

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:

- | | | |
|--|---|--|
| <input type="checkbox"/> 01 Roadway | <input type="checkbox"/> 04 Storm Sewer Collection | <input type="checkbox"/> 07 Sanitary Sewer Special |
| <input type="checkbox"/> 02 Sidewalk | <input type="checkbox"/> 05 Storm Sewer Treatment | <input type="checkbox"/> 08 Retaining Wall |
| <input type="checkbox"/> 03 Traffic Appurtenances Including Signals,
Lighting, EV Infrastructure, Signing, Striping | <input type="checkbox"/> 06 Sanitary Sewer Collection | <input type="checkbox"/> 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;

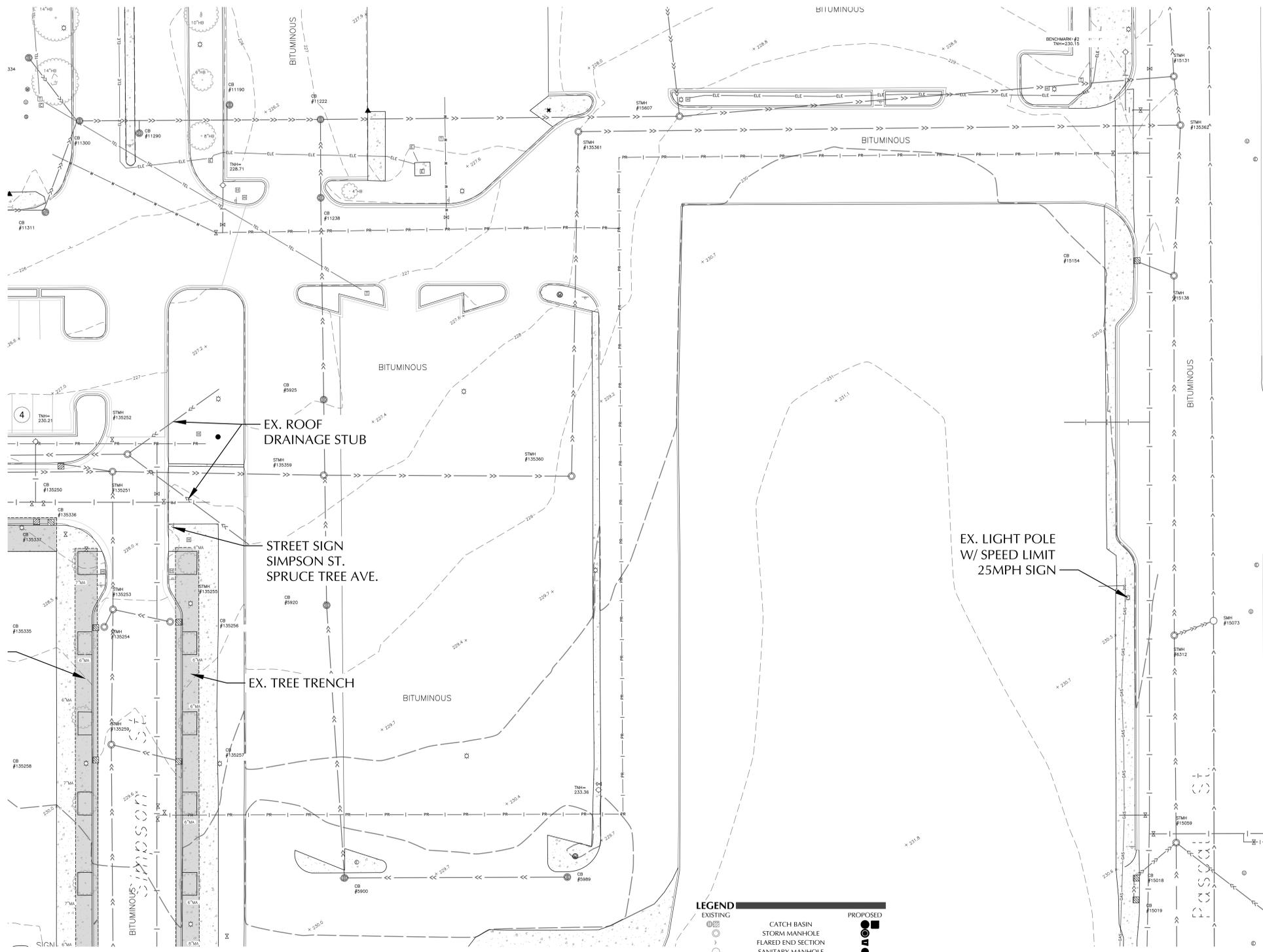
- All applicable operation and maintenance manuals provided to Public Works; and

- 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 _____



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.

