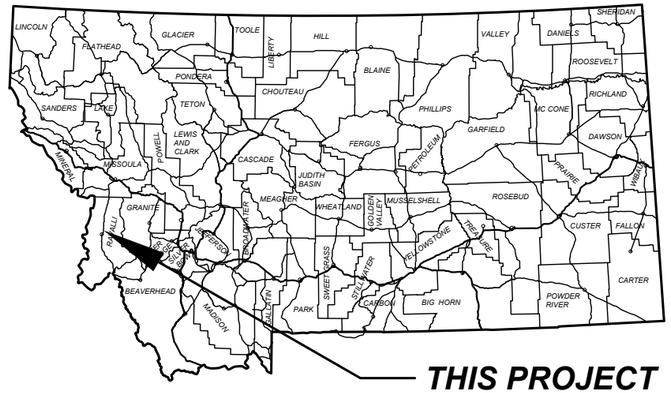
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MONTANA DEPARTMENT OF TRANSPORTATION

FEDERAL AID PROJECT STPS 269-1(55)5

COLD MILL, OVERLAY, SEAL & COVER WITH FOG SEAL

CORVALLIS-NORTH

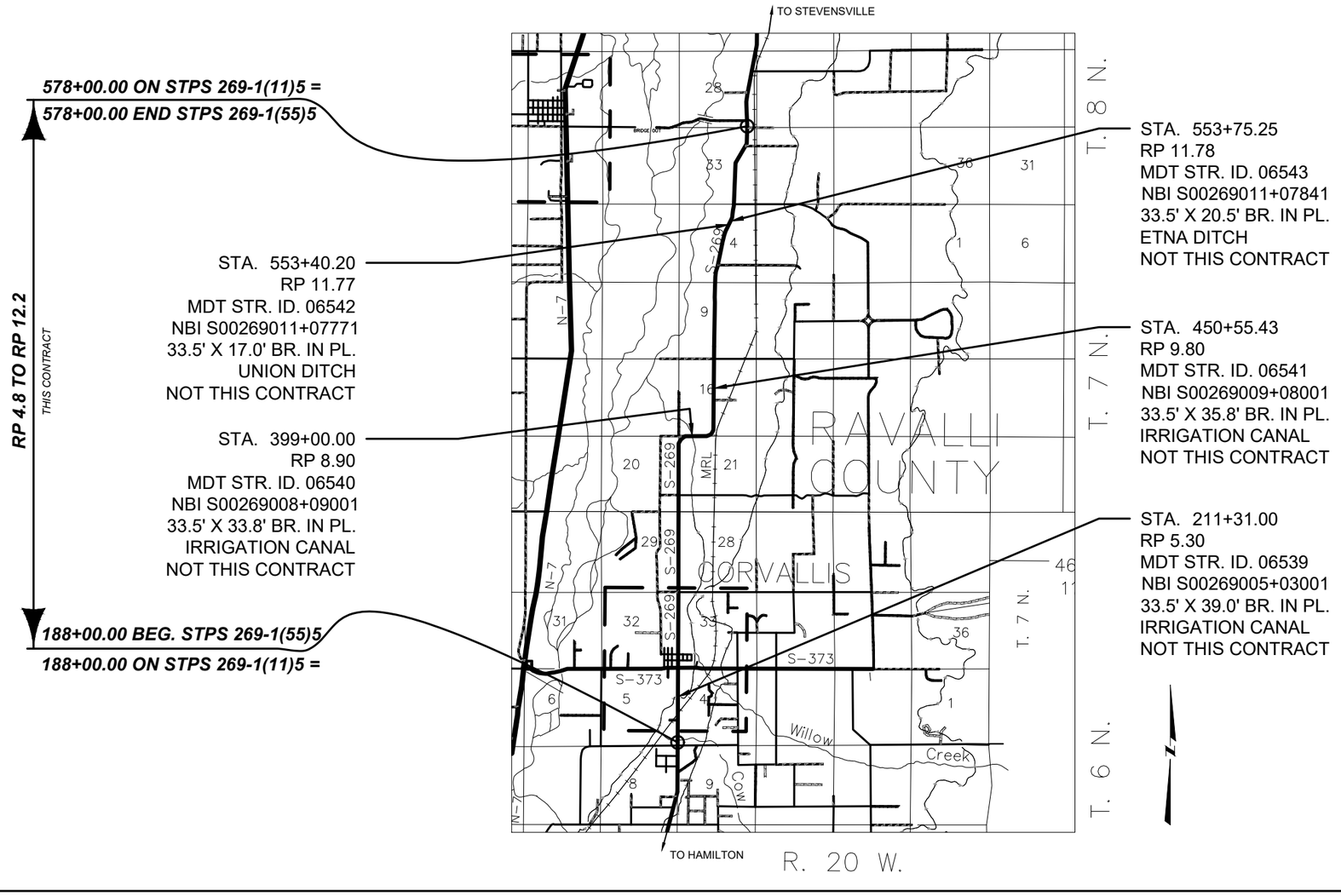
RAVALLI COUNTY

LENGTH 7.4 MILES

PROJECT DESIGN DATA			
PRESENT	2022	A.D.T. =	3,910
LETTING	2023	A.D.T. =	3,950
DESIGN	2043	A.D.T. =	4,820
		D.H.V. =	540
		TRUCKS =	2.8%
		V. =	60 mph*
		18 KIP ESAL'S =	36
		GROWTH RATE =	1.0%

TRAFFIC DATA FOR S-269 FROM RP 4.8 TO RP 6.2

* 35 mph THROUGH CORVALLIS TOWN LIMITS RP 5.6 TO RP 6.1



SHEET NO. 01

TITLE

PROJECT NAME: CORVALLIS-NORTH
COUNTY: RAVALLI
PROJECT ID: STPS 269-1(55)5
UPN: 10236000

DESIGNED BY: M. CORNYN 09/23
REVIEWED BY: FIRST INITIAL LAST NAME MM/YYYY
CHECKED BY: FIRST INITIAL LAST NAME MM/YYYY

MONTANA Department of Transportation

ROAD PLANS

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SIGNING PLANS

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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 - 1/2" AGG.	= 5.6% 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 (S & C)	= 0.075 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
CRACK SEALING	= 0.7 LBS. PER LINEAR FOOT
CRACK SEALING MASTIC	= 1.7 LBS. PER LINEAR FOOT

AS-BUILTS

FOR ORIGINAL HORIZONTAL ALIGNMENT AND STATIONING, REFER TO THE "AS-BUILT" PROJECTS:
STPS 269-1(11)5

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.

UTILITIES

CALL THE UTILITIES UNDERGROUND LOCATION CENTER (811) OR OTHER NOTIFICATION SYSTEM FOR THE MARKING AND LOCATION OF ALL LINES AND SERVICES BEFORE EXCAVATING.

DO NOT DISTURB UTILITIES
MANHOLE - STATION 245+31 , OFFSET 16' RT.
GAS VALVE - STATION 245+72 , OFFSET 22' LT.
MANHOLE - STATION 247+63 , OFFSET 21' RT.
MANHOLE - STATION 250+84 , OFFSET 24' RT.
MANHOLE - STATION 250+84 , OFFSET 19' LT.
MANHOLE - STATION 251+84 , OFFSET 29' LT.

SHEET NO.
02

NOTES

PROJECT NAME: CORVALLIS-NORTH
COUNTY: RAVALLI
PROJECT ID: STPS 269-1(55)5
UPN: 10236000

DESIGNED BY: M. CORNYN 09/23
REVIEWED BY: FIRST INITIAL LAST NAME MM/YYYY
CHECKED BY: FIRST INITIAL LAST NAME MM/YYYY

MONTANA Department of Transportation

ROAD PLANS

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APPROACHES (FOR INFORMATION ONLY)

STATION	TYPE	linear feet				EXISTING SURFACING	feet	PROPOSED SURFACE	sq. yards	tons			gallons		square yards	REMARKS
		WIDTH	RADIUS #		LENGTH OF PAVING		PMS THK.		COVER - TYPE 1	PLANT MIX BIT. SURF. GRADE S - 1/2"	ASPHALT CEMENT PG 58V-34	EMULS. ASPHALT CHFRS-2P	EMULS. ASPHALT TACK	EMULS. ASPHALT FOG SEAL	COLD MILLING	
			LEFT	RIGHT											0.15 ft	
287+45	PUBLIC	24	25	25	45.0	ASPHALT	0.15	ASPHALT	150	14	0.8	0.3	8	11	150	RT. – QUAST LANE
287+45	PUBLIC	24	25	25	32.0	GRAVEL	0.15	ASPHALT	115	11	0.6	0.2	6	9		LT. – QUAST LANE *
353+40	PUBLIC	24	25	25	45.0	ASPHALT	0.15	ASPHALT	150	14	0.8	0.3	8	11	150	RT. – POPHAM LANE
353+40	PUBLIC	24	25	25	45.0	GRAVEL	0.15	ASPHALT	150	14	0.8	0.3	8	11		LT. – POPHAM LANE *
468+26	PUBLIC	24	25	25	32.0	ASPHALT	0.15	ASPHALT	115	11	0.6	0.2	6	9	115	LT. – TUCKER CROSSING EAST
468+26	PUBLIC	24	25	25	28.0	ASPHALT	0.15	ASPHALT	104	10	0.6	0.2	5	8	104	RT. – BAILEY LANE
534+40	PUBLIC	24	25	25	30.0	ASPHALT	0.15	ASPHALT	110	11	0.6	0.2	6	8	110	RT. – WOOD LANE
576+08	PUBLIC	24	25	25	30.0	ASPHALT	0.15	ASPHALT	110	11	0.6	0.2	6	8	110	RT. – NOTH BIRCH CREEK ROAD
SUBTOTAL	PUBLIC								1,004	96	5.4	1.9	53	75	739	

* SITE GRADING MAY BE NEEDED TO MATCH THE FINISH SURFACING OF THE APPROACH TO THE FINISH SURFACING OF MAINLINE
# ALL RADII MEASURED TO EDGE OF SHOULDER
M.O.C. – MEASURED ON CADD

SHEET NO.
03

APPROACHES

MONTANA
Department of Transportation

ROAD PLANS

DESIGNED BY		PROJECT NAME	CORVALLIS-NORTH
M. CORNYN	09/23		
REVIEWED BY		COUNTY	RAVALLI
FIRST INITIAL LAST NAME	MM/YYYY	PROJECT ID	STPS 269-1(55)5
CHECKED BY			
FIRST INITIAL LAST NAME	MM/YYYY	UPN	10236000

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CONTROL DIAGRAM

SCALE: N/A

BEARING SOURCE

GRID -- MONTANA COORDINATE SYSTEM NAD 83-2011

LEVEL DATUM SOURCE

All Elevations are derived from digital levels ran throughout the project control holding the NGS NAVD8 elevation at L72.

NOTE:
THIS PROJECT IS ON THE MONTANA COORDINATE SYSTEM NAD83-2011 NORTHING AND EASTING COORDINATES ARE EXPRESSED IN UNITS OF INTERNATIONAL FEET AND ELEVATIONS ARE IN UNITS OF U.S. SURVEY FEET. DIMENSIONS SHOWN ON THE PLANS ARE GRID. ALL SURVEY AND STAKING REQUIRE THE USE OF A COMBINATION SCALE FACTOR (CSF) TO CONVERT GRID DIMENSIONS TO GROUND DIMENSIONS (GRID DISTANCE / CSF = GROUND DISTANCE). THE CSF FOR THIS PROJECT IS 0.999302978





CONTROL ABSTRACT			
POINT NAME/NUMBER	N OR Y COORDINATE	E OR X COORDINATE	POINT ELEVATION
A9151	786,653.159	803,934.386	3478.96
B9151	787,328.251	803,919.442	3478.17
C9151	787,803.990	803,943.278	3477.14
D9151	788,439.613	803,981.680	3474.66
E9151	786,675.745	798,626.033	3743.72
F9151	786,609.439	798,557.392	3472.99
L72	783,499.564	803,879.219	3493.21

SHEET NO.
04

CONTROL DIAGRAM

PROJECT NAME: CORVALLIS-NORTH
COUNTY: RAVALLI
PROJECT ID: STPS 269-1(55)5
UPN: 10236000

DESIGNED BY: M. CORNYN 09/23
REVIEWED BY: FIRST INITIAL LAST NAME MM/YYYY
CHECKED BY: FIRST INITIAL LAST NAME MM/YYYY
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MONTANA
Department of Transportation

ROAD PLANS

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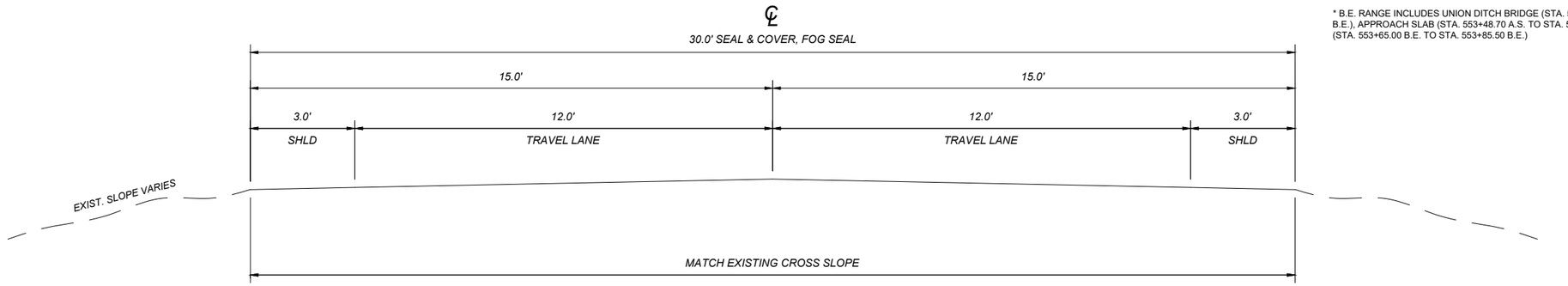
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TYPICAL SECTION NO. 1

S-269

STA. 188+00.00 TO STA. 201+61.55 THEN TYP. NO. 2
STA. 202+78.45 TO STA. 211+12.08 B.E.
STA. 211+49.92 B.E. TO STA. 215+43.00 THEN TYP. NO. 2
STA. 382+13.69 TO STA. 398+83.75 B.E.
STA. 399+16.25 B.E. TO STA. 450+38.18 B.E.
STA. 450+72.68 B.E. TO STA. 553+31.70 B.E.*
STA. 553+85.50 B.E.* TO STA. 578+00.00

* B.E. RANGE INCLUDES UNION DITCH BRIDGE (STA. 553+31.70 B.E. TO STA. 553+48.70 B.E.), APPROACH SLAB (STA. 553+48.70 A.S. TO STA. 553+65.00 A.S.), AND ETNA DITCH (STA. 553+65.00 B.E. TO STA. 553+85.50 B.E.)



