ESALS

NWL MAY 2016

ORDER OF SHEETS

Section No. 1 Section No. 2 Typical Sections and Details Estimate of Quantities Section No. 3 Miscellaneous Quantitles

Right of Way Plat Section No. 4 Section No. 5 Plan and Profile

Section No. 6 Standard Detail Drawings

Section No. 7 Sign Plates

Section No. 9 Computer Earthwork Data

Section No. 9 Cross Sections

TOTAL SHEETS = 112



DESIGN DESIGNATION

(PULVERIZE & RELAY)

A.A.D.T. 2014 A.A.D.T. 2034 D.H.V. 2034 D.D. = 115 = 60/40

= 60/40 = 3.6 = 3.6 DESIGN SPEED

CONVENTIONAL SYMBOLS

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 COMBUSTIBLE FLUIDS

MARSH AREA

WOODED OR SHRUB AREA

UTILITIES ELECTRIC FIBER OPTIC GAS SANITARY SEWER STORM SEWER TELEPHONE WATER UTILITY PEDESTAL POWER POLE TELEPHONE POLE

(RECONSTRUCTION) (STA. 221+50 - 243+00)

PROFILE

GRADE LINE

ORIGINAL GROUND

SPECIAL DITCH

GRADE ELEVATION

MARSH OR ROCK PROFILE

CULVERT (Profile View)

X

0

(To be noted as such)

= 115 = 125

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

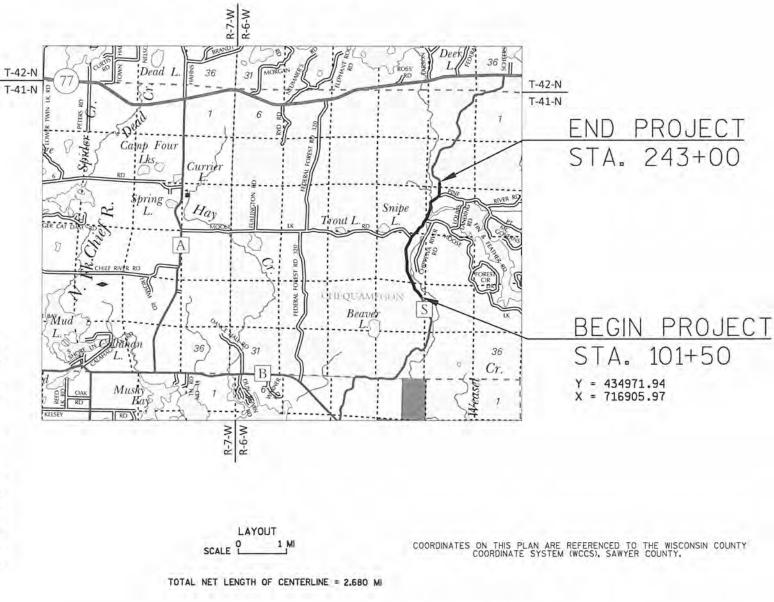
PLAN OF PROPOSED IMPROVEMENT

CTH B - STH 77 (FH 41)

MOOSE LAKE ROAD TO PINE POINT ROAD

CTH S **SAWYER COUNTY**

STATE PROJECT NUMBER 8780-00-70



FEDERAL PROJECT

CONTRACT

PROJECT

WISC 2016188

STATE PROJECT

8780-00-70

GENERAL NOTES

COORDINATES ON THIS PLAN ARE REFERENCED TO THE SAWYER COUNTY COORDINATE SYSTEM AND SHALL BE INDICATED BY X AND Y.

ALL RADII DIMENSIONS ON THE PLAN ARE TO THE EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

EXCAVATION BELOW SUBGRADE (EBS) IS NOT USED TO BALANCE YARDAGE AND IS NOT SHOWN ON THE CROSS SECTIONS BUT IS MEASURED AS COMMON EXCAVATION. THE LOCATION OF EBS WILL BE DETERMINED BY THE ENGINEER.

EROSION CONTROL DETAILS AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD

MISCELLANEOUS REMOVAL ITEMS SHALL BE REMOVED TO AN EXISTING JOINT OR SAWCUT WHERE SHOWN ON THE PLANS.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED AND MULCHED.

THE LOCATIONS OF DRIVEWAYS WILL BE DETERMINED BY THE ENGINEER.

THE 3-1/2" ASPHALTIC PAVEMENT SHALL BE PLACED IN TWO LAYERS. THE LOWER LAYER SHALL BE CONSTRUCTED AT A DEPTH OF 1-3/4" (12,5mm AGGREGATE) AND THE UPPER LAYER AT 1-3/4" (12,5mm AGGREGATE).

TACK COAT HAS BEEN ESTIMATED AT AN APPLICATION RATE OF 0.05 GALLONS PER SQUARE YARD AND SHALL BE PLACED BETWEEN LAYERS OF ASPHALTIC PAVEMENT.

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE, THERE MAY BE OTHER UTILITY
INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE

LIST OF STANDARD ABBREVIATIONS

ABUT ABUTMENT AGG ASPH AGGREGATE ASPHALTIC AVG

AVERAGE DAILY TRAFFIC ADT ВM BENCHMARK

BR BRIDGE OR C/L CENTER LINE COMMERCIAL ENTRANCE

CE CONC CONCRETE CABC CRUSHED AGGREGATE BASE COURSE

CY OR CUYD CUBIC YARD CULV C & G CULVERT CURB AND GUTTER

DESIGN HOURLY VOLUME DWY DRIVEWAY

EL OR ELEV FI FVATION

ESALS EQUIVALENT SINGLE AXLE LOADS EBS EXCAVATION BELOW SUBGRADE

FACE TO FACE FLOW LINE FL OR F/L HUNDREDWEIGHT HYD HYDRANT INCH DIAMETER IN DIA LEFT-HAND FORWARD LHF LENGTH OF CURVE

LONG CHORD OF CURVE MANHOLF. ML OR M/L MATCHLINE NORMAL CROWN POINT OF CURVATURE
POINT OF INTERSECTION POINT OF TANGENCY PVC PCC POLYVINYL CHLORIDE PORTLAND CEMENT CONCRETE POUNDS PER SQUARE INCH

PSI PE PRIVATE ENTRANCE PL PROPERTY LINE RADIUS

REINF REINFORCING OR REINFORCEMENT RHF RIGHT-HAND FORWARD

R/W RIGHT-OF-WAY SHLDR SHOULDER SW SF OR SQ FT SY OR SQ YD SIDEWALK SQUARE FEET

SQUARE YARD SDD STANDARD DETAIL DRAWINGS

STA SUPERFLEVATION TEMPORARY INTEREST

DESIGN CONTACT

GARY T. COLBERT NORTHERN WISCONSIN BASED ENGINEERS, INC. P.O. BOX 328 HAYWARD, WI 54843 PHONE: (715) 634-4334 FAX: (715) 634-6434

SAWYER COUNTY CONTACT

GARY GEDART SAWYER COUNTY HIGHWAY COMMISSIONER 14688W COUNTY ROAD "B" HAYWARD, WI 54843 PHONE: (715) 634-3789 EMAIL: highway@sawyercountygov.org

WDNR CONTACT WDNR - NORTHERN REGION

ATTN: SHAWN HASELEU 810 WEST MAPLE STREET SPOONER. WI 54801 PHONE: (715) 635-4227 EMAIL: shawn.haseleu@wisconsin.gov

WISDOT CONTACT

NW REGION LOCAL PROGRAM MANAGEMENT CONSULTANT ATTN: RYAN B. MCKANE, P.E. KNIGHT E/A INC.
700 N THIRD ST., SUITE 104
LA CROSSE, WI 54601 PHONE: (608) 519-1455 EXT #2 FAX: (608) 519-1456 EMAIL: RMCKANE@KNIGHTEA.COM

UTILITIES

CENTURYLINK ATTN: BRIAN HUHN P.O. BOX 78 HAWKINS, WI 54530 PHONE: (715) 532-0023 EMAIL: BRIAN.HUHN@CENTURYLINK.COM

JUMP RIVER ELECTRIC ATTN: SAM HOWARD

13895W COUNTY ROAD "B" HAYWARD, WI 54843 PHONE: (715) 415-0539 EMAIL: SHOWARD@JREC.NET

PAVEMENT CORE LOG							
CORE NO.	STATION	OFFSET	ASPHALT DEPTH	REMARKS			
B-1	108+02	6.6' RT	2"				
B-2	140+09.4	4.8' LT	4"				
B-3	160+27.6	8.3' RT	4"				
B-4	186+86.8	7.1' LT	9"	LOWER 5" APPEARS TO HAVE BEEN MILLED			
B - 5	201+45.9	4.9' RT	3"				
B-6	225+43.4	0.9' LT	4"				
B-5	201+45.9	4.9' RT	3"	LOWER 5" APPEARS TO HAVE BEEN M			

PROJECT NO:8780-00-70

HWY: CTH S

COUNTY: SAWYER

PLAN: GENERAL NOTES

E SHEET

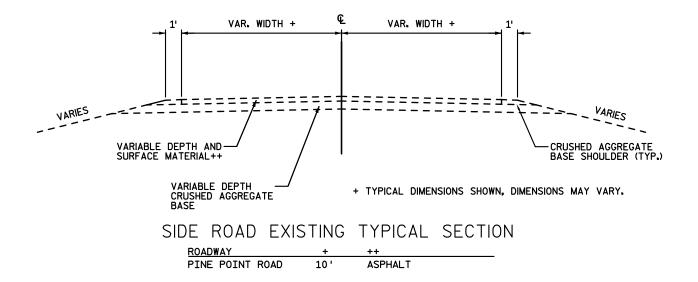
FILE NAME: W:\NWBE_PROJECTS\DESIGN\0621_CTH_S\C3D_12\020101_GN.DWG

PLOT DATE: 1/14/2016 3:43 PM

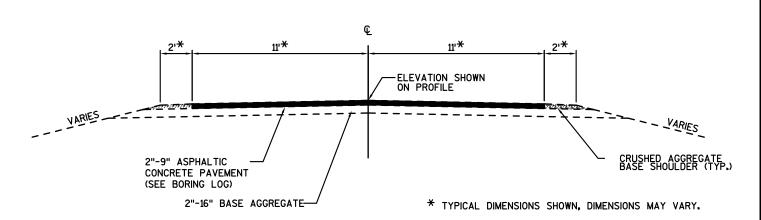
PLOT NAME :

www.DiggersHotline.com

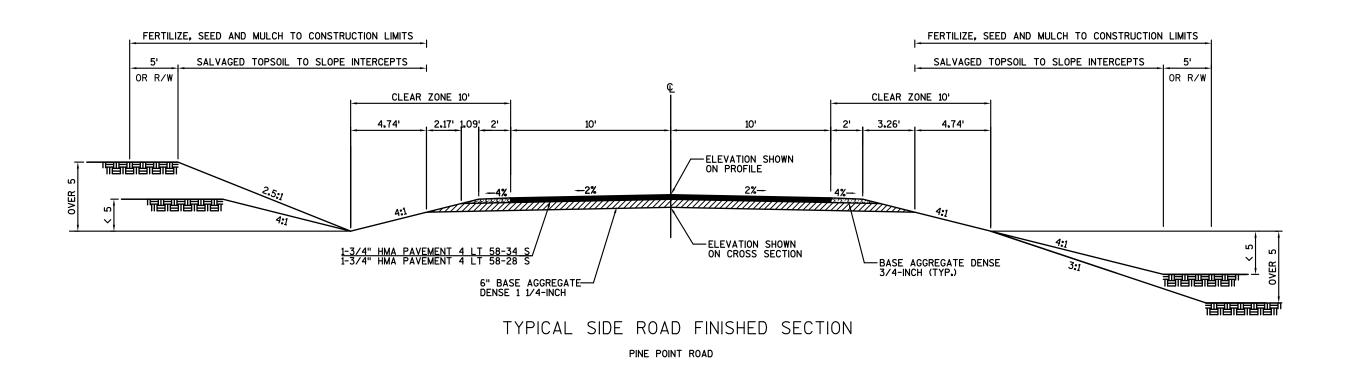




HWY: CTH S



CTH S EXISTING TYPICAL SECTION STA. 101+50 - 243+00



FILE NAME : W:\NWBE_PROJECTS\DESIGN\0621_CTH_S\C3D_12\020301_TS.DWG

PROJECT NO:8780-00-70

PLOT DATE: 1/27/2016 12:17 PM

COUNTY: SAWYER

PLOT NAME :

PLOT SCALE : 1 IN:6 FT

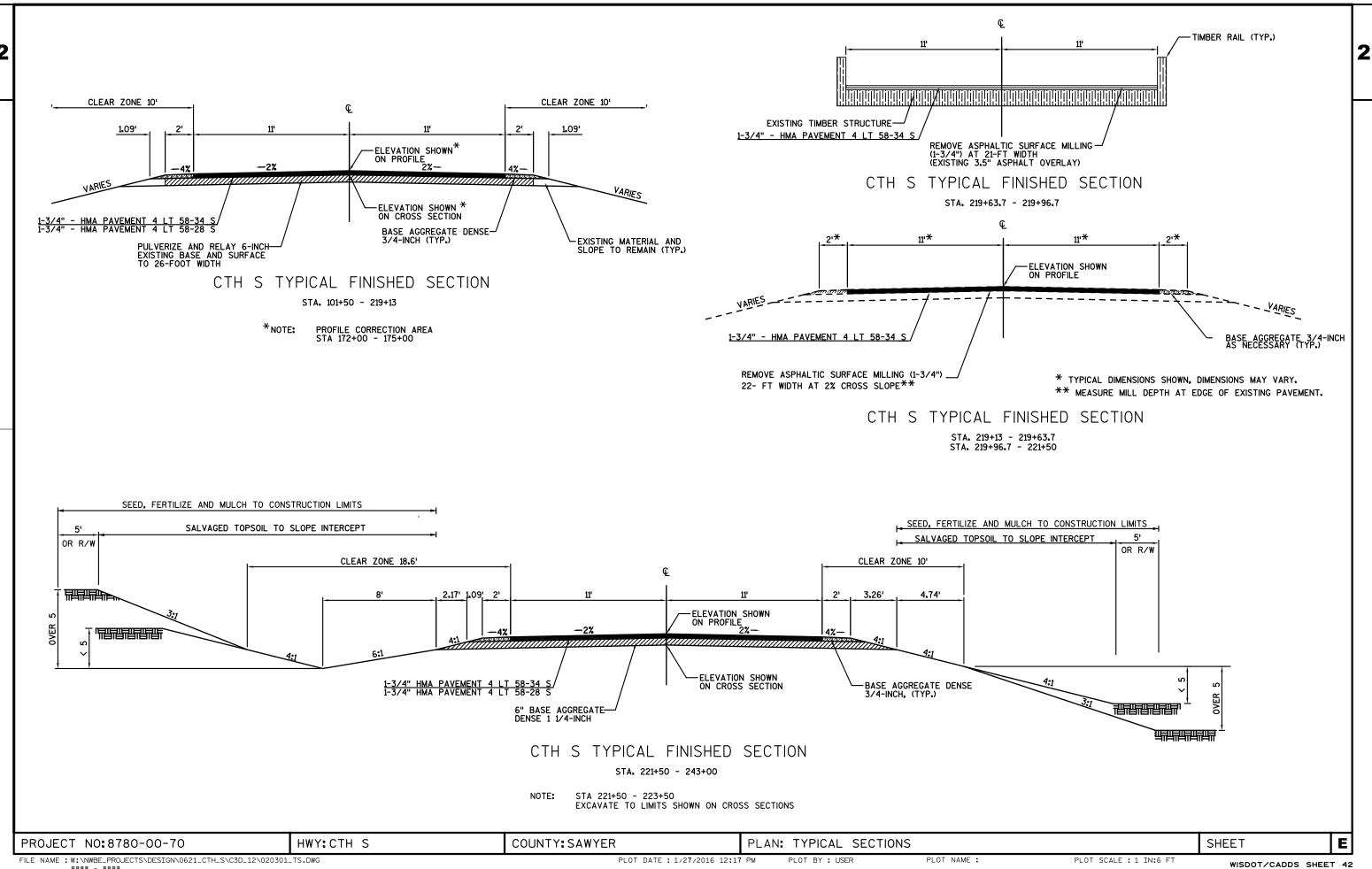
WISDOT/CADDS SHEET 42

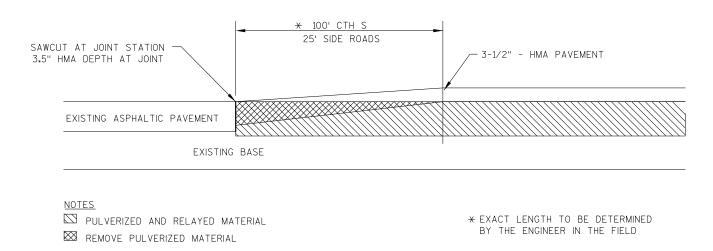
E

SHEET

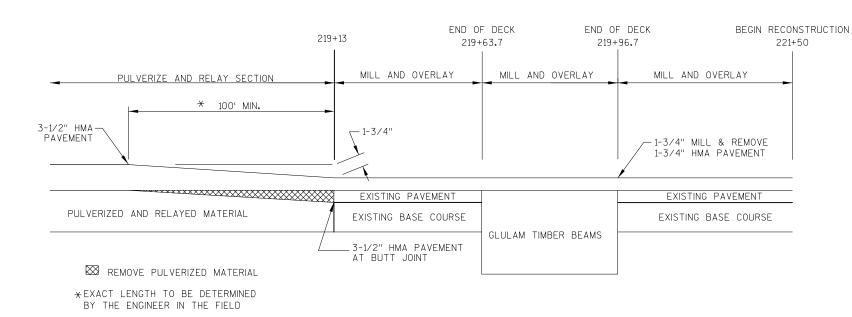
PLOT BY : USER

PLAN: TYPICAL SECTIONS





PULVERIZE AND RELAY JOINT DETAIL



TRANSITION DETAIL AT STRUCTURE

TEAL RIVER BRIDGE

PULVERIZE & RELAY EXISTING PAVEMENT AND BASE

NOTES:

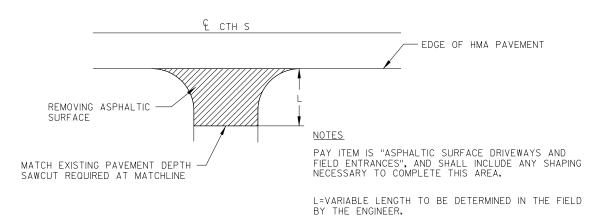
SIDE ROAD PAVEMENT DEPTH 3.5" AT SAWCUT.

MATCH EXISTING PAVED SURFACE RADII AND TAPERS
UNLESS NOTED OTHERWISE ON PLAN SHEETS.

RESTORE TO END OF LONGEST RADIUS (EXACT LOCATION OF
JOINT TO BE DETERMINED BY THE ENGINEER IN THE FIELD).

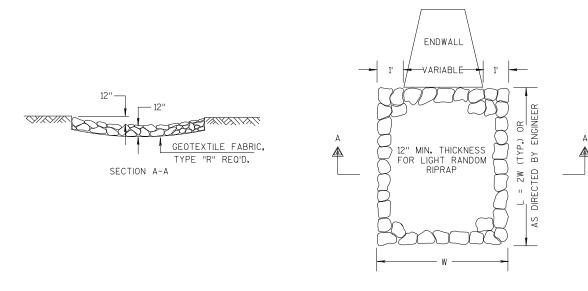
SIDE ROAD PAVING DETAIL

MOOSE LAKE ROAD (WEST JUNCTION)

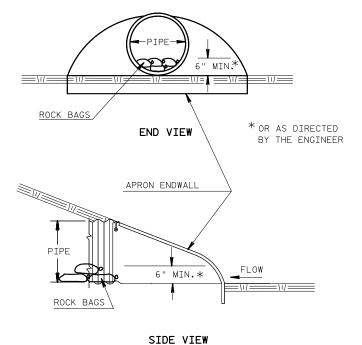


DRIVEWAY PAVING DETAIL

PROJECT NO: 8780-00-70 HWY: CTH S COUNTY: SAWYER PLAN: CONSTRUCTION DETAILS SHEET **E**



LIGHT RIPRAP TREATMENT AT CULVERTS



CULVERT PIPE CHECKS

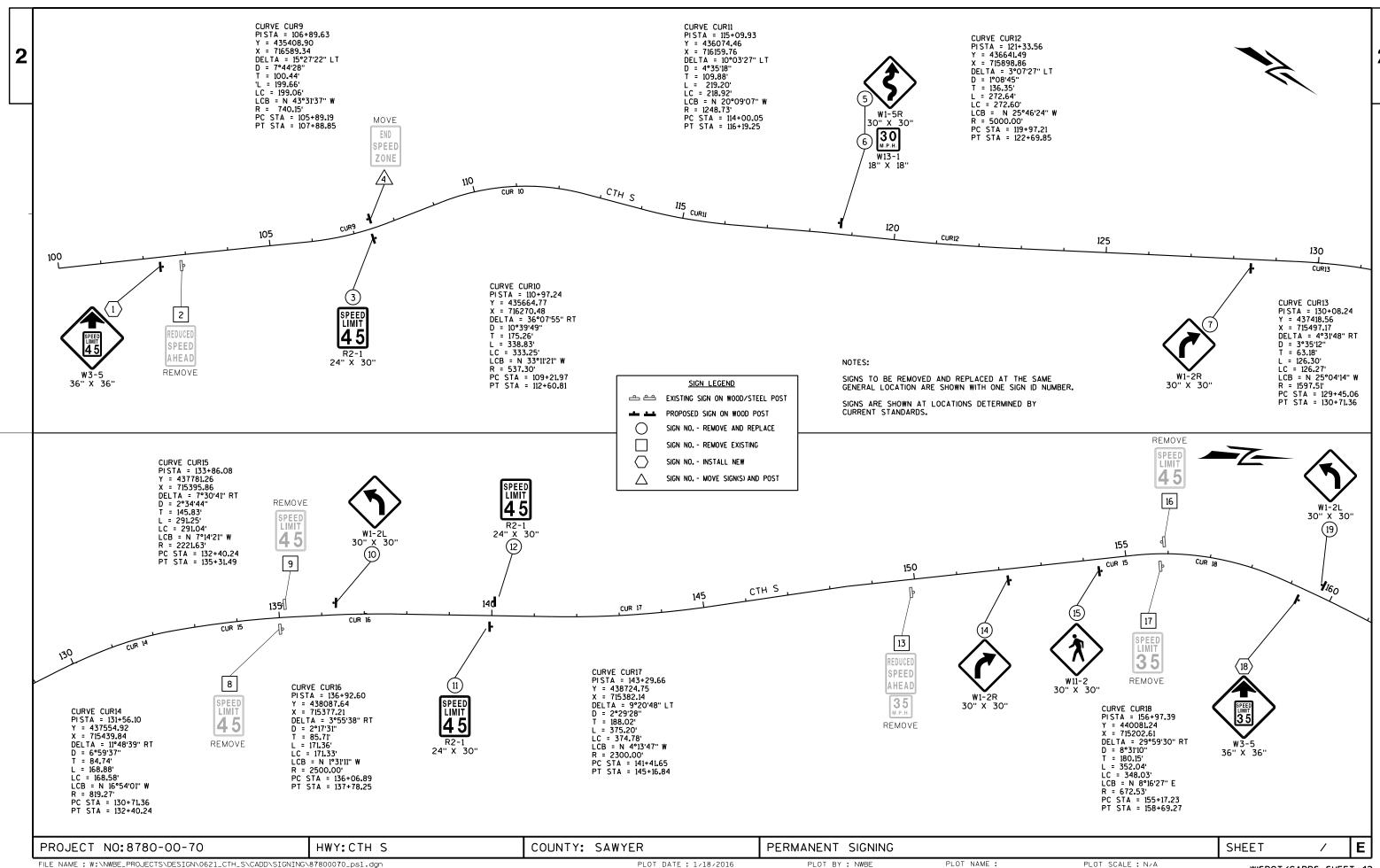
RUNOFF COEFFICIENT TABLE

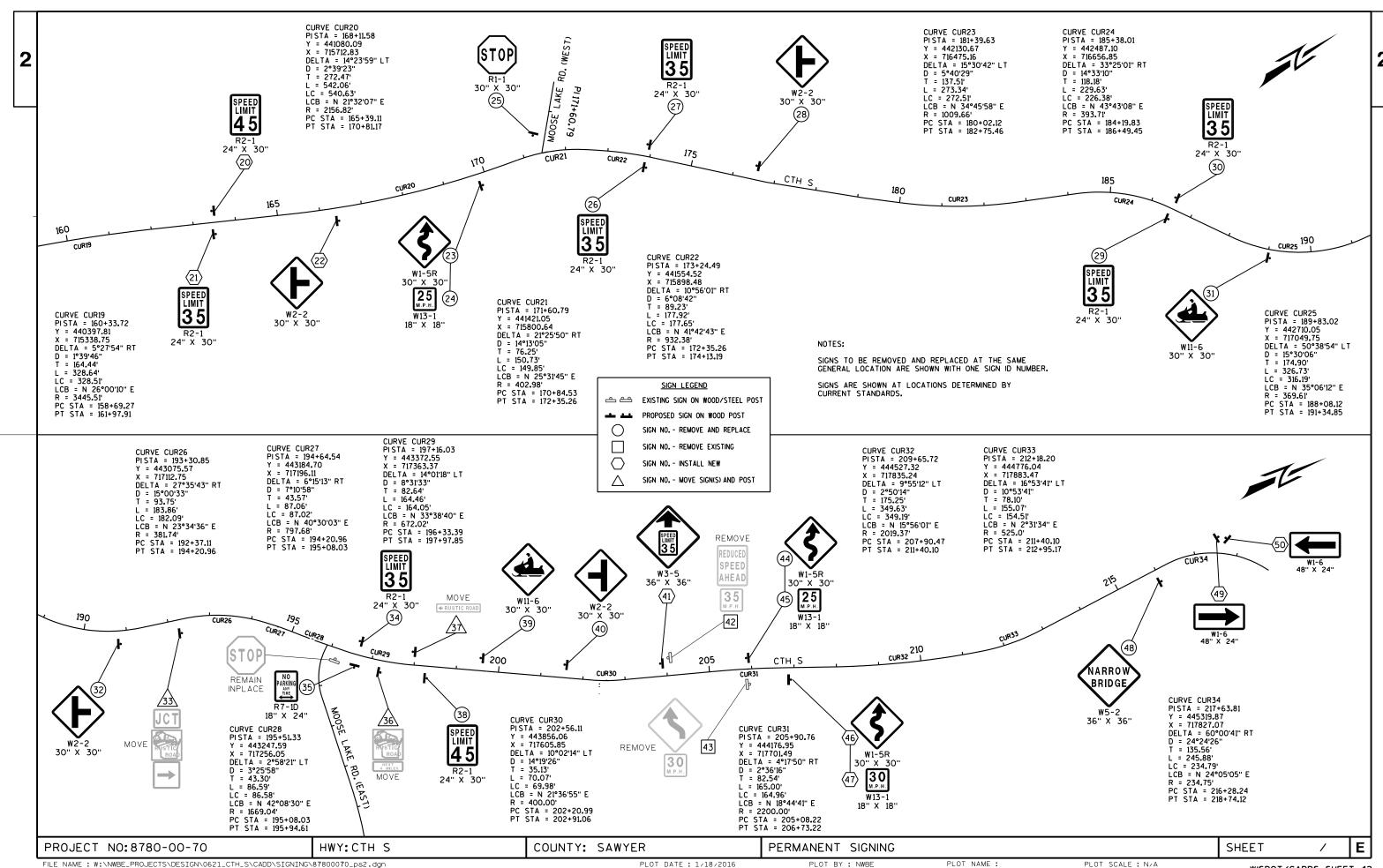
	HYDROLOGIC SOIL GROUP											
		А			Е	3		C	;		D	
	SL0PE	RANGE	(PERCENT)	SLOPE	RANGE	(PERCENT)	SLOPE	RANGE	(PERCENT)	SLOPE	RANGE	E (PERCEI
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVE
ROW CROPS	.08	.16 .30	.22	.12	.20 .34	.27	.15	.24 .37	.33	.19	.28	.38 .56
MEDIAN STRIP- TURF	.19	.20	.24	.19	.22	.26	.20	.23	.30	.20	.25	.30
SIDE SLOPE- TURF			.25			.27			.28			.30
PAVEMENT:			ı			ı	'			'		'
ASPHALT						.7095						
CONCRETE						.8095						
BRICK						.7080						
DRIVES, WALKS						.7585						
ROOFS						.7595						
GRAVEL ROADS,	SHOULDE	RS				.4060						

TOTAL PROJECT AREA = 12.9 ACRES (INCLUDING R/W ACQUISITIONS)
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 11.4 ACRES (INCLUDING ROADWAYS)

WISDOT/CADDS SHEET 42

E PROJECT NO:8780-00-70 HWY: CTH S COUNTY: SAWYER PLAN: CONSTRUCTION DETAILS SHEET PLOT NAME : PLOT SCALE : 1 IN:20 FT

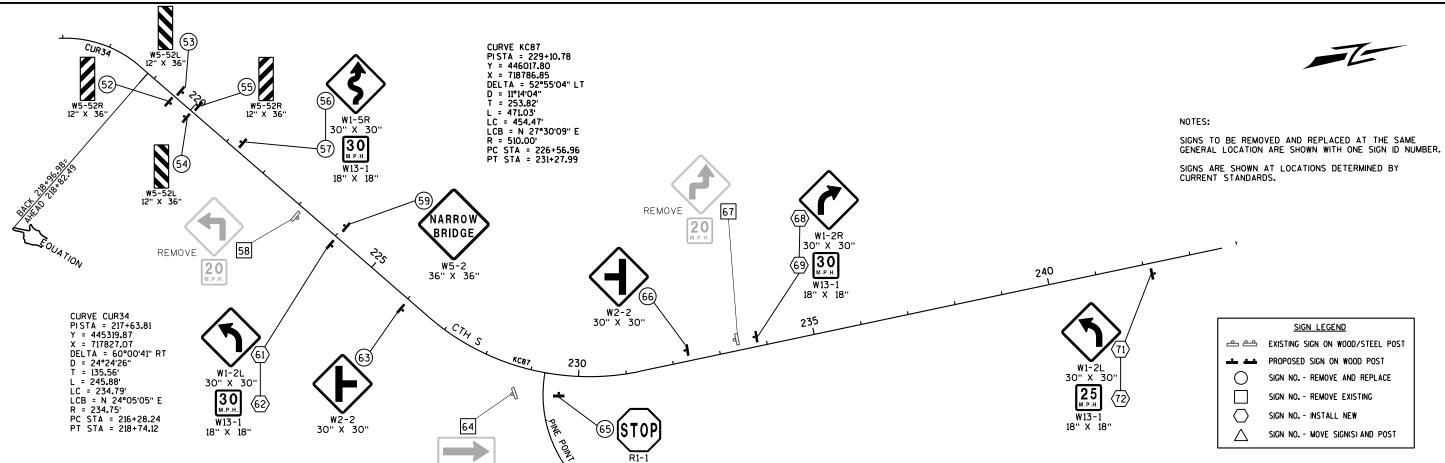




2







30" X 30"

REMOVE

Ε PROJECT NO:8780-00-70 COUNTY: SAWYER PERMANENT SIGNING SHEET HWY: CTH S

2

PLOT BY : NWBE

GENERAL TRAFFIC CONTROL NOTES

ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD).

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

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

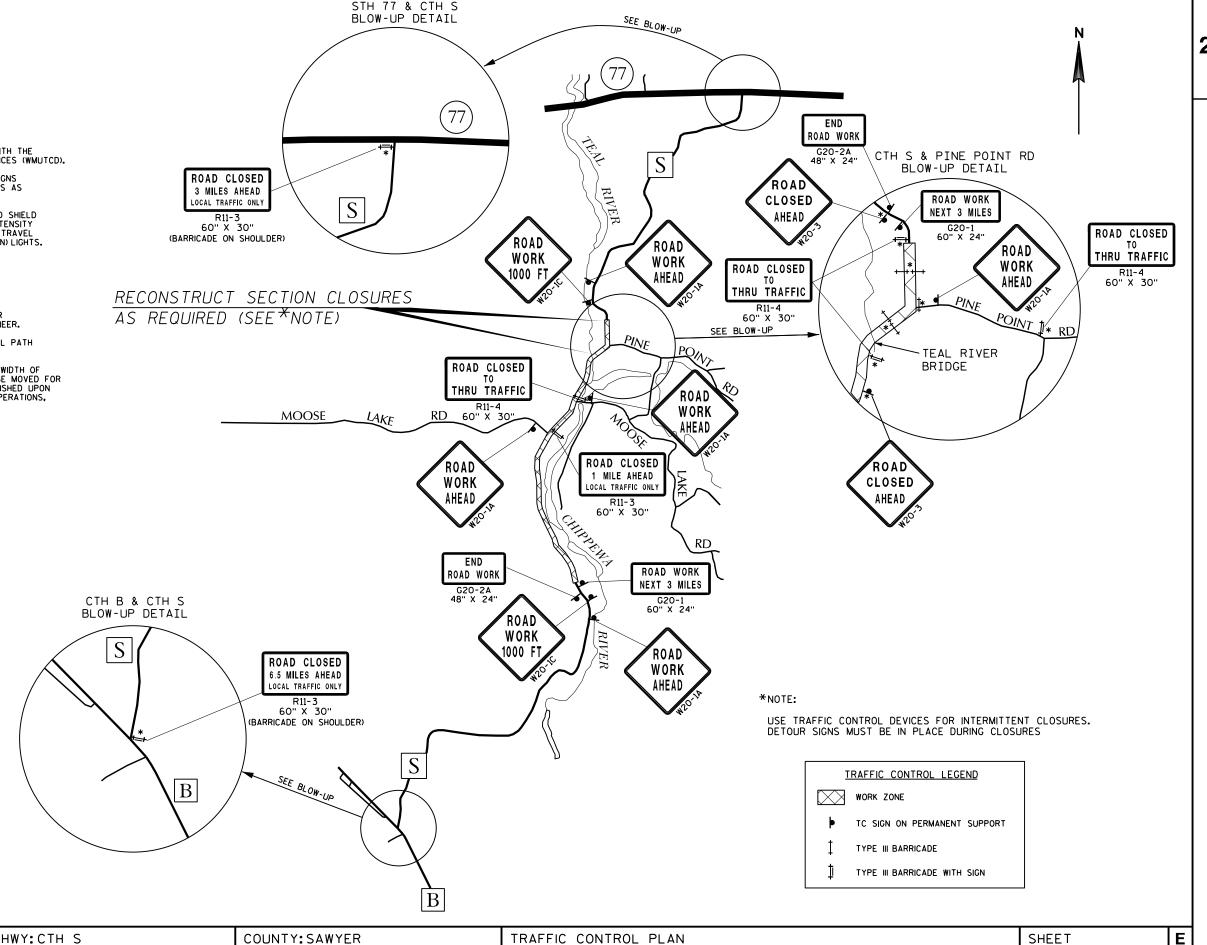
"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND SHALL BE ORANGE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL IN USE' SHALL BE COVERED OR REMOVED AS NEEDED AND AS APPROVED BY THE ENGINEER.

PAVEMENT MARKINGS NOT APPROPRIATE TO THE TRAVEL PATH SHALL BE REMOVED.

ALL TYPE III BARRICADES SHALL HAVE AN EQUIVALENT WIDTH OF 8 FEET. BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.



PROJECT NO:8780-00-70

PLOT BY : NWBE

NOTES:

DRAWING NOT TO SCALE. ALL SIGNS & POSTS ON THIS SHEET SHALL BE PAID FOR WITH 'TRAFFIC CONTROL SIGNS' BID ITEM.

ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD).

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE. ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE, INCLUDING PRE-EXISTING SIGNING IN THE VICINITY, SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.

REMOVE OR COVER WO8-12 AND R4-1 SIGNS IMMEDIATELY FOLLOWING PLACEMENT OF TEMPORARY OR SAME-DAY PAVEMENT MARKINGS.

PLACE ADDITIONAL SIGNS NEAR PINE POINT & MOOSE LAKE ROAD INTERSECTIONS OR AS DIRECTED BY THE ENGINEER.

LINE

DO
NOT
PASS
R4-1
24" X 30"

-END PROJECT

NO CENTER LINE

NOT Pass

24" X 30"

BEGIN PROJECT -

PLACE ADDITIONAL SIGNS NEAR MOOSE LAKE ROAD INTERSECTIONS OR AS DIRECTED BY THE ENGINEER.

