

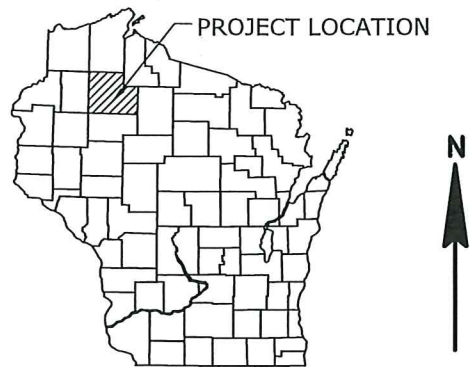
PROJECT ID: 8590-22-60

COUNTY: SAWYER

ORDER OF SHEETS

Section No. 1	Title
Section No. 2	Typical Sections and Details
Section No. 3	Estimate of Quantities
Section No. 3	Miscellaneous Quantities
Section No. 4	Right of Way Plat
Section No. 5	Plan and Profile
Section No. 6	Standard Detail Drawings
Section No. 7	Sign Plates
Section No. 8	Structure Plans
Section No. 9	Computer Earthwork Data
Section No. 9	Cross Sections

TOTAL SHEETS =



DESIGN DESIGNATION

A.A.D.T.	2014	=	1500
A.A.D.T.	2034	=	1900
D.H.V.		=	340
D.D.		=	50%
T.		=	15%
DESIGN SPEED		=	60 MPH
ESALS		=	562,100

CONVENTIONAL SYMBOLS

PLAN	
CORPORATE LIMITS	
PROPERTY LINE	
LOT LINE	
LIMITED HIGHWAY EASEMENT	
EXISTING RIGHT OF WAY	
PROPOSED OR NEW R/W LINE	
SLOPE INTERCEPT	
REFERENCE LINE	
EXISTING CULVERT	
PROPOSED CULVERT (Box or Pipe)	
COMBUSTIBLE FLUIDS	
MARSH AREA	
WOODED OR SHRUB AREA	

PROFILE	
GRADE LINE	
ORIGINAL GROUND	
MARSH OR ROCK PROFILE (To be noted as such)	
SPECIAL DITCH	
GRADE ELEVATION	
CULVERT (Profile View)	
UTILITIES	
ELECTRIC	
FIBER OPTIC	
GAS	
SANITARY SEWER	
STORM SEWER	
TELEPHONE	
WATER	
UTILITY PEDESTAL	
POWER POLE	
TELEPHONE POLE	

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

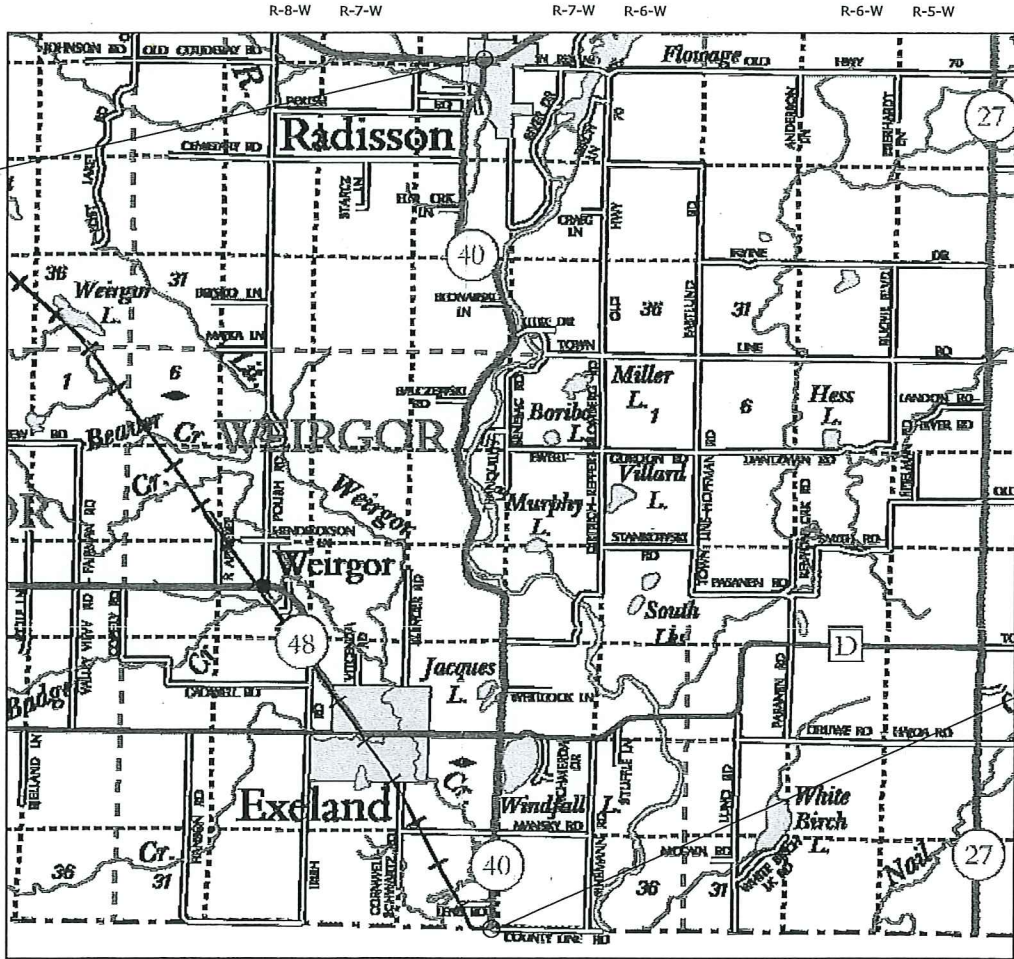
BRUCE - RADISSON

SOUTH COUNTY LINE TO STH 27

STH 40

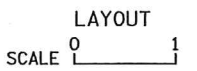
SAWYER COUNTY

STATE PROJECT NUMBER
8590-22-60



END PROJECT
STA 620+65
Y = 348708.44
X = 684320.71

BEGIN PROJECT
STA. 100+00.00
Y = 300821.25
X = 685569.52



TOTAL NET LENGTH OF CENTERLINE = 9.861

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, SAWYER COUNTY, NAD83 (2014), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
8590-22-60		

ACCEPTED FOR

VILLAGE of RADISSON

11/20/15 (Date)

(Signature)

VILLAGE PRES (Title)

PREPARED BY

WISCONSIN PROFESSIONAL ENGINEER

AARON SCHARF E-37704 RICE LAKE WI

COOPER ENGINEERING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	COOPER ENGINEERING
Designer	COOPER ENGINEERING
Project Manager	PHILIP KEPPERS
Regional Examiner	DANIEL OJIBWAY
Regional Supervisor	DAVID OSTROWSKI

APPROVED FOR THE DEPARTMENT

DATE: 11-25-2015 (Signature)

LIST OF STANDARD ABBREVIATIONS

	ABUTMENT	LT.	LEFT
	ACRES	LS	LUMP SUM
	AGGREGATE	MH	MANHOLE
	AHEAD	N	NORTH
	AVERAGE DAILY TRAFFIC	NC	NORMAL CROWN
ABUT		PAVT	PAVEMENT
AC	AVERAGE	PC	POINT OF CURVATURE
AGG	ASPHALTIC	PE	PRIVATE ENTRANCE
AH	BACK	PI	POINT OF INTERSECTION
ADT	BENCHMARK	PL	PROPERTY LINE
	CENTRAL ANGLE OR DELTA	PP	POWER POLE
AVG.	CENTERLINE	PT	POINT OF TANGENCY
ASPH	CURB AND GUTTER	R	RANGE , RADIUS
BK.	CRUSHED AGGREGATE	RCCP	REINFORCED CONCRETE
BM	BASE COURSE		CULVERT PIPE
Δ	CONCRETE	RD	ROAD
℄ , C/L		REBAR	REINFORCEMENT BAR
C & G	CORNER	REQD	REQUIRED
CABC	CORRUGATED	RDWY	ROADWAY
	CORRUGATED STEEL	RHF	RIGHT HAND FORWARD
CONC.	CULVERT PIPE	RL, R/L	REFERENCE LINE
	CORRUGATED STEEL	RR	RAILROAD
COR	PIPE ARCH	RT.	RIGHT
CORR	COUNTY TRUNK HIGHWAY	R/W	RIGHT-OF-WAY
CSCP	CULVERT PIPE	S	SOUTH
	CUBIC YARD	SAN S	SANITARY SEWER
CSPA	HUNDREDWEIGHT	SDD	STANDARD DETAIL DRAWING
	DIAMETER	SE	SUPER ELEVATION
CTH	DEGREE OF CURVE	SF.	SQUARE FEET
CP.	DESIGN HOURLY VOLUME	SHLDR	SHOULDER
CY	DRIVEWAY	SPECS	SPECIFICATIONS
CWT.	EXC. BELOW SUB GRADE	SQ.	SQUARE
BLV., EL	ELEVATION	SS.	STORM SEWER
D	ELECTRIC	SY.	SQUARE YARD
DHV	EXCAVATION	STH	STATE TRUNK HIGHWAY
DWY	EXISTING	ST.	STREET
EBS	EAST	STA.	STATION
	FIELD ENTRANCE	SW	SIDEWALK
ELEC.	FACE TO FACE	T	TANGENT
EXC	FLOW LINE	TC	TOP OF CURB
EXIST	FULL SUPERELEVATION	℄ , T/L	TRANSIT LINE
E	GARAGE	TEL	TELEPHONE
FE	GRID NORTH	TEMP	TEMPORARY
FF.	HOUSE	TLE	TEMPORARY LIMITED EASEMENT
FL, F/L		TYP	TYPICAL
FS		USH	UNITED STATES HIGHWAY
G	HYDRANT	UG	UNDERGROUND
GN	INTERSECTION ANGLE	V	DESIGN SPEED
INTERS	INTERSECTION	VAR.	VARIABLE
	INVERT	VERT	VERTICAL
	IRON PIN OR PIPE	YD	YARD
HYD	LONG CHORD OF CURVE		
I			
	LINEAR FOOT		
INV.	LEFT HAND FORWARD		
IP	LENGTH OF CURVE		
LC			
LF			
LHF			
L			

UTILITY CONTACTS

ELECTRIC

NORTH CENTRAL POWER COMPANY
ATTN.: MIKE HEATH
3661 NORTH CLARK STREET
RADISSON, WI 54867
TEL.: (715) 945-2630

TELEPHONE

CENTURYLINK
ATTN.: BRIAN HUHN
400 W 9TH STREET N., SUITE #5
LADYSMITH, WI 54848
TEL.: (715) 532-0023
EMAIL: BRIAN.HUHN@CENTURYLINK.COM

TELEPHONE

INDIANHEAD TELEPHONE COMPANY
ATTN.: STEPHEN ROBERTSON
N3767 4TH STREET
WEYERHAEUSER, WI
TEL.: (715) 353-2434
EMAIL: itc@indianheadtel.net

SEWER & WATER

VILLAGE OF RADISSON PUBLIC WORKS
10598 W. RAILROAD STREET
P.O. BOX 127
RADISSON, WI 54867
TEL.: (715) 945-2020

TELEVISION

S & K TV SYSTEMS, INC.
ATTN.: DAVID SCOTT
508 MINER AVENUE WEST
LADYSMITH, WI 54848
TEL.: (715) 532-7321
EMAIL: dave@skcable.com

ALL UTILITIES LISTED ARE MEMBERS OF DIGGERS HOTLINE



Dial 811 or (800)242-8511

www.DiggersHotline.com

OTHER CONTACTS

DESIGN CONSULTANT

COOPER ENGINEERING CO. INC.
2600 COLLEGE DRIVE
RICE LAKE, WI. 54868
PHONE (715) 234-7008

DNR NORTHERN REGIONAL HQ

DNR/DOT LIAISON
ATTN.: BILL CLARK
810 W. MAPLE ST.
SPOONER, WI 54801
TEL.: (715) 635-4226
EMAIL: WILLIAMH.CLARK@WISCONSIN.GOV

RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (%)			SLOPE RANGE (%)			SLOPE RANGE (%)			SLOPE RANGE (%)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP- TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE- TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:												
ASPHALT				.70 - .95								
CONCRETE				.80 - .95								
BRICK				.70 - .80								
DRIVES, WALKS				.75 - .85								
ROOFS				.75 - .95								
GRAVEL ROADS, SHOULDERS				.40 - .60								

TOTAL PROJECT AREA = 24 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 24 ACRES

GENERAL NOTES:

SUPER ELEVATIONS SHALL MATCH EXISTING ROADWAY.

NO TREES OR SHRUBS SHALL BE REMOVED UNLESS SUCH TREES OR SHRUBS HAVE BEEN DESIGNATED FOR REMOVAL BY THE ENGINEER.

ACCESS TO ALL RESIDENCES SHALL BE MAINTAINED DURING CONSTRUCTION.

THE LOCATION OF EXISTING UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOW SHOWN.

WHEN THE QUANTITY OF HMA PAVEMENT OR BASE AGGREGATE DENSE IS MEASURED BY THE TON, THE DEPTH OR THICKNESS SHOWN ON THE PLANS IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

AREAS THAT FAIL DURING OR AFTER THE SURFACE MILL SHALL BE REPAIRED BY MEANS OF LEVELLING/WEDGING AND SPOT LANE REPAIR USING THE APPROPRIATE ASPHALTIC SURFACE BID ITEM.

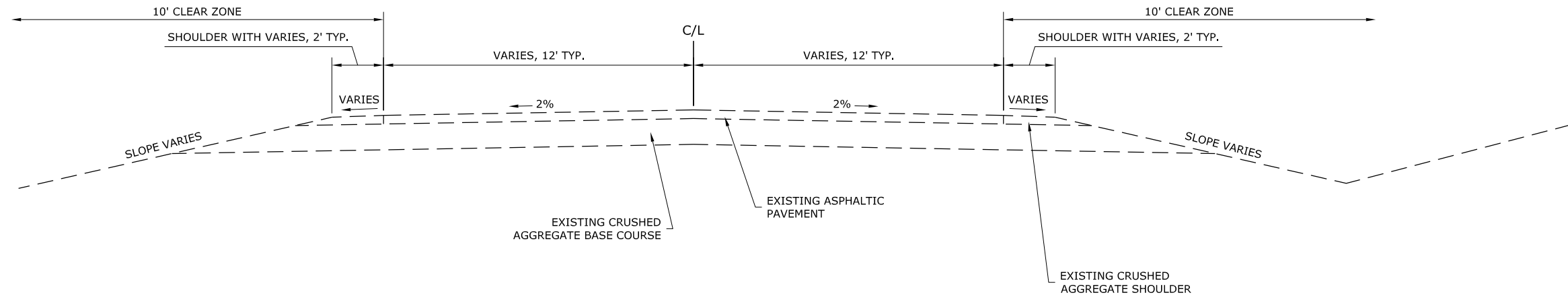
RESTORE SIDEROAD INTERSECTIONS AND PRIVATE ENTRANCES TO EXISTING CONDITIONS UNLESS OTHERWISE SHOWN.

THE EXACT CONSTRUCTION LIMITS OF PRIVATE ENTRANCES SHALL BE COORDINATED WITH THE ENGINEER IN THE FIELD.

PAVEMENT MARKING SHALL MEET MUTCD STANDARDS.

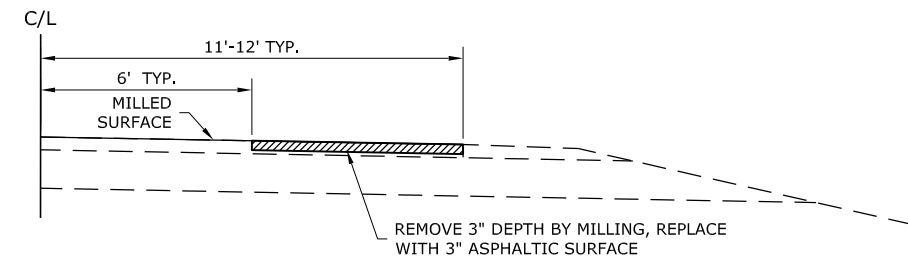
PAVEMENT CORE LOG									
PROJECT: 8590-20-60					ROAD: STH 40				
COUNTY: SAWYER					DISTRICT: BRUCE-RADISSON				
CORE NO.	STATION	OFFSET (FT)	SIDE	CORE DIAMETER (IN)		UNDERLYING MATERIAL	PAVEMENT TYPE	COMMENTS	
1	105+00	5	LT	5.75	4	BASE	ASPHALT	1" BRM	
2	120+00	5	RT	9.00	4	SAND/GRAVEL	ASPHALT	2" BRM	
3	135+00	10	LT	4.75	4	BASE	ASPHALT		
4	150+00	4	RT	8.75	4	BASE	ASPHALT		
5	165+00	7	LT	8.75	4	BASE	ASPHALT	1.5" BRM	
6	180+00	10	RT	7.75	4	BASE	ASPHALT	2.5" BRM	
7	195+00	7	LT	7.00	4	BASE	ASPHALT		
8	210+00	7	RT	8.75	4	BASE	ASPHALT		
9	225+00	10	LT	7.00	4	BASE	ASPHALT	WAS BRM ?"	
10	240+00	6	RT	8.25	4	BASE	ASPHALT	2" BRM	
11	255+00	7	LT	6.75	4	BASE	ASPHALT		
12	270+00	9	RT	8.50	4	BASE	ASPHALT	1" BRM	
13	285+00	4	LT	4.00	4	BASE	ASPHALT	2" BRM	
14	300+00	8	RT	6.00	4	BASE	ASPHALT	1.75" BRM	
15	315+00	9	LT	2.50	4	BASE	ASPHALT	1.5" BRM	
16	330+00	4	RT	5.25	4	BASE	ASPHALT	1.75" BRM	
17	345+00	7	LT	5.25	4	BASE	ASPHALT	1.25" BRM	
18	360+00	9	RT	6.00	4	BASE	ASPHALT	5" BRM	
19	375+00	6	LT	5.75	4	BASE	ASPHALT	4" BRM	
20	390+00	5	RT	7.00	4	BASE	ASPHALT	2" BRM	
21	405+00	9	LT	5.75	4	BASE	ASPHALT		
22	420+00	5	RT	3.00	4	BASE	ASPHALT	1" BRM	
23	435+00	6	LT	3.75	4	BASE	ASPHALT	3.25" BRM	
24	450+00	9	RT	5.00	4	BASE	ASPHALT	6" BRM	
25	465+00	5	LT	6.00	4	BASE	ASPHALT	0.25" BRM	
26	480+00	5	RT	9.25	4	BASE	ASPHALT	1.5" BRM	
27	495+00	10	LT	2.50	4	BASE	ASPHALT	2" BRM	
28	510+00	4	RT	4.75	4	BASE	ASPHALT	4.5" BRM	
29	525+00	5	LT	4.00	4	BASE	ASPHALT	4.75" BRM	
30	540+00	7	RT	6.00	4	BASE	ASPHALT	2.5" BRM	
31	555+00	6	LT	4.50	4	BASE	ASPHALT	4.5" BRM	
32	570+00	4	RT	3.75	4	BASE	ASPHALT	1.5" BRM	
33	585+00	10	LT	7.50	4	BASE	ASPHALT		
34	600+00	6	RT	5.50	4	BASE	ASPHALT		
35	615+00	6	LT	5.00	4	BASE	ASPHALT		

