Purchasing Division, Finance Department
218-730-5340 | purchasing@duluthmn.gov
Room 120 | 411 West First Street | Duluth, Minnesota 55802
www.duluthmn.gov

Addendum #1
Solicitation #26-99414
2026 Street Preservation-Lincoln Park, Goat Hill

This addendum serves to notify all bidders of the following changes to the solicitation documents:

This Addendum is issued to modify, explain or correct the original drawings, specifications and/or previous addenda and is hereby made a part of the Contract Documents.

GENERAL

Descriptions of changes to drawings are for reference only and provide only a general overview of changes made. It is the Contractor's responsibility to fully assess and provide the specific requirements of the Work on all Plan sheets regardless of the description of sheet change(s) provided herein.

BID ITEMS

Summary of changes:

1. Delete these striping pay items:
    a. 6" BROKEN LINE MULTI-COMP GROUND IN (WR)
    b. 6" DOUBLE SOLID LINE MULTI-COMP GROUND IN (WR)
    c. 6" SOLID LINE MULTI-COMP GROUND IN (WR)

2. Replace with:
    a. 6" BROKEN LINE PAINT
    b. 6" DOUBLE SOLID LINE PAINT
    c. 6" SOLID LINE PAINT

3. All quantities stay the same.

DRAWINGS

Changes to drawing and tabs are in reference to 2582, striping pay items.

1. Drawing changes to the CONSTRUCTION DETAILS are as follows:
    a. Sheet 1, Delete sheet 1 in its entirety and replace with revised Sheet 1.
    b. Sheet 5, Delete Sheet 5 in its entirety and replace with revised sheet 5.
    c. Sheet 34, Delete Sheet 34 in its entirety and replace with revised sheet 34.
    d. Sheet 38, Delete Sheet 38 in its entirety and replace with revised sheet 38.
    e. Sheet 39, Delete Sheet 39 in its entirety and replace with revised sheet 39.

f. Sheet 40, Delete Sheet 39 in its entirety and replace with revised sheet 40.
g. Sheet 52, Delete Sheet 52 in its entirety and replace with revised sheet 52.
h. Sheet 55, Delete Sheet 55 in its entirety and replace with revised sheet 55.
i. Sheet 122, Delete Sheet 122 in its entirety and replace with revised sheet 122.
j. Sheet 124, Delete Sheet 124 in its entirety and replace with revised sheet 124.
k. Sheet 125, Delete Sheet 125 in its entirety and replace with revised sheet 125.

2. The Wadena Street plan sheets are missing the F-TURF ESTABLISHMENT tab.
    a. Missing information on that tab is:
    SITE RESTORATION (EA) =1 and the area for Wadena Street restoration is 7451 SF.

Please acknowledge receipt of this Addendum by checking the acknowledgement box within the solicitation at www.bidexpress.com.

Posted: **April 15 2026**

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CITY OF DULUTH

DEPARTMENT OF PUBLIC WORKS AND UTILITIES
ENGINEERING DIVISION

2026 STREET PRESERVATION PROJECT

CONSTRUCTION PLANS FOR: MIILLING, FULL DEPTH RECLAMATION, BITUMINOUS OVERLAY, CONCRETE CURB & GUTTER, CONCRETE DRIVEWAY, SIDEWALK AND STORMWATER IMPROVEMENTS

CITY OF DULUTH PROJECT NO. 2317

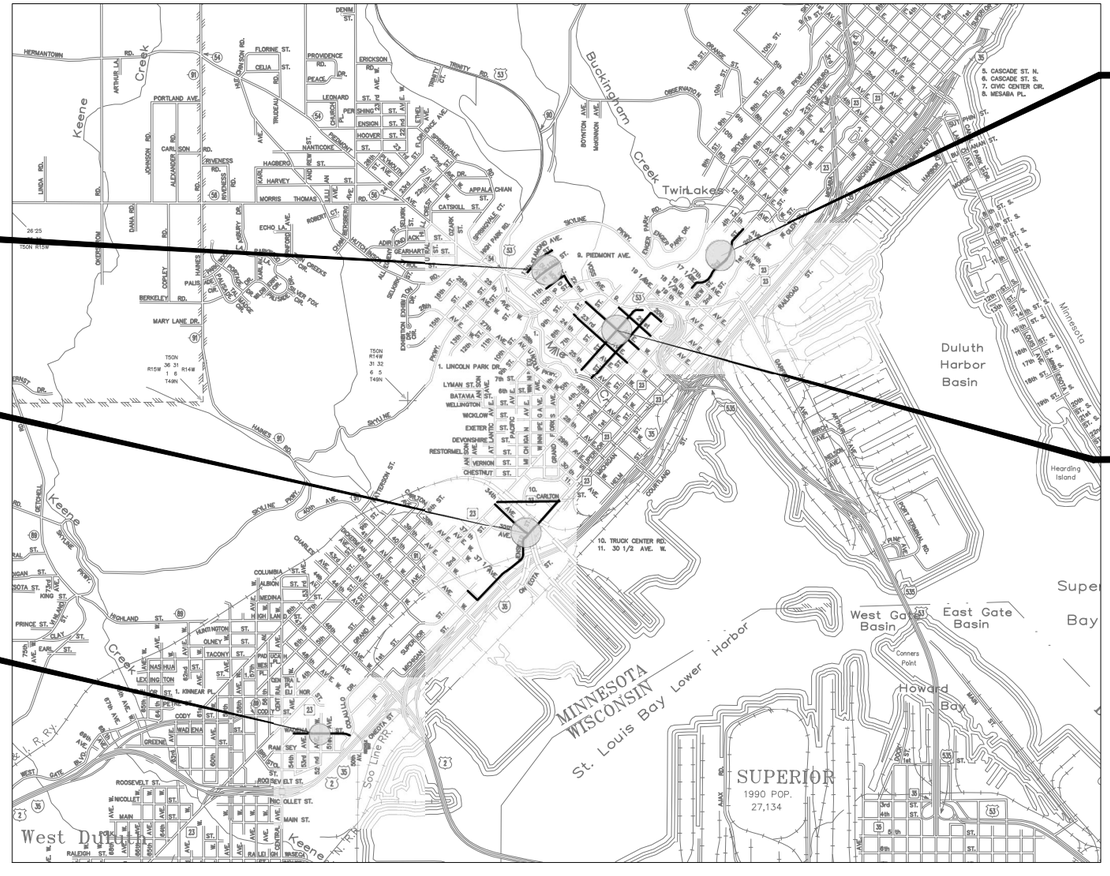
PROJECT SITES
W. 13TH ST.
W. 12TH ST.
W. 11TH ST.
N. 22ND AVE. W.

PROJECT SITES
W. CARLTON ST.
W. SUPERIOR ST.
W MICHIGAN ST.
34TH AVE W.
39TH AVE W.

PROJECT SITE
WADENA ST.

PROJECT SITES
W. 3RD ST.

PROJECT SITE
W. 5TH ST.
W. 4TH ST.
N. 21ST AVE. W.
N. 22ND AVE. W.
N. 23RD AVE. W.



PROJECT LOCATION
ST. LOUIS COUNTY
CITY OF DULUTH

SCALES

PLAN	1"=40', 1"=20'
SITE MAP	1:2,000

GROSS LENGTH	21,767	FEET	4.123	MILES
BRIDGES–LENGTH	00	FEET	0000	MILES
EXCEPTIONS–LENGTH	00	FEET	0000	MILES
NET LENGTH	21,767	FEET	4.123	MILES

BASIS OF DATUM

1. HORIZONTAL DATUM IS SAINT LOUIS COUNTY TRANSVERSE MERCATOR 1996 (SLCTM_96)
2. VERTICAL DATUM IS NAVD 88

Know what's below. Call before you dig.

