STATE PIT NO. 56117 IS A POSSIBLE AGGREGATE SOURCE. LOCATION IS SW 1/4 OF SW 1/4 OF SECTION 27, T136N, R39W IN OTTER TAIL COUNTY. APPROX. 103,000 CU YD OF CLASS 5 MATERIAL IS AVAILABLE.

## SP 5620-24 EQUATIONS

93+08.99 BK = 93+11.90 AH 379+40.13 BK = 387+21.71 AH 431+56.04 BK = 431+78.68 AH 448+04.55 BK = 448+02.98 AH 472+17.07 BK = 472+18.72 AH 504+65.26 BK = 504+55.54 AH 530+67.84 BK = 530+69.27 AH 561+91.55 BK = 561+93.33 AH 579+57.65 BK = 579+58.94 AH 598+09.53 BK = 598+04.92 AH 610+86.23 BK = 610+90.92 AH 635+85.49 BK = 635+90.95 AH 686+90.08 BK = 686+94.19 AH 732+94.11 BK = 732+95.57 AH 762+43.68 BK = 762+46.33 AH 796+24.39 BK = 796+10.19 AH

## SP 5621-23 EQUATIONS

847+52.60 BK = 848+29.64 AH 862+12.96 BK = 861+91.26 AH 873+74.95 BK = 873+69.10 AH 881+34.56 BK = 881+51.82 AH 912+97.86 BK = 912+94.70 AH 951+83.65 BK = 963+91.30 AH 973+93.57 BK = 973+98.06 AH 990+01.20 BK = 990+00.88 AH 1015+92.92 BK = 1015+95.07 AH 1065+27.02 BK = 1065+27.65 AH 1097+11.74 BK = 1096+24.38 AH 1177+42.73 BK = 1177+44.00 AH 1243+95.51 BK = 1243+97.84 AH 1301+41.57 BK = 1301+47.68 AH

#### THE 70 DEC DIG TO CENTION

TO STATION
R.P. 36 = 779+61 R.P. 37 = 832+10 R.P. 38 = 885+57 R.P. 39 = 938+83 R.P. 40 = 1004+26 R.P. 41 = 1056+53 R.P. 42 = 1108+73
R.P. 43 = 1161+08
R.P. $44 = 1214+03$
R.P. 45 = 1266+95
R.P. 46 = 1319+99
R.P. 47 = 1372 + 81

SCALES

10000'

500′

INDEX MAP

GENERAL LAYOUT

PLAN REVISIONS T (Heavy Commercial)

## MINNESOTA DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN FOR GRADING, BITUMINOUS MILLING & SURFACING, ADA IMPROVEMENTS, RETAINING WALLS, AND END POSTS FOR BRIDGES NO. 9406 & NO. 56007

LOCATED ON TH 78 FROM TH 210 IN BATTLE LAKE TO TH 10 IN PERHAM

STATE PROJ. NO. 5620-24 (TH. 78) BRIDGES-LENGTH......FEET.....MILES EXCEPTIONS-LENGTH FEET MILES
NET LENGTH 77626.05 FEET 14.702 MILES
REF. POINT 21+00.543 TO REF. POINT 36+00.379

STATE PROJ. NO. 5621-23 (TH 78) GROSS LENGTH. 57875.57 FEET. 10.961 MILES BRIDGES-LENGTH ...... 454.00 FEET ... 0.086 MILES EXCEPTIONS-LENGTH..... FEET.....MILES NET LENGTH 57875,57 FEET 10,961 MILES REF. POINT 36+00,379 TO REF. POINT 47+00,265

END S.P. 5621-23 R38W Reconstruction projects must include 20-scale sidewalk and curb ramp detail sheets with sidewalk profiles. STA. 1381+41.64

BEGIN S.P. 5620-24

.H. 78 STA. 15+01.90

STA. 997+73.01

BEGIN S.P. 5621-23 END S.P. 5620-24 T.H. 78 STA. 799+29.50

FOR PLANS AND UTILITIES SYMBOLS SEE TECHNICAL MANUAL STATE PROJ. NO. CHARGE IDENTIFIER 5621-23 5620-24

STA. 999+16.57

BRIDGE LENGTH

DESIGN DESIGNATION 2009 = 1,076,000

ADT (Current Year) 2011 = 5600 Design Speed 60 MPH ADT (Future Year) 2031 = ...7300. Based on STOPPING Sight Distance DHV (Design Hr. Vol.) = ...875. Height of eye 3.5' Height of object 2.0' = 40/60 % Design Speed not achieved at: Locally Restricted D (Directional Distr.)

= 5.3 % STA. TO STA. MPH STA. TO STA. MPH

PROJECT LOCATION DISTRICT : ....4....

COUNTY : O.T.TER .TAIL.

S.P. 5620-24 (TH 78 = 180) STATE PROJ. NO. 5621-23 (TH 78 = 181)

### GOVERNING SPECIFICATIONS

FED. PROJ. NO. STPM 5614(012)

THE 2005 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION", SHALL GOVERN.

## INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2-6	GENERAL LAYOUT
7-9	ESTIMATED QUANTITIES
10-13	TYPICAL SECTIONS
14-19	QUANTITY TABULATIONS
20-22	UTILITY TABULATIONS
23-29A	DESIGN DETAILS
30-42C	STANDARD PLAN SHEETS
43-44	ALIGNMENT TABULATION
45	SWPPP SHEET
46-50	EXISTING TOPOGRAPHY PLAN SHEETS
51-55	REMOVAL PLAN SHEETS
56-64	CONSTRUCTION PLAN SHEETS
65-66	PROFILES -
67-73	SIDEWALK DETAIL PLAN SHEETS
74	SIDEWALK PROFILES
75-77	DRAINAGE PLAN AND PROFILE SHEETS
S1-S14	SIGNING & STRIPING SHEETS
T1-T3	TRAFFIC CONTROL SHEETS
SW1-SW7	SANITARY SEWER AND WATERMAIN PLAN
XS1-XS26	CROSS SECTION SHEETS

#### THIS PLAN CONTAINS...131, SHEETS

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

	0	51M1E 01	MITTING OF THE				
PRINT	NAME:	JASON	P. SCHMIDT	LICENSE	#	42788	

DATE: 2/4/2013 SIGNATURE: //

MMENDED	FOR	APPROVAL	- Pody	W.	AND ORTA	TION EN	CINEER	2-5	20.
UNITED TO	FOD	4DDD01/41	Train	Ρ.	וע	أسل		2-5	

I HEREBY CERTIFY THAT THE FINAL FIELD REVISIONS, IF ANY, WERE 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: LICENSE #.....

DATE: SIGNATURE:

BOLTON&MENK, INC. CONSULTING ENGINEERS & SURVEYORS

MANKATO, MN FAIRMONT, MN SLEEPY EYE, MN BURNSVILLE, MN WILLMAR, MN CHASKA, MN

SHEET NO. 1 OF 77 SHEETS

Jasonsc 3/12/201	H:\MD0T\T42104881\CAD\plans\Tabs\CD562123_seq02.dgn

	·	STATEMENT OF ESTIMAT	ED QUANT	ITIES		-	
SHEET NO.	ITEM NO.	DESCRIPTION	UNITS	TOTAL ESTIMATED QUANTITIES	SP 5620-24	SP 5621-23	100% CITY
15	2360.503	TYPE SP 12.5 WEARING COURSE MIXTURE (3,B) 2.5" THICK	SO YD	4792	1945	2847	
29A	2411.501	STRUCTURAL CONCRETE (1A43)	CU YD	23	23		
16	2411.501	STRUCTURAL CONCRETE (3A34)	CU YD	3	3		
16 18 <b>,</b> 27	2411.541 2411.602	REINFORCEMENT BARS PLUG & ABANDON CATTLE PASS	POUND	224	224		
16,29	2411.607	CONCRETE STEPS	EACH CU YD	30	1 70		
29A	2411.618	MODULAR BLOCK RETAINING WALL	SO FT	677	30 677		
29A	2411.618	ANTI-GRAFFITI COATING	SQ FT	832	832		
29A	2451,501	STRUCTURE EXCAVATION CLASS U	CU YD	64 (D)			
18	2451.509	AGGREGATE BEDDING (CV)	CU YD	64 (P) 715 (P)	64 259	456	
	2478.601	ORGANIC ZINC-RICH PAINT SYSTEM (OLD) (2)	LUMP SUM	1	1		
18	2501.511	24" RC PIPE CULVERT	LIN FT	706	248	458	
18	2501.511	24" RC PIPE CULVERT CLASS V-JACKED	LINFT	110		110	
18	2501.511	36" RC PIPE CULVERT	LIN FT	130	48	82	
18	2501.515	24" RC PIPE APRON	EACH	4	2	2	
18 18	2501.569 2501.569	24" RC SAFETY APRON 36" RC SAFETY APRON	EACH	20	6	14	
18	2501.602	PLUG FILL & ABANDON PIPE CULVERT	EACH EACH	4	2	2	
	2502.521	4" TP PIPE DRAIN (3)	LIN FT	175	175		
18	2503.541	12" RC PIPE SEWER DESIGN 3006	1.731.57				
18	2503.541	15" RC PIPE SEWER DESIGN 3006	LIN FT LIN FT	509 352	509		
18	2503.541	18" RC PIPE SEWER DESIGN 3006	LINFT	224	352 224	<del></del>	
18	2503.541	24" RC PIPE SEWER DESIGN 3006	LIN FT	328	328		
SW4	2503.602	CONNECT TO EXISTING SANITARY SEWER	EACH	5			5
18	2503.602	CONNECT TO EXISTING STORM SEWER	EACH	4	4		
SW4	2503.602 2503.602	CONNECT TO EXISTING SANITARY SEWER SERVICE PLUG & ABANDON PIPE SEWER (4)	EACH	15			15
SW4	2503.602	PLUG & ABANDON PIPE SEWER (4) 8" PIPE PLUG	EACH EACH	1			1
SW4	2503.602	8"X4" PVC WYE	EACH	1 15	· · · · · · · · · · · · · · · · · · ·		15
SW4	2503.603	8" PVC PIPE SEWER	LIN FT	936			936
SW4	2503.603	4" PVC SANITARY SERVICE PIPE	LIN FT	604			604
SW4	2504.602	CONNECT TO EXISTING WATER MAIN	EACH	6			6
SW4	2504.602	CONNECT TO EXISTING WATER SERVICE	EACH	25	-	· · · · · · · · · · · · · · · · · · ·	25
SW4	2504.602	HYDRANT	EACH	3			3
22 SW4	2504.602	ADJUST GATE VALVE	EACH	5			5
SW4	2504.602 2504.602	0.75" CORPORATION STOP 1.5" CORPORATION STOP	EACH	22			22
SW4	2504.602	6" GATE VALVE AND BOX	EACH EACH	3 3			3
SW4	2504.602	8" GATE VALVE AND BOX	EACH	5			3 5
SW4	2504.602	0.75" CURB STOP & BOX	EACH	22			22
SW4	2504.602	1.5" CURB STOP & BOX	EACH	3			3
SW4 SW4	2504.603 2504.603	3/4" TYPE PE PIPE 1 1/2" TYPE PE PIPE	LINFT	955			955
SW4	2504.603	6" PVC WATERMAIN	LINFT	133			133
SW4	2504.603	8" PVC WATERMAIN	LIN FT	212 1387			212 1387
SW4	2504.608	DUCTILE IRON FITTINGS	POUND	881			881
18	2506.501	CONST DRAINAGE STRUCTURE DESIGN H	LIN FT	52.8	52.8		
18	2506.501	CONST DRAINAGE STRUCTURE DESIGN 48-4020	LIN FT	40.5	40.5		
18	2506,516	CASTING ASSEMBLY	EACH	21	21		
22 SW4	2506.522 2506.602	ADJUST FRAME & RING CASTING CONST DRAINAGE STRUCTURE DESIGN SPECIAL	EACH EACH	1			1
			EACH	4		··································	4
18	2511.501	RANDOM RIPRAP CLASS III (5)	CU YD	100	40	60	
16,28	2514.604	SLOPE PAVING SPECIAL	SO YD	5	5		
16	2521.501	4" CONCRETE WALK	SO FT	22992	22992		
16	2521.501	4" CONCRETE WALK SPECIAL	SQ FT	4497	4497		
16	2521.501	6" CONCRETE WALK	SQ FT	4426	4354		72

#### CONSTRUCTION NOTES:

- (P) DENOTES PLANNED QUANTITY.
- SEE AGREEMENT \*03276 FOR LUMP SUM AGREEMENT.
   PAINT EXISTING ORNAMENTAL METAL RAILING ON RETAINING WALL (STA 59+75 RT 66+50 RT).
   TO BE PLACED AT BASE OF MODULAR BLOCK RETAINING WALL. SEE STANDARD PLANS FOR
- PIPE LOCATION. SEE SHEET 29A FOR RETAINING WALL LOCATION.
- (4) INCLUDES FILLING.
- (5) FILTER IS INCIDENTAL.

_	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED I									
	BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULLY LICENSED	DESIGNED	AIA	BOLTON&MENK, INC.	REV.	BY	DATE	STATE PROJECT NO. 5621-23	SHEET	7
	PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.	JPS	AIA	•				STATE TROJECT NO. JOZI ZJ	-	1
		DRAWN	/ WA	CONSULTING ENGINEERS & SURVEYORS				TH 78 BATTLE LAKE TO PERHAM	8	
	The state of the s	LLK	/ V \	MANKATO, MN FAIRMONT, MN SLEEPY EYE, MN					OF.	1
ļ	JASON P. SOMMIDT	CHECKED	_ I \	BURNSVILLE, MN WILLMAR, MN CHASKA, MN				ESTIMATED QUANTITIES	77	1
1	LIC. NO. 42788 DATE 01-16-2013	DKA	, ♦	RAMSEY, MN. MAPLEWOOD, MN. BRAINERD, MN. AMES IA				ESTIMATED QUANTITIES	"	1