* BRM = BITUMINOUS ROAD MIX - ORGINAL ROAD

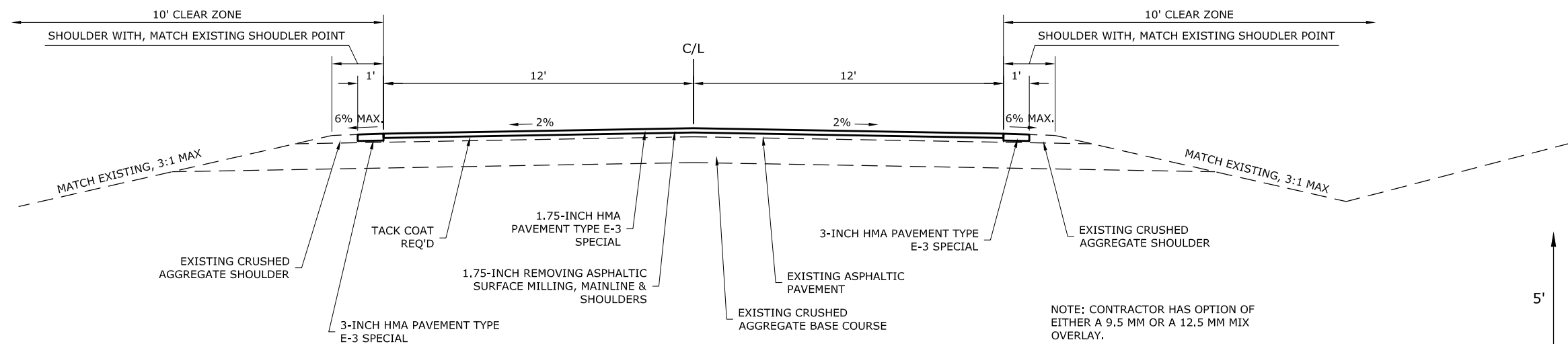


TYPICAL EXISTING SECTION

STA. 100+00.00 TO 271+60

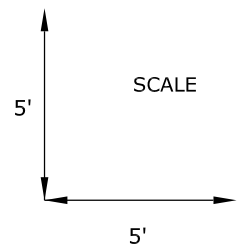


ASPHALTIC SURFACE LANE REPAIR



TYPICAL FINISHED SECTION

STA. 100+00.00 TO 271+60



PROJECT NUMBER: 8590-22-60

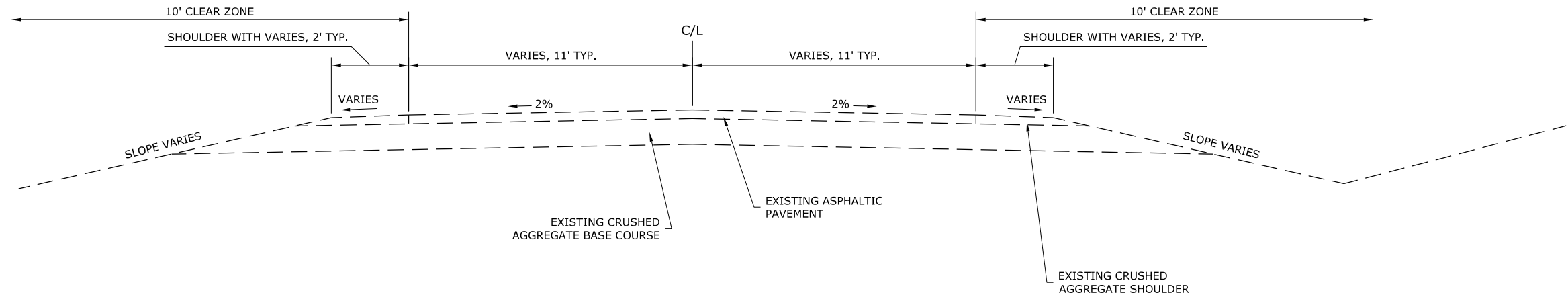
HWY: STH 40

COUNTY: SAWYER

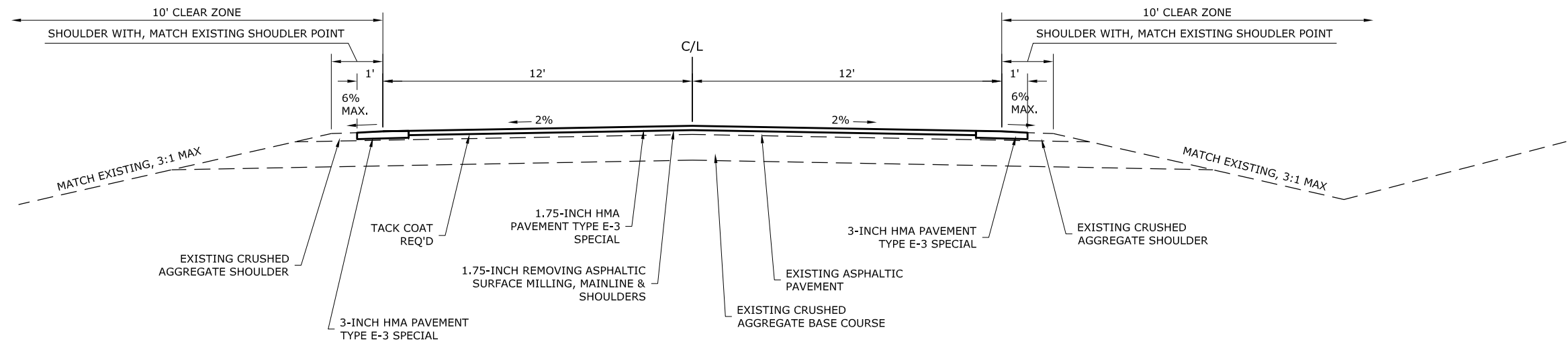
TYPICAL SECTION SHEET

SHEET NO:

E

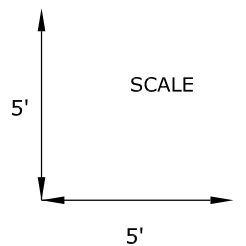


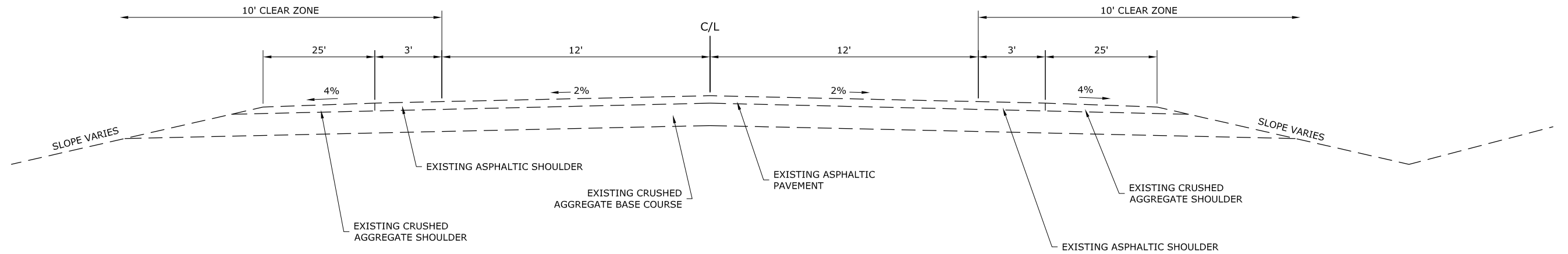
TYPICAL EXISTING SECTION
STA. 271+60 TO 568+00



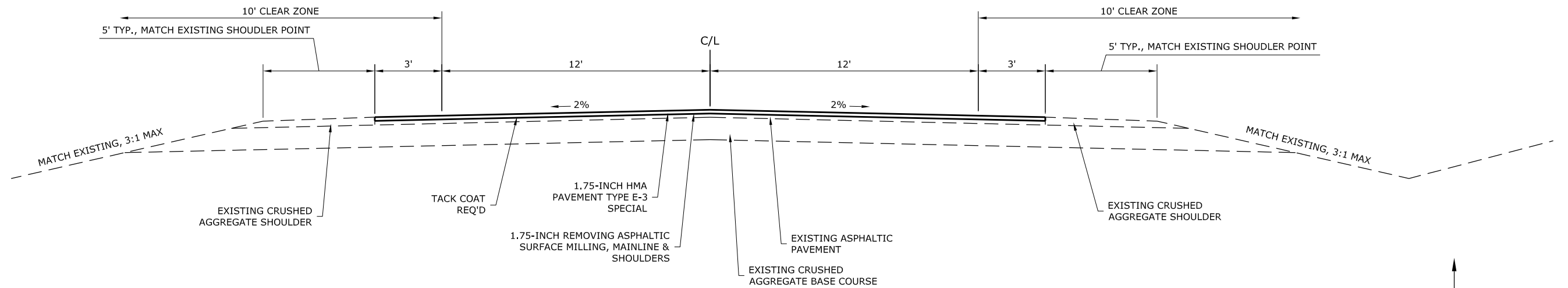
TYPICAL FINISHED SECTION
STA. 271+60 TO 568+00

NOTE: CONTRACTOR HAS OPTION OF
EITHER A 9.5 MM OR A 12.5 MM MIX
OVERLAY.



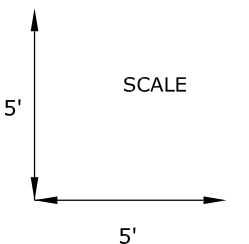


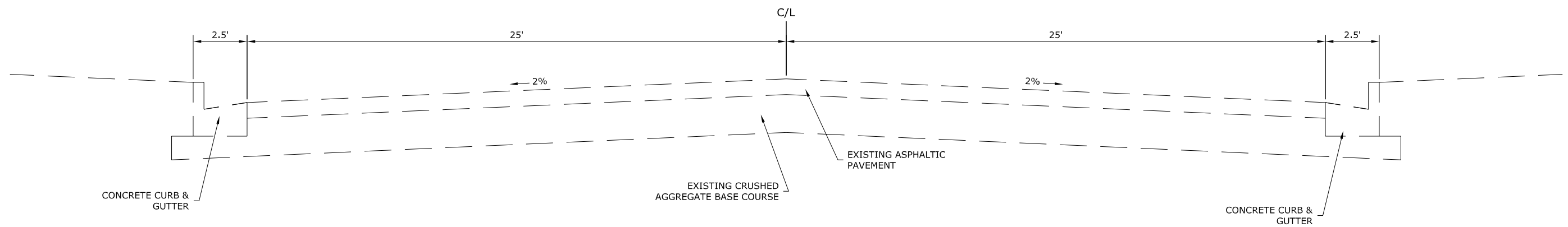
TYPICAL EXISTING SECTION
STA. 568+00 TO 608+00



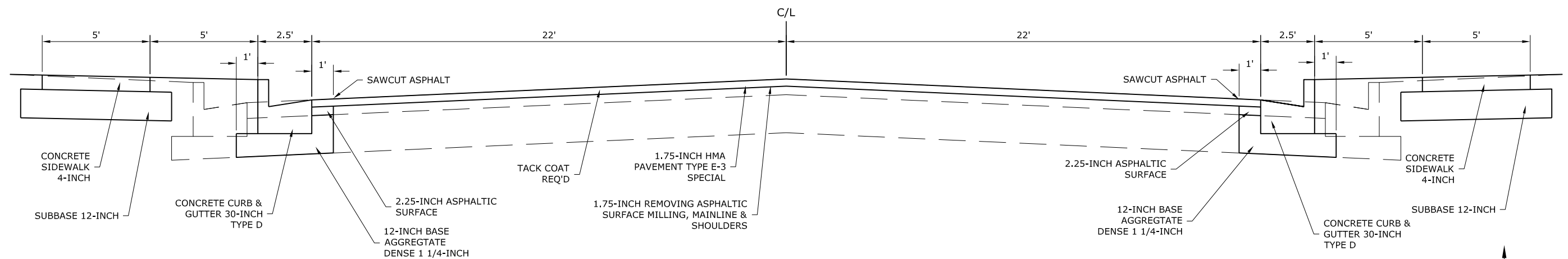
TYPICAL FINISHED SECTION
STA. 568+00 TO 608+00

NOTE: CONTRACTOR HAS OPTION OF
EITHER A 9.5 MM OR A 12.5 MM MIX
OVERLAY.



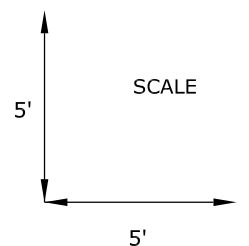


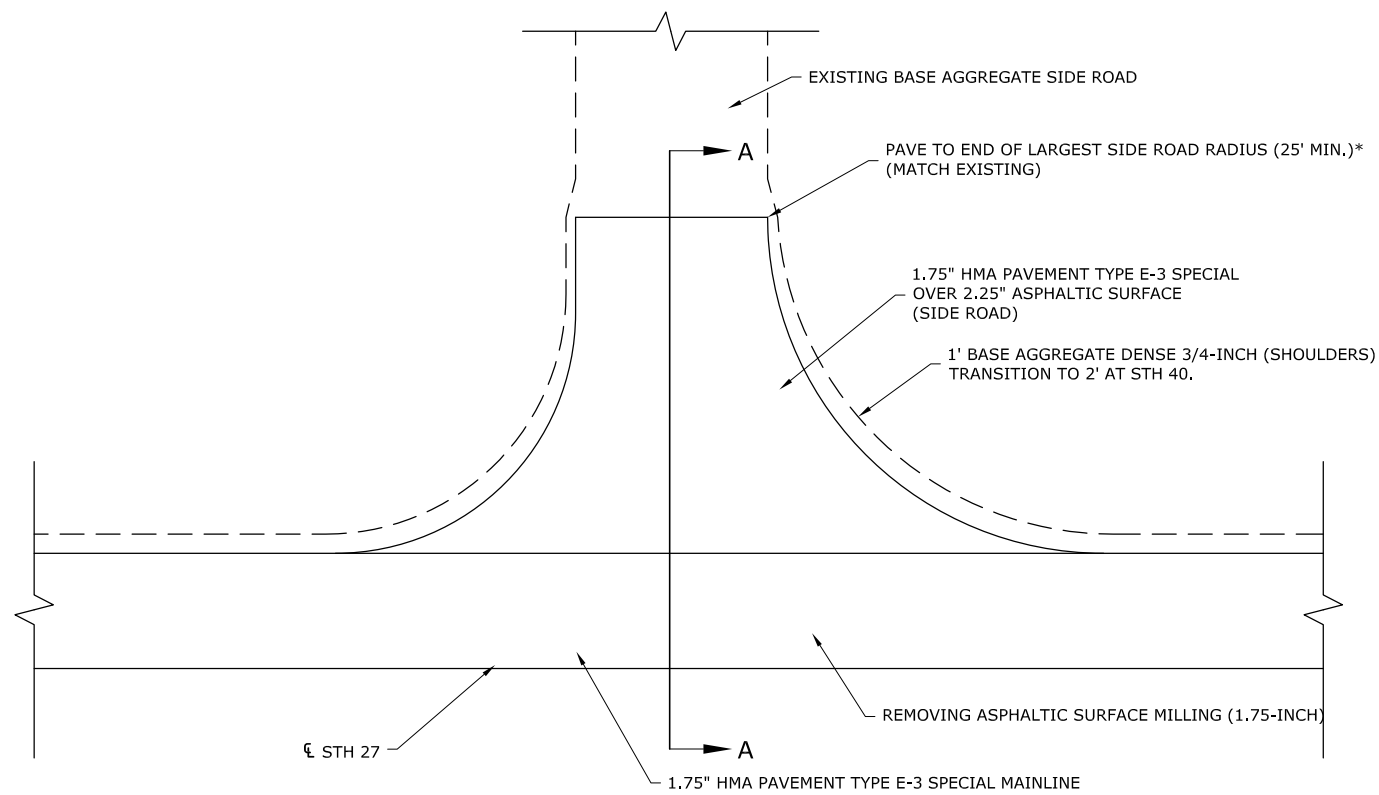
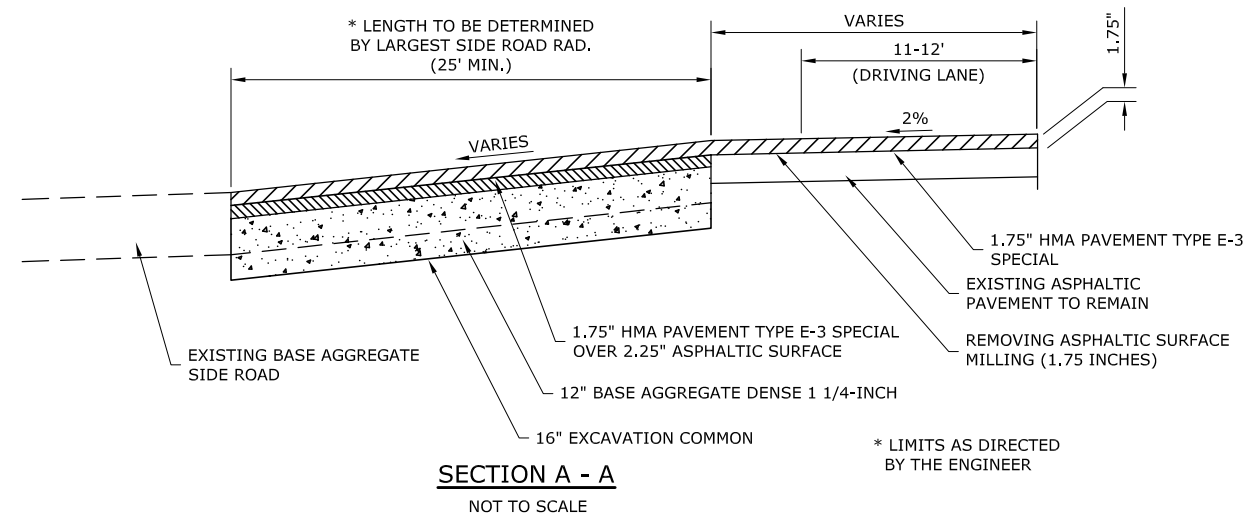
TYPICAL EXISTING SECTION
STA. 608+00 TO 620+71



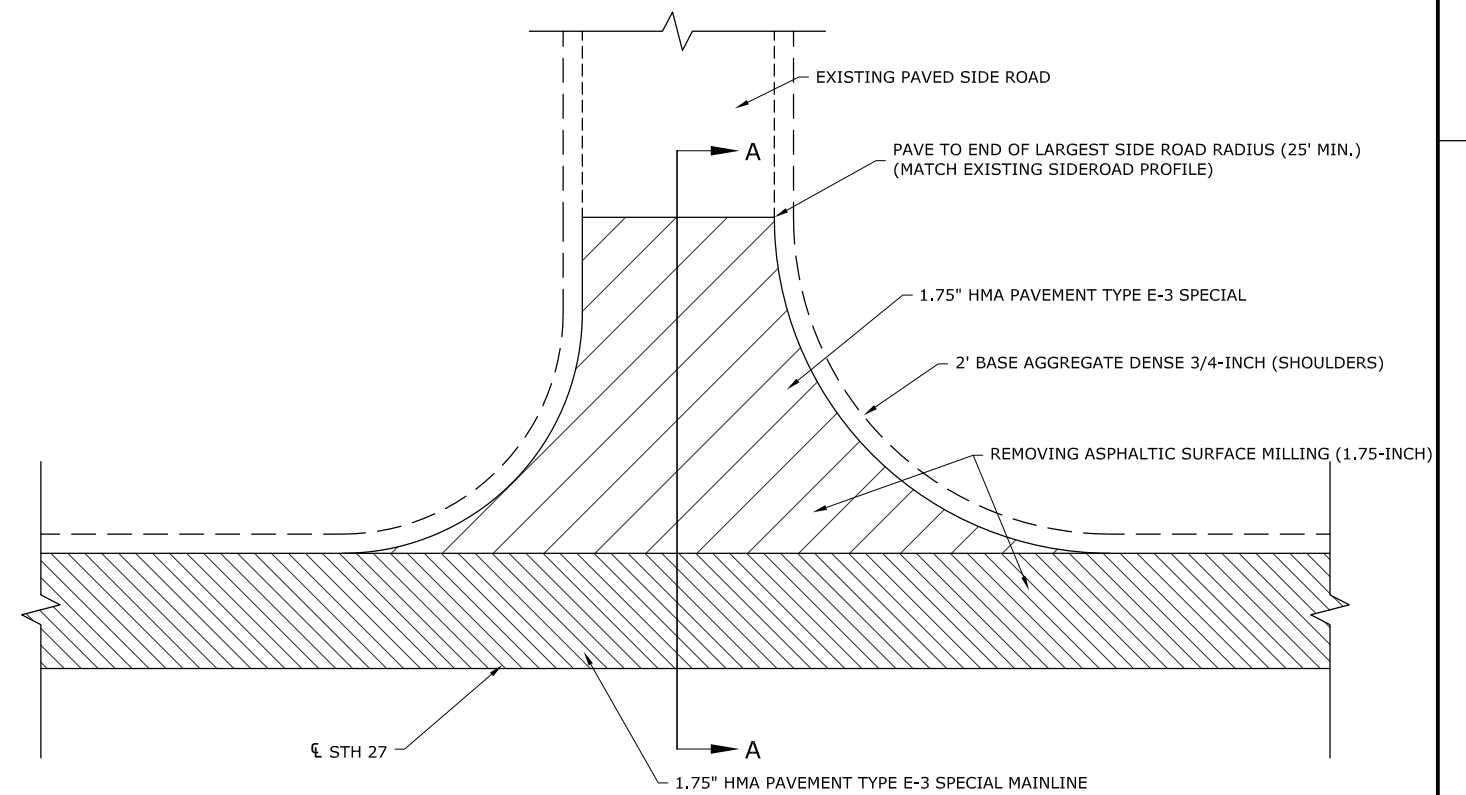
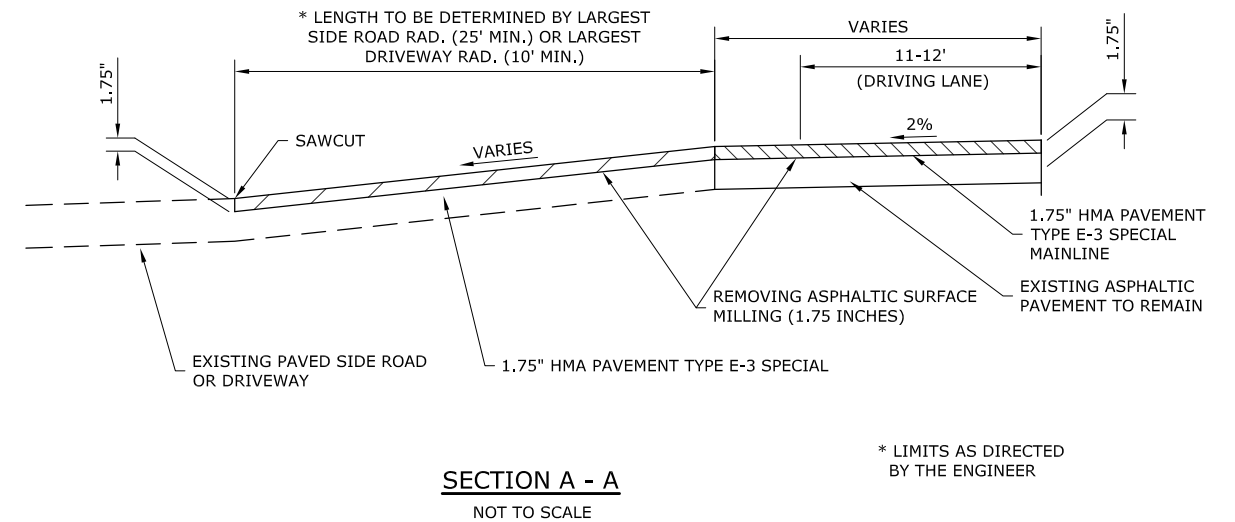
TYPICAL FINISHED SECTION
STA. 608+00 TO 620+71

NOTE: CONTRACTOR HAS OPTION OF
EITHER A 9.5 MM OR A 12.5 MM MIX
OVERLAY.