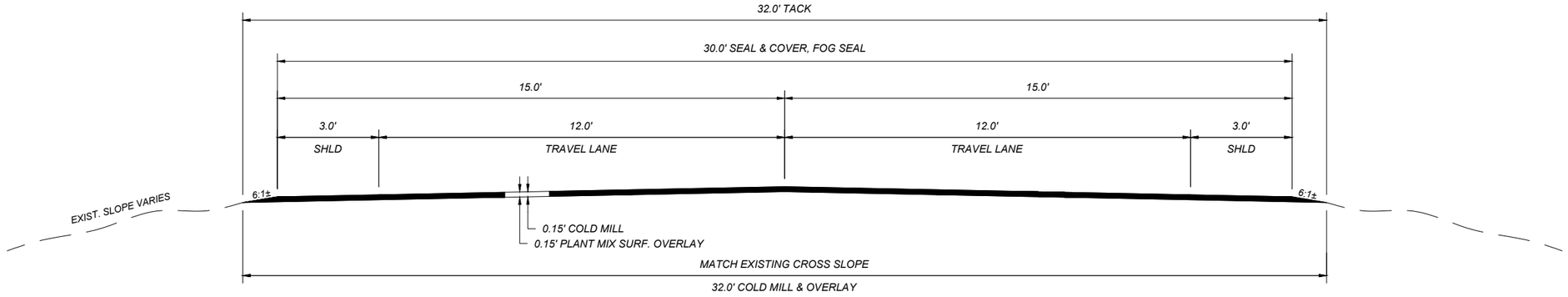
QUANTITIES

UNIT	AGGREGATE	UNIT	BITUMINOUS MATERIAL	
	COVER		SEAL	EMULSIFIED ASPHALT FOG SEAL
AREA square feet		square yards PER STATION	333	333
cubic yards PER STATION		tons PER STATION	0.59	
tons PER STATION		gals. PER STATION		25
square yards PER STATION	333			

TYPICAL SECTION NO. 2

S-269

STA. 201+61.55 TO STA. 202+78.45 THEN TYP NO. 1
STA. 215+43.00 TO STA. 236+00.00 THEN TYP. NO. 3
STA. 252+00.00 TO STA. 382+13.69 THEN TYP. NO. 1



QUANTITIES

UNIT	AGGREGATE		UNIT	BITUMINOUS MATERIAL				COLD MILLING
	COVER	PLANT MIX		ASPHALT CEMENT	SEAL	EMULSIFIED ASPHALT TACK#	EMULSIFIED ASPHALT FOG SEAL	
AREA square feet		4.65	square yards PER STATION		333	356	333	356
cubic yards PER STATION		17.2	tons PER STATION	1.86	0.59			
tons PER STATION		33.2	gals. PER STATION			18	25	
square yards PER STATION	333							

#BASED ON 1 APPLICATION

SHEET NO. 05

TYPICAL SECTIONS

PROJECT NAME CORVALLIS-NORTH
COUNTY RAVALLI
PROJECT ID STPS 269-1(55)5
UPN 10236000

DESIGNED BY M. CORNYN 09/23
REVIEWED BY FIRST INITIAL LAST NAME MM/YYYY
CHECKED BY FIRST INITIAL LAST NAME MM/YYYY
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MONTANA Department of Transportation

ROAD PLANS

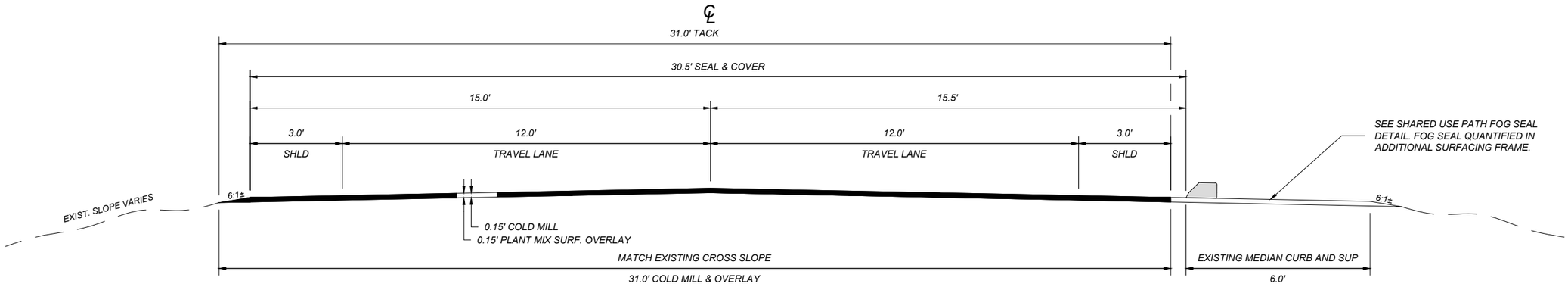
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TYPICAL SECTION NO. 3

S-269

STA. 236+00.00 TO STA. 240+00.00 THEN TYP. NO. 4



QUANTITIES

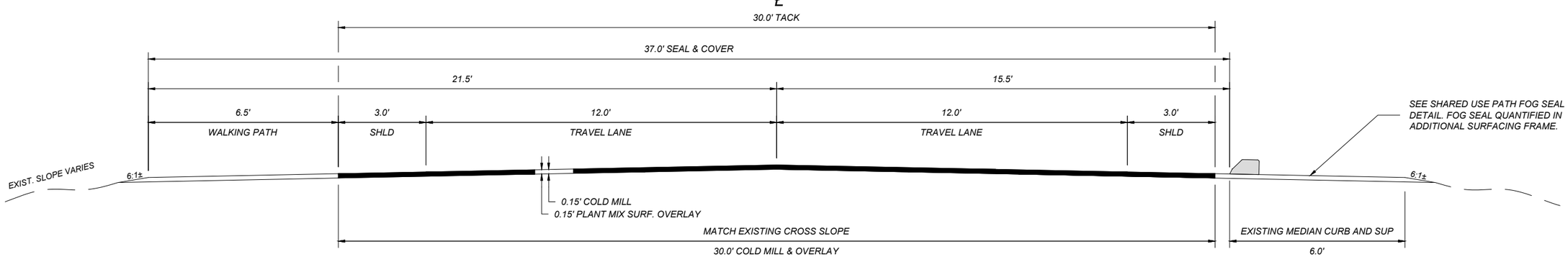
UNIT	AGGREGATE		UNIT	BITUMINOUS MATERIAL			COLD MILLING
	COVER	PLANT MIX		ASPHALT CEMENT	SEAL	EMULSIFIED ASPHALT TACK#	
AREA square feet		4.58	square yards PER STATION		339	344	344
cubic yards PER STATION		17.0	tons PER STATION	1.84	0.61		
tons PER STATION		32.8	gals. PER STATION			17	
square yards PER STATION	339						

#BASED ON 1 APPLICATION

TYPICAL SECTION NO. 4

S-269

STA. 240+00.00 TO STA. 246+00.00 THEN TYP. NO. 5



QUANTITIES

UNIT	AGGREGATE		UNIT	BITUMINOUS MATERIAL			COLD MILLING
	COVER	PLANT MIX		ASPHALT CEMENT	SEAL	EMULSIFIED ASPHALT TACK#	
AREA square feet		4.50	square yards PER STATION		411	333	333
cubic yards PER STATION		16.7	tons PER STATION	1.80	0.73		
tons PER STATION		32.2	gals. PER STATION			17	
square yards PER STATION	411						

#BASED ON 1 APPLICATION

SHEET NO. 06

TYPICAL SECTIONS

PROJECT NAME: CORVALLIS-NORTH
COUNTY: RAVALLI
PROJECT ID: STPS 269-1(55)5
UPN: 10236000

DESIGNED BY: M. CORNYN 09/23
REVIEWED BY: FIRST INITIAL LAST NAME MM/YYYY
CHECKED BY: FIRST INITIAL LAST NAME MM/YYYY

MONTANA Department of Transportation

ROAD PLANS

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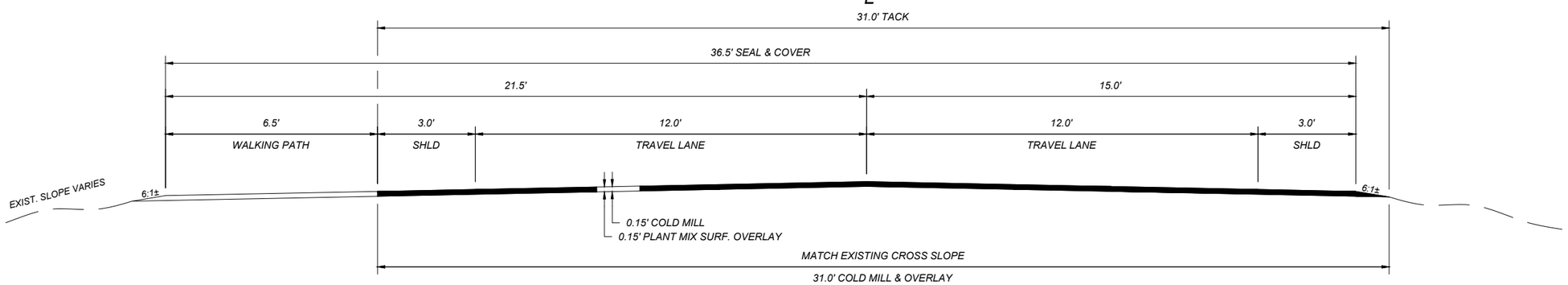
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TYPICAL SECTION NO. 5

S-269

STA. 246+00.00 TO STA. 252+00.00 THEN TYP. NO. 2



QUANTITIES

UNIT	AGGREGATE		UNIT	BITUMINOUS MATERIAL			COLD MILLING
	COVER	PLANT MIX		ASPHALT CEMENT	SEAL	EMULSIFIED ASPHALT TACK#	
AREA square feet		4.58	square yards PER STATION		406	344	344
cubic yards PER STATION		17.0	tons PER STATION	1.84	0.72		
tons PER STATION		32.8	gals. PER STATION			17	
square yards PER STATION	406						

#BASED ON 1 APPLICATION

SHEET NO. 07

TYPICAL SECTIONS

CORVALLIS-NORTH

RAVALLI

STPS 269-1(55)5

10236000

MONTANA
Department of Transportation

ROAD PLANS

DESIGNED BY	PROJECT NAME
M. CORNYN 09/23	CORVALLIS-NORTH
REVIEWED BY	COUNTY
FIRST INITIAL LAST NAME MM/YYYY	RAVALLI
CHECKED BY	PROJECT ID
FIRST INITIAL LAST NAME MM/YYYY	STPS 269-1(55)5
	UPN 10236000

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SUMMARY

SURFACING

STATION FROM	STATION TO	linear feet GROSS	linear feet NET	linear feet +	linear feet -	FOR	tons HYDRATED LIME	AGGREGATE sq. yards COVER TYPE 1	AGGREGATE tons PLANT MIX BIT. SURF. GRADE S - 1/2"	AGGREGATE cu. yards CRUSHED AGG. COURSE	BITUMINOUS MATERIAL tons ASPHALT CEMENT PG 58V-34	BITUMINOUS MATERIAL tons EMULSIFIED ASPHALT CHFRS-2P	BITUMINOUS MATERIAL gals. EMULSIFIED ASPHALT TACK	BITUMINOUS MATERIAL gals. EMULSIFIED ASPHALT FOG SEAL	sq. yards SEPARATION GEOTEXTILE - HIGH	REMARKS
S-269																
188+00.00	201+61.55	1,361.55	1,361.55					4,534				8.0		340		TYP. NO. 1
201+61.55	202+78.45	116.90	116.90					389	39		2.2	0.7	21	29		TYP. NO. 2
202+78.45																
204+97.90 Bk.	204+96.77 Ah.			1.13		EQUATION										
211+12.08 B.E.	211+49.92 B.E.				37.84	BRIDGE - IRRIGATION CANAL										
	215+43.00	1,264.55	1,227.84					4,089				7.2		307		TYP. NO. 1
215+43.00																
235+32.60 Bk.	235+32.61 Ah.				0.01	EQUATION										
	236+00.00	2,057.00	2,056.99					6,850	683		38.3	12.1	370	514		TYP. NO. 2
236+00.00	240+00.00	400.00	400.00					1,356	131		7.4	2.4	68			TYP. NO. 3
240+00.00	246+00.00	600.00	600.00					2,466	193		10.8	4.4	102			TYP. NO. 4
246+00.00																
247+77.40 Bk.	247+75.78 Ah.			1.62		EQUATION										
	252+00.00	600.00	601.62					2,443	197		11.1	4.3	102			TYP. NO. 5
252+00.00																
335+72.30 Bk.	335+77.56 Ah.				5.26	EQUATION										
	382+13.69	13,013.69	13,008.43					43,318	4,319		242.0	76.7	2,342	3,252		TYP. NO. 2
382+13.69																
398+83.75 B.E.	399+16.25 B.E.				32.50	BRIDGE - IRRIGATION CANAL										
400+25.82 Bk.	400+24.62 Ah.			1.20		EQUATION										
422+72.95 Bk.	426+80.57 Ah.				407.62	EQUATION										
450+38.18 B.E.	450+72.68 B.E.				34.50	BRIDGE - IRRIGATION CANAL										
468+25.81 Bk.	468+25.80 Ah.			0.01		EQUATION										
505+56.61 Bk.	505+50.77 Ah.			5.84		EQUATION										
532+00.01 Bk.	531+98.60 Ah.			1.41		EQUATION										
541+36.52 Bk.	541+36.23 Ah.			0.29		EQUATION										
553+31.70 B.E.	553+48.70 B.E.				17.00	BRIDGE - UNION DITCH										
553+48.70 A.S.	553+65.00 A.S.				16.30	APPROACH SLAB										
553+65.00 B.E.	553+85.50 B.E.				20.50	BRIDGE - ETNA DITCH										
563+21.32 Bk.	563+21.20 Ah.			0.12		EQUATION										
572+85.07 Bk.	572+85.20 Ah.				0.13	EQUATION										
	578+00.00	19,586.31	19,066.63					63,492				112.5		4,767		TYP. NO. 1
						ADDITIONAL SURFACING		1,004	108	19	6.1	1.9	60	115	87	
TOTAL		39,000.00	38,439.96	11.62	571.66		79	129,941	5,670	19	317.9	230.2	3,065	9,324	87	

A.S. = APPROACH SLAB

ADDITIONAL SURFACING (INCLUDED IN SURFACING FRAME)

STATION FROM	STATION TO	linear feet GROSS	linear feet NET	linear feet +	linear feet -	FOR	AGGREGATE sq. yards COVER TYPE 1	AGGREGATE tons PLANT MIX BIT. SURF. GRADE S - 1/2"	AGGREGATE cu. yards CRUSHED AGG. COURSE	BITUMINOUS MATERIAL tons ASPHALT CEMENT PG 58V-34	BITUMINOUS MATERIAL tons EMULSIFIED ASPHALT CHFRS-2P	BITUMINOUS MATERIAL gals. EMULSIFIED ASPHALT TACK	BITUMINOUS MATERIAL gals. EMULSIFIED ASPHALT FOG SEAL	sq. yards SEPARATION GEOTEXTILE - HIGH	REMARKS
S-269															
						10 - PUBLIC APPROACHES	1,004	96		5.4	1.9	53	75		SEE APPROACHES FRAME
202+11.55 R.R.	202+28.45 R.R.	16.90	16.90			RAILROAD		12	19	0.7		7		87	SEE RAILROAD REMOVAL DETAIL
236+00.00	246+00.00	1,000.00	1,000.00			SHARED USE PATH - RT.							40		SEE SHARED USE PATH DETAIL
SUBTOTAL		~	~	~	~		1,004	108	19	6.1	1.9	60	115	87	

SHEET NO. 08

SUMMARY

PROJECT NAME CORVALLIS-NORTH
COUNTY RAVALLI
PROJECT ID STPS 269-1(55)5
UPN 10236000

DESIGNED BY M. CORNYN 09/23
REVIEWED BY FIRST INITIAL LAST NAME MM/YYYY
CHECKED BY FIRST INITIAL LAST NAME MM/YYYY
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MONTANA Department of Transportation

ROAD PLANS

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SUMMARY

COLD MILLING *

STATION		sq. yards	REMARKS
		COLD MILLING	
FROM	TO	0.15 ft	
201+61.55			
202+11.55 R.R.	202+28.45 R.R.		
	202+78.45	356	32' WIDTH
215+43.00	236+00.00	7,323	32' WIDTH
236+00.00	240+00.00	1,376	31' WIDTH
240+00.00	246+00.00	1,998	30' WIDTH
246+00.00	252+00.00	2,070	31' WIDTH
252+00.00	382+13.69	46,310	32' WIDTH
		739	10 - PUBLIC APPROACHES
SUBTOTAL		60,172	
TOTAL		60,172	

* SEE DETAILS

CRACK SEALING *

STATION		TRANSVERSE & LONGITUDINAL CRACK SEALING				REMARKS
		CRACK SEALING		CRACK FILLING - MASTIC		
FROM	TO	pounds	linear feet	pounds	linear feet	
188+00.00	201+61.55	711	1,015	322	189	
202+78.45	215+43.00	608	868	275	162	
382+13.69	578+00.00	3,949	5,642			
SUBTOTAL		5,268	#	597	#	
TOTAL		5,268	#	597	#	

* SEE DETAIL SHEET
# FOR INFORMATION ONLY

SIDEWALK

STATION		sq. yards						REMARKS
		CONCRETE SIDEWALK		DETECTABLE WARNING DEVICES		REMOVE SIDEWALK #		
		4"		TYPE 1				
FROM	TO	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	
245+49		2.0	3.7	1.1	2.2	2.0	1.1	SEE CURB RAMP DETAILS
SUBTOTAL		2.0	3.7	1.1	2.2	2.0	1.1	
TOTAL		5.7		3.3		~		

FOR INFORMATION ONLY - INCLUDE IN THE COST OF NEW SIDEWALK

RUMBLE STRIPS *

STATION		miles	gals	REMARKS
		RUMBLE STRIPS	EMULSIFIED ASPHALT FOG SEAL #	
		SINUSOIDAL CENTERLINE		
FROM	TO			
215+43.00	236+00.00	0.4	46	
260+92.00	382+13.69	2.3	270	
SUBTOTAL		2.7	316	
TOTAL		2.7	~	

FOR INFORMATION ONLY, INCLUDE IN THE COST OF RUMBLE STRIPS
* SEE DETAIL

RAILROAD SIGNAL REMOVAL

STATION	lump sum	REMARKS
	REMOVE MISC. ITEMS	
202+12	0.5	REMOVE R.R. CROSSING SIGNAL LT.
202+28	0.5	REMOVE R.R. CROSSING SIGNAL RT.
TOTAL	1	

GUARDRAIL

STATION		each				REMARKS
		RESET OPTIONAL TERMINAL SECTION		GUARDRAIL END SECTION WIDENING		
FROM	TO	LEFT	RIGHT	LEFT	RIGHT	
NEW RAIL						
189+42.00	189+92.00	1		1		
196+73.00	197+23.00	1		1		
212+48.00	212+98.00		1		1	
400+22.00	400+72.00		1		1	
401+72.00	402+22.00	1		1		
450+73.00	451+23.00	1		1		
453+10.20	453+60.20	1		1		
SUBTOTAL		5	2	5	2	
TOTAL		7		7		

