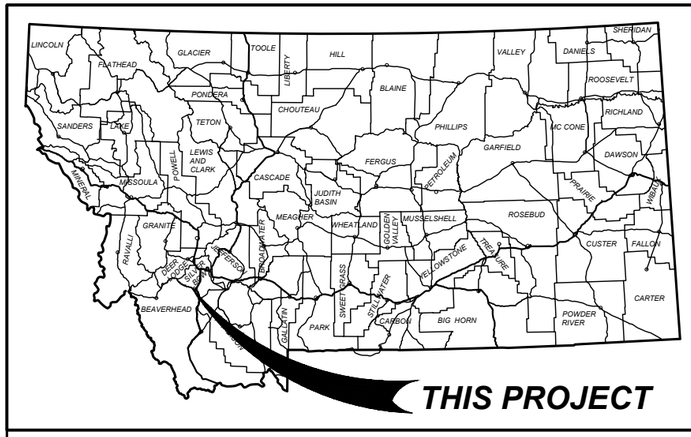
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MONTANA DEPARTMENT OF TRANSPORTATION

FEDERAL AID PROJECT STPP 46-7(14)66

MILL, PMS OVERLAY, SEAL & COVER

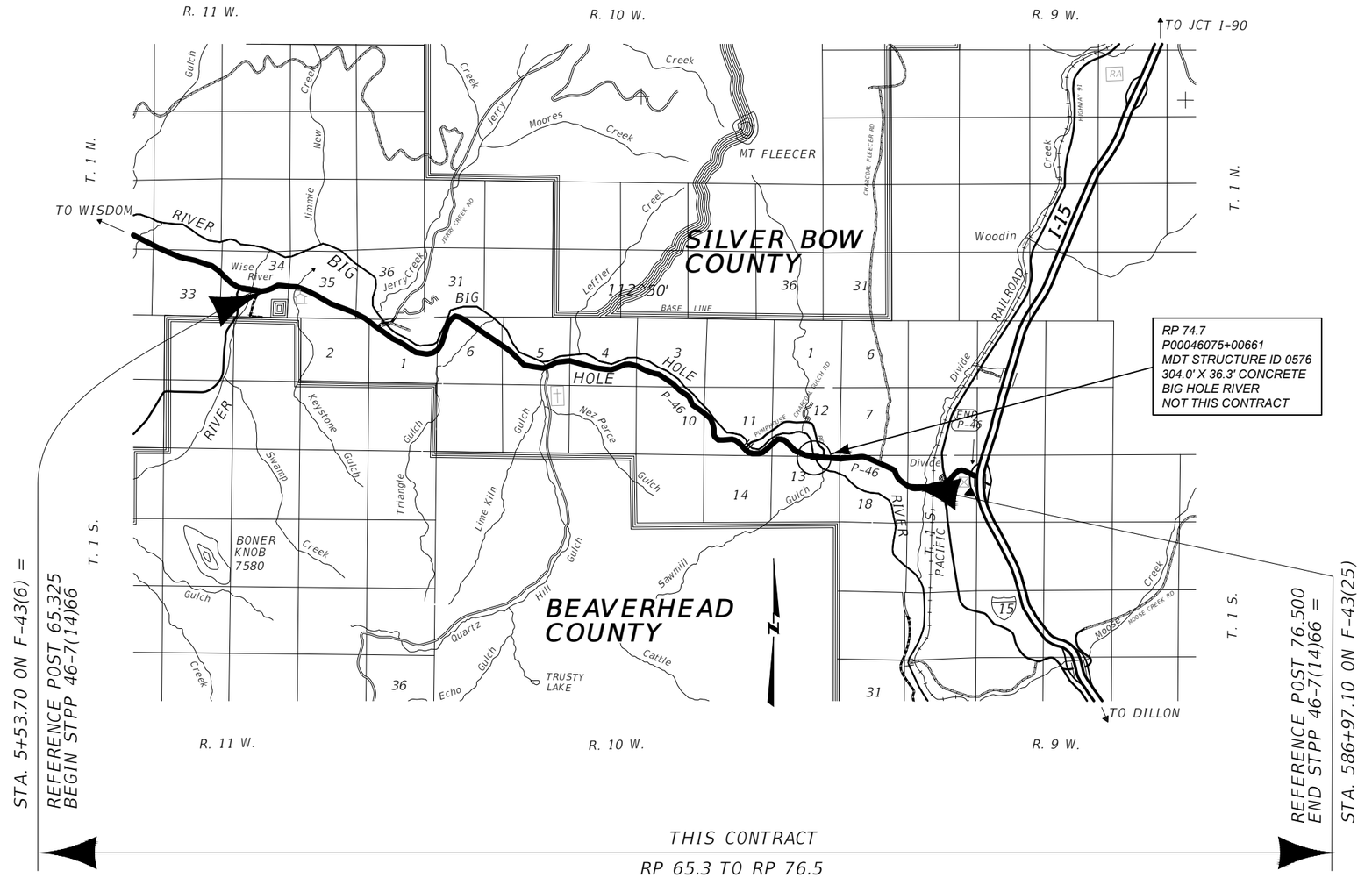
WISE RIVER-EAST

BEAVERHEAD AND SILVER BOW COUNTIES

LENGTH 11.176 MILES

PROJECT DESIGN DATA

PRESENT	2023	A.D.T. =	630
LETTING	2023	A.D.T. =	630
DESIGN	2043	A.D.T. =	760
		D.H.V. =	170
		TRUCKS =	7.9%
		V. =	60 mph
		18 KIP ESAL'S =	20
		GROWTH RATE =	1.0%



SHEET NO. 1

TITLE SHEET

PROJECT NAME	WISE RIVER-EAST
COUNTY	BEAVERHEAD AND SILVER BOW
PROJECT ID	STPP 46-7(14)66
UPN	10269000

	CHECKED BY	REVIEWED BY	DESIGNED BY
#####	#####	JDB	R. WIANT
8/11/2023			
6/27/2023			

MONTANA Department of Transportation

ROAD PLANS

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SIGN LOCATION AND SPECIFICATIONS	S2-S9
DETAILS	S10-S11
PLANS	S12-S25

NOTES

BASIS OF PLAN QUANTITIES

(QUANTITIES FOR ESTIMATING PURPOSES ONLY)

COMP. AGGREGATE WEIGHT	= 3700 LBS. PER CUBIC YARD	
COMP. WEIGHT OF PL. MIX BIT. SURF.	= 3855 LBS. PER CUBIC YARD	
ASPHALT CEMENT - GRADE S - 3/4" AGG.	= 5.4% OF PL.MIX BIT.SURF.	
HYDRATED LIME	= 1.4% OF PL.MIX BIT.SURF.	
BITUMINOUS MATERIAL	= 8.5 LBS. PER GAL.	
EMULSIFIED ASPHALT - TACK (ALL OTHER SURFACES)	= 0.05 GAL. PER SQ.YARD	(UNDILUTED)
EMULSIFIED ASPHALT - FOG SEAL (RUMBLE STRIPS)	= 0.10 GAL. PER SQ.YARD	(UNDILUTED)
SEAL	= 0.42 GAL. PER SQ.YARD	
COVER	= 25 LBS. PER SQ.YARD	
JOINT SEALER	= 0.10 GAL. PER SQ.YARD	(UNDILUTED)

WETLANDS

WETLANDS MAY EXIST ADJACENT TO THE ROADWAY AND BEYOND THE PROJECT LIMITS. A WETLAND DELINEATION HAS NOT BEEN COMPLETED FOR THIS PROJECT. IMPACTS TO WETLAND AREAS ARE NOT ANTICIPATED IN ASSOCIATION WITH THE PROPOSED WORK. NO PERMITS HAVE BEEN OBTAINED. ANY ACTION IMPACTING WETLAND AREAS WITHOUT THE APPROPRIATE PERMITTING IS THE RESPONSIBILITY OF THE CONTRACTOR.

AS BUILT

F-43(6)
F-43(25)

UTILITIES

CALL THE UTILITIES UNDERGROUND LOCATION CENTER (811) OR OTHER NOTIFICATION SYSTEM FOR THE MARKING AND LOCATION OF ALL LINES AND SERVICES BEFORE EXCAVATING. ALL CLEARANCES OR DEPTHS PROVIDED FOR UTILITIES ARE FROM EXISTING GROUND LINE.

SHEET NO.
2

TABLE OF CONTENTS AND NOTES

PROJECT NAME: WISE RIVER-EAST
COUNTY: BEAVERHEAD AND SILVER BOW
PROJECT ID: STPP 46-7(14)66
UPN: 10269000

CHECKED BY	####	####
REVIEWED BY	JDB	8/11/2023
DESIGNED BY	R. WIANT	6/27/2023

MONTANA Department of Transportation

ROAD PLANS

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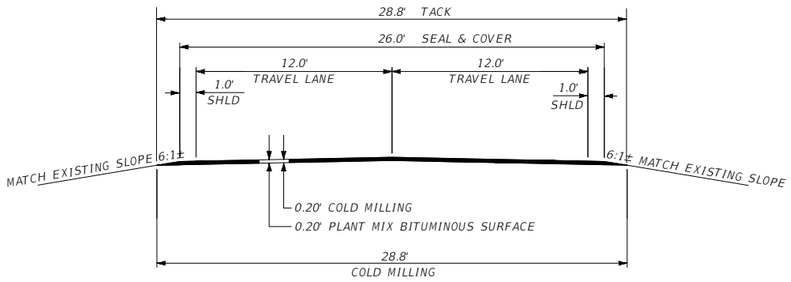
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TYPICAL SECTION NO. 1

MAINLINE

RP 65.325 TO RP 70.614
RP 70.614 TO RP 70.623 TRAN. TYP. SECT. NO. 1 TO TYP. SECT. NO. 2
RP 70.727 TO RP 73.750
RP 73.750 TO RP 73.800 TRAN. TYP. SECT. NO. 1 TO TYP. SECT. NO. 3



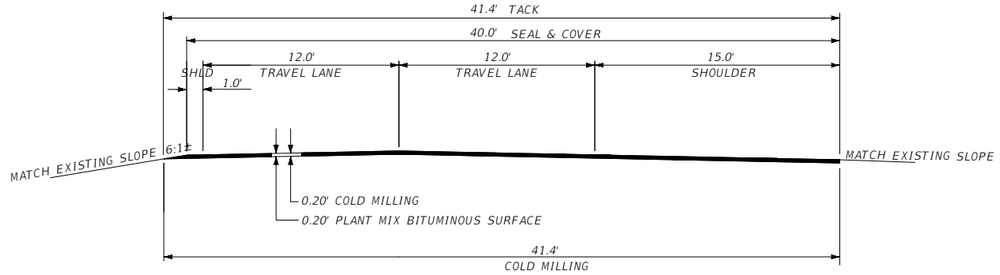
QUANTITIES							
UNIT	AGGREGATE		UNIT	BITUMINOUS MATERIAL			COLD MILLING
	COVER	PLANT MIX		ASPHALT CEMENT	SEAL	EMULSIFIED ASPHALT TACK*	
AREA square feet		5.48	square yards PER STATION		289	320	320
cubic yards PER STATION		20.3	tons PER STATION	2.11	0.52		
tons PER STATION		39.1	gals. PER STATION			16	
square yards PER STATION	289						

*BASED ON 1 APPLICATION

TYPICAL SECTION NO. 2

MAINLINE

RP 70.623 TO RP 70.718
RP 70.718 TO RP 70.727 TRAN. TYP. SECT. NO. 2 TO TYP. SECT. NO. 1



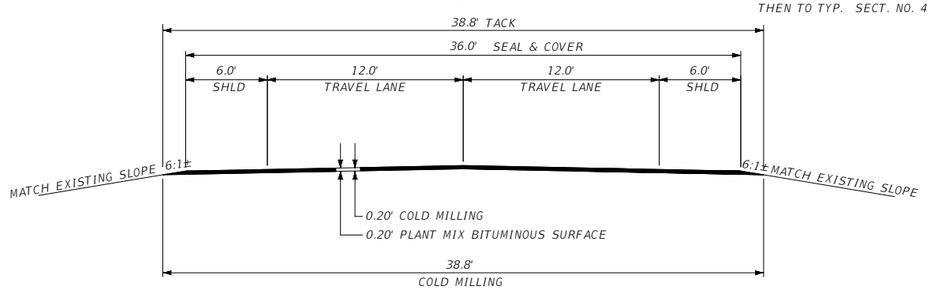
QUANTITIES							
UNIT	AGGREGATE		UNIT	BITUMINOUS MATERIAL			COLD MILLING
	COVER	PLANT MIX		ASPHALT CEMENT	SEAL	EMULSIFIED ASPHALT TACK*	
AREA square feet		8.14	square yards PER STATION		444	460	460
cubic yards PER STATION		30.1	tons PER STATION	3.13	0.79		
tons PER STATION		58.0	gals. PER STATION			23	
square yards PER STATION	444						

*BASED ON 1 APPLICATION

TYPICAL SECTION NO. 3

MAINLINE

RP 73.800 TO RP 75.062 BE
RP 75.062 BE TO RP 75.120 BE
THEN TO TYP. SECT. NO. 4



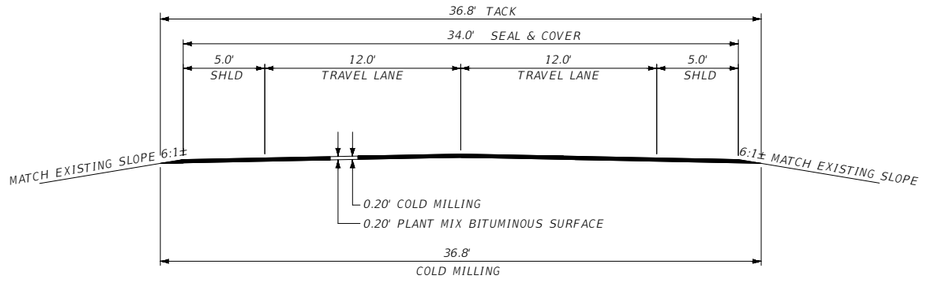
QUANTITIES							
UNIT	AGGREGATE		UNIT	BITUMINOUS MATERIAL			COLD MILLING
	COVER	PLANT MIX		ASPHALT CEMENT	SEAL	EMULSIFIED ASPHALT TACK*	
AREA square feet		7.48	square yards PER STATION		400	431	431
cubic yards PER STATION		27.7	tons PER STATION	2.88	0.71		
tons PER STATION		53.4	gals. PER STATION			22	
square yards PER STATION	400						

*BASED ON 1 APPLICATION

TYPICAL SECTION NO. 4

MAINLINE

RP 75.120 BE TO 76.500



QUANTITIES							
UNIT	AGGREGATE		UNIT	BITUMINOUS MATERIAL			COLD MILLING
	COVER	PLANT MIX		ASPHALT CEMENT	SEAL	EMULSIFIED ASPHALT TACK*	
AREA square feet		7.08	square yards PER STATION		378	409	409
cubic yards PER STATION		26.2	tons PER STATION	2.73	0.67		
tons PER STATION		50.5	gals. PER STATION			20	
square yards PER STATION	378						

*BASED ON 1 APPLICATION

SHEET NO. 3

TYPICAL SECTIONS

PROJECT NAME: WISE RIVER-EAST
COUNTY: BEAVERHEAD AND SILVER BOW
PROJECT ID: STPP 46-7(14)66
UPN: 10269000

CHECKED BY	####	8/11/2023	
REVIEWED BY	####	JDB	5/18/2023
DESIGNED BY	R. WIANT		

10269000RDTYP001.DWG

MONTANA Department of Transportation

ROAD PLANS

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SUMMARY

SURFACING

REFERENCE POST FROM	REFERENCE POST TO	linear feet GROSS	linear feet NET	linear feet +	linear feet -	FOR	tons HYDRATED LIME	AGGREGATE sq. yards COVER TYPE 2	AGGREGATE tons PLANT MIX BIT. SURF. GRADE S 3/4 INCH	BITUMINOUS MATERIAL tons ASPHALT CEMENT PG 58V-34	BITUMINOUS MATERIAL tons EMULSIFIED ASPHALT CHFRS-2P	BITUMINOUS MATERIAL gals. EMULSIFIED ASPHALT TACK	REMARKS
65.325	70.614	27,925.92	27,925.92					80,706	10,919	589.2	145.2	4,468	TYPICAL SECT. NO. 1
70.614	70.623	50.00	50.00					183	24	1.3	0.3	10	TRANS. TYP. SECT. NO. 1 TO TYP. SECT. NO. 2
70.623	70.718	500.00	500.00					2,220	290	15.7	4.0	115	TYPICAL SECT. NO. 2
70.718	70.727	50.00	50.00					183	24	1.3	0.3	10	TRANS. TYP. SECT. NO. 2 TO TYP. SECT. NO. 1
70.727	73.750	15,961.44	15,961.44					46,129	6,241	336.8	83.0	2,554	TYPICAL SECT. NO. 1
73.750	73.800	264.00	264.00					910	122	6.6	1.6	50	TRANS. TYP. SECT. NO. 1 TO TYP. SECT. NO. 3
73.800	75.062 BE	6,663.36	6,663.36					26,653	3,558	191.9	47.3	1,466	TYPICAL SECT. NO. 3
75.062 BE	75.120 BE	306.00			306.00	BRIDGE							
75.120 BE	76.500	7,286.40	7,286.40					27,543	3,680	199.0	48.8	1,457	TYPICAL SECT. NO. 4
						ADDITIONAL SURFACING		1,630	210	11.3	2.9	82	
TOTAL		59,007.12	58,701.12	~	306.00		351	186,157	25,068	1,353.1	333.4	10,212	