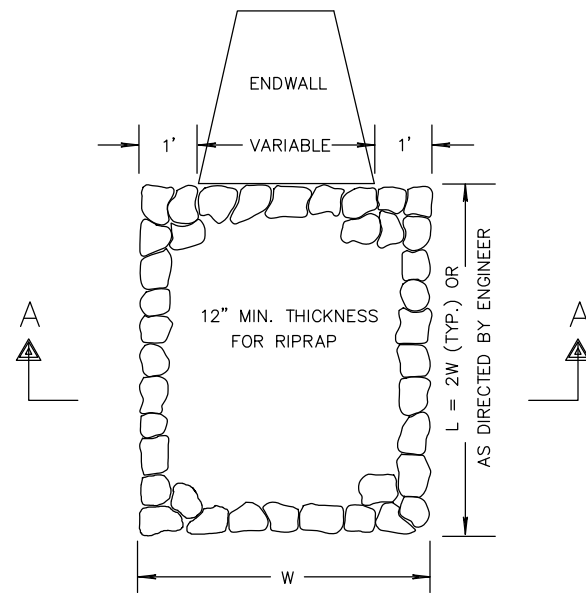
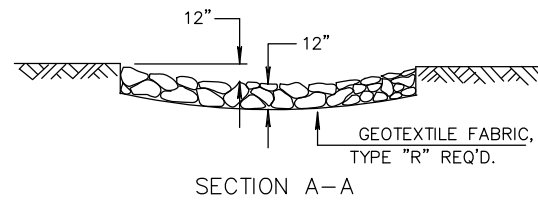




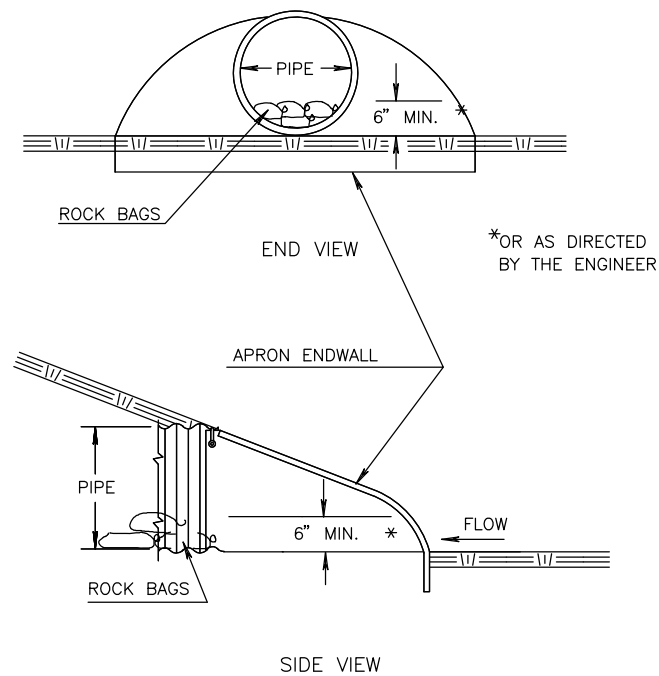
NOTE: TRANSITION SHOULDER SLOPE TO MATCH SIDE ROAD PROFILE PRIOR TO INTERSECTION



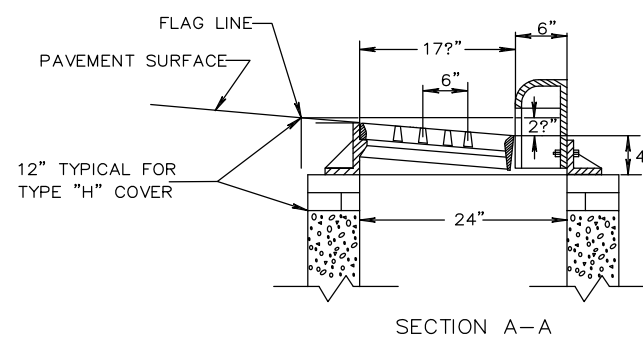
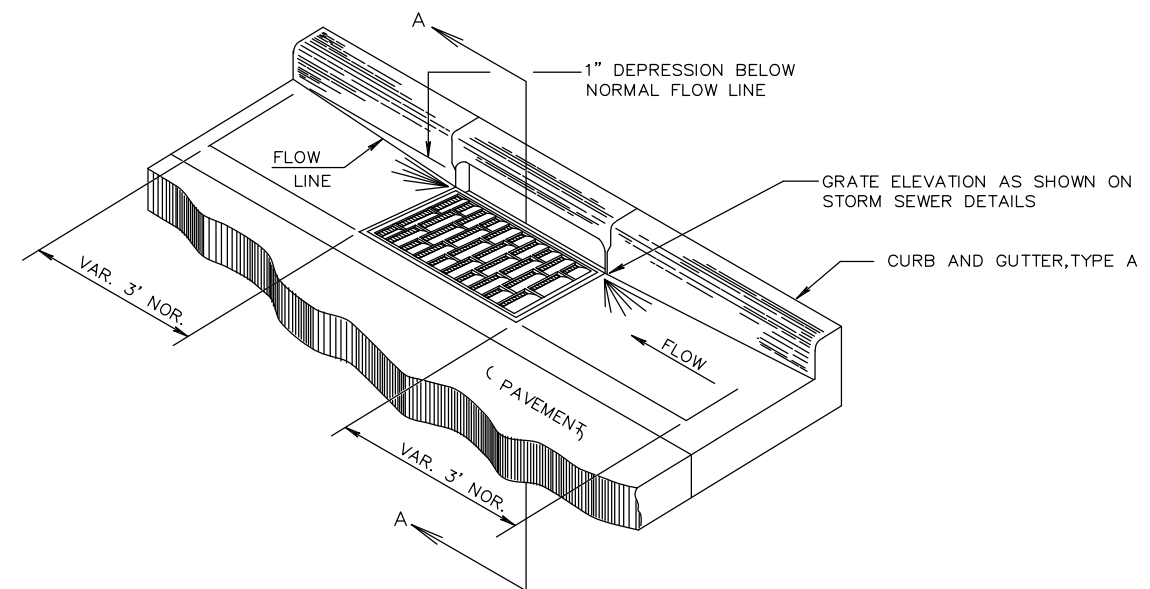
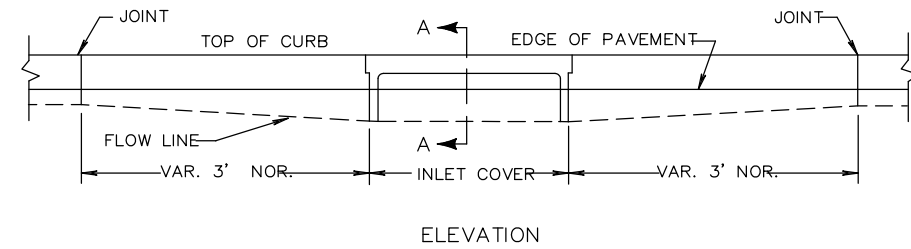
NOTE: TRANSITION SHOULDER SLOPE TO MATCH SIDE ROAD PROFILE PRIOR TO INTERSECTION



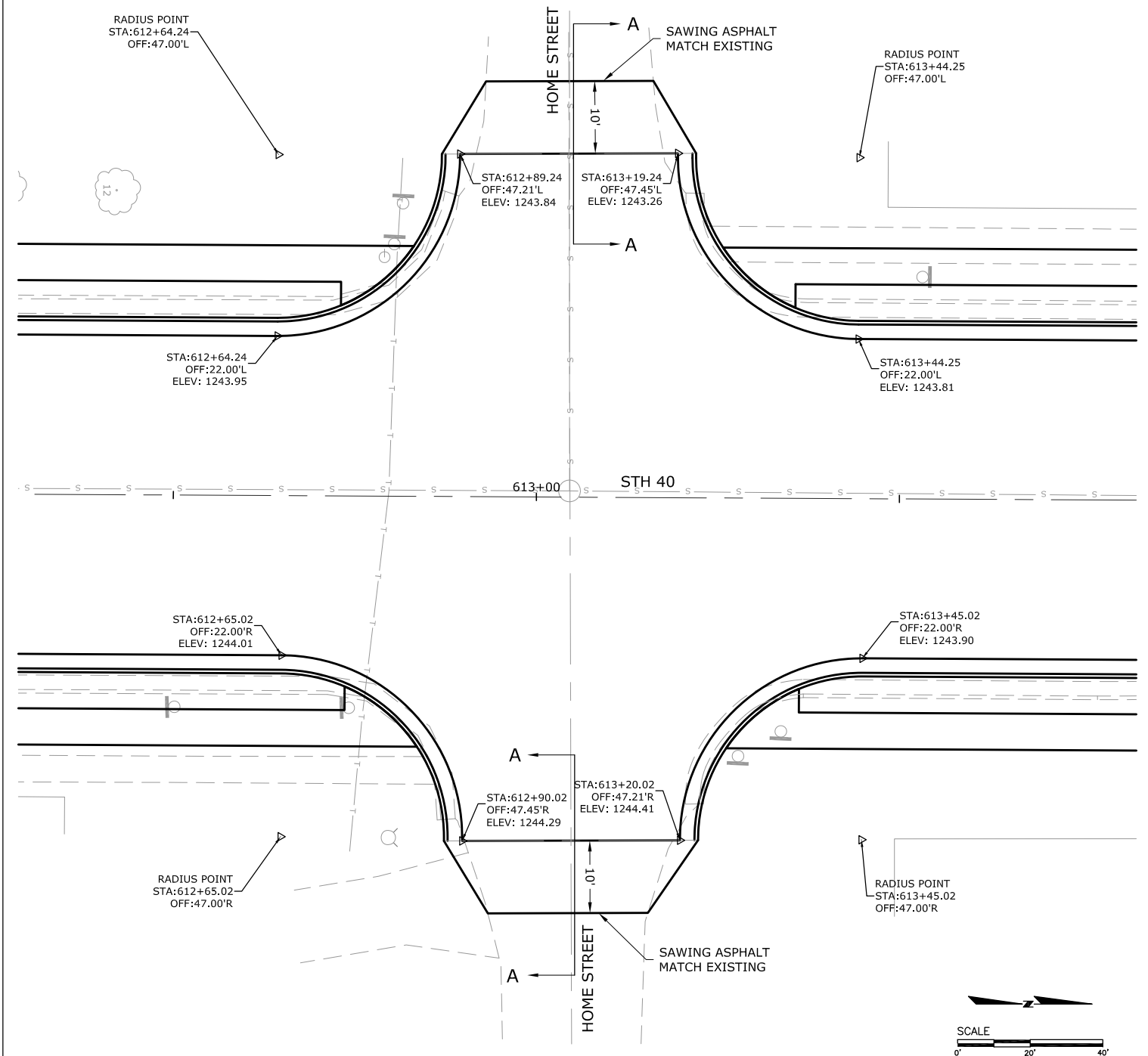
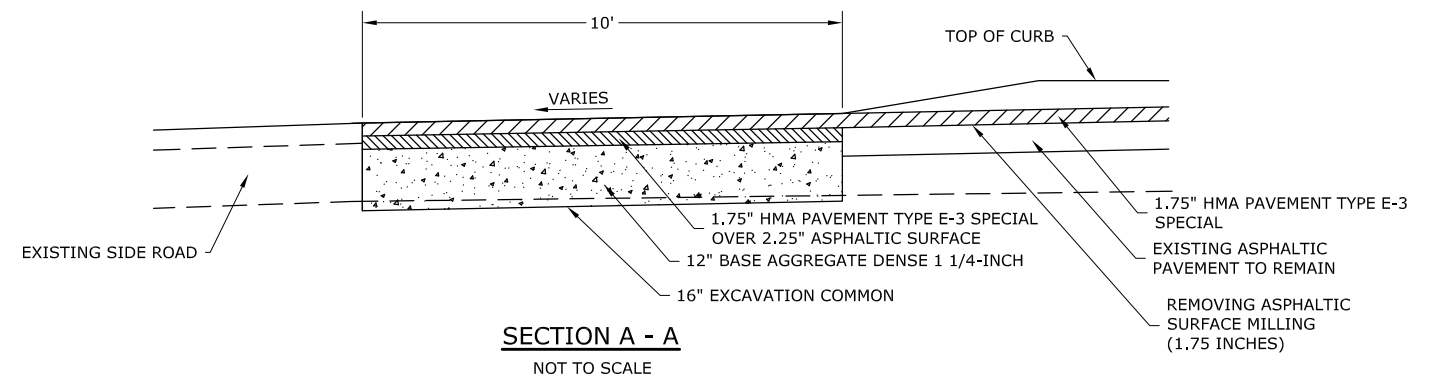
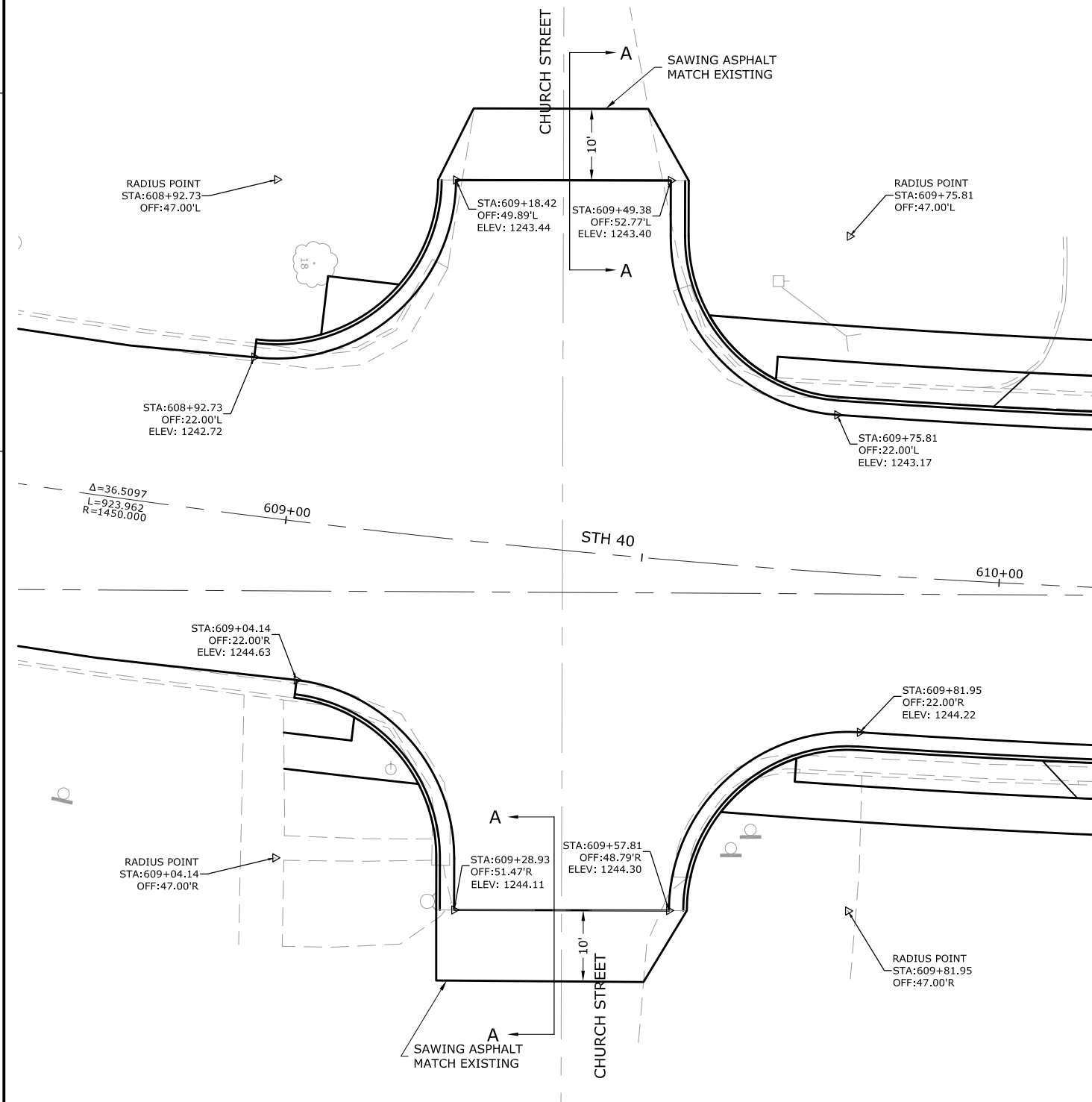
RIPRAP TREATMENT AT CULVERTS



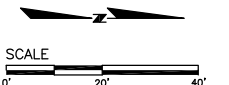
CULVERT PIPE CHECK

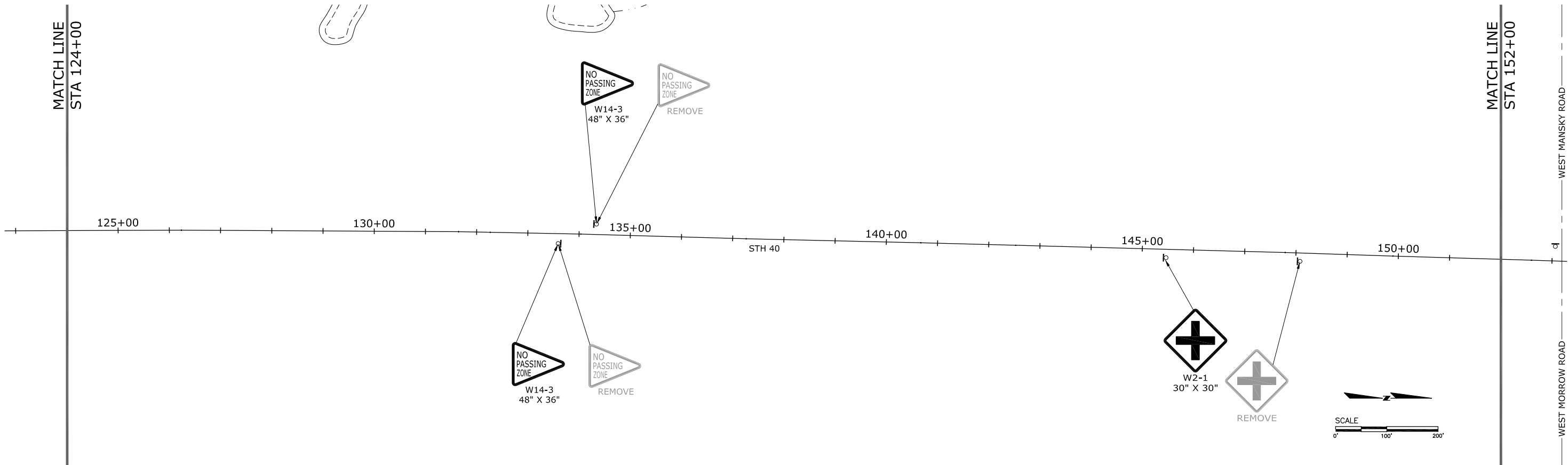
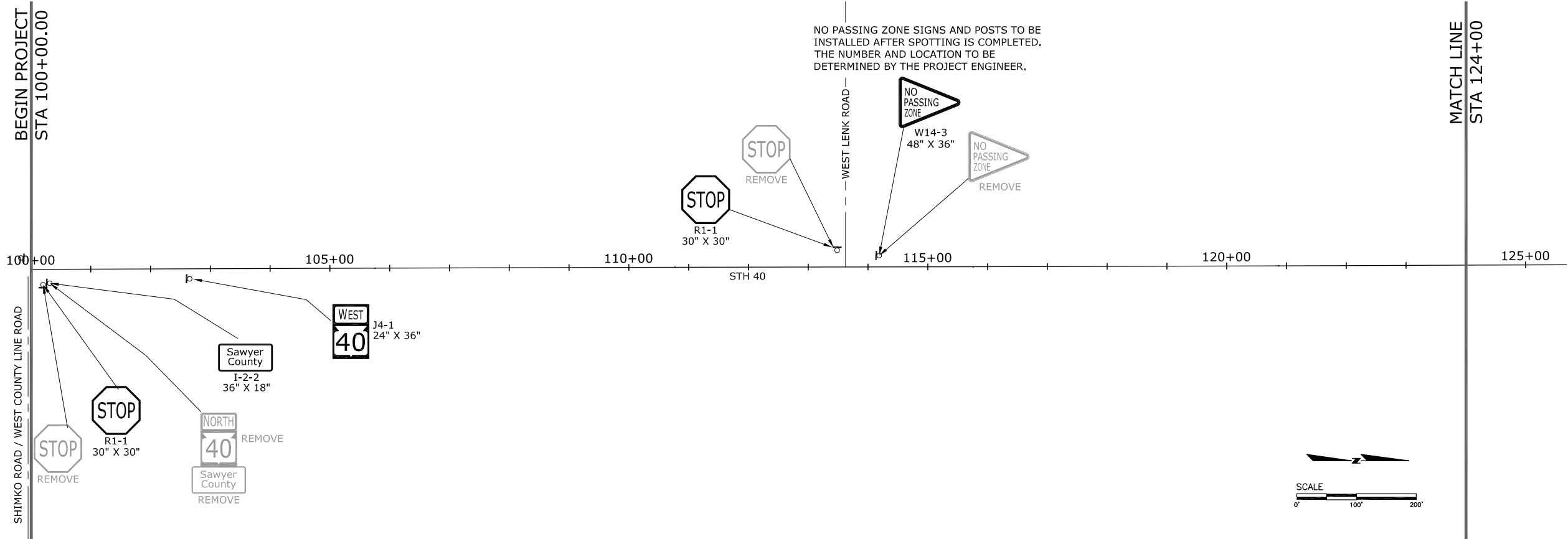


DETAIL OF CURB AND GUTTER AT INLETS
(2 X 3 FT-H INLET SHOWN)