16 2531.501 CONCRETE CURB & GUTTER DESIGN B624 LIN FT 2639 2614 25 16 CONCRETE CURB & GUTTER DESIGN D424 2531.501 LIN FT 52 52 16 2531.502 CONCRETE CURB DESIGN V6 LIN FT 26 26 16 2531.507 8" CONCRETE DRIVEWAY PAVEMENT 568 SQ YD 568 16 2531,603 CONCRETE CURB & GUTTER LINFT 175 175 16 2531.618 TRUNCATED DOMES SO FT 458 438 20 17 2540.602 MAIL BOX SUPPORT EACH 225 159 66 16 2540.603 METAL RAILING LIN FT 86 86 2554.501 14 TRAFFIC BARRIER DESIGN SPECIAL LIN FT 200 200 TRAFFIC BARRIER DESIGN B8338 14 2554.501 LIN FT 675 675 18 2554,509 GUIDE POST TYPE B EACH 26 18 14 END TREATMENT-ENERGY ABSORBING TERMINAL 2554.523 EACH 8 2557.603 INSTALL WOVEN WIRE FENCE LIN FT 320 320 16,28 2557.603 ORNAMENTAL IRON FENCE LIN FT 154 154 2563.601 TRAFFIC CONTROL LUMP SUM 0.59 0.37 0.04 TEMPORARY PEDESTRIAN ACCESS CONTROL 2563.601 LUMP SUM 2563.601 DETOUR SIGNING LUMP SUM 2563,602 PORTABLE CHANGEABLE MESSAGE SIGN EACH 4 4 2564.531 SIGN PANELS TYPE C SQ FT 187 162 25 S6 2564.531 SIGN PANELS TYPE D SO FT 90 90 S6 2564.537 INSTALL SIGN TYPE C EACH 3 S6 2564.537 INSTALL SIGN TYPE D EACH TREE GRATE 17 2571.602 EACH 4 SILT FENCE, TYPE MACHINSite Restoration is used because this 2573.502 19 7059 3026 4033 2573,530 18 STORM DRAIN INLET PROT 13 13 particular project included a mill and 18,26,35 CULVERT PROTECTION 2573.602 15 6 9 inlay segment. Traditional turf 2575.501 SEEDING 3.6 1.2 2.4 SEED MIXTURE 250 19 2575.502 establishment items should be used 251 82 169 19 2575.505 SODDING TYPE LAWN MULCH MATERIAL TYPE 1 for reconstruction projects. 819 819 19 2575.511 7.2 2.4 4.8 19 2575.519 DISK ANCHORING 3.6 1.2 2.4 19 2575.523 **EROSION CONTROL BLANKETS CATEGORY 3** SQ YD 356 148 208 19 2575.532 FERTILIZER TYPE 3 POUND 1257 410 847 2575,602 SITE RESTORATION EACH 9 8 2575.604 MULCH MATERIAL TYPE SPECIAL (2) SQ YD 14 14 2580.601 INTERIM PAVEMENT MARKING LUMP SUM 2582.501 PAVEMENT MESSAGE (LT ARROW) POLY PREF-GR IN EACH 14 14 PAVEMENT MESSAGE (RT ARROW) POLY PREF-GR IN 2582.501 EACH 5 1 4 14 2582.501 PAVEMENT MESSAGE (THRU ARROW) POLY PREF-GR IN EACH PAVEMENT MESSAGE (SCHOOL XING) POLY PREF-GR IN 2582.501 EACH 14 2582.501 PAVEMENT MESSAGE (STOP AHEAD) POLY PREF-GR IN EACH PAVEMENT MESSAGE (RR XING) POLY PREF-GR IN 14 2582.501 EACH 14 2582.502 24" STOP LINE WHITE-POLY PREF (GR IN) LIN FT 60 72 14 2582,502 4" SOLID LINE WHITE-EPOXY (GROUND IN) LIN FT 15530 11515 4015 14 2582.502 8" DOTTED LINE WHITE-EPOXY (GROUND IN) LIN FT 366 153 213 14 2582,502 4" SOLID LINE YELLOW-EPOXY (GROUND IN) LIN FT 29190 21200 7990 14 2582.502 24" SOLID LINE YELLOW-EPOXY (GROUND IN) LIN FT 103 95 14 2582.502 4" BROKEN LINE YELLOW-EPOXY (GROUND IN) LIN FT 24650 14220 10430 14 2582.502 4" DBLE SOLID LINE YELLOW-EPOXY (GR IN) LIN FT 12960 8750 4210 14 2582,503 CROSSWALK MARKING-POLY PREFORM (GR IN) SO FT 1584 1584 2582.603 4" SOLID LINE WHITE-EPOXY (WR) LIN FT 258050 144135 113915

Design xxxx) are used for reconstruction projects.

This particular project includes a mill and inlay through part of town. The "Concrete

segment. Traditional pay items (4" or 6" Concrete Walk and Concrete Curb & Gutter

Walk" and "Concrete Curb & Gutter" pay items are used in the mill and inlay

#### CONSTRUCTION NOTES:

- (P) DENOTES PLANNED QUANTITY.
- (1) SEE AGREEMENT \*03276 FOR LUMP SUM AGREEMENT.
- (2) TO BE PLACED IN TREE GRATES (SEE DETAIL ON SHEET 27) AND AT 38+72 LT TO 39+07 LT.

SHEET

9

77

BOLTON&MENK, INC. | 11 | 11 | STATE PROJECT NO. 5621-23 JPS CONSULTING ENGINEERS & SURVEYORS TH 78 BATTLE LAKE TO PERHAM MANKATO, MN FAIRMONT, MN SLEEPY EYE, MN BURNSVILLE, MN WILLMAR, MN CHASKA, MN ESTIMATED QUANTITIES RAMSEY, MN MAPLEWOOD, MN BRAINERD, MN AMES, IA

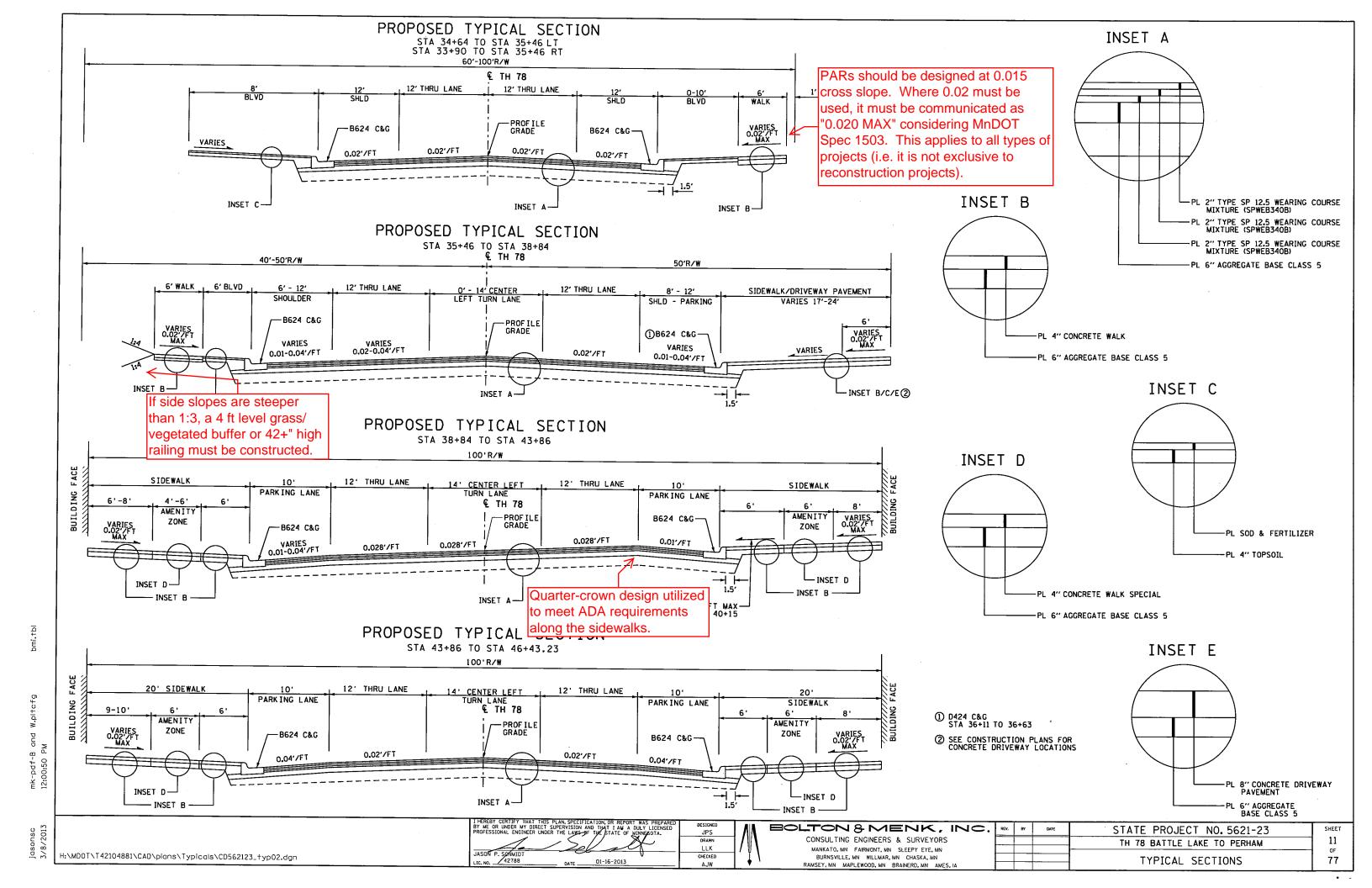
SHEET NO.

16

ITEM NO.

2521.618

CONCRETE WALK



_		1	<u> </u>			···-		JUNCKE I	E CUR	D & 601	IER / W/	ALK / DRIV	EWAY P	A V E M E I	NI / ME	IAL KA	LLING A	ND FEN	CE							
SP	STATION	LOCATION	INTERSECTION OUADRANT		WALK VII		(4)	AGGREGATE BASE (CV) CLASS 5	METAL RAILING (9)	ORNAMENTAL IRON FENCE (9)	STRUCTURAL CONCRETE (3A34) (6)	REINFORCEMENT BARS (6)	CONCRETE STEPS (8)	SLOPE PAVING SPECIAL	CONCRETE WALK	4" CONCRETE WALK SPECIAL (3)	6" CONCRETE WALK	CONCRETE WALK (5)	8" CONCRETE DRIVEWAY PAVEMENT	CONCRETE CURB & GUTTER DESIGN B624	CONCRETE CURB & GUTTER DESIGN D424	CONCRETE CURB DESIGN V6	CONCRETE CURB & GUTTER	TRUNCATED DOMES	SITE RESTORATION	REMARK
	77 . 40 . 75 . 05			LINFT	SO FT	SO FT	SO FT	CU YD	LINFT	LINFT	CU YD	POUND	CU YD	SO YD	SO FT	SO FT	SO FT	SO FT	SO YD	LINFT	LINFT	LIN FT	LIN FT	SO FT	EACH	1
	33+48 - 35+05 34+71 - 38+24		<del> </del>	204 402	1029	ļ	ļ													202						
	34+72 - 34+82		DAIRY QUEEN NE	402	1023	<u> </u>		58 1		<del></del>					3149		70			398	52					
	34+81 - 34+93		HOLDT ST SW				_	2								-	78 88	-				<del> </del>		12 12		
	35+29	RT						15				<u> </u>			<del></del>		- 00		92				-	12		
ŀ	35+51 - 38+22			286	146			21							1127			_		323						-
ŀ	35+64	LT	HOLDT ST NW					2									95							12		
ŀ	35+82 35+82	LT RT	HOLDT ST NW HOLDT ST NE				<u> </u>	2									86							12		
ŀ	36+11 - 36+98		HOLDT 31 NL			<del> </del>	207	33									81					<u> </u>		12		
ı	36+46	LT			<del></del>	<del> </del>		6											198 35							
	37+16	LT						4									<del> </del>		26	-		<u> </u>				
ŀ	37+61 - 37+93	LT					765	12											69							
ŀ	37+82 38+07	RT LT	HENNING ST SW			<b>-</b>	189	9		<u> </u>									54							
ŀ	38+07	RT	HENNING ST SE		<u> </u>		ļ	3									147							12		
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ŀ	38+69 - 41+86 38+76	LT RT	HEMNING ST NE	357	3594	<del> </del>		84							3852	697				362						
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	41+77	LT	MAIN ST SW			<u> </u>		3									169					ļ		12 12		-
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ľ	42+35 - 45+62 42+44	RT LT	MAIN ST NW	351	3992	<u> </u>		105							4239	1406				373						
ŀ	42+44	RT	MAIN ST NE				<u> </u>	3									178							12		
ı	42+55	LT	MAIN ST NW				-	3			-						172 178				* -	ļ		12		
		RT	MAIN ST NE					3									172							12 12	<del></del>	
Ŀ	45+21 - 45+38								12	19	3	224		5						· · · · · · · · · · · · · · · · · · ·		21				
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_	45+99 - 46+42 46+00 - 46+75	LT DT		84	128			1							69					85						
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۲	53+18 - 55+14 53+25	LT RT	DUNTON ST NW DUNTON ST NE	25 (10)	E A	<b>  </b>		23	[						1195		72 (10)			25 (10)				20 (10)	1 (10)	(2)(7)
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																		12						10	1	(1)(2)
	5	TOTAL		2689	16469	347	1704	687	86	154	3	224	30	5	22992	4497	4426	386	568	2639	52	26	175	458	9	$\vdash$
OL.	WAY DIRECTIONA JIRES USE OF 24	1" X 36	ESTRIAN CURB RAMP, " TRUNCATED DOME F WIRL BRUSHED FINISH	PLATES (S'	TD PLATE 7	(880)	STRUCTION	DETAILS (SHE	ETS 30-3	34).	(5) AGGREGA	IS INCIDENTAL ATE BASE (CV) CI ICRETE TOE WALI	_ASS 5 IS IN	ICIDENTAL N SHEET 28		(7) SEE SI (8) INCLUD	HEET 61.	ALLS, SEE	DETAIL ON S			(10) 100% C	ITY OF BAT	TLE LAKE FL ONAL RAMP,		

