FEDERAL PROJECT **JUNE 2017** STATE PROJECT STATE OF WISCONSIN PROJECT CONTRACT ORDER OF SHEETS WISC 2017323 9175-10-60 Section No. 1 DEPARTMENT OF TRANSPORTATION Typical Sections and Details Section No. 2 Estimate of Quantities Section No. 3 Section No. 3 Miscellaneous Quantities ₫ PLAN OF PROPOSED IMPROVEMENT Section No. 4 Right of Way Plat Section No. 5 Plan and Profile Section No. 6 Standard Detail Drawings 9 **ANTIGO - LILY** Section No. 7 Sign Plates Structure Plans Computer Earthwork Data **KENT RD - STH 55** 5 Section No. 9 Cross Sections **STH 52** TOTAL SHEETS = 144 10-60 **LANGLADE** STATE PROJECT NUMBER END PROJECT 9175-10-60 STA 347+84 R-12-E R-13-E *1 urtte* Lily BOSTWI 31 36 DESIGN DESIGNATION A.A.D.T. 2016 = 280 A.A.D.T. 2026 = 310 Baker = 11.8 D-H-V-BEGIN PROJECT = 59/41 = 14.0% STA 162+00 DESIGN SPEED = 55 **ESALS** = 65,700 ARROWWOOD LN LANGLADE CONVENTIONAL SYMBOLS ANG **PROFILE** PLAN CORPORATE LIMITS GRADE LINE ORIGINAL GROUND PROPERTY LINE MARSH OR ROCK PROFILE LOT LINE (To be noted as such) LIMITED HIGHWAY EASEMENT SPECIAL DITCH EXISTING RIGHT OF WAY Tyra L. GRADE ELEVATION STATE OF WISCONSIN PROPOSED OR NEW R/W LINE DEPARTMENT OF TRANSPORTATION CULVERT (Profile View) SLOPE INTERCEPT UTILITIES PREPARED BY REFERENCE LINE **ELECTRIC** JEFF BROCK Surveyor EXISTING CULVERT OVERHEAD UTILITY BEN ROSKOSKEY KENT PROPOSED CULVERT FIBER OPTIC RD GAS CHERYL SIMON COMBUSTIBLE FLUIDS R-12-E | R-13-E SANITARY SEWER MIKE WENDT LAYOUT STORM SEWER 1 MILE TELEPHONE MARSH AREA APPROVED FOR THE DEPARTMENT WATER ATE: 1/17/17 HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, COUNTY COUNTY, NADB3 (YEAR), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES. UTILITY PEDESTAL Д TOTAL NET LENGTH OF CENTERLINE = 3.52 (Signature) WOODED OR SHRUB AREA POWER POLE ₫ TELEPHONE POLE FILE NAME: N:\PDS\C3D\91751030\SHEETSPLAN\9175-10-30\010101-TI.DWG PLOT BY: ROSKOSKEY, BENJAMIN PLOT NAME: PLOT DATE: 12/28/2016 9:46 AM

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GENERAL NOTES

- 1. WHEN THE QUANTITY OF BASE AGGREGATE OR HMA PAVEMENT IS MEASURED FOR PAYMENT BY THE TON THE DEPTH OR THICKNESS SHOWN ON THE PLAN IS APPROXIMATE AND THE ACTUAL DEPTH WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL BY THE ENGINEER IN THE FIELD.
- 2. THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS RE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
- 3. PRESENCE OF CRACK FILLED MATERIAL CONTAINING RUBBER ADDITIVE MAY STILL BE PRESENT AFTER MILLING. RUBBER CRACK FILL MATERIAL MUST BE REMOVED AS SPECIFIED IN PREPARATION OF FOUNDATION FOR ASPHALTIC PAVING.
- 4. PERMANENT SIGNING STATIONING WAS CALCULATED FROM THE PHOTOLOG AND MAY BE PLUS OR MINUS 50 FEET.
- 5. ALL QUANTITIES, NOTES, AND REFERENCES TO STH 52 MAINLINE STATIONING REFERS TO THE EXISTING ALIGNMENT.

ORDER OF SECTION 2 SHEETS

PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
EROSION CONTROL
PERMANENT SIGNING
TRAFFIC CONTROL

AS-BUILTS

7037

UTILITIES AND OTHER CONTACTS

FRONTIER COMMUNICATIONS - COMMUNICATION LINE

FIELD CONTACT NAME STREET ADDRESS PO BOX ####

CTIY, WI ZIP CODE

PHONE: (###) ###-### WORK
PHONE: (###) ###-### MOBILE
E-MAIL: INSERT EMAIL NAME HERE

WISCONSIN PUBLIC SERVICE CORPORATION - ELECTRICITY

FIELD CONTACT NAME STREET ADDRESS PO BOX ####

CTIY, WI ZIP CODE

PHONE: (###) ###-### WORK
PHONE: (###) ###-### MOBILE
E-MAIL: INSERT EMAIL NAME HERE

WISCONSIN DEPARTMENT OF NATURAL RESOURCES

NORTHERN REGION HEADQUARTERS JON SIMONSEN 107 SUTLIFF AVENUE RHINELANDER, WI 54501 (715) 367-1936



PROJECT NO: 9175-10-60

HWY:STH 52

COUNTY: LANGLADE

GENERAL NOTES

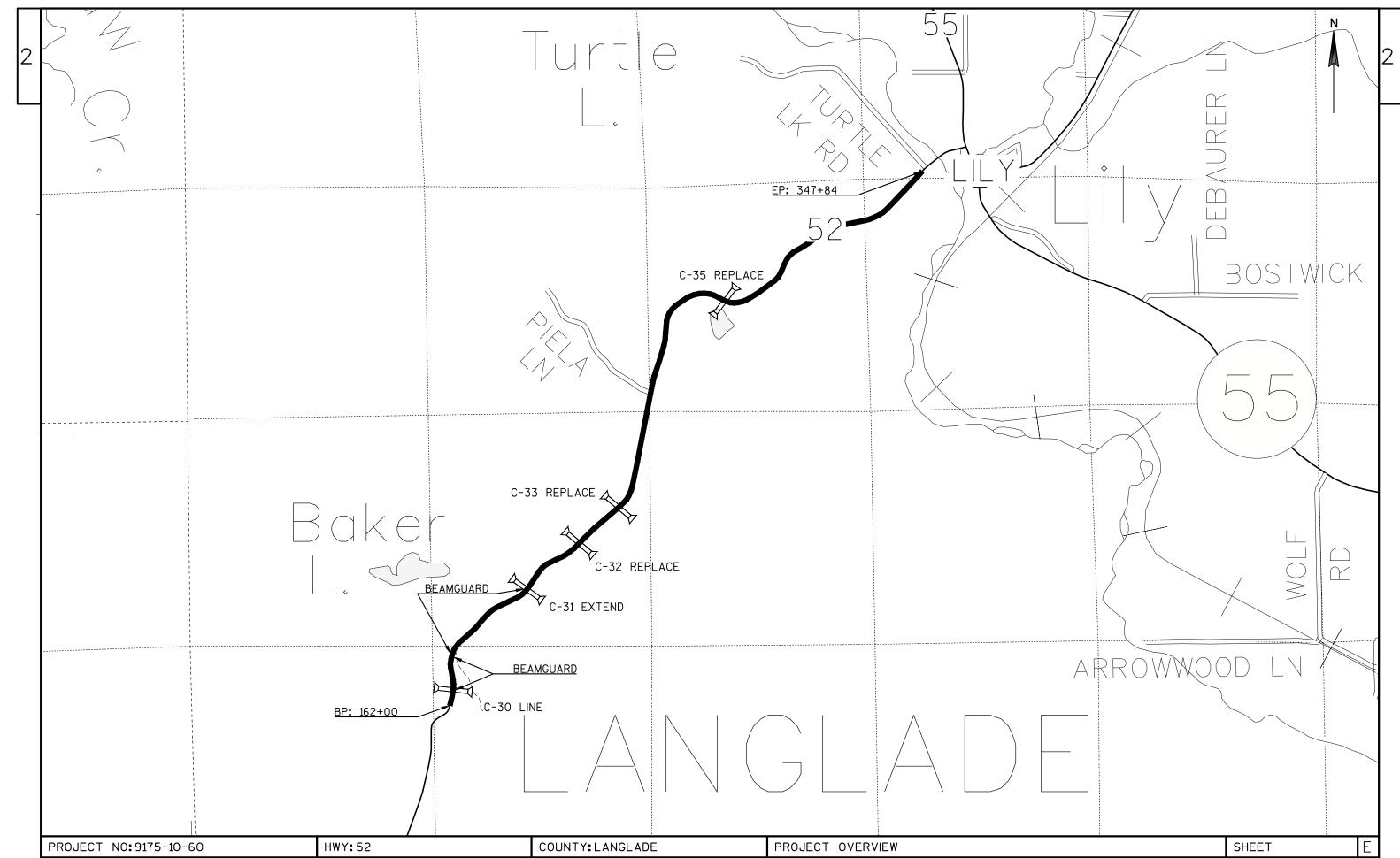
SHEET

E

FILE NAME : N:\PDS\C3D\91751030\SHEETSPLAN\9175-10-30\020101-GN.DWG

PLOT DATE : 1/17/2017 10:57 AM

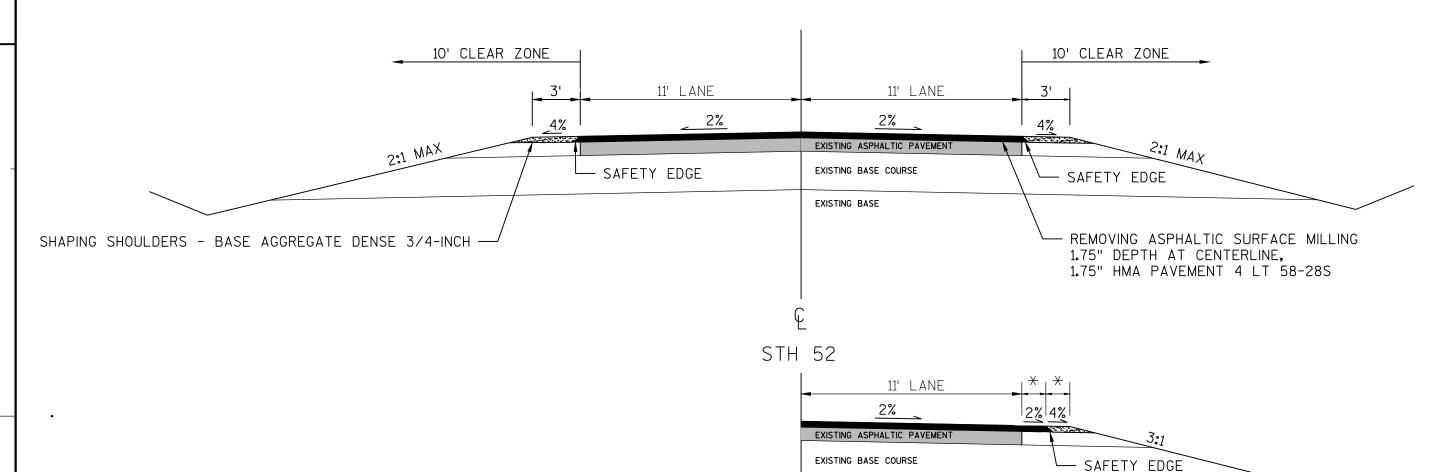
PLOT BY: ROSKOSKEY, BENJAMIN PLOT NAME:



STH 52 10' CLEAR ZONE 11' 11' 10' CLEAR ZONE 3' 2% - EXISTING BASE COURSE SHOULDER 4% 4% 5"-7" EXISTING ASPHALTIC PAVEMENT 2:1 MAX 2:1 MAX 7" EXISTING BASE COURSE EXISTING TYPICAL SECTION STATION 162+00 - STA 347+84

PROJECT NO:9175-10-60 HWY:STH 52 COUNTY:LANGLADE PLAN: TYPICAL SECTION SHEET PLAN 19175-10-30 \(\text{O20301-TS.DWG}\) SHEET PLOT DATE: 3/30/2017 9:00 AM PLOT BY: WALLNER, AARON J PLOT NAME: PLOT SCALE: 1 IN:5 FT WISDOT/CADDS SHEET 42





STA 163+00 - STA 176+73 LT STA 163+53 - STA 166+17 RT

STA 170+92 - STA 176+20 RT STA 193+21 - STA 197+96 LT

STA 228+59 - STA 234+92 LT STA 265+55 - STA 268+72 LT

STA 276+11 - STA 288+25 RT

STA 308+84 - STA 314+12 RT STA 330+49 - STA 337+88 LT

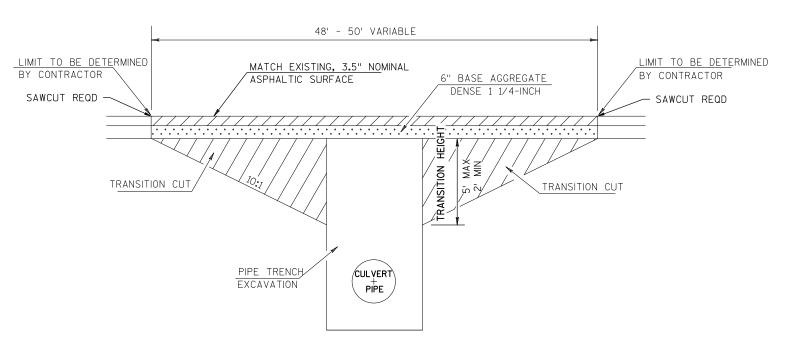
* Varies, match existing

PROPOSED TYPICAL SECTION

EXISTING BASE

STA 162+00 - STA 347+84

PROJECT NO:9175-10-60 HWY:STH 52 COUNTY:LANGLADE PLAN: TYPICAL SECTION SHEET



LOCATIONS CULVERT ID	# SIZE	TRANSITION HEIGHT	LENGTH OF TRANSITION CUT	TRANSITION CUT VOLUME
STA 213+90 C-32	30"	2'	50'	45 CY
STA 226+43 C-33	24"	2'	50'	45 CY
STA 289+28 C-35	24"	2'	50'	45 CY

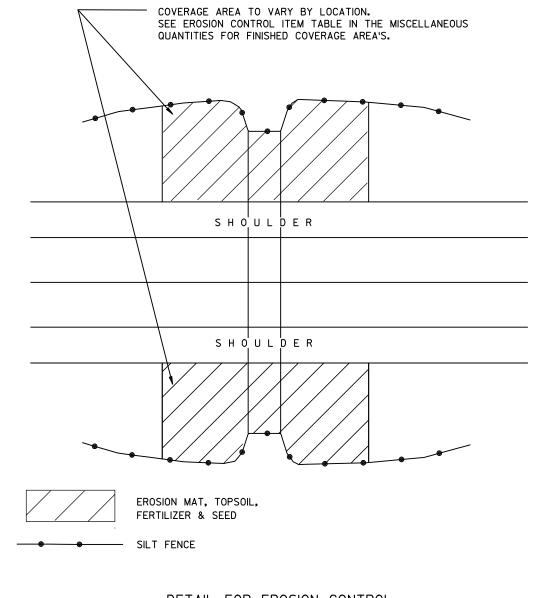
CULVERT PIPE TRANSITION

NOTE: REUSE MATERIAL REMOVED IN TRANSITION CUT AND PIPE TRENCH EXCAVATIONS AS BACKFILL UNLESS OTHERWISE DIRECTED BY THE ENGINEER TO USE BACKFILL GRANULAR.

PIPE TRENCH EXCAVATION, EXCLUDING TRANSITION CUT, IS CONSIDERED INCIDENTAL TO PIPE INSTALLATION. TRANSITION CUT WILL BE PAID FOR AS EXCAVATION COMMON.

TRANSITION CUT WILL BE TO EDGE OF SHOULDER ON EACH SIDE OF CENTERLINE.

CONSTRUCT PER STANDARD SPECIFICATION 520.

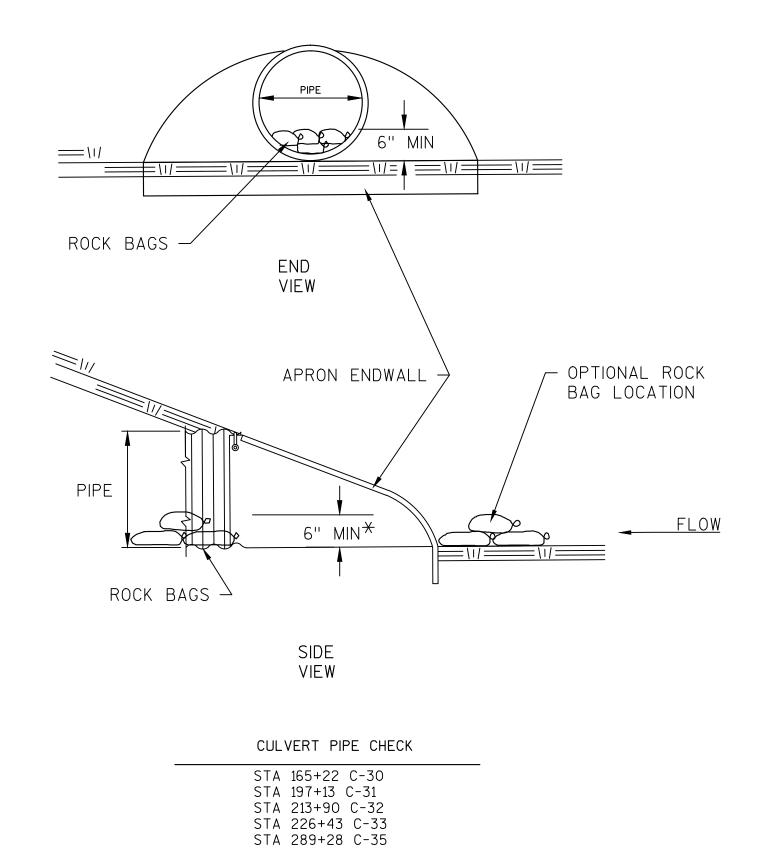


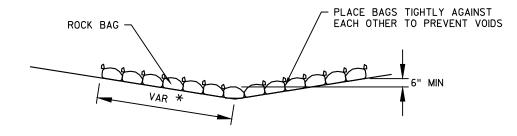
DETAIL FOR EROSION CONTROL

STA 165+22 C-30 STA 197+13 C-31 STA 213+90 C-32 STA 226+43 C-33 STA 289+28 C-35

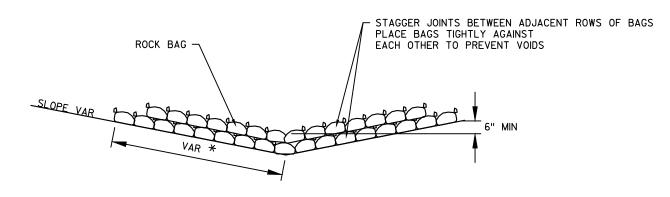
PROJECT NO: 9175-10-60 HWY:STH 52 COUNTY: LANGLADE SHEET E CONSTRUCTION DETAILS

2



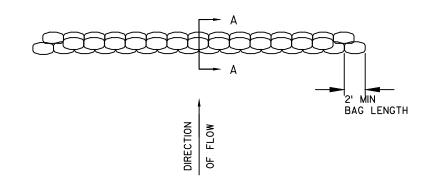


SIDE VIEW (SINGLE LAYER)

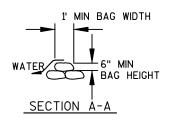


* LENGTH AND NUMBER OF BAGS MAY VARY DEPENDING ON DESIRED DEPTH OF WATER POOL

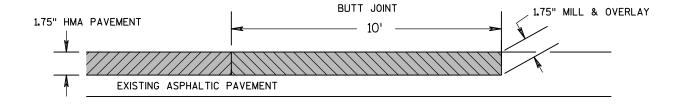
SIDE VIEW (MULTIPLE LAYER)



TOP VIEW (MULTIPLE LAYER)



ROCK BAGS USED FOR DITCH CHECKS



REMOVING ASPHALTIC SURFACE, MILLING 1.75"

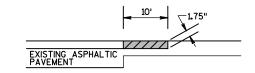
REMOVING ASPHALTIC SURFACE, BUTT JOINT 1.75"

HMA PAVEMENT

NOTE: EXACT DIMENSIONS AND LOCATIONS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

MAINLINE BUTT JOINT DETAIL

STA 162+00 - 162+10 STA 347+74 - 347+84

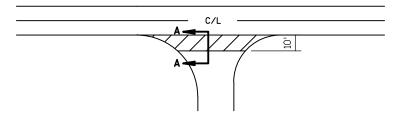


SIDEROADS: 1.75" HMA PAVEMENT
DRIVEWAYS AND FIELD ENTRANCES: 1.75" ASPHALT SURFACE

REMOVING ASPHALTIC SURFACE MILLING

NOTE: EXACT DIMENSIONS AND LOCATIONS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

SECTION A - A



REMOVING ASPHALTIC SURFACE MILLING 1.75"

NOTE: EXACT DIMENSIONS AND LOCATIONS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

SIDEROADS & DRIVEWAYS

PROJECT NO: 9175-10-60

HWY:STH 52

COUNTY: LANGLADE

CONSTRUCTION DETAILS

SHEET

SHEET

FILE NAME : N:\PDS\C3D\91751030\SHEETSPLAN\021000-CD.DWG LAYOUT NAME -021003_cd

PLOT DATE: 12/30/2016 1:20 PM

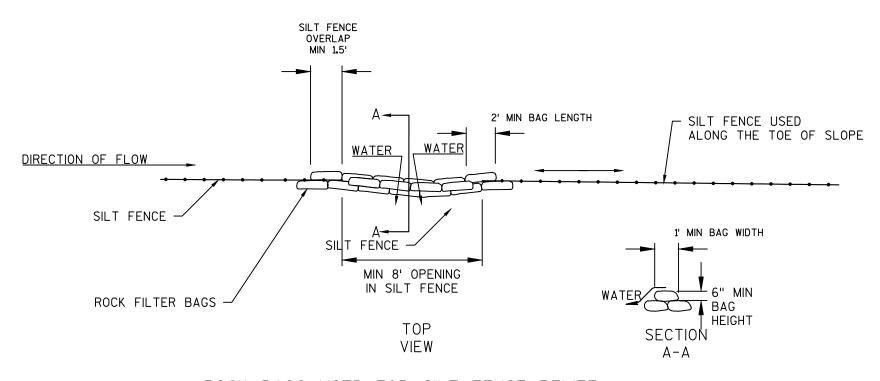
PLOT BY: ROSKOSKEY, BENJAMIN PLOT NAME:

PLOT SCALE : 1 IN:10 FT

E

2

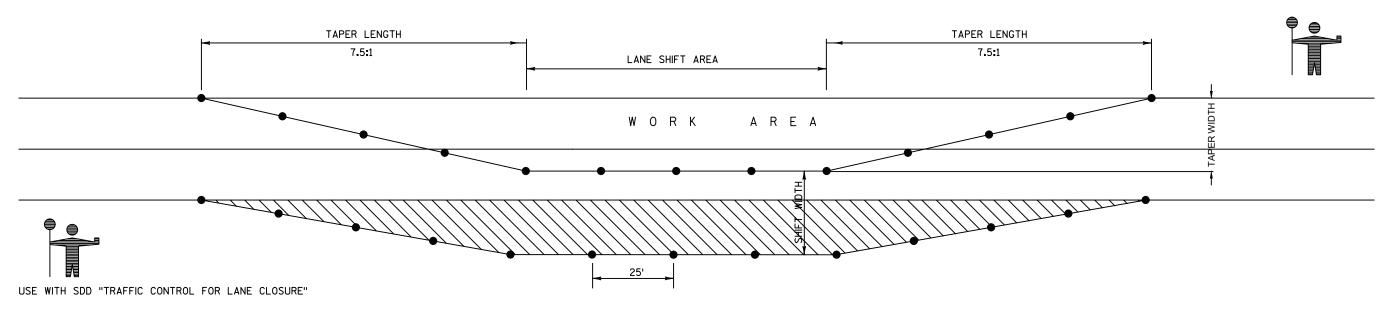
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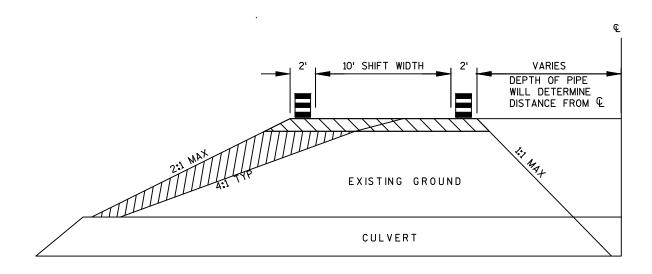


ROCK BAGS USED FOR SILT FENCE RELIEF

2

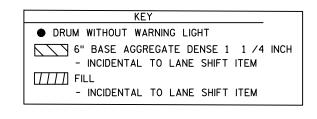
USE WITH SDD "TRAFFIC CONTROL FOR LANE CLOSURE"





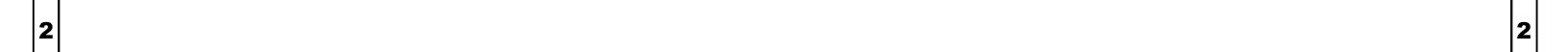
NOTES

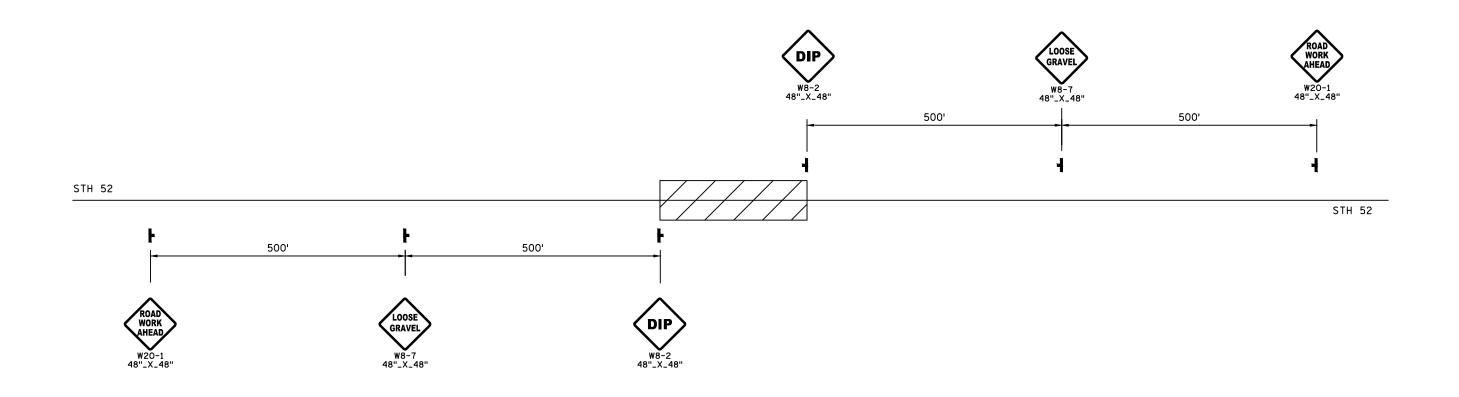
- 1. THE TAPER SHOULD EXTEND ACROSS THE SHOULDER UNLESS DOING SO WOULD GREATLY CONFLICT WITH THE WORK OPERATION
- 2. ALL LANE CLOSURE SIGNS SHALL BE REMOVED OR COVERED AND ALL DEVICES REMOVED BEYOND THE SHOULDER WHEN WORK IS NOT IN PROGRESS AND THE LANE IS RESTORED TO A SAFE OPERATING CONDITION
- 3. CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM TRAVEL LANE WHEN WORK IS NOT IN PROGRESS
- 4. USE WITH SDD "TRAFFIC CONTROL FOR LANE CLOSURE"





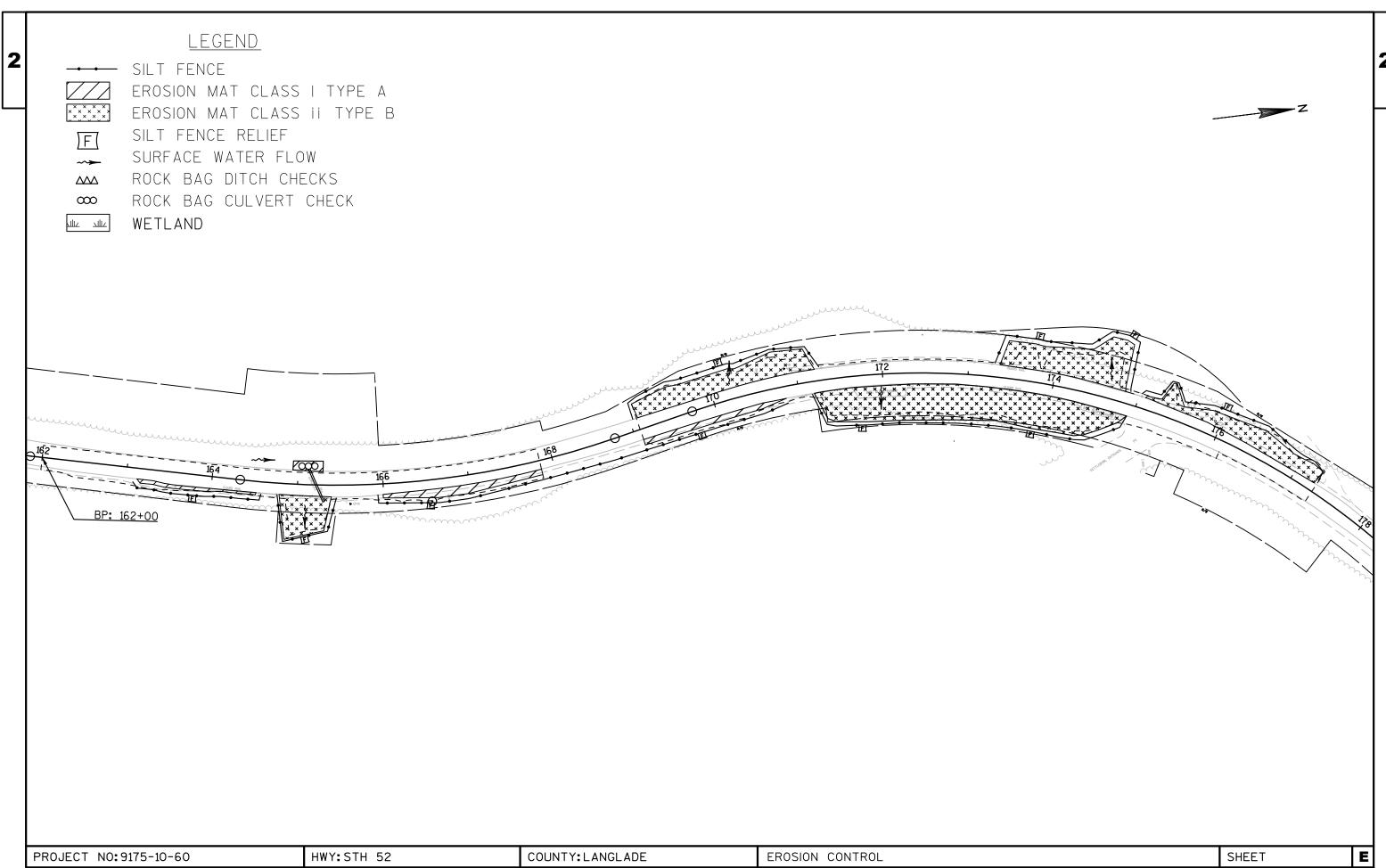
LANE SHIFT DETAIL

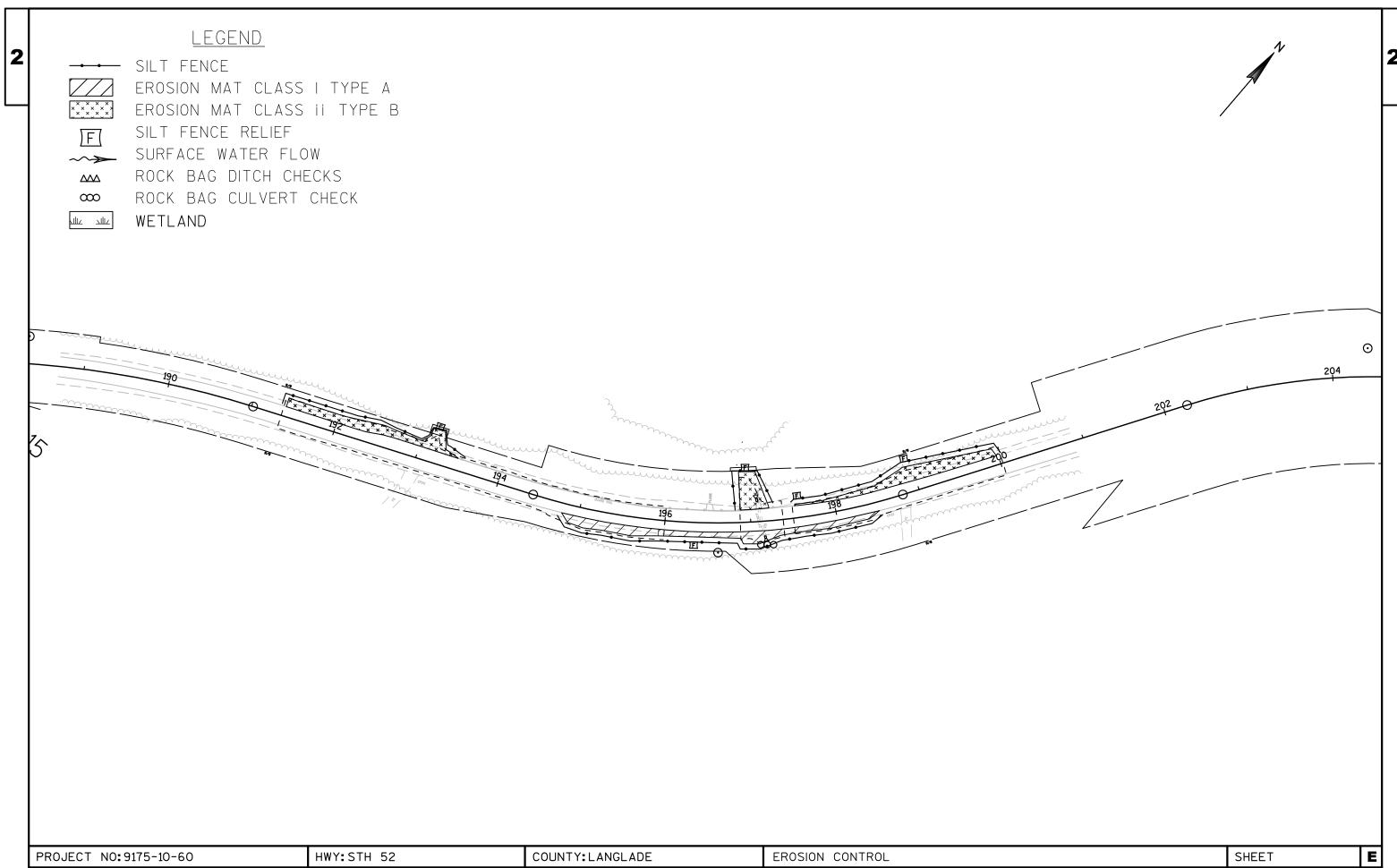


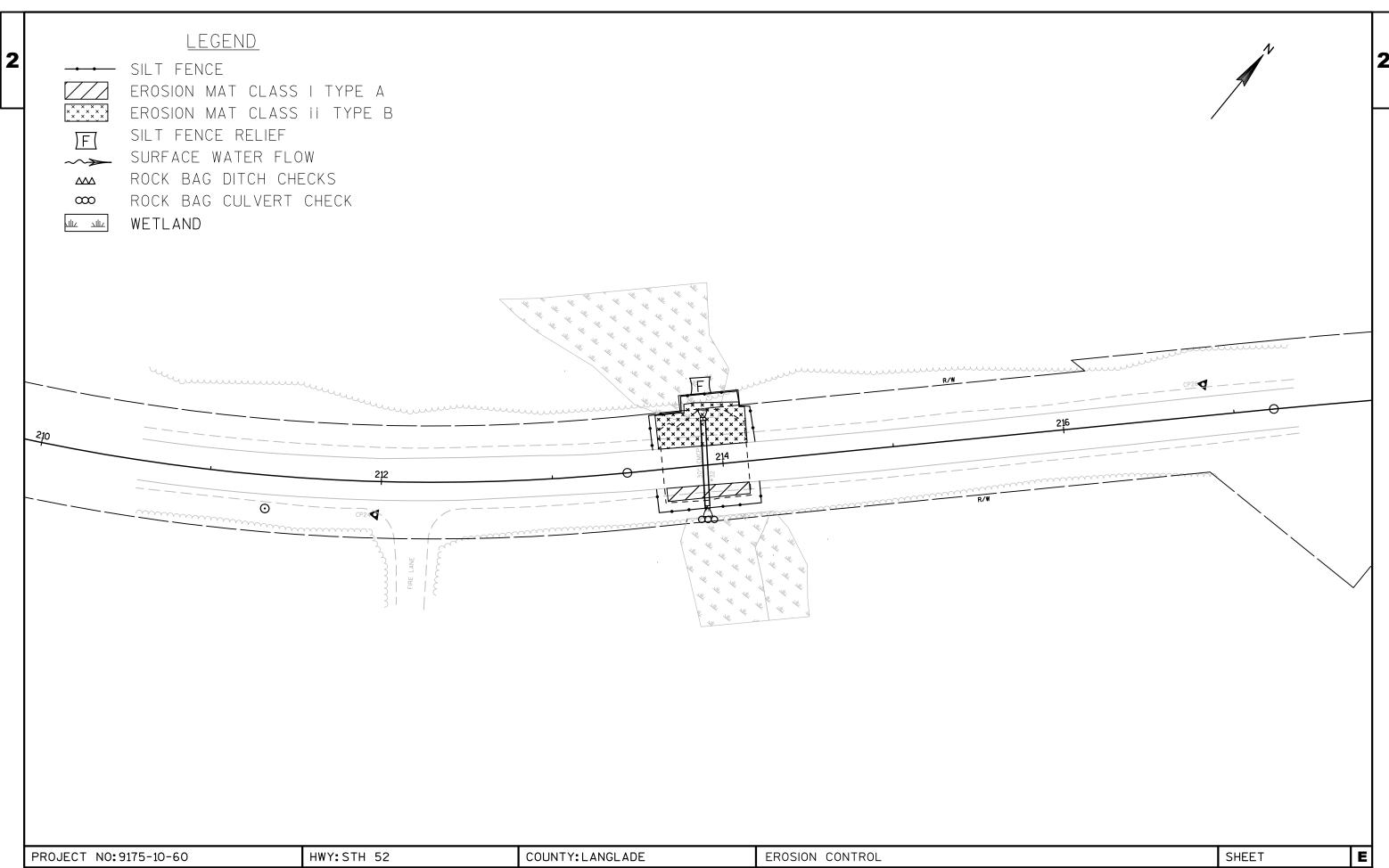


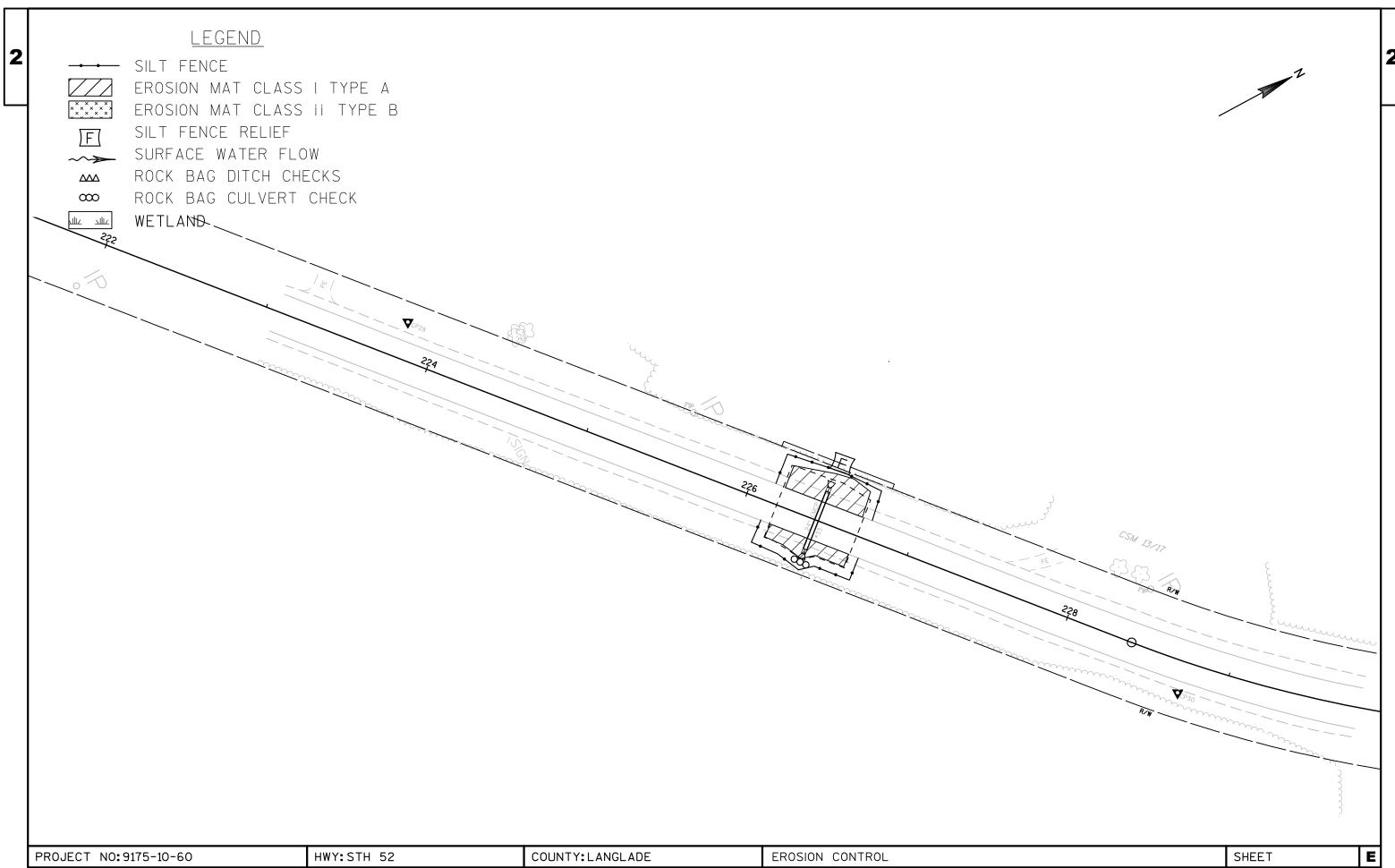
CULVERT PIPE TRANSITION AREA
48' MIN - 110' MAX

