



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. 1
 Application Date 5/25/22
 SPR File # 21-281743
 Permit No. 20223460401

Type of Permit (select one only):

- | | | |
|---|---|--|
| <input type="checkbox"/> 01 Roadway | <input checked="" 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 | <input type="checkbox"/> 06 Sanitary Sewer Collection | <input type="checkbox"/> 09 Bridge |

Phase:

2022
 Johnny Opara - Developer

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

520 Payne Ave. From the Woodward and Payne intersection proceeding North on Payne to the utility impacted area (approximately 50 ft).

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

Install two storm manholes and City storm main in Payne Ave. Due to the road being paved within 5 years, a full curb to curb mill and overlay from Woodward and Payne intersection North on Payne to the utility impacted area in Payne Ave. Striping to match existing to follow the mill and overlay.

Applicant Contact Person: Cory Craig- Doran Co	Contact Person Title: Project Engineer	Contact Person Telephone: 763.360.2194	Contact Person Email: cory.craig@dorancompanies.com
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Bond Co.: Berkshire Hathaway Specialty Insurance Company	Bond Amount: \$52,200	Bond No.: 47-SUR-300210-01-0008
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Insurance Co.: Citizens Insurance Company of America	Insurance Certificate No.: 480143187
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Permit Conditions:

Contractor to submit post-construction videos of new public sewers and manholes to Engineer of Record and Sewer Utility for review

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:

Nick Peterson
 Signature
 Nick Peterson
 Printed Name

Assistant City Engineer
 Title

6-9-2022
 Date

PERMIT NUMBER 20223460401

NO.	DATE	DESCRIPTION
05	12/17/2021	WATERSHED APPROVAL
06	01/20/2022	CSI-01
07	04/25/2022	CSI-03
08	06/30/2022	CSI-04
09	09/01/2022	CSI-05

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.

