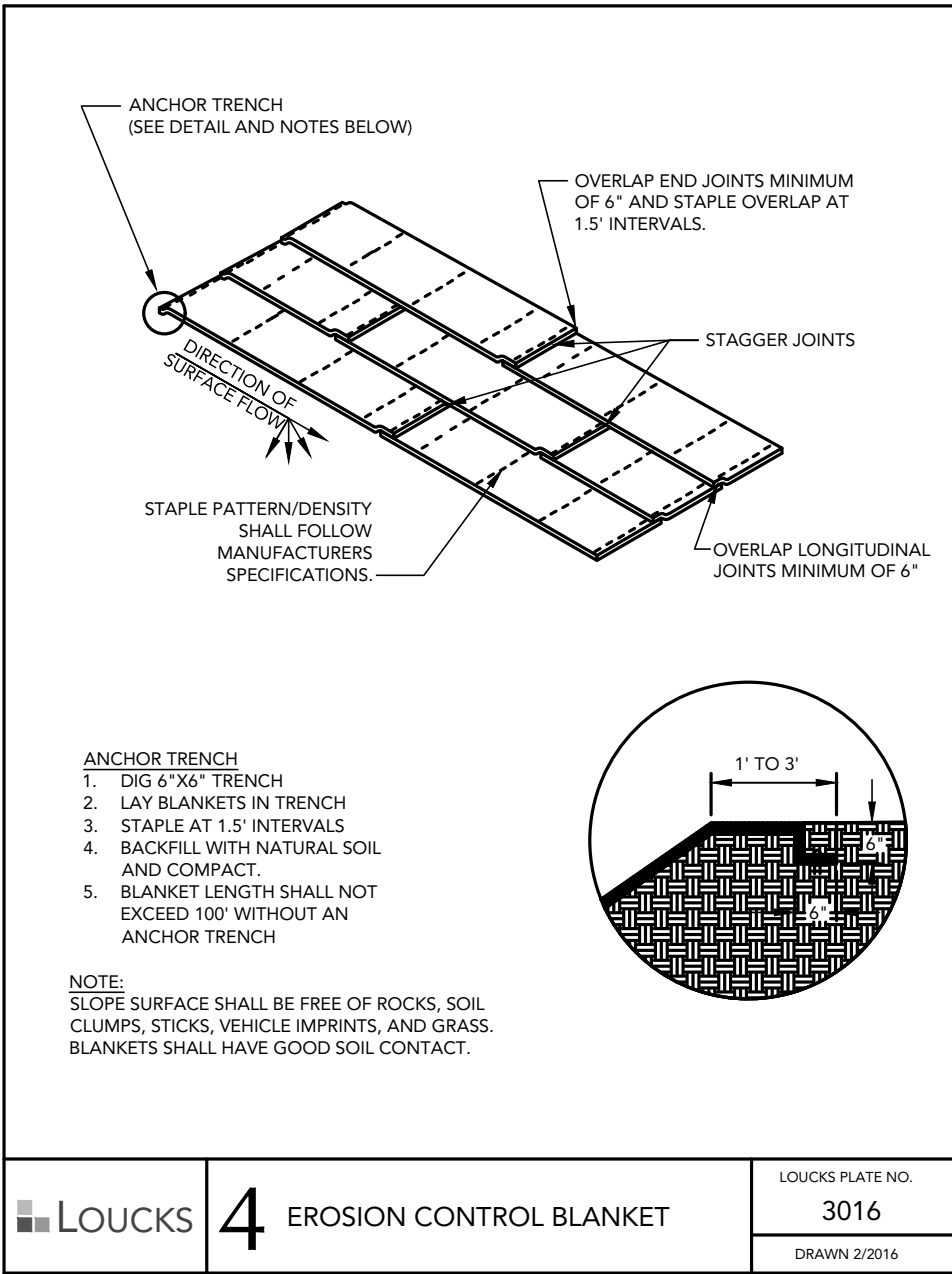
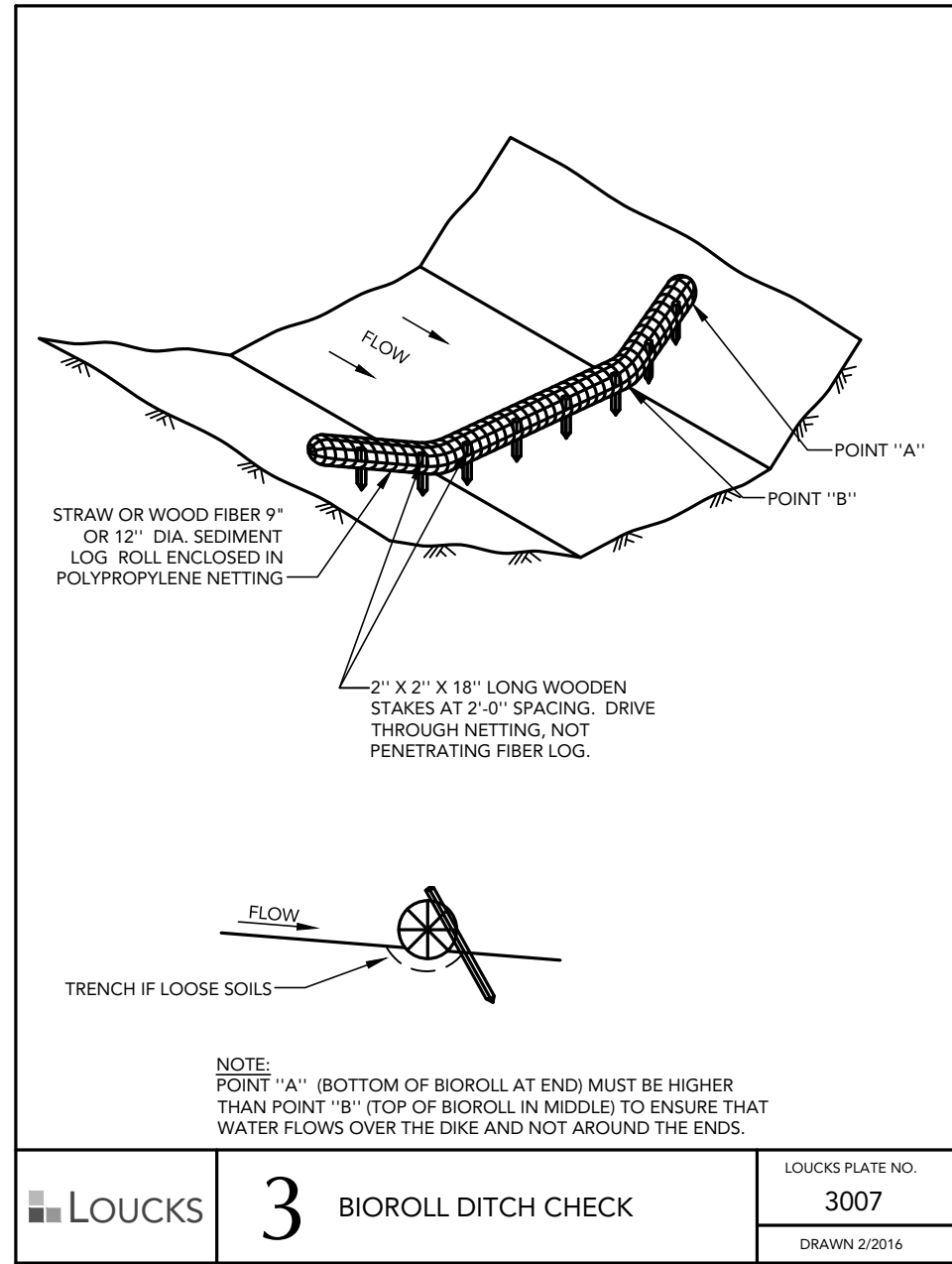