EXISTING	PROPOSED

CITY OF ST. PAUL NOTES

- THE REMOVAL, PRUNING, AND/OR PLANTING OF TREES ON THE PUBLIC BOULEVARD REQUIRES AN APPROVED FORESTRY TREE WORK PERMIT FROM THE CITY FORESTER (651-632-2436). ANY WORK MUST BE COMPLETED BY A LICENSED TREE CONTRACTOR.
- CONSTRUCTION SUPPLIES, MATERIALS, SPOILS, EQUIPMENT, AND VEHICLES SHALL NOT BE STORED OR OPERATED WITHIN THE DRIP LINE OF ANY PUBLIC STREET TREE OR ON TURF BOULEVARDS WITHOUT PRIOR WRITTEN APPROVAL FROM THE CITY FORESTER. IF THE BOULEVARD MUST BE USED FOR CONSTRUCTION ACTIVITIES, SITE ACCESS ROUTES, MATERIAL STORAGE OR OTHER RELATED ACTIVITIES, PROTECTIVE MEASURES APPROVED BY THE CITY FORESTER SHALL BE TAKEN TO REDUCE SOIL COMPACTION AND PROTECT TREES(S) FROM DAMAGE.
- EXISTING PUBLIC PROPERTY STREET TREES ARE TO BE PROTECTED AT ALL TIMES. PUBLIC TREES DAMAGED OR REMOVED DURING CONSTRUCTION SHALL BE RESTORED OR REPLACED TO THE SATISFACTION OF, AND AT NO COST TO, THE CITY AS DETERMINED BY THE FORESTRY MANAGER. THE CONTRACTOR IS ADVISED TO DOCUMENT PRE-EXISTING CONDITIONS OF PUBLIC TREES AS WELL AS THE SURROUNDING BOULEVARDS PRIOR TO CONSTRUCTION ACTIVITIES.
- ALL WORK ON CURBS, DRIVEWAYS, AND SIDEWALKS WITHIN THE PUBLIC RIGHT OF WAY MUST BE DONE TO CITY STANDARDS AND SPECIFICATIONS BY A CONTRACTOR LICENSED TO WORK IN THE CITY RIGHT-OF-WAY UNDER A PERMIT FROM THE PUBLIC WORKS SIDEWALK SECTION (651-266-6120). SIDEWALK GRADES MUST BE CARRIED ACROSS DRIVEWAYS.
- RESTORATION OF ASPHALT AND CONCRETE PAVEMENTS ARE PERFORMED BY THE PUBLIC WORKS STREET MAINTENANCE DIVISION. THE CONTRACTOR IS RESPONSIBLE FOR PAYMENT TO THE CITY FOR THE COST OF THESE RESTORATIONS. THE CONTRACTOR SHALL CONTACT PUBLIC WORKS STREET MAINTENANCE TO SET UP A WORK ORDER PRIOR TO BEGINNING ANY REMOVALS IN THE STREET AT 651-266-9700. PROCEDURES AND UNIT COSTS ARE FOUND IN STREET MAINTENANCE'S "GENERAL REQUIREMENTS - ALL RESTORATIONS" AND ARE AVAILABLE AT THE PERMIT OFFICE.
- CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO THE MAINLINE SIDEWALK, CURB, DRIVE ACCESS AND BOULEVARD LANDSCAPING CAUSE DURING THE CONSTRUCTION. CONTRACTOR ADVISED TO DOCUMENT PRE-EXISTING CONDITION OF THE RIGHT OF WAY PRIOR TO COMMENCEMENT OF THE CONSTRUCTION.
- MAINLINE SIDEWALK OR CATWALKS/OUTWALKS INSTALLED AT 4 CONCRETE THICKNESS WITH 6 AGG. BASE. PED. RAMPS, CURB RAMPS, SIDEWALK ABUTTING BACK OF CURB, AND RESIDENTIAL DRIVEWAYS INSTALLED AT 6 CONCRETE THICKNESS WITH 6 AGG. BASE. COMMERCIAL DRIVEWAYS, ALLEY DRIVEWAYS, AND SIDEWALKS EXPECTING TRAFFIC PER TURNING MOVEMENTS OR TRAFFIC STUDIES ARE TO BE INSTALLED AT 8 THICKNESS WITH 6 AGG. BASE. CURB WORK AND CUTS INTO ALLEYS REQUIRE A MINIMUM OF 2 SAW CUT INTO ASPHALT TO ENSURE PROPER INSTALLATION OF ABUTTING CONSTRUCTION AND PROPER COMPACTION OF ASPHALT.
- SIGNS REGULATING PARKING AND/OR TRAFFIC ON PRIVATE PROPERTY (OUTSIDE OF THE PUBLIC RIGHT-OF-WAY ROW) SHALL BE FURNISHED AND INSTALLED BY THE PROPERTY OWNER OR CONTRACTOR AT NO COST TO THE CITY OF ST. PAUL DEPARTMENT OF PUBLIC WORKS. REMOVAL OF EXISTING SIGNS WITHIN THE PUBLIC ROW THAT REGULATE TRAFFIC AND OR PARKING SHALL BE COMPLETED BY THE CITY AT THE EXPENSE OF THE DEVELOPMENT. NEW SIGNS OR THE REINSTALLATION OF EXISTING SIGNS, AS APPROVED BY PUBLIC WORKS OF TRAFFIC ENGINEERING, REGULATING PARKING AND/OR TRAFFIC IN THE PUBLIC ROW SHALL BE FURNISHED AND INSTALLED BY THE CITY AT THE EXPENSE OF THE DEVELOPMENT. CONTACT CHRIS GULDEN OF PUBLIC WORKS 651-266-9778 TWO WEEKS IN ADVANCE OF NEEDED SIGN WORK.
- THE CONTRACTOR SHALL CONTACT MIKE LUSIAN, GENERAL FOREMAN, LIGHTING - SIGNAL MAINTENANCE, (651-266-9780), IF REMOVAL OR RELOCATION OF EXISTING FACILITIES IS REQUIRED OR IN THE EVENT OF DAMAGE TO THE LIGHTING OR SIGNAL UTILITIES. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY (AND RELATED COSTS) FOR ANY DAMAGE OR RELOCATIONS. ACCESS TO SIGNAL CONTROLLER AND LIGHTING CABINETS MUST BE MAINTAINED AT ALL TIMES. IF FENCING IS REQUIRED FOR A JOB SITE, A KEY OR OTHER MEANS OF ACCESS MUST BE PROVIDED TO THE CITY OF ST. PAUL'S TRAFFIC OPERATIONS DEPARTMENT. CONTACT MIKE LUSIAN, GENERAL FOREMAN SIGNALS AND LIGHTING AT (651-266-9780) FOR MORE INFORMATION.
- THE DEVELOPER SHALL CONTACT THE RIGHT OF WAY INSPECTOR TESHOMÉ HALEMARIAM, 651-238-0681 (TWO WEEKS PRIOR TO BEGINNING WORK) TO DISCUSS TRAFFIC CONTROL, PEDESTRIAN SAFETY AND COORDINATION OF ALL WORK IN PUBLIC RIGHT OF WAY. NOTE: IF A TWO WEEKS NOTICE IS NOT PROVIDED TO THE CITY, ANY RESULTING DELAYS SHALL BE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- NO PRIVATE FACILITIES IN THE RIGHT OF WAY: THE DEVELOPER IS STRICTLY PROHIBITED FROM INSTALLING PRIVATE ELECTRICAL WIRING, CONDUIT, RECEPTACLES AND/OR LIGHTING IN THE CITY'S RIGHT OF WAY. THIS INCLUDES STUBBING CONDUIT OR CABLE INTO THE PUBLIC RIGHT OF WAY TO ACCOMMODATE UTILITY FEEDS TO THE SITE. COORDINATE WITH EACH UTILITY PRIOR TO CONSTRUCTION TO DETERMINE FEED POINTS INTO THE PROPERTY. UTILITIES ARE RESPONSIBLE FOR SECURING EXCAVATION PERMITS TO RUN THEIR SERVICE INTO A SITE, AND (WHERE REQUIRED) SUBMITTING PLANS FOR REVIEW BY THE PUBLIC WORKS UTILITY REVIEW COMMITTEE.
- AS PART OF THE ROW PERMITTING PROCESS, TWO WEEKS BEFORE ANY WORK BEGINS THAT IMPACTS THE ROW IN ANY WAY THE DEVELOPER SHALL PROVIDE TO THE ROW INSPECTOR (DAN BRADY 651-485-4398) THE NAME AND CONTACT INFORMATION OF THE CONSTRUCTION PROJECT MANAGER OR CONSTRUCTION PROJECT SUPERINTENDENT. IF THIS INFORMATION IS NOT PROVIDED THERE MAY BE A DELAY IN OBTAINING PERMITS FOR THE WORK IN THE ROW. SAID DELAYS WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL PROVIDE A CONTINUOUS, ACCESSIBLE AND SAFE PEDESTRIAN WALKWAY THAT MEETS ADA AND MN MUTCD STANDARDS IF WORKING IN A SIDEWALK AREA, AND TRAFFIC CONTROL PER MN MUTCD REQUIREMENTS FOR WORK IN THE PUBLIC RIGHT OF WAY.
