

# CITY OF DULUTH

## DEPARTMENT OF PUBLIC WORKS AND UTILITIES

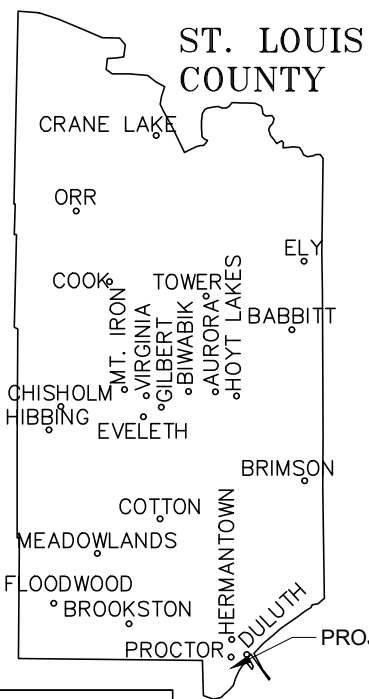
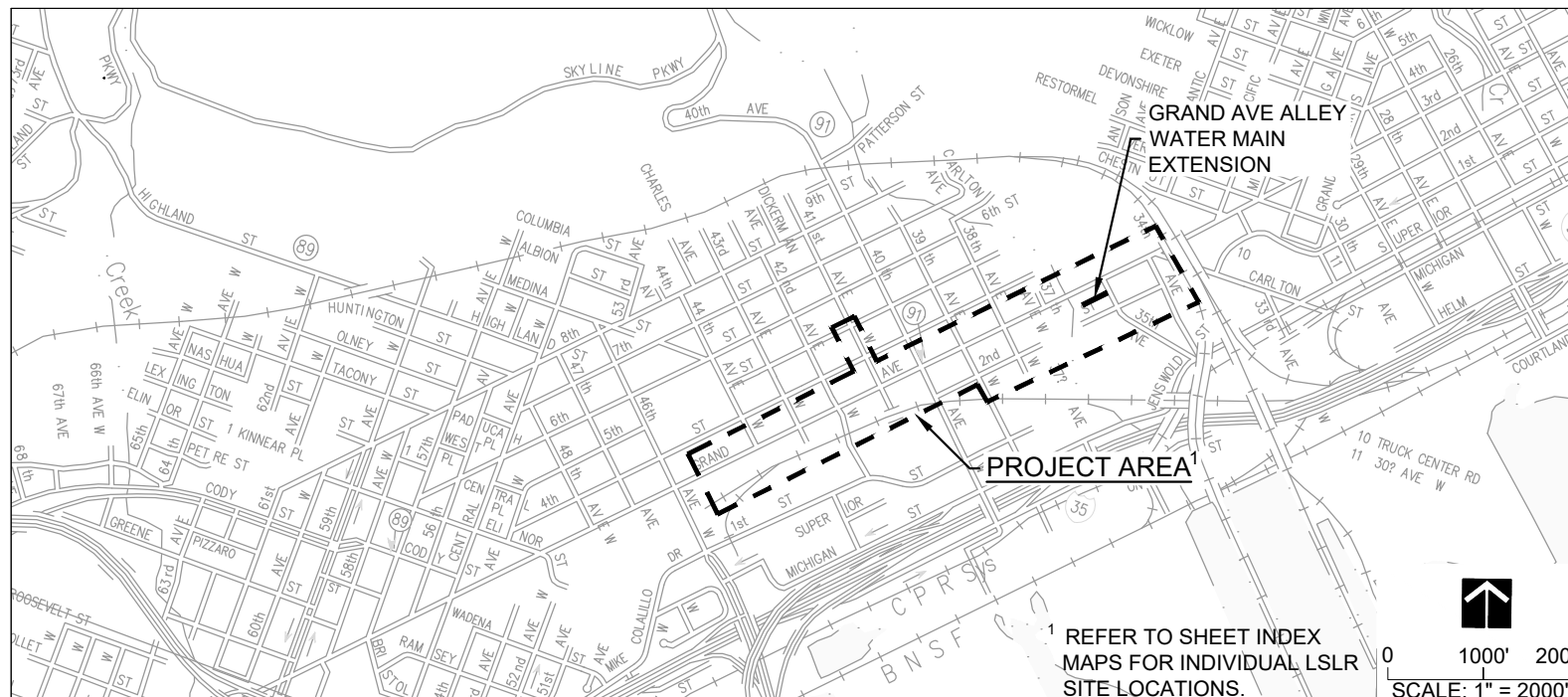
### ENGINEERING DIVISION

#### CONSTRUCTION PLAN FOR LEAD SERVICE LINE REPLACEMENT (LSLR) - DENFELD 1

LEAD WATER SERVICE LINE REPLACEMENT, GRADING, BASE, ROADWAY PAVEMENT, SIDEWALK, CURB & GUTTER, AND WATER MAIN EXTENSIONS

#### LOCATION

DENFELD NEIGHBORHOOD



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

SCALES	
SITE INDEX MAPS	1" = 150'
TRAFFIC CONTROL PLAN	1" = 500'
STREET TYPE OVERVIEW MAP	1" = 400'
SERVICE REPLACEMENT PLANS	1" = 30'



**UTILITY NOTE:**

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS UTILITY 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".

PLAN REVISIONS		
DATE	SHEET #	APPROVED BY

#### GOVERNING SPECIFICATIONS

- THE 2025 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.
- THE CITY OF DULUTH PUBLIC WORKS AND UTILITIES DEPARTMENT ENGINEERING DIVISION 2019 EDITION STANDARD CONSTRUCTION SPECIFICATION SHALL APPLY.
- ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST MN MUTCD, INCLUDING THE LATEST FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

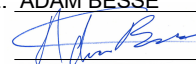
#### INDEX OF SHEETS

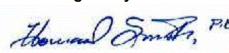
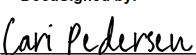
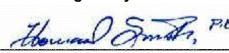
SHEET NO.	DESCRIPTION
1	TITLE SHEET AND INDEX MAP
I1-I3	SITE INDEX MAPS
Q1-Q2	STATEMENT OF ESTIMATED QUANTITIES
C1-C10	CONSTRUCTION CHARTS
D1-D12	CONSTRUCTION DETAILS
N1	CONSTRUCTION NOTES
ST1	STREET TYPE OVERVIEW MAP
T1-T2	TRAFFIC CONTROL PLANS
S1-S79	SERVICE REPLACEMENT PLANS
W1	WATER MAIN EXTENSION PLAN & PROFILE SHEET

- THIS PLAN CONTAINS 112 SHEETS -

DESIGNERS:  
 (LHB) I. LARSON, C. FARROW, A. THORSTENSEN, D. GAYNOR

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.

PRINT NAME: ADAM BESSE  
 SIGNATURE:   
 DATE: 02/27/2026 LIC. #: 52597

CITY APPROVALS	
 Howard Smith, PE	3/3/2026   12:03:2
APPROVED: DULUTH CITY ENGINEER	DATE
 Cari Pedersen	3/3/2026   12:10:3
APPROVED: DULUTH CHIEF ENGINEER OF TRANSPORTATION	DATE
 Howard Smith, PE	3/3/2026   12:03:2
APPROVED: DULUTH CHIEF ENGINEER OF UTILITIES	DATE

CITY OF DULUTH PROJECT: 2322

MPFA PROJECT: 1690011-21

SHEET 1 OF 112