JPS DRAWN LLK

BOLTON & MENK, INC. RV. RV

CONSULTING ENGINEERS & SURVEYORS

MANKATO, MN FAIRMONT, MN SLEEPY EYE, MN

BURNSVILLE, MN WILLMAR, MN CHASKA, MN RAMSEY, MN MAPLEWOOD, MN BRAINERD, MN AMES, IA

STATE PROJECT NO. 5621-23

TH 78 BATTLE LAKE TO PERHAM

QUANTITY TABULATIONS

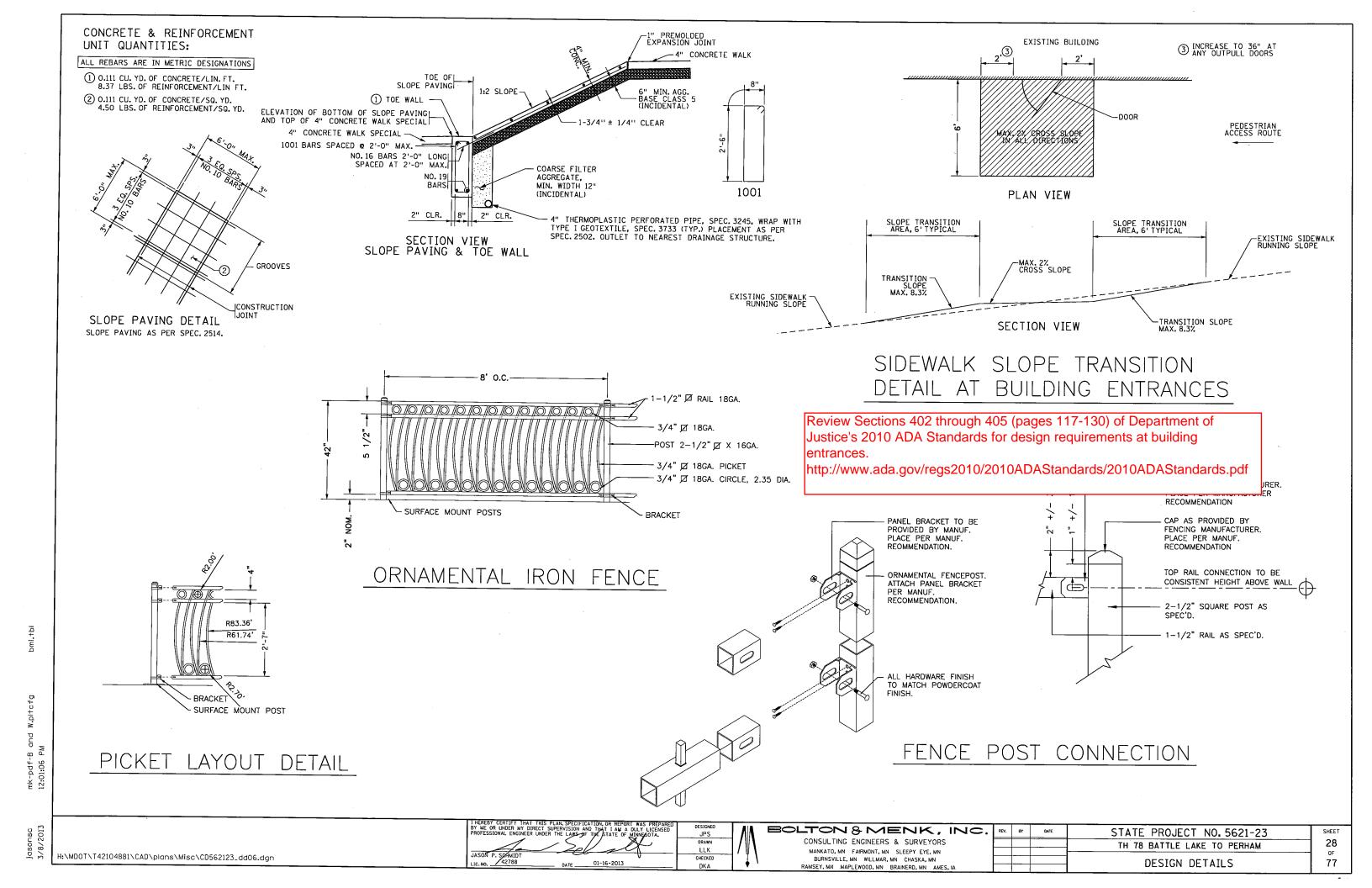
SHEET

16

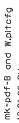
77

CONCRETE CURB & GUTTER / WALK / DRIVEWAY PAVEMENT / METAL RAILING AND FENCE

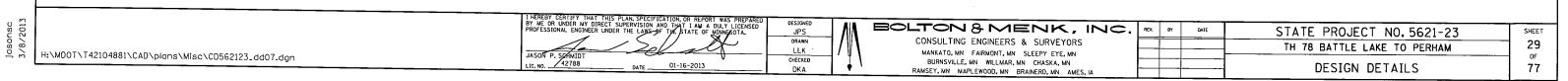
H:\MDOT\T42104881\CAD\plans\Tabs\CD562123\_+b03.dgn

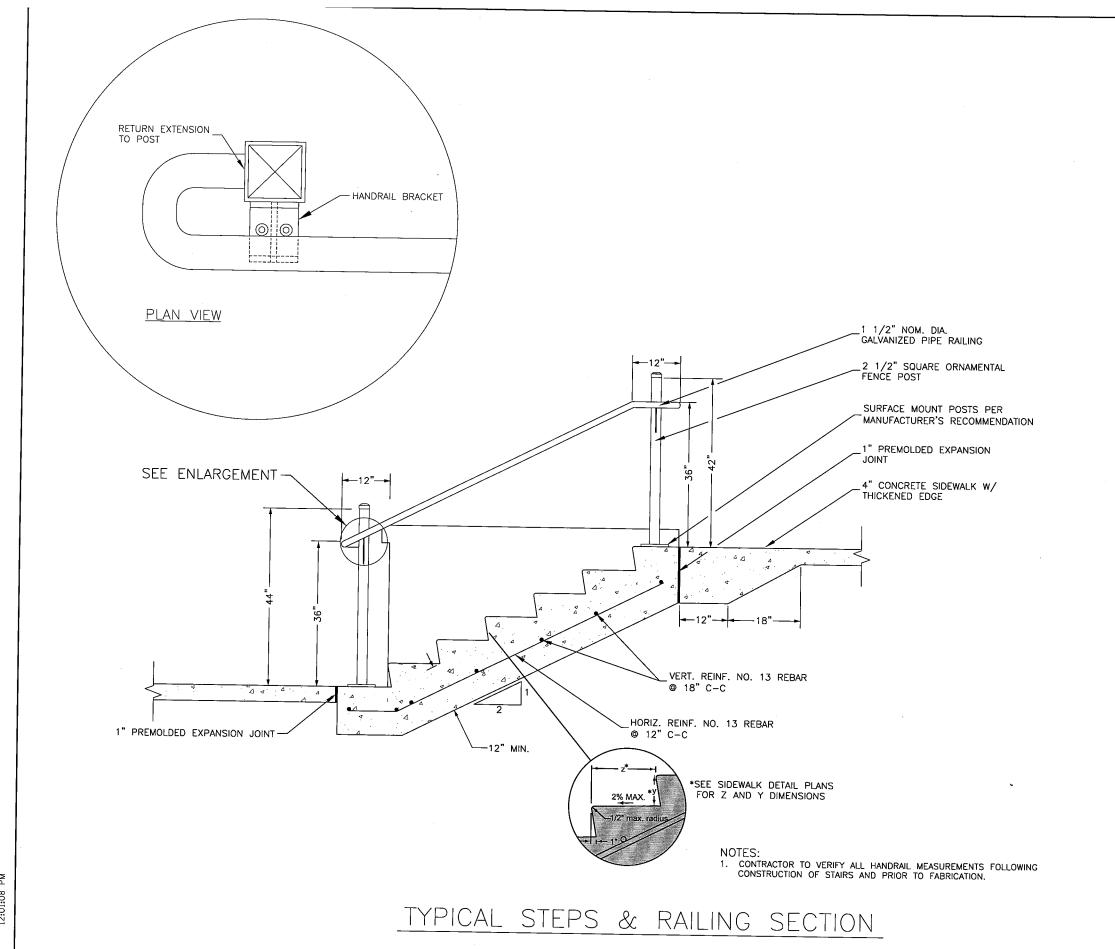


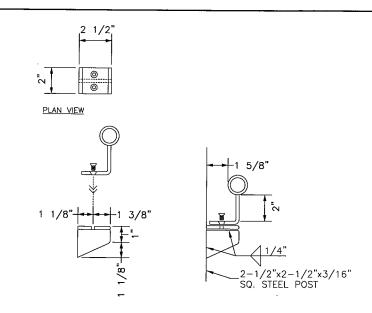






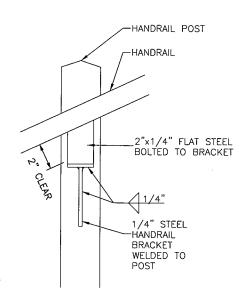




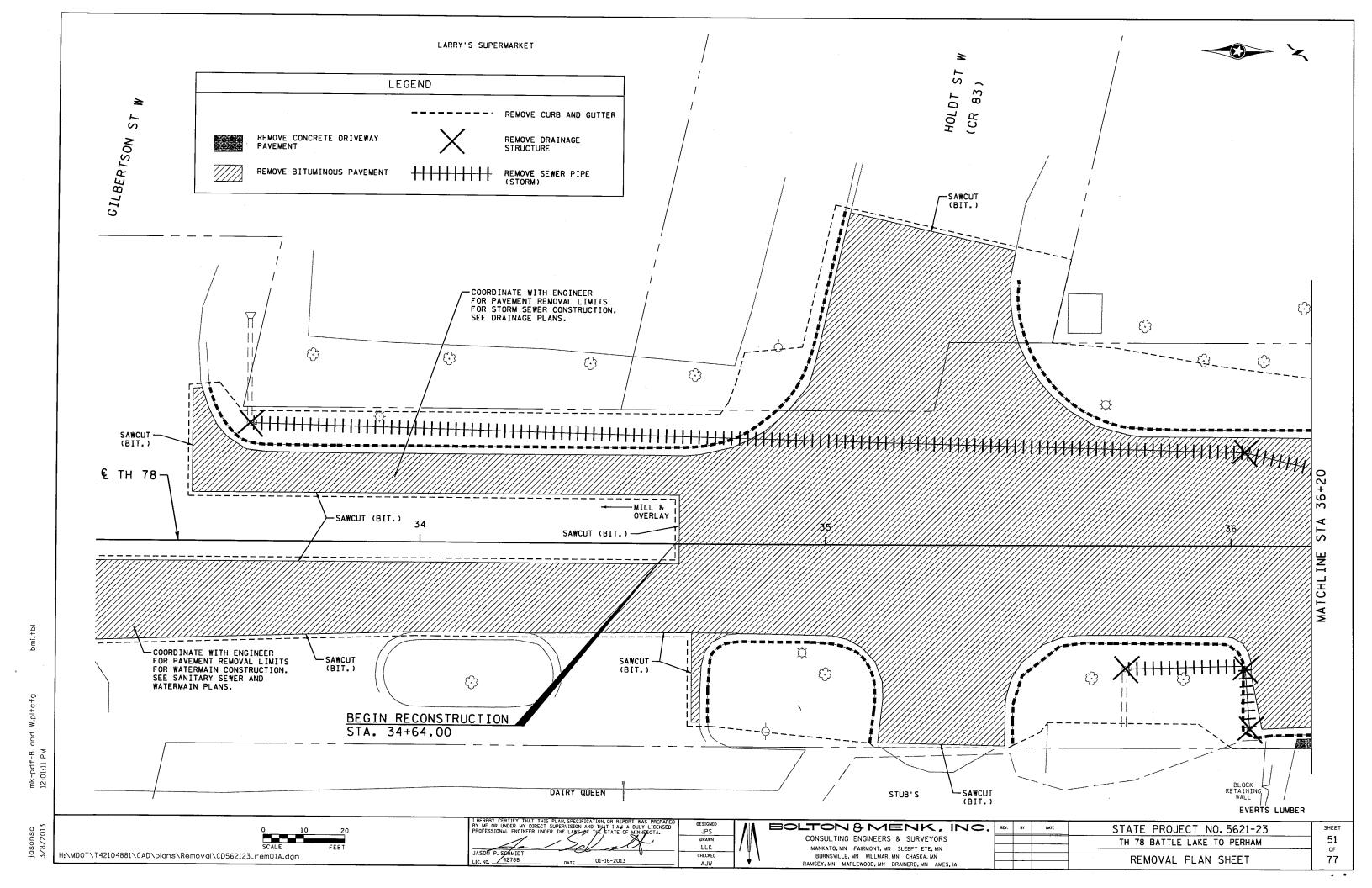


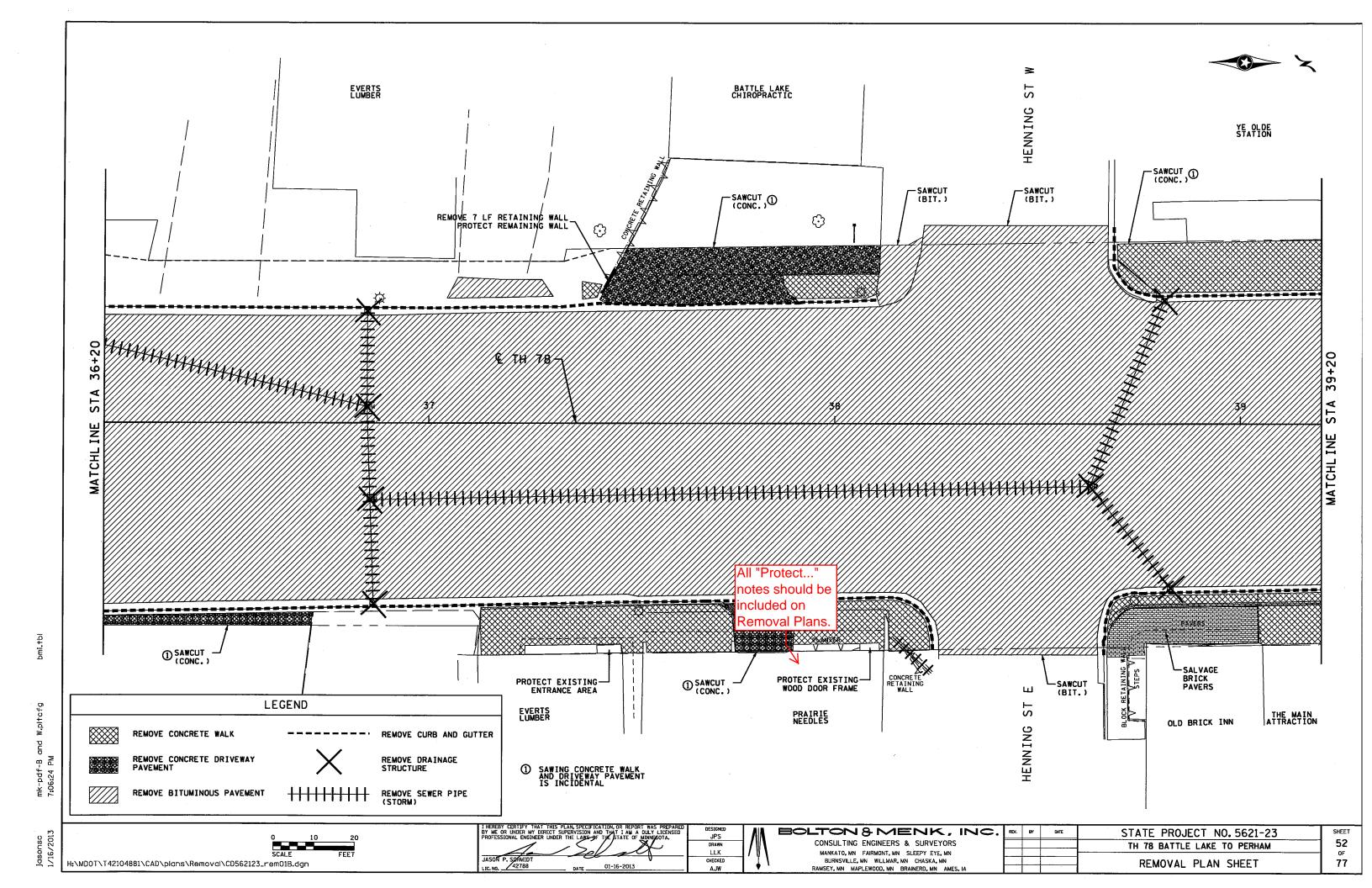
NOTES: ALL HANDRAIL BRACKETS SHALL HAVE SMOOTH AND CONTINUOUS WELDS AND SHALL FOLLOW MATERIALS NOTED UNLESS OTHERWISE STATED.

