

ADDENDUM NO. 2
4th Street Water Main Replacements Between 12th Avenue East And 16th Avenue East
City of Duluth

Bid No. 15-0242, Project No. 1378
Bid Opening: 2:00 PM, May 20, 2015

NOTICE:

The addendum is issued to modify, explain or correct the original drawings, specifications and/or previous addendums and is hereby made a part of the Contract Documents. Please attach this Addendum to the specifications in your possession and note receipt of this Addendum on the Request for Bid. The Bid date remains unchanged.

PROJECT SPECIFICATIONS

EXHIBIT A

Project quantities have changed. **Make certain you use the attached Exhibit A – Revised Addendum No. 2 forms when submitting your Bid.**

DRAWINGS

Modifications have been made to several drawings. **REPLACE** Sheets 2 of 43, 4 of 43, 27 of 43, 34 of 43 and 35 of 43 of the original plan set with the attached drawings.

END OF ADDENDUM

EXHIBIT A - REVISED ADDENDUM NO 2						
BID NO. 15-0243		PROJECT NO. 1378				
4TH STREET WATER MAIN REPLACEMENTS						
	SPEC.					
LINE	NO.	DESCRIPTION	UNIT	EST QUANTITY	UNIT PRICE	TOTAL PRICE
1	2021.501	MOBILIZATION	LUMP SUM	1		\$ -
2	2104.501	REMOVE WATER MAIN	LIN FT	270		\$ -
3	2104.501	REMOVE CURB AND GUTTER	LIN FT	1100		\$ -
4	2104.503	REMOVE CONCRETE WALK	SQ FT	5400		\$ -
5	2104.503	REMOVE CONCRETE DRIVEWAY PAVEMENT	SQ FT	250		\$ -
6	2104.503	REMOVE CONCRETE PAVEMENT	SQ YD	42		\$ -
7	2104.505	REMOVE BITUMINOUS PAVEMENT	SQ YD	5388		\$ -
8	2104.509	REMOVE 36" CAL DECIDUOUS TREE	EACH	3		\$ -
9	2104.509	REMOVE HYDRANT	EACH	5		\$ -
10	2104.509	REMOVE MANHOLE	EACH	7		\$ -
11	2104.511	SAWING CONCREE PAVEMENT (FULL DEPTH)	EACH	200		\$ -
12	2104.513	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	5000		\$ -
13	2104.525	FILL AND ABANDON 36" WATER MAIN	LIN FT	472		\$ -
14	2104.525	FILL AND ABANDON 24" WATER MAIN	LIN FT	151		\$ -
15	2104.525	FILL AND ABANDON 20" WATER MAIN	LIN FT	93		\$ -
16	2104.525	FILL AND ABANDON 16" WATER MAIN	LIN FT	1408		\$ -
17	2104.602	DISCONNECT AND PLUG EXISTING WATER MAINS	EACH	7		\$ -
18	2105.522	SELECT GRANULAR BORROW (MOD7%) CV	P	50		\$ -
19	2105.604	GEOTEXTILE FABRIC TYPE V	P	150		\$ -
20	2211.503	AGGREGATE BASE (CV) CLASS 5	P	1235		\$ -
21	2301.504	CONCRETE DRIVEWAY PAVEMENT	SQ YD	10.0		\$ -
22	2301.504	CONCRETE PAVEMENT, 8.0"	SQ YD	42.0		\$ -
23	2360.501	TYPE SP 9.5 WEARING COURSE MIXTURE (3.B)	TON	12		\$ -
24	2360.501	TYPE SP 12.5 WEARING COURSE MIXTURE (3.B)	TON	620		\$ -