GRADING *

STATION	cu. yards	REMARKS
	EMB. IN PLACE	
202+20	5	BACKFILL RAILROAD SIGNAL POSTS
202+20	10	BACKFILL RAILROAD CROSSING OUTSIDE OF ROAD PRISM
TOTAL	15	

* SEE DETAILS & SPEC. PROVISIONS FOR ADDITIONAL INFORMATION

SHEET NO.
09

SUMMARY

PROJECT NAME: CORVALLIS-NORTH
COUNTY: RAVALLI
PROJECT ID: STPS 269-1(55)5
UPN: 10236000

DESIGNED BY: M. CORNYN 09/23
REVIEWED BY: FIRST INITIAL LAST NAME MM/YYYY
CHECKED BY: FIRST INITIAL LAST NAME MM/YYYY
10236000RDSUM001.DWG

MONTANA
Department of Transportation

ROAD PLANS

3/8/2024 1:02 PM

AWARD COPY

SUMMARY

MEDIAN CONCRETE CURB

STATION		linear feet			REMARKS
		MEDIAN CONCRETE CURB	REMOVE MEDIAN CURB #	REMOVE MEDIAN CURB	
FROM	TO	TYPE A			
236+02.00	236+20.00	18.0	18.0		REPLACE DAMAGED MEDIAN CURB IN EX. LOCATION RT.
236+50.00	236+60.00	10.0	10.0		REPLACE DAMAGED MEDIAN CURB IN EX. LOCATION RT.
237+80.00	238+50.00	70.0	70.0		REPLACE DAMAGED MEDIAN CURB IN EX. LOCATION RT.
238+94.00	239+29.00	35.0	35.0		REPLACE DAMAGED MEDIAN CURB IN EX. LOCATION RT.
239+39.00	239+49.00	10.0	10.0		REPLACE DAMAGED MEDIAN CURB IN EX. LOCATION RT.
239+59.00	239+89.00	30.0	30.0		REPLACE DAMAGED MEDIAN CURB IN EX. LOCATION RT.
241+10.00	241+40.00	30.0	30.0		REPLACE DAMAGED MEDIAN CURB IN EX. LOCATION RT.
241+50.00	241+70.00	20.0	20.0		REPLACE DAMAGED MEDIAN CURB IN EX. LOCATION RT.
242+10.00	242+30.00	20.0	20.0		REPLACE DAMAGED MEDIAN CURB IN EX. LOCATION RT.
242+94.00	23+14.00	20.0	20.0		REPLACE DAMAGED MEDIAN CURB IN EX. LOCATION RT.
243+94.00	244+34.00	40.0	40.0		REPLACE DAMAGED MEDIAN CURB IN EX. LOCATION RT.
244+54.00	244+74.00	20.0	20.0		REPLACE DAMAGED MEDIAN CURB IN EX. LOCATION RT.
244+94.00	245+04.00	10.0	10.0		REPLACE DAMAGED MEDIAN CURB IN EX. LOCATION RT.
236+00.00	246+43.00			28.0	REMOVE 14 - 2' CURB RADIUSES RT.
237+27.00	237+37.00			10.0	REMOVE 10' OF TANGENT MEDIAN CURB TO PROVIDE INCREASED TURNING MOVEMENTS FOR BUS TRAFFIC RT.
240+84.00	240+94.00			10.0	REMOVE 10' OF TANGENT MEDIAN CURB TO PROVIDE INCREASED TURNING MOVEMENTS FOR BUS TRAFFIC RT.
245+75.00	254+85.00			10.0	REMOVE 10' OF TANGENT MEDIAN CURB TO PROVIDE INCREASED TURNING MOVEMENTS FOR BUS TRAFFIC RT.
TOTAL		333.0	~	58.0	

FOR INFORMATION ONLY - INCLUDE IN THE COST OF CONCRETE MEDIAN CONCRETE CURB TYPE A

PAVEMENT MARKINGS

ITEM	UNIT	INTERIM APPLICA-TION #	FINAL APPLICA-TION	TOTAL
STRIPING - WHITE PAINT	gallon	452		452
STRIPING - YELLOW PAINT	gallon	279		279
WORDS & SYMBOLS - WHITE PAINT	gallon	9		9
STRIPING - WHITE EPOXY	gallon		603	603
STRIPING - YELLOW EPOXY	gallon		372	372
WORDS & SYMBOLS - WHITE EPOXY	gallon		12	12
CURB MARKING - YELLOW EPOXY	gallon		4	4
TEMPORARY STRIPING	linear feet			16,784
FINAL SWEEP AND BROOM *	course mile			0.3

BASED ON 1 APPLICATION
* FROM STATION 236+00 TO 252+00

REVEGETATION *

STATION		lump sum	REMARKS
		REVEGE-TATION	
FROM	TO		
188+00	578+00	1	
TOTAL		1	

* SEE SPECIAL PROVISION

AT GRADE R.R. CROSSING - REMOVAL

STATION		lump sum	REMARKS
		MISCELLAN-EOUS ITEMS - REMOVAL	
FROM	TO		
202+11.55 R.R.	202+28.45 R.R.	1	RAILROAD REMOVAL
TOTAL		1	

* SEE DETAIL & SPEC. PROVISION FOR ADDITIONAL INFORMATION

SHEET NO. 10

SUMMARY

PROJECT NAME: CORVALLIS-NORTH
COUNTY: RAVALLI
PROJECT ID: STPS 269-1(55)5
UPN: 10236000

DESIGNED BY: M. CORNYN 09/23
REVIEWED BY: FIRST INITIAL LAST NAME MM/YYYY
CHECKED BY: FIRST INITIAL LAST NAME MM/YYYY

MONTANA Department of Transportation

ROAD PLANS

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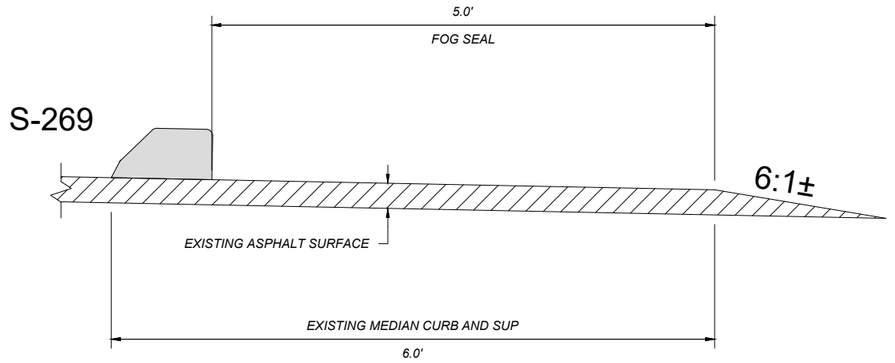
AWARD COPY

DETAIL

SHARED USE PATH TYPICAL SECTION

S-269

STA. 236+00.00 TO STA. 246+00.00 RT.



QUANTITIES	
UNIT	BITUMINOUS MATERIAL
	EMULSIFIED ASPHALT FOG SEAL
square yards PER STATION	56
tons PER STATION	
gals. PER STATION	4

SHEET NO. 11

SHARED-USE-PATH (SUP) TYPICAL SECTION

PROJECT NAME CORVALLIS-NORTH

COUNTY RAVALLI

PROJECT ID STPS 269-1(55)5

UPN 10236000

DESIGNED BY M. CORNYN 09/23

REVIEWED BY FIRST INITIAL LAST NAME MM/YYYY

CHECKED BY FIRST INITIAL LAST NAME MM/YYYY

MONTANA Department of Transportation

ROAD PLANS

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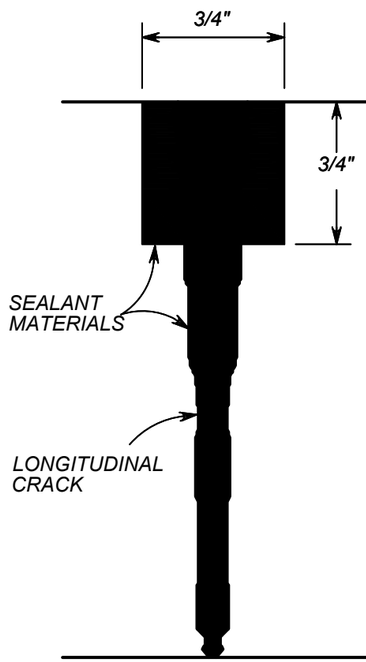
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DETAIL

CRACKS 1/8" TO 1.5" WIDE

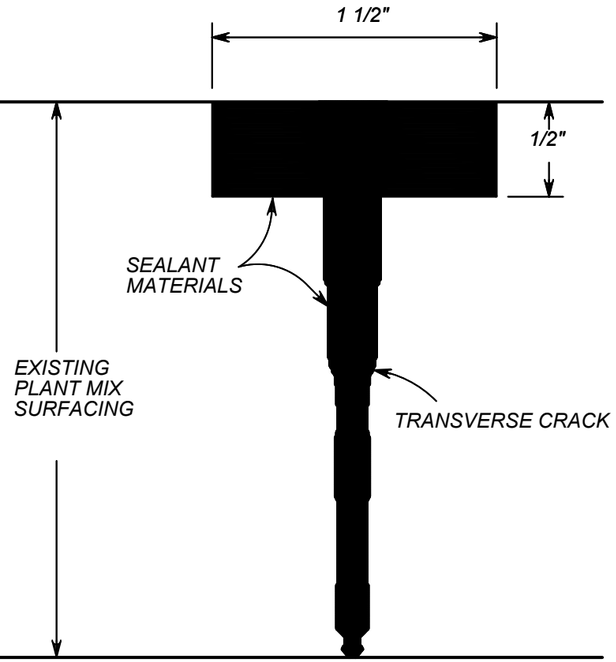
LONGITUDINAL CRACK

ROUT 3/4" WIDE x 3/4" DEEP
PRIOR TO APPLYING SEALANT



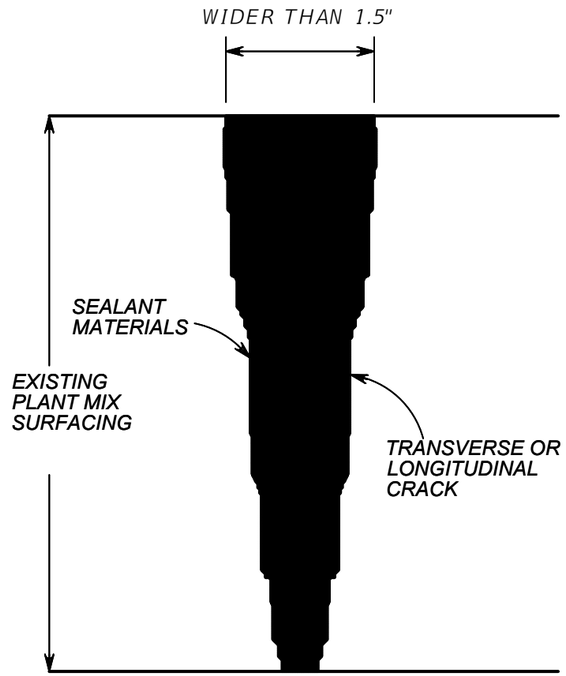
TRANSVERSE CRACK

ROUT 1 1/2" WIDE x 1/2" DEEP
PRIOR TO APPLYING SEALANT



CRACKS WIDER THAN 1.5" MASTIC REQUIRED

LEAVE EXISTING CRACK SEAL IN PLACE



SHEET NO.
12

CRACK SEALING

PROJECT NAME: CORVALLIS-NORTH
COUNTY: RAVALLI
PROJECT ID: STPS 269-1(55)5
UPN: 10236000

DESIGNED BY: M. CORNYN 09/23
REVIEWED BY: FIRST INITIAL LAST NAME MM/YYYY
CHECKED BY: FIRST INITIAL LAST NAME MM/YYYY

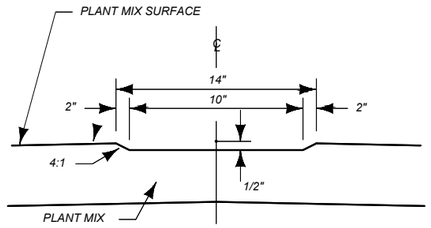
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MONTANA
Department of Transportation

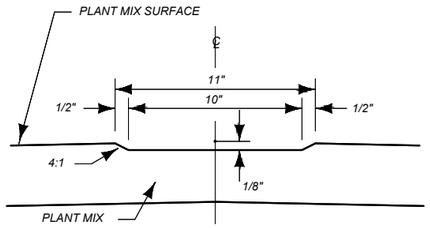
ROAD PLANS

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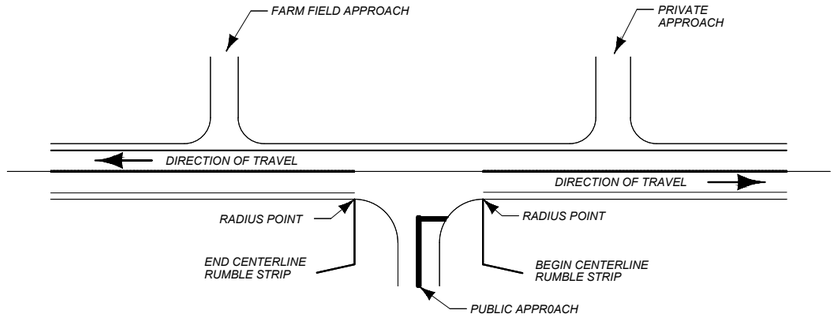
DETAIL



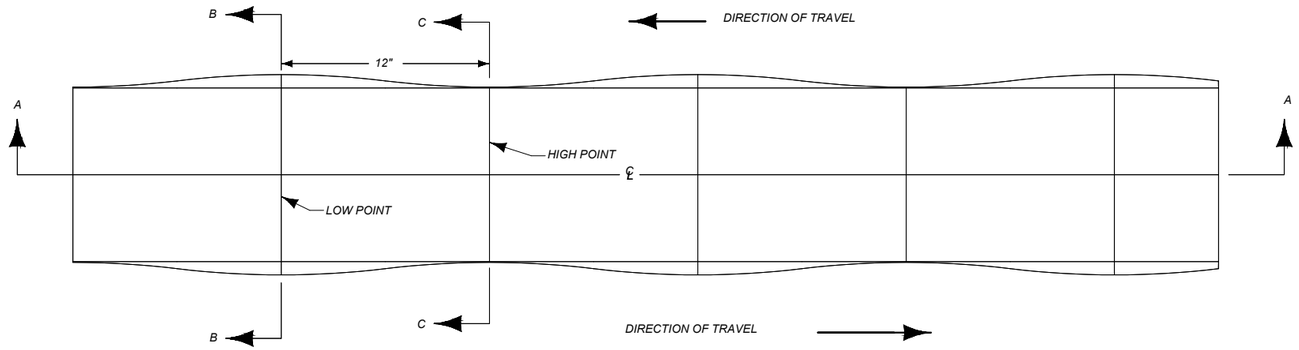
SECTION B-B



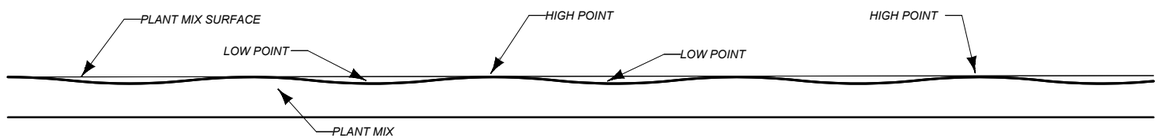
SECTION C-C



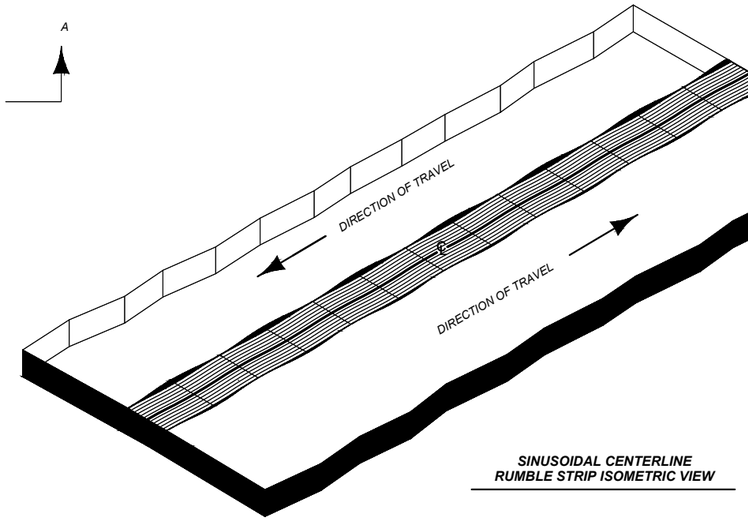
SINUSOIDAL CENTERLINE RUMBLE STRIP APPROACH DETAIL



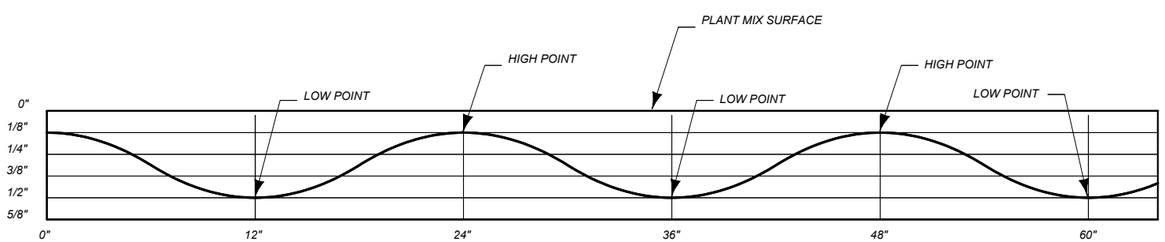
SINUSOIDAL CENTERLINE RUMBLE STRIP WITH TAPERED GROOVE PLAN VIEW



SECTION A-A



SINUSOIDAL CENTERLINE RUMBLE STRIP ISOMETRIC VIEW



SINUSOIDAL CENTERLINE RUMBLE STRIP PROFILE VIEW

EXAGGERATED VERTICAL SCALE 10:1

NOTES:

BREAK SINUSOIDAL CENTERLINE RUMBLE STRIPS FOR PUBLIC APPROACHES ONLY.