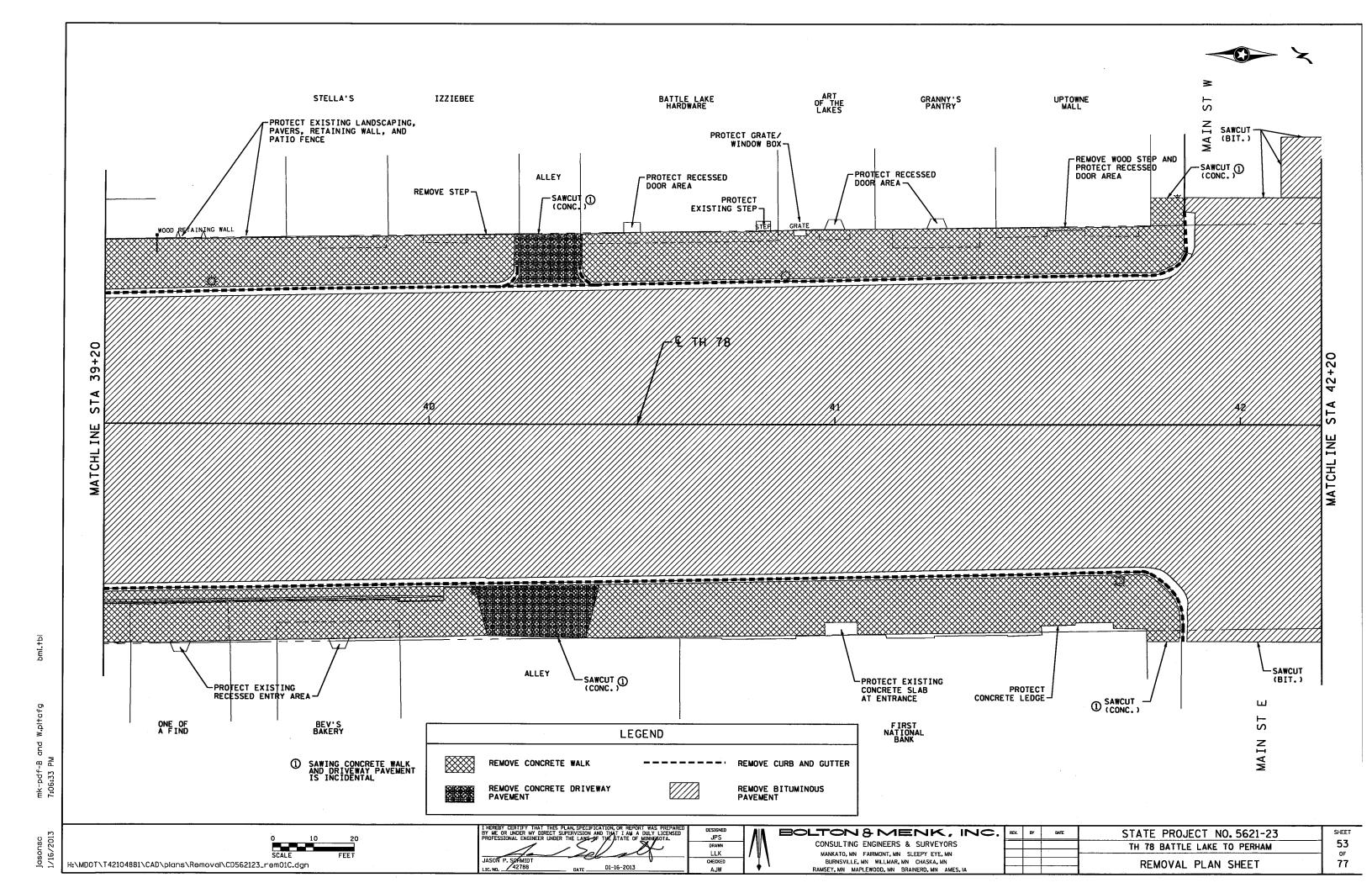
# SECTION: HANDRAIL BRACKET

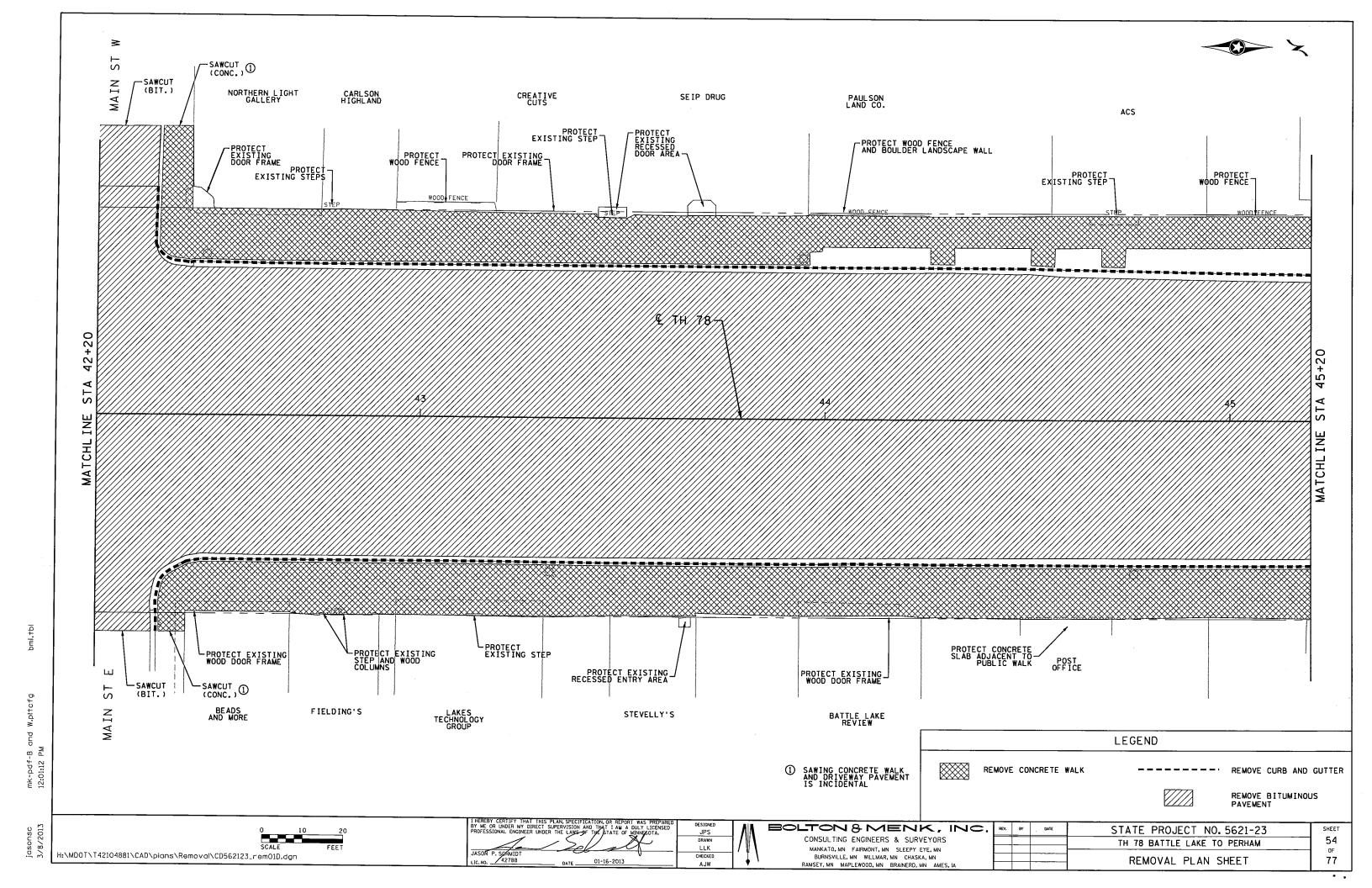


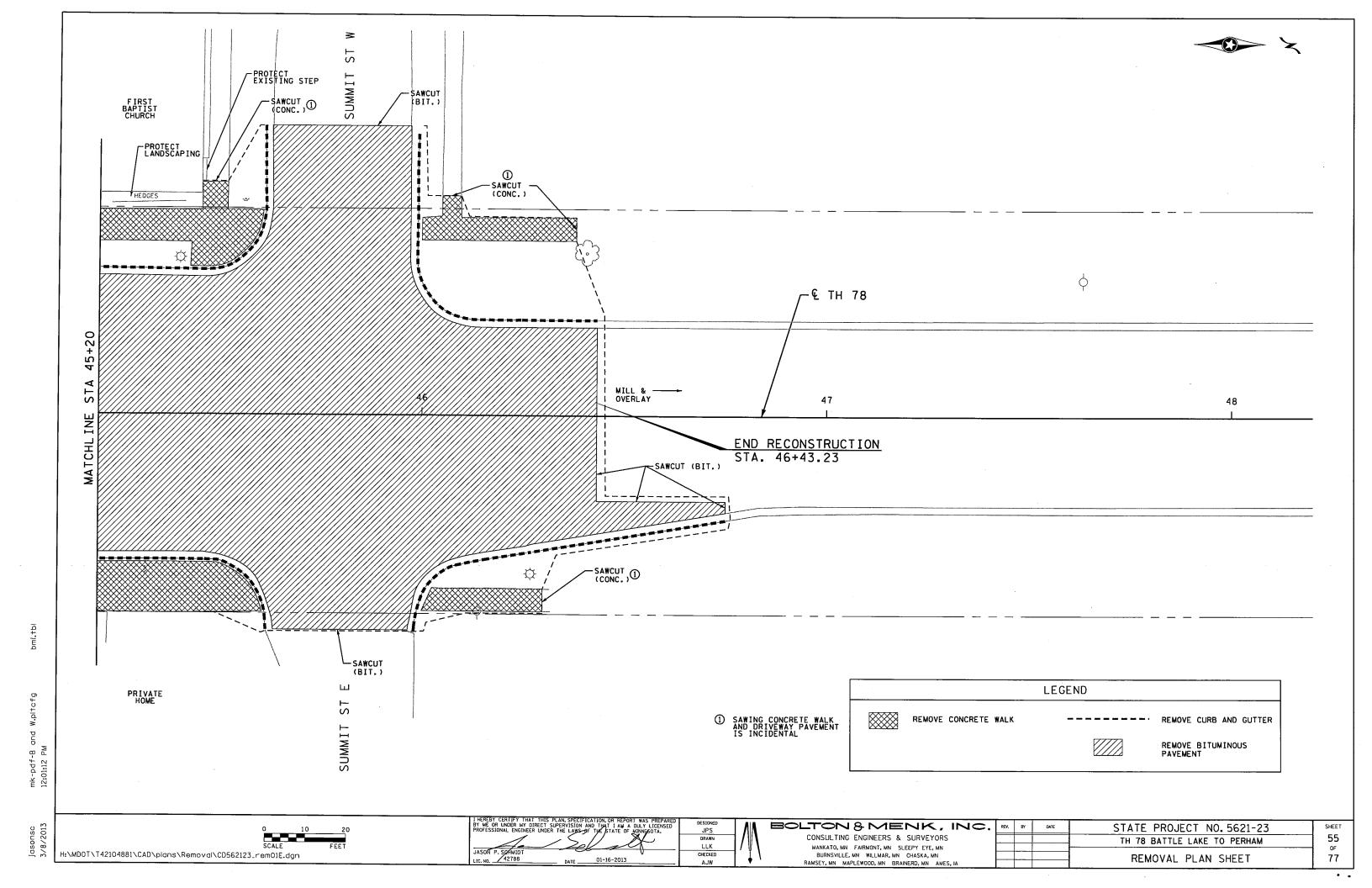
HANDRAIL ELEVATION

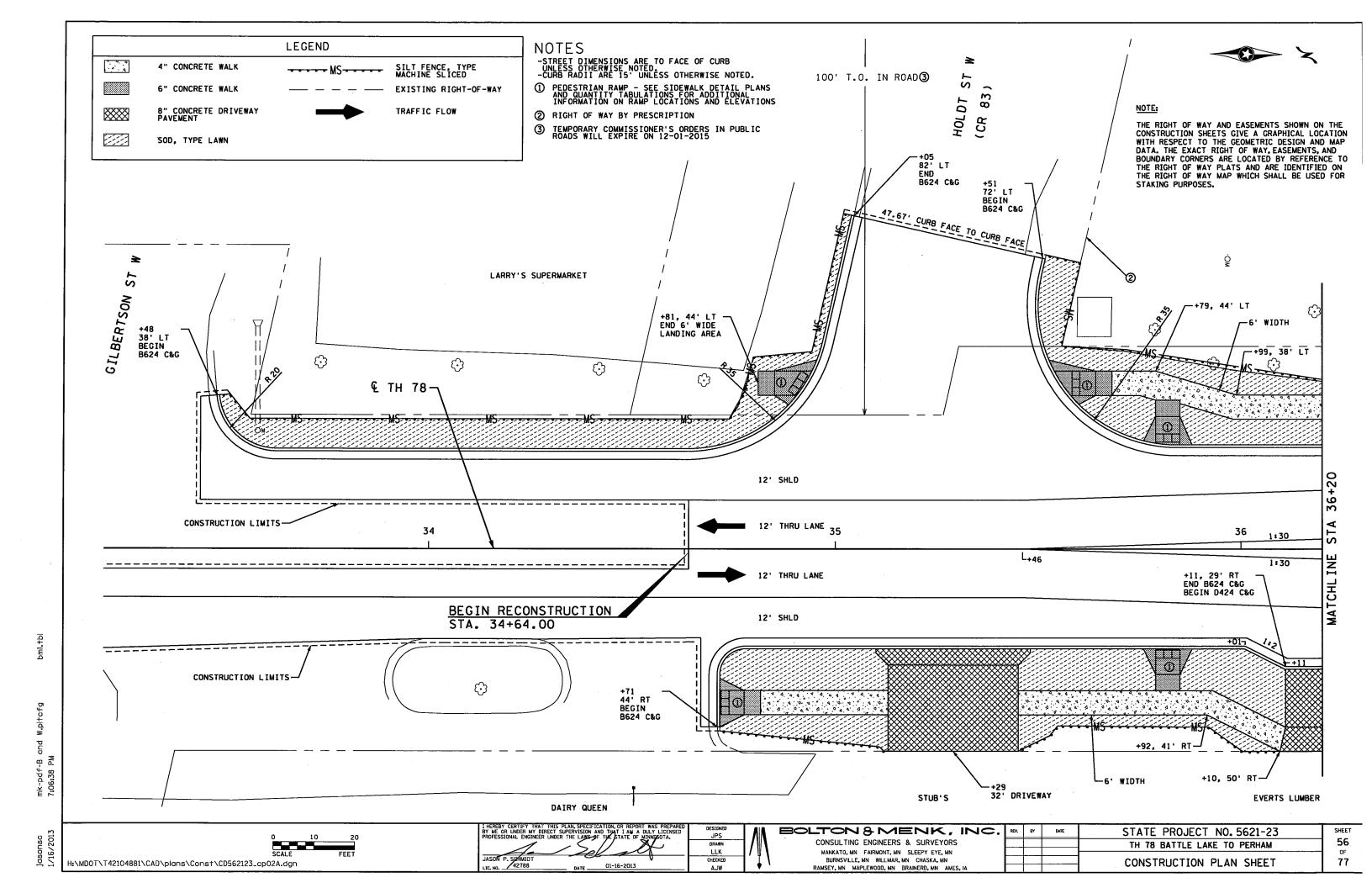


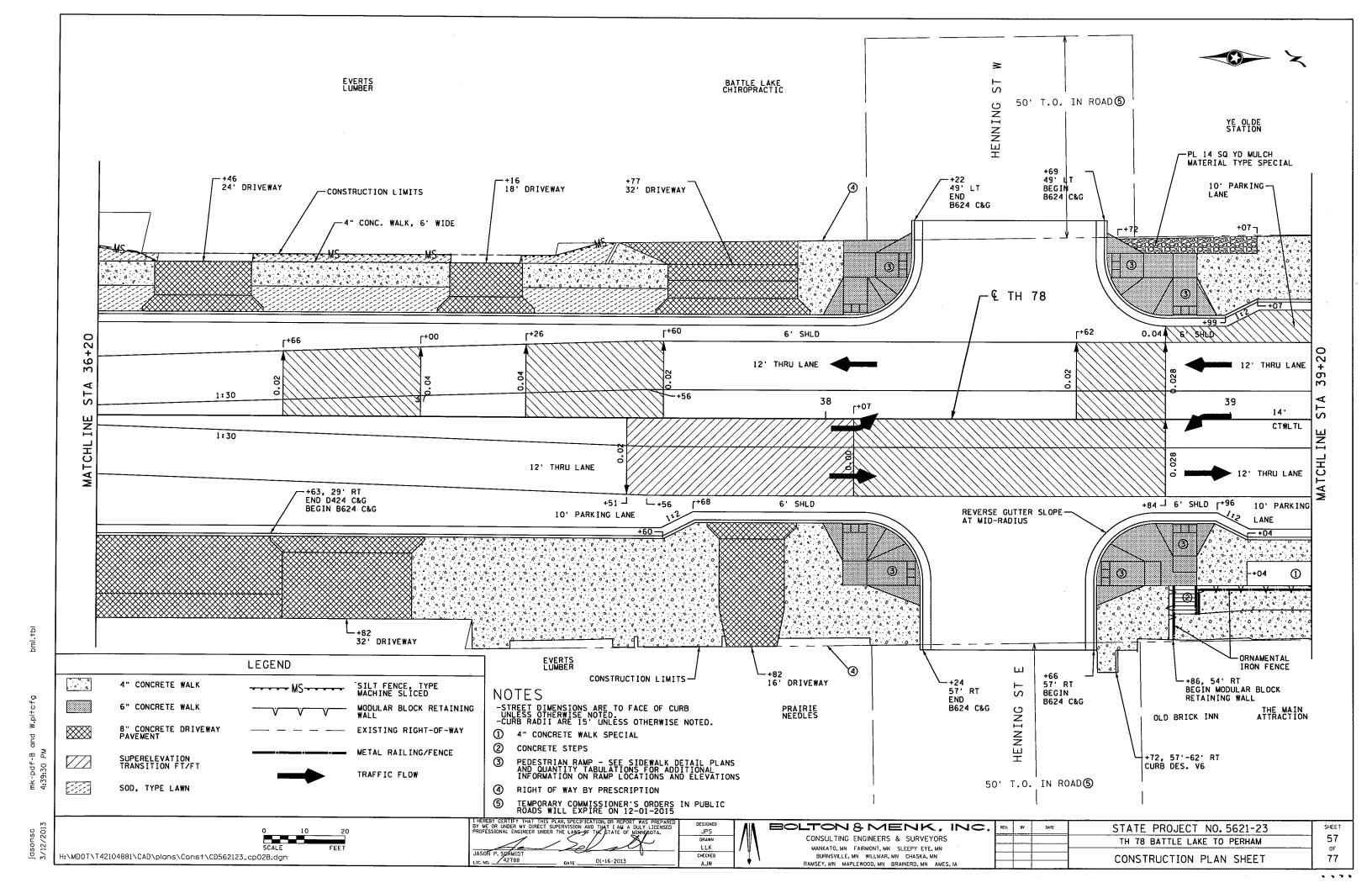


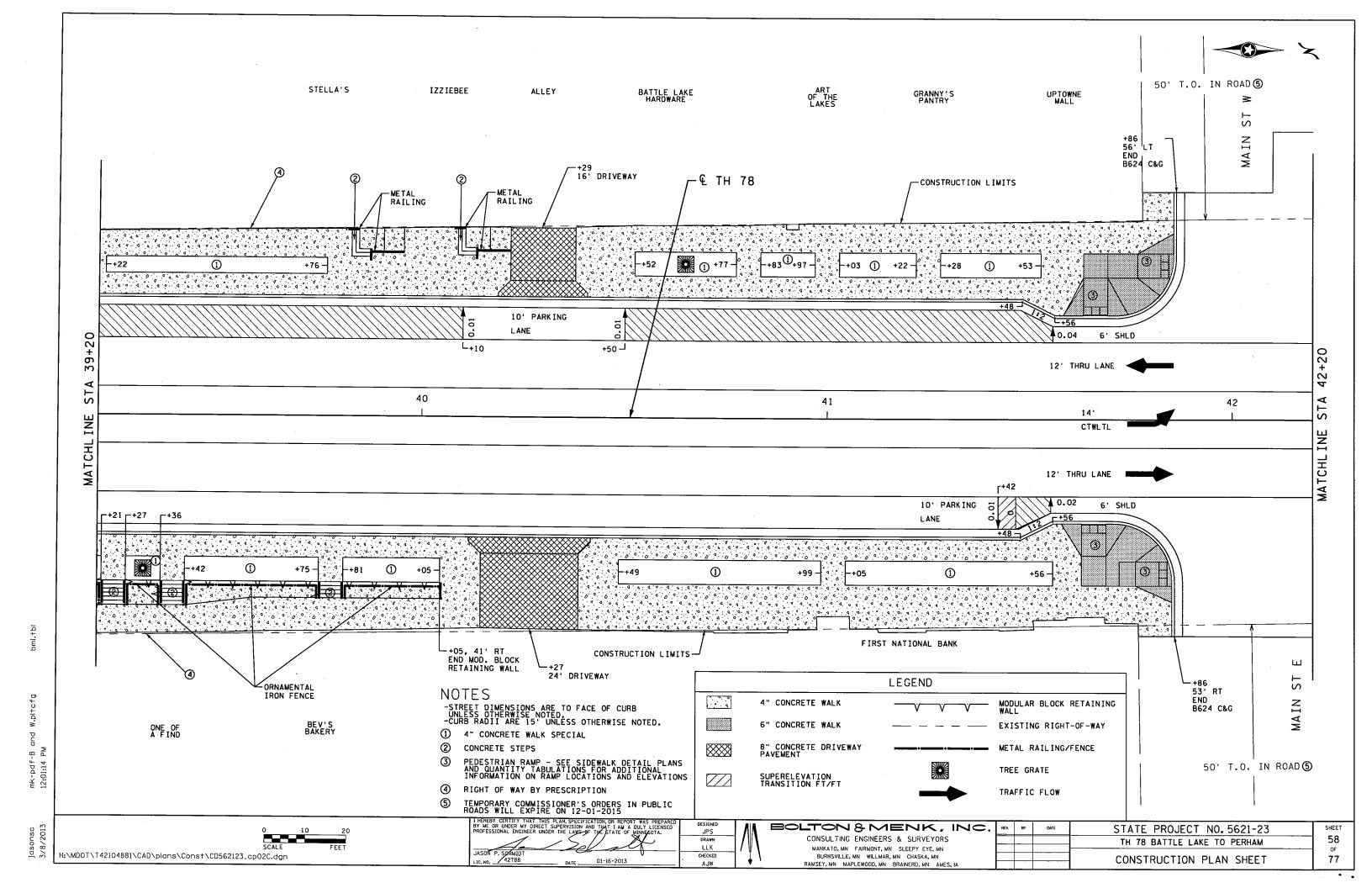


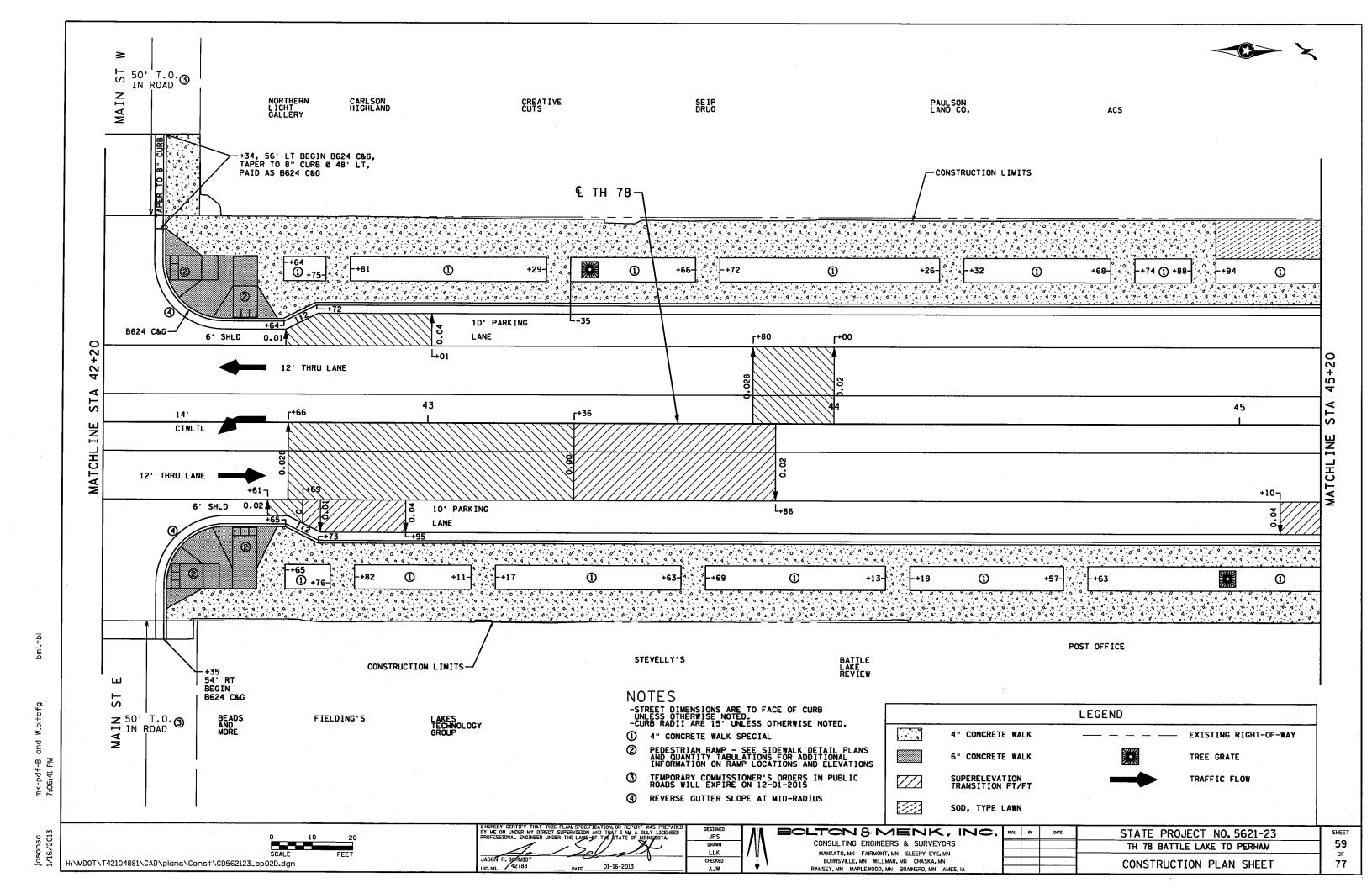


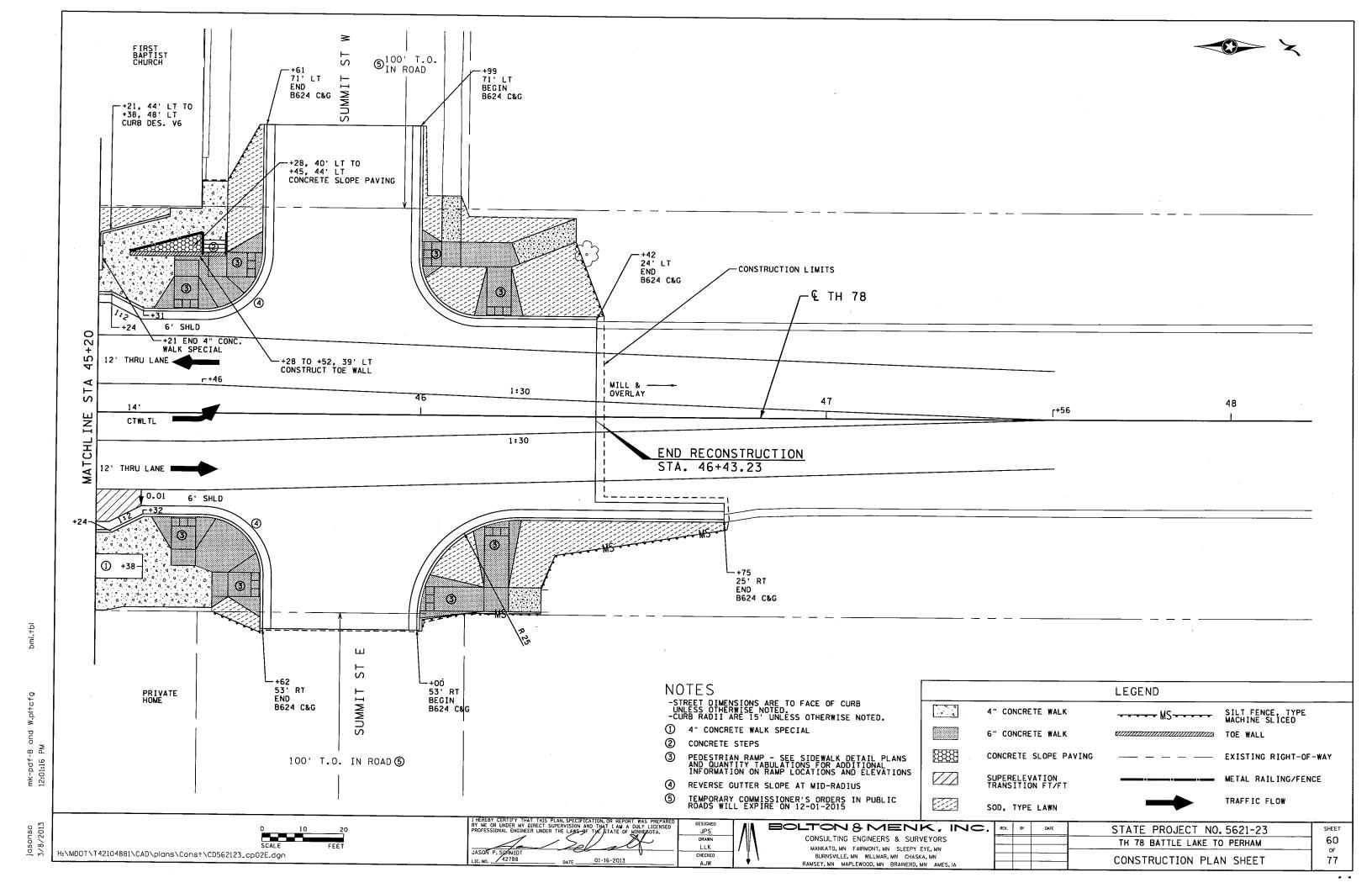


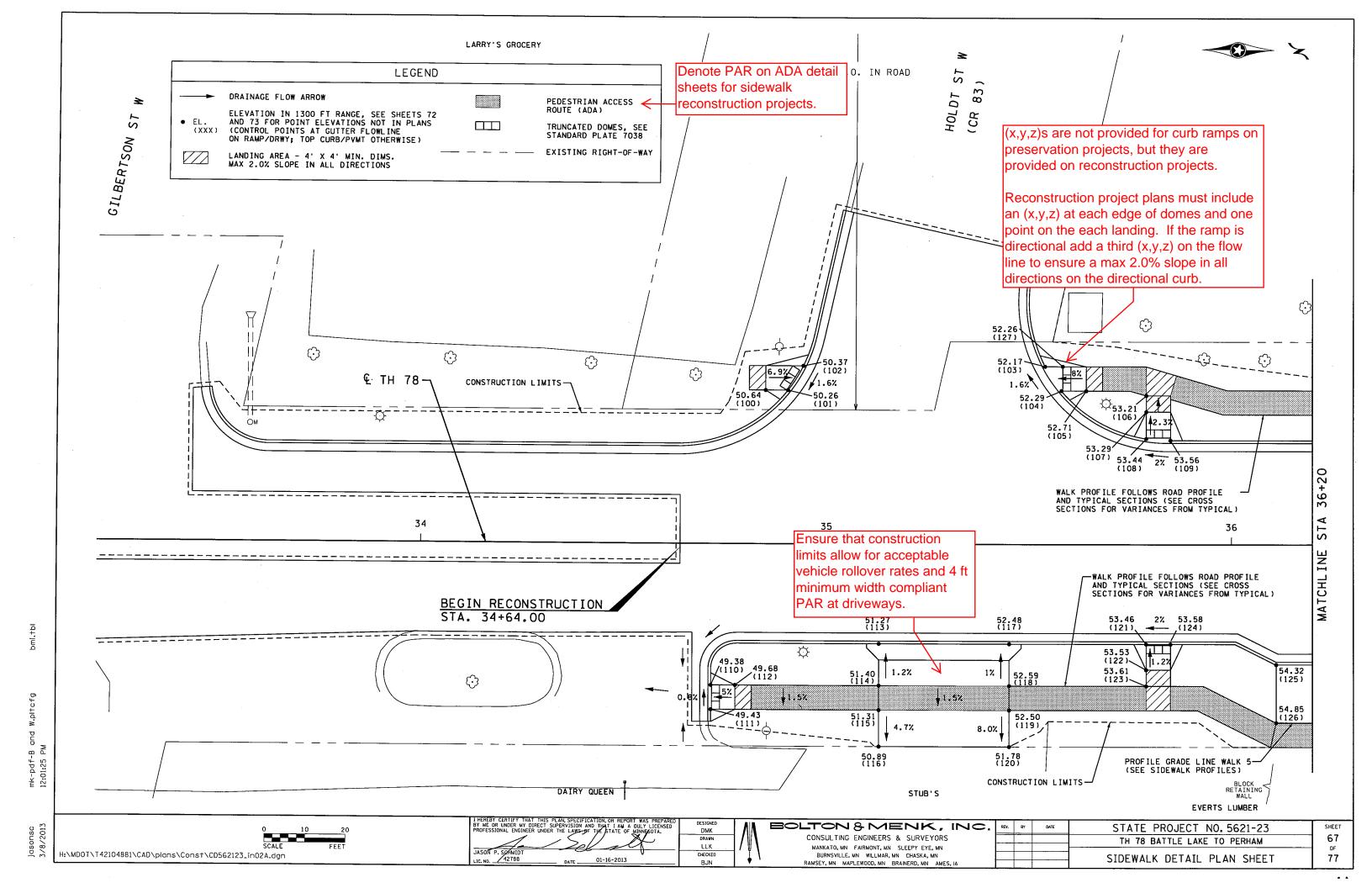


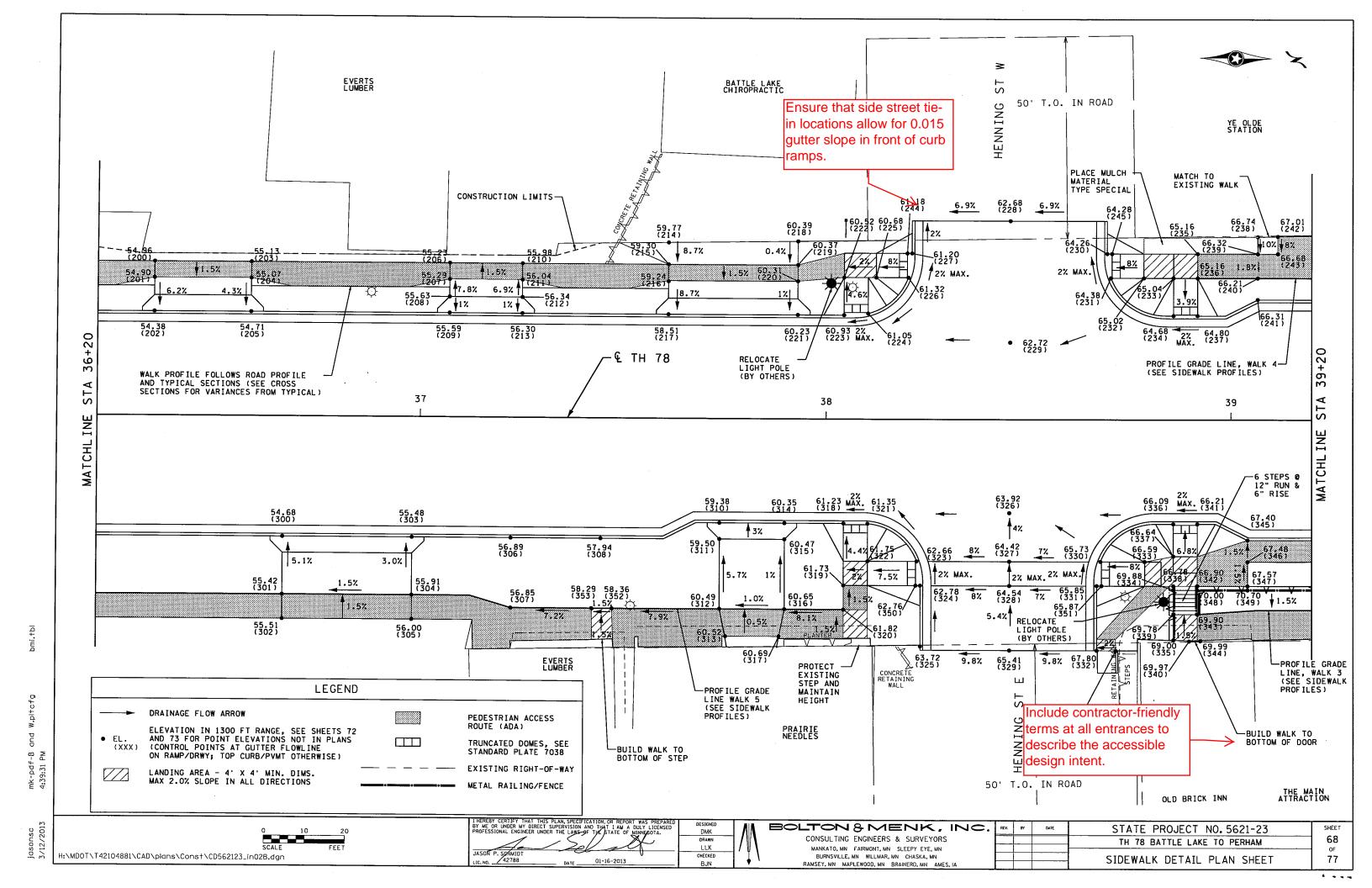


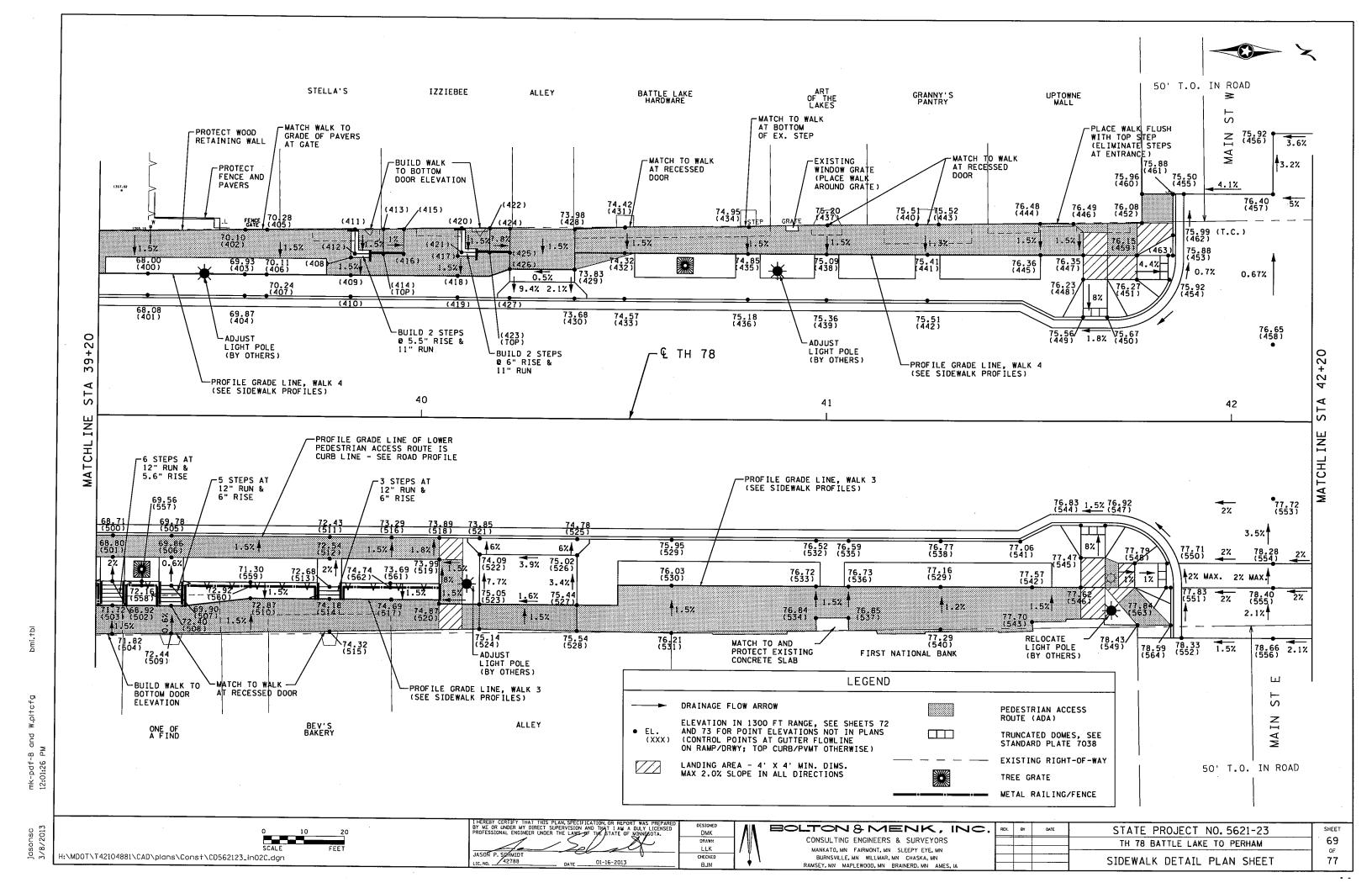


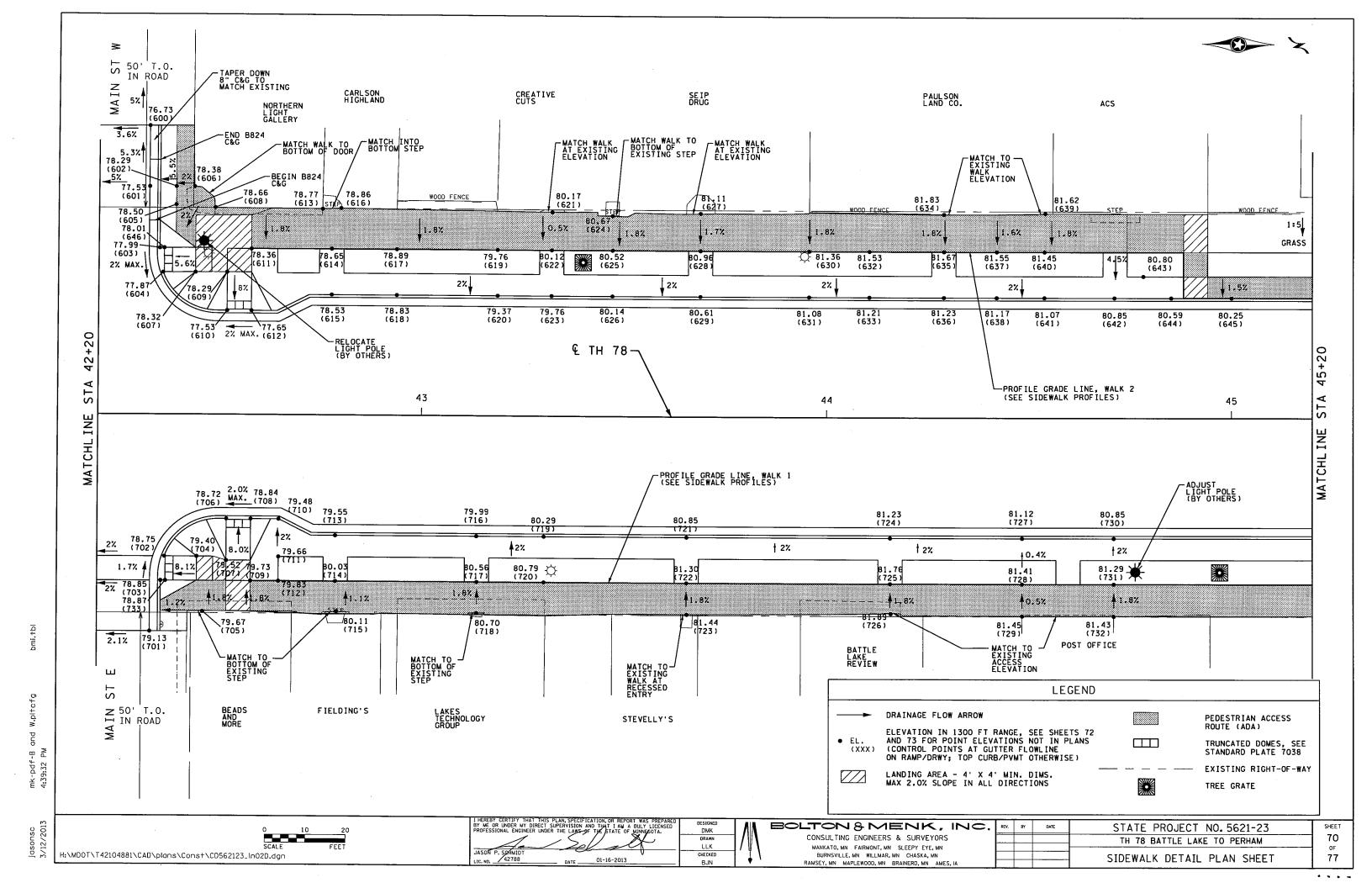


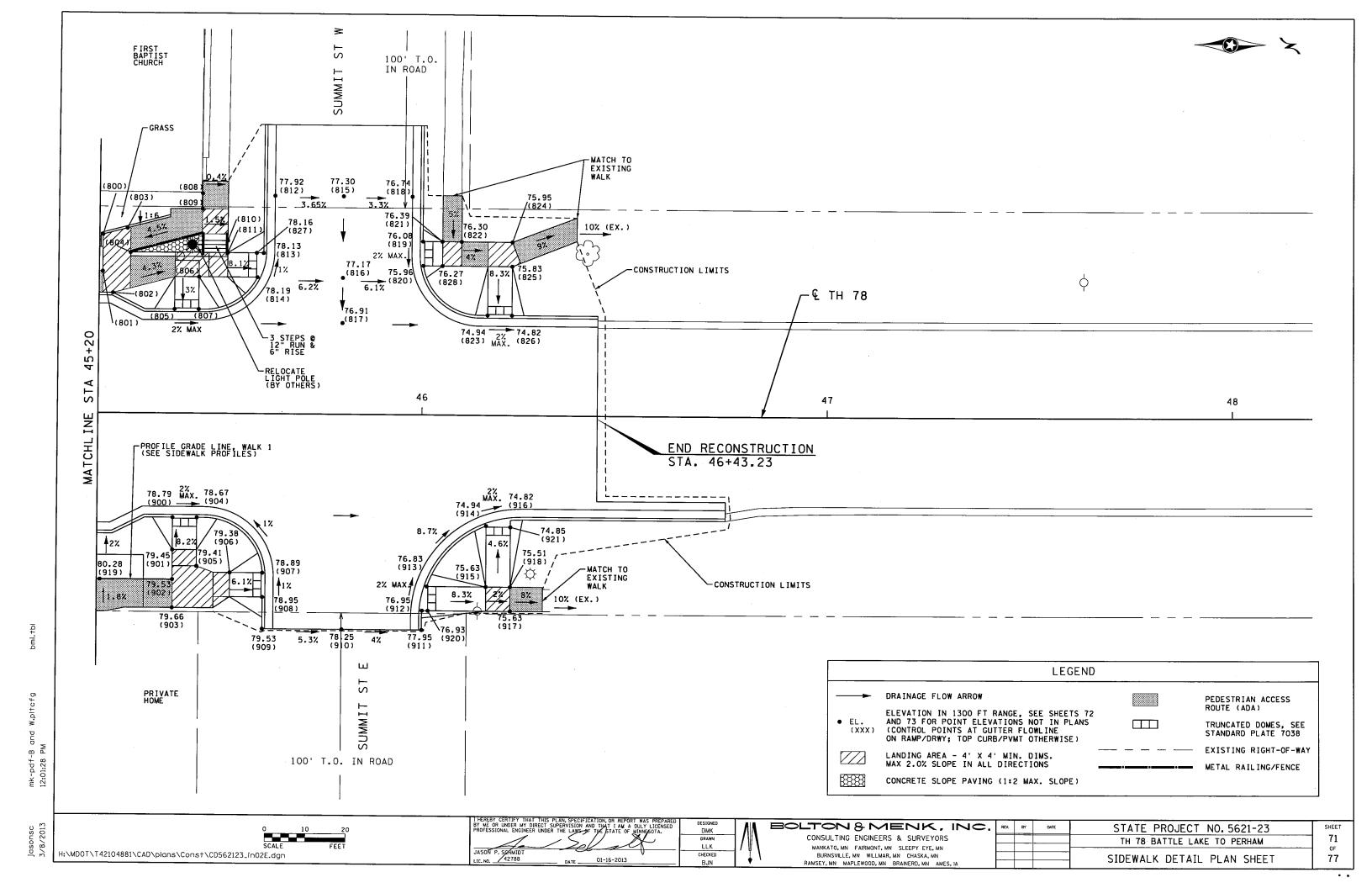












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CONTROL				
POINT NO	STATION	OFFSET	LT/RT	ELEVATION
100	34+84.97	37.86	LT	
101	34+90.45	37.86	LT	
102	34+94.21	43.86	LT	
103	35+53.96	43.86	LT	
104	35+58.02	37.86	LT	
105	35+64.18	37.86	LT	
106	35+78.89	36.72	LT	
107	35+78,89	32.72	LT	
108	35+78.89	26.09	LT	
109	35+85.89	25.67	LT	
110	34+71.71	35.00	RT	
111	34+71.71	41.00	RT	
112	34+77.71	35.00	RT	
113	35+13.08	24.67	RT	
114	35+13.08	35.00	RT	
115	35+13.08	41.00	RT	
116	35+13.08	50,00	RT	
117	35+45.08	24.67	RT	
118	35+45.08	35.00	RT	
119	35+45.08	41.00	RT	
120	35+45.08	50.00	RT	
121	35+78.89	24.67	RT	
122	35+78.90	31.00	RT	
123	35+78.91	35.00	RT	
124	35+84.89	24.67	RT	
125	36+11.06	29.67	RT	
126	36+11.06	44.00	RT	

CONTROL	<del>                                     </del>	<del></del>	T	
POINT NO	STATION	OFFSET	LT/RT	ELEVATION