ADDITIONAL SURFACING (INCLUDED IN SURFACING FRAME)

REFERENCE POST FROM	REFERENCE POST TO	linear feet GROSS	linear feet NET	linear feet +	linear feet -	FOR	tons HYDRATED LIME	AGGREGATE sq. yards COVER TYPE 2	AGGREGATE tons PLANT MIX BIT. SURF. GRADE S 3/4 INCH	BITUMINOUS MATERIAL tons ASPHALT CEMENT PG 58V-34	BITUMINOUS MATERIAL tons EMULSIFIED ASPHALT CHFRS-2P	BITUMINOUS MATERIAL gals. EMULSIFIED ASPHALT TACK	REMARKS
70.961	71.030					SCALE AREAS - CADD AREA LT.		750	96	5.2	1.3	38	CONCRETE PADS NOT INCLUDED: DO NOT DISTURB
70.961	71.030					SCALE AREAS - CADD AREA RT.		880	114	6.1	1.6	44	CONCRETE PADS NOT INCLUDED: DO NOT DISTURB
SUBTOTAL		~	~	~	~		~	1,630	210	11.3	2.9	82	

COLD MILLING *

REFERENCE POST FROM	REFERENCE POST TO	sq. yards COLD MILLING 0.20 ft		REMARKS
65.325	70.614	89,363		TYP. SECT. NO. 1
70.614	70.623	195		TRANS. TYP. SECT. NO. 1 TO TYP. SECT. NO. 2
70.623	70.718	2,300		TYP. SECT. NO. 2
70.718	70.727	195		TRANS. TYP. SECT. NO. 2 TO TYP. SECT. NO. 1
70.727	73.682	51,077		TYP. SECT. NO. 1
73.682	73.704	991		TRANS. TYP. SECT. NO. 1 TO TYP. SECT. NO. 3
73.704	75.062 BE	28,719		TYP. SECT. NO. 3
75.120 BE	76.500	29,801		TYP. SECT. NO. 4
70.961	71.030	1,630		SCALE AREAS LT. & RT.
SUBTOTAL		204,271		
TOTAL		204,271		

* SEE DETAILS

PAVEMENT MARKINGS

ITEM	UNIT	INTERIM APPLICATION #	FINAL APPLICATION	TOTAL
STRIPING - WHITE PAINT	gallon	828		828
STRIPING - YELLOW PAINT	gallon	782		782
WORDS & SYMBOLS - WHITE PAINT	gallon	2		2
STRIPING - WHITE EPOXY	gallon		551	551
STRIPING - YELLOW EPOXY	gallon		520	520
WORDS & SYMBOLS - WHITE EPOXY	gallon		1	1
TEMPORARY STRIPING	linear feet			113,762
FINAL SWEEP AND BROOM	course mile			11.1

BASED ON 2 APPLICATIONS.

SHEET NO. 4

SUMMARY SHEETS

PROJECT NAME: WISE RIVER-EAST
COUNTY: BEAVERHEAD AND SILVER BOW
PROJECT ID: STPP 46-7(14)66
UPN: 10269000

DESIGNED BY	R. WIANT	5/18/2023	10269000RDSUM001.DWG
REVIEWED BY	JDB	8/11/2023	
CHECKED BY	####	####	

MONTANA Department of Transportation

ROAD PLANS

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SUMMARY

RUMBLE STRIPS

REFERENCE POST FROM	REFERENCE POST TO	miles RUMBLE STRIPS INTER-MITTENT *	miles RUMBLE STRIPS CENTERLINE TYPE 1	sq. yards MISC. ITEMS JOINT SEALER #	gallons EMULSIFIED ASPHALT FOG SEAL **	REMARKS
65.325	73.800		8.5	9,944	997	
73.800	75.062 BE	2.6	1.3	1,481	458	
75.120 BE	76.500	2.8	1.4	1,619	493	
TOTAL		5.4	11.2	13,044	1,948	

* INCLUDES LEFT AND RIGHT MODIFIED SHOULDER RUMBLE STRIPS.
\# SEE SPECIAL PROVISIONS, JOINT SEALER BASED ON 2' WIDTH.
** FOR INFORMATION ONLY, INCLUDE IN THE COST OF RUMBLE STRIPS

GRADING *

REFERENCE POST	cu. yards UNCL. EXC.	REMARKS
67.961	240	COLD MILLINGS AT PULLOUTS
69.926	130	COLD MILLINGS AT PULLOUTS
72.113	100	COLD MILLINGS AT PULLOUTS
72.367	120	COLD MILLINGS AT PULLOUTS
TOTAL	590	

* SEE DETAIL

EQUIPMENT *

REFERENCE POST	hours MOTOR GRADER	REMARKS
67.961	16	COLD MILLINGS AT PULLOUTS
69.926	8	COLD MILLINGS AT PULLOUTS
72.113	8	COLD MILLINGS AT PULLOUTS
72.367	8	COLD MILLINGS AT PULLOUTS
TOTAL	40	

* SEE DETAIL

SHEET NO. 5

SUMMARY SHEETS

PROJECT NAME: WISE RIVER-EAST
COUNTY: BEAVERHEAD AND SILVER BOW
PROJECT ID: STPP 46-7(14)66
UPN: 10269000

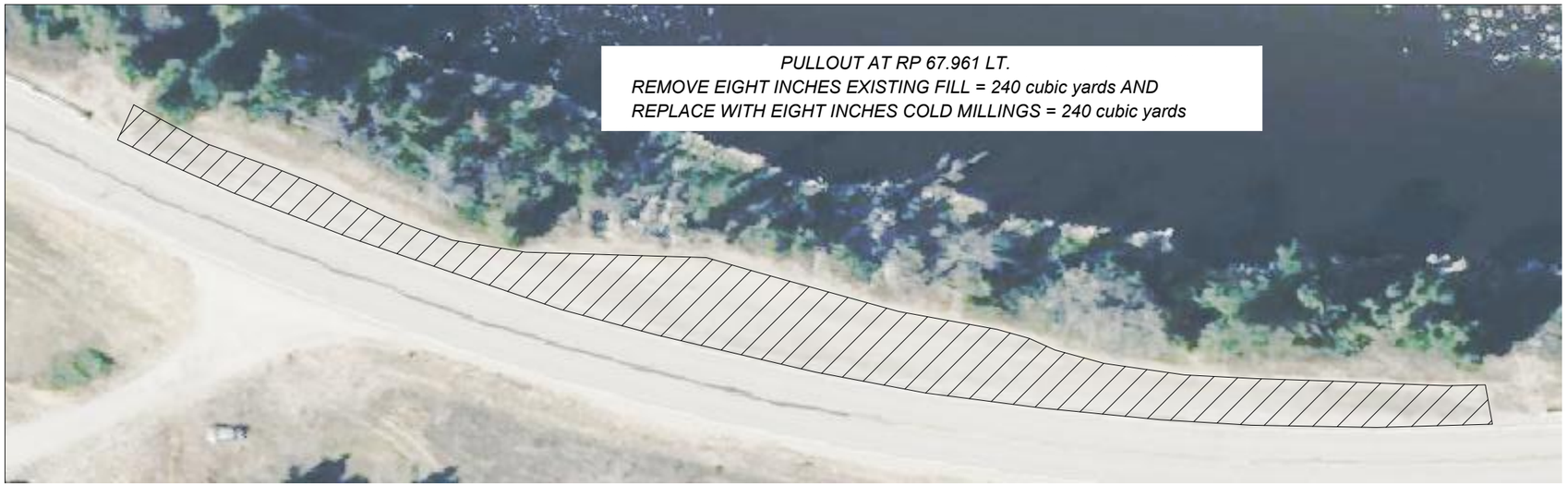
	CHECKED BY	REVIEWED BY	DESIGNED BY
	####	JDB	R. WIANT
	####	8/11/2023	5/18/2023

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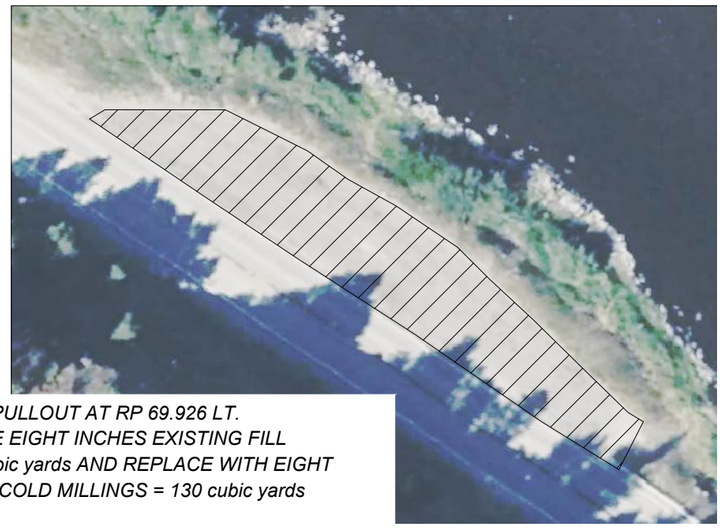
MONTANA Department of Transportation

ROAD PLANS

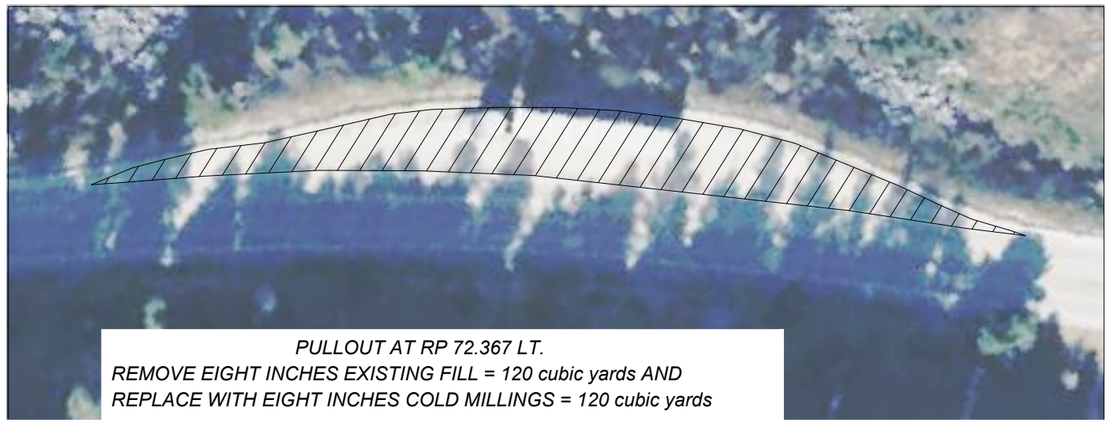
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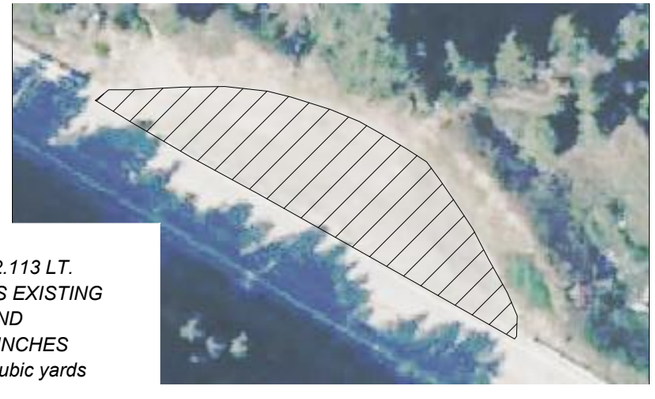
PULLOUT AT RP 67.961 LT.
REMOVE EIGHT INCHES EXISTING FILL = 240 cubic yards AND
REPLACE WITH EIGHT INCHES COLD MILLINGS = 240 cubic yards



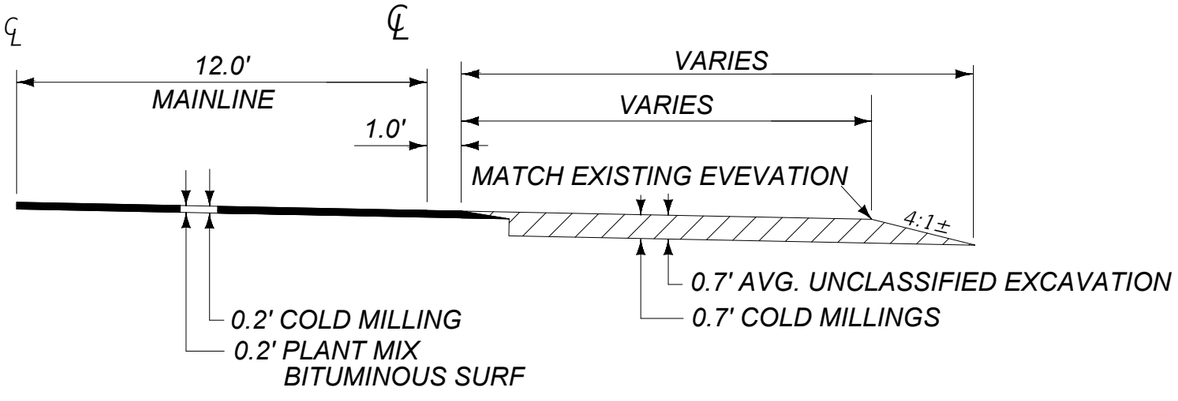
PULLOUT AT RP 69.926 LT.
REMOVE EIGHT INCHES EXISTING FILL
= 130 cubic yards AND REPLACE WITH EIGHT
INCHES COLD MILLINGS = 130 cubic yards



PULLOUT AT RP 72.367 LT.
REMOVE EIGHT INCHES EXISTING FILL = 120 cubic yards AND
REPLACE WITH EIGHT INCHES COLD MILLINGS = 120 cubic yards



PULLOUT AT RP 72.113 LT.
REMOVE EIGHT INCHES EXISTING
FILL = 100 cubic yards AND
REPLACE WITH EIGHT INCHES
COLD MILLINGS = 100 cubic yards



= 0.7' UNCLASSIFIED EXCAVATION
= 0.7' COLD MILLINGS

SHEET NO.
6

DETAIL
COLD MILLING AT PULLOUTS

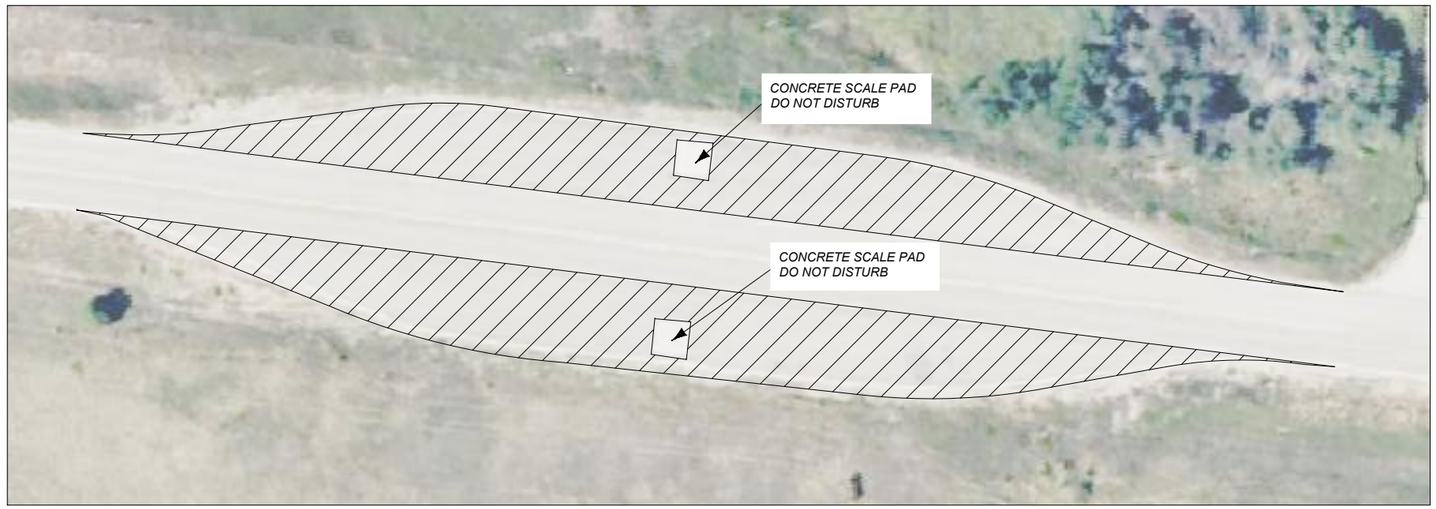
PROJECT NAME: WISE RIVER-EAST
COUNTY: BEAVERHEAD AND SILVER BOW
PROJECT ID: STPP 46-7(14)66
UPN: 10269000

CHECKED BY	####	####	
REVIEWED BY	JDB	8/11/2023	
DESIGNED BY	R. WIANT	6/13/2023	10269000RDTYP001.DWG

MONTANA
Department of Transportation

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SCALE PULLOUT LT.
750 sq yd TOTAL CADD AREA
CONCRETE PAD NOT INCLUDED.