Taylor O. Rumph
TAYLOR O. RUMPH
LIC. NO.: 596663
DATE: 09/01/2022

**UTILITY PLAN
ISSUED FOR
RECORD DRAWING**

THE HOLLOWES
520 PAYNE AVE ST. PAUL, MINNESOTA

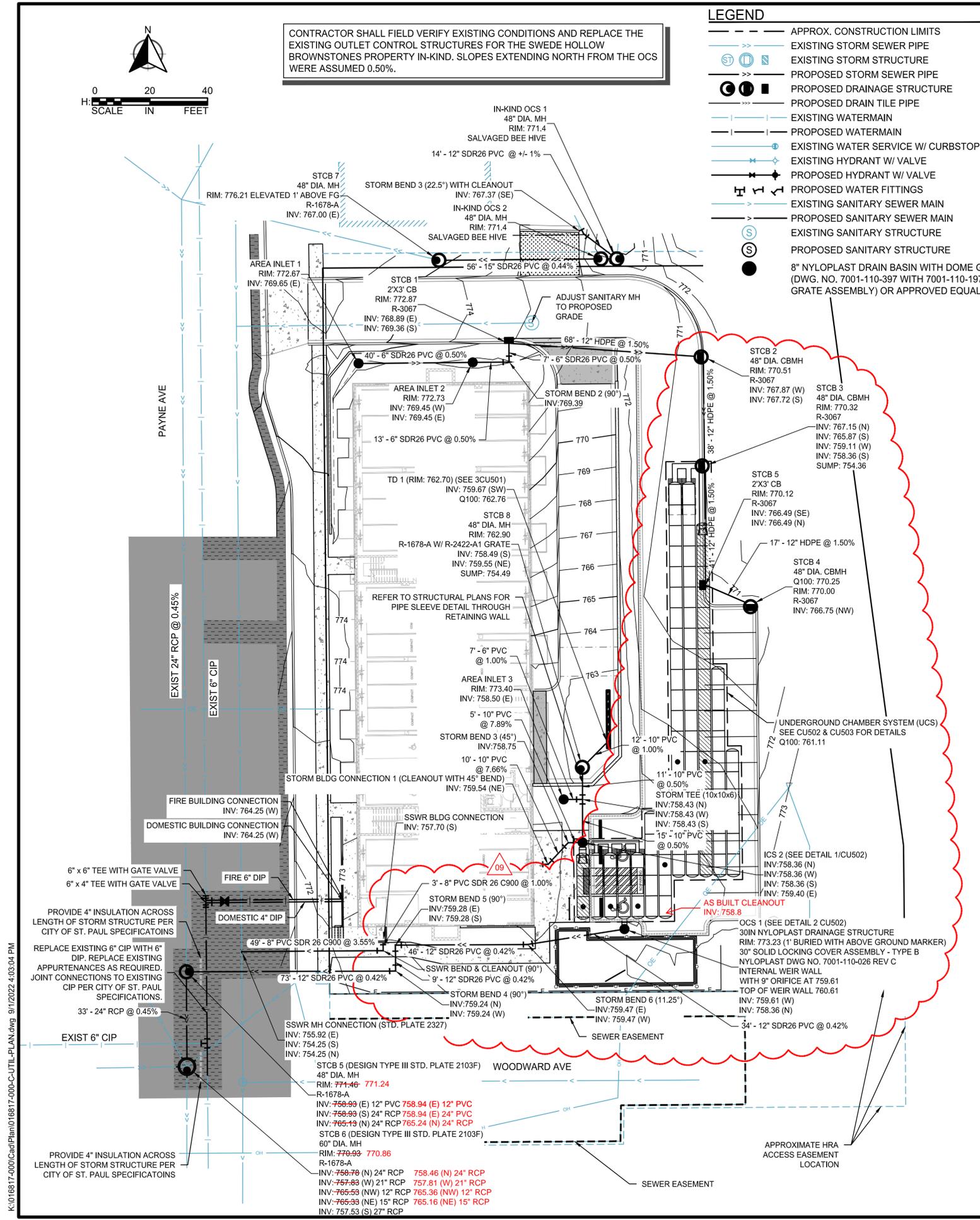
UTILITY NOTES

- RIMS SHOWN IN CURB HAVE A 2" SUMP BELOW THE GUTTERLINE ELEVATION
- EXISTING CONTOURS ARE NOT SHOWN TO MAINTAIN CLARITY OF SPECIFIED INFORMATION. REFER TO SHEETS CG101 FOR RELATIONSHIP OF STORM SEWER TO EXISTING GRADES.
- ALL UTILITIES WILL BE CONSTRUCTED PER CURRENT CITY OF ST. PAUL STANDARDS.
- INSTALL ALL WATER MAINS AND APPURTENANCES IN ACCORDANCE WITH LATEST CITY OF ST. PAUL STANDARD SPECIFICATIONS & DETAIL PLATES, AWWA AMERICAN WATERWORKS ASSOCIATION AND THE NATIONAL FIRE PREVENTION ASSOCIATION (NFPA) STANDARDS.
- COORDINATE INSPECTION AND TESTING FOR ALL UNDERGROUND UTILITIES WITH THE APPROPRIATE AUTHORITIES PRIOR TO COVERING TRENCHES. COMPLY WITH ALL LOCAL REQUIREMENTS. CONDUCT ALL TESTS TO THE SATISFACTION OF THE LOCAL AUTHORITIES.
- ALL UTILITIES AND CONDUITS SHALL TERMINATE 5' OUTSIDE THE FACE OF THE BUILDING UNLESS OTHERWISE NOTED.
- ALL EXISTING UTILITIES AND SERVICE LINES SHALL BE KEPT IN SERVICE AT ALL TIMES DURING CONSTRUCTION OF THIS PROJECT, UNLESS OTHERWISE AUTHORIZED BY OWNER OF UTILITY.
- REPORT ANY DISCREPANCIES TO THE ENGINEER. RECONNECT ALL SERVICES NOT MARKED FOR REMOVAL OR AS DIRECTED BY THE OWNER.
- IN THE EVENT OF A CONFLICT BETWEEN WATER LINES AND STORM OR SANITARY SEWER PIPING, ADJUST THE WATER LINE DOWNWARDS IN SUCH A MANNER SO THAT THE PIPE MANUFACTURER'S RECOMMENDATIONS ON PIPE DEFLECTION AND JOINT STRESS ARE NOT EXCEEDED. SEE NOTE 15 FOR ADDITIONAL REQUIREMENTS.
- CONDUCT A PRESSURE TEST ON ALL WATER MAIN AND FIRE PROTECTION LINES TO THE SATISFACTION OF THE LOCAL APPROVAL AUTHORITY AND THE OWNER'S INSURANCE CARRIER.
- THE CONTRACTOR SHALL ADJUST TO GRADE ALL WATER AND GAS VALVE BOXES AND MANHOLES THAT FALL WITHIN THE LIMITS OF THIS CONTRACT. THE CONTRACTOR SHALL KEEP ALL SAID WATER, GAS AND EXISTING SEWERS AND THEIR APPURTENANCES FREE OF DEBRIS AND OPERABLE AT ALL TIMES DURING CONSTRUCTION.
- A #11 AWG TRACER WIRE SHALL BE INSTALLED ON ALL NON-METALLIC PIPES, THE WIRE SHALL BE TAPED TO THE PIPE EVERY 20 FEET, AND SHALL BE CONTINUOUS AND ACCESSIBLE ABOVEGROUND AT ALL VALVES AND BUILDING RISERS.
