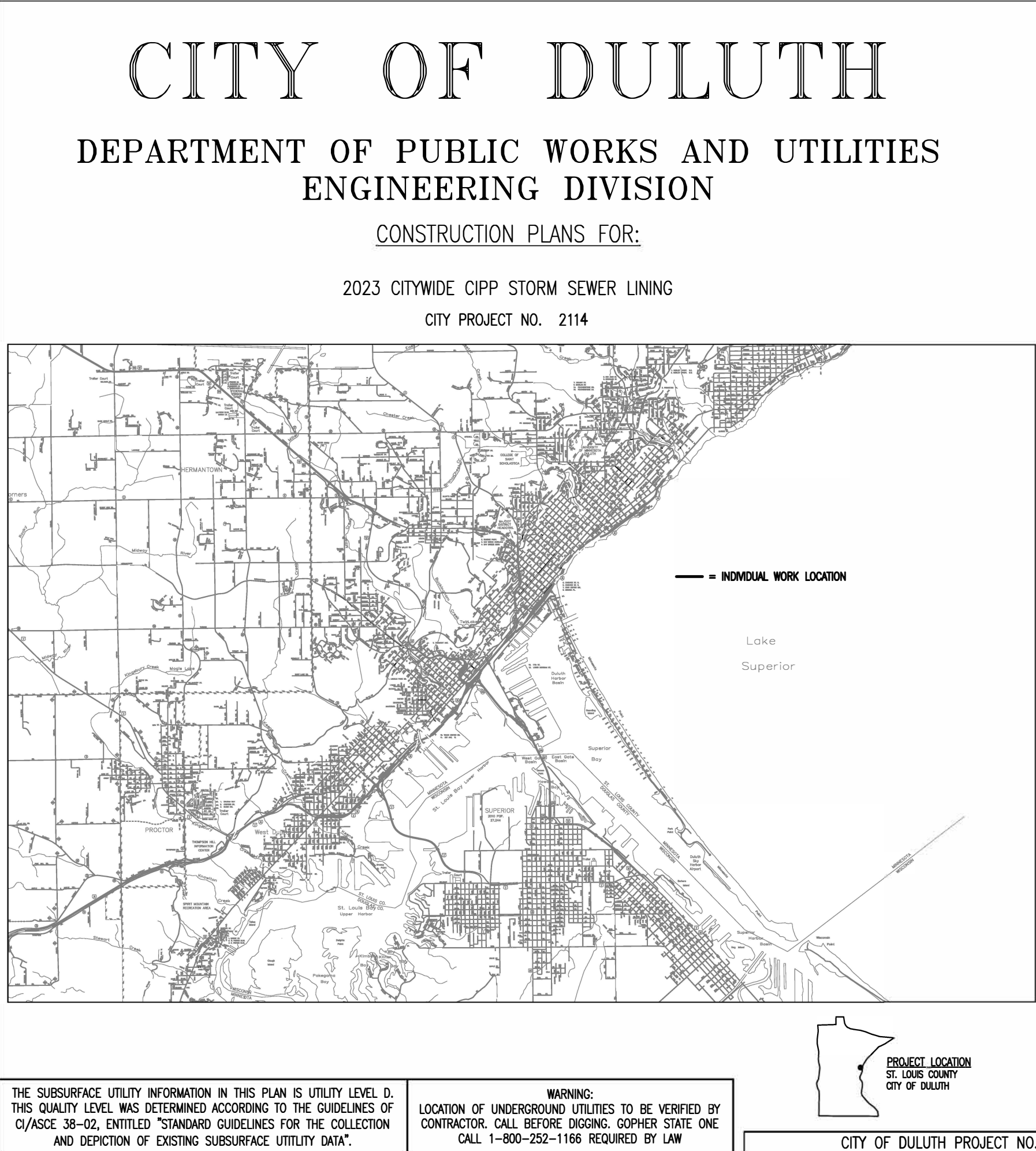


PLAN LEGEND	
RIGHT OF WAY LINE	----
DITCH CENTERLINE	----
FENCE LINE	----
RETAINING WALL	----
GRAVEL LINE	----
GUARD RAIL LINE	----
RAILROAD TRACK LINE	+++++
ROAD CENTERLINE	----
TREE LINE	~~~~~
STREAM LINE	~~~~~
WETLAND LINE	----
EX SANITARY LINE	----
PR SANITARY LINE	----
AB SANITARY LINE	----
EX FORCEMAIN LINE	----
PR FORCEMAIN LINE	----
AB FORCEMAIN LINE	----
EX STORM LINE	----
PR STORM LINE	----
AB STORM LINE	----
EX WATER LINE	----
PR WATER LINE	----
AB WATER LINE	----
EX GAS LINE	----
PR GAS LINE	----
AB GAS LINE	----
EX STEAM LINE	----
PR STEAM LINE	----
AB STEAM LINE	----
UG CABLE TV LINE	----
AB CABLE TV LINE	----
UG ELECTRIC LINE	----
AB ELECTRIC LINE	----
UG FIBEROPTIC LINE	----
AB FIBEROPTIC LINE	----
UG TELEPHONE LINE	----
AB TELEPHONE LINE	----
OH ELECTRIC LINE	----
OH TELEPHONE LINE	----
OH CABLE TV LINE	----

SYMBOLS	
EX SANITARY MANHOLE	(SAN)
EX SANITARY CLEANOUT	(X)
EX STORM MANHOLE	(STRM)
EX STORM CATCHBASIN	(WV)
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	(GAS)
EX. GAS SHUTOFF	(GAS)
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	(P)
EX. WELL	(W)
BENCHMARK	(B)
FOUND CI MONUMENT	(M)
EX. SIGN	(S)
CONTROL POINT	(C)
EX DECIDUOUS TREE	(D)
EX CONIFEROUS TREE	(C)
EX. PARKING METER	(P)
EX. SOIL BORING	(SB#)



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/>

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

INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	SEQ
3	CHARTS
4-5	OVERVIEW MAP
6	EROSION CONTROL
7	TRAFFIC CONTROL
8-9	DETAILS
10-29	CIPP PLAN

THIS PLAN CONTAINS 29 SHEETS

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.

TIM A. SANDERS

PROJECT ENGINEER (TYPED OR PRINTED NAME)

Tim A. Sanders

05/10/2023

50401

PROJECT ENGINEER

DATE

LIC. NO.

CITY APPROVAL

APPROVED

CHIEF ENGINEER OF TRANSPORTATION

DATE

APPROVED

CHIEF ENGINEER OF UTILITIES

DATE

APPROVED

CITY ENGINEER

DATE

114

DRAWN BY: PMR

SHEET NO. 1 OF 29