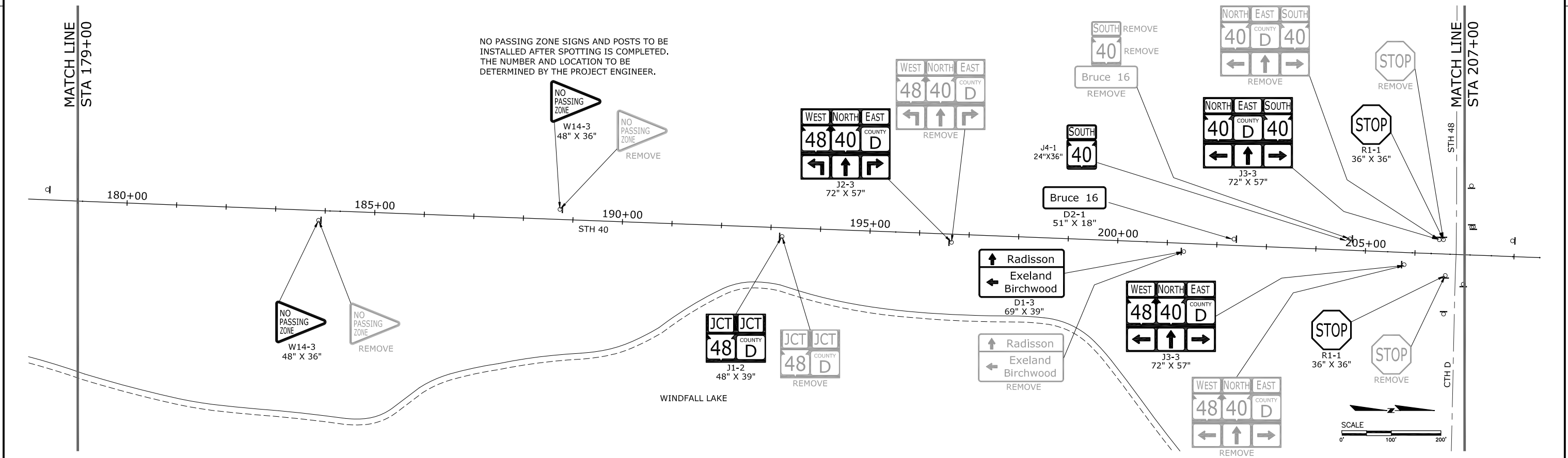
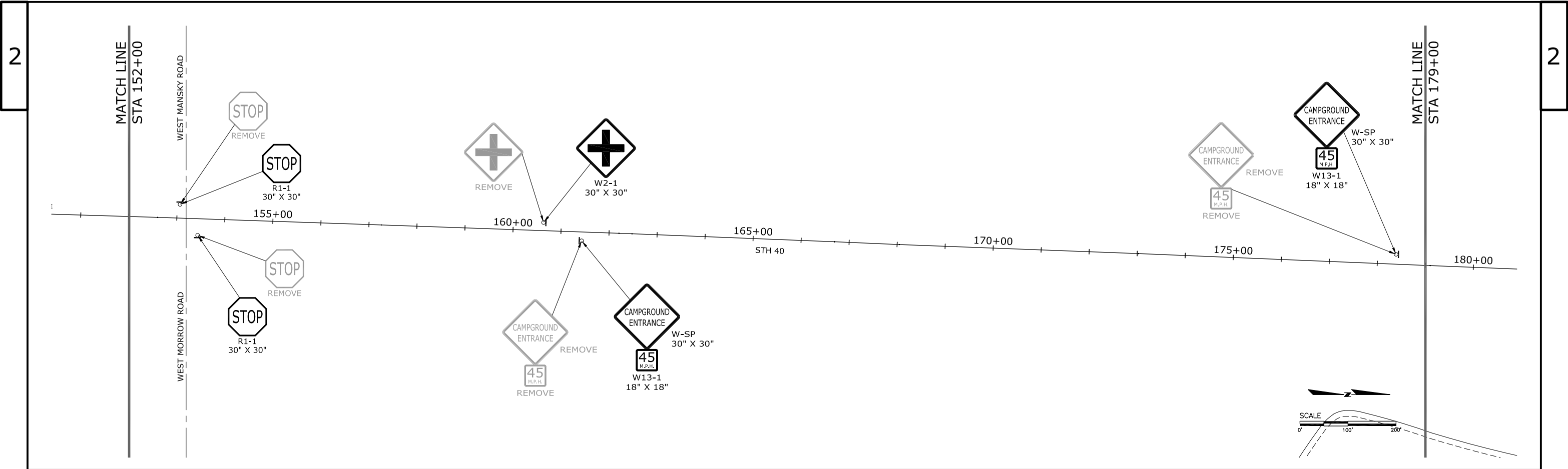
DETAIL FOR STORM SEWER/CULVERT REPLACEMENT AND ASPHALT BASE PATCHING



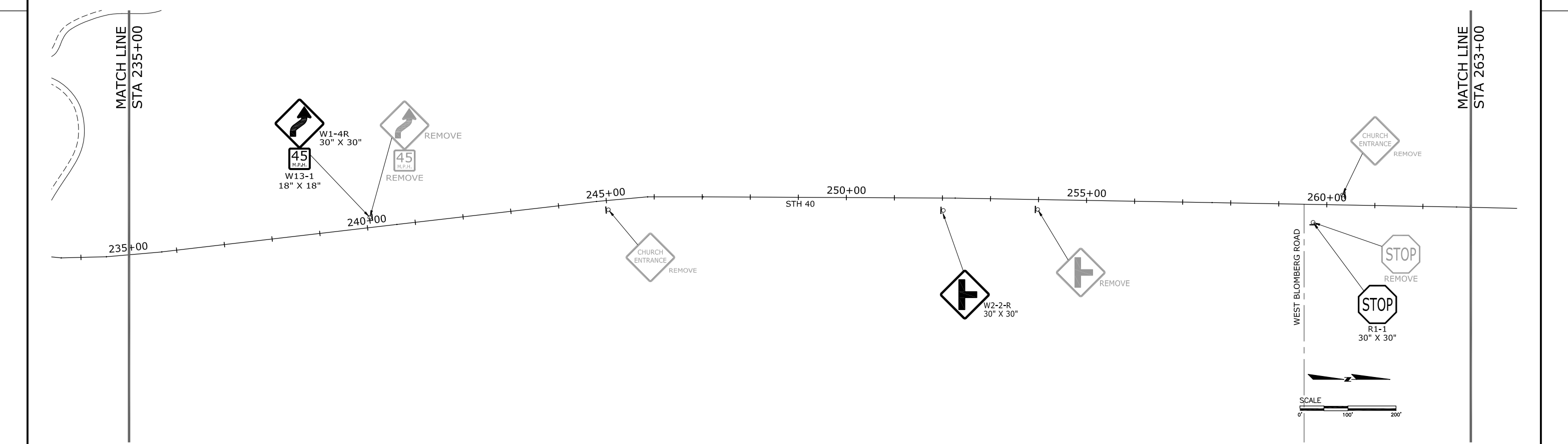
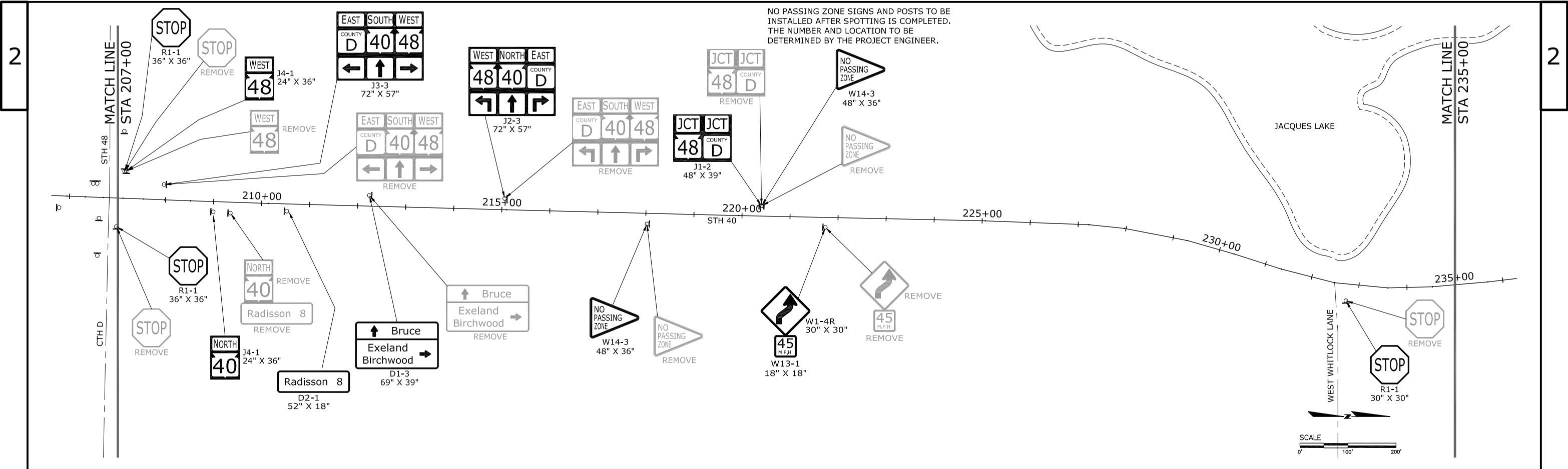


STA. 100+00 TO STA. 152+00 = 5200' NET & LENGTH

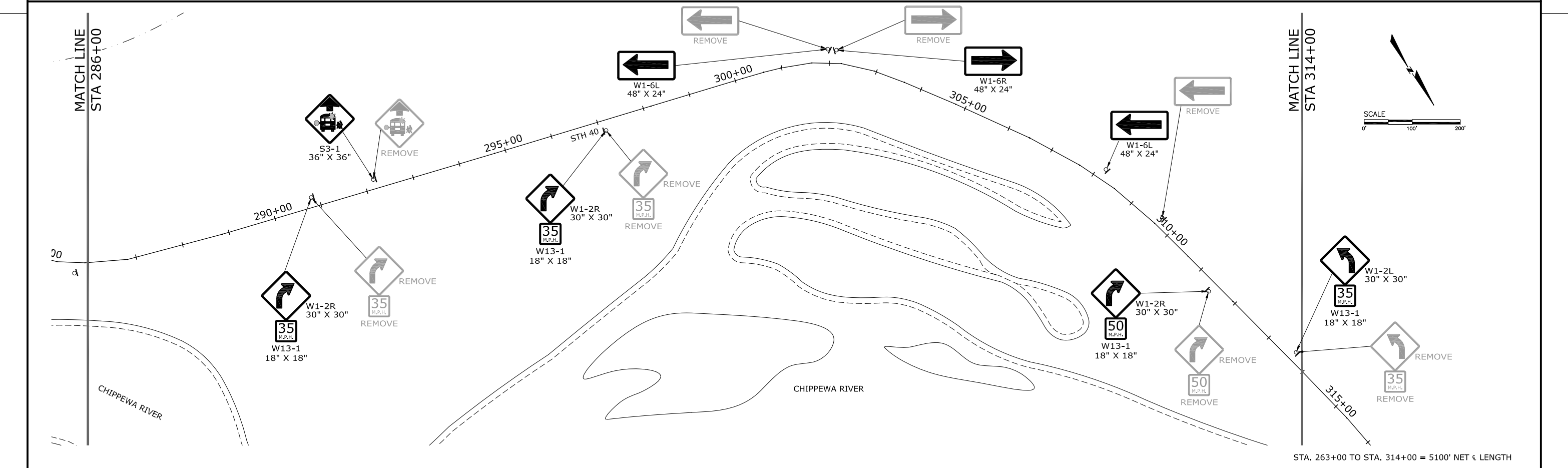
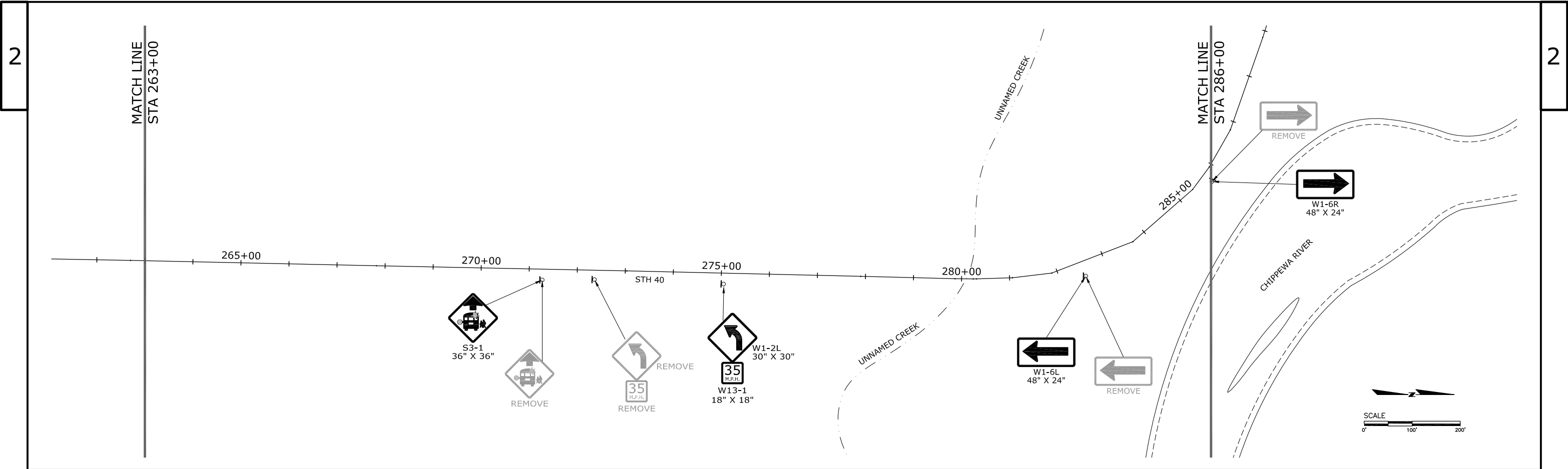
PROJECT NUMBER:	8590-22-60	HWY:	STH 40	COUNTY:	SAWYER	PERMANENT SIGNING	SHEET NO:	E
-----------------	------------	------	--------	---------	--------	-------------------	-----------	---



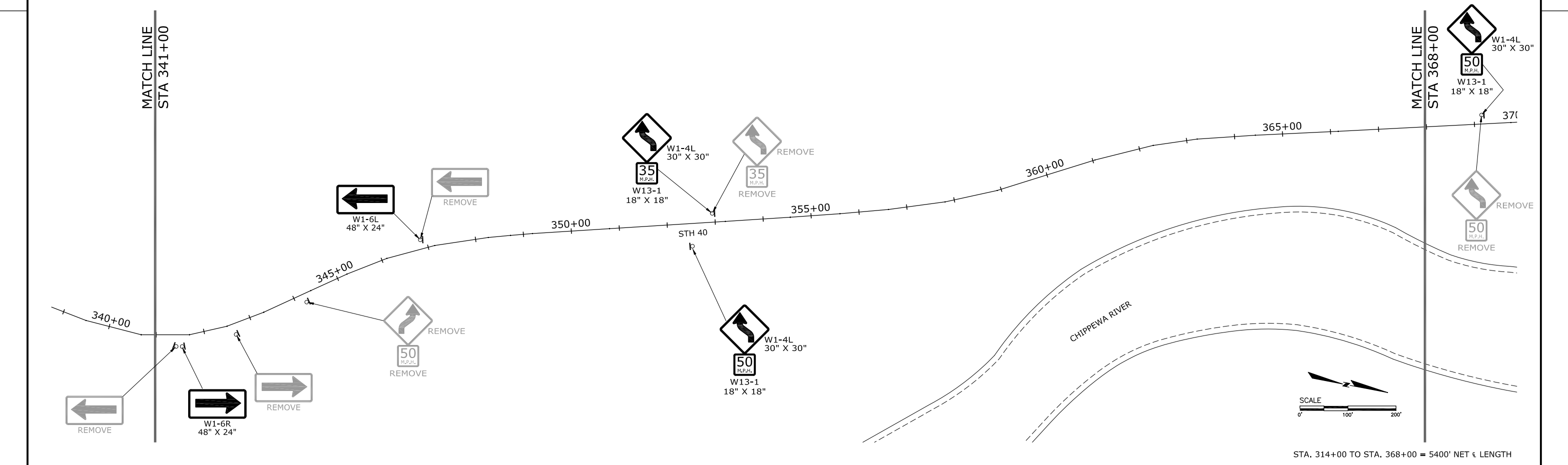
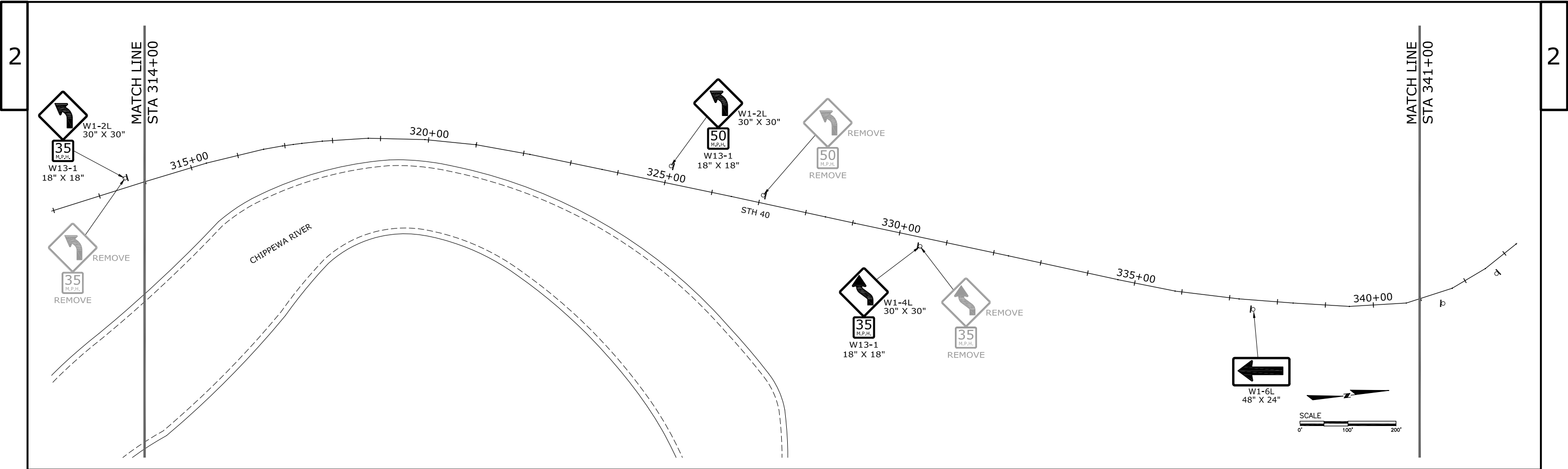
STA. 152+00 TO STA. 207+00 = 5500' NET & LENGTH								
PROJECT NUMBER:	8590-22-60	HWY:	STH 40	COUNTY:	SAWYER	PERMANENT SIGNING	SHEET NO:	E



PROJECT NUMBER:	8590-22-60	HWY:	STH 40	COUNTY:	SAWYER	PERMANENT SIGNING	SHEET NO:	E
-----------------	------------	------	--------	---------	--------	-------------------	-----------	---

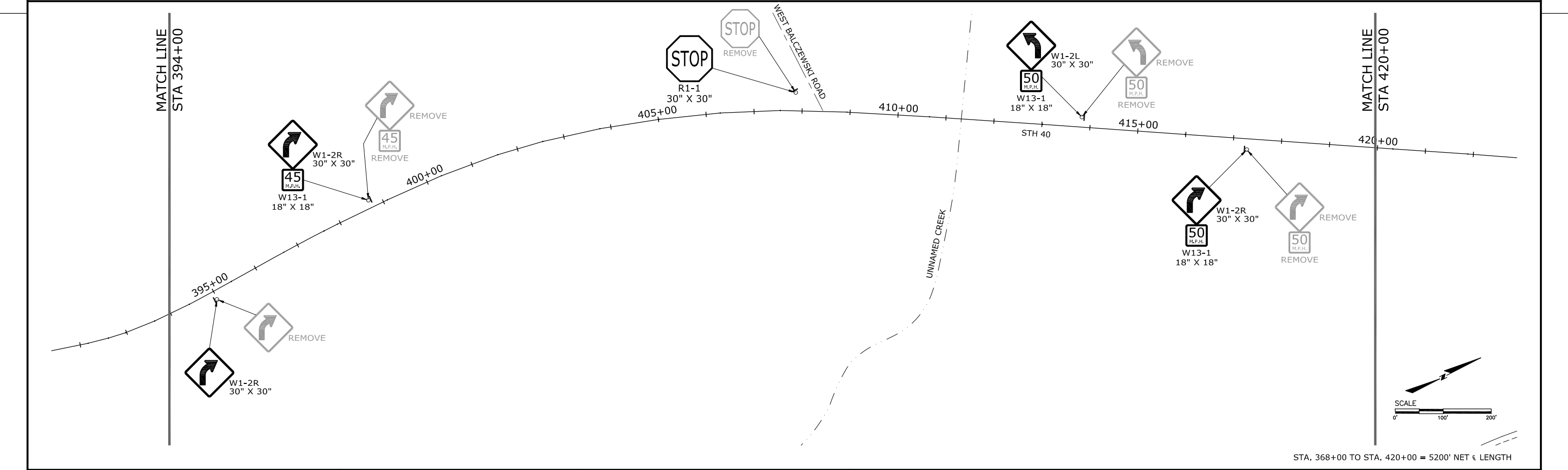
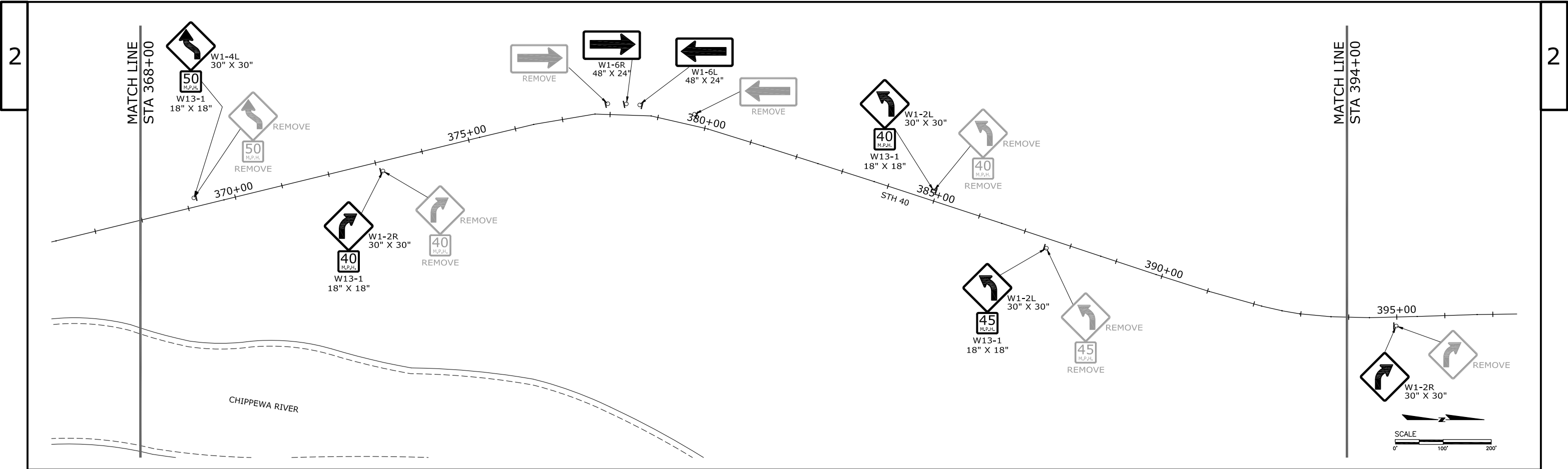