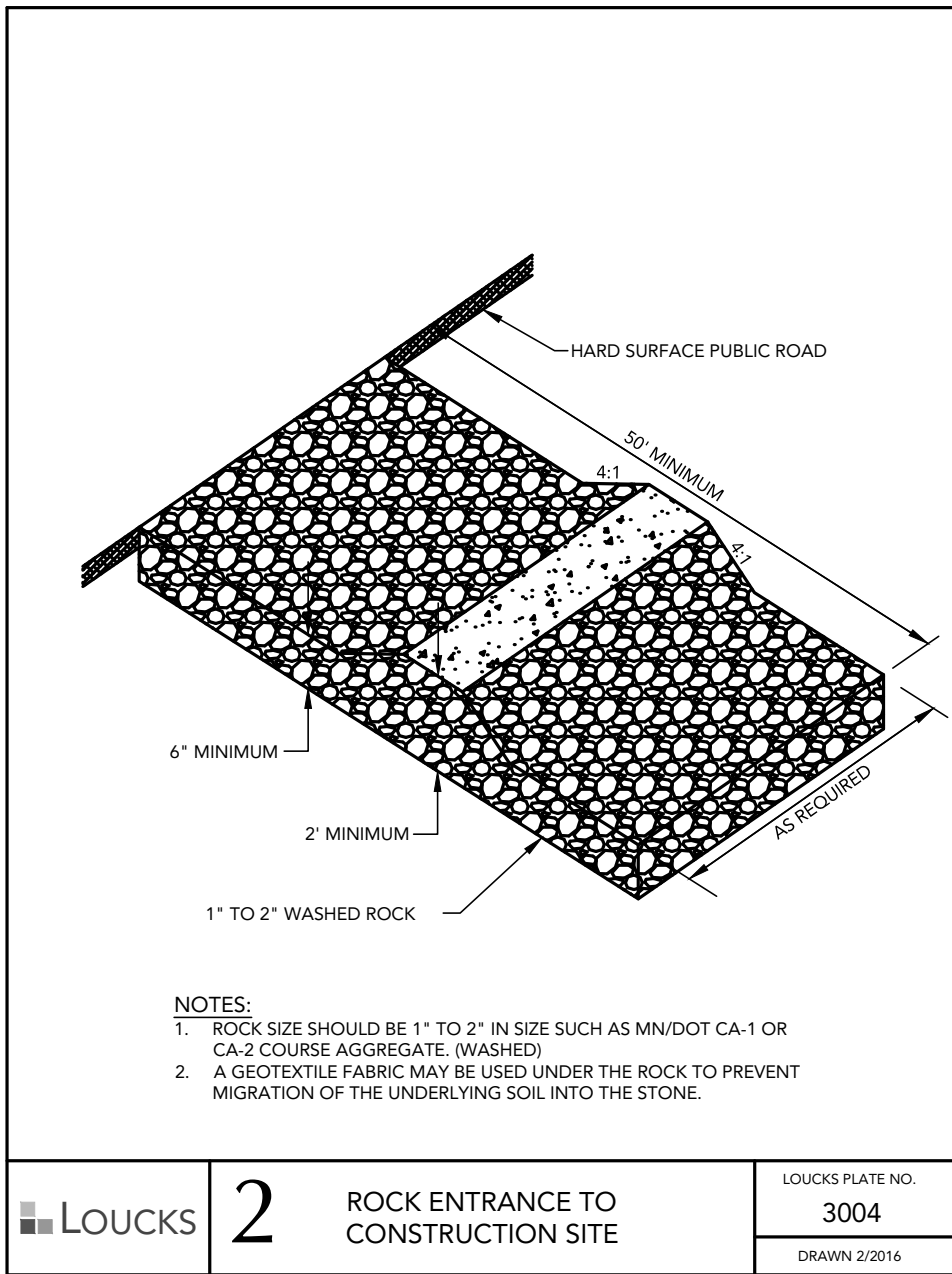
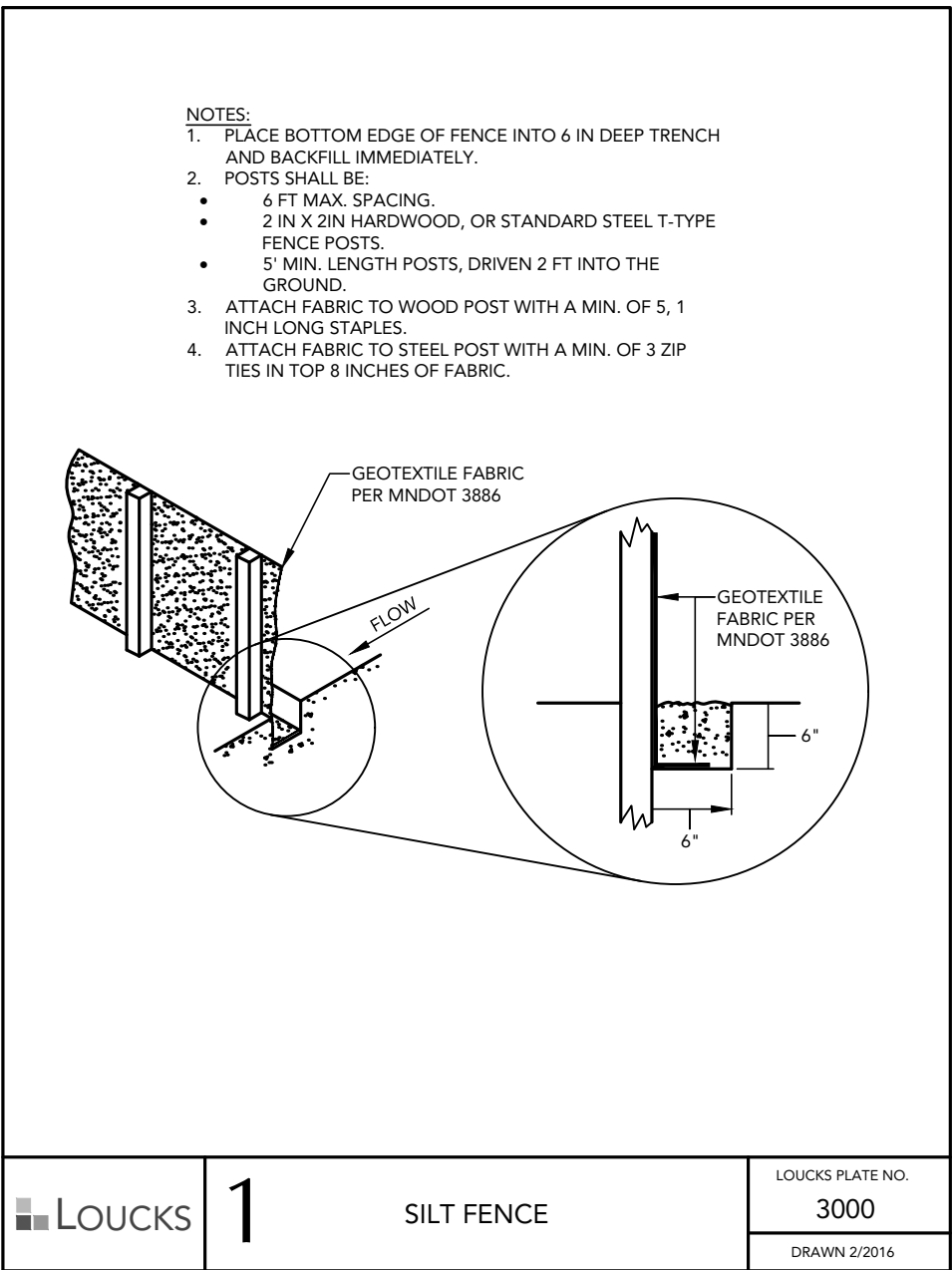
NAME OF WATER BODY	TYPE OF WATER BODY	SPECIAL WATER	IMPAIRED WATER	TYPE OF SPECIAL WATER
NO RECEIVING WATERS	N/A	N/A	N/A	NONE