SCALE PULLOUT RT.
880 sq yd TOTAL CADD AREA
CONCRETE PAD NOT INCLUDED.

= 0.2' COLD MILLING
= 0.2' PLANT MIX BITUMINOUS SURFACE

SHEET NO. 7

DETAIL
COLD MILLING & SURFACING
AT SCALE AREA

PROJECT NAME: WISE RIVER-EAST
COUNTY: BEAVERHEAD AND SILVER BOW
PROJECT ID: STPP 46-7(14)66
UPN: 10269000

	CHECKED BY	REVIEWED BY	DESIGNED BY
	#####	JDB	R. WIANT
	#####	8/11/2023	3/13/2023

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SUMMARY
SIGNING & DELINEATION QUANTITIES

MATERIAL	TOTAL	UNIT
SIGNS–SHEET ALUMINUM–REFLECTIVE SHEETING(XI)	1023.2	SQ. FOOT
POST–STEEL "U"	220	POUNDS
POLLS–TREATED WOOD–4" DIA.	654	LINEAR FT.
POLLS–TREATED WOOD–5" DIA.	880	LINEAR FT.
REMOVE SIGNS	144	EACH
DESIGN "D"	60	EACH
DESIGN "F"	544	EACH

FY = TYPE XI FLUORESCENT YELLOW SHEETING REQUIRED.

FYG = TYPE XI FLUORESCENT YELLOW–GREEN SHEETING REQUIRED.

RSFO = REPLACE SIGN FACE ONLY

BBR = BACKBRACING REQUIRED:
–FOR WOOD POST 2"ω 4" REQ'D.
–FOR STRUCTURAL STEEL 2"ω 2"ω," ANGLE IRON REQ'D.

X = STANDARD BREAKAWAY DEVICE:
–FOR WOOD POST SEE DETAILED DRAWING 619–20.
–FOR STRUCTURAL STEEL SEE DETAILED DRAWING 619–13.

Adopt-a-Highway Signing

CONTRACTOR WILL CONFIRM THAT THE GROUP NAME ON THE SIGN (S) CURRENTLY EXISTING AT TIME OF CONSTRUCTION CORRESPONDS TO THE GROUP NAME ON THE SING (S) SHOWN IN PLANS. IF NAME IS DIFFERENT, FIELD PROJECT MANAGER WILL CONTACT TRAFFIC & SAFETY BUREAU SIGNING SECTION WITH CORRECT NAME AND A NEW SIGN DESIGN WILL BE PROVIDED.

SIGN LOCATIONS ARE APPROXIMATE. PROJECT MANAGER TO FIELD ADJUST AS NECESSARY.

SIGNS NOT SHOWN ON PLANS ARE "USE AS IS".

SHEET NO. S1

SUMMARY QUANTITIES SIGNING & DELINEATION

PROJECT NAME: WISE RIVER - EAST
COUNTY: BEAVERHEAD AND SILVERBOW
PROJECT ID: STPP 46-7(14)66
UPN: 10269000

DESIGNED BY	MM/YYYY
S MORANO	
REVIEWED BY	MM/YYYY
FIRST INITIAL LAST NAME	
CHECKED BY	MM/YYYY
N STYREN	

10269000SIMAP001.DWG

MONTANA Department of Transportation

SIGNING PLANS

AWARD COPY

SHEET NO. S2

SIGN LOCATION AND SPECIFICATIONS

SIGN LOCATION			SIGN PANEL SPECIFICATIONS																					SIGN ASSEMBLY QUANTITIES										ADDITIONAL SIGN INFORMATION	
												FEET			FEET									PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)		STEEL POST (LBS.)			REMV		RESET			
STATION / R.P.		DIRECTON	RAMP NO.	SIGN NO. (MUTCD)	PANEL SIZE (INCHES)			REFLECTIVE SHEETING TYPE		FY OR FYG	BACK BRACING REQ'D ANGLE IRON REQ'D	DOUBLE FACE SIGN / MOUNT BACK TO BACK	REPLACE SIGN FACE ONLY	CLEARANCE/OFFSET (SHOULDER TO EDGE OF SIGN)	SLOPE	TYPE OF SUPPORT	SIGN SUPPORT SPACING	MOUNTING HEIGHT	SIGN HEIGHT + GAPS	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED)			CANTILEVER	BREAKAWAY TYPE	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	SQUARE TUBULAR	"U" POST		SIGN	GUIDE	SIGN	GUIDE	SIGN TEXT	REMARKS
LFT	MDN	RGT			W	X	H	BG	LEG											X	Y	Z														
65.300		EB																																	
X				S1-1	30	X	30	XI		FYG				10.00		5" Treated Wood Pole		5.00		3.5	14.5				X	6.3			16.00			1				SCHOOL CROSSING	REPLACE = S1-1
				W16-9P	24	X	12	XI		FYG																2.0										AHEAD	REMOVE = W16-2AP 300 FT NEW = W16-9P (AHEAD)
65.300		EB														4" Treated Wood Pole																				
		X		R2-1	24	X	30	XI	XI					10.00				5.00		3.0	12.3					5.0		14.00				1				SPEED LIMIT {___}	REPLACE = R2-1 (50)
65.329		EB																																	
		X		W8-12A				XI																												ICY SPOTS	USE AS IS = ICY SPOTS NEXT 10 MILES
65.415		EB														4" Treated Wood Pole																				
		X		M1-5	24	X	24	XI	XI					10.00				5.00		3.0	11.7					4.0		12.00				1				MONTANA {___}	REPLACE = MONTANA 43
65.480		EB														5" Treated Wood Pole					12.6				X											
		X		G46-65a	84	X	36	XI	XI					10.00				7.00		4.0		12.6			21.0			28.00								DISTANCE	REPLACE = DISTANCE DIVIDE 12, BUTTE 37
65.536		EB																																	
		X		USFS				XI																												US Forest Service Sign	USE AS IS = USFS RANGER STATION
65.596		EB														4" Treated Wood Pole																				
X				R2-1	24	X	30	XI	XI					10.00				5.00		3.0	12.3					5.0		14.00				1				SPEED LIMIT {___}	REPLACE = R2-1 (60)
65.612		EB														4" Treated Wood Pole																				
		X		R1-1	30	X	30	XI	XI					6.00				5.00		3.0	12.3					5.2		14.00				1				STOP	REPLACE = R1-1
65.651		EB														4" Treated Wood Pole																				
		X		W11-3	30	X	30	XI	XI					10.00				5.00		3.0	13.3					6.3		14.00				1				DEER XING	REPLACE = DEER X
65.777		EB																																	
X				R2-1		X		XI																								1				SPEED LIMIT {___}	REMOVE = R2-1 (50)
65.892		EB																																	
X				N7-1	36	X	48	XI	XI				RSFO	20.00																						ADOPT A HIGHWAY	RSFO = N7-1
65.892		EB																																	
		X		N7-1	36	X	48	XI	XI				RSFO	20.00																						ADOPT A HIGHWAY	RSFO = N7-1
				N7-1P	36	X	12	XI	XI																	3.0										SUPP TO N7-1	REPLACE = N7-1P USFS EMPLOYEES
65.990		EB														4" Treated Wood Pole																				
X				W3-5	36	X	36	XI	XI					10.00				5.00		3.0	12.3					9.0		14.00				1				REDUCED SPEED	REMOVE = R2-5a NEW = W3-5 (50)
66.000		EB														2.0lb Steel U Post																				
		X		D10-2	10	X	27	XI	XI					4.00				4.00		3.0	10.0					3.8					20.00					MILE MARKER {___}	REPLACE = (2) D10-2 REFERENCE POST 66
67.000		EB														2.0lb Steel U Post																				
		X		D10-2	10	X	27	XI	XI					4.00				4.00		3.0	10.0					3.8					20.00		1			MILE MARKER {___}	REPLACE = (2) D10-2 REFERENCE POST 67
67.092		EB																																	
		X		USFS				XI																												US Forest Service Sign	USFS = USE AS IS JERRY CREEK BRIDGE
67.164		EB														4" Treated Wood Pole																				
X				D3	42	X	10	XI	XI					6.00				5.00		3.5	12.7					5.8		14.00				1				{street name}	REPLACE = JERRY CR RD
		EB																																	
				R1-1	30	X	30	XI	XI																	5.2						1				STOP	REPLACE = R1-1

PROJECT NAME: WISE RIVER - EAST

COUNTY: BEAVERHEAD AND SILVERBOW

PROJECT ID: STPP 46-7(14)66

UPN: 10269000

DESIGNED BY	MM/YYYY
S MORANO	
REVIEWED BY	MM/YYYY
FIRST INITIAL LAST NAME	
CHECKED BY	MM/YYYY
N STYREN	

10269000SIMAP001.DWG

MONTANA Department of Transportation

SIGNING PLANS

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SHEET NO. S3

SIGN LOCATION AND SPECIFICATIONS

SIGN LOCATION			SIGN PANEL SPECIFICATIONS																																ADDITIONAL SIGN INFORMATION	
												FEET			FEET									SIGN ASSEMBLY QUANTITIES												
																								PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)		STEEL POST (LBS.)			REMV		RESET			
STATION / R.P.		DIRECTION	RAMP NO.	SIGN NO. (MUTCD)	PANEL SIZE (INCHES)			REFLECTIVE SHEETING TYPE		FY OR FYG	BACK BRACING REQ'D ANGLE IRON REQ'D	DOUBLE FACE SIGN / MOUNT BACK TO BACK	REPLACE SIGN FACE ONLY	CLEARANCE/OFFSET (SHOULDER TO EDGE OF SIGN)	SLOPE	TYPE OF SUPPORT	SIGN SUPPORT SPACING	MOUNTING HEIGHT	SIGN HEIGHT + GAPS	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED)			CANTILEVER	BREAKAWAY TYPE	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	SQUARE TUBULAR	"U" POST		SIGN	GUIDE	SIGN	GUIDE	SIGN TEXT	REMARKS
LFT	MDN	RGT			W	X	H	BG	LEG											X	Y	Z														
67.199		EB																																		
		X		W8-11	30	X	30	XI	XI					10.00		4" Treated Wood Pole		5.00		3.5	12.3					6.3		14.00					1				FALLEN ROCK	REPLACE = W8-11A REMOVE = FALLEN ROCK (SUPPLEMENTAL)
		EB																																		
		X		W13-1	18	X	18	XI		FY																2.3							1				{___} MPH	REPLACE = W13-1p (35)
67.275		EB																																		
X				USFS		X		XI																													US Forest Service Sign	USFS = USE AS IS JERRY CREEK BRIDGE
67.451		EB																																		
		X		W1-2R	30	X	30	XI	XI				RSFO																					1				CURVE ARROW-RIGHT	RSFO = W1-2R
67.582		EB																																		
X				W1-2L	30	X	30	XI		FY				10.00		4" Treated Wood Pole		5.00		3.0	13.3					6.3		14.00					1				CURVE ARROW-LEFT	REPLACE = W1-2L
67.778		EB																																		
		X		W1-5R	30	X	30	XI		FY				10.00		4" Treated Wood Pole		5.00		3.0	13.8					6.3		14.00					1				MULTIPLE CURVES ARROW-RT	REPLACE = W1-5R
		EB																																		
		X		W13-1	18	X	18	XI		FY																2.3							1				{___} MPH	REPLACE = W13-1p (40)
67.838		EB																																		
		X		W1-8	24	X	30	XI		FY				10.00		5" Treated Wood Pole		5.00		3.5	12.3			X		10.0			14.00				1				DIRECTIONAL ARROW-CHEVRON	REPLACE = (2) W1-8 CHEVRONS
67.868		EB																																		
		X		W1-8	24	X	30	XI		FY				10.00		5" Treated Wood Pole		5.00		3.5	12.3			X		10.0			14.00				1				DIRECTIONAL ARROW-CHEVRON	REPLACE = (2) W1-8 CHEVRONS
67.899		EB																																		
		X		W1-8	24	X	30	XI		FY				10.00		5" Treated Wood Pole		5.00		3.5	12.3			X		10.0			14.00				1				DIRECTIONAL ARROW-CHEVRON	REPLACE = (2) W1-8 CHEVRONS
67.928		EB																																		
		X		W1-8	24	X	30	XI		FY				10.00		5" Treated Wood Pole		5.00		3.5	12.3			X		10.0			14.00				1				DIRECTIONAL ARROW-CHEVRON	REPLACE = (2) W1-8 CHEVRONS
67.952		EB																																		
		X		W1-8	24	X	30	XI		FY				10.00		5" Treated Wood Pole		5.00		3.5	12.3			X		10.0			14.00				1				DIRECTIONAL ARROW-CHEVRON	REPLACE = (2) W1-8 CHEVRONS
68.000		EB																																		
		X		D10-2	10	X	27	XI	XI					4.00		2.0lb Steel U Post		4.00		3.0	10.0										20.00		1				MILE MARKER {___}	REPLACE = (2) D10-2 REFERENCE POST 68
68.000		EB																																		
X				N7-1	36	X	48	XI	XI					20.00		5" Treated Wood Pole		7.00		3.5	14.7					12.0			16.00				1				ADOPT A HIGHWAY	REPLACE = N7-1 FROM 68.031
		EB																																		
				N7-1P		X		XI																									1				SUPP TO N7-1	REMOVE = N7-1p (THOMPSON CORNER)
68.031		EB																																		
		X		W1-8	24	X	30	XI		FY				10.00		5" Treated Wood Pole		5.00		3.5	12.3					10.0			14.00				1				DIRECTIONAL ARROW-CHEVRON	REPLACE = (2) W1-8 CHEVRONS
68.000		EB																																		
		X		N7-1	36	X	48	XI	XI					20.00		5" Treated Wood Pole		7.00		3.5	14.7			X		12.0			16.00				1				ADOPT A HIGHWAY	MOVE = N7-1 FROM 68.041
68.061		EB																																		
		X		W1-8	24	X	30	XI		FY				10.00		5" Treated Wood Pole		5.00		3.5	12.3			X		10.0			14.00				1				DIRECTIONAL ARROW-CHEVRON	REPLACE = (2) W1-8 CHEVRONS
68.071		EB																																		
		X		W8-5		X																															SLIPPERY WHEN WET (symbol)	REMOVE = W8-5 (SLIPPERY WHEN WET)
68.086		EB																																		
		X		W1-8	24	X	30	XI		FY				10.00		5" Treated Wood Pole		5.00		3.5	12.3			X		10.0			14.00				1				DIRECTIONAL ARROW-CHEVRON	REPLACE = (2) W1-8 CHEVRONS