PROJECT NUMBER:	8590-22-60	HWY:	STH 40	COUNTY:	SAWYER	PERMANENT SIGNING	SHEET NO:	E
-----------------	------------	------	--------	---------	--------	-------------------	-----------	---



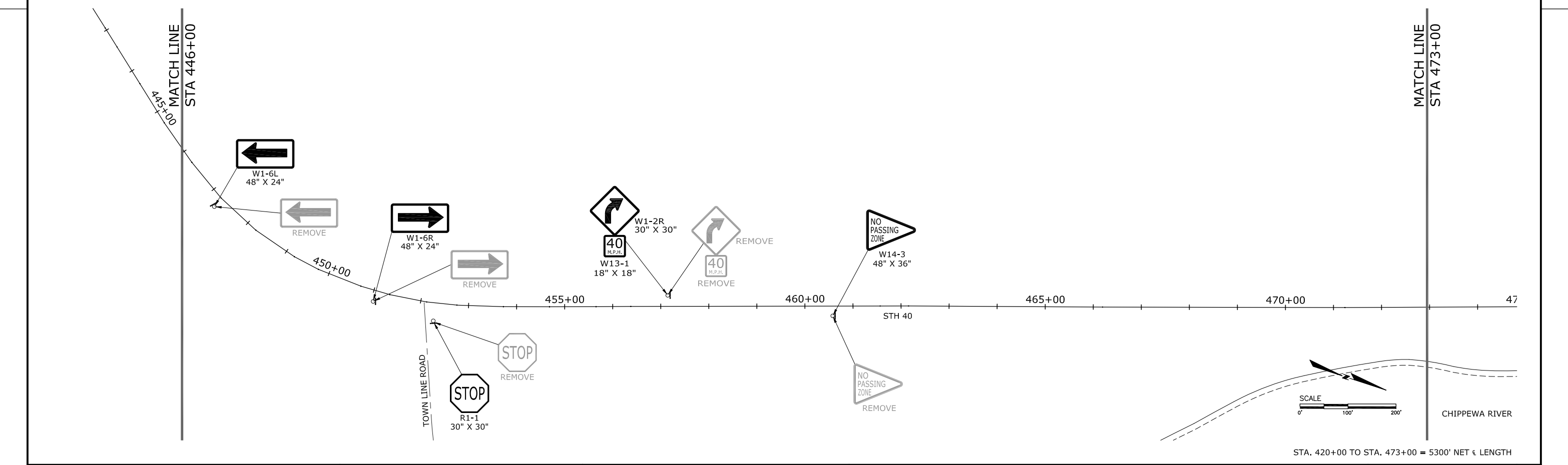
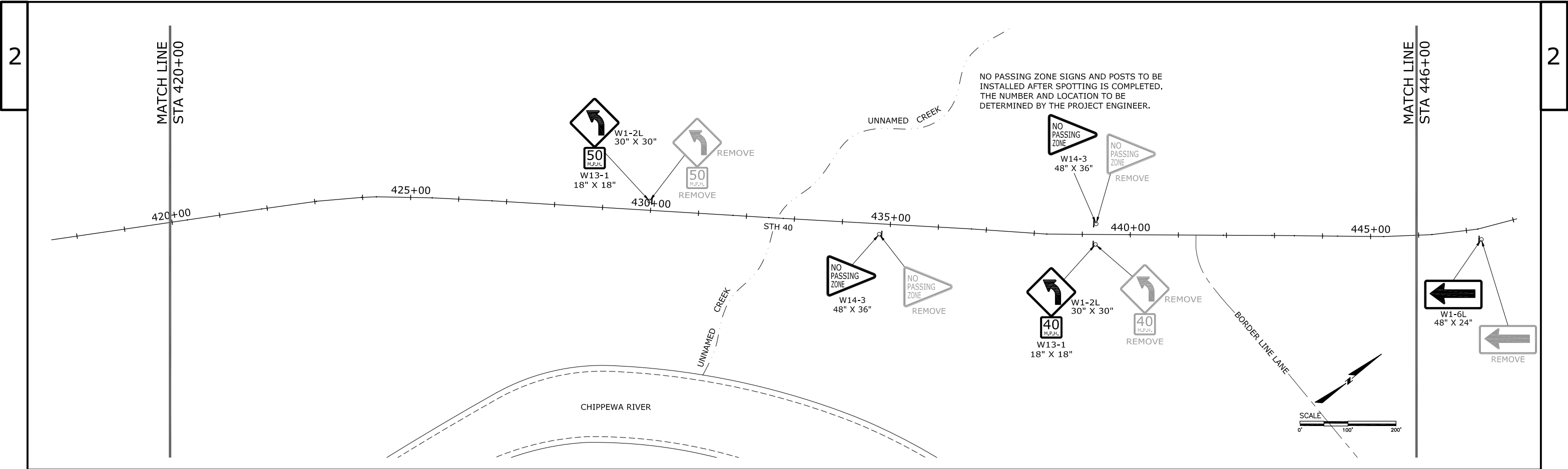
STA. 314+00 TO STA. 368+00 = 5400' NET & LENGTH

PROJECT NUMBER:	8590-22-60	HWY:	STH 40	COUNTY:	SAWYER	PERMANENT SIGNING	SHEET NO:	E
-----------------	------------	------	--------	---------	--------	-------------------	-----------	---

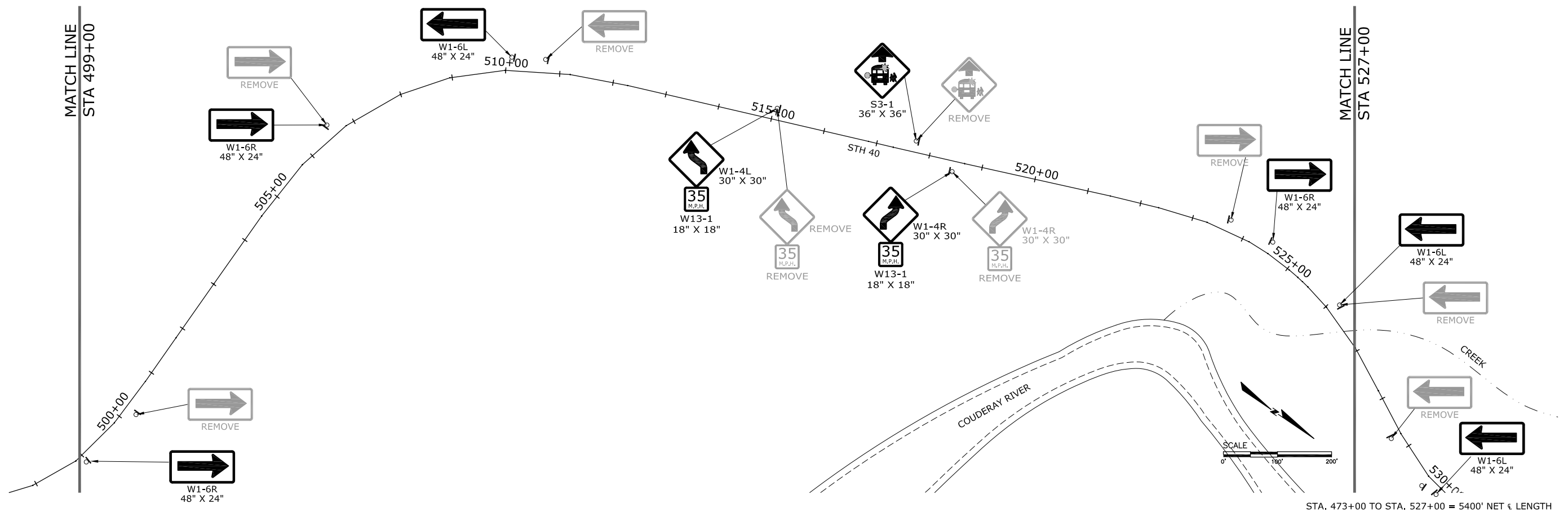
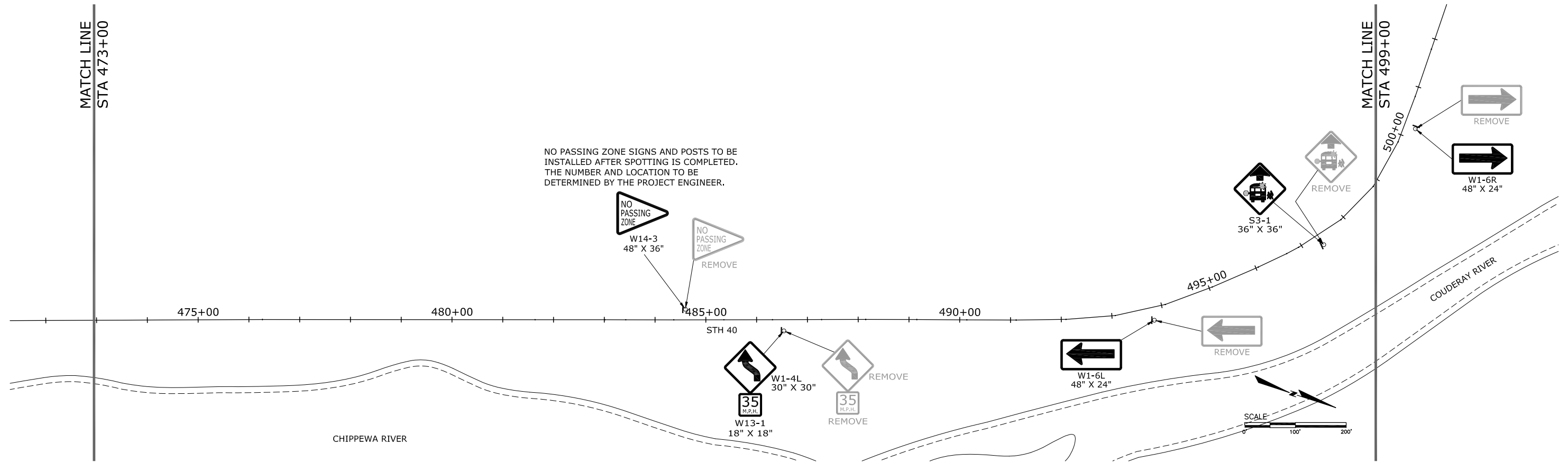


STA. 368+00 TO STA. 420+00 = 5200' NET & LENGTH

PROJECT NUMBER:	8590-22-60	HWY:	STH 40	COUNTY:	SAWYER	PERMANENT SIGNING	SHEET NO:	E
-----------------	------------	------	--------	---------	--------	-------------------	-----------	---



PROJECT NUMBER:	8590-22-60	HWY:	STH 40	COUNTY:	SAWYER	PERMANENT SIGNING	SHEET NO:	E
-----------------	------------	------	--------	---------	--------	-------------------	-----------	---



STA. 473+00 TO STA. 527+00 = 5400' NET & LENGTH

PROJECT NUMBER: 8590-22-60

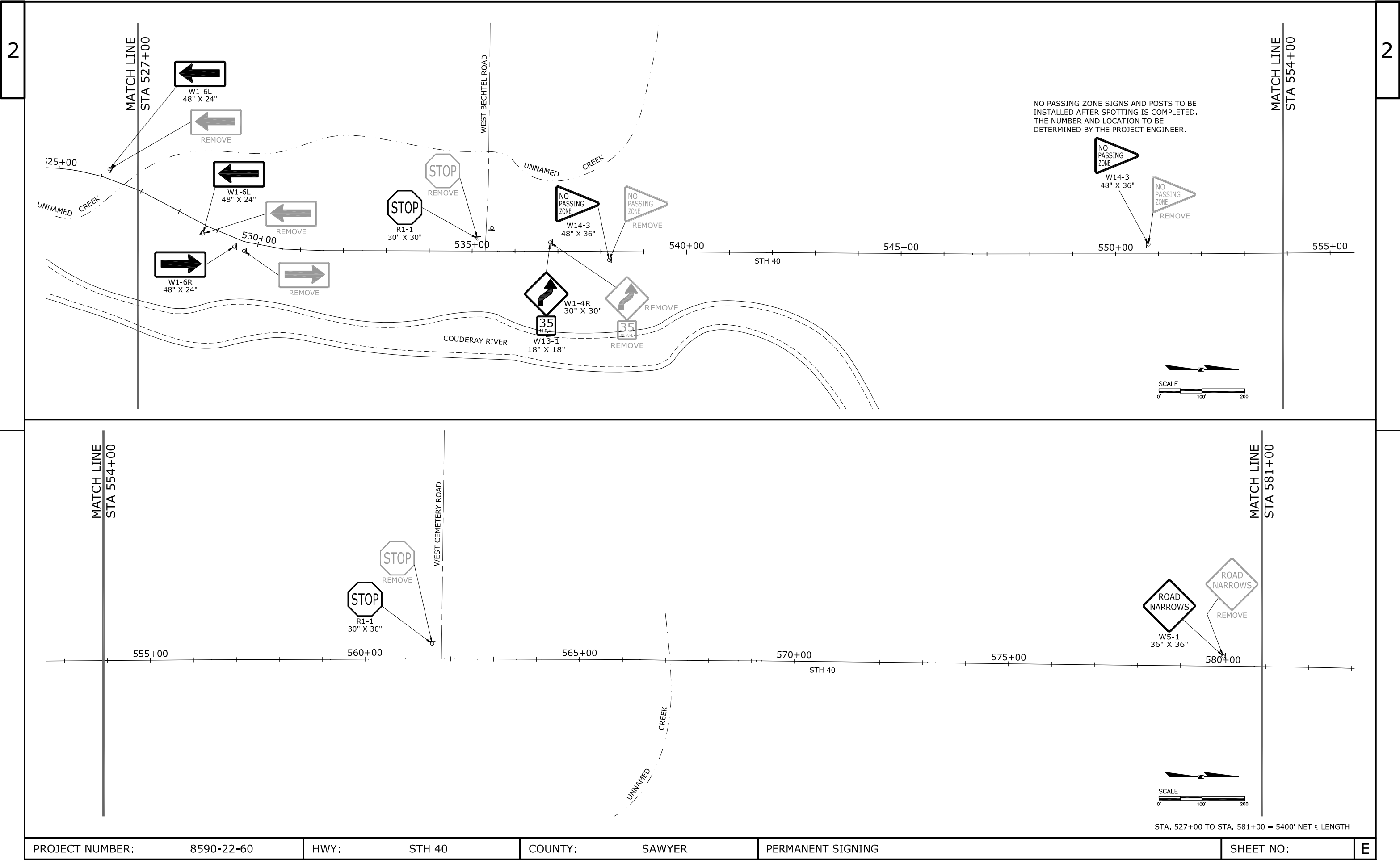
HWY: STH 40

COUNTY: SAWYER

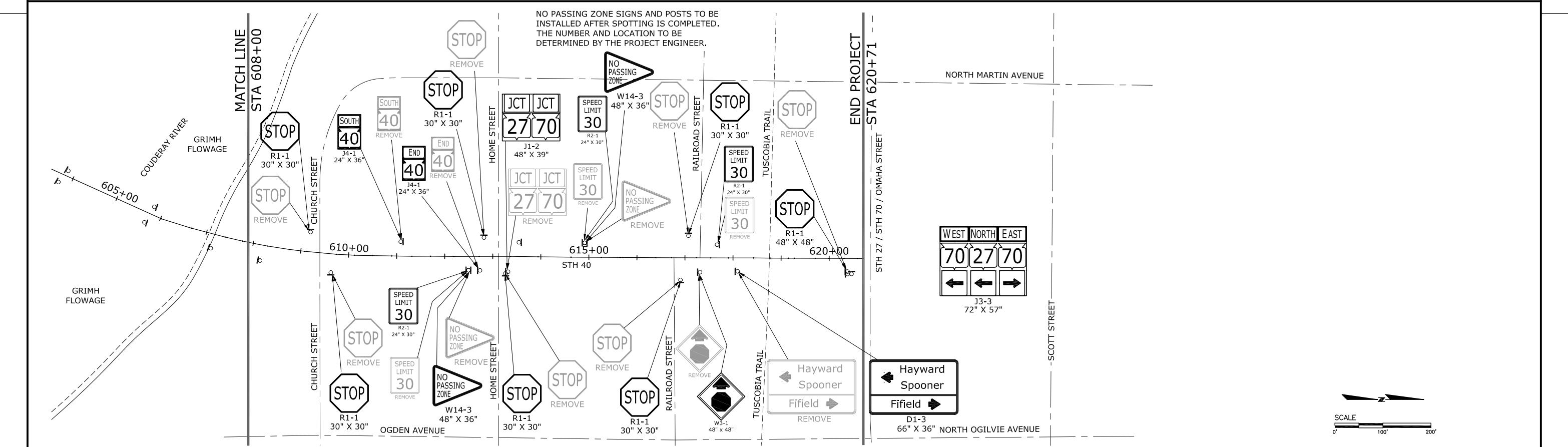
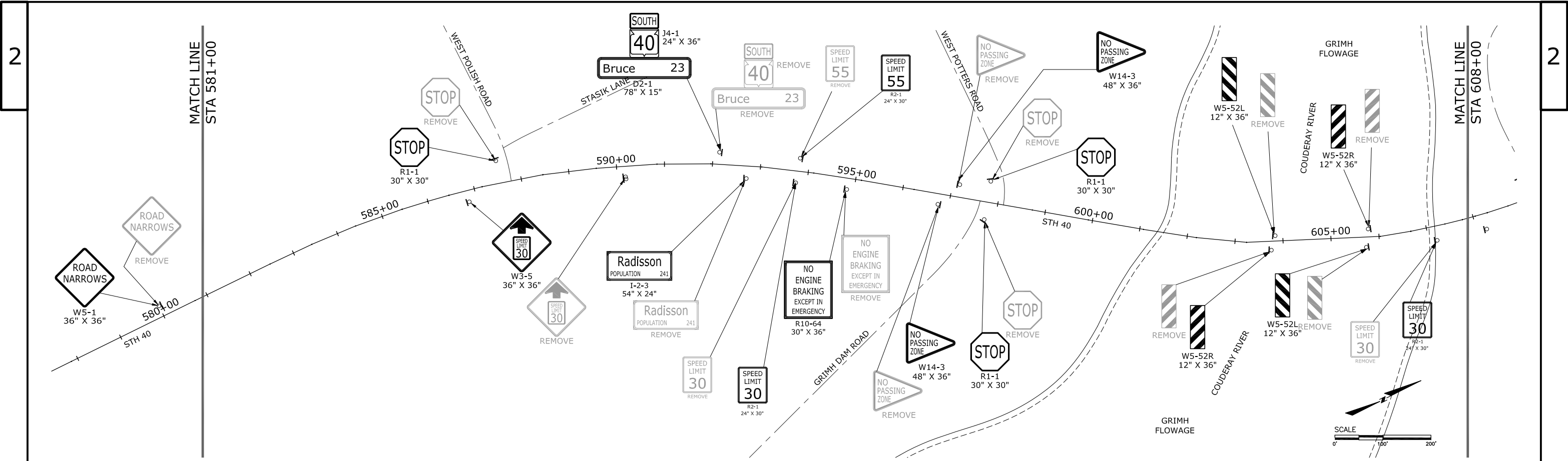
PERMANENT SIGNING

SHEET NO:

E



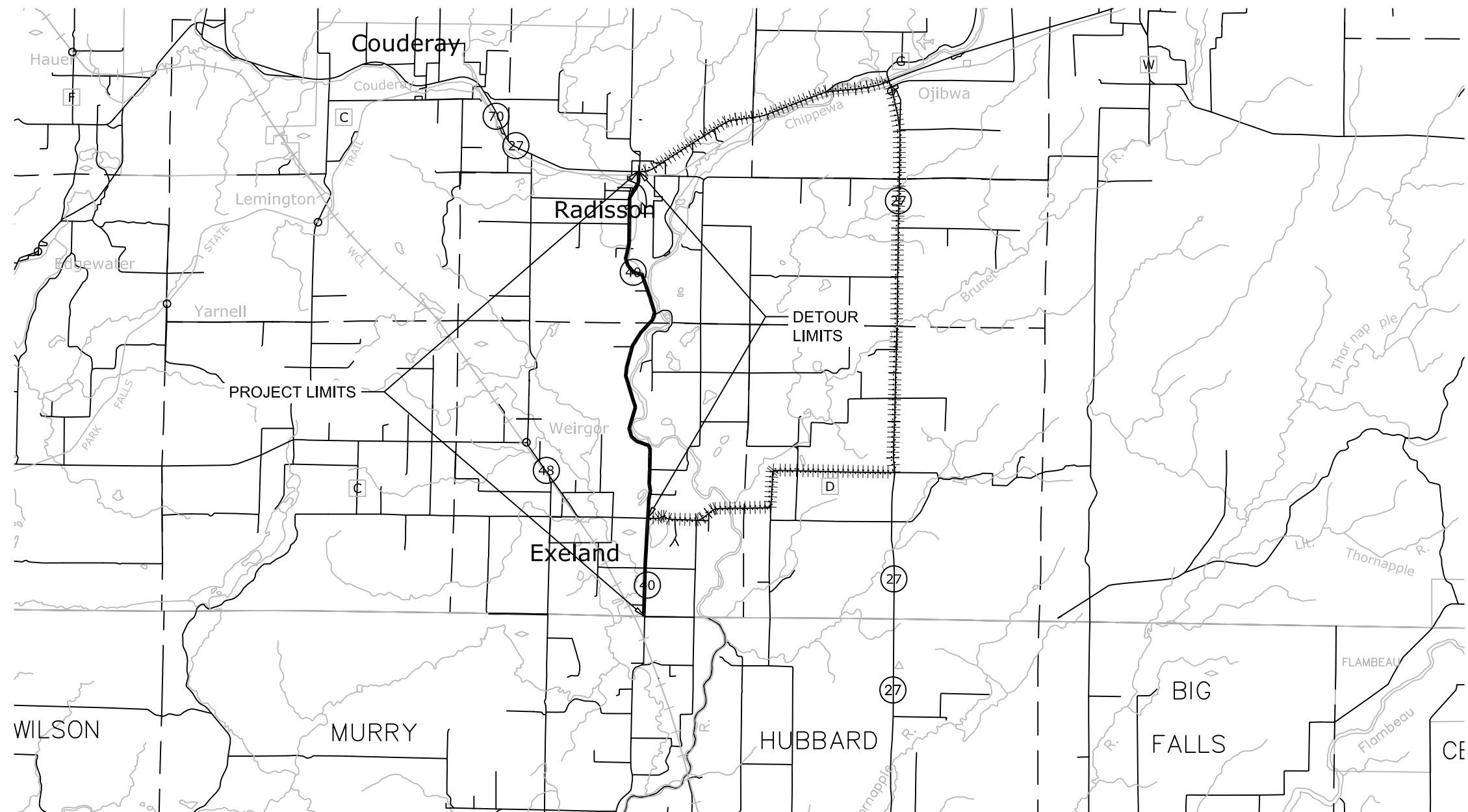
PROJECT NUMBER:	8590-22-60	HWY:	STH 40	COUNTY:	SAWYER	PERMANENT SIGNING	SHEET NO:	E
-----------------	------------	------	--------	---------	--------	-------------------	-----------	---



STA. 581+00 TO STA. 620+96.34 = 3996.34' NET & LENGTH

PROJECT NUMBER:	8590-22-60	HWY:	STH 40	COUNTY:	SAWYER	PERMANENT SIGNING	SHEET NO:	E
-----------------	------------	------	--------	---------	--------	-------------------	-----------	---

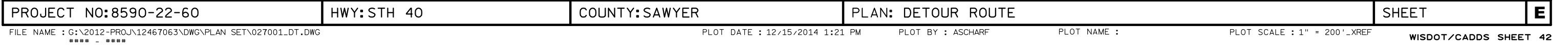
FILE NAME: C:\WisDOT\Std\Temp\AcPub\lsh_5904\020401_ps.dwg PLOT DATE: Jun 08, 2015 - 09:20am PLOT BY:owner PLOT NAME: CEC-PL-PL-FULL (10) ORG. DATE: Feb 13, 2009 Originator : PLOT SCALE : WISDOT/CADDs SHEET 42

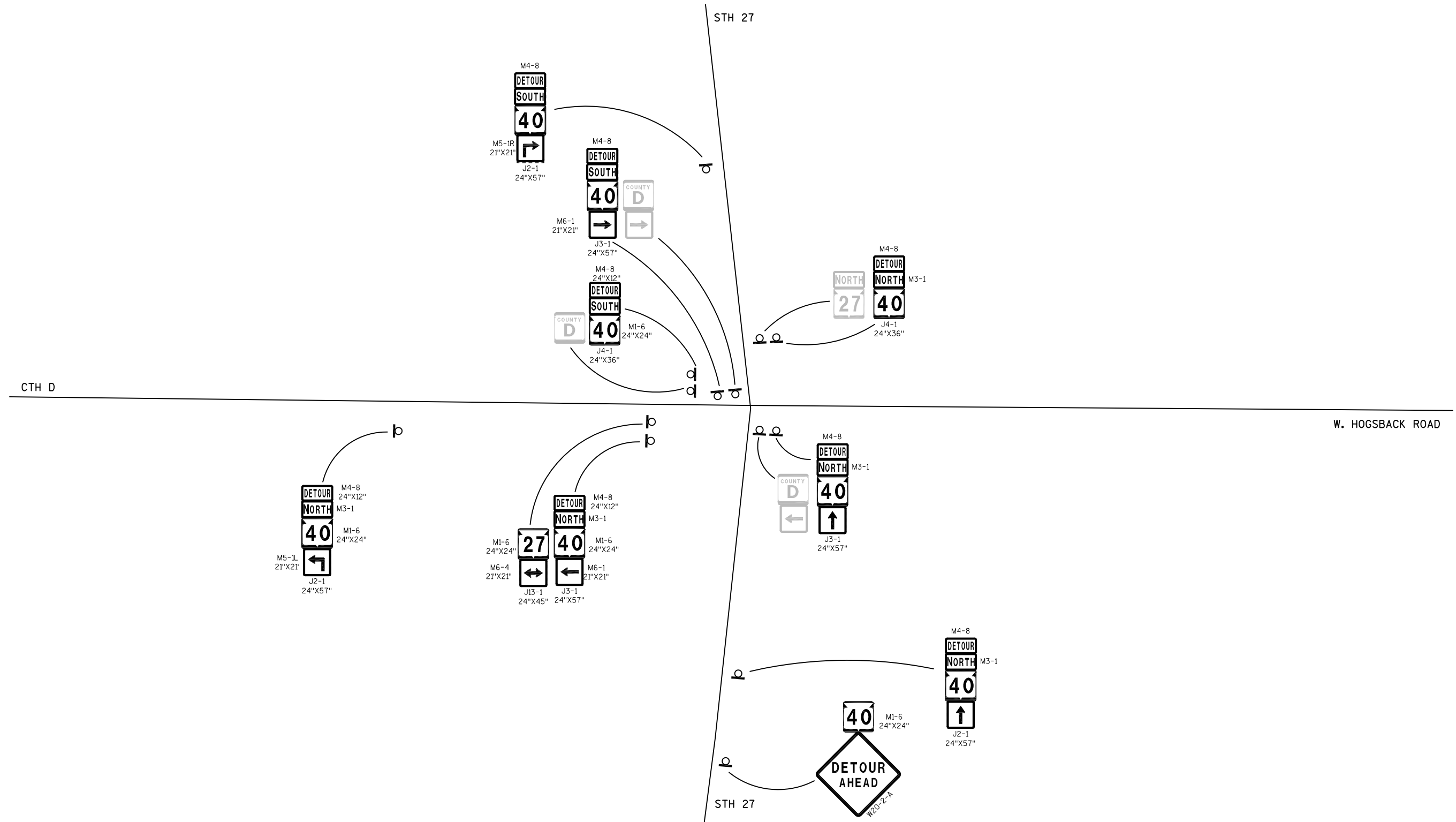


----- - DETOUR ROUTE - CTH D, STH 27/77

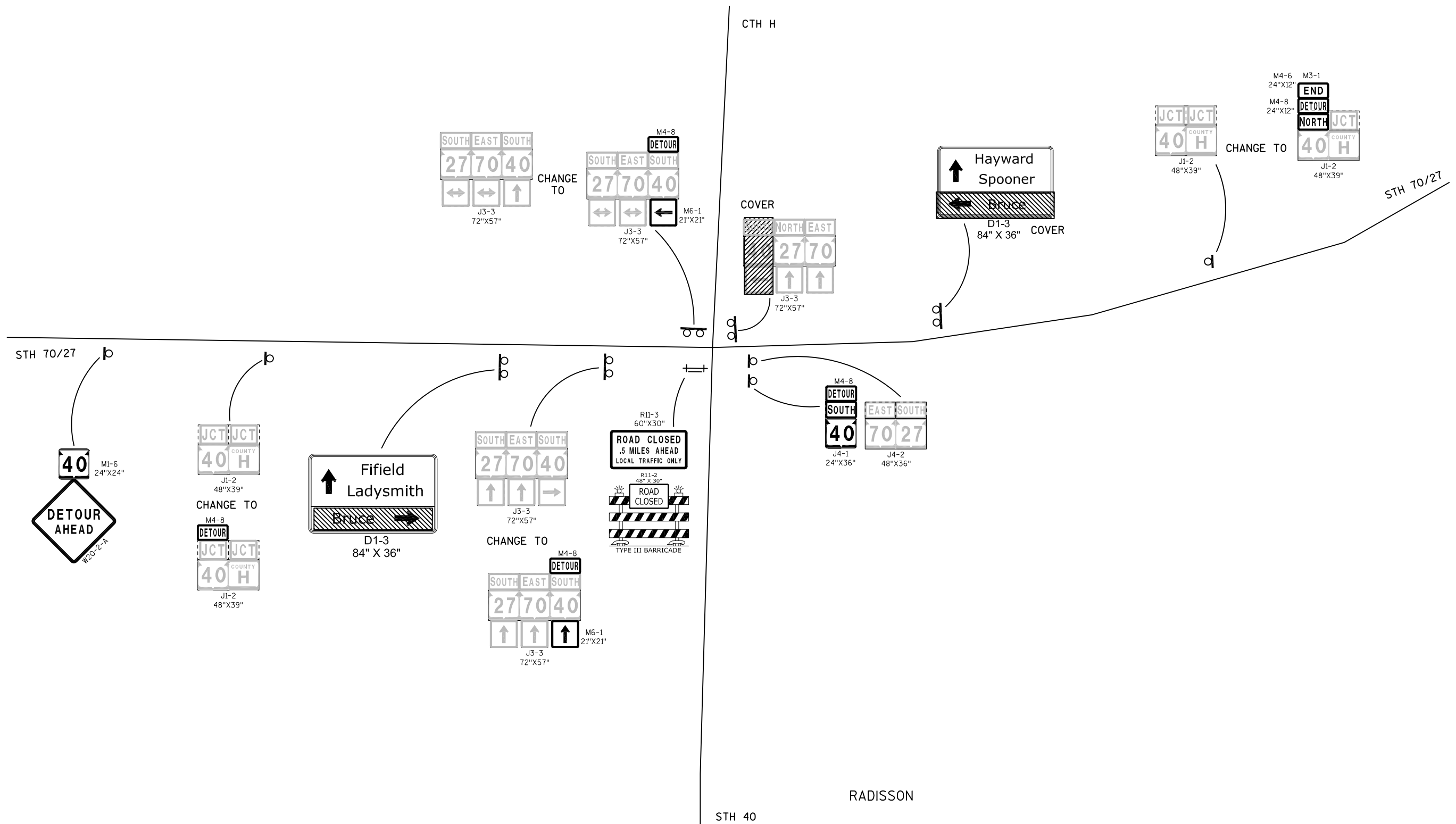
DETOUR ROUTE

1. ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF TRAFFIC CONTROL DEVICES (WMUTCD)
2. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
3. DURING HOURS OF DARKNESS, ALL BARRICADES USED TO SHIELD A HAZARD SHALL BE EQUIPPED WITH TYPE "A" (LOW-INTENSITY FLASHING) LIGHTS AND DEVICES USED TO DELINEATE A TRAVEL PATH SHALL BE EQUIPPED WITH TYPE "C" (STEADY BURN) LIGHTS.
4. "W0" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACK-GROUND SHALL BE ORANGE
5. ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED
6. ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE INCLUDING PRE-EXISTING SIGNING IN THE VICINITY, SHALL BE COVERED OR REMOVED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS, OR AS DIRECTED BY THE ENGINEER IN THE FIELD.









CATEGORY	LOCATION	SIDE	CLEARING	GRUBBING
			201.0105 STA	201.0205 STA
0010	UNDISTRIBUTED	LT	25	25
0010 TOTAL			25	25

CATEGORY	STATION TO	STATION	BASE AGGREGATE DENSE 3/4-INCH 305.0110	BASE AGGREGATE DENSE 1 1/4-INCH 305.0120	SHAPING SHOULDERS 305.0500	REMARKS
			TON	TON	STA	
0010	100+00 -	603+00	4,780	-	1,006	
0010	100+00 -	620+65	-	430	-	CULVERTS/STORM SEWER
0010	100+00 -	620+65	-	845	-	BASE PATCHING
0010	100+00 -	620+65	-	700	-	SIDE ROADS
0010 TOTAL			4,780	1,975	1,006	

CATEGORY	STATION TO	STATION	SIDE	WIDTH (FT)	THICKNESS (IN)	LAYERS	REMOVING ASPHALTIC SURFACE MILLING	PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS	TACK	COAT	HMA COLD WEATHER PAVING	ASPHALTIC SURFACE	ASPHALTIC SURFACE PATCHING	ASPHALTIC SURFACE ENTRANCES	ASPHALT CENTER LINE RUMBLE STRIP 2-LANE RURAL	SAWING ASPHALT	PREPARE FOUNDATION FOR ASPHALTIC PAVING SPECIAL	MATERIAL TRANSFER VEHICLE	ASPHALTIC SURFACE SPECIAL	HMA PAVEMENT TYPE E-3 SPECIAL	REMARKS
							204.0120	211.0400	455.0605		460.4000	465.0105	465.0110	465.0120	465.0475	690.0150	SPV.0105.01	SPV.0105.02	SPV.0195.01	SPV.0195.02	
0010	100+00 -	572+00	LT/RT	24	1.75	1	125,900	472	-	-	-	-	-	-	-	-	1	1	-	-	MAINLINE
0010	572+00 -	598+00	LT/RT	30	1.75	1	8,700	-	-	-	-	-	-	-	-	-	-	-	-	-	MAINLINE
0010	598+00 -	603+00	LT/RT	36	1.75	1	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	MAINLINE
0010	605+10 -	608+00	LT/RT	40	1.75	1	1,300	-	-	-	-	-	-	-	-	-	-	-	-	-	MAINLINE
0010	608+00 -	620+65	LT/RT	44	1.75	1	5,330	-	-	-	-	-	-	-	-	-	-	-	-	-	RADISSON
0010	100+00 -	572+00	LT/RT	27	1.75	1	-	-	7,080	6,940	-	-	-	-	47,200	-	-	-	-	13,880	MAINLINE & 1' PAVED SHOULDERS @ 3"
0010	572+00 -	598+00	LT/RT	30	1.75	1	-	-	433	425	-	-	-	-	2,600	-	-	-	-	850	MAINLINE & PAVED SHOULDERS
0010	598+00 -	603+00	LT/RT	36	1.75	1	-	-	100	100	-	-	-	-	500	-	-	-	-	200	MAINLINE & PAVED SHOULDERS
0010	605+10 -	608+00	LT/RT	40	1.75	1	-	-	64	65	-	-	-	-	290	-	-	-	-	130	MAINLINE & PAVED SHOULDERS
0010	608+00 -	620+65	LT/RT	44	1.75	1	-	-	280	275	64	-	-	-	-	2,590	-	-	-	550	MAINLINE AND PARKING LANE
0010	INSIDE CURVES			3	3.00	1	-	-	171	285	-	-	-	-	-	-	-	-	-	570	INSIDE CURVE PAVED SHOULDERS
0010	UNDISTRIBUTED				4.00		-	-	-	-	447	-	-	-	-	-	-	-	-	-	BASE PATCHING AND CULVERTS/STORM SEWER
0010	UNDISTRIBUTED			6	3.00		5,670	-	142	-	960	-	-	-	-	-	-	-	-	-	OUTSIDE LANE REPAIR
0010	UNDISTRIBUTED				1.75		-	-	55	55	110	-	-	-	-	100	-	-	-	110	SIDE ROADS
0010	UNDISTRIBUTED				3.00		-	-	-	-	-	-	-	80	-	100	-	-	-	-	DRIVEWAYS AND TAPERS
0010	UNDISTRIBUTED						-	-	1,170	-	-	-	-	-	-	-	-	-	1,600	-	LEVELLING & WEDGING
0010	UNDISTRIBUTED						-	-	-	-	-	50	-	-	-	-	-	-	-	-	MINOR REPAIRS, RAMPING AT BUTT JOINTS
0010 TOTAL							148,900	472	9,495	8,145	1,581	50	80	50,590	2,790	1	1	1,600	16,290		
0030	608+00 -	620+65	LT/RT	40	1.75	1	1,340	-	34	75	-	-	-	-	-	-	-	-	-	150	RADISSON
0030 TOTAL							1,340	0	34	75	0	0	0	0	0	0	0	0	0	150	
TOTAL							150,240	472	9,529	8,220	1,581	50	80	50,590	2,790	1	1	1,600	16,440		

3

3

CATEGO	STATION	SIDE	REMOVING	CULVERT	CULVERT	CULVERT	CULVERT	CULVERT	CULVERT	CULVERT	CULVERT	CULVERT	CULVERT	CULVERT	APRON	APRON	APRON	APRON	RIPRAP MEDIUM	CULVERT PIPE CHECKS	MARKERS CULVERT END	GEOTEXTILE CONSTRUCTION			
			SMALL PIPE	PIPE CLASS	CLASS III	CLASS III	PIPE CLASS	CLASS III	CLASS III	PIPE CLASS	CLASS III	CLASS III	PIPE CLASS	CLASS III	CLASS III	ENDWALLS	ENDWALLS	ENDWALLS				ENDWALLS	FABRIC TYPE	CONSTRUCTION	
			CULVERTS	48-INCH	STEEL	ALUMINUM	III-A	STEEL	ALUMINUM	III-A	STEEL	ALUMINUM	III-A	STEEL	ALUMINUM	FOR CULVERT	FOR CULVERT	FOR CULVERT				FOR CULVERT	"R"	STAKING	PIPE
			203.0100	520.3148	THICKNESS	THICKNESS	24-INCH	THICKNESS	THICKNESS	30-INCH	THICKNESS	THICKNESS	36-INCH	THICKNESS	THICKNESS	24-INCH	30-INCH	36-INCH				48-INCH	606.0200	628.7555	633.5200
EA	LF			LF			LF			LF			EA	EA	EA	EA	CY	EA	EA	SY	EA				
0010	317+20	LT/RT	1	60	0.064	0.075	-	-	-	-	-	-	-	-	-	-	-	2	-	1	2	-	1		
0010	329+07	LT/RT	1	-	-	-	-	-	-	40	0.064	0.075	-	-	-	-	2	-	-	1	2	-	1		
0010	348+76	LT/RT	1	-	-	-	-	-	-	35	0.064	0.075	-	-	-	-	2	-	-	1	2	-	1		
0010	411+34	LT/RT	-	-	-	-	-	-	-	-	-	-	50	0.064	0.075	-	-	2	-	1	2	-	-		
0010	424+34	RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	15	-		
0010	432+50	RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	5	-	-	15	-		
0010	483+06	RT	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	10	-	-	30	-		
0010	496+89	LT/RT	1	-	-	-	-	-	-	43	0.064	0.075	-	-	-	-	2	-	-	1	2	-	1		
0010	525+40	RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-		
0010	535+73	RT	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	2	2	-	-		
0010	569+33	LT/RT	1	-	-	-	60	0.064	0.075	-	-	-	-	-	-	2	-	-	-	1	2	-	1		
0010	573+414	RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	15	-		
0010 TOTAL			5	60	0	0	60	0	0	118	0	0	50	0	0	4	7	3	4	25	8	16	75	5	

CATEGORY	STATION TO	STATION	SIDE	REMOVING	CONCRETE	CONCRETE
				CURB & GUTTER	CURB & GUTTER	CURB & GUTTER
				204.0150	601.0411	SPV.0090.01
				LF	LF	LF
0010	608+92 -	609+19	LT	32	39	39
0010	609+04 -	609+28	RT	35	41	41
0010	609+49 -	612+89	LT	347	366	366
0010	609+58 -	612+90	RT	350	359	359
0010	613+20 -	617+15	LT	400	419	419
0010	613+20 -	616+57	RT	348	360	360
0010	616+88 -	620+64	RT	-	400	400
0010	616+97 -	618+50	RT	153	-	-
0010	617+45 -	620+64	LT	-	342	342
0010	617+48 -	618+53	LT	105	-	-
0010	619+20 -	619+53	LT	33	-	-
0010	619+28 -	619+53	RT	25	-	-
0010	620+30 -	620+64	LT	49	-	-
0010	620+38 -	620+64	RT	40	-	-
0010 TOTAL				1917	2326	2326

CATEGORY	STATION to	STATION	OFFSET	SIDE	REMOVING	STORM SEWER	CONCRETE	INLET	INLET	INLETS	INLETS	COVER	INLET
					INLETS	REINFORCED	CLASS IV	COVERS	COVERS	3-FT	2X3-FT	PLATES	PROTECTION
					(12-INCH)	PIPE	12-INCH	TYPE A	TYPE H	DIAMETER	TEMPORARY	TEMPORARY	TYPE C
					204.0220	204.0245	608.0412	611.0600	611.0624	611.3003	611.3230	611.8120.S	628.7015
					EACH	LF	LF	EACH	EACH	EACH	EACH	EACH	EACH
0010	616+44		25.5'	RT	-	-	-	-	1	-	1	1	1
0010	616+44 -	617+48		RT	-	-	105	-	-	-	-	-	-
0010	616+94		28'	RT	1	-	-	-	-	-	-	-	-
0010	616+94 -	617+48		RT	-	54	-	-	-	-	-	-	-
0010	617+47		29'	RT	1	-	-	-	-	-	-	-	-
0010	617+47 -	617+49		RT	-	6	-	-	-	-	-	-	-
0010	617+49			LT/RT	-	63	63	-	-	-	-	-	-
0010	617+49		23'	RT	1	-	-	-	1	-	1	1	1
0010	617+49		31'	LT	1	-	-	-	-	-	-	-	-
0010	617+49		40'	LT	-	-	-	1	-	1	-	1	1
0010		UNDISTRIBUTED			-	-	-	-	-	-	-	-	3
0010 TOTAL					4	123	168	1	2	1	2	3	6