- ENCROACHMENTS: PER CHAPTER 134 OF THE LEGISLATIVE CODE, NO PERSON SHALL CONSTRUCT AND MAINTAIN ANY PROJECTION OR ENCROACHMENT WITHIN THE PUBLIC RIGHT-OF-WAY. CONSTRUCTION OF THE DEVELOPMENT THAT NECESSITATES TEMPORARY USE OF THE RIGHT-OF-WAY (ROW) FOR CONSTRUCTION PURPOSES SHALL BE LIMITED TO EQUIPMENT, PERSONNEL, DEVICES AND APPURTENANCES THAT ARE REMOVABLE FOLLOWING CONSTRUCTION. ENCROACHMENT PERMITS WILL NOT BE GRANTED FOR DEVICES SUCH AS THE BACKS, ROCK BOLTS, HPILES, LAGGING, TIMBERS, SHEET PILING, ETC. THAT THE OWNER IS SEEKING TO ABANDON IN THE ROW. SECTION 3201.3 OF THE MINNESOTA BUILDING CODE DEFERS FINAL AUTHORITY OF ENCROACHMENTS INTO PUBLIC RIGHTS-OF-WAY/PUBLIC PROPERTY TO THE LOCAL AUTHORITY. CITY LEGISLATIVE CODE GOVERNS MANAGEMENT OF THE PUBLIC RIGHTS-OF-WAY. PROVIDED SUCH INSTALLATIONS ARE APPROVED BY PUBLIC WORKS, FOOTINGS MAY BE ALLOWED TO ENCROACH INTO CITY ROW NO MORE THAN TWELVE (12) INCHES AT DEPTHS BELOW EIGHT (8) FEET AS PROVIDED FOR IN MINNESOTA BUILDING CODE SECTION 3202.1. SAID ENCROACHMENTS WOULD REQUIRE AN ENCROACHMENT PERMIT FROM THE CITY PER CHAPTER 134 OF THE LEGISLATIVE CODE. ENCROACHMENTS INTO COUNTY OR STATE ROW ARE NOT ALLOWED UNLESS AUTHORIZATION HAS BEEN GRANTED FROM SAID AGENCY. ENCROACHMENTS INSTALLED IN THE ROW WITHOUT AUTHORIZATION WILL BE REMOVED AT NO EXPENSE TO THE CITY/COUNTY/STATE.
- BE ADVISED A TEMPORARY TRAFFIC CONTROL (TTC) PLAN WILL BE NEEDED AS PART OF THE RIGHT-OF-WAY (ROW) PERMITTING PROCESS FOR WORK BEING CONDUCTED IN THE ROW. SAID PLAN NEEDS TO BE COMPLETED BY A COMPANY THAT SPECIALIZES IN DEVELOPING TEMPORARY TRAFFIC CONTROL PLANS AND MEET THE REQUIREMENTS F THE LATEST EDITION OF THE MN MUTCD.
- AS PER THE CITY'S STANDARD SPECIFICATION FOR STREET OPENINGS POLICY, RESTORATION ON ROADWAY SURFACES LESS THAN 5 YEARS OLD WILL REQUIRE FULL WIDTH MILL AND OVERLAY OR ADDITIONAL DEGRADATION FEES. DEGRADATION FEES ARE DETERMINED BY CONTACTING THE RIGHT OF WAY SERVICE DESK AT (651) 266-6151. PAVEMENT RESTORATION SHALL BE COMPLETED BY THE ST. PAUL PUBLIC WORKS STREET MAINTENANCE DIVISION. ALL RELATED COSTS ARE THE RESPONSIBILITY OF THE DEVELOPER/CONTRACTOR. CONTACT STREET MAINTENANCE AT (651) 266-9700 FOR ESTIMATE OF COSTS FOR PAVEMENT RESTORATION.
- STREET SWEEPING IS AN IMPORTANT TEMPORARY EROSION CONTROL BEST MANAGEMENT PRACTICE AND SHALL BE PERFORMED WITH THE USE OF WATER. DRY SWEEPING IS PROHIBITED. ADDITIONALLY, TRUCKS HAULING IN AND OUT OF THE SITE, FOR ANY ACTIVITY INCLUDING BUT NOT NECESSARILY LIMITED TO PAVING, EXCAVATION, ETC., NEEDS TO ENSURE CLEAN OFF ALL MUD FLAPS TO AVOID ANY BUILDUP ON THE STREET PAVEMENT.
- ANY PUBLIC INFRASTRUCTURE DAMAGE RESULTING FROM THE CONTRACTORS ACTIVITIES, INCIDENTAL OR OTHERWISE, SHALL BE REPAIRED/REPLACED TO THE SATISFACTION OF THE CITY AT NO COST TO THE CITY.
- CONTACT PUBLIC WORKS RIGHT OF WAY SERVICE DESK AT (651) 266-6151. IT IS STRONGLY RECOMMENDED THAT CONTRACTORS CALL FOR COST ESTIMATES PRIOR TO BIDDING TO OBTAIN ACCURATE COST ESTIMATES.
- OBSTRUCTION PERMITS: THE CONTRACTOR MUST OBTAIN AN OBSTRUCTION PERMIT IF CONSTRUCTION (INCLUDING SILT FENCES) WILL BLOCK CITY STREETS, SIDEWALKS OR ALLEYS, OR IF DRIVING OVER CURBS.
- ALL DIGGING IN THE PUBLIC RIGHT OF WAY REQUIRES AN EXCAVATION PERMIT. IF THE PROPOSED BUILDING IS CLOSE TO THE RIGHT OF WAY, AND EXCAVATING INTO THE RIGHT OF WAY IS NEEDED TO FACILITATE CONSTRUCTION, CONTACT THE UTILITY INSPECTOR.
- FAILURE TO SECURE OBSTRUCTION PERMITS OR EXCAVATION PERMITS WILL RESULT IN A DOUBLE-PERMIT FEE AND OTHER FEES REQUIRED UNDER CITY OF ST. PAUL LEGISLATIVE CODES.
- CONTRACTOR TO MAINTAIN ACCESS TO THE FIRE DEPARTMENT CONNECTION FOR FIRE DEPARTMENT PERSONNEL AT ALL TIMES DURING THE CONSTRUCTION PERIOD.
- IF THE PROPOSED SEWER PIPING HAS LESS THAN 2% SLOPE, LASER EQUIPMENT IS REQUIRED.
- SEWER REPAIR PERMIT: PLUMBING CONTRACTOR TO OBTAIN REPAIR PERMITS FROM PUBLIC WORKS FOR PROPOSED MODIFICATION TO THE EXISTING STORM/SEWER CONNECTIONS. CALL ST PAUL PW PERMIT DESK (651-266-6234) FOR INFORMATION ON OBTAINING THIS PERMIT.
- SEWER REMOVAL/ABANDONMENT PERMIT: PLUMBING CONTRACTOR TO OBTAIN REMOVAL PERMITS FROM PUBLIC WORKS TO CUT OFF EXISTING SEWER CONNECTIONS SERVICES TO THE PROPERTY. CALL ST PAUL PW PERMIT DESK (651-266-6234) FOR INFORMATION ON OBTAINING THIS PERMIT.
- SEWER CONNECTION PERMIT: LICENSE HOUSE DRAIN CONTRACTOR TO OBTAIN (SEWER CONNECTION PERMIT) TO CONSTRUCT NEW SANITARY AND STORM CONNECTION IN STREET FROM MAIN TO THE PROPERTY. CALL ST PAUL PW PERMIT DESK (651-266-6234) FOR INFORMATION ON OBTAINING THIS PERMIT.
- IF THE EXISTING MANHOLE FOR THE PROPOSED SANITARY SERVICE CONNECTION IS A BRICK CONSTRUCTION, RECONSTRUCTION OF THE MANHOLE ACCESS MAY BE REQUIRED. SEE CITY DETAIL 2322F ON SHEET C800 FOR ADDITIONAL INFORMATION.
- ORDINANCE PERMIT: AN ORDINANCE PERMIT IS REQUIRED FOR THE CONSTRUCTION OF PUBLIC FACILITIES BY PRIVATE CONTRACTORS UNDER THIS PROJECT. ORDINANCE PERMITS INCLUDE, BUT ARE NOT LIMITED TO, CONSTRUCTION OF ROADS, ALLEYS, CURB AND GUTTER, STORM SEWER, SANITARY SEWER, AND WATERMAIN. PLEASE CONTACT RYAN LOWRY AT 651-266-6147 FOR ORDINANCE PERMIT INFORMATION AND TO BEGIN THE PERMITTING PROCESS.