SEH
PHONE: 218.279.3000
418 W SUPERIOR ST,
STE 200
DULUTH, MN 55802-1512
www.sehinc.com

PLAN REVISIONS		
DATE	SHEET NO.	APPROVER
4/10/2026	5, 34, 38, 39, 40, 52, 55, 122, 124, 125	MWH

GOVERNING SPECIFICATIONS
THE 2025 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 2026 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/

UTILITIES
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 UTITLITY 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.

TRAFFIC CONTROL
ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM AND BE INSTALLED IN ACCORDANCE WITH THE CURRENT "MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MnMUTCD), INCLUDING THE LATEST FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	STREET INDEX
3	PROJECT MAP
4	GENERAL NOTES
5-6	STATEMENT OF ESTIMATED QUANTITIES
7-21	MNDOT CONSTRUCTION DETAILS
22-32	CITY CONSTRUCTION DETAILS
33-44	W. SUPERIOR ST
45-51	N. 34TH AVE. W.
52-56	CARLTON ST.
57-66	W. 13TH ST.
67-72	W. 12TH ST.
73-83	W. 11TH ST. & N 22ND AVE W
84-93	W. 4TH ST. & N 20TH AVE W
94-102	W. 5TH ST.
103-110	N. 23RD AVE. W.
111-117	N. 22ND AVE W.
118-121	N. 21ST AVE. W.
122-125	W. 3RD ST.
127-136	WADENA ST.
137-141	TRAFFIC CONTROL
142-144	SWPPP

THIS PLAN CONTAINS **144** SHEETS

DESIGN TEAM: SEH

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.

MATT W. HENDERSON
PROJECT ENGINEER (TYPED OR PRINTED NAME)

PROJECT ENGINEER	DATE	LIC. NO.
Matthew Henderson	03/25/2026	62637

CITY APPROVAL

DocuSigned by: Cari Pedersen 5CBD5285E9834F5... 3/26/2026 | 08:44:32 CD
APPROVED — CHIEF ENGINEER OF TRANSPORTATION — DATE

DocuSigned by: Howard Smith, P.E. 410CF008DC92745E... 3/26/2026 | 16:43:07 C
APPROVED — CHIEF ENGINEER OF UTILITIES — DATE

Signed by: Cindy Voigt 169BC01A236A4E8... 3/26/2026 | 09:43:05 CD
APPROVED — CITY ENGINEER — DATE

CITY OF DULUTH PROJECT NO. 2317 | DRAWN BY: SEH | SHEET NO. 1 OF 144

Save: 3/25/2026 3:35 PM aorleskie Plot: 3/25/2026 3:50 PM X:\AE\D\DULUT\186067\5-final-dsgn\51-drawings\10-Civil\cad\dwg\sheet\DU186067TL.dwg

STATEMENT OF ESTIMATED QUANTITIES

NOTE	LINE NO.	ITEM NO.	ITEM DESCRIPTION	UNIT	UNDISTRUBUTED	39TH AVE MICHIGAN ST SUPERIOR ST	34TH AVE	CARLTON ST	13TH ST	12TH ST	11TH ST 22ND AVE	4TH ST 20TH AVE	5TH ST	23RD AVE	22ND AVE	21ST AVE	3RD ST	WADENA ST	TOTAL QUANTITY
	1	2021.501	MOBILIZATION	LUMP SUM	1														1
	2	2104.502	REMOVE CASTING	EACH		5	1				1			1				2	10
	3	2104.502	REMOVE CONCRETE STEPS	EACH					1	7	4	1	7						20
2	4	2104.502	REMOVE MANHOLE OR CATCH BASIN	EACH		9	2	7		1	3	2	2	6	3		1	22	58
	5	2104.502	REMOVE PIPE APRON	EACH		1													1
	6	2104.502	REMOVE VALVE BOX	EACH		2													2
3	7	2104.502	SALVAGE SIGN	EACH		1			1				4	3			5		14
5,10	8	2104.503	REMOVE CURB & GUTTER	LIN FT		2375	850	230	245	724	393	1398	1145	775	595	260		1550	10540
	9	2104.503	REMOVE SEWER PIPE (STORM)	LIN FT		294	68			8	42	62	70	83	209		126	1297	2259
10,31	10	2104.503	SALVAGE STONE CURB	LIN FT													1725		1725
5,6	11	2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT		79	20	90	81	44	27	93	13	167	180	59	146	112	1111
5	12	2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT		122		260	11	13	30								436
	13	2104.504	REMOVE BITUMINOUS DRIVEWAY PAVEMENT	SQ YD			38		20		77		25						160
37	14	2104.504	REMOVE CONCRETE PAVEMENT	SQ YD		182	175	409	90	30	110	703	143	552	100	127		163	2784
7	15	2104.518	REMOVE CONCRETE WALK	SQ FT		9375	1170	1494	3383	2844	2797	11348	5776	5393	2048	2369	410	3546	51953
	16	2106.507	EXCAVATION - COMMON	CU YD		30											880		910
	17	2106.507	EXCAVATION - ROCK	CU YD													377		377
10	18	2106.603	CONSTRUCT DRAINAGE DITCH	LIN FT		20													20
	19	2118.507	AGGREGATE SURFACING (CV) CLASS 5	CU YD			11												11
38	20	2211.507	AGGREGATE BASE (CV) CLASS 5	CU YD		90	41		20	4	19	28	31	37	93		49	591	1003
12,13	21	2215.504	FULL DEPTH RECLAMATION	SQ YD					1946		785							4687	7418
14	22	2215.507	HAUL FULL DEPTH RECLAMATION (LV)	CU YD					48		152							512	712
12	23	2232.604	MILL BITUMINOUS PAVEMENT SPECIAL (2.0")	SQ YD		13786	4196	6572	490	1940	1560	8622	6310	4556	4149	3684	6111		61976
16	24	2301.504	CONCRETE PAVEMENT 12.0"	SQ YD		10													10
17,32	25	2360.509	TYPE SP 12.5 NON WEAR COURSE MIX (3,B) (SPNWB330B)	TON					234		94							562	890
17,32,40	26	2360.509	TYPE SP 9.5 WEARING COURSE MIX (3,C) (SPWEA340C)	TON		1654	512	789	234	233	258	1035	691	547	498	442	733	422	8047
18,36	27	2411.607	CONCRETE STEPS	CU YD					1.0	4.0	4.0	1.0	3.5						13.5
	28	2501.502	12" RC PIPE APRON	EACH		1													1
	29	2501.502	15" RC PIPE APRON	EACH													4		4
10	30	2502.603	6" PERF PE PIPE DRAIN SPECIAL	LIN FT		1229	773	52	1020	494	330	616	392		132			1460	6498
10	31	2502.602	CONNECT TO EXISTING PIPE DRAIN	EACH					13	10	5							5	33
36	32	2503.503	12" RC PIPE SEWER CLASS V	LIN FT						8		30	70	8	209			351	676
36	33	2503.503	15" RC PIPE SEWER CLASS V	LIN FT		202	23		45		42			42			110		464
36	34	2503.503	18" RC PIPE SEWER CLASS V	LIN FT			70											550	620
36	35	2503.503	24" RC PIPE SEWER CLASS V	LIN FT								32		33				221	286
36	36	2503.503	36" SPAN RC PIPE-ARCH SEWER CLASS IIIA	LIN FT														207	207
	37	2503.602	CONNECT TO EXISTING STORM SEWER	EACH		6	3	18		4	2	6	8	9	1		2	4	63
	38	2503.602	CONSTRUCT BULKHEAD	EACH		2				1									3
	39	2504.602	ADJUST CURB BOX	EACH	10	2			5										17
19,34	40	2504.602	ADJUST VALVE BOX	EACH		1	2	2			1	1	2	2			1	1	13
2,21,35,36	41	2506.502	ADJUST FRAME & RING CASTING	EACH		9	5	3	4	4	3	18	11	14	5	7	5	6	94
21,27,36	42	2506.502	CASTING ASSEMBLY	EACH		14	4	7	2	1	4	2	3	7	3		2	24	73
	43	2506.503	CONST DRAINAGE STRUCTURE DES 48-4020	LIN FT		13.70	9.65	50.76		5.93	9.60		16.36	9.89			6.59	44.47	166.96
	44	2506.503	CONST DRAINAGE STRUCTURE DES 60-4020	LIN FT		4.51								29.35				5.62	39.48
	45	2506.503	CONST DRAINAGE STRUCTURE DES 72-4020	LIN FT			10.77											20.41	31.18
	46	2506.503	CONST DRAINAGE STRUCTURE DESIGN H	LIN FT		10.75	2.96	5.56	8.22		4.79	3.96		5.92	12.07			23.89	78.12
10,21	47	2506.503	RECONSTRUCT DRAINAGE STRUCTURE	LIN FT		14	2	8		2	5	31	22	22	10	12	7		135
21,36	48	2506.602	CONCRETE ENCASED CASTING COLLAR	EACH		3			2		1	7	9	4		6		4	36
20,34,36	49	2506.602	CONCRETE ENCASED VALVE BOX COLLAR	EACH		3			5		1			1				3	13
	50	2506.602	CONNECT TO EXISTING STRUCTURE	EACH		2	1		2			1	2	2	4			1	15
22,36	51	2521.518	4" CONCRETE WALK	SQ FT		8680	1041	1354	3315	2365	2745	9705	4626	4840	1420	2333	479	1410	44313
22,36	52	2521.518	6" CONCRETE WALK	SQ FT		293	129	139	254	211	73	1643	1093	553	628	36		1230	6282
10,23,30,36,39	53	2531.503	CONCRETE CURB & GUTTER DESIGN B624	LIN FT		2390	850	230	1424	662	863	1398	1037	775	595	260	112	1549	12145
24,26	54	2531.504	8" CONCRETE DRIVEWAY PAVEMENT	SQ YD		181	175	409	92	34	197	703	69	552	100	14		145	2671
	55	2531.618	TRUNCATED DOMES	SQ FT		82	40	24	36	36	12	316	208	128	104			226	1212
36	56	2540.602	CONSTRUCT SURVEY MONUMENT	EACH				2	1		1			1			1		6
	57	2563.601	TRAFFIC CONTROL	LUMP SUM	1														1
10,29,36	58	2564.502	INSTALL SIGN	EACH		1			1				4	3			5		14
	59	2573.602	EROSION CONTROL MOBILIZATION	EACH		1	1	1	1	1	1	1	1	1	1	1	1	1	13
28	60	2575.602	SITE RESTORATION	EACH		1	1	1	1	1	1	1	1	1	1	1	1	1	13
	61	2582.503	24" SOLID LINE MULTI-COMP GROUND IN (WR)	LIN FT		35													35
	62	2582.503	6" BROKEN LINE PAINT	LIN FT				2634											2634
	63	2582.503	6" DOUBLE SOLID LINE PAINT	LIN FT		3248		215									2117		5580
	64	2582.503	6" SOLID LINE MULTI-COMP PAINT	LIN FT		485		2691											3176
	65	2582.518	CROSSWALK MULTI-COMP GROUND IN (WR)	SQ FT		208		208											416
	66	2582.518	PAVT MSSG MULTI-COMP GROUND IN (WR)	SQ FT		15.45		169.14											184.59