TRAFFIC CONTROL LEGEND

TC SIGN ON PERMANENT SUPPORT

DETAIL FOR SIGNING ON GRAVEL SURFACES

PROJECT NO:8780-00-70

HWY: CTH S

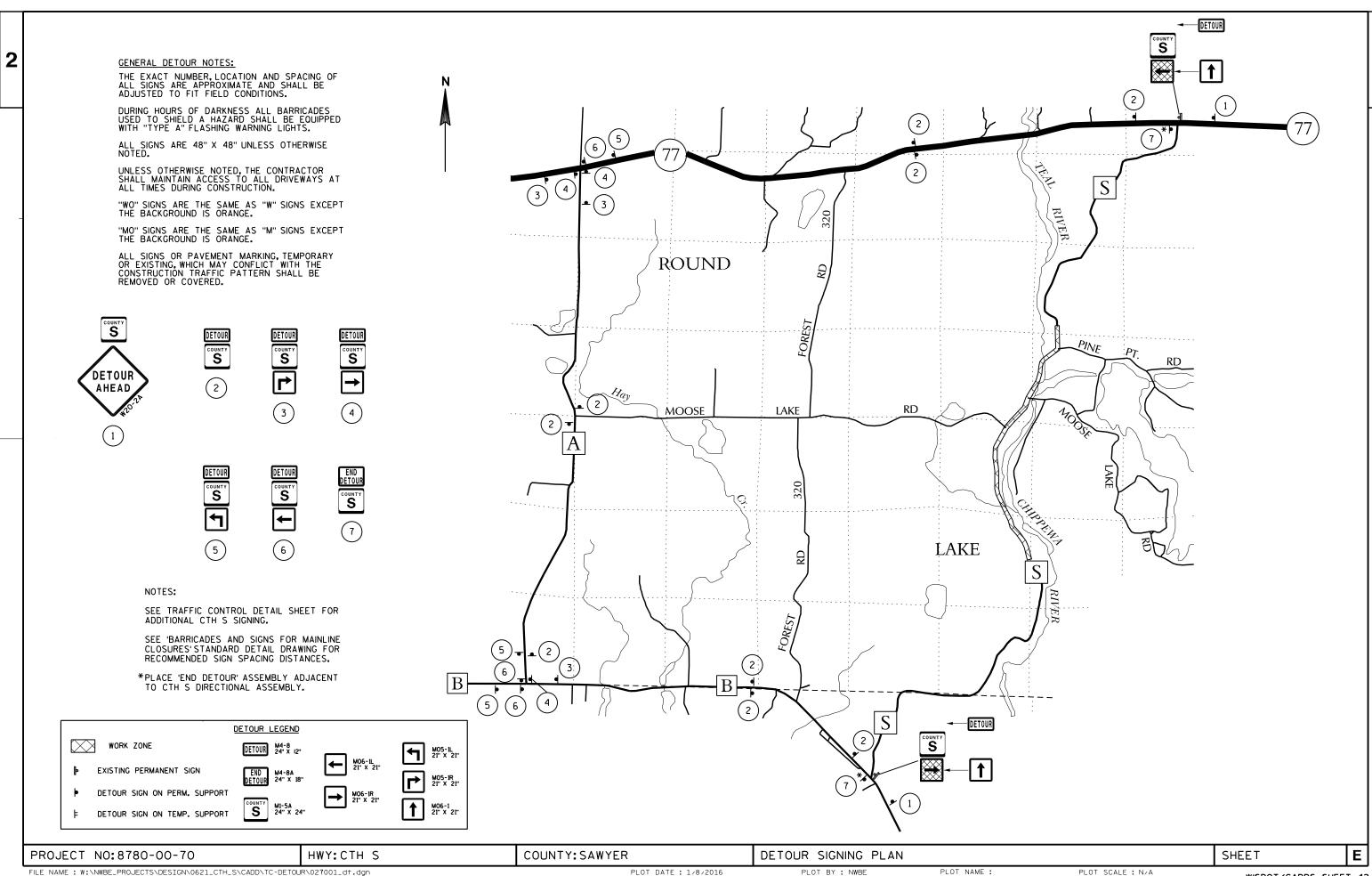
COUNTY: SAWYER

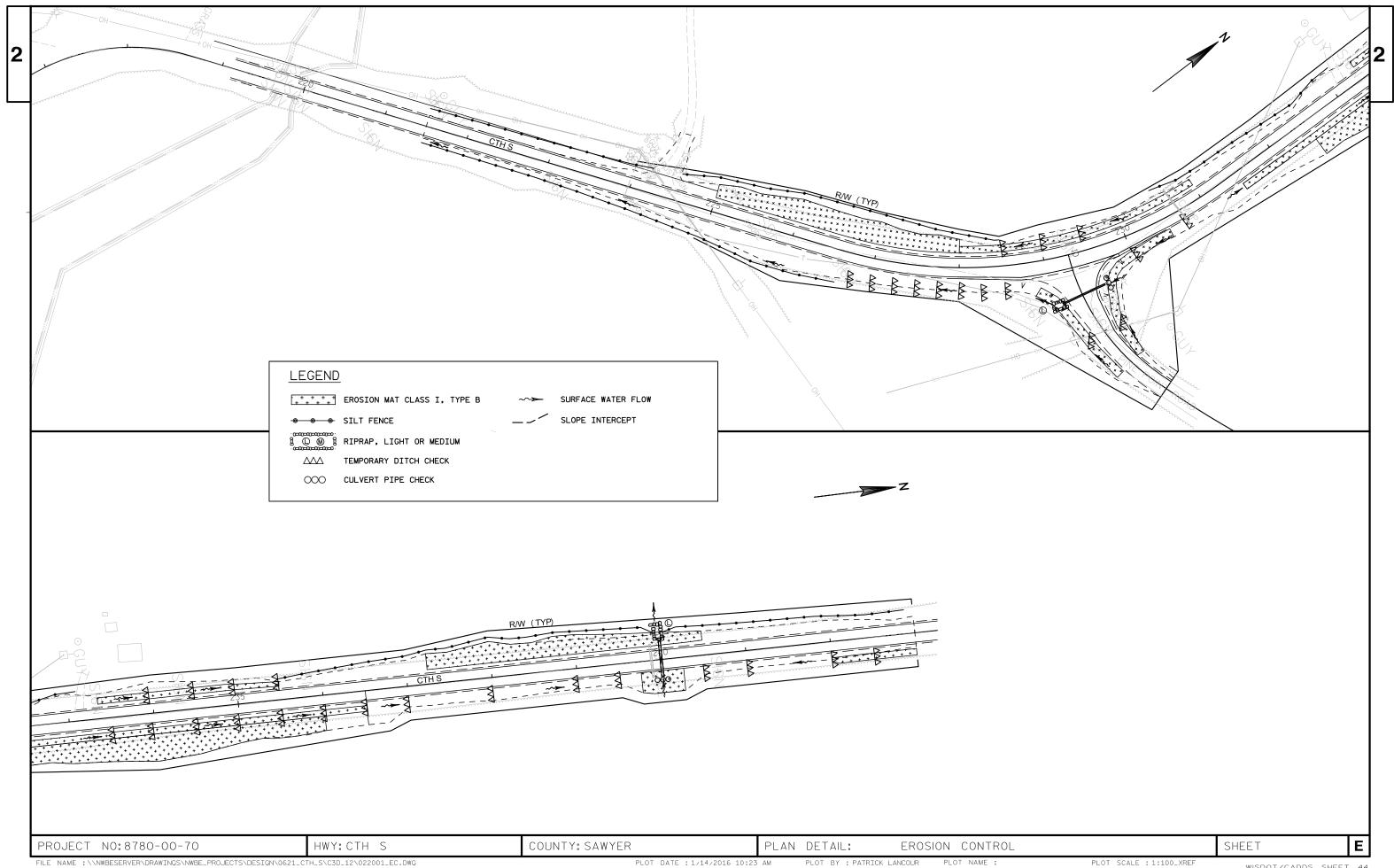
TRAFFIC CONTROL DETAIL

SHEET

PLOT

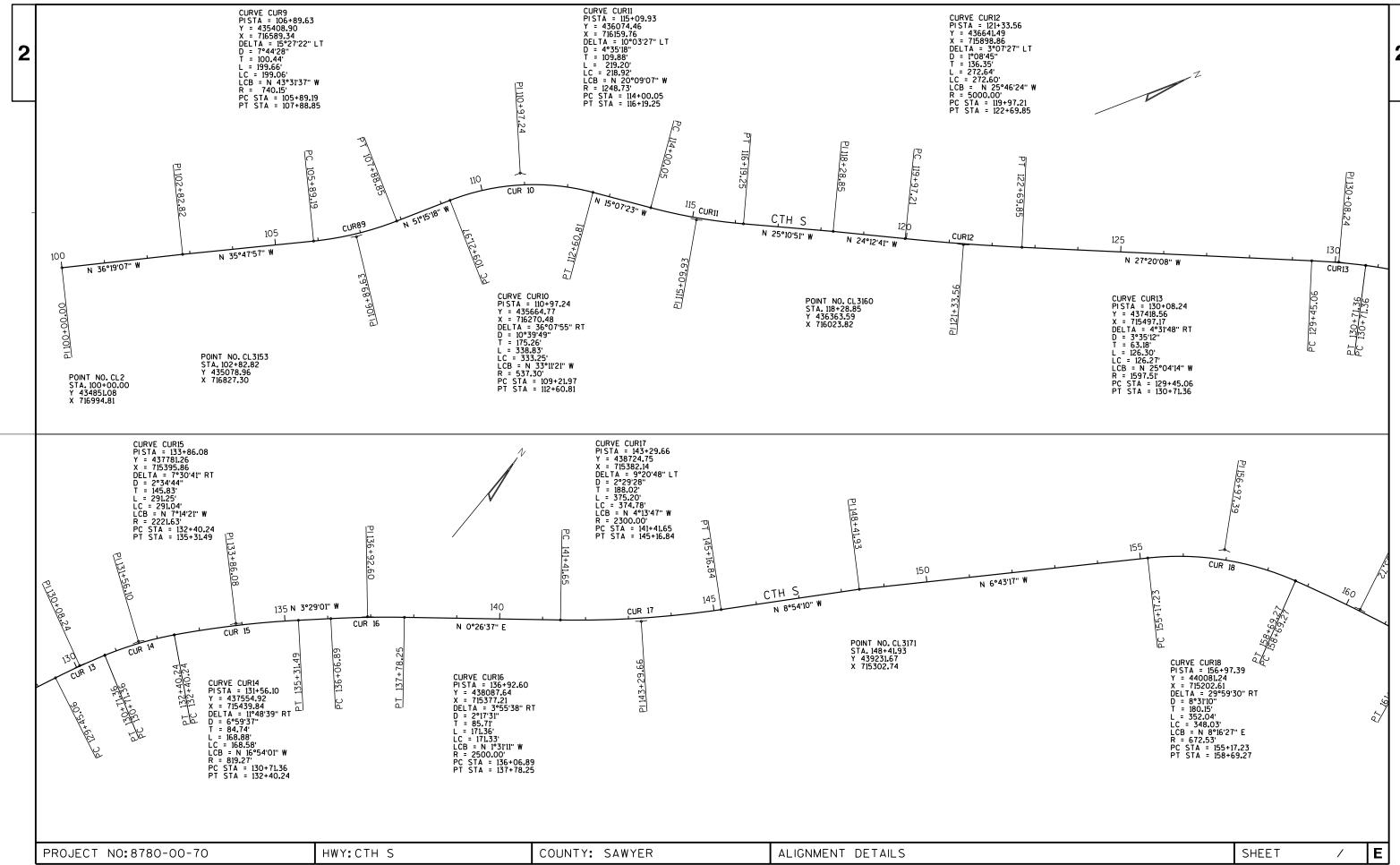
JIILL I

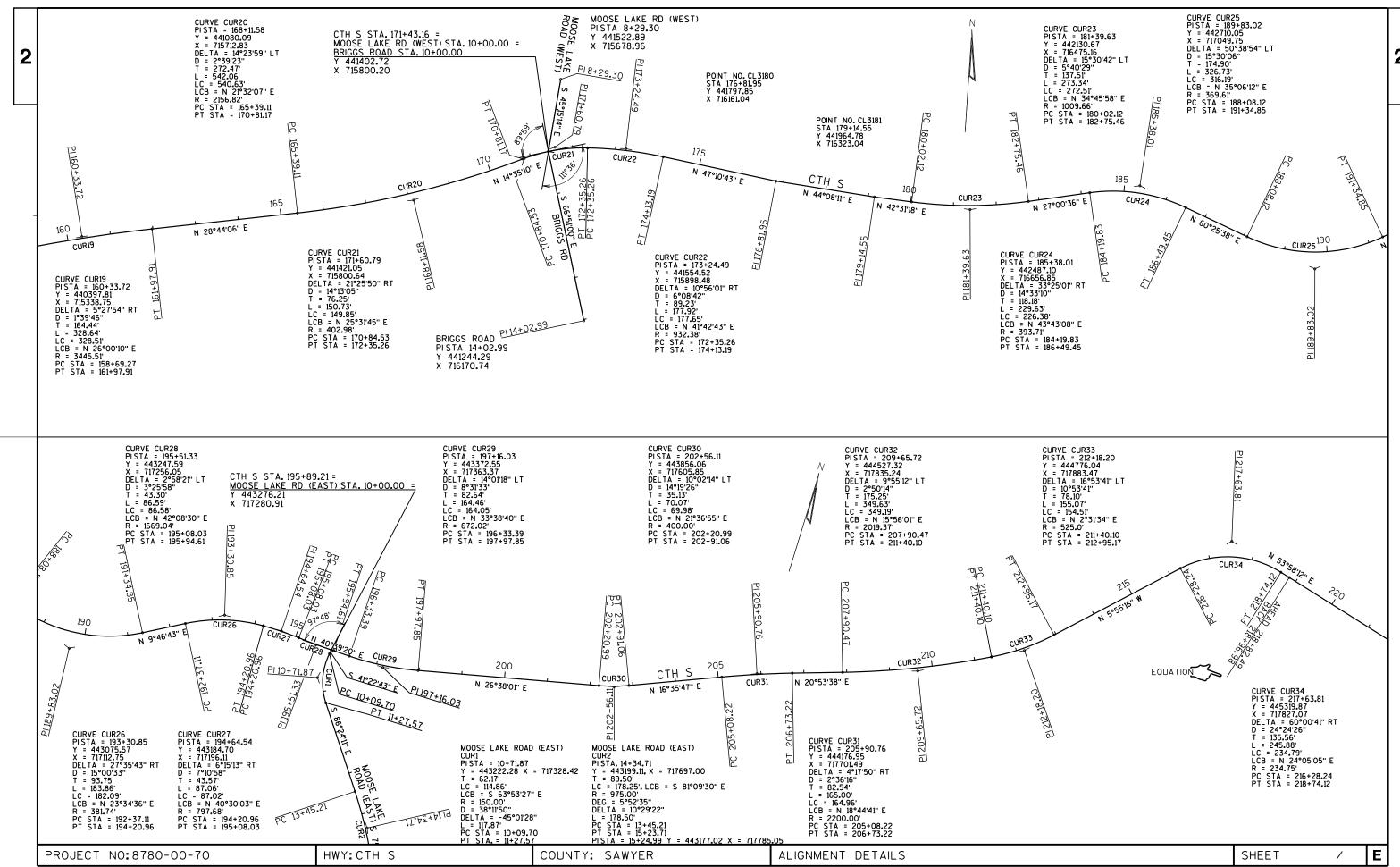


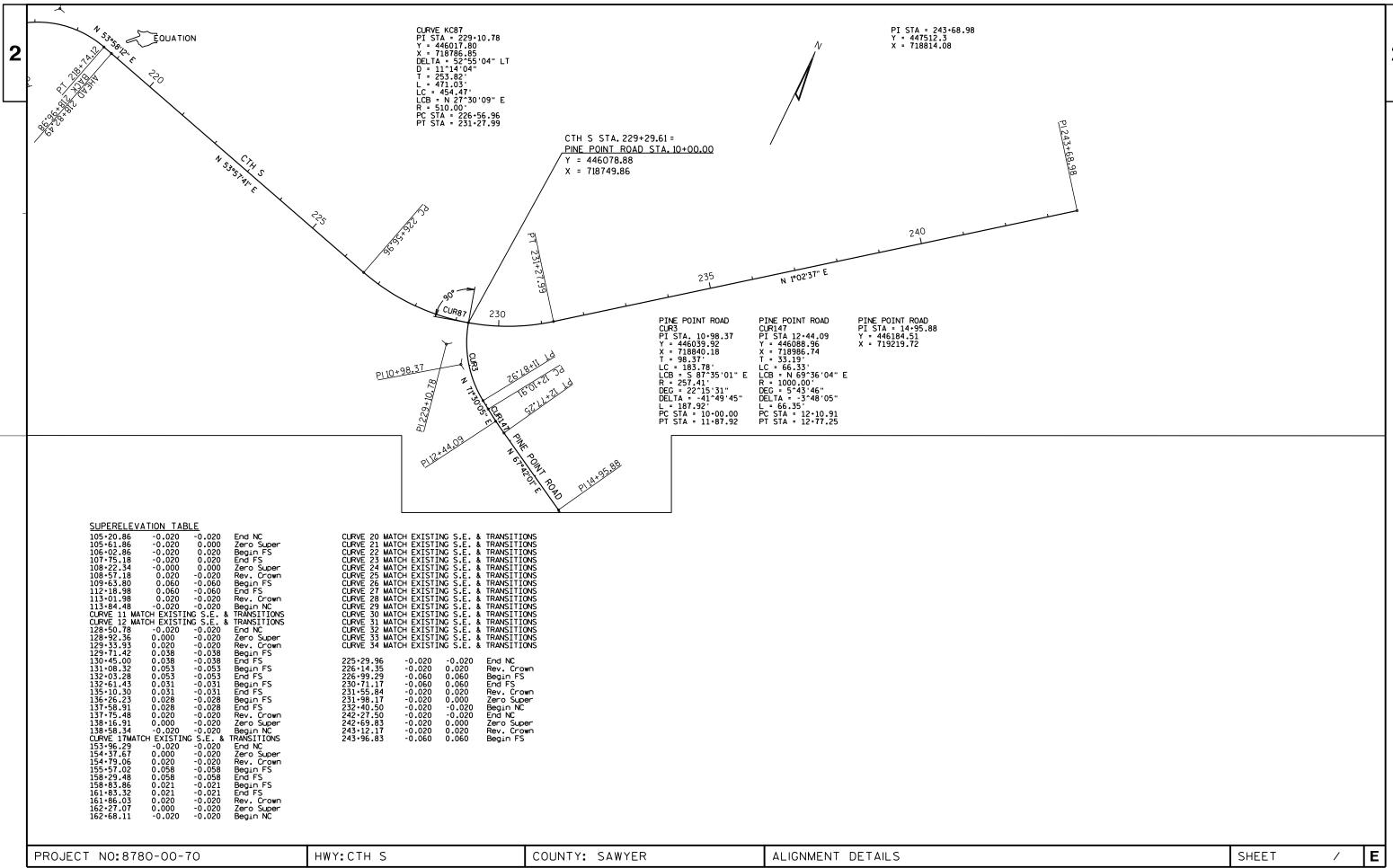


PLOT SCALE : 1:100_XREF

WISDOT/CADDS SHEET 44







		LJ	IIWAII	E OF QUAN		
LI NE NUMBER	ITEM	ITEM DESCRIPTION	UNI T	TOTAL	8780-00-70 QUANTI TY	
0010	201. 0105	Clearing	STA	20. 000	20. 000	
0020	201. 0205	Grubbi ng	STA	20.000	20.000	
0030	203. 0100	Removing Small Pipe Culverts	EACH	4.000	4. 000	
0040	204. 0110	Removing Asphaltic Surface	SY	2, 666. 000	2, 666. 000	
0050	204. 0115	Removing Asphaltic Surface Butt Joints	SY	712. 000	712. 000	
0060	204. 0120	Removing Asphaltic Surface Milling	SY	565. 000	565. 000	
0070	205. 0100	Excavation Common	CY	3, 478. 000	3, 478. 000	
0800	208. 1100	Select Borrow	CY	4, 071. 000	4, 071. 000	
0090	211. 0400	Prepare Foundation for Asphaltic	STA	2.000	2. 000	
		Shoul ders				
0100	213. 0100	Finishing Roadway (project) 01.	EACH	1. 000	1. 000	
		8780-00-70				
0110	305. 0110	Base Aggregate Dense 3/4-Inch	TON	1, 444. 000	1, 444. 000	
0120	305. 0120	Base Aggregate Dense 1 1/4-Inch	TON	3, 200. 000	3, 200. 000	
0130	325. 0100	Pul veri ze and Rel ay	SY	34, 426. 000	34, 426. 000	
0140	455. 0605	Tack Coat	GAL	1, 781. 000	1, 781. 000	
0150	460. 2000	Incentive Density HMA Pavement	DOL	4, 440. 000	4, 440. 000	
0160	460. 5224	HMA Pavement 4 LT 58-28 S	TON	3, 464. 000	3, 464. 000	
0170	460. 5244	HMA Pavement 4 LT 58-34 S	TON	3, 464. 000	3, 464. 000	
0180	465. 0120	Asphaltic Surface Driveways and Field	TON	112. 000	112. 000	
		Entrances	= 4.00			
0190	521. 1018	Apron Endwalls for Culvert Pipe Steel	EACH	2. 000	2. 000	
0200	E21 1020	18-Inch Apron Endwalls for Culvert Pipe Steel	EACH	2. 000	2. 000	
0200	521. 1030	30-Inch	EACH	2.000	2.000	
		30 THEIR				
0210	522. 0312	Culvert Pipe Reinforced Concrete Class	LF	26. 000	26. 000	
0000	F22 1012	IV 12-Inch	EACH	2 000	2 000	
0220	522. 1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	2. 000	2. 000	
0230	530. 0118	Cul vert Pi pe Corrugated Pol yethyl ene	LF	54.000	54. 000	
0200	000.00	18-I nch		0 000	01.000	
0240	530. 0124	Cul vert Pi pe Corrugated Pol yethyl ene	LF	52.000	52.000	
0250	F20 0120	24-Inch		42,000	42,000	
0250	530. 0130	Culvert Pipe Corrugated Polyethylene 30-Inch	LF	42. 000	42. 000	
		30-111011				
0260	606. 0100	Riprap Light	CY	13.000	13. 000	
0270	619. 1000	Mobilization	EACH	1. 000	1. 000	
0280	624. 0100	Water	MGAL	314. 000	314. 000	
0290	625. 0500	Sal vaged Topsoi I	SY	8, 686. 000	8, 686. 000	
0300	627. 0200	Mul chi ng	SY	9, 293. 000	9, 293. 000	
0310	628. 1104	Erosi on Bal es	EACH	20. 000	20. 000	
0320	628. 1504	Silt Fence	LF	2, 820. 000	2, 820. 000	
0330	628. 1520	Silt Fence Maintenance	LF	2, 820. 000	2, 820. 000	
0340	628. 1905	Mobilizations Erosion Control	EACH	3.000	3.000	
0350	628. 1910	Mobilizations Emergency Erosion Control	EACH	5. 000	5. 000	
0360	628. 2004	Erosion Mat Class I Type B	SY	4, 325. 000	4, 325. 000	
0370	628. 7504	Temporary Ditch Checks	LF	370. 000	370. 000	
0380	628. 7555	Cul vert Pi pe Checks	EACH	21. 000	21. 000	
0390	628. 7560	Tracking Pads	EACH	1. 000	1. 000	
0400	628. 7570	Rock Bags	EACH	40.000	40. 000	
0410	420 0210	Fortilizor Type D	CWT	11 200	11 200	
0410	629. 0210 630. 0120	Fertilizer Type B Seeding Mixture No. 20	CWT LB	11. 200 314. 000	11. 200 314. 000	
0420 0430	630. 0120	Seeding Mixture No. 20 Seeding Temporary	LB LB	314. 000 197. 000	197. 000	
0430	630. 0200	Seeding Borrow Pit	LB	79. 000	79. 000	
0450	633. 5100	Markers Row	EACH	35. 000	35. 000	
J-100						

DATE 03	BMAR16	EST	IMAT	E OF QUAN	T I T I E S 8780-00-70
NUMBER	ITEM	ITEM DESCRIPTION	UNI T	TOTAL	QUANTI TY
0460	633. 5200	Markers Culvert End	EACH	28. 000	28. 000
0470	634. 0614	Posts Wood 4x6-Inch X 14-FT	EACH	20. 000	20. 000
0480	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	26.000	26.000
0490	637. 2210	Signs Type II Reflective H	SF	68. 360	68. 360
0500	637. 2230	Signs Type II Reflective F	SF	222. 250	222. 250
0510	638. 2102	Moving Signs Type II	EACH	4. 000	4. 000
0520	638. 2602	Removing Signs Type II	EACH	45.000	45.000
0530	638. 3000	Removing Small Sign Supports	EACH	45.000	45.000
0540	638. 4000	Moving Small Sign Supports	EACH	4. 000	4. 000
0550	642. 5201	Field Office Type C	EACH	1. 000	1. 000
0560	643. 0100	Traffic Control (project) 01. 8780-00-70	EACH	1. 000	1. 000
0570	643.0300	Traffic Control Drums	DAY	660.000	660.000
0580	643.0420	Traffic Control Barricades Type III	DAY	154.000	154.000
0590	643. 0705	Traffic Control Warning Lights Type A	DAY	308.000	308.000
0600	643. 0900	Traffic Control Signs	DAY	1, 398. 000	1, 398. 000
0610	643. 2000	Traffic Control Detour (project) 01. 8780-00-70	EACH	1. 000	1. 000
0620	643. 3000	Traffic Control Detour Signs	DAY	1, 650. 000	1, 650. 000
0630	645. 0130	Geotextile Fabric Type R	SY	44. 000	44.000
0640	646. 0106	Pavement Marking Epoxy 4-Inch	LF	56, 505. 000	56, 505. 000
0650	648. 0100	Locating No-Passing Zones	MI	2. 680	2. 680
0660	649. 0402	Temporary Pavement Marking Paint 4-Inch	LF	28, 300. 000	28, 300. 000
0670	650. 4500	Construction Staking Subgrade	LF	2, 350. 000	2, 350. 000
0680	650. 5000	Construction Staking Base	LF	2, 950. 000	2, 950. 000
0690	650. 6000	Construction Staking Pipe Culverts	EACH	4.000	4.000
0700	650. 8000	Construction Staking Resurfacing	LF	12, 000. 000	12, 000. 000
		Reference			
0710	650. 9910	Construction Staking Supplemental	LS	1. 000	1. 000
0765	/50 0005	Control (project) 01. 8780-00-70		0 /50 005	0 /50 000
0720	650. 9920	Construction Staking Slope Stakes	LF	2, 650. 000	2, 650. 000
0730	690. 0150	Sawing Asphalt	LF	368. 000	368. 000
0740	ASP. 1TOA	On-the-Job Training Apprentice at \$5.	HRS	1, 200. 000	1, 200. 000
0750	ASP. 1TOG	On-the-Job Training Graduate at \$5.00/HR	HRS	300.000	300.000
0760	SPV. 0035	Special 01. Excavating Hauling and	CY	100.000	100.000
		Placing Excess Pulverized Material			

CLEARING AND GRUBBING ITEMS

					201.0105	201.0205
					CLEARING	GRUBBING
STATION	-	STATION	LOCATION		STA	STA
225+00	-	243+00	CTH S	LT & RT	18	18
10+50	-	12+00	PINE POINT RD	LT & RT	2	2
***************************************			PROJECT TO	TALS	20	20

REMOVING SMALL PIPE CULVERTS

203.0100 REMOVING SMALL PIPE CULVERTS

STATION	LOCATION	FACH
159+02	CTH S	1
173+64	CTH S	1
230+70	CTH S	1
239+89	CTH S	1
	PROJECT TOTAL	4

BASE AGGREGATE DENSE 3/4-INCH

305.0110 BASE AGGREGATE DENSE 3/4-INCH

	STATION	-	STATION	LOCATION	TON
	101+50	_	243+00	CTH S, LT&RT	1071
	-	-	-	MOOSE LAKE RD	8
	10+11	-	12+00	PINE POINT RD	15
	10+13	_	10+80	PE STA 224+38 LT	50
	-	-	-	ENTRANCES	300
•		/		PROJECT TOTAL	1444

REMOVING ASPHALTIC SURFACE

REMOVING ASPHALTIC SURFACE STATION - STATION LOCATION SY 223+75 - 224+25 CTH S 122 229+00 - 232+00 CTH S 733 236+50 - 237+00 CTH S 122 239+50 - 243+00 CHTS 856 10+50 - 12+00 PINE POINT RD 333 165+10 - -LT, PE 31 166+26 - -59 LT, PE 54 174+52 - -182+08 - -RT, PE 30 182+53 -LT, PE

RT, PE

LT,CE

LT, PE

PROJECT TOTAL

204.0110

31

194

70

REMOVING ASPHALTIC SURFACE BUTT JOINTS

204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS

	STATION	-	STATION	LOCATION	SURFACE BUTT JOINTS SY
	101+50	-	102+50	CTH 5	289
	218+13	-	219+13	CTH S	289
	-	-	-	MOOSE LK RD (WEST)	67
	-	-	-	MOOSE LK RD (EAST)	67
•			PROJECT	712	

BASE AGGREGATE DENSE 1 1/4-INCH

305.0120 BASE AGGREGATE DENSE 1 1/4-INCH

325.0100

STATION		STATION	LOCATION	TON
		243+00	CTH S	2720
10+11	-	12+00	PINE POINT RD	239
_	-	-	UNDISTRIBUTED	241
			PROJECT TOTAL	3200

REMOVING ASPHALTIC SURFACE MILLING

204.0120 REMOVING ASPHALTIC

					KLINOVIINO ASI TIALTIC
					SURFACE MILLING
_	STATION	-	STATION	LOCATION	SY
_	219+13	-	220+47	CTH S	313
	220+47		221+50	CTH S	252
				PROJECT TOTAL	565

					PULVERIZE
					AND RELAY
	STATION	-	STATION	LOCATION	SY
-	101+50.0	-	218+97.0	CTH S	33936
	218+82.5	-	219+13.0	CTH S	88
	-	-	-	MOOSE LAKE RD (WEST)	203
	-	-	-	MOOSE LAKE RD (EAST)	199
_			F	PROJECT TOTAL	34426

PULVERIZE AND RELAY

FINISHING ROADWAY

182+63 - -

184+20 - -

206+73 -

| 213.0100 | FINISHING ROADWAY | 01.8780-00-70 | STATION | STATION | LOCATION | EACH | 101+50 | 243+00 | CTHS | 1

PROJECT NO: 8780-00-70

HWY: CTH S

COUNTY: SAWYER

MISCELLANEOUS QUANTITIES

PLOT BY : USER

.....

SHEET

/

FILE NAME : W:\NWBE_PROJECTS\DESIGN\0621_CTH_S\C3D_12\030201_MQ.DWG

PLOT DATE : 1/29/2016

PLOT NAME : _____

Division	From/To Station	Location		i.0100 Excavation (1)	Salvaged / Unusable Pavement Material (4)	Available Material (5)			Reduced EBS in Fill (9)	Expanded Marsh Backfill (10)	Expanded EBS Backfill (11)	Unexpanded Fill	Expanded Fill (13)	Mass Ordinate +/- (14)	Comment:
			Cut (2)	EBS (3)				Factor 0.60	Factor 0.80	Factor 1.50	Factor 1.25		Factor 1.25		
CATEGORY 0010			l '												
	173+00 - 174+00	CTHS	15	0	0	15	0	0	0	0	0	0	0	15	Pipe Replacement Ditching
	221+50 - 244+00	CTH S	3,318	0	0	3318	0	0	0	0	0	6014	7518	-4200	
	10+50 - 12+50	PINE POINT ROAD	145	0	0	145	0	0	0	0	0	25	31	114	
PROJECT TOTALS	200		3478	0	0	3478	0	0	0	0	0	6039	7549	-4071	

1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100

2) Salvaged/Unsuable Pavement Material is included in Cut.

3) EBS Excavation to be backfilled with Select Borrow material. Note: this is designers choice, can be backfilled with Borrow, or Cut as well.

4) Salvaged/Unusable Pavement Material

5) Available Material = Cut - Salvaged/Unusuable Pavement Material

6) Marsh Excavation - to be backfilled with Select Borrow Material. Note: this is designers choice, can be backfilled with Borrow, or Cut as well. Item number 205.0500

7) Rock Excavation item number 205.0200

8) Reduced Marsh in Fill - Excavated Marsh material is usuable in Fills outside the 1:1 slope. Marsh in Fill Reduction factor = 0.6

10) Expanded Marsh Backfill - This is to be filled with Select Borrow material. Marsh Backfill Factor = 1.5. Item number 208.1100

9) Reduced EBS in Fill - Excavated EBS material is usuable in Fills outside the 1:1 slope. EBS in Fill Reduction factor = 0.8

- 11) Expanded EBS Backfill This is to be filled with Select Borrow material. EBS Backfill Factor = 1.3. Item number 208.1100
- 12) Expanded Rock Factor = 1.1.

Or

Or

13) Expanded Fill. Factor = 1.25

Depending on selections:

Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh - Reduced EBS) * Fill Factor Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced EBS) * Fill Factor Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh) * Fill Factor

Expanded Fill = (Unexpanded Fill - Rock* Rock Factor) * Fill Factor

Or 14) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.

EXCAVATING HAULING AND PLACING EXCESS MATERIAL

SPV.0035.01 EXCAVATING HAULING AND PLACING EXCESS PULVERIZED

	MATERIAL	
STA STA LOCATION	CY	COMMENTS
105.00 100.00 CTUS	100	PULVERIZED MATERIAL TO BE USED AS
195+00 - 198+00 CTH S	100	FILL BETWEEEN STA. 172+00 - 175+00.
PROJECT TOTAL	100	

SELECT BORROW

208.1100 SELECT BORROW

STATION - STATION LOCATION 221+50 - 244+00 CTH S 4071 PROJECT TOTAL 4071

SHEET PROJECT NO:8780-00-70 HWY: CTH S COUNTY: SAWYER MISCELLANEOUS QUANTITIES

PLOT BY : USER

455.060

				455.0605	460.5224	460.5244	465.0120
				TACK COAT	HMA PAVEMENT 4 LT 58-28 S	HMA PAVEMENT 4 LT 58-34 S	ASPHALTIC SURFACE FOR DRIVEWAYS AND FIELD ENTRANCES
STATION	-	STATION	LOCATION	GAL	TON	TON	TON
101+50.0	-	218+97.0	CTH S	1436	2814	2814	-
218+82.5	-	219+13.0	CTH S	4	8	8	-
219+13.0	-	220+47.0	CTH S	16	16	16	-
220+47.0	-	221+50.0	CTH S	13	13	13	-
221+50.0	-	243+00.0	CTH S	263	515	515	-
-	-	-	MOOSE LAKE RD (WEST)	10	20	20	-
-	-	-	MOOSE LAKE RD (EAST)	10	20	20	-
10+11	-	12+00	PINE POINT RD	29	58	58	-
-	-	-	MOOSE LAKE RD (E) RT SHLD	-	-	-	27
_	-	-	ENTRANCES	-	-	-	85
			PROJECT TOTALS	1781	3464	3464	112

521.1030

STEEL 30-INCH

EACH

2

APRON ENDWALLS APRON ENDWALLS CORRUGATED

FOR CULVERT PIPE FOR CULVERT PIPE

530.0118

CULVERTPIPE

18-INCH

54

54

POLYETHYLENE POLYETHYLENE

530.0124

CULVERT PIPE

CORRUGATED

24-INCH

52

52

LANDSCAPING ITEMS

			625.0500 SALVAGED TOPSOIL	627.0200 MULCHING	629.0210 FERTILIZER TYPE B	630.0120 SEEDING MIXTURE NO. 20	630.0200 SEEDING TEMPORARY	630.0300 SEEDING BORROW PIT
STATION -	STATION	LOCATION	SY	SY	CWT	LB	LB	LB
158+50 -	159+50	CTH S, LT & RT	25	0	0.1	1	1	-
172+00 -	175+00	CTH S, LT & RT	667	733	0.5	20	10	-
221+50 -	243+00	CTH S, LT	3155	2640	2.7	117	59	-
221+50 -	243+00	CTH S, RT	3716	2885	3.1	133	66	-
10+50 -	12+00	PINE POINT RD LT	121	204	0.1	6	3	-
10+50 -	12+00	PINE POINT RD RT	212	296	0.2	8	4	_
		BORROW SITES	-	1690	3.4	-	36	71
UNDISTRIE	BUTED	CTH S	790	845	1.1	29	18	8
	PR	OJECT TOTALS	8686	9293	11.2	314	197	79

PREPARE FOUNDATION

211.0400 PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS

LOCATION		STA
MOOSE LAKE RD E SHLD	RT	2
PROJECT TOTAL		2

MOBILIZATION

				619.1000
STATION	-	STATION	LOCATION	MOBILIZATION EACH
101+50.00	-		CTH S	1
			PROJECT TOTAL	1

EROSION MAT

					EROSION MAT
					CLASS I TYPE B
STATION	-	STATION	LOCATIO	N	SY
158+00	-	159+00	CTH S	LT & RT	25
225+00	-	228+00	CTH S	LT	750
228+00	-	231+00	CTH S	LT	270
231+50	-	236+50	CTH S	RT	1420
237+25	-	240+50	CTH S	LT	690
239+75	-	240+25	CTH S	RT	145
242+00	-	243+00	CTH S	RT	90
10+25	-	11+50	PINE POINT RD	RT	160
10+25	-	11+50	PINE POINT RD	LT	210
	_	-	UNDISTRIB	UTED	565
			PROJECT TOTAL		4325

628.2004

CULVERT PIPE REINFORCED CONCRETE

CULVERT PIPE CORRUGATED ITEMS

LOCATION

CTH S CTH S

PROJECT TOTALS

10+50 PINE POINT RD

521.1018

STEEL 18-INCH

			522.0312	522.1012
			CULVERT PIPE REINFORCED	APRON ENDWALLS FOR CULVERT PIPE
			CONCRETE CL IV 12-INCH	REINFORCED CONCRETE 12-INCH
	STATION	LOCATION	LF	EACH
	173+50	CTH S	26	2
•	PROJECT TOTALS		26	2

RIPRAP ITEMS

530.0130 **CULVERT PIPE**

CORRUGATED

POLYETHYLENE

30-INCH

42

			606.0100	645.0130
			RIPRAP	GEOTEXTILE
			LIGHT	FABRIC TYPE
STATION	LOCATION		CY	SY
240+00	CTH S	LT	9	32
10+50	PINE POINT RD	RT	4	12
	PROJECT TOTALS		13	44

EROSION BALES

		628.1104
		EROSION BALES
STATION	LOCATION	EACH
UNDIS	TRIBUTED	20
PROJE	CT TOTAL	20

WATER

STATION		STATION	624.0100 WATER MGAL	COMMENTS
101+50	-	219+13	86	PULVERIZE AND RELA
221+50	-	243+00	48	BASE COMPACTION
101+50	-	243+00	130	DUST CONTROL
101+50	-	243+00	50	UNDISTRIBUTED
		PROJECT TOTAL	314	

PROJECT NO: 8780-00-70

STATION

159+02

240+00

HWY: CTH S

COUNTY: SAWYER

MISCELLANEOUS QUANTITIES

SHEET

FILE NAME : W:\NWBE_PROJECTS\DESIGN\0621_CTH_S\C3D_12\030201_MQ.DWG

PLOT DATE : 1/29/2016

PLOT BY : USER

PLOT NAME : _____

SILT FENCE ITEMS

					628.1504	628.1520
					SILTFENCE	SILT FENCE
					SILITENCE	MAINTENANCE
STATION	_	STATION	LOC	ATION	LF	LF
158+50	-	159+50	CTH S	LT & RT	200	200
173+50	-	174+50	CTH S	LT	100	100
221+50	-	228+50	CTH S	LT	700	700
221+50	-	226+60	CTH S	RT	515	515
230+50	-	233+10	CTH S	LT	260	260
235+50	-	239+95	CTH S	LT	445	445
240+05	-	243+00	CTH S	LT	300	300
-	-	-	UNDIST	FRIBUTED	300	300
		PROJ	ECT TO	ΓALS	2820	2820

EROSION CONTROL MOBILIZATIONS

	628.1905 MOBILIZATION	628.1910 MOBILIZATION
	EROSION	EMERGENCY EROSION
	CONTROL	CONTROL
LOCATION	EACH	EACH
CTH S	3	5
PROJECT TOTALS	3	5

MARKERS ROW

224+00.11 31.56'LT

225+00.00 45'LT

OFFSET

55'LT

55'LT

45'LT

35'LT

42'LT

37'LT

40'LT

40'LT

45'LT

43'LT

43'LT

55'LT

50'LT

45'LT

40'LT

40' RT

50' RT

50' RT

40'RT

40'RT

50' RT

STATION

226+00.00

227+00.00

228+00.00

228+50.02

229+00.00

230+00.00

231+00.00

232+00.00

234+00.00

235+00.00

237+00.00

238+00.00

239+50.76

241+00.00

243+00.00

240+50.00

240+25.00

239+75.00

239+50.53

237+00.00

236+75.00

243+00.00 33.88'LT

243+00.00 32.12'RT

243+00.00 40'RT

234+00.00 67'RT

230+35.00 45'RT

229+99.01 170.28'RT

229+69.21 199.48'RT

229+66.37 202.52'RT

228+00.00 40' RT

227+00.00 40'RT

226+00.00 55'RT

224+88.93 36.01'RT

PROJECT TOTAL

633.5100 MARKERS ROW

EACH

1

1

1

PLAT POINT

PRW1

PRW2

PRW3

PRW4

PRW5

PRW6

PRW7

PRW8

PRW9

PRW11

PRW12

PRW13

PRW14

PRW15

PRW16

PRW17

PRW18

PRW19

PRW51

PRW52

PRW53

PRW54

PRW55

PRW56 PRW57

PRW58

PRW59

PRW61

PRW62

PRW63

PRW64

PRW65

PRW66

PRW67

PRW68

		633.5200
		MARKERS
		CULVERT END
STATION	LOCATION	EACH
116+23	CTH S	2
124+21	CTH S	2
126+31	CTH S	2
143+75	CTH S	2
154+24	CTH S	2
157+08	CTH S	2
159+02	CTH S	2
159+42	CTH S	2
173+64	CTH S	2
190+33	CTH S	2
195+53	CTH S	2

CTH S

CTH S

10+50 PINE POINT RD

PROJECT TOTAL

210+99

240+00

MARKERS CULVERT END

TEMPORARY DITCH CHECKS

628.7504 TEMPORARY DITCH CHECKS

			DITCH CHECKS
STATION	LOCATION	1	<u>LF</u>
173+25	CTH S	LT	10
226+75	CTH S	RT	10
227+00	CTH S	RT	10
227+25	CTH S	RT	10
227+50	CTH S	RT	10
227+75	CTH S	RT	10
228+00	CTH S	RT	10
228+25	CTH S	RT	10
228+50	CTH S	LT & RT	20
229+00	CTH S	LT	10
229+50	CTH S	LT	10
230+00	CTH S	RT	10
230+75	CTH S	RT	10
233+50	CTH S	RT	10
234+00	CTH S	LT & RT	20
234+50	CTH S	LT & RT	20
235+00	CTH S	LT & RT	20
235+50	CTH S	LT & RT	20
236+00	CTH S	RT	10
236+50	CTH S	RT	10
237+00	CTH S	RT	10
238+00	CTH S	RT	10
239+00	CTH S	RT	10
239+50	CTH S	RT	10
240+50	CTH S	RT	10
241+00	CTH S	RT	10
242+00	CTH S	RT	10
242+50	CTH S	RT	10
10+75	PINE POINT RD	LT & RT	20
11+25	PINE POINT RD	LT & RT	20
	PROJECT TOTAL		370

CULVERT PIPE CHECKS

			CHECKS
STATION	LOCATION		EACH
159+02	CTH S	RT	7
173+50	CTH S	RT	1
240+00	CTH S	RT	7
10+50	PINE POINT ROAD	LT	3
	UNDISTRIBUTED	-	3
F	ROJECT TOTAL		21

TRACKING PADS

	628.7560 TRACKING PADS
LOCATION	EACH
BORROW PIT	1
PROJECT TOTAL	1

628.7555 **CULVERT PIPE** CHECKS

FIELD OFFICE TYPE C

642.5201 FIELD OFFICE TYPE C

LOCATION	EACH
PROJECT	1
PROJECT TOTAL	1

ROCK BAGS

	628.7570
	ROCK BAGS
LOCATION	EACH
UNDISTRIBUTED	40
PROJECT TOTAL	40

TRAFFIC CONTROL

TRAFFIC CONTROL 01.8780-00-70 STATION - STATION LOCATION FACH 101+50 - 243+00 CTH S PROJECT TOTAL

643.0100

TRAFFIC CONTROL DETOUR

643.2000 TRAFFIC CONTROL DETOUR 01.8780-00-70 EACH

STATION - STATION LOCATION 224+00 - 243+00 CTHS 1 PROJECT TOTAL

PROJECT NO: 8780-00-70

HWY: CTH S

COUNTY: SAWYER

MISCELLANEOUS QUANTITIES

PLOT NAME : _____

SHEET

E

690.0150

TRAFFIC CONTROL DEVICES

		643.03 TRAFFIC CO DRUM	ONTROL	643.0 TRAFFIC C BARRIC TYPE	ONTROL CADES	643.0 TRAFFIC C WARNING TYPI	ONTROL LIGHTS	643.0 TRAFFIC C SIG	ONTROL	
LOCATION	(EST. DAYS)	(COUNT)	DAY	(COUNT)	DAY	(COUNT)	DAY	(COUNT)	DAY	SIGN CODE
CTH S ADVANCE SIGNS	62							6	372	W20-1 &G20-1
SIDE ROAD ADVANCE SIGNS	62							3	186	W20-1
CTH S 'END ROAD WORK' SIGNS	62							2	124	G20-2A
CTH S NB GRAVEL SURFACE SIGNS	37				****	-		6	222	WO8-12 & R4-1
CTH S SB GRAVEL SURFACE SIGNS	37							8	296	WO8-12 & R4-1
CTH S TERMINI CLOSURES	22	***	***	2	44	4	88	2	44	R11-3
PINE POINT TERMINI CLOSURE	22			1	22	2	44	1	22	R11-4
CTH S RECONSTRUCT CLOSURE	22			4	88	8	176	6	132	R11-4 & W20-2
MOOSE LAKE RD EAST INTERSECTION	10	10	100							
PINE POINT RD INTERSECTION	28	20	560							
<u> </u>	PROJECT TOTALS		660		154		308		1398	

TRAFFIC CONTROL DETOUR SIGNS

		TRAFFIC	.3000 CONTROL FOUR
			GNS
LOCATION	(EST. DAYS)	(COUNT)	DAY
CTH B SIGNS	25	24	600
STH 77 SIGNS	25	24	600
CTH A SIGNS	25	18	450
PROJECT TOTAL			1650

LOCATING NO-PASSING ZONES

SAWING ASPHALT

STATION	LOCATION	SAWING ASPHALT LF
101+50	CTH S BOP	20
165+10	LT, PE	12
166+26	LT, PE	20
171+50	LT, MOOSE LK RD (W) MATCHLINE	32
174+52	LT, PE	14
182+08	RT, PE	12
182+53	LT, PE	12
182+63	RT, PE	10
184+20	LT,CE	50
195+90	RT, MOOSE LK RD (E) MATCHLINE	130
206+73	LT, PE	16
12+00	PINE POINT RD, MATCHLINE	20
243+00	CTH S EOP	20
	PROJECT TOTAL	368

PAVEMENT MARKING EPOXY 4-INCH

646.0106 **PAVEMENT** MARKING EPOXY 4-INCH STATION - STATION LOCATION YELLOW CENTERLINE 101+50 - 243+00 28320 CTH S WHITE EDGELINE WHITE EDGELINE CTH S 28000 101+50 - 243+00 MOOSE LAKE RD (E) SHLD 185 56505 PROJECT TOTAL

TEMPORARY PAVEMENT MARKING PAINT

649.0402
TEMPORARY PAVEMENT
MARKING PAINT 4-INCH

STATION - STATION LOCATION LF TYPE

101+50 - 243+00 CTH S 28300 YELLOW CENTERLINE
PROJECT TOTAL 28300

CONSTRUCTION STAKING PIPE CULVERTS

		650.6000
		CONSTRUCTION STAKING
		PIPE CUVLERTS
STATION	LOCATION	EACH
159+02	CTH S	1
173+64	CTH S	1
240+00	CTH S	1
10+50	PINE POINT RD	1
	PROJECT TOTAL	4

CONSTRUCTION STAKING ROADWAY

STATION - STATION	LOCATION	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.8000 CONSTRUCTION STAKING RESURFACING REFERENCE LF	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF
172+00 - 175+00	CTH S		300	-	300
195+00 - 198+00	CTH S	-	300	-	•
221+50 - 243+00	CTH S	2150	2150	-	2150
101+50 221+50	CTH S	-	-	12000	-
10+00 - 12+00	PINE POINT RD	200	200	-	200
PRO	ECT TOTALS	2350	2950	12000	2650