200	36+34.00	38.00	LT	
201	36+34.00	34.00	LT	
202	36+34.00	25.67	LT	
203	36+58.00	38.00	LT	
204	36+58.00	34.00	LT	
205	36+58.00	25.67	LT	
206	37+07.00	38.00	LΤ	
207	37+07.00	34.00	LT	
208	37+07.00	29.67	LT	
209	37+07.00	25.67	LT	
210	37+25.00	38.00	LT	
211	37+25.00	34.00	LT	
212	37+25.00	29.67	LT	
213	37+25.00	25.67	LT	-
214	37+61.00	43.40	LT	
215	37+61.00	38.00	LT	
216	37+61.00	34.00	LT	
217	37+61.00	25.66	LT	
218	37+93.00	43.85	LT	
219	37+93.00	38.00	LT	
220	37+93.00	34.00	LT	
221	37+93.00	25.66	LT	
222	38+04.33	35.00	LT	
223	38+04.33	25.67	LT	
224	38+10.33	26.08	LT	
225	38+12.33	35.00	LΤ	
226	38+20.33	35.00	LT	
227	38+21.23	41.00	LT	
228	38+45.34	49.06	LŤ	
229	38+45.34	19.00	LT	
230	38+69.46	41.00	LT	
231	38+70.36	35.00	LĪ	
232	38+78.36	35.00	LT	
233	38+85.65	35.00	LT	
234	38+85.65	25.67	LT	
235	38+91.65	41.00	LT	
236	38+91.65	35.00	LT	-
237	38+91.65	25.67	LΤ	
238	39+06.63	45.18	LT	
239	39+06.65	41.00	LT	
240	39+06.64	35.00	LT	
241	39+06.63	29.67	LΤ	
242	39+11.63	45.28	LT	
243	39+11.63	41.00	LT	
244	38+20.06	41.00	LT	
245	38+70.62	41.00	LT	

CONTROL			1	
POINT NO	STATION	OFFSET	LT/RT	ELEVATION
י טותי אט	3141104	UFF SE	''''	CLEVALIUM
300	36+66.08	29.67	RT	
301	36+66.08	44.00	RT	
302	36+66.08	50.00	RT	
303	36+98.08	29,67	RT	
304	36+98.08	44.00	RT	
305	36+98.08	50.00	RT	
306	37+22.38	29.67	RT	
307	37+22.38	47.00	RT	
308	37+44.58	29.67	RT	
309	37+44.58	47,00	RT	
310	37+73.93	25.66	RT	
311	37+73.93	29.67	RT	
312	37+73.93	47.00	RT	