Straw Mulch

There are four types of mulch in MnDOT spec that consist of straw or similar material.

Type 1 Mulch

Sometimes used on MnDOT projects for temporary and permanent stabilization, Type 1 mulch is grain straw, hay, or cuttings from agricultural grasses and legumes. It must be free from noxious weeds as well as cattails, reed canary grass, birdfoot trefoil, and queen anne's lace. Certification is not required and there is no approved products list for Type 1 mulch.



UNITED VILLAGE SANITARY SEWER EXTENSION

ST. PAUL, MINNESOTA

SNELLING-MIDWAY REDEVELOPMENT, LLC

4050 OLSON MEMORIAL HWY 295
MINNEAPOLIS, MN 55422

LOUCKS

CIVIL ENGINEERING
LAND SURVEYING
LANDSCAPE ARCHITECTURE
ENVIRONMENTAL

7200 Hemlock Lane, Suite 300
Maple Grove, MN 55369
763.424.5505
www.louckscinc.com

CADD QUALIFICATION

CADD files prepared by the Consultant for this project are prepared by the Consultant professional services for use solely with respect to this project. These CADD files shall not be used on other projects, for additions to this project, or for completion of this project for others without written approval by the Consultant. With the Consultant's approval, others may be permitted to obtain copies of the CADD drawing files for information and reference only. All intentional or unintentional revisions, additions, or deletions to these CADD files shall be made in the full set of the project drawings and revisions, additions or deletions and the only valid hold numbers and locations. The Consultant from any & all responsibilities, claims, and liabilities.

SUBMITTAL/REVISIONS

10/02/24	PERMIT SUBMITTAL
10/08/24	CITY COMMENTS
10/15/24	CITY COMMENTS
11/05/24	CITY COMMENTS

PROFESSIONAL SIGNATURE

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.

License No. 19624
Date 10/04/24

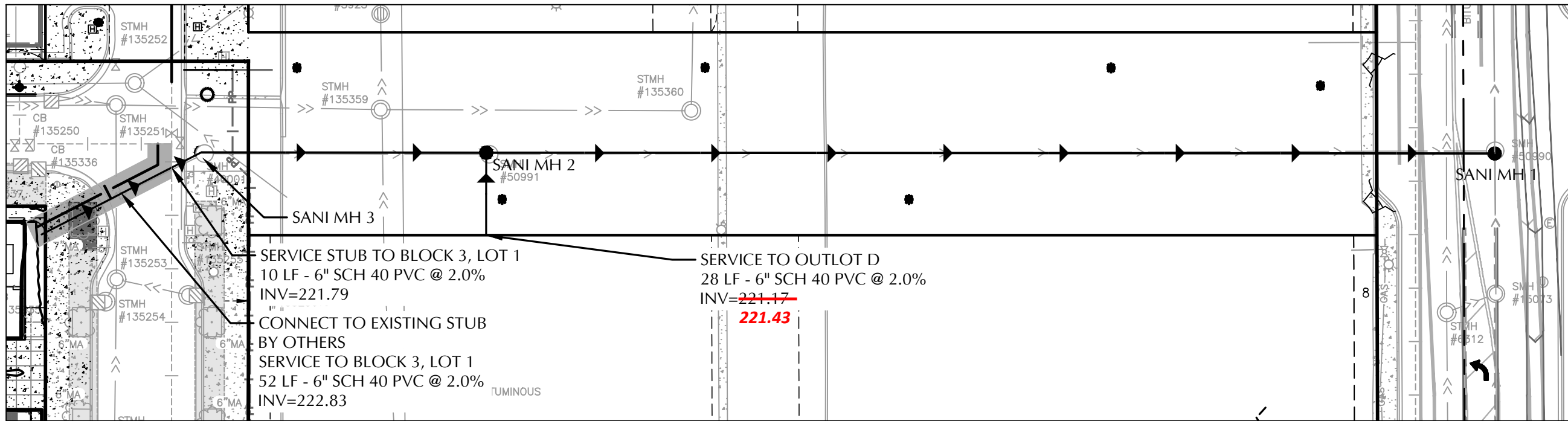
QUALITY CONTROL

Loecks Project No. 160285
Project Lead JAS
Drawn By TRG
Checked By JOK
Review Date 10/04/24