DO NOT INSTALL SINUSOIDAL CENTERLINE RUMBLE STRIPS ON CONCRETE BRIDGE DECKS AND CONCRETE BRIDGE APPROACH SLABS.

DO NOT INSTALL SINUSOIDAL CENTERLINE RUMBLE STRIPS IN AREAS POSTED AT 45 MPH OR LESS.

ROUTES WITHIN DESIGNATED CITY OR URBAN LIMITS USE ENGINEERING JUDGEMENT ON A CASE BY CASE BASIS TO DETERMINE IF SINUSOIDAL CENTERLINE RUMBLE STRIP INSTALLATION IS APPROPRIATE.

MINIMUM VERTICAL MILLING DEPTHS AND DIFFERENCE BETWEEN MILLING HIGH POINTS AND LOW POINTS SHOWN IN DETAIL. ADDITIONAL 1/8" DEPTH OF MILLING IS ALLOWABLE ON INSTALLATION OF SINUSOIDAL CENTERLINE RUMBLE STRIP.

SEE DETAILED DRAWING 620-30 FOR CENTERLINE RUMBLE STRIP PAVEMENT MARKING INFORMATION.

SHEET NO. 13

SINUSOIDAL CENTERLINE RUMBLE STRIP

PROJECT NAME: CORVALLIS-NORTH
COUNTY: RAVALLI
PROJECT ID: STPS 269-1(55)5
UPN: 10236000

DESIGNED BY	M. CORNYN	09/23
REVIEWED BY	FIRST INITIAL LAST NAME	MM/YYYY
CHECKED BY	FIRST INITIAL LAST NAME	MM/YYYY

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MONTANA Department of Transportation

ROAD PLANS

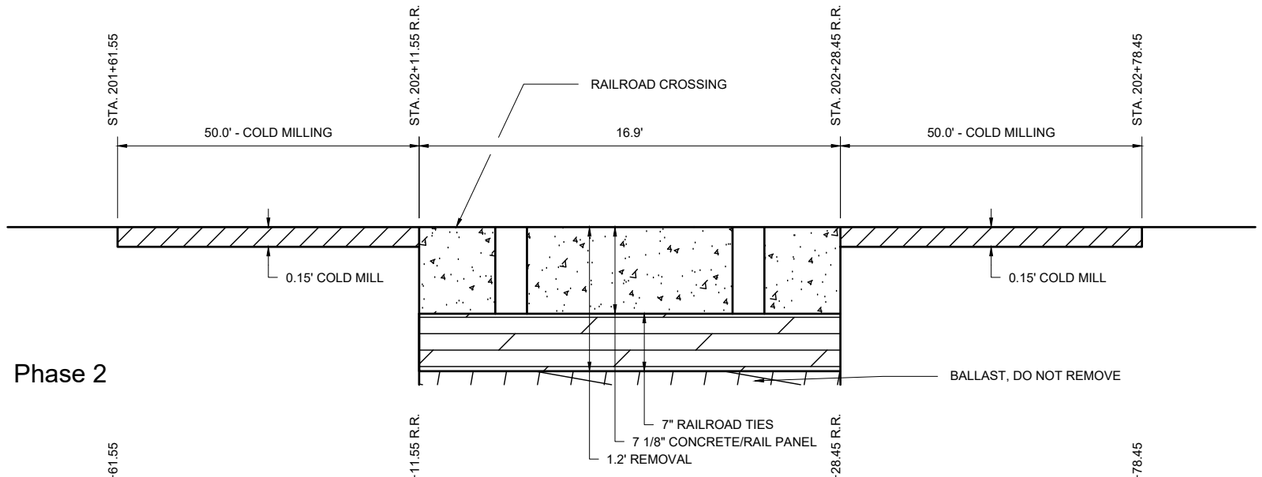
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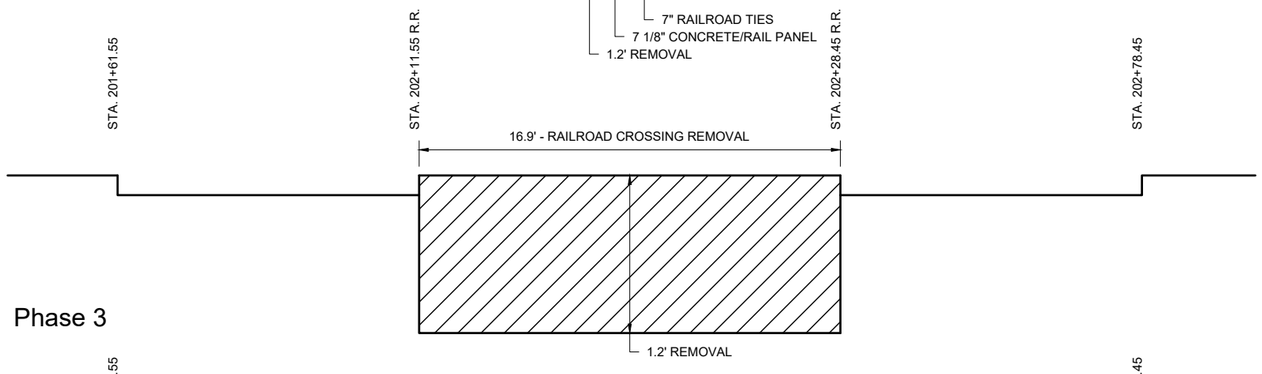
DETAIL

Section A-A

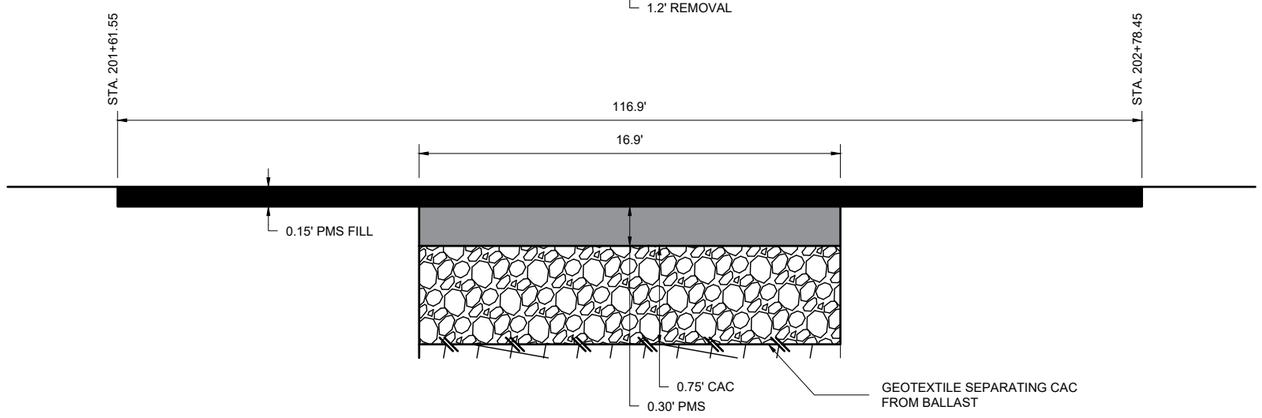
Phase 1

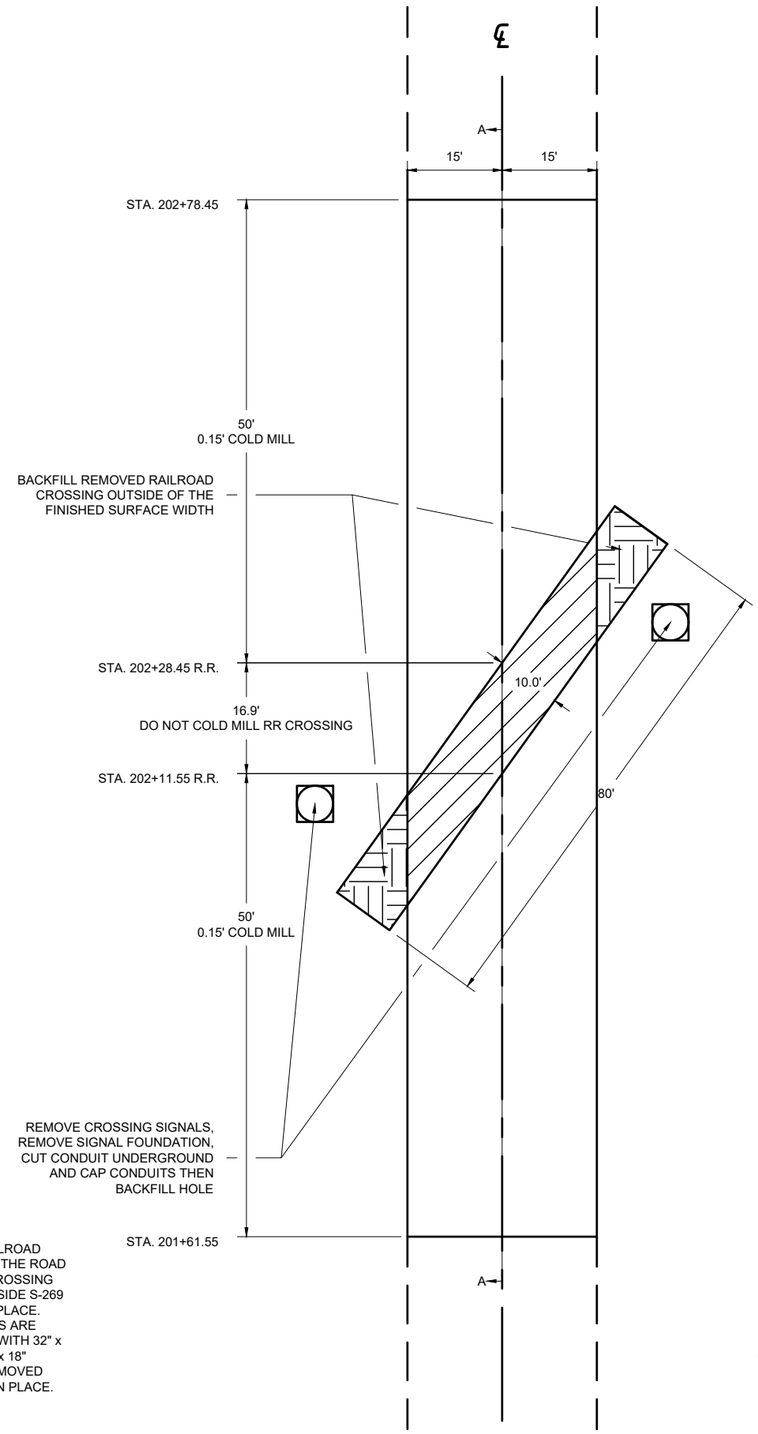


Phase 2



Phase 3





NOTE:
1. REMOVE THE ENTIRE RAILROAD CROSSING BUT ONLY PAVE THE ROAD PRISM. FILL IN RAILROAD CROSSING SECTIONS WHICH ARE OUTSIDE S-269 ROAD PRISM WITH EMB. IN PLACE.
2. CONCRETE FOUNDATIONS ARE ESTIMATED TO BE 5' DEEP, WITH 32" x 32" SQUARE BASE, AND 18" x 18" SQUARE TOP. BACKFILL REMOVED SIGNAL POSTS WITH EMB. IN PLACE.

SHEET NO.
14

RAILROAD REMOVAL
MILL PHASES

PROJECT NAME: CORVALLIS-NORTH
COUNTY: RAVALLI
PROJECT ID: STPS 269-1(55)5
UPN: 10236000

DESIGNED BY	M. CORNYN	09/23
REVIEWED BY	FIRST INITIAL LAST NAME	MM/YYYY
CHECKED BY	FIRST INITIAL LAST NAME	MM/YYYY

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MONTANA
Department of Transportation

ROAD PLANS

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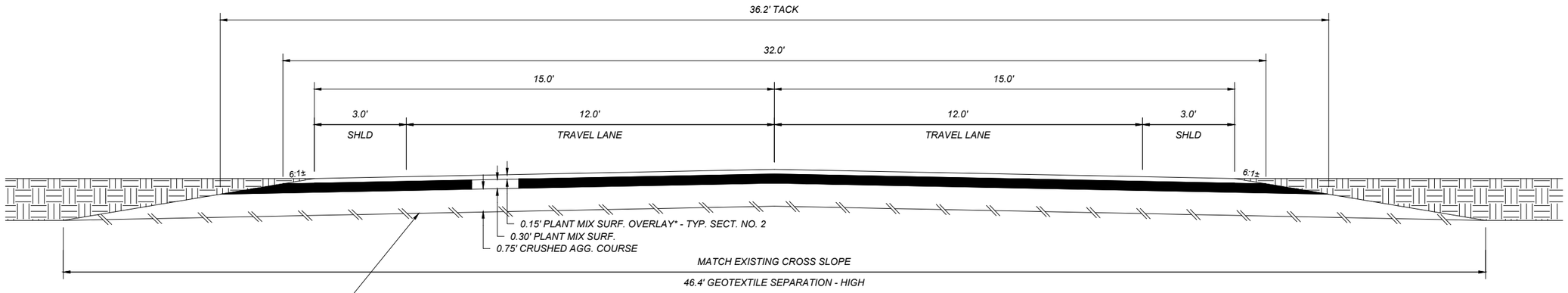
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DETAIL

SECTION B-B #

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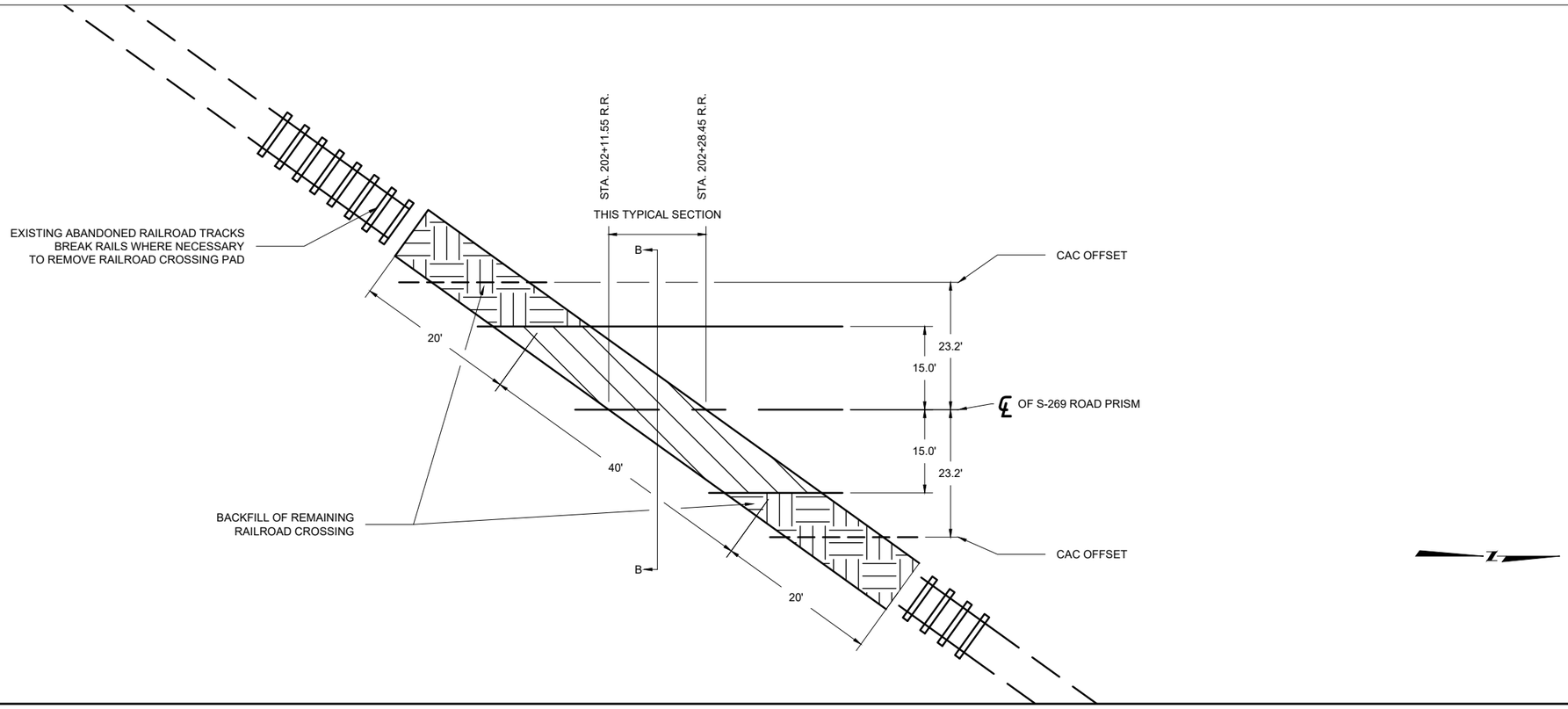
* TOP LAYER OF SURFACING IS APPLIED IN TYPICAL SECT. NO. 2 PAVING OPERATION



QUANTITIES						
UNIT	AGGREGATE		UNIT	BITUMINOUS MATERIAL		SEPARATION GEOTEXTILE HIGH
	PLANT MIX	CR. AGG. COURSE		ASPHALT CEMENT	EMULSIFIED ASPHALT TACK*	
AREA square feet	10.23	30.98	square yards PER STATION		804	516
cubic yards PER STATION	37.9	114.7	tons PER STATION	4.09		
tons PER STATION	73.1		gals. PER STATION		40	
square yards PER STATION						

* BASED ON 2 APPLICATIONS

SECTION B-B VIEW IS ONLY MEANT TO SHOW WHAT THE TYPICAL WIDTH AND DEPTH CONFIGURATIONS ARE IN THE RAILROAD CROSSING REPLACEMENT AREA. SECTION B-B DOES NOT REACH FULL TYPICAL WIDTH ANYWHERE WITHIN THE RAILROAD CROSSING REMOVAL AREA.