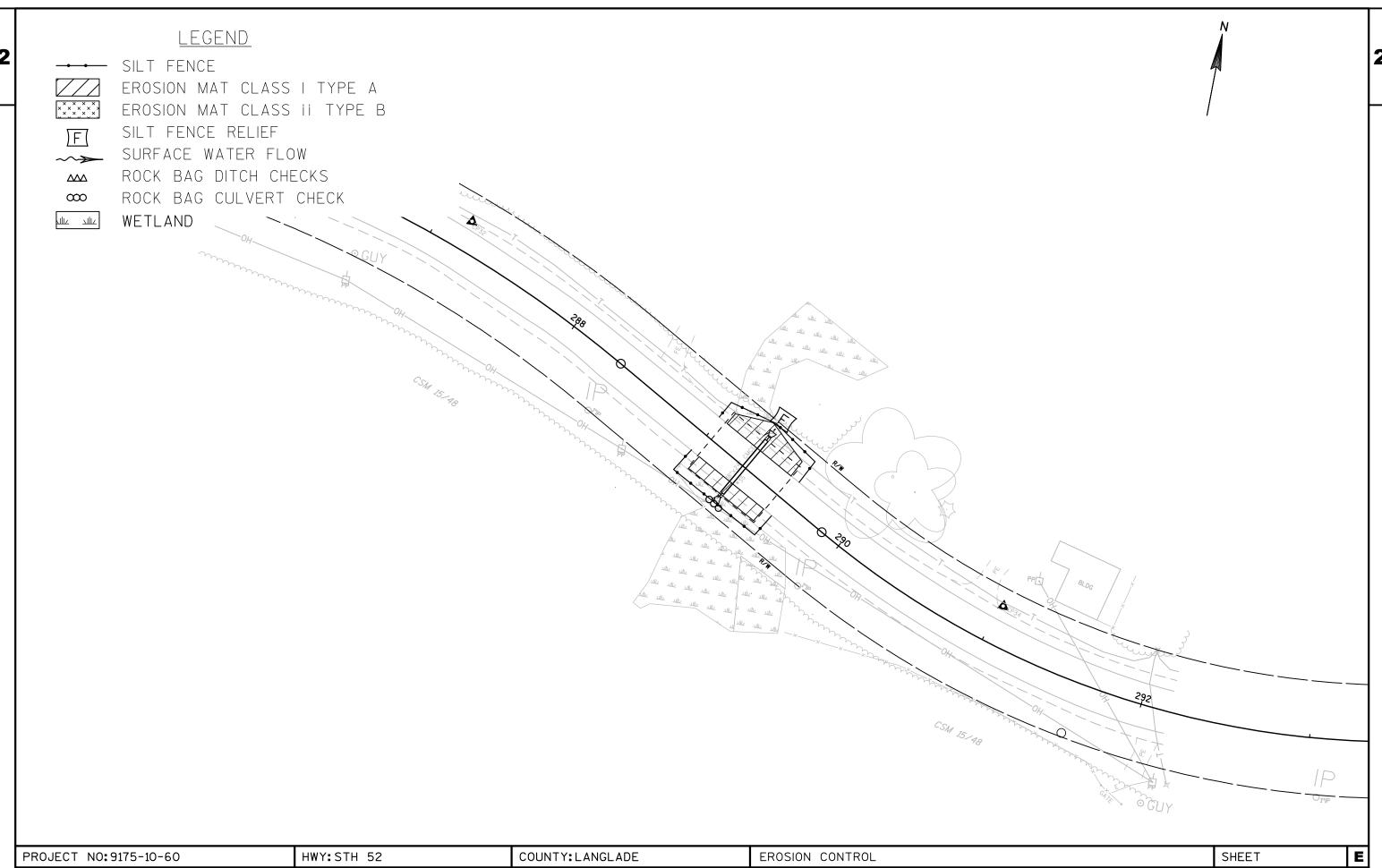
TEMPORARY SIGNING AT CULVERT PIPE REPLACEMENT

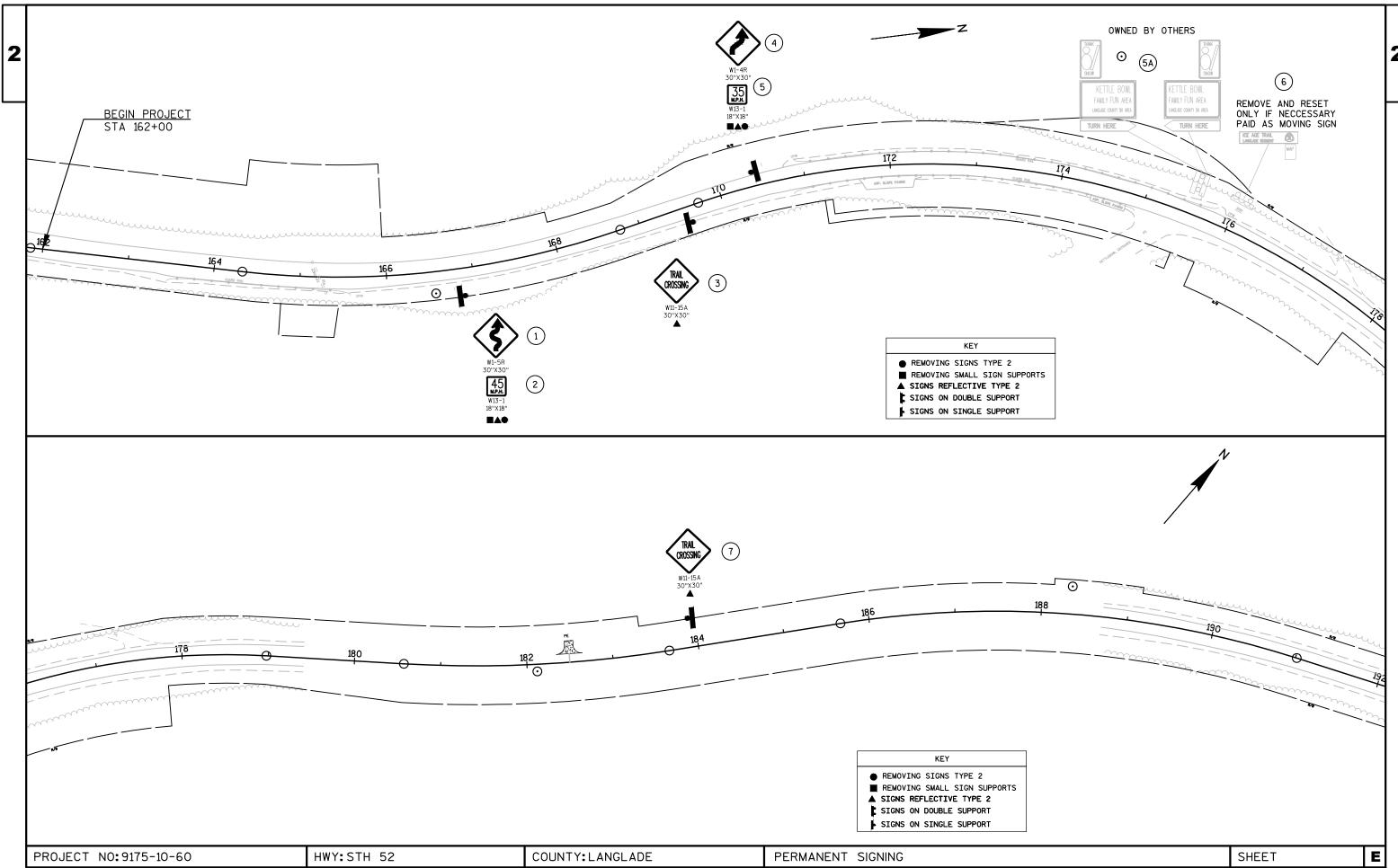


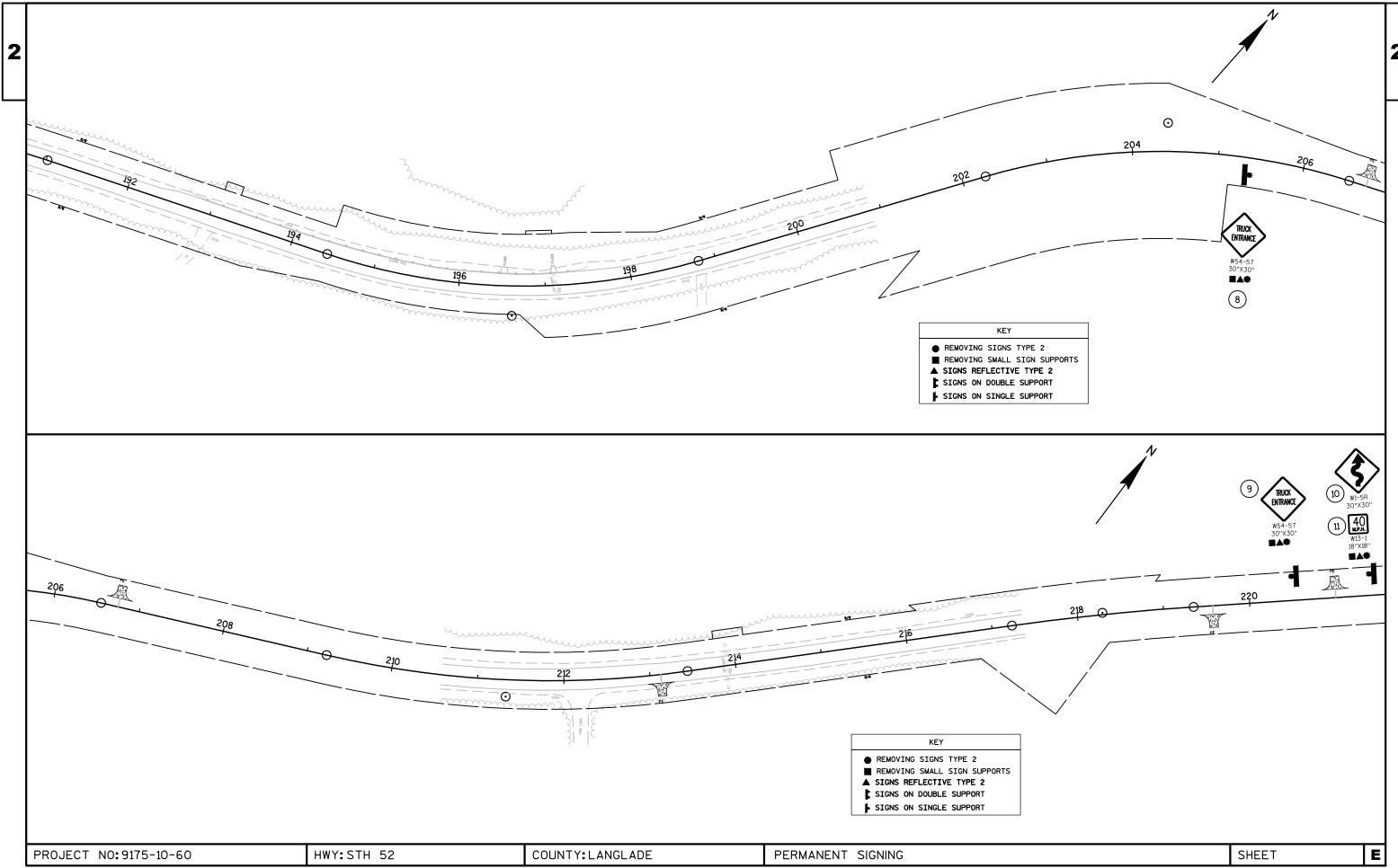


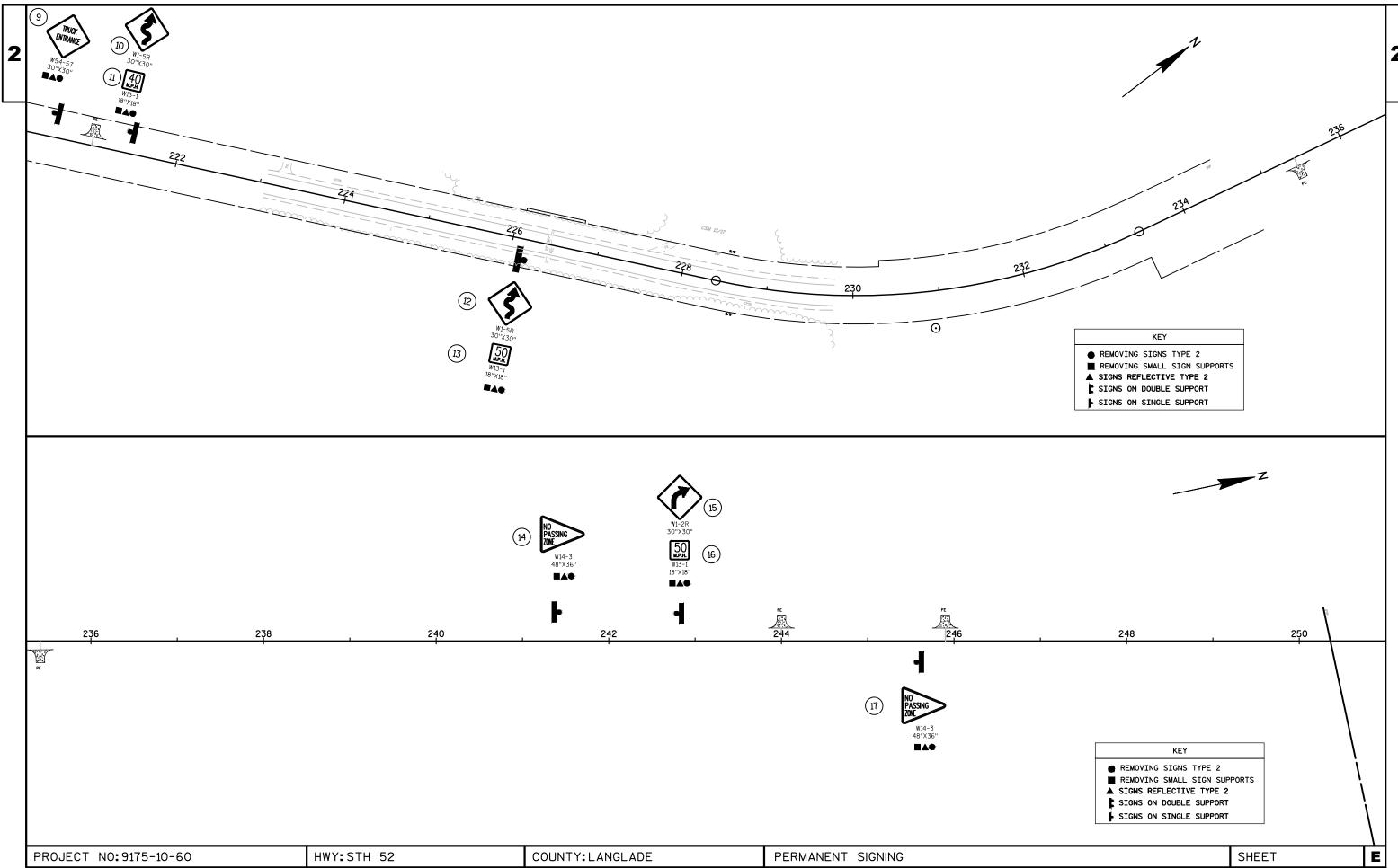


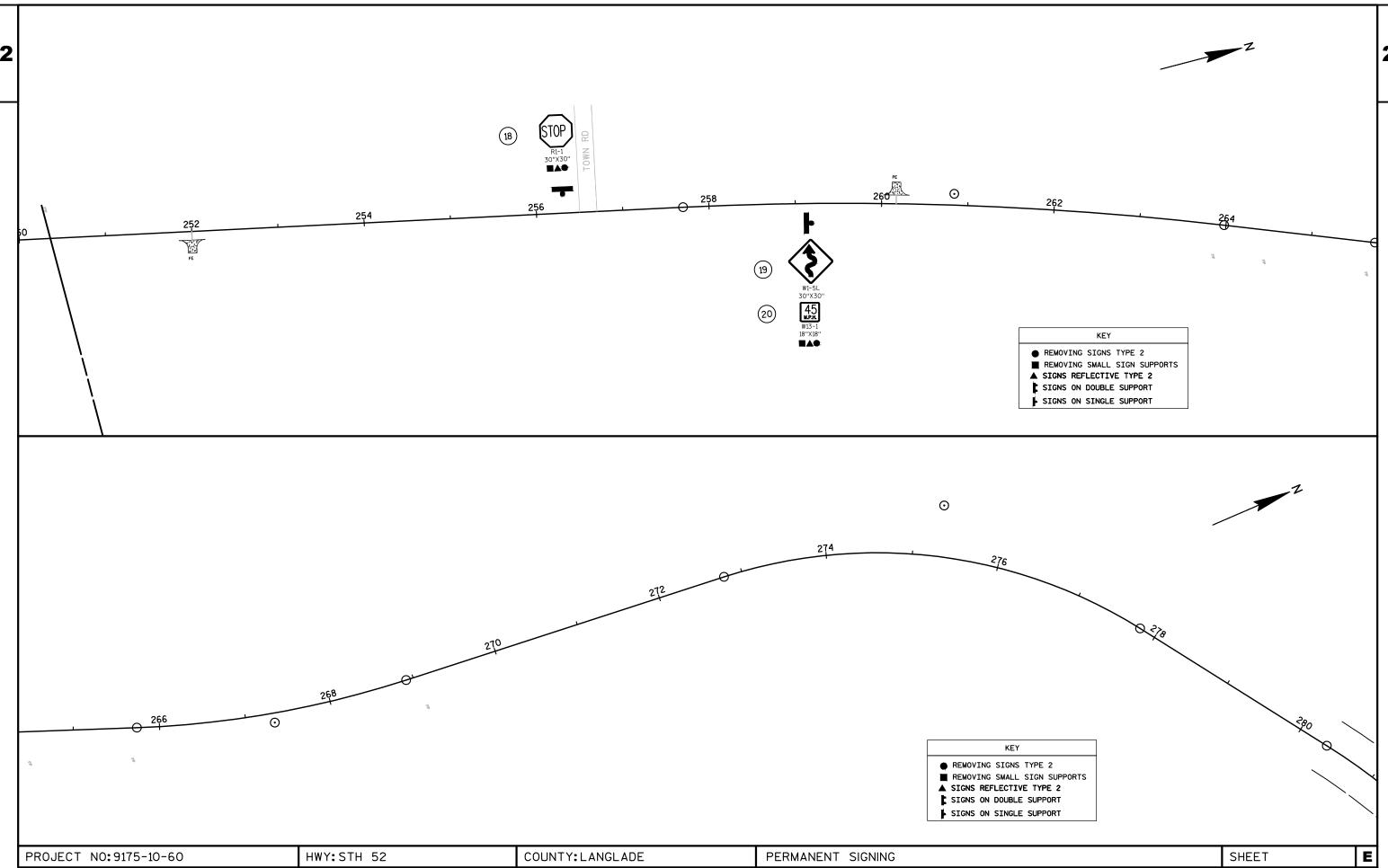


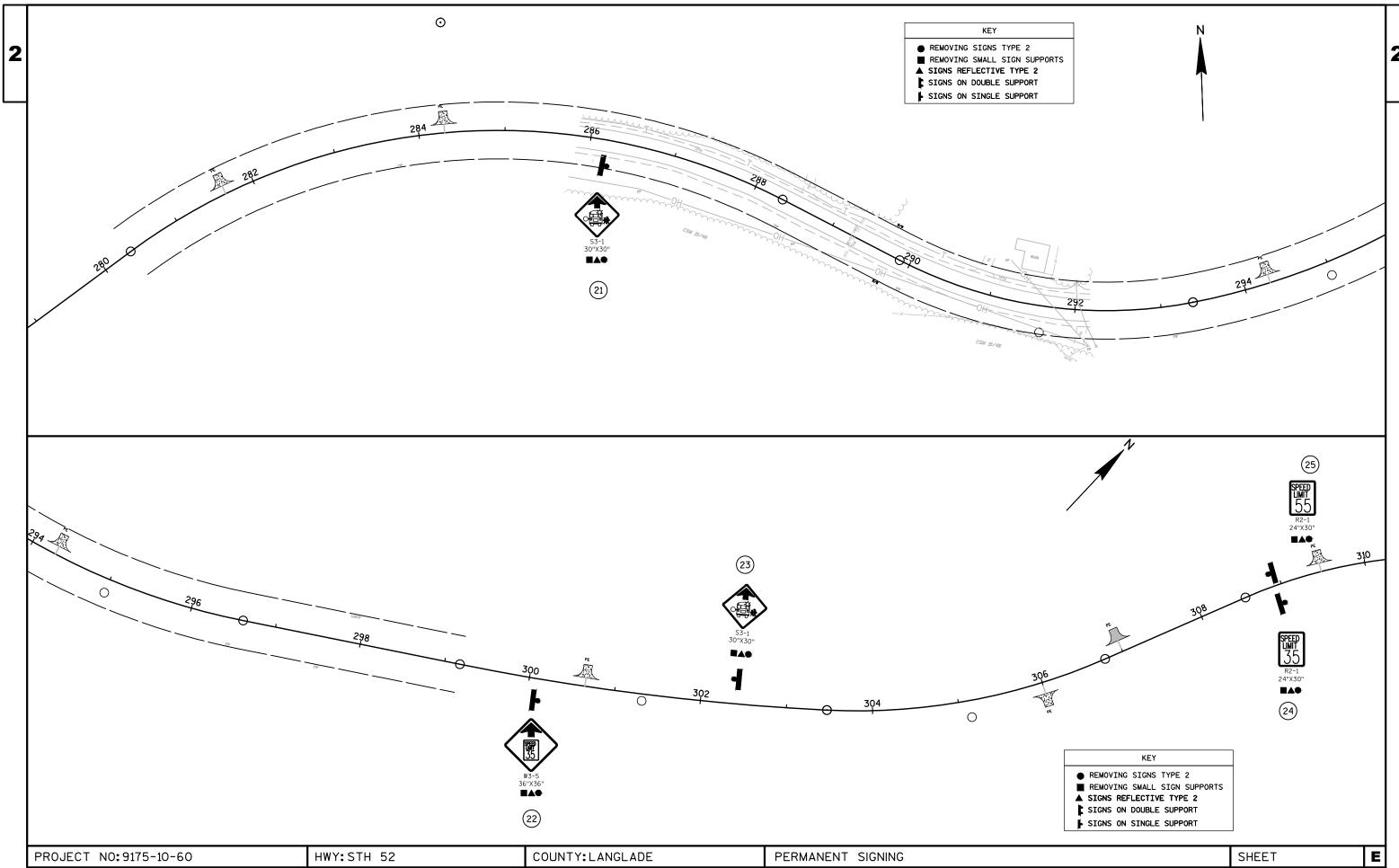


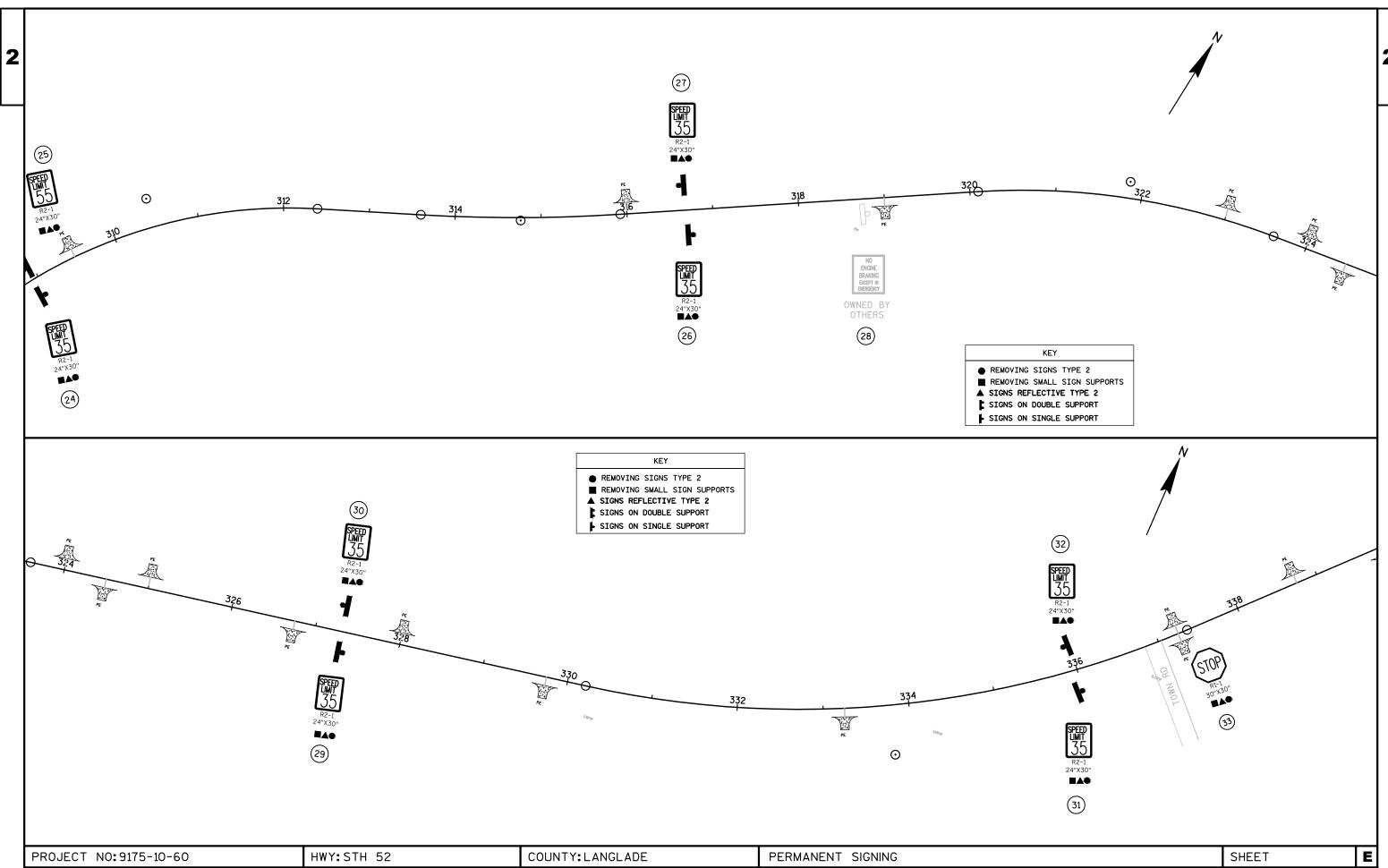


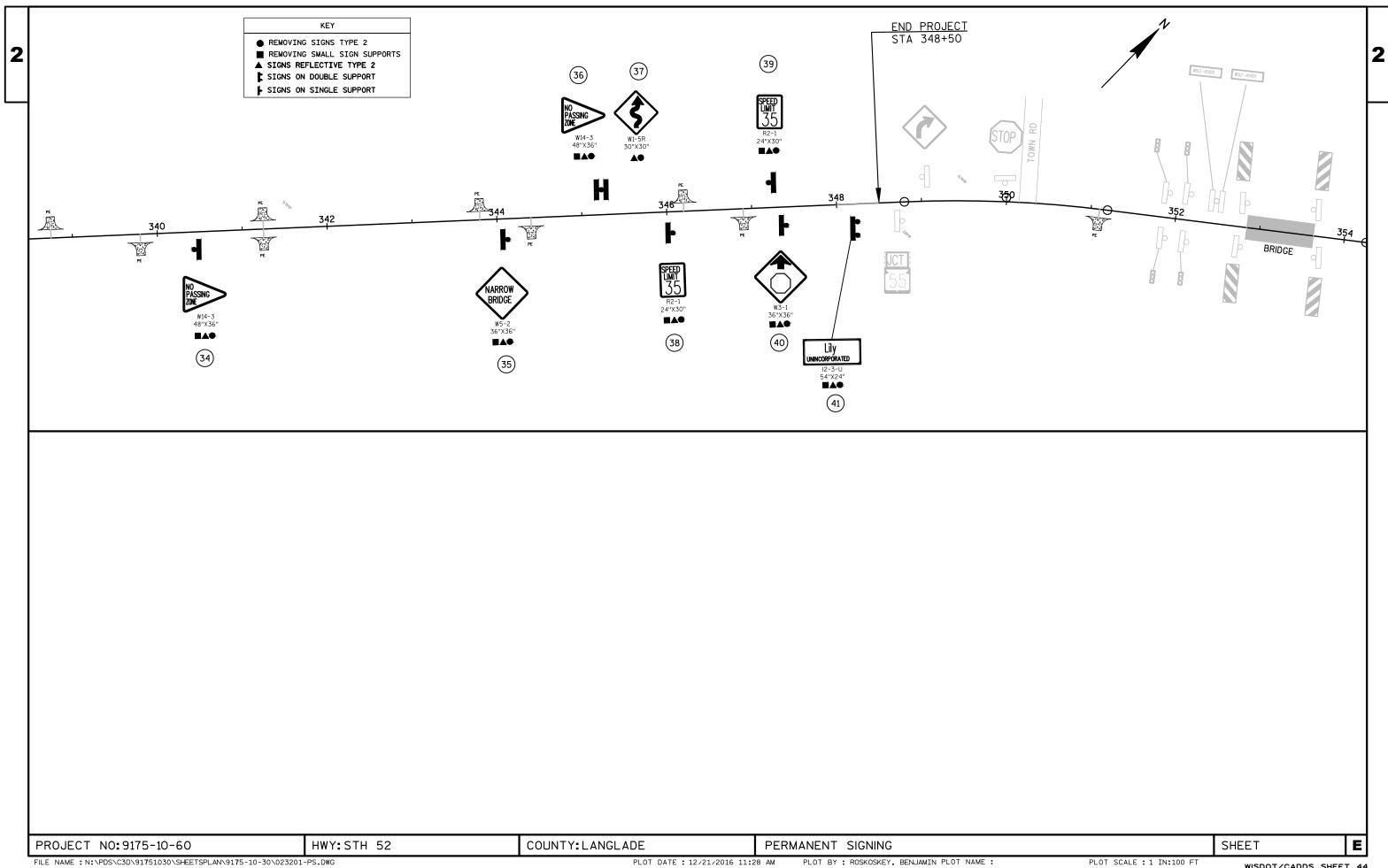












					9175-10-60
Line	Item	Item Description	Unit	Total	Qty
0010	201.0105	Clearing	STA	9.000	9.000
0020	201.0105	Grubbing	STA	9.000	9.000
0030	203.0100	Removing Small Pipe Culverts	EACH	3.000	3.000
0040	204.0115	Removing Asphaltic Surface Butt Joints	SY	50.000	50.000
0050	204.0120	Removing Asphaltic Surface Milling	SY	49,708.000	49,708.000
0060	204.0165	Removing Guardrail	LF	1,600.000	1,600.000
0070	205.0100	Excavation Common **P**	CY	143.000	143.000
0080	208.0100	Borrow **P**	CY	1,325.000	1,325.000
0090	209.2100	Backfill Granular Grade 2	CY	65.000	65.000
0100	213.0100	Finishing Roadway (project) 01. 9175-10-60	EACH	1.000	1.000
0110	305.0110	Base Aggregate Dense 3/4-Inch	TON	1,141.000	1,141.000
0110	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	387.000	387.000
0130	305.0500	Shaping Shoulders	STA	372.000	372.000
0140	440.4410	Incentive IRI Ride	DOL	14,000.000	14,000.000
0150	450.4000	HMA Cold Weather Paving	TON	5,220.000	5,220.000
0160	455.0605	Tack Coat	GAL	3,480.000	3,480.000
0170	460.2000	Incentive Density HMA Pavement	DOL	3,340.000	3,340.000
0170	460.5224	HMA Pavement 4 LT 58-28 S	TON	5,220.000	5,220.000
0190	465.0105	Asphaltic Surface	TON	87.000	87.000
0200	520.9700.S	Culvert Pipe Liners (size) 01. 24-inch	LF	48.000	48.000
0200	520.9750.S	Cleaning Culvert Pipes for Liner Verification	EACH	1.000	1.000
0210	521.0124	Culvert Pipe Corrugated Steel 24-Inch	LF	7.000	7.000
0220	521.1024	Apron Endwalls for Culvert Pipe Steel 24-Inch	EACH	4.000	4.000
0230	522.0324	Culvert Pipe Reinforced Concrete Class IV 24-Inch	LF	76.000	76.000
0240	522.0324	Culvert Pipe Reinforced Concrete Class IV 24-Inch	LF	50.000	50.000
0260	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete	EACH	4.000	4.000
0200	JZZ. 1UZ4	24-Inch	LACH	4.000	4.000
0270	522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete	EACH	2.000	2.000
		30-Inch		,	
0280	614.2310	MGS Guardrail 3 HS	LF	1,500.000	1,500.000
0290	614.2610	MGS Guardrail Terminal EAT	EACH	8.000	8.000
0300	618.0100	Maintenance And Repair of Haul Roads (project) 01.	EACH	1.000	1.000
		9175-10-60			
0310	619.1000	Mobilization	EACH	1.000	1.000
0320	624.0100	Water	MGAL	40.000	40.000
0330	625.0100	Topsoil	SY	5,852.000	5,852.000
0340	628.1504	Silt Fence	LF	4,227.000	4,227.000
0350	628.1520	Silt Fence Maintenance	LF	4,227.000	4,227.000
0360	628.2002	Erosion Mat Class I Type A	SY	1,177.000	1,177.000
0370	628.2023	Erosion Mat Class II Type B	SY	4,675.000	4,675.000

0640 SPV.0060 Special 01. Lane Shift

Estimate Of Quantities

					9175-10-60
Line	Item	Item Description	Unit	Total	Qty
0380	628.7555	Culvert Pipe Checks	EACH	5.000	5.000
0390	628.7570	Rock Bags	EACH	324.000	324.000
0400	629.0210	Fertilizer Type B	CWT	3.690	3.690
0410	630.0120	Seeding Mixture No. 20	LB	158.000	158.000
0420	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	34.000	34.000
0430	637.2210	Signs Type II Reflective H	SF	69.360	69.360
0440	637.2230	Signs Type II Reflective F	SF	151.250	151.250
0450	638.2102	Moving Signs Type II	EACH	2.000	2.000
0460	638.2602	Removing Signs Type II	EACH	37.000	37.000
0470	638.3000	Removing Small Sign Supports	EACH	29.000	29.000
0480	642.5201	Field Office Type C	EACH	1.000	1.000
0490	643.0100	Traffic Control (project) 01. 9175-10-60	EACH	1.000	1.000
0500	643.0300	Traffic Control Drums	DAY	172.000	172.000
0510	643.0310.S	Temporary Portable Rumble Strips	LS	1.000	1.000
0520	643.0900	Traffic Control Signs	DAY	658.000	658.000
0530	646.0106	Pavement Marking Epoxy 4-Inch	LF	37,168.000	37,168.000
0540	646.0406	Pavement Marking Same Day Epoxy 4-Inch	LF	34,718.000	34,718.000
0550	648.0100	Locating No-Passing Zones	MI	3.520	3.520
0560	649.0402	Temporary Pavement Marking Paint 4-Inch	LF	37,168.000	37,168.000
0570	650.6000	Construction Staking Pipe Culverts	EACH	3.000	3.000
0580	650.8000	Construction Staking Resurfacing Reference	LF	18,584.000	18,584.000
0590	650.9910	Construction Staking Supplemental Control (project) 01. 9175-10-60		1.000	1.000
0600	650.9920	Construction Staking Slope Stakes	LF	2,545.000	2,545.000
0610	690.0150	Sawing Asphalt	LF	132.000	132.000
0620	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	300.000	300.000
0630	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	600.000	600.000

4.000

EACH 4.000

<u>CLEA</u>	RING & GRUBBING	REMOVING SMALL PIPE CULVERTS 203.0100 STATION LOCATION EACH 213+90 CL 1 226+44 CL 1
3 STATION 164+00 - 166+00 171+00 - 173+00	201.0105 201.0205 CLEARING GRUBBING STATIONS STATIONS RT 2 2 RT 2 2 RT 2 2	289+28 CL 1 TOTAL 3
	TOTALS 9 9	REMOVING ASPHALTIC SURFACE MILLING 204.0120 STATION - STATION SY 162+00 - 347+84 49708 TOTAL 49708
STATION - STATIO 162+00 - 162+08 347+76 - 347+84	IALTIC SURFACE BUTT JOINT 204.0115 SY 25 25 25 TOTAL 50	REMOVING GUARDRAIL 204.0165 STATION - STATION LOCATION LF LF LF LF LF LF LF L
PROJECT NO: 9175-10-60 HWY	COUNTY:LANGLADE	MISCELLANEOUS QUANTITIES SHEET E

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Division	From/To Station	Location	205.0100 Common Excavation **P**	Available Material	Unexpanded Fill		Mass Ordinate +/-	Waste	208.0100 Borrow **P**	Comment:
	162+00 - 348+50	LT & RT	8	8	0	0	8	0	1068	Beamguard Grading
	213+60 - 214+15	LT & RT	45	45	0	0	45	0	101	C-32
	226+18 - 226+68	LT & RT	45	45	0	0	45	0	73	C-33
	289+04 - 289+54	LT & RT	45	45	0	0	45	0	83	C-35
Project Total			143	143	0	0	143	0	1325	

BASE AGGREGATE DENSE

STATION - STATION	LOCATION	305.0110 3/4-INCH TON	305.0120 1 1/4-INCH TON	624.0100 Water MGAL	REMARKS
162+00 - 347+84 213+65 - 214+15 226+18 - 226+68 289+04 - 289+54 162+00 - 347+84	LT & RT LT & RT LT & RT LT & RT LT & RT	989 12 12 11 117	0 132 127 128	28.3 4.1 4.0 4.0	SHOLDER GRAVEL C-32 REMOVAL AND TEMP WIDENING C-33 REMOVAL AND TEMP WIDENING C-35 REMOVAL AND TEMP WIDENING DRIVEWAYS, UNDISTRIBUTED
	TOTALS	1141	387	40	

BACKFILL GRANULAR Grade 2

LOCATION	209.2100 CY	REMARKS
UNDISTRIBUTED	65	
TOTAL	65	

SHAPING SHOULDERS

STATION - STATION	LOCATION	305.0500 STATION	REMARKS
162+00 - 347.84	LT & RT	372	
	TOTAL	372	

PROJECT NO: 9175-10-60

HWY:STH 52

COUNTY: LANGLADE

MISCELLANEOUS QUANTITIES

SHEET

FILE NAME : N:\PDS\C3D\91751030\SHEETSPLAN\9175-10-30\030201-MQ.DWG LAYOUT NAME - 030202-MQ

PLOT DATE: 3/31/2017 8:35 AM

PLOT BY: WALLNER, AARON J PLOT NAME:

PLOT SCALE : ########

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TACK COAT

455.0605 STATION - STATION GALLONS REMARKS

162+00 - 347+84 3480

TOTAL

3480

ASPHALTIC SURFACE

465.0105

LOCATION REMARKS STATION TON 214+00 29 C-32 CULVERT REPLACEMENT LT & RT 226+50 29 LT & RT C-33 CULVERT REPLACEMENT 289+50 LT & RT 29 C-35 CULVERT REPLACEMENT

TOTAL

HMA PAVEMENT

460.5224 450.4000 4 LT HMA COLD 58-28 S WEATHER PAVING

STATION - STATION TON TON REMARKS

162+00 - 347+84 5220 5220

> 5220 5220 **TOTALS**

CROSS DRAIN CULVERT PIPES

		522.0324	522.0330 C	521.0124 ULVERT PIPE	520.9700.S	520.9750.S CLEANING	522.1024 APRON	522.1030 ENDWALLS FOR CU	521.1024 ILVERT PIPE		
		REINFO	ORCED	CORRUGATED	LINERS	CULVERT	REINFORCE	D CONCRETE	CORRUGATED		
		CONCRETE	E CLASS IV	STEEL		PIPES FOR			STEEL	**	
						LINER				JOINT	
		24-INCH	30-INCH	24-INCH	24-INCH	VERIFICATION	24-INCH	30-INCH	24-INCH	TIES	
STATION	LOCATION	LF	LF	LF	LF	EACH	EACH	EACH	EACH	EACH	REMARKS
165+22	CL				48	1			2		C-30
197+09	LT			4					1		C-31
197+16	RT			3					1		C-31
213+90	CL		50					2		16	C-32
226+44	CL	36					2			12	C-33
289+28	CL	40					2			12	C-35
	TOTALS =	76	50	7	48	1	4	2	4	40	

** FOR INFORMATIONAL PURPOSES ONLY. NOT A BID ITEM. TIE ALL CULVERT JOINTS

PROJECT NO: 9175-10-60 HWY:STH 52 COUNTY: LANGLADE SHEET Ε MISCELLANEOUS QUANTITIES

TOPSOIL,	FERTILIZER	R, AND SEEDING

		625.0100 TOPSOIL	629.0210 FERTILIZER TYPE B	630.0120 SEEDING MIXTURE NO. 20
STATION - STATION	LOCATION	SY	CWT	LB
163+20 - 177+20	LT	1700	1.07	46
163+20 - 177+20	RT	2150	1.35	58
191+00 - 200+00	LT	650	0.41	18
191+00 - 200+00	RT	360	0.23	10
213+70 - 214+25	LT	150	0.09	4
213+70 - 214+25	RT	50	0.03	1
226+20 - 226+70	LT	90	0.06	2
226+20 - 226+70	RT	50	0.03	1
289+00 - 289+60	LT	70	0.04	2
289+00 - 289+70	RT	50	0.03	1
UNDISTRIBUTED		532	0.34	14
	TOTALS	5852	3.69	158

BEAM GUARD

STATION - STATION	LOCATION	614.2310 MGS GUARDRAIL 3 HS LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH
163+33 - 166+50 170+27 - 174+92 170+72 - 175+95 192+55 - 198+83	RT RT LT LT	212.5 350.0 425.0 512.5	2 2 2 2
	TOTALS	1500	8

			EROSION	CONTROL ITEM	S		
		628.1504	628.1520	628.2002	<u>-</u> 628.2023	628.7555	628.7570
		SILT FENCE	SILT FENCE	EROSION	EROSION	CULVERT	ROCK BAGS
			MAINTENANCE	MAT CLASS I	MAT CLASS II	PIPE	
				TYPE A	TYPE B	CHECKS	
STATION	LOCATION	LF	LF	SY	SY	EACH	EACH
163+20 - 177+20	LT	773	773	50	1650	1	60
163+20 - 177+20	RT	1360	1360	350	1800		90
191+00 - 200+00	LT	715	715		650		60
191+00 - 200+00	RT	400	400	360		1	15
213+70 - 214+25	LT	90	90		150		
213+70 - 214+25	RT	115	115	50		1	15
226+20 - 226+70	LT	90	90	90			15
226+20 - 226+70	RT	120	120	50		1	
289+00 - 289+60	LT	90	90	70			15
289+00 - 289+70	RT	90	90	50		1	
UNDISTRIBUTED		384	384	107	425		54
	TOTALS	4227	4227	1177	4675	5	324

PROJECT NO:9175-10-60 HWY:STH 52 COUNTY:LANGLADE MISCELLANEOUS QUANTITIES SHEET **E**

SIGN LISTING

		SIGN	SIGN			634.0616 POSTS WOOD 4" X 6" 16-FT	637.2210 SIGNS TYPE II REFLECTIVE H	637.2230 SIGNS TYPE II I REFLECTIVE F	638.3000 REMOVING SMALL SIGN SUPPORTS	638.2602 REMOVING SIGNS TYPE II	638.2102 MOVING SIGNS TYPE II	
STATION	LOCATION		CODE	MESSAGE	SIZE	EACH	SF	SF	EACH	EACH	EACH	REMARKS
166+70	RT	1	W1-5R	ROAD SHARP CURVES	30" X 30"	1		6.25	1	1		
166+70	RT	2	W13-1	45 MPH	18" X 18"			2.25		1		MOUNT ON SIGN NO. 1 POST
169+50	RT	3	W11-15 <i>A</i>	TRAIL CROSSING	30" X 30"	1		6.25				
170+50	LT	4	W1-4R	ROAD CURVES AHEAD	30" X 30"	1		6.25	1	1		
170+50	LT	5	W13-1	35 MPH	18" X 18"			2.25		1		MOUNT ON SIGN NO. 4 POST
175+50	LT	5A										TO BE REMOVED BY OTHERS PRIOR TO CONSTRUCTION
176+00	LT	6									2	ICE AGE TRAIL SIGNS ON DOUBLE POST
184+00	LT	7	W11-15 <i>A</i>	TRAIL CROSSING	30" X 30"	1		6.25				
205+20	RT	8	W54-57	TRUCK ENTRANCE	30" X 30"	1		6.25	1	1		
220+60	LT	9	W54-57	TRUCK ENTRANCE	30" X 30"	1		6.25	1	1		
221+60	LT		W1-5L	ROAD SHARP CURVES L	30" X 30"	1		6.25	1	1		
221+60	LT		W13-1	40 MPH	18" X 18"			2.25		1		MOUNT ON SIGN NO. 10 POST
225+80	RT		W1-5R	ROAD SHARP CURVES	30" X 30"	1		6.25	1	1		
225+80	RT		W13-1	50 MPH	18" X 18"			2.25		1		MOUNT ON SIGN NO. 12 POST
241+30	LT		W14-3	NO PASSING ZONE	48" X 36"	1		6.00		1		
242+70	LT		W1-2R	ROAD CURVES RIGHT	30" X 30"	1		6.25	1	1		
242+70	LT			50 MPH	18" X 18"			2.25		1		MOUNT ON SIGN NO. 15 POST
245+70	RT		W14-3	NO PASSING ZONE	48" X 36"	1		6.00	1	1		
256+20	LT		R1-1	STOP	30" X 30"	1	5.18		1	1		ON SIDE ROAD
259+10	RT		W1-5L	ROAD SHARP CURVES L	30" X 30"	1		6.25	1	1		MOUNT ON GIONNIC 40 DOOT
259+10	RT		W13-1	45 MPH	18" X 18"			2.25		1		MOUNT ON SIGN NO. 19 POST
286+00	RT			SCHOOL BUS STOP AHEAD	36" X 36"	1		9.00	1	1		
300+00	RT		W3-5	SPEED REDUCTION AHEAD 35 MPH		1		9.00		1		
302+40	LT			SCHOOL BUS STOP AHEAD SPEED LIMIT 35	36" X 36"	1	 F 00	9.00	1	1		
308+80	RT				24" X 30" 24" X 30"	1	5.00		I	I		
308+80 316+60	LT RT		R2-1	SPEED LIMIT 55 SPEED LIMIT 35	24 X 30"	<u> </u>	5.00 5.00		<u> </u>	1		
316+60	LT		R2-1	SPEED LIMIT 35	24" X 30"	<u> </u>	5.00		<u> </u>	1		
318+80	RT		R10-64	NO ENGINE BRAKING			<u> </u>			I		TO BE REMOVED BY OTHERS PRIOR TO CONSTRUCTION
327+20	RT		R2-1	SPEED LIMIT 35	24" X 30"	1	5.00		1	1		TO BE REMOVED BY OTHERS PRIOR TO CONSTRUCTION
327+20	LT		R2-1	SPEED LIMIT 35	24" x 30"	1	5.00		1	1		
336+00	RT			SPEED LIMIT 35	24" X 30"	<u>'</u> 1	5.00		1	1		
336+00	LT		R2-1	SPEED LIMIT 35	24" X 30"	1	5.00		1	1		
337+20	RT		R1-1	STOP	30" X 30"	1	5.18		1	1		ON SIDE ROAD
340+40	RT			NO PASSING ZONE	48" X 36"	1		6.00	<u>·</u>	1		
344+00	RT			NARROW BRIDGE	36" X 36"	1		9.00	<u>·</u> 1	1		
345+20	LT		W14-3	NO PASSING ZONE	48" X 36"	1		6.00	<u>.</u> 1	1		
345+20	LT		W1-5R	ROAD SHARP CURVES R	30" X 30"	1		6.25	<u></u>	1		MOUNT ON SIGN NO. 36 POST
346+00	RT		R2-1	SPEED LIMIT 35	24" X 30"	1	5.00		1	1		
347+30	LT			SPEED LIMIT 35	24" X 30"	1	5.00	-	1	1		
347+50	RT	40	W3-1	STOP AHEAD	36" X 36"	1		9.00	1	1		
348+10	RT	41	I2-3-U	LILY UNINCORPORATED	54" X 24"	2	9.00		2	1		
												=
					TOTALS	34	69.36	151.25	29.00	37.00	2.00	

PROJECT NO:9175-10-60

HWY:STH 52

COUNTY: LANGLADE

MISCELLANEOUS QUANTITIES

Ε

SHEET

TRAFFIC CONTROL ITEMS

	643.0100 TRAFFIC CONTROL PROJECT	643.0300 TRAFFIC CONTROL DRUMS	643.0900 TRAFFIC CONTROL SIGNS	643.0310.S TEMPORARY PORTABLE RUMBLE STRIPS	SPV.0060 LANE SHIFT
LOCATION	EACH	NO. DAYS	NO. DAYS	LS	EACH
PROJECT 211+90 - 216+00 224+25 - 228+50 287+00 - 290+50	1	30 2 29 2 27 2	10 61 8 2 8 2 8 2	1	2 1 1
TOTALS	1	172	658	1	4

PAVEMENT MARKING

		646.0106 EPOXY 4-INCH EDGELINE	SAMI	.0406 E DAY ' 4-INCH NO PASSING	649.0402 TEMPORARY PAVEMENT MARKING PAINT 4-INCH	648.0100** LOCATING NO-PASSING	
	CENTERLINE	WHITE	YELLOW	YELLOW	YELLOW	ZONES	
STATION - STATION	LT/RT	LF	LF	LF	LF	MI	REMARKS
162+00 - 235+40	DOUBLE YELLOW	14,680		14,680	14,680		
235+40 - 242+80	SOLID / SKIP	1,480	928	,	1,480		
242+80 - 244+90	DOUBLE YELLOW	420		420	420		
244+90 - 252+80	SKIP / SOLID	1,580	990		1,580		
252+80 - 335+20	DOUBLE YELLOW	16,480		16,480	16,480		
335+20 - 341+00	SOLID / SKIP	1,160	730		1,160		
341+00 - 344+70	SKIP	740	100		740		
344+70 - 347+84	SKIP / SOLID	628	390		628		
162+00 - 347+84						3.52	
	SUB TOTALS	37,168	3,138	31,580	37,168	3.52	
	PROJECT TOTAL	37,168	34,	718	37,168	3.52	

^{**} Use a spotting sight distance of 0.21 miles.

PROJECT NO:9175-10-60 HWY:STH 52 COUNTY:LANGLADE MISCELLANEOUS QUANTITIES SHEET **E**

CONSTRUCTION STAKING

	650.6000 PIPE CULVERTS	650.8000 RESURFACING REFERENCE	650.9910 SUPPLEMENTAL CONTROL (PROJECT) 9175-10-60	650.9920 SLOPE STAKES	
STATION - STATION	EACH	LF	LS	LF	REMARKS
162+00 - 347+84 213+90 226+44 289+28 162+00 - 177+29 191+36 - 200+02 213+65 - 214+15 226+18 - 226+68 289+04 - 289+54	1 1 1	18584	1	1529 866 50 50 50	STH 52 MAINLINE C-32 C-33 C-35 BG & C-30 BG & C-31 C-32 C-33
TOTALS	3	18584	1	2545	

SAWING ASPHALT

		690.0150	
STATION	LOCATION	LF	REMARKS
213+65	C-32	22	
214+15	C-32	22	
226+19	C-33	22	
226+69	C-33	22	
289+03	C-35	22	
289+53	C-35	22	
	TOTAL	132	

PROJECT NO:9175-10-60 HWY:STH 52 COUNTY:LANGLADE MISCELLANEOUS QUANTITIES SHEET **E**



STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

TRANSPORTATION PROJECT PLAT TITLE SHEET

PROJECT NO. 9175-10-21

ANTIGO - LILY KENT RD - STH 55

STH 52 LANGLADE COUNTY

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATE SYSTEM COORDINATES, LANGLADE COUNTY, NAD83(1991) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT. TYPE 2 MONUMENTS ARE TYPICALLY 1" I.D. \times 24" IRON PIPES WEIGHING 1.68 LBS/FT. UNLESS OTHERWISE NOTED.

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.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. EXCLUDING RIGHT-OF-WAY BOUNDARIES, THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

NOT WITHSTANDING ITS DEPICTION ON A PLAT, THE BOUNDARY OF A PARCEL EXTENDS TO THE BOUNDARY OF THE ADJOINING PROPERTY PARCEL OR BODY OF WATER.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE. ALL TLES EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE THE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHT TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

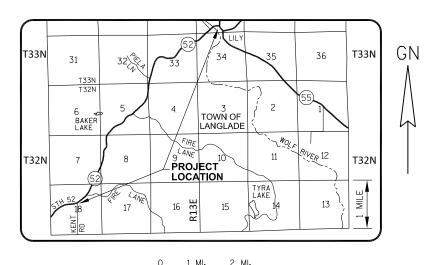
A HIGHWAY EASEMENT (HE) IS AN EASEMENT FOR HIGHWAY PURPOSES, AS LONG AS SO USED, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO NEW REFERENCE LINES.

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE WISCONSIN DEPARTMENT OF TRANSPORTATION REGION OFFICE IN RHINELANDER.

SEE DETAIL SHEETS FOR BASIS OF EXISTING HIGHWAY R/W.

COORDINATES SHOWN ON PLSS CORNERS ARE FIELD-MEASURED VALUES ON PHYSICAL MONUMENTS. NOT RECORD COUNTY VALUES.



SCALE

CONVENTIONAL SYMBOLS AND ABBREVIATIONS

LANGLADE COUNTY, WI

2016 JAN 13 AM 11:45
REGISTER OF DEEDS

Landia Ziehen

SECTION LINE QUARTER LINE SIXTEENTH LINE NEW REFERENCE LINE NEW R/W LINE EXISTING R/W LINE PROPERTY LINE LOT AND TIE LINES UNDERGROUND FACILITY —— G(TYPE) TEMP, LIMITED EASEMENT PERM. LIMITED EASEMENT R/W MONUMENT (SET) IRON PIPE OR BAR (FOUND) MAG NAIL FOUND SIGN POWER POLE TELEPHONE POLE UTILITY PEDESTAL LIGHT POLE POLF MANHOLE INLET HYDRANT VALVE R/W GLIARD POST P. POLE (COMPENSABLE) PEDESTAL (COMPENSABLE) RECORDED AS (SLANTED) SAME OWNERSHIP NO ACCESS (ACQUISITION) LLLLLLLL ACCESS RESTRICTED (BY ****** PREVIOUS PROJECT/CONTROL) POINT NUMBER, MAJOR POINT NUMBER, MINOR POINT NUMBER, EXISTING IRON PIPES / MONUMENTS SECTION CORNER:

EXISTING ONUMENTS

AC ACRES ACC ACCESS CONTROL AP ACCESS POINT BAR ROUND IRON REBAR BLDG BUILDING CURVE CAN CANOPY CMK CHISELED MARK CSM CERTIFIED SURVEY MAP DOC DOCUMENT ELECTRIC CABLE EX EXISTING FO FIBER OPTIC CABLE FRAC FRACTIONAL G GAS MAIN GAR GARAGE Н HOUSE HIGHWAY EASEMENT INLET INL IP IRON PIPE JACKET/IMAGE NT NON-TANGENT MC MEANDER CORNER MANHOLE MH M/L MEANDER LINE OVERHEAD UTILITY LINE OUTL OT OΙ PID TAX PARCEL IDENTIFICATION NUMBER PERM PERMANENT POINT OF INTERSECTION PΙ PROPERTY LINE PΙ PLE PERMANENT LIMITED EASEMENT PLSS PUBLIC LAND SURVEY SYSTEM POS PLAT OF SURVEY POT POINT ON TANGENT POWER POLE ΩI QUARTER LINE RADIUS RECORDED AS REFERENCE LINE ROR RELEASE OF RIGHTS R/W RIGHT-OF-WAY RWGP R/W GUARD POST SAN SANITARY SEWER SEC SECTION SLOPE INTERCEPT SECTION LINE SS STORM SEWER TELEPHONE CABLE TEMP TEMPORARY TLE TEMPORARY LIMITED EASEMENT TV CABLE TELEVISION VARIES VAR V/P VOLUME/PAGE EAST

> FOR REGISTER OF DEE JMBER 9175-10-21-4.01

434553

NORTH

REVISED: 02/16/2

10400 F2 DWC

TRANSPORTATION PROJECT PLAT NO: 9175-10-21 - 4.01

PART OF THE NW1/4-NW1/4 OF SECTION 8, T32N, R13E, IN THE TOWN OF LANGLADE, LANGLADE COUNTY, WISCONSIN

RELOCATION ORDER - STH 52, ANTIGO - LILY, KENT RD - STH 55, LANGLADE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RÉCONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE-NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1) THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE-NAMED

2) THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

LANGLADE COUNTY, WI RECEIVED FOR RECORD 2016 JAN 13 AM 11:45 REGISTER OF DEEDS Sandia Zischen

RESERVED FOR REGISTER OF DEEDS PROJECT NUMBER 9175-10-21- 4.01 SHEET 1 OF 2

(203)



I, DAVID L. ROBERTS, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY
THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF
THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN
DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED
TRANSPORTATION PROJECT PLAT 9175-10-21-4.01, AND THAT SUCH PLAT
CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED
LAND.

01/07/2016 DAVID L. ROBERTS DUT A. DAVID L. ROBERTS PLS S-1725, FOR GREMMER & ASSOCIATES, INC THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION. NORTH CENTRAL REGION: RHINELANDER.

DATE 1-7-2016 Brent & Stella

BRENT STELLA REAL ESTATE SUPERVISOR

T33N 36 SHEET -VER 12 T32N T32N ROJECT LOCATION 13 15

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATE SYSTEM COORDINATES, LANGLADE COUNTY, NAD83(1991) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT. TYPE 2 MONUMENTS ARE TYPICALLY 1" $I.D. \times 24$ " IRON PIPES WEIGHING 1.68 LBS/FT. UNLESS OTHERWISE NOTED.

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.

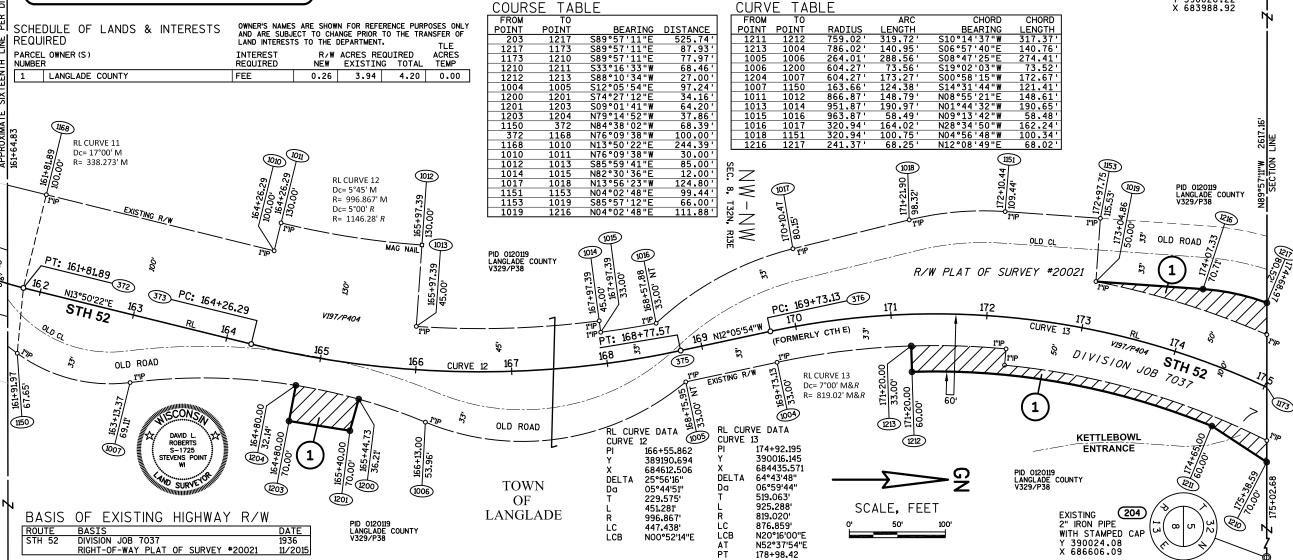
REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF THIS DOCUMENT FOR ADDITIONAL INFORMATION.

CURVE TABLE

178+98.42

N00°08'36"E 5251.98' SECTION LINE

EXISTING 2" IRON PIPE WITH STAMPED CAP Y 390026.22 X 683988.92



APPRAISAL PLAT DATE: 01/07/2016

RIGHT-OF-WAY PLAT OF SURVEY #20021

EXISTING 2" IRON PIPE WITH STAMPED CAP Y 392667.89 X 683945.47

NOTES

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATE SYSTEM COORDINATES, LANGLADE COUNTY, NADB3(1991) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT. TYPE 2 MONUMENTS ARE TYPICALLY I" I.D. x 24" IRON PIPES WEIGHING 168 LBS/FT. UNLESS OTHERWISE NOTED.

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.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO. 9175-10-21 - 4.01, AS DOCUMENT #434553 FOR ADDITIONAL INFORMATION.

TRANSPORTATION PROJECT PLAT NO: 9175-10-21 - 4.02

PART OF THE SW1/4-SW1/4 OF SECTION 5, T32N, R13E, IN THE TOWN OF LANGLADE, LANGLADE COUNTY, WISCONSIN

RELOCATION ORDER - STH 52, ANTIGO - LILY, KENT ROAD - STH 55, LANGLADE COUNTY TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED

ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1) THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE-NAMED

2) THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

BASIS OF EXISTING HIGHWAY R/W

RIGHT-OF-WAY PLAT OF SURVEY #20021

BASIS DIVISION JOB 703

LANGLADE COUNTY, WI RECEIVED FOR RECORD 2016 FEB 15 AM 8:41 REGISTER OF DEEDS Sandra Zischer

RECORDING FEE _Co. 25.00

RESERVED FOR REGISTER OF DEEDS PROJECT NUMBER 9175-10-21- 4.02

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL OWNER (S) NUMBER

1 LANGLADE COUNTY

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

R/W ACRES REQUIRED ACRES NEW EXISTING TOTAL TEMP **INTEREST** REQUIRED FEE

1387.69 1399.69 670.28 819.02 739.02 769.02

268.39 30.78 269.22 105.06 180.47 139.36

CURVE TABLE

FROM

RL CURVE DATA CURVE 13

64°43'48"

819.020

876.859'

N20°16'00"E N12°05'54"W

175+02,68

169+73.13

06°59'44" 519.063 925,2881

DELTA

Da

LC LCB BT PC

SW-SWSEC. 5, T32N, R13E

CHORD

_ENGTH

BEARING

RL CURVE 14 Dc= 4°00' M&R R= 1432.69' M&R

SECTION LINE

PID 0120076 LANGLADE COUNTY V273/P49

180x57.88 339

T33N SHEET -LOCATION BAKEF - WOLF Γ32N T32N PROJECT



I, DAVID L. ROBERTS, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 9175-10-21-4.02, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED

DATE 02/03/2016 DAVID L. ROBERTS DUIL . ASSOCIATES, INC

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION. MORTH CENTRAL REGIONS RHINFLANDER.

