

# CITY OF DULUTH

## DEPARTMENT OF PUBLIC WORKS AND UTILITIES - ENGINEERING DIVISION

CONSTRUCTION PLANS FOR: 2023 LEAD WATER SERVICE REPLACEMENT - PHASE I  
 LOCATION: GARY NEIGHBORHOOD, DULUTH, MN  
 CITY PROJECT NUMBER: 2079

### LEGEND

	EXISTING WATER MAIN
	EXISTING GATE VALVE & HYDRANT
	WATER SERVICE & CURB STOP
	PROPOSED WATERMAIN, VALVE, & HYDRANT
	PROPOSED WATER SERVICE & CURB STOP
	EXISTING SANITARY SEWER & MANHOLE
	EXISTING FORCEMAIN
	EXISTING STORM SEWER & INLET
	PROPOSED STORM SEWER & INLET
	PROPOSED MANHOLE & SEWER MAIN
	BURIED ELECTRIC
	BURIED GAS & VALVE
	BURIED CABLE TELEVISION
	BURIED TELEPHONE
	BURIED FIBER OPTICS
	OVERHEAD UTILITY
	RAILROAD TRACKS
	EXISTING CURB & GUTTER
	PROPOSED CURB & GUTTER
	EXISTING SIDEWALK
	PROPOSED SIDEWALK
	EXISTING CULVERT PIPE
	PROPOSED CULVERT PIPE
	FENCE LINE
	DRAINAGE ARROW
	SILT FENCE
	RIGHT-OF-WAY
	BASELINE
	PROPERTY LINE
	TREE LINE
	BENCHMARK
	IRON PIPE
	IRON ROD
	CONTROL POINT
	UTILITY POLE & GUY
	SOIL BORING
	LIGHT POLE
	PEDESTAL
	STREET SIGN
	MAILBOX
	FLAGPOLE
	TREE - DECIDUOUS
	TREE - CONIFEROUS
	TREE TO BE REMOVED



**SITE LOCATION MAP**  
NOT TO SCALE

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF C/ASCE 38-2, 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" 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 QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF C/ASCE 38-2, 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 AS REQUIRED BY LAW.

**SHEET INDEX**

SHEET NO.	DESCRIPTION
G1	TITLE SHEET
G2	SEQ & GENERAL NOTES
G3 - 12	SEQ CHARTS
G13	EROSION CONTROL
G14	TRAFFIC CONTROL
G15 - 20	DETAILS
G21 - 23	STREET SECTION DETAILS
24	SITE ID OVERVIEW MAP
25 - 193	PLAN PAGES

THIS PLAN SET CONTAINS 193 SHEETS.

**PLAN PAGE EXCERPT  
 FOR LOCATION ONLY -  
 NOT FOR CONSTRUCTION**

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.

APPROVED: DATE: 04/27/2023 REG. NO. 52222  
 PROJECT ENGINEER NAME: JON LOYE  
 CITY APPROVAL  
 APPROVED: DATE: 5/11/23  
 CHIEF ENGINEER OF TRANSPORTATION  
 APPROVED: DATE: 5-11-23  
 CHIEF ENGINEER OF UTILITIES  
 APPROVED: DATE: 5-11-23  
 CITY ENGINEER

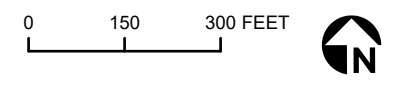
I HEREBY CERTIFY THAT THIS PLAN, REPORT OR  
SPECIFICATION WAS PREPARED BY ME OR UNDER MY  
DIRECT SUPERVISION AND THAT I AM A FULLY LICENSED  
PROFESSIONAL ENGINEER UNDER THE LAWS OF THE  
STATE OF MINNESOTA

DATE: APRIL 2023  
LICENSE NO. 52222  
*[Signature]*

**PLAN PAGE EXCEPT  
FOR LOCATION ONLY -  
NOT FOR CONSTRUCTION**



- GARY NEIGHBORHOOD
- PARCELS IN PLAN SET



**SITE ID OVERVIEW MAP  
GARY NEIGHBORHOOD  
DULUTH, MINNESOTA  
CITY PROJECT NUMBER: 2079  
2023 LEAD WATER  
SERVICE REPLACEMENT  
PHASE I**