3

3

				MOBILIZATIONS												
				EXCAVATION		SALVAGED		SILT	SILT FENCE	MOBILIZATIONS	EROSION	EMERGENCY	TEMPORARY	FERTILIZER	SEEDING	SEEDING
				COMMON	TOPSOIL	TOPSOIL	MULCHING	FENCE	MAINTENANCE	CONTROL	CONTROL	CONTROL	CHECKS	TYPE A	NO. 30	NO. 40
CATEGORY	STATION	TO	STATION SIDE	205.0100	625.0500	625.0500	627.0200	628.1504	628.1520	628.1905	628.1910	628.7504	629.0205	630.0130	630.0140	
				CY	SY	SY	SY	LF	LF	EA	EA	LF	CWT	LB	LB	
0010	205+00	-	209+00 LT	300	-	890	890	-	-	-	-	40	0.6	16	-	
0010	205+00	-	209+00 RT	300	-	890	890	-	-	-	-	40	0.6	16	-	
0010	442+00	-	455+00 LT	960	-	2890	2890	-	-	-	-	130	1.8	52	-	
0010	442+00	-	455+00 RT	960	-	2890	2890	-	-	-	-	130	1.8	52	-	
0010	491+00	-	501+00 LT	740	-	2220	2220	-	-	-	-	100	1.4	40	-	
0010	521+00	-	525+50 RT	330	-	1000	1000	-	-	-	-	50	0.6	18	-	
0010	535+50	-	538+50 RT	220	-	670	670	-	-	-	-	30	0.4	12	-	
0010	559+00	-	570+00 LT	810	-	2440	2440	-	-	-	-	110	1.5	44	-	
0010	559+00	-	570+00 RT	810	-	2440	2440	-	-	-	-	110	1.5	44	-	
0010	608+00	-	620+65 RT	-	-	-	-	-	-	-	-	-	-	-	-	
0010	BASE PATCHING			520	-	-	-	-	-	-	-	-	-	-	-	
0010	UNDISTRIBUTED			-	-	-	-	2000	2000	5	5	-	-	-	-	
0010 TOTAL				5950	0	16330	16330	2000	2000	5	5	740	10	294	0	
0020	608+00	-	620+65 RT	750	975	975	1950	-	-	-	-	-	1.5	-	42	
0020 TOTAL				750	975	975	1950	0	0	0	0	0	1.5	0	42	
TOTAL				6700	975	17305	18280	2000	2000	5	5	740	12	294	42	

				CURB RAMP								
				REMOVING		CONCRETE	CONCRETE	CONCRETE	DETECTABLE	CONCRETE	CONCRETE	
				CONCRETE	SUBBASE	DRIVEWAY	SIDEWALK	SIDEWALK	WARNING	SIDEWALK	DRIVEWAY	
				SIDEWALK	12-INCH	6-INCH	4-INCH	6-INCH	FIELD	CURE AND	CURE AND	
				SIDEWALK	12-INCH	6-INCH	4-INCH	6-INCH	NATURAL	SEAL	SEAL	
				204.0155	350.0145	416.0160	602.0405	602.0415	602.0515	SPV.0165.01	SPV.0180.01	
CATEGORY	STATION	TO	STATION SIDE	SY	SY	SY	SF	SF	SF	SF	SY	
0020	610+89	-	610+90 LT	4	-	-	-	-	-	-	-	-
0020	613+25	-	617+08 RT	213	-	-	-	-	-	-	-	-
0020	616+30	-	616+34 LT	3	-	-	-	-	-	-	-	-
0020	609+02	-	609+12 LT	-	7	-	48	-	8	48	-	-
0020	609+03	-	609+22 RT	-	33	17	95	-	8	95	17	-
0020	609+56	-	612+83 LT	-	302	51	1238	380	16	1618	51	-
0020	609+65	-	612+84 RT	-	295	44	1261	350	16	1611	44	-
0020	613+26	-	617+09 LT	-	320	22	1732	175	16	1907	22	-
0020	613+26	-	616+51 RT	-	297	44	1265	350	16	1615	44	-
0020	616+94	-	620+57 RT	-	320	36	1552	275	16	1827	36	-
0020	617+51	-	620+57 LT	-	298	58	1088	450	16	1538	58	-
0020	617+70	-	617+75 LT	-	-	-	-	-	8	-	-	-
0020	617+70	-	617+75 RT	-	-	-	-	-	8	-	-	-
0020 TOTAL				220	1870	273	8280	1980	128	10260	273	

3

Category	Station	Side	Sign Code	Description	Width	Height	SIGNS		Sign Message	POSTS		REMOVING	REMOVING
							REFLECTIVE TYPE II H	Sign Message		WOOD 4X6-INCH X 18-FT	SIGNS TYPE II	SMALL SIGN SUPPORTS	
							637.2210			634.0618	638.2602	638.3000	
Northbound							SF	Line Order 1	Line Order 2	Line Order 3	EA	EA	EA
0010	100+20	Right	R1-1	Stop	36	36	7.46				1	1	1
0010	100+31	Right	I-2-2	County Line Name	24	18	3.00	Sawyer	County		1	1	1
0010	100+31	Right	J4-1	Reassurance Assembly (1 Headed Route Panel)	24	36	6.00	NORTH	40			1	
0010	114+18	Left	W14-3	No Passing Zone	48	36	6.00				1	1	1
0010	134+33	Left	W14-3	No Passing Zone	48	36	6.00				1	1	1
0010	148+08	Right	W2-1	Cross Road	30	30	6.25				1	1	1
0010	153+44	Right	R1-1	Stop	30	30	5.18				1	1	1
0010	161+43	Right	W13-1	Advisory Speed Plate (Yellow Back)	18	18	2.25	45	M.P.H.			1	
0010	161+43	Right	SP	Any Special Sign	30	30	6.25	CAMPGROUND	ENTRANCE		1	1	1
0010	188+73	Left	W14-3	No Passing Zone	48	36	6.00				1	1	1
0010	193+22	Right	J1-2	Junction or End Assembly (2 Headed Panel)	48	39	13.00	JCT JCT	48 D		1	1	1
0010	196+65	Right	J2-3	Route Turn Assembly (3 Headed Route Panel)	72	57	28.50	WEST NORTH EAST	48 40 D	(LT) (UA) (RT)	2	1	2
0010	201+33	Right	D1-3	Triple Destination/Arrow	75	42	21.88	(UA) Radisson	(LA) Exeland	(LA) Birchwood	2	1	2
0010	205+79	Right	J3-3	Directional Assembly (3 Headed Panel)	72	57	28.50	WEST NORTH EAST	48 40 D	(LA) (UA) (RA)	2	1	2
0010	206+63	Right	R1-1	Stop	36	36	7.46				1	1	1
0010	206+99	Right	R1-1	Stop	36	36	7.46				1	1	1
0010	208+60	Right	J4-1	Reassurance Assembly (1 Headed Route Panel)	24	36	6.00	NORTH	40			1	
0010	210+60	Right	D2-1	Destination/Distance (One) with Die Cut Letters	66	18	8.25	Radisson 8			2	1	2
0010	220+40	Left	W14-3	No Passing Zone	48	36	6.00				1	1	1
0010	221+74	Right	W13-1	Advisory Speed Plate (Yellow Back)	18	18	2.25	45	M.P.H.			1	
0010	221+74	Right	W1-4-R	Right Reverse Curve	30	30	6.25				1	1	1
0010	232+77	Right	R1-1	Stop	30	30	5.18				1	1	1
0010	245+03	Right	W54-58	Church Entrance	30	30	6.25	CHURCH	ENTRANCE		1	1	1
0010	253+99	Right	W2-2	Side Road (90 Degrees)	30	30	6.25				1	1	1
0010	259+72	Right	R1-1	Stop	30	30	5.18				1	1	1
0010	271+28	Right	S3-1	School Bus Stop Ahead	30	30	6.25				1	1	1
0010	275+00	Right	W13-1	Advisory Speed Plate (Yellow Back)	18	18	2.25	35	M.P.H.			1	
0010	275+00	Right	W1-2-L	Left Curve	30	30	6.25				1	1	1
0010	282+54	Right	W1-6-L	Night Arrow (Single)	48	24	8.00				1	1	1
0010	297+14	Right	W13-1	Advisory Speed Plate (Yellow Back)	18	18	2.25	35	M.P.H.			1	
0010	297+14	Right	W1-2-R	Right Curve	30	30	6.25				1	1	1
0010	302+15	Left	W1-6-R	Night Arrow (Single)	48	24	8.00				1	1	1
0010	311+45	Right	W13-1	Advisory Speed Plate (Yellow Back)	18	18	2.25	50	M.P.H.			1	
0010	311+45	Right	W1-2-R	Right Curve	30	30	6.25				1	1	1
0010	330+49	Right	W13-1	Advisory Speed Plate (Yellow Back)	18	18	2.25	35	M.P.H.			1	
0010	330+49	Right	W1-4-L	Left Reverse Curve	30	30	6.25				1	1	1
0010	337+40	Right	W1-6-L	Night Arrow (Single)	48	24	8.00				1	1	1
0010	352+50	Right	W13-1	Advisory Speed Plate (Yellow Back)	18	18	2.25	50	M.P.H.			1	
0010	352+50	Right	W1-4-L	Left Reverse Curve	30	30	6.25				1	1	1
0010	373+15	Right	W13-1	Advisory Speed Plate (Yellow Back)	18	18	2.25	40	M.P.H.			1	
0010	373+15	Right	W1-2-R	Right Curve	30	30	6.25				1	1	1
0010	378+50	Left	W1-6-R	Night Arrow (Single)	48	24	8.00				1	1	1
0010	387+57	Right	W13-1	Advisory Speed Plate (Yellow Back)	18	18	2.25	45	M.P.H.			1	
0010	387+57	Right	W1-2-L	Left Curve	30	30	6.25				1	1	1
0010	395+02	Right	W1-2-R	Right Curve	30	30	6.25				1	1	1
0010	417+33	Right	W13-1	Advisory Speed Plate (Yellow Back)	18	18	2.25	50	M.P.H.			1	
0010	417+33	Right	W1-2-R	Right Curve	30	30	6.25				1	1	1
0010	439+33	Left	W14-3	No Passing Zone	48	36	6.00				1	1	1
0010	439+33	Right	W13-1	Advisory Speed Plate (Yellow Back)	18	18	2.25	40	M.P.H.			1	
0010	439+33	Right	W1-2-L	Left Curve	30	30	6.25				1	1	1
0010	447+31	Right	W1-6-L	Night Arrow (Single)	48	24	8.00				1	1	1
0010	452+36	Right	R1-1	Stop	30	30	5.18				1	1	1
0010	484+65	Left	W14-3	No Passing Zone	48	36	6.00				1	1	1
0010	486+59	Right	W13-1	Advisory Speed Plate (Yellow Back)	18	18	2.25	35	M.P.H.			1	
0010	486+59	Right	W1-4-L	Left Reverse Curve	30	30	6.25				1	1	1
0010	493+85	Right	W1-6-L	Night Arrow (Single)	48	24	8.00				1	1	1
0010	497+44	Right	S3-1	School Bus Stop Ahead	36	36	9.00				1	1	1
SUBTOTAL							384.48				47	57	47

3

PROJECT NO:8590-22-60

HWY:STH 40

COUNTY:SAWYER

MISCELLANEOUS QUANTITIES

SHEET

E

3

Category	Station	Side	Sign Code	Description	Width	Height	SIGNS			Sign Message	POSTS			REMOVING SIGNS TYPE II	REMOVING SMALL SIGN SUPPORTS
							REFLECTIVE TYPE II H	TYPE II H	TYPE II H		WOOD 4X6-INCH X 18-FT	WOOD 4X6-INCH X 18-FT	WOOD 4X6-INCH X 18-FT		
Northbound							SF	Line Order 1	Line Order 2	Line Order 3	EA	EA	EA		
0010	506+64	Left	W1-6-R	Night Arrow (Single)	48	24	8.00					1	1	1	
0010	518+56	Right	W13-1	Advisory Speed Plate (Yellow Back)	18	18	2.25	35	M.P.H.			1	1		
0010	518+56	Right	W1-4-R	Right Reverse Curve	30	30	6.25					1	1	1	
0010	524+50	Left	W1-6-R	Night Arrow (Single)	48	24	8.00					1	1	1	
0010	528+83	Right	W1-6-L	Night Arrow (Single)	48	24	8.00					1	1	1	
0010	550+87	Left	W14-3	No Passing Zone	48	36	6.00					1	1	1	
0010	587+00	Right	W3-5	Speed Limit _ Ahead [Arrow]	36	36	9.00	30				1	1	1	
0010	590+28	Right	W11-15	Recreational Trail Crossing (Word Message)	30	30	6.25	RECREATIONAL	TRAIL	XING		1	1	1	
0010	592+82	Right	I-2-3	Community Population Name Sign (with Number)	36	18	4.50	Radisson	Population 241			2	1	2	
0010	593+90	Right	R2-1	Speed Limit _ MPH	24	30	5.00	30				1	1	1	
0010	594+96	Right	R10-64	No Engine Braking Except in Emergency	30	36	7.50					1	1	1	
0010	597+26	Left	W14-3	No Passing Zone	48	36	6.00					1	1	1	
0010	597+88	Right	R1-1	Stop	30	30	5.18					1	1	1	
0010	603+74	Right	W5-52-R	Clearance Striper Down Right	12	36	3.00						1		
0010	603+81	Left	W5-52-L	Clearance Striper Down Left	12	36	3.00						1		
0010	607+28	Right	R2-1	Speed Limit _ MPH	24	30	5.00	30				1	1	1	
0010	609+77	Right	R1-1	Stop	30	30	5.18					1	1	1	
0010	612+60	Right	R2-1	Speed Limit _ MPH	24	30	5.00	30				1	1	1	
0010	612+85	Right	J1-1	Junction or End Assembly	24	39	6.50	END	40			1	1	1	
0010	613+38	Right	R1-1	Stop	30	30	5.18					1	1	1	
0010	613+43	Right	J1-2	Junction or End Assembly (2 Headed Panel)	48	39	13.00	JCT JCT	27 70			1	1	1	
0010	615+02	Left	W14-3	No Passing Zone	48	36	6.00					1	1	1	
0010	617+02	Right	R1-1	Stop	30	30	5.18					1	1	1	
0010	617+42	Right	W3-1	Stop Ahead	36	36	9.00					1	1	1	
0010	618+21	Right	D1-3	Triple Destination/Arrow	69	42	20.13	(LA) Hayward	(LA) Spooner	Fifield (RA)		2	1	2	
0010	620+49	Right	R1-1	Stop	36	36	7.46					1	1	1	
0010	620+50	Right	J13-2	Directional Without Cardinal	48	45	15.00	27 70	(DA) (DA)			2	1	2	
0010	620+58	Right	M1-5	County Route Marker	24	24	4.00	H					1		
0010	620+58	Right	M6-1-L	Directional Arrow	21	21	3.06					1	1	1	
Southbound															
0010	113+48	Right	R1-1	Stop	30	30	5.18					1	1	1	
0010	133+59	Left	W14-3	No Passing Zone	48	36	6.00					1	1	1	
0010	153+05	Right	R1-1	Stop	30	30	5.18					1	1	1	
0010	160+63	Right	W2-1	Cross Road	30	30	6.25					1	1	1	
0010	178+38	Right	W13-1	Advisory Speed Plate (Yellow Back)	18	18	2.25	45	M.P.H.			1	1		
0010	178+38	Right	SP	Any Special Sign	30	30	6.25	CAMPGROUND	ENTRANCE			1	1	1	
0010	183+87	Left	W14-3	No Passing Zone	48	36	6.00					1	1	1	
0010	203+00	Right	M1-6	State Route Marker	24	24	4.00	40					1		
0010	204+67	Right	M3-3	SOUTH Cardinal Route Marker	24	12	2.00						1		
0010	204+67	Right	D2-1	Destination/Distance (One) with Die Cut Letters	57	18	7.13	Bruce 16				1	1	1	
0010	206+56	Right	J3-3	Directional Assembly (3 Headed Panel)	72	57	28.50	NORTH EAST SOUTH	40 D 40	(LA) (UA) (RA)		2	1	2	
0010	206+56	Right	R1-1	Stop	36	36	7.46					1	1	1	
0010	207+12	Right	R1-1	Stop	36	36	7.46					1	1	1	
0010	207+95	Right	J3-3	Directional Assembly (3 Headed Panel)	72	57	28.50	EAST SOUTH WEST	D 40 48	(LA) (UA) (RA)		3	1	3	
0010	212+23	Right	D1-3	Triple Destination/Arrow	75	42	21.88	(UA) Bruce	Exeland (RA)	Birchwood (RA)		2	1	2	
0010	215+05	Right	J3-3	Directional Assembly (3 Headed Panel)	72	57	28.50	EAST SOUTH WEST	D 40 48	(LT) (UA) (RT)		2	1	2	
0010	218+02	Left	W14-3	No Passing Zone	48	36	6.00					1	1	1	
0010	220+40	Right	J1-2	Junction or End Assembly (2 Headed Panel)	48	39	13.00	JCT JCT	48 D			1	1	1	
0010	240+07	Right	W13-1	Advisory Speed Plate (Yellow Back)	18	18	2.25	45	M.P.H.				1		
0010	240+07	Right	W1-4-R	Right Reverse Curve	30	30	6.25					1	1	1	
0010	260+32	Right	W54-58	Church Entrance	30	30	6.25	CHURCH	ENTRANCE			1	1	1	
0010	285+73	Left	W1-6-R	Night Arrow (Single)	48	24	8.00					1	1	1	
0010	290+87	Right	W13-1	Advisory Speed Plate (Yellow Back)	18	18	2.25	35	M.P.H.				1		
0010	290+87	Right	W1-2-R	Right Curve	30	30	6.25					1	1	1	
0010	292+21	Right	S3-1	School Bus Stop Ahead	30	30	6.25					1	1	1	
0010	301+98	Right	W1-6-L	Night Arrow (Single)	48	24	8.00					1	1	1	
0010	308+00	Right	W1-6-L	Night Arrow (Single)	48	24	8.00					1	1	1	
0010	313+63	Right	W13-1	Advisory Speed Plate (Yellow Back)	18	18	2.25	35	M.P.H.				1		
0010	313+63	Right	W1-2-L	Left Curve	30	30	6.25					1	1	1	
SUBTOTAL							451.15					56	58	56	

PROJECT NO:8590-22-60

HWY: STH 40

COUNTY: SAWYER

MISCELLANEOUS QUANTITIES

SHEET

E

3

Category	Station	Side	Sign Code	Description	Width	Height	SIGNS		Sign Message				POSTS	REMOVING	REMOVING
							REFLECTIVE TYPE II H						WOOD 4X6-INCH X 18-FT	SIGNS TYPE II	SMALL SIGN SUPPORTS
							637.2210					634.0618	638.2602	638.3000	
Southbound							SF	Line Order 1	Line Order 2	Line Order 3		EA	EA	EA	
0010	325+00	Right	W13-1	Advisory Speed Plate (Yellow Back)	18	18	2.25	50	M.P.H.						
0010	325+00	Right	W1-2-L	Left Curve	30	30	6.25					1	1	1	
0010	342+65	Left	W1-6-R	Night Arrow (Single)	48	24	8.00					1	1	1	
0010	346+91	Right	W1-6-L	Night Arrow (Single)	48	24	8.00					1	1	1	
0010	352+98	Right	W13-1	Advisory Speed Plate (Yellow Back)	18	18	2.25	35	M.P.H.				1		
0010	352+98	Right	W1-4-L	Left Reverse Curve	30	30	6.25					1	1	1	
0010	369+19	Right	W13-1	Advisory Speed Plate (Yellow Back)	18	18	2.25	50	M.P.H.				1		
0010	369+19	Right	W1-4-L	Left Reverse Curve	30	30	6.25					1	1	1	
0010	379+00	Right	W1-6-L	Night Arrow (Single)	48	24	8.00					1	1	1	
0010	384+97	Right	W13-1	Advisory Speed Plate (Yellow Back)	18	18	2.25	40	M.P.H.				1		
0010	384+97	Right	W1-2-L	Left Curve	30	30	6.25					1	1	1	
0010	398+77	Right	W13-1	Advisory Speed Plate (Yellow Back)	18	18	2.25	45	M.P.H.				1		
0010	398+77	Right	W1-2-R	Right Curve	30	30	6.25					1	1	1	
0010	407+91	Right	R1-1	Stop	30	30	5.18					1	1	1	
0010	413+86	Right	W13-1	Advisory Speed Plate (Yellow Back)	18	18	2.25	50	M.P.H.				1		
0010	413+86	Right	W1-2-L	Left Curve	30	30	6.25					1	1	1	
0010	430+01	Right	W13-1	Advisory Speed Plate (Yellow Back)	18	18	2.25	50	M.P.H.				1		
0010	430+01	Right	W1-2-L	Left Curve	30	30	6.25					1	1	1	
0010	434+82	Left	W14-3	No Passing Zone	48	36	6.00					1	1	1	
0010	451+09	Left	W1-6-R	Night Arrow (Single)	48	24	8.00					1	1	1	
0010	457+20	Right	W13-1	Advisory Speed Plate (Yellow Back)	18	18	2.25	40	M.P.H.				1		
0010	457+20	Right	W1-2-R	Right Curve	30	30	6.25					1	1	1	
0010	460+63	Left	W14-3	No Passing Zone	48	36	6.00					1	1	1	
0010	499+00	Left	W1-6-R	Night Arrow (Single)	48	24	8.00					1	1	1	
0010	510+00	Right	W1-6-L	Night Arrow (Single)	48	24	8.00					1	1	1	
0010	515+15	Right	W13-1	Advisory Speed Plate (Yellow Back)	18	18	2.25	35	M.P.H.				1		
0010	515+15	Right	W1-4-L	Left Reverse Curve	30	30	6.25					1	1	1	
0010	517+79	Right	S3-1	School Bus Stop Ahead	36	36	9.00					1	1	1	
0010	526+23	Right	W1-6-L	Night Arrow (Single)	48	24	8.00					1	1	1	
0010	529+20	Left	W1-6-R	Night Arrow (Single)	48	24	8.00					1	1	1	
0010	535+22	Right	R1-1	Stop	30	30	5.18					1	1	1	
0010	536+92	Right	W13-1	Advisory Speed Plate (Yellow Back)	18	18	2.25	35	M.P.H.				1		
0010	536+92	Right	W1-4-R	Right Reverse Curve	30	30	6.25					1	1	1	
0010	538+29	Left	W14-3	No Passing Zone	48	36	6.00					1	1	1	
0010	561+66	Right	R1-1	Stop	30	30	5.18					1	1	1	
0010	580+10	Right	W5-1	Road Narrows	36	36	9.00					1	1	1	
0010	587+66	Right	R1-1	Stop	30	30	5.18					1	1	1	
0010	592+24	Right	M3-3	SOUTH Cardinal Route Marker	24	12	2.00						1		
0010	592+24	Right	M1-6	State Route Marker	24	24	4.00	40					1		
0010	592+24	Right	D2-1	Destination/Distance (One) with Die Cut Letters	57	18	7.13	Bruce 24				1	1	1	
0010	593+90	Right	R2-1	Speed Limit _ MPH	24	30	5.00	55				1	1	1	
0010	596+88	Left	W14-3	No Passing Zone	48	36	6.00					1	1	1	
0010	597+88	Right	R1-1	Stop	30	30	5.18					1	1	1	
0010	605+82	Left	W5-52-L	Clearance Striper Down Left	12	36	3.00						1		
0010	605+91	Right	W5-52-R	Clearance Striper Down Right	12	36	3.00						1		
0010	609+27	Right	R1-1	Stop	30	30	5.18					1	1	1	
0010	611+19	Right	J4-1	Reassurance Assembly (1 Headed Route Panel)	24	36	6.00	SOUTH	40			1	1	1	
0010	612+60	Left	W14-3	No Passing Zone	48	36	6.00						1		
0010	612+92	Right	R1-1	Stop	30	30	5.18					1	1	1	
0010	613+65	Right	W11-15	Recreational Trail Crossing (Word Message)	30	30	6.25	RECREATIONAL	TRAIL	XING		1	1	1	
0010	615+02	Right	R2-1	Speed Limit _ MPH	24	30	5.00	30					1		
0010	617+18	Right	R1-1	Stop	30	30	5.18					1	1	1	
0010	617+78	Right	R2-1	Speed Limit _ MPH	24	30	5.00	30				1	1	1	
SUBTOTAL							284.82					37.00	53.00	37.00	
TOTAL							1120.44					140.00	168.00	140.00	