DATE 2-4-2016 Stella BRENT STELLA
REAL ESTATE SUPERVISOR

EXISTING 2" IRON PIPE WITH STAMPED CAP Y 390026.22 X 683988.92 DAVID L. ROBERTS S-1725 EVENS PO COORDINATE TABLE Y (NORTH) 390331.184 684848.097 390145.802 390308.609 390366.947 684611 684752 684820 390646.174 390638.215 390661.473 390201.458 390201.458 390794.898 390676.361 390025.656 390025.792 390044.348 684514.659 684667.815 390034.880 684685.432

W PLAT OF SURVEY *20021 TRE JOSE SURVEY PID 0120076 LANGLADE COUNTY V273/P49 174+92.195 390016.145 684435,571

RL CURVE 13 $Dc = 7^{\circ}00' M&R$ R= 819.02' M&*R* \$OPC SCALE, FEET PID 0120076 LANGLADE COUNTY V273/P49 S89°57'11"E 2617.16'

1

03°59'57" Dα 154.898 308,5971 1432.690 308.001 **TOWN** N46°27'40"E LCB OF **LANGLADE** COURSE TABLE

Fkc. POINT 20 1174 1170 1046 1047 1049 1220 1221 1210

[1]

8 2" IRON PIPE WITH STAMPED CAP Y 390024.08 X 686606.09 13 204

RL CURVE DATA CURVE 14

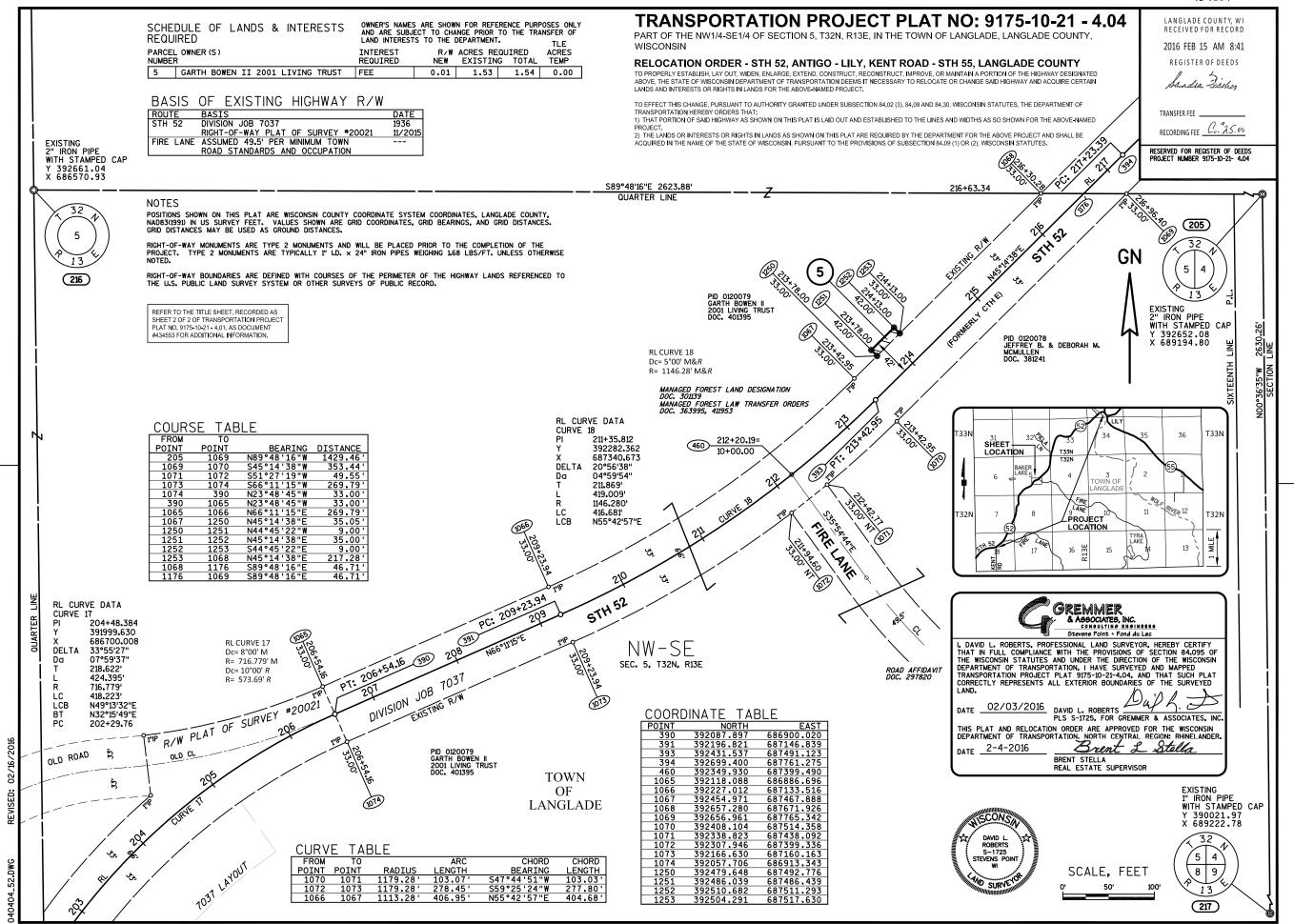
DELTA

182+12.780 390521.981

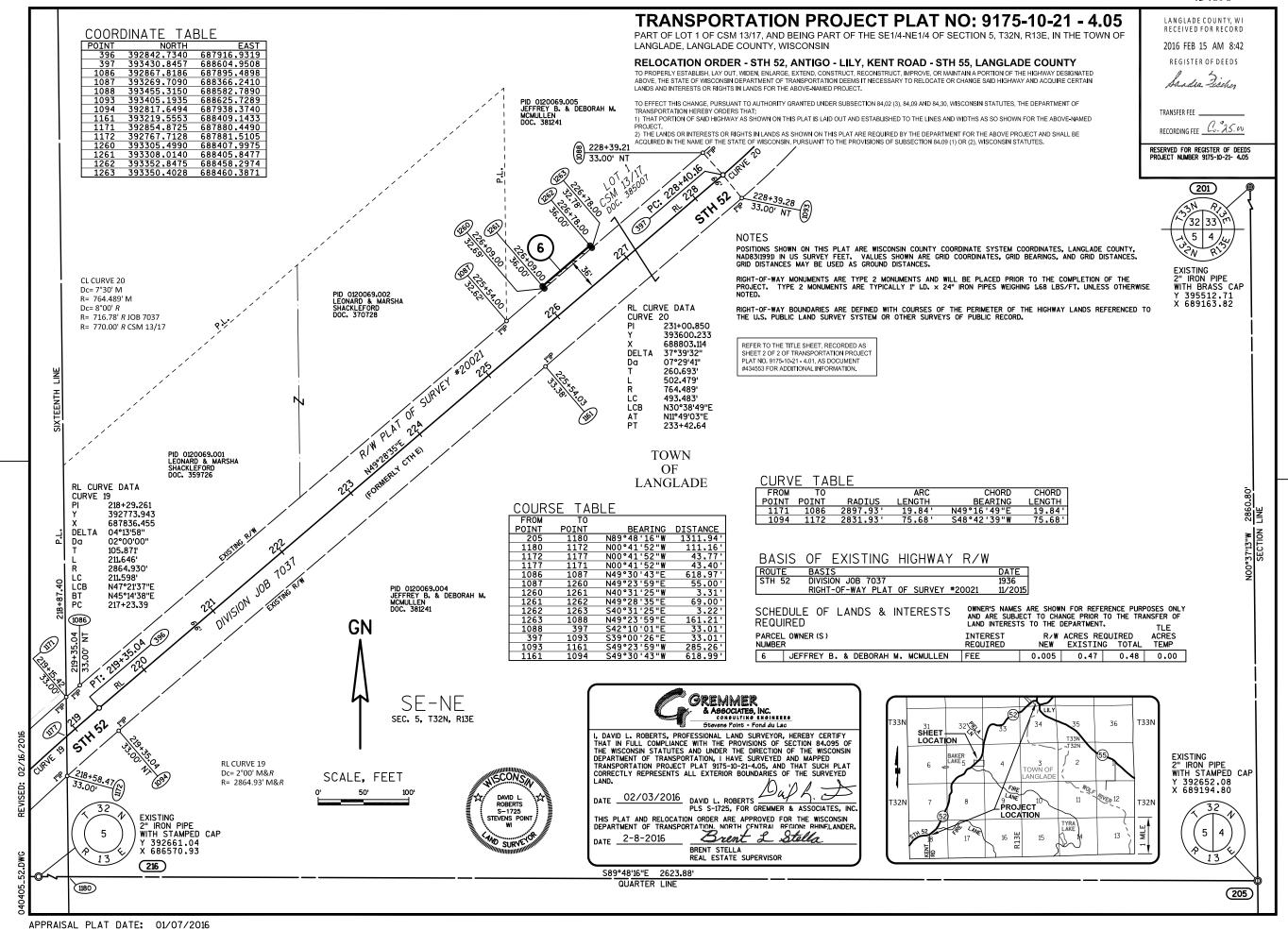
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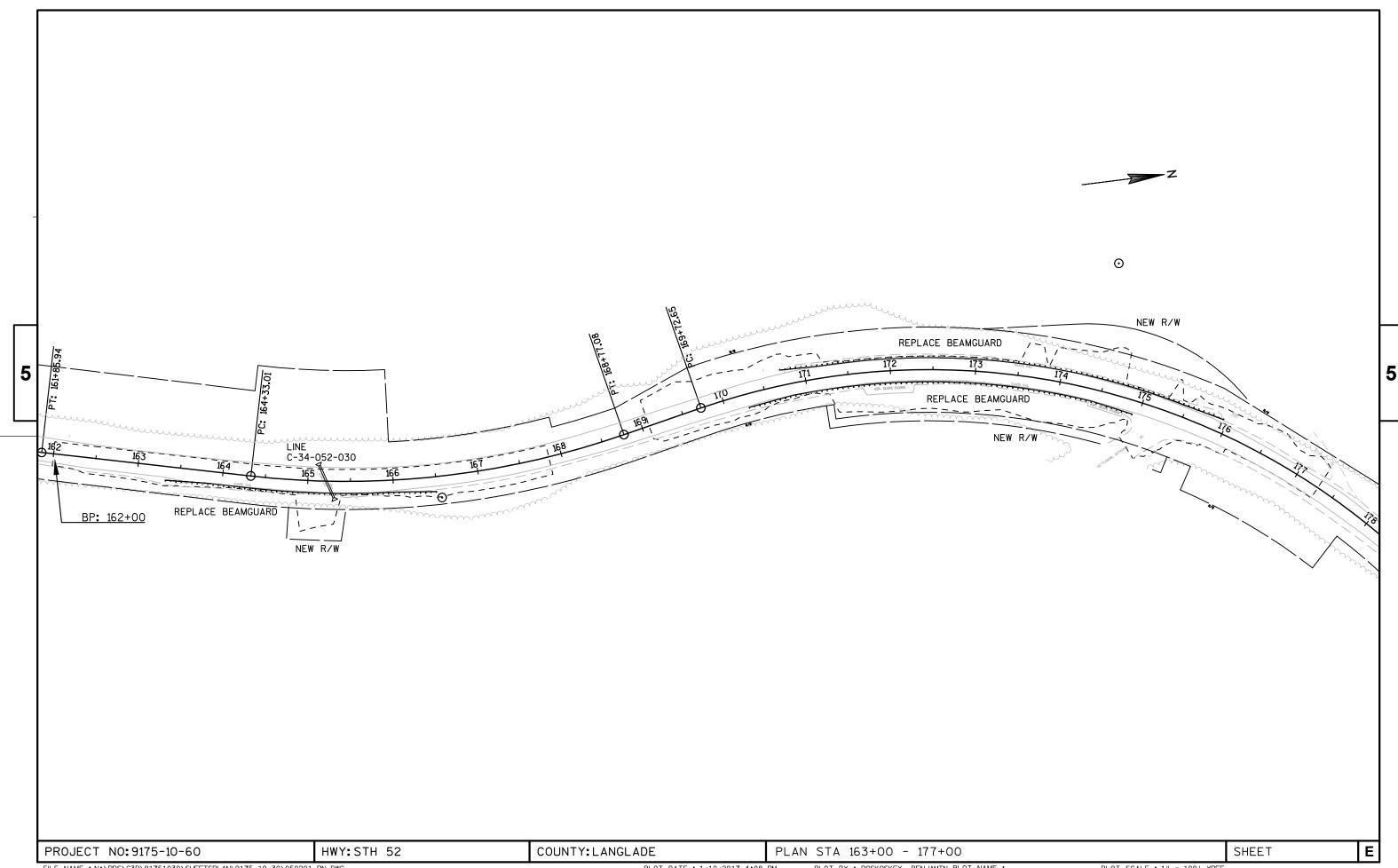
12°20'29'

4



APPRAISAL PLAT DATE: 01/07/2016



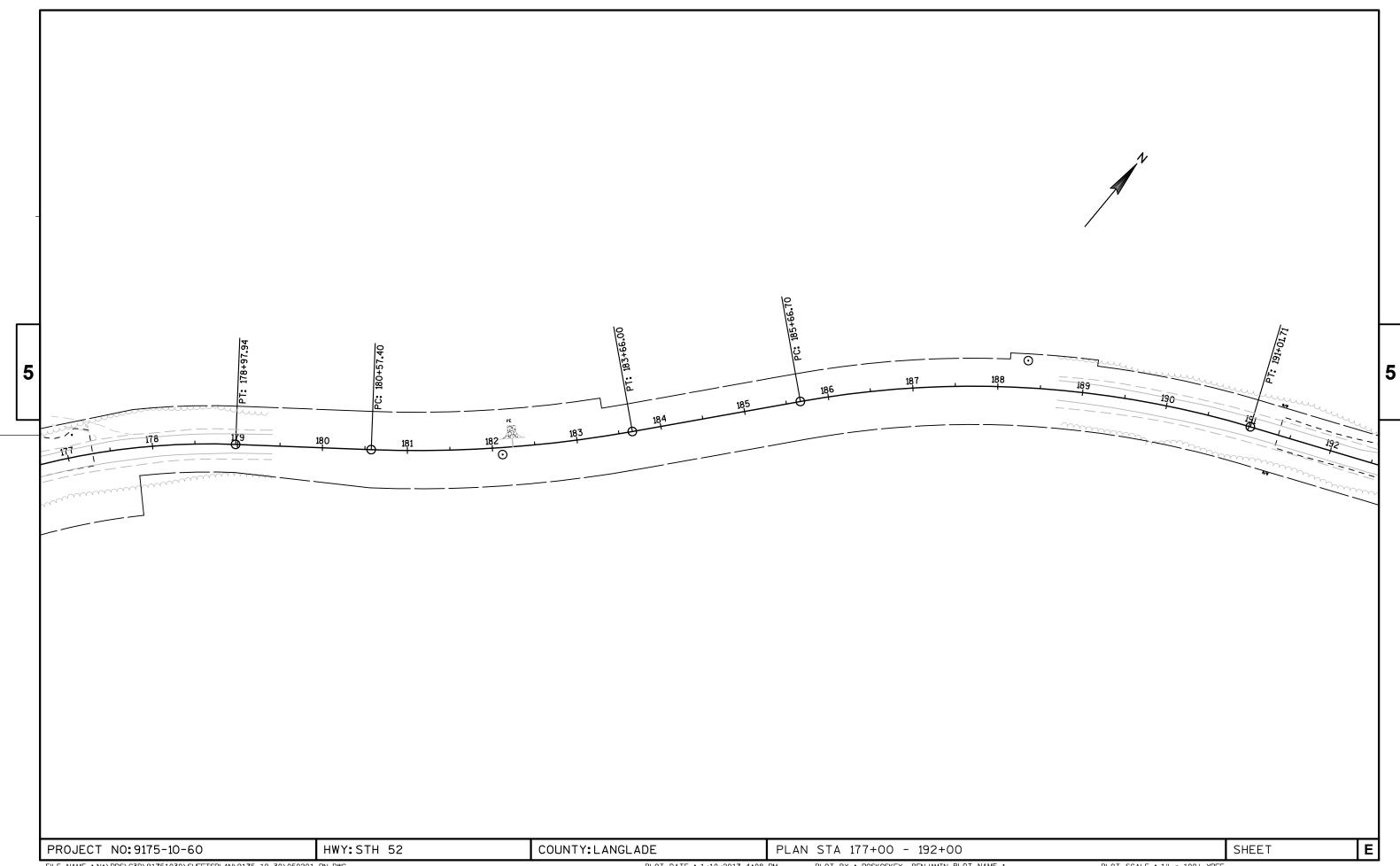


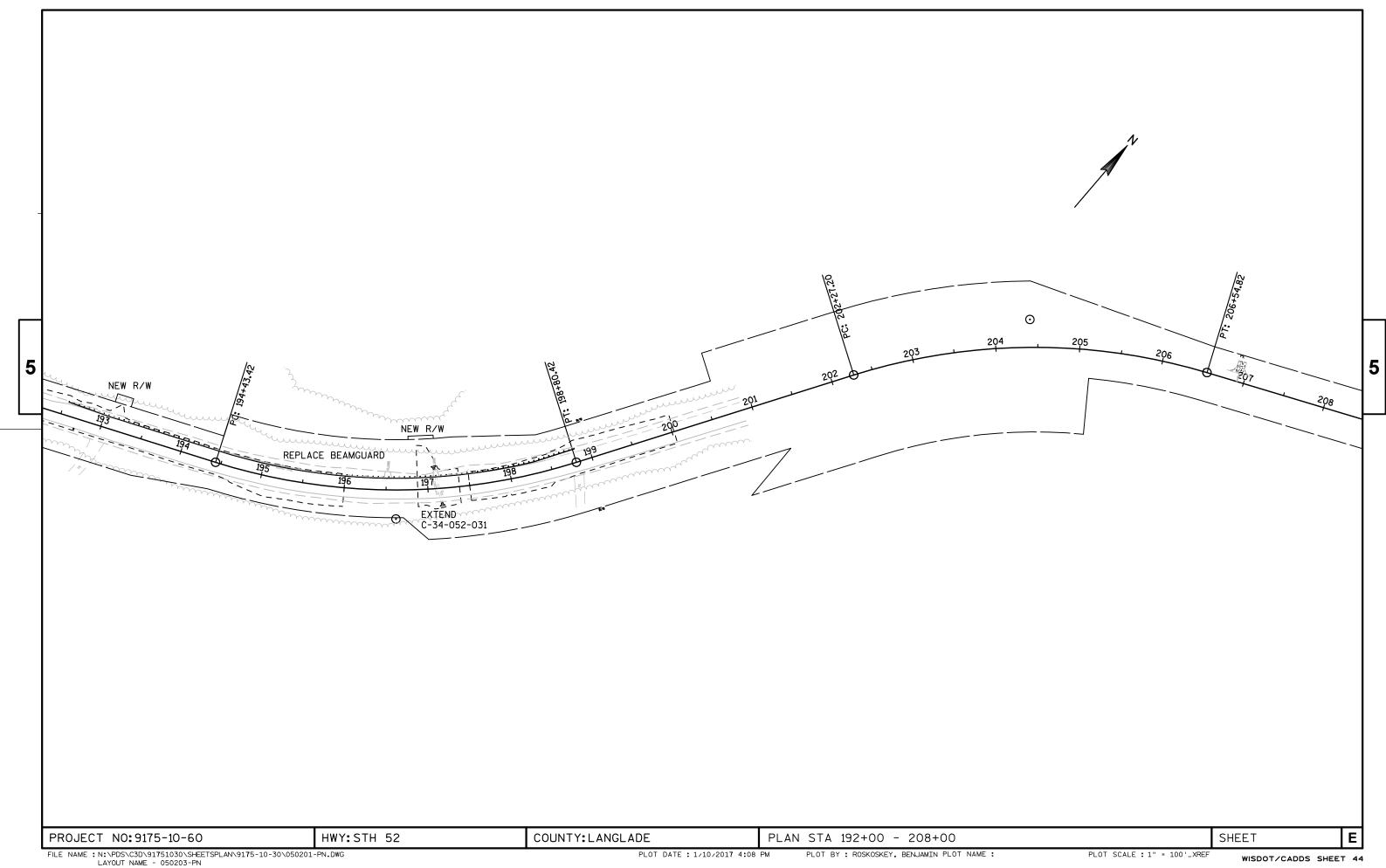
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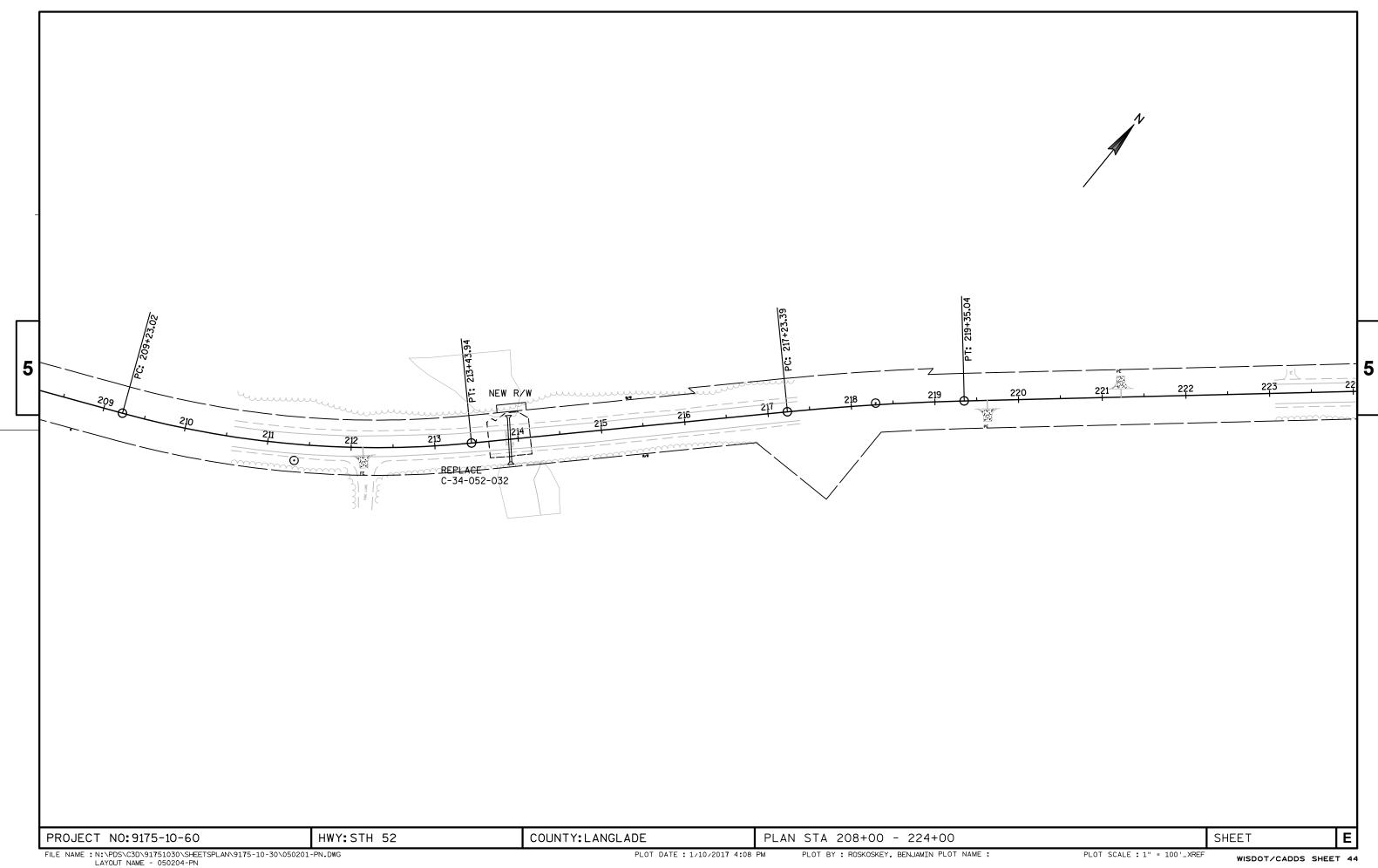
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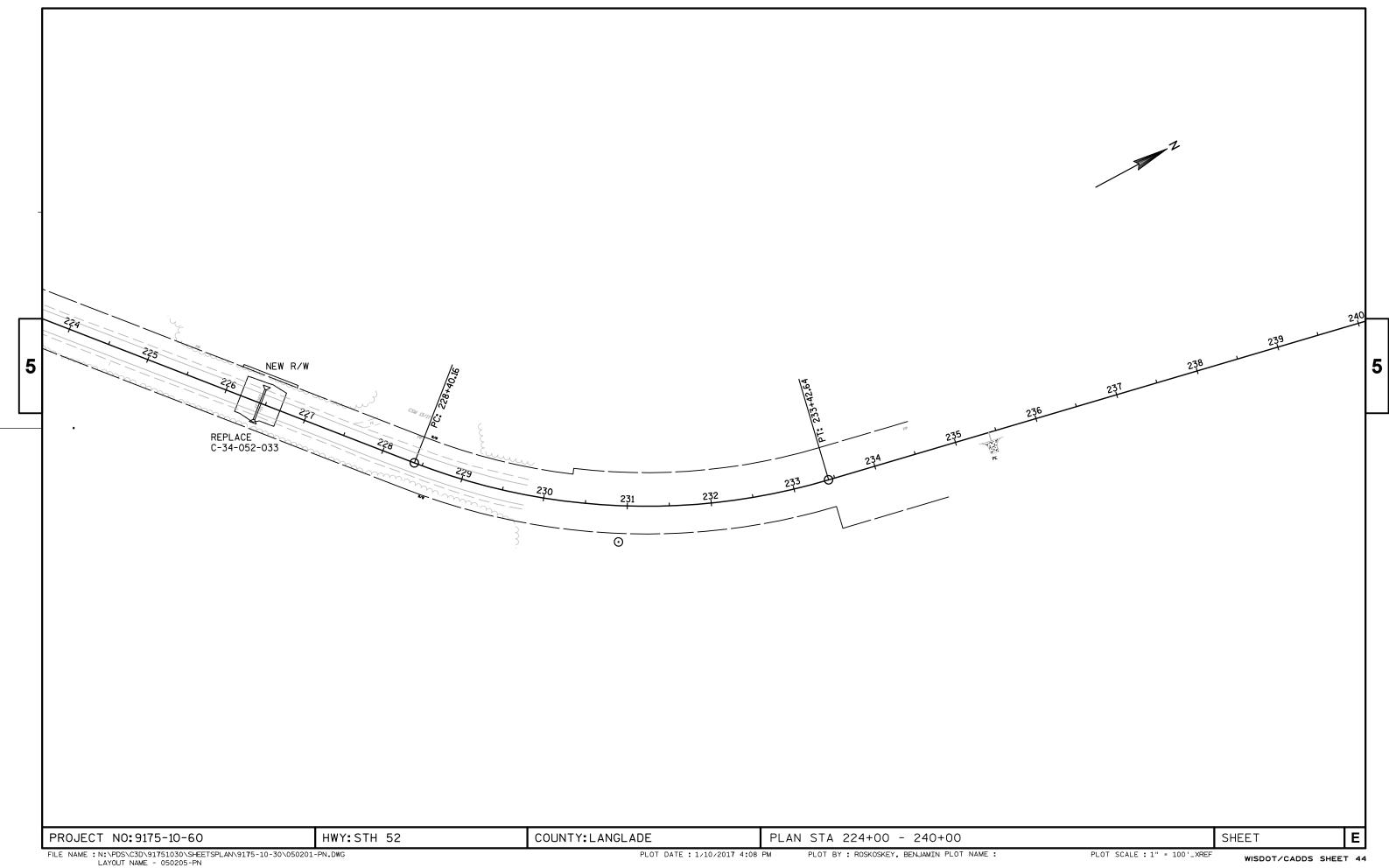
PLOT BY: ROSKOSKEY, BENJAMIN PLOT NAME:

PLOT SCALE : 1" = 100'_XREF





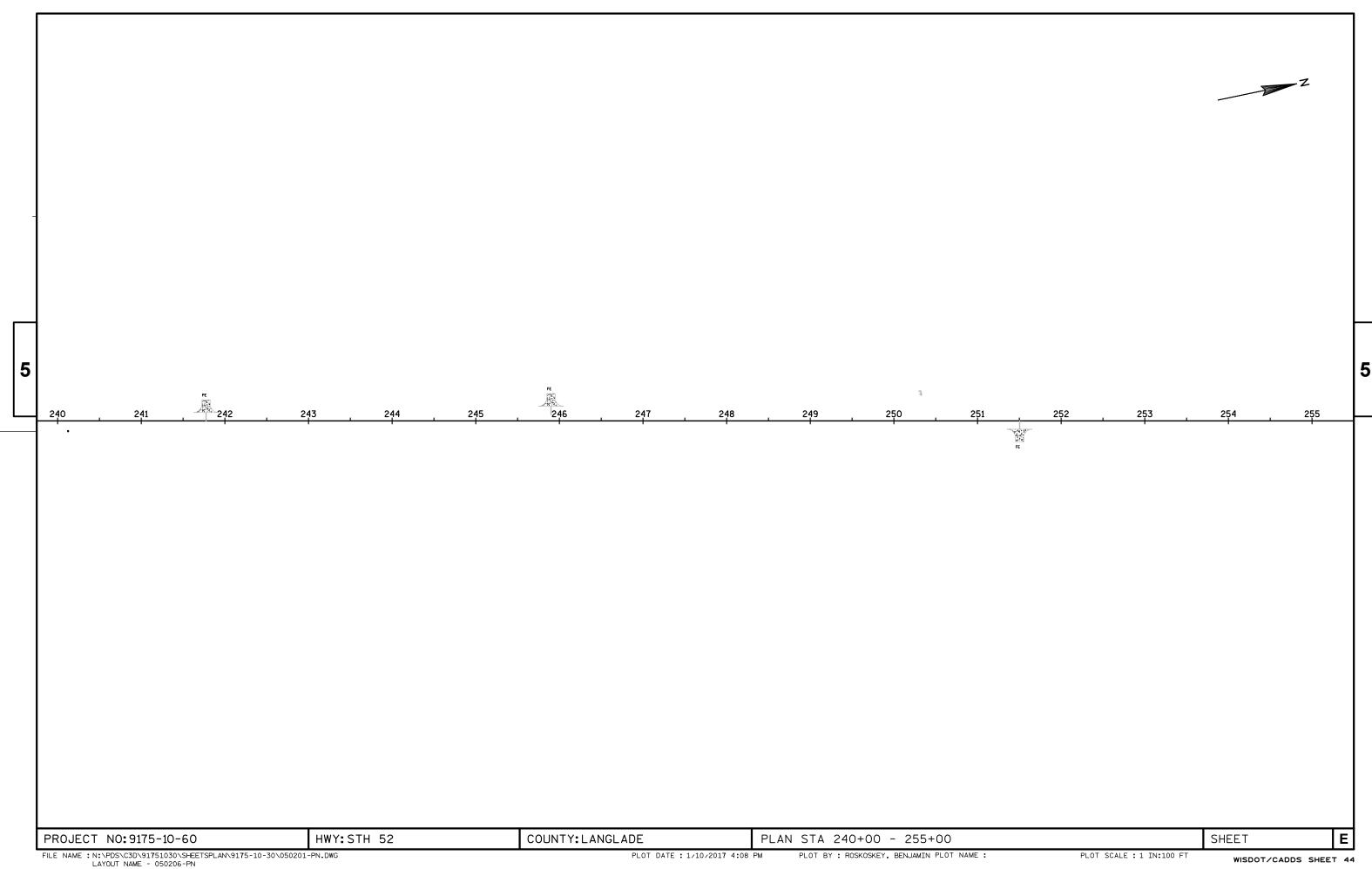


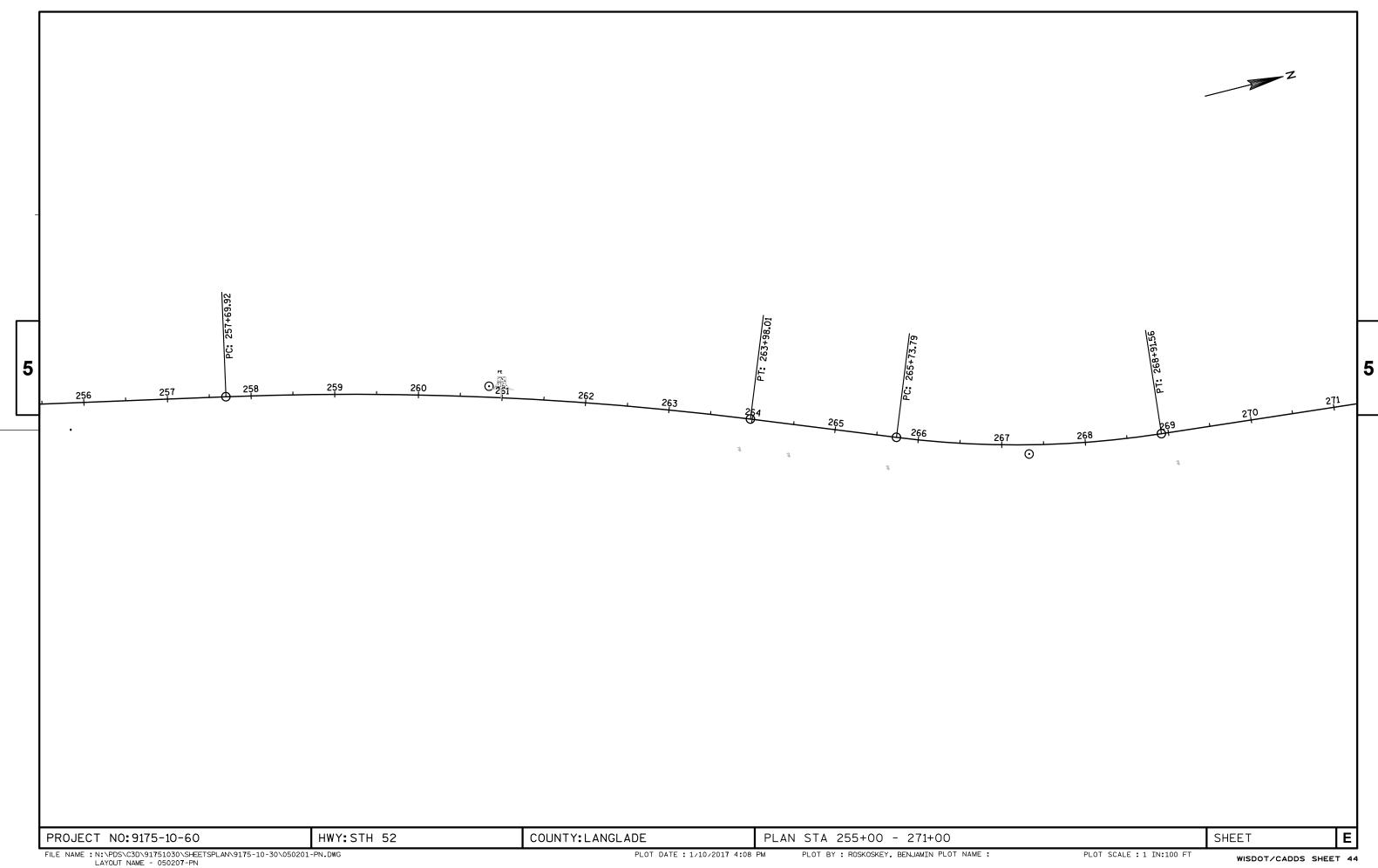


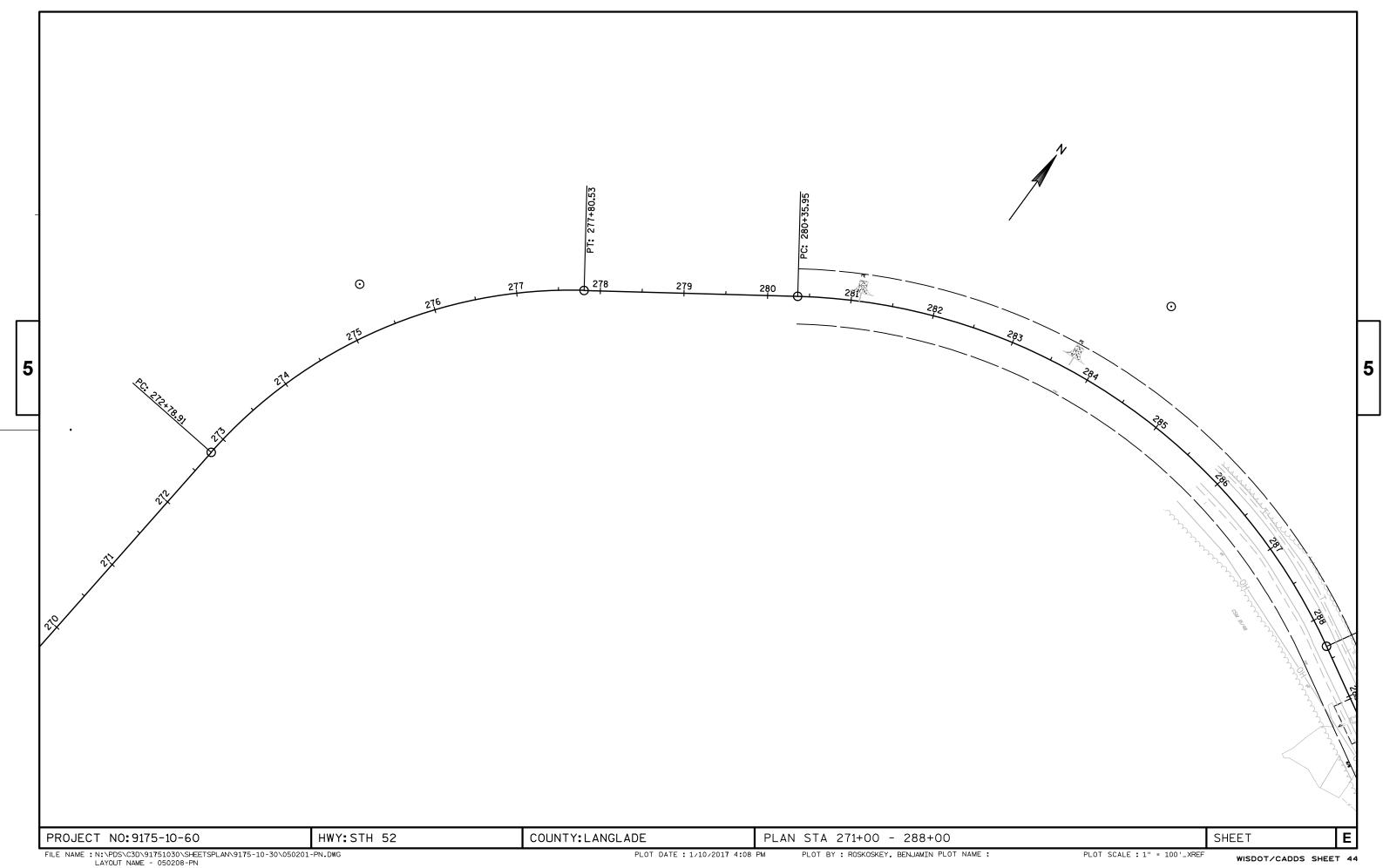
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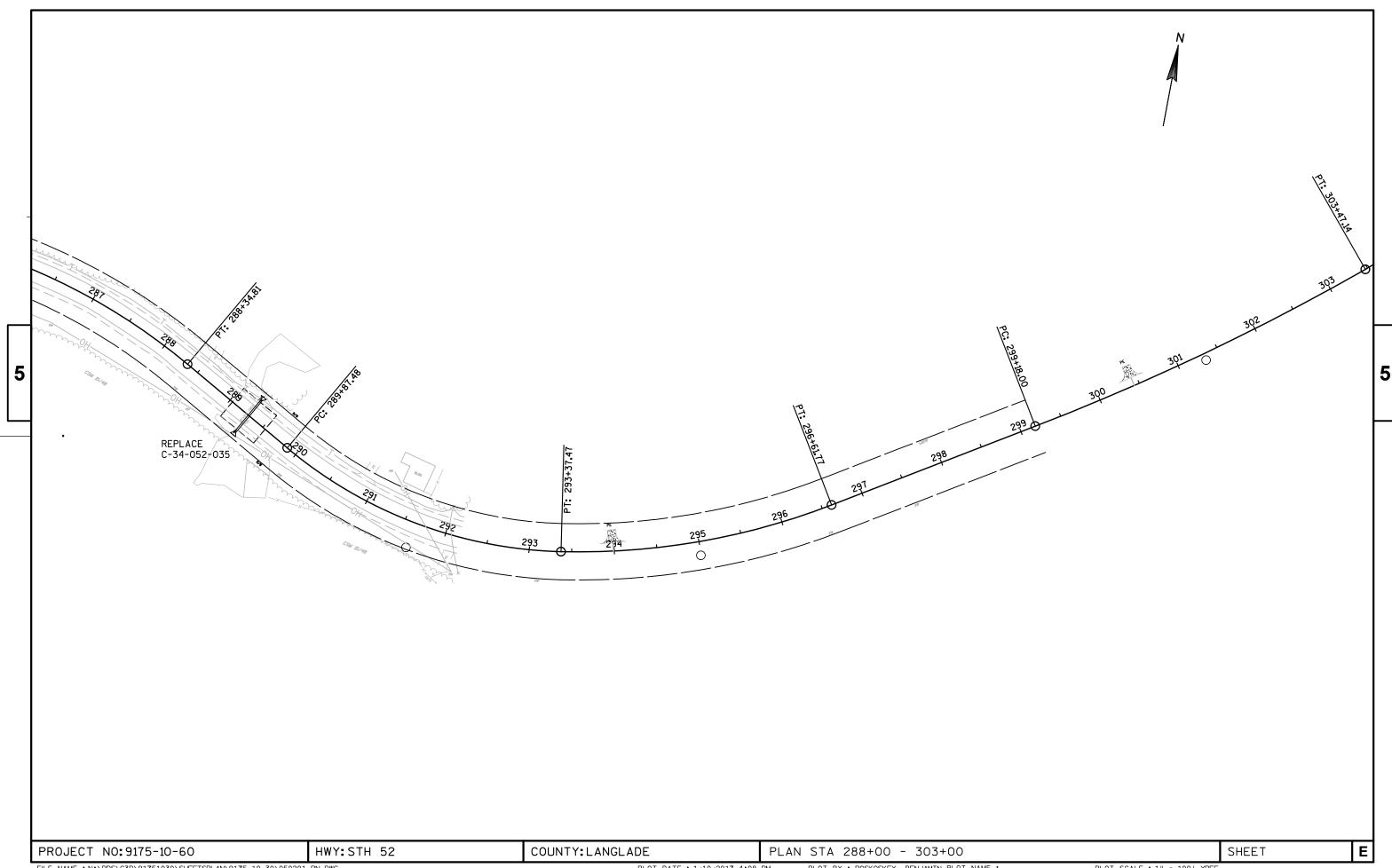
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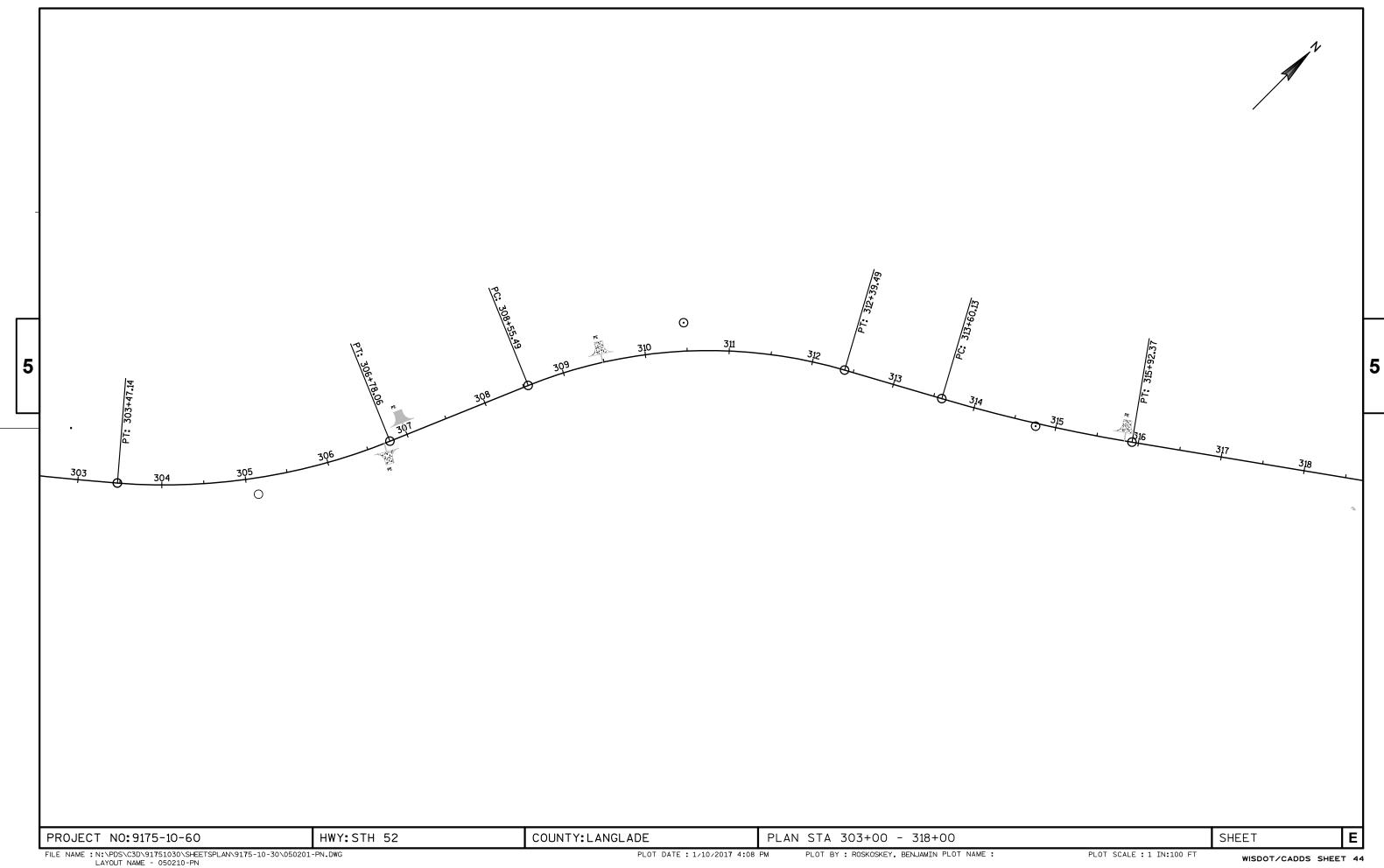
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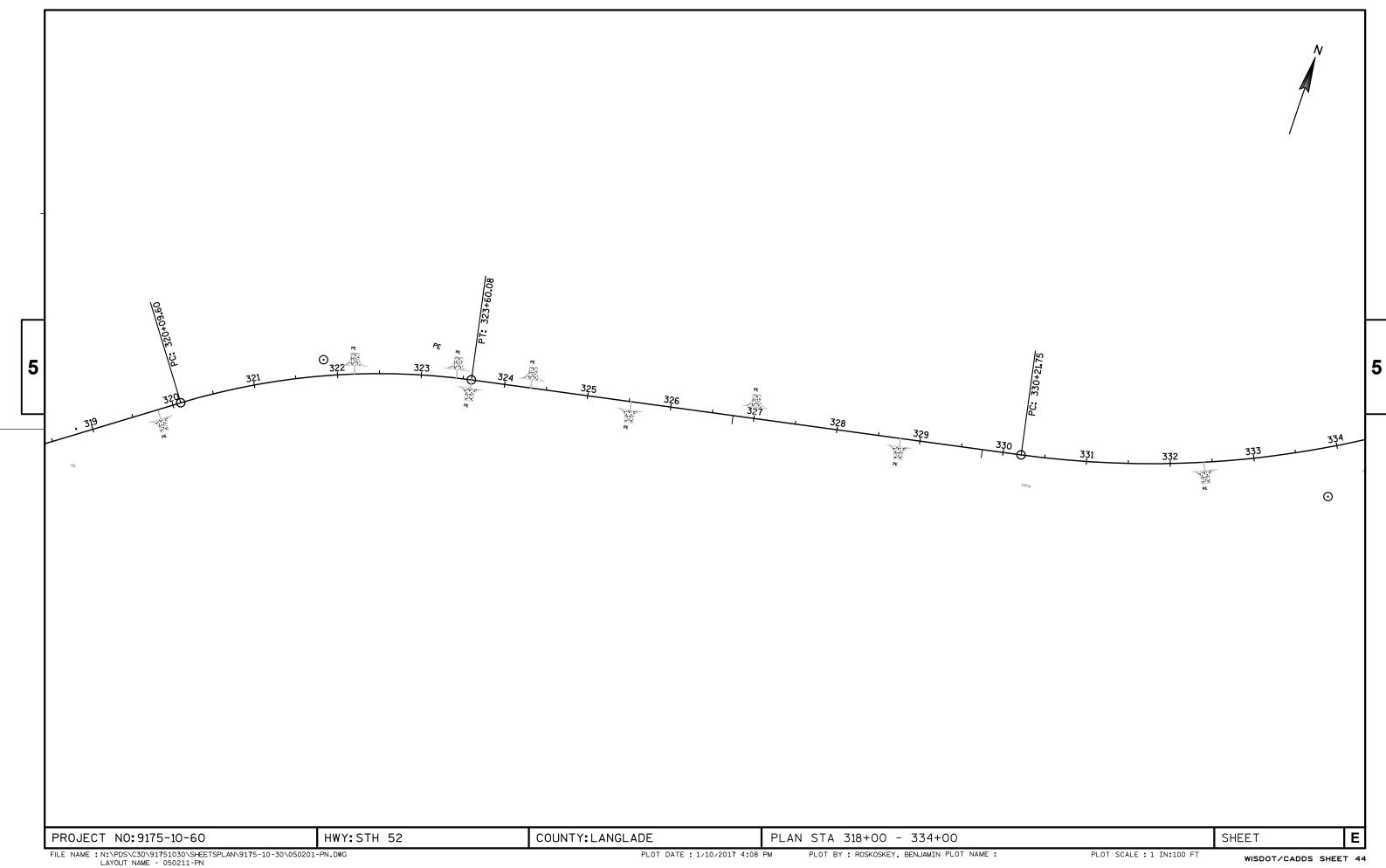


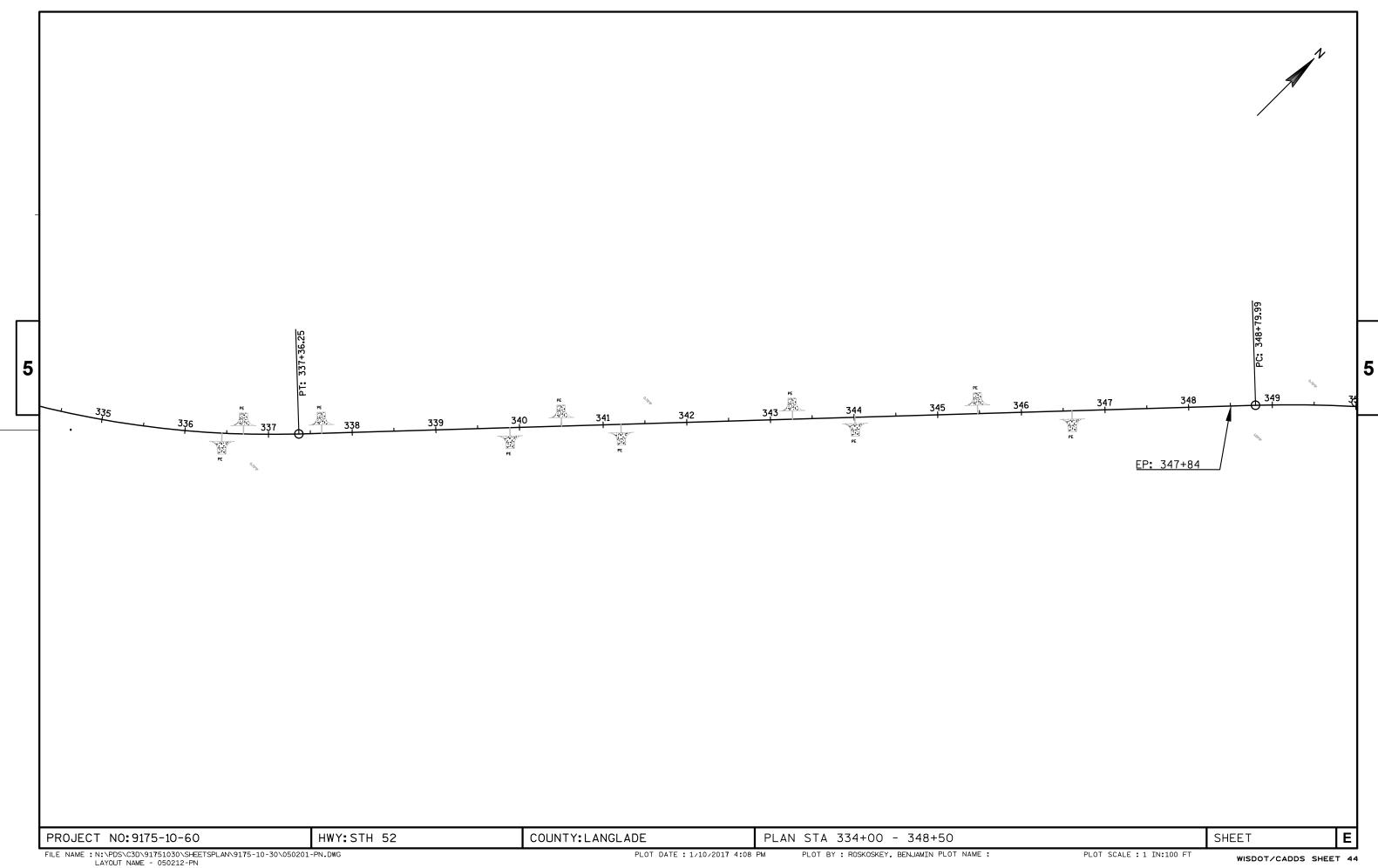


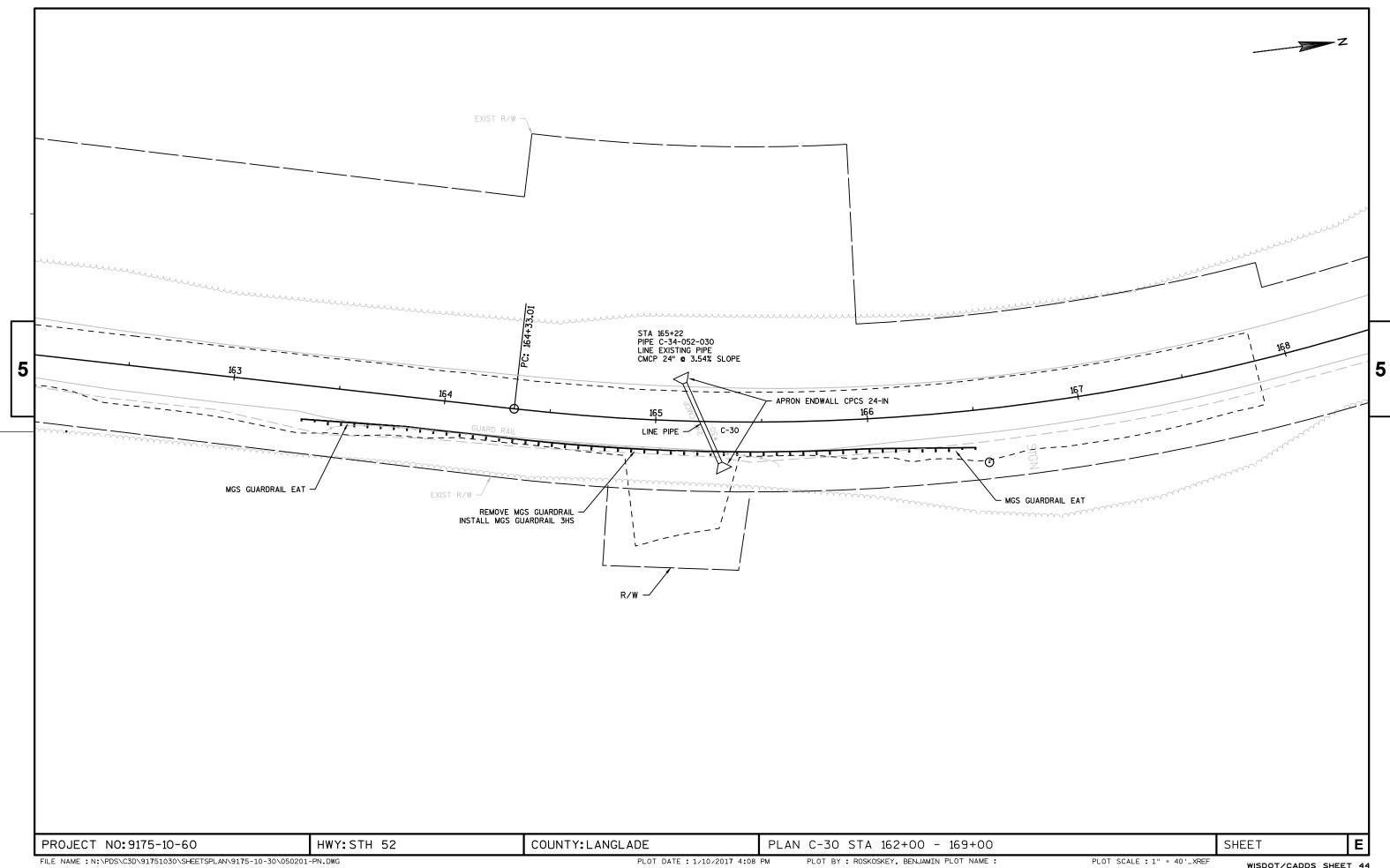


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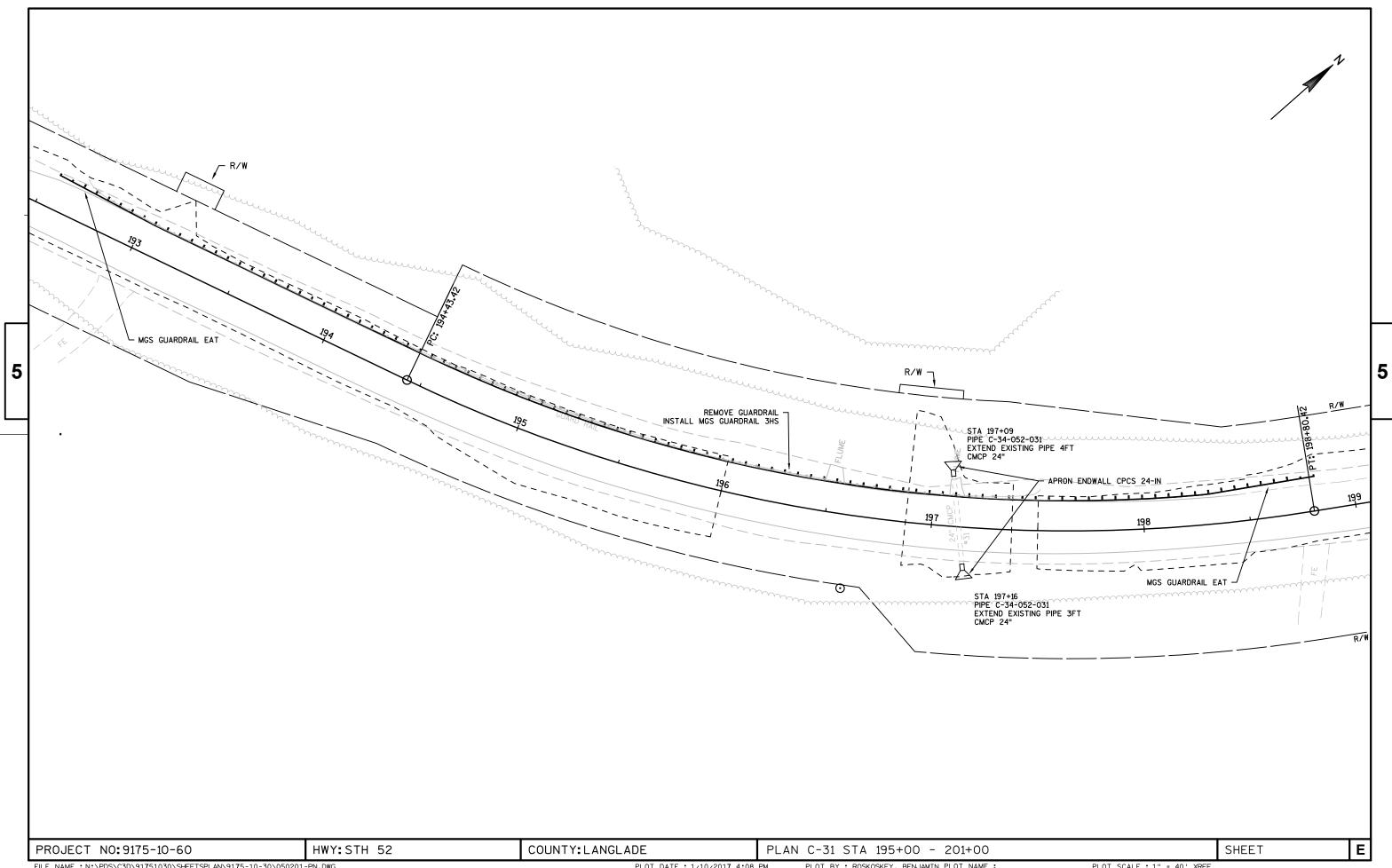
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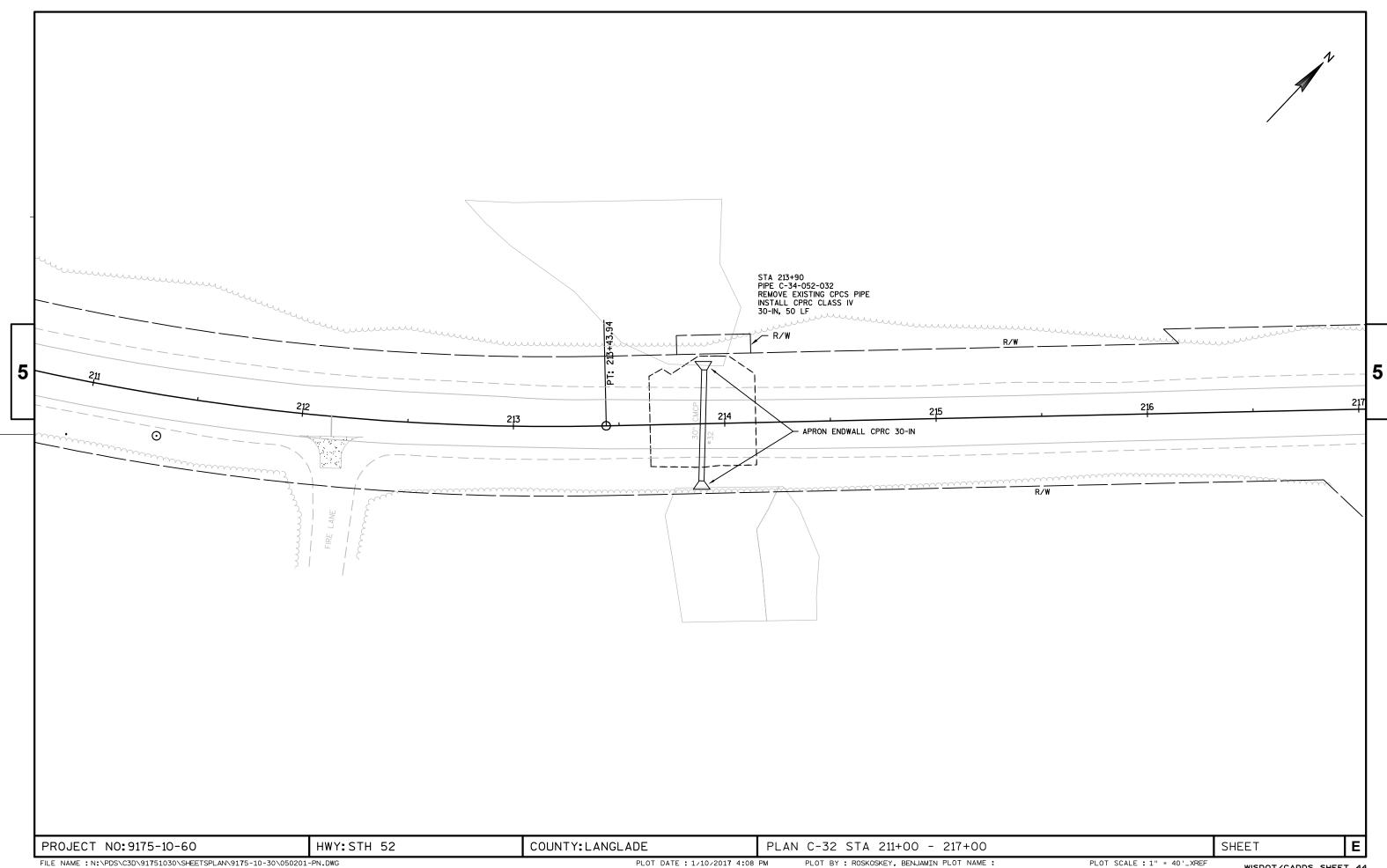