313	37+75.45	53.73	RT	
314			RT	
315	37+89.93 37+89.93	25.66	RT	
316	37+89.93	29.67		
317		47.00	RT	
	37+88.58	53.73	RT	
318	38+04.33	25.67	RT	
319	38+04.33	41.00	RT	·-
320	38+04.33	47.00	RT	
321	38+10.33	25.72	RT	
322	38+10.33	35.00	RT	
323	38+22.57	35.00	RT	
324	38+23.47	41.00	RT	
325	38+23.47	56.15	RT	
326	38+45.23	23.00	RT	
327	38+45.23	35.00	RT	
328	38+45.23	41.00	RT	
329	38+45.23	57.00	RT	
330	38+67.88	35.00	RT	
331	38+66.98	41.00	RT	
332	38+66.98	57.00	RT	
333	38+78.65	35.00	RT	
334	38+85.65	42.00	RT	
335	38+85.65	54.36	RT	
336	38+85.65	25.67	RT	
337	38+85.65	33.67	RT	
338	38+85.65	41.00	RT	
339	38+85.65	48.00	RT	
340	38+89.58	54.68	RT	
341	38+91.65	25.67	RT	
342	38+91.65	41.00	RT	
343	38+91.65	48.00	RT	-
344	38+92.40	54.60	RT	
345	39+05.16	29.67	RT	
346	39+05.16	35.00	RT	
347	39+05.16	41.00	RT	
348	38+91.65	42.00	RT	
349	39+05.16	42.00	RT	
350	38+22.31	41.00	RT	***
351	38+68.15	41.00	RT	
352	37+47.38	47.00	RT	
353	37+42.38	47.00	RT	

CONTROL POINT NO	STATION	OFFSET	LT/RT	ELEVATION
				22211111011
400 401	39+32.17 39+32.17	35.00	LT	
402	39+56.17	29.67 45.95	LT LT	
403	39+56.17	35.00	LT	
404	39+56.17	29.67	LT	
405	39+61.53	46.05	ĻĪ	
406	39+61.53	35.00	LT	
407	39+61.53	29.67	LT	
408	39+82.36	39.37	LT	71.70
409	39+82.36	35.00	LT	71.63
410	39+82.36	29.67	LΤ	71.58
411	39+83.28	46.28	LT	72.71
412	39+83.28	40.28	LT	72.62
413	39+90.28	46.38	LT	72.71
414	39+90.28	40.28	LT	72.62
415	39+95.28	46.48	LT	72.66
416	39+95.28	40.28	LT	72.57