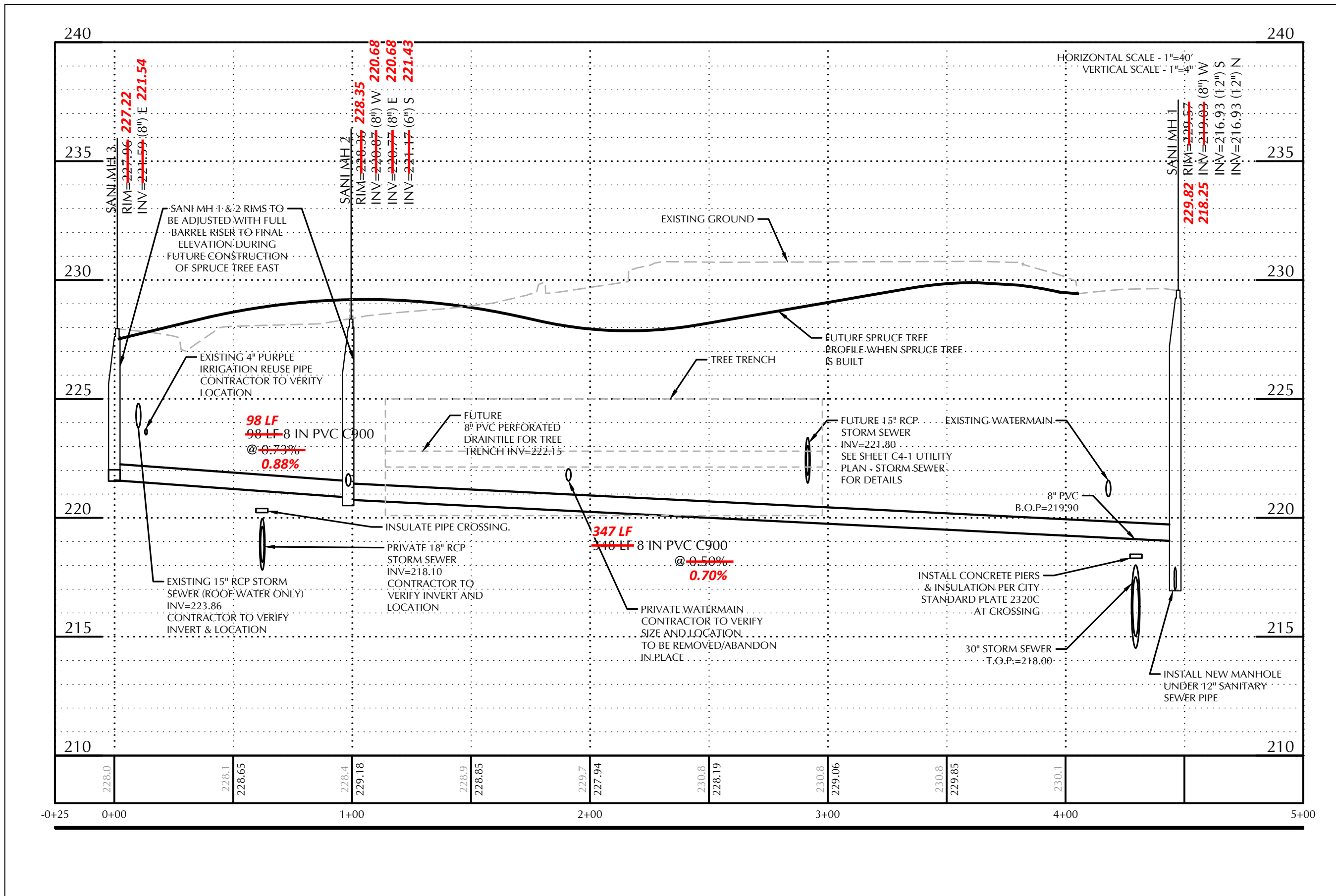
SHEET INDEX

SEE C0-1 COVER SHEET

STORM WATER POLLUTION PREVENTION NOTES & DETAILS



WATER AND SEWER SERVICE IS SHOWN FOR DESIGN PURPOSES ONLY AND IS TO BE INSTALLED WITH THE DEVELOPMENT OF THE PROPERTY (BLOCK 3, LOT 1). ORDINANCE PERMIT WORK INCLUDES EXTENSION TO MH3, 28LF SERVICE STUB AT MH2, AND 10LF - 6" SERVICE STUB AT MH 3