PROJECT NAME: WISE RIVER - EAST
COUNTY: BEAVERHEAD AND SILVERBOW
PROJECT ID: STPP 46-7(14)66
UPN: 10269000

DESIGNED BY	MM/YYYY	REVIEWED BY	MM/YYYY	CHECKED BY	MM/YYYY
S MORANO		FIRST INITIAL LAST NAME		N STYREN	

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MONTANA Department of Transportation

SIGNING PLANS

AWARD COPY

SHEET NO.
S4

SIGN LOCATION AND SPECIFICATIONS

SIGN LOCATION			SIGN PANEL SPECIFICATIONS																																ADDITIONAL SIGN INFORMATION	
STATION / R.P.		DIRECTON	RAMP NO.	SIGN NO. (MUTCD)	PANEL SIZE (INCHES)			REFLECTIVE SHEETING TYPE		FY OR FYG	BACK BRACING REQ'D ANGLE IRON REQ'D	DOUBLE FACE SIGN / MOUNT BACK TO BACK	REPLACE SIGN FACE ONLY	FEET	SLOPE	TYPE OF SUPPORT	FEET						CANTILEVER	BREAKAWAY TYPE	SIGN ASSEMBLY QUANTITIES												
																											PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)		STEEL POST (LBS.)			REMV		RESET			
LFT	MDN	RGT			W	X	H	BG	LEG					CLEARANCE/OFFSET (SHOULDER TO EDGE OF SIGN)			SIGN SUPPORT SPACING	MOUNTING HEIGHT	SIGN HEIGHT + GAPS	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z			SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	SQUARE TUBULAR	"U" POST		SIGN	GUIDE	SIGN	GUIDE	SIGN TEXT	REMARKS
68.121		EB																																		
		X		W1-8	24	X	30	XI		FY				10.00		5" Treated Wood Pole		5.00		3.5	12.3				X	10.0			14.00				1				DIRECTIONAL ARROW-CHEVRON	REPLACE = (2) W1-8 CHEVRONS
68.232		EB																																		
		X		W1-8	24	X	30	XI		FY				10.00		5" Treated Wood Pole		5.00		3.5	12.3				X	10.0			14.00				1				DIRECTIONAL ARROW-CHEVRON	REPLACE = (2) W1-8 CHEVRONS
68.262		EB																																		
		X		W1-8	24	X	30	XI		FY				10.00		5" Treated Wood Pole		5.00		3.5	12.3				X	10.0			14.00				1				DIRECTIONAL ARROW-CHEVRON	REPLACE = (2) W1-8 CHEVRONS
68.287		EB																																		
		X		W1-8	24	X	30	XI		FY				10.00		5" Treated Wood Pole		5.00		3.5	12.3				X	10.0			14.00				1				DIRECTIONAL ARROW-CHEVRON	REPLACE = (2) W1-8 CHEVRONS
68.348		EB																																		
		X		W1-8	24	X	30	XI		FY				10.00		5" Treated Wood Pole		5.00		3.5	12.3				X	10.0			14.00				1				DIRECTIONAL ARROW-CHEVRON	REPLACE = (2) W1-8 CHEVRONS
68.378		EB																																		
		X		W1-8	24	X	30	XI		FY				10.00		5" Treated Wood Pole		5.00		3.5	12.3				X	10.0			14.00				1				DIRECTIONAL ARROW-CHEVRON	REPLACE = (2) W1-8 CHEVRONS
68.413		EB																																		
		X		W1-8	24	X	30	XI		FY				10.00		5" Treated Wood Pole		5.00		3.5	12.3				X	10.0			14.00				1				DIRECTIONAL ARROW-CHEVRON	REPLACE = (2) W1-8 CHEVRONS
68.474		EB																																		
X				W1-8	24	X	30	XI		FY				10.00		5" Treated Wood Pole		5.00		3.5	12.3				X	10.0			14.00				1				DIRECTIONAL ARROW-CHEVRON	REPLACE = (2) W1-8 CHEVRONS
68.503		EB																																		
X				W1-8	24	X	30	XI		FY				10.00		5" Treated Wood Pole		5.00		3.5	12.3				X	10.0			14.00				1				DIRECTIONAL ARROW-CHEVRON	REPLACE = (2) W1-8 CHEVRONS
68.534		EB																																		
X				W1-8	24	X	30	XI		FY				10.00		5" Treated Wood Pole		5.00		3.5	12.3				X	10.0			14.00				1				DIRECTIONAL ARROW-CHEVRON	REPLACE = (2) W1-8 CHEVRONS
68.564		EB																																		
X				W1-8	24	X	30	XI		FY				10.00		5" Treated Wood Pole		5.00		3.5	12.3				X	10.0			14.00				1				DIRECTIONAL ARROW-CHEVRON	REPLACE = (2) W1-8 CHEVRONS
68.589		EB																																		
X				W1-8	24	X	30	XI		FY				10.00		5" Treated Wood Pole		5.00		3.5	12.3				X	10.0			14.00				1				DIRECTIONAL ARROW-CHEVRON	REPLACE = (2) W1-8 CHEVRONS
68.620		EB																																		
X				W1-8	24	X	30	XI		FY				10.00		5" Treated Wood Pole		5.00		3.5	12.3				X	10.0			14.00				1				DIRECTIONAL ARROW-CHEVRON	REPLACE = (2) W1-8 CHEVRONS
68.644		EB																																		
X				W1-8	24	X	30	XI		FY				10.00		5" Treated Wood Pole		5.00		3.5	12.3				X	10.0			14.00				1				DIRECTIONAL ARROW-CHEVRON	REPLACE = (2) W1-8 CHEVRONS
68.705		EB																																		
X				W1-5R	30	X	30	XI		FY				10.00		4" Treated Wood Pole		5.00		3.0	13.8				X	6.3		14.00					1				MULTIPLE CURVES ARROW-RT	REPLACE = W1-5R
		EB																																		
X				W13-1	18	X	18	XI		FY																	2.3							1				{___} MPH	REPLACE = W13-1p (40)
68.800		EB																																		
		X		W11-3	30	X	30	XI	XI					10.00		4" Treated Wood Pole		5.00		3.0	13.3				X	6.3		14.00					1				DEER XING	REPLACE = DEER X
69.000		EB																																		
		X		D10-2	10	X	27	XI	XI					4.00		2.0lb Steel U Post		4.00		3.0	10.0										20.00		1				MILE MARKER {___}	REPLACE = (2) D10-2 REFERENCE POST 69
69.118		EB																																		
X				W1-2L	30	X	30	XI		FY				10.00		4" Treated Wood Pole		5.00		3.0	13.3				X	6.3		14.00					1				CURVE ARROW-LEFT	REPLACE = W1-2L
69.206		EB																																		
		X		W8-12A				XI																													ICY SPOTS	USE AS IS = ICY SPOTS NEXT 10 MILES
69.892		EB																																		
		X		W8-11	30	X	30	XI	XI					10.00		4" Treated Wood Pole		5.00		3.5	12.3				X	6.3		14.00					1				FALLEN ROCK	REPLACE = W8-11a FALLEN ROCK
69.946		EB																																		
		X		W14-3	36	X	48	XI		FY	BBR			10.00		4" Treated Wood Pole		5.00		3.0	12.3				X	12.0		14.00					1				NO PASSING ZONE	REPLACE = W14-3
69.976		EB																																		
X				N7-1																														1				ADOPT A HIGHWAY	REMOVE = N7-1

PROJECT NAME: WISE RIVER - EAST
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PROJECT ID: STPP 46-7(14)66
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S MORANO		FIRST INITIAL LAST NAME		N STYREN	

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MONTANA
Department of Transportation

SIGNING PLANS

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SHEET NO. S5

| SIGN LOCATION | | | SIGN PANEL SPECIFICATIONS | | |

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SHEET NO. S6

| SIGN LOCATION | | | | SIGN PANEL SPECIFICATIONS | | | |

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SHEET NO. S7

SIGN LOCATION AND SPECIFICATIONS

| SIGN LOCATION | | | SIGN PANEL SPECIFICATIONS | | |

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SHEET NO. S8

SIGN LOCATION			SIGN PANEL SPECIFICATIONS																																ADDITIONAL SIGN INFORMATION	
												FEET			FEET								SIGN ASSEMBLY QUANTITIES													
																							PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)		STEEL POST (LBS.)			REMV		RESET			
STATION / R.P.		DIRECTON	RAMP NO.	SIGN NO. (MUTCD)	PANEL SIZE (INCHES)			REFLECTIVE SHEETING TYPE		FY OR FYG	BACK BRACING REQ'D ANGLE IRON REQ'D	DOUBLE FACE SIGN / MOUNT BACK TO BACK	REPLACE SIGN FACE ONLY	CLEARANCE/OFFSET (SHOULDER TO EDGE OF SIGN)	SLOPE	TYPE OF SUPPORT	SIGN SUPPORT SPACING	MOUNTING HEIGHT	SIGN HEIGHT + GAPS	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED)			CANTILEVER	BREAKAWAY TYPE	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	SQUARE TUBULAR	"U" POST		SIGN	GUIDE	SIGN	GUIDE	SIGN TEXT	REMARKS
LFT	MDN	RGT			W	X	H	BG	LEG												X	Y	Z														
74.000		EB																																		
		X		D10-2	10	X	27	XI	XI					4.00		2.0lb Steel U Post		4.00		3	10.0					3.8					20.00		1				MILE MARKER {___}	REPLACE = (2) D10-2 REFERENCE POST 74
74.118		EB		FWP																																
X				USE AS IS																							0.0										FISHING ACCESS	FWP = USE AS IS POWERHOUSE
74.214		EB																																		
X				W1-2R	30	X	30	XI		FY				10.00		5" Treated Wood Pole		5.00		3	12.3					6.3			14.00				1				CURVE ARROW-RIGHT	REPLACE = W1-2R
74.636		EB		STATE																																
		X		LANDS																																	STATE LANDS	US AS IS = SAWMILL GULCH RD
74.652		EB																																			
X				W1-5R	30	X	30	XI		FY				10.00		4" Treated Wood Pole		5.00		3.0	13.8					6.3		14.00					1				MULTIPLE CURVES ARROW-RT	REPLACE = W1-5R
74.782		EB		STATE																																
X				LANDS																																	STATE LANDS	US AS IS = SAWMILL GULCH RD
74.846		EB		STATE																																
		X		LANDS																																	STATE LANDS	US AS IS = DIVIDE BRIDGE RECREATION AREA
74.857		EB																																			
		X		W8-12B																																	WATCH FOR ICE ON BRIDGE	US AS IS = W8-12b WATCH FOR ICE ON BRIDGE
74.936		EB																																		
X				W8-11	30	X	30	XI	XI					10.00		4" Treated Wood Pole		5.00		3.5	12.3					6.3		14.00					1				FALLEN ROCK	REPLACE = W8-11A REMOVE = FALLEN ROCK (SUPPLEMENTAL)
		EB																																		
X				W13-1	18	X	18	XI		FY																2.3							1				{___} MPH	REPLACE = W13-1p (35)
74.925		EB																																		
		X		R1-1	30	X	30	XI	XI					6.00		4" Treated Wood Pole		5.00		3.0	12.5					5.2		14.00					1				STOP	REPLACE = R1-1
74.936		EB																																		
		X		N7-1	36	X	48	XI	XI				RSFO													12.0											ADOPT A HIGHWAY	RSOF = N7-1
		EB																																		
		X		N7-1P	36	X	12	XI	XI																	3.0											SUPP TO N7-1	REPLACE = N7-1P (BIG HOLE RIVER FOUNDATION)
75.000		EB																																		
		X		D10-2	10	X	27	XI	XI					4.00		2.0lb Steel U Post		4.00		3.0	10.0					3.8					20.00		1				MILE MARKER {___}	REPLACE = (2) D10-2 REFERENCE POST 75
75.055		EB																																			
X				N6-3	24	X	42	XI	XI				RSFO													7.0											{_____} COUNTY	RSFO = N6-3 BEAVERHEAD COUNTY
75.055		EB																																			
		X		N6-2b	36	X	18	XI	XI				RSFO													4.5											{river name}	RSFO = N6-2b BIG HOLE RIVER
75.115		EB																																			
X				N6-2b	36	X	18	XI	XI				RSFO													4.5											{river name}	RSFO = N6-2b BIG HOLE RIVER
75.115		EB																																			
		X		N6-3	24	X	42	XI	XI				RSFO													7.0											{_____} COUNTY	RSFO = N6-3 SILVER BOW COUNTY
75.162		EB		STATE																																		
X				LANDS																																	STATE LANDS	US AS IS = DIVIDE BRIDGE RECREATION AREA
75.206		EB																																			
X				W8-12B	36	X	36	XI	XI					10.00		5" Treated Wood Pole		5.00		3.5	12.3					7.1			14.00				1				WATCH FOR ICE ON BRIDGE	REPLACE = W8-12b WATCH FOR ICE ON BRIDGE
75.212																																				
X				D3																													4				{street name}	REMOVE = (2) D3 HWY 43/ PUMPHOUSE RD
75.216		EB																																			
X				D3	42		10	XI	XI					6.00		5" Treated Wood Pole		5.00		3.5	13.3					5.8			14.00				2				{street name}	REPLACE = (2) D3 HWY 43
		EB																																		
X				D3	42		10	XI	XI																	5.8							2				{street name}	REPLACE = (2) D3 PUMPHOUSE RD
		EB																																			
X				R1-1	30	X	30	XI	XI																	6.3							1				STOP	REPLACE = R1-1

SIGN LOCATION AND SPECIFICATIONS

PROJECT NAME: WISE RIVER - EAST

COUNTY: BEAVERHEAD AND SILVERBOW

PROJECT ID: STPP 46-7(14)66

UPN: 10269000

DESIGNED BY	MM/YYYY
S MORANO	
REVIEWED BY	MM/YYYY
FIRST INITIAL LAST NAME	
CHECKED BY	MM/YYYY
N STYRIEN	

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MONTANA Department of Transportation