417	40+08.67	39.91	LT	73.17
418	40+08.67	35.00	LT	73.10
419	40+08.67	29.67	LT	73.01
420 421	40+09.59	46.77 40.82	LT LT	74.26 74.17
421	40+09.59 40+16.59	46.83	LT	74.29
423	40+16.59	40.82	LT	74.20
424	40+21.63	46.75	LT	73.90
425	40+21.63	40.82	LT	73.81
426	40+21.63	36.82	LT	73.75
427	40+21.63	29.66	LT	73.08
428	40+37.63	45.75	LT	72720
429	40+37.63	36.82	LT	
430	40+37.63	29.66	LT	
431	40+49.98	47.32	LT	
432	40+49.92	41.00	LT	
433	40+49.92	29.67	LT	
434	40+80.63	47.63	LT	
435	40+80.44	41.00	LT	
436	40+80.44	29.67	LT	
437	41+00.05	48.16	LT	
438	40+99.88	41.00	LT	
439	40+99.88	29.67	LT 	
440 441	41+22.15	48.41	LT	
442	41+24.81	41.00	LT	
443	41+27.50	29.67 48.47	LT	
444	41+52.58	48.71	LT	
445	41+52.69	41.00	LT	
446	41+60.81	48.74	LT	18.0
447	41+63.27	41.00	LT	
448	41+63.27	35.00	LT	
449	41+63.27	25.67	LT	
450	41+69.27	25.67	LT	
451	41+76.56	35.00	LT	
452	41+77.75	49.00	LT	
453	41+85.46	41.00	LT	
454	41+84.56	35.00	LT	
455	41+88.13	56.15	LT	
456	42+10.13	71.14	LT	
457	42+10.13	56.14	LT	
458	42+10.13	19.00	LT	
459	41+76.56	41.00	LT	
460	41+77.75	56.15	LT	
461	41+85.46	56.15	LT	
462 463	41+85.46 41+84.29	46.00 46.00	LT LT	75.89
LOJ	71.04.23	1 70.00	1	10.03

NOTE: ELEVATIONS PROVIDED IN TABLE WHEN SPACE NOT ADEQUATE IN PLAN VIEW.

OME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED  OFFICE STORE OF MINISTER UNDER THE LAWS OF THE STATE OF MINISTOTA.	DESIGNED DMK
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CONSULTING ENGINEERS & SURVEYORS

