

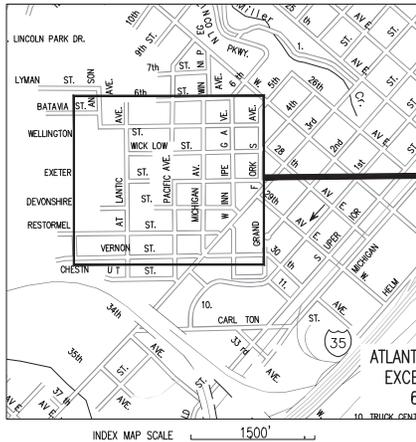
# CITY OF DULUTH

## DEPARTMENT OF PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

CONSTRUCTION PLANS FOR: DEVONSHIRE ST RECONSTRUCTION (GRADING, SURFACING, UTILITIES & SIDEWALK) AND LINCOLN PARK  
MIDDLE SCHOOL SAFE ROUTES TO SCHOOL IMPROVEMENTS (SIDEWALKS AND SHARED USE TRAIL)

CITY PROJ. NO. 2101/S.A.P. 118-591-009  
LOCATED ON - DEVONSHIRE ST BETWEEN - ATLANTIC AVE AND WESTERLY DEAD END  
S.A.P. 118-591-009  
LOCATED ON - DEVONSHIRE ST SHARED USE TRAIL BETWEEN - ATLANTIC AVE AND EASTERLY DEAD END  
LOCATED ON - DEVONSHIRE ST BETWEEN - PACIFIC AVE AND MICHIGAN AVE, INCLUDING RAMPS AT MICHIGAN AVE  
LOCATED ON - ATLANTIC AVE BETWEEN - VERNON ST AND EXETER ST, INCLUDING RAMPS AT VERNON ST AND EXETER ST  
LOCATED ON - ATLANTIC AVE RAMPS AT - WELLINGTON ST

CITY OF DULUTH, NO. 2101  
GROSS LENGTH 408.0 FEET 0.077 MILES  
BRIDGES-LENGTH NA FEET NA MILES  
EXCEPTIONS-LENGTH NA FEET NA MILES  
NET LENGTH 408.0 FEET 0.077 MILES

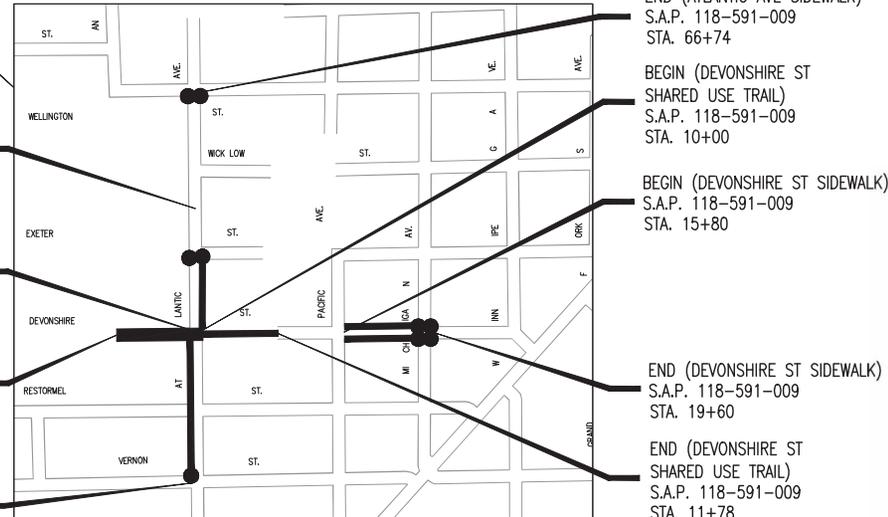


ATLANTIC AVE SIDEWALK  
EXCEPTION AREA STA.  
60+09 TO 66+39

END (DEVONSHIRE ST  
RECONSTRUCTION)  
CITY PROJ. NO. 2101  
S.A.P. 118-591-009  
STA 4+12

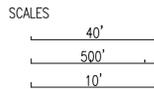
BEGIN (DEVONSHIRE ST  
RECONSTRUCTION)  
CITY PROJ. NO. 2101  
S.A.P. 118-591-009  
0+04

BEGIN (ATLANTIC AVE  
SIDEWALK)  
S.A.P. 118-591-009  
STA 50+80



### BASIS OF DATUM

- 1. HORIZONTAL DATUM IS SAINT LOUIS COUNTY TRANSVERSE MERCATOR 1996 (SLCTM\_96).
- 2. VERTICAL DATUM IS NAVD 88 USING VERTICAL CONTROL MONUMENT "NGS W-27, PID: RN0004, DISK IN RR PIER." (EL=668.76).