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 professional services for use solely with respect to this project. These CADD files shall not be used on other projects. With the Consultant's approval, others may be permitted to obtain copies of the CADD drawing files for planning and reference only. All intended or unintended revisions, additions, or deletions to these CADD files shall be made on the files of the user and not on the original files. The Consultant 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

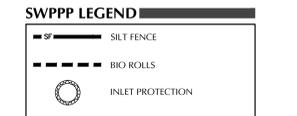
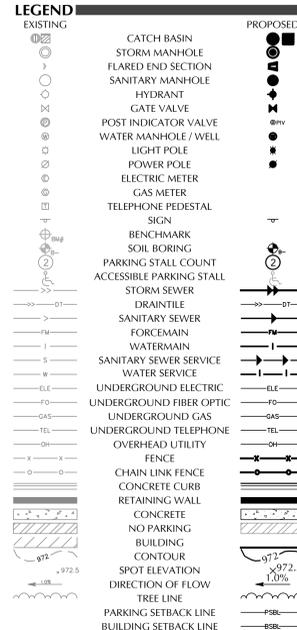
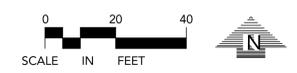
PROFESSIONAL SIGNATURE
 I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.
 Jeffrey A. Shipes
 License No. 19624
 Date 10/04/24

QUALITY CONTROL	
Locks Project No.	160285
Project Lead	JAS
Drawn By	TRG
Checked By	JDK
Review Date	10/04/24