1 2582.503 24" SOLID LINE MULTI-COMP GROUND IN (WR) LIN FT 35

B - DRAINAGE

STRUC. NO.	STATION	OFFSET	RIM	INVERT	SPEC. 2502	SPEC. 2503						SPEC. 2506						SPEC. 2501			DRAINS TO STRUC. NO.	DOWN STREAM INVERT	NOTES
					PERF PE PIPE DRAIN SPECIAL	RC PIPE SEWER DES 3006 CL V				CONNECT TO EXISTING STORM SEWER	CONSTRUCT BULKHEAD	CONNECT TO EXISTING STRUCTURE	CONSTRUCT DRAINAGE STRUCTURE DESIGN				CASTING TYPE	CASTING ASSEMBLY	RC PIPE ARPON				
					6"	12"	15"	18"	24"				H	48-4020	60-4020	72-4020			12"	15"			
			ELEV	ELEV	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	EACH	EACH	EACH	LIN FT	LIN FT	LIN FT	LIN FT		EACH	EACH	EACH		ELEV	
ST-200	120+84.46	-13.37	611.39	607.44			18			1		1		3.91			STRM-2	1			ST0300039	607.35	
ST-202	121+31.54	-12.76	611.59	608.09						3				3.46			STRM-3	1					
ST-204	126+58.67	-39.98	620.93	616.38						1					4.51		STRM-2	1					
ST-206	126+17.09	-18.43	619.83	616.86			47							2.93			STRM-2	1			204	616.63	
ST-208	126+15.80	-47.05	621.29	617.53			29						3.72				STRM-3	1			206	616.96	
ST-210	126+73.96	-20.40	620.20	616.75			25							3.41			STRM-3	1			204	616.63	
ST-212	127+18.63	24.10	620.52	617.17			63						3.32				STRM-2	1			210	617.85	
ST-214	135+98.58	-43.31	624.56	620.80			20					1	3.72				STRM-3	1			ST0350058	620.4	
ST-216	110+62.58	-68.72		610.00						1									1				
	109+90 - 110+51	13' RT - 54' RT			79																CB0300059		
	120+85	13' LT			75																200		
	121+39 - 121+90	RT			54																CB0300065		
	126+59	40' LT			312																210		
	130+10 - 130+80	RT			73																		
	131+49 - 135+40	LT			392																CB0350090		
	135+43 - 136+36	LT			94																CB0350251		
	136+45 - 137+37	23' LT - 60' LT			150																ST0350059		
ST0350058	136+00	LT									1												
ST0350059	137+12	LT									1												
	106+13	4' RT															SAN-1	1					
	120+99	20' RT															STRM-2	1					
	124+61	15' LT															STRM-3	1					
	125+10	15' RT															STRM-3	1					
	136+36	20' LT															STRM-3	1					
	137+10	23' LT															STRM-3	1					
TOTALS					**1229**		**202**			**6**	**2**	**2**	**10.75**	**13.70**	**4.51**		**STRM-1**	**0**	**1**				
																	STRM-2	**5**					
																	STRM-3	**8**					
																	SAN-1	**1**					

DRAINAGE NOTES:
1. VERIFY ALL INVERTS TO EXISTING STORM STRUCTURES AND EXISTING STORM SEWER PIPES.