DESIGN DESIGNATION - SHARED USE TRAIL  
S.A.P. 118-591-009

DESIGN SPEED , 10, MPH  
BASED ON STOPPING SIGHT DISTANCE  
HEIGHT OF EYE , 3.83' , HEIGHT OF OBJECT 0.0'  
DESIGN SPEED NOT ACHIEVED AT:  
NOT APPLICABLE

PLAN REVISIONS		
DATE	SHEET NO.	APPROVER

### WARNING:

LOCATION OF UNDERGROUND UTILITIES TO BE VERIFIED BY CONTRACTOR. CALL BEFORE DIGGING. GOPHER STATE ONE CALL 1-800-252-1166 REQUIRED BY LAW  
THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY LEVEL D.  
THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-22, ENTITLED, "STANDARD GUIDELINES FOR INVESTIGATING AND DOCUMENTING EXISTING UTILITIES".

11 E. Superior Street,  
Suite 420  
Duluth, MN 55802  
218.724.4579  
tda.com



### GOVERNING SPECIFICATIONS

THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" AND THE SUPPLEMENTAL SPECIFICATIONS DATED SEPTEMBER 2022 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 AND SIGNING SHALL CONFORM TO THE MN MUTCD, INCLUDING THE FIELD MANUAL DATED JANUARY 2018

AVAILABLE AT:  
<http://www.dot.state.mn.us/trafficeng/publ/fieldmanual/index.html>

### SHEET INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	PROJECT LOCATIONS
3-4	STATEMENT OF ESTIMATED QUANTITIES
5	GENERAL REQUIREMENTS, NOTES & LEGEND
6-13	SCHEDULES
14-15	WATERMAIN DETAILS
16-18	ROADWAY & TRAIL TYPICAL SECTIONS
19-28	MnDOT STANDARD PLANS
29	DRIVEWAY PAR TABLE
30-31	DETAILS
32	DEVONSHIRE ST RECONSTRUCTION REMOVALS
33	DEVONSHIRE ST RECONSTRUCTION LAYOUT
34	DEVONSHIRE ST RECONSTRUCTION PLAN AND PROFILE
35	DEVONSHIRE ST WATER PLAN AND PROFILE
36-37	DEVONSHIRE ST STORM AND SANITARY PLAN AND PROFILES
38-39	DEVONSHIRE ST PEDESTRIAN CROSSINGS
40	DEVONSHIRE ST SHARED USE TRAIL
41	DEVONSHIRE ST RECONSTRUCTION & SHARED USE TRAIL SIGNAGE
42-43	DEVONSHIRE ST SIDEWALK IMPROVEMENTS
44-49	ATLANTIC AVE SIDEWALK IMPROVEMENTS
50	BIKE RACK LAYOUT
51	EROSION CONTROL AND RESTORATION LAYOUT
52-54	CROSS SECTIONS
55-56	TRAFFIC CONTROL

THIS PLAN CONTAINS 56 SHEETS

DESIGN TEAM: TSM, FRM, JSG

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.

JEFFREY S. GOETZMAN

PROJECT ENGINEER (TYPED OR PRINTED NAME)

*J. Goetzman* 05/15/2023 26422  
PROJECT ENGINEER DATE LIC. NO.

DocuSigned by: **CITY APPROVAL** 5/12/2023

DocuSigned by: *Cari Pedersen* ENGINEER OF TRANSPORTATION DATE  
DocuSigned by: *Tom Paffr* 5/12/2023

DocuSigned by: *Cindy Wright* CHIEF ENGINEER OF UTILITIES DATE  
3CE89AC02DB8436... 5/13/2023

CITY ENGINEER DATE  
**STATE APPROVAL**

*K. [Signature]* 5/16/2023  
DISTRICT STATE AID ENGINEER: REVIEWED FOR COMPLIANCE DATE

WITH STATE AID AND POLICY  
*[Signature]* 5/18/2023

APPROVED FOR STATE AID FUNDING: STATE AID ENGINEER DATE

STATE AID PROJECT NUMBER - S.A.P 118-591-009

CITY OF DULUTH PROJ. NO 2101

SHEET NO. 1 OF 56 SHEETS

7:42 AM

5/11/2023

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