SHEET NO. 15

RAILROAD REMOVAL TYPICAL

PROJECT NAME: CORVALLIS-NORTH

COUNTY: RAVALLI

PROJECT ID: STPS 269-1(55)5

UPN: 10236000

DESIGNED BY		09/23
M. CORNYN	REVIEWED BY	MM/YYYY
FIRST INITIAL LAST NAME	CHECKED BY	MM/YYYY
FIRST INITIAL LAST NAME		MM/YYYY

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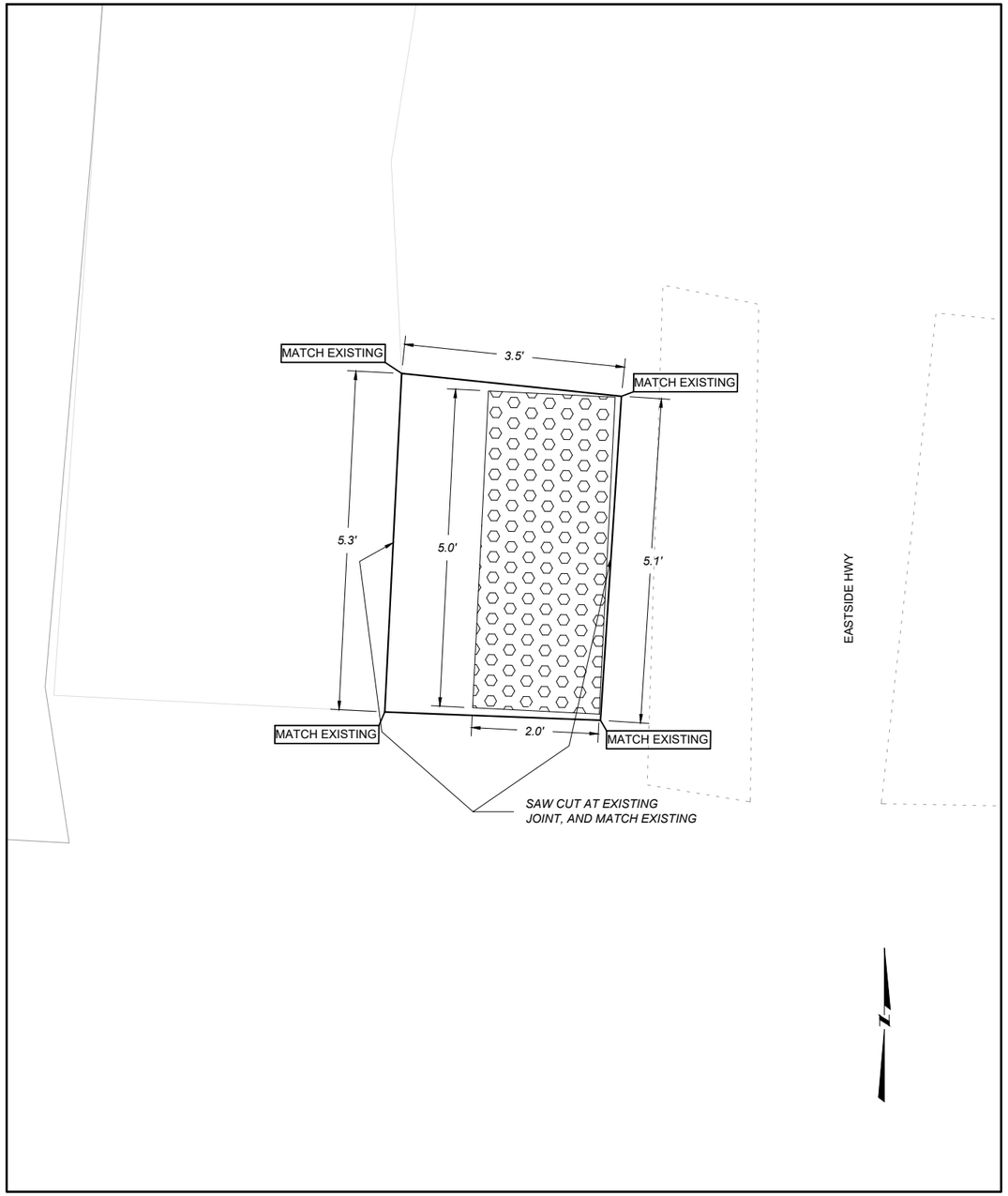
MONTANA Department of Transportation

ROAD PLANS

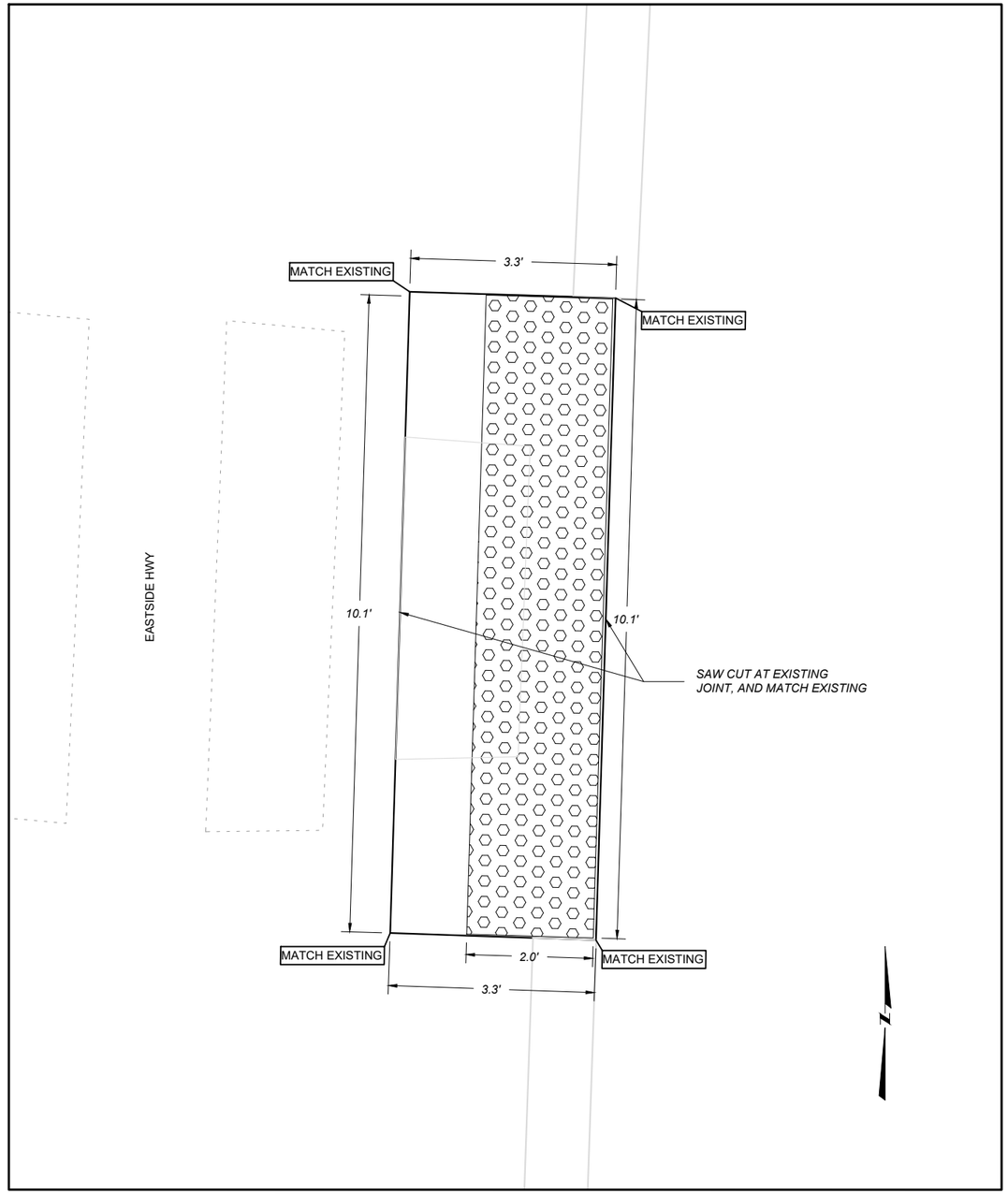
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INTERSECTION OF (1ST ST - EASTSIDE HWY)
NORTHWEST CORNER



INTERSECTION OF (1ST ST - EASTSIDE HWY)
NORTHEAST CORNER



LEGEND

DETECTABLE WARNING DEVICES

CONTRACTOR VERIFY ELEVATIONS IN THE FIELD PRIOR TO CONSTRUCTION.

MATCH EXISTING ELEVATIONS AT ALL JOINTS BETWEEN NEW AND EXISTING CONCRETE. ELEVATIONS SHOWN AT MATCH LINE LOCATIONS ARE APPROXIMATE.

1ST ST & EASTSIDE HWY CURB RAMP DETAILS

NO SCALE

SHEET NO. 16

1ST ST. NW & NE CORNERS CURB RAMPS

PROJECT NAME	CORVALLIS-NORTH
COUNTY	RAVALLI
PROJECT ID	STPS 269-1(55)5
UPN	10236000
DESIGNED BY	M. CORNYN 09/23
REVIEWED BY	FIRST INITIAL LAST NAME MM/YYYY
CHECKED BY	FIRST INITIAL LAST NAME MM/YYYY

MONTANA Department of Transportation

ROAD PLANS

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SUMMARY
SIGNING & DELINEATION QUANTITIES

MATERIAL	TOTAL	UNIT
SIGNS-ALUM REFL SHEET IV		SQ. FOOT
SIGNS-ALUM REFL SHEET XI	965.6	SQ. FOOT
SIGNS-ALUM SHEET INCR IV		SQ. FOOT
SIGNS-ALUM SHEET INCR XI	40.0	SQ. FOOT
OVERLAY-SHEET ALUMINUM		SQ. FOOT
POSTS-STEEL U SIGN	136	POUNDS
POLES-TREATED WOOD 4 IN	354	LINEAR FT.
POLES-TREATED WOOD 5 IN	450	LINEAR FT.
POLES-TREATED TIMBER-CLASS 4		LINEAR FT.
POLES-TREATED TIMBER-CLASS 3		LINEAR FT.
POSTS-TUBULAR STEEL	197.0	POUNDS
POSTS-TUBULAR STEEL-SQ-PERF	2,053	POUNDS
POSTS-STEEL STRUCTURAL SIGN	115	POUNDS
OVERHEAD STR/METAL-CANTILEVER		EACH
OVERHEAD STR/METAL-BRIDGE		EACH
HIGHWAY TRAFFIC STRIPING-WHITE		GAL.(S)
HIGHWAY TRAFFIC STRIPING-YELLOW		GAL.(S)
WORDS & SYMBOLS		GAL.(S)
DELINEATOR TYPE 1	282	EACH
DELINEATOR DES A		EACH
DELINEATOR DES B		EACH
DELINEATOR DES C		EACH
DELINEATOR DES D		EACH
DELINEATOR DES E		EACH
DELINEATOR DES F		EACH
DELINEATOR DES G		EACH
DELINEATOR DES H		EACH
REMOVE SIGNS	100	EACH
REMOVE SIGNS-GUIDE	3	EACH
RESET SIGNS		EACH
RESET SIGNS-GUIDE		EACH
FRANG SIGN POST BKWY- 3-½"PIPE	2	EACH
FRANG SIGN POST BKWY-		EACH
FRANG SIGN POST BKWY-		EACH
FRANG SIGN POST BKWY- S3x5.7	2	EACH
SQ TUBLR SLIP BASE BKWY-3 IN	30	EACH

DELINEATION TABLE		
⊣	DESIGN "A"	228
⊣⊢	DESIGN "D"	54

AWARD COPY

SIGN LOCATION AND SPECIFICATIONS

STATION	RAMP NO.	SIGN NO.	PANEL SIZE	REFL SHTG TYPE: BACK-GROUND	REFL SHTG TYPE: LEGEND	FEET: CLEARANCE	FEET: SIGN SUPPORT SPACING	TYPE OF SUPPORT	FEET: CANTILEVER	FEET: SUPPORT LENGTH (ESTIMATED)	FEET: SUPPORT LENGTH (INSTALLED)	FEET: MOUNTING HEIGHT	FEET: FOUNDATION DEPTH	SIGN PANEL (SQ. FT.): SHEET ALUMINUM	SIGN PANEL (SQ. FT.): ALUMINUM SHEET INCREMENT	SIGN PANEL (SQ. FT.): ALUMINUM SHEET OVERLAY	TIMBER POLE (LINEAR FT.): 4" TOP DIA.	TIMBER POLE (LINEAR FT.): 5" TOP DIA.	STEEL POST(LBS.): ROUND TUBULAR	STEEL POST(LBS.): SQUARE TUBULAR	STEEL POST(LBS.): STRUCTURAL STEEL	STEEL POST(LBS.): "U" POST	BREAKAWAY	SIGNS/GUIDE: REMOVE	SIGNS/GUIDE: RESET	SIGNS/GUIDE: REMOVE	SIGNS/GUIDE: RESET	REMARKS
4.734 Rt.		W14-3	48"x48"x36"	XI		10-0		4" Dia. POLE		12-4		5-0	3-0	5.5 (XI)			14						1				BBR	NO PASSING ZONE
4.750 Lt.		W2-1	30"x30"	XI		10-0		5" Dia. POLE		13-5		5-0	3-0	6.3 (XI)				14				X	1					
		W16-8	48"x15"	XI										5.0 (XI)														CEMETERY RD HAWKER LN
4.779 Lt.		D3 (2)	42"x10"	XI	XI	6-0		5" Dia. POLE		14-2		5-0	3-6	2.9 (XI) 2.9 (XI)				16				X	1					MARSHALL LN
		D3 (2)	42"x10"	XI	XI									2.9 (XI) 2.9 (XI)														EASTSIDE HWY
		R1-1	30"x30"	XI	XI									5.2 (XI)														STOP
4.829 Rt.		By Others White Cross																										By Others
4.957 Lt.		W14-3	REMOVE																				1					NO PASSING ZONE
5.000 Rt.		D10-1 (2) M.P. 5	10"x18"	XI	XI	4-0		2 Lb. STL-U		9-2		4-0	3-0	1.3 (XI) 1.3 (XI)								19	1					
5.035 Rt.		R15-1	REMOVED																									See Road Plans for X-ing
5.036 Lt.		R15-1	REMOVED																									
5.070 Lt.		D3 (2)	42"x10"	XI	XI	6-0		5" Dia. POLE		14-2		5-0	3-6	2.9 (XI) 2.9 (XI)				16				X						NEW HAROLD LN
		D3 (2)	42"x10"	XI	XI									2.9 (XI) 2.9 (XI)														EASTSIDE HWY
		R1-1	30"x30"	XI	XI									5.2 (XI)														STOP
5.136 Rt.		W14-3	REMOVE																				1					NO PASSING ZONE
5.137 Lt.		W10-1	REMOVE																				1					RR
5.156 Rt.		D3 (2)	42"x10"	XI	XI	6-0		5" Dia. POLE		14-10		5-0	3-6	2.9 (XI) 2.9 (XI)				16				X						NEW COUNTRY LIVING MHP
		D3 (2)	42"x10"	XI	XI									2.9 (XI) 2.9 (XI)														EASTSIDE HWY
		R1-1	30"x30"	XI	XI									5.2 (XI)														STOP
5.183 Rt.		D3 (2)	42"x10"	XI	XI	6-0		5" Dia. POLE		14-10		5-0	3-6	2.9 (XI) 2.9 (XI)				16				X						NEW COUNTRY LIVING MHP
		D3 (2)	42"x10"	XI	XI									2.9 (XI) 2.9 (XI)														EASTSIDE HWY
		R1-1	30"x30"	XI	XI									5.2 (XI)														STOP
5.251 Rt.		W3-5	36"x36"	XI		10-0		4" Dia. POLE		14-7		5-0	3-0	9.0 (XI)			16						1					SPEED LIMIT 45
5.285 Rt.		D3 (2)	42"x10"	XI	XI	6-0		5" Dia. POLE		14-2		5-0	3-6	2.9 (XI) 2.9 (XI)				16				X						NEW LADY BUG LN
		D3 (2)	42"x10"	XI	XI									2.9 (XI) 2.9 (XI)														EASTSIDE HWY
		R1-1	30"x30"	XI	XI									5.2 (XI)														STOP
5.381 Lt.		R2-1 (60)	24"x30"	XI		10-0		4" Dia. POLE		12-4		5-0	3-0	5.0 (XI)			14						1					SPEED LIMIT 60
5.382 Rt.		R2-1 (45)	24"x30"	XI		10-0		4" Dia. POLE		12-4		5-0	3-0	5.0 (XI)			14						1					SPEED LIMIT 45 — End Rural Start Urban

SIGNING LOCATIONS ARE APPROXIMATE.