SEE C0-1 COVER SHEET

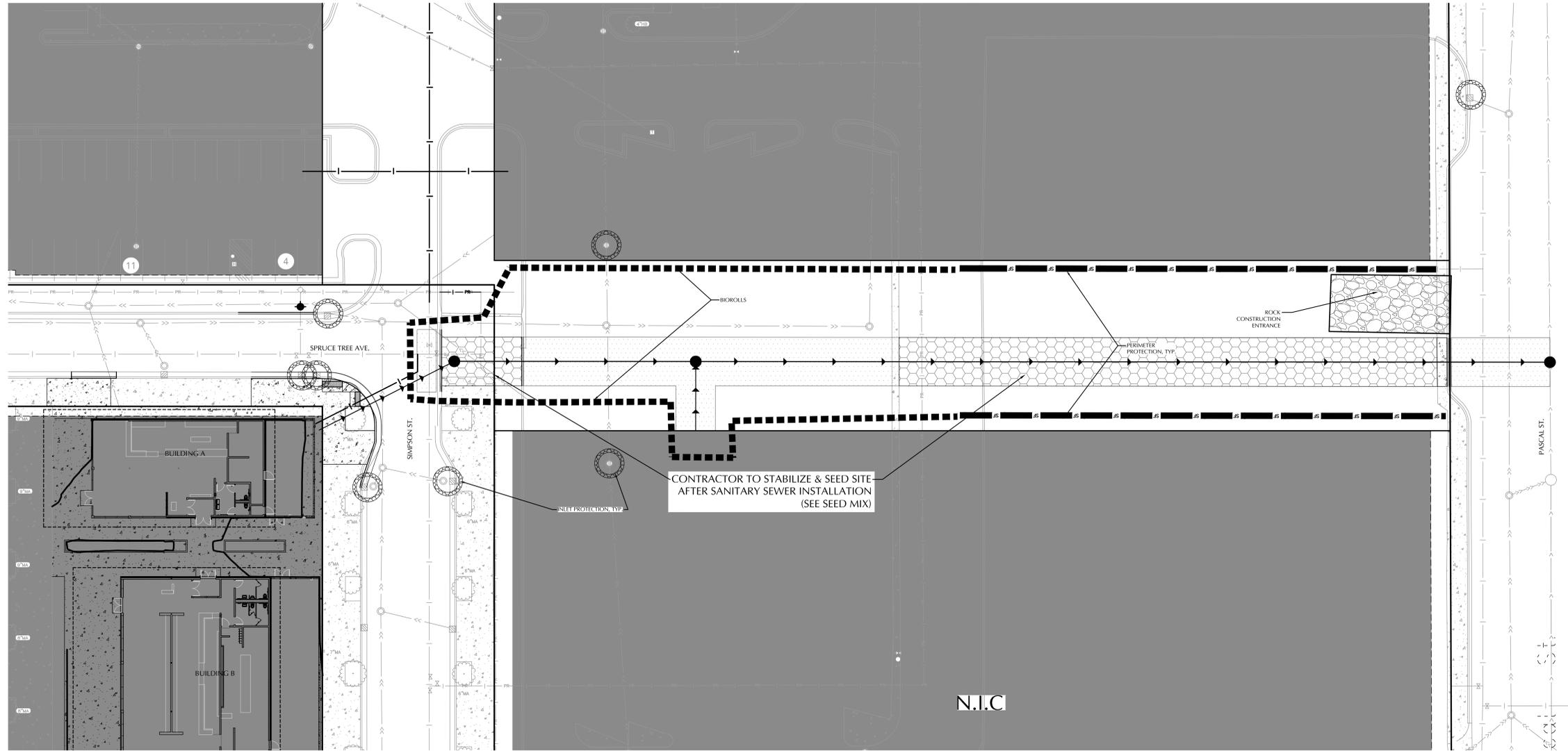
SHEET INDEX

EXISTING CONDITIONS PLAN
C1-1A



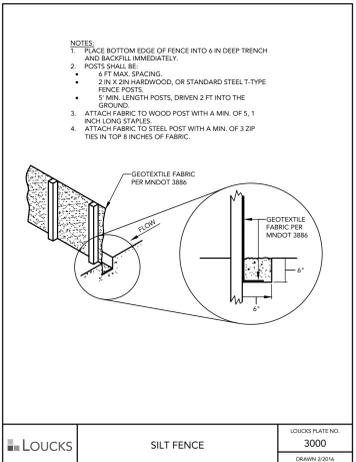
DESCRIPTION	UNIT	QUANTITY
TEMPORARY ROCK CONSTRUCTION ENTRANCE	EA	1
PREFABRICATED CONCRETE WASHOUT	EA	N/A
SILT FENCE (STANDARD)	LF	400
EROSION CONTROL BLANKET	SY	N/A
INLET PROTECTION	EA	6
BIOROLLS	LF	650

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

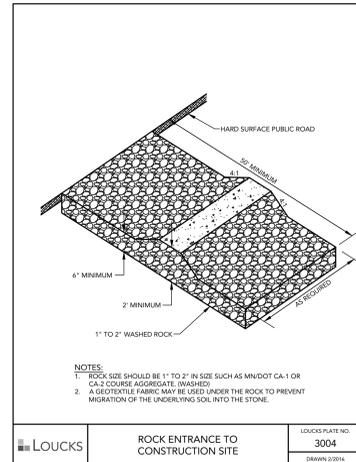


CONTRACTOR TO STABILIZE & SEED SITE AFTER SANITARY SEWER INSTALLATION (SEE SEED MIX)

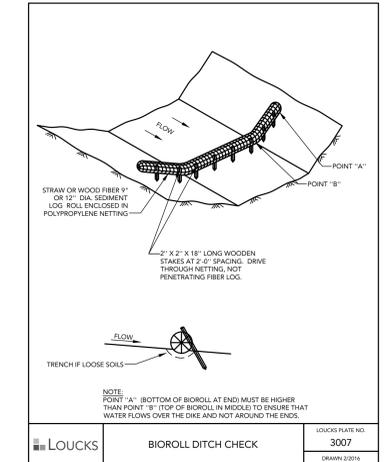
N.I.C



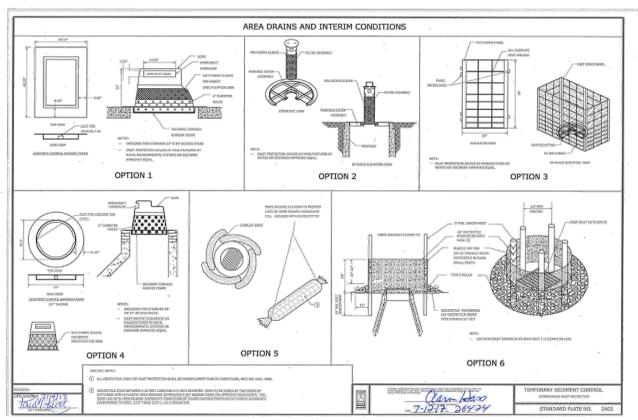
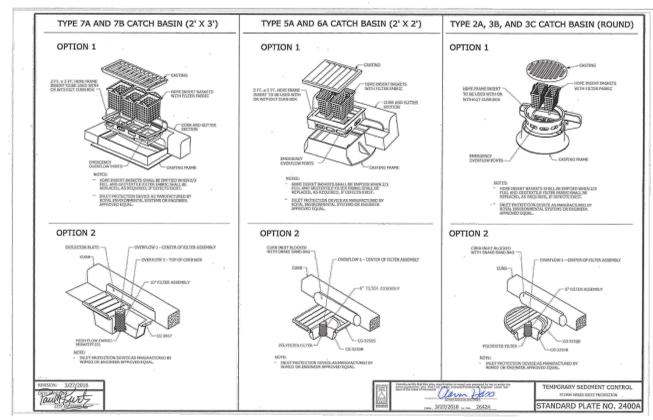
LOUCKS SILT FENCE LOUCKS PLATE NO. 3000 DRAWN 2/2016



LOUCKS ROCK ENTRANCE TO CONSTRUCTION SITE LOUCKS PLATE NO. 3004 DRAWN 2/2016



LOUCKS BIOROLL DITCH CHECK LOUCKS PLATE NO. 3007 DRAWN 2/2016



EROSION CONTROL NOTES

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

CITY OF ST. PAUL NOTES

- 1. SEE SHEET C1-1 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		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 catails, 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.