SPRUCE TREE EAST - SANITARY SEWER

GENERAL UTILITY NOTES

- ALL STORM SEWER, SANITARY SEWER AND WATERMAIN UTILITIES SHALL BE FURNISHED AND INSTALLED PER THE REQUIREMENTS OF THE SPECIFICATIONS, THE MINNESOTA PLUMBING CODE, THE LOCAL GOVERNING UNIT, AND THE STANDARD UTILITIES SPECIFICATION OF THE CITY ENGINEERS ASSOCIATION OF MINNESOTA (CEAM), CURRENT EDITION.
- ALL UTILITY PIPE BEDDING SHALL BE COMPACTED SAND OR FINE GRANULAR MATERIAL. ALL COMPACTION SHALL BE PERFORMED PER THE REQUIREMENTS OF THE CEAM SPECIFICATION AND THE GEOTECHNICAL REPORT.
- ALL CONNECTIONS TO EXISTING UTILITIES SHALL BE PERFORMED PER THE REQUIREMENTS OF THE STATE AND LOCAL JURISDICTIONS. THE CITY DEPARTMENT OF ENGINEERING AND BUILDING INSPECTIONS DEPARTMENT AND THE CONSTRUCTION ENGINEER MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO ANY WORK WITHIN THE PUBLIC RIGHT OF WAY, OR WORK IMPACTING PUBLIC UTILITIES.
- ALL SITE UTILITY SERVICES SHALL TERMINATE 5' FROM THE EXTERIOR BUILDING WALL UNLESS OTHERWISE NOTED. THE SITE UTILITY CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR, MECHANICAL CONTRACTOR AND MECHANICAL ENGINEER TO DETERMINE THE RESPONSIBILITY OF BRINGING THE SERVICES INTO THE BUILDING. INSPECTIONS AND TESTING PER APPLICABLE GOVERNING AGENCIES.
- ALL NEW WATERMAIN AND SERVICES MUST HAVE A MINIMUM OF 8.0 FEET OF COVER. EXTRA DEPTH MAY BE REQUIRED TO MAINTAIN A MINIMUM 18" VERTICAL SEPARATION TO SANITARY OR STORM SEWER LINES. THE CONTRACTOR SHALL FIELD ADJUST WATERMAIN TO AVOID CONFLICTS WITH SANITARY SEWER, STORM SEWER, AND SERVICES AS REQUIRED. INSULATION OF WATERMAIN AND SANITARY SEWER LINES SHALL BE PROVIDED WHERE 8.0 FEET MINIMUM DEPTH CAN NOT BE ATTAINED.
- PER MINNESOTA DEPARTMENT OF LABOR & INDUSTRY REQUIREMENTS, A MINIMUM OF 18 INCHES OF VERTICAL SEPARATION AND 10 FEET OF HORIZONTAL SEPARATION IS REQUIRED FROM WATERMAIN TO ANY MANHOLE, SEPTIC SYSTEM, CATCH BASIN, SEWER PIPE, OR OTHER SOURCE OF CONTAMINATION, MEASURED FROM THE OUTER EDGE OF THE PIPE TO THE OUTER EDGE OF THE CONTAMINATION SOURCE UNLESS OTHERWISE SHOWN.
- ALL STORM SEWER DOWNPOUT COLLECTION PIPES AND VYVES SHALL BE PVC (SCHEDULE 40).
- CONTRACTOR TO SUBMIT SHOP DRAWINGS OF SANITARY & STORM STRUCTURE(S) AND UNDERGROUND SYSTEM(S) FOR ENGINEER'S REVIEW.
- CONTRACTOR TO VERIFY UNDERLYING SOILS BENEATH ALL STORMWATER FACILITIES, AND PROVIDE DOCUMENTATION, TO THE ENGINEER, PRIOR TO CONSTRUCTION OF THE FACILITIES.
- ALL PORTIONS OF THE SANITARY & STORM SEWER SYSTEMS, INCLUDING CATCH BASINS, LOCATED WITHIN 10 FEET OF THE BUILDING OR WATER SERVICE LINE MUST BE TESTED ACCORDANCE WITH MINNESOTA RULES, PART 4714.
- ALL FIRE HYDRANTS SHALL BE LOCATED 5 FEET BEHIND BACK OF CURB OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- HYDRANT USE: CONTRACTOR IS RESPONSIBLE TO NOTIFY ST. PAUL REGIONAL WATER SERVICES WHEN THEY NEED TO USE A HYDRANT. ONLY PRE-AUTHORIZED HYDRANTS WILL BE USED. HYDRANTS TO BE OPERATED ONLY WITH PROPER EQUIPMENT SUCH AS A HYDRANT NUT WRENCH, NOT A PIPE WRENCH. HYDRANT METER IS AVAILABLE FROM ST. PAUL REGIONAL WATER SERVICES. ANY TRUCK, ETC. FILLED FROM A BACK-FLOW PREVENTER APPROVED BY ST. PAUL REGIONAL WATER SERVICES. ALSO APPLIES TO SUBCONTRACTORS.
- OPERATING VALVES FOR TURNING WATER MAIN ON/OFF: ST. PAUL REGIONAL WATER SERVICES WILL OPERATE ALL VALVES AND FILL ALL WATER MAINS (PUBLIC AND PRIVATE). CONTRACTOR SHALL GIVE AT LEAST 24 HOURS NOTICE TO HAVE WATER SHUT OFF AND SHALL NOTIFY IN WRITING. ALL AFFECTED CUSTOMERS AT LEAST 24 HOURS IN ADVANCE BEFORE SHUT OFF. ATTACH TO DOOR, ETC., NOT IN MAILBOXES.