FIELD PROJECT MANAGER TO FIELD ADJUST AS NECESSARY

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

★ = TELESCOPED SQUARE TUBES (2¼" & 2½") WITH SLIP BASE BREAKAWAY REQUIRED. MOUNTED IN HEAVY DUTY STUB.

BBR = BACKBRACING REQUIRED:
- FOR WOOD POST 2" x 4" REQ'D.
- FOR STRUCTURAL STEEL 2" x 2" x ¼" ANGLE IRON REQ'D.

3	MONTANA Department of Transportation	C:\DGN\10236000sisum001.dgn	DESIGNER:	Roger Schroeder	07/2023	SIGNING PLANS	CORVALLIS - North / STPS 269-1(55)5
2		3/11/2024	REVIEWER:	Hans Hoelstad	08/2023	SIGNING	UPN #10236000 / S2
1		2:57:39 PM CPS - U4044	CHECKER:	Nathan Styren	10/2023	RAVALLI COUNTY	

AWARD COPY

SIGN LOCATION AND SPECIFICATIONS

STATION	RAMP NO.	SIGN NO.	PANEL SIZE	REFL SHTG TYPE: BACKGROUND	REFL SHTG TYPE: LEGEND	FEET: CLEARANCE	FEET: SIGN SUPPORT SPACING	FEET: TYPE OF SUPPORT	FEET: CANTILEVER	FEET: SUPPORT LENGTH (ESTIMATED)	FEET: SUPPORT LENGTH (INSTALLED)	FEET: MOUNTING HEIGHT	FEET: FOUNDATION DEPTH	SIGN PANEL (SQ. FT.): SHEET ALUMINUM	SIGN PANEL (SQ. FT.): ALUMINUM SHEET INCREMENT	SIGN PANEL (SQ. FT.): ALUMINUM SHEET OVERLAY	TIMBER POLE (LINEAR FT.): 4" TOP DIA.	TIMBER POLE (LINEAR FT.): 5" TOP DIA.	STEEL POST(LBS.): ROUND TUBULAR	STEEL POST(LBS.): SQUARE TUBULAR	STEEL POST(LBS.): STRUCTURAL STEEL	STEEL POST(LBS.): "U" POST	BREAKAWAY	SIGNS/GUIDE REMOVE	SIGNS/GUIDE RESET	REMOVE	RESET	REMARKS
5.387 Lt.		D3 (2)	42"x10"	XI	XI	6-0		2-¼"x2-½" Sq. Tube	14-2			7-0	3-0	2.9 (XI) 2.9 (XI)						95.1			★	1					MARKET ST S
		D3 (2)	42"x10"	XI	XI									2.9 (XI) 2.9 (XI)															EASTSIDE HWY
		R1-1	30"x30"	XI	XI									5.2 (XI)															
5.557 Lt.		W14-3	48"x48"x36"	XI		10-0		4" Dia. POLE	14-4			7-0	3-0	5.5 (XI)			16							1				BBR	
5.571 Lt.		R2-1 (45)	24"x30"	XI	XI	10-0		2" Dia. Sq. Tube	14-6			7-0	3-0	5.0 (XI)						53.7			▲	1					
5.572 Rt.		R2-1 (25)	24"x30"	XI	XI	10-0		2" Dia. Sq. Tube	14-6			7-0	3-0	5.0 (XI)						53.7			▲	1					
5.588 Rt.		D3 (2)	36"x10"	XI	XI	6-0		2-¼"x2-½" Sq. Tube	14-2			7-0	3-0	2.5 (XI) 2.5 (XI)						95.1			★	1					BROOKS AVE
		D3 (2)	42"x10"	XI	XI									2.9 (XI) 2.9 (XI)															EASTSIDE HWY
		R1-1	30"x30"	XI	XI									5.2 (XI)															
5.608 Rt.		N6-1a	6'-0"x1'-6"	XI	XI			R.S.F.O.							9.0 (XI)										1			R.S.F.O.	CORVALLIS
5.637 Rt.		W3-1	36"x36"	XI		10-0		2-½" Sq. Tube	14-8			7-0	3-0	9.0 (XI)						54.2			▲	1					
5.638 Lt.		M3-3	24"x12"	XI		10-0		2-½" Sq. Tube	14-11			7-0	3-0	2.0 (XI)						54.4			▲	1					
		M1-12	24"x24"	XI										4.0 (XI)															
5.643 Rt.		M1-12	24"x24"	XI		10-0		S3x5.7	12-1			7-0	3-6	4.0 (XI)							57.5		■						NEW
		M6-3	21"x15"	XI										2.2 (XI)															
		M1-12	24"x24"	XI										4.0 (XI)															
		M6-4	21"x15"	XI										2.2 (XI)															
5.658 Rt.		R1-1	30"x30"	XI	XI	6-0		2" Dia. Sq. Tube	10-8			7-0	3-0	5.2 (XI)						44.5			▲	1					
		R1-3	12"x6"	XI	XI									0.5 (XI)															
5.658 Lt.		D3 (2)	36"x18"	XI	XI	6-0		2-¼"x2-½" Sq. Tube	16-4			7-0	3-0	4.5 (XI) 4.5 (XI)						119.9			★	1					WOODSIDE CUTOFF RD
		D3 (2)	42"x10"	XI	XI									2.9 (XI) 2.9 (XI)															EASTSIDE HWY
		R1-1	30"x30"	XI	XI									5.2 (XI)															
		R1-3	12"x6"	XI	XI									0.5 (XI)															
5.673 Rt.		D3 (2)	42"x10"	XI	XI	6-0		2-¼"x2-½" Sq. Tube	14-2			7-0	3-0	2.9 (XI) 2.9 (XI)						95.1			★	1					WILLOW CRK RD
		D3 (2)	42"x10"	XI	XI									2.9 (XI) 2.9 (XI)															EASTSIDE HWY
		R1-1	30"x30"	XI	XI									5.2 (XI)															
		R1-3	12"x6"	XI	XI									0.5 (XI)															
5.674 Lt.		R1-1	30"x30"	XI	XI	6-0		2" Dia. Sq. Tube	10-8			7-0	3-0	5.2 (XI)						44.5			▲	1					
		R1-3	12"x6"	XI	XI									0.5 (XI)															

▲ = SINGLE SQUARE TUBE REQUIRED. MOUNTED IN HEAVY DUTY STUB.

★ = TELESCOPED SQUARE TUBES (2¼" & 2½") WITH SLIP BASE BREAKAWAY REQUIRED. MOUNTED IN HEAVY DUTY STUB.

■ = FRANGIBLE SIGN POST BREAKAWAY DEVICE REQUIRED.

RSFO = REPLACE SIGN FACE ONLY

BBR = BACKBRACING REQUIRED:
- FOR WOOD POST 2" x 4" REQ'D.
- FOR STRUCTURAL STEEL 2" x 2" x ¼" ANGLE IRON REQ'D.

SQUARE TUBE SUPPORT		
TUBE SIZE	WEIGHT	WALL THICKNESS
2"	2.42 lbs/ft	0.105" (12 GAUGE)
2¼"	2.77 lbs/ft	0.105" (12 GAUGE)
2½"	3.14 lbs/ft	0.105" (12 GAUGE)

SQUARE TUBE ANCHOR		
TUBE SIZE	WEIGHT	WALL THICKNESS
2½"	18.36 lbs ea.	0.135"
3"	22.98 lbs ea.	0.188"

For estimating purposes only.

ROUND PIPE SUPPORT	
TUBE SIZE	WEIGHT
2 ½"	5.79 lbs/ft
3"	7.58 lbs/ft
3½"	9.11 lbs/ft
4"	10.79 lbs/ft
5"	14.62 lbs/ft

For estimating purposes only.

AWARD COPY

SIGN LOCATION AND SPECIFICATIONS

STATION	RAMP NO.	SIGN NO.	PANEL SIZE	REFL SHTG TYPE: BACK-GROUND	REFL SHTG TYPE: LEGEND	FEET: CLEARANCE	FEET: SIGN SUPPORT SPACING	TYPE OF SUPPORT	FEET: CANTILEVER	FEET: SUPPORT LENGTH (ESTIMATED)	FEET: SUPPORT LENGTH (INSTALLED)	FEET: MOUNTING HEIGHT	FEET: FOUNDATION DEPTH	SIGN PANEL (SQ. FT.): SHEET ALUMINUM	SIGN PANEL (SQ. FT.): ALUMINUM SHEET INCREMENT	SIGN PANEL (SQ. FT.): ALUMINUM SHEET OVERLAY	TIMBER POLE (LINEAR FT.): 4" TOP DIA.	TIMBER POLE (LINEAR FT.): 5" TOP DIA.	STEEL POST(LBS.): ROUND TUBULAR	STEEL POST(LBS.): SQUARE TUBULAR	STEEL POST(LBS.): STRUCTURAL STEEL	STEEL POST(LBS.): "U" POST	BREAKAWAY	SIGNS/GUIDE: REMOVE	SIGNS/GUIDE: RESET	SIGNS/GUIDE: REMOVE	SIGNS/GUIDE: RESET	REMARKS
5.675 Rt.		S1-1	36"x36"	XI				R.S.F.O.						6.8 (XI)										1					R.S.F.O.
		S1-1Sc	36"x12"	XI				R.S.F.O.						3.0 (XI)															R.S.F.O. On Metal Post
5.683 Rt.		R2-1 (25)	24"x30"	XI		10-0		2" Dia. Sq. Tube		14-6		7-0	3-0	5.0 (XI)						53.7			▲	1					
5.684 Lt.		M1-12	24"x24"	XI		10-0		S3x5.7		12-1		7-0	3-6	4.0 (XI)							57.5		■	1					
		M6-3	21"x15"	XI										2.2 (XI)															
		M1-12	24"x24"	XI										4.0 (XI)															
		M6-4	21"x15"	XI										2.2 (XI)															
5.708 Rt.		R2-1	30"x30"	XI	XI	15-0±		2" Dia. Sq. Tube		8-8		7-0	3-0	5.2 (XI)						75.6			▲	1					
5.709 Lt.		W3-1	30"x30"	XI		10-0		2-½" Sq. Tube		14-8		7-0	3-0	6.3 (XI)						54.2			▲	1					
5.672 Rt.		M3-1	24"x12"	XI		10-0		2-½" Sq. Tube		14-11		7-0	3-0	2.0 (XI)						54.4			▲	1					
		M1-12	24"x24"	XI										4.0 (XI)															
5.713 Rt.		S1-1	36"x36"	XI				R.S.F.O.						6.8 (XI)										1					R.S.F.O.
		W16-7pL	30"x18"	XI				R.S.F.O.						3.8 (XI)															R.S.F.O. On Metal Post
5.732 Lt.		S1-1	36"x36"	XI				R.S.F.O.						6.8 (XI)										1					R.S.F.O.
		W16-7pL	30"x18"	XI				R.S.F.O.						3.8 (XI)															R.S.F.O. On Metal Post
5.754 Lt.		M2-1	21"x15"	XI		10-0		2-½" Sq. Tube		15-2		7-0	3-0	2.2 (XI)						70.7			▲	1					
		M1-12	24"x24"	XI										4.0 (XI)															
5.762 Rt.		R7-1aR	12"x18"	XI	XI	10-0		2" Dia. Sq. Tube		10-0		7-0	3-0	1.5 (XI)						42.6			▲	1					
5.757 Lt.		D3 (2)	36"x10"	XI	XI	6-0		2-¼"x2-½" Sq. Tube		12-2		7-0	3-0	2.5 (XI) 2.5 (XI)						95.1			★	1					SECOND ST
		D3 (2)	42"x10"	XI	XI									2.9 (XI) 2.9 (XI)															EASTSIDE HWY
		R1-1	30"x30"	XI	XI									5.2 (XI)															
5.777 Rt.		D3 (2)	42"x10"	XI	XI	6-0		2-¼"x2-½" Sq. Tube		12-2		7-0	3-0	2.9 (XI) 2.9 (XI)						95.1			★	1					E SECOND ST
		D3 (2)	42"x10"	XI	XI									2.9 (XI) 2.9 (XI)															EASTSIDE HWY
		R1-1	30"x30"	XI	XI									5.2 (XI)															
5.798 Rt.		R2-1 (25)	24"x30"	XI		10-0						7-0		5.0 (XI)										1					R.S.F.O. "YOUR SPEED" Electrical Warning
5.857 Lt.		D3 (2)	30"x10"	XI	XI	6-0		2-¼"x2-½" Sq. Tube		12-2		7-0	3-0	2.1 (XI) 2.1 (XI)						95.1			★	1					FIRST ST
		D3 (2)	42"x10"	XI	XI									2.9 (XI) 2.9 (XI)															EASTSIDE HWY
		R1-1	30"x30"	XI	XI									5.2 (XI)															
5.868 Rt.		D3 (2)	36"x10"	XI	XI	6-0		2-¼"x2-½" Sq. Tube		12-2		7-0	3-0	2.5 (XI) 2.5 (XI)						95.1			★	1					E FIRST ST
		D3 (2)	42"x10"	XI	XI									2.9 (XI) 2.9 (XI)															EASTSIDE HWY
		R1-1	30"x30"	XI	XI									5.2 (XI)															
5.870 Rt.		S1-1	36"x36"	XI		10-0		2-¼"x2-½" Sq. Tube				7-0	3-0	6.8 (XI)						82.1			★	1					Replace Pole w/Sq. Tube
		W16-7pL	24"x12"	XI										2.0 (XI)															

★ = TELESCOPED SQUARE TUBES (2¼" & 2½") WITH SLIP BASE BREAKAWAY REQUIRED. MOUNTED IN HEAVY DUTY STUB.