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
10/04/24

License No. 160285
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



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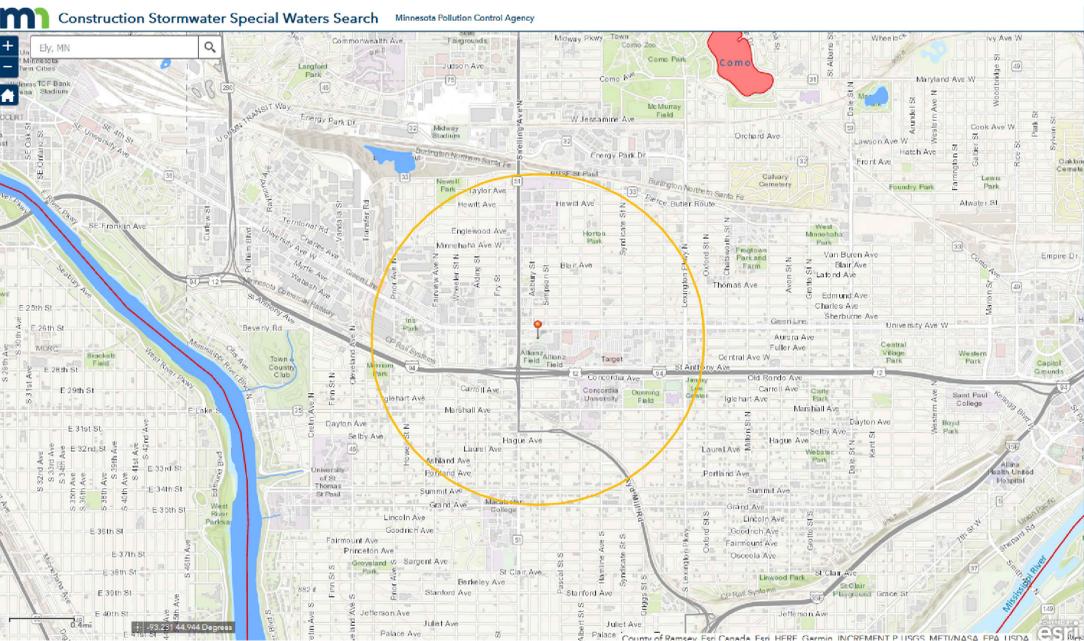
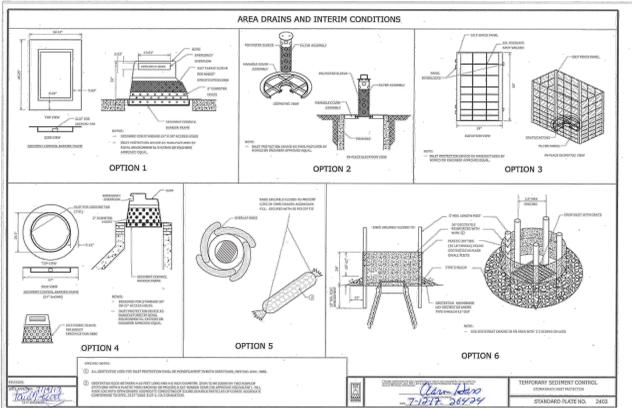
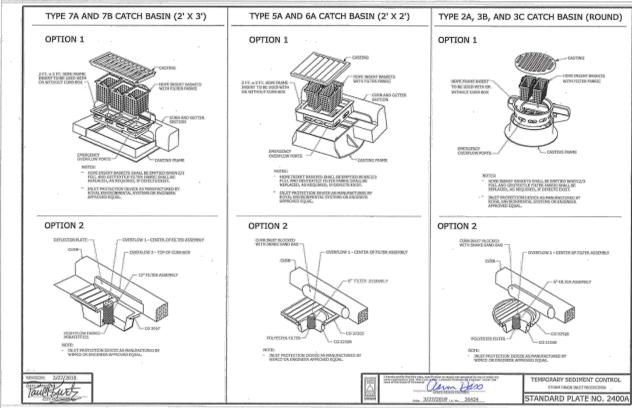
SWPPP NOTES

- THE NATURE OF THIS PROJECT WILL CONSIST OF CONSTRUCTING A SANITARY SEWER EXTENSION, AND SURFACE PAVEMENTS REMOVAL & REPLACEMENT.
- THE INTENDED SEQUENCING OF MAJOR CONSTRUCTION ACTIVITIES ARE AS FOLLOWS:
 - INSTALL VEHICLE TRACKING BMP
 - INSTALL INLET PROTECTION
 - INSTALL SILT FENCE AROUND SITE
 - CLEAR AND GRUB SITE
 - STRIP AND STOCKPILE TOPSOIL
 - REMOVE PAVEMENTS AND UTILITIES
 - ROUGH GRADE SITE
 - INSTALL UTILITIES
 - INSTALL CURB AND GUTTER
 - INSTALL PAVEMENTS AND WALKS
 - FINAL GRADE SITE
 - REMOVE ACCUMULATED SEDIMENT FROM STORMWATER SYSTEMS
 - SEED AND MULCH
 - WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED, REMOVE SILT FENCE, INLET PROTECTION, AND RESEED ANY AREAS DISTURBED BY THE REMOVAL.
- 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
- 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.
- A GENERAL STORM WATER PERMIT FOR CONSTRUCTION ACTIVITY FROM THE MINNESOTA POLLUTION CONTROL AGENCY IS REQUIRED. NO LAND DISTURBANCE FOR THE PROJECT IS ALLOWED, UNTIL THIS PERMIT IS OBTAINED AND IS IN ADDITION TO ANY CITY OR WATERSHED DISTRICT PERMITS REQUIRED.
- 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
- THE LOCATION OF AREAS NOT TO BE DISTURBED MUST BE IDENTIFIED WITH FLAGS, STAKES, SIGNS, SILT FENCE, ETC. BEFORE CONSTRUCTION BEGINS.
- CONTRACTOR SHALL INSTALL RAIN GAUGE ON SITE.
- REFER TO GEOTECHNICAL REPORT FOR GROUNDWATER CONDITIONS AND DETWATERING RECOMMENDATIONS. IF DETWATERING IS REQUIRED, REFER TO CITY REGULATIONS.
- REFER TO GEOTECHNICAL REPORT FOR INFORMATION RELATED TO SOIL CONTAMINATION, IF APPLICABLE.
- ALL DISTURBED GROUND LEFT INACTIVE FOR SEVEN (7) OR MORE DAYS SHALL BE STABILIZED BY SEEDING WITH MULCHING OR SODDING (ONLY AVAILABLE PRIOR TO SEPTEMBER 15) OR BY MULCHING OR COVERING OR OTHER EQUIVALENT CONTROL MEASURE.
- 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
- ALL STORM DRAINS AND INLETS MUST BE PROTECTED UNTIL ALL SOURCES OF POTENTIAL DISCHARGE ARE STABILIZED.
- SOIL COMPACTION SHALL BE MINIMIZED DURING CONSTRUCTION.
- 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 OF CLEAN AGGREGATE STOCK PILES, DEMOLITION CONCRETE STOCKPILES, SAND STOCKPILES.
- SEDIMENT CONTROL PRACTICES SHALL BE INSTALLED ON ALL DOWNGRADIENT PERIMETERS AND UPGRADIENT OF ANY BUFFER ZONES.
- SEDIMENT LADEN WATER MUST BE DISCHARGED TO A SEDIMENTATION BASIN WHENEVER POSSIBLE. IF NOT POSSIBLE, IT MUST BE TREATED WITH THE APPROPRIATE BMP'S.
- SOLID WASTE MUST BE DISPOSED OF PROPERLY AND MUST COMPLY WITH MPCA DISPOSAL REQUIREMENTS.
- NO VEHICLE WASHING ALLOWED ON SITE.
- NO ENGINE DEGRASING IS ALLOWED ON SITE.