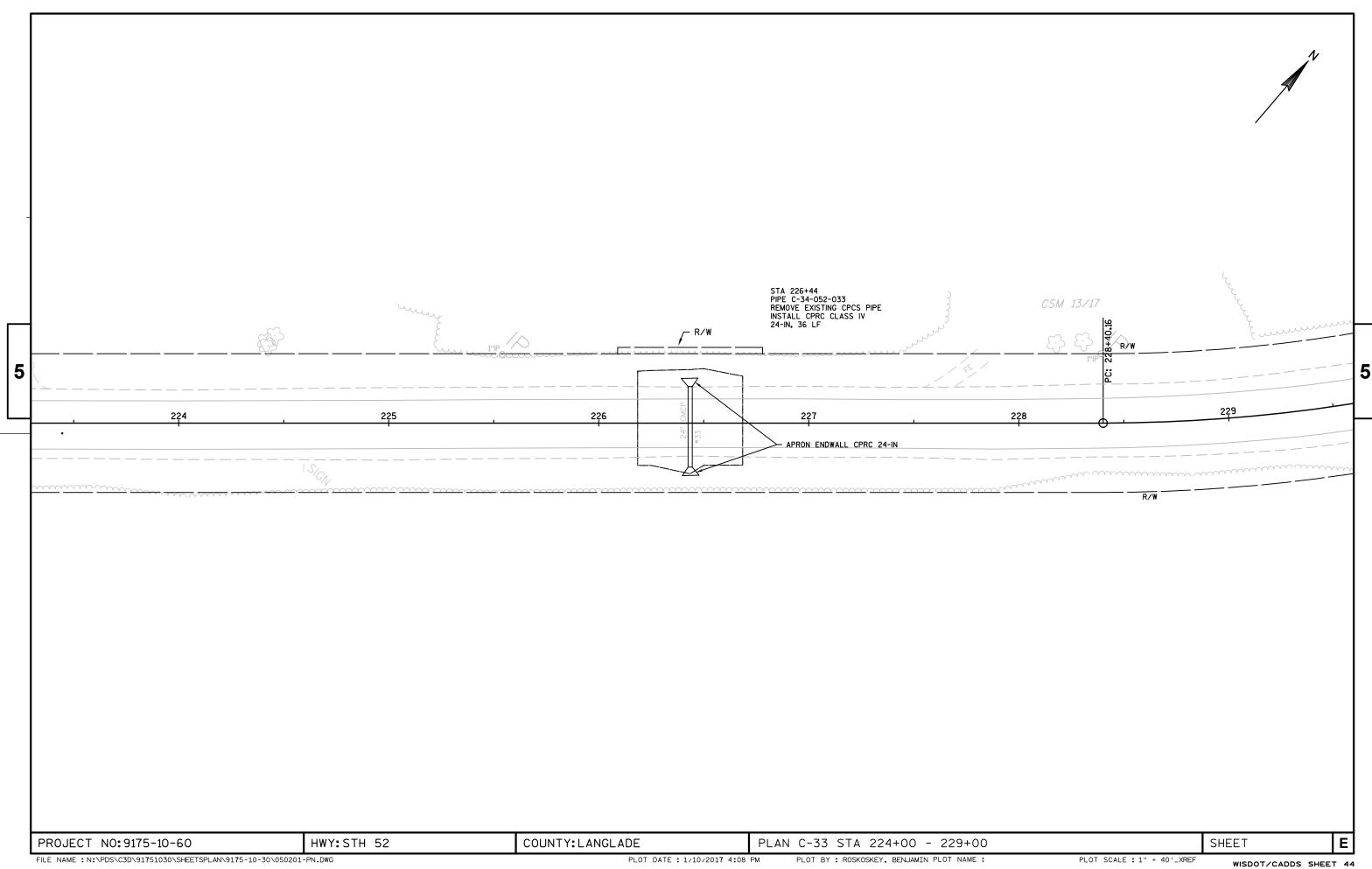
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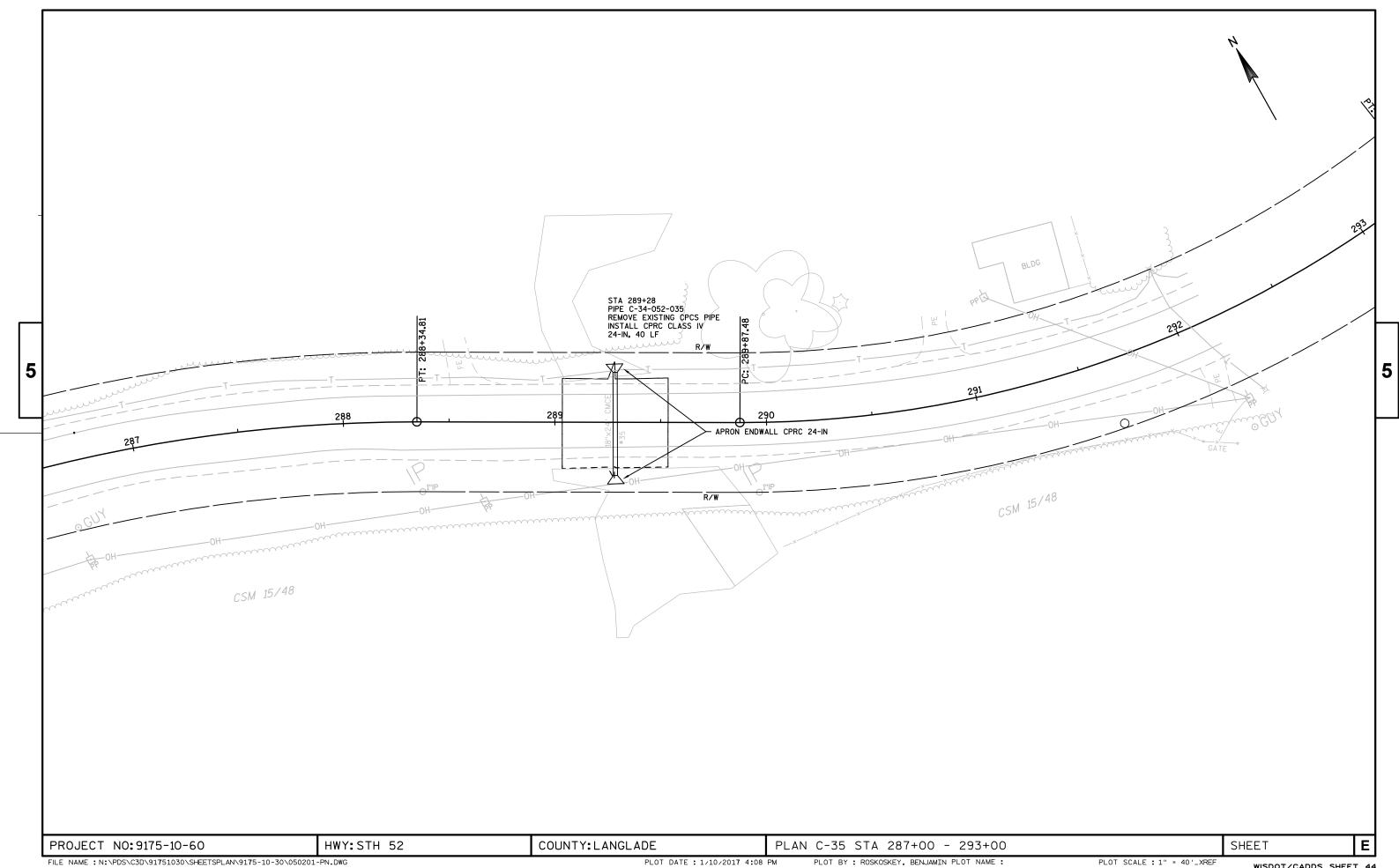
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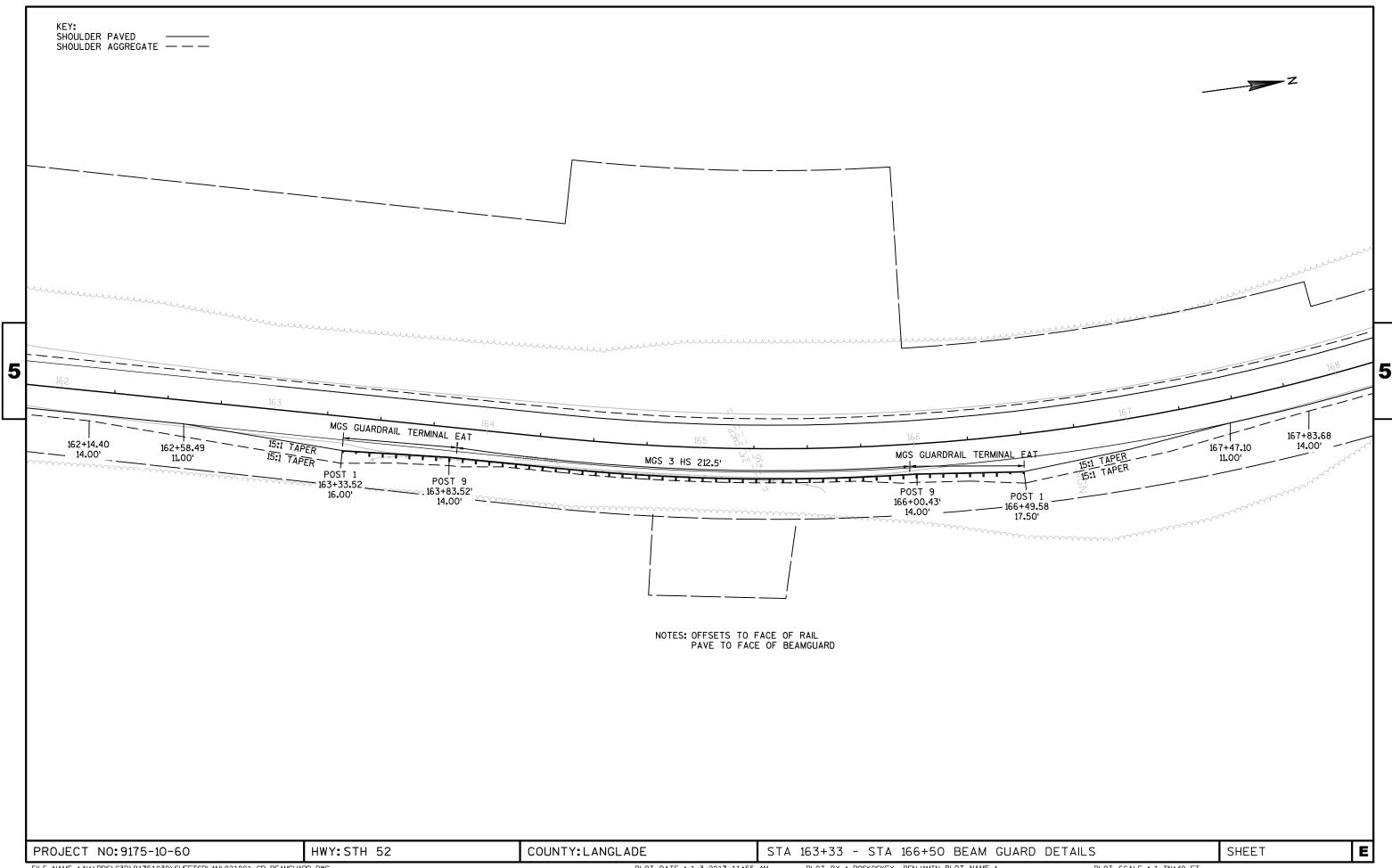
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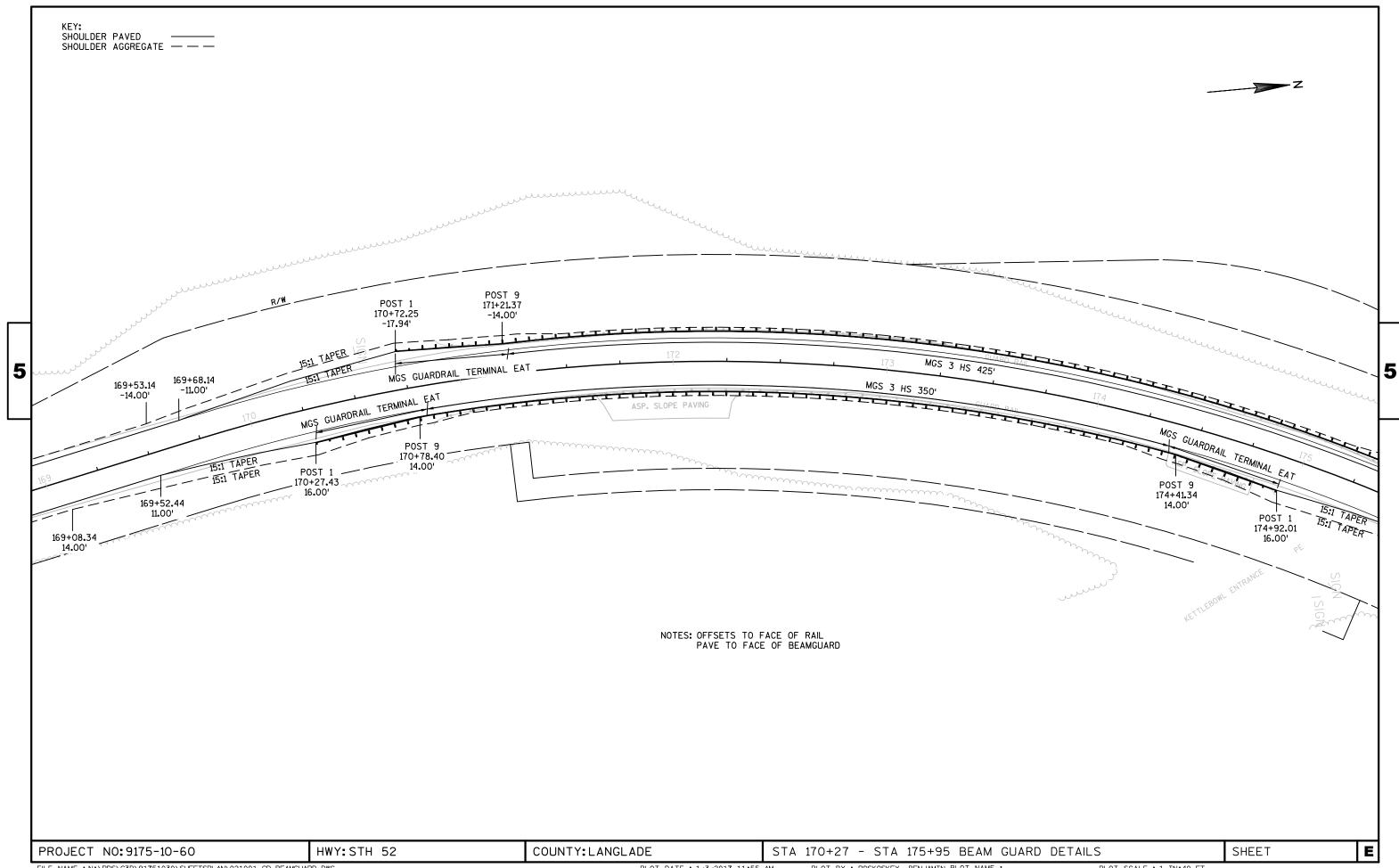
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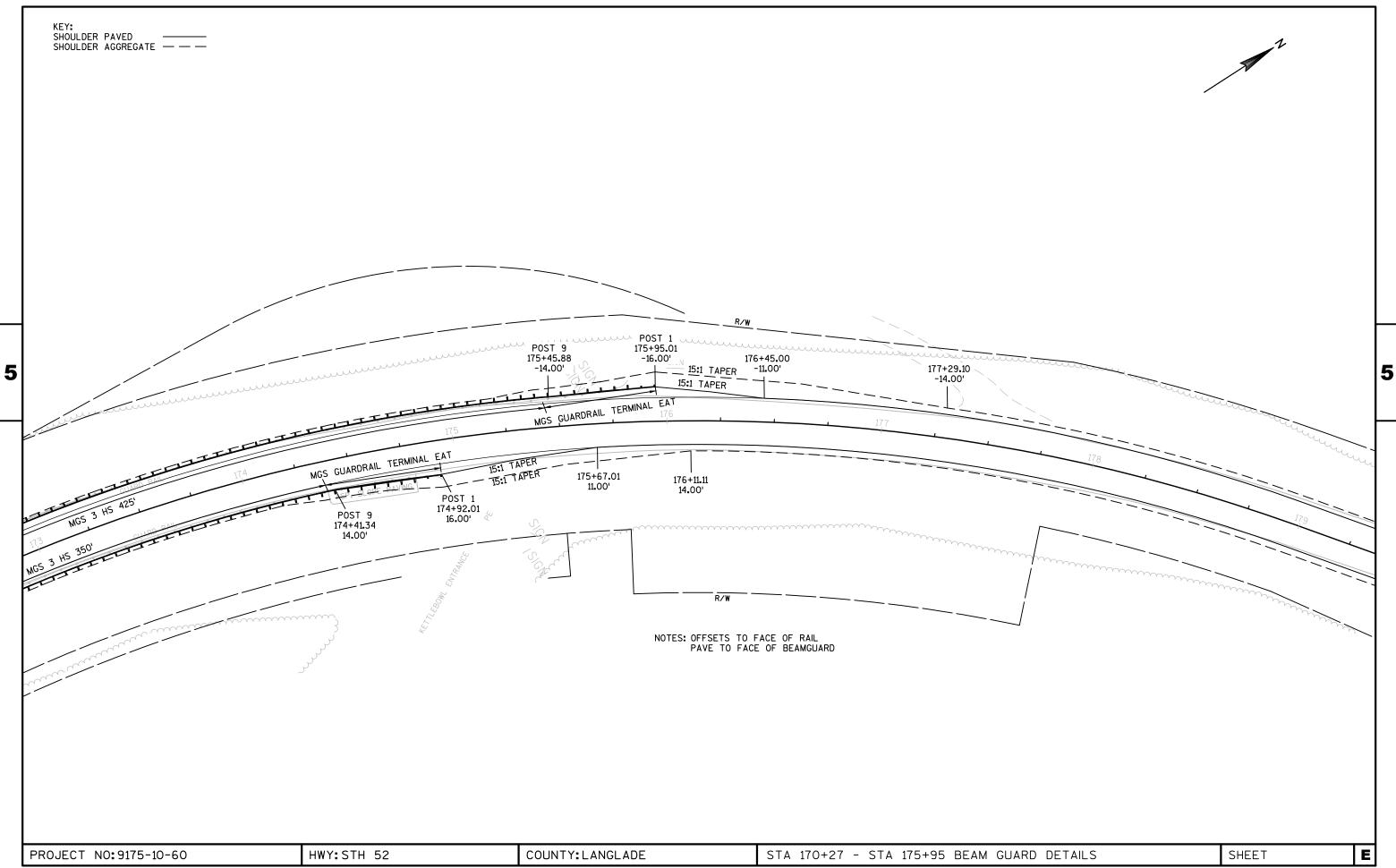


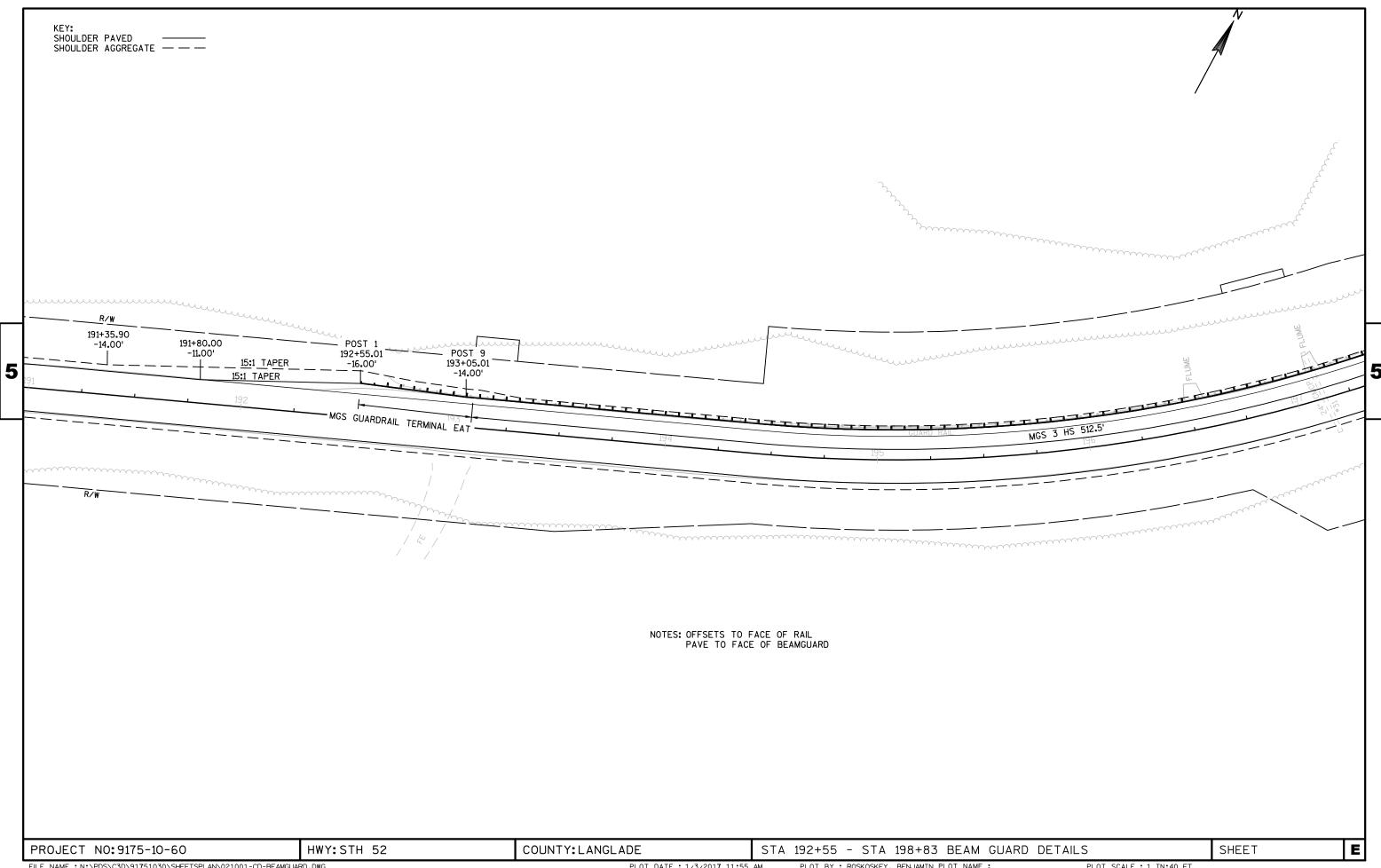


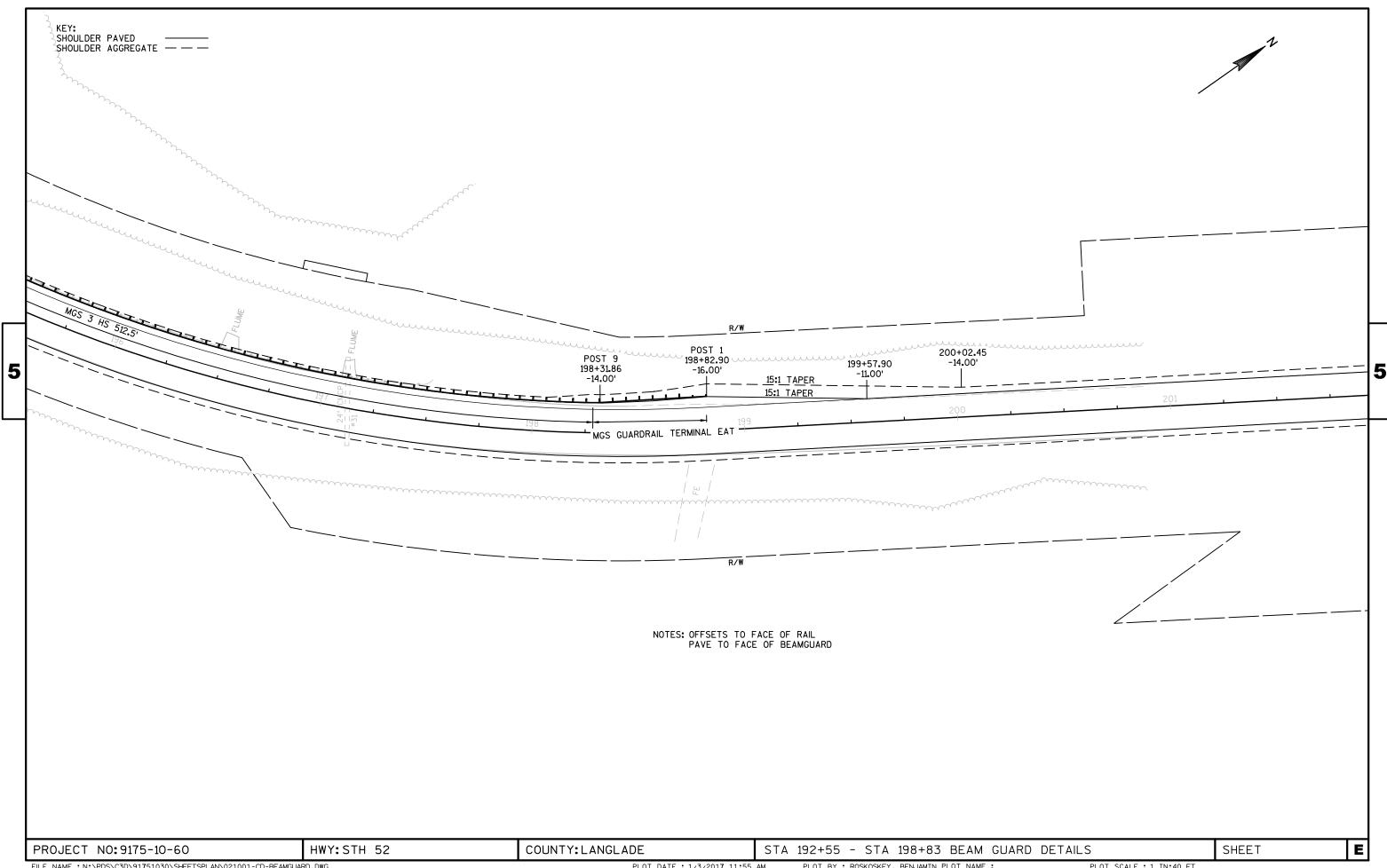


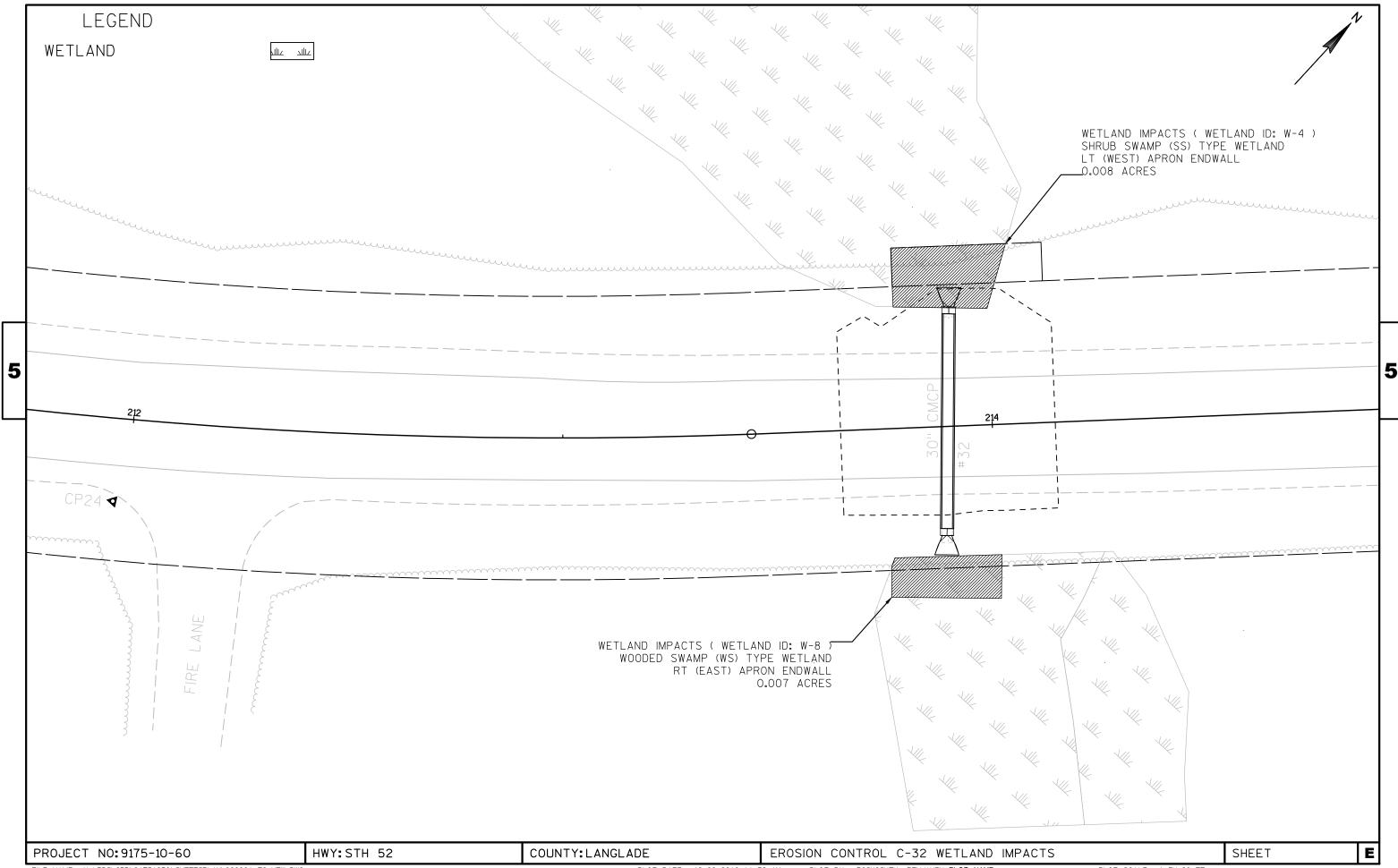


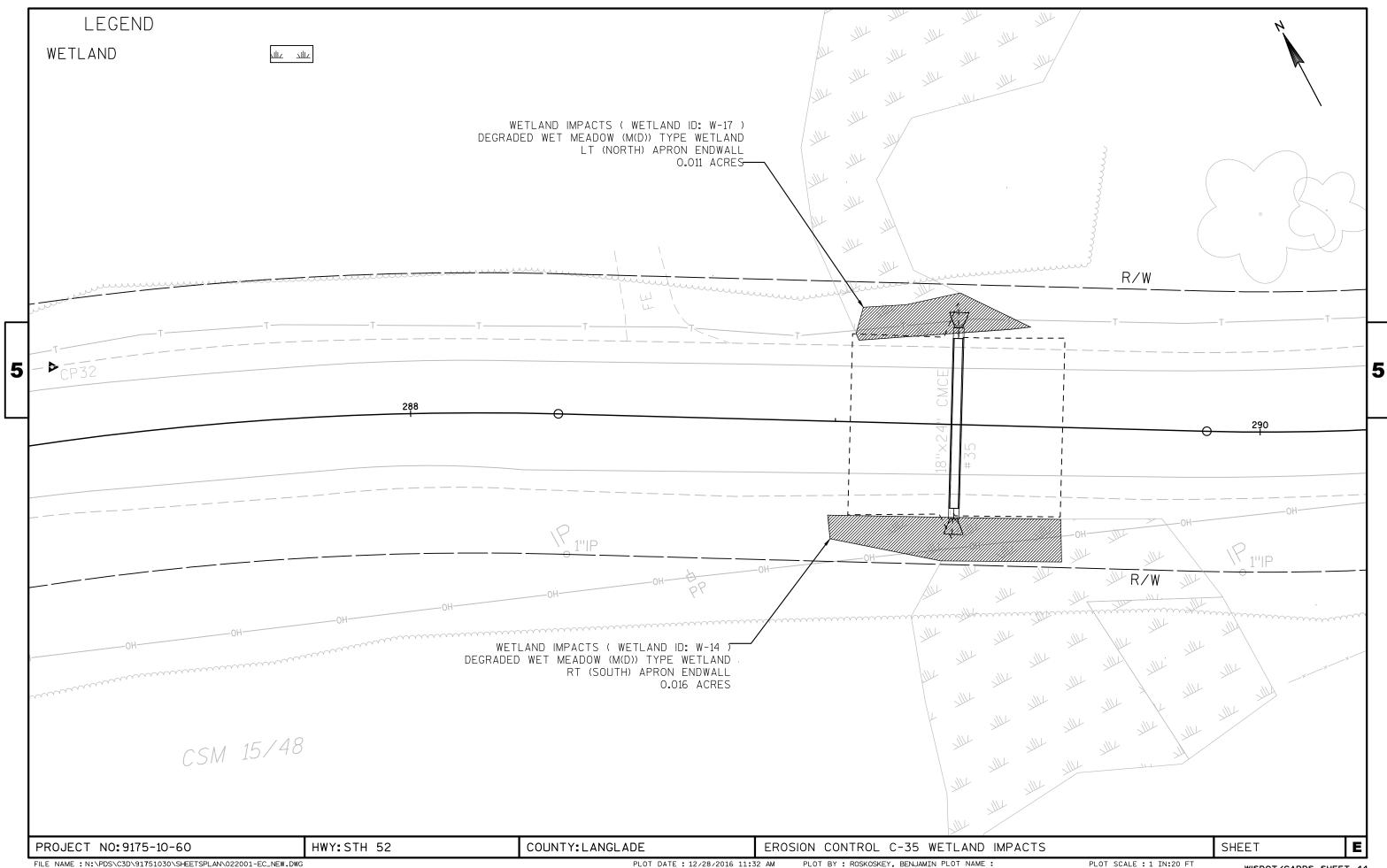












Standard Detail Drawing List

08E09-06	SILT FENCE
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
14B29-01	SAFETY EDGE
14B42-04A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-04B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-04C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B44-02A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-02B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-02C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
15C04-03	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C08-17A	LONGITUDINAL MARKING (MAINLINE)
15C12-05	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C19-04A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY

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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METAL APRON ENDWALLS											
PIPE				DIMENSIONS (Inches)							
DIA.			A	В	Н	L	Lj	L ₂	W	APPROX.	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	2½to 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.

	REINFORCED CONCRETE APRON ENDWALLS								
PIPE			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

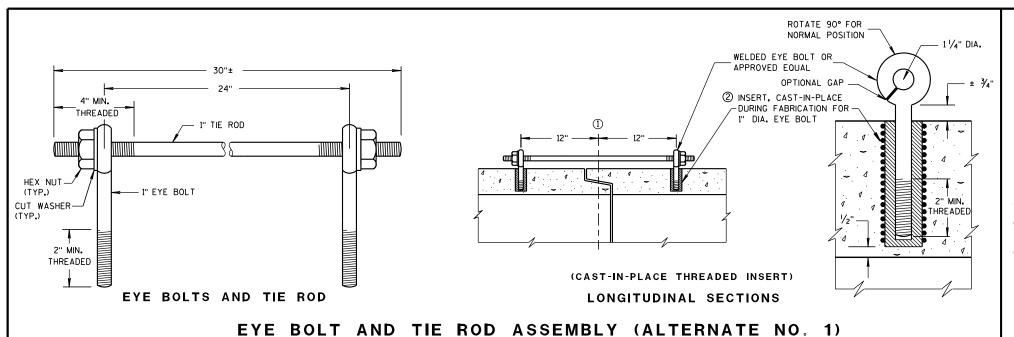
LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES. THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES.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

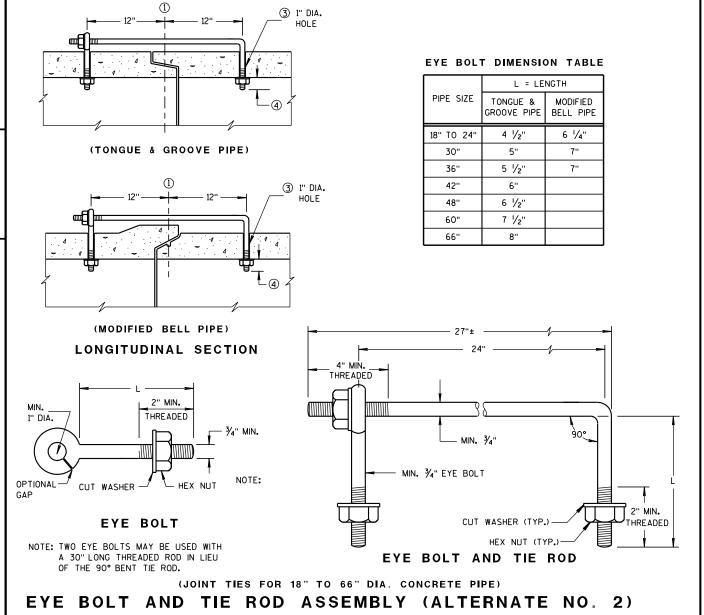
DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

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.

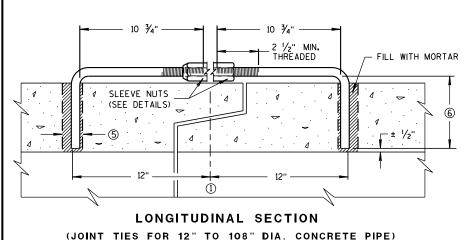


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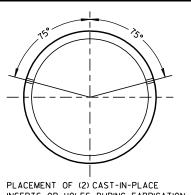
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ADJUSTABLE TIE ROD TABLE 5/8 5 12-60 3/4 5 1/2 3/4 90-108 DIMENSIONS SHOWN ARE IN INCHES **TAPERED** PLAIN RIGHT AND LEFT THREADS **SLEEVE NUTS**

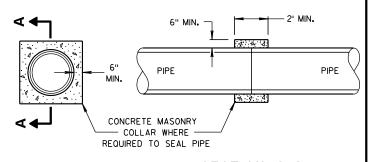


ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



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

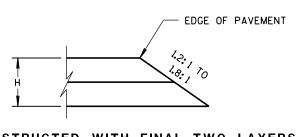
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

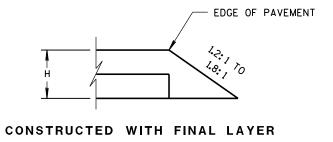
6/5/2012

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

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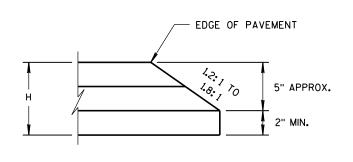


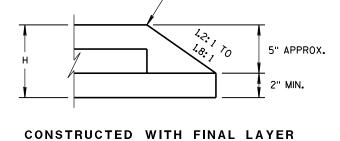


FOR H 5" OR LESS

CONSTRUCTED WITH FINAL TWO LAYERS

FOR H 5" OR LESS





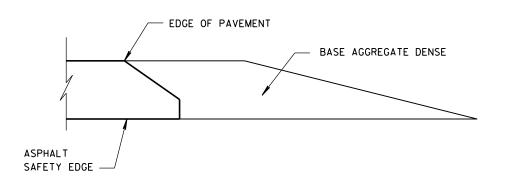
FOR H GREATER THAN 5"

EDGE OF PAVEMENT

CONSTRUCTED WITH FINAL TWO LAYERS

FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



FINISHED SHOULDER AGGREGATE PLACEMENT

SAFETY EDGE SM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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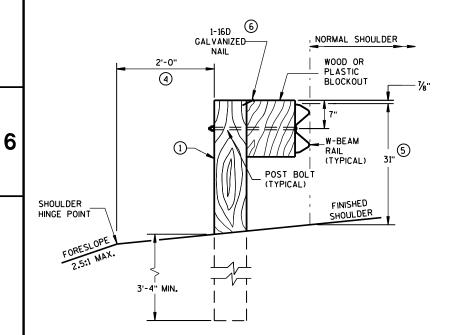
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APPROVED

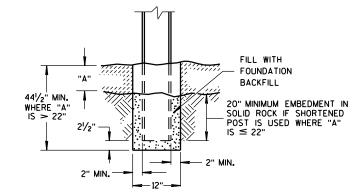
DATE ROADWAY STANDARDS DEVELOPMENT ENGINEER

- 2 USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.
- (3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2½ INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.
- (4) WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).
- (5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ± 1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 273/4" TO 32".
- (6) WHEN USING STEEL POST AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.



END VIEW

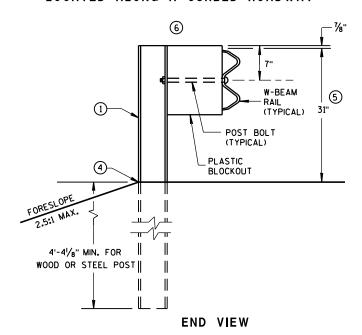
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



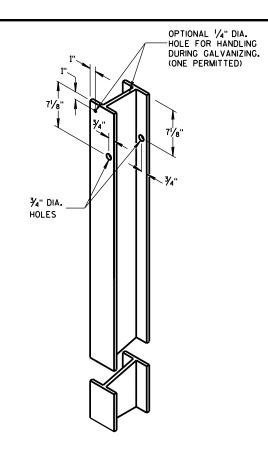
SETTING STEEL OR WOOD POST IN ROCK $^{\scriptsize{\textcircled{3}}}$



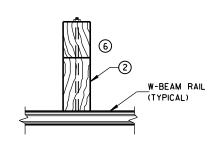
END VIEW
LOCATED ALONG A CURBED ROADWAY



MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



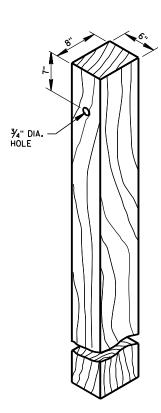
STEEL POST & HOLE PUNCHING DETAIL (w6X9)



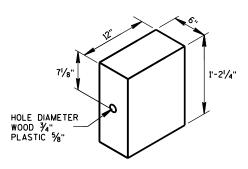
PLAN VIEW
WOOD POST,
BLOCKOUT & BEAM



PLAN VIEW
STEEL POST,
PLASTIC BLOCKOUT & BEAM



WOOD POST (6" X 8") NOMINAL $^{\scriptsize \textcircled{1}}$



WOOD OR PLASTIC BLOCKOUT

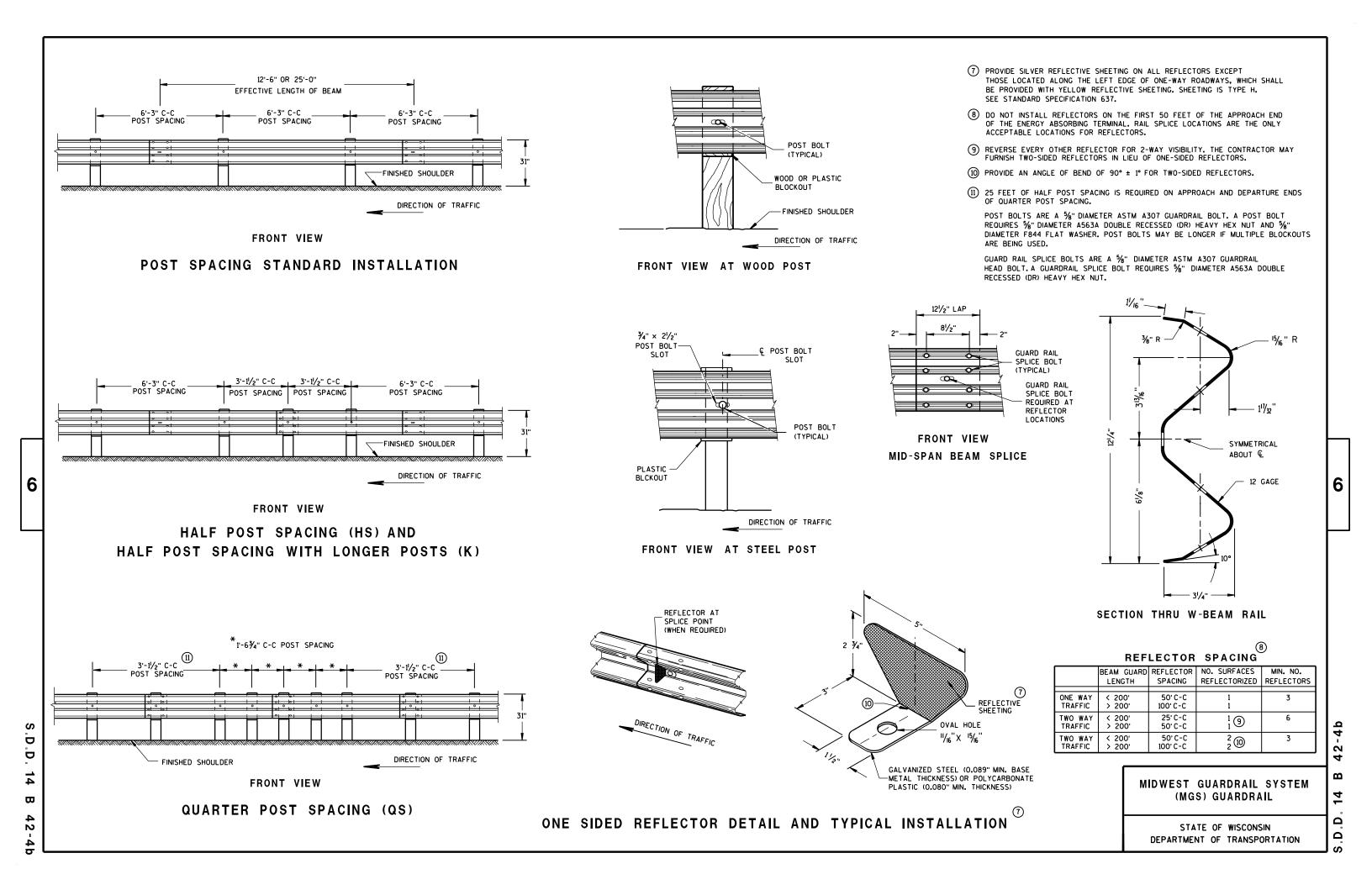
MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S.D.D. 14 B 42-4a

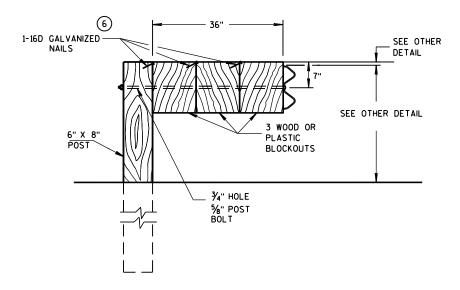
D.D. 14 B

Ö



DETAIL FOR 16" BLOCKOUT DEPTH

IT IS ACCEPTABLE TO USE BLOCKOUTS UP TO 16" DEEP TO INCREASE THE POST OFFSET TO AVOID UNDERGROUND OBSTACLES. THERE IS NO LIMIT TO THE NUMBER OF POSTS THAT CAN HAVE ADDITIONAL BLOCKOUTS UP TO 16" DEEP.