PROJECT NO: 8780-00-70

HWY: CTH S

COUNTY: SAWYER

MISCELLANEOUS QUANTITIES

SHEET

FILE NAME : W:\NWBE_PROJECTS\DESIGN\0621_CTH_S\C3D_12\030201_MQ.DWG

PLOT DATE : 1/29/2016

PLQT BY : USER

PLOT NAME : _____

PERMANENT SIGNING ITEMS

CTIS STATION CORP CORP STATION CORP CORP						037.2210	037.2230	034.0014	034.0010	036.2102	038.2002	038.3000	038,4000	
SATION CAPADION						SIGNS	SIGNS	POSTS WOOD		MOVING	REMOVING		MOVING	
No.					SIGN SIZE									
CATOLOG Cate Cate	SIGN	STATION LOCATI	ION SIGN		WXH	REFLECTIVE H	REFLECTIVE F	X 14-FT	X 16-FT	TYPE II	TYPE II	SUPPORTS	SUPPORTS	
1 102-45 RT W3-5 Reduced Speed Ahead 45 36 X 36 - 9.00 - 1 - - 2 102-96 RT - Reduced Speed Ahead 45 1 1 - 3 107-45 RT RP-1 SPEED LIMIT 45 24 X 30 5.00 1 1 1 - 4 107-45 RT RP-1 SPEED LIMIT 45 24 X 30 5.00 1 1 - 5 118-67 RT W1-28 Right Vinding Road 30 X 30 6.75 1 - 1 1 - 7 128-47 RT W1-28 Right Vinding Road 30 X 30 6.75 1 - 1 1 - 8 135-45 RT - SPEED LIMIT 45 - 1 1 - 9 135-45 RT - SPEED LIMIT 45 - - 1 1 - 10 136-45 RT - SPEED LIMIT 45 - - - 1 1 - 11 140-46 RT RT RT RT RT RT RT R	NO.			SIGN MESSAGE	(INCHES)	SF	SF	EACH	EACH	EACH	EACH	EACH	EACH	COMMENT
102-90 RT	CAT.	0010												
3 107-45 RT R2-1 SPED INIVIT45 C 24 30 5.00 - 1 - - 1 1 -	1	102+45 RT	W3-5	Reduced Speed Ahead 45	36 X 36		9.00		1					
107-45 LT	2	102+90 RT		Reduced Speed Ahead							1	1	*****	
Table 18	3	107+45 RT	R2-1	SPEED LIMIT 45	24 X 30	5.00		1			1	1		
1846 1	4	107+45 LT		END SPEED ZONE						1			1	Move sign & post back to same location
18447 RT W1-18 Right Curve 30 x 30	5	110,67 IT	W1-5R	Right Winding Road	30 x 30		6.25		1		1	1		
8 135-05 T	6	110+07 LI	W13-1		18 X 18		2.25		1		1	1		
9 135-05 LT SPEED LIMIT 45	7	128+47 RT	W1-2R	Right Curve	30 x 30		6.25		1		1	1	-	
136-90 IT W1-21 Left Curve	8	135+05 RT						-			1	1		
149-00 RT R2-1 SPEED LIMIT 45 24 X 30 5.00 1 1 1 Replacement for same sign at \$13.144-00 17 R2-1 SPEED LIMIT 45 24 X 30 5.00 1 1 1 Replacement for same sign at \$13.144-00 13 149-95 RT Reduced Speed Ahead 35 M.P.H. 1 1 Replacement for same sign at \$13.144-00 13 149-95 RT Reduced Speed Ahead 35 M.P.H. 1 1 Replacement for same sign at \$13.144-00 149-95 RT Replacement for same sign at \$13.144-00 RT REPLACEMENT FOR THE PROPERTY FOR THE	9	135+05 LT									1	11		
140-00 LT R2-1 SPEED LIMIT 45 74 X 30 5.00 1 1 1 Replacement for same sign at Sta. 144-00 14 152-25 RT	10	136+30 LT	W1-2L		30 x 30		6.25		1		1	1		
1	11	140+00 RT	R2-1	SPEED LIMIT 45	24 X 30	5.00		1			1	1		Replacement for same sign at Sta. 144+00
14	12	140+00 LT	R2-1	SPEED LIMIT 45	24 X 30	5.00		1			1	1		Replacement for same sign at Sta. 144+00
15	13	149+95 RT					****				1	1		
15 15 15 17 15 17 17 15 17 17	14	152+25 RT	W1-2R	Right Curve	30 x 30		6.25		1		1	1		
17	15	154+40 RT	W11-2	Pedestrian symbol	30 x 30		6.25	***	1		1	1		
18 159+35 RT W3-5 Reduced Speed Ahead 35 36 X 36	16	155+90 LT		SPEED LIMIT 45							1	1		
19	17	155+90 RT		SPEED LIMIT 45							1	1		
163+50 LT R2-1 SPEED LIMIT 45 24 X 30 5.00 1 -	_18	159+35 RT	W3-5	Reduced Speed Ahead 35	36 X 36		9.00		1					
163450 RT R2-1 SPEED LIMIT35 24 X 30 5.00	19	159+70 LT	W1-2L	Left Curve	30 x 30		6.25		1		1	1		
169+87 RT W2-2 Side Road 90 Degrees 30 x 30 6.25 1 Orient sign with side road stub on the left	20	163+50 LT	R2-1	SPEED LIMIT 45	24 X 30	5.00		1						
Note Section Section	21	163+50 RT	R2-1	SPEED LIMIT 35	24 X 30	5.00	_	1						
16948 RI	22	166+40 RT	W2-2	Side Road 90 Degrees	30 x 30		6.25		1					Orient sign with side road stub on the left
Note	23	160.07 DT	W1-5R	Right Winding Road	30 x 30		6.25		1		1	1		
26 173+96 RT RZ-1 SPEED LIMIT 35 24 X 30 5.00 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	24	109+67 KI	W13-1	25 M.P.H.	18 X 18		2.25		1	***	1	1		
27 173+96 LT R2-1 SPEED LIMIT 35 24 X 30 5.00 1 1 1 28 176+50 LT W2-2 Side Road 90 Degrees 30 x 30 6.25 1 1 1 Orient sign with side road stub on the right 29 186+50 RT R2-1 SPEED LIMIT 35 24 X 30 5.00 1 1 1 30 186+50 RT R2-1 SPEED LIMIT 35 24 X 30 5.00 1 1 1 31 189+05 RT W11-6 Snowmobile Crossing symbol 30 X 30 6.25 1 1 1 1 1 1 1 1 1 1 1 1	25	171+35 LT	R1-1	STOP	30 x 30	5.18		1			1	1		Moose Lake Road (West)
176+50 LT W2-2 Side Road 90 Degrees 30 x 30 6.25 1 1 1 Orient sign with side road stub on the right	26	173+96 RT	R2-1		24 X 30	5.00		1			1	1		
29 186+50 RT R2-1 SPEED LIMIT 35 24 X 30 5.00 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	27	173+96 LT	R2-1	SPEED LIMIT 35	24 X 30	5.00		1			1	11	become).	
30	28	176+50 LT	W2-2	Side Road 90 Degrees	30 x 30		6.25		1		1	1		Orient sign with side road stub on the right
31 189+05 RT W11-6 Snowmobile Crossing symbol 30 X 30 6.25 1 1 1 Orient sign with side road stub on the right 32 190+85 RT W2-2 Side Road 90 Degrees 30 x 30 6.25 1 1 1 Orient sign with side road stub on the right 33 192+25 RT JCT RUSTIC ROAD Right Arrow 1 1 Move signs & post back to same location 34 196+60 LT R2-1 SPEED LIMIT 35 24 X 30 5.00 1 1 1 35 196+65 RT R7-1D NO PARKING ANY TIME w/double arrow 18 x 24 3.00 1 1 1 1 Move signs & post back to same location 36 197+25 RT RUSTIC ROAD NEXT 4 MILES <t< td=""><td>29</td><td>186+50 RT</td><td>R2-1</td><td>SPEED LIMIT 35</td><td>24 X 30</td><td>5.00</td><td></td><td>1</td><td></td><td></td><td>1</td><td>1</td><td></td><td></td></t<>	29	186+50 RT	R2-1	SPEED LIMIT 35	24 X 30	5.00		1			1	1		
32 190+85 RT W2-2 Side Road 90 Degrees 30 x 30 6.25 1 1 1 Orient sign with side road stub on the right 33 192+25 RT JCT RUSTIC ROAD Right Arrow 1 1 1 1 Move signs & post back to same location 34 196+60 LT R2-1 SPEED LIMIT 35 24 X 30 5.00 1 1 1 1 1 1 1 1 35 196+65 RT R7-1D NO PARKING ANY TIME w/double arrow 18 x 24 3.00 1 1 1 1 1 Move signs & post back to same location 197+25 RT RUSTIC ROAD NEXT 4 MILES 1 1 Move signs & post back to same location 197+25 RT RUSTIC ROAD NEXT 4 MILES 1 1 Move signs & post back to same location 197+25 RT RUSTIC ROAD NEXT 4 MILES 1 1 Move signs & post back to same location 197+25 RT RUSTIC ROAD NEXT 4 MILES 1 Move signs & post back to same location 197+25 RT RUSTIC ROAD NEXT 4 MILES	30	186+50 RT	R2-1	SPEED LIMIT 35	24 X 30	5.00		1			1	1		
33 192+25 RT JCT RUSTIC ROAD Right Arrow 1 Move signs & post back to same location 34 196+60 LT R2-1 SPEED LIMIT 35 24 X 30 5.00 1 1 1 1 1 1 1 35 196+65 RT R7-1D NO PARKING ANY TIME w/double arrow 18 x 24 3.00 1 1 1 1 1 Move signs & post back to same location 197+25 RT RUSTIC ROAD NEXT 4 MILES 1 1 Move signs & post back to same location 1 1 1 1 Move signs & post back to same location 1	31	189+05 RT	W11-6	Snowmobile Crossing symbol	30 X 30		6.25	*****	1		1	1		
34 196+60 LT R2-1 SPEED LIMIT 35 24 X 30 5.00 1 1 1 1 1 1 35 196+65 RT R7-1D NO PARKING ANY TIME w/double arrow 18 x 24 3.00 1 1 1 1 1 Move signs & post back to same location	32	190+85 RT	W2-2	Side Road 90 Degrees	30 x 30		6.25		1		1	1		Orient sign with side road stub on the right
35 196+65 RT R7-1D NO PARKING ANY TIME w/double arrow 18 x 24 3.00 1 1 1 1 Move signs & post back to same location	33	192+25 RT		JCT RUSTIC ROAD Right Arrow						1			1	Move signs & post back to same location
36 197+25 RT RUSTIC ROAD NEXT 4 MILES 1 1 Move signs & post back to same location	34	196+60 LT	R2-1	SPEED LIMIT 35	24 X 30	5.00		1			1	1		
	35	196+65 RT	R7-1D	NO PARKING ANY TIME w/double arrow	18 x 24	3.00		1		***	1	1		
SUB-TOTALS 58.18 91.25 12 13 3 26 26 3	36	197+25 RT		RUSTIC ROAD NEXT 4 MILES						1			11	Move signs & post back to same location
	-	-		SUB-TO	OTALS	58.18	91.25	12	13	3	26	26	3	

637.2210 637.2230 634.0614 634.0616 638.2102 638.2602 638.3000 638.4000

PROJECT NO:8780-00-70 HWY:CTH S COUNTY:SAWYER MISCELLANEOUS QUANTITIES SHEET / E

PLOT BY : USER

PERMANENT SIGNING ITEMS CONT'D

	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					637.2210 SIGNS	637.2230 SIGNS	634.0614 POSTS WOOD	634.0616 POSTS WOOD	638.2102 MOVING	638.2602 REMOVING	638.3000 REMOVING	638.4000 MOVING	
	CTH S				SIGN SIZE	TYPEII	TYPEII	4X6-INCH	4X6-INCH	5IGNS	SIGNS	5MALL	SMALL SIGN	
SIGN	STATION	LOCATION	SIGN		WXH	REFLECTIVE H	REFLECTIVE F	X 14-FT	X 16-FT	TYPE II	TYPE II	SIGN	SUPPORTS	
NO.	(APPROX)		CODE	SIGN MESSAGE	(INCHES)	SF	SF	EACH	EACH	EACH	EACH	SUPPORTS	EACH	COMMENT
CAT. 00)10													
37	197+95	LT		RUSTIC ROAD w/left arrow						1			1	Move sign & post back to same location
38	198+30	RT	R2-1	SPEED LIMIT 45	24 X 30	5.00	***	1			1	1		
39	199+55	LT	W 1 1-6	Snowmobile Crossing symbol	30 X 30	***	6.25		1		1	1		
40	201+55	LT	W2-2	Side Road 90 Degrees	30 x 30		6.25	-	1		1	11		Orient sign with side road stub on the left
41	203+86	LT	W3-5	Reduced Speed Ahead 35	36 X 36		9.00		1					
42	204+00	LT .		Reduced Speed Ahead 35 M.P.H.							1	1		
43	205+90	RT		Left Reverse Turn 30 M.P.H.				****			1	1		
44	205+90	LT	W1-5R	Right Winding Road	30 x 30	***	6.25		1		1	1		
45	203+90	LI	W13-1	25 M.P.H.	18 X 18		2.25		L			1		
46	206+90	LT	W1-5R	Right Winding Road	30 x 30		6.25		1					
47	200+90	LI	W13-1	30 M.P.H.	18 X 18		2.25		1					
48	216+00	RT	W5-2	NARROW BRIDGE	36 X 36		9.00		1	*****	1	1	-	
49	217+60	LT	W1-6	Night Arrow right	48 X 24		8.00	1						Sign faces northbound traffic with right arrow
50	217+70	LT	W1-6	Night Arrow left	48 X 24		8.00	1						Sign faces southbound traffic with left arrow
52	219+60	RT	W5-52R	Clearance Striper Down Left	12 x 36	*****	3.00	1			1	1		
53	219+62	LT	W5-52L	Clearance Striper Down Right	12 x 36		3.00	1			1	1		
54	220+00	RT	W5-52L	Clearance Striper Down Right	12 x 36		3.00	1			1	1		
55	220+02	LT	W5-52R		12 x 36		3.00	1			1	1		
56			W1-5R	Right Winding Road	30 x 30		6.25		_			_		
57	221+24	LT	W13-1	30 M.P.H.	18 X 18		2.25		1		1	1		
58	223+15	RT		Left Turn 20 M.P.H.							1	1		
59	224+00	LT	W5-2	NARROW BRIDGE	36 X 36		9.00		1		1	1		
61	224.40	D.T.	W1-2L	Left Curve	30 x 30		6.25		a a					
62	224+10	RT	W13-1	30 M.P.H.	18 X 18		2.25		1					
63	226+05	RT	W2-2	Side Road 90 Degrees	30 x 30		6.25		1		1	1		Orient sign with side road stub on the right
64	228+75	RT		Night Arrow right				-			1	1		
65	229+60	RT	R1-1	STOP	30 x 30	5.18		1			1	1		Pine Point Road
66	232+30	LT	W2-2	Side Road 90 Degrees	30 x 30		6.25	***	1		1	1		Orient sign with side road stub on the left
67	233+35	LT		Right Winding Road 20 M.P.H.			******				1	1		ŭ
68			W1-2R	Right Curve	30 x 30		6.25		_					
69	233+75	LT	W13-1	30 M.P.H.	18 X 18		2.25		1					
71	0.40		W1-2L	Left Curve	30 x 30		6.25		_				***	
72	242+19	RT			18 X 18		2.25		1	A	****		****	
<u></u>				SUB-TOTA		10.18	131.00	8	13	1	19	19	1	
				PROJECT TOTA		68.36	222.25	20	26	4	45	45	4	

COUNTY: SAWYER SHEET HWY: CTH S PROJECT NO:8780-00-70 MISCELLANEOUS QUANTITIES PLOT BY : USER

CONV	ENTIONAL	ABBREVIATIONS	
ACCESS POINT/	AP	REFERENCE LINE	R/L
DRIVEWAY CONNECTION		RELEASE OF RIGHTS	ROR
ACCESS RIGHTS	AR	REMAINING	REM.
ACRES	AC.	RIGHT-OF-WAY	R∠₩
AND OTHERS	ET.AL	SECTION	SEC.
CENTERLINE	C/L	STATION	STA.
CERTIFIED SURVEY MAP	CSM	TEMPORARY LIMITED EASEMEN	
CORNER	COR.	VOLUME	٧.
DOCUMENT	DOC.	CURVE DATA	••
EASEMENT	EASE.	LONG CHORD	I C
HIGHWAY EASEMENT	H.E.	LONG CHORD BEARING	LCB
MONUMENT	MON.	RADIUS	R
PAGE	Р.	DEGREE OF CURVE	D
PERMANENT LIMITED EASE	MENT PLE		DELTA
PROPERTY LINE	PL	CENTRAL ANGLE OR DELTA	
RECORDED AS	(1001)	LENGTH OF CURVE	L T
		TANGENT	'
_	ONVENTIO	NAL SYMBOLS	
FOUND IRON PIPE/PIN	UNLESS NOTED	PROPOSED R/W LINE	
S W MONTHERE	• •(SET)	EXISTING H.E. LINE —	
R/W MONUMENT		PROPERTY LINE	
R/W STANDARD	4 4(SET)	LOT & TIE LINES	
SIGN	ISIGN	SLOPE INTERCEPTS — -	/////
SECTION CORNER MONUMENT		CORPORATE LIMITS	
SECTION CORNER SYMBOL		ACCESS RESTRICTED (BY PREVIOUS ACQUISITION/C	ONTROL)
FEE (HATCH VARIES)	الأكما	ACCESS RESTRICTED (BY ACOUISTION)	
TEMPORARY LIMITED EASEMENT		NO ACCESS (BY STATUTORY AUTHORITY)	•••••
PERMANENT LIMITED EASEMENT		SECTION LINE -	
R/W BOUNDARY POINT	(RWB20)	OUARTER LINE	
PARCEL NUMBER	(0)	SIXTEENTH LINE	
UTILITY PARCEL NUMBER	<u>@</u>	EXISTING CENTERLINE	~
SIGN NUMBER		PROPOSED REFERENCE LINE	$\overline{}$
(OFF PREMISE)	61-1	PARALLEL OFFSET	1 5
BUILDING			
CONVE	NTIONAL	UTILITY SYMBOLS	
WATER		w	
GAS			
TELEPHO	NE		
OVERHEA		T	
	SSION LINES		
ELECTRI		E	
CABLE T	ELEVISION		
FIBER O	PTIC	F0	
SANITAR	Y SEWER	SAN	
STORM S	EWER	ss	
		NON	
POWER P		WPENSABLE COMPENSABLE	
TELEPHO		d d Ø ø	
	NE PULE NE PEDESTAL		
IELEPHO	NE PEDESTAL	. ~ ~	

R/W PROJECT NUMBER SHEET TOTAL 8780-00-00 FEDERAL PROJECT NUMBER

SAWYER CO.

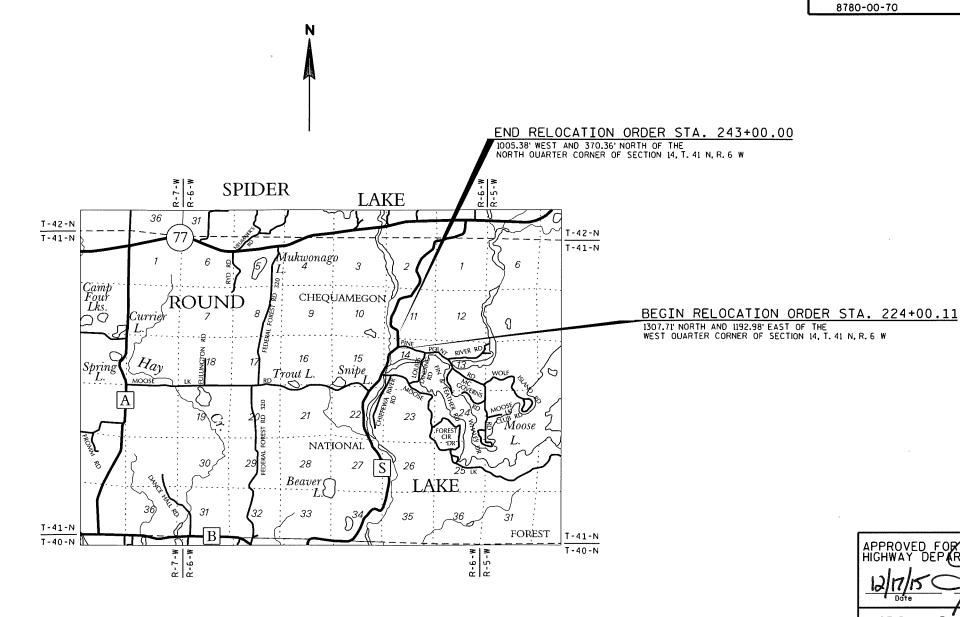
PLAT OF RIGHT OF WAY REQUIRED FOR CTH B - STH 77 (FH 41)

MOOSE LAKE ROAD TO STH 77

CONSTRUCTION PROJECT NUMBER

8780-00-70

CTH S



NOTES:

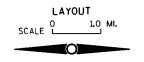
ELECTRIC TOWER

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, SAWYER COUNTY, NAD 1983 (1991) IN U.S. SURVEY FEET, VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

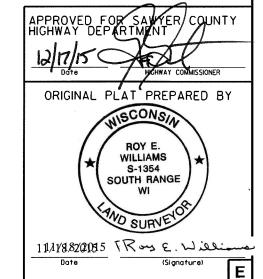
RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS (3/4-INCH \times 24-INCH REBARS), AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS OF PUBLIC RECORD".

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT SAWYER COUNTY HIGHWAY COMMISSIONER.



TOTAL NET LENGTH OF CENTERLINE = 0.360 MI.



SCHEDULE OF LANDS & INTERESTS REQUIRED

APPROXIMATE AND ARE DERIVED FROM TAX ROLLS OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA TO BE ACQUIRED.

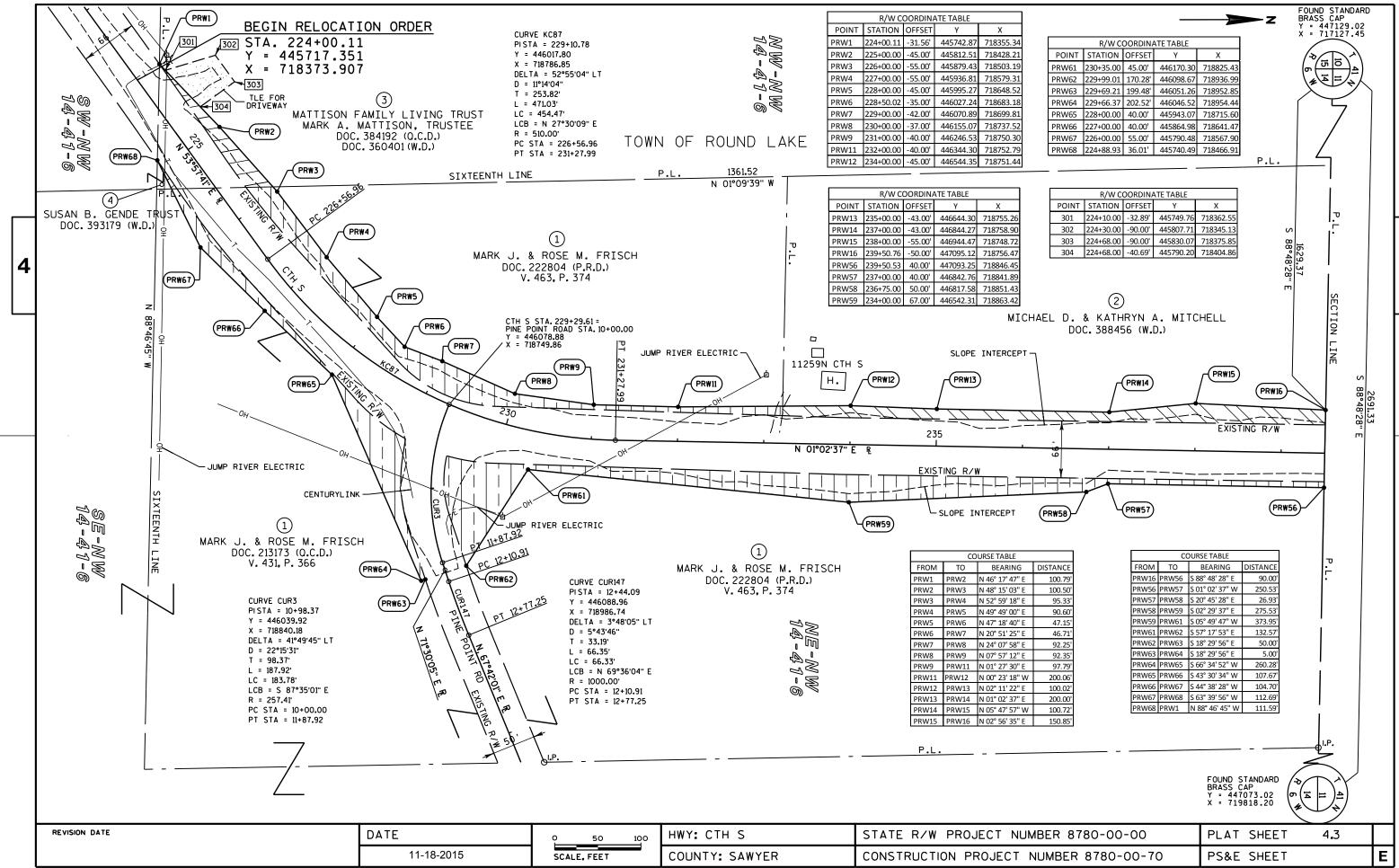
AREAS SHOWN IN THE TOTAL ACRES COLUMN MAY BE

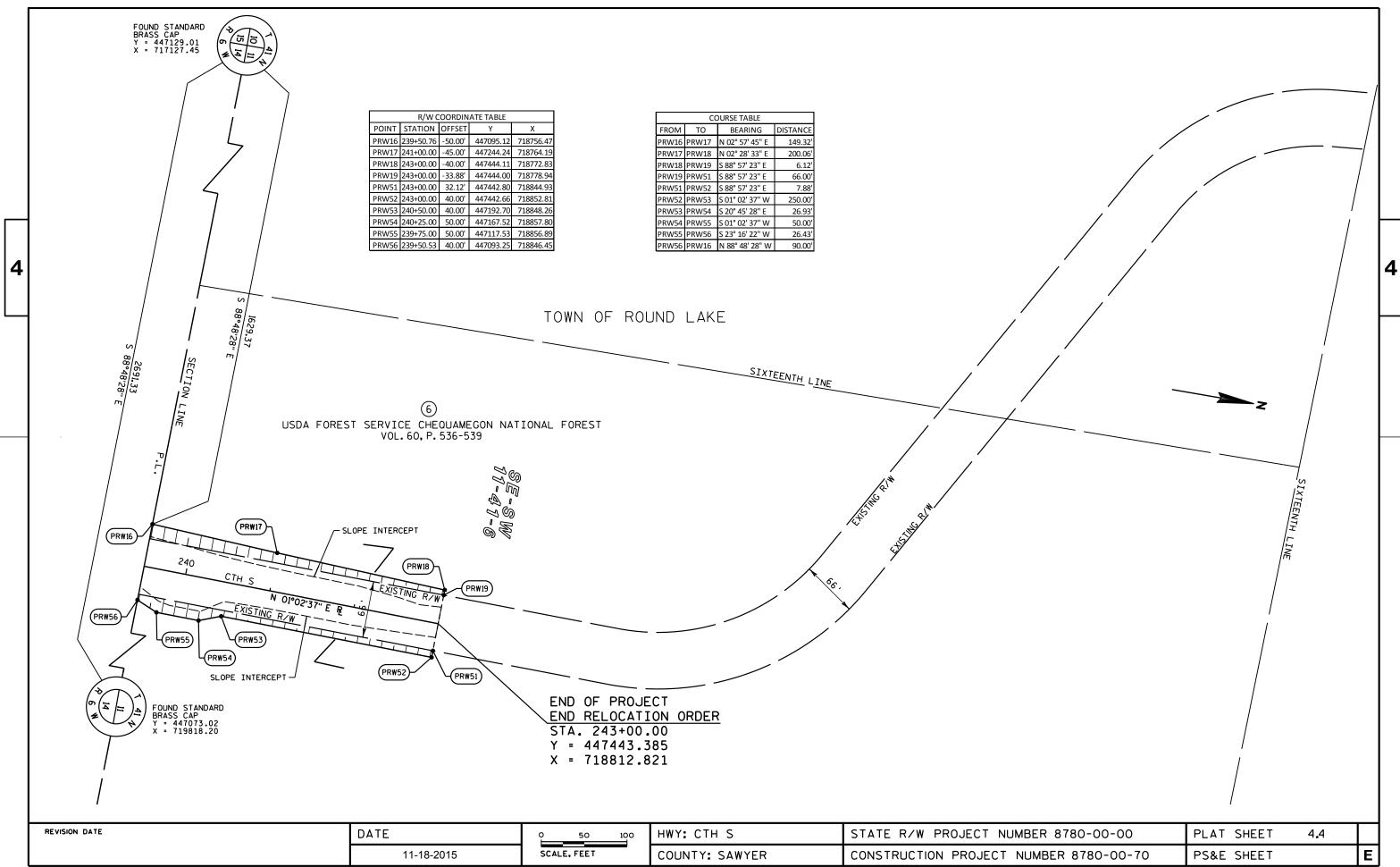
ROUTE	COUNTY	DATE	R/W PROJECT NUMBER	SHEET
			8780-00-00	NUMBER
CTIL C	CAMPED	11-18-2015	CONSTRUCTION PROJECT NO.	
CTH S SAWYER			8780-00-70	4.2
	NOT TO SC	CALE		

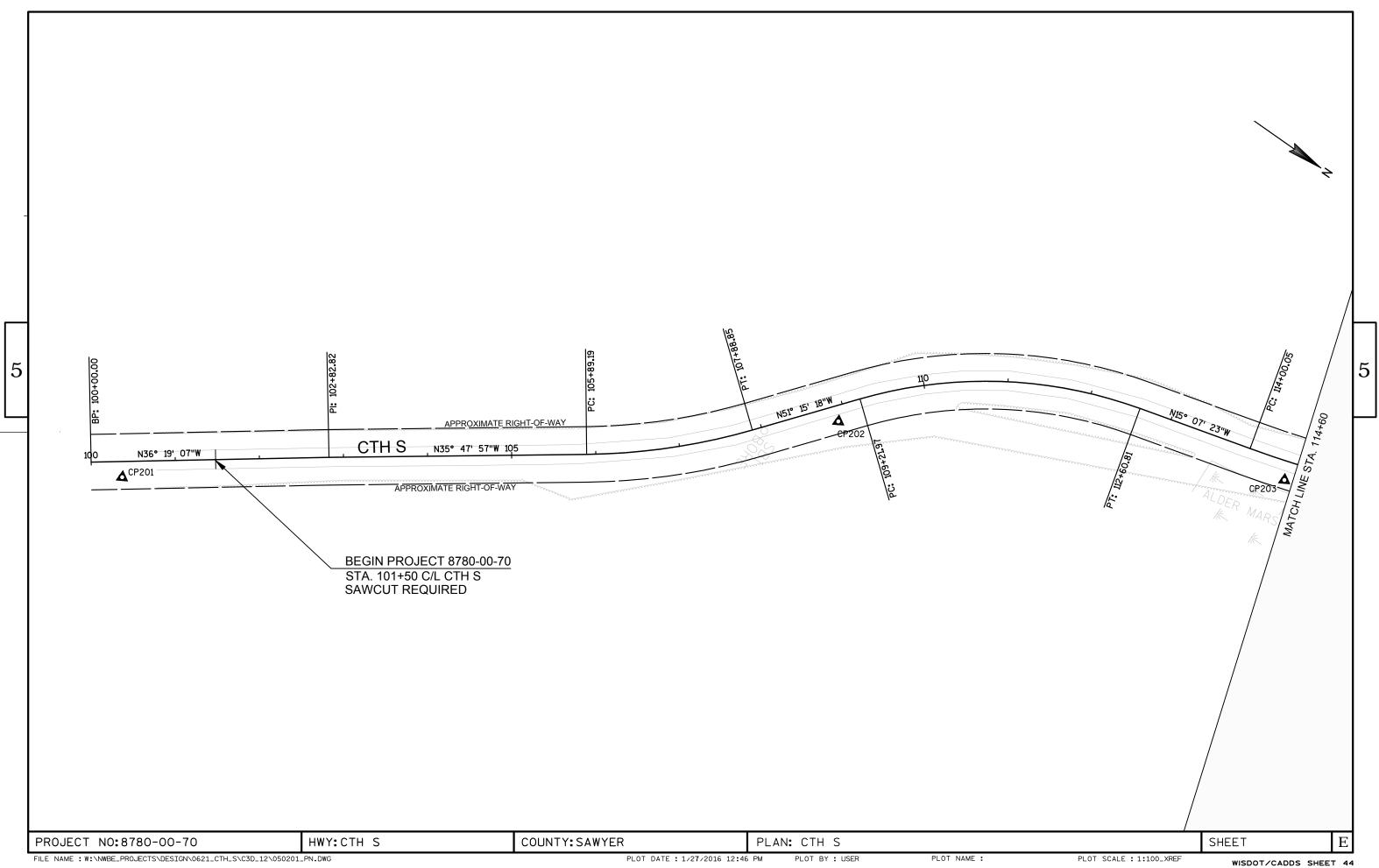
(C) INDICATES CALCULATED AREA, BASED ON RECORD INFORMATION

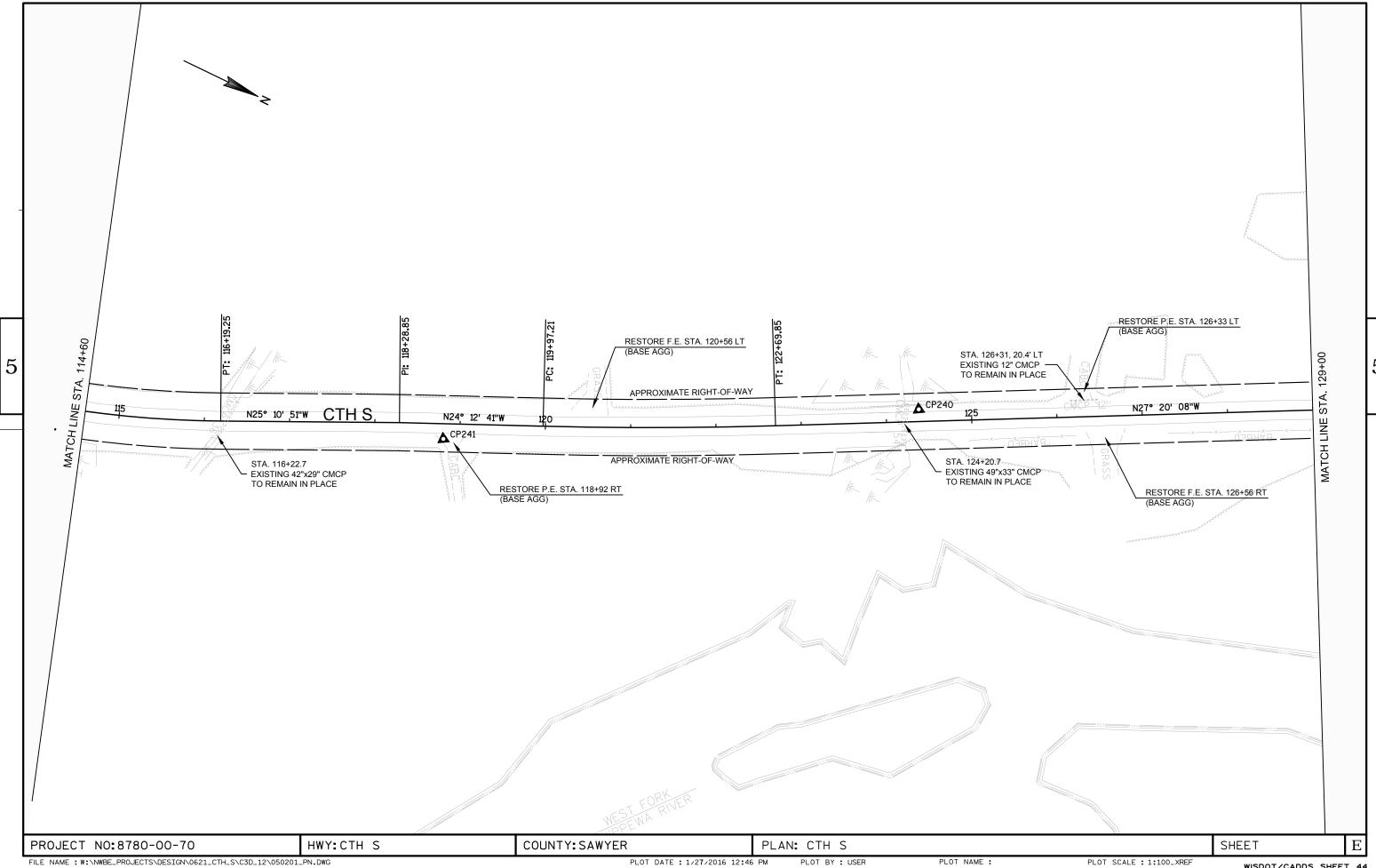
PARCEL NUMBER	SHEET NUMBER	OHIVEIT (5)		TOTAL ACRES OR (S.F.)	R./ NEW	W ACRES REQUIR OR (S.F.) EXISTING	ED TOTAL	TOTAL ACRES OR (S.F.) REMAINING	H.E. ACRES OR (S.F.)	TLE ACRES OR (S.F.)
1	4.3	MARK J. & ROSE M. FRISCH (DOC. 222804)	FEE	6.07	0.78	N/A	0.78	5.29	-	-
1	4.3	MARK J. & ROSE M. FRISCH (DOC. 213173)	FEE	9.88	0.18	N/A	0.18	9.70	-	-
2	4.3	MICHAEL D. & KATHRYN A. MITCHELL	FEE	4.15	0.21	N/A	0.21	3.94	-	-
3	4.3	MATTISON FAMILY LIVING TRUST	FEE, TLE	39.99	0.06	N/A	0.06	39.93	-	0.06
4	4.3	SUSAN B. GENDE TRUST	FEE	0.40	0.01	N/A	0.01	0.39	-	-
6	4.4	USDA FOREST SERVICE CHEQUAMEGON NATIONAL FOREST	H.E.	N/A	N/A	N/A	N/A	N/A	0.17	-