MANKATO, MN FAIRMONT, MN SLEEPY EYE, MN

BURNSVILEE, MN WILLMAR, MN CHASKA, MN

RAMSEY, MN MAPLEWOOD, MN BRAINERD, MN AMES, IA

٧.	87	DATE	STATE PROJECT NO. 5621-23
			TH 78 BATTLE LAKE TO PERHAM
		-	SIDEWALK POINT ELEVATIONS

72 0F 77

500 39+24.12 29.67 RT 501 39+24.12 35.00 RT 502 39+24.12 41.00 RT 503 39+24.12 41.00 RT 504 39+24.12 54.06 RT 505 39+38.73 29.67 RT 506 39+38.73 35.00 RT 507 39+38.73 42.00 RT 508 39+38.73 47.00 RT 509 39+38.73 47.00 RT 509 39+38.73 47.00 RT 510 39+58.25 45.00 RT 511 39+77.78 29.67 RT 512 39+77.78 29.67 RT 513 39+77.78 42.00 RT 514 39+77.78 42.00 RT 515 39+77.78 42.00 RT 516 39+92.98 45.00 RT	ELEVATION
501         39+24.12         35.00         RT           502         39+24.12         41.00         RT           503         39+24.12         47.00         RT           504         39+24.12         54.06         RT           505         39+38.73         29.67         RT           506         39+38.73         35.00         RT           507         39+38.73         42.00         RT           508         39+38.78         53.83         RT           509         39+38.78         53.83         RT           510         39+58.25         45.00         RT           511         39+77.78         29.67         RT           512         39+77.78         35.00         RT           513         39+77.78         42.00         RT           514         39+77.78         45.00         RT           515         39+77.83         53.03         RT           516         39+92.98         29.67         RT           517         39+92.98         45.00         RT	
501         39+24.12         35.00         RT           502         39+24.12         41.00         RT           503         39+24.12         47.00         RT           504         39+24.12         54.06         RT           505         39+38.73         29.67         RT           506         39+38.73         35.00         RT           507         39+38.73         42.00         RT           508         39+38.78         53.83         RT           510         39+58.25         45.00         RT           511         39+77.78         29.67         RT           512         39+77.78         35.00         RT           513         39+77.78         42.00         RT           514         39+77.78         45.00         RT           515         39+77.83         53.03         RT           516         39+92.98         29.67         RT           517         39+92.98         45.00         RT	
502         39+24.12         41.00         RT           503         39+24.12         47.00         RT           504         39+24.12         54.06         RT           505         39+38.73         29.67         RT           506         39+38.73         35.00         RT           507         39+38.73         42.00         RT           508         39+38.78         53.83         RT           510         39+58.25         45.00         RT           511         39+77.78         29.67         RT           512         39+77.78         35.00         RT           513         39+77.78         42.00         RT           514         39+77.78         45.00         RT           515         39+77.83         53.03         RT           516         39+92.98         29.67         RT           517         39+92.98         45.00         RT	
503         39+24.12         47.00         RT           504         39+24.12         54.06         RT           505         39+38.73         29.67         RT           506         39+38.73         35.00         RT           507         39+38.73         42.00         RT           508         39+38.73         47.00         RT           509         39+38.78         53.83         RT           510         39+58.25         45.00         RT           511         39+77.78         29.67         RT           512         39+77.78         35.00         RT           513         39+77.78         42.00         RT           514         39+77.78         45.00         RT           515         39+77.83         53.03         RT           516         39+92.98         29.67         RT           517         39+92.98         45.00         RT	
504         39+24.12         54.06         RT           505         39+38.73         29.67         RT           506         39+38.73         35.00         RT           507         39+38.73         42.00         RT           508         39+38.73         47.00         RT           509         39+38.78         53.83         RT           510         39+58.25         45.00         RT           511         39+77.78         29.67         RT           512         39+77.78         35.00         RT           513         39+77.78         42.00         RT           514         39+77.78         45.00         RT           515         39+77.83         53.03         RT           516         39+92.98         29.67         RT           517         39+92.98         45.00         RT	
505         39+38.73         29.67         RT           506         39+38.73         35.00         RT           507         39+38.73         42.00         RT           508         39+38.73         47.00         RT           509         39+38.78         53.83         RT           510         39+58.25         45.00         RT           511         39+77.78         29.67         RT           512         39+77.78         35.00         RT           513         39+77.78         42.00         RT           514         39+77.78         45.00         RT           515         39+77.83         53.03         RT           516         39+92.98         29.67         RT           517         39+92.98         45.00         RT	
506         39+38.73         35.00         RT           507         39+38.73         42.00         RT           508         39+38.73         47.00         RT           509         39+38.78         53.83         RT           510         39+58.25         45.00         RT           511         39+77.78         29.67         RT           512         39+77.78         35.00         RT           513         39+77.78         42.00         RT           514         39+77.78         45.00         RT           515         39+77.83         53.03         RT           516         39+92.98         29.67         RT           517         39+92.98         45.00         RT	
507         39+38.73         42.00         RT           508         39+38.73         47.00         RT           509         39+38.78         53.83         RT           510         39+58.25         45.00         RT           511         39+77.78         29.67         RT           512         39+77.78         35.00         RT           513         39+77.78         42.00         RT           514         39+77.78         45.00         RT           515         39+77.83         53.03         RT           516         39+92.98         29.67         RT           517         39+92.98         45.00         RT	
508         39+38.73         47.00         RT           509         39+38.78         53.83         RT           510         39+58.25         45.00         RT           511         39+77.78         29.67         RT           512         39+77.78         35.00         RT           513         39+77.78         42.00         RT           514         39+77.78         45.00         RT           515         39+77.83         53.03         RT           516         39+92.98         29.67         RT           517         39+92.98         45.00         RT	
509         39+38.78         53.83         RT           510         39+58.25         45.00         RT           511         39+77.78         29.67         RT           512         39+77.78         35.00         RT           513         39+77.78         42.00         RT           514         39+77.78         45.00         RT           515         39+77.83         53.03         RT           516         39+92.98         29.67         RT           517         39+92.98         45.00         RT	
510         39+58.25         45.00         RT           511         39+77.78         29.67         RT           512         39+77.78         35.00         RT           513         39+77.78         42.00         RT           514         39+77.78         45.00         RT           515         39+77.83         53.03         RT           516         39+92.98         29.67         RT           517         39+92.98         45.00         RT	
511         39+77.78         29.67         RT           512         39+77.78         35.00         RT           513         39+77.78         42.00         RT           514         39+77.78         45.00         RT           515         39+77.83         53.03         RT           516         39+92.98         29.67         RT           517         39+92.98         45.00         RT	
512     39+77.78     35.00     RT       513     39+77.78     42.00     RT       514     39+77.78     45.00     RT       515     39+77.83     53.03     RT       516     39+92.98     29.67     RT       517     39+92.98     45.00     RT	
513         39+77.78         42.00         RT           514         39+77.78         45.00         RT           515         39+77.83         53.03         RT           516         39+92.98         29.67         RT           517         39+92.98         45.00         RT	
514     39+77.78     45.00     RT       515     39+77.83     53.03     RT       516     39+92.98     29.67     RT       517     39+92.98     45.00     RT	
515 39+77.83 53.03 RT 516 39+92.98 29.67 RT 517 39+92.98 45.00 RT	
516 39+92.98 29.67 RT 517 39+92.98 45.00 RT	
517 39+92.98 45.00 RT	
517 39+92.98 45.00 RT	
518   40+04.71   29.67   RT	
519 40+04.71 35.00 RT	
521 40+14.71 29.66 RT	
522 40+14.71 33.67 RT	
523 40+14.71 46.00 RT	
524 40+14.71 52.12 RT	
525 40+38.71 29.66 RT	
526 40+38.71 33.67 RT	
527 40+38.71 46.00 RT	
528 40+38.71 52.41 RT	
529 40+61.96 29.67 RT	
530 40+61.96 41.00 RT	
531 40+61.96 52.70 RT	
532 40+97.57 29.67 RT	
2000	
535 41+05.64 29.67 RT	
536 41+05.64 41.00 RT	
537 41+05.64 48.75 RT	
538 41+28.26 29.67 RT	
539 41+28.26 41.00 RT	
540 41+28.26 51.50 RT	
541 41+47.88 29.67 RT	
542 41+50.85 41.00 RT	
543 41+50.85 49.57 RT	
544 41+62.86 25.67 RT	
545 41+62.86 33.67 RT	
546 41+62.86 41.00 RT	
550 41+84.15 35.00 RT	
551 41+85.05 41.00 RT	
552 41+87.72 53.47 RT	
553 42+10.47 19.00 RT	
554 41+10.50 35.05 RT	
555 42+10.52 41.05 RT	
556 42+10.54 53.56 RT	
557 39+31.38 41.00 RT	
558 39+31.38 42.00 RT	
559 39+58.22 41.00 RT	
560 39+58.22 42.00 RT	
563 41+83.89 41.00 RT	
564 41+85.05 50.33 RT	

CONTROL	<del></del>		,	
CONTROL POINT NO	STATION	OFFSET	LT/RT	ELEVATION
600	42+32.41	71.23	LT	
601	42+32.45	56.23	LT	
602	42+39.08	56.24	LT	
603	42+35.08	41.09	LT	
604	42+35.94	35.10	LT	
605	42+39.08	51.78	LT	
606	42+43.61	56.25	LT	
607	42+43.94	35.13	LT	
608	42+48.71	51.09	LT	
609	42+51.76	35.16	LT	
610	42+51.79	25.67	LT	
611	42+57.73	40.94	LT	
612	42+57.79	25.67	LT	
613	42+75.37	50.87	LT	· · · · · · · · · · · · · · · · · · ·
614	42+77.67	41.04	LT	
615	42+77.71	29.71	LT	-
616	42+79.89	51.08	LT	
617	42+93.69	41.00	LT	
618	42+93.73	29.67	LT	
619	43+18.54	41.00	LT	
620	43+18.59	29.67	17	
621	43+32.08	50.37	LT	
622	43+31.98	41.00	LT	·
623	43+31.98	29.67	LT	
624	43+46.99	49.52	LT	
625	43+47.03	41.00		
626	43+47,03	29.67	LT LT	
627	43+68.74			
628	43+68.78	50.21	LT	
629	43+68.78	41.00	LT	
630	43+95.58	29.67	LŢ	
631	43+95.58	41.00	LĪ	
632	44+10.52	29.67	LT	
633	44+10.52	41.00	LT	
634	44+28.84	29.67	LT	
635	44+28.85	50.22	LT	
636		41.00	LT	
637	44+28.85	29.67	LT	
638	44+41.86	41.00	LT	
639	44+41.86	29.67	LT	
640	44+53.86	50.47	LT	
641	44+53.73	41.00	LT	
642	44+53.73	29.67	LT	
	44+70.97	29.67	LT	
643	44+78,10	35.00	LT	
644	44+85.00	29.67	_LT	
645	45+00.00	29.67	LT	· · · · · · · · · · · · · · · · · · ·
646	42+36.18	41.10	LT	

CONTROL POINT NO	STATION	OFFSET	LT/RT	ELEVATION
		5521	2177(1	LLLTATION
701	42+33.14	53.56	RT	
702	42+36.71	35.00	RT	
703	42+35.81	41.00	RT	
704	42+44.71	35.00	RT	
705	42+46.22	48.63	RT	
706	42+52.00	25.67	RT	
707	42+52.00	36.00	RT	
708	42+58.00	25.67	Rĭ	
709	42+58.00	41.00	RT	
710	42+64.98	25.67	RT	
711	42+64.98	35.00	RT	
712	42+64.98	41.00	RT	
713	42+78.98	29.67	RT	
714	42+79.04	41.00	RT	
715	42+79.31	48.50	RT	
716	43+13.71	29.67	RT	
717	43+13.78	41.00	RT	
718	43+13.75	48.71	RT	
719	43+30.39	29.67	RT	
720	43+30.39	41.00	RT	
721	43+65.55	29.67	RT	
722	43+65.55	41.00	RT	-
723	43+65.64	48.78	RT	
724	44+15.83	29.67	RT	
725	44+15.83	41.00	RT .	
726	44+15.98	48.41	RT	
727	44+48.28	29.67	RT	
728	44+48.28	41.00	RT	
729	44+48.29	48.91	RT	
730	44+70.93	29.67	RT	<del></del>
731	44+70.93	41.00	RT	
- 732	44+70.92	48.97	RT	-
733	42+36.97	41.00	RT	

CONTROL				
POINT NO	STATION	OFFSET	LT/RT	ELEVATION
800	45+20.83	44.09	LT	79.50
801	45+20.83	35.00	LT	79.61
802	45+23.39	29.67	Lĭ	79.49
803	45+26.83	45.65	LT	79.50
804	45+27.65	39.67	LT	79.49
805	45+38.75	25.67	LT	78.67
806	45+44.75	33.67	LT	78.79
807	45+44.75	25.67	LT	78.55
808	45+45.47	54.31	LT	80.51
809	45+45.43	50.50	LT	80.38
810	45+51.74	42.67	LT	80.25
811	45+51.74	39.67	LT	78.75
812	45+63.24	53.83	LT	
813	45+60.56	39.67	LT	
814	45+59.09	33.67	LT	
815	45+80.23	53.83	LT	
816	45+80,23	33.67	LT	
817	45+80.23	22.50	LT	
818	45+97.23	53.83	LT	
819	45+99.90	42.80	LT	
820	46+00.07	36.80	LT	
821	46+04.67	42.66	LT	
822	46+11.37	44.35	LT	
823	46+16.01	24.67	LT	
824	46+22.01	42,80	LT	
825	46+22.01	36.80	LT	
826	46+22.01	24.67	LT	
827	45+58.84	39.67	LT	
828	46.04.75	36.80	LT	-

CONTROL			T	
POINT NO	STATION	OFFSET	LT/RT	ELEVATION
900	45+38.75	25.67	RT	
901	45+38.75	33.67	RT	
902	45+38.76	40.97	RT	
903	45+38.75	48.00	RT	
904	45+44.75	25.67	RT	
905	45+44.75	37.67	RT	
906	45+52.92	39.24	RT	
907	45+60.92	39.24	RT	
908	45+60.94	45.24	RT	
909	45+60.94	53.10	RT	
910	45+80.60	53.10	RT	
911	46+00.27	53.09	RT	
912	46+00.33	48.33	RT	
913	46+01.51	42.33	RT	
914	46+16.01	27.24	RT	
915	46+16.01	42.33	RT	
916	46+22.01	25.81	RT	-
917	46+22.01	48.33	RT	
918	46+22.01	42.33	RT	
919	45+20.80	41.00	RT	
920	46+01.79	48.33	RT	
921	46+22.01	27.50	RT	

NOTE: ELEVATIONS PROVIDED IN TABLE WHEN SPACE NOT ADEQUATE IN PLAN VIEW.

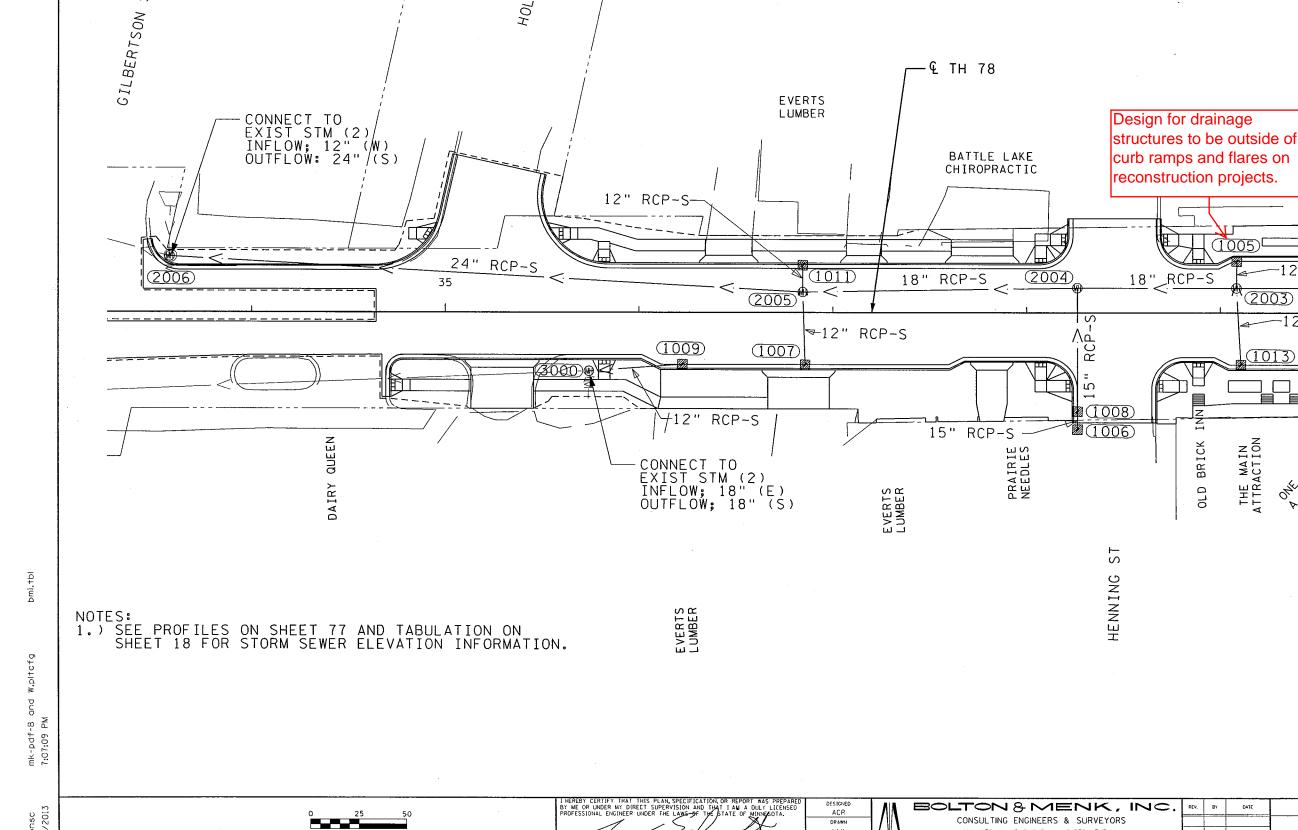
	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNEGOTA.	DESIGNED DMK
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	JASON P. SCHMIDT	CHECKED

SHEET

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HOLDT

LARRY'S GROCE

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STELLA'S

-12" RCP-S

-12" RCP-S

12" RCP-S

(2003)

1013)

THE MAIN ATTRACTION

STATE PROJECT NO. 5621-23 75 of DRAWN LLK TH 78 BATTLE LAKE TO PERHAM MANKATO, MN FAIRMONT, MN SLEEPY EYE, MN BURNSVILLE, MN WILLMAR, MN CHASKA, MN RAMSEY, MN MAPLEWOOD, MN BRAINERD, MN AMES, IA 77 DRAINAGE PLAN SHEET

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