- TEMPORARY SERVICE: THE CONTRACTOR SHALL PROVIDE TEMPORARY SERVICE IF SERVICE CANNOT BE RESTORED SAME DAY. IF USING HYDRANT FOR TEMPORARY SERVICE, NOTIFY ST. PAUL REGIONAL WATER SERVICES AND USE ONLY PRE-APPROVED HYDRANT AND SUPPLIED HYDRO METER WITH BACK FLOW. THE CONTRACTOR'S TEMPORARY MAIN SHALL BE DISINFECTED, FLUSHED AND BACTERIOLOGICAL ANALYSIS SHOWN PRIOR TO PUTTING THE TEMPORARY SYSTEM IN SERVICE. THE TEMPORARY WATER SYSTEM SHALL BE IN PLACE PRIOR TO ST. PAUL REGIONAL WATER SERVICES SHUTTING OFF ANY WATER MAINS.
- REFER TO GEOTECHNICAL EVALUATION REPORT AS PREPARED BY BRAUN INTERTEC, FOR AN EXISTING SUBSURFACE SITE CONDITION ANALYSIS AND CONSTRUCTION RECOMMENDATIONS INCLUDING; BUT NOT LIMITED TO:
 - REUSE OF ON-SITE SOILS
 - GROUNDWATER AND RECOMMENDATIONS FOR EXCAVATION DEWATERING.
 - SITE GRADING AND SURGRADE PREPARATION.
 - PAVEMENTS AND EXTERIOR SLABS.
 - TRENCH EXCAVATION AND BACKFILL.
 - EXTERIOR UTILITY SUPPORTS.
 - FROST PROTECTION.
- CONTRACTOR SHALL PROVIDE AS-BUILT INFORMATION OF CONSTRUCTED UTILITIES (RECOMMENDED PRIOR TO BACKFILLING) PER APPLICABLE PERMIT REQUIREMENTS AND/OR DEVELOPMENT AGREEMENTS.
- ALL UNUSED UTILITY SERVICES SHALL BE ABANDONED PER THE REQUIREMENTS OF THE APPLICABLE GOVERNING AGENCIES.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED UTILITY PERMITS FROM THE APPLICABLE GOVERNING AGENCIES.
- WATER MAINS AND SERVICES TO BE INSTALLED ACCORDING TO SPRWS STANDARD FOR THE INSTALLATION OF WATER MAINS.
- A FOUR-SIDED TRENCH BOX IS REQUIRED ON ALL EXCAVATIONS DEEPER THAN 5 FEET WHERE UNDERGROUND WORK OR INSPECTION IS TO BE PERFORMED BY SPRWS. FOR ALL WET TAPS TO BE PERFORMED BY SPRWS, A MINIMUM TRENCH BOX SIZE OF 8 FEET HIGH X 8 FEET WIDE X 10 FEET LONG IS REQUIRED. LADDERS ARE REQUIRED AND MUST EXTEND 3 FEET ABOVE THE SURFACE OF THE TRENCH. SIDEWALKS, PAVEMENTS, DUCTS AND APPURTENANT STRUCTURES SHALL NOT BE UNDERMINED UNLESS A SUPPORT SYSTEM OR ANOTHER METHOD OF PROTECTION IS PROVIDED. TRENCHES IN EXCESS OF 20 FEET IN DEPTH MUST BE SIGNED OFF BY A REGISTERED PROFESSIONAL ENGINEER. EXCAVATED MATERIAL MUST BE KEPT A MINIMUM OF 2 FEET FROM THE EDGE OF THE TRENCH.
- SERVICE CONNECTIONS SHALL BE INSTALLED WITH 8 FEET OF COVER AS PER THE ESTABLISHED GRADE FROM THE MAIN TO THE PROPERTY LINE OR, IF APPLICABLE, TO THE UTILITY EASEMENT LINE.
- ALL PIPE 2" AND SMALLER MUST BE TYPE K COPPER. PIPE MATERIAL FOR 8" DUCTILE IRON PIPE MUST BE CLASS 52. PIPE MATERIAL FOR 6" AND 4" DUCTILE IRON PIPE MUST BE CLASS 53. THE EXTERIOR OF DUCTILE IRON PIPE SHALL BE COATED WITH A LAYER OF ARC-SPRAYED ZINC PER ISO 8179. THE INTERIOR CEMENT MORTAR LINING SHALL BE APPLIED WITHOUT ASPHALT SEAL COAT. PIPE MUST BE WRAPPED IN V-BIO POLYVAP ENCASEMENT AND SHALL BE INSTALLED UTILIZING MODIFIED METHOD A AS RECOMMENDED BY DIPRA. ENCASEMENT SHALL BE TAPED AT EACH JOINT AND AROUND THE MIDDLE OF THE PIPE.
- MAINTAIN 3 FEET VERTICAL SEPARATION BETWEEN WATER AND SEWER PIPES OR 18-INCH SEPARATION INCLUDING 4-INCH-HIGH DENSITY INSULATION PER SPRWS STANDARD PLATE D-10 FOR TYPICAL WATER MAIN OFFSETS.
- REFER TO SPRWS STANDARDS FOR THE INSTALLATION OF WATER MAINS STANDARD PLATE D-11 FOR RESTRAINED PIPE REQUIREMENT.
- ALL WATER SERVICE VALVE BOXES WITHIN CONSTRUCTION AREA MUST BE EXPOSED AND BROUGHT TO GRADE UPON COMPLETION OF CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL EXCAVATION AND OBSTRUCTION PERMITS REQUIRED BY ANY GOVERNING AUTHORITY.
- CONTRACTOR MUST MAINTAIN AS-BUILT PLANS THROUGHOUT CONSTRUCTION AND SUBMIT THESE PLANS TO SAINT PAUL REGIONAL WATER SERVICES ENGINEERING DEPARTMENT UPON COMPLETION OF WORK VIA EMAIL AT: WATER_PLUMBINGPERMITAPP@C1STPAUL.MN.US