C - BITUMINOUS & AGGREGATE

STATION TO STATION	LOCATION	SPEC.2211 AGGREGATE BASE (CV) CLASS 5	SPEC. 2360 TYPE SP 9.5 WEARING COURSE MIX (3,C)
		CU YD	TON
39TH AVE			
100+62 - 103+10	LT & RT		84
W SUPERIOR ST			
104+71 - 138+08	LT & RT	90	1570
PROJECT ITEM TOTALS		**90**	**1654**

D - PAVEMENT MARKING

STATION TO STATION	LOCATION	SPEC. 2582 6" DOUBLE SOLID LINE PAINT	SPEC. 2582 6" SOLID LINE PAINT	SPEC. 2582 24" SOLID LINE MULLTI-COMP GROUND IN (WR)	SPEC. 2582 CROSSWALK MULTI COMP GR IN (WR)	SPEC. 2582 PAVT MSSG MULTI-COMP GROUND IN (WR)
		LIN FT	LIN FT	LIN FT	SQ FT	SQ FT
W SUPERIOR ST						
104+71 - 131+00	LT & RT	2629				
131+64 - 135+48	RT	432				
131+64 - 135+69	RT		405			
136+11 - 137+68	LT & RT	187				
136+99 - 137+79	RT		80			
137+10	8' RT					15.45
137+66 - 138+13	20' L - 20' R				208	
137+69 - 137+92	CL - 27' RT			35		
PROJECT ITEM TOTALS		**3248**	**485**	**35**	**208**	**15.45**

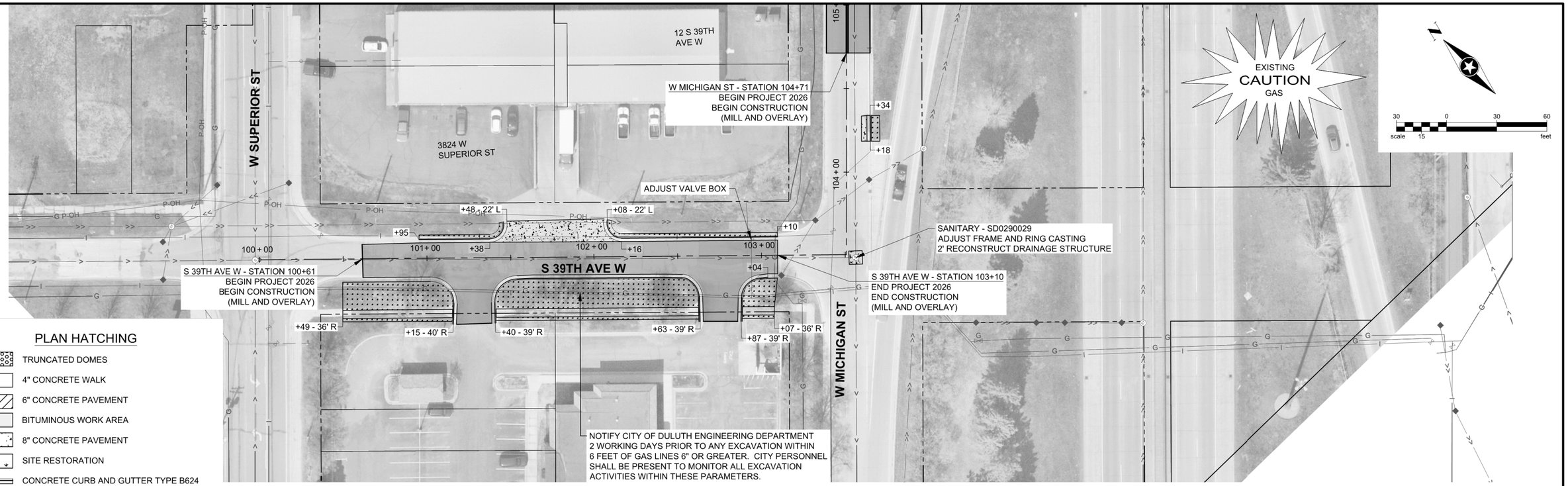
I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

MATT W. HENDERSON
DATE 04/08/2026 LICENSE NO. 62637

2026 STREET PRESERVATION
DULUTH, MINNESOTA

WEST SUPERIOR STREET TABULATIONS

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		Rev.#	Plan Revision Issue Description	Date	Rev.#	Sheet Revision Issue Description	Date
SEH Project	DULUT 186067	-			1	Addendum 1: Paint Updates	4/10/2026
Drawn By	ACO	-			-		
Designed By	ACO	-			-		
Checked By	MWH	-			-		

SEH

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.