BID NO. 15-0243			PROJECT NO. 1378						
4TH STREET WATER MAIN REPLACEMENTS									
	SPEC.								
LINE	NO.	DESCRIPTION		UNIT	EST QUANTITY	UNIT PRICE	TOTAL PRICE		
75	2504.603	36" DI WATER MAIN, CLASS 200		LIN FT	640		\$ -		
76	2504.604	3" POLYSTYRENE INSULATION		SQ YD	50		\$ -		
77	2504.608	DUCTILE IRON FITTINGS		POUND	60000		\$ -		
78	2521.501	4" CONCRETE WALK		SQ FT	5400		\$ -		
79	2531.501	CONCRETE CURB & GUTTER DESIGN B624		LIN FT	200		\$ -		
80	2535.501	BITUMINOUS CURB		LIN FT	900		\$ -		
81	2563.601	TRAFFIC CONTROL		LUMP SUM	1		\$ -		
82	2573.504	SANDBAG BARRIER		SQ FT	96		\$ -		
83	2573.530	INLET PROTECTION		EACH	12		\$ -		
84	2573.602	TEMPORARY ROCK CONSTRUCTION ENTRANCE		EACH	3		\$ -		
85	2575.523	EROSION CONTROL BLANKET, CATEGORY 2		SQ YD	264		\$ -		
86	2575.533	SEDIMENT CONTROL LOG TYPE ROCK		LIN FT	28		\$ -		
87	2575.555	TURF ESTABLISHMENT		LUMP SUM	1		\$ -		
88		TEMPOARY PARKING LOT DRIVE		LUMP SUM	1		\$ -		
						TOTAL	\$ -		

STATEMENT OF ESTIMATED QUANTITIES							
BID NO. 15-0243				PROJECT NO. 1378			
4TH STREET WATER MAIN REPLACEMENTS							
			SPEC.			TOTAL PROJECT	
LINE	NOTES	CHART	NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	FINAL QUANTITY
1			2021.501	MOBILIZATION	LUMP SUM	1	
2			2104.501	REMOVE WATER MAIN	LIN FT	270	
3			2104.501	REMOVE CURB AND GUTTER	LIN FT	1100	
4			2104.503	REMOVE CONCRETE WALK	SQ FT	5400	
5			2104.503	REMOVE CONCRETE DRIVEWAY PAVEMENT	SQ FT	250	
6			2104.503	REMOVE CONCRETE PAVEMENT	SQ YD	42	
7	1		2104.505	REMOVE BITUMINOUS PAVEMENT	SQ YD	5388	
8			2104.509	REMOVE 36" CAL DECIDUOUS TREE	EACH	3	
9			2104.509	REMOVE HYDRANT	EACH	5	
10			2104.509	REMOVE MANHOLE	EACH	7	
11			2104.511	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT	200	
12	1		2104.513	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	5000	
13			2104.525	FILL AND ABANDON 36" WATER MAIN	LIN FT	472	
14			2104.525	FILL AND ABANDON 24" WATER MAIN	LIN FT	151	
15			2104.525	FILL AND ABANDON 20" WATER MAIN	LIN FT	93	
16			2104.525	FILL AND ABANDON 16" WATER MAIN	LIN FT	1408	
17			2104.602	DISCONNECT AND PLUG EXISTING WATER MAINS	EACH	7	
18	2		2105.522	SELECT GRANULAR BORROW (MOD7%) CV	P CU YD	50	
19	2		2105.604	GEOTEXTILE FABRIC TYPE V	P SQ YD	150	
20	2		2211.503	AGGREGATE BASE (CV) CLASS 5	P CU YD	1235	
21			2301.504	CONCRETE DRIVEWAY PAVEMENT	SQ YD	10.0	
22			2301.504	CONCRETE PAVEMENT, 8.0"	SQ YD	42.0	
23	3		2360.501	TYPE SP 9.5 WEARING COURSE MIXTURE (3,B)	TON	12	
24	3		2360.501	TYPE SP 12.5 WEARING COURSE MIXTURE (3,B)	TON	620	
25			2451.501	STRUCTURE EXCAVATION CLASS R	CU YD	740	
26	4		2451.607	FURNISH GRANULAR BACKFILL, (CV)	CU YD	370	
27	5, 14		2504.602	CONNECT TO 2" HDPE WATER MAIN	EACH	1	
28	5		2504.602	CONNECT TO 6" CI WATER MAIN	EACH	3	
29	5		2504.602	CONNECT TO 12" CI WATER MAIN	EACH	1	
30	5		2504.602	CONNECT TO 16" CI WATER MAIN	EACH	5	
31	5		2504.602	CONNECT TO 20" CI WATER MAIN	EACH	4	
32	5		2504.602	CONNECT TO 24" CI WATER MAIN	EACH	1	
33	5		2504.602	CONNECT TO 36" CI WATER MAIN	EACH	2	
34	5		2504.602	CONNECT TO 18" HDPE WATER MAIN	EACH	2	
35			2504.602	WATER TRACER BOX	EACH	41	
36			2504.602	8" X 1" DIPS TAPPING TEE WITH ELCTOFUSION SADDLE	EACH	3	
37			2504.602	12" x 1" DIPS TAPPING TEE WITH ELECTROFUSION SADDLE	EACH	5	
38			2504.602	3/4" CORPORATION STOP	EACH	37	
39			2504.602	1" CORPORATION STOP	EACH	15	
40			2504.602	1 1/2" CORPORATION STOP	EACH	1	
41			2504.602	2" CORPORATION STOP	EACH	1	