PROJECT NO:8590-22-60

HWY:STH 40

COUNTY:SAWYER

MISCELLANEOUS QUANTITIES

SHEET

E

CATEGORY	TRAFFIC CONTROL DRUMS		TRAFFIC CONTROL BARRICADES		TRAFFIC CONTROL WARNING LIGHTS TYPE A		TRAFFIC CONTROL WARNING LIGHTS TYPE C		TRAFFIC CONTROL SIGNS		TRAFFIC CONTROL DETOUR SIGNS	
	643.0300		643.0420		643.0705		643.0715		643.0900		643.3000	
	#DRUMS		#BARR.		# LIGHTS		# LIGHTS		# SIGNS		# DETOUR SIGNS	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS	
0010	600	18,000	40	400	48	480	600	18,000	50	1,500	50	500
0010 TOTAL	18,000		400		480		18,000		1,500		500	

CATEGORY	STATION TO	STATION	SIDE	PAVEMENT	PAVEMENT	PAVEMENT	PAVEMENT	LOCATING	TEMPORARY	REMARKS
				MARKING	MARKING SAME	STOP	CROSSWALK		PAVEMENT	
				EPOXY	DAY EPOXY	LINE EPOXY	EPOXY	NO-PASSING	MARKING	
				4-INCH	4-INCH	18-INCH	6-INCH	ZONES	PAINT	
				646.0106	646.0406	647.0566	647.0766	648.0100	649.0402	
				LF	LF	LF	LF	MI	LF	
0010	100+00	- 608+50	LT	50850	-	-	-	-	-	WHITE, EDGELINE
0010	100+00	- 608+50	RT	50850	-	-	-	-	-	WHITE, EDGELINE
0010	100+00	- 114+10	LT/RT	353	353	-	-	0.27	2820	YELLOW, CL, DASHED
0010	114+10	- 123+60	LT/RT	1188	1188	-	-	0.18	1900	YELLOW, CL, DASHED LT, SOLID RT
0010	123+60	- 134+00	LT/RT	1300	1300	-	-	0.20	2080	YELLOW, CL, SOLID LT, DASHED RT
0010	134+00	- 144+10	LT/RT	1263	1263	-	-	0.19	2020	YELLOW, CL, DASHED LT, SOLID RT
0010	144+10	- 175+30	LT/RT	6240	6240	-	-	0.59	6240	YELLOW, CL, DOUBLE YELLOW
0010	175+30	- 184+00	LT/RT	1088	1088	-	-	0.16	1740	YELLOW, CL, SOLID LT, DASHED RT
0010	184+00	- 188+60	LT/RT	115	115	-	-	0.09	920	YELLOW, CL, DASHED
0010	188+60	- 198+60	LT/RT	1250	1250	-	-	0.19	2000	YELLOW, CL, DASHED LT, SOLID RT
0010	198+60	- 209+10	LT/RT	2100	2100	-	-	0.20	2100	YELLOW, CL, DOUBLE YELLOW
0010	209+10	- 218+10	LT/RT	1125	1125	-	-	0.17	1800	YELLOW, CL, SOLID LT, DASHED RT
0010	218+10	- 220+50	LT/RT	60	60	-	-	0.05	480	YELLOW, CL, DASHED
0010	220+50	- 230+00	LT/RT	1188	1188	-	-	0.18	1900	YELLOW, CL, DASHED LT, SOLID RT
0010	230+00	- 426+50	LT/RT	39300	39300	-	-	3.72	39300	YELLOW, CL, DOUBLE YELLOW
0010	426+50	- 434+80	LT/RT	1038	1038	-	-	0.16	1660	YELLOW, CL, SOLID LT, DASHED RT
0010	434+80	- 439+50	LT/RT	118	118	-	-	0.09	940	YELLOW, CL, DASHED
0010	439+50	- 447+40	LT/RT	988	988	-	-	0.15	1580	YELLOW, CL, DASHED LT, SOLID RT
0010	447+40	- 451+70	LT/RT	860	860	-	-	0.08	860	YELLOW, CL, DOUBLE YELLOW
0010	451+70	- 460+60	LT/RT	1113	1113	-	-	0.17	1780	YELLOW, CL, SOLID LT, DASHED RT
0010	460+60	- 484+70	LT/RT	603	603	-	-	0.46	4820	YELLOW, CL, DASHED
0010	484+70	- 494+00	LT/RT	1163	1163	-	-	0.18	1860	YELLOW, CL, DASHED LT, SOLID RT
0010	494+00	- 530+20	LT/RT	7240	7240	-	-	0.69	7240	YELLOW, CL, DOUBLE YELLOW
0010	530+20	- 538+30	LT/RT	1013	1013	-	-	0.15	1620	YELLOW, CL, SOLID LT, DASHED RT
0010	538+30	- 550+80	LT/RT	313	313	-	-	0.24	2500	YELLOW, CL, DASHED
0010	550+80	- 559+80	LT/RT	1125	1125	-	-	0.17	1800	YELLOW, CL, DASHED LT, SOLID RT
0010	559+80	- 590+40	LT/RT	6120	6120	-	-	0.58	6120	YELLOW, CL, DOUBLE YELLOW
0010	590+40	- 597+00	LT/RT	825	825	-	-	0.13	1320	YELLOW, CL, SOLID LT, DASHED RT
0010	597+00	- 603+50	LT/RT	813	813	-	-	0.12	1300	YELLOW, CL, DASHED LT, SOLID RT
0010	603+50	- 620+65	LT/RT	3430	3430	-	-	0.32	3430	YELLOW, CL, DOUBLE YELLOW
0010	603+50	- 620+65	LT/RT	-	-	24	1102	-	-	WHITE, SEE PLAN SHEETS
0010 TOTAL				185025	83325	24	1102	10	104130	

CATEGORY	STATION TO	STATION	CONSTRUCTION			
			CONSTRUCTION STAKING		CONSTRUCTION STAKING	
			STORM SEWER		GUTTER AND CURB & GUTTER	
			EA	LF	LF	LS
0010	100+00	- 620+65	-	-	52065	1
0010	608+00	- 620+65	-	2326	-	-
0010	616+50	- 617+50	4	-	-	-
0010 TOTAL			4	2326	52065	1



STA. 100+00 TO STA. 152+00 = 5200' NET & LENGTH

PROJECT NUMBER:	8590-22-60	HWY:	STH 40	COUNTY:	SAWYER	PLAN SHEET	SHEET NO:	E
-----------------	------------	------	--------	---------	--------	------------	-----------	---



STA. 152+00 TO STA. 207+00 = 5500' NET & LENGTH

PROJECT NUMBER:	8590-22-60	HWY:	STH 40	COUNTY:	SAWYER	PLAN SHEET	SHEET NO:	E
-----------------	------------	------	--------	---------	--------	------------	-----------	---



STA. 207+00 TO STA. 263+00 = 5600' NET & LENGTH

PROJECT NUMBER:	8590-22-60	HWY:	STH 40	COUNTY:	SAWYER	PLAN SHEET	SHEET NO:	E
-----------------	------------	------	--------	---------	--------	------------	-----------	---



STA. 314+00 TO STA. 368+00 = 5400' NET & LENGTH

PROJECT NUMBER:	8590-22-60	HWY:	STH 40	COUNTY:	SAWYER	PLAN SHEET	SHEET NO:	E
-----------------	------------	------	--------	---------	--------	------------	-----------	---







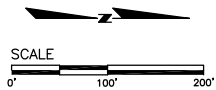
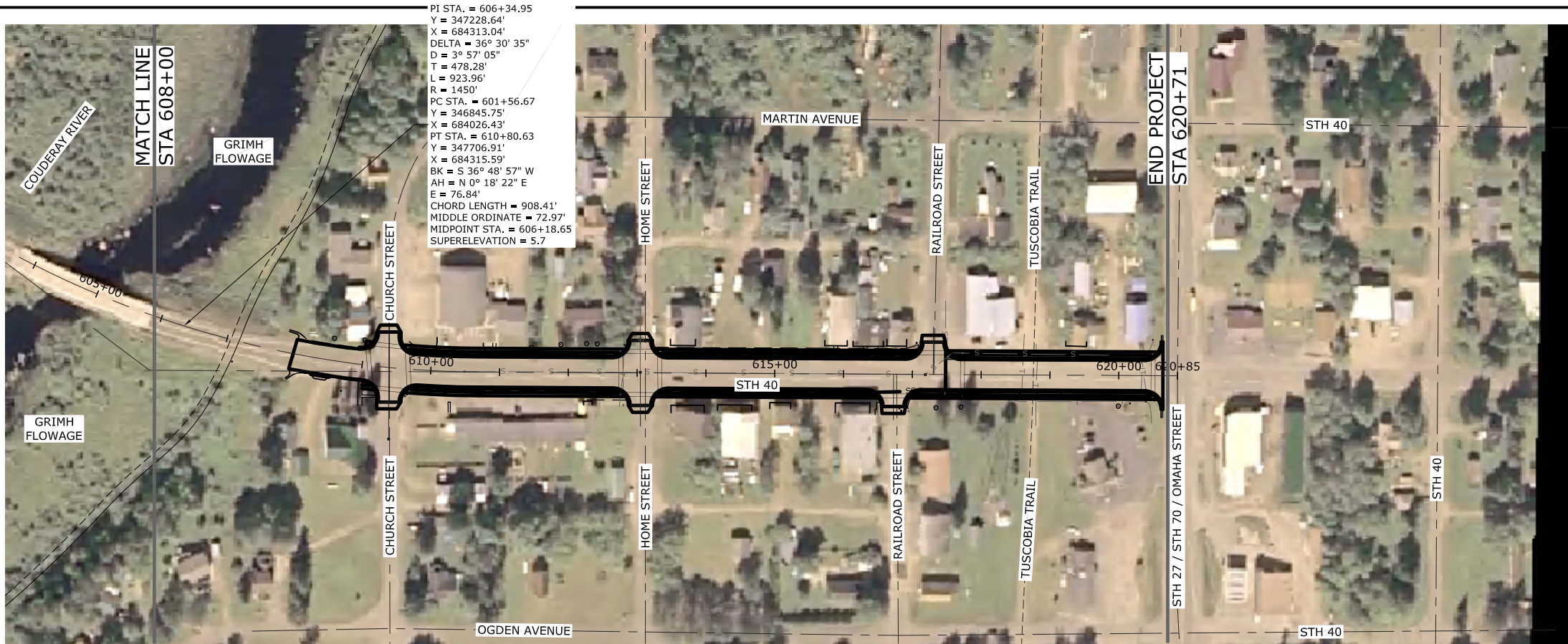
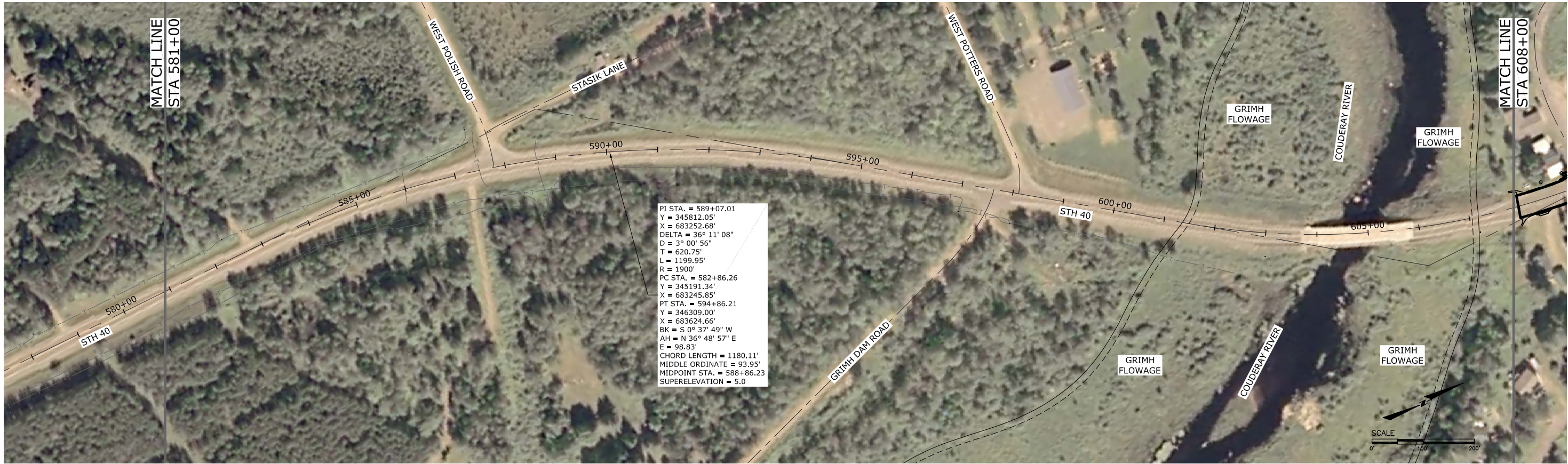
STA. 473+00 TO STA. 527+00 = 5400' NET & LENGTH

PROJECT NUMBER:	8590-22-60	HWY:	STH 40	COUNTY:	SAWYER	PLAN SHEET	SHEET NO:	E
-----------------	------------	------	--------	---------	--------	------------	-----------	---



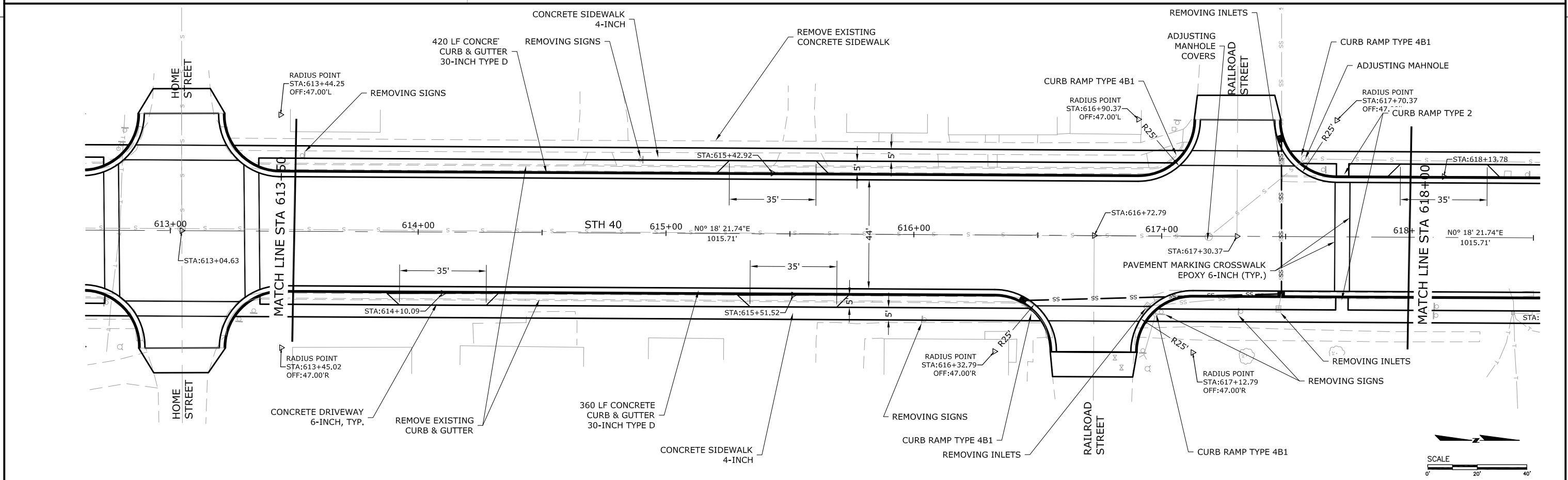
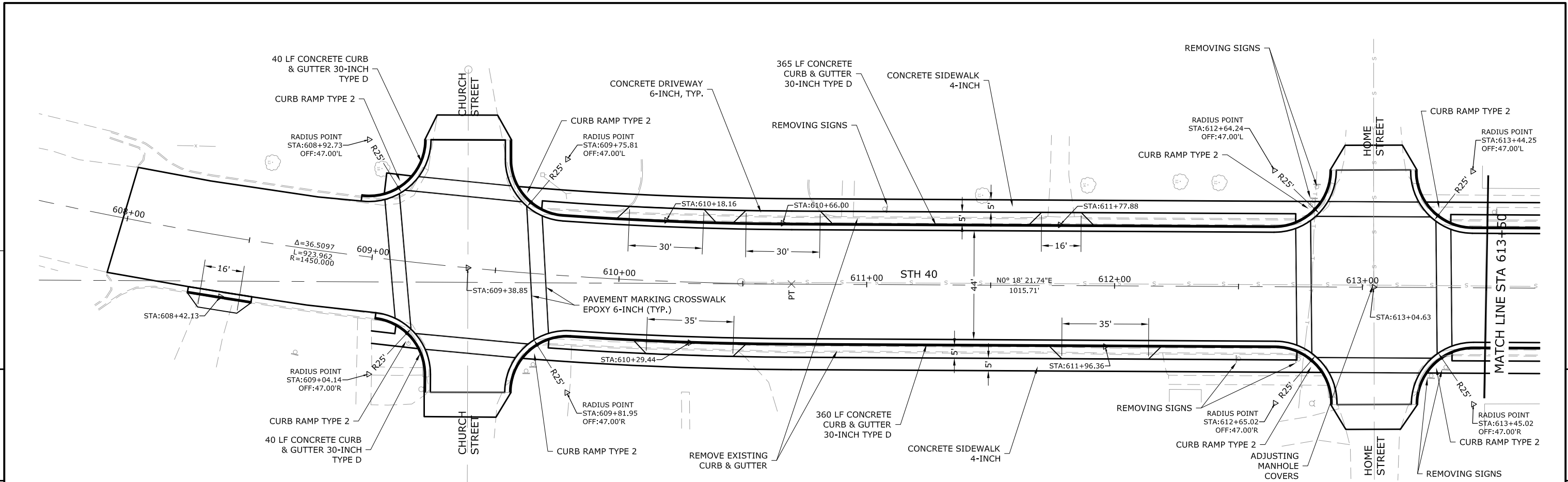
STA. 527+00 TO STA. 581+00 = 5400' NET & LENGTH

PROJECT NUMBER:	8590-22-60	HWY:	STH 40	COUNTY:	SAWYER	PLAN SHEET	SHEET NO:	E
-----------------	------------	------	--------	---------	--------	------------	-----------	---



STA. 581+00 TO STA. 620+96.34 = 3996.34' NET ϵ LENGTH

PROJECT NUMBER:	8590-22-60	HWY:	STH 40	COUNTY:	SAWYER	PLAN SHEET	SHEET NO:	E
-----------------	------------	------	--------	---------	--------	------------	-----------	---



PROJECT NUMBER:	8590-22-60	HWY:	STH 40	COUNTY:	SAWYER	PLAN SHEET	SHEET NO:	E
-----------------	------------	------	--------	---------	--------	------------	-----------	---