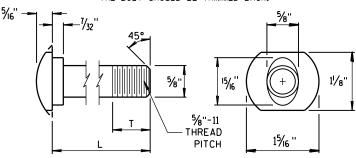


DETAIL FOR 36" BLOCKOUT DEPTH

NOTES: UNDER SPECIAL CIRCUMSTANCES, SUCH AS AVOIDING OBSTACLES THAT ARE NOT RELOCATED, IT IS ACCEPTABLE TO INSTALL ADDITIONAL BLOCKOUTS TO OBTAIN UP TO 36" DEPTH FOR ONE OR TWO POSTS IN A SECTION OF GUARDRAIL.

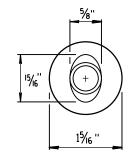
> DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

NOTE: 1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF 1/16". 2. IF THE BOLT EXTENDS MORE THAN 1/4" FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

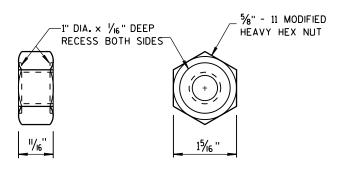


POST BOLT TABLE

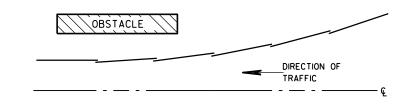
11/8"
-70
13/4"
4"
4½ ₆ "
4"
41/16"
4"



ALTERNATE BOLT HEAD

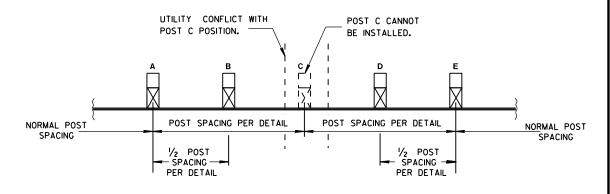


POST BOLT, SPLICE BOLT AND RECESS NUT



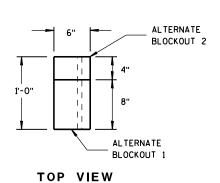
PLAN VIEW

BEAM LAPPING DETAIL



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION





SIDE VIEW

ALTERNATE WOOD **BLOCKOUT DETAIL**

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

/S/ Jerry H. Zogg ROADWAY STANDARDS DEVELOPMENT ENGINEER

S b Ö ₩ 2

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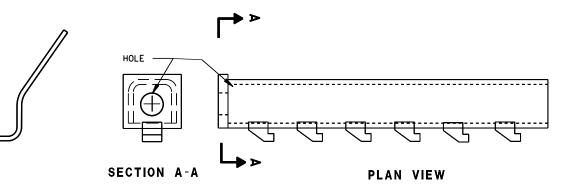
 $\mathbf{\omega}$

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S.D.D.

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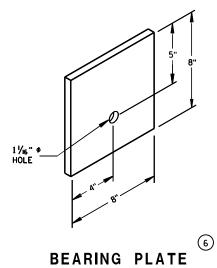


9 H

GENERIC ANCHOR CABLE BOX

BILL OF MATERIALS

PART NO.	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUFACTURER'S DETAILS FOR MORE INFORMATION.						
1	WOOD BREAKAWAY POST						
2	6" X 8" X 0.188", 6'-0" LONG FOUNDATION TUBE AT POSTS 1AND 2						
3	WOOD CRT						
4	WOOD BLOCKOUT						
(5)	PIPE SLEEVE						
6	BEARING PLATE						
7	BCT CABLE ASSEMBLY						
8	ANCHOR CABLE BOX						
9	GROUND STRUT						
10	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.						
(11)	STANDARD W-BEAM RAIL.MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.						
(12)	END SECTION EAT						
(13)	0.040" ALUMINUM SHEET WITH REFLECTIVE SHEETING TYPE F PER SECTION 637 OF THE STANDARD SPECIFICATIONS						
(14)	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)						



MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

44-2b $\mathbf{\omega}$ 14 .D.D.



GENERAL NOTES

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

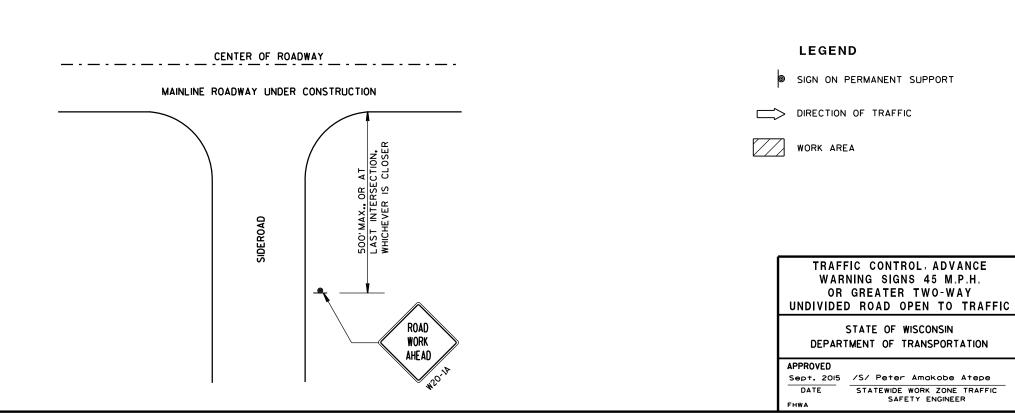
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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.

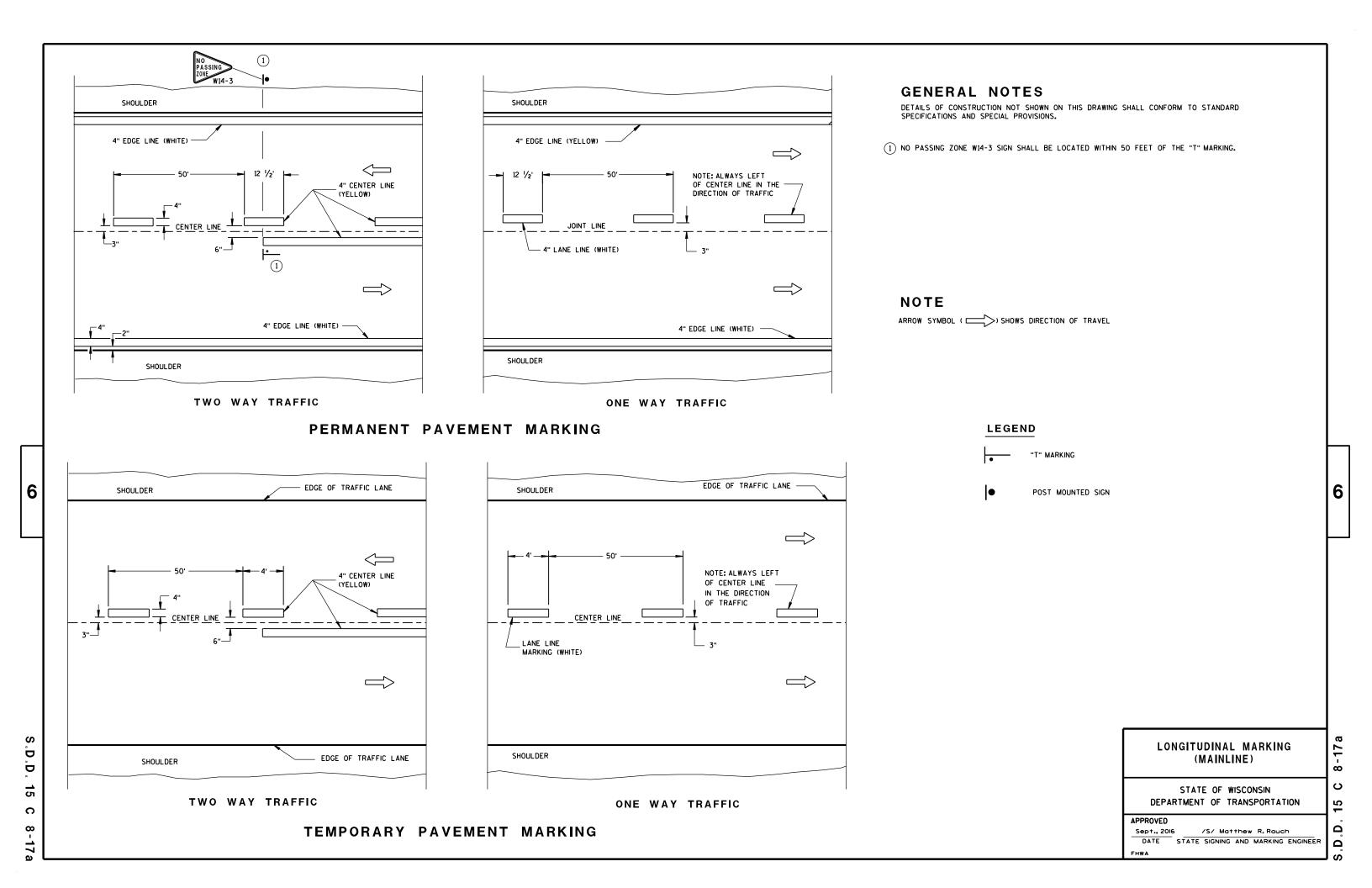
- * OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.
- * PLACE ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



4

SAFETY ENGINEER

6



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

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

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

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

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS. PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

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

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT, REMOVE TEMPORARY RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

- * UTILIZE TEMPORARY RUMBLE STRIPS WHEN FLAGGING OPERATION IS ANTICIPATED TO BE STATIONARY IN EXCESS OF TWO HOURS.
- FOR A MOVING WORK OPERATION, SIGNING AND TEMPORARY RUMBLE STRIPS (IF USED) SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3,500 FOOT INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.
- 2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.
- 3 EACH TEMPORARY RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS SPACED ACCORDING TO MANUFACTURER'S RECOMMENDATION, PLACED TRANSVERSE ACROSS THE LANE AT LOCATIONS SHOWN.

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

December, 2016 /S/ Andrew Heidtke

DATE WORK ZONE ENGINEER

FHWA

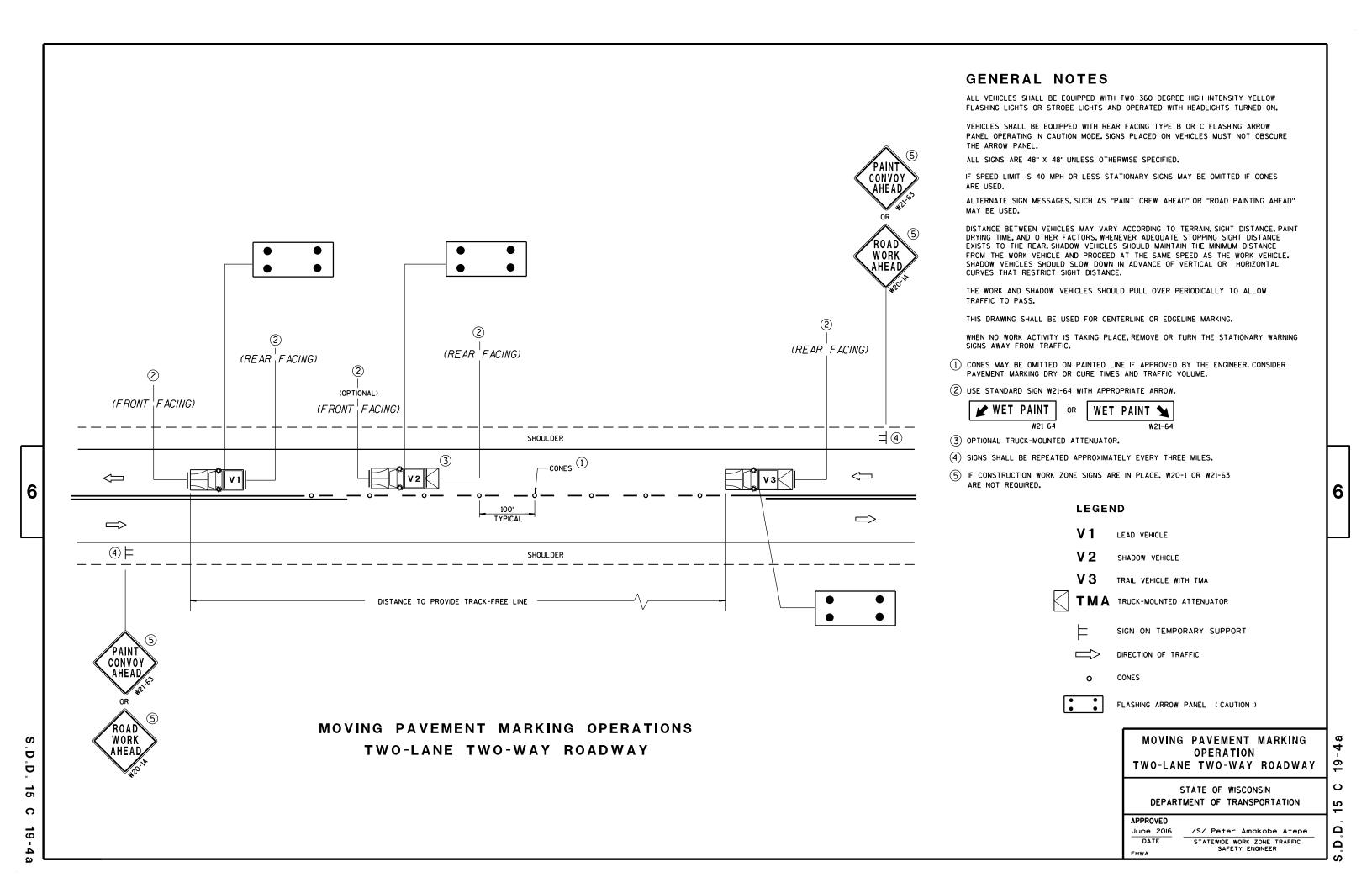
S.D.D. 15 C 12-5

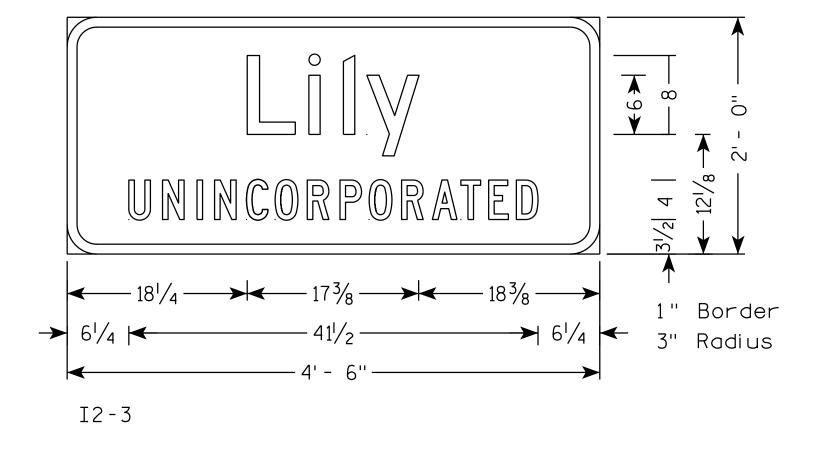
6

S.D.D. 15 C

12

6





- 1. Sign is Type II Type H Reflective
- 2. Color:

Background - GREEN Message - WHITE

3. Message Series - Series D Line 1
Series C Line 2

PROJECT NO: 9175-10-60 HWY: STH 52 COUNTY: LANGLADE PERMANENT SIGNING SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_d7\7342A616.dgn

PLOT DATE: 20-JUN-2016 14:29

PLOT NAME :

PLOT SCALE: 9.729210:1.000000

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



NOTES: 1. ALL MATERIAL TO BE APPROVED

BY ENGINEER PRIOR TO INSTALLATION

- 2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
- 3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

HWY:



PLAN VIEW

COUNTY:

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN

PROJECT NO:

PLOT DATE: 27-JAN-2014 09:48

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 13.659812:1.000000

APPROVED

GENERAL NOTES

- 1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
- 2. See tables below for required number of posts.
- 3. For expressways and freeways, mounting height is 7'-3'' (±) or 6'-3'' (±) depending upon existence of sub-sign.
- 4. The (±) tolerance for mounting height is 3 inches.
- 5. Minimum mounting height for J assemblies (A2-1S) is 7'-3'' (±) or 6'-3'' (±) per urban or rural detail respectively.
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
- 8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8). Roundabout Chevron panel (R6-4B), 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" (±).
- * 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.
- ** 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.
- *** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

URBAN AREA RURAL AREA (See Note 3) 2'Min - 4'Max (See Note 6) ₩E# FF# 6'-3"(±) 6'-3"(±) 7'-3"(±) ** Curb ********\ Flowline D **7000** White Edgeline D 11 White Edgeline, Location Outside Edae Location

2' Min - 4' Max (See Note 6) 6'-3"(±) Curb Flowline. -11

48" DIAMOND WARNING SIGN

HWY:

_ 26" 5 ' - 3 "(±) White Edgeline Location Outside Edge of Gravel 48" DIAMOND WARNING SIGN

COUNTY:

Outside Edge

of Gravel

	SIGN SHAPE OTHER THAN (TWO POSTS REQUIRED		
	L	E	
* * *	Greater than 48" Less than 60"	12"	
	60" to 120"	L/5	l

SIGN SHAPE OTHER THAN (THREE POSTS REQUIR	
L	E
Greater than 120" less than 168"	12"

SIGN SHAPE OTHER THAN (FOUR POSTS REQUIRE	
L	E
168" and greater	12"

POST EMBEDMENT DEPTH

of Gravel

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

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

Matther

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A44.DGN

PROJECT NO:

PLOT DATE: 23-JUL-2015 15:23

PLOT SCALE: 107.021305:1.000000

WISDOT/CADDS SHEET 42

PLOT NAME :

PLOT BY: mscj9h

WISCONSIN DEPT OF TRANSPORTATION APPROVED

For State Traffic Engineer

PLATE NO. 44-4.14 DATE 7/23/15



Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS
TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Nather R Raw
For State Traffic Engineer

DATE <u>8/11/16</u>

PLATE NO. <u>44-8.8</u>

PROJECT NO:

FILE NAME : C:\CAFfiles\Projects\tr stdplote\A48 DCN

PLOT DATE . 11-416-2016 11:35

PINT RY * \$\$ nintuser \$\$

SHEET NO:

| | |



PROJECT NO: HWY: COUNTY: SHEET NO: FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE: 05-FEB-2015 17:09 PLOT BY: mscsja PLOT NAME : PLOT SCALE: 13.659812:1.000000

DATE 2/05/15

PLATE NO. <u>A4-9.9</u>

For State Traffic Engineer

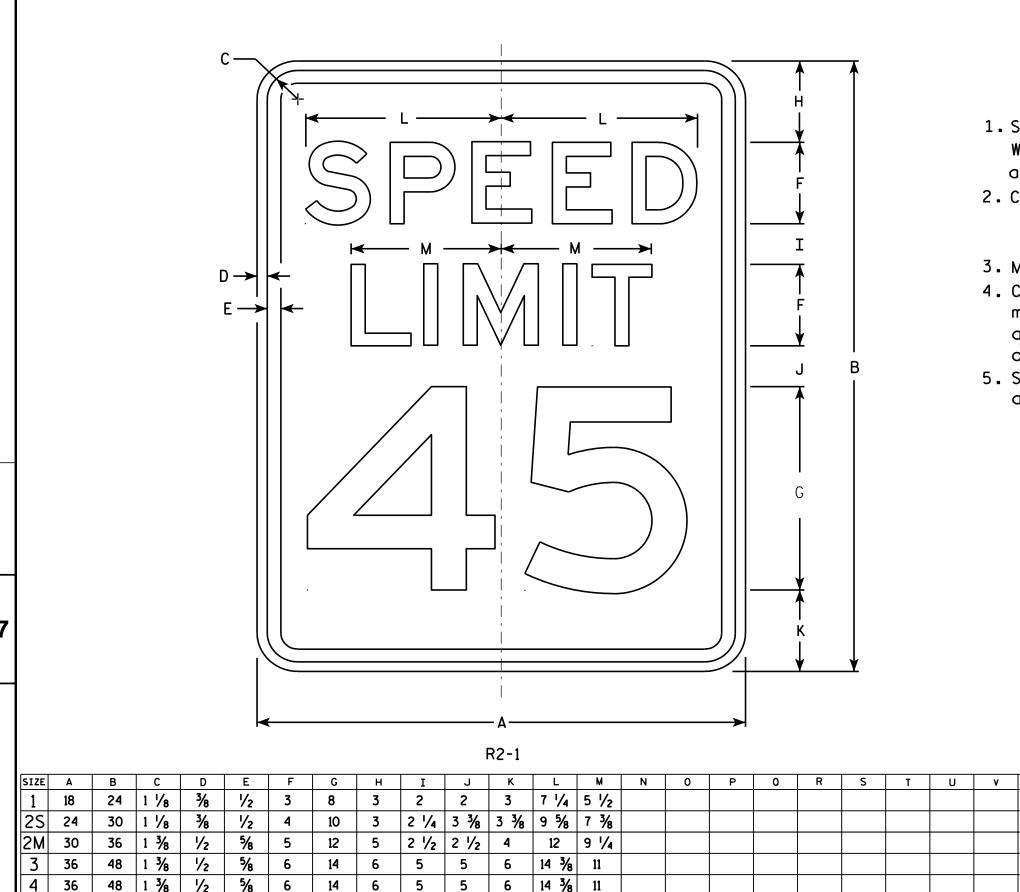


NOTES 1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. 2. Color: Background - Red Message - White 3. Message Series - C R1-1 SIZE A STANDARD SIGN 30 5/8 10 12 1/2 45° 12 3/4 5.18 2S 30 5/8 12 1/2 45° 12 3/4 10 5.18 R1-1 2M 36 3/4 12 15 45° 15 % 7.46 3/4 15 3/8 12 45° 36 15 7.46 WISCONSIN DEPT OF TRANSPORTATION 45° 20 1/2 48 16 20 13.25 APPROVED Matthew & Kauch 5 48 16 20 45° 20 1/2 13.25 3/8 7 3/4 45° 7 3/4 1.86 18 6 For State Traffic Engineer 12 1/4 4 45° 5 1/8 0.78 DATE <u>11/12/15</u> PLATE NO. _____R1-1.13 COUNTY: SHEET NO: PROJECT NO: HWY: PLOT SCALE • 4 378143•1 000000

FILE NAME · C·\CAFfiles\Projects\tr stdplote\R11 DGN

PLOT DATE . 01-DEC-2015 18:07

PINT RY . \$\$ plotuser \$\$ PINT NAMF :



4 1/2 6 3/4 6 3/4 19 1/4 14 5/8

COUNTY:

20

HWY:

6

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 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 PLATE NO. R2-1.13

DATE <u>5/26/1</u>0

SHEET NO:

2 1/4

60

5

48

PROJECT NO:

PLOT NAME :

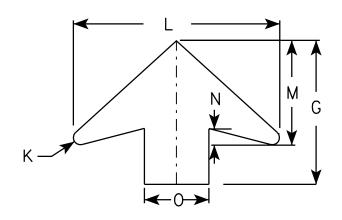
00 S3-1

NOTES

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

Background - YELLOW-GREEN Message - BLACK except as noted Circles except PEDS- RED BACKGROUND

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.



RROW	DFTAII

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	30		1 3/8	1/2	5/8	6 1/4	11 1/4	12 1/2	5 1/4	5 ½	1/2	16	8	1 1/4	5	1 1/2		6 %	5 %	10 %							6.25
2	36		1 %	5/8	₹4	7 1/2	13 1/2	15 1/8	6 1/4	6 1/2	5/8	19 1/4	9 3/4	1 %	6	1 1/8		7 1/8	6 3/8	12 3/8							9.0
3	48		2 1/4	3/4	1	10	17 1/8	20 1/8	8 %	8 3/4	7 ⁄8	25 %	13	2	8	2 1/2		10 1/2	8 1/2	16 1/2							16.0
4	48		2 1/4	₹4	1	10	17 1/8	20 1/8	8 %	8 ¾	1 / ₈	25 %	13	2	8	2 1/2		10 1/2	8 1/2	16 1/2							16.0
5																											

STANDARD SIGN S3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

for State Traffic Engineer DATE <u>6/8/10</u>

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\S31.DGN

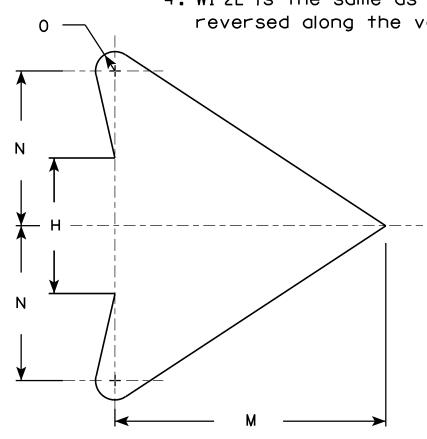
PROJECT NO:

PLATE NO. <u>\$3-1.6</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.
- 4. W1-2L is the same as W1-2R except the arrow is reversed along the vertical centerline.



	W1-2R A B C D E F G H I J K L M N O P O R S T U V W 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															DLIA	<u></u>										
SIZE	Α	В	С	D	E	F	G	н	I	J	К	L	M	N	0	Р	0	R	S	Т	U	v	W	×	Y	Z	Area 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
25	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 %	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 5/8	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 5/8	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
5	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0
					•	·		•	•									•					•				•

COUNTY:

STANDARD SIGN W1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch For State Traffic Engineer

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

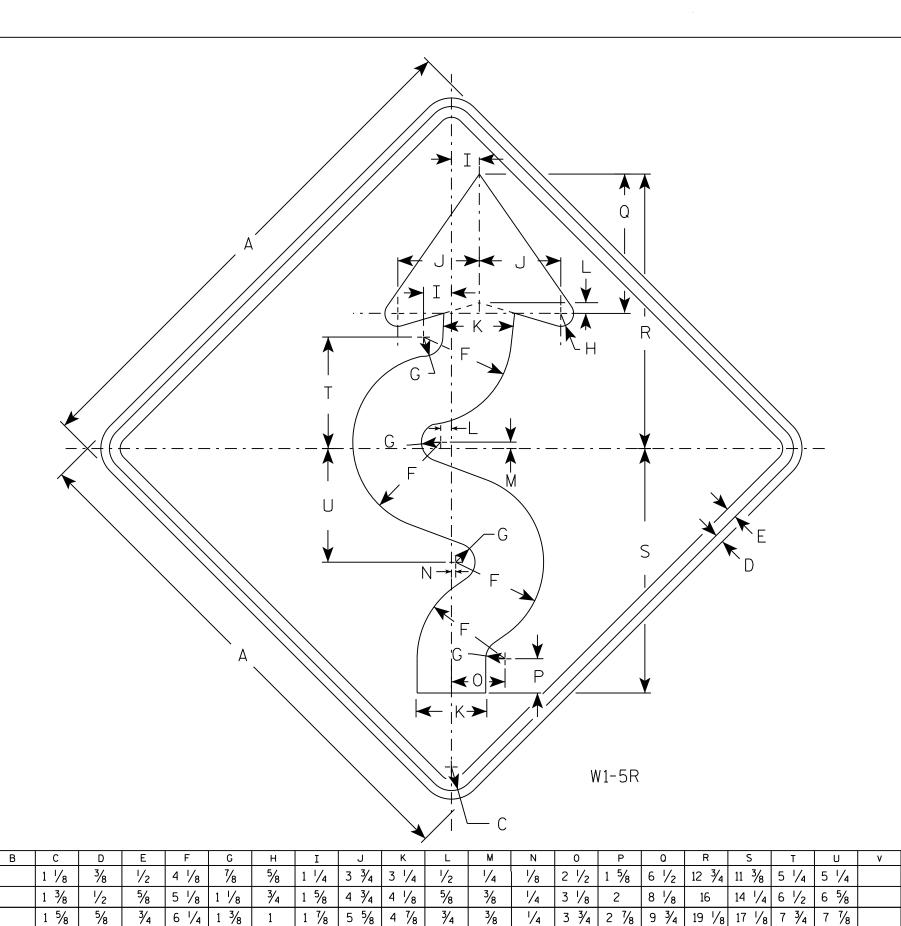
PLATE NO. W1-2.10

SHEET NO:

PROJECT NO:

← H →

HWY:



- 1. Sign is Type II Type F Reflective
- 2. Color:

Background - Yellow Message - Black

- 3. W1-5L is the same as W1-5R except the arrow is reversed along the vertical centerline.
- 4. If used with W13-1 of 30 MPH or less, use 36" sign for Size 2S.

4.0

6.25

9.0

9.0

9.0

16.0

W1 - 5

WISCONSIN DEPT OF TRANSPORTATION

STANDARD SIGN

APPROVED

DATE <u>8/1/16</u>

PLATE NO. <u>W1-5.9</u>

PROJECT NO: FILE NAME . C.\CAFfiles\Projects\tr stdolote\W15 DCN

1 %

2 1/4

3/4

6 1/4

6 1/4

8 1/4

1 3/8

1 3/4

1 1/4

HWY:

5 %

5 %

2 1/2 7 1/2 6 1/2

4 1/8

3/4

SIZE A

24

30

36

36

36

48

COUNTY:

3 3/4

3 3/4

2 1/8

2 1/8

3/8

1/2

PLOT DATE . 01-410-2016 09:34

| 19 1/8 | 17 1/8 | 7 3/4 | 7 3/8

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

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

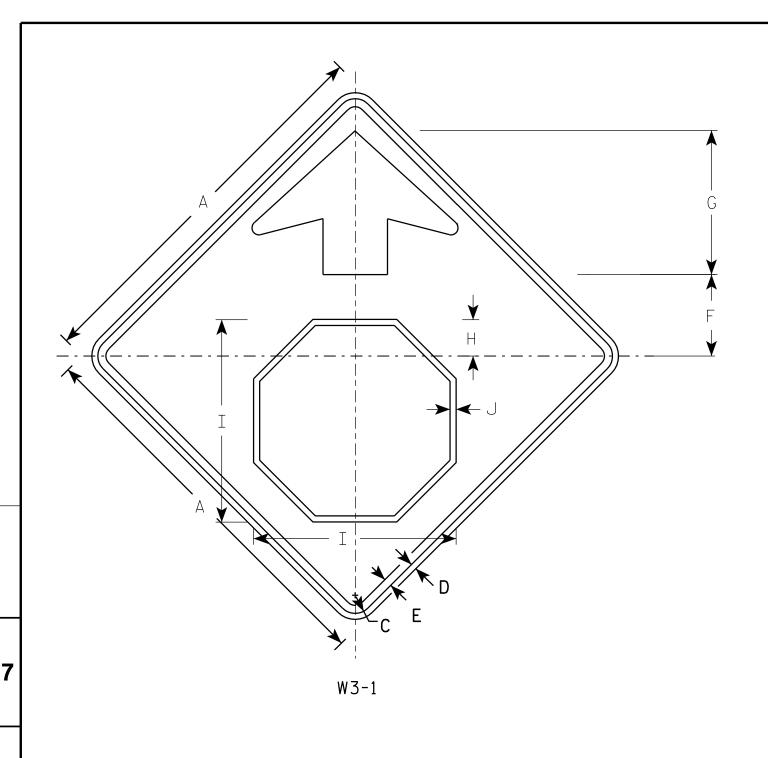
9 3/4

9 3/4

PINT RY . \$\$ DIOTUSER \$\$ PINT NAMF :

PLOT SCALE . 5 594294.1 000000

SHEET NO:

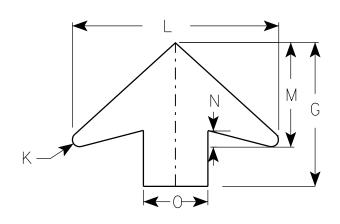


- 1. All Signs Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - YELLOW

Arrow & Border - BLACK

Stop Symbol - WHITE BORDER ON RED BACKGROUND



ARROW	DFTAII
$\neg \cdots $	

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Ρ	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	6 1/4	11 1/4	2 1/8	15 ¾	1/2	1/2	16	8	1 1/4	5												6.25
2S	36		1 %	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 %	6												9.0
2M	36		1 %	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 %	6												9.0
3	36		1 1/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 %	6												9.0
4	48		2 1/4	3/4	1	10	17 1/8	4 1/2	25 1/8	3/4	7 ⁄8	25 %	13	2	8												16.0
5	48		2 1/4	3/4	1	10	17 1/8	4 1/2	25 1/8	₹4	7 /8	25 %	13	2	8												16.0

STANDARD SIGN W3-1

WISCONSIN DEPT OF TRANSPORTATION

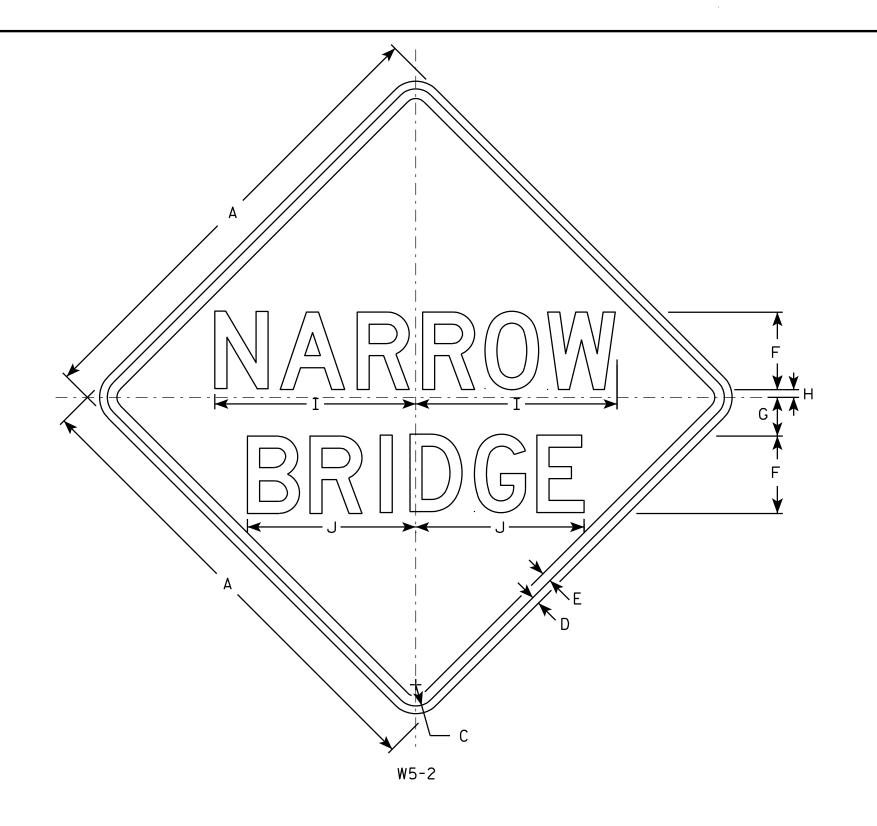
APPROVED Matthew

For State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-1.12

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 - 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

for State Traffic Engineer DATE 03/12/13 PLATE NO. W5-2.8

SHEET NO:

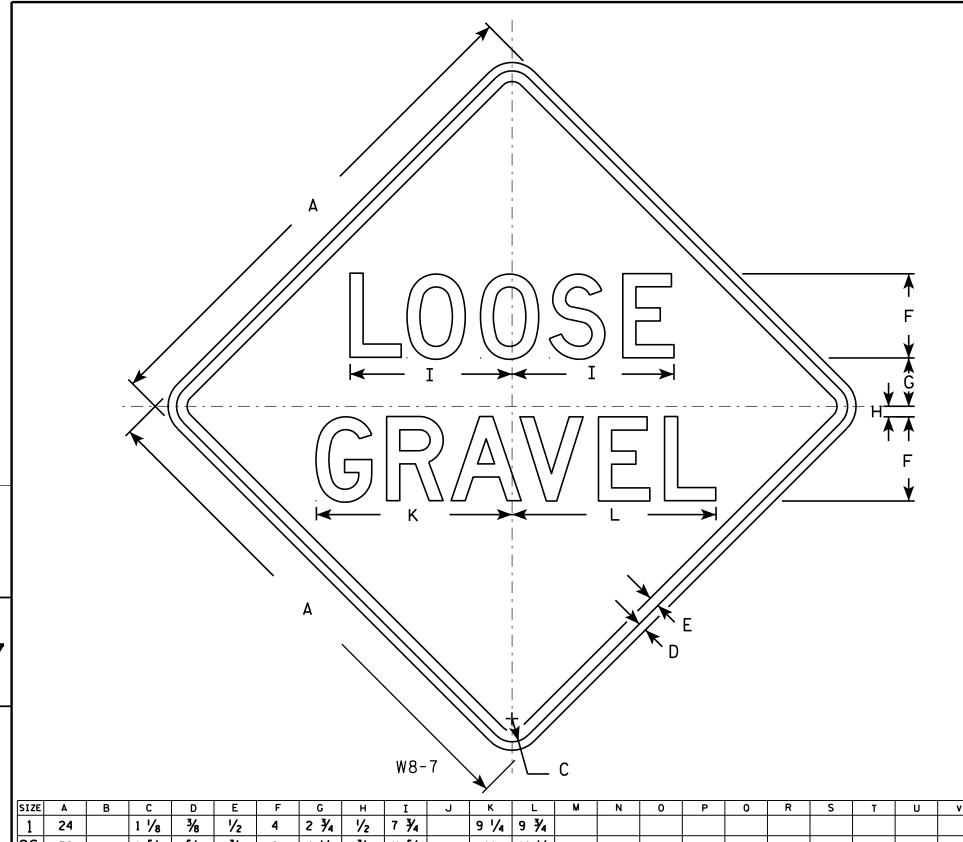
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W52.DGN

PLOT DATE: 12-MAR-2013 13:50

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE : 6.202372:1.000000



- 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.

Areg sq. ft. 4.0 2S 1 5/8 3/4 4 1/8 3/₄ 11 5/₈ 5/8 36 14 14 1/2 9.0 2M 1 5/8 3/4 4 1/8 3/₄ 11 5/₈ 5/8 36 14 1/2 9.0 3 36 1 1/8 5/8 3/4 4 1/8 3/₄ | 11 5/₈ 14 1/2 9.0 14 ₹4 4 1 % 5/8 4 1/8 3/₄ | 11 5/₈ 14 1/2 36 14 9.0 5 5 1/2 18 % 19 % 3/4 48 2 1/4 15 1/2 16.0

COUNTY:

STANDARD SIGN W8 - 7

WISCONSIN DEPT OF TRANSPORTATION

Matther R Rauch State Traffic Engineer
/12 PLATE NO. W8-7.7 DATE 5/30/12

SHEET NO:

PLOT DATE: 30-MAY-2012 13:41 PLOT NAME : PLOT BY: mscj9h

PROJECT NO:

HWY:

<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 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.

~	В	L	D		Г	G	п	1	J	N.	_ L	M	N	U	٢	U	R	>	ı	U	V	W		T		sq. ft.
24		1 1/8	3∕8	1/2	4	2 3/8	6 1/8	10 3/4																		4.0
30		1 3/8	1/2	5/8	5	3	7 3/4	13 3/8																		6.25
36		1 %	5/8	3/4	6	3 1/2	9 1/4	16																		9.0
36		1 %	5/8	₹4	6	3 1/2	9 1/4	16																		9.0
48		2 1/4	₹4	1	8	5	12 %	21 1/4																		16.0
3	30 36 36	24 30 36 6	1 ½ 1 ½ 30 1 ¾ 6 1 ½ 1 ½	1 1/8 3/8 30 1 3/8 1/2 36 1 5/8 5/8 46 1 5/8 5/8	1 1/8 3/8 1/2 30 1 3/8 1/2 5/8 46 1 5/8 5/8 3/4 1 5/8 5/8 3/4	1 ½ 3/8 ½ 4 1 ¾ ½ 5 1 ¾ ½ 5 1 ½ ½ 5 1 ½ ½ 5 1 ½ ½ 4 6 1 ½ ½ 1 ½ ½ ¾ 6 1 ½ ½	1 1/8 3/8 1/2 4 2 3/8 1 3/8 1/2 5/8 5 3 1 3/8 1/2 5/8 5 3 1 5/8 5/8 3/4 6 3 1/2 1 5/8 5/8 3/4 6 3 1/2	1 1/8 3/8 1/2 4 2 3/8 6 1/8 1 3/8 1/2 5/8 5 3 7 3/4 1 5/8 5/8 3/4 6 3 1/2 9 1/4 1 5/8 5/8 3/4 6 3 1/2 9 1/4 1 5/8 5/8 3/4 6 3 1/2 9 1/4	1 1/8 3/8 1/2 4 2 3/8 6 1/8 10 3/4 10 1 3/8 1/2 5/8 5 3 7 3/4 13 3/8 16 1 5/8 5/8 3/4 6 3 1/2 9 1/4 16 15/8 5/8 3/4 6 3 1/2 9 1/4 16	1 1/8 3/8 1/2 4 2 3/8 6 1/8 10 3/4 10 1 3/8 1/2 5/8 5 3 7 3/4 13 3/8 16 1 5/8 5/8 3/4 6 3 1/2 9 1/4 16 1 5/8 5/8 3/4 6 3 1/2 9 1/4 16	1 1/8 3/8 1/2 4 2 3/8 6 1/8 10 3/4 10 1 3/8 1/2 5/8 5 3 7 3/4 13 3/8 16 1 5/8 5/8 3/4 6 3 1/2 9 1/4 16 1 5/8 5/8 3/4 6 3 1/2 9 1/4 16	1 1/8 3/8 1/2 4 2 3/8 6 1/8 10 3/4 10 1 3/8 1/2 5/8 5 3 7 3/4 13 3/8 16 1 5/8 5/8 3/4 6 3 1/2 9 1/4 16 1 5/8 5/8 3/4 6 3 1/2 9 1/4 16	24	1 1/8 3/8 1/2 4 2 3/8 6 1/8 10 3/4 30 1 3/8 1/2 5/8 5 3 7 3/4 13 3/8 36 1 5/8 5/8 3/4 6 3 1/2 9 1/4 16 6 1 5/8 5/8 3/4 6 3 1/2 9 1/4 16	24	24	24	24	24	24	24	24	24	24	24	24

COUNTY:

STANDARD SIGN W11-15A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R
For State Traffic Engineer

DATE 12/21/10 PLATE NO. W11-15A.1

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W1115A.DGN

PROJECT NO:

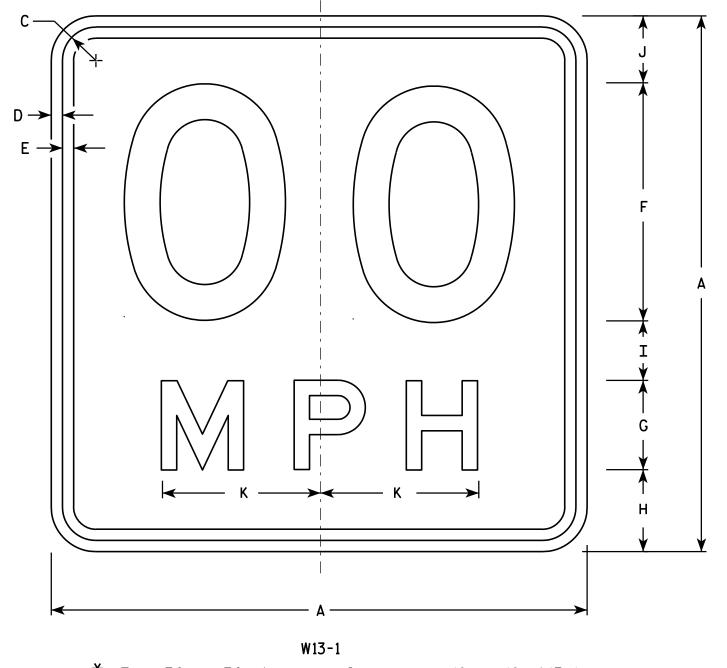
HWY:

PLOT DATE: 05-JAN-2011 08:51

PLOT BY : ditjph

PLOT NAME :

PLOT SCALE: 6.281820:1.000000



- 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 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	A	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	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 & Ram

 f_{or} State Traffic Engineer S1/12 PLATE NO. W13-1.16

DATE <u>5/31/12</u>

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W131.DGN

PLOT DATE: 31-MAY-2012 10:57

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 3.225232:1.000000



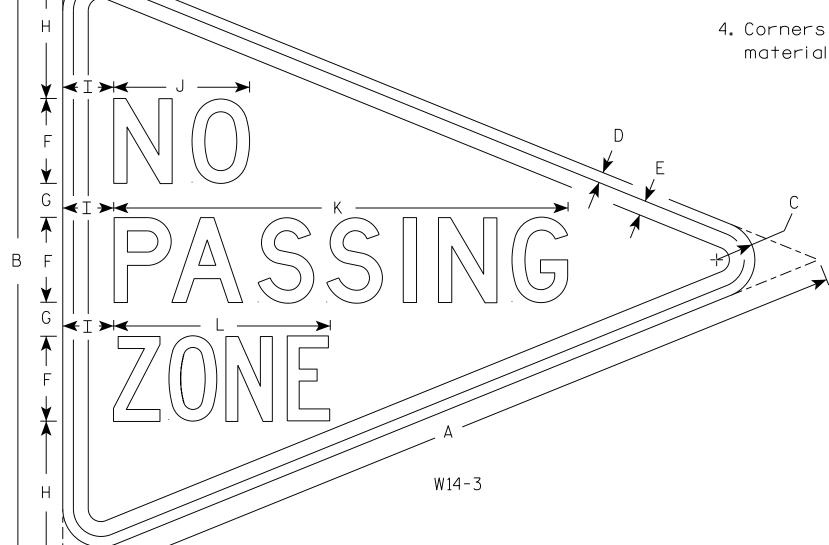
- 1. Sign is Type II Type F Reflective
- 2. Color:

Background - Yellow

Message – Black

3. Message Series - Lines 1 and 2 are Series D. Line 3 is series C.

4. Corners and borders shall be rounded on all base materials for this sign.



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																											
2S	48	36	2 1/4	5/8	<i>7</i> ⁄8	5	2	8 ½	3	8	26 ¾	12 3/4															5 . 56
2M																											
3																											
4																											
5																											
PROJECT NO: HWY:										COL	INTY:																

STANDARD SIGN W14-3

WISCONSIN DEPT OF TRANSPORTATION

500 3/21/17

E 3/21/17 PLATE NO. W14-3

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W143.DGN

PLOT DATE: 21-MAR-2017 08:48

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

PLOT SCALE: 5.650195:1.000000



FILE NAME . C.\CAFfiles\Projects\tr stdolote\W201 DCN

PLOT DATE . 01-DEC-2015 18.24

PIOT RY * \$\$ plotuser \$\$



- 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
- 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.

A
TRUCK H H H H H H H H H H H H H H H H H H H
W54-57 C

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 3/8	1/2	5/8	5	3 1/2	8 1/8	12 1/2	12 1/8																	6.25
2M	36		1 %	5/8	3/4	6	4 1/4	9 %	15	15 ¾																	9.00
3	36		1 %	5/8	₹4	6	4 1/4	9 %	15	15 ¾																	9.00
4	48		2 1/4	3/4	1	8	5 1/2	13	20	20 %																	16.00
5																											

COUNTY:

STANDARD SIGN W54-57

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew & Ray

3/13 PLATE NO. W54-57.9

DATE 3/13/13 PLATE NO.