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SHEET NO.
S9

SIGN LOCATION AND SPECIFICATIONS

SIGN LOCATION			SIGN PANEL SPECIFICATIONS																															ADDITIONAL SIGN INFORMATION	
												FEET			FEET								SIGN ASSEMBLY QUANTITIES													
																							PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)		STEEL POST (LBS.)			REMV		RESET			
STATION / R.P.		DIRECTON	RAMP NO.	SIGN NO. (MUTCD)	PANEL SIZE (INCHES)			REFLECTIVE SHEETING TYPE		FY OR FYG	BACK BRACING REQ'D ANGLE IRON REQ'D	DOUBLE FACE SIGN / MOUNT BACK TO BACK	REPLACE SIGN FACE ONLY	CLEARANCE/OFFSET (SHOULDER TO EDGE OF SIGN)	SLOPE	TYPE OF SUPPORT	SIGN SUPPORT SPACING	MOUNTING HEIGHT	SIGN HEIGHT + GAPS	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED)			CANTILEVER	BREAKAWAY TYPE	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	SQUARE TUBULAR	"U" POST		SIGN	GUIDE	SIGN	GUIDE	SIGN TEXT	REMARKS
LFT	MDN	RGT			W	X	H	BG	LEG												X	Y	Z														
75.228		EB														4" Treated Wood Pole																					
		X		D3	42	X	10	XI	XI					6.00				5.00		3.5	14.0					5.8		14.00					1				{street name}	REPLACE = (2) D3 CADDIS LN
		EB																																			
		X		R1-1	30	X	30	XI	XI																	6.3							1				STOP	REPLACE = R1-1
75.341		EB																																			
X				W8-12A																																	ICY SPOTS	USE AS IS = W8-12a ICY SPOTS NEXT 10 MILES
75.484		EB									BBR					4" Treated Wood Pole																					
		X		W14-3	36	X	48	XI		FY				10.00				5.00		3.0	13.0					12.0		14.00					1				NO PASSING ZONE	REPLACE = W14-3
75.484		EB									BBR					4" Treated Wood Pole																					
X				W14-3	36	X	48	XI		FY				10.00				5.00		3.0	13.0					12.0		14.00					1				NO PASSING ZONE	REPLACE = W14-3
75.908		EB									BBR					4" Treated Wood Pole																					
		X		W14-3	36	X	48	XI		FY				10.00				5.00		3.0	13.0					12.0		14.00					1				NO PASSING ZONE	REPLACE = W14-3
76.000		EB														2.0lb Steel U Post																					
		X		D10-2	10	X	27	XI	XI					4.00				4.00		3.0	10.0					3.8					20.00		1				MILE MARKER {___}	REPLACE = (2) D10-2 REFERENCE POST 76
76.370		EB														4" Treated Wood Pole																					
		X		W3-5	36	X	36	XI	XI					10.00				5.00		3.0	12.3					9.0		14.00					1				REDUCED SPEED	REMOVE = R2-5a NEW = W3-5 (45)
76.442		EB														4" Treated Wood Pole																					
X				W11-3	30	X	30	XI	XI					10.00				5.00		3.0	13.3					6.3		14.00					1				DEER XING	REPLACE = DEER X
76.470		EB														4" Treated Wood Pole																					
		X		R2-1	24	X	30	XI	XI					10.00				5.00		3.0	12.3					5.0		14.00					1				SPEED LIMIT {___}	REPLACE = R2-1 (45)
76.532		EB														4" Treated Wood Pole																					
X				R2-1	24	X	30	XI	XI					10.00				5.00		3.0	12.3					5.0		14.00					1				SPEED LIMIT {___}	REPLACE = R2-1 (60)
76.542		EB									BBR					4" Treated Wood Pole																					
X				W14-3	36	X	48	XI		FY				10.00				5.00		3.0	13.0					12.0		14.00					1				NO PASSING ZONE	REPLACE = W14-3
76.568		EB														4" Treated Wood Pole																					
		X		S1-1	30	X	30	XI		FYG				10.00				5.00		3.5	13.0					6.3		14.00					1				SCHOOL CROSSING	REPLACE = S1-1
		EB																																			
		X		W16-9P	24	X	12	XI		FYG																2.0											AHEAD	NEW = W16-9P (AHEAD)
76.586		EB																																			
		X		R2-1	24	X	30	XI	XI			RSFO																										SPEED LIMIT {___}	RSFO = R2-1 (45) FLASHER
76.596		EB																																			
		X		N6-1	48	X	18	XI	XI			RSFO																										ENTERING {town}	RSFO = DIVIDE
76.726		EB																																			
X				R2-1	24	X	30	XI	XI			RSFO																										SPEED LIMIT {___}	RSFO = R2-1 (45) FLASHER
76.782		EB														4" Treated Wood Pole																					
X				S1-1	30	X	30	XI		FYG				10.00				5.00		3.5	13.0					6.3		14.00					1				SCHOOL CROSSING	REPLACE = S1-1
		EB																																			
X				W16-9P	24	X	12	XI		FYG																2.0											AHEAD	NEW = W16-9P (AHEAD)
																	TOTAL				1458.2	41.6	0.0	0.0	33.0	1023.3	0.0	654.0	880.0	0.0	220.0	0.0	144.0	0.0	0.0	0.0		

PROJECT NAME: WISE RIVER - EAST
COUNTY: BEAVERHEAD AND SILVERBOW
PROJECT ID: STPP 46-7(14)66
UPN: 10269000

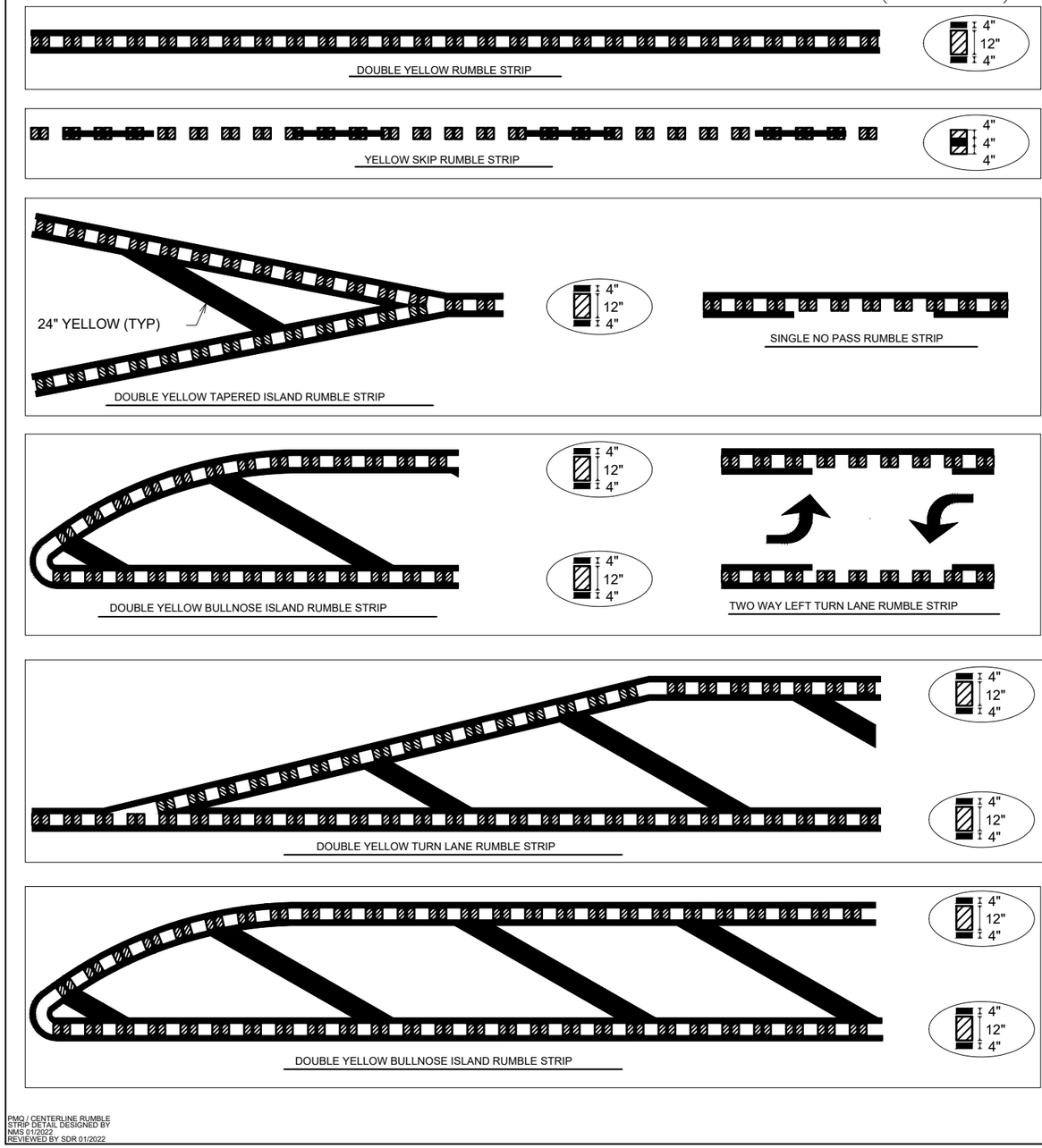
DESIGNED BY	MM/YYYY
S MORANO	
REVIEWED BY	MM/YYYY
FIRST INITIAL LAST NAME	
CHECKED BY	MM/YYYY
N STYREN	

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MONTANA
Department of Transportation

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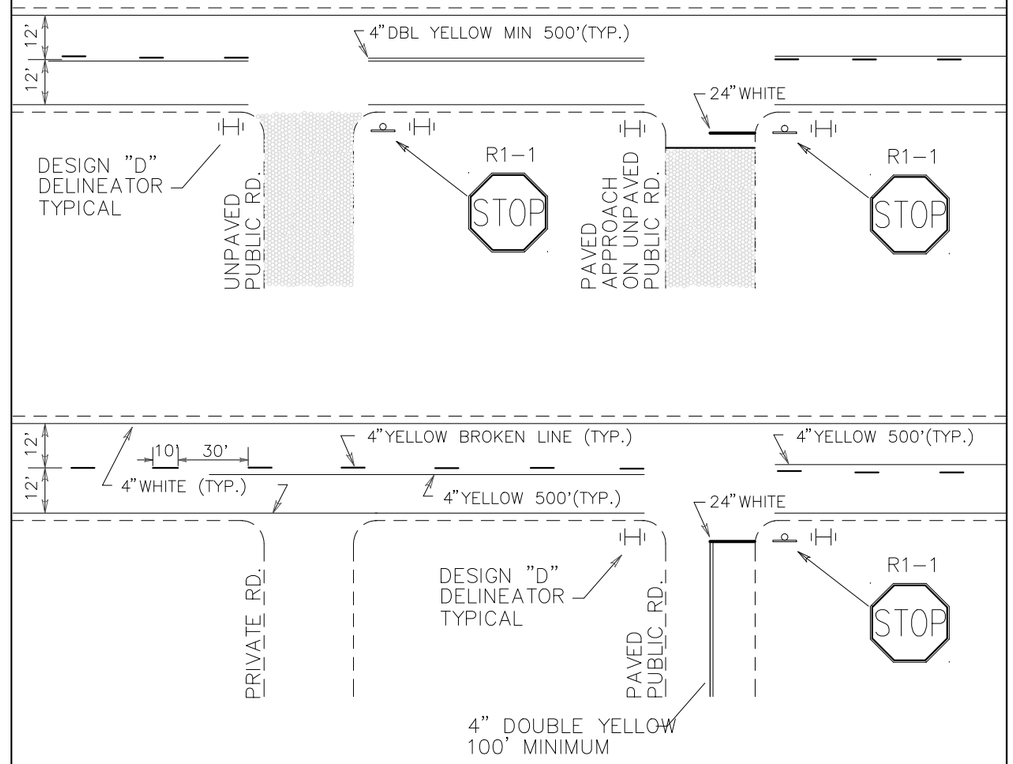
TYPICAL RURAL CENTERLINE PAVEMENT MARKING AND RUMBLE STRIP, SEE ROAD DESIGN PLANS FOR RUMBLE STRIP QUANTITY (IF USED).



PMQ / CENTERLINE RUMBLE STRIP DETAIL DESIGNED BY NMS 01/2022
REVIEWED BY SDR 01/2022

TYPICAL RURAL PAVEMENT MARKINGS

NO SCALE



NOTE: FINAL CENTERLINE CONFIGURATION AND NO PASSING ZONES TO BE DETERMINED BY THE PROJECT MANAGER.

ALL PAVEMENT MARKINGS TO BE EPOXY UNLESS OTHERWISE SPECIFIED.

NOTES:

1. SEE CENTERLINE RUMBLE STRIPS DTL. DWG. NO. 411-05 FOR ADDITIONAL INFORMATION.
2. ALL PAVEMENT MARKINGS ARE TO CONFORM TO THE REQUIREMENTS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND "STANDARD HIGHWAY SIGNS" PUBLICATIONS, FROM THE FEDERAL HIGHWAY ADMINISTRATION.
3. SEE CENTERLINE PAVEMENT MARKINGS FOR RURAL HIGHWAYS MEMO DATED JUNE 18, 2019

SHEET NO.
S10

DETAIL SHEET

PROJECT NAME: WISE RIVER - EAST
COUNTY: BEAVERHEAD AND SILVERBOW
PROJECT ID: STPP 46-7(14)66
UPN: 10269000

DESIGNED BY	REVIEWED BY	CHECKED BY
S MORANO	FIRST INITIAL LAST NAME	N STYREN
MM/YYYY	MM/YYYY	MM/YYYY

10269000SIMAP001.DWG

MONTANA Department of Transportation

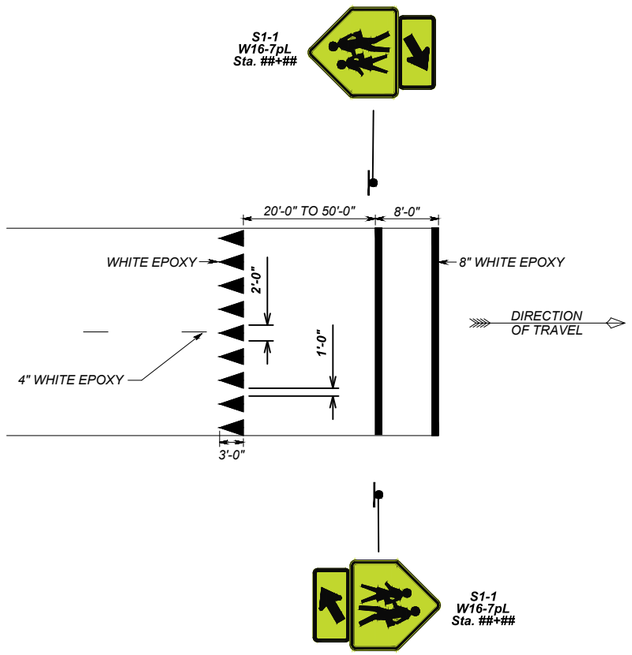
SIGNING PLANS

PEDESTRIAN CROSSING PAVEMENT MARKINGS MULTI-LANE ONE WAY NON-SIGNALIZED

NO SCALE

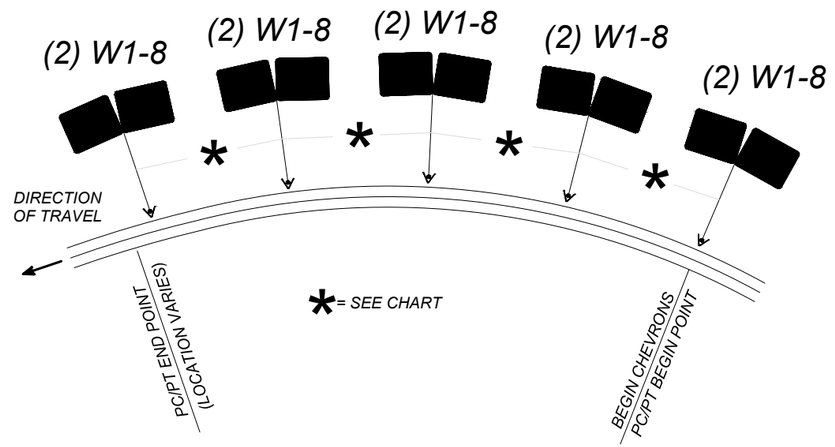
GENERAL NOTES:

REFER TO PART 2B-11 AND 3B-15 THROUGH 3B-18 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES 2009 EDITION FOR ADDITIONAL GUIDANCE.
R1-5 SERIES SIGNS ARE REQUIRED ON MULTI-LANE ROADS.



