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PLAN LEGEND	
RIGHT OF WAY LINE	----
DITCH CENTERLINE	----
FENCE LINE	-----X-----
RETAINING WALL	=====
GRAVEL LINE	-----
GUARD RAIL LINE	-----
RAILROAD TRACK LINE	+++++
ROAD CENTERLINE	-----
TREE LINE	~~~~~
STREAM LINE	~~~~~
WETLAND LINE	-----
EX SANITARY LINE	----->>
PR SANITARY LINE	----->>
AB SANITARY LINE	-----AB-SAN-----
EX FORCEMAIN LINE	-----FM>>
PR FORCEMAIN LINE	-----FM>>
AB FORCEMAIN LINE	-----AB-FM-----
EX STORM LINE	----->
PR STORM LINE	----->
AB STORM LINE	-----AB-STRM-----
EX WATER LINE	-----W-----W-----
PR WATER LINE	-----W-----W-----
AB WATER LINE	-----AB-W-----
EX GAS LINE	-----GAS-----
PR GAS LINE	-----3" PE GAS-----
AB GAS LINE	-----AB-GAS-----
EX STEAM LINE	-----STEAM-----
AB STEAM LINE	-----AB-STEAM-----
UG CABLE TV LINE	-----UGTV-----
AB CABLE TV LINE	-----AB-CATV-----
UG ELECTRIC LINE	-----UGE-----
AB ELECTRIC LINE	-----AB-ELEC-----
UG FIBEROPTIC LINE	-----UGFO-----
AB FIBEROPTIC LINE	-----AB-FO-----
UG TELEPHONE LINE	-----UGT-----
AB TELEPHONE LINE	-----AB-TELE-----
OH UTILITIES	-----OH-----

SYMBOLS	
EX SANITARY MANHOLE	(SAN)
EX SANITARY CLEANOUT	(X)
EX STORM MANHOLE	(STRM)
EX STORM CATCHBASIN	(W)
EX. WATER MANHOLE	(W)
EX. WATER VALVE	(WV)
EX. WATER HYDRANT	(WV)
EX. WATER SHUTOFF	(WV)
EX. WATER & GAS MH	(W&G)
EX. GAS MANHOLE	(GAS)
EX. GAS VALVE	(GV)
EX. GAS SHUTOFF	(GV)
EX. STEAM MANHOLE	(STEAM)
EX. TELEPHONE MANHOLE	(T)
EX. ELECTRIC MANHOLE	(E)
EX. POWERPOLE	(P)
EX. LIGHT POLE	(L)
EX. ELECTRIC VAULT	(V)
EX. ANCHOR	(A)
EX. ELECTRIC TRANSFORMER	(ET)
EX. STREET LIGHT	(SL)
EX. SIGNAL W/ STREET LIGHT	(SL)
EX. HANDHOLE	(H.H.)
EX. HANDHOLE	(H.H.)
EX. TELEPHONE PEDESTAL	(TP)
EX. WELL	(W)
BENCHMARK	(BM)
FOUND CI MONUMENT	(FM)
EX. SIGN	(S)
CONTROL POINT	(CP)
EX DECIDUOUS TREE	(DT)
EX CONIFEROUS TREE	(CT)
EX. PARKING METER	(PM)
EX. SOIL BORING	(SB)

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

PLAN REVISIONS		
DATE	SHEET NO.	APPROVER



CITY OF DULUTH PROJECT NO. 2118

GOVERNING SPECIFICATIONS

THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN. AVAILABLE AT: <http://www.dot.state.mn.us/pre-letting/spec/index.html>

THE 2019 EDITION OF THE CITY OF DULUTH PUBLIC WORKS AND UTILITIES DEPARTMENT CONSTRUCTION STANDARDS AND SUPPLEMENTS OR ADDENDUMS SHALL APPLY. AVAILABLE AT: <http://www.duluthmn.gov/engineering/standard-construction-specifications/>

ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST MNUCD, INCLUDING THE LATEST FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

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1	TITLE
2	STATEMENT OF ESTIMATED QUANTITIES
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9	CONSTRUCTION PLAN
10	DRAINAGE PROFILES
11-15	LANDSCAPE PLAN
16-24	STORM WATER POLLUTION PREVENTION PLAN

---THIS PLAN CONTAINS 24 SHEETS---

DESIGN TEAM: JDO

I HEREBY CERTIFY THAT THIS PLAN 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.

NATHAN BRUNO

PROJECT ENGINEER (TYPED OR PRINTED NAME)

Nathan J Bruno
PROJECT ENGINEER

07/03/2025
DATE

46584
LIC. NO.

CITY APPROVAL

DocuSigned by:

Cari Pedersen

7/3/2025 | 14:21:52 C

APPROVED

CHIEF ENGINEER OF TRANSPORTATION

DATE

DocuSigned by:

Howard Smith, PE

7/3/2025 | 13:41:58 C

APPROVED

CHIEF ENGINEER OF UTILITIES

DATE

DocuSigned by:

Cindy Voigt

7/3/2025 | 14:10:06 C

APPROVED

CITY ENGINEER

DATE

DRAWN BY: JDO

SHEET NO. 1 OF 24