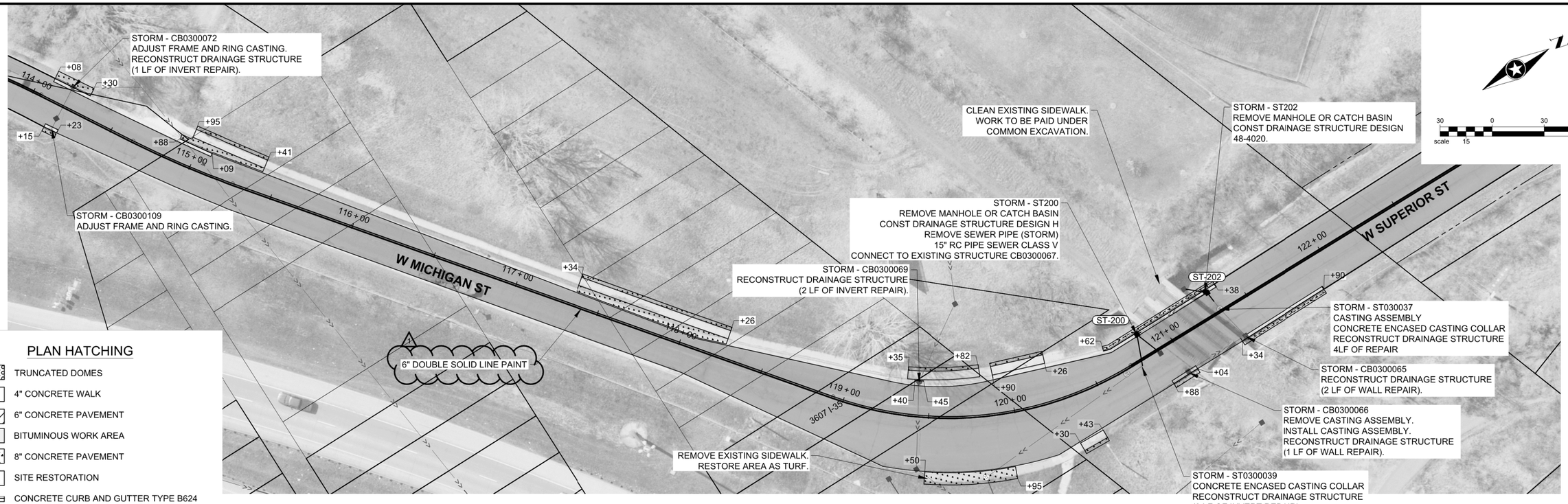
Matthew Henderson

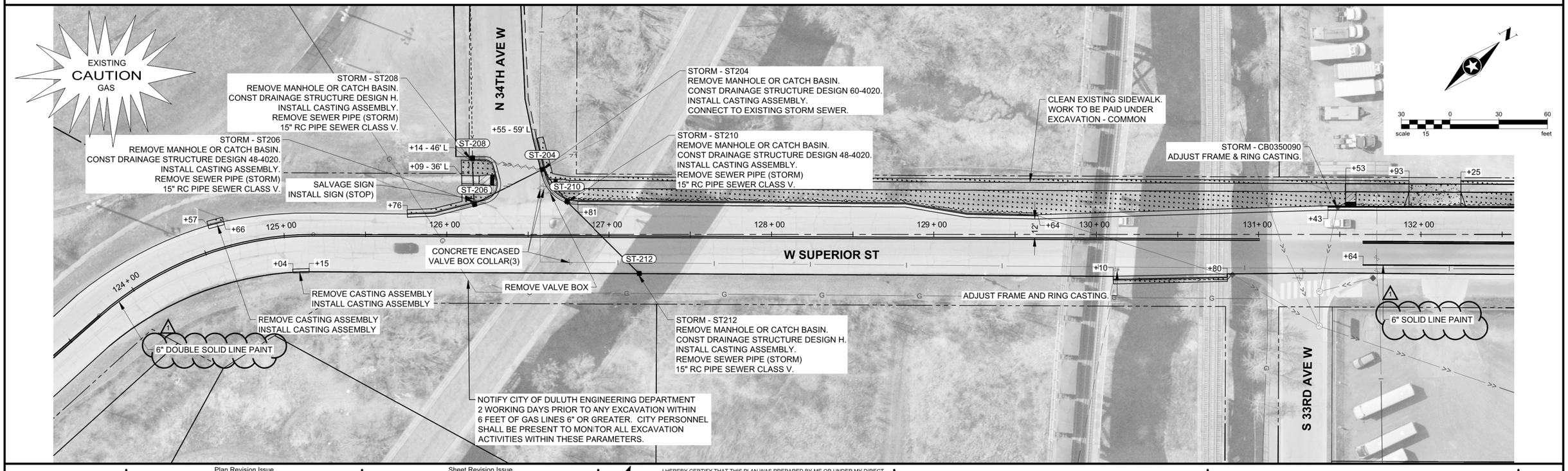
MATT W. HENDERSON
DATE 04/08/2026 LICENSE NO. 62637

2026 STREET PRESERVATION

DULUTH, MINNESOTA

S 39TH AVE W / W MICHIGAN ST PLANNED IMPROVEMENTS





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		Rev.#	Plan Revision Issue Description	Date
SEH Project	DULUT 186067			
Drawn By	ACO			
Designed By	ACO			
Checked By	MWH			

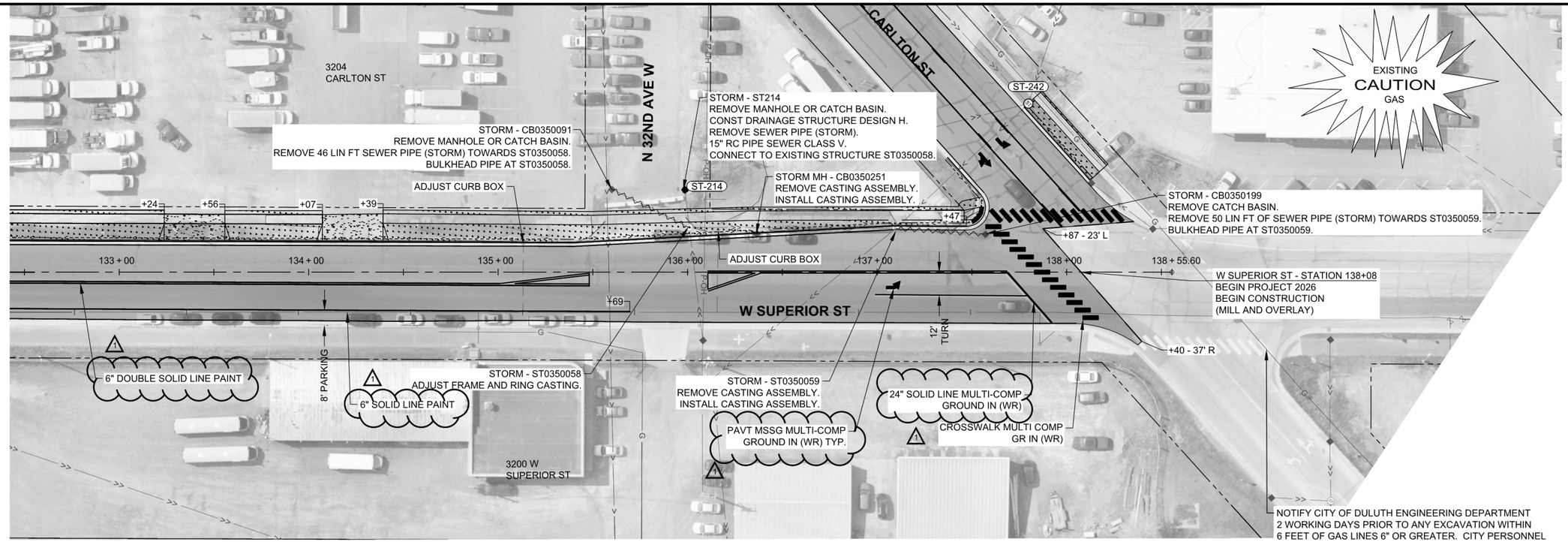
Rev.#	Sheet Revision Issue Description	Date
1	Addendum 1: Paint Updates	4/10/2026

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.

MATT W. HENDERSON
DATE 04/08/2026 LICENSE NO. 62637

2026 STREET PRESERVATION
DULUTH, MINNESOTA

W MICHIGAN ST / W SUPERIOR ST PLANNED IMPROVEMENTS



PLAN HATCHING

- TRUNCATED DOMES
- 4" CONCRETE WALK
- 6" CONCRETE PAVEMENT
- BITUMINOUS WORK AREA
- 8" CONCRETE PAVEMENT
- SITE RESTORATION
- CONCRETE CURB AND GUTTER TYPE B624
- SAWING BITUMINOUS PAVEMENT (FULL DEPTH)

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2026 STREET PRESERVATION

DULUTH, MINNESOTA

W SUPERIOR ST
PLANNED IMPROVEMENTS

A - REMOVALS & SAWCUTS

STATION TO STATION	LOCATION	SPEC. 2104 REMOVE CONCRETE WALK (SQ FT)	SPEC. 2104 REMOVE MANHOLE OR CATCH BASIN (EACH)	SPEC. 2104 SAWING BITUMINOUS PAVEMENT (FULL DEPTH) (LIN FT)	SPEC. 2104 SAWING CONCRETE PAVEMENT (FULL DEPTH) (LIN FT)	SPEC. 2104 REMOVE CURB & GUTTER (LIN FT)	SPEC. 2104 REMOVE CONCRETE PAVEMENT (SQ YD)	SPEC. 2232 MILL BITUMINOUS PAVEMENT SPECIAL (2.0") (SQ YD)
CARLTON ST								
100+11 - 100+41	18' RT - 14' LT			44				
100+28 - 115+60	LT & RT							6572
100+66 - 100+85	RT					20		
100+90 - 101+11	68' LT - 86' LT			28				
103+58 - 103+98	LT	200						
103+73 - 103+85	RT					12		
103+78	12' RT		1					
104+29 - 104+99	LT	352						
104+54 - 105+24	RT					70		
106+30 - 106+40	49' LT - 35' LT			18				
106+86 - 107+25	17' RT				20		26	
108+27 - 108+43	LT					16		
108+34	26' LT		1					
108+44 - 108+54	LT	51						
108+64	28' LT		1					
109+64 - 109+86	LT					22		
109+97 - 110+02	LT	26						
110+06 - 111+31	32' RT - 30' RT				120		179	
110+36 - 110+67	LT	151						
110+66 - 111+11	44' LT				50		50	
110+78	29' LT		1					
111+22	28' LT		1					
111+99 - 112+24	LT	126						
112+05 - 112+91	54' LT - 53' LT				70		154	
112+13 - 112+25	29' LT - 42' LT					19		
112+74 - 112+84	43' LT - 28' LT					19		
112+75 - 113+27	LT	265						
113+51 - 113+64	LT	63						
113+59	28' LT		1					
115+00	31' LT		1					
115+00 - 115+52	LT	260				52		
PROJECT ITEM TOTALS		**1494**	**7**	**90**	**260**	**230**	**409**	**6572**