CHEVRON PLACEMENT DETAIL

(GUIDANCE ONLY)



CURVE RADIUS	SIGN SPACING		R.P. CONVERSION
<200'	40'	=	.008±
200' - 400'	80'	=	.015±
401' - 700'	120'	=	.023±
701' - 1250'	160'	=	.030±
>1250'	200'	=	.038±

1) SEE SPEC SHEET FOR CHEVRON PLACEMENT

2) USE BEGINNING OF CURVE LOCATION AS REFERENCE POINT TO INSTALL CHEVRONS (BEGIN POINT - ALWAYS ON OUTSIDE OF CURVE IN DIRECTION OF TRAVEL)

SHEET NO.
S11

DETAIL SHEET

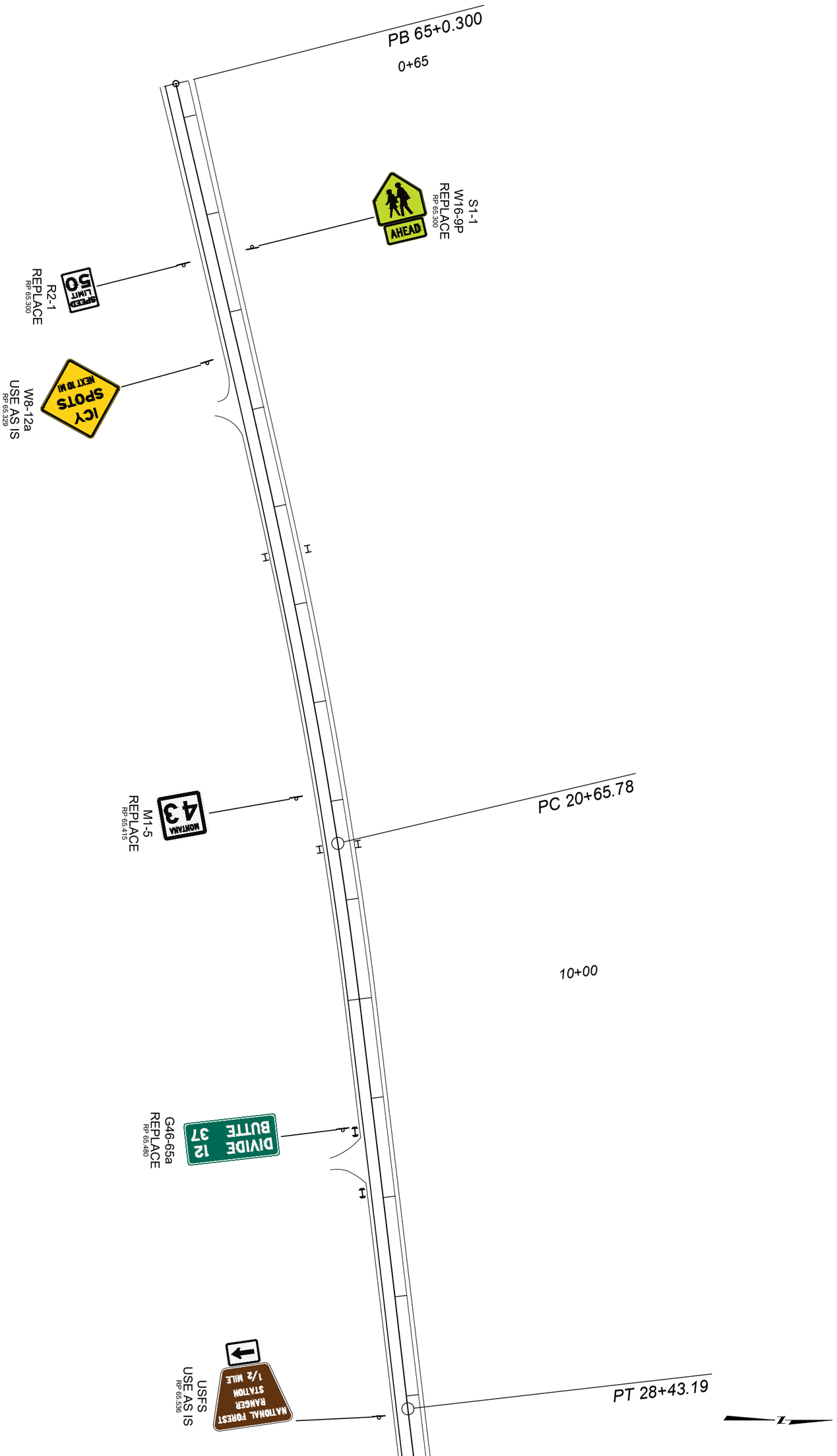
PROJECT NAME: WISE RIVER - EAST
COUNTY: BEAVERHEAD AND SILVERBOW
PROJECT ID: STPP 46-7(14)66
UPN: 10269000

DESIGNED BY: S MORANO — MM/YYYY
REVIEWED BY: FIRST INITIAL LAST NAME — MM/YYYY
CHECKED BY: N STYREN — MM/YYYY

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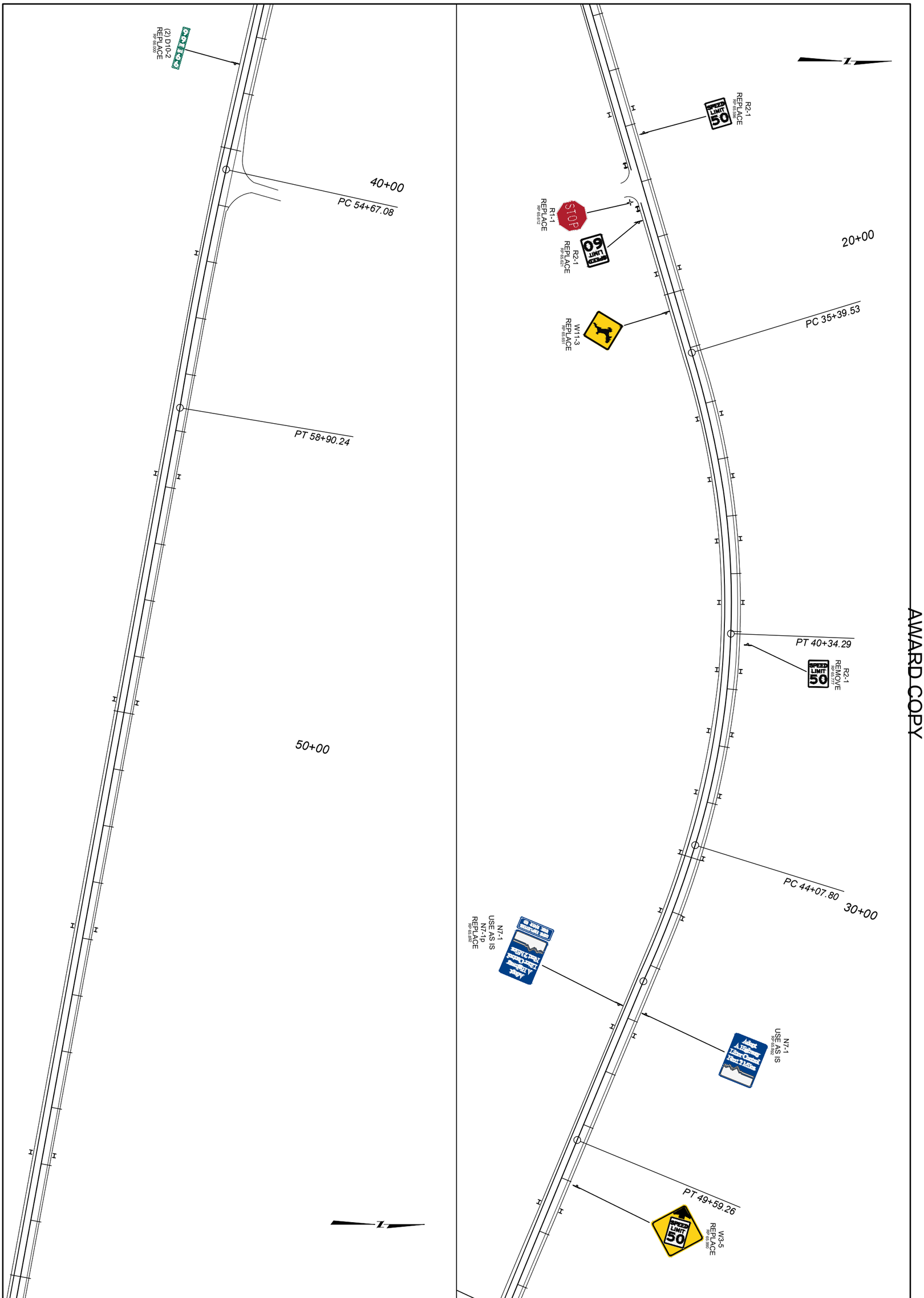
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Department of Transportation

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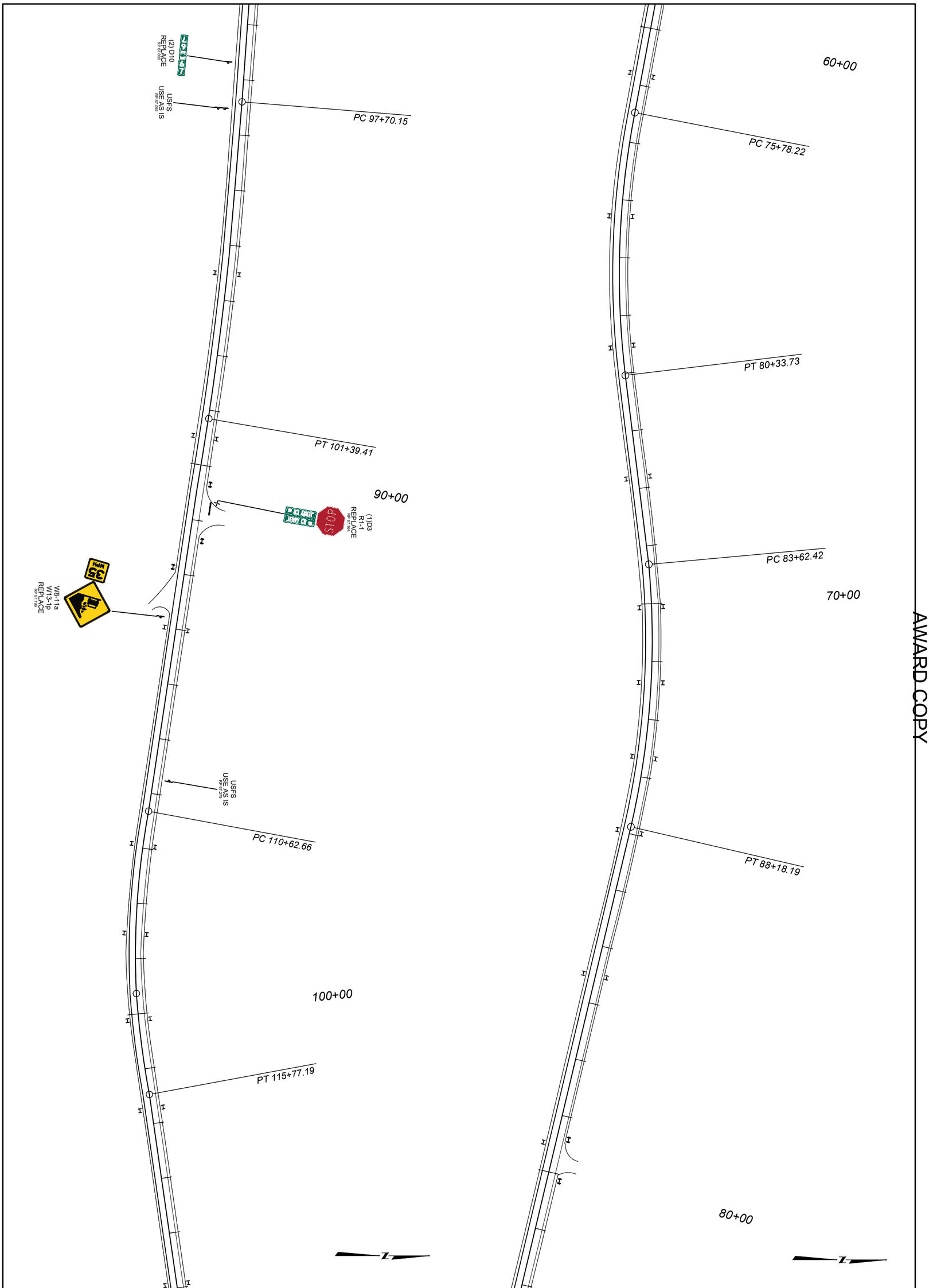
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MONTANA Department of Transportation	DESIGNED BY		PROJECT NAME		SHEET NO.
	S MORANO	MM/YYYY	WISE RIVER - EAST	PLAN SHEET	S12
	REVIEWED BY		COUNTY		
	FIRST INITIAL LAST NAME	MM/YYYY	BEAVERHEAD AND SILVERBOW		
SIGNING PLANS	CHECKED BY		PROJECT ID		
	N STYREN	MM/YYYY	STPP 46-7(14)66		
10269000SIMAP001.DWG			UPN 10269000		



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	S MORANO	MM/YYYY	WISE RIVER - EAST		
	REVIEWED BY		COUNTY		
	FIRST INITIAL LAST NAME	MM/YYYY	BEAVERHEAD AND SILVERBOW		
SIGNING PLANS	CHECKED BY		PROJECT ID		S13
	N STYREN	MM/YYYY	STPP 46-7(14)66		
	10269000SIMAP001.DWG		UPN		
			10269000		



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	REVIEWED BY: FIRST INITIAL LAST NAME MM/YYYY	COUNTY: BEAVERHEAD AND SILVERBOW	
SIGNING PLANS	CHECKED BY: N STYREN MM/YYYY	PROJECT ID: STPP 46-7(14)66	SHEET NO. S14
10269000SIMAP001.DWG		UPN: 10269000	

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PC 121+97.95

110+00

PT 125+38.16

W1-2L
REPLACE
RP 67.582

PC 130+10.31

120+00

PT 137+92.24

PC 140+80.57

N

W1-2R
REPLACE
RP 67.451

40 MPH

W1-5R
W13-1P
REPLACE
RP 67.778

(2) W1-8
REPLACE
RP 67.838

(2) W1-8
REPLACE
RP 67.668

(2) W1-8
REPLACE
RP 67.899

(2) W1-8
REPLACE
RP 67.928

(2) W1-8
REPLACE
RP 67.952

(2) D10
REPLACE
RP 68.000

(2) W1-8
REPLACE
RP 68.031

N7-1
REMOVE
RP 68.041

N7-1
REPLACE
N7-1p
REPLACE
RP 68.031

(2) W1-8
REPLACE
RP 68.061

W8-5
REMOVE
RP 68.071

(2) W1-8
REPLACE
RP 68.086

(2) W1-8
REPLACE
RP 68.121

140+00

PCC 151+24.06

PRC 156+59.76

150+00

PCC 162+11.12

N

(2) W1-8
REPLACE
RP 68.232

(2) W1-8
REPLACE
RP 68.262

(2) W1-8
REPLACE
RP 68.287

SHEET NO.
S15

PLAN SHEET

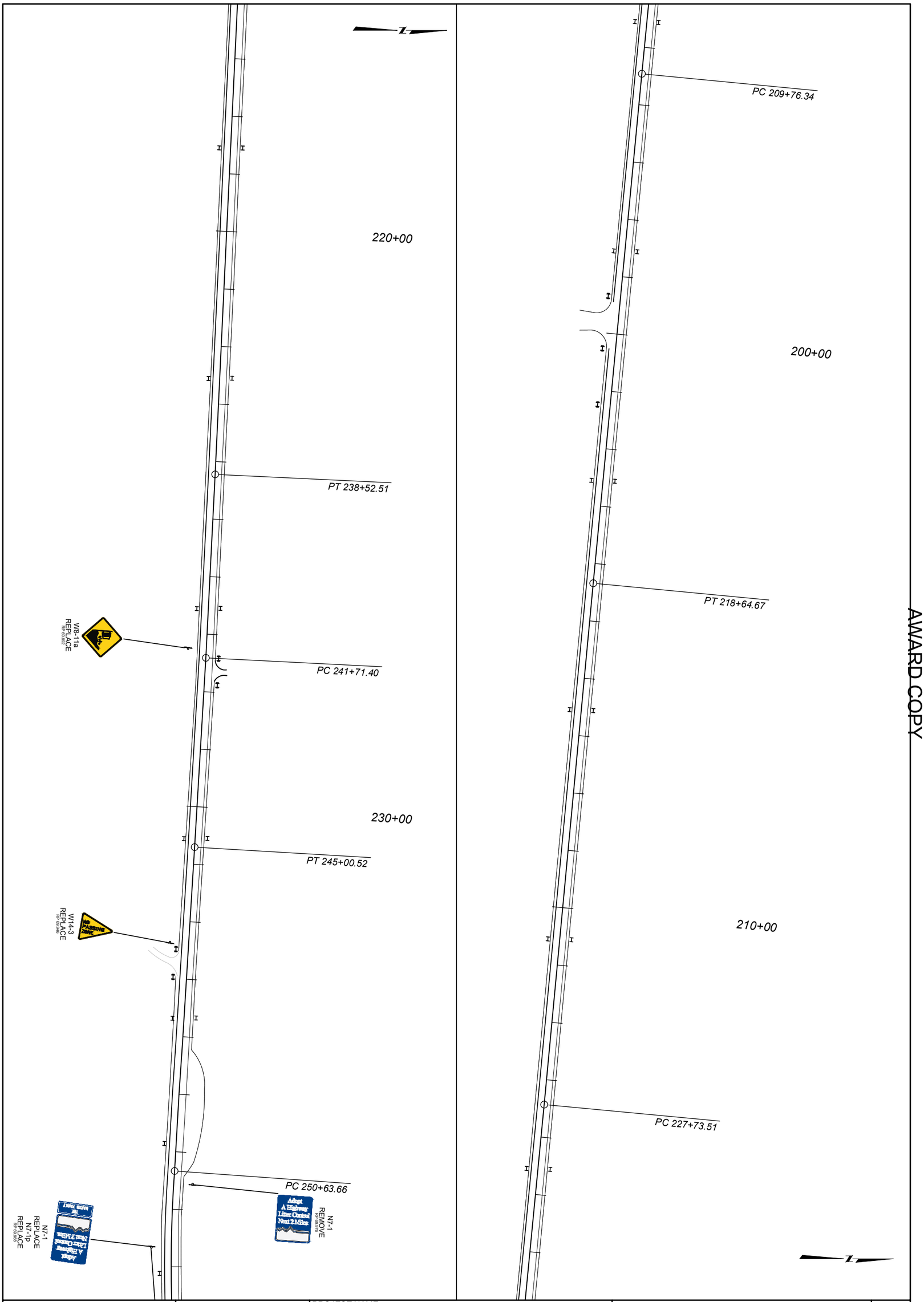
PROJECT NAME: **WISE RIVER - EAST**
COUNTY: **BEAVERHEAD AND SILVERBOW**
PROJECT ID: **STPP 46-7(14)66**
UPN: **10269000**