CITY OF ST. PAUL NOTES

- SEE SHEET C1-1 EXISTING CONDITIONS FOR CITY OF ST. PAUL NOTES.

PIPE MATERIALS

SANITARY SEWER	PVC C900	8" DIAMETER	SEE PROJECT SPECIFICATIONS
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PROJECT CONTRACTORS

UTILITY CONTRACTOR	CARL BOLANDER & SONS SKB CORPORATE OFFICE 251 STARKLEY ST., #1 ST PAUL, MN 55107	T 651-224-6299 EMAIL: jason@bolander.com
STREET CONTRACTOR	FPI PAVING 3230 RICE STREET ST PAUL, MN 55126	T 651-484-0385 EMAIL: ron@fpi.com
CURB & GUTTER CONTRACTOR	C. OLSON CONCRETE, INC. 4583 COUNTY ROAD 33 SE HANOVER, MN 55341	T 763-656-3337 EMAIL: tony@olsonconcrete.com

UTILITY RECORD PLAN

RIM=229.14 — Denotes Record Data
INV=226.44
41 LF @ 2.6%

RECORD PLAN NOTES

- THE FIELD WORK WAS COMPLETED ON JUNE 11, 2025.
- BENCHMARK: TOP NUT OF HYDRANT LOCATED ON WEST SIDE OF PASCAL ST., APPROX. 80 FEET SOUTH OF UNIVERSITY AVE. W., NOT SHOWN HEREON.
ELEVATION = 230.15 FEET (CITY OF SAINT PAUL)

CADD QUALIFICATION

CADD files prepared by the Consultant for this project are prepared by the Consultant professional services for use solely with respect to this project. These CADD files shall not be used on other projects, for additions to this project, or for completion of this project by others without written approval by the Consultant. With the Consultant's approval, others may be permitted to obtain copies of the CADD drawing files for information and reference only. All intentional or unintentional revisions, additions, or deletions to these CADD files shall be made in the full set of these project files and revisions, additions or deletions and the only valid field revisions and alterations the Consultant from any & all responsibilities, claims, and liabilities.

SUBMITTAL/REVISIONS

5-22-23	Draft Pre-Plat & 30% Submittal
6-12-23	Draft 30% Submittal Updates
6-28-23	Pre-Plat & 60% ROW Submittal
7-12-23	30% Response to Comments & 60% Submittal
02-26-24	CRWD Resubmit
06-28-24	60% Response to Comments
09-13-24	City Comments
10-16-24	Sanitary Submittal
12-09-24	90% Submittal
04-01-25	Watermain Revisions
04-21-25	Construction Documents
05-02-25	Construction Documents
01-26-26	Ordinance No.1 Record Plan

PROFESSIONAL SIGNATURE

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.

Jeffrey A. Shoppe
License No. 19624
Date 04/21/25

QUALITY CONTROL

Loucks Project No. 160285
Project Lead JAS
Drawn By TRG
Checked By JOK
Review Date 01/26/26

SHEET INDEX

SEE C0-1 COVER SHEET