B - UTILITY ADJUSTMENTS

STATION TO STATION	LOCATION	SPEC. 2506 ADJUST FRAME & RING CASTING (EACH)	SPEC. 2506 RECONSTRUCT DRAINAGE STRUCTURE (LIN FT)
CARLTON ST			
100+73	12' RT	1	
106+00	34' LT	1	6
106+06	12' RT	1	2
PROJECT ITEM TOTALS		**3**	**8**

C - BITUMINOUS & AGGREGATE

STATION TO STATION	LOCATION	SPEC. 2360 TYPE SP 9.5 WEARING COURSE MIX (3,C) (TON)
CARLTON ST		
100+28 - 115+60	LT & RT	789
PROJECT ITEM TOTALS		**789**

D - PAVEMENT MARKING

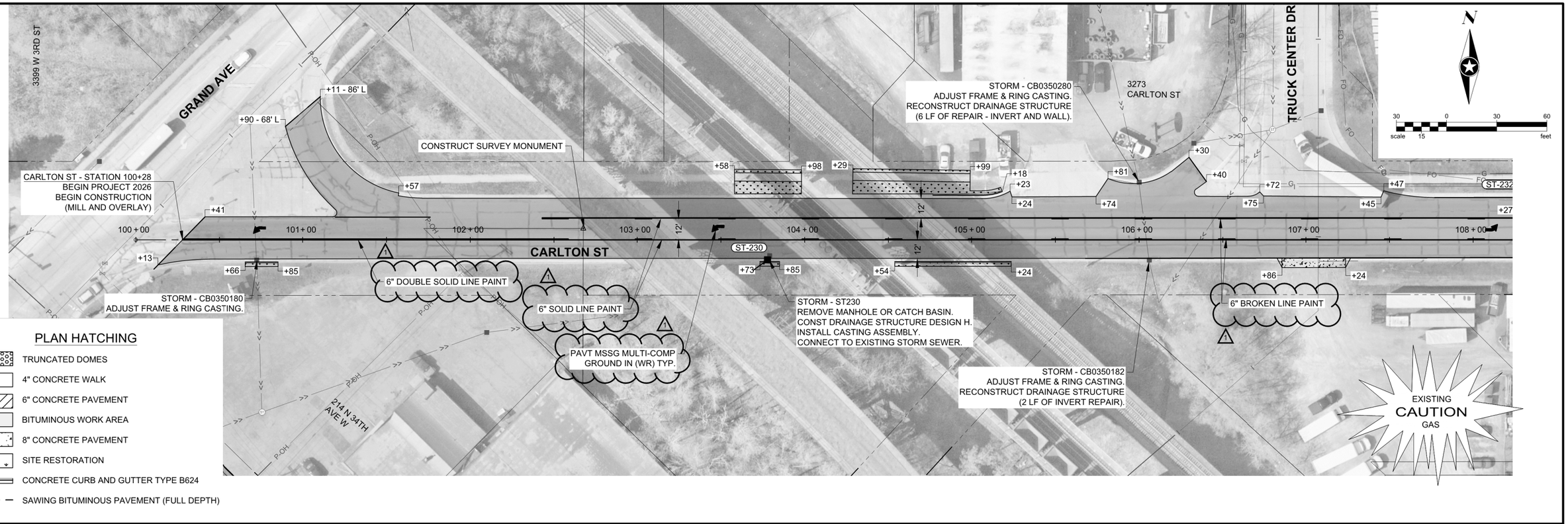
STATION TO STATION	LOCATION	SPEC. 2582 6" DOUBLE SOLID LINE PAINT (LIN FT)	SPEC. 2582 6" SOLID LINE PAINT (LIN FT)	SPEC. 2582 6" BROKEN LINE PAINT (LIN FT)	SPEC. 2582 CROSSWALK MULTI-COMP GROUND IN (WR) (SQ FT)	SPEC. 2582 PAVT MSSG MULTI-COMP GROUND IN (WR) (SQ FT)
CARLTON ST						
100+28	CL	215				
100+73	6' LT					15.45
101+19 - 101+76	LT		57			
102+43 - 115+60	CL		1317	1317		
102+43 - 115+60	LT		1317	1317		
103+46	7' LT					15.45
108+13	7' LT					15.45
108+50	7' LT					15.45
109+56	8' LT					15.45
109+94	8' LT					15.45
111+38	6' LT					15.45
111+76	7' LT					15.45
115+07	6' LT					15.45
115+07	6' RT					30.09
115+27 - 115+78	LT & RT				208	
PROJECT ITEM TOTALS		**215**	**2691**	**2634**	**208**	**169.14**

E - DRAINAGE

STRUC. NO.	STATION	OFFSET	RIM ELEV	INVERT ELEV	SPEC. 2502 PERF PE PIPE DRAIN SPECIAL 6" (LIN FT)	SPEC. 2503 RC PIPE SEWER DES 3006 CL V 12" (LIN FT)	15" (LIN FT)	18" (LIN FT)	24" (LIN FT)	CONNECT TO EXISTING STORM SEWER (EACH)	CONSTRUCT BULKHEAD (EACH)	SPEC. 2506 CONNECT TO EXISTING STRUCTURE (EACH)	CONSTRUCT DRAINAGE STRUCTURE DESIGN H (LIN FT)	48-4020 (LIN FT)	60-4020 (LIN FT)	72-4020 (LIN FT)	CASTING TYPE	CASTING ASSEMBLY (EACH)	SPEC. 2501 RC PIPE ARPON 12" (EACH)	15" (EACH)	DRAINS TO STRUC. NO.	DOWN STREAM INVERT ELEV	NOTES
ST-230	103+77.83	12.02	632.24	629.74						1			2.46				STRM-3	1					
ST-232	108+33.88	-26.15	629.42	626.28						1			3.10				STRM-2	1					
ST-234	108+63.80	-28.43	629.59	624.06						3				5.49			STRM-3	1					
ST-236	110+79.28	-27.88	627.75	622.70						3				5.01			STRM-3	1					
ST-238	111+22.35	-28.20	627.81	622.39						2				5.38			STRM-3	1					
ST-240	113+58.68	-28.41	626.67	613.36						3				13.27			STRM-3	1					
ST-242	114+99.86	-30.69	625.52	603.94						5				21.61			STRM-1	1					
	115+00	LT			52																242		
TOTALS					**52**					**18**			**5.56**	**50.76**			**STRM-1**	**1**					
																	STRM-2	**1**					
																	STRM-3	**5**					
																	SAN-1	**0**					