STATEMENT OF ESTIMATED QUANTITIES							
BID NO. 15-0243			PROJECT NO. 1378				
4TH STREET WATER MAIN REPLACEMENTS							
			SPEC.			TOTAL PROJECT	
LINE	NOTES	CHART	NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	FINAL QUANTITY
42			2504.602	36" DI MJ BUTTERFLY VALVE AND BOX	EACH	2	
43			2504.602	24" DI MJ BUTTERFLY VALVE AND BOX	EACH	8	
44			2504.602	20" DI MJ BUTTERFLY VALVE AND BOX	EACH	2	
45			2504.602	16" DI MJ BUTTERFLY VALVE AND BOX	EACH	2	
46			2504.602	12" DI MJ BUTTERFLY VALVE AND BOX	EACH	1	
47			2504.602	8" DI MJ GATE VALVE AND BOX	EACH	1	
48			2504.602	6" DI MJ GATE VALVE AND BOX	EACH	3	
49			2504.602	ADJUST VALVE BOX	EACH	18	
50			2504.602	3/4" CURB STOP AND BOX	EACH	24	
51			2504.602	1" CURB STOP AND BOX	EACH	15	
52			2504.602	1 1/2" CURB STOP AND BOX	EACH	1	
53			2504.602	2" CURB STOP AND BOX	EACH	1	
54	6, 7		2504.602	RECONNECT EXISTING WATER SERVICE AT MAIN - COPPER	EACH	16	
55			2504.602	RECONNECT WATER SERVICE	EACH	41	
56			2504.602	HYDRANT ASSEMBLY - DUCTILE IRON	EACH	6	
57			2504.602	HYDRANT ASSEMBLY - HDPE	EACH	1	
58			2504.602	AUTO AIR RELEASE VALVE AND MANHOLE	EACH	1	
59	7		2504.603	1" HDPE SDR 11 SERVICE PIPE	LIN FT	179	
60	7		2504.603	3/4" TYPE K COPPER SERVICE PIPE	LIN FT	480	
61	7		2504.603	1" TYPE K COPPER SERVICE PIPE	LIN FT	140	
62	7		2504.603	1 1/2" TYPE K COPPER SERVICE PIPE	LIN FT	20	
63	7		2504.603	2" TYPE K COPPER SERVICE PIPE	LIN FT	20	
64			2504.603	6" DIPS HDPE WATER MAIN SDR 11	LIN FT	27	
65			2504.603	8" DIPS HDPE WATER MAIN SDR 11	LIN FT	212	
66	11		2504.603	PIPE BURST 12" CI TO 12" HDPE DIPS, SDR 11	LIN FT	916	
67	11		2504.603	24" CIPP WATER MAIN RENOVATION	LIN FT	794	
68			2504.603	6" DI WATER MAIN, CLASS 52	LIN FT	8	
69			2504.603	8" DI WATER MAIN, CLASS 52	LIN FT	8	
70	13		2504.603	12" DI WATER MAIN, CLASS 52	LIN FT	19	
71	13		2504.603	16" DI WATER MAIN, CLASS 52	LIN FT	102	
72	13		2504.603	18" DI WATER MAIN, CLASS 200	LIN FT	4	
73	13		2504.603	20" DI WATER MAIN, CLASS 200	LIN FT	27	
74	13		2504.603	24" DI WATER MAIN, CLASS 200	LIN FT	1561	
75	13		2504.603	36" DI WATER MAIN, CLASS 200	LIN FT	640	
76			2504.604	3" POLYSTYRENE INSULATION	SQ YD	50	
77	12		2504.608	DUCTILE IRON FITTINGS	POUND	60000	
78			2521.501	4" CONCRETE WALK	SQ FT	5400	
79			2531.501	CONCRETE CURB & GUTTER DESIGN B624	LIN FT	200	
80			2535.510	BITUMINOUS CURB	LIN FT	900	
81	8		2563.601	TRAFFIC CONTROL	LUMP SUM	1	
82	9		2573.504	SANDBAG BARRIER	SQ FT	96	
83	9		2573.530	INLET PROTECTION	EACH	12	
84			2573.602	TEMPORARY ROCK CONSTRUCTION ENTRANCE	EACH	3	
85	9		2575.523	EROSION CONTROL BLANKET,CATEGORY 2	SQ YD	264	
86	9		2575.533	SEDIMENT CONTROL LOG TYPE ROCK	LIN FT	28	
87	10		2575.555	TURF ESTABLISHMENT	LUMP SUM	1	
88				TEMPORARY PARKING LOT DRIVE	LUMP SUM	1	