REVISION DATE

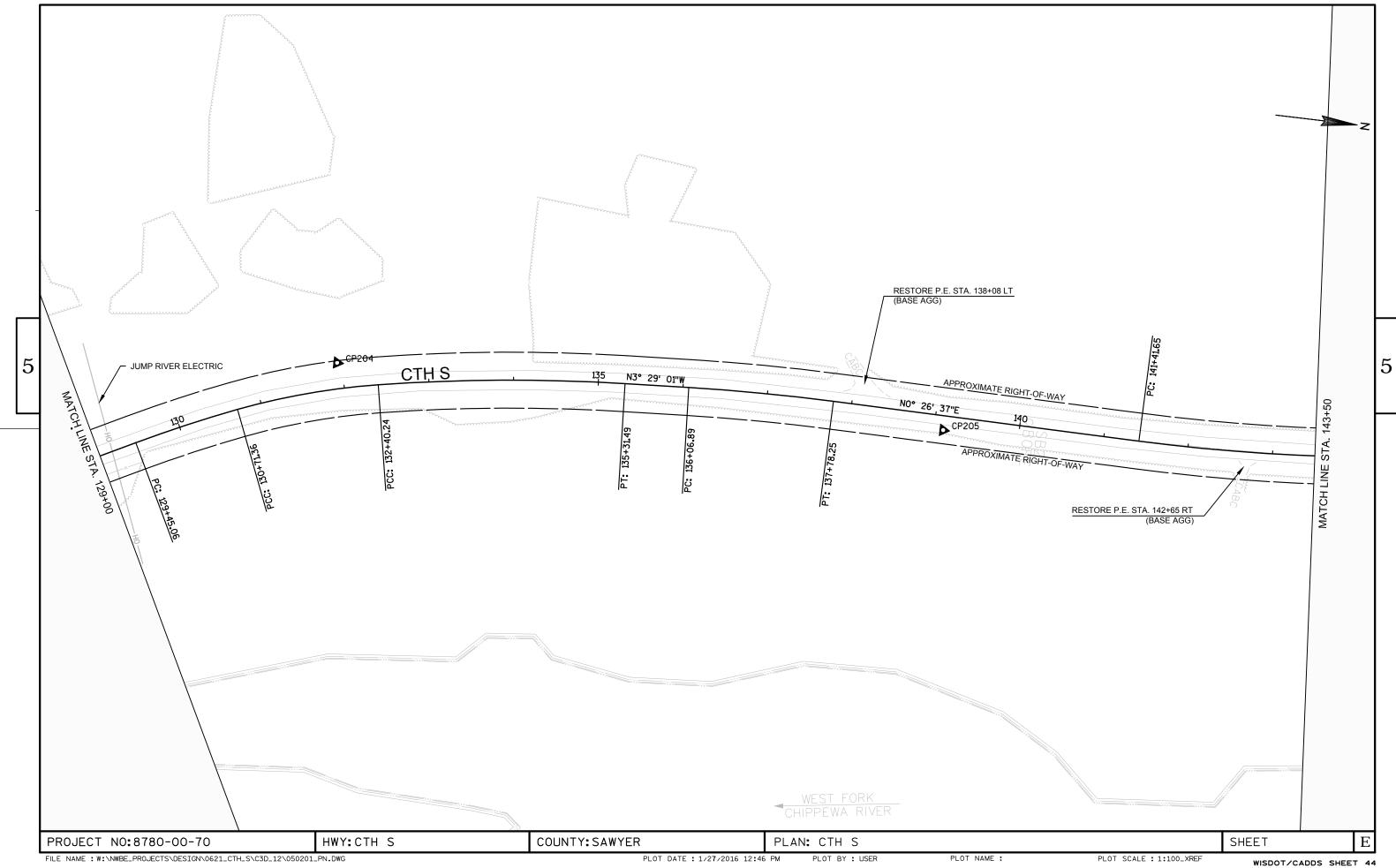


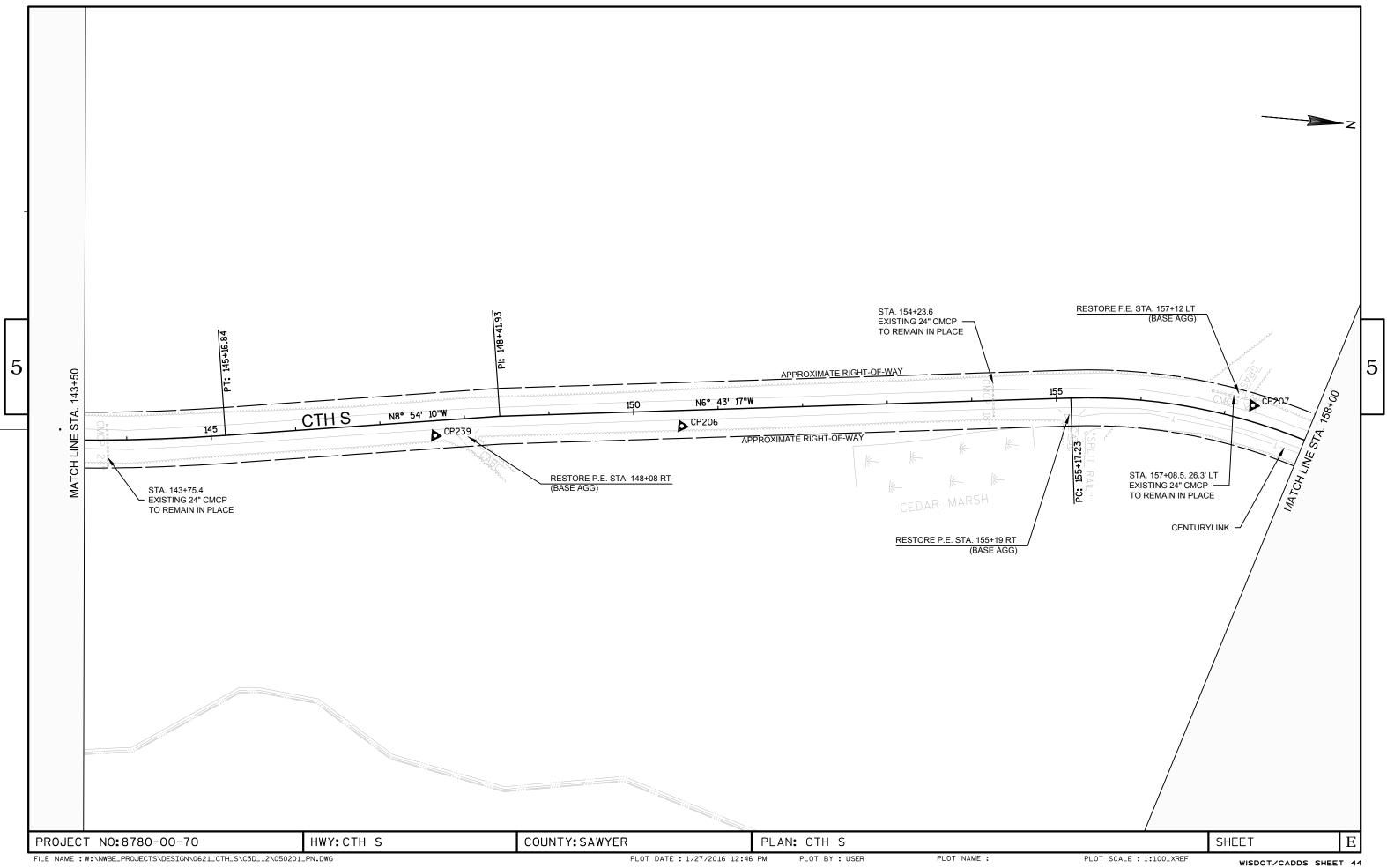


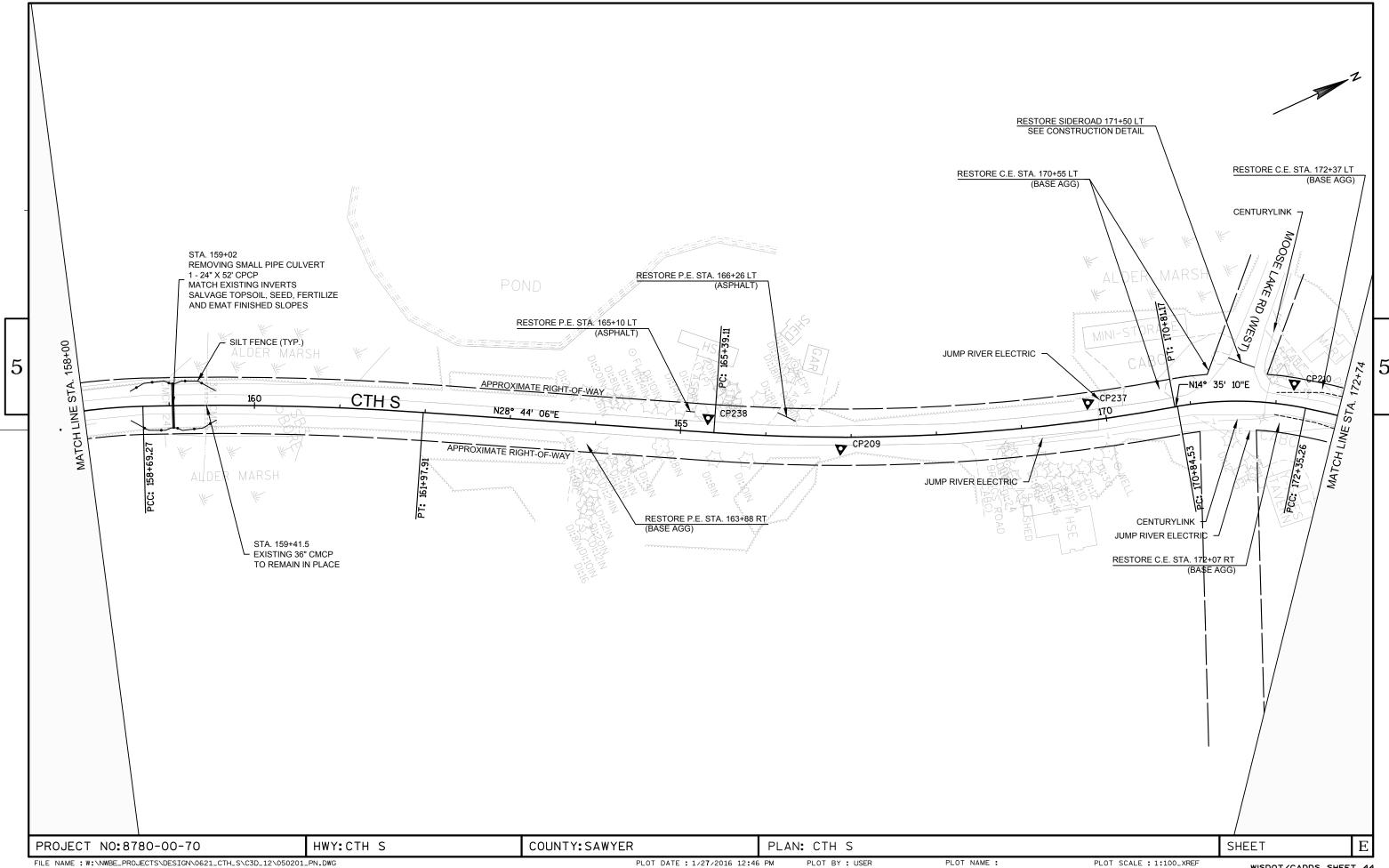




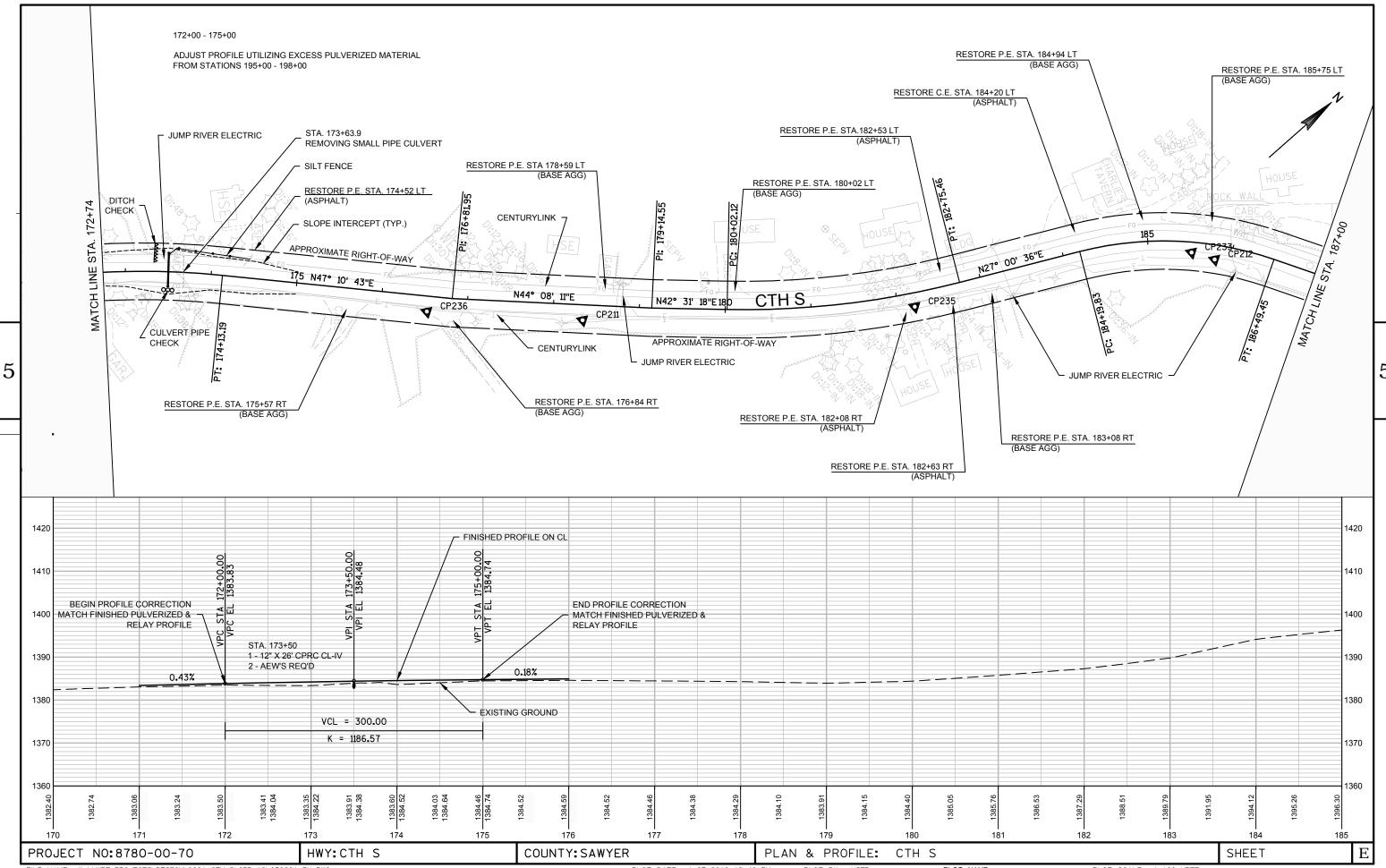
WISDOT/CADDS SHEET 44



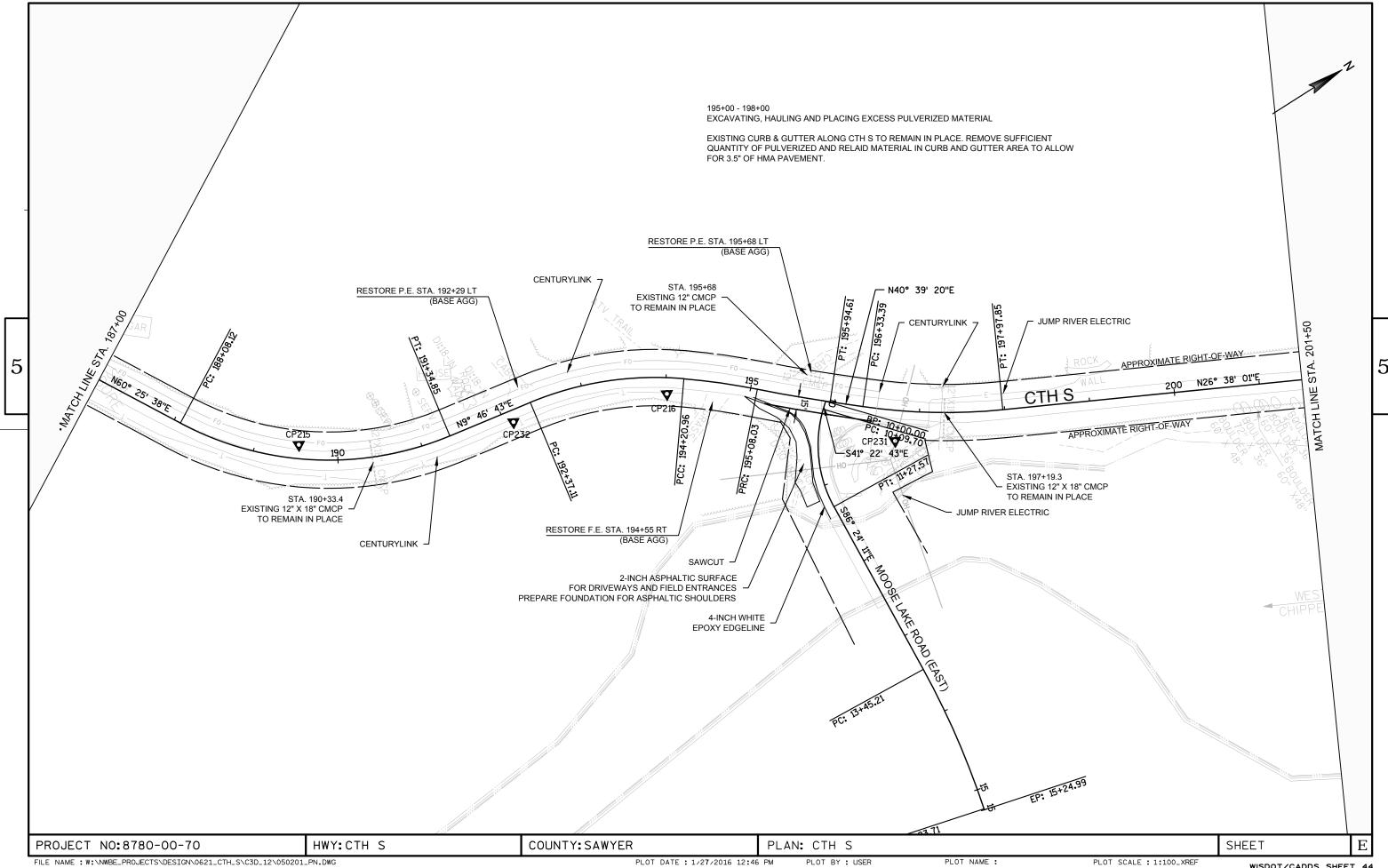




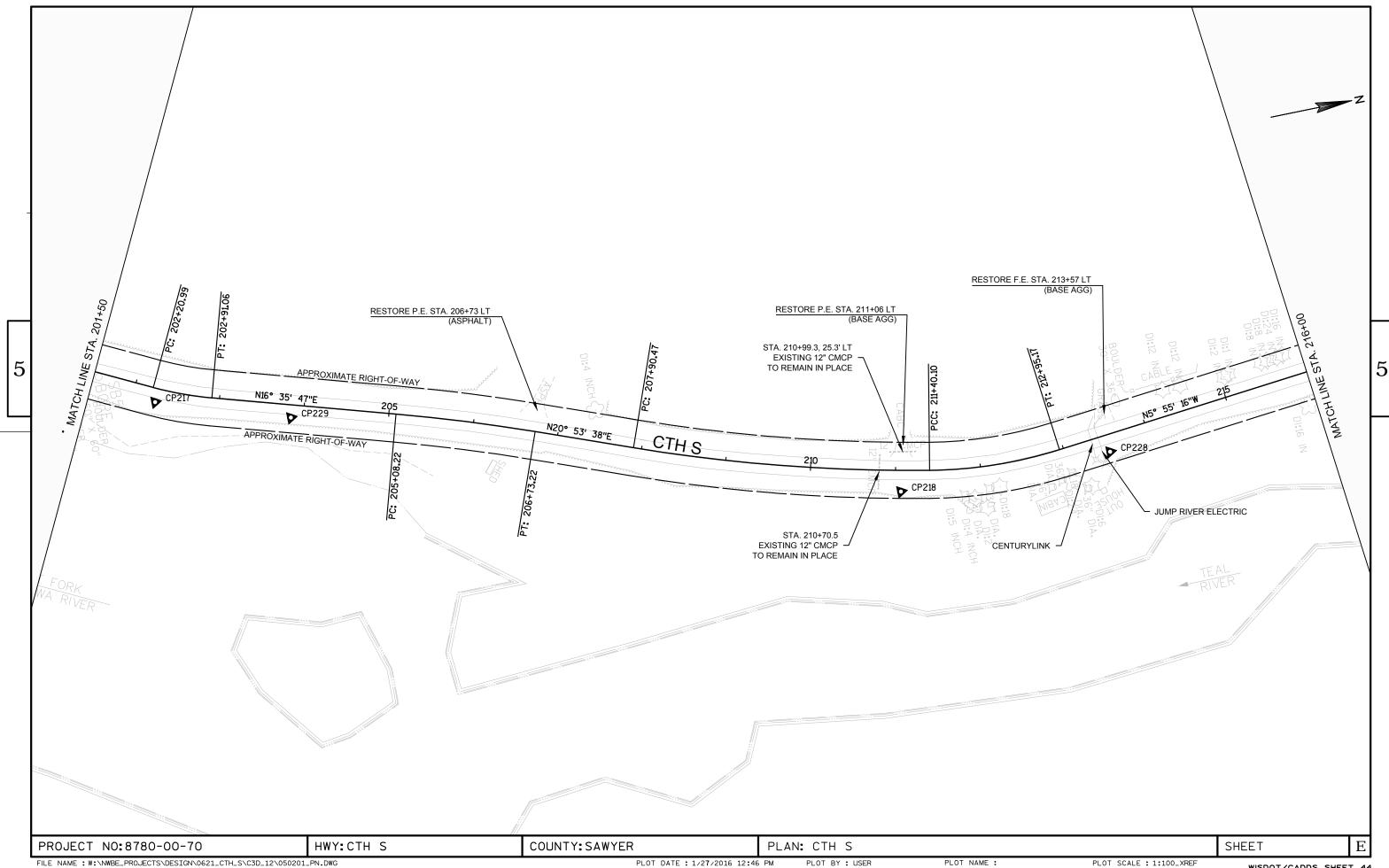
WISDOT/CADDS SHEET 44



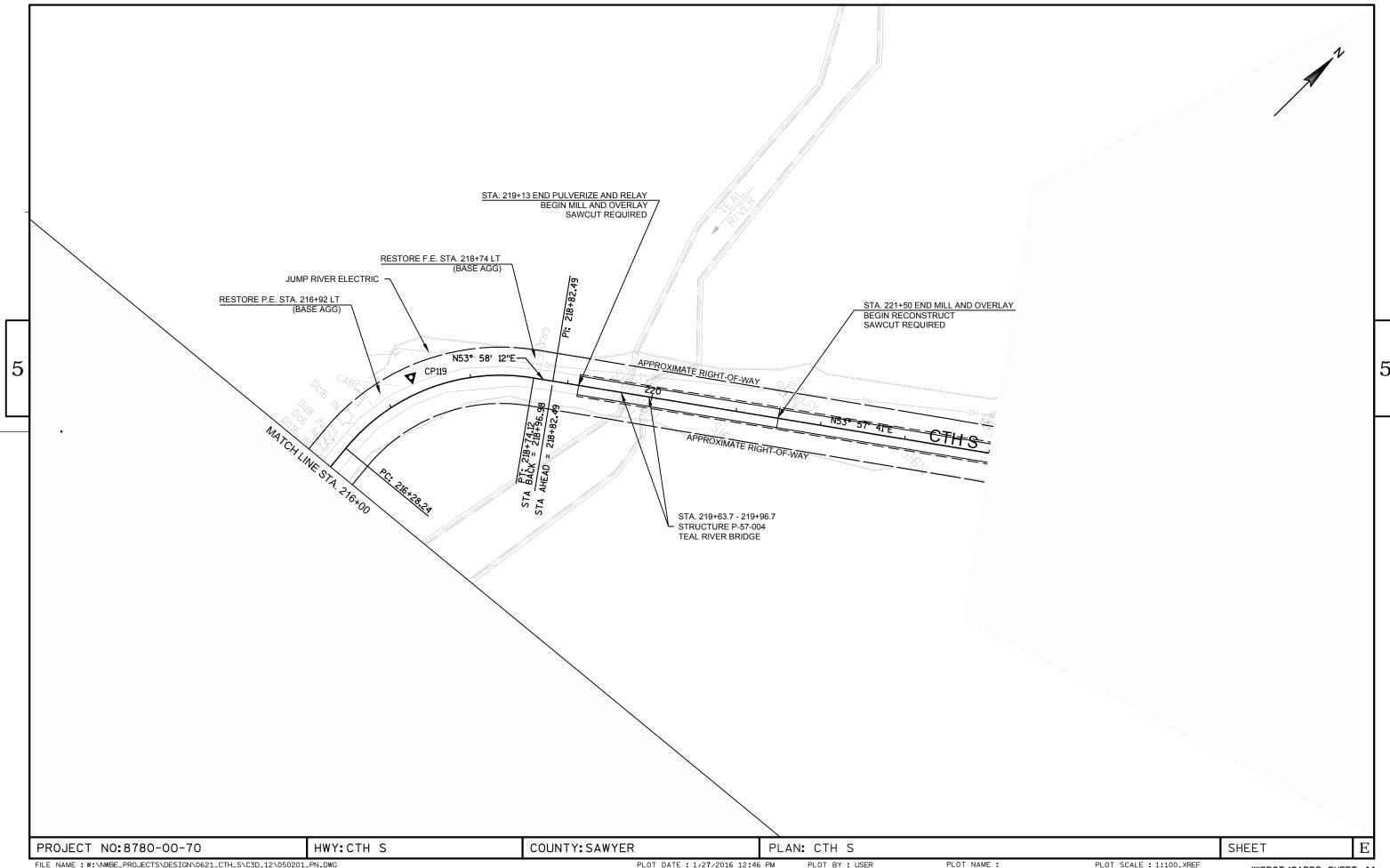
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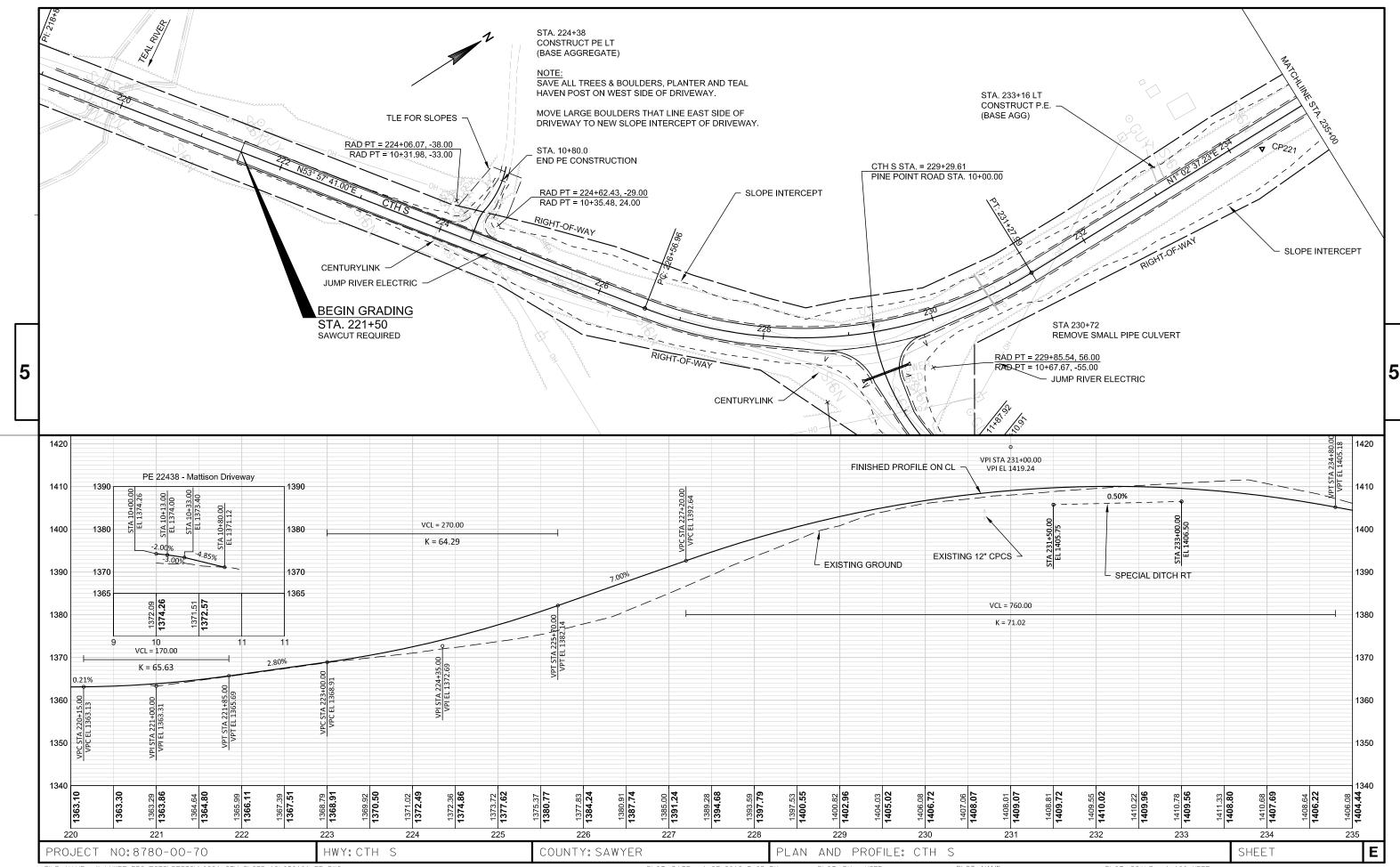
WISDOT/CADDS SHEET 44



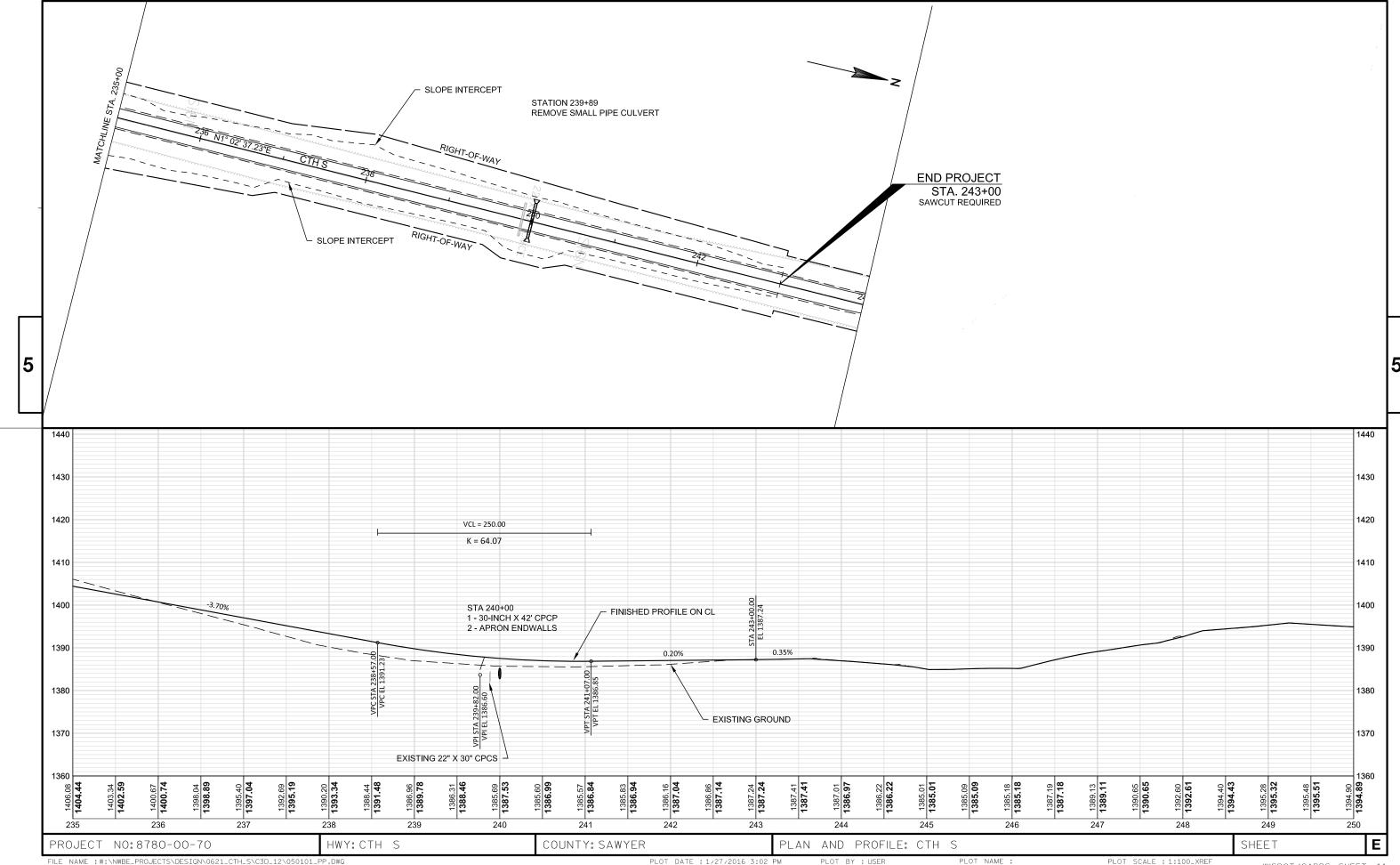
PLOT DATE: 1/27/2016 12:46 PM PLOT BY : USER PLOT SCALE : 1:100_XREF WISDOT/CADDS SHEET 44

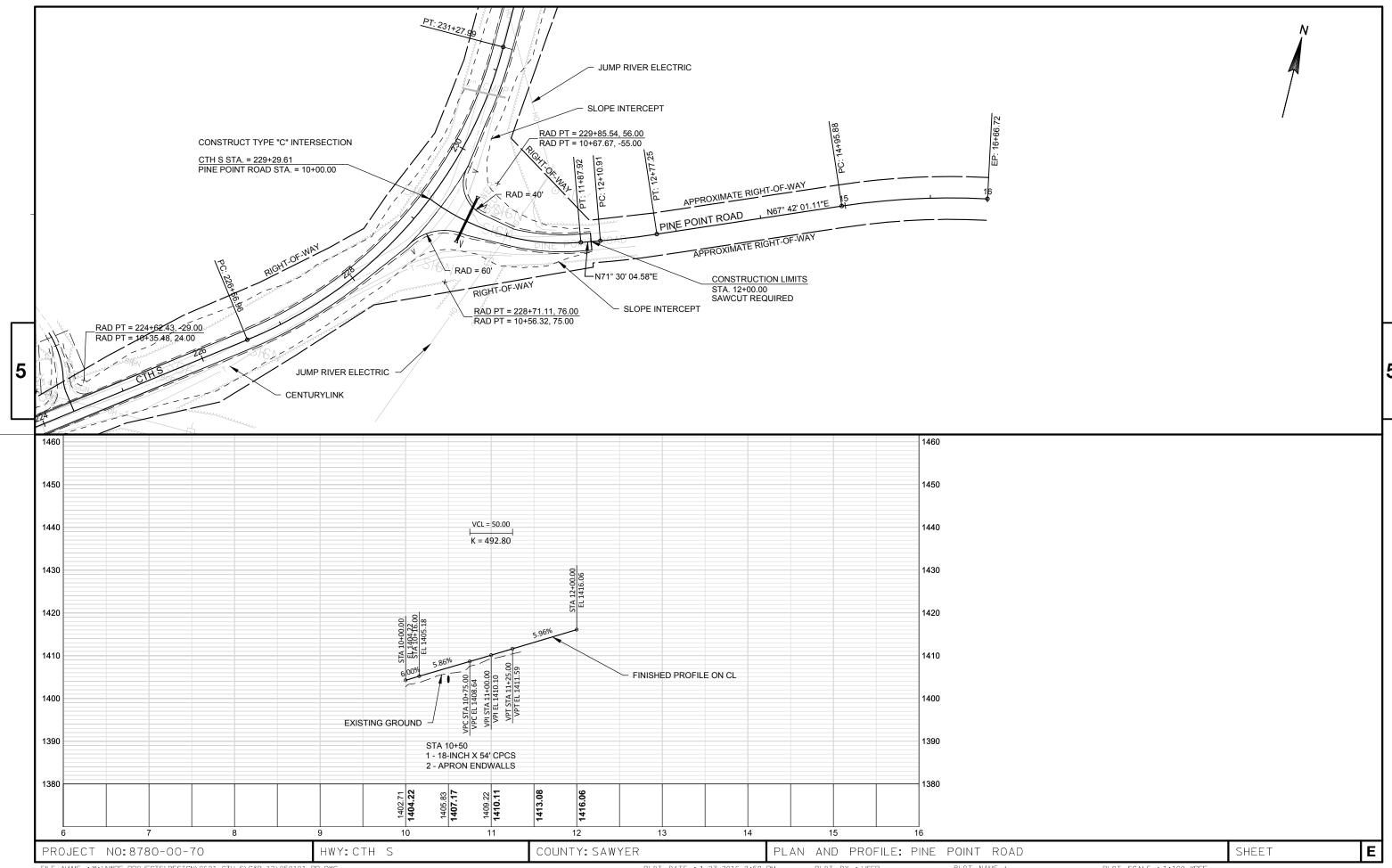


FILE NAME : W:\NWBE_PROJECTS\DESIGN\0621_CTH_S\C3D_12\050201_PN.DWG PLOT DATE: 1/27/2016 12:46 PM PLOT BY : USER PLOT SCALE : 1:100_XREF WISDOT/CADDS SHEET 44









FILE NAME : W:\NWBE_PROJECTS\DESIGN\0621_CTH_S\C3D_12\050101_PP.DWG PLOT BY: USER PLOT NAME: PLOT BY: USER PLOT SCALE: 1:100_XREF WISDOT/CADDS SHEET 44

Standard Detail Drawing List

08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E14-01	TRACKING PAD
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09A01-13A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
15A01-12A	MARKER POST FOR RIGHT-OF-WAY
15A01-12B	FLEXIBLE MARKER POST FOR RIGHT-OF-WAY
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-06A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C04-03	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C12-04	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15A03-02B 15C02-06A 15C02-06B 15C02-06C 15C04-03 15C08-16A	FLEXIBLE MARKER POST FOR CULVERT END BARRICADES AND SIGNS FOR MAINLINE CLOSURES BARRICADES AND SIGNS FOR MAINLINE CLOSURES DETOUR SIGNING FOR MAINLINE CLOSURES TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFF

6

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.



WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF **EROSION BALES / TEMPORARY** DITCH CHECKS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

6/04/02 /S/ Beth Connestro
CHIEF ROADWAY DEVELOPMENT ENGINEER

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TYPICAL APPLICATION OF SILT FENCE

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PLAN VIEW SILT FENCE AT MEDIAN SURFACE DRAINS



GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

- \bigcirc HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- ② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- 3 WOOD POSTS SHALL BE A MINIMUM SIZE OF 11/8" X 11/8" OF OAK OR HICKORY.
- 4) SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
- (5) CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



TRENCH DETAIL



SILT FENCE TIE BACK

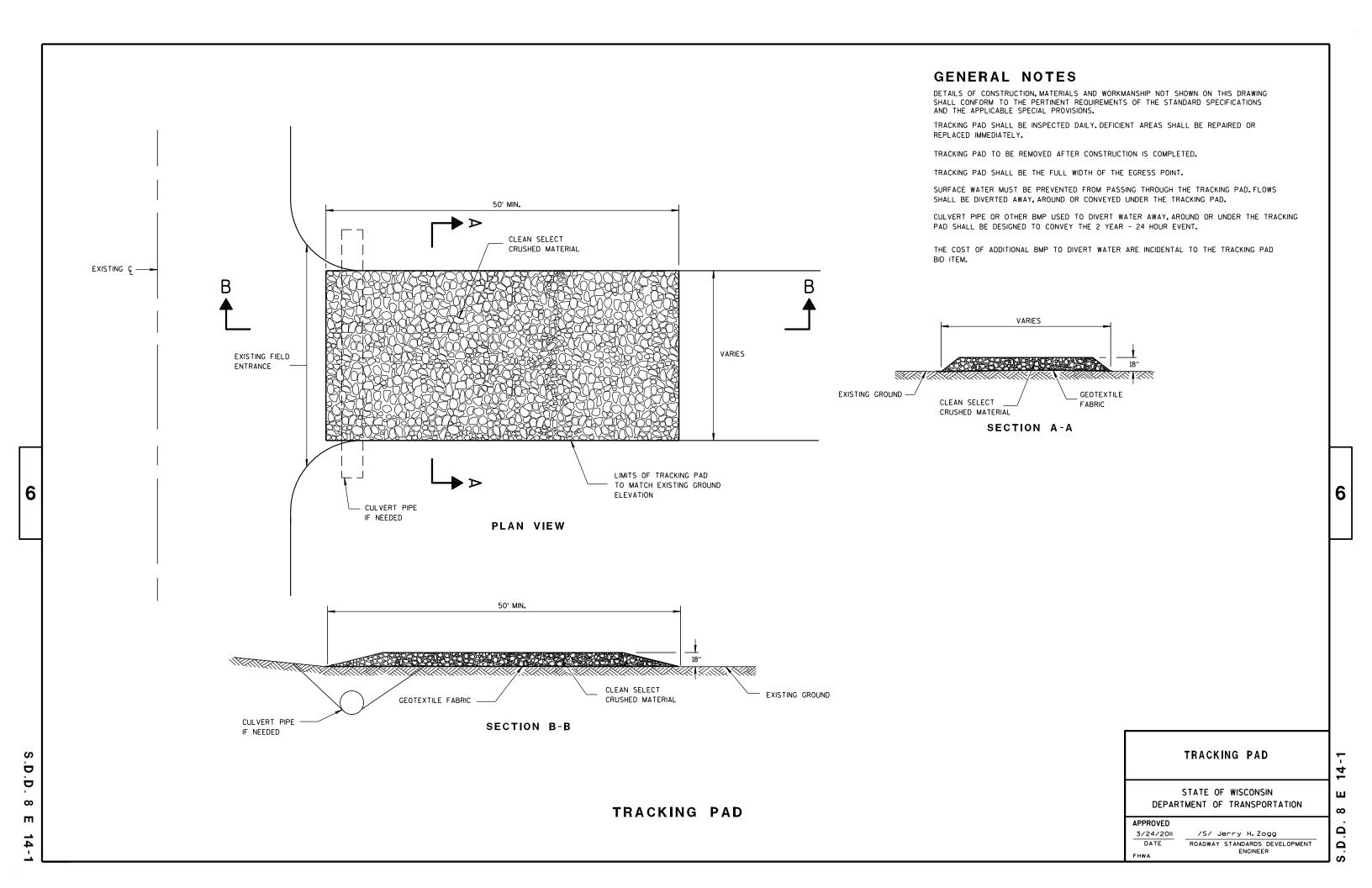
(WHEN REQUIRED BY THE ENGINEER)



SILT FENCE

S.D.D. 8 E 9-6

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			1	METAL	APR	ON EN	NDWAL	.LS			
PIPE	MIN. 1	THICK.			DIMENS	SIONS (I	nches)			APPROX.	
DIA.	(Incl		A	В	Н	L	Γį	L ₂	W	SLOPE	BODY
(IN.)	STEEL	ALUM.	(±1")	(MAX.)	(±1")	(±1 ½")	①	0	(±2")	320.2	
12	.064	.060	6	6	6	21	12	171/2	24	2½+o 1	1Pc.
15	.064	.060	7	8	6	26	14	213/4	30	21/2+o 1	1Pc.
18	.064	.060	8	10	6	31	15	281/4	36	21/2+o 1	1Pc.
21	.064	.060	9	12	6	36	18	295/8	42	21/2+o 1	1Pc.
24	.064	.075	10	13	6	41	18	371/4	48	21/2+o 1	1Pc.
30	.079	.075	12	16	8	51	18	521/4	60	21/2+0 1	1Pc.
36	.079	. 105	14	19	9	60	24	59¾	72	21/2+o 1	2 Pc.
42	.109	.105	16	22	11	69	24	75%	84	21/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 ¹ / ₄ +o 1	3 Pc.
54	.109	.105	18	30	12	84	30	851/2	102	2 ¹ / ₄ †o 1	3 Pc.
60	.109×	.105×	18	33	12	87	_	_	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	_	_	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	_	_	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	_	_	132	11/2+0 1	3 Pc.
84	.109×	.105×	18	45	12	87	_	_	138	11/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	_	_	144	11/2+0 1	3 Pc.
96	.109×	.105×	18	35	12	87	_	_	150	1/2+0 1	3 Pc.

	RE	INFORC	ED C	ONCRET	E APRO	N E	NDWAL	.LS
PIPE			DIM	ENSIONS	(Inches)			APPROX.
DIA.	T	A	В	С	D	Ε	G	SLOPE
12	2	4	24	48 1/8	721/8	24	2	3 to 1
15	21/4	6	27	46	73	30	21/4	3 to 1
18	21/2	9	27	46	73	36	21/2	3 to 1
21	23/4	9	36	371/2	731/2	42	23/4	3 to 1
24	3	91/2	431/2	30	731/2	48	3	3 to 1
27	31/4	101/2	491/2	24	731/2	54	31/4	3 to 1
30	$3\frac{1}{2}$	12	54	193/4	731/2	60	31/2	3 to 1
36	4	15	63	34¾	97¾	72	4	3 to 1
42	$4\frac{1}{2}$	21	63	35	98	78	41/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	51/2		65	**************************************	8 ¹ / ₄ - 100	90	51/2	2% to 1
60	6	* * * 30-35	60	39	99	96	5	2 to 1
66	61/2	* * * 24-30	* * * 72-78	* * * 21-27	99	102	51/2	2 to 1
72	7	* ** 24-36	78	21	99	108	6	2 to 1
78	71/2	* ** 24-36	78	21	99	114	61/2	2 to 1
84	8	36	901/2	21	1111/2	120	61/2	1½+o 1
90	81/2	41	871/2	24	1111/2	132	61/2	11/2+0 1

THREADED %6" DIA. ROD CONNECTOR AROUND CULVERT & THROUGH TANK TYPE CONNECTOR LUG LUG OR ALTERNATE CONNECTOR STRAP (SEE DETAIL) MEASURED LENGTH OF CULVERT TYPE 1 FOR 12" THRU 24" CORR. PIPE







NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL.

CORRUGATED PIPE. FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5

DIMPLED BAND MAY BE USED WITH HELICALLY

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

1" WIDE, 12 GA. (0.109" THICK) GALVANIZED STRAP WITH STANDARD 6" X 1/2" BAND BOLT AND NUT ALTERNATE FOR TYPE 1 CONNECTION END SECTION CONNECTOR STRAP

* EXCEPT CENTER PANEL SEE GENERAL NOTES





SHOULDER

SLOPE



SIDE ELEVATION METAL ENDWALLS



**MAXIMUM





CONCRETE ENDWALLS

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA, GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE

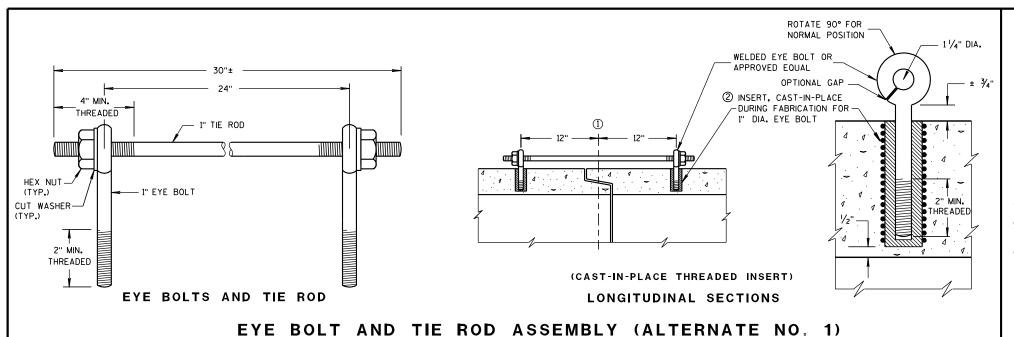
LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES. THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

(1) FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.