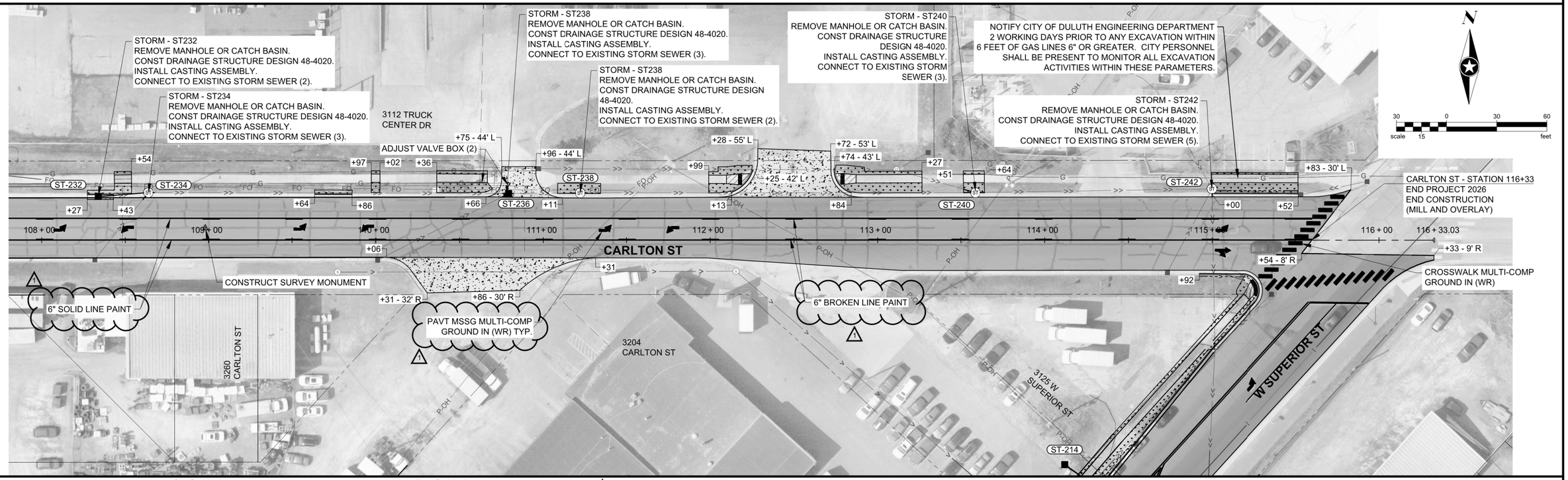
DRAINAGE NOTES:

1. VERIFY ALL INVERTS TO EXISTING STORM STRUCTURES AND EXISTING STORM SEWER PIPES.



PLAN HATCHING

- TRUNCATED DOMES
- 4" CONCRETE WALK
- 6" CONCRETE PAVEMENT
- BITUMINOUS WORK AREA
- 8" CONCRETE PAVEMENT
- SITE RESTORATION
- CONCRETE CURB AND GUTTER TYPE B624
- SAWING BITUMINOUS PAVEMENT (FULL DEPTH)



SEH Project	DULUT 186067	Rev.#	Plan Revision Issue Description	Date	Rev.#	Sheet Revision Issue Description	Date
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Checked By	MWH						

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MATT W. HENDERSON
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2026 STREET PRESERVATION
DULUTH, MINNESOTA

CARLTON STREET
PLANNED IMPROVEMENTS

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A - REMOVALS & SAWCUTS

STATION TO STATION	LOCATION	SPEC. 2104 REMOVE CONCRETE WALK (SQ FT)	SPEC. 2104 REMOVE MANHOLE OR CATCH BASIN (EACH)	SPEC. 2104 SAWING BITUMINOUS PAVEMENT (FULL DEPTH) (LIN FT)	SPEC. 2104 REMOVE SEWER PIPE (STORM) (LIN FT)	SPEC. 2104 REMOVE CONCRETE CURB (LIN FT)	SPEC. 2232 MILL BITUMINOUS SURFACE (2.0") (SQ YD)	SPEC.2104 SALVAGE STONE CURB (LIN FT)
100+00	LT & RT			31				
100+00 - 121+57	LT & RT	200			126		6111	1705
100+08 - 100+25	LT			17				
104+28 - 104+47	RT	100						
106+91 - 107+11	RT	100						
117+14 - 117+75	LT			70				
117+33 - 117+39	RT	10						
117+80 - 117+87	RT					7		
121+57	LT & RT			28				
107+01	28' LT		1					**20**
107+01	LT							
PROJECT ITEM TOTALS		**410**	**1**	**146**	**126**	**7**	**6111**	**1725**

B - UTILITY ADJUSTMENTS

STATION TO STATION	LOCATION	SPEC. 2504 ADJUST VALVE BOX (EACH)	SPEC. 2506 ADJUST FRAME & RING CASTING (EACH)	SPEC. 2506 RECONSTRUCT DRAINAGE STRUCTURE (LIN FT)
100+07	RT		1	2
100+49	RT		1	
117+31	RT		1	2
117+77	LT		1	2
118+03	LT		1	1
119+06	RT	1		
PROJECT ITEM TOTALS		**1**	**5**	**7**

C - DRAINAGE

STRUC. NO.	STATION	OFFSET	RIM ELEV	INVERT ELEV	SPEC. 2502 PERF PE PIPE DRAIN SPECIAL 6" LIN FT	SPEC. 2503 RC PIPE SEWER DES 3006 CL V 12" LIN FT	15" LIN FT	18" LIN FT	24" LIN FT	CONNECT TO EXISTING STORM SEWER EACH	CONSTRUCT BULKHEAD EACH	SPEC. 2506 CONNECT TO EXISTING STRUCTURE EACH	CONSTRUCT DRAINAGE STRUCTURE DESIGN H LIN FT	48-4020 LIN FT	60-4020 LIN FT	72-4020 LIN FT	CASTING TYPE	CASTING ASSEMBLY EACH	SPEC. 2501 RC PIPE ARPON 12" EACH	15" EACH	DRAINS TO STRUC. NO.	DOWN STREAM INVERT ELEV	NOTES
ST-270	117+76.66	18.84	890.02	886.27						2				3.71			STRM-3	1					
ST-272	104+37.36	29.07		852.34																1			
ST-274	104+37.36	-25.00		856.42			54													1	272	852.34	
ST-276	107+01.49	30.95		861.18																1			
ST-278	107+01.22	12.05	865.07	862.15			19							2.88			STRM-3	1			276	861.18	
ST-279	107+00.71	-24.86		864.18			37													1	278	862.25	
TOTALS							**110**			**2**				**6.59**			**STRM-1**	**0**					
																	STRM-2	**0**					
																	STRM-3	**2**		**4**			
																	SAN-1	**0**					

DRAINAGE NOTES:
1. VERIFY ALL INVERTS TO EXISTING STORM STRUCTURES AND EXISTING STORM SEWER PIPES.

D - BITUMINOUS & AGGREGATE

STATION TO STATION	LOCATION	SPEC. 2360 TYPE SP 9.5 WEARING COURSE MIX (3,C) (TON)	SPEC. 2211 AGGREGATE BASE (CV) CLASS 5 (CU YD)
100+00 - 121+57	LT & RT	733	49
100+00 - 116+64	RT		
100+25 - 117+38	LT		
PROJECT ITEM TOTALS		**733**	**49**

E - PAVEMENT MARKING

STATION TO STATION	LOCATION	SPEC. 6" DOUBLE SOLID LINE PAINT (LIN FT)
100+40 - 121+57	LT & RT	2117
PROJECT ITEM TOTALS		**2117**

F - CONCRETE

STATION TO STATION	LOCATION	SPEC.2531 CONCRETE CURB & GUTTER DESIGN B624 (LIN FT)	SPEC.2521 4" CONCRETE WALK (SQ FT)
104+28 - 104+47	RT		100
106+91 - 107+11	RT		100
116+64 - 117+40	RT		279
116+64 - 117+87	RT	112	
PROJECT ITEM TOTALS		**112**	**479**

G - TURF ESTABLISHMENT

STATION TO STATION	LOCATION	SPEC. 2575 SITE RESORATION (EACH)	REMARKS
100+00 - 121+57	LT & RT	1	ESTIMATED AREA = 100 SF
PROJECT ITEM TOTALS		**1**	