RSFO = REPLACE SIGN FACE ONLY

3	MONTANA Department of Transportation	C:\DGN\10236000sisum002.dgn	DESIGNER: Roger Schroeder	07/2023	SIGNING PLANS	CORVALLIS - North / STPS 269-1(55)5
2		3/11/2024	REVIEWER: Hans Hoelstad	08/2023		
1		2:57:58 PM CPS - U4044	CHECKER: Nathan Styren	10/2023	RAVALLI COUNTY	SIGNING / UPN #10236000 / S4

AWARD COPY

SIGN LOCATION AND SPECIFICATIONS

STATION	RAMP NO.	SIGN NO.	PANEL SIZE	REFL SHTG TYPE: BACK-GROUND	REFL SHTG TYPE: LEGEND	FEET: CLEARANCE	FEET: SIGN SUPPORT SPACING	TYPE OF SUPPORT	FEET: CANTILEVER	FEET: SUPPORT LENGTH (ESTIMATED)	FEET: SUPPORT LENGTH (INSTALLED)	FEET: MOUNTING HEIGHT	FEET: FOUNDATION DEPTH	SIGN PANEL (SQ. FT.): SHEET ALUMINUM	SIGN PANEL (SQ. FT.): ALUMINUM SHEET INCREMENT	SIGN PANEL (SQ. FT.): ALUMINUM SHEET OVERLAY	TIMBER POLE (LINEAR FT.): 4" TOP DIA.	TIMBER POLE (LINEAR FT.): 5" TOP DIA.	STEEL POST(LBS.): ROUND TUBULAR	STEEL POST(LBS.): SQUARE TUBULAR	STEEL POST(LBS.): STRUCTURAL STEEL	STEEL POST(LBS.): "U" POST	BREAKAWAY	SIGNS/GUIDE: REMOVE	SIGNS/GUIDE: RESET	SIGNS/GUIDE: REMOVE	SIGNS/GUIDE: RESET	REMARKS
5.873 Lt.		S1-1	36"x36"	XI		10-0		2-¼"x2-½" Sq. Tube				7-0	3-0	6.8 (XI)						82.1			★	1					Replace Pipe w/Sq. Tube
		W16-7pL	30"x18"	XI		▮		▮		▮		▮	▮	3.8 (XI)															
5.922 Lt.		R-99a	By Others																									By Others	EXIT ONLY
5.952 Lt.		R-99b	By Others																									By Others	ENTER ONLY
5.960 Rt.		S1-1	36"x36"	XI				R.S.F.O.						6.8 (XI)										1					R.S.F.O.
		W16-7pL	30"x18"	XI				R.S.F.O.						3.8 (XI)															R.S.F.O. On Metal Post
5.969 Lt.		S1-1	36"x36"	XI				R.S.F.O.						6.8 (XI)										1					R.S.F.O.
		W16-7pL	30"x18"	XI				R.S.F.O.						3.8 (XI)															R.S.F.O. On Metal Post
5.989 Rt.		G11-5	11'-0"x2'-0"	XI	XI			R.S.F.O.							22.0 (XI)											1			R.S.F.O.	STEVENSVILLE 13
6.000 Rt.		N7-1	36"x48"	XI	XI	10-0		3-½" Rnd. PIPE		13-0		7-0	3-0	12.0 (XI)						98.5			▮	1					Adopt A Highway Litter Control Next 2 Miles
		N7-1p	36"x12"	XI	XI	▮		▮		▮		▮	▮	3.0 (XI)															RAINBOW GIRLS HAMILTON #2
		D10-1 M.P. 6	10"x18"	XI	XI									1.3 (XI)															RAINBOW GIRLS HAMILTON #2
6.025 Rt.		R2-1 (35)	24"x30"	XI		10-0		2" Dia. Sq. Tube		10-10		7-0	3-0	5.0 (XI)						42.8			▲	1					SPEED LIMIT 35
6.025 Lt.		R2-1 (25)	24"x30"	XI		10-0		2" Dia. Sq. Tube		10-10		7-0	3-0	5.0 (XI)						42.8			▲	1					SPEED LIMIT 25 "YOUR SPEED" Electrical Warning
6.034 Rt.		W14-3	48"x48"x36"	XI		10-0		4" Dia. POLE		12-4		5-0	3-0	5.5 (XI)			14							1				BBR	NO PASSING ZONE
6.035 Lt.		S1-1	36"x36"	XI				R.S.F.O.						6.8 (XI)										1					R.S.F.O.
		S1-1Sc	36"x12"	XI				R.S.F.O.						3.0 (XI)															R.S.F.O. On Metal Post
6.090 Lt.		N7-1	36"x48"	XI	XI	10-0		3-½" Rnd. PIPE		13-0		7-0	3-0	12.0 (XI)						98.5			▮	1					Adopt A Highway Litter Control Next 2 Miles
		N7-1p	36"x12"	XI	XI	▮		▮		▮		▮	▮	3.0 (XI)															RAINBOW GIRLS HAMILTON #2
		D10-2 M.P. 6	10"x18"	XI	XI									1.3 (XI)															RAINBOW GIRLS HAMILTON #2
6.014 Lt.		N6-1a	6'-0"x1'-6"					R.S.F.O.							9.0 (XI)											1			R.S.F.O.	CORVALLIS
6.060 Lt.		R2-1 (40)	24"x30"	XI		10-0		2" Dia. Sq. Tube		10-10		7-0	3-0	5.0 (XI)						42.8			▲	1					SPEED LIMIT 40
6.064 Rt.		R2-1 (50)	24"x30"	XI		10-0		2" Dia. Sq. Tube		10-10		7-0	3-0	5.0 (XI)						42.8			▲	1					SPEED LIMIT 50
6.079 Rt.		D3 (2)	42"x10"	XI	XI	6-0		2-¼"x2-½" Sq. Tube		12-2		7-0	3-0	2.9 (XI) 2.9 (XI)						95.1			★	1					BROTHERS WAY
		D3 (2)	42"x10"	XI	XI	▮		▮		▮		▮	▮	2.9 (XI) 2.9 (XI)															EASTSIDE HWY
		R1-1	30"x30"	XI	XI									5.2 (XI)															STOP
6.194 Rt.		R2-1 (65)	24"x30"	XI		10-0		2" Dia. Sq. Tube		10-10		7-0	3-0	5.0 (XI)						42.8			▲	1					SPEED LIMIT 65
6.194 Lt.		R2-1 (50)	24"x30"	XI		10-0		2" Dia. Sq. Tube		10-10		7-0	3-0	5.0 (XI)						42.8			▲	1					SPEED LIMIT 50
6.235 Rt.		R2-6a	REMOVE																					1					TRUCK SPEED LIMIT 60
		R2-3a	REMOVE																										NIGHT 55

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

★ = TELESCOPED SQUARE TUBES (2¼" & 2½") WITH SLIP BASE BREAKAWAY REQUIRED. MOUNTED IN HEAVY DUTY STUB.

▮ = FRANGIBLE SIGN POST BREAKAWAY DEVICE REQUIRED.

RSFO = REPLACE SIGN FACE ONLY

BBR = BACKBRACING REQUIRED:
- FOR WOOD POST 2" x 4" REQ'D.
- FOR STRUCTURAL STEEL 2" x 2" x ¼" ANGLE IRON REQ'D.

AWARD COPY

SIGN LOCATION AND SPECIFICATIONS

STATION	RAMP NO.	SIGN NO.	PANEL SIZE	REFL SHTG TYPE: BACK-GROUND	REFL SHTG TYPE: LEGEND	FEET: CLEARANCE	FEET: SIGN SUPPORT SPACING	TYPE OF SUPPORT	FEET: CANTILEVER	FEET: SUPPORT LENGTH (ESTIMATED)	FEET: SUPPORT LENGTH (INSTALLED)	FEET: MOUNTING HEIGHT	FEET: FOUNDATION DEPTH	SIGN PANEL (SQ. FT.): SHEET ALUMINUM	SIGN PANEL (SQ. FT.): ALUMINUM SHEET INCREMENT	SIGN PANEL (SQ. FT.): ALUMINUM SHEET OVERLAY	TIMBER POLE (LINEAR FT.): 4" TOP DIA.	TIMBER POLE (LINEAR FT.): 5" TOP DIA.	STEEL POST(LBS.): ROUND TUBULAR	STEEL POST(LBS.): SQUARE TUBULAR	STEEL POST(LBS.): STRUCTURAL STEEL	STEEL POST(LBS.): "U" POST	BREAKAWAY	SIGNS/GUIDE: REMOVE	SIGNS/GUIDE: RESET	SIGNS/GUIDE: REMOVE	SIGNS/GUIDE: RESET	REMARKS
6.346 Rt.		D3 (2)	30"x10"	XI	XI	6-0		5" Dia. POLE		14-2		5-0	3-6	2.1 (XI) 2.1 (XI)				16					X	1					COCHELL WAY
		D3 (2)	42"x10"	XI	XI									2.9 (XI) 2.9 (XI)															EASTSIDE HWY
		R1-1	30"x30"	XI	XI									5.2 (XI)															STOP
6.388 Lt.		W3-5 (50)	36"x36"	XI		10-0		4" Dia. POLE		13-6		5-0	3-0	9.0 (XI)			14							1					
6.438 Rt.		W2-1	30"x30"	XI		10-0		5" Dia. POLE		13-5		5-0	3-0	6.3 (XI)				14					X	1					
		W16-8	24"x8"	XI										1.3 (XI)															QUAST LN
6.494 Lt.		W14-3	48"x48"x36"	XI		10-0		4" Dia. POLE		12-4		5-0	3-0	5.5 (XI)			14							1				BBR	
6.583 Lt.		D3 (2)	30"x10"	XI	XI	6-0		5" Dia. POLE		14-2		5-0	3-6	2.1 (XI) 2.1 (XI)				16					X	1					QUAST LN
		D3 (2)	42"x10"	XI	XI									2.9 (XI) 2.9 (XI)															EASTSIDE HWY
		R1-1	30"x30"	XI	XI									5.2 (XI)															STOP
6.590 Rt.		D3 (2)	30"x10"	XI	XI	6-0		5" Dia. POLE		14-2		5-0	3-6	2.1 (XI) 2.1 (XI)				16					X	1					QUAST LN
		D3 (2)	42"x10"	XI	XI									2.9 (XI) 2.9 (XI)															EASTSIDE HWY
		R1-1	30"x30"	XI	XI									5.2 (XI)															STOP
6.665 Rt.		W14-3	48"x48"x36"	XI		10-0		4" Dia. POLE		12-4		5-0	3-0	5.5 (XI)			14							1				BBR	
6.716 Lt.		W2-1	30"x30"	XI		10-0		5" Dia. POLE		13-5		5-0	3-0	6.3 (XI)				14					X	1					
		W16-8	24"x8"	XI										1.3 (XI)															QUAST LN
7.000 Rt.		D10-1 (2) M.P. 7	10"x18"	XI	XI	4-0		2 Lb. STL-U		9-2		4-0	3-0	1.3 (XI) 1.3 (XI)								19		1					
7.815 Rt.		W2-1	30"x30"	XI		10-0		5" Dia. POLE		13-5		5-0	3-0	6.3 (XI)				14					X	1					
		W16-8	24"x8"	XI										1.3 (XI)															POPHAM LN
7.830 Lt.		W14-3	48"x48"x36"	XI		10-0		4" Dia. POLE		12-4		5-0	3-0	5.5 (XI)			14							1				BBR	
7.912 Lt.		D3 (2)	36"x10"	XI	XI	6-0		5" Dia. POLE		14-2		5-0	3-6	2.5 (XI) 2.5 (XI)				16					X	1					POPHAM LN
		D3 (2)	42"x10"	XI	XI									2.9 (XI) 2.9 (XI)															EASTSIDE HWY
		R1-1	30"x30"	XI	XI									5.2 (XI)															STOP
7.925 Rt.		D3 (2)	36"x10"	XI	XI	6-0		5" Dia. POLE		14-2		5-0	3-6	2.5 (XI) 2.5 (XI)				16					X	1					POPHAM LN
		D3 (2)	42"x10"	XI	XI									2.9 (XI) 2.9 (XI)															EASTSIDE HWY
		R1-1	30"x30"	XI	XI									5.2 (XI)															STOP
8.000 Rt.		D10-1 (2) M.P. 8	10"x18"	XI	XI	4-0		2 Lb. STL-U		9-2		4-0	3-0	1.3 (XI) 1.3 (XI)								19		1					
8.008 Rt.		N7-1	36"x48"	XI	XI	10-0		5" Dia. POLE		16-5		7-0	3-6	12.0 (XI)				18					X	1					

End Urban
Start Rural

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

▲ = SINGLE SQUARE TUBE REQUIRED. MOUNTED IN HEAVY DUTY STUB.

BBR = BACKBRACING REQUIRED:
- FOR WOOD POST 2" x 4" REQ'D.
- FOR STRUCTURAL STEEL 2" x 2" x 1/4" ANGLE IRON REQ'D.

3	MONTANA Department of Transportation	C:\DGN\10236000sisum002.dgn	DESIGNER:	Roger Schroeder	07/2023	SIGNING PLANS	SIGNING	CORVALLIS - North		STPS 269-1(55)5	
2		3/11/2024	REVIEWER:	Hans Hoelstad	08/2023				UPN #10236000		
1		2:58:06 PM CPS - U4044	CHECKER:	Nathan Styren	10/2023	RAVALLI COUNTY				S6	

AWARD COPY

SIGN LOCATION AND SPECIFICATIONS

STATION	RAMP NO.	SIGN NO.	PANEL SIZE	REFL SHTG TYPE: BACK-GROUND	REFL SHTG TYPE: LEGEND	FEET: CLEARANCE	FEET: SIGN SUPPORT SPACING	TYPE OF SUPPORT	FEET: CANTILEVER	FEET: SUPPORT LENGTH (ESTIMATED)	FEET: SUPPORT LENGTH (INSTALLED)	FEET: MOUNTING HEIGHT	FEET: FOUNDATION DEPTH	SIGN PANEL (SQ. FT.): SHEET ALUMINUM	SIGN PANEL (SQ. FT.): ALUMINUM SHEET INCREMENT	SIGN PANEL (SQ. FT.): ALUMINUM SHEET OVERLAY	TIMBER POLE (LINEAR FT.): 4" TOP DIA.	TIMBER POLE (LINEAR FT.): 5" TOP DIA.	STEEL POST(LBS.): ROUND TUBULAR	STEEL POST(LBS.): SQUARE TUBULAR	STEEL POST(LBS.): STRUCTURAL STEEL	STEEL POST(LBS.): "U" POST	BREAKAWAY	SIGNS/GUIDE: REMOVE	SIGNS/GUIDE: RESET	SIGNS/GUIDE: REMOVE	SIGNS/GUIDE: RESET	REMARKS
8.008 Lt.		N7-1	36"x48"	XI	XI	10-0		5" Dia. POLE		14-7		5-0	3-0	12.0 (XI)				16					X	1					
		N7-1p	36"x12"	XI	XI									3.0 (XI)															RAINBOW GIRLS HAMILTON #2
8.012 Rt.		W14-3	48"x48"x36"	XI		10-0		4" Dia. POLE		12-4		5-0	3-0	5.5 (XI)			14							1				BBR	
8.050 Lt.		W2-1	30"x30"	XI		10-0		5" Dia. POLE		13-5		5-0	3-0	6.3 (XI)				14					X	1					
		W16-8	24"x8"	XI										1.3 (XI)															POPHAM LN
8.430 Lt.		W14-3	48"x48"x36"	XI		10-0		4" Dia. POLE		12-4		5-0	3-0	5.5 (XI)			14							1				BBR	
8.460 Rt.		W1-2R	30"x30"	XI		10-0		4" Dia. POLE		13-4		5-0	3-0	6.3 (XI)			14							1					
8.470 Lt.		D3 (2)	36"x10"	XI	XI	6-0		5" Dia. POLE		14-2		5-0	3-6	2.5 (XI) 2.5 (XI)				16					X	1					CHAFFIN LN
		D3 (2)	42"x10"	XI	XI									2.9 (XI) 2.9 (XI)															EASTSIDE HWY
		R1-1	30"x30"	XI	XI									5.2 (XI)															
8.590 Lt.		By Others White Cross																											By Others
8.725 Rt.		W14-3	48"x48"x36"	XI		10-0		4" Dia. POLE		12-4		5-0	3-0	5.5 (XI)			14							1				BBR	
8.825 Lt.		W1-2L	30"x30"	XI		10-0		4" Dia. POLE		13-4		5-0	3-0	6.3 (XI)			14							1					
8.875 Rt.		W1-2L	30"x30"	XI		10-0		5" Dia. POLE		14-5		5-7	3-6	6.3 (XI)				16					X	1					
		W13-1	24"x24"	XI										4.0 (XI)															
8.991 Rt.		D3 (2)	42"x10"	XI	XI	6-0		2-¼"x2-½" Sq. Tube		12-2		5-0	3-0	2.9 (XI) 2.9 (XI)						95.1			★	1					RUSTY SPUR WAY
		D3 (2)	42"x10"	XI	XI									2.9 (XI) 2.9 (XI)															EASTSIDE HWY
		R1-1	30"x30"	XI	XI									5.2 (XI)															
9.000 Rt.		D10-1 (2) R.P. 9	10"x18"	XI	XI	4-0		2 Lb. STL-U		9-2		4-0	3-0	1.3 (XI) 1.3 (XI)								19		1					
9.240 Rt.		W11-3	30"x30"	XI		10-0		4" Dia. POLE		13-4		5-0	3-0	6.3 (XI)			14							1					
9.270 Lt.		W1-2R	30"x30"	XI		10-0		5" Dia. POLE		14-5		5-7	3-6	6.3 (XI)				16					X	1					
		W13-1	24"x24"	XI										4.0 (XI)															
9.310 Rt.		D3 (2)	36"x10"	XI	XI	6-0		5" Dia. POLE		14-2		5-0	3-6	2.5 (XI) 2.5 (XI)				16					X	1					HUMBLE LN
		D3 (2)	42"x10"	XI	XI									2.9 (XI) 2.9 (XI)															EASTSIDE HWY
		R1-1	30"x30"	XI	XI									5.2 (XI)															
9.901 Rt.		W2-1	30"x30"	XI		10-0		5" Dia. POLE		13-5		5-0	3-0	6.3 (XI)				14					X	1					
		W16-8	24"x8"	XI										1.3 (XI)															BAILEY LN
9.911 Lt.		N7-1	36"x48"	XI	XI	10-0		5" Dia. POLE		14-5		5-0	3-6	12.0 (XI)				16					X	1					
10.000 Rt.		D10-1 (2)	10"x27"	XI	XI	4-0		2 Lb. STL-U		9-11		4-0	3-0	1.9 (XI) 1.9 (XI)								20		1					
10.006 Lt.		W14-3	48"x48"x36"	XI		10-0		4" Dia. POLE		12-4		5-0	3-0	5.5 (XI)			14							1				BBR	

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

★ = TELESCOPED SQUARE TUBES (2¼" & 2½") WITH SLIP BASE BREAKAWAY REQUIRED. MOUNTED IN HEAVY DUTY STUB.