REVISED PER ADDENDUM "B"

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.

SIGNATURE: _____

MARK GUISFREDI
TYPED NAME

DATE: 4/29/2015

LIC. NO: 23295



CITY OF DULUTH
ENGINEERING DIVISION
411 W. 1ST ST. STE. 211
DULUTH, MN 55802

4TH ST WATER MAIN REPLACEMENT 12TH AVE E TO 16TH AVE E

CITY PROJECT NO.: 1378

STATE AID PROJECT NO.:

DRAWN BY: MLT

STATEMENT OF ESTIMATED QUANTITIES

SHEET NO. 2 OF 43

A	4TH ST WATER MAIN 12TH AVE E TO 16TH AVE E																								
				CONNECT TO EXISTING WATER MAIN 2504.602 EACH	6" GATE VALVE AND BOX 2504.602 EACH	8" GATE VALVE AND BOX 2504.602 EACH	12" BUTTERFLY VALVE AND BOX 2504.602 EACH	16" BUTTERFLY VALVE AND BOX 2504.602 EACH	20" BUTTERFLY VALVE AND BOX 2504.602 EACH	24" BUTTERFLY VALVE AND BOX 2504.602 EACH	36" BUTTERFLY VALVE AND BOX 2504.602 EACH	ADJUST VALVE BOX 2504.602 EACH	FURNISH AND INSTALL HYDRANT ASSEMBLY 2504.602 EACH	PIPE BURST 12" CI TO 12" HDPE DIPS SDR 11 2504.603 LIN FT	24" CIPP WATER MAIN LINING 2504.603 LIN FT	6" DI WATER MAIN CLASS 52 2504.603 LIN FT	6" HDPE WATER MAIN SDR 11 2504.603 LIN FT	8" DI WATER MAIN CLASS 52 2504.603 LIN FT	8" HDPE WATER MAIN SDR 11 2504.603 LIN FT	12" DI WATER MAIN CLASS 52 2504.603 LIN FT	16" DI WATER MAIN CLASS 52 2504.603 LIN FT	18" DI WATER MAIN CLASS 200 2504.603 LIN FT	20" DI WATER MAIN CLASS 200 2504.603 LIN FT	24" DI WATER MAIN CLASS 200 2504.603 LIN FT	36" DI WATER MAIN CLASS 200 2504.603 LIN FT
STA	DISTANCE	LT/RT	STREET																						
0+65 - 0+86	2	RT	E 4TH ST									0							0						
0+86 - 1+00	2	RT	E 4TH ST			0				1		1						0						45	
0+75	8	RT	TIE IN	2	1							1				8	0								
1+00	52	RT	N 12TH AVE E	2				1				1									62				
1+00 - 5+88	0	C/L	E 4TH ST					1				1	1								0			488	
5+92	29	LT	N 13TH AVE E	2						1		1												53	
5+88 - 14+78	0	C/L	E 4TH ST	1						4		4	2											890	
14+00	29	LT	TIE IN	1						1		1												39	
14+78 - 15+00	8	LT	E 4TH ST									0													22
15+00	58	RT	N 15TH AVE E	4					1	1		2										4	5	34	50
15+00 - 15+24	8	LT	E 4TH ST									0													24
15+24	27	LT	N 15TH AVE E	2					1			1												22	12
15+24 - 19+44	0	C/L	E 4TH ST								1	1	2												420
19+86	30	RT	N 16TH AVE E									0													52
19+86	90	RT	N 16TH AVE E	2							1	1													72
												0													
5+74	12	LT	N 13TH AVE E	1								0									15				
5+74 - 14+94	12	LT	E 4TH ST				1					1		916							4				
15+06	53	LT	N 15TH AVE E	1								0	1								40				
												0													
5+96 - 14+00	29	LT	E 4TH ST									0			794										
												0													
18+05 - 20+04	8	LT	E 4TH ST			1						1	1						200						
19+45	35	LT	N 16TH AVE E		1												27								
20+00	4	RT	E 4TH ST	1	1							1						8	12						
TOTAL				19	3	1	1	2	2	8	2	18	7	916	794	8	27	8	212	19	102	4	27	1561	640

REVISED PER ADDENDUM "B"

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.