- MINIMUM MAINTENANCE
 - 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.
 - REPAIR, REPLACE, OR SUPPLEMENT ALL PERIMETER CONTROL DEVICES WHEN THEY BECOME NONFUNCTIONAL OR THE SEDIMENT REACHES THE HEIGHT OF THE DEVICE.
 - SEDIMENT BASINS DRAINED AND SEDIMENT REMOVED WHEN REACHES 1/2 STORAGE VOLUME.
 - SEDIMENT REMOVED FROM SURFACE WATERS WITHIN (7)SEVEN CALENDAR DAYS OF DISCOVERY. CONSTRUCTION SITE EXITS INSPECTED, TRACKED SEDIMENT REMOVED WITHIN (1)ONE CALENDAR DAY.
 - PROVIDE COPIES OF EROSION INSPECTION RESULTS TO CITY ENGINEER FOR ALL EVENTS GREATER THAN 1/2" IN 24 HOURS.
- 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.
- 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.
- SWPPP MUST BE AMENDED WHEN:
 - THERE IS A CHANGE IN DESIGN, OPERATION, MAINTENANCE, WEATHER OR SEASONAL CONDITIONS THAT HAS A SIGNIFICANT EFFECT ON DISCHARGE.
 - INSPECTIONS INDICATE THAT THE SWPPP IS NOT EFFECTIVE AND DISCHARGE IS EXCEEDING WATER QUALITY STANDARDS.
 - THE BMP'S IN THE SWPPP ARE NOT CONTROLLING POLLUTANTS IN DISCHARGES OR IS NOT CONSISTENT WITH THE TERMS AND CONDITIONS OF THE PERMIT.
- CONCRETE WASHOUT AREA
 - CONCRETE WASH-OUT SITES NOT ALLOWED ON SITE AND MUST BE CONTAINED ON TRUCKS.
 - ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY.
- IN THE EVENT OF ENCOUNTERING A WELL OR SPRING DURING CONSTRUCTION CONTRACTOR TO CEASE CONSTRUCTION ACTIVITY AND NOTIFY ENGINEER.
- PIPE OULETS MUST BE PROVIDED WITH TEMPORARY OR PERMANENT ENERGY DISSIPATION WITHIN 24 HOURS AFTER CONNECTION TO A SURFACE WATER.
- 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.
- RESPONSIBILITIES
 - 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
- THE WATERSHED DISTRICT OR THE CITY MAY HAVE REQUIREMENTS FOR INSPECTIONS OR AS-BUILT DRAWINGS VERIFYING PROPER CONSTRUCTION OF THE BMP'S.
- 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.
- SILT FENCE OR FABRIC PLACED UNDER THE GRATE IS NOT AN APPROVED FORM OF INLET PROTECTION.
- REFER TO RESPONSE ACTION PLAN (RAP) CONSTRUCTION CONTINGENCY PLAN (CCP) PREPARED BY BRAUN INTERTEC FOR ADDITIONAL INFORMATION.

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:	Statedwide				



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)

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

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.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, with the exception of the 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 information or information received, additions, or deletions to these CADD files shall be made at the user's risk and the user shall assume all responsibility for the accuracy and the quality of the information and identify the Consultant from any of 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

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 fescue. Certification is not required and there is no approved products list for Type 1 mulch.

UNIVERSITY OF MINNESOTA

Valentina Anderson

Design of Construction SWPPP (May 31 2024)

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.

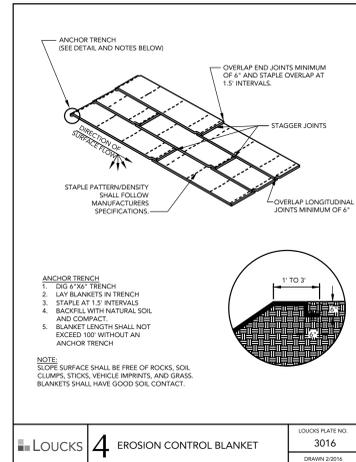
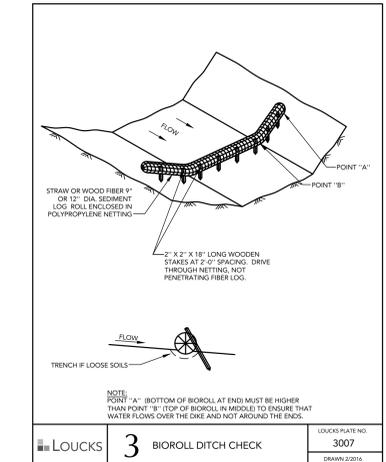
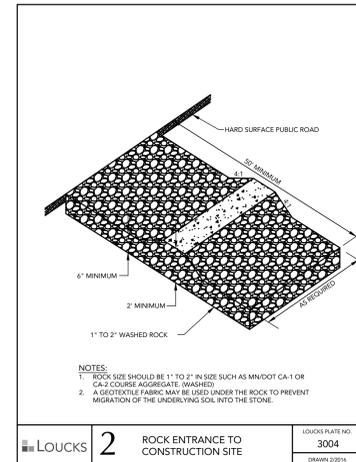
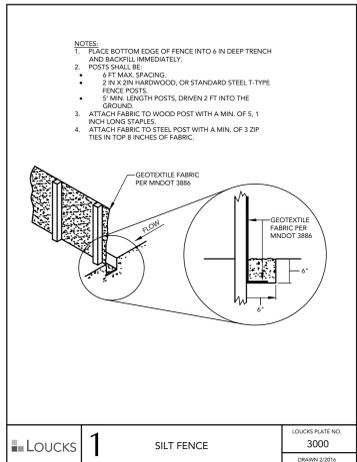
Valentina Anderson
License No. 19624
Date 10/04/24

