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i:\pww\engineer\projects\2000-2499\2222_storm_system_improvements\drawings\base\2222_title_sheet.dwg

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	—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

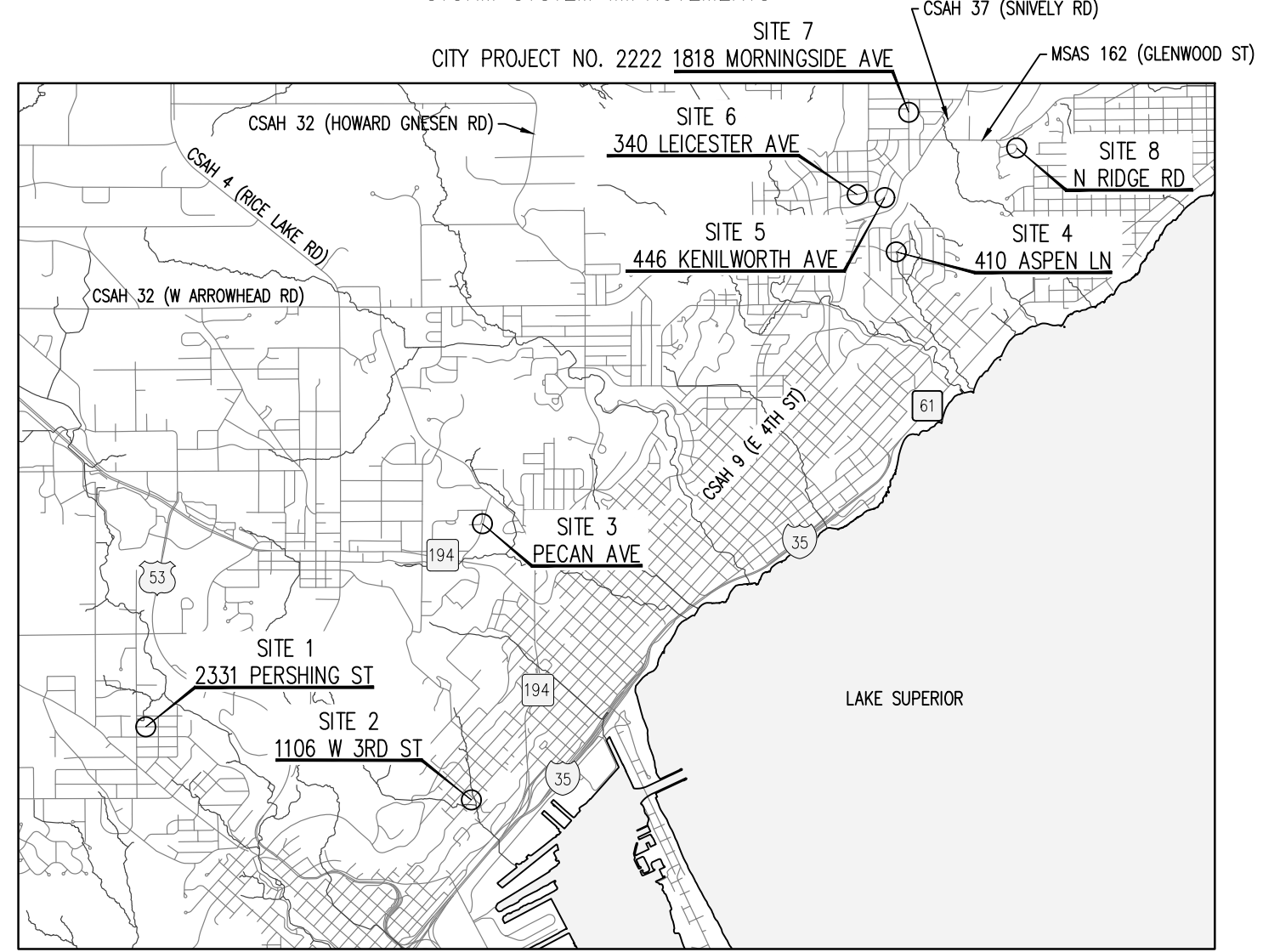
EX SANITARY MANHOLE	(SAN)
EX SANITARY CLEANOUT	(X)
EX STORM MANHOLE	(STRM)
EX STORM CATCHBASIN	(Hatched)
EX. WATER MANHOLE	(W)
EX. WATER VALVE	(V)
EX. WATER HYDRANT	(H)
EX. WATER SHUTOFF	(S)
EX. WATER & GAS MH	(W&G)
EX. GAS MANHOLE	(GAS)
EX. GAS VALVE	(GV)
EX. GAS SHUTOFF	(GS)
EX. STEAM MANHOLE	(STEAM)
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	(SS)
EX. HANDHOLE	(H.H.)
EX. HANDHOLE	(H.H.)
EX. TELEPHONE PEDESTAL	(TP)
EX. WELL	(W)
BENCHMARK	(B)
FOUND CI MONUMENT	(M)
EX. SIGN	(S)
CONTROL POINT	(CP)
EX DECIDUOUS TREE	(DT)
EX CONIFEROUS TREE	(CT)
EX. PARKING METER	(PM)
EX. SOIL BORING	(SB)

CITY OF DULUTH

DEPARTMENT OF PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

CONSTRUCTION PLANS FOR:

STORM SYSTEM IMPROVEMENTS



BASIS OF DATUM
1. HORIZONTAL DATUM IS SAINT LOUIS COUNTY TRANSVERSE MERCATOR 1996 (SLCTM_96)

PLAN REVISIONS		
DATE	SHEET NO.	APPROVER

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 UTILITY DATA".



GOVERNING SPECIFICATIONS

THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" AND THE "SUPPLEMENTAL SPECIFICATIONS" DATED SEPTEMBER 2022 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 MNUCTD, INCLUDING THE LATEST FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

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---THIS PLAN CONTAINS 51 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 J. BRUNO P.E.
PROJECT ENGINEER (TYPED OR PRINTED NAME)

Nathan J. Bruno 4/28/2026 46584
PROJECT ENGINEER DATE LIC. NO.

CITY APPROVAL

DocuSigned by:
Duncan Schwensohn 4/28/2026 | 21:04:22
APPROVED CHIEF ENGINEER OF TRANSPORTATION DATE

DocuSigned by:
Howard Smith, PE. 4/28/2026 | 17:04:22
APPROVED CHIEF ENGINEER OF UTILITIES DATE

Signed by:
Cindy Voigt 4/29/2026 | 06:51:12
APPROVED CITY ENGINEER DATE