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i:\pwu\engineer\projects\2000-2499\2069_stormwater_resiliency_planning_study\drawings\base\title.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	----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	(W&G)
EX. WATER SHUTOFF	(W&G)
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)

CITY OF DULUTH

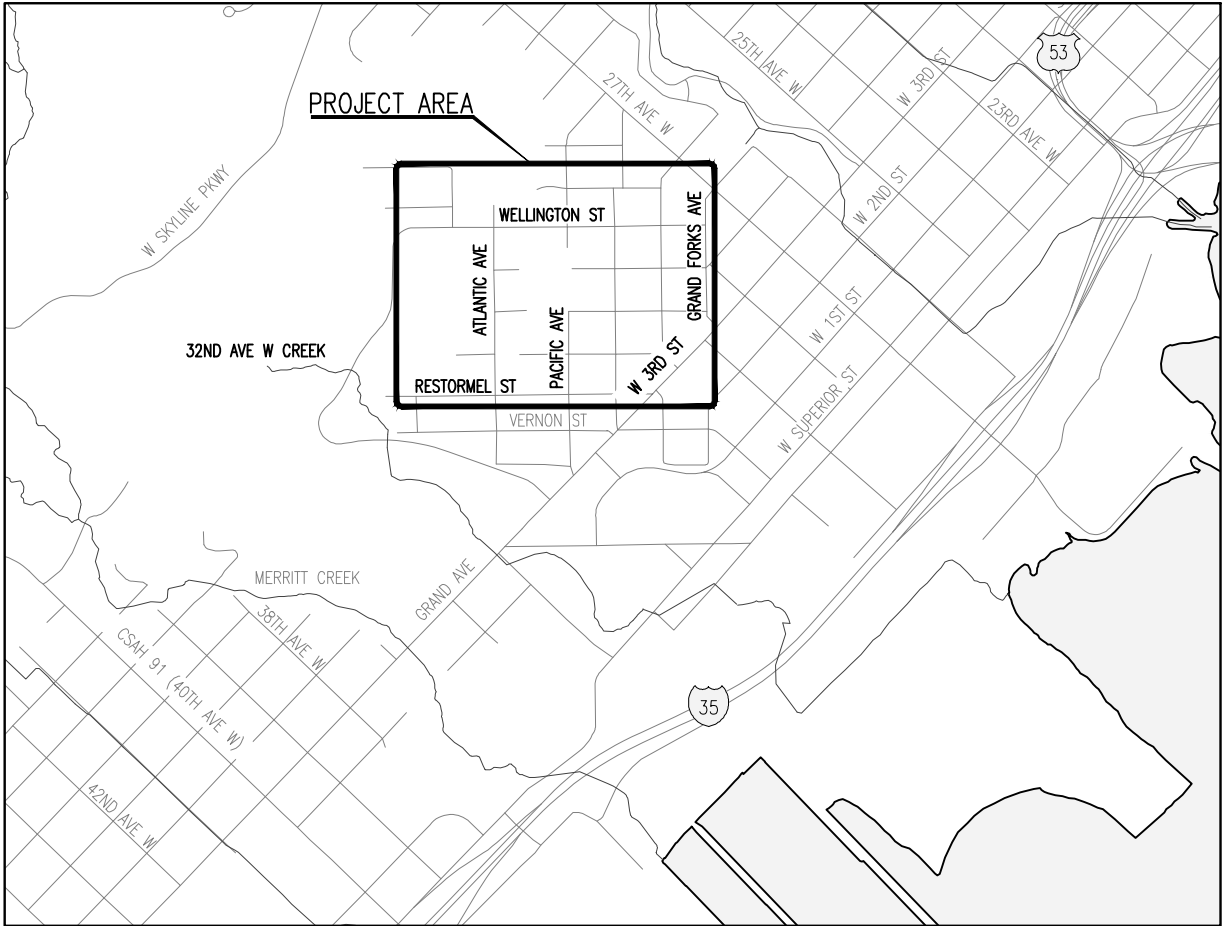
DEPARTMENT OF PUBLIC WORKS AND UTILITIES

ENGINEERING DIVISION

CONSTRUCTION PLANS FOR:

32ND AVE W CREEK WATERSHED STORMWATER RESILIENCY IMPROVEMENTS

CITY PROJECT NO. 2069



BASIS OF DATUM

- HORIZONTAL DATUM IS SAINT LOUIS COUNTY TRANSVERSE MERCATOR 1996 (SLCTM_96)
- VERTICAL DATUM IS NAVD 88

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. 2069

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 MNUTCD, INCLUDING THE LATEST FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

INDEX

SHEET NO	DESCRIPTION
1	TITLE
2	GENERAL LAYOUT
3-4	SEQ & NOTES
5-14	CHARTS
15-16	TYPICAL SECTIONS
17-32	CONSTRUCTION DETAILS
33-48	EXIST'G & REMOVAL
49-64	CONSTR. PLAN
65-75	SEWER PROFILES
76-93	INTERSECTION DETAILS
94-118	SWPPP
119-120	TRAFFIC CONTROL PLAN

---THIS PLAN CONTAINS 120 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

Signed by: PROJECT ENGINEER (TYPED OR PRINTED NAME)

Nathan Bruno

07/21/2025

46584

PROJECT ENGINEER

DATE

LIC. NO.

CITY APPROVAL

DocuSigned by:

Cari Pedersen

7/18/2025 | 11:25:01 CDT

APPROVED

CHIEF ENGINEER OF TRANSPORTATION

DATE

DocuSigned by:

Thomas Smith, PE

7/18/2025 | 10:50:42 CDT

APPROVED

CHIEF ENGINEER OF UTILITIES

DATE

Signed by:

Cindy Voigt

7/18/2025 | 09:29:16 CDT

APPROVED

CITY ENGINEER

DATE

DRAWN BY: JDO

SHEET NO. 1 OF 120