- NOTIFY CRWD AT LEAST 24 HOURS BEFORE THE CONSTRUCTION OF STORMWATER BMPS.
- A 10-FOOT OUTSIDE TO OUTSIDE HORIZONTAL SEPARATION IS REQUIRED BETWEEN SEWER LINES AND/OR STRUCTURES AND POTABLE WATER LINES.
 - WHERE THIS PROVISION CANNOT BE MET BETWEEN SEWER LINES AND POTABLE WATER LINES, SEWER PIPES SHALL BE PRESSURE RATED PVC (C900, SCH 40, SCH 80 OR SDR 26 PER ASTM D2241).
 - SEWER STRUCTURES WITHIN 10' OF POTABLE WATER LINES SHALL BE CONSTRUCTED TO ENSURE WATER TIGHTNESS MEETING MINNESOTA DEPARTMENT OF HEALTH STANDARDS.
- MINIMUM 12-INCH VERTICAL SEPARATION REQUIRED AT ALL UTILITY CROSSINGS. POTABLE WATER LINES SHALL BE MINIMUM 18" ABOVE OR 18" BELOW SEWER LINES AT CROSSINGS. WHERE POTABLE WATER IS LOCATED BELOW OR LESS THAN 18" ABOVE SEWER LINES, SEWER PIPES SHALL BE PRESSURE RATED PVC (C900, SCH 40, SCH 80 OR SDR 26 PER ASTM D2241).
- CONTRACTOR SHALL IDENTIFY, FIELD VERIFY AND COORDINATE ALL EXISTING AND PROPOSED UTILITY CROSSINGS IN THE FIELD. REPORT CONFLICTS REQUIRING REDESIGN TO THE ENGINEER OF RECORD.
- REFER TO ELECTRICAL AND MECHANICAL PLANS FOR CONNECTIONS AT BUILDING FOR GAS, POWER AND COMMUNICATIONS. CONTRACTOR TO COORDINATE SERVICES WITH LOCAL UTILITY PROVIDERS, ARCHITECTURAL PLANS AND SPECIFICATIONS AND BUILDING CONTRACTOR PRIOR TO INSTALLATION.
- SEE 2/UC501 FOR PIPE BEDDING DETAILS.
- WATER SERVICES TO BE INSTALLED ACCORDING TO SPRWS "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 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. WHEN SOLID ROCK CONDITIONS ARE ENCOUNTERED, WATER SERVICES MAY BE INSTALLED WITH 6.5 FEET OF COVER. AT THIS DEPTH, THE NEED FOR INSULATION WILL BE DETERMINED BY SPRWS INSPECTORS
- 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 POLYWRAP 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.
- ALL PIPE WORK INSIDE OF PROPERTY TO BE PERFORMED BY A PLUMBER LICENSED BY THE STATE OF MINNESOTA AND CERTIFIED BY THE CITY OF SAINT PAUL. SPRWS REQUIRES SEPARATE OUTSIDE AND INSIDE PLUMBING PERMITS FOR EACH NEW WATER SERVICE.