11/30/94 /S/ Rory L. Rhinesmith CHIEF ROADWAY DEVELOPMENT ENGINEER



GENERAL NOTES

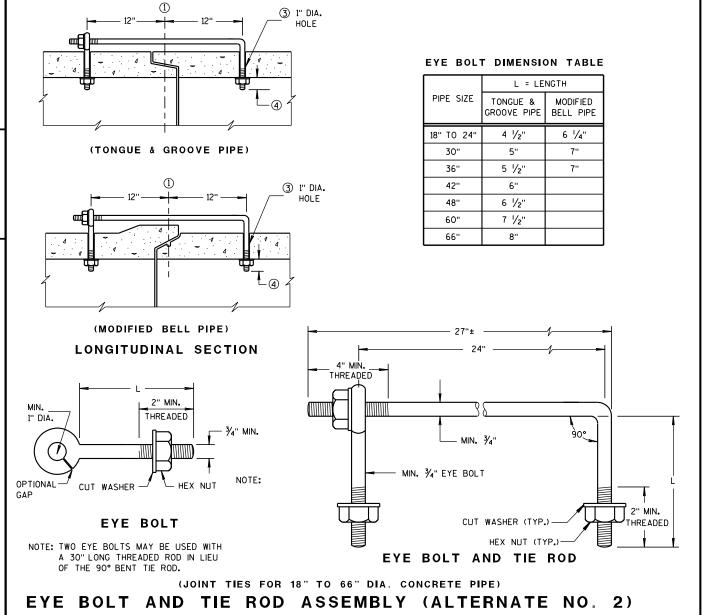
DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES, ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

- (1) & OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.
- THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE
- ${\mathfrak S}$ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ${\mathfrak L}$ OF TONGUE AND GROOVE.
- 4 BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.
- (5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.
- ⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN $rac{1}{2}$ INCH OF THE INNER SURFACE OF THE PIPE.

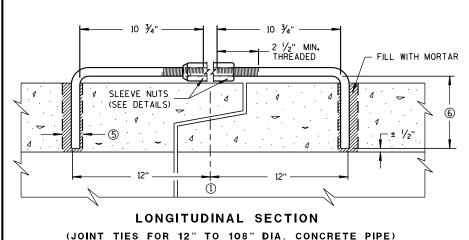


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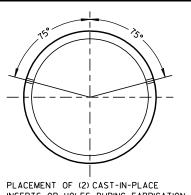
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ADJUSTABLE TIE ROD TABLE 5/8 5 12-60 3/4 5 1/2 3/4 90-108 DIMENSIONS SHOWN ARE IN INCHES **TAPERED** PLAIN RIGHT AND LEFT THREADS **SLEEVE NUTS**

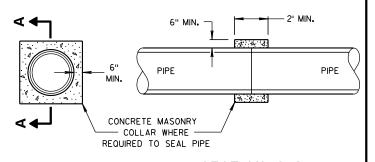


ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

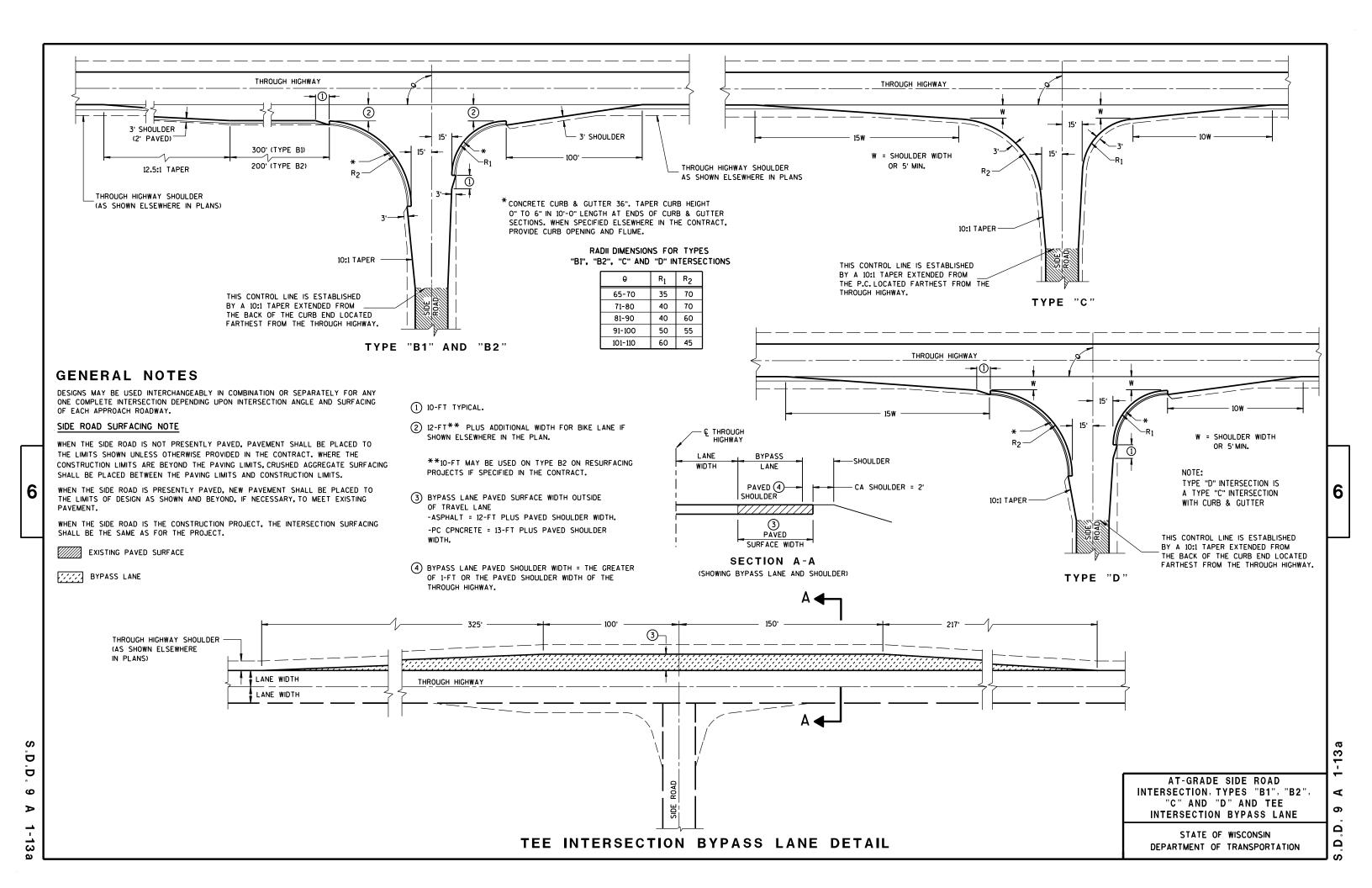
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

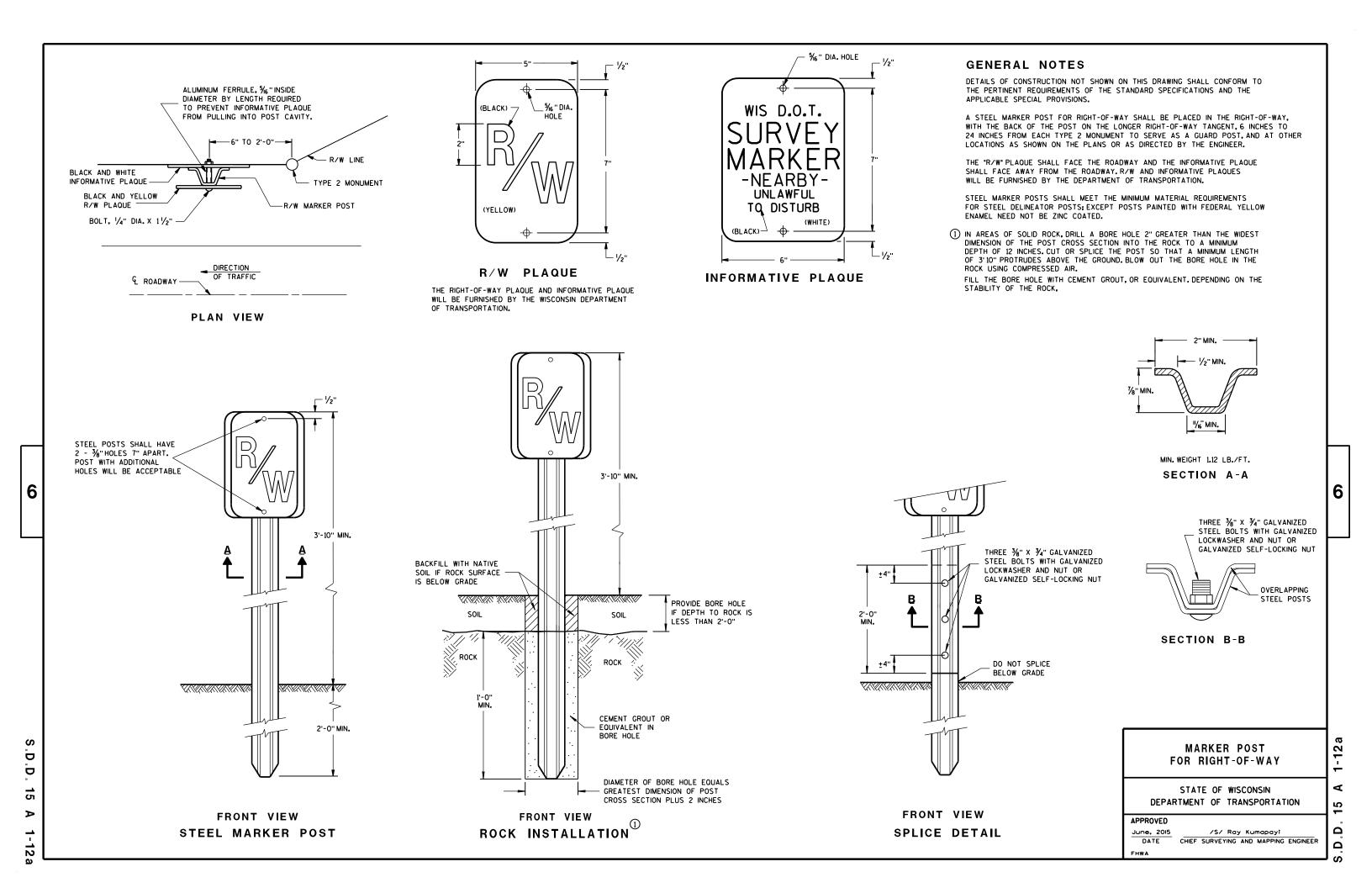
6/5/2012

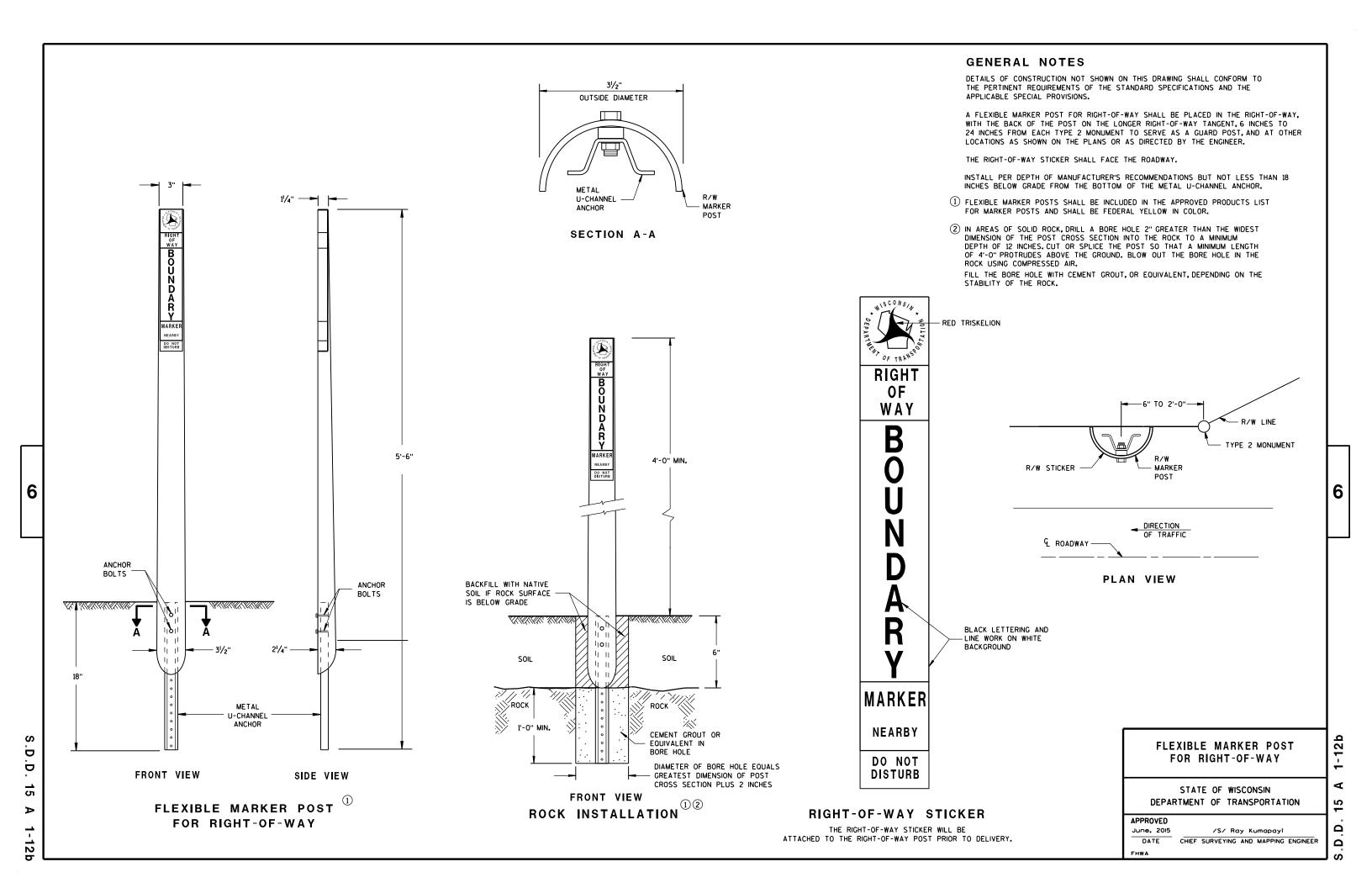
/S/ Jerry H. Zogg DATE ROADWAY STANDARDS DEVELOPMENT ENGINEER

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ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E LANE CLOSURE BARRICADE DETAIL APPROACH VIEW

SEE SDD 15C2-SHEET "a" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE

THE R11-2, R11-3, M4-9, R11-4 AND R10-61 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

"WO AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:

R11-2 SHALL BE 48" X 30". R11-3, R11-4 AND R10-61 SHALL BE 60" X 30". M4-9 SHALL BE 30" X 24". M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.) M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.) M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.) MO5-1 AND MO6-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.) D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS. R1-1 SHALL BE 36" X 36".

- (1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT
- THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.
- FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.
- FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.
- FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.
- INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS. PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.
- "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

2

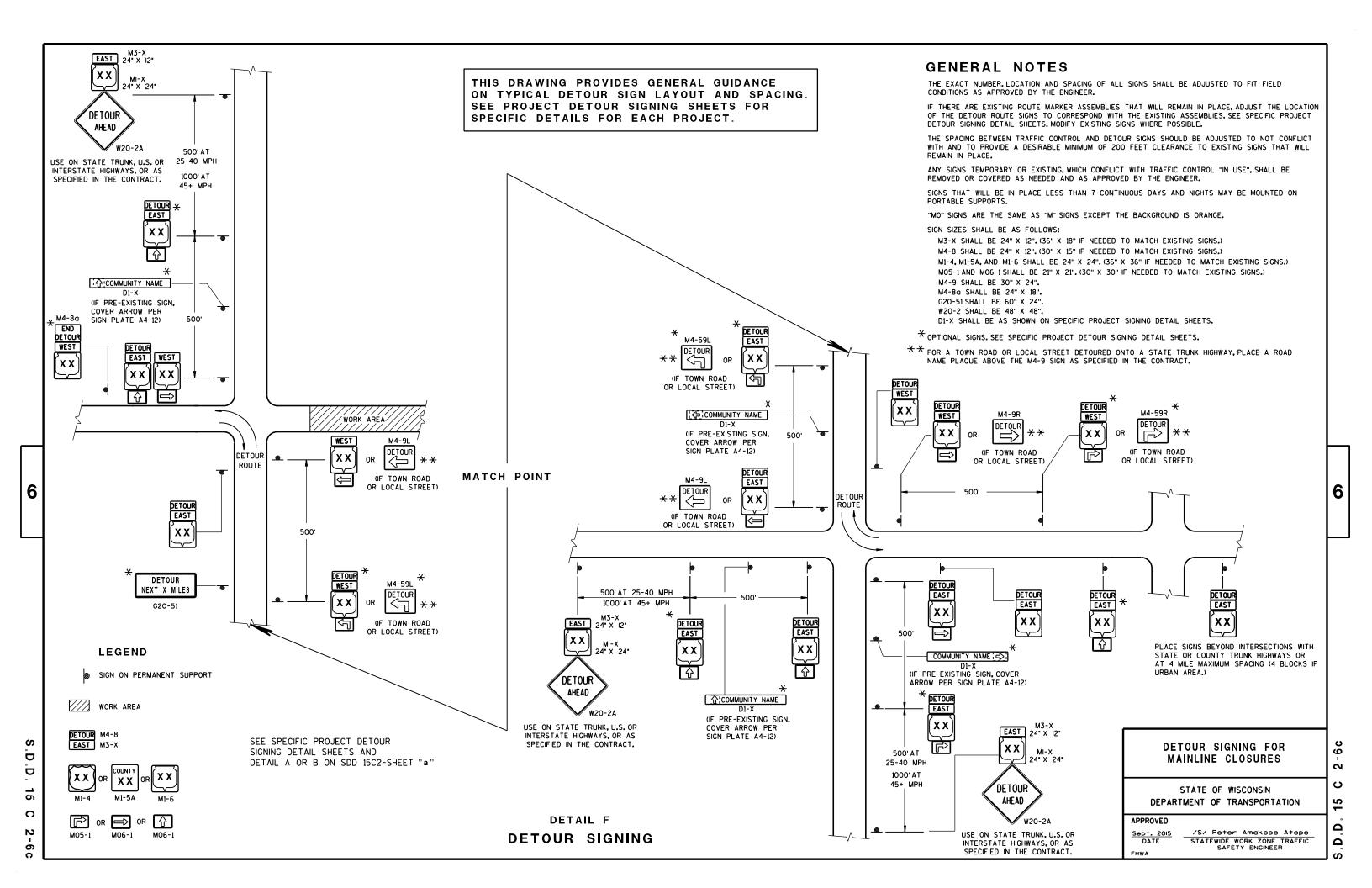
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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

/S/ Peter Amakobe Atepe

STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER



GENERAL NOTES

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THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

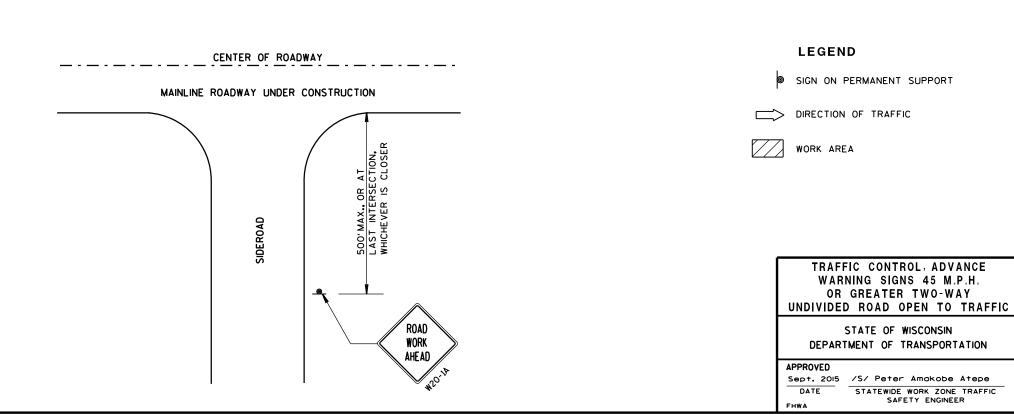
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

- * OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.
- * PLACE ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



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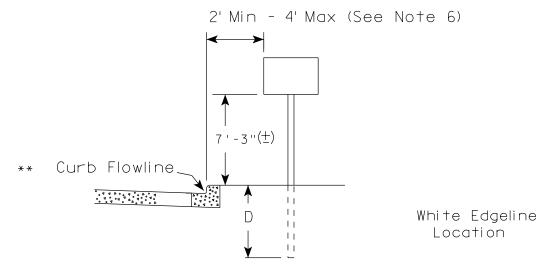
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SAFETY ENGINEER

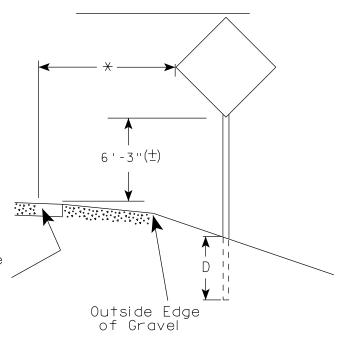




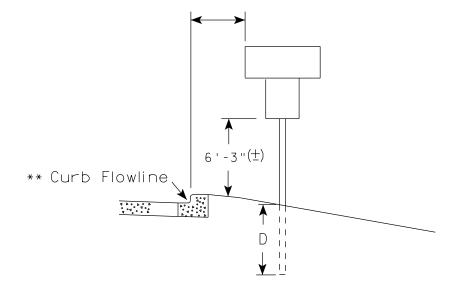
URBAN ARFA



RURAL AREA (See Note 2)



2' Min - 4' Max (See Note 6)



5'-3"(生) D^{-1} Outside Edae of Gravel

White Edgeline Location

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where

there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

HWY:

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

PLOT BY : mscj9h

GENERAL NOTES

- 1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
- 2. If signs are mounted on barrier wall, see A4-10 sign plate.
- 3. For expressways and freeways, mounting height is $7'-3''(\pm)$ or 6'-3" (±) depending upon existence of a sub-sign.
- 4. Minimum mounting height for J assemblies (A2-1S) is $7'-3''(\pm)$ or $6'-3''(\pm)$ per urban or rural detail respectively.
- 5. Minimum mounting height for signs mounted on traffic signal poles is $5' - 3'' (\pm)$.
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. The (+) tolerance for mounting height is 3 inches.
- 8. Folding signs shall be mounted at a height of 5'-3'' (\pm) or as directd by the Engineer.
- 9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (\pm) . The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3'' (\pm).

POST EMBEDMENT DEPTH

Area of Sign	
Installation	D
(Sq. Ft.)	(Min)
20 or Less	4'
Greater than 20	5'

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

for State Traffic Engineer

DATE 7/23/15

PLATE NO. <u>A4-3.20</u>

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A43.DGN

PROJECT NO:

PLOT DATE: 23-JUL-2015 15:21

COUNTY:

PLOT NAME :

PLOT SCALE: 99.237937:1.000000

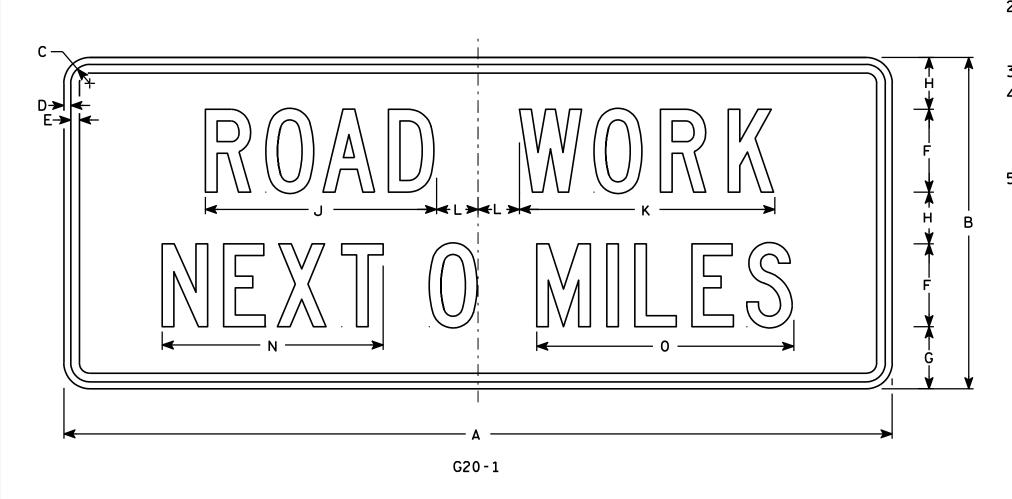




- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Orange Message - Black

- 3. Message Series C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance



Metric equivalent for this sign is:

PROJECT NO:

SIZE				
1				
2	1500	mm X	600	mm
3				
4	1500	mm X	600	mn
5				

SIZE	Α	В	С	D	E	F	C	Н	I	J	K	L	M	N	0	Ρ	0	R	S	Т	C	٧	₩	X	Y	Z	Area sq. ft.	Area m2
1																												
2	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4		16 ¾	18 1/2	3		16	18 %												10	.90
3																												
4	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4		16 ¾	18 1/2	3		16	18 %												10	.90
5																												

COUNTY:

STANDARD SIGN G20-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Chests J Spane for State Traffic Enginee PLATE NO. G20-1.7 DATE 4/8/97

SHEET NO:

FILE NAME : C:\Users\Projects\tr_stdplate\G201.DGN

HWY:

PLOT DATE: 12-0CT-2005 17:02

PLOT BY : DITJPH

PLOT NAME :

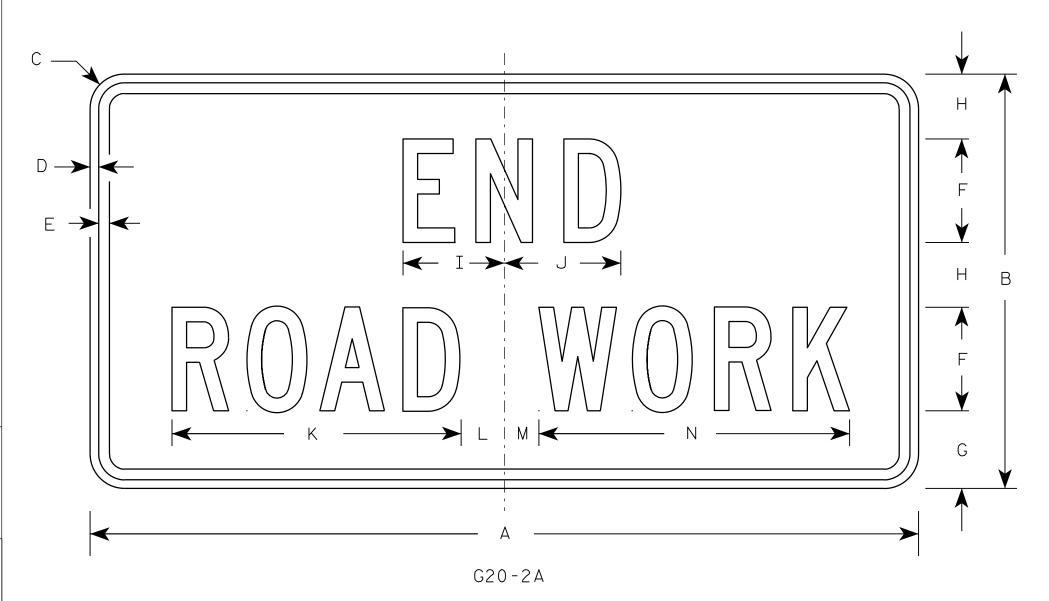
PLOT SCALE: 6.954307:1.000000

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.

2. Color:

Background - Orange Message - Black

- 3. Message Series C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



Metric equivalent for this sign is:

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	Т	U	٧	W	Х	Y	Z	Area sq. ft.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 %	6 3/4	16 ¾	2 1/2	1 3/4	18 ½													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 %	6 3/4	16 ¾	2 1/2	1 3/4	18 ½													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 %	6 3/4	16 ¾	2 1/2	1 3/4	18 ½													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 1/8	6 3/4	16 ¾	2 1/2	1 3/4	18 ½													8.0	0.72

COUNTY:

STANDARD SIGN G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED AND UN A O N

Matther R Lauch

For State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\G202A.DGN

HWY:

PROJECT NO:

PLOT DATE: 30-SEP-2009 09:31

PLOT BY: ditjph

PLOT NAME :

PLOT SCALE: 5.561773:1.000000

- Sign is Type II see Note 7 reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

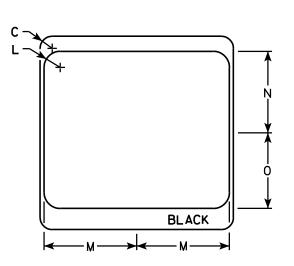
Background - White & Black - See Note 7 Message - Black

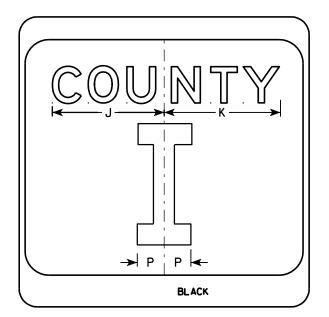
- 3. Message Series see Note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Message Series E for 1 letter.

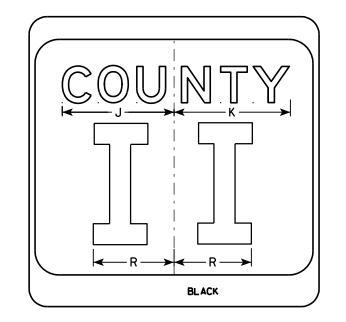
 Message Series D for 2 letters unless
 message is too big then Series C.

 Message Series C for 3 letters unless
 message is too big then Series B.
- 6. Substitute appropriate letters & optically center to achieve proper balance.
- 7. Permanent Signs

Background - Type H Reflective Detour or temporary Signs Background - Reflective







PLOT NAME :

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	0	R	S	Т	U	V	W	Х	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 %									4.0
3	36		2 1/4			16	4	7 %	5 %	12 1/4	12 1/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 %	5 %	12 1/4	12 1/8	3	17 1/8	15 1/4	14	3 %		10									9.0
5	36		2 1/4			16	4	7 5/8	5 %	12 1/4	12 1/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
DDO	IECT	NO.					111	/V.					COUN	TV.													
FRU	JECT	NO.					HV	V I .						I I .					I								

CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

PROVED

Matthew Rauch

Forstate Traffic Engineer

MATE 9/27/11 PLATE NO. M1-5A.8

DATE 9/27/11

SHEET NO:

BLACK

M1-5A

- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Orange Message - Black

- 3. Message Series B
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

	G
	F B G G G G G G G G G G G G G G G G G G
A M4 - 8	Y

Α С E F G H I J S Х Z D 0 10 10 1/4 1 1/8 3/8 3/8 24 2.0 3 36 1 1/8 3/8 1/2 4 1/2 14 5/8 14 1/2 4.5 4 5

COUNTY:

STANDARD SIGN M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

SHEET NO:

PROJECT NO:

HWY:

PLOT NAME :

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.

2. Color:

Background - Orange Message - Black

- 3. Message Series B
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

 $D \longrightarrow$ Н M4-8A

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	٧	w	Х	Y	Z	Area sq. ft.
1																											
2	24	18	1 1/8	3/8	1/2	6	2	2	4 3/4	9 ¾																	3.0
3	30	24	1 1/8	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4																											
5																											

COUNTY:

STANDARD SIGN M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther For State Traffic Engineer

SHEET NO:

DATE 3/9/11

PLATE NO. M4-8A.2

PLOT SCALE: 3.972696:1.000000

WISDOT/CADDS SHEET 42

FILE NAME : C:\Users\PROJECTS\tr_stdplate\M48A.DGN

HWY:

PROJECT NO:

PLOT DATE: 09-MAR-2011 10:29

PLOT BY: mscj9h

PLOT NAME :



- 1. Signs are Type II Type H reflective except as shown
- 2. Color:

Background - See note 4
Message - See note 4

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. M5-1 and M5-2 Background White Message Black

MB5-1 and MB5-2 Background - Blue

Message - White

MK5-1 and MK5-2 Background - Green

Message - White

MM5-1 and MM5-2 Background - White

Message - Green

MN5-1 and MN5-2 Background - Brown

Message - White

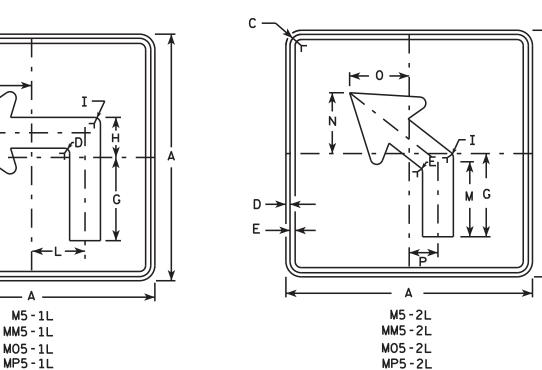
M05-1 and M05-2 Background - Orange - Type F Reflective Message - Black

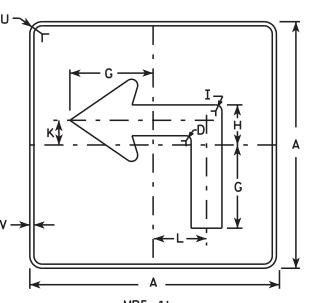
MP5-1 and MP5-2 Background - White - Type H Reflective Message - Blue

MR5-1 and MR5-2 Background - Brown

Message - Yellow

- 5. M5-1R same as M5-1L except arrow points right.
- 6. M5-2R same as M5-2L except arrow tilts right.





MB5-1L MK5-1L MN5-1L

MR5-1L

HWY:

V — M G A MB5-2L

MB5-2L MK5-2L MN5-2L

MN5-2L MR5-2L

R	
≯I≺E	
— N → I	

SIZE	Α	В	3	С	D	Ε	F	G	Н	I	J	К	L	M	N	0	Р	0	R	S	T	U	٧	₩	X	Y	Z	Areg sq. ft.
1																												
2	21			1 1/8	3/8	3/8		7	3 %	5/8		2 1/8	4 1/2	6 %	5 1/4	5	2 1/2		1/2	2 %	3	1 1/2	1/2					3.06
3	30			1 3/8	1/2	5/8		10 1/8	4 1/8	½		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 1/8	1/2					6.25
4	30			1 3/8	1/2	5/8		10 1/8	4 1/8	1 / ₈		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 %	1/2					6.25
5	30			1 3/8	1/2	5/8		10 1/8	4 1/8	⅓ 8	·	3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 1/8	1/2		·			6.25

COUNTY:

STANDARD SIGN

M5-1 & M5-2

WISCONSIN DEPT OF TRANSPORTATION

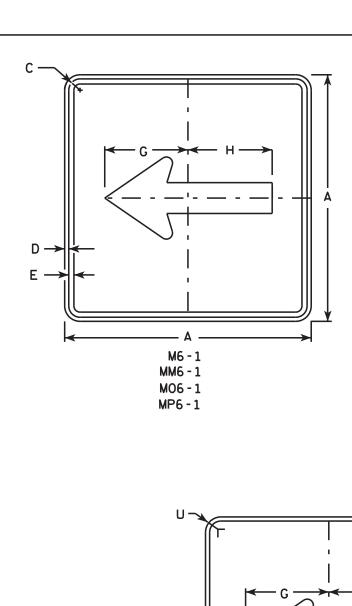
APPROVED

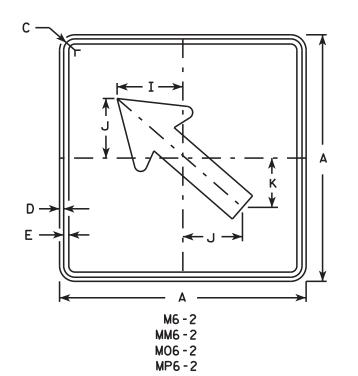
fer State Traffic Engineer

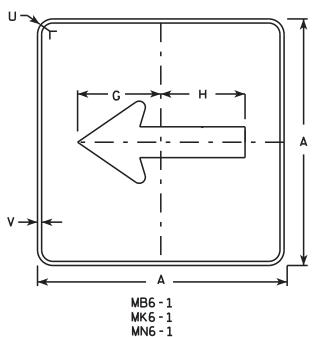
DATE 10/15/15 PLATE NO. M5-1.13

SHEET NO:

PROJECT NO:

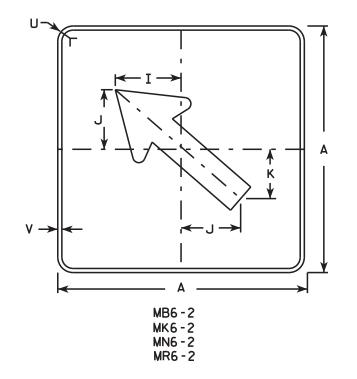






MR6-1

HWY:



NOTES

- 1. Signs are Type II Type H except as Shown
- 2. Color:

Background - See note 4 Message - See note 4

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. M6-1 and M6-2 Background White

Message - Black

MB6-1 and MB6-2 Background - Blue

Message - White

MK6-1 and MK6-2 Background - Green

Message - White

MM6-1 and MM6-2 Background - White

Message - Green

MN6-1 and MN6-2 Background - Brown

Message - White

M06-1 and M06-2 Background - Orange - Type F Reflective

Message - Black

MP6-1 and MP6-2 Background - White

Message - Blue

MR6-1 and MR6-2 Background - Brown

Message - Yellow

M T	
¥ E	
L — I	

SIZE	Α	В	С	D	E	F	G	н	I	J	K	L	M	N	0	Р	0	R	S	Т	U	٧	W	х	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 %	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 ¾	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 1/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 1/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 ¾	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 %	1/2					6.25

COUNTY:

STANDARD SIGN M6-1 & M6-2 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauh

for State Traffic Engineer

DATE 10/15/15

15 PLATE NO. M6-1.15

SHEET NO: | |

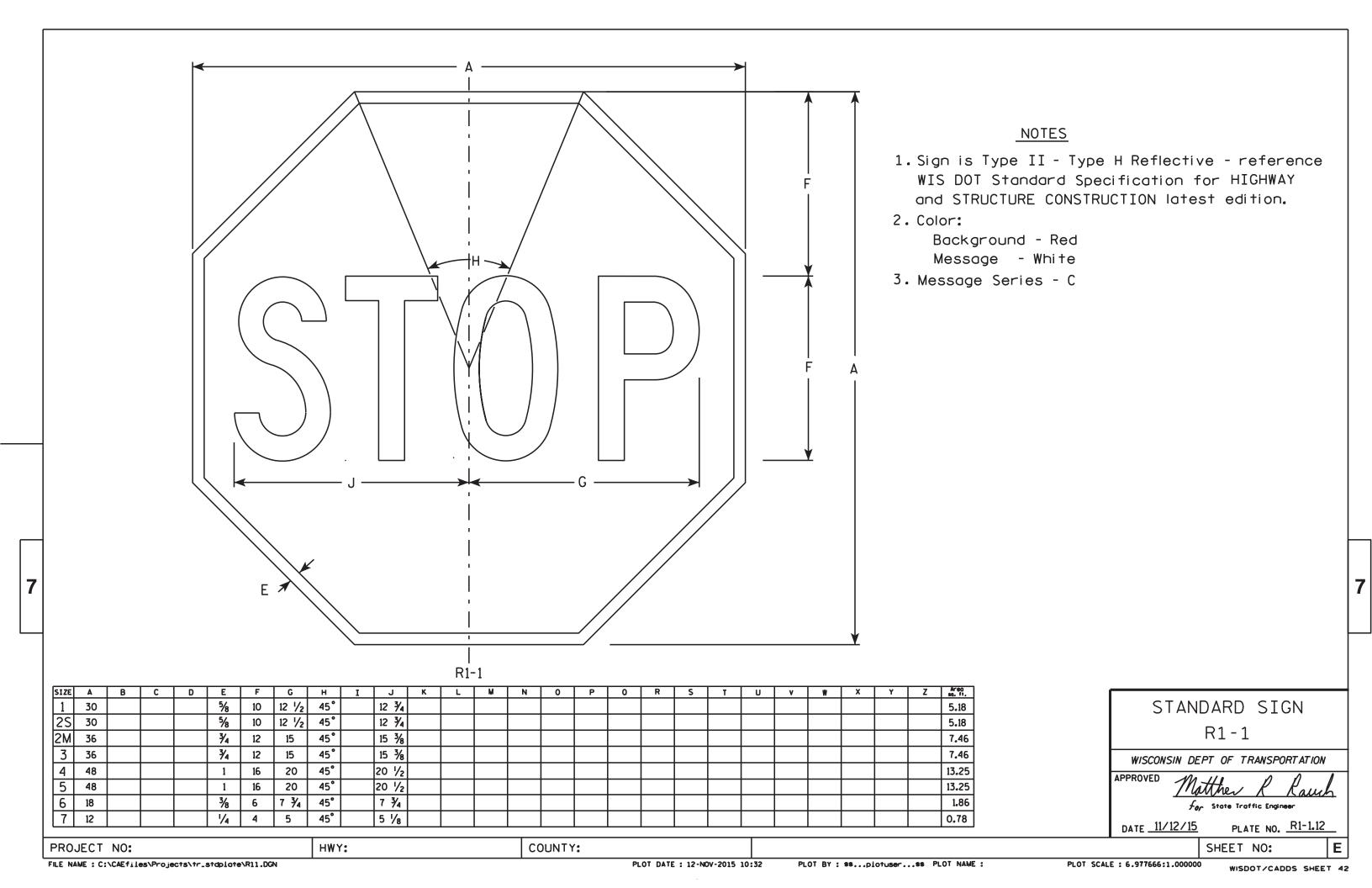
FILE NAME : C:\CAEfiles\Projects\tr_stdplote\M61.DGN

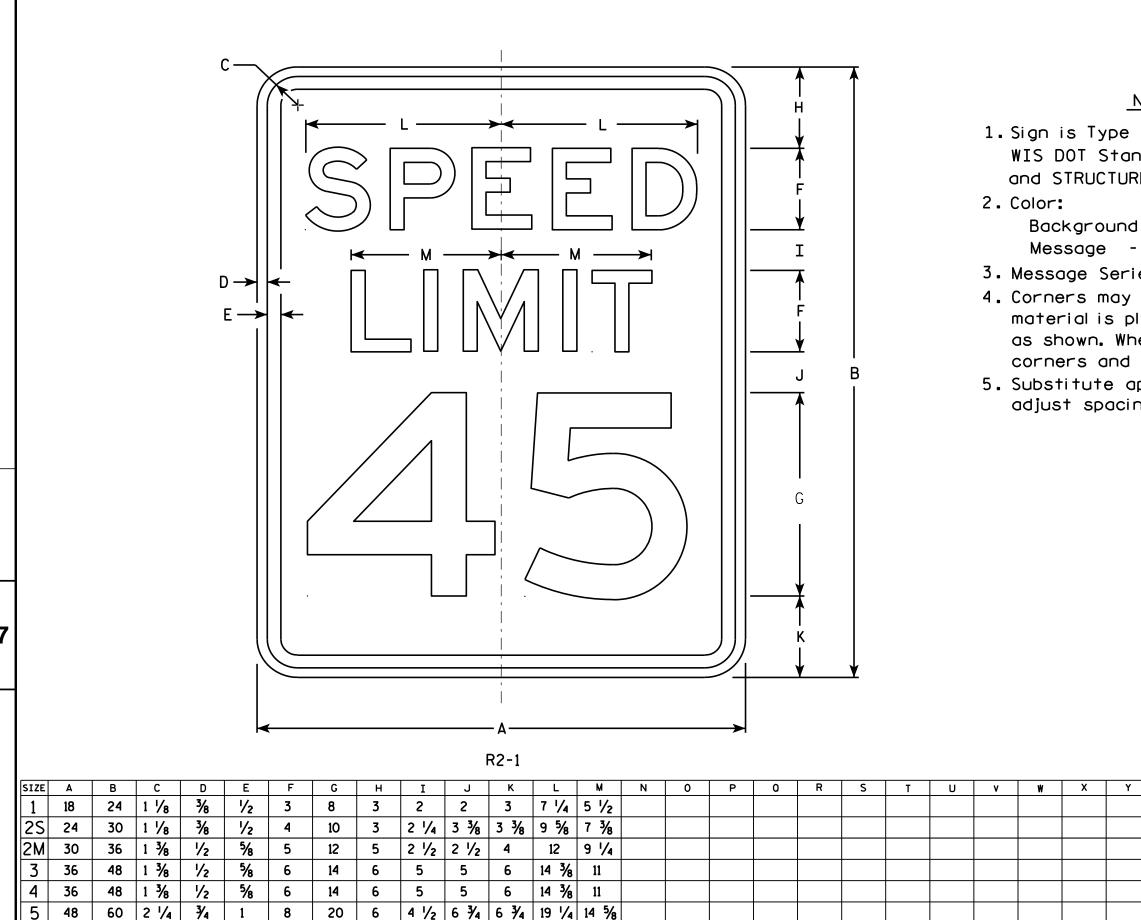
PROJECT NO:

PLOT DATE : 15-0CT-2015 13:17

PLOT BY : \$8...plotuser...\$8 PLOT NAME :

PLOT SCALE : 18.607113:1.000000





COUNTY:

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.