QUALITY CONTROL

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

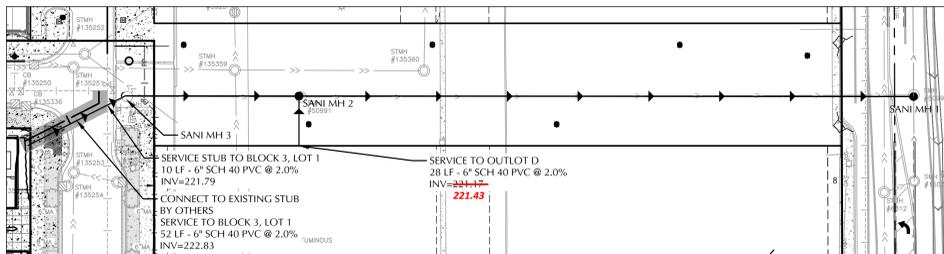
SHEET INDEX

SEE C0-1 COVER SHEET

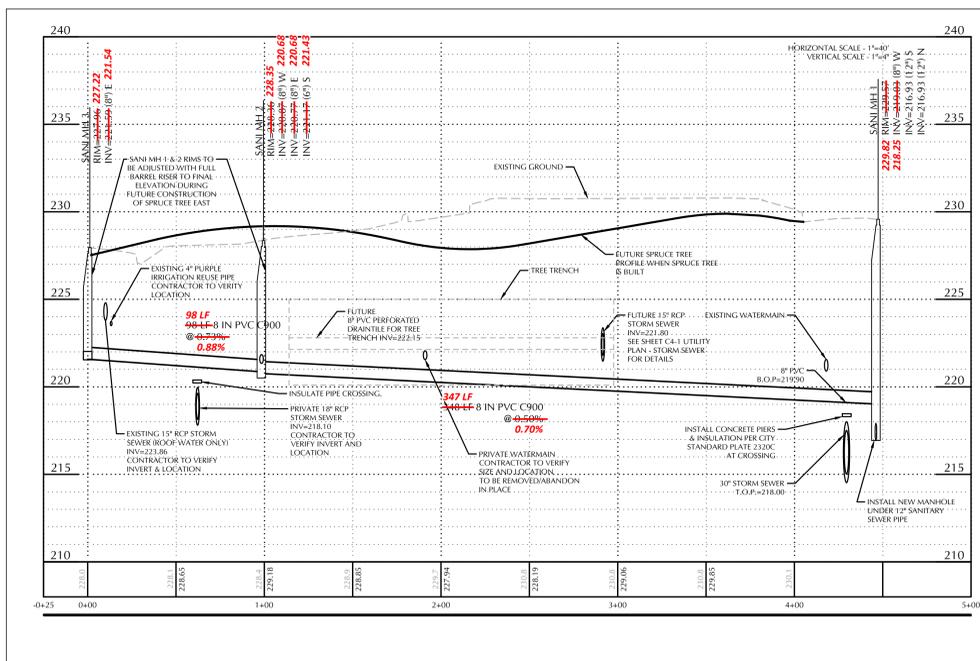


STORM WATER POLLUTION PREVENTION NOTES & DETAILS

C3-3A



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, 28" LF SERVICE STUB AT MH2, AND 10" LF SERVICE STUB AT MH 3



PROJECT CONTRACTORS

UTILITY CONTRACTOR	CARL BOLANDER & SONS SKB CORPORATE OFFICE 251 STARKEY 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)

SPRUCE TREE EAST - SANITARY SEWER

GENERAL UTILITY NOTES

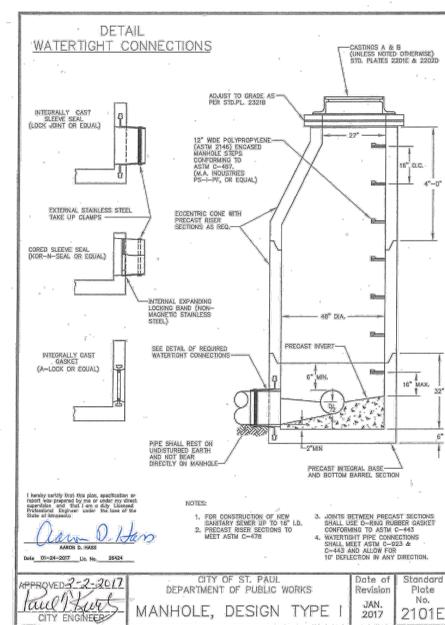
- ALL STORM SEWER, SANITARY SEWER AND WATERMAIN UTILITIES SHALL BE FURNISHED AND INSTALLED PER THE REQUIREMENTS OF THE SPECIFICATIONS, THE MINNESOTA PLUMBING CODE, THE LOCAL GOVERNING UNIT, AND THE STANDARD UTILITIES SPECIFICATION OF THE CITY ENGINEERS ASSOCIATION OF MINNESOTA (CEAM), CURRENT EDITION.
- 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 VYSES 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.
- 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. FILL FROM A HYDRANT MUST BE METERED. MUST HAVE PHYSICAL BREAK OR 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 NEGATIVE PRIOR TO PUTTING THE TEMPORARY MAIN 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:
 - A. REUSE OF ON-SITE SOILS
 - B. GROUNDWATER AND RECOMMENDATIONS FOR EXCAVATION Dewatering.
 - C. SITE GRADING AND SURF GRADE PREPARATION.
 - D. PAVEMENTS AND EXTERIOR SLABS.
 - E. TRENCH EXCAVATION AND BACKFILL.
 - F. EXTERIOR UTILITY SUPPORTS.
 - G. 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 SPIRVS STANDARDS 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 SPIRVS. FOR ALL WET TAPS TO BE PERFORMED BY SPIRVS, 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 6" AND 4" DUCTILE IRON PIPE MUST BE CLASS 52. 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 POLYWRAP ENCASMENT AND SHALL BE INSTALLED UTILIZING MODIFIED METHOD A AS RECOMMENDED BY DIPRA. ENCASMENT 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 SPIRVS STANDARD PLATE D-10 FOR TYPICAL WATER MAIN OFFSETS.
- REFER TO SPIRVS 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@CITYSTPAUL.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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CADD QUALIFICATION

CADD files prepared by the Consultant for this project are 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.

SUBMITTALS/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	& 90% Submittal
10-16-24	City Comments
12-09-24	Sanitary Submittal
04-01-25	90% Submittal
04-21-25	Watermain Revisions
05-02-25	Construction Documents
01-26-26	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. Shope
 License No. 19624
 Date 04/21/25

QUALITY CONTROL

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

SHEET INDEX

SEE C0-1 COVER SHEET

SANITARY PROFILE TEMP. CONDITION

RECORD PLAN

C4-2B