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W5457.DGN

HWY:

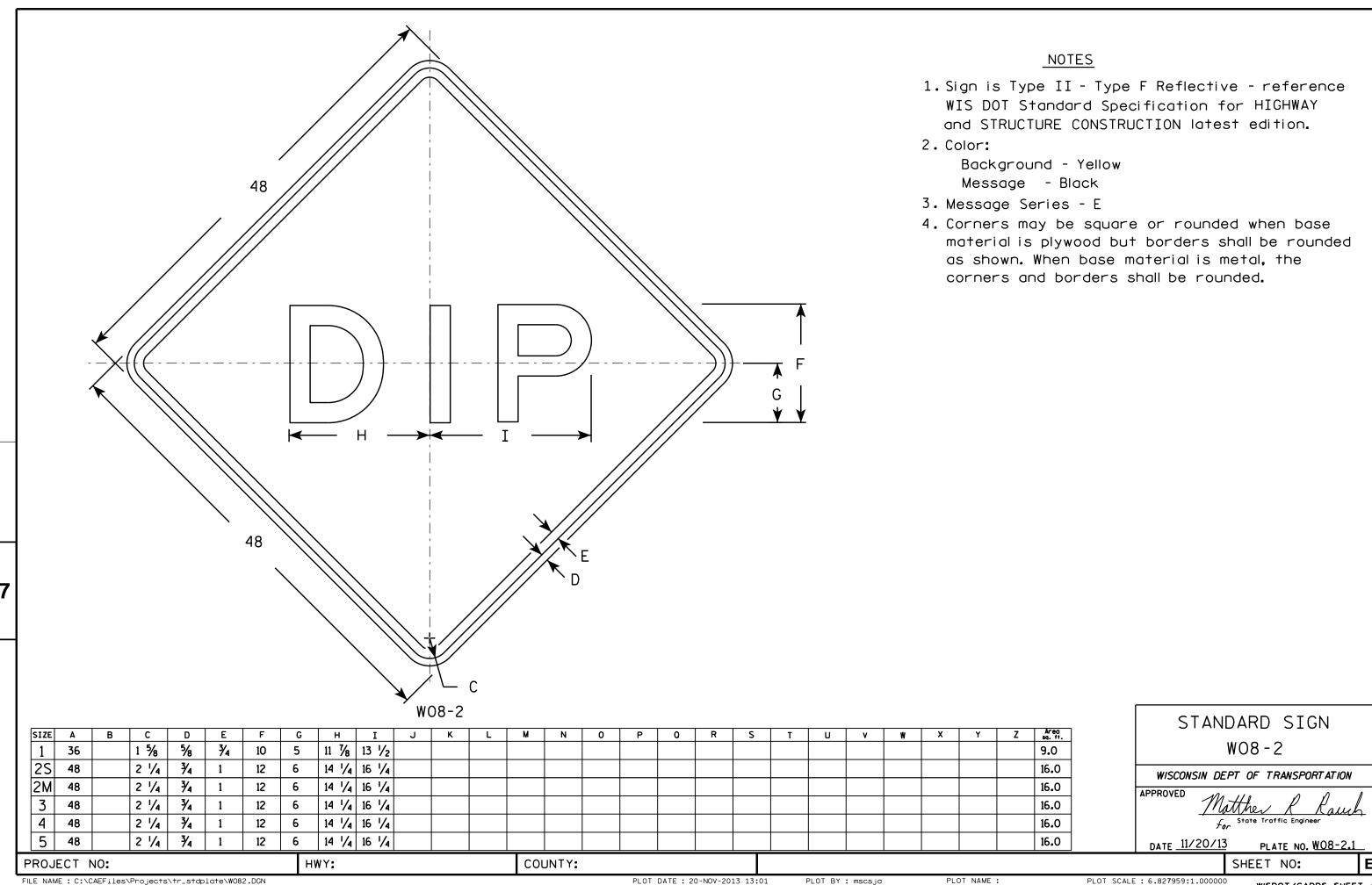
PROJECT NO:

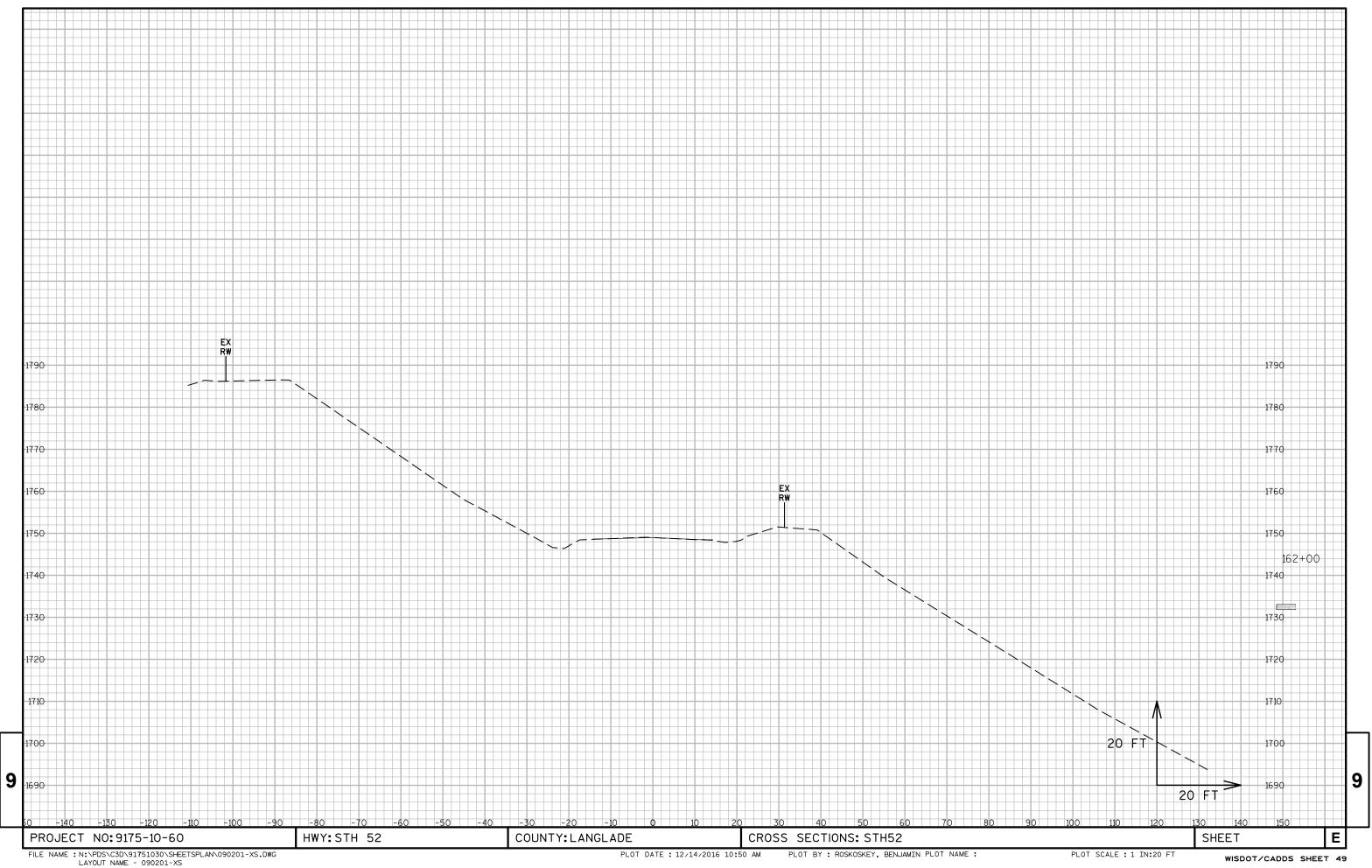
PLOT DATE: 27-APR-2016 10:05

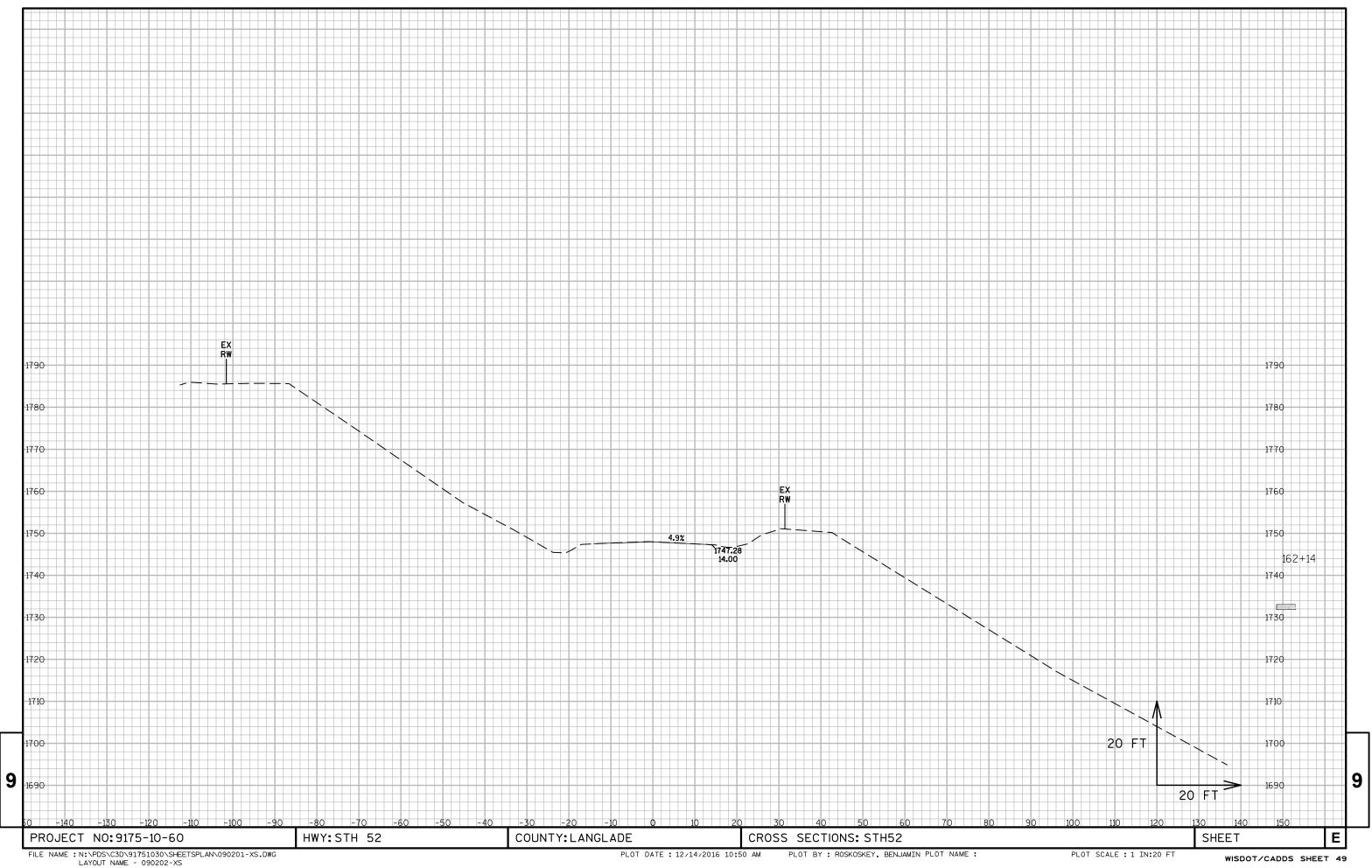
PLOT NAME :