DESIGNED BY	MM/YYYY
S MORANO	
REVIEWED BY	MM/YYYY
FIRST INITIAL LAST NAME	
CHECKED BY	MM/YYYY
N STYREN	

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MONTANA
Department of Transportation

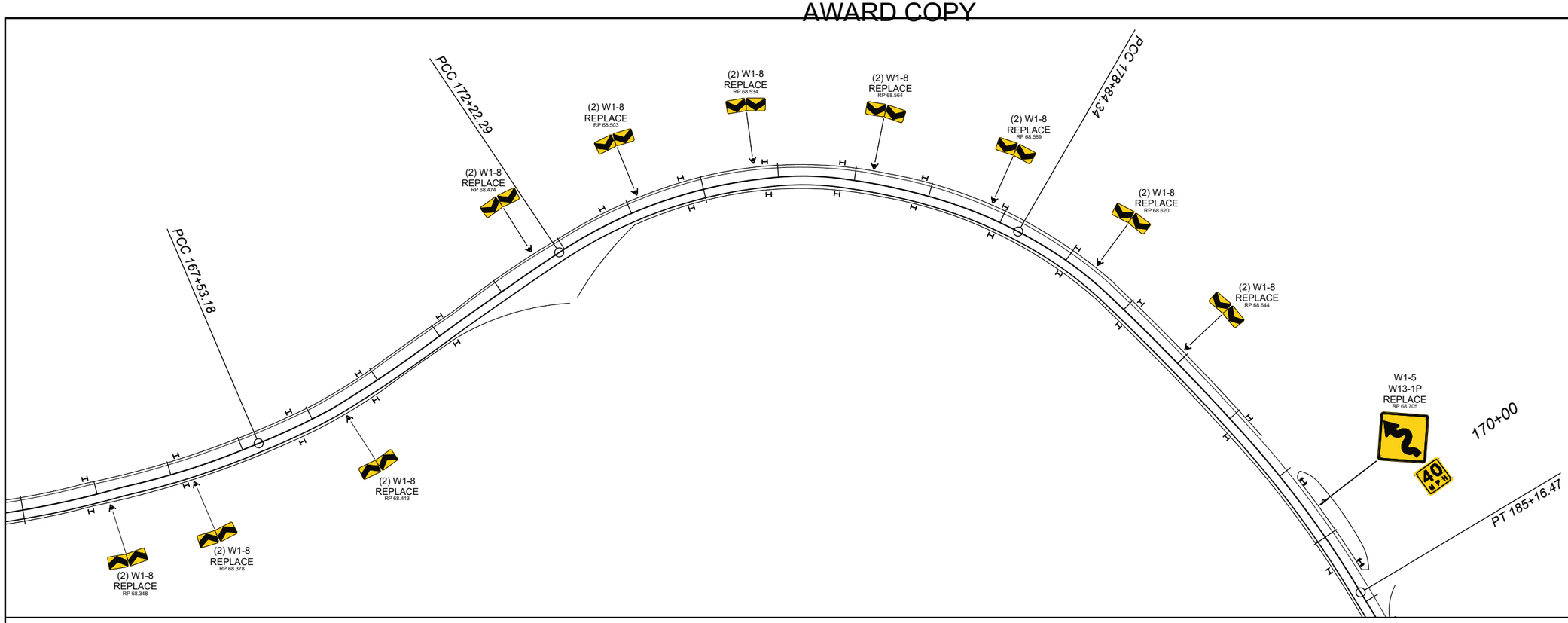
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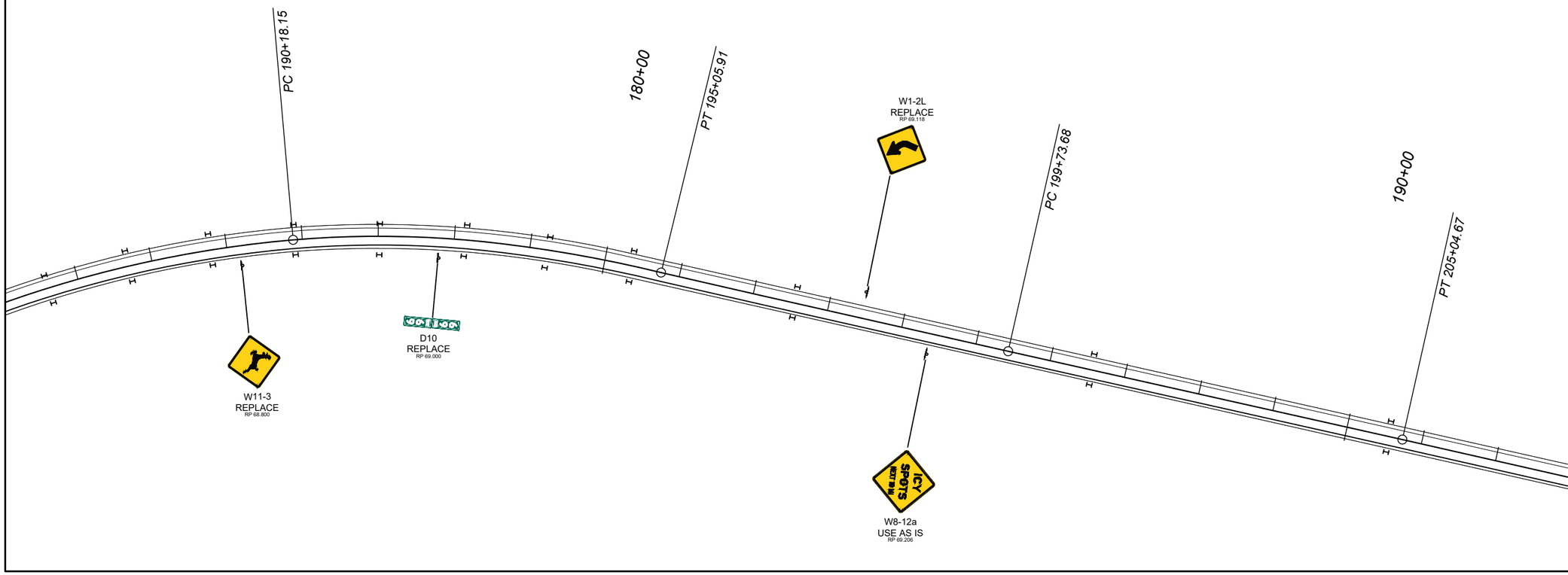


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	REVIEWED BY: FIRST INITIAL LAST NAME MM/YYYY	COUNTY: BEAVERHEAD AND SILVERBOW	
SIGNING PLANS	CHECKED BY: N STYREN MM/YYYY	PROJECT ID: STPP 46-7(14)66	SHEET NO. S17
10269000SIMAP001.DWG		UPN: 10269000	

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SHEET NO.
S16

PLAN SHEET

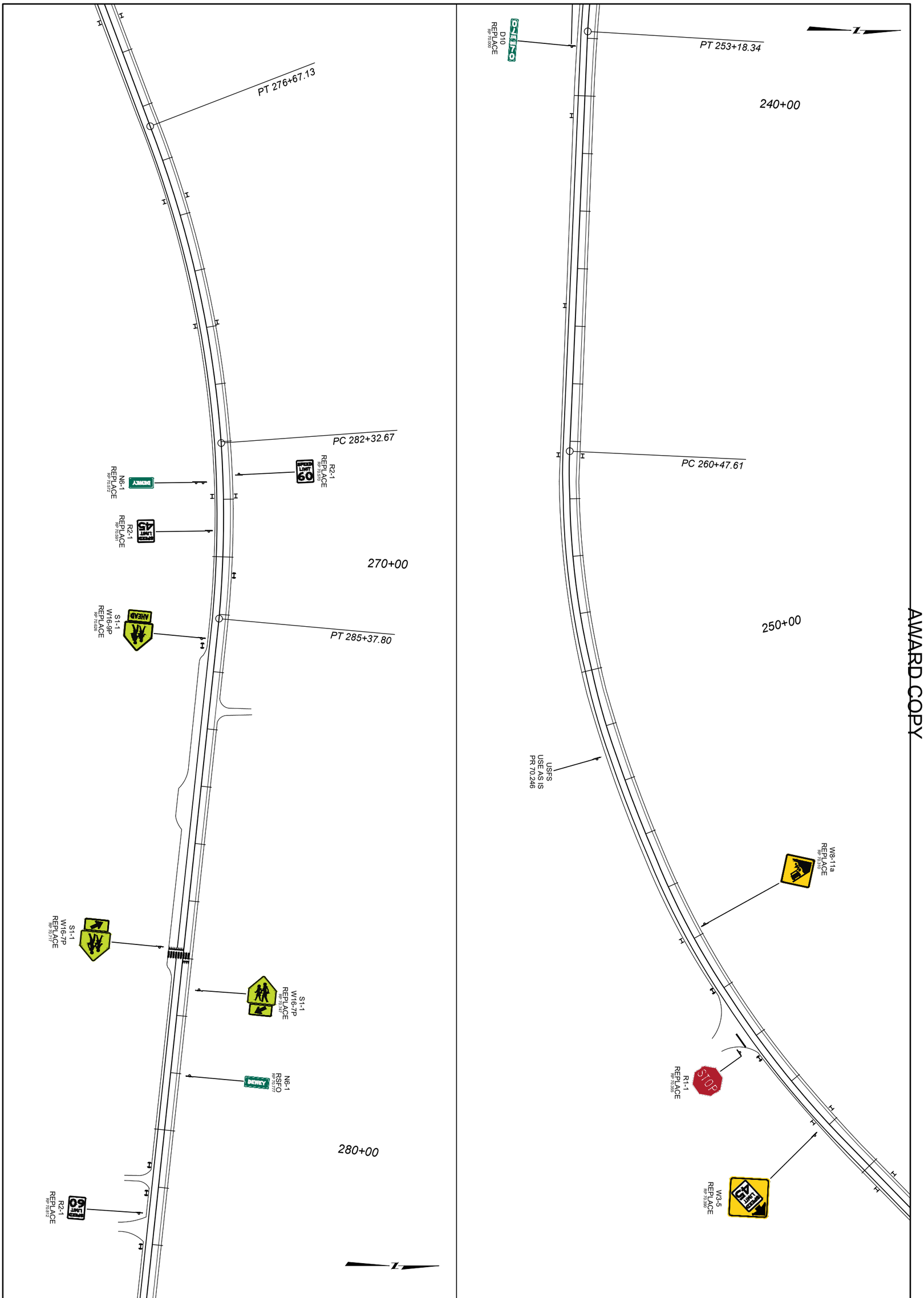
PROJECT NAME: WISE RIVER - EAST
COUNTY: BEAVERHEAD AND SILVERBOW
PROJECT ID: STPP 46-7(14)66
UPN: 10269000

DESIGNED BY	MM/YYYY
S MORANO	
REVIEWED BY	MM/YYYY
FIRST INITIAL LAST NAME	
CHECKED BY	MM/YYYY
N STYREN	

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MONTANA
Department of Transportation

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	REVIEWED BY: FIRST INITIAL LAST NAME MM/YYYY	COUNTY: BEAVERHEAD AND SILVERBOW	
SIGNING PLANS	CHECKED BY: N STYREN MM/YYYY	PROJECT ID: STPP 46-7(14)66	
10269000SIMAP001.DWG		UPN: 10269000	SHEET NO. S18

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290+00

300+00

PC 313+12.05

S1-1
W16-9P
REPLACE
RP 70.852

R2-1
REPLACE
RP 70.917

W3-5
REPLACE
RP 71.082

FWP
USE AS IS
RP 70.882

(2) D10
REPLACE
RP 71.000

FWP
USE AS IS
RP 71.054

W8-11a
W13-1P
REPLACE
RP 71.068

W1-5R
REPLACE
RP 71.114

310+00

320+00

PT 321+82.54

PC 324+54.10

PT 331+56.97

PC 337+24.43

SHEET NO.
S19

PLAN SHEET

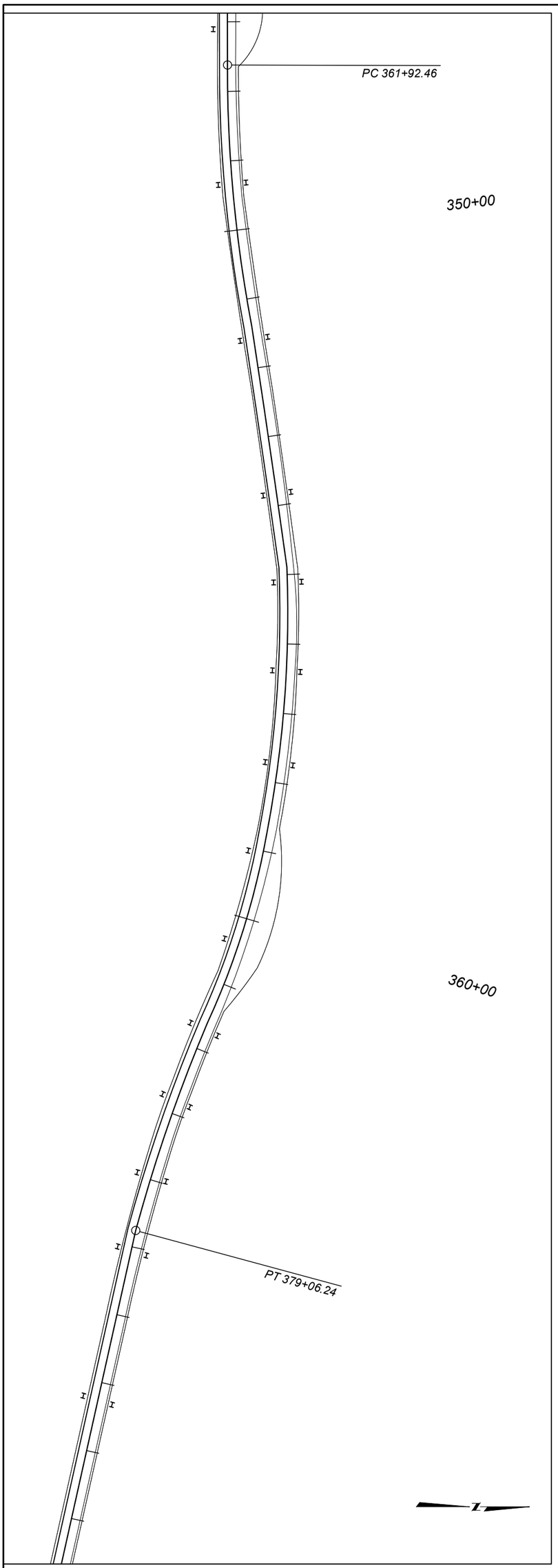
PROJECT NAME	WISE RIVER - EAST
COUNTY	BEAVERHEAD AND SILVERBOW
PROJECT ID	STPP 46-7(14)66
UPN	10269000

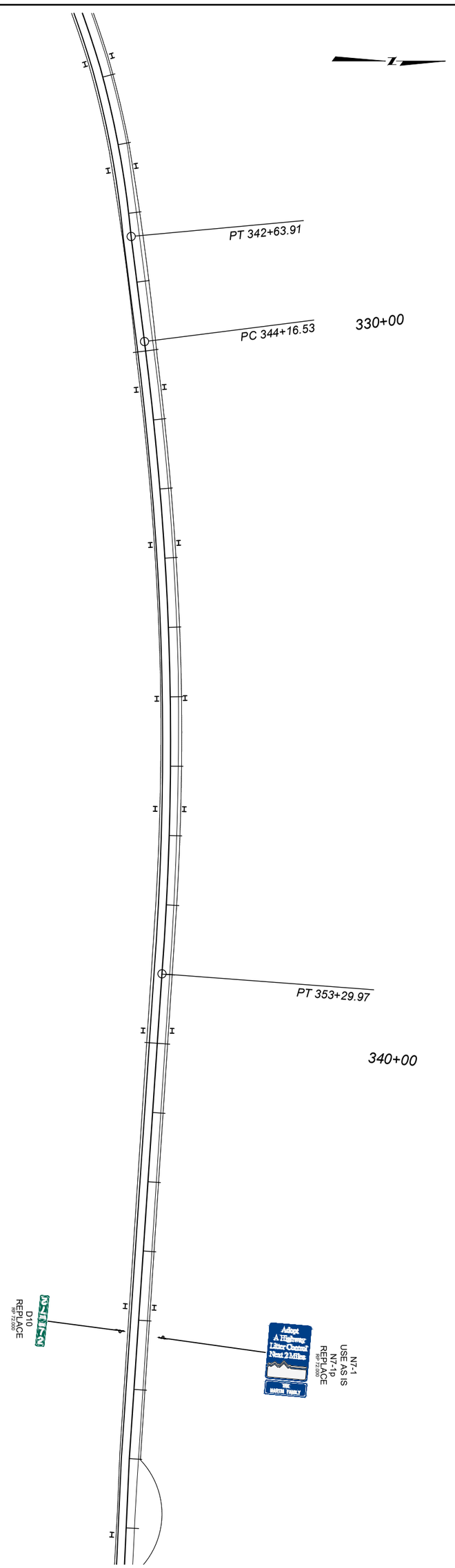
DESIGNED BY	MM/YYYY
S MORANO	
REVIEWED BY	MM/YYYY
FIRST INITIAL LAST NAME	
CHECKED BY	MM/YYYY
N STYREN	