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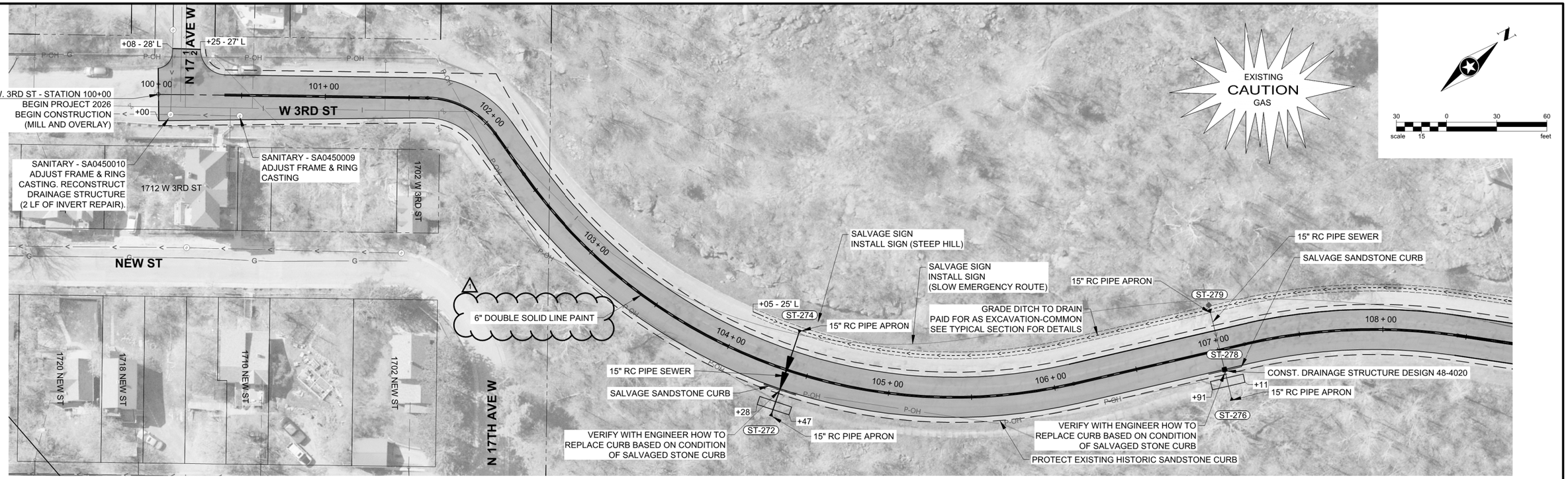
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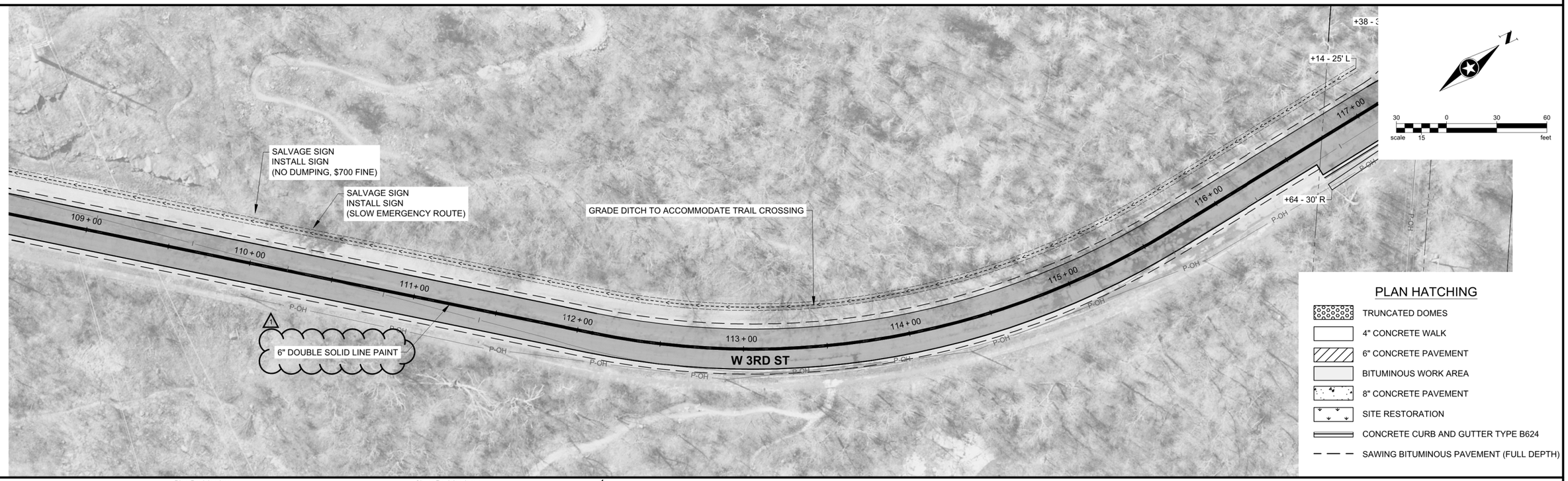
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2026 STREET PRESERVATION
DULUTH, MINNESOTA

WEST 3RD STREET TABULATIONS



NOTE: COMMON EXCAVATION COULD INCLUDE EXISTING PAVEMENT AND COBBLESTONE.



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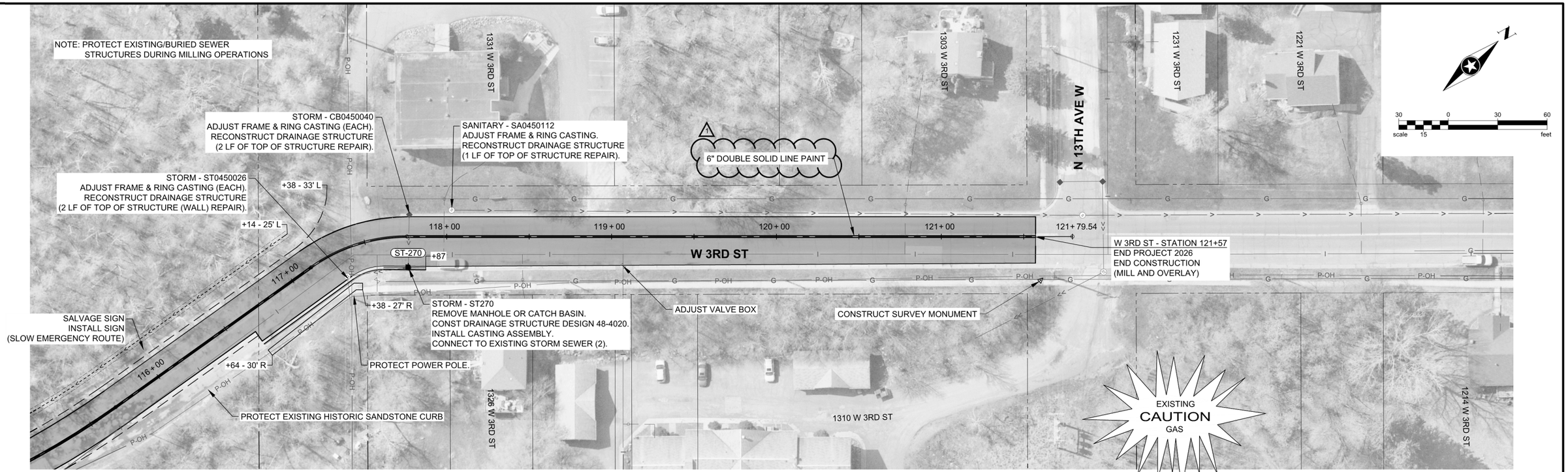
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2026 STREET PRESERVATION
DULUTH, MINNESOTA

W 3RD ST
PLANNED IMPROVEMENTS

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NOTE: COMMON EXCAVATION COULD INCLUDE EXISTING PAVEMENT AND COBBLESTONE.

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2026 STREET PRESERVATION

DULUTH, MINNESOTA

W 3RD ST
PLANNED IMPROVEMENTS

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