Background - White Message - Black

- 3. Message Series E
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal. the corners and borders shall be rounded.
- 5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

3.0

5.0

7.5

12.0

12.0

20.0

STANDARD SIGN R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matther R Raus

For State Traffic Engineer DATE <u>5/26/1</u>0 PLATE NO. R2-1.13

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R21.DGN

PROJECT NO:

HWY:

PLOT DATE: 28-MAY-2010 08:32

PLOT BY : ditjph

PLOT NAME :

PLOT SCALE: 4.717577:1.000000

R4-1

NOTES

- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - White Message - Black

- 3. Message Series D
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	Α	В	С	D	Е	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	4	3 1/2	2 1/2	3 1/8	3 1/4	4 3/4	4 1/8	6 1/4	6 1/2													3.0
2S	24	30	1 1/8	3/8	1/2	6	3 1/2	2 1/2	4 3/4	5	7 1/8	7 3/8	9 3/8	9 3/4													5.0
2M	24	30	1 1/8	3/8	1/2	6	3 1/2	2 1/2	4 3/4	5	7 1/8	7 3/8	9 %	9 3/4													5.0
3																											
4	36	48	1 %	5/8	₹4	8	7	5	6 1/4	6 %	9 1/2	9 3/4	12 1/2	13													12.0
5	48	60	2 1/4	3/4	1	10	8	7	7 3/4	8 3/8	11 1/8	12 1/4	15 %	16 1/4													20.0

COUNTY:

STANDARD SIGN R4-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

/25/2011 PLATE NO. R4-1.7

DATE 3/25/2011

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R41.DGN

PROJECT NO:

HWY:

PLOT DATE: 25-MAR-2011 13:24

PLOT BY: mscsja

PLOT NAME :

PLOT SCALE: 4.965868:1.000000

868:1.000000 WISDOT/CADDS SHEET 42



- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

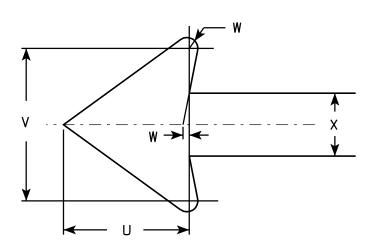
Background - White Message - Red

- 3. Message Series See Note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Lines 1, 3 and 4 are series C, line 2 is series B.
- 6. R7-1D (double arrow)

R7-1L (left arrow)

R7-1R (right arrow)

PLOT NAME :



R7-1

SIZE	Α	В	С	D	Ε	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/8	3/8	3/8	3	1 %	2	%	5/8	1 1/2	2 1/2	2	2	4 %	4 %	2 1/4	2 1/8	2 1/2	3 %	1 1/2	1 3/4	1/8	3/4			1.5
2S	18	24	1 1/8	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 %	7 1/8	7	2 3/4	2 5/8	3 1/8	5 %	2 1/4	2 %	1/4	1 1/8			3.0
2M	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 ½	1/4	1 1/2			5.0
3	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 ½	1/4	1 1/2			5.0
4																											
5																			·				·				

COUNTY:

STANDARD SIGN R7-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

OVED

Matthew R Rauch

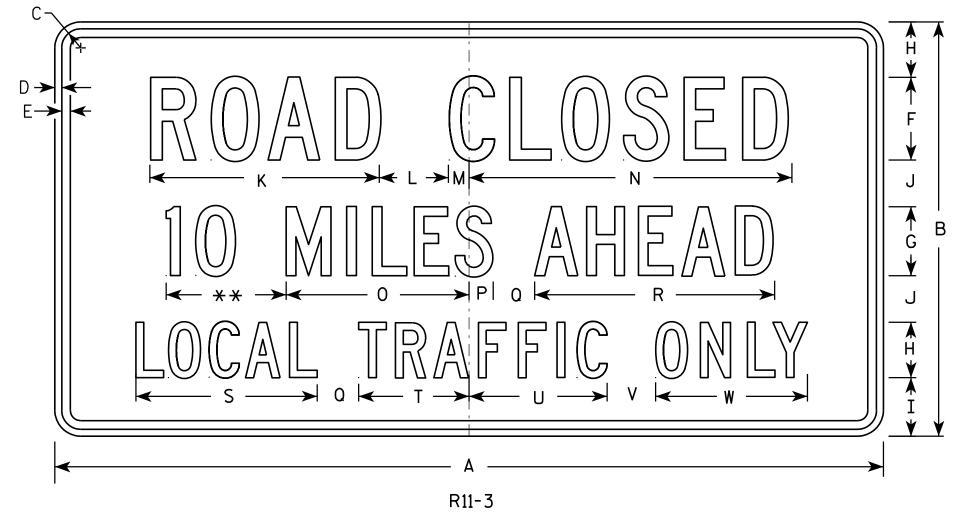
For State Traffic Engineer

DATE 3/31/2011

SHEET NO:

HWY:

PROJECT NO:



- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - White Message - Black

- 3. Message Series C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

** See Note 5

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Ρ	0	R	S	Т	J	٧	W	X	Y	Z	Area sq. ft.
1	36	18	1 3/8	1/2	5/8	4	3	2 1/2	2	2	11 1/8	3	1 1/8	15 1/4	8	1 1/2	2	10 ¾	8 %	4 3/4	6 1/2	2	6 3/4				4.5
2S	60	30	1 3/8	1/2	5%	6	5	4	4 1/4	3 3/8	16 5/8	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11				12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 %	16 %	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11				12.5
3																											
4																											
5																											

COUNTY:

STANDARD SIGN R11-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew & Rauch

DATE 4/1/11 PLATE NO. R11-3.6

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R113.DGN

HWY:

PROJECT NO:

PLOT DATE: 01-APR-2011 14:20

PLOT NAME :

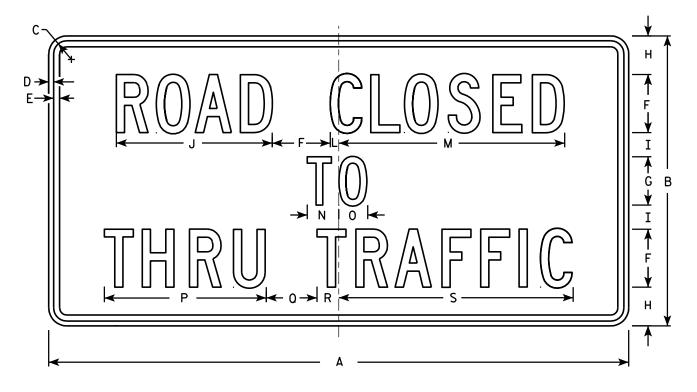
PLOT BY: mscj9h

PLOT SCALE: 6.952216:1.000000

- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - White Message - Black

- 3. Message Series C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R11-4

SIZE	Α	В	С	D	Ε	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1																											
2S	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7 /8	23 ¾	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7∕8	23 ¾	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

COUNTY:

STANDARD SIGN R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

DATE 4/1/11 PLATE NO. R11-4.3

SHEET NO:

PLOT DATE: 01-APR-2011 14:11

PLOT NAME :

WISDOT/CADDS SHEET 42

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R114.DGN

PROJECT NO:

HWY:

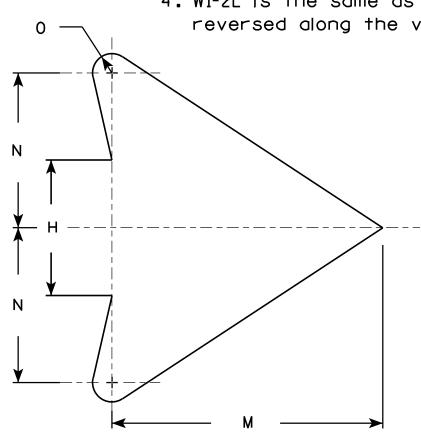
PLOT BY: mscj9h

PLOT SCALE: 9.931739:1.000000

- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Yellow Message - Black

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. W1-2L is the same as W1-2R except the arrow is reversed along the vertical centerline.



ARROW	DETAIL

								W:	1-2R															<u> </u>	<u>-</u>		
SIZE	Α	В	С	D	E	F	G	н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	v	W	Х	Y	Z	Areo sq. ft.
1	24		1 1/8	3⁄8	1/2		8 1/4	3 1/2	4 1/2	1 3/4	2 3/8	7 1/4	7	4	1/2												4.0
2S	30		1 3/8	1/2	5/8		10 1/4	4 3/8	5 %	2 1/4	3	9 1/8	8 3/4	5	5/8												6.25
2M	36		1 1/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 %	3 1/2	10 1/8	10 1/2	6	3/4												9.0
3	36		1 1/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 %	3 1/2	10 1/8	10 1/2	6	3/4												9.0
4	36		1 1/8	5/8	₹4		12 3/8	5 1/4	6 3/4	2 %	3 1/2	10 1/8	10 1/2	6	3/4												9.0
5	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 %	14 1/2	14	8	1												16.0

COUNTY:

STANDARD SIGN W1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rawh

DATE <u>5/15/12</u>

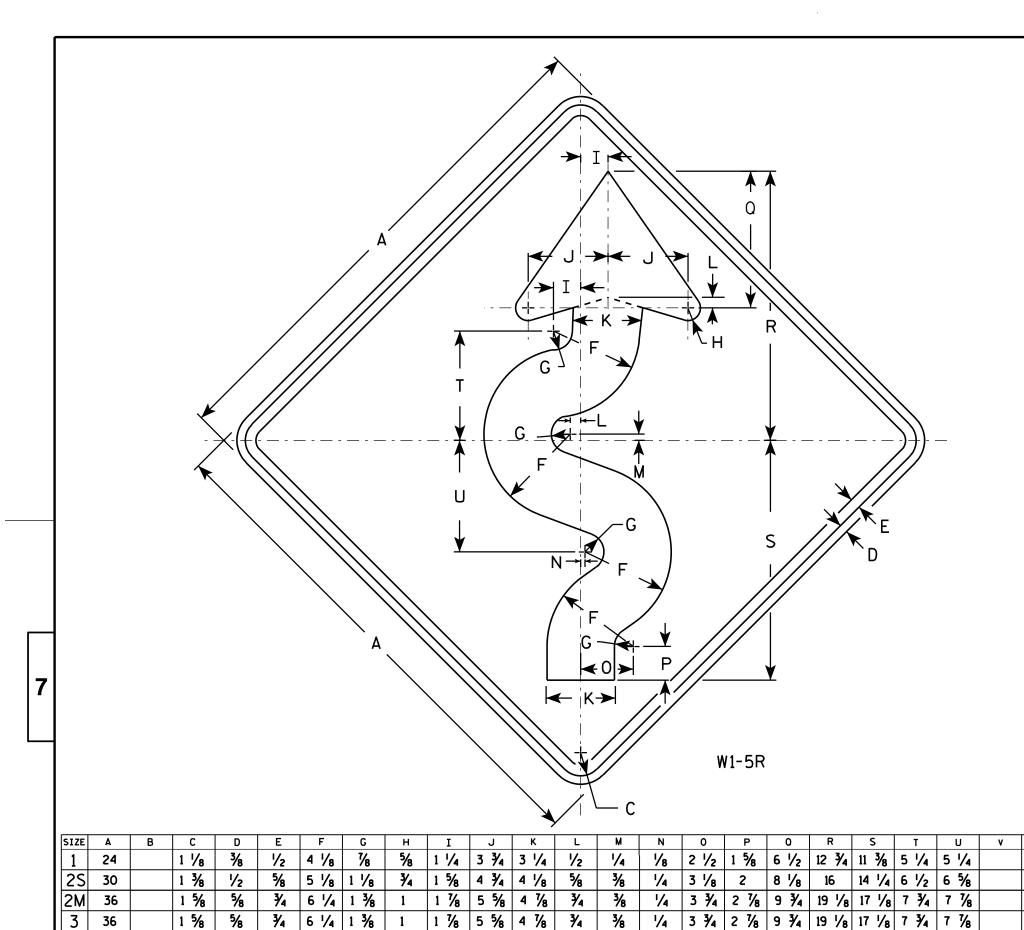
PLATE NO. W1-2.10

SHEET NO:

PROJECT NO:

← H →

HWY:



1 1/8 | 5 5/8 | 4 1/8 | 3/4

8 1/4 1 3/4 1 1/4 2 1/2 7 1/2 6 1/2 1

HWY:

NOTES

- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Yellow Message - Black

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. W1-5L is the same as W1-5R except the arrow is reversed along the vertical centerline.

STANDARD SIGN
W1-5
WISCONSIN DEPT OF TRANSPORTATION
APPROVED

Matthew & Rauch

DATE 5/18/12

PLATE NO. W1-5.8

3/8

COUNTY:

1/2

3 3/4 2 1/8 9 3/4 19 1/8 17 1/8 7 3/4 7 1/8

PLOT NAME :

4.0

6.25

9.0

9.0

9.0

16.0

SHEET NO:

| 25 1/2 | 22 3/4 | 10 3/8 | 10 1/2 |

1 %

2 1/4

4

5

36

48

PROJECT NO:

5/8

3/4 | 6 | /₄ | 1 3/₈

- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Yellow Message - Black

3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

	A A
	G
	<u>↓</u> B
N + H - H	
A	
W1-6	

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	٧	W	Х	Y	Z	Areo sq. ft.
1	36	18	1 1/8	3/8	3/8		9	10	3/4	5 %	4 3/4	2 3/8	14 %	29 1/4													4.5
2S	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 ¾													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 ¾													12.5
5	96	48	2 1/4	3/4	1		24	26 1/2	2	15	13	6 1/2	39	78													32.0

COUNTY:

STANDARD SIGN W1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

for

For State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-6.8

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W16.DGN

HWY:

PROJECT NO:

PLOT DATE: 07-JUN-2010 10:37

PLOT BY : ditjph

PLOT NAME :

PLOT SCALE: 5.959043:1.000000

- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Yellow Message - Black

3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

A G H H D E D D W2-2

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	U	٧	₩	Х	Y	Z	Areo sq. fi.
1	24		1 1/8	3∕8	1/2	20	2	4	10	8																	4.0
25	30		1 3/8	1/2	5/8	25	2 1/2	5	12 1/2	10																	6.25
2M	30		1 3/8	1/2	5/8	25	2 1/2	5	12 1/2	10																	6.25
3	36		1 %	5/8	3/4	30	3	6	15	12																	9.0
4	48		2 1/4	3/4	1	40	4	8	20	16																	16.0
5																											

COUNTY:

STANDARD SIGN W2-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rauch For State Traffic Engineer

DATE 5/29/12

PLATE NO. <u>W2-2.6</u>

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W22.DGN

PROJECT NO:

HWY:

PLOT DATE: 29-MAY-2012 10:18

PLOT BY: mscsja

PLOT NAME :

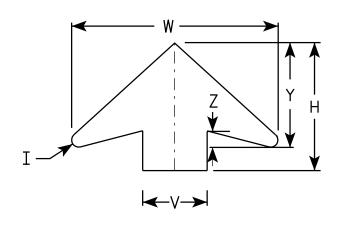
PLOT SCALE: 6.202372:1.000000

- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color: *

 Background YELLOW*

 Message BLACK
- 3. Message Series C for numbers Series E for wording
- 4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

*Speed Limit Sign shall have a White Background



ARROW DETAIL

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1																											
25	36		1 %	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3∕8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 %	9.0
2M	36		1 %	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 ¾	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 %	9.0
3	36		1 %	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 %	9.0
4	48		2 1/4	3/4	1	19 1/4	10 ¾	17 3/8	%	30	2 1/4	4	1 1/4	15	10	1 %	1/2	8	9 1/4	9	12	8	25 %	3∕8	13	2	16.0
5	48		2 1/4	3/4	1	19 1/4	10 ¾	17 3/8	1 / ₈	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9	12	8	25 %	3/8	13	2	16.0

STANDARD SIGN W3-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch

DATE 5/29/12 PLATE NO. W3-5.5

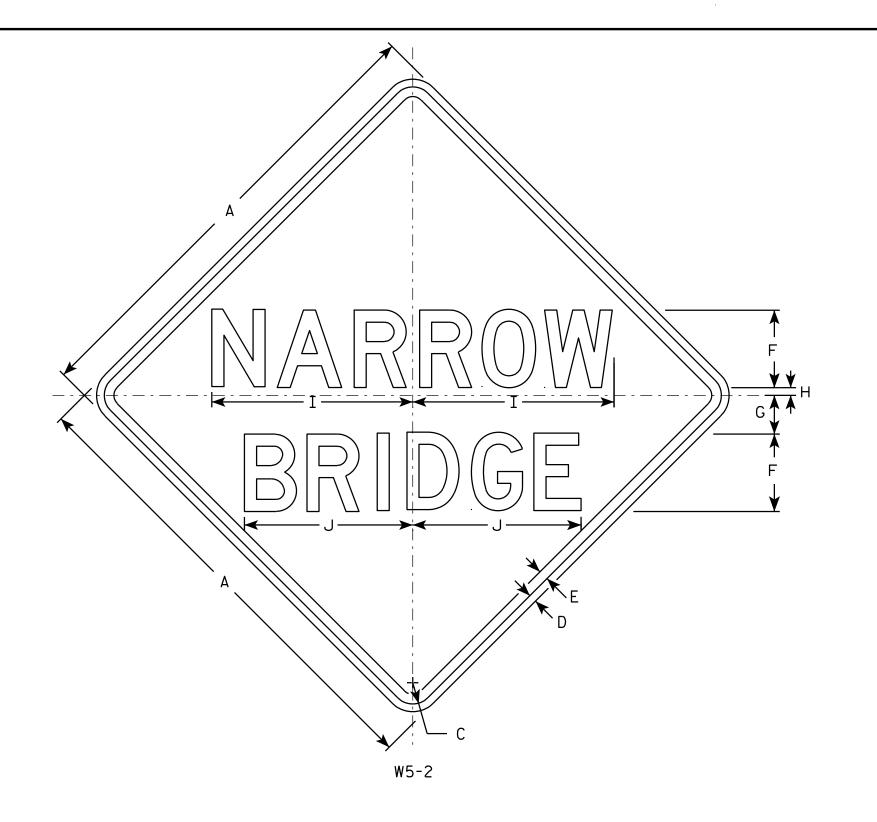
SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W35.DGN

PROJECT NO:

PLOT DATE: 29-MAY-2012 10:52

PLOT BY: mscsja



<u>NOTES</u>

- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Yellow Message - Black

- 3. Message Series D
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE A 1/2 5/8 5 2 1/2 30 1 3/8 1/2 13 10 1/8 6.25 2S 36 1 5/8 5/8 3/4 3/₄ | 15 5/₈ | 13 1/₈ 6 9.0 2M 36 1 5/8 5/8 ₹4 15 % 13 1/8 6 9.0 3 5/8 3/₄ | 15 5/₈ | 13 1/₈ 36 1 1/8 ₹4 9.0 2 1/4 3/4 3/₄ | 20 3/₄ 17 3/₈ 4 16.0 5 HWY: COUNTY: PROJECT NO:

STANDARD SIGN W5-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rawh

For State Traffic Engineer

DATE <u>03/12/13</u>

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W52.DGN

PLOT DATE: 12-MAR-2013 13:50

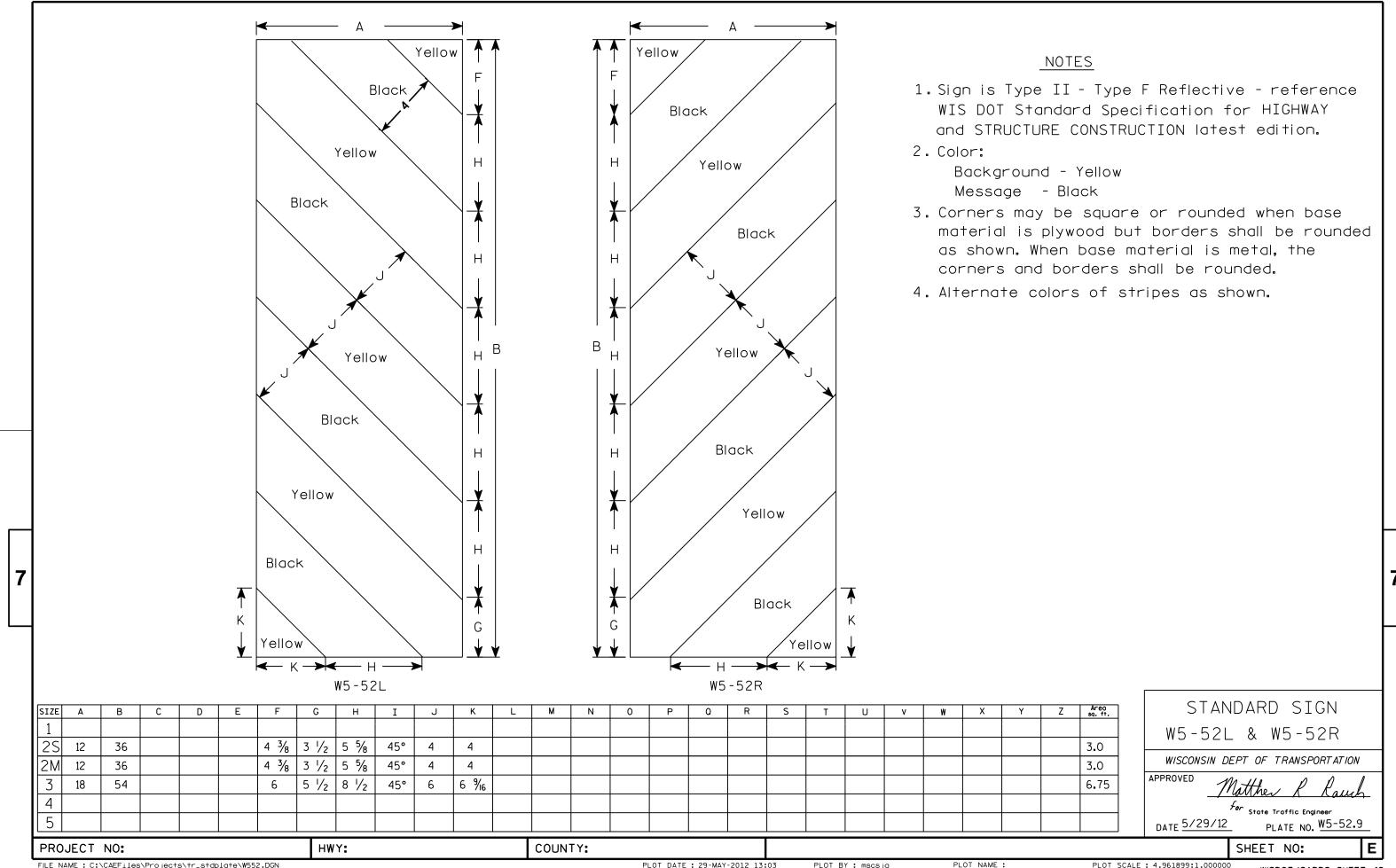
PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 6.202372:1.000000

WISDOT/CADDS SHEET 42

PLATE NO. W5-2.8

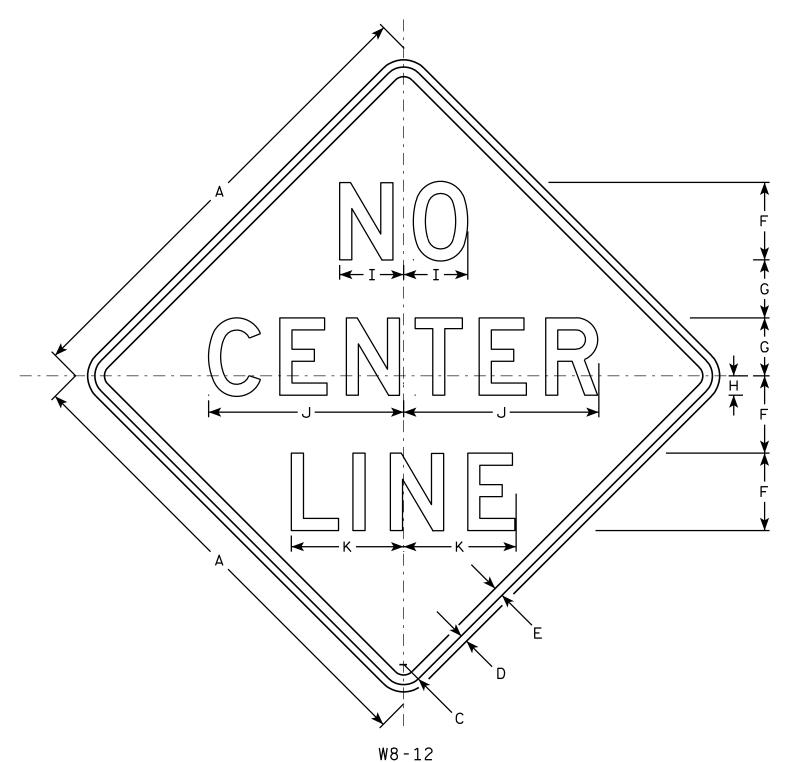


<u>NOTES</u>

- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Orange Message - Black

- 3. Message Series D
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	M	N	0	Р	0	R	S	Т	U	٧	W	Х	Y	Z	Areo sq. ft.
1																											
25	36		1 %	5/8	3/4	6	4 1/2	1 1/2	5 1/8	16	9																9.0
2M	36		1 %	5/8	3/4	6	4 1/2	1 1/2	5 1/8	16	9																9.0
3	48		2 1/4	3/4	1	8	6	2	6 %	20 1/4	11 %																16.0
4	48		2 1/4	3/4	1	8	6	2	6 %	20 1/4	11 %																16.0
5	48		2 1/4	3/4	1	8	6	2	6 %	20 1/4	11 5/8																16.0

COUNTY:

STANDARD SIGN W8-12

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer DATE 8/24/10

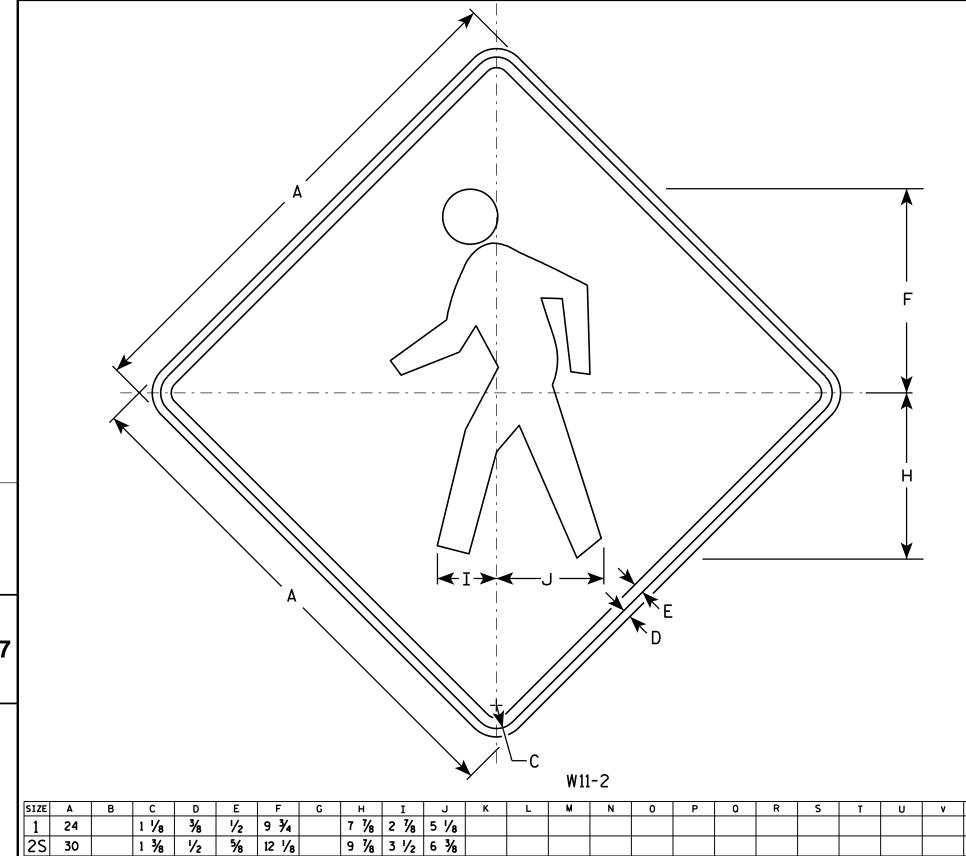
PLATE NO. W8-12.3

SHEET NO:

HWY:

PROJECT NO:

PLOT NAME :



<u>NOTES</u>

- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Yellow Message - Black

3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

> STANDARD SIGN W11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

4.0

6.25

9.0

9.0

16.0

PLOT NAME :

 f_{or} State Traffic Engineer

DATE 6/7/10

PLATE NO. W11-2.7

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W112.DGN

1 1/8

1 %

2 1/4 3/4

2M

3

4 48

5

PROJECT NO:

5/8

5/8

3/4

14 1/2

3/4 14 1/2

1 19 3/8

11 1/8 4 1/4 7 5/8

11 1/8 4 1/4 7 5/8

15 3/4 5 5/8 10 1/4

HWY:

PLOT DATE: 07-JUN-2010 13:29

COUNTY:

PLOT BY: ditjph

PLOT SCALE: 5.700818:1.000000

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.

2. Color:

Background - Yellow Message - Black

3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

		A			E			
			γ W1	1-6				
С	D E F	С Н Т	I .I K	L M N	0 P	0 R	S T	1 11

SIZE A 3/8 9 1/2 4 1/2 10 1/4 1 1/8 24 4.0 25 11 1/2 5 5/8 12 3/4 1 3/8 1/2 5/8 6.25 30 2M 1 3/8 1/2 11 1/2 5 5/8 12 3/4 30 6.25 3 1 1/8 5/8 3/4 14 1/8 6 3/4 15 1/4 9.0 36 4 3/4 48 2 1/4 19 9 20 1/2 16.0 5

COUNTY:

STANDARD SIGN W11-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matther R Rauch ∱er State Traffic Engineer DATE 3/13/13 PLATE NO. W11-6.8

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W116.DGN

HWY:

PROJECT NO:

PLOT DATE: 13-MAR-2013 12:57

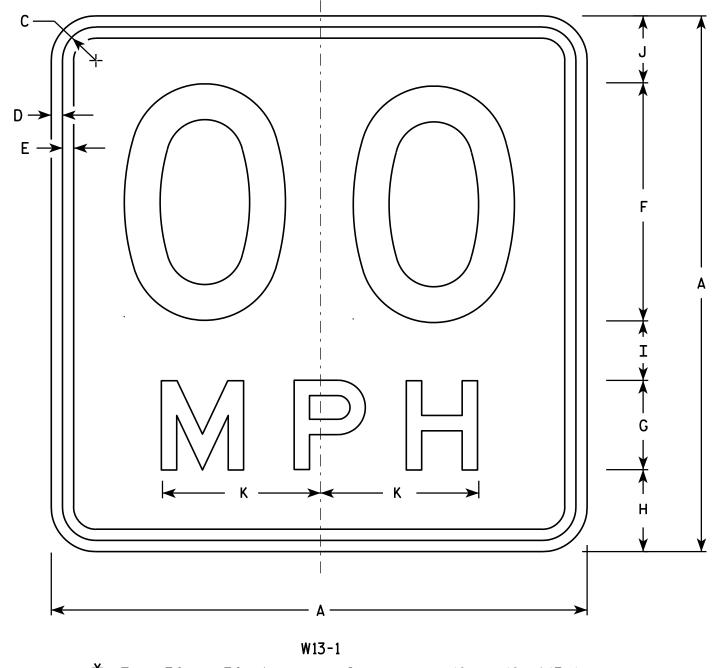
PLOT NAME :

PLOT BY : mscj9h

PLOT SCALE : 5.954276:1.000000

WISDOT/CADDS SHEET 42

Ε



- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Yellow Message - Black

- 3. Message Series See Note 6
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
- 6. Line 1 is Series D Line 2 is Series E

* For 30" \times 30" Warning Signs, use 18" \times 18" W13-1 signs. For 36" \times 36" Warning Signs, use 24" \times 24" W13-1 signs.

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Areg sq. ft.
1	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
* 2S	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 %																2.25
* 2M	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
3	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	6 5/8																4.00
4	36		1 1/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 %																9.00
5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 %																9.00

STANDARD SIGN W13-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew N

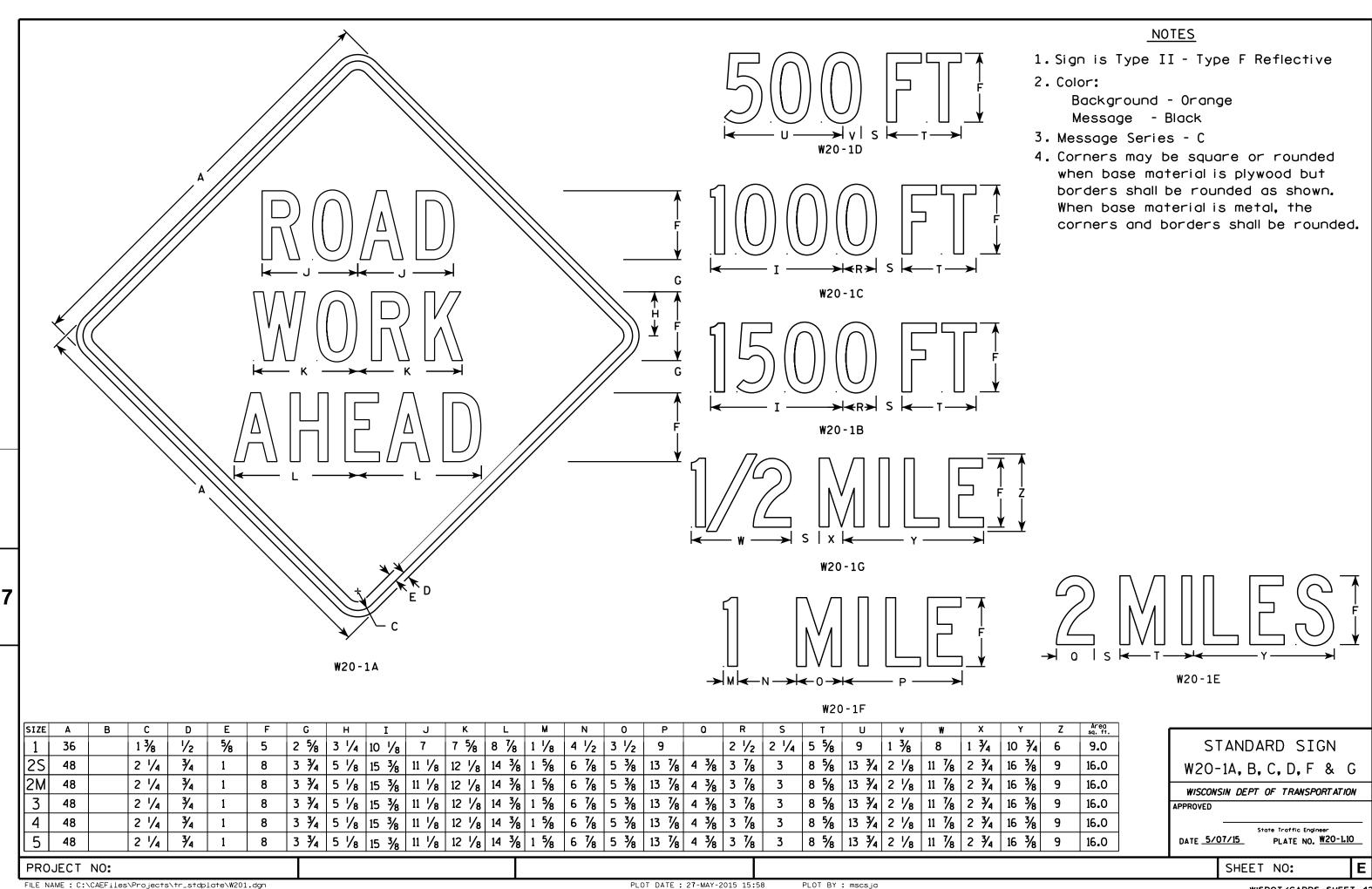
For State Traffic Engineer

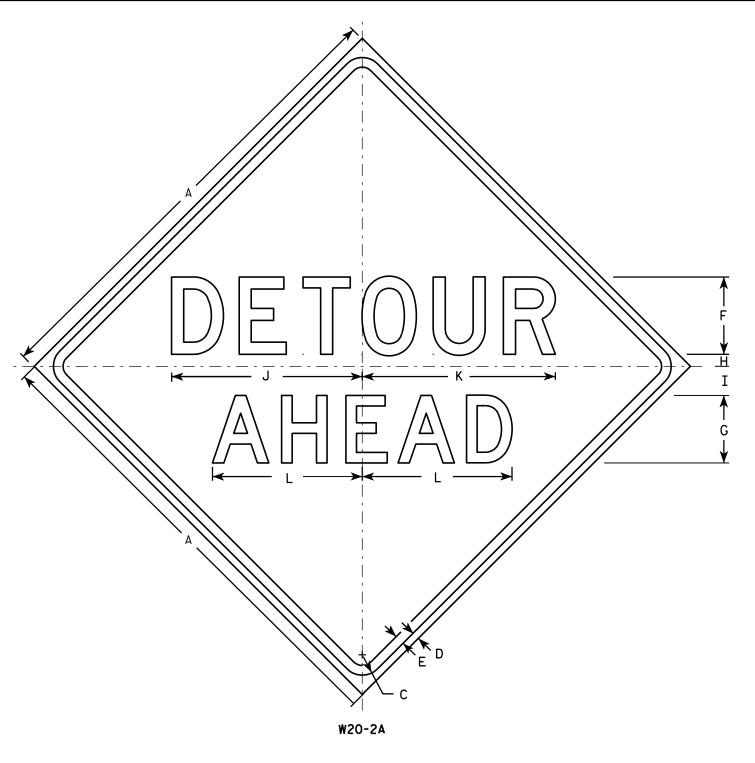
DATE 5/31/12 PLATE NO. W13-1.16

SHEET NO:

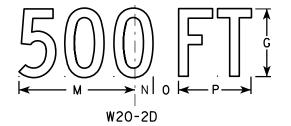
PLOT BY: mscsja

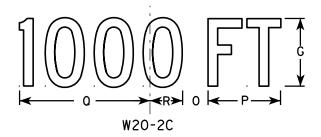
PLOT NAME :

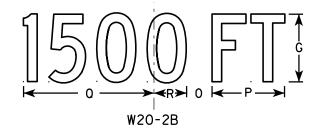


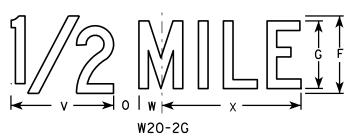


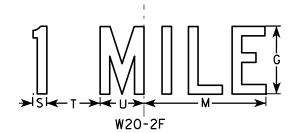
HWY:











PLOT BY: mscj9h

<u>NOTES</u>

- Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Orange Message - Black

- 3. Message Series See note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Line 1 is Series D.
 Line 2 is Series D for AHEAD and
 Series C for all other distances.