- ALL UNUSED EXISTING WATER SERVICES TO BE CUT OFF BY SPRWS AT THE MAIN. EXCAVATION AND RESTORATION BY OWNER'S CONTRACTOR. CUT OFFS MUST BE PERFORMED PRIOR TO THE SCHEDULED TIME OF NEW INSTALLATION.
- SERVICES THAT ARE TO BECOME UNUSED UPON COMPLETION OF THE NEW SERVICE CONNECTION MUST BE CUT OFF BY SPRWS AT THE MAIN PRIOR TO THE TURN ON OF THE NEW SERVICES. EXCAVATION AND RESTORATION BY OWNER'S CONTRACTOR.
- WATER FACILITY PIPEWORK WITHIN RIGHT OF WAY TO BE INSTALLED BY SPRWS. EXCAVATION AND RESTORATION BY OWNER'S CONTRACTOR.
- THE CONTRACTOR PROVIDING EXCAVATION IS RESPONSIBLE FOR OBTAINING ALL EXCAVATION AND OBSTRUCTION PERMITS REQUIRED BY ANY GOVERNING AUTHORITY.
- IF THE PROPOSED PIPE HAS LESS THAN 2% SLOPE, LASER EQUIPMENT IS REQUIRED.
- PIPING WITHIN 10' OF THE BUILDING IS REQUIRED TO BE AIR TESTED. THE TESTING MUST BE COMPLIANT WITH THE MN STATE PLUMBING CODE 4714 SECTION 1109.0
- IF THE EXISTING MANHOLE FOR THE PROPOSED SEWER SERVICE CONNECTION IS A BRICK CONSTRUCTION, RECONSTRUCTION OF THE MANHOLE ACCESS MAY BE REQUIRED, PLEASE SEE 4/UC501 FOR MANHOLE RECONSTRUCTION.
- SEWER REMOVAL/ABANDONMENT PERMIT FOR A59521F: PLUMBING CONTRACTOR TO OBTAIN "REMOVAL PERMITS" FROM PUBLIC WORKS TO CUT OFF EXISTING SERVICES TO THE PROPERTY. CALL ST PAUL PW PERMIT DESK (651-266-6243) 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.
- PUBLIC SEWER EASEMENT APPROXIMATED BASED OFF STREET VACATION.

LEGEND

- APPROX. CONSTRUCTION LIMITS
- EXISTING STORM SEWER PIPE
- EXISTING STORM STRUCTURE
- PROPOSED STORM SEWER PIPE
- PROPOSED DRAINAGE STRUCTURE
- PROPOSED DRAIN TILE PIPE
- EXISTING WATERMAIN
- PROPOSED WATERMAIN
- EXISTING WATER SERVICE W/ CURBSTOP
- EXISTING HYDRANT W/ VALVE
- PROPOSED HYDRANT W/ VALVE
- PROPOSED WATER FITTINGS
- EXISTING SANITARY SEWER MAIN
- PROPOSED SANITARY SEWER MAIN
- EXISTING SANITARY STRUCTURE
- PROPOSED SANITARY STRUCTURE
- 8" NYLOPLAST DRAIN BASIN WITH DOME GRATE (DWG. NO. 7001-110-397 WITH 7001-110-197 GRATE ASSEMBLY) OR APPROVED EQUAL

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND REPLACE THE EXISTING OUTLET CONTROL STRUCTURES FOR THE SWEDE HOLLOW BROWNSTONES PROPERTY IN-KIND. SLOPES EXTENDING NORTH FROM THE OCS WERE ASSUMED 0.50%.



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