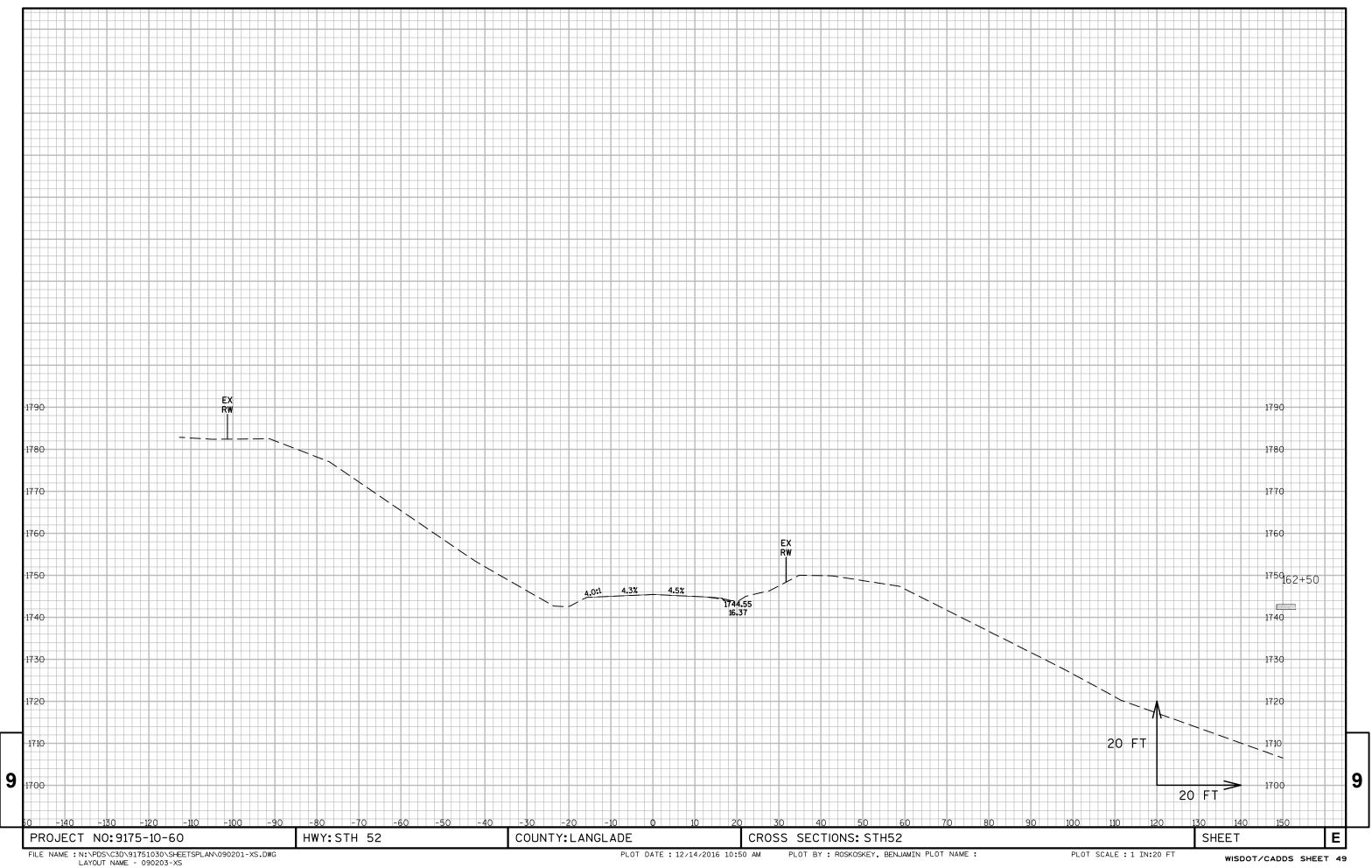
PLOT BY: mscj9h

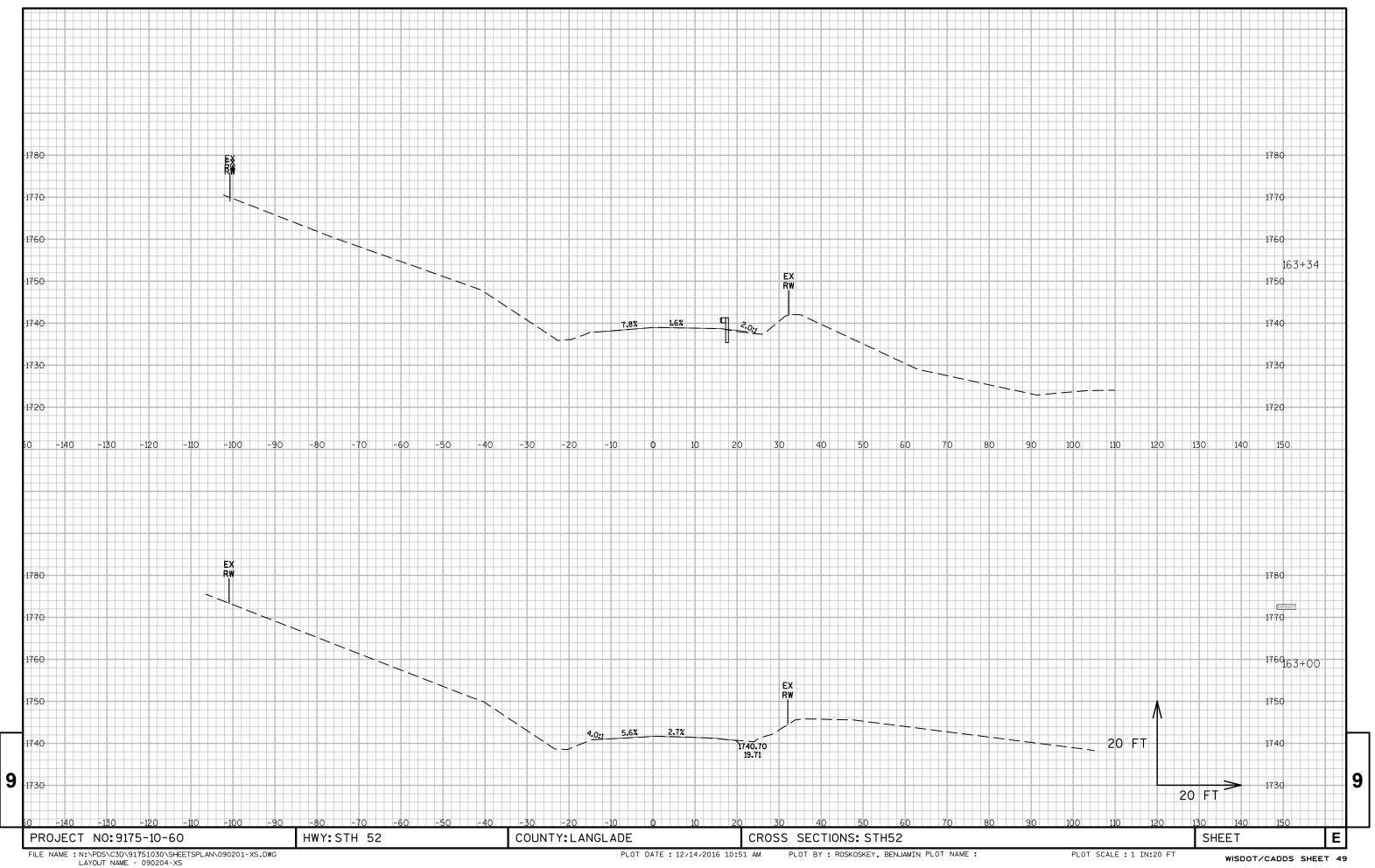
PLOT SCALE: 5.594294:1.000000

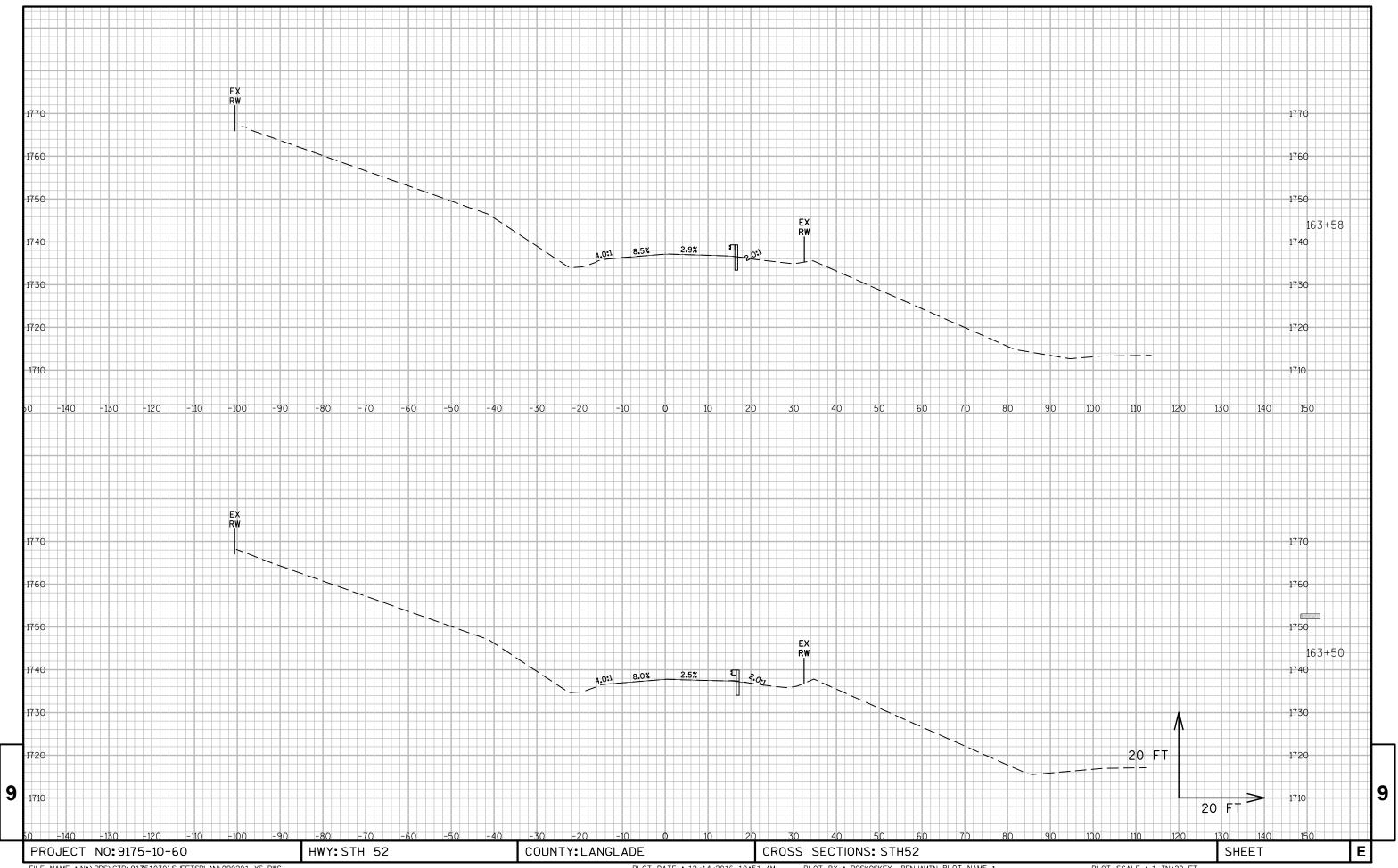


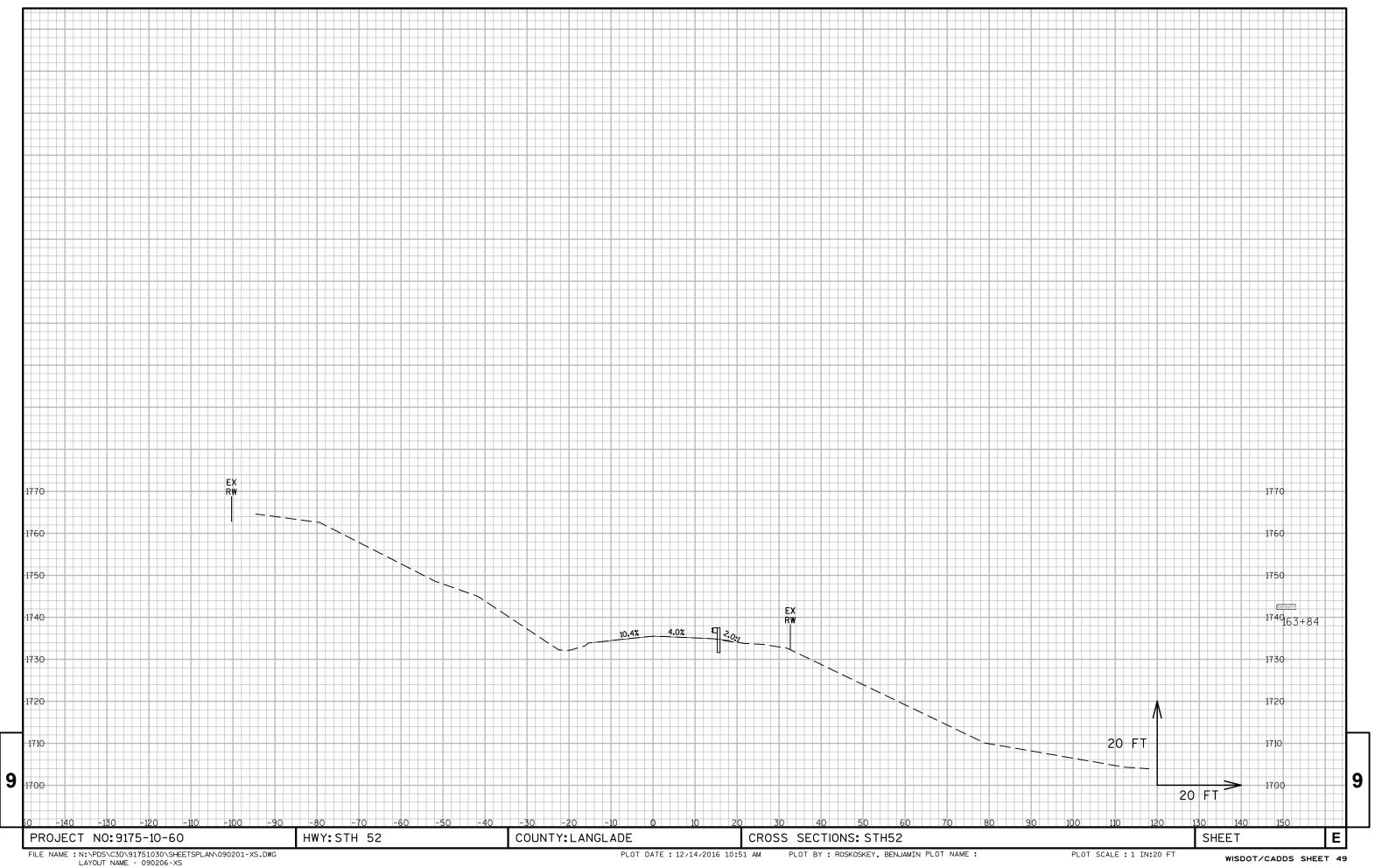


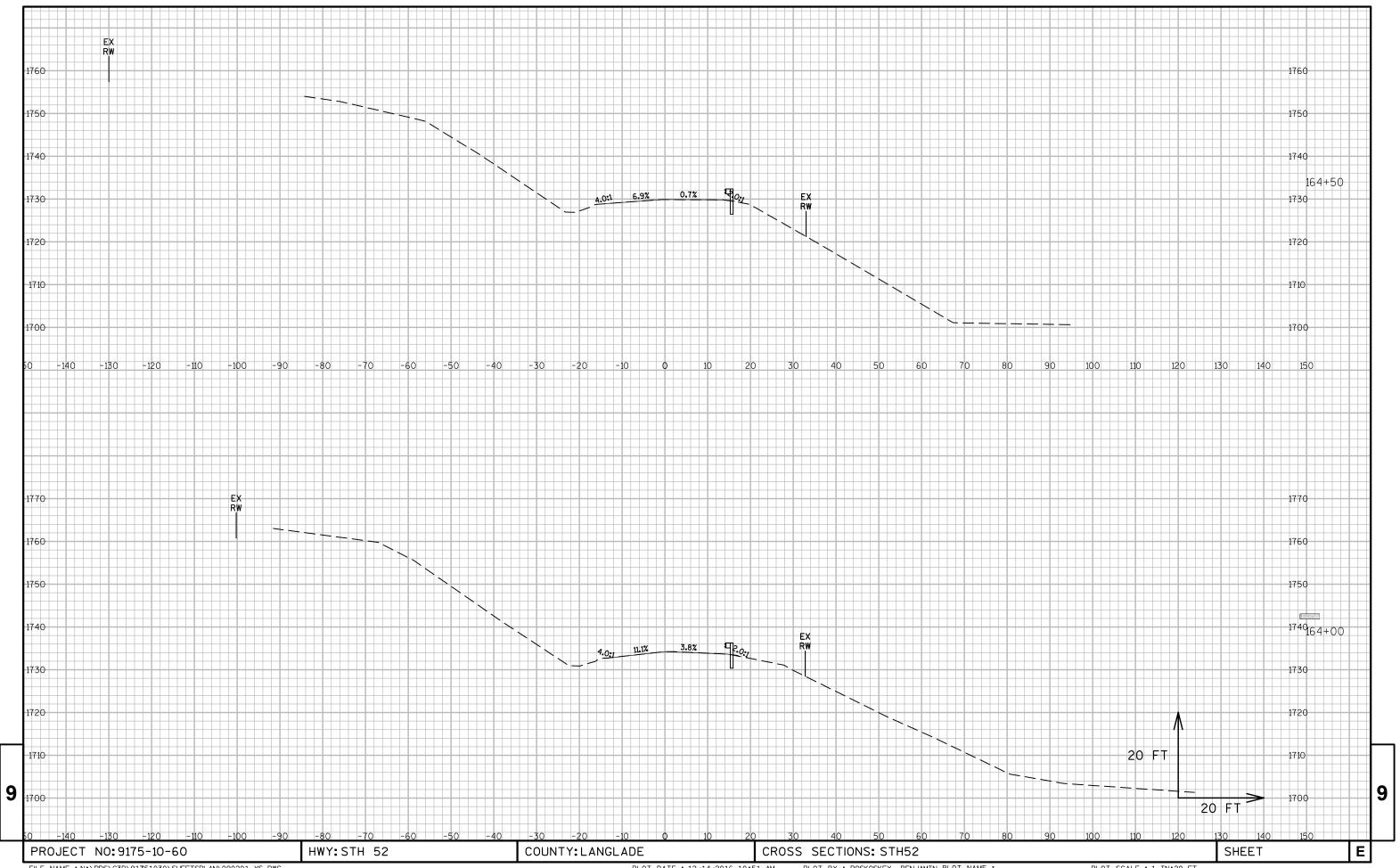


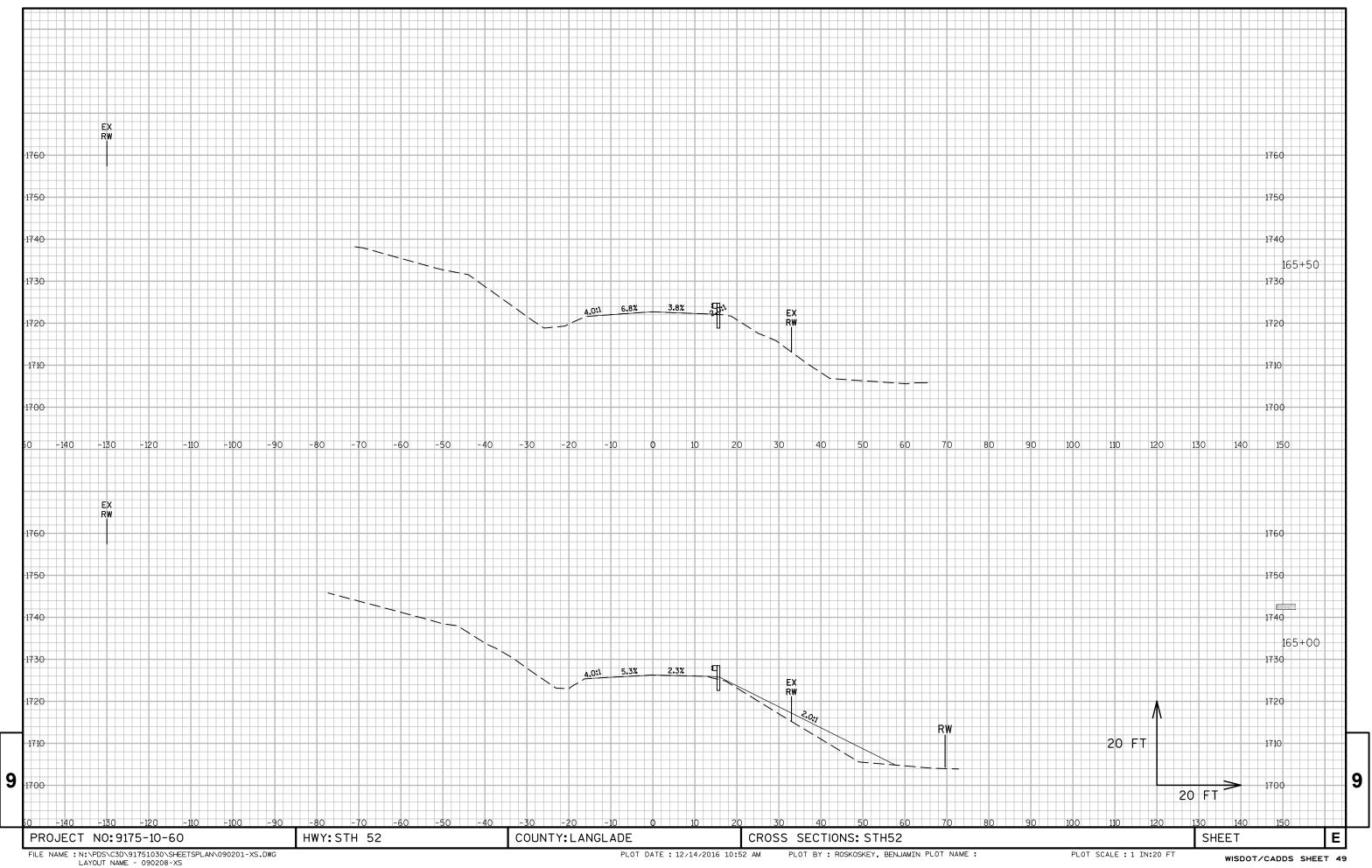


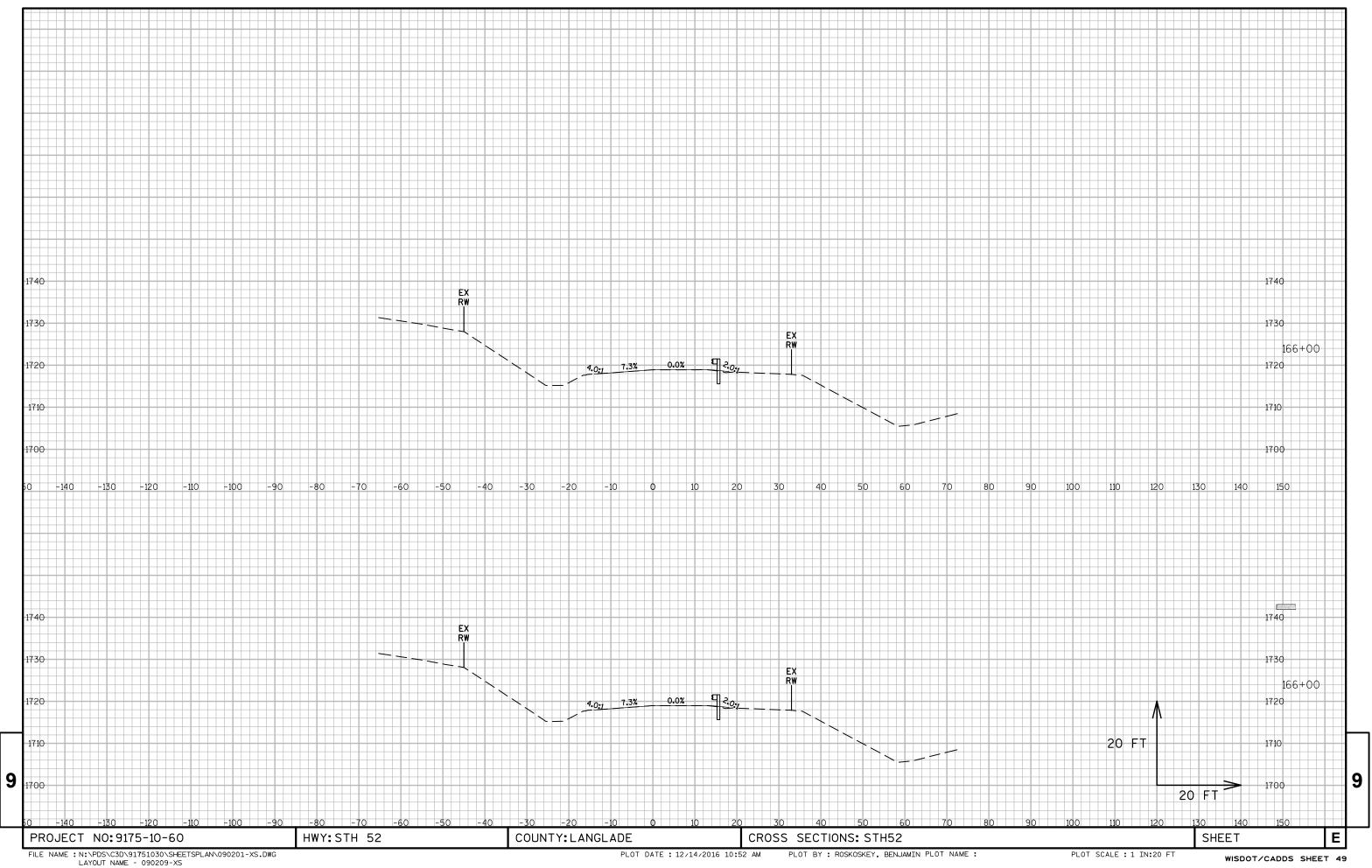


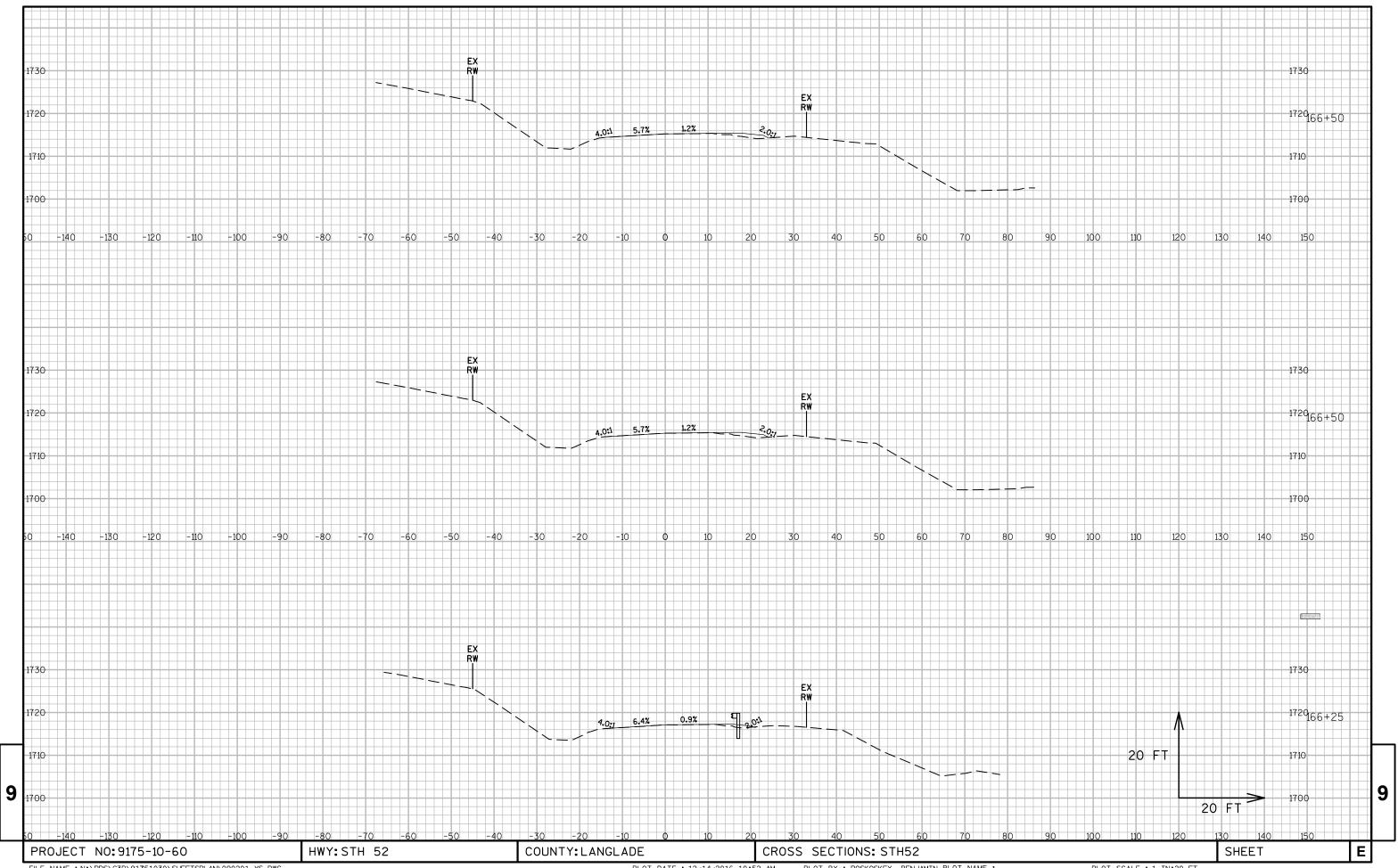


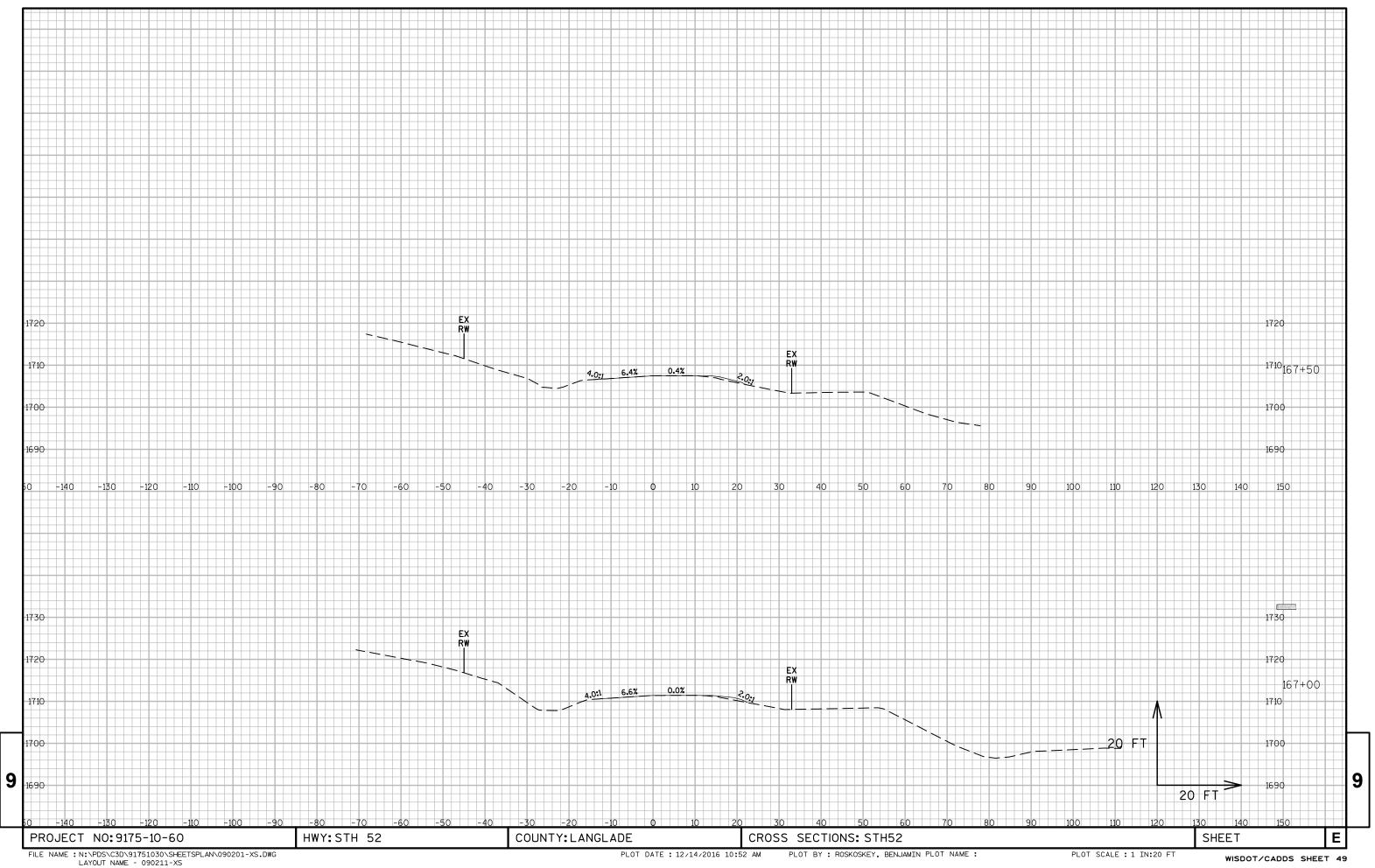


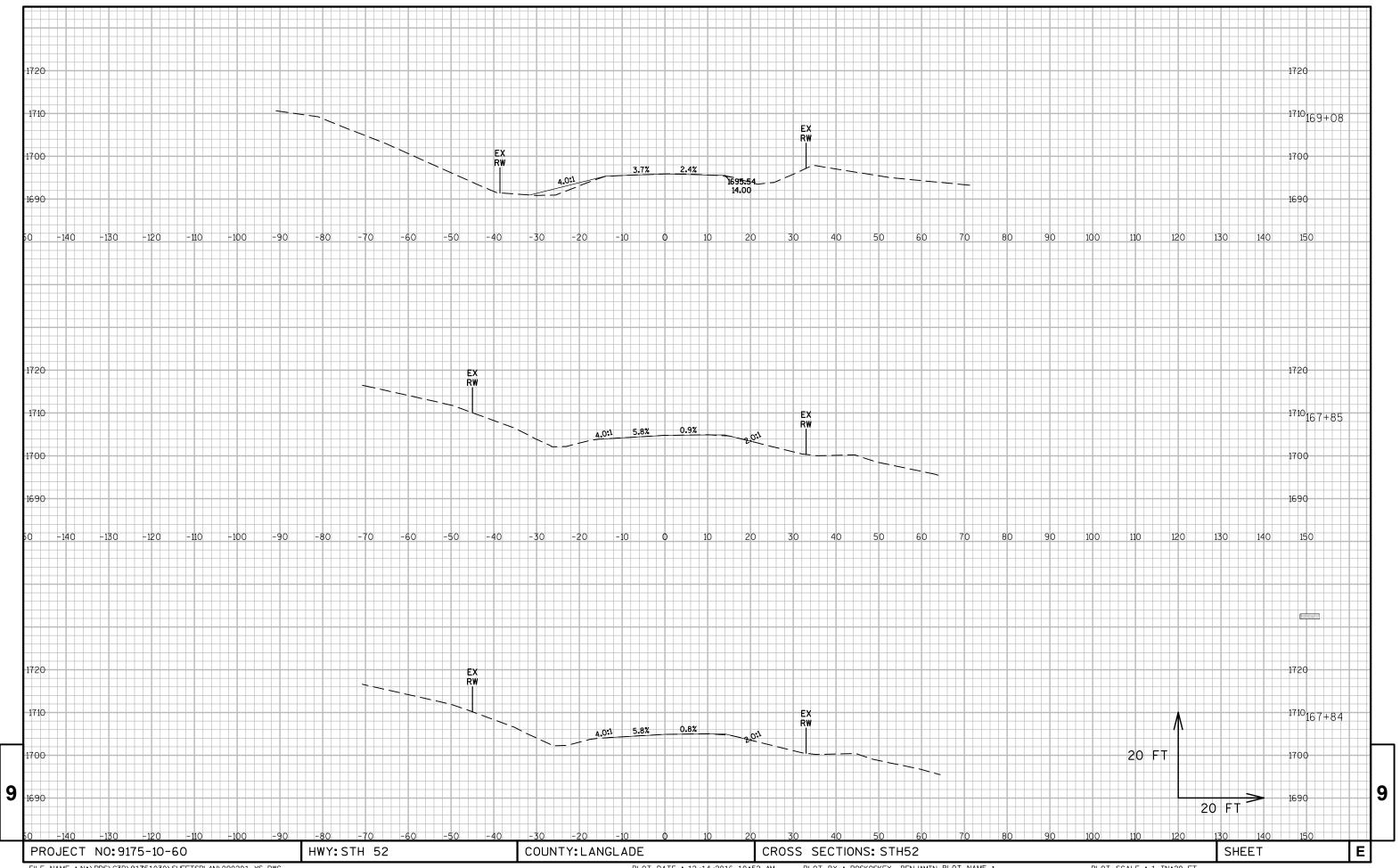


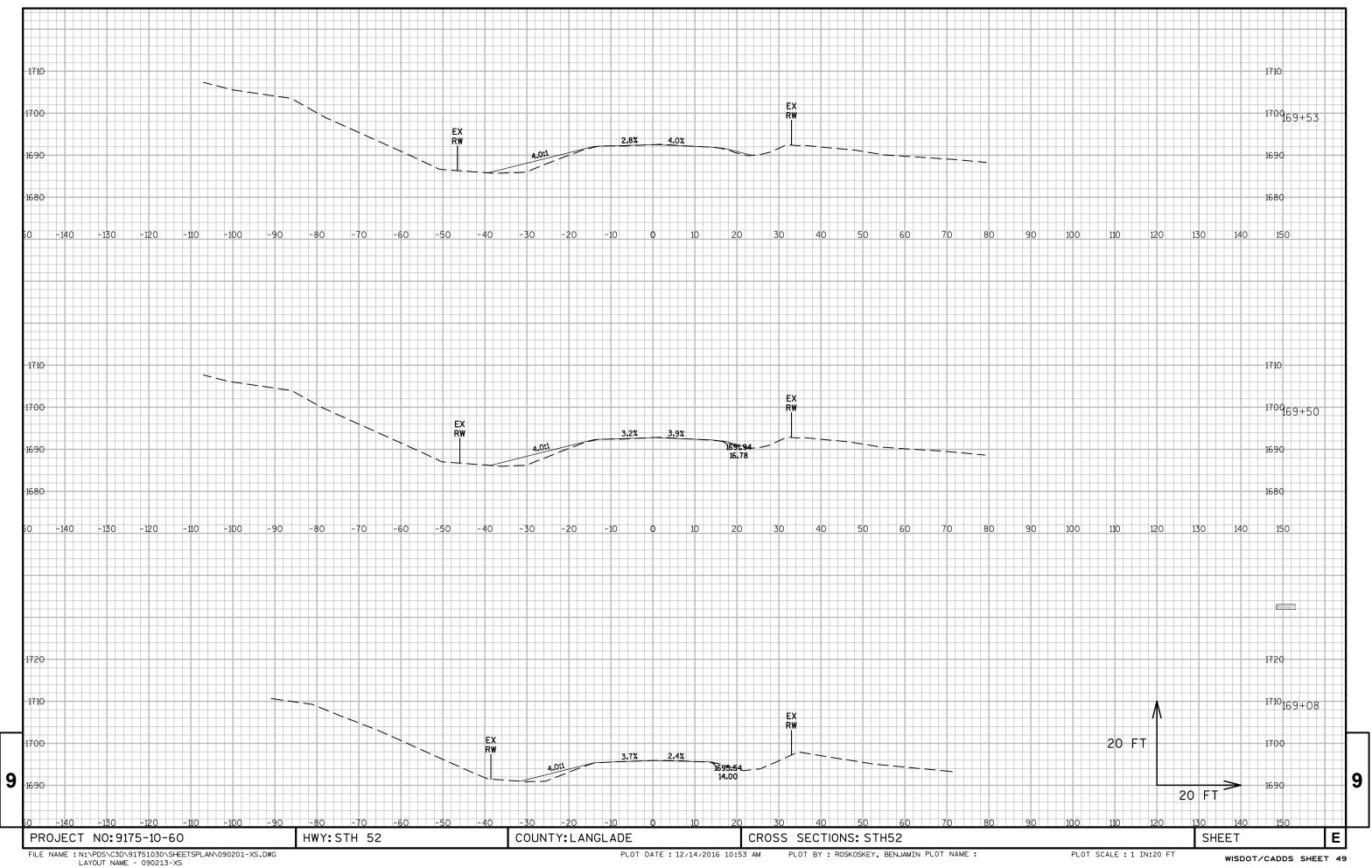


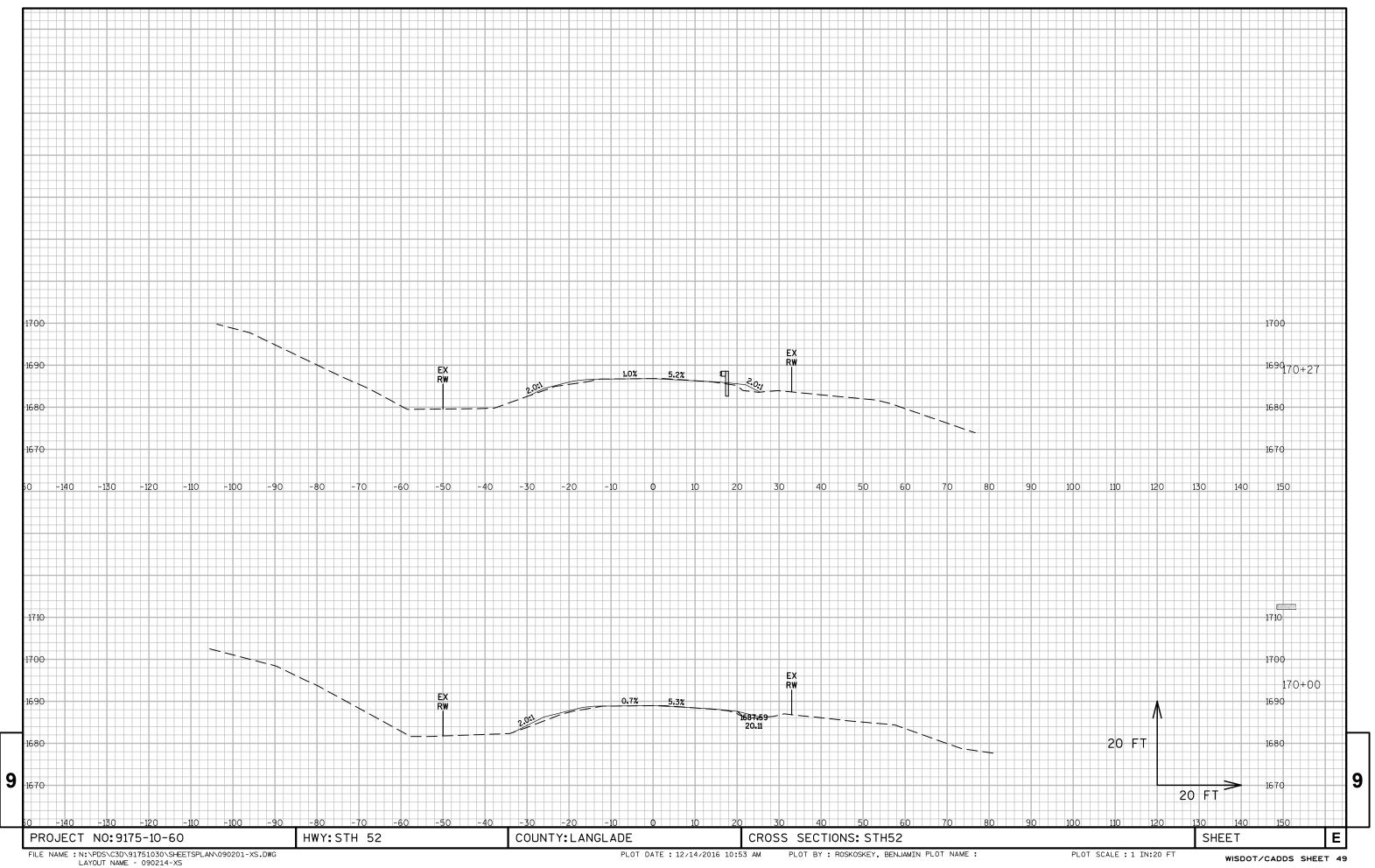


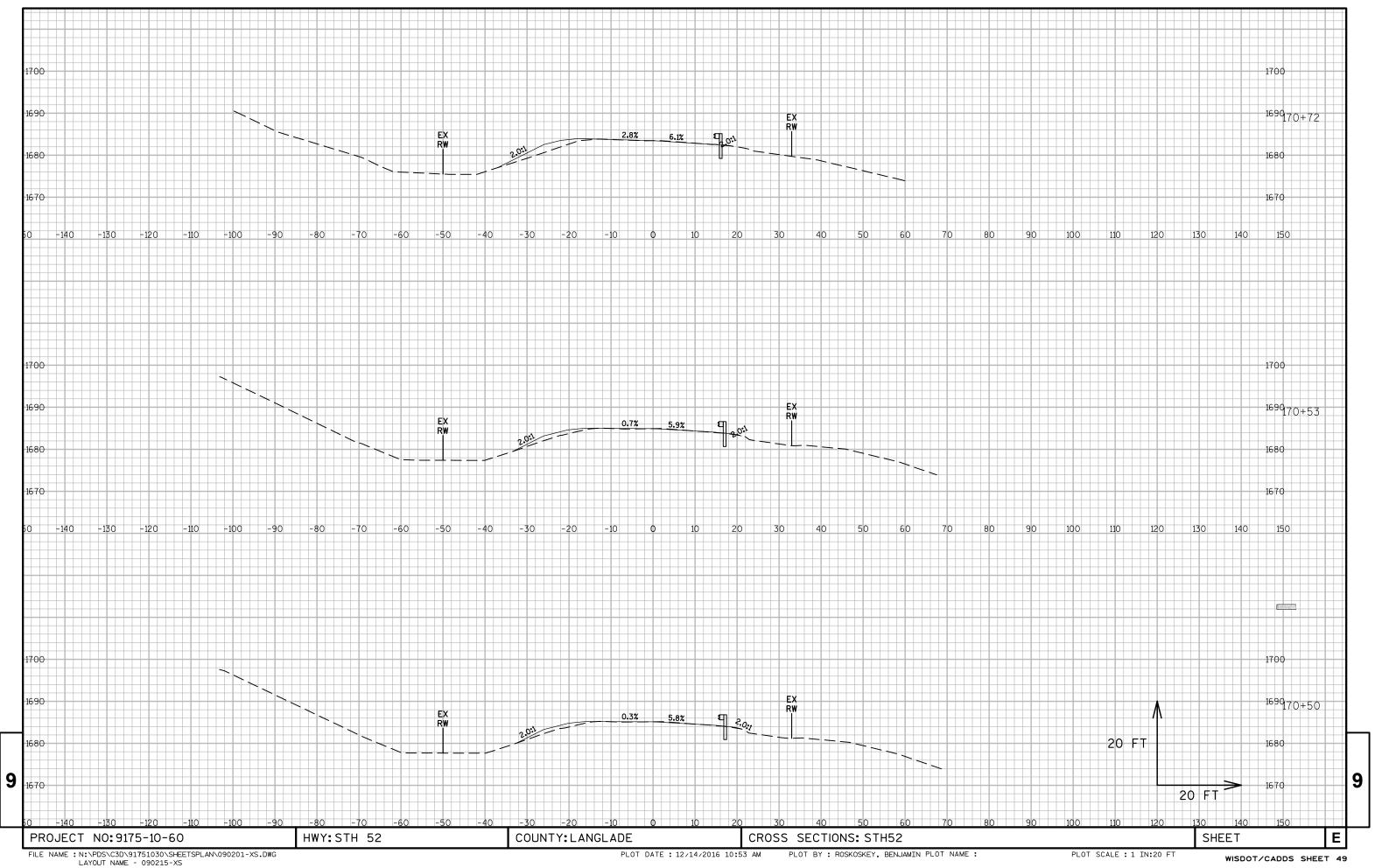


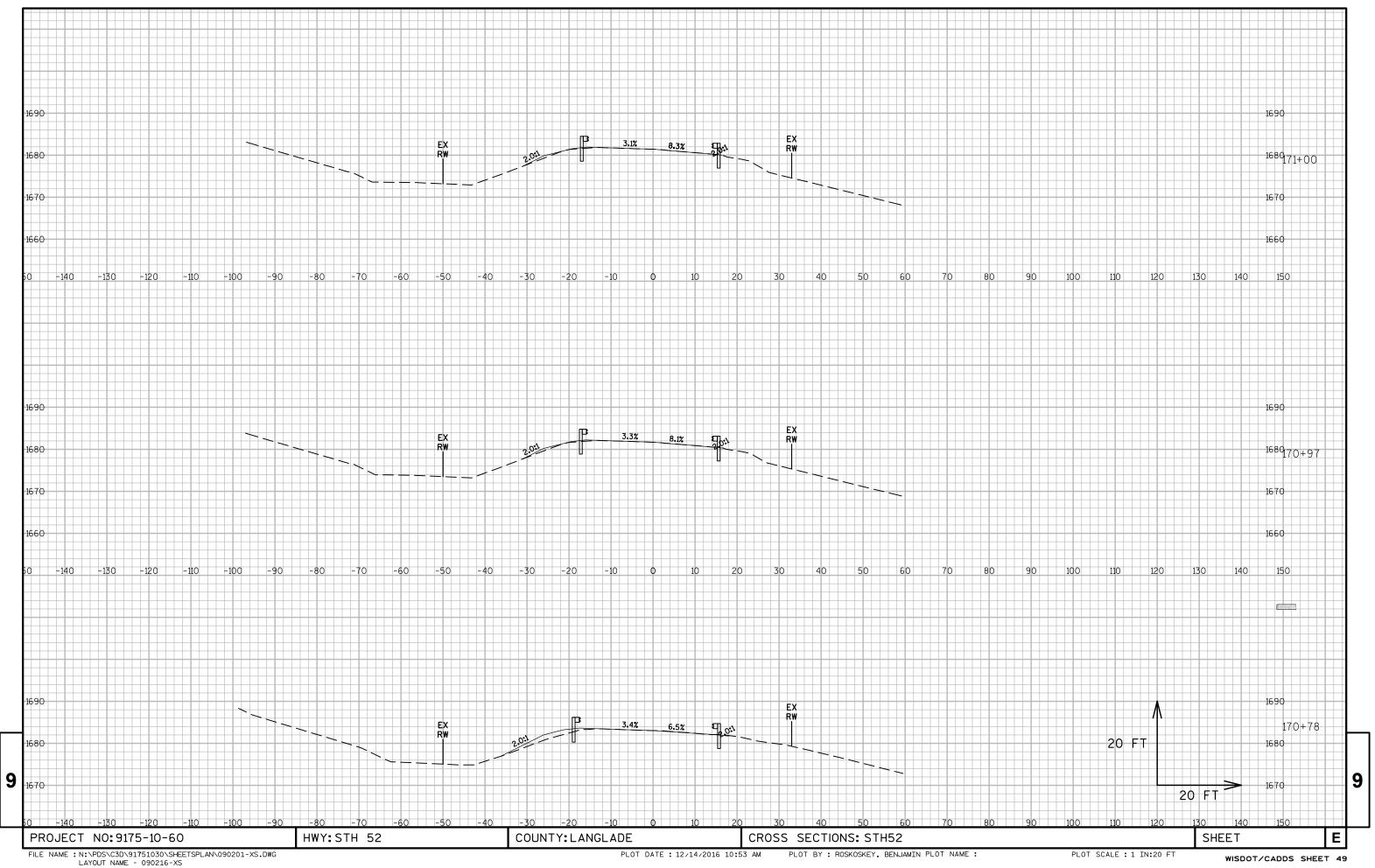


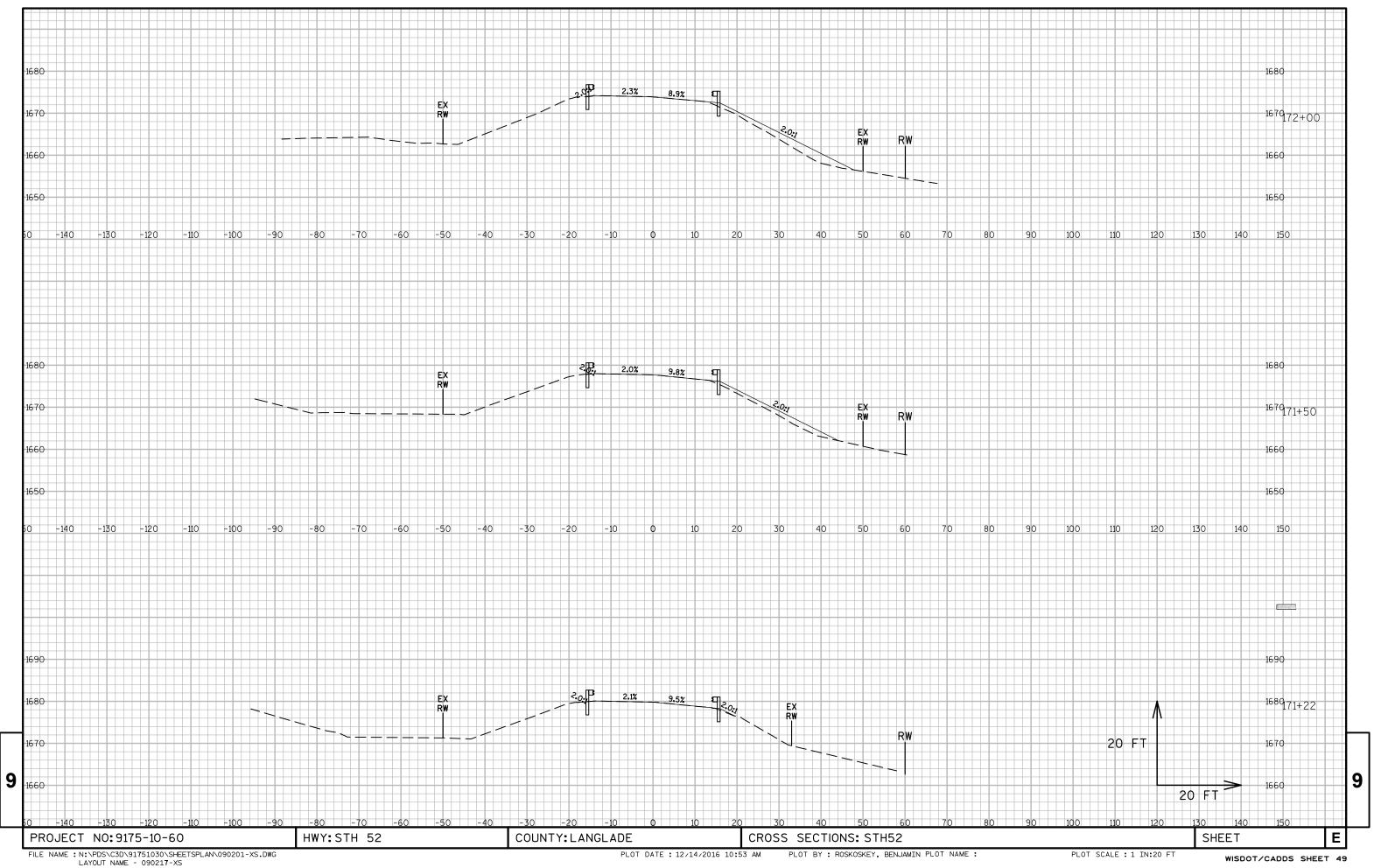


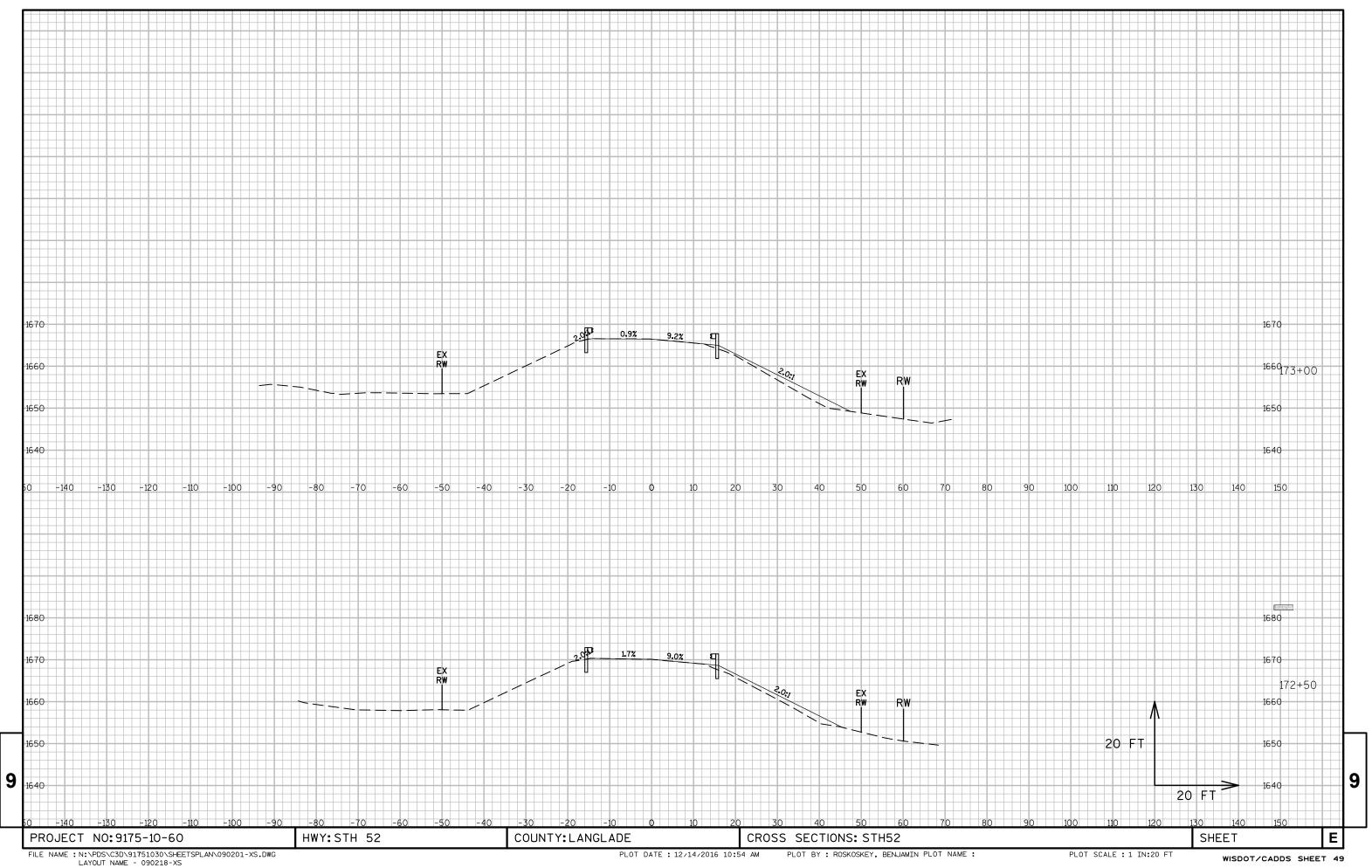


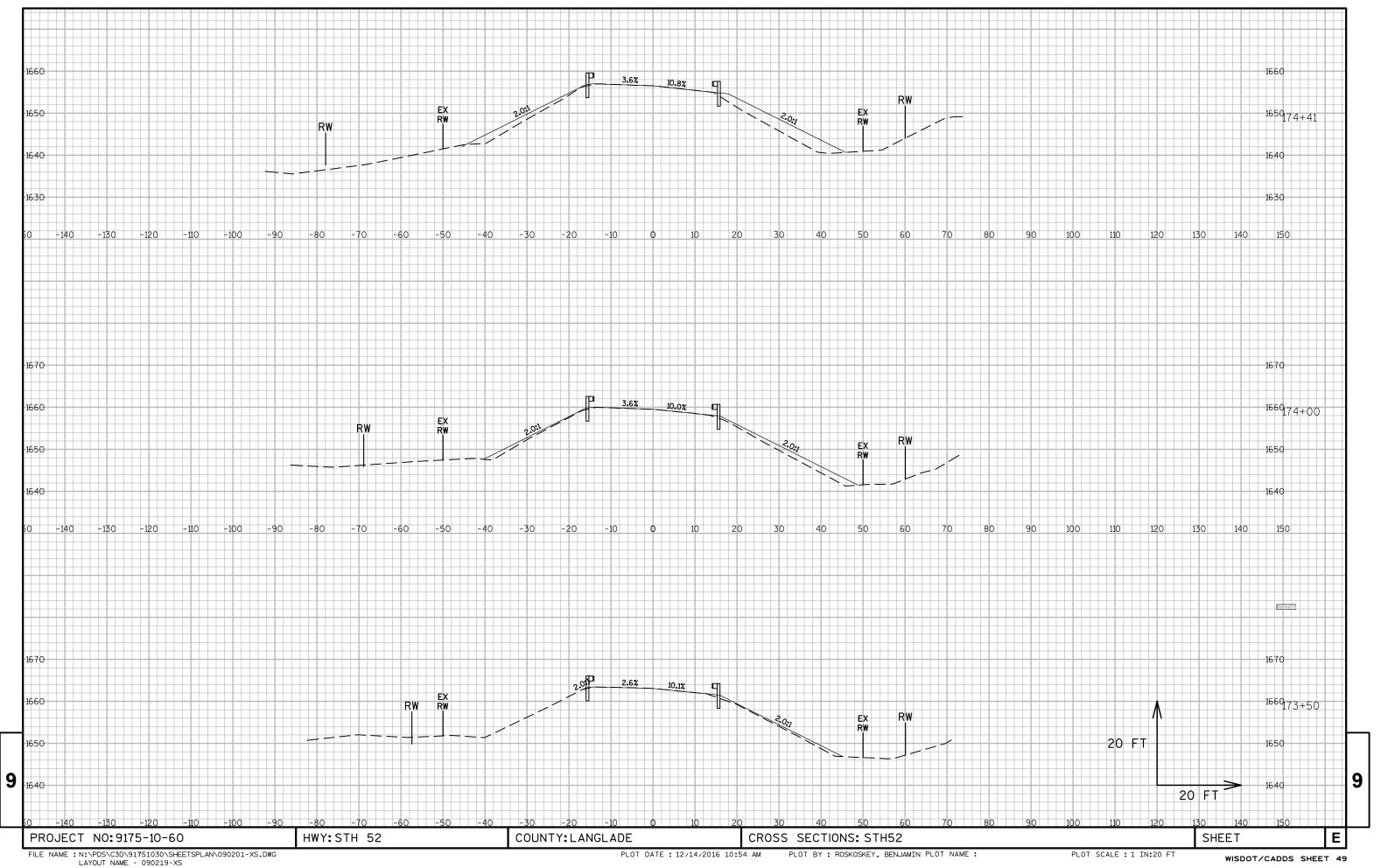


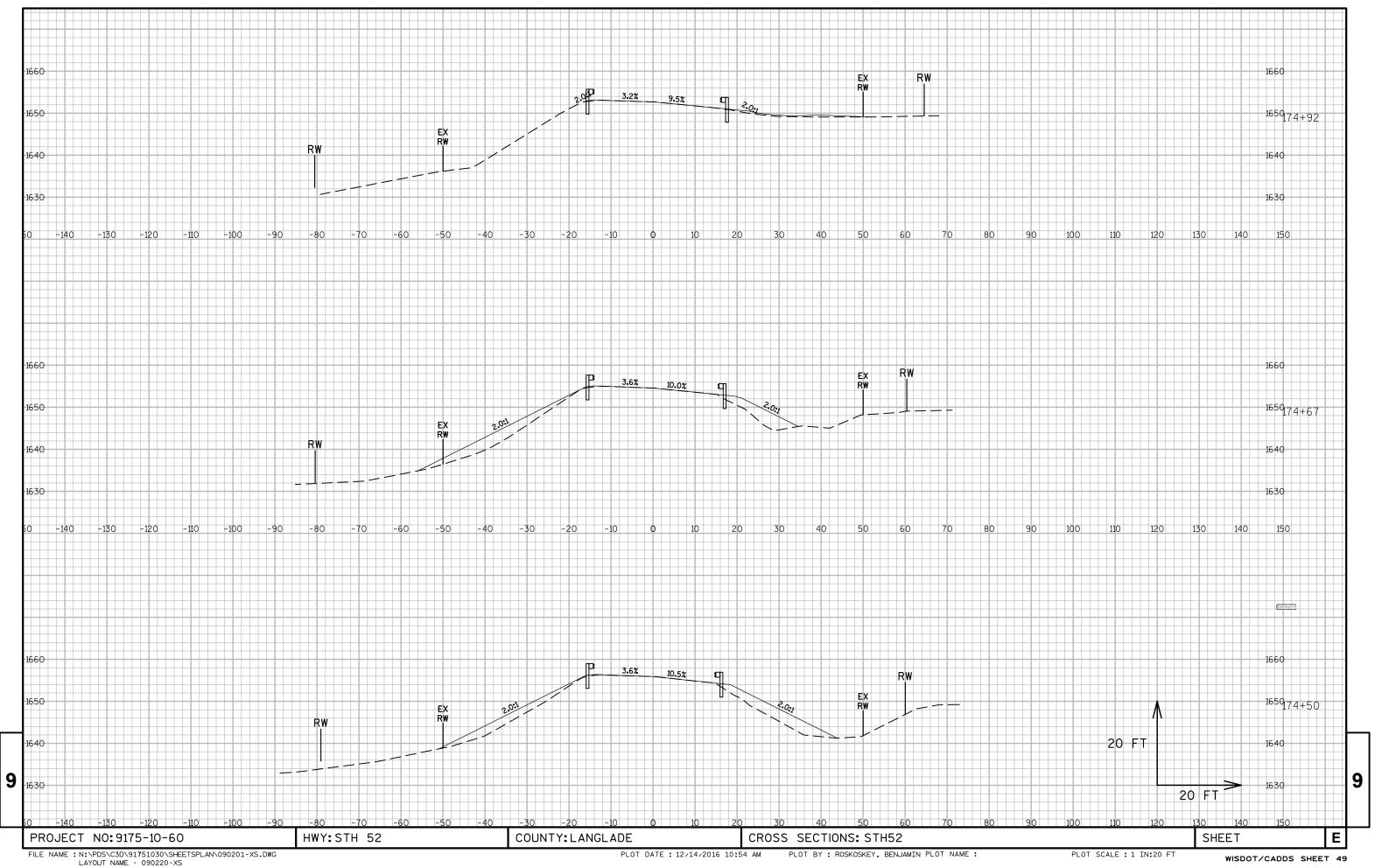


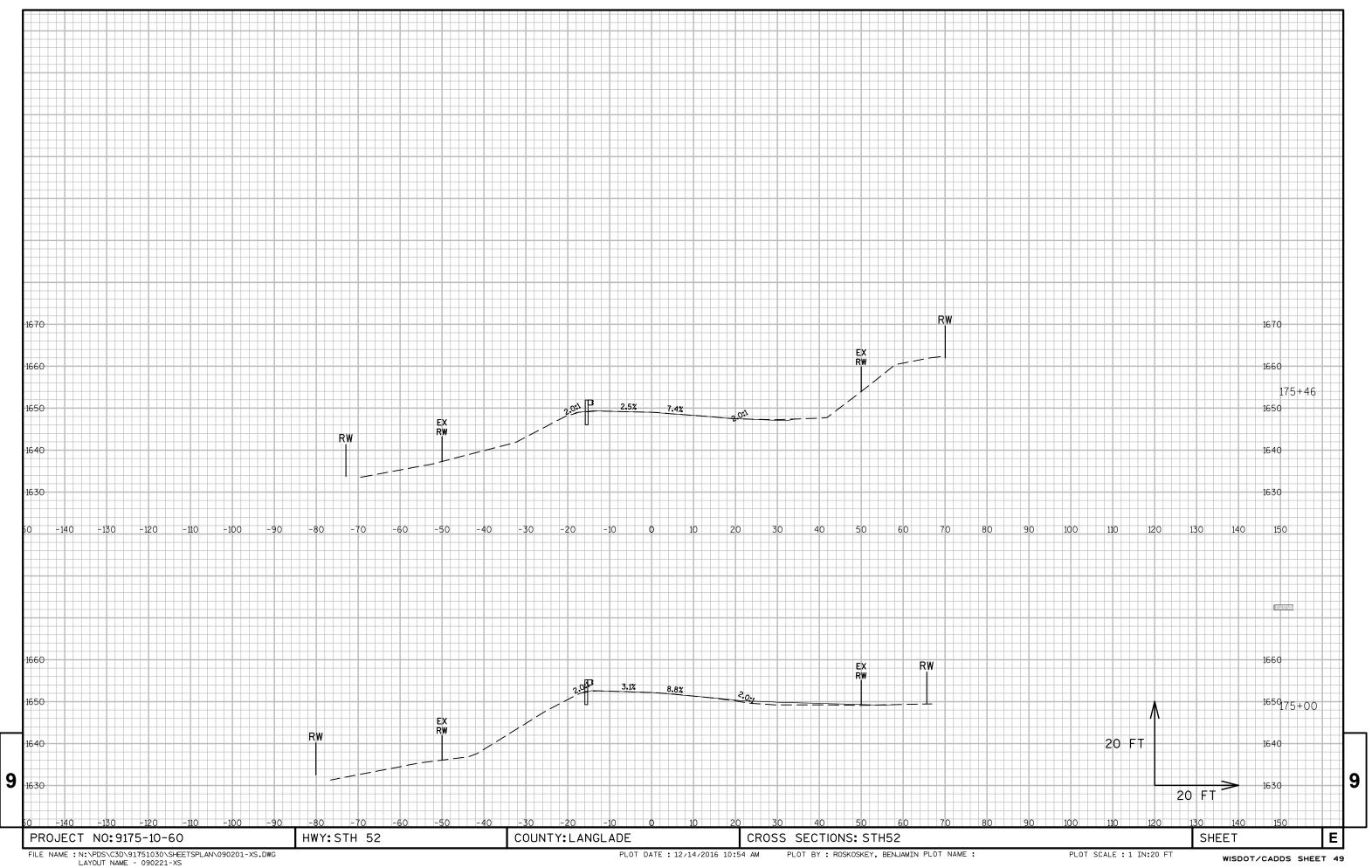


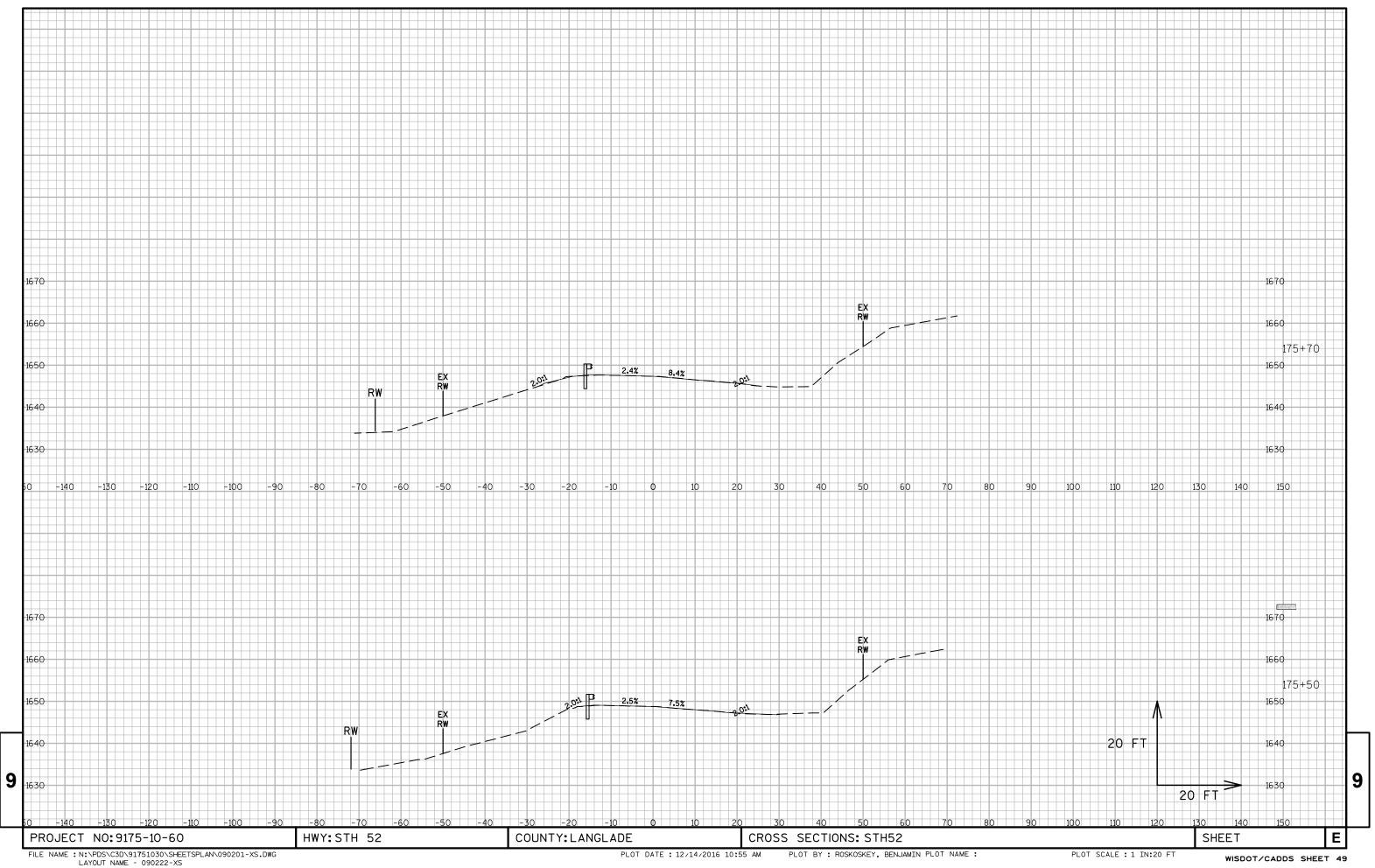


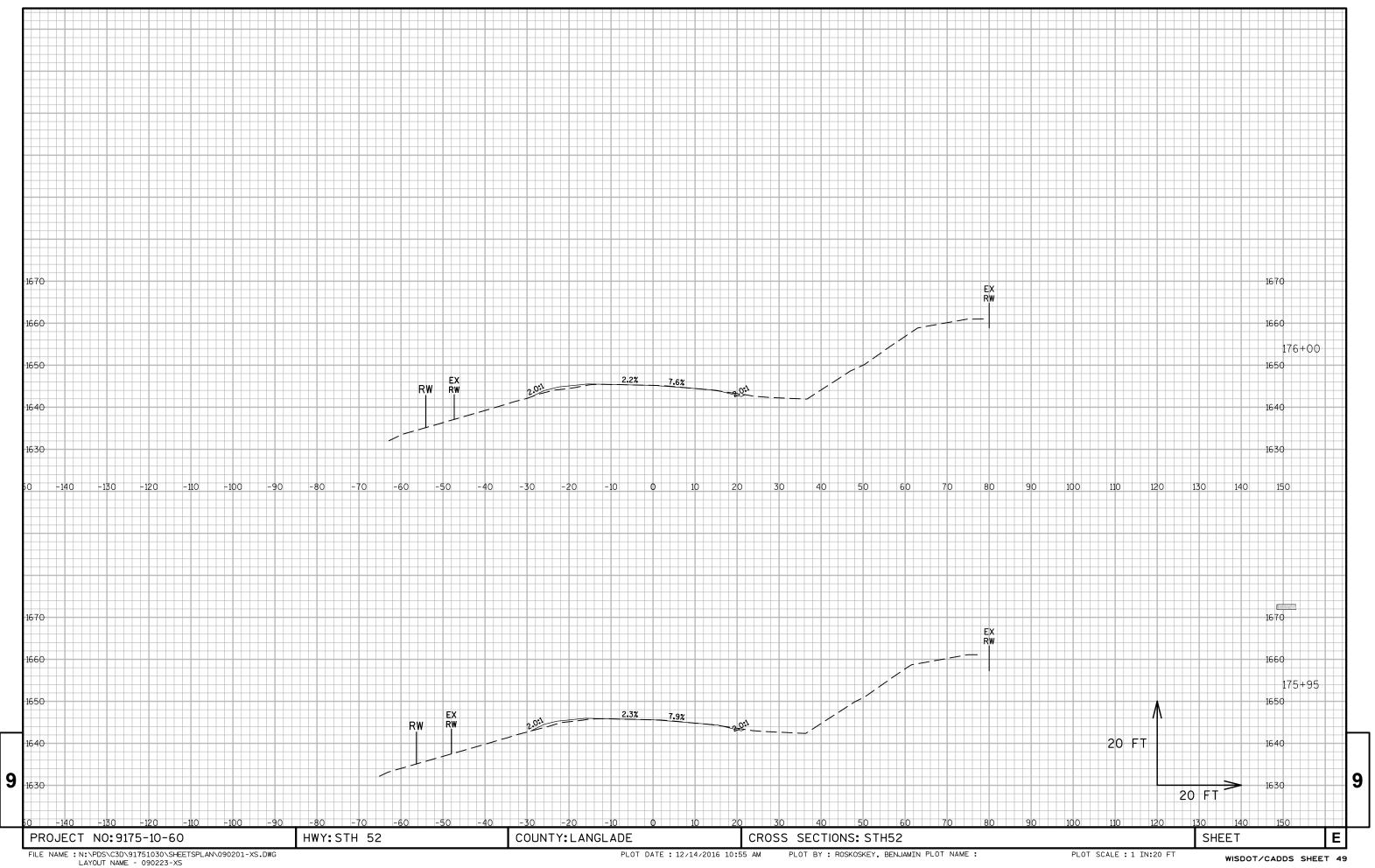


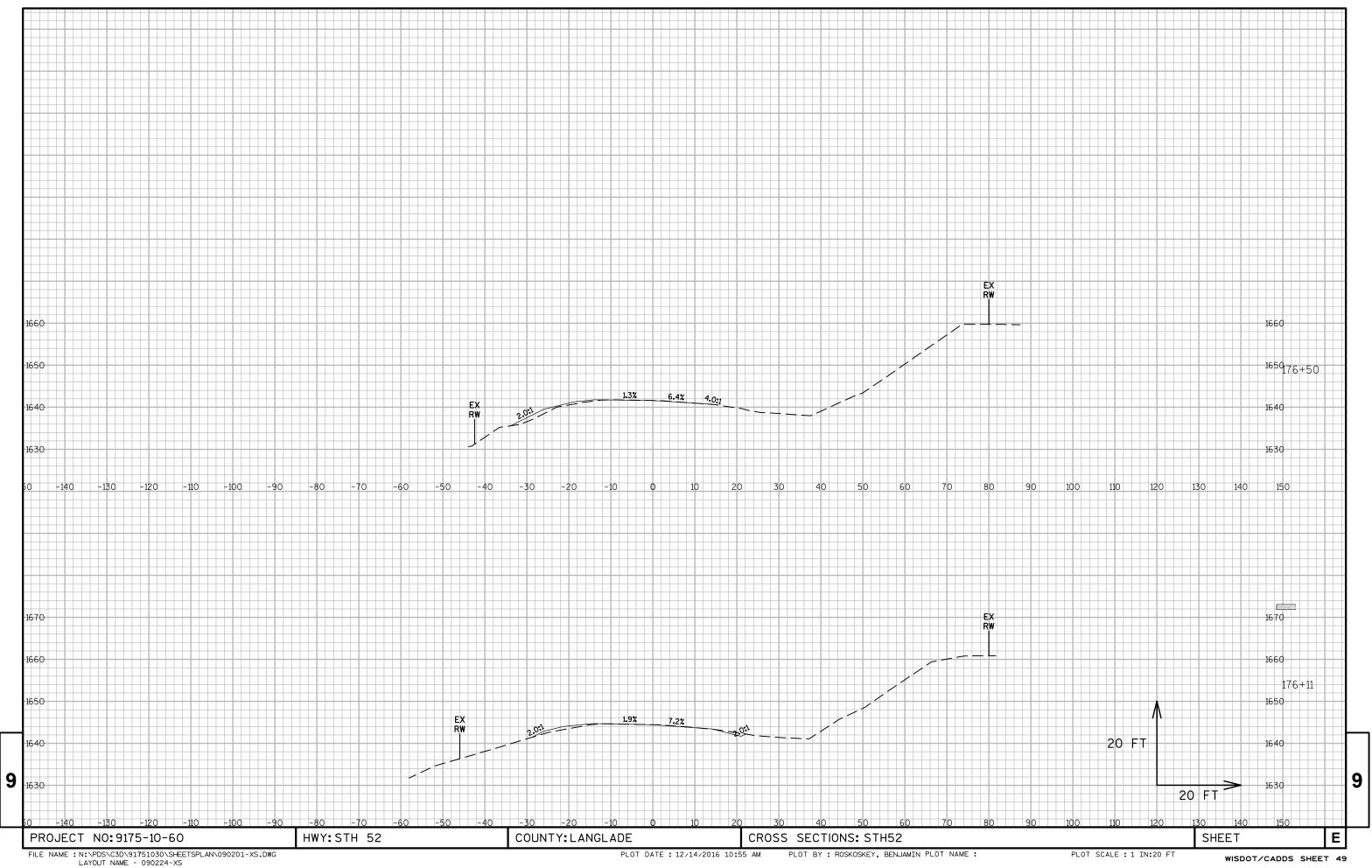