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1	36		1 1/8	5/8	₹4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 1/8	5 %	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 ¾	20	15 1/2	12	1 1/8	2 %	7 1/2	13 1/2	3 %	1 1/2	6	4 5/8	10 %	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 ¾	20	15 1/2	12	1 1/8	2 %	7 1/2	13 1/2	3 %	1 1/2	6	4 5/8	10 %	2 3/8	14 3/8			16.0
3	48		2 1/4	3∕4	1	8	7	1 1/4	3	19 ¾	20	15 1/2	12	1 %	2 %	7 1/2	13 1/2	3 ¾	1 1/2	6	4 %	10 %	2 3/8	14 3/8			16.0
4	48		2 1/4	¾	1	8	7	1 1/4	3	19 ¾	20	15 1/2	12	1 1/8	2 %	7 1/2	13 1/2	3 ³ %	1 1/2	6	4 %	10 %	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 ¾	20	15 1/2	12	1 %	2 %	7 1/2	13 1/2	3 ¾	1 1/2	6	4 %	10 %	2 3/8	14 3/8			16.0

COUNTY:

STANDARD SIGN W20-2A,B,C,D,F & G

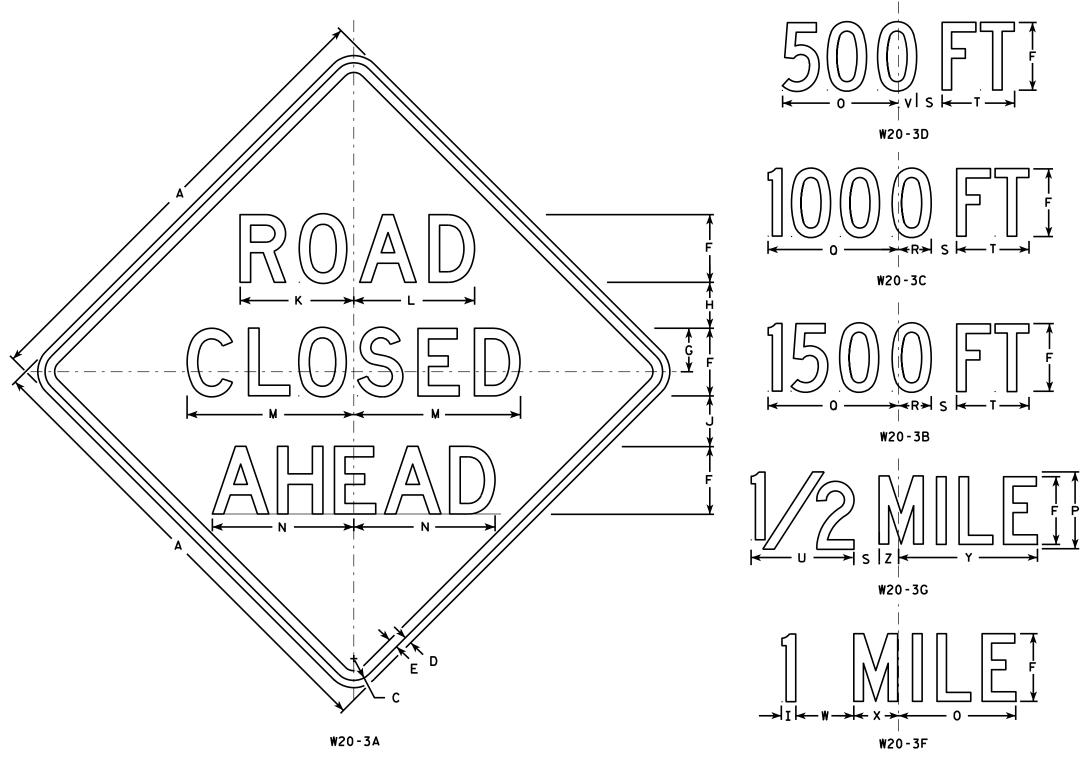
WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

SHEET NO:

PROJECT NO:



- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Orange Message - Black

- 3. Message Series see note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Lines 1 and 2 are Series D. Line 3 is Series D for AHEAD and Series C for all other distances.

SIZE	Α	В	С	D	E	F	G	н	I	J	К	L	М	N	0	Р	0	R	S	Т	U	٧	w	х	Y	Z	Area sq. ft.
1	36		1 %	5/8	3/4	5	3 3/8	3 ½	1 1/8	4	8 3%	8 %	12 1/2	11	9	6	10 1/8	2 1/2	1 %	5 %	8	1 3/8	4 1/2	3 1/2	10 ¾	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 %	12	8	13 1/2	3 %	2 %	7 1/2	10 %	1 1/8	6	4 %	14 3/8	2 3/8	16.0
2M	48		2 1/4	₹4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 ¾	12 1/2	17 1/4	14 %	12	8	13 1/2	3 %	2 %	7 1/2	10 %	1 1/8	6	4 %	14 3/8	2 3/8	16.0
3	48		2 1/4	₹4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 ¾	12 1/2	17 1/4	14 %	12	8	13 1/2	3 %	2 %	7 1/2	10 %	1 1/8	6	4 %	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 %	12	8	13 1/2	3 %	2 %	7 1/2	10 %	1 %	6	4 %	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 %	12	8	13 1/2	3 %	2 5/8	7 1/2	10 %	1 1/8	6	4 %	14 3/8	2 3/8	16.0
ت			- /-	/ -	-		1 / 2	- / -	- /2	- /-	/ -	/2	7,4	- 70			10 /2	- 70	- 78	. , 2	78	- 78		- 70	- 70	- 78	

STANDARD SIGN W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

DATE 3/18/11

For State Traffic Engineer
PLATE NO. W20-3.7

SHEET NO:

HWY:

COUNTY:

PLOT NAME :

PLOT SCALE: 9.931739:1.000000

PROJECT NO:

CTH S - STA. 221+50 - 244+00

STATION	LENGTH	CUT END AREA	FILL END AREA	CUT RAW VOLUME	FILL RAW VOLUME	(ADJUSTED) FILL RAW VOLUME * 1.25	CUMULATIVE CUT VOLUME	(ADJUSTED) CUMULATIVE FILL VOLUME	MASS ORDINATE
	LF	SF	SF	CY	CY	CY	CY	CY	CY
220+50.0	1.15	0.0	0.0				3.	-	
221+00.0	50.0	0.0	0.0	0.0	0.0	0.0	0	0	0
221+50.0	50.0	18.3	0.2	17.0	0.2	0.2	17	0	17
222+00.0	50.0	17.3	0.4	33.0	0.5	0.7	50	1	49
222+50.0	50.0	17.2	0.3	31.9	0.6	0.8	82	2	80
223+00.0	50.0	17.2	0.3	31.8	0.6	0.7	114	2	111
223+50.0	50.0	6.1	2.1	21.5	2.2	2.8	135	5	130
224+00.0	50.0	0.0	25.5	5.6	25.5	31.9	141	37	104
224+37.8	37.8	0.0	85.5	0.0	77.7	97.1	141	134	7
224+37.8	0.0	0.0	85.5	0.0	0.0	0.0	141	134	7
225+00.0	62.2	0.0	152.0	0.0	273.5	341.9	141	476	-335
225+50.0	50.0	0.0	249.9	0.0	372.0	465.0	141	941	-800
226+00.0	50.0	0.0	396.5	0.0	598.5	748.1	141	1689	-1548
226+50.0	50.0	0.0	354.3	0.0	695.2	869.0	141	2558	-2417
227+00.0	50.0	0.0	323.2	0,0	627.3	784.2	141	3342	-3202
227+50.0	50.0	0.0	250.1	0.0	530.9	663.6	141	4006	-3865
228+00.0	50.0	0.0	188.2	0.0	405.9	507.4	141	4513	-4373
228+50.0	50.0	0.0	92.6	0.0	260.0	325.0	141	4838	-4698
229+00.0	50.0	39.5	23.5	36.6	107.4	134.3	177	4973	-4795
229+50.0	50.0	36.8	7.3	70.7	28.5	35.6	248	5008	-4760
230+00.0	50.0	17.7	1.4	50.4	8.0	10.0	298	5018	-4720
230+50.0	50.0	2.3	24.6	18.5	24.1	30.1	317	5048	-4731
231+00.0	50.0	0.0	57.8	2.1	76.3	95.4	319	5144	-4825
231+50.0	50.0	13.1	40.4	12.1	91.0	113.7	331	5258	-4926
232+00.0	50.0	30.6	9.7	40.4	46.4	58.0	372	5316	-4944
232+50.0	50.0	89.1	1.0	110.8	9.9	12.4	482	5328	-4845
233+00.0	50.0	183.4	0.0	252.3	0.9	1.2	735	5329	-4594
233+50.0	50.0	260.9	0.0	411.4	0.0	0.0	1146	5329	-4183
234+00.0	50.0	385.9	0.0	598.9	0.0	0.0	1745	5329	-3584
234+50.0	50.0	260.0	0.0	598.1	0.0	0.0	2343	5329	-2986
235+00.0	50.0	167.7	0.0	396.0	0.0	0.0	2739	5329	-2590
235+50.0	50.0	102.1	0.4	249.8	0.3	0.4	2989	5329	-2341
236+00.0	50.0	55.9	7.4	146.3	7.2	9.0	3135	5339	-2203
236+50.0	50.0	26.6	27.5	76.4	32.4	40.5	3212	5379	-2167
237+00.0	50.0	0.0	64.2	24.6	84.9	106.1	3236	5485	-2249
237+50.0	50.0	0.0	113.0	0.0	164.0	205.0	3236	5690	-2454
238+00.0	50.0	0.0	166.9	0,0	259.1	323.9	3236	6014	-2778
238+50.0	50.0	0.0	143.7	0.0	287.6	359.5	3236	6373	-3137
239+00.0	50.0	0.0	130.5	0.0	253.9	317.3	3236	6691	-3455
239+50.0	50.0	0.0	90.8	0.0	204.9	256.1	3236	6947	-3711
240+00.0	50.0	19.3	71.3	17.8	150.1	187.6	3254	7134	-3880
240+50.0	50.0	0.0	42.1	17.8	105.0	131.2	3272	7266	-3994
241+00.0	50.0	0.0	30.1	0.0	66.8	83.5	3272	7349	-4077
241+50.0	50.0	0.0	27.8	0.0	53.5	66.9	3272	7416	-4144
242+00.0	50.0	0.0	25.9	0.0	49.7	62.1	3272	7478	-4206
242+50.0	50.0	5.3	4.1	4.9	27.8	34.8	3277	7513	-4236
243+00.0	50.0	19.8	0.0	23.2	3.8	4.8	3300	7518	-4218
243+50.0	50.0	0.0	0.0	18.3	0.0	0.0	3318	7518 7518	-4199
244+00.0	50.0	0.0	0.0	0.0	0.0	0.0	3318	7518	-4199
TOTALS	30.0	0.0	0.0	3318	6014	7518	2310	1310	,

NOTES:

(1) - NO MARSH OR ROCK EXCAVATION ANTICIPATED (2) - FILL EXPANSION 25% (3) - EXISTING PAVEMENT IS INCLUDED IN CUT

COUNTY: SAWYER ΙE HWY: CTH S EARTHWORK PROJECT NO: 8780-00-70

PINE POINT ROAD - STA. 10+50 - 12+00

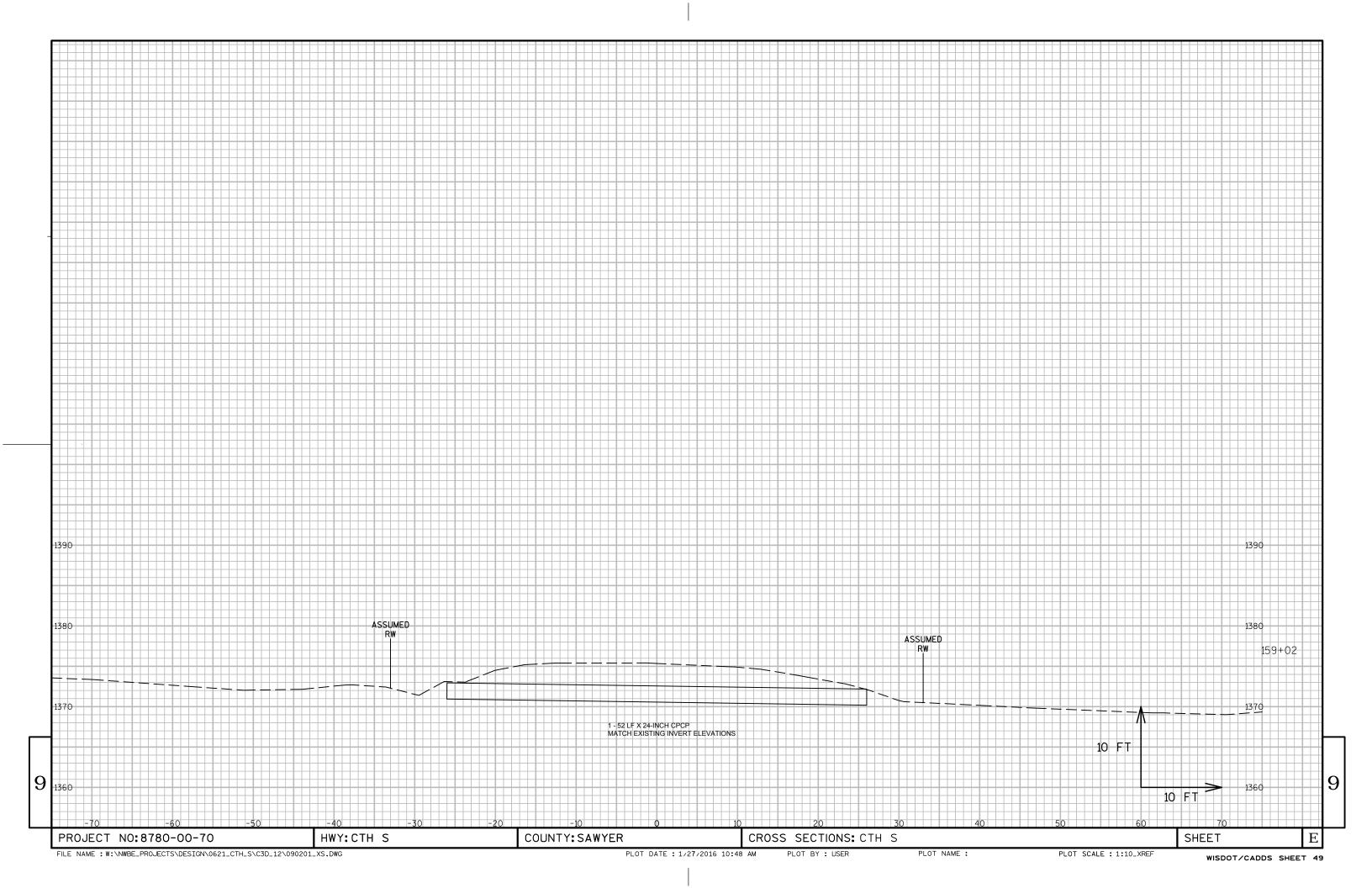
STATION	LENGTH	CUT END AREA	FILL END AREA	CUT RAW VOLUME	FILL RAW VOLUME	(ADJUSTED) FILL RAW VOLUME * 1.25	CUMULATIVE CUT VOLUME	(ADJUSTED) CUMULATIVE FILL VOLUME	MASS ORDINATE
	LF	SF	SF	CY	CY	CY	CY	CY	CY
10+50.0		56.3	15.5	-		•			•
11+00.0	50.0	32.7	4.3	82	18	23	82	23	60
11+50.0	50.0	7.9	1.3	38	5	7	120	29	91
12+00.0	50.0	18.7	0.0	25	1	2	145	31	114
12+00.0	0.0	0.0	0.0	0	0	0	145	31	114
TOTALS				145	25	31			

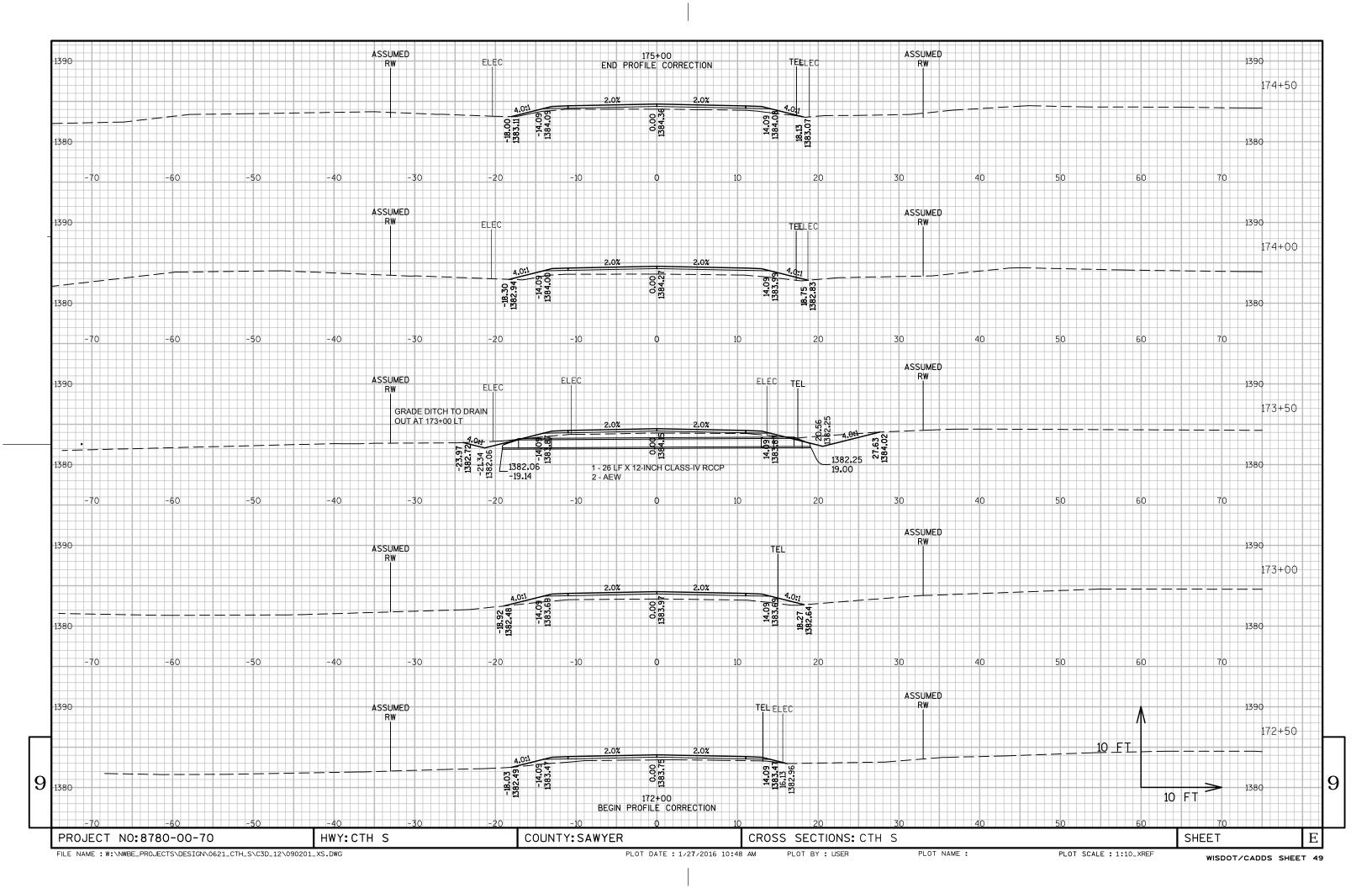
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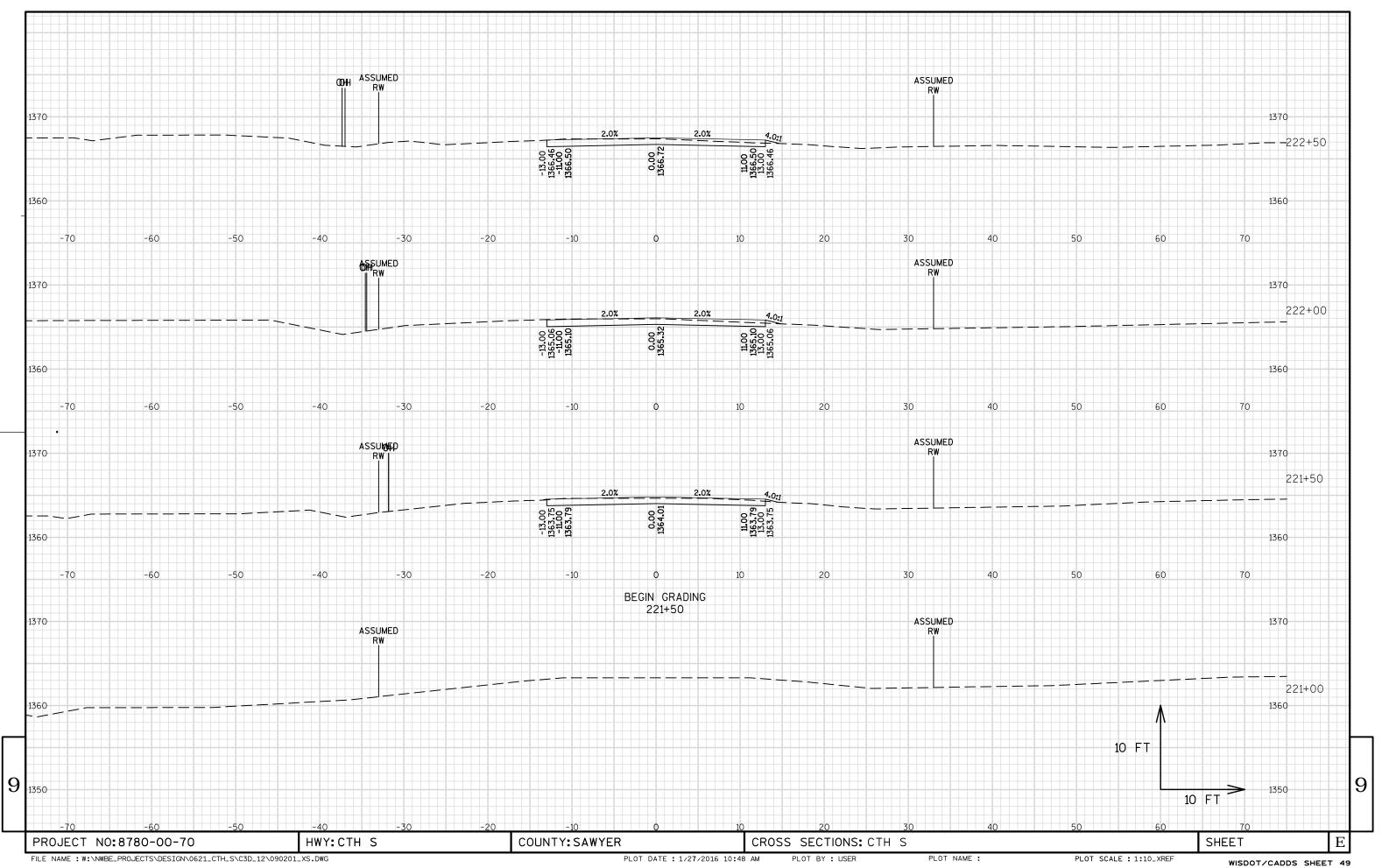
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PLOT DATE : 1/21/2015 7:49 AM

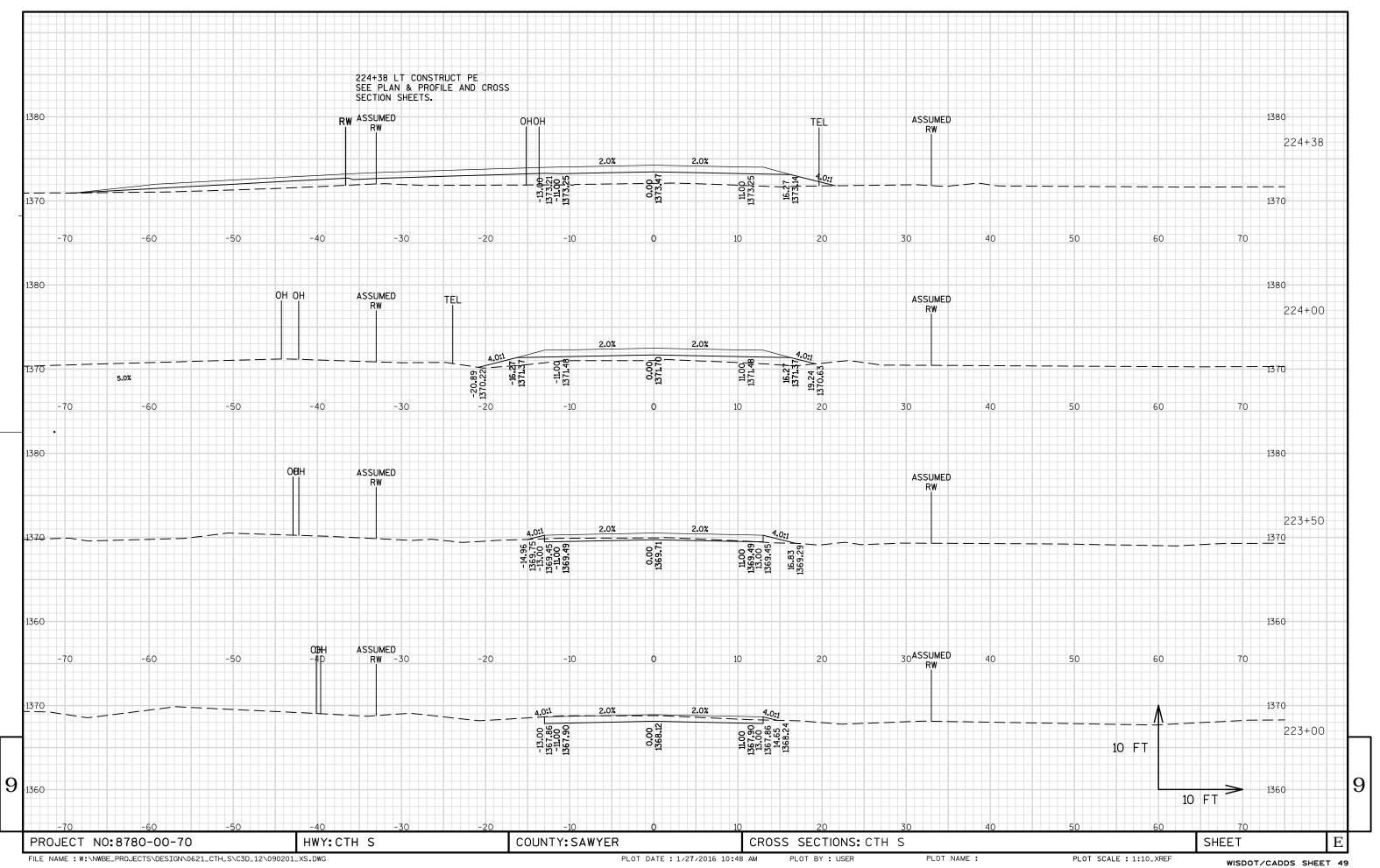
PLOT BY : PATRICK LANCOUR PLOT NAME : _____

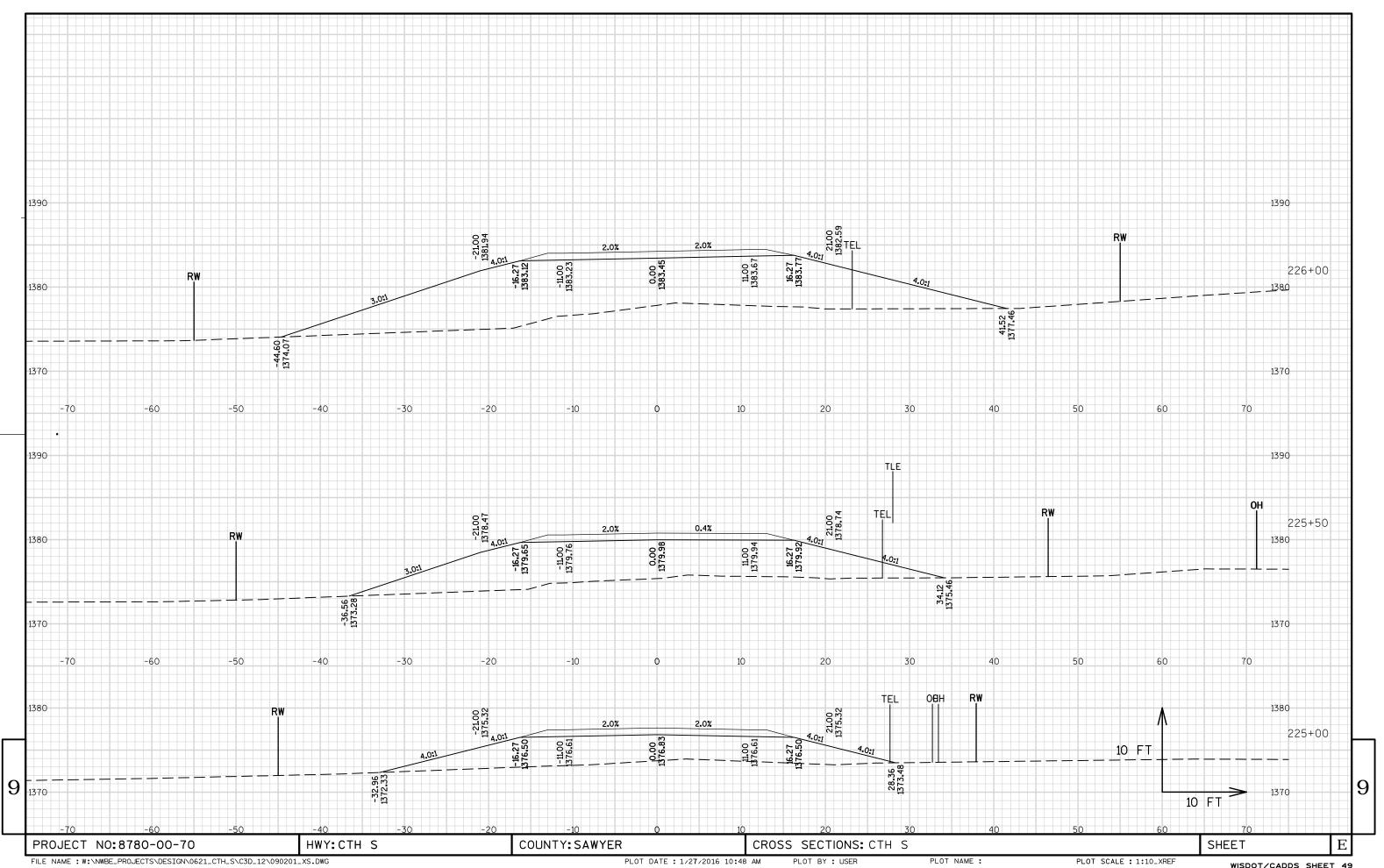


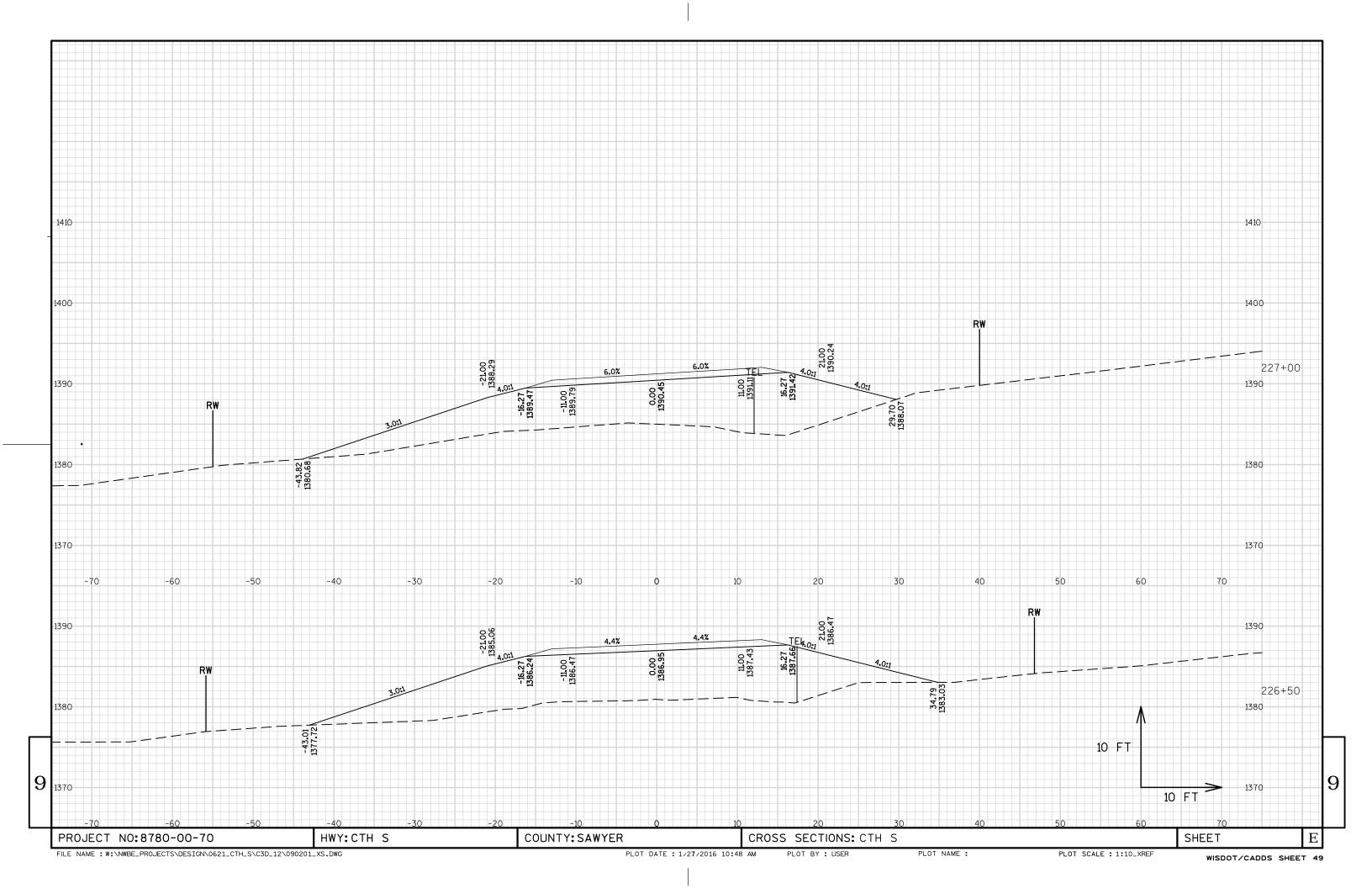


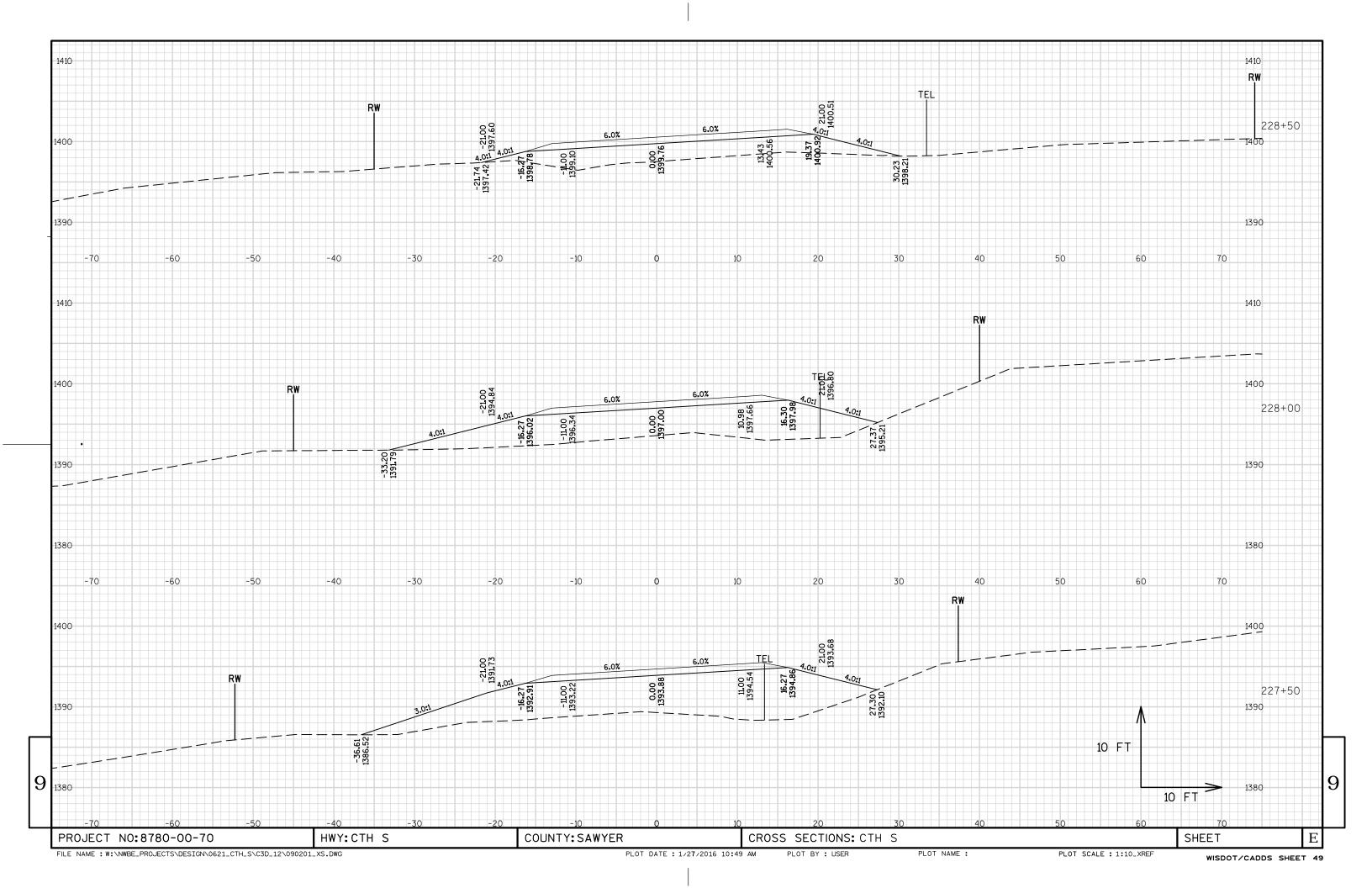


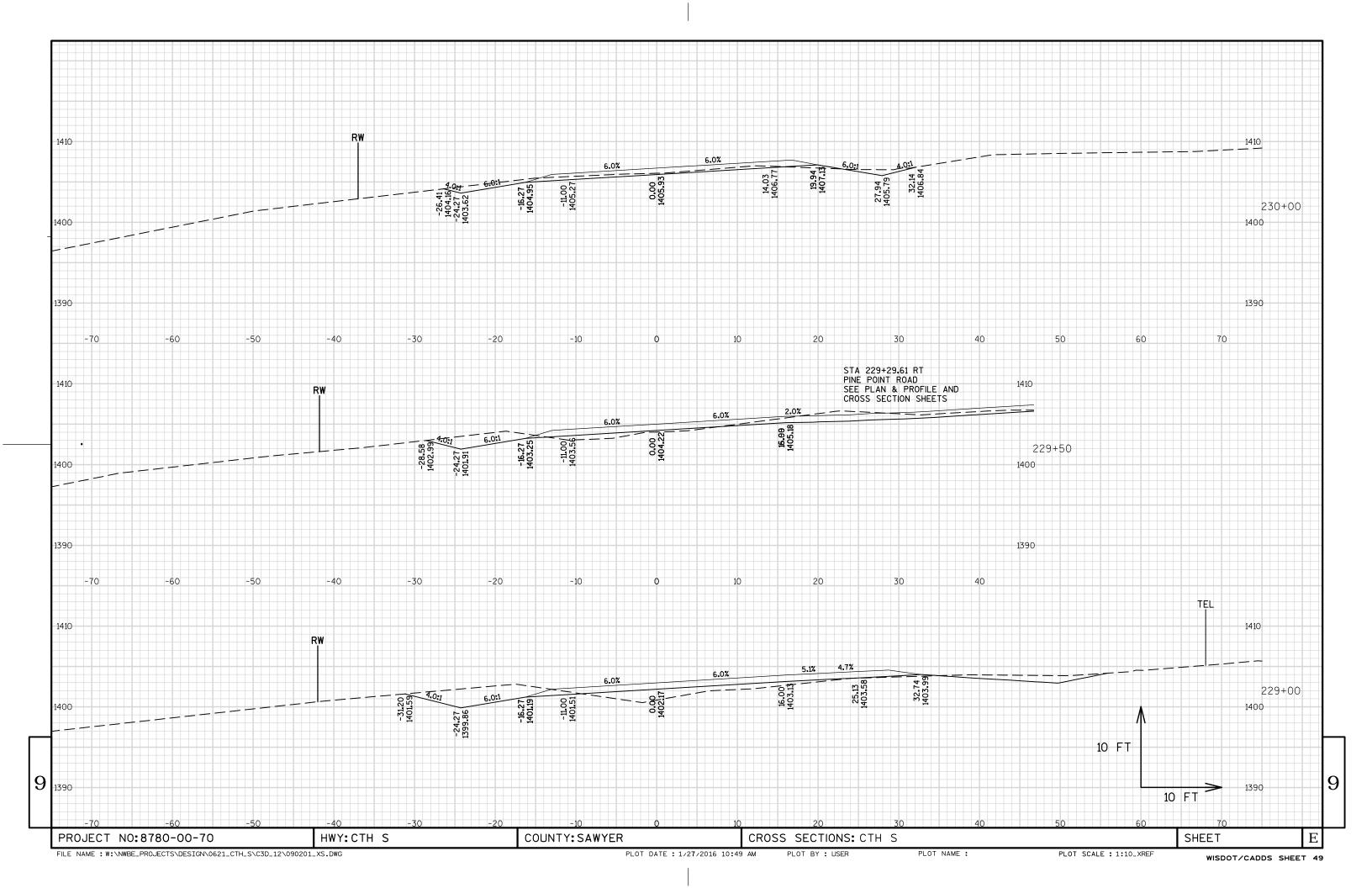
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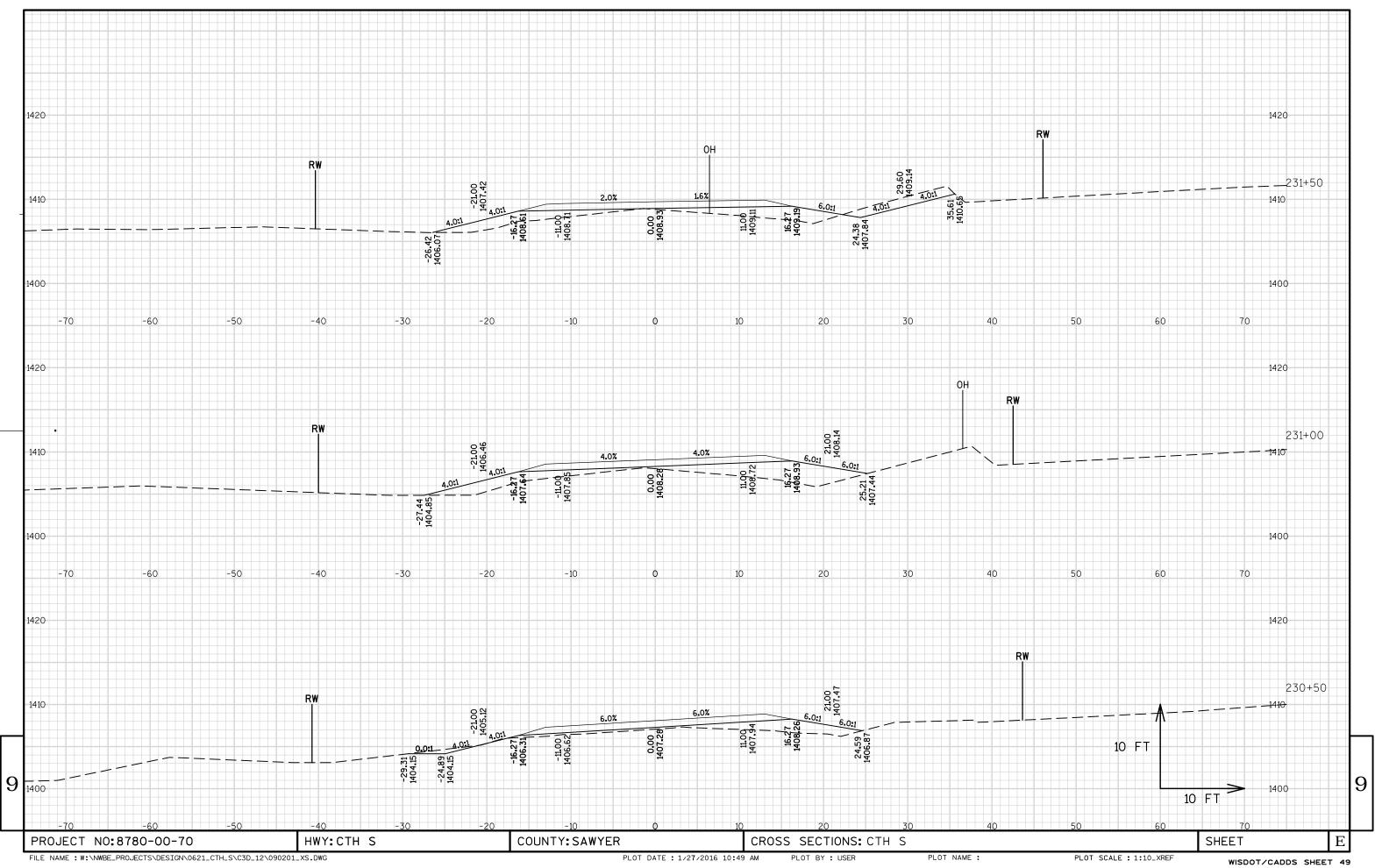


