

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	(SAN) ⊗
EX STORM MANHOLE	(STRM)
EX STORM CATCHBASIN	(STRM) ⊗
EX WATER MANHOLE	(W)
EX WATER VALVE	(W) ⊗
EX WATER HYDRANT	(W) ⊙
EX WATER SHUTOFF	(W) ⊗
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	(E) ⊙
EX LIGHT POLE	(E) ⊙
EX ELECTRIC VAULT	(E) ⊙
EX ANCHOR	(E) ⊙
EX ELECTRIC TRANSFORMER	(ET)
EX STREET LIGHT	(E) ⊙
EX SIGNAL W/ STREET LIGHT	(E) ⊙
EX HANDHOLE	(H.H.)
EX HANDHOLE	(H.H.)
EX TELEPHONE PEDESTAL	(H.H.)
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#) (ELEV#)

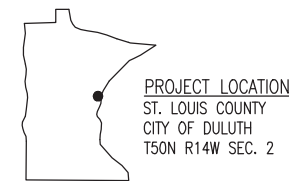
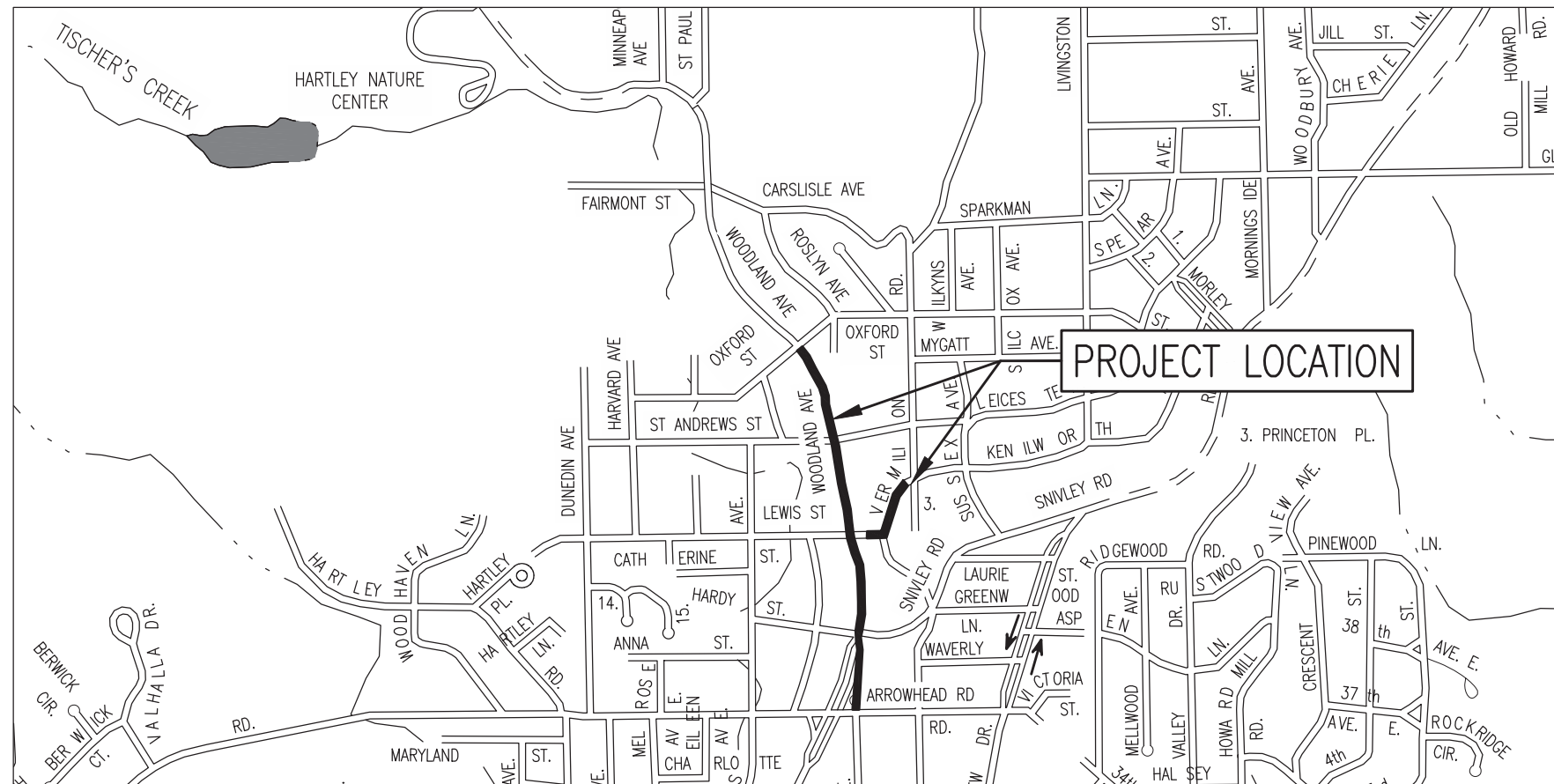
CITY OF DULUTH

DEPARTMENT OF PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

CONSTRUCTION PLANS FOR:

WOODLAND AVE GAS MAIN PHASE 3

CITY PROJECT NO. 1894



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".

WARNING:
LOCATION OF UNDERGROUND UTILITIES TO BE VERIFIED BY CONTRACTOR. CALL BEFORE DIGGING. GOPHER STATE ONE CALL 1-800-252-1166 REQUIRED BY LAW

GOVERNING SPECIFICATIONS

THE 2018 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 CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA".

WARNING:

LOCATION OF UNDERGROUND UTILITIES TO BE VERIFIED BY CONTRACTOR. CALL BEFORE DIGGING. GOPHER STATE ONE CALL 1-800-252-1166 REQUIRED BY LAW

INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	STATEMENT OF ESTIMATED QUANTITIES
3-4	SWPPP
5	EROSION CONTROL DETAILS
6	EROSION CONTROL PLANS
7-10	TRAFFIC CONTROL PLANS
11-12	CONSTRUCTION NOTES & DETAILS
13	TYPICAL SECTIONS
14-19	ADA CONSTRUCTION DETAILS
20-22	TEMPORARY GAS PLAN
23	GAS MAIN ABANDONMENT
24-28	GAS MAIN PLAN AND PROFILE
29	GAS MAIN PRESSURIZATION

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.

TIMOTHY SANDERS

PROJECT ENGINEER (TYPED OR PRINTED NAME)

Tim Sanders

PROJECT ENGINEER 03/10/2021 DATE 50401 LIC. NO.

CITY APPROVAL

DocuSigned by:

Cari Pedersen 4/7/2021
5CBDF26E53834EA... CHIEF ENGINEER OF TRANSPORTATION DATE

Eric R Shaffer 4/7/2021
49F9F0ACF03C4AA... CHIEF ENGINEER OF UTILITIES DATE

DocuSigned by:
Cindy Voigt 4/8/2021
3CE89AC02DB8436... CITY ENGINEER DATE