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	REVIEWED BY: FIRST INITIAL LAST NAME MM/YYYY	COUNTY: BEAVERHEAD AND SILVERBOW	
SIGNING PLANS	CHECKED BY: N STYREN MM/YYYY	PROJECT ID: STPP 46-7(14)66	SHEET NO. S20
10269000SIMAP001.DWG		UPN: 10269000	

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PC 386+77.33

380+00

390+00

(2) W1-8
REPLACE
RP 72.727

(2) W1-8
REPLACE
RP 72.758

(2) W1-8
REPLACE
RP 72.783

W1-4R
REPLACE
RP 72.702

(2) W1-8
REPLACE
RP 72.808

(2) W1-8
REPLACE
RP 72.823

(2) W1-8
REPLACE
RP 72.848

(2) W1-8
REPLACE
RP 72.863

(2) W1-8
REPLACE
RP 72.889

400+00

410+00

(2) W1-8
REPLACE
RP 73.112

(2) W1-8
REPLACE
RP 73.143

(2) W1-8
REPLACE
RP 73.173

(2) W1-8
REPLACE
RP 73.203

PT 420+40.38

PC 425+15.37

W1-2L
REPLACE
RP 73.263

W1-4L
REPLACE
RP 72.992

D10
REPLACE
RP 73.000

W1-2R
REPLACE
RP 73.053

W1-4R
REPLACE
RP 73.330

SHEET NO.
S21

PLAN SHEET

PROJECT NAME: **WISE RIVER - EAST**
COUNTY: **BEAVERHEAD AND SILVERBOW**
PROJECT ID: **STPP 46-7(14)66**
UPN: **10269000**

DESIGNED BY	S MORANO	MM/YYYY
REVIEWED BY	FIRST INITIAL LAST NAME	MM/YYYY
CHECKED BY	N STYREN	MM/YYYY

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SHEET NO.
S22

PLAN SHEET

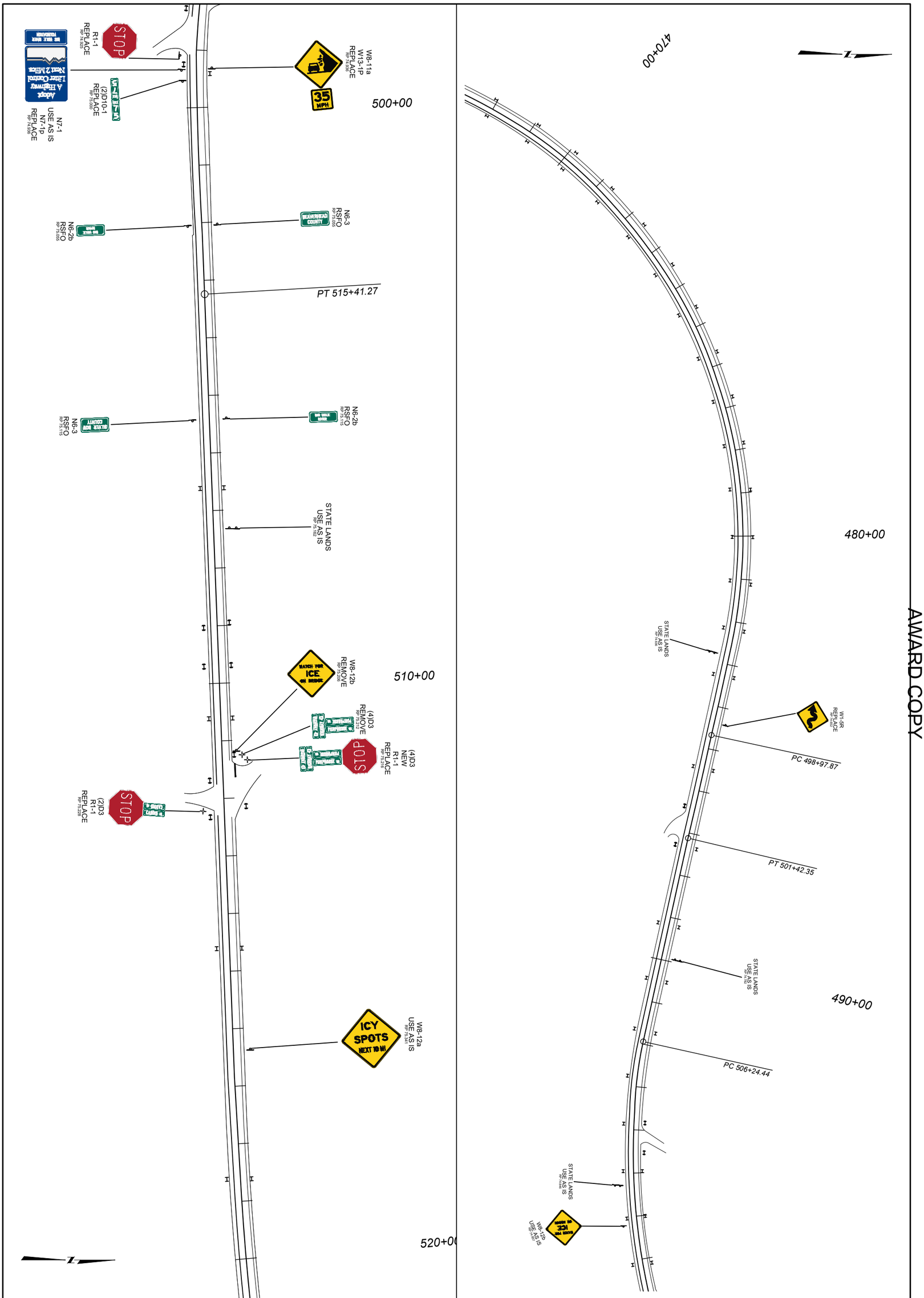
PROJECT NAME: **WISE RIVER - EAST**
COUNTY: **BEAVERHEAD AND SILVERBOW**
PROJECT ID: **STPP 46-7(14)66**
UPN: **10269000**

DESIGNED BY	MM/YYYY
S MORANO	
REVIEWED BY	MM/YYYY
FIRST INITIAL LAST NAME	
CHECKED BY	MM/YYYY
N STYREN	

MONTANA
Department of Transportation

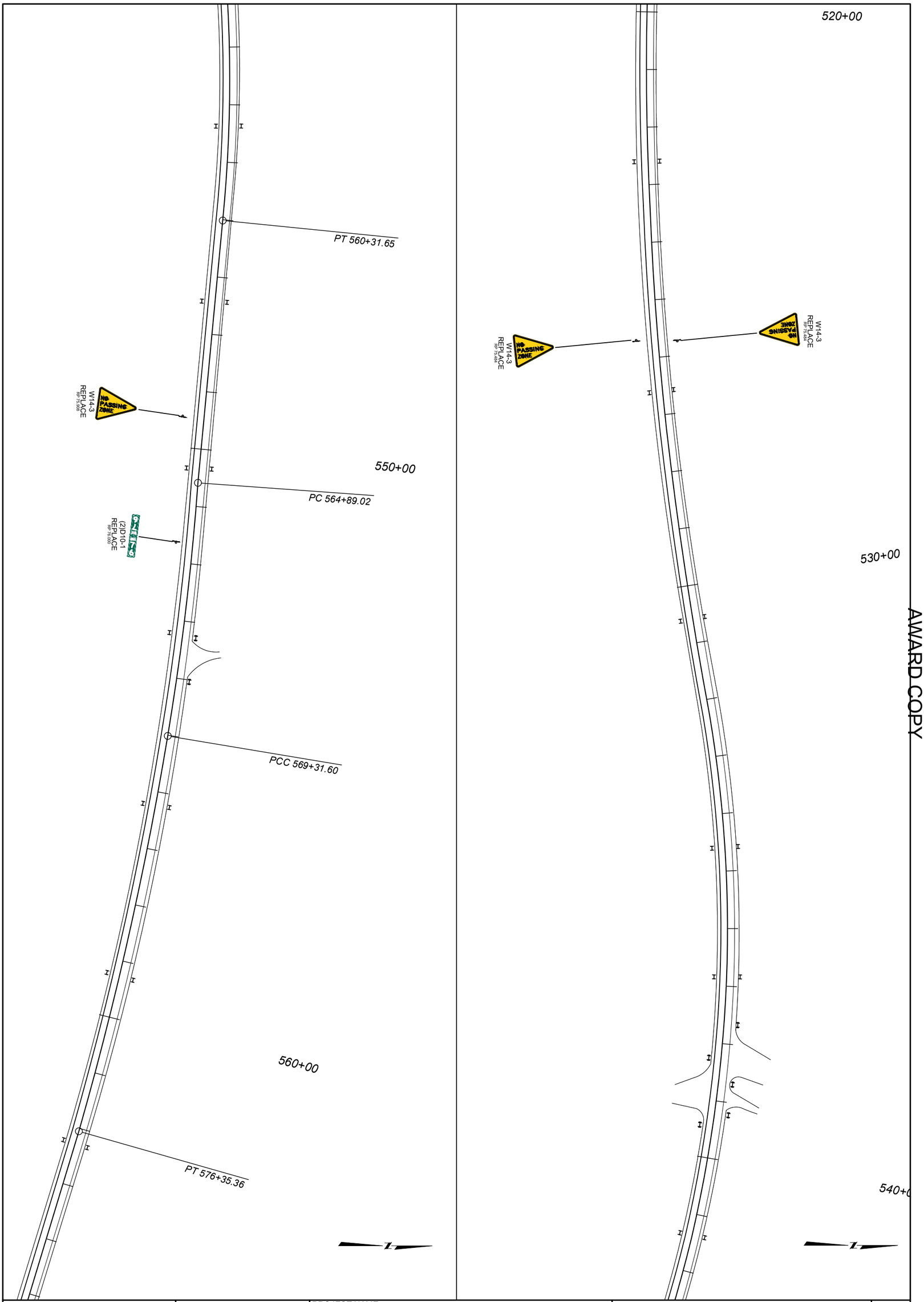
SIGNING PLANS

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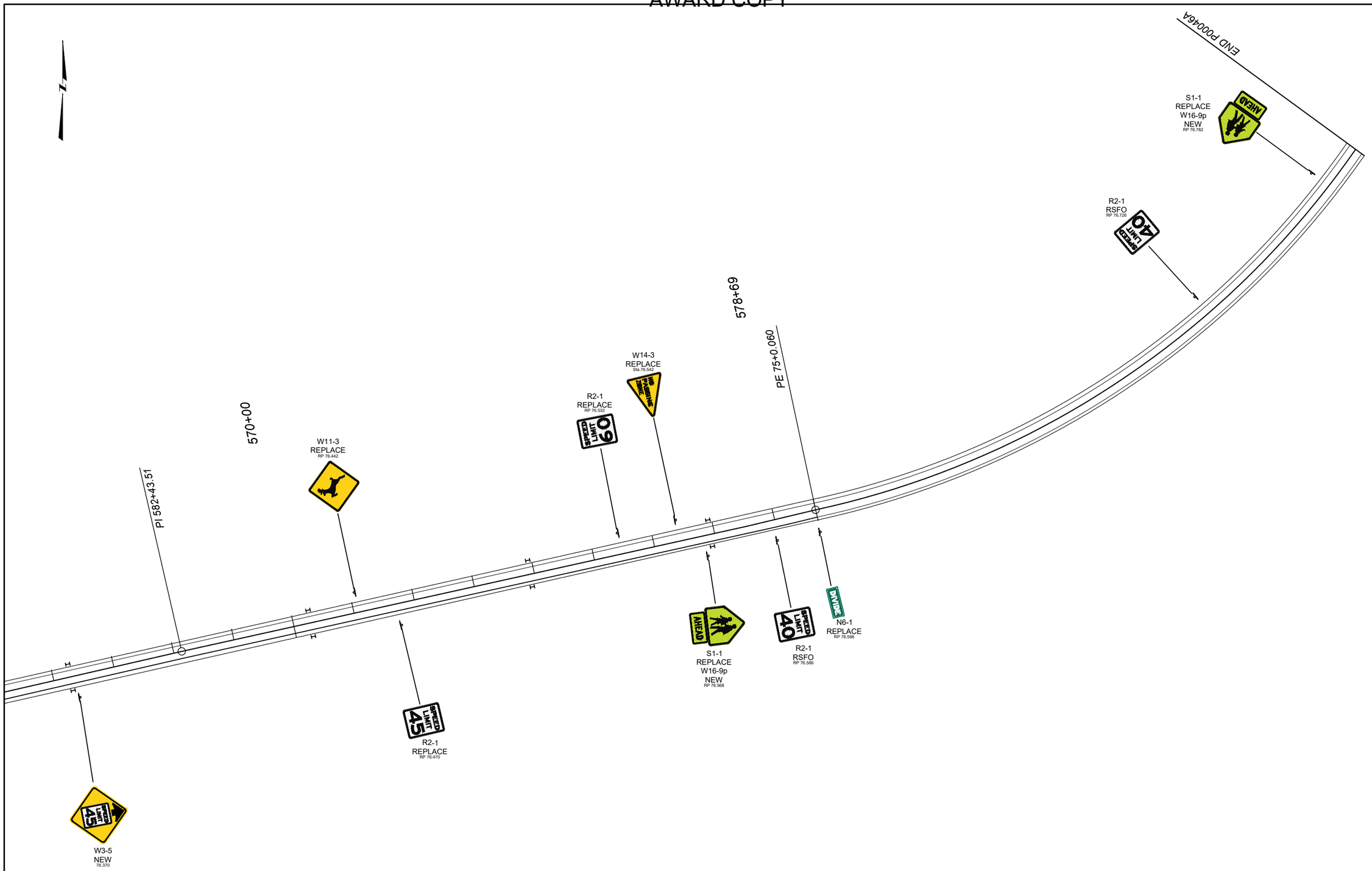
MONTANA Department of Transportation	DESIGNED BY		PROJECT NAME	PLAN SHEET	SHEET NO.
	S MORANO	MM/YYYY	WISE RIVER - EAST		S23
	REVIEWED BY		COUNTY		
	FIRST INITIAL LAST NAME	MM/YYYY	BEAVERHEAD AND SILVERBOW		
SIGNING PLANS	CHECKED BY		PROJECT ID		
	N STYREN	MM/YYYY	STPP 46-7(14)66		
	10269000SIMAP001.DWG		UPN		
			10269000		



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MONTANA Department of Transportation	DESIGNED BY: S MORANO MM/YYYY	PROJECT NAME: WISE RIVER - EAST	PLAN SHEET
	REVIEWED BY: FIRST INITIAL LAST NAME MM/YYYY	COUNTY: BEAVERHEAD AND SILVERBOW	
SIGNING PLANS	CHECKED BY: N STYREN MM/YYYY	PROJECT ID: STPP 46-7(14)66	SHEET NO. S24
10269000SIMAP001.DWG		UPN: 10269000	

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SHEET NO.
S25

PLAN SHEET

PROJECT NAME	WISE RIVER - EAST
COUNTY	BEAVERHEAD AND SILVERBOW
PROJECT ID	STPP 46-7(14)66
UPN	10269000

DESIGNED BY	S MORANO	MM/YYYY
REVIEWED BY	FIRST INITIAL LAST NAME	MM/YYYY
CHECKED BY	N STYREN	MM/YYYY

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