SIGNATURE: _____

MARK GUISFREDI
TYPED NAME

DATE: 4/29/2015

LIC. NO: 23295



CITY OF DULUTH
ENGINEERING DIVISION
411 W. 1ST ST. STE. 211
DULUTH, MN 55802

4TH ST WATER MAIN REPLACEMENT 12TH AVE E TO 16TH AVE E

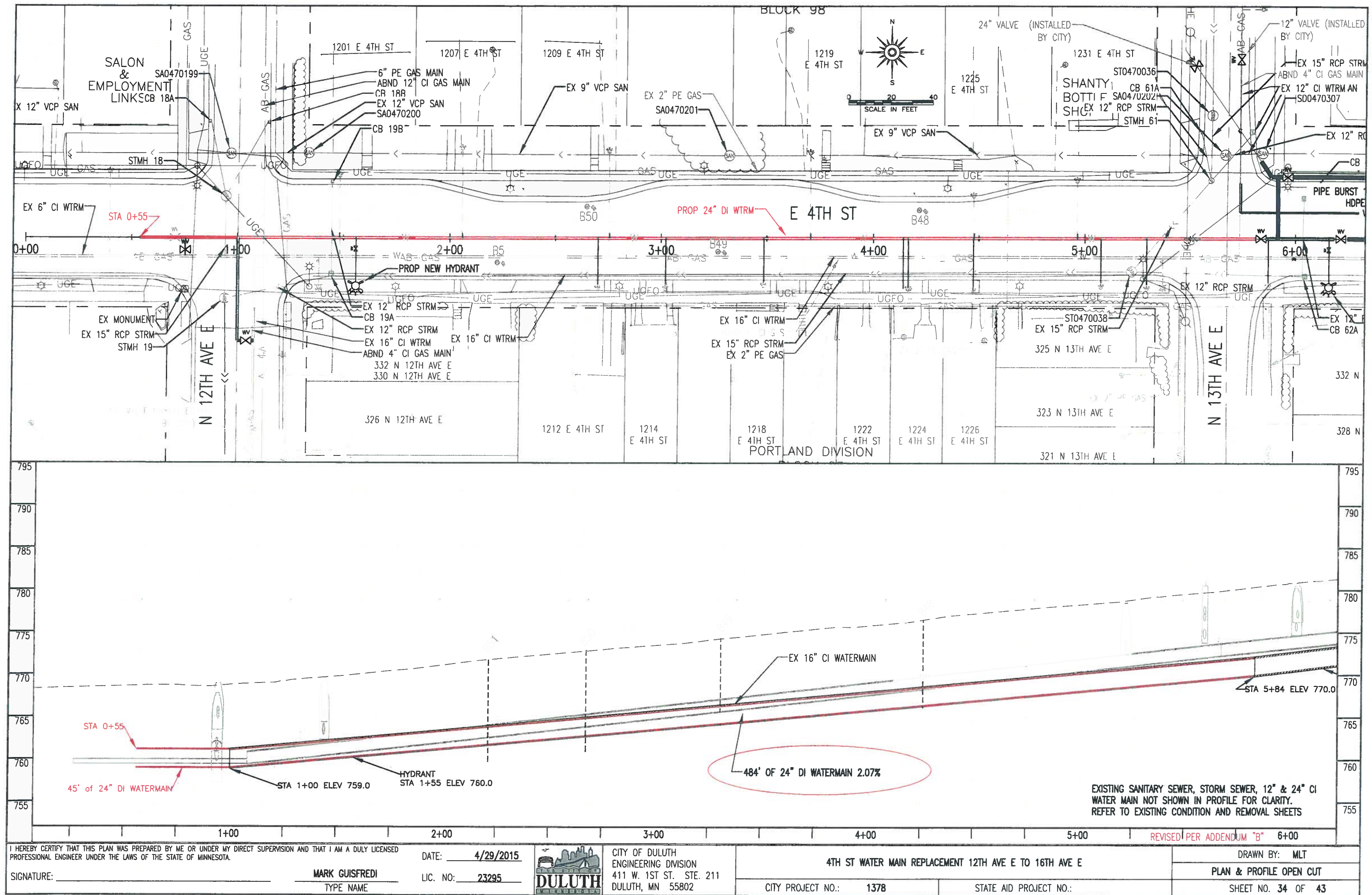
CITY PROJECT NO.: 1378