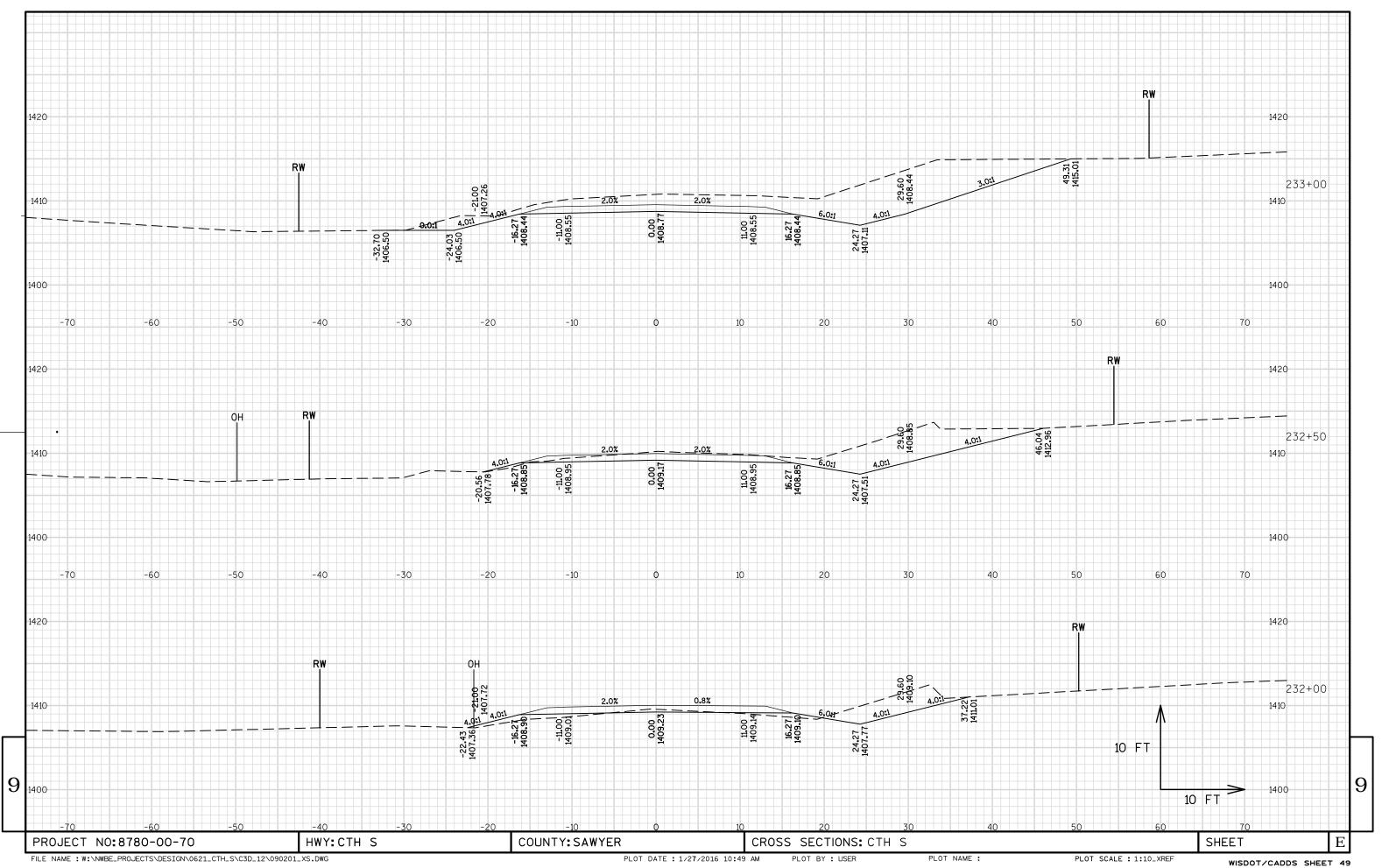


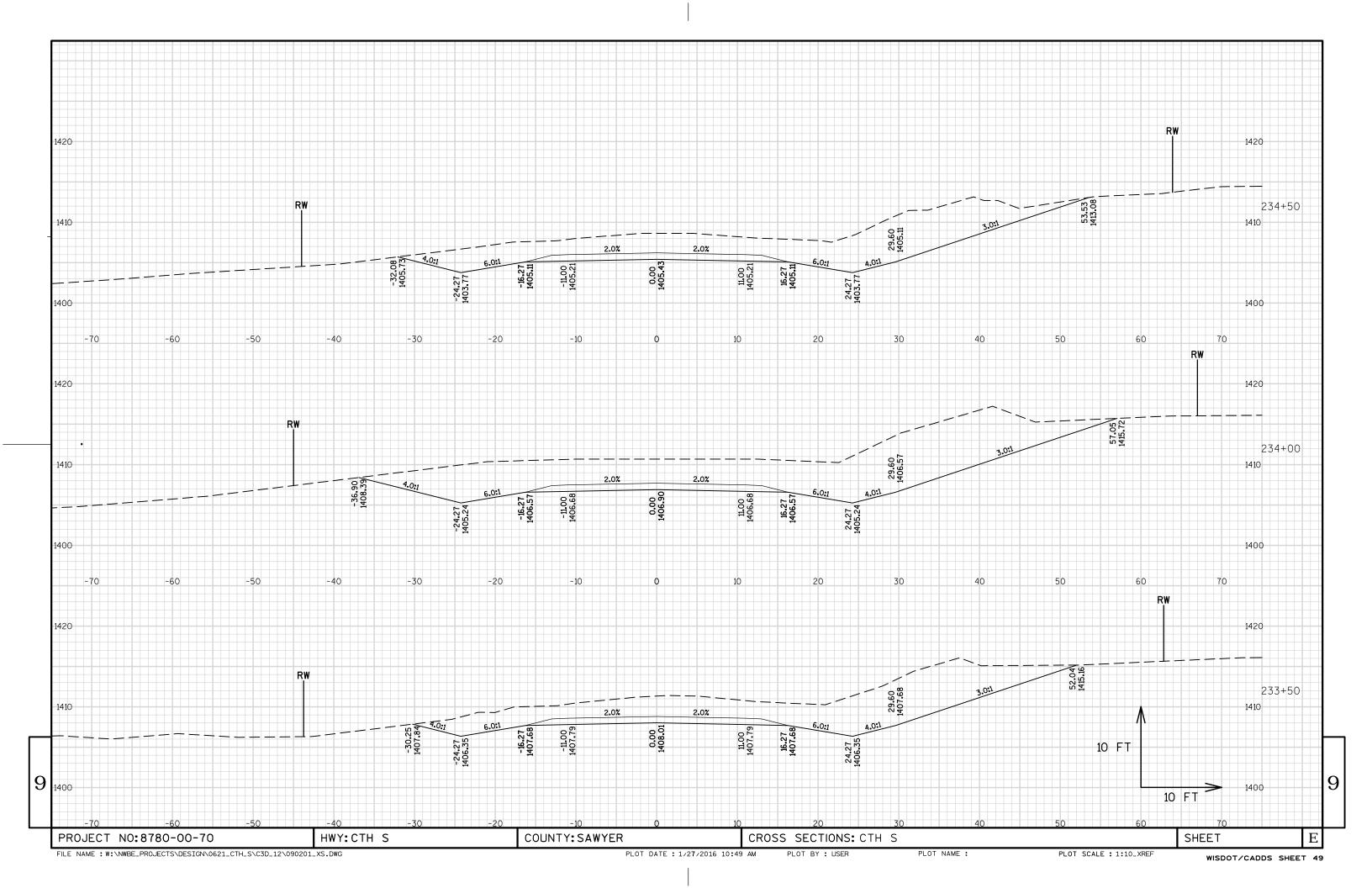


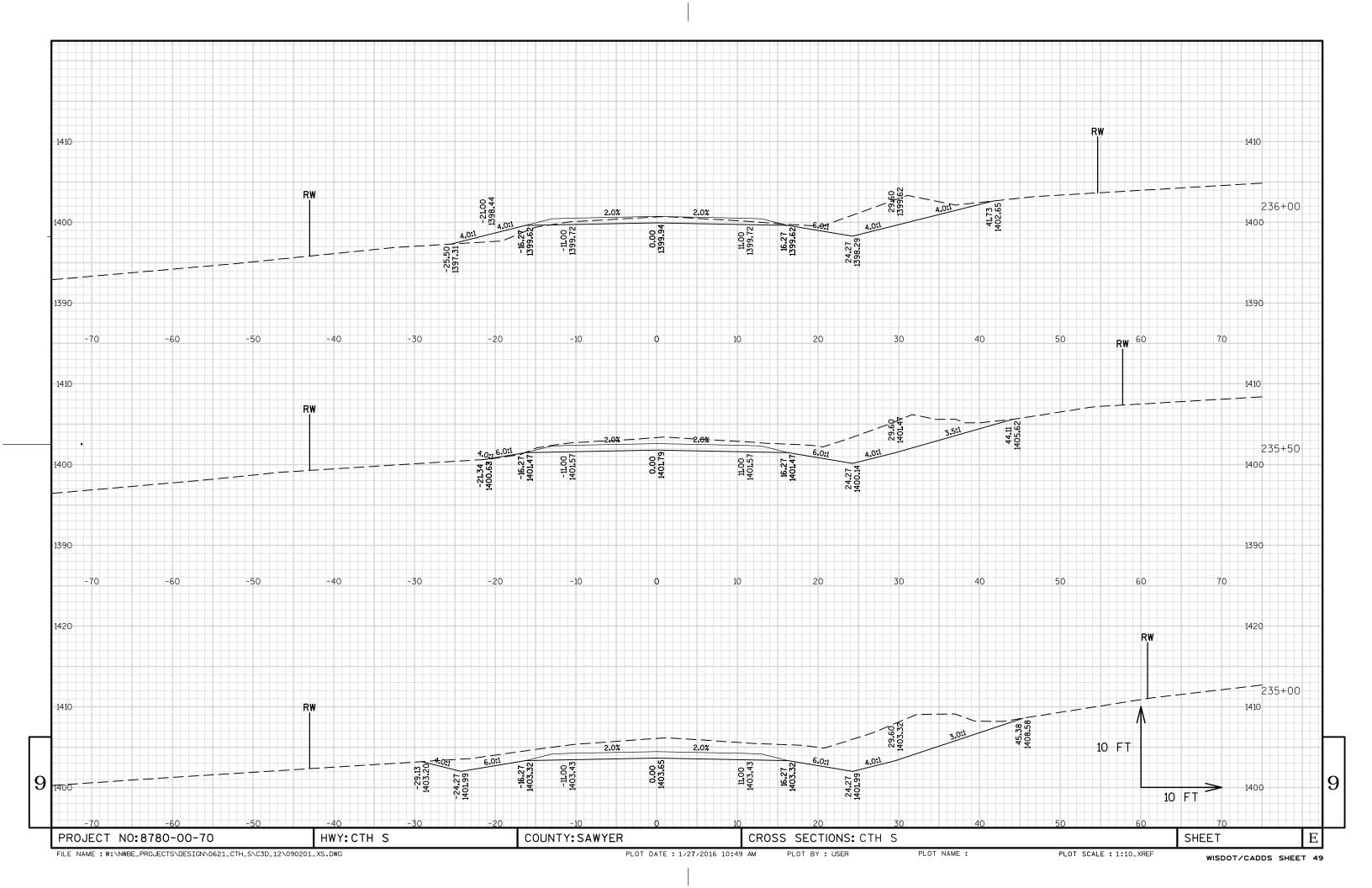


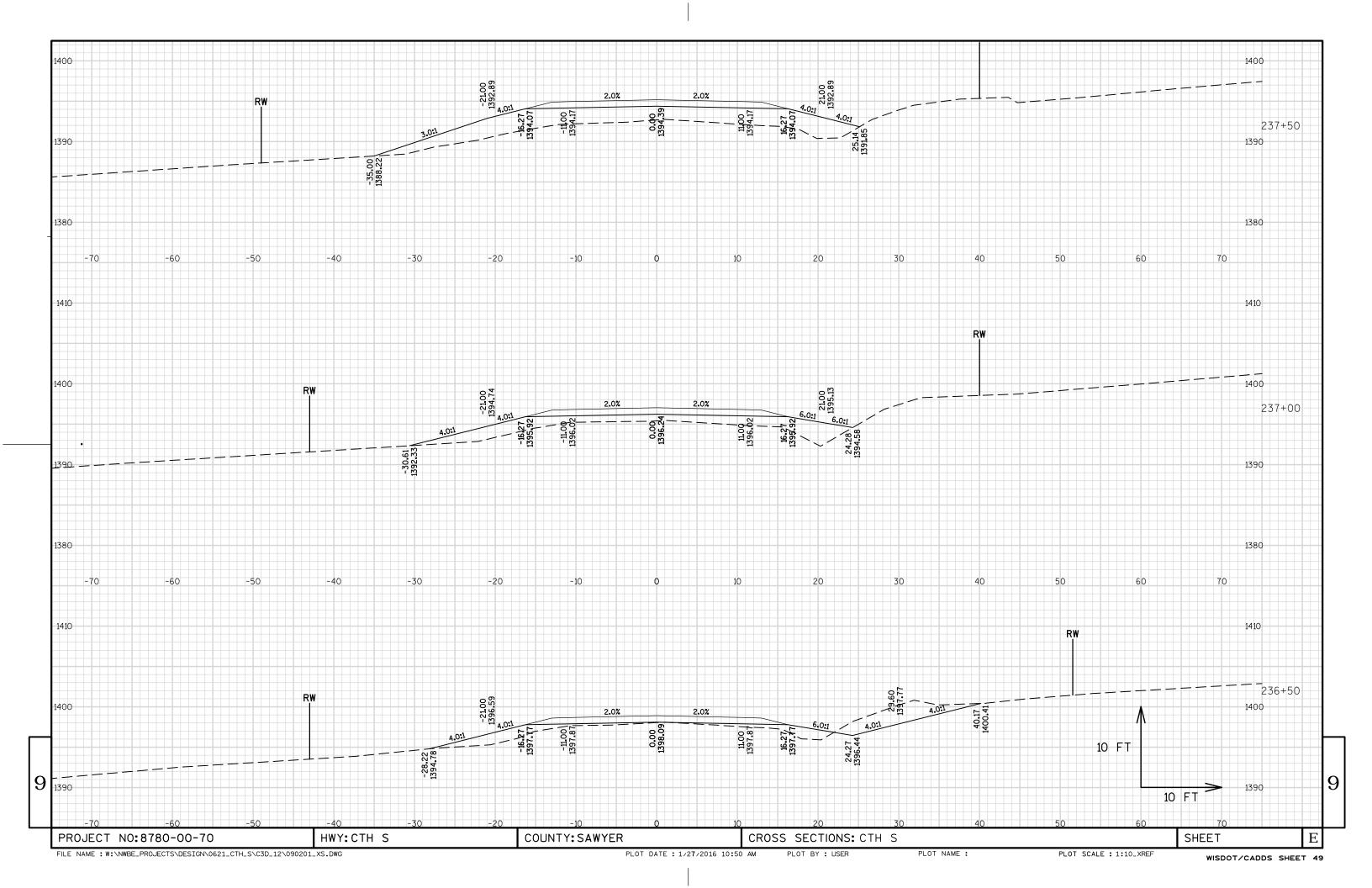


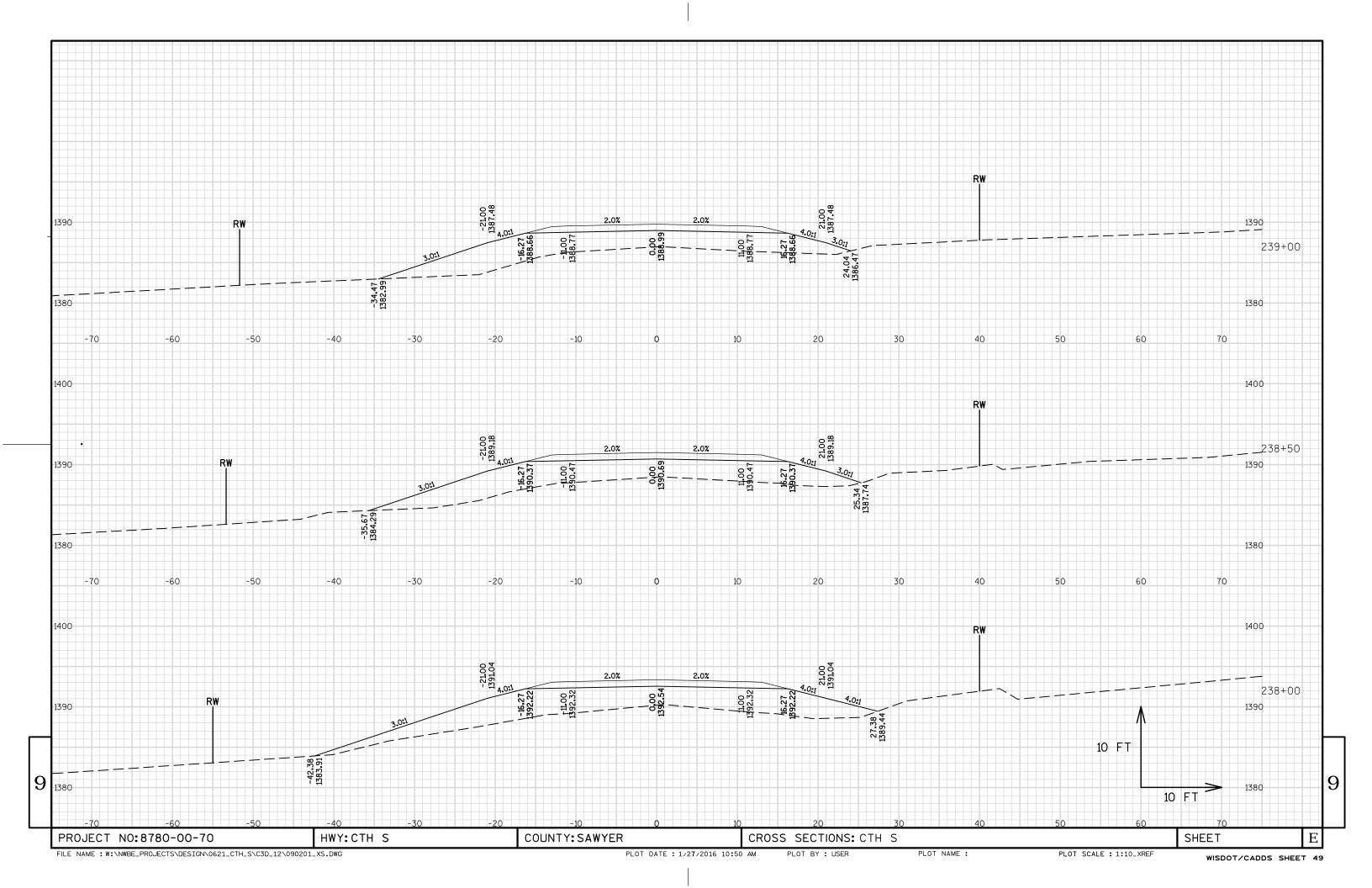


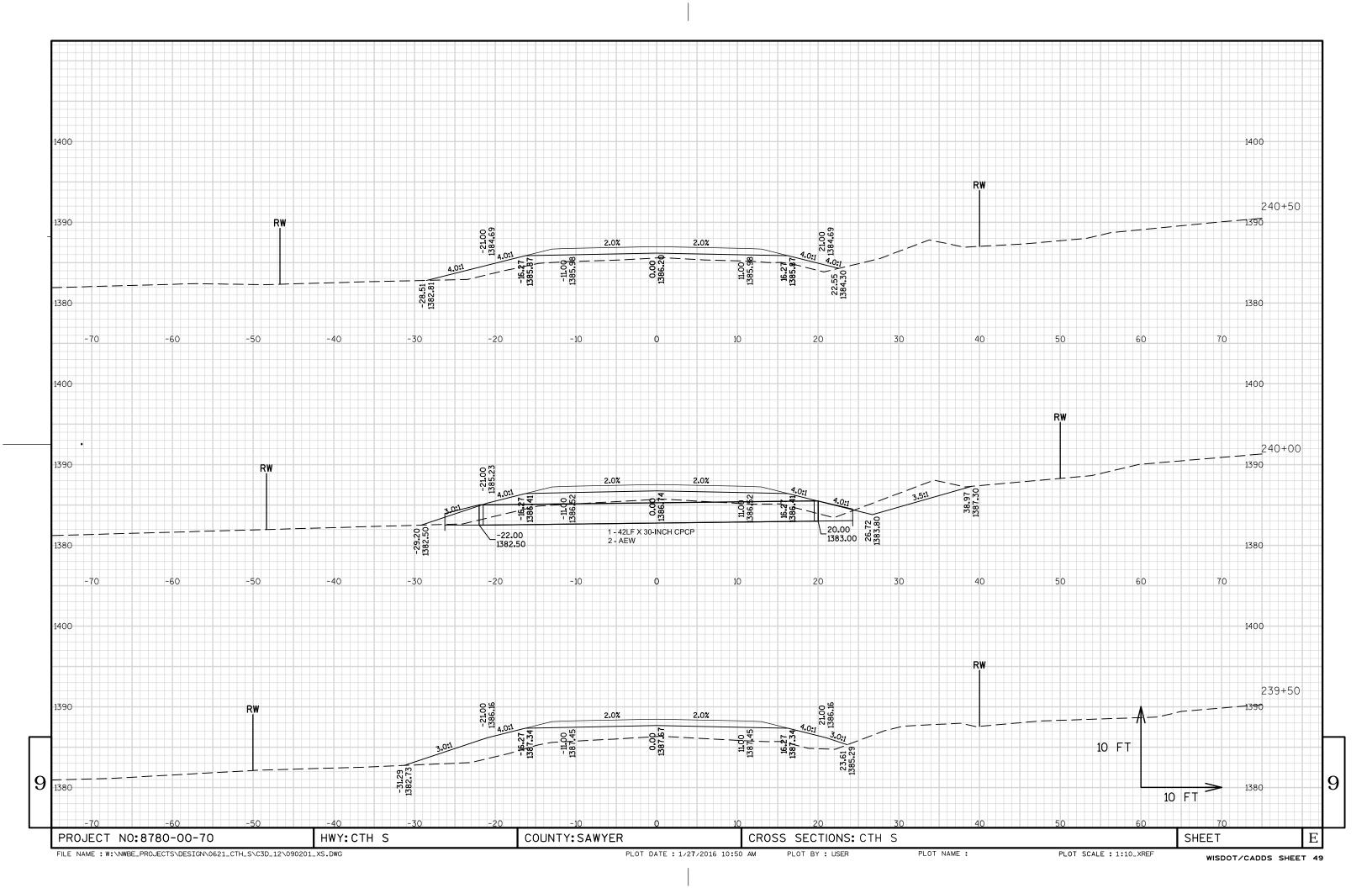


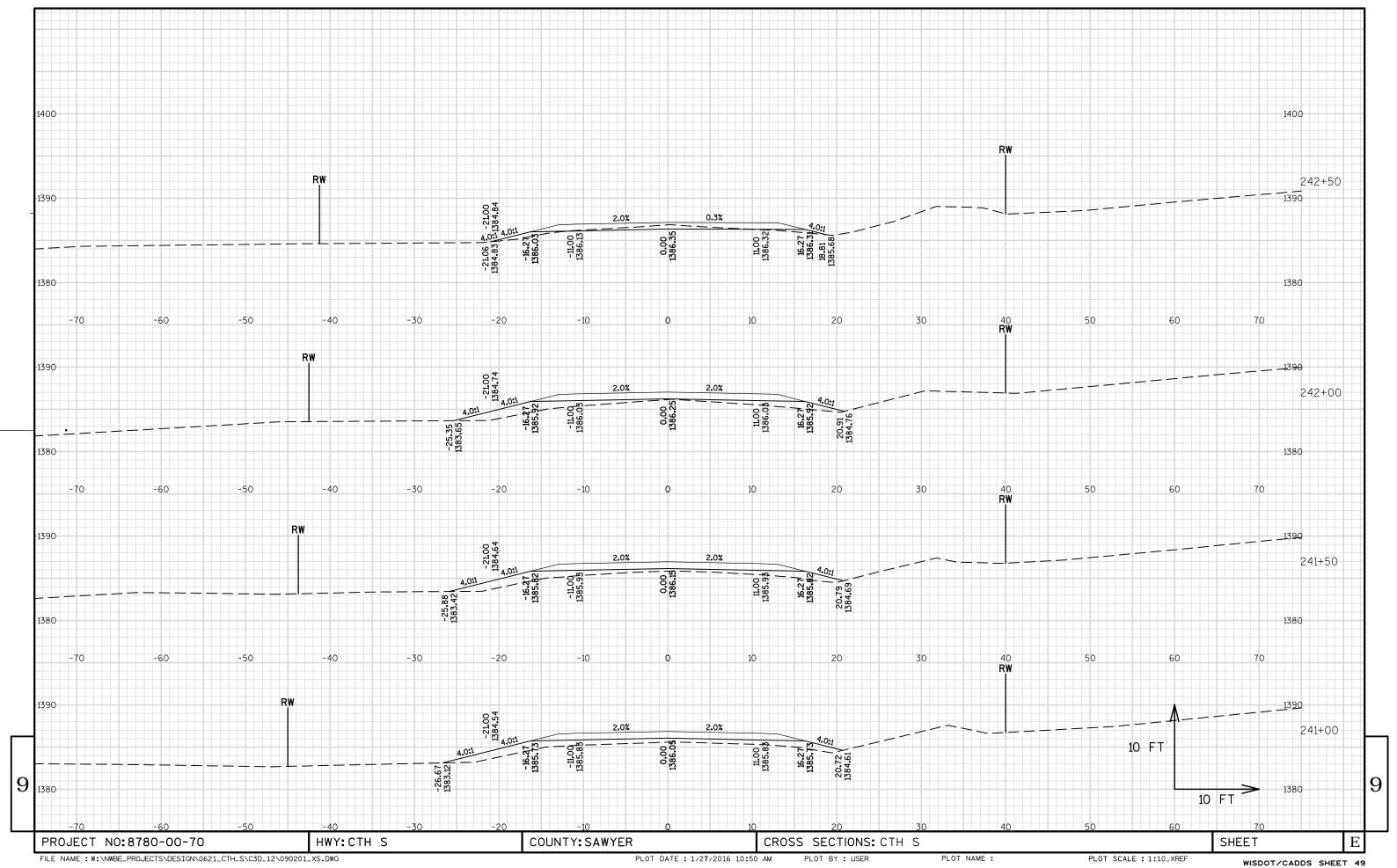


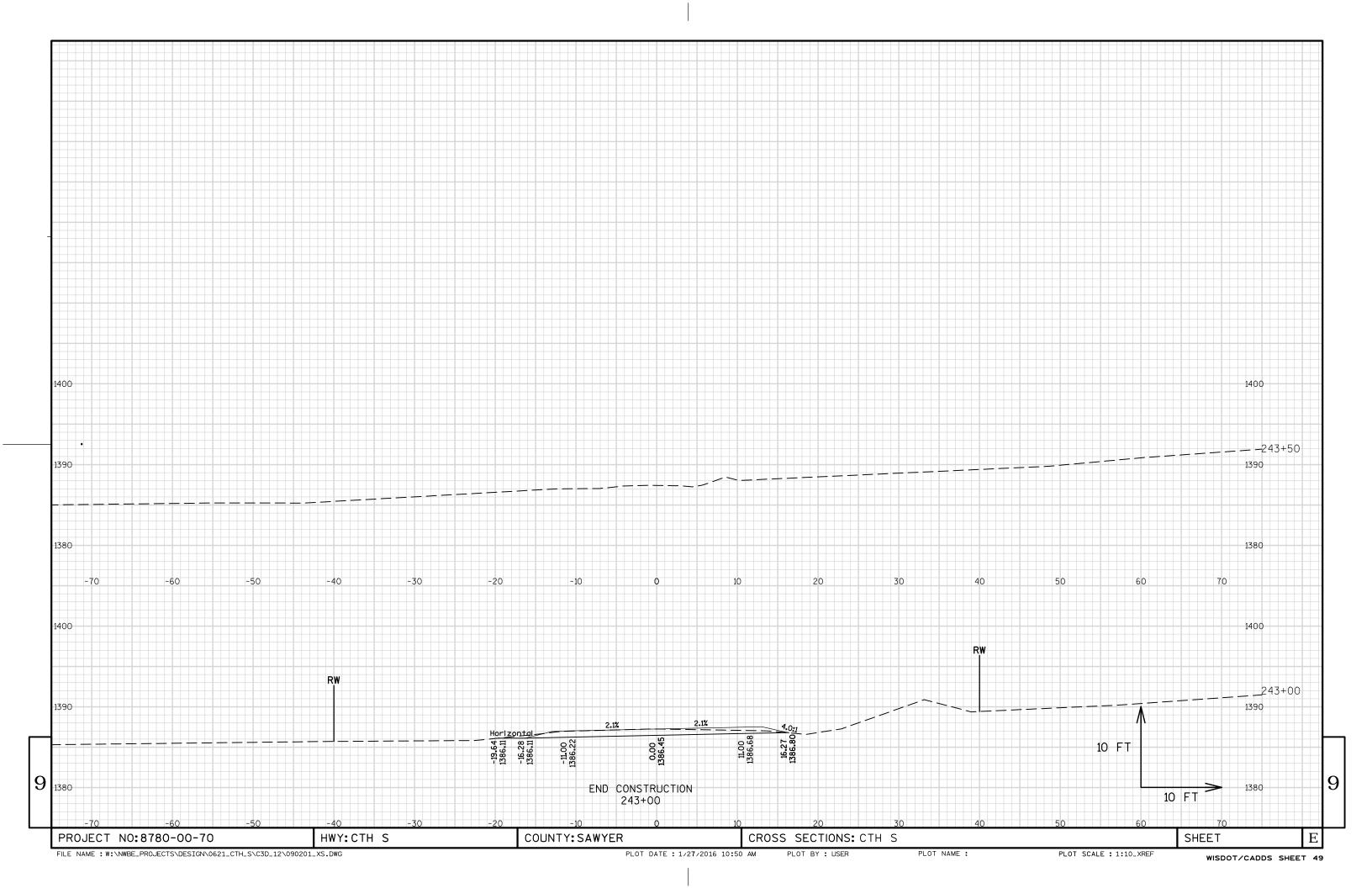


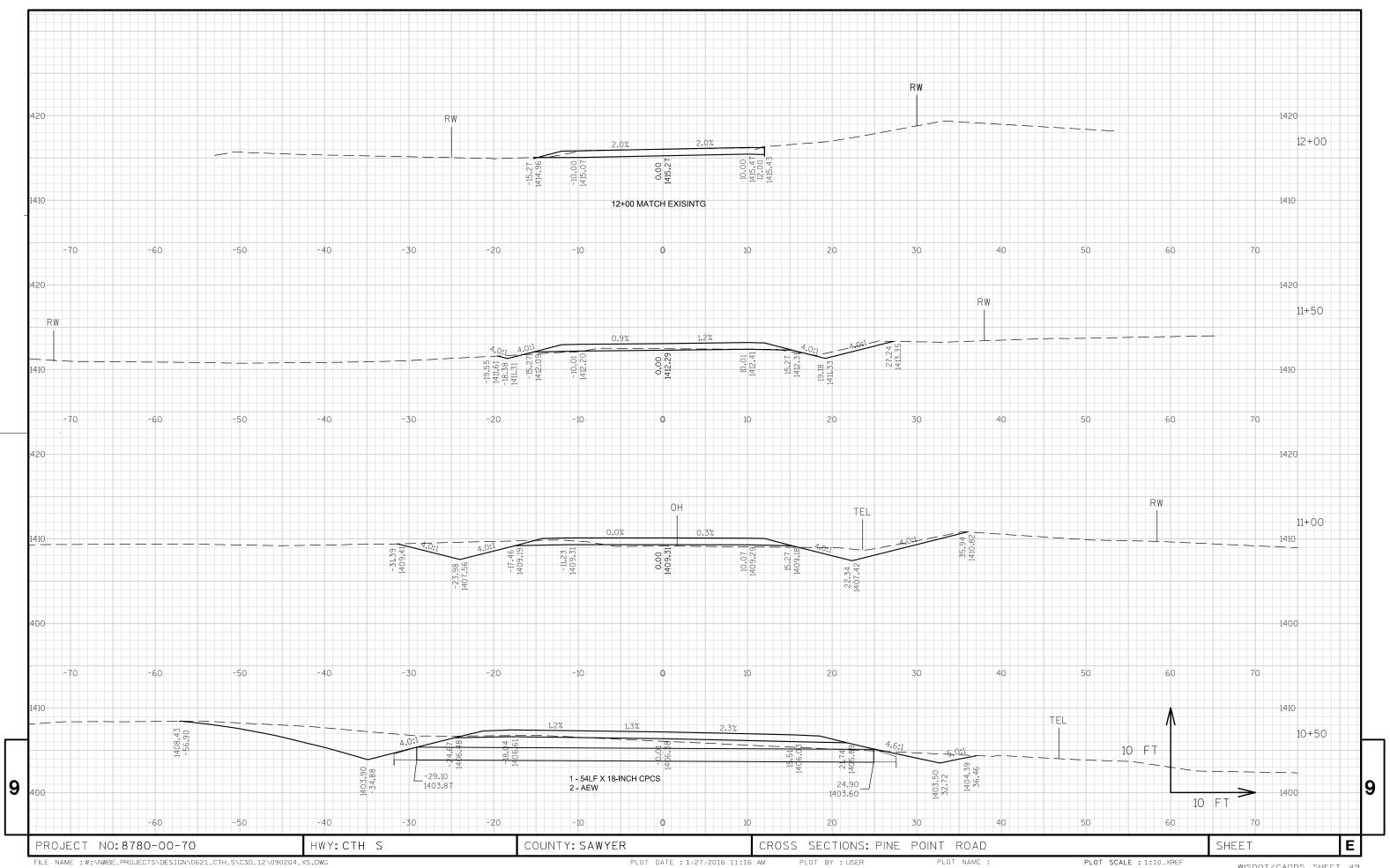


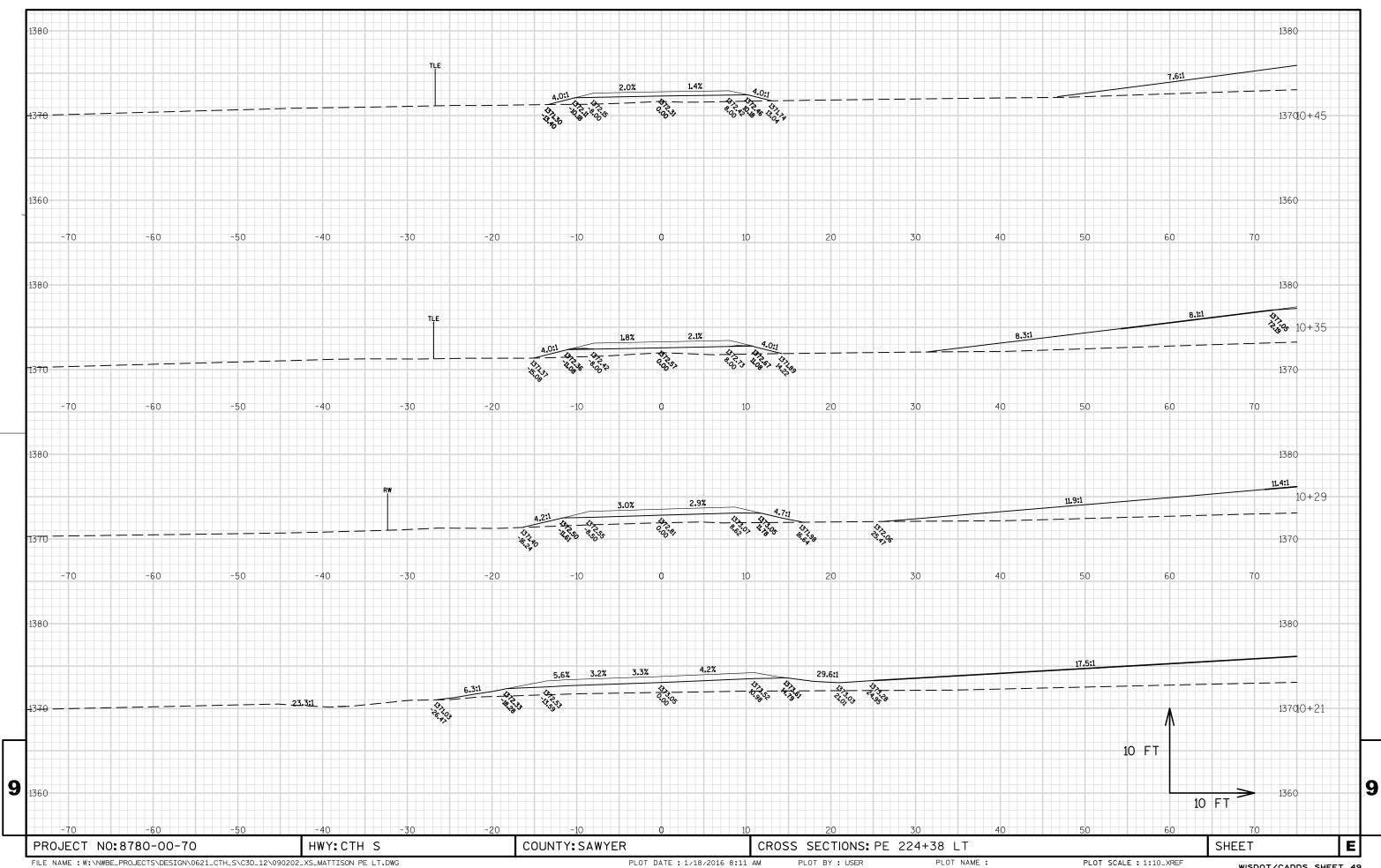


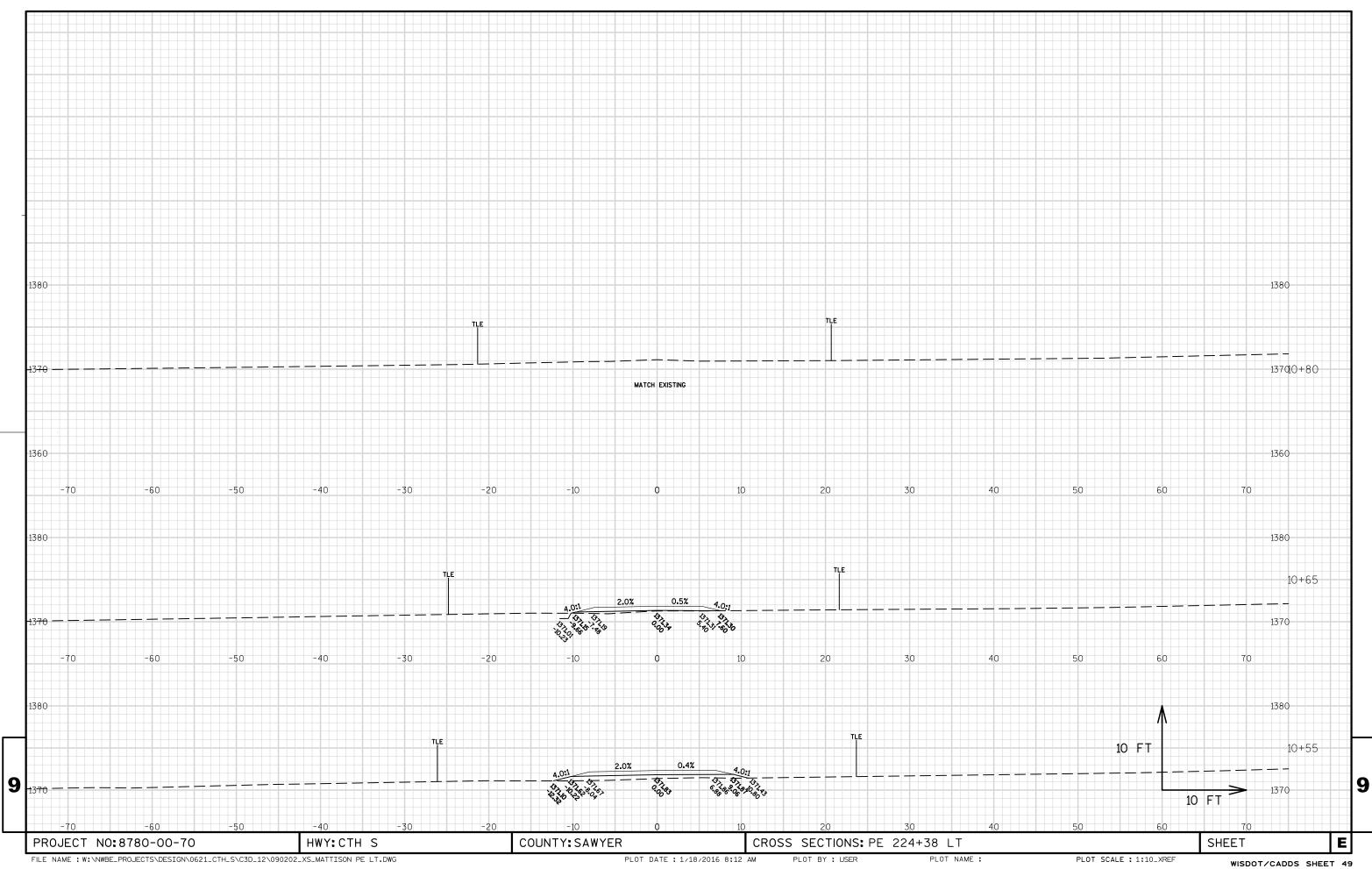












Notes



Wisconsin Department of Transportation

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http://www.dot.wisconsin.gov