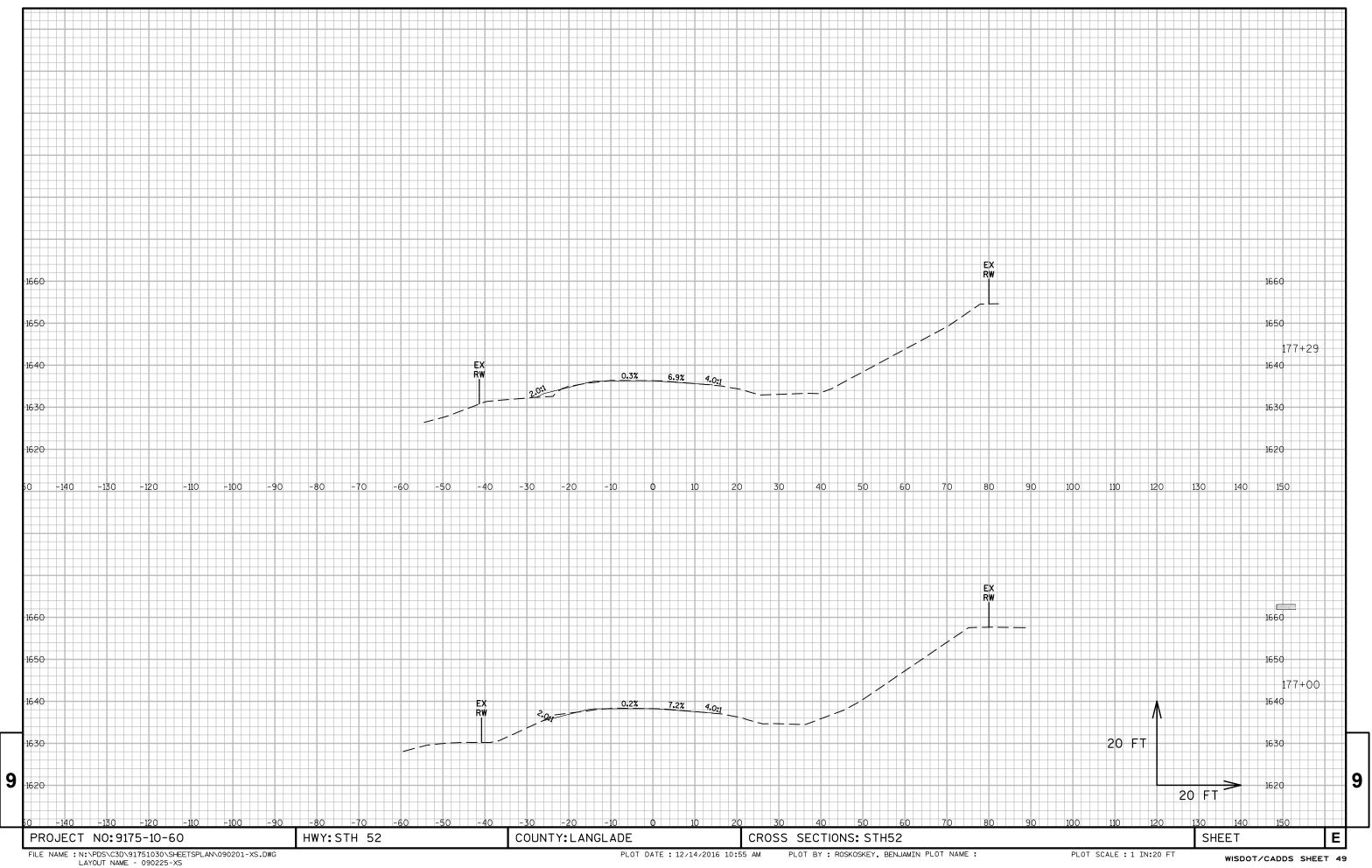


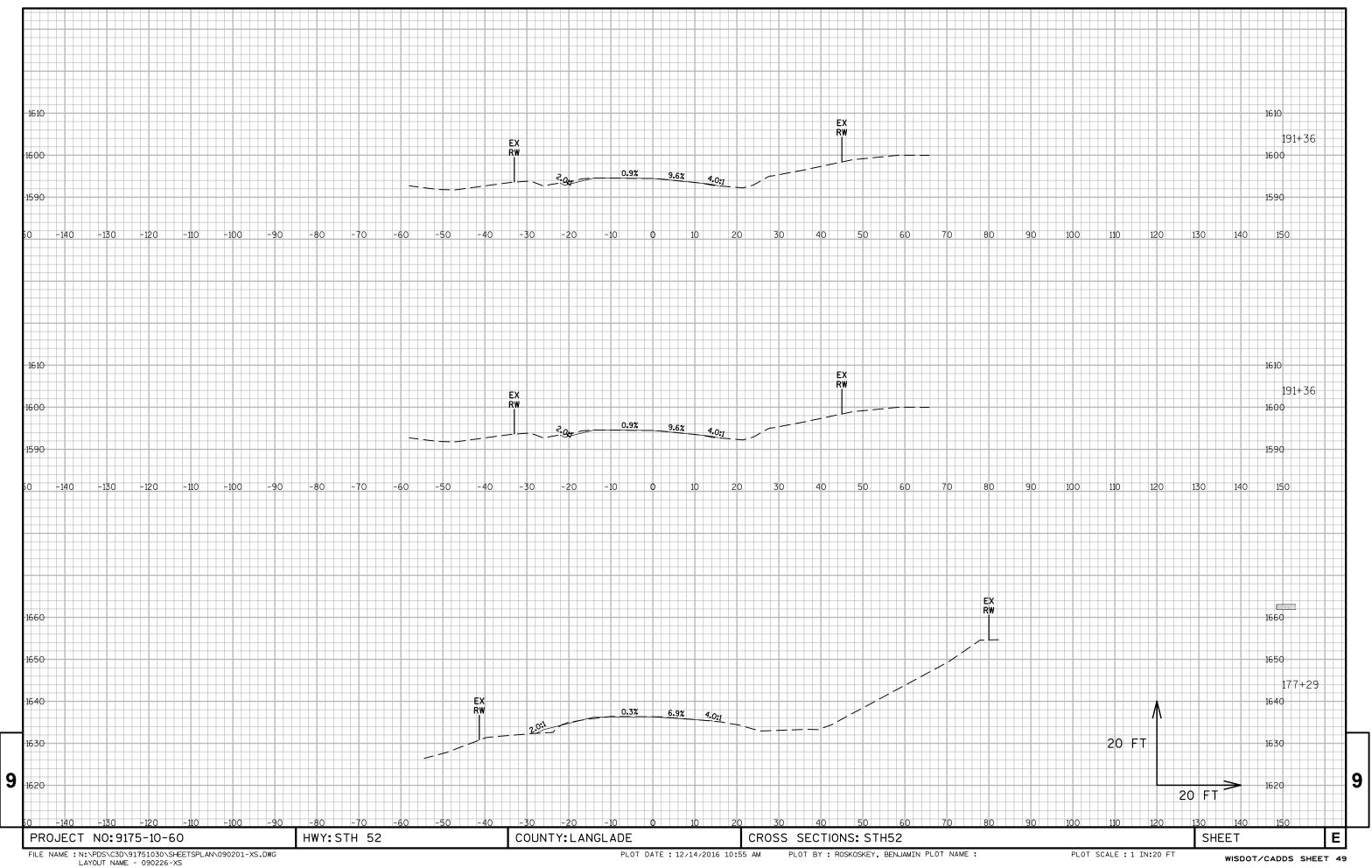


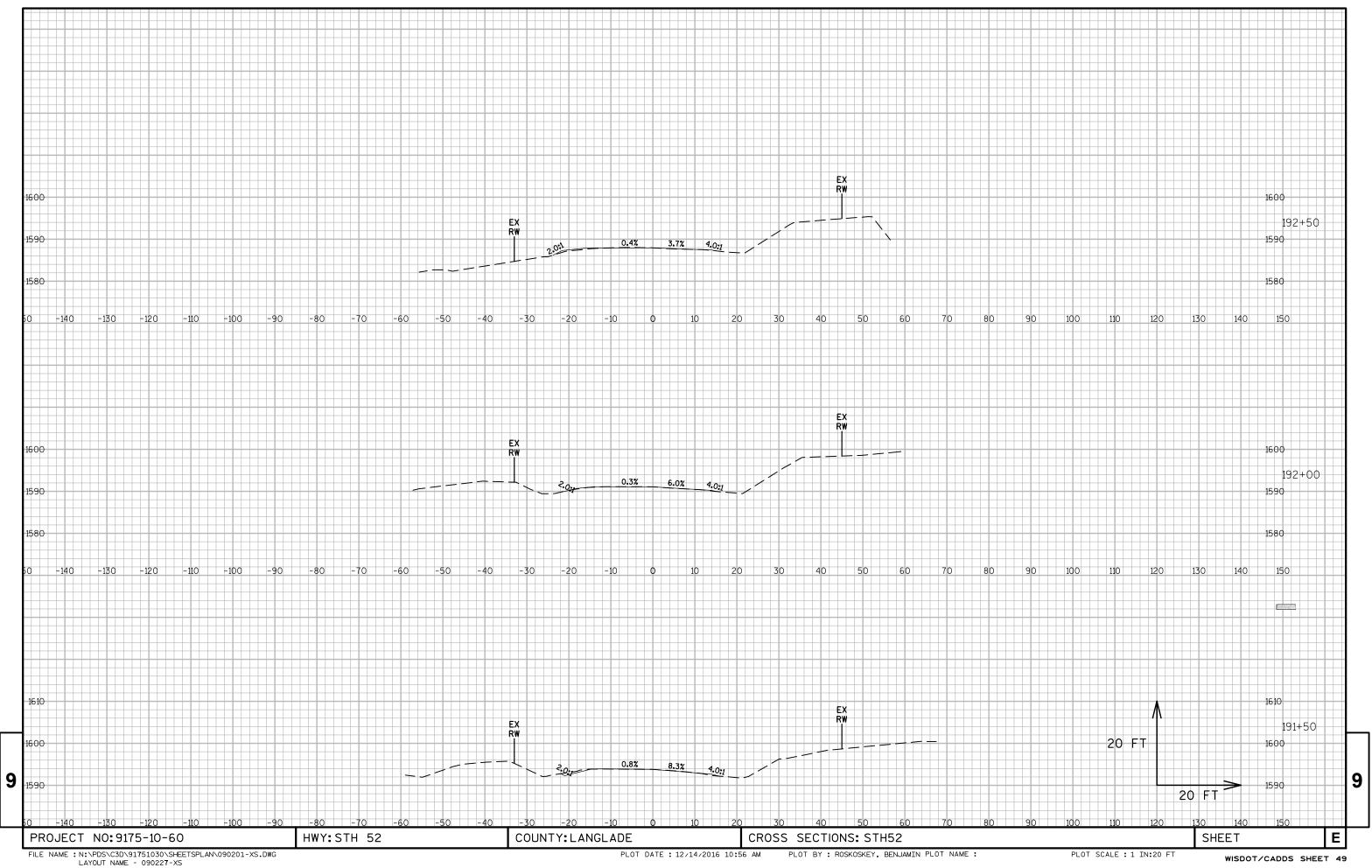


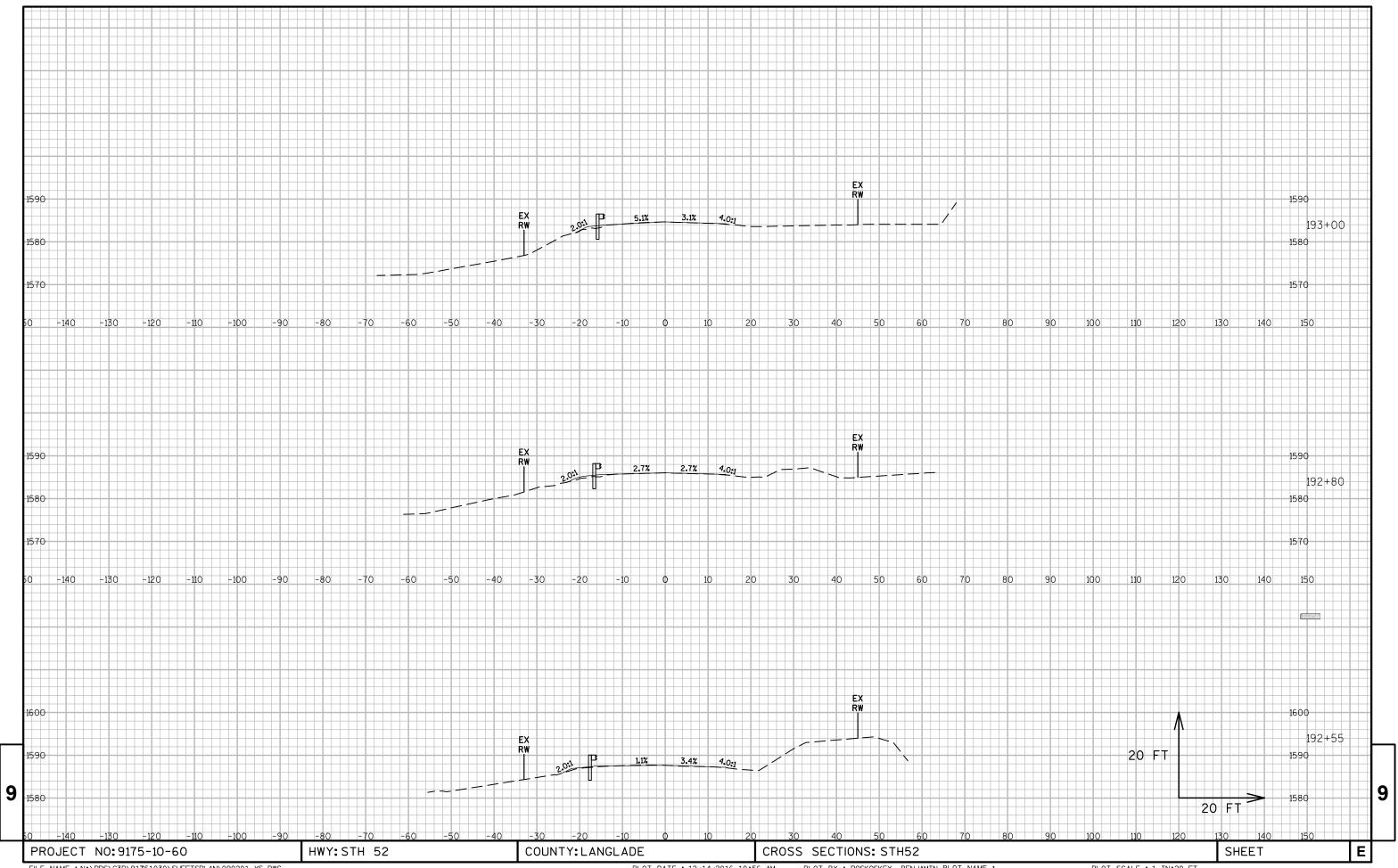


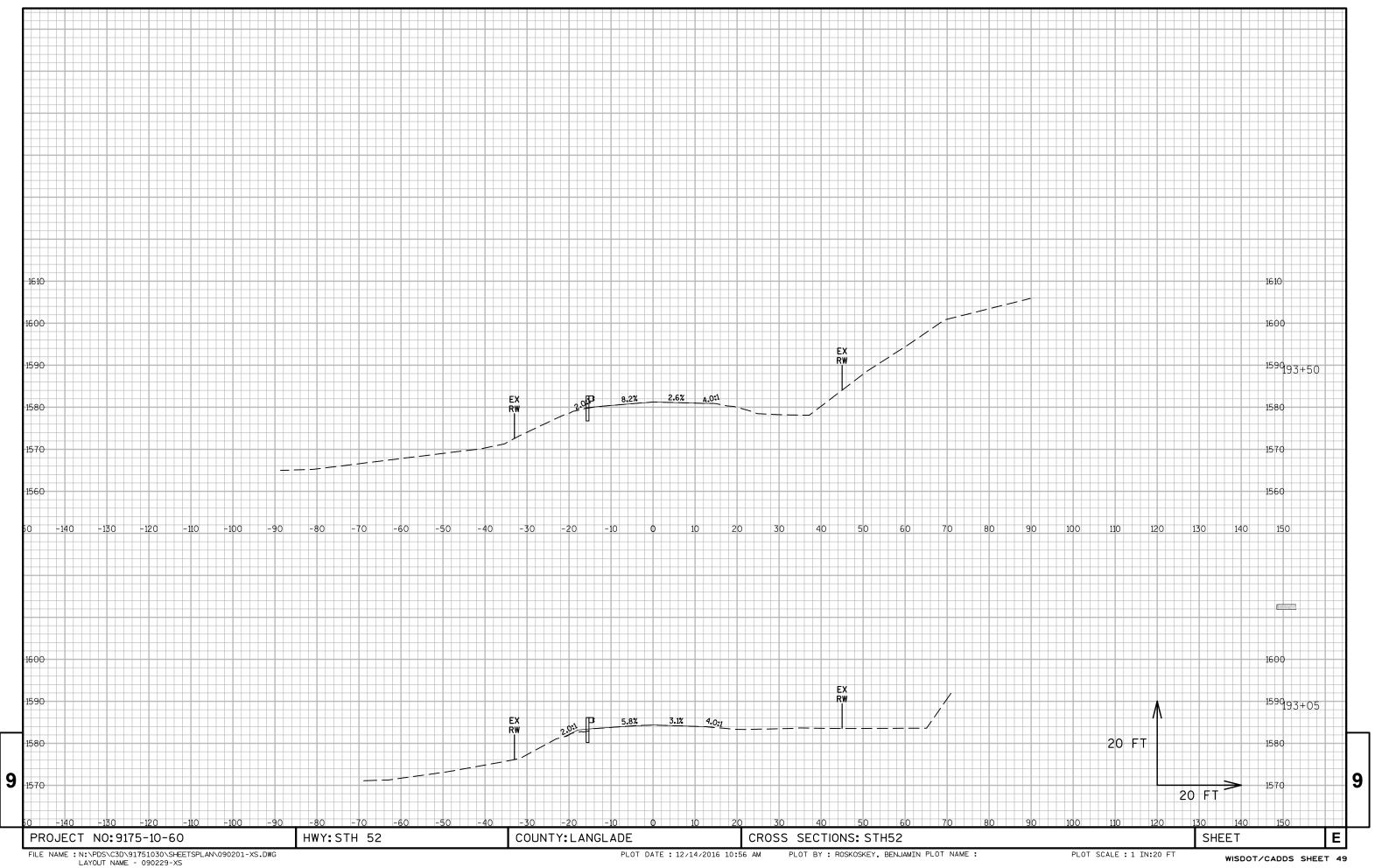


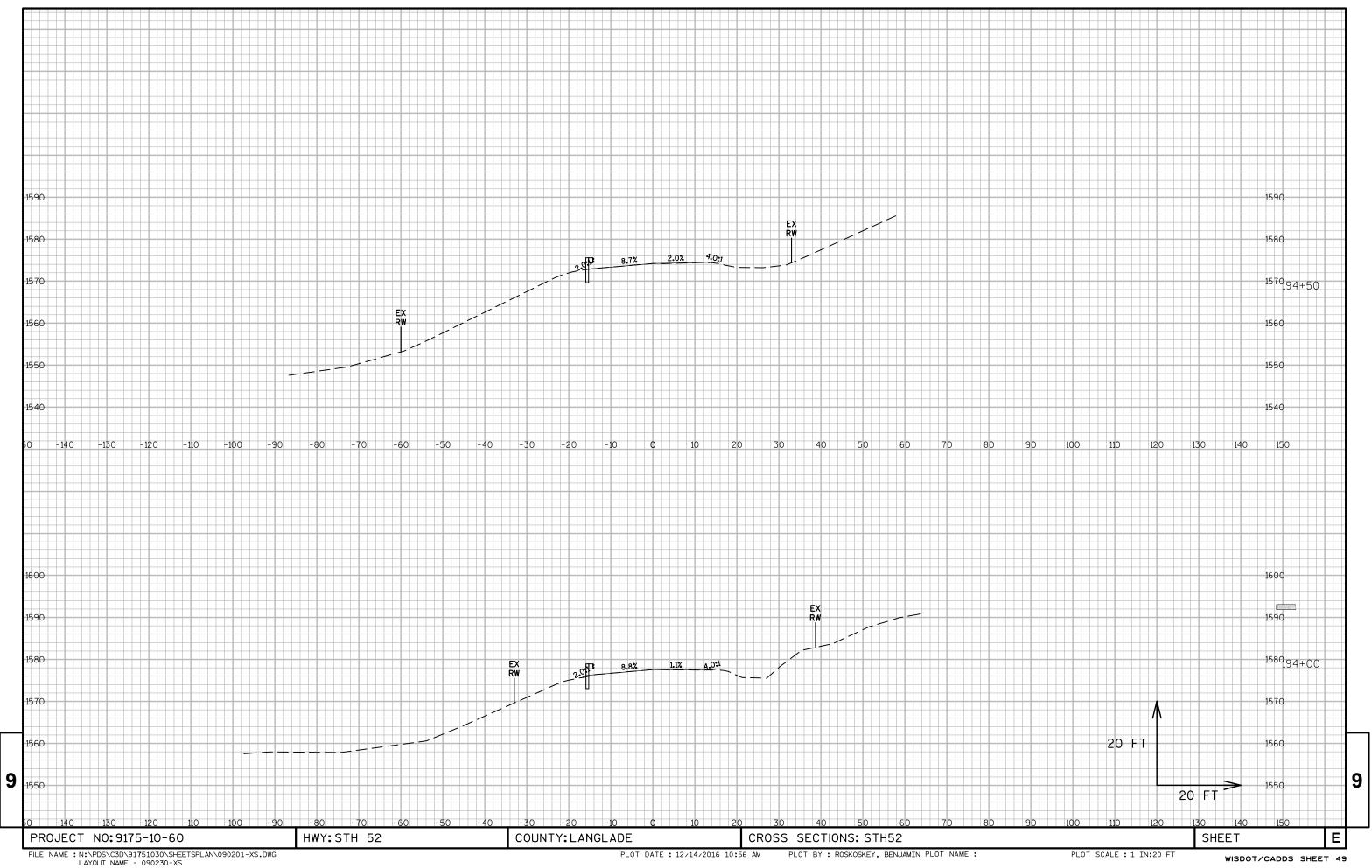


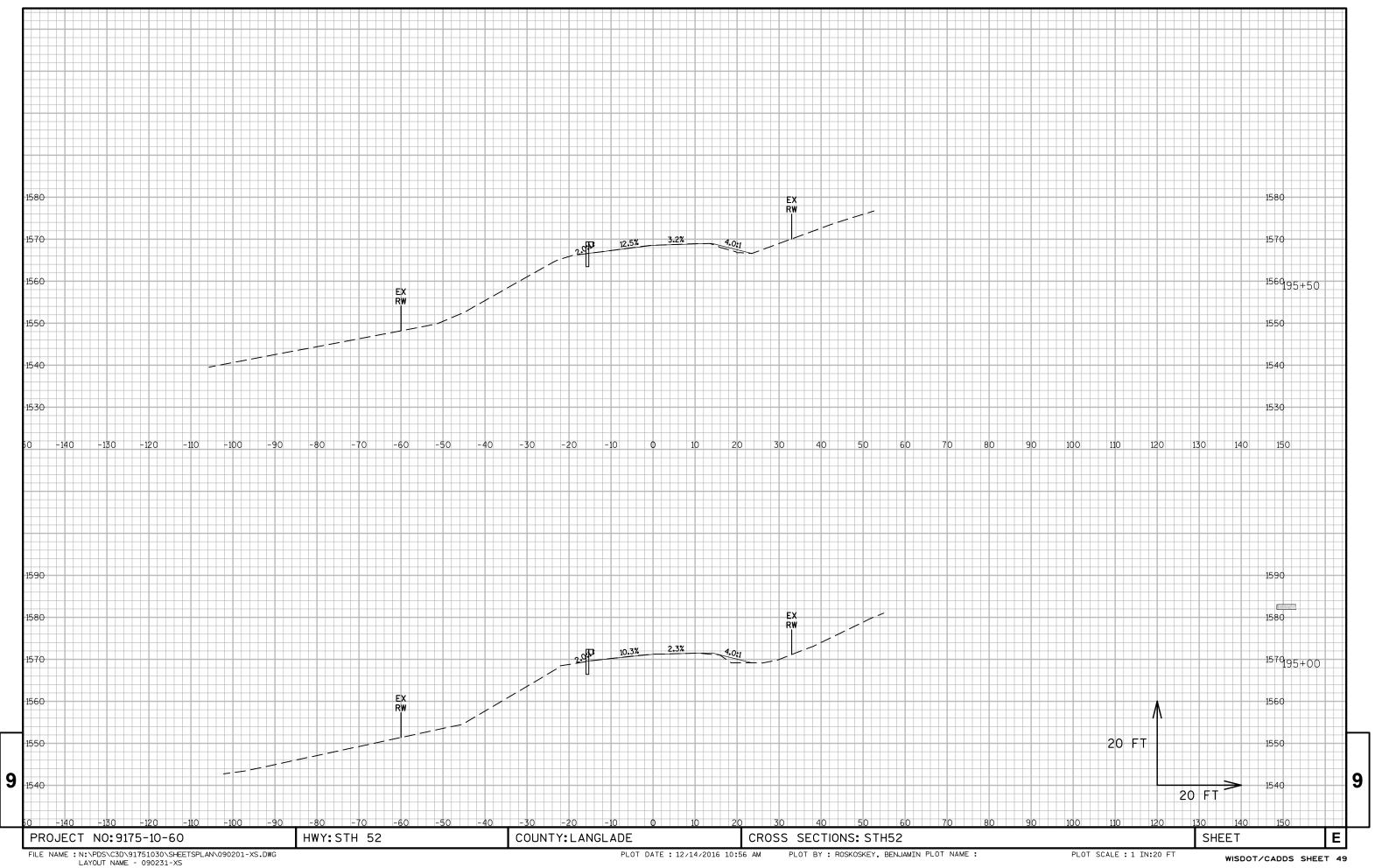


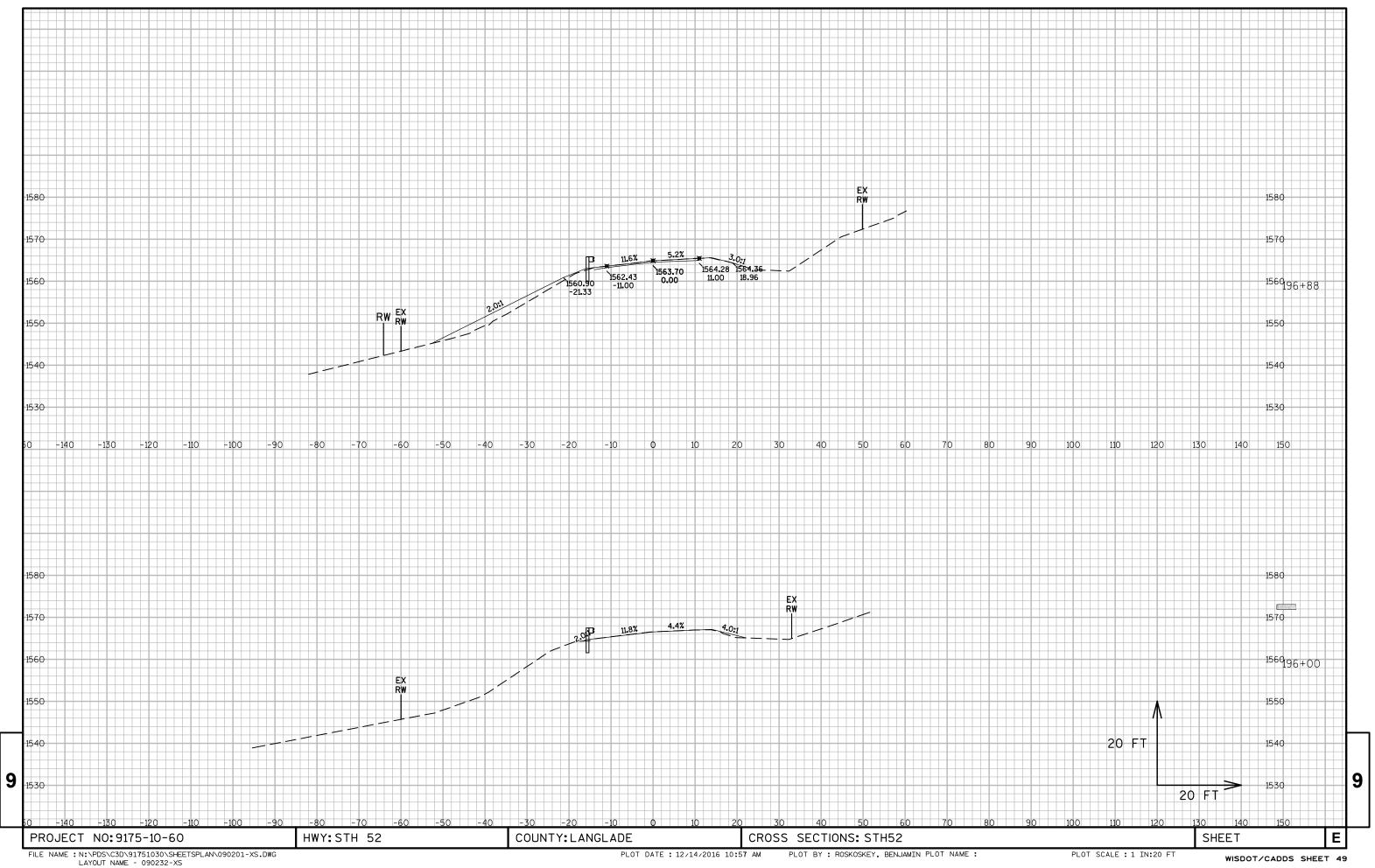


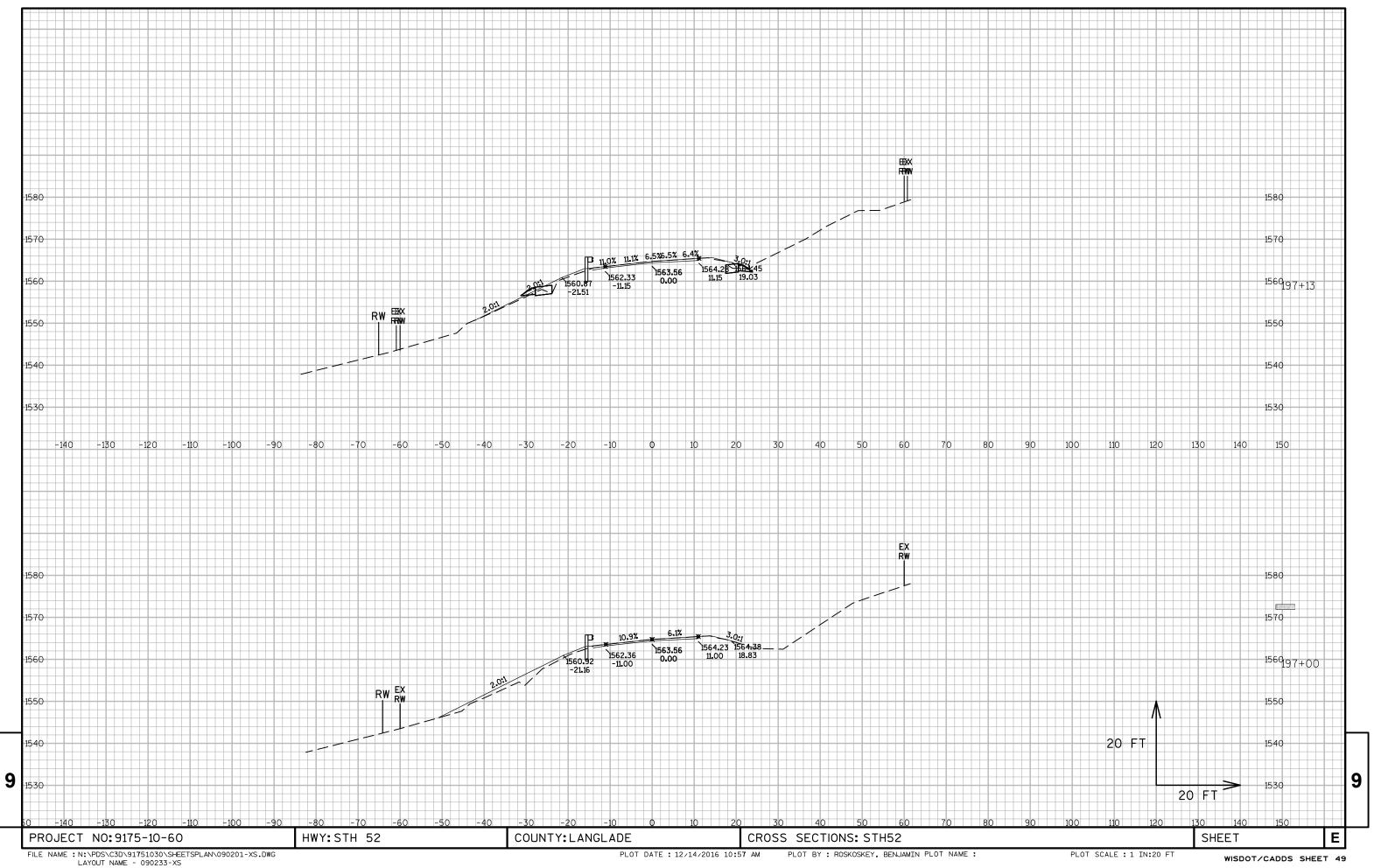


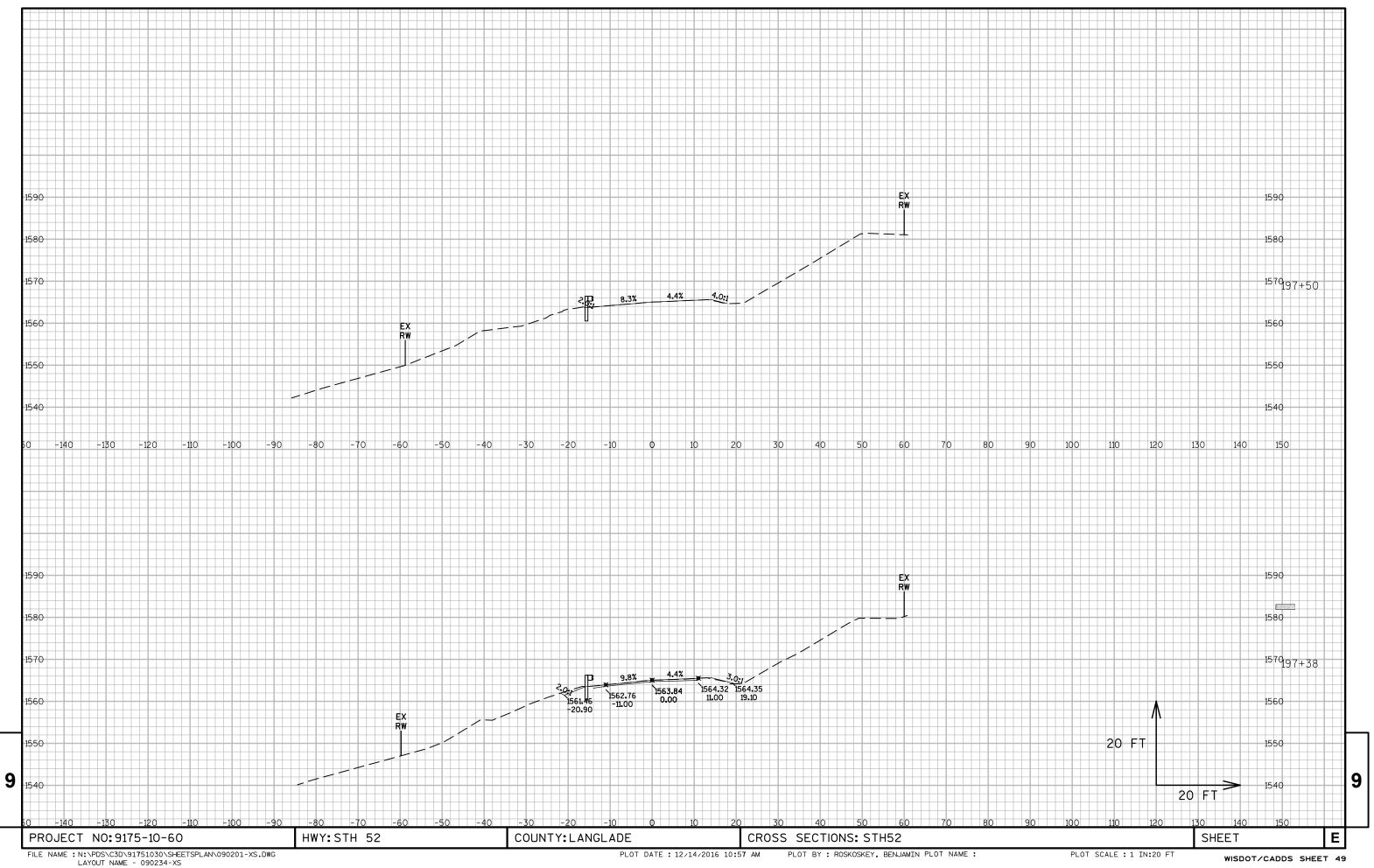


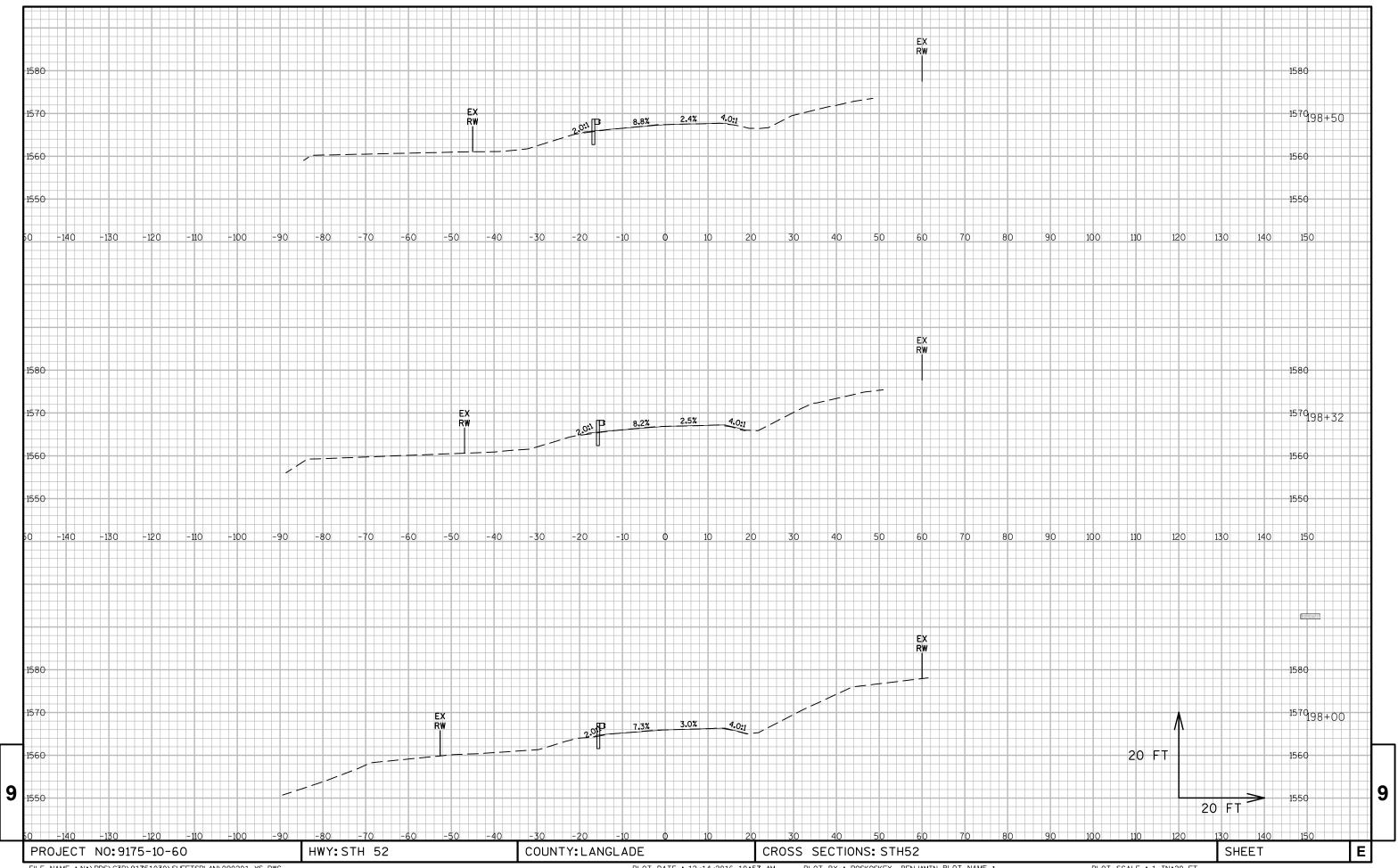


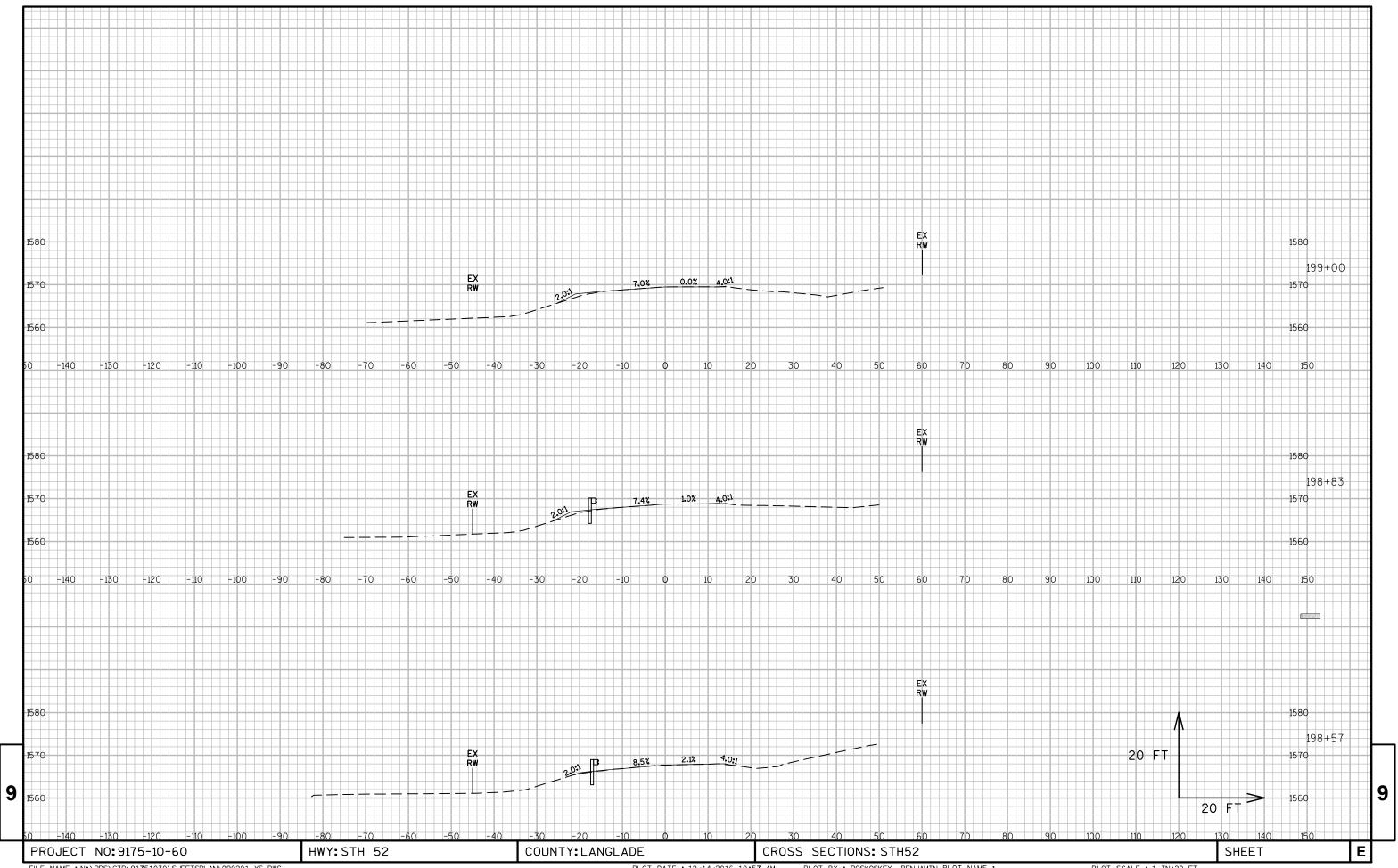


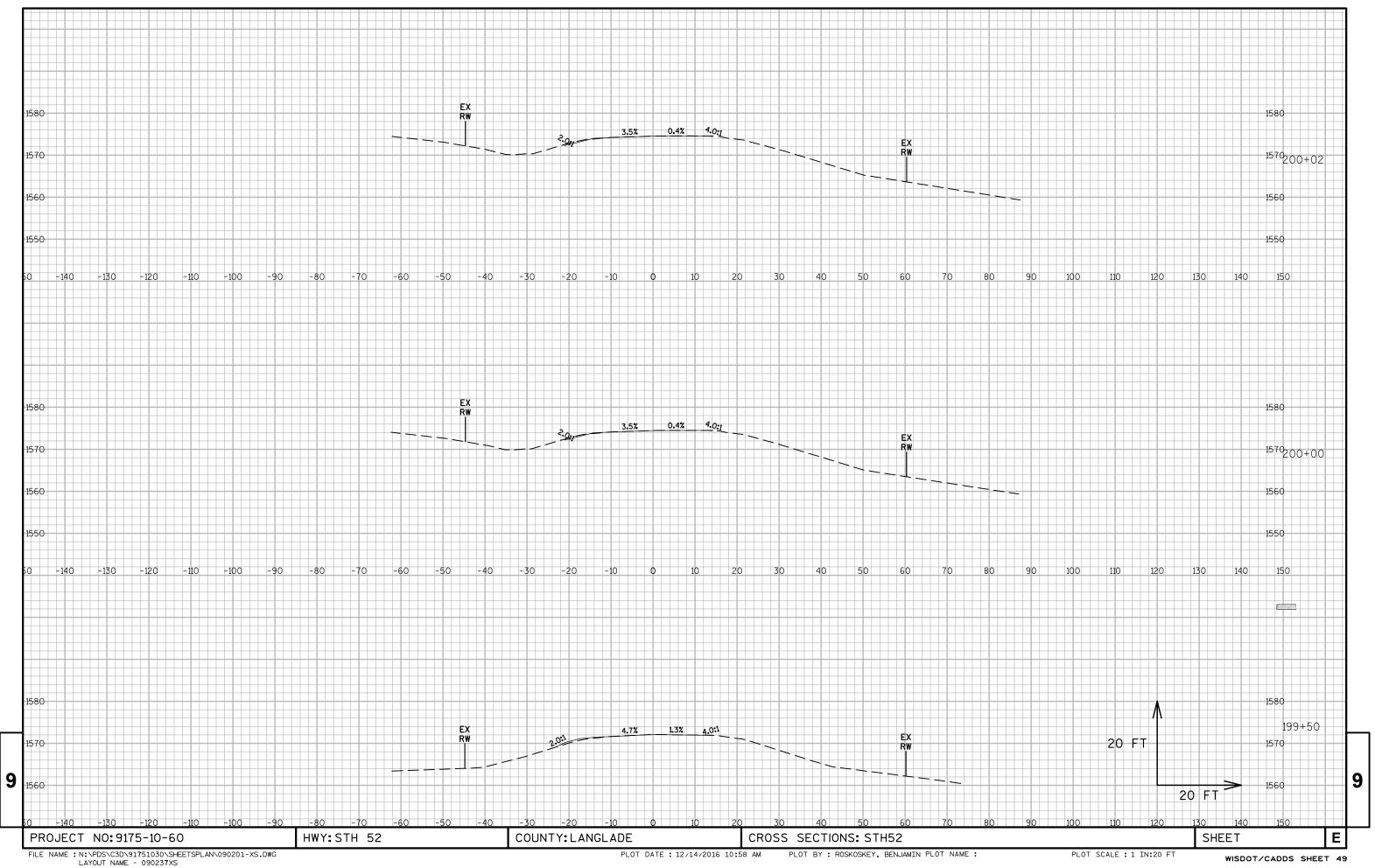


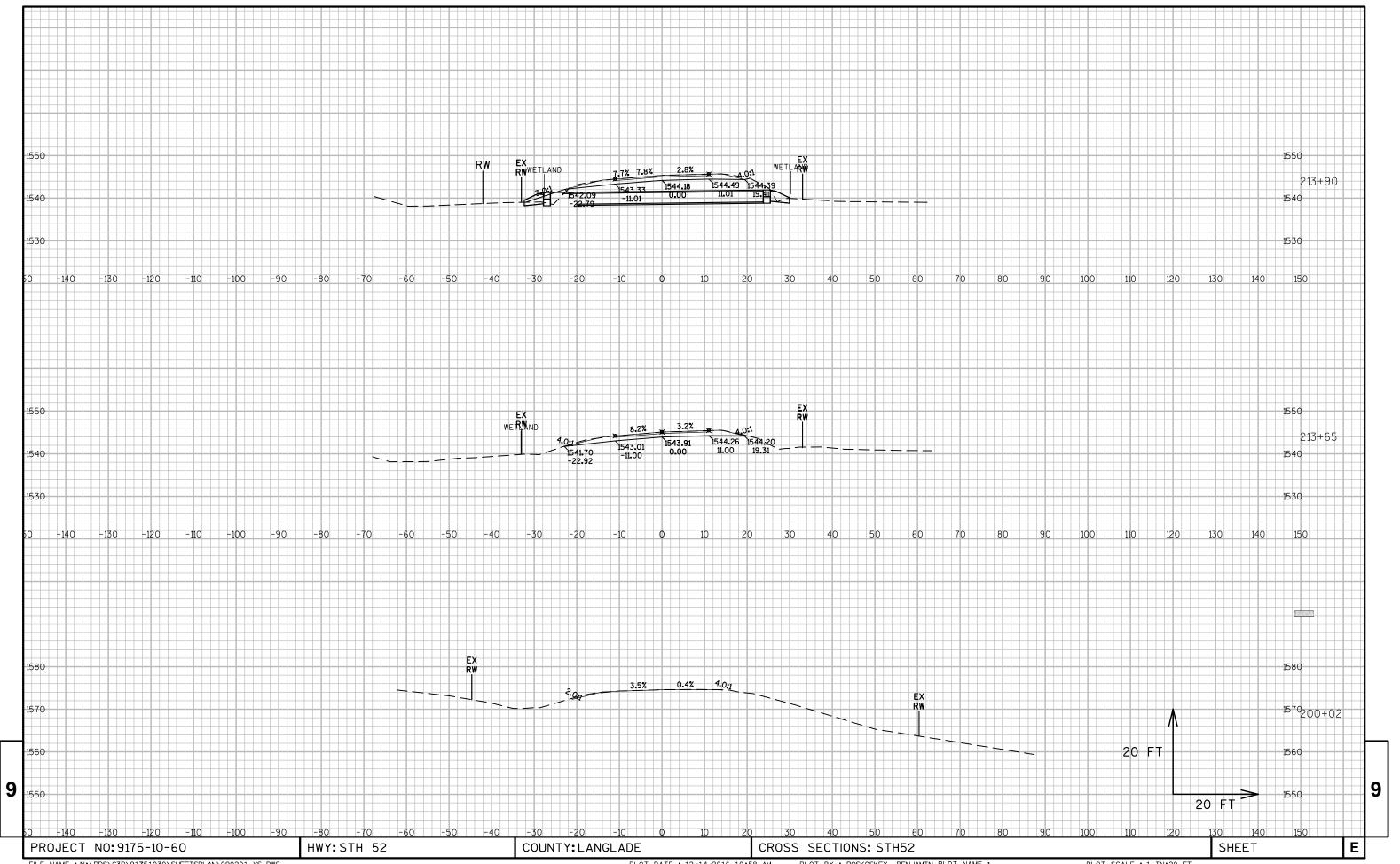


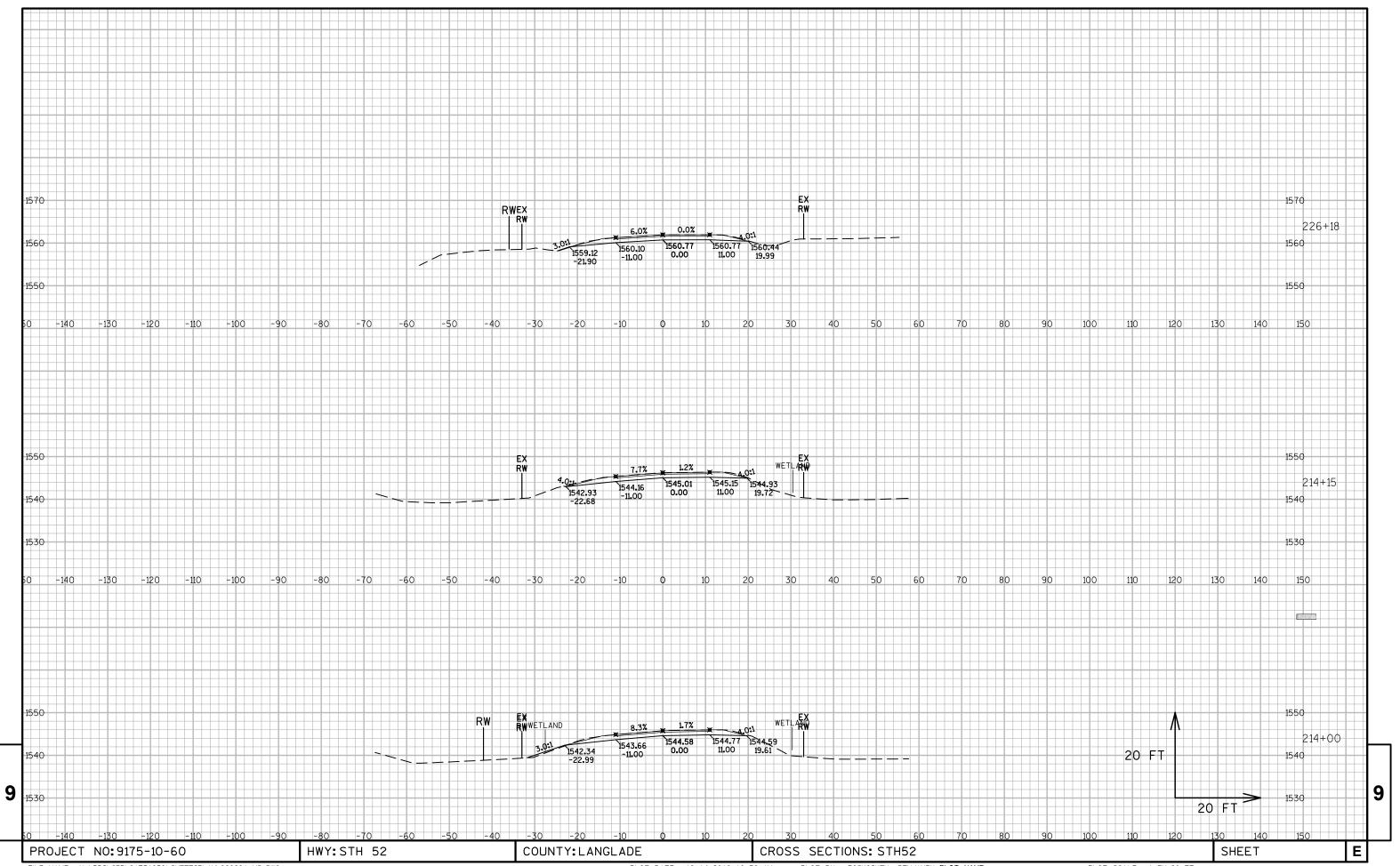


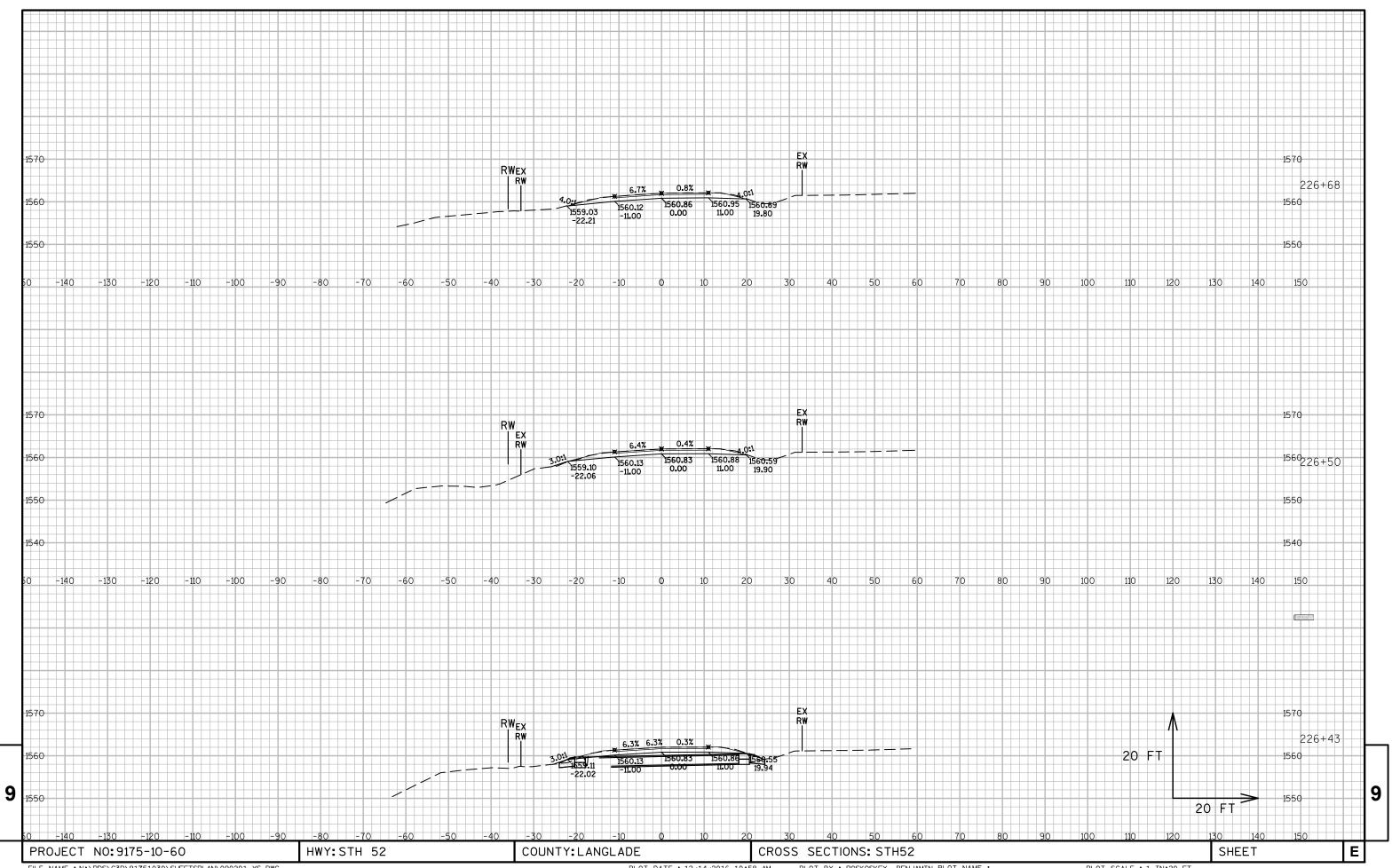


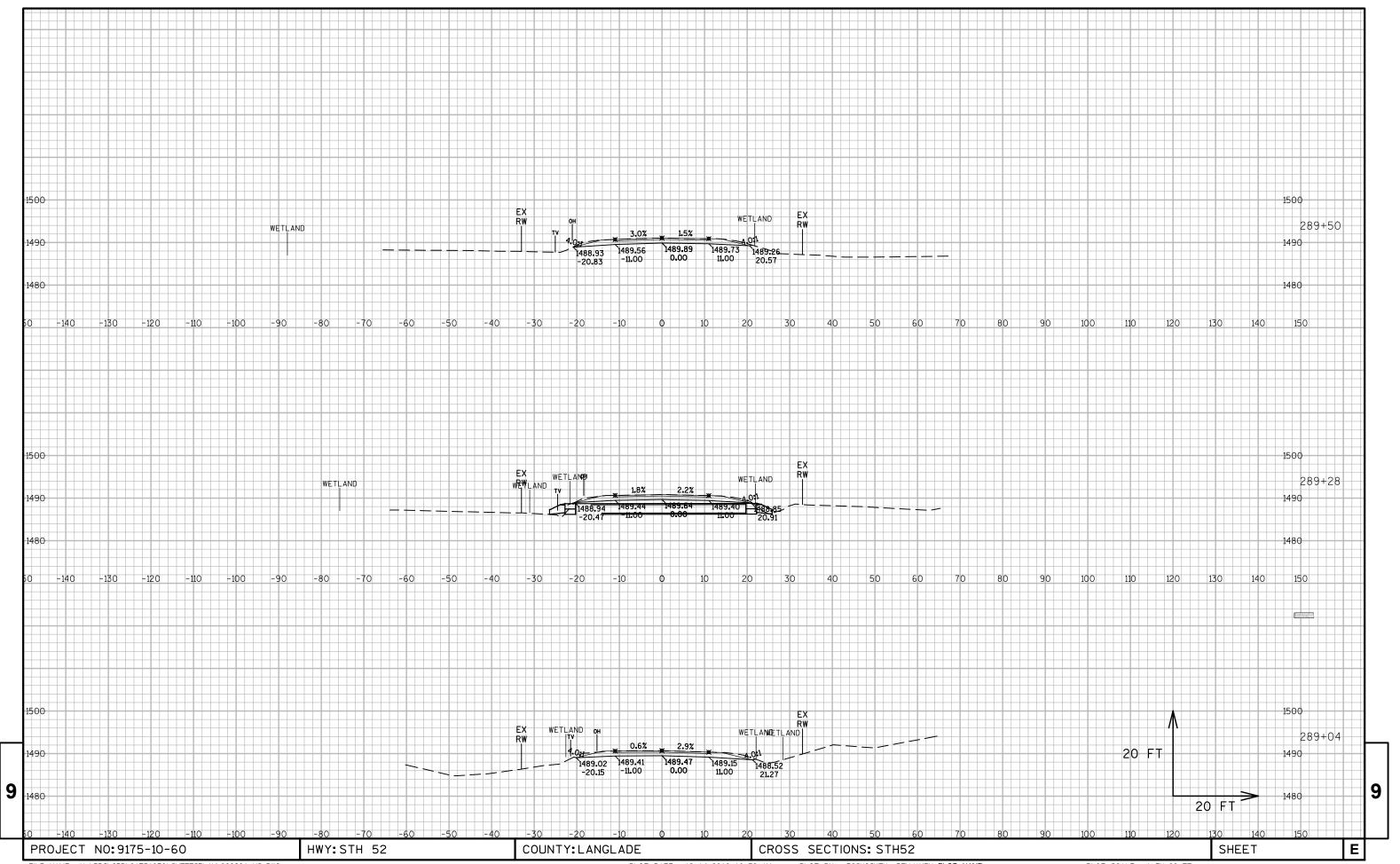


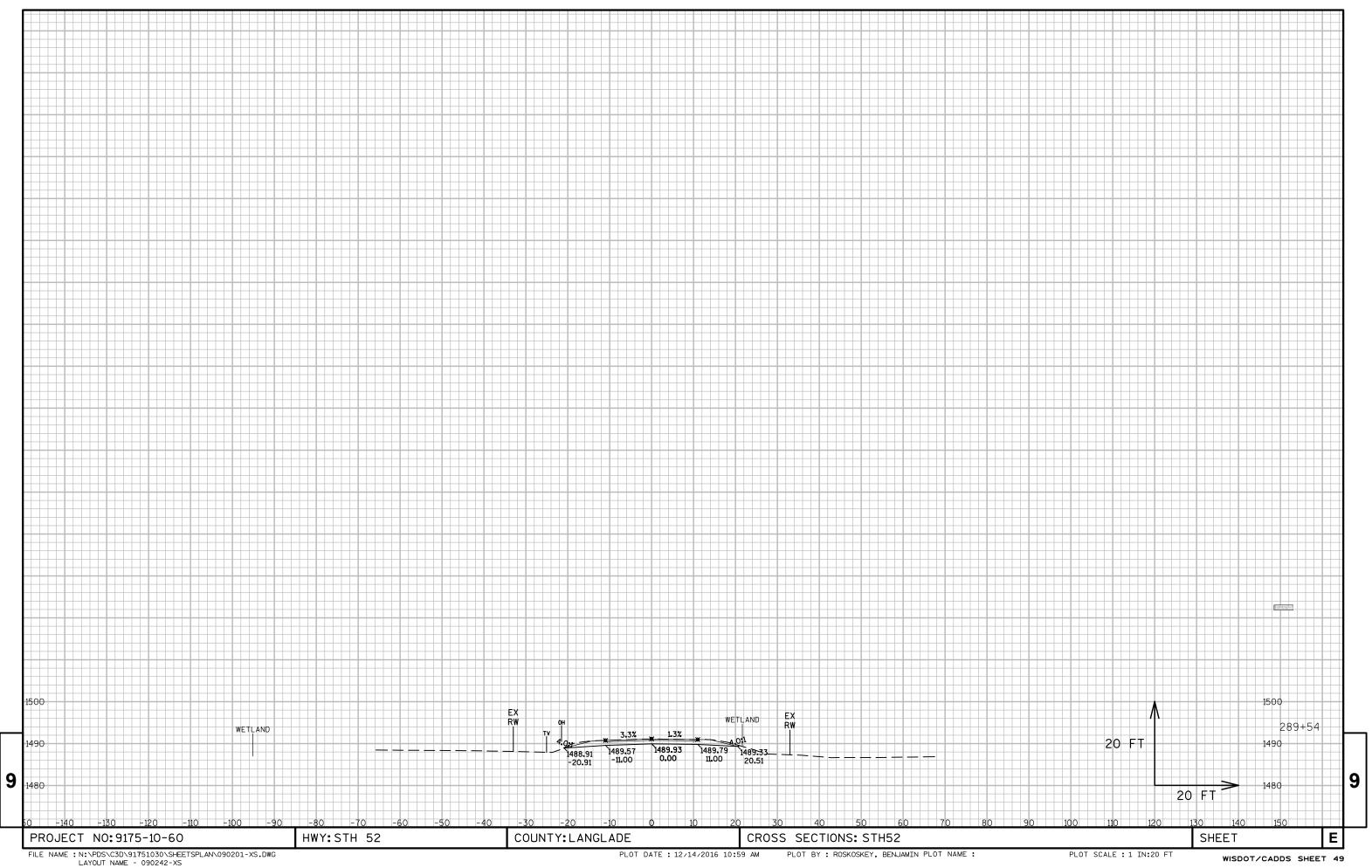


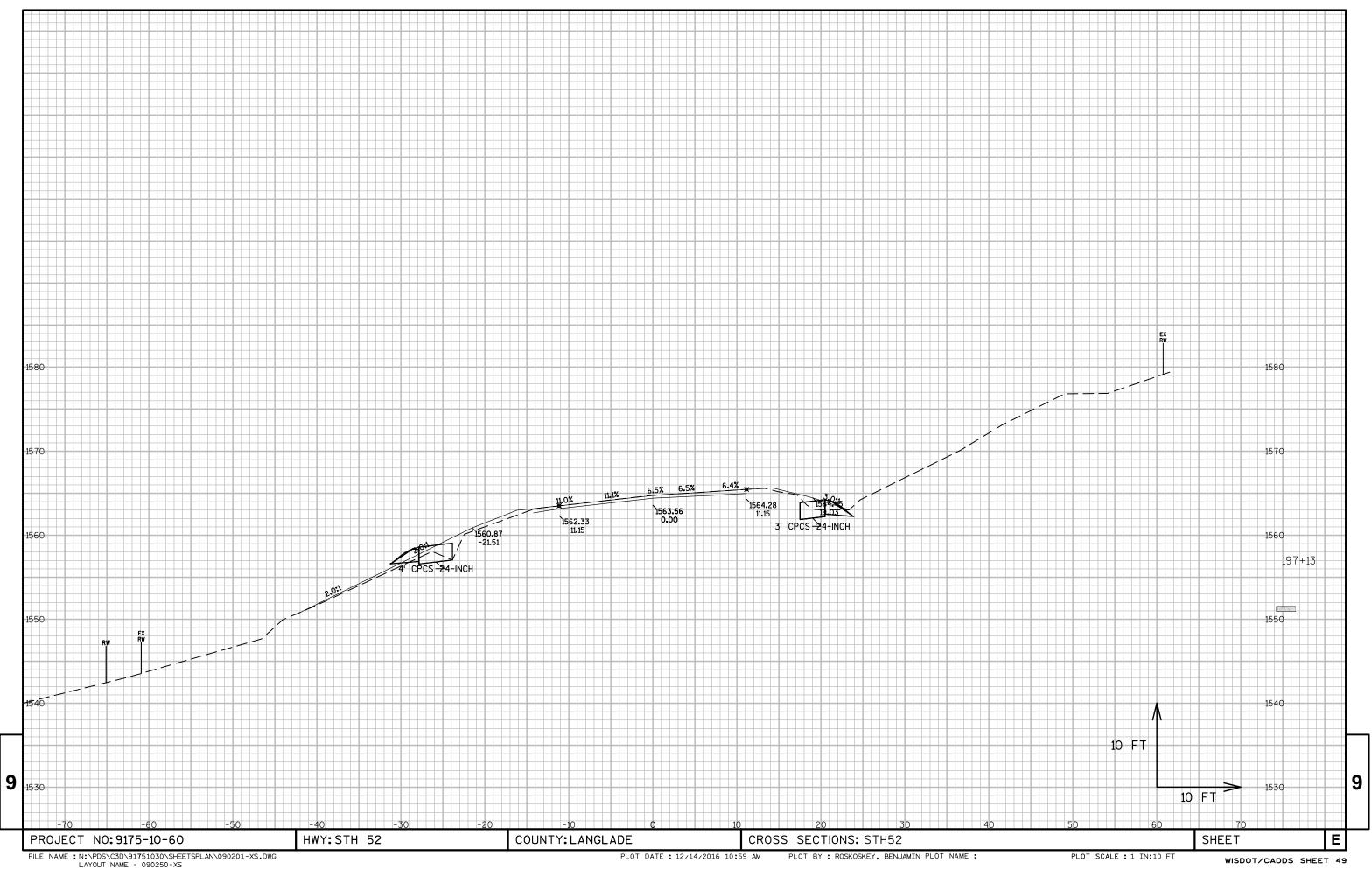


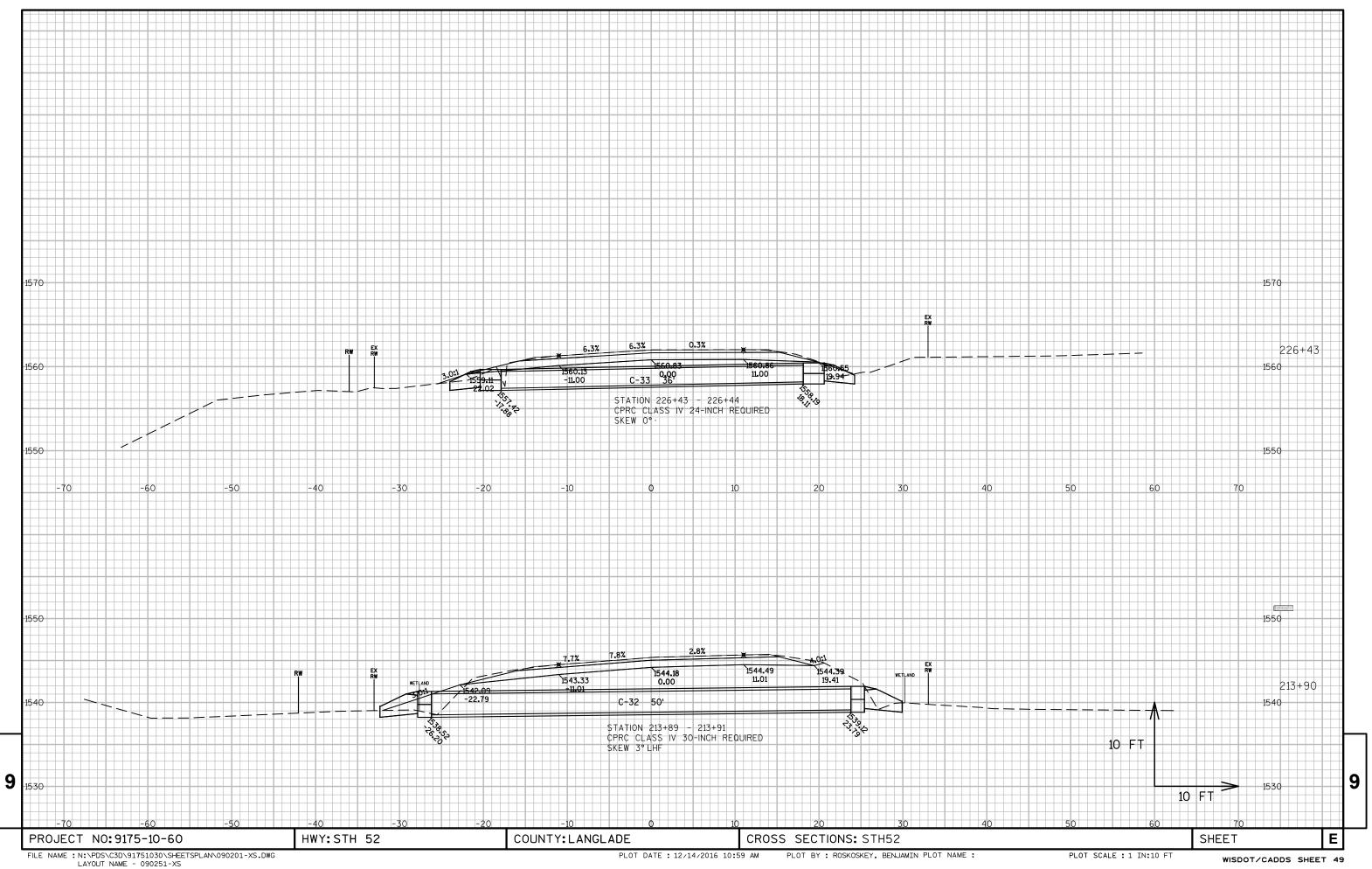


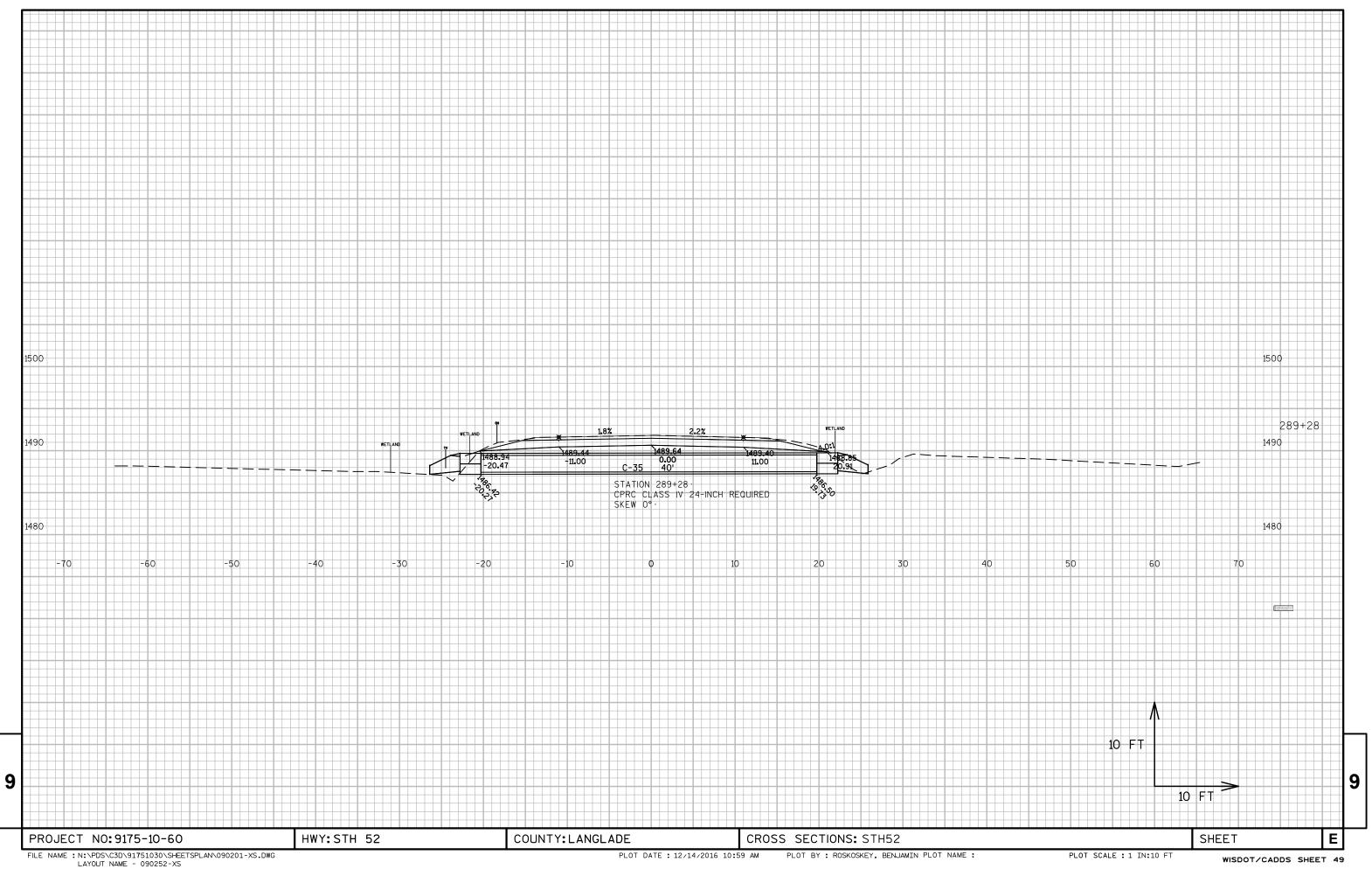














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