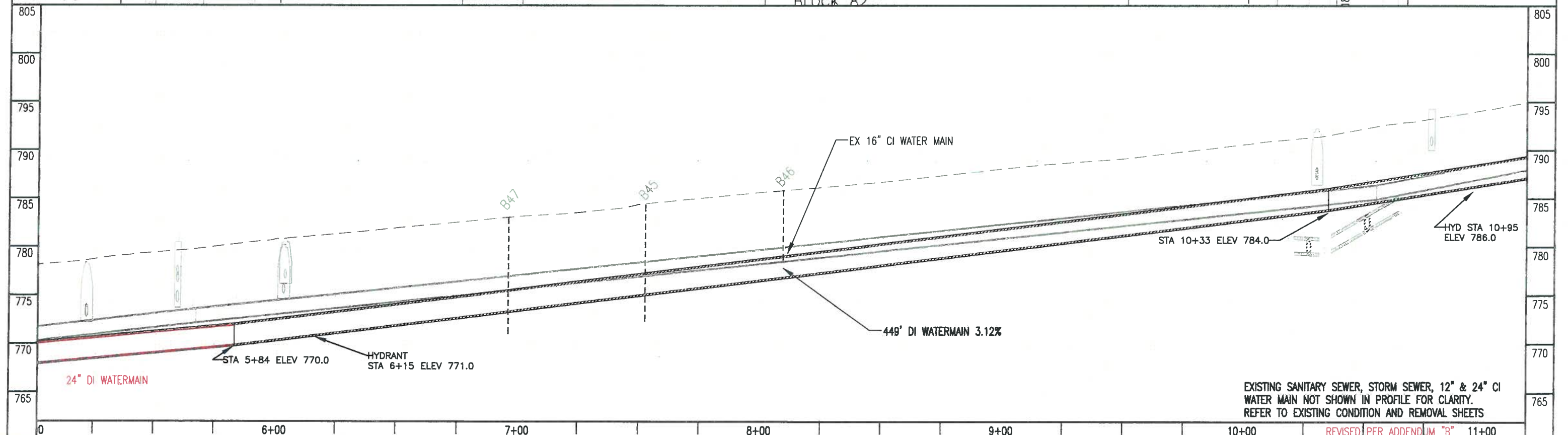
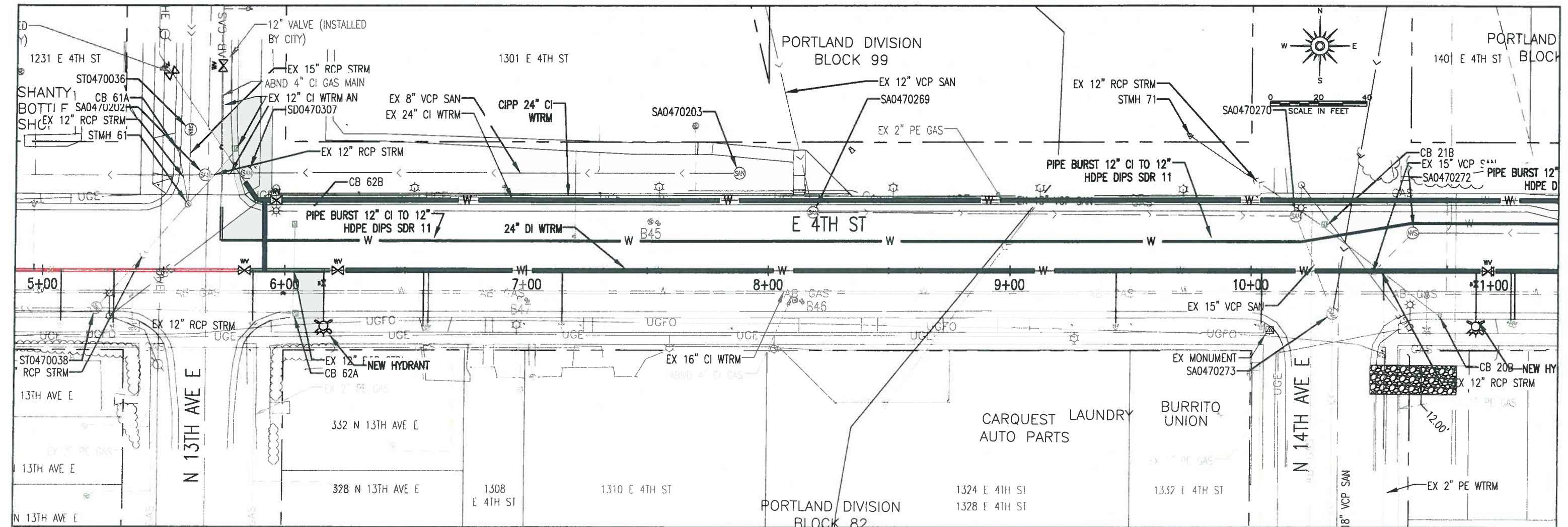
STATE AID PROJECT NO.:

DRAWN BY: MLT

WATER MAIN CHART

SHEET NO. 4 OF 43





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. SIGNATURE: _____		DATE: <u>4/29/2015</u> LIC. NO.: <u>23295</u>	 CITY OF DULUTH ENGINEERING DIVISION 411 W. 1ST ST. STE. 211 DULUTH, MN 55802	4TH ST WATER MAIN REPLACEMENT 12TH AVE E TO 16TH AVE E CITY PROJECT NO.: <u>1378</u>		STATE AID PROJECT NO.: _____		DRAWN BY: <u>MLT</u> PLAN & PROFILE OPEN CUT SHEET NO. <u>35</u> OF <u>43</u>	
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