BBR = BACKBRACING REQUIRED:
- FOR WOOD POST 2" x 4" REQ'D.
- FOR STRUCTURAL STEEL 2" x 2" x ¼" ANGLE IRON REQ'D.

3	MONTANA Department of Transportation	C:\DGN\10236000sisum003.dgn	DESIGNER: Roger Schroeder	07/2023	SIGNING PLANS	CORVALLIS - North	STPS 269-1(55)5
2		3/11/2024	REVIEWER: Hans Hoelstad	08/2023	RAVALLI COUNTY	SIGNING	UPN #10236000 S7
1		2:58:23 PM CPS - U4044	CHECKER: Nathan Styren	10/2023			

AWARD COPY

SIGN LOCATION AND SPECIFICATIONS

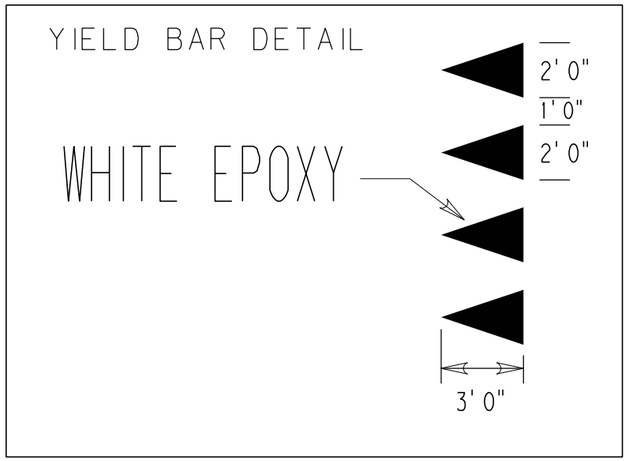
STATION	RAMP NO.	SIGN NO.	PANEL SIZE	REFL SHTG TYPE: BACK-GROUND	REFL SHTG TYPE: LEGEND	FEET: CLEARANCE	FEET: SIGN SUPPORT SPACING	TYPE OF SUPPORT	FEET: CANTILEVER	FEET: SUPPORT LENGTH (ESTIMATED)	FEET: SUPPORT LENGTH (INSTALLED)	FEET: MOUNTING HEIGHT	FEET: FOUNDATION DEPTH	SIGN PANEL (SQ. FT.): SHEET ALUMINUM	SIGN PANEL (SQ. FT.): ALUMINUM SHEET INCREMENT	SIGN PANEL (SQ. FT.): ALUMINUM SHEET OVERLAY	TIMBER POLE (LINEAR FT.): 4" TOP DIA.	TIMBER POLE (LINEAR FT.): 5" TOP DIA.	STEEL POST(LBS.): ROUND TUBULAR	STEEL POST(LBS.): SQUARE TUBULAR	STEEL POST(LBS.): STRUCTURAL STEEL	STEEL POST(LBS.): "U" POST	BREAKAWAY	SIGNS/GUIDE REMOVE	SIGNS/GUIDE RESET	SIGNS/GUIDE REMOVE	SIGNS/GUIDE RESET	REMARKS
10.085 Lt.		D3 (2)	42"x10"	XI	XI	6-0		5" Dia. POLE		14-2		5-0	3-6	2.9 (XI) 2.9 (XI)				16					X	1					TUCKER Xing E
		D3 (2)	42"x10"	XI	XI									2.9 (XI) 2.9 (XI)															EASTSIDE HWY
		R1-1	30"x30"	XI	XI									5.2 (XI)															STOP
10.100 Rt.		D3 (2)	36"x10"	XI	XI	6-0		5" Dia. POLE		14-2		5-0	3-6	2.5 (XI) 2.5 (XI)				16					X	1					BAILEY LN
		D3 (2)	42"x10"	XI	XI									2.9 (XI) 2.9 (XI)															EASTSIDE HWY
		R1-1	30"x30"	XI	XI									5.2 (XI)															STOP
10.186 Rt.		W14-3	48"x48"x36"	XI		10-0		4" Dia. POLE		12-4		5-0	3-0	5.5 (XI)			14							1				BBR	NO PASSING ZONE
10.204 Lt.		W2-1	30"x30"	XI		10-0		5" Dia. POLE		13-5		5-0	3-0	6.3 (XI)				14					X	1					
		W16-8	24"x8"	XI										1.3 (XI)															BAILEY LN
11.000 Rt.		D10-1 (2)	10"x27"	XI	XI	4-0		2 Lb. STL-U		10-0		4-0	3-0	1.9 (XI) 1.9 (XI)								20		1					2 1 MILE MILE
11.065 Lt.		W14-3	48"x48"x36"	XI		10-0		4" Dia. POLE		12-4		5-0	3-0	5.5 (XI)			14							1				BBR	NO PASSING ZONE
11.341 Rt.		D3 (2)	30"x10"	XI	XI	6-0		5" Dia. POLE		14-2		5-0	3-6	2.1 (XI) 2.1 (XI)				16					X	1					WOOD LN
		D3 (2)	42"x10"	XI	XI									2.9 (XI) 2.9 (XI)															EASTSIDE HWY
		R1-1	30"x30"	XI	XI									5.2 (XI)															STOP
11.356 Rt.		By Others White Cross																											
11.430 Rt.		W14-3	48"x48"x36"	XI		10-0		4" Dia. POLE		12-4		5-0	3-0	5.5 (XI)			14							1				BBR	NO PASSING ZONE
11.675 Lt.		W14-3	48"x48"x36"	XI		10-0		4" Dia. POLE		12-4		5-0	3-0	5.5 (XI)			14							1				BBR	NO PASSING ZONE NEW
11.711 Rt.		W1-4R	30"x30"	XI		10-0		4" Dia. POLE		13-4		5-0	3-0	6.3 (XI)			14							1					
11.726 Rt.		W14-3	48"x48"x36"	XI		10-0		4" Dia. POLE		12-4		5-0	3-0	5.5 (XI)			14							1				BBR	NO PASSING ZONE NEW
12.000 Rt.		D10-1 (2)	10"x27"	XI	XI	4-0		2 Lb. STL-U		10-0		4-0	3-0	1.9 (XI) 1.9 (XI)								20		1					2 1 MILE MILE
12.056 Lt.		W14-3	48"x48"x36"	XI		10-0		4" Dia. POLE		12-4		5-0	3-0	5.5 (XI)			14							1				BBR	NO PASSING ZONE
12.070 Rt.		W2-2R	30"x30"	XI		10-0		5" Dia. POLE		13-5		5-0	3-0	6.3 (XI)				14					X	1					
		W16-8	24"x8"	XI										1.3 (XI)															N BIRCH CRK RD
12.105 Lt.		W1-4R	30"x30"	XI		10-0		4" Dia. POLE		13-4		5-0	3-0	6.3 (XI)			14							1					
12.141 Rt.		By Others White Cross																											
12.170 Rt.		D3 (2)	42"x10"	XI	XI	6-0		5" Dia. POLE		14-2		5-0	3-6	2.9 (XI) 2.9 (XI)				16					X	1					
		D3 (2)	42"x10"	XI	XI									2.9 (XI) 2.9 (XI)															EASTSIDE HWY
		R1-1	30"x30"	XI	XI									5.2 (XI)															STOP
											TOTALS			965.6 (XI)	40.0 (XI)		354	450		197.0	2,053.0	115.0	136	100		3			

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

BBR = BACKBRACING REQUIRED:
- FOR WOOD POST 2" x 4" REQ'D.
- FOR STRUCTURAL STEEL 2" x 2" x 1/4" ANGLE IRON REQ'D.

3	MONTANA Department of Transportation	C:\DGN\10236000sisum003.dgn	DESIGNER:	Roger Schroeder	07/2023	SIGNING PLANS	CORVALLIS - North	STPS 269-1(55)5
2		3/11/2024	REVIEWER:	Hans Hoelstad	08/2023	RAVALLI COUNTY	SIGNING	UPN #10236000	S8
1		2:58:28 PM CPS - U4044	CHECKER:	Nathan Styren	10/2023				

DETAILS



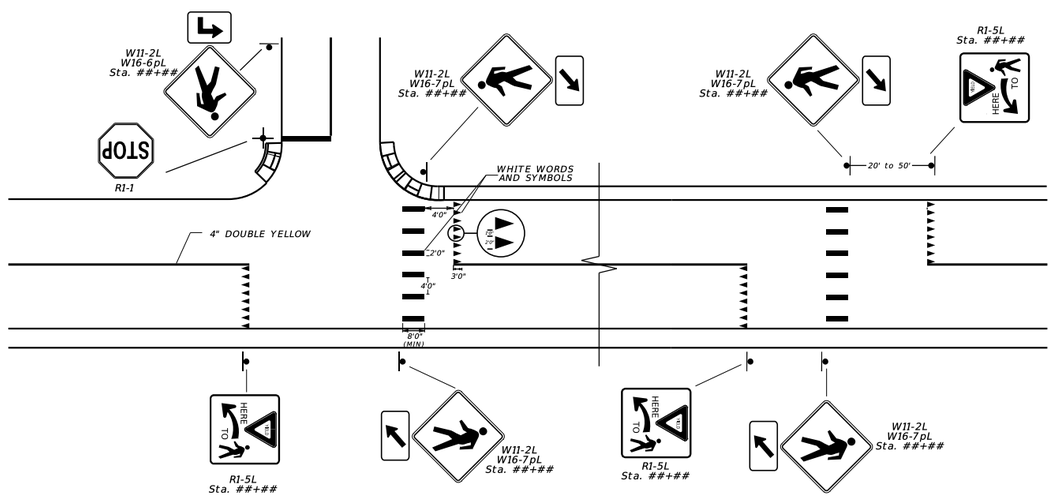
TYPICAL ENHANCED PEDESTRIAN CROSSING - NON SIGNALIZED DETAIL

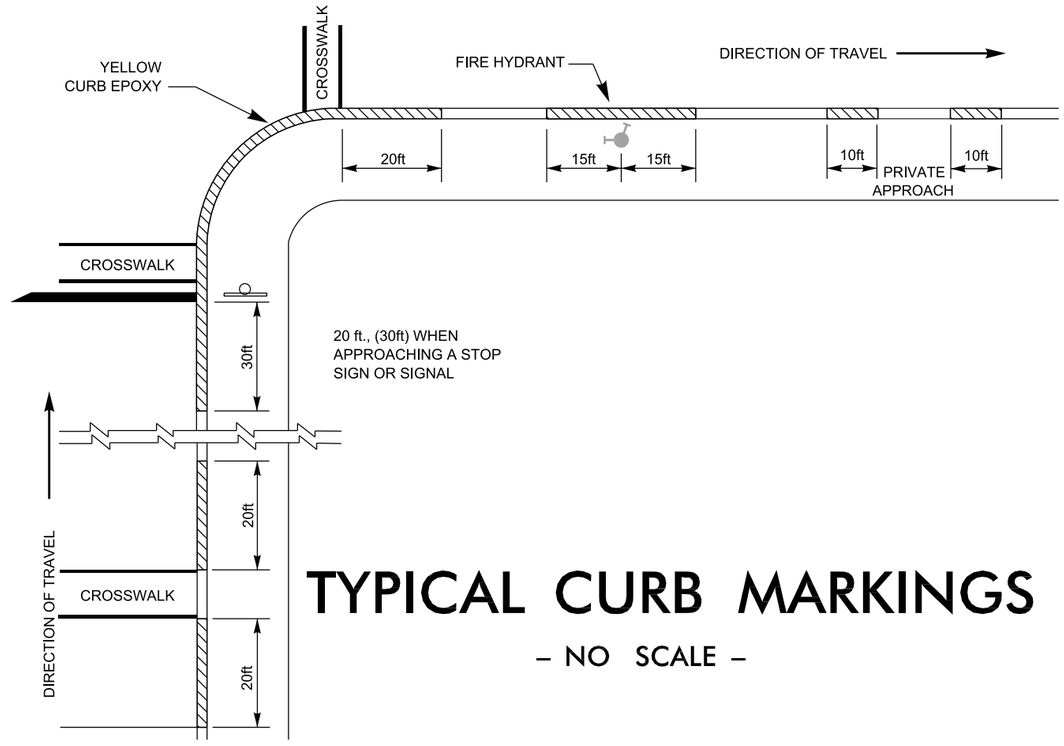
NOT TO SCALE

GENERAL NOTES:

REFER TO PART 3B-15 THROUGH 3B-18 IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES 2009 EDITION FOR ADDITIONAL GUIDANCE

DIMENSIONS ARE TYPICAL





TYPICAL CURB MARKINGS

– NO SCALE –

3	MONTANA Department of Transportation	C:\DGN\10236000sidet001.dgn	DESIGNER: Roger Schroeder	07/2023	SIGNING PLANS	CORVALLIS - North	STPS 269-1(55)5
2		3/11/2024	REVIEWER: Hans Hoelstad	*	DETAILS	UPN #10236000	S9
1		2:58:40 PM CPS - U4044	CHECKER: Nathan Styren	*	RAVALLI COUNTY		

AWARD COPY

REPLACE W2-1 W16-8 R.P. 4.750

CEMETERY RD
HAWKER LN

EASTSIDE HWY
MARSHALL LN

REPLACE D3 (2) NEW D3 (2) R1-1 R.P. 4.779

STOP

MARSHALL Ln.

REMOVE W14-3 R.P. 4.957

NO PASSING ZONE

Eastside Hwy.

REPLACE W14-3 R.P. 4.734

NO PASSING ZONE

*REFERENCE POSTING IS FROM PATHWEB N.B. LANE

Route: C000269 Date:08/01/2018

By Others White Cross R.P. 4.829

REPLACE D10-1 (2) M.P. 5 R.P. 5.000

MILE 5

START PROJECT

Signing, Striping & Delineation

R.P. 4.8 to 12.2

REMOVED R15-1 R.P. 5.035

RAILROAD CROSSING

STOP

EASTSIDE HWY
HAROLD LN

NEW D3 (2) D3 (2) R1-1 R.P. 5.070

REMOVE W10-1 R.P. 5.137

REMOVED R15-1 R.P. 5.036

RAILROAD CROSSING

NO PASSING ZONE

REMOVE W14-3 R.P. 5.136

NEW D3 (2) D3 (2) R1-1 R.P. 5.156

COUNTRY LIVING MPH

EASTSIDE HWY

STOP

NEW D3 (2) D3 (2) R1-1 R.P. 5.183

COUNTRY LIVING MPH

EASTSIDE HWY

STOP

REPLACE W3-5 (45) R.P. 5.251

45 SPEED LIMIT

LADY BUG LN
EASTSIDE HWY

STOP

NEW D3 (2) D3 (2) R1-1 R.P. 5.285

REPLACE R2-1 R.P. 5.381

SPEED LIMIT 60

STOP

EASTSIDE HWY
MARKET ST S

REPLACE D3 (2) D3 (2) R1-1 R.P. 5.387

Market St. S.

REPLACE W14-3 R.P. 5.557

NO PASSING ZONE

SPEED LIMIT 45

REPLACE R2-1 R.P. 5.571

REPLACE R2-1 R.P. 5.382

SPEED LIMIT 45

REPLACE R2-1 R.P. 5.572

SPEED LIMIT 25

BROOKS AVE
EASTSIDE HWY

STOP

REPLACE D3 (2) D3 (2) R1-1 R.P. 5.588

BROOKS AVE.

CORVALLIS

R.S.F.O. N6-1a R.P. 5.608

3	MONTANA Department of Transportation	C:\DGN\10236000sipln001.dgn	DESIGNER:	Roger Schroeder	07/2023	SIGNING PLANS	PLAN SHEETS	CORVALLIS - North / STPS 269-1(55)5
2		3/11/2024	REVIEWER:	Hans Hoelstad	*			UPN #10236000 / S10
1		4:20:45 PM CPS - U4044	CHECKER:	Nathan Styren	*	RAVALLI COUNTY		

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REPLACE
M3-3
M1-12
R.P. 5.638

REPLACE
D3 (2)
D3 (2)
R1-1
R1-3
R.P. 5.658

REPLACE
R1-1
R1-3
R.P. 5.674

REPLACE
M1-12
M6-3
M1-12
M6-4
R.P. 5.684

REPLACE
W3-1
R.P. 5.709

R.S.F.O.
S1-1
W16-7pL
R.P. 5.732
On Metal Post

REPLACE
M2-1
M1-12
R.P. 5.754

REPLACE
D3 (2)
D3 (2)
R1-1
R.P. 5.757

REPLACE
D3 (2)
D3 (2)
R1-1
R.P. 5.857

REPLACE
S1-1
W16-7pL
R.P. 5.873
On Metal Pipe

REPLACE
W3-1
R.P. 5.637

NEW
M1-12
M6-3
M1-12
M6-4
R.P. 5.643

REPLACE
R1-1
R1-3
R.P. 5.658

REPLACE
D3 (2)
D3 (2)
R1-1
R1-3
R.P. 5.673

REPLACE
R2-1 (25)
R.P. 5.683

REPLACE
R2-1
R.P. 5.708

REPLACE
M3-1
M1-12
R.P. 5.672

R.S.F.O.
S1-1
W16-7pL
R.P. 5.713
On Metal Post

REPLACE
R7-1aR
R.P. 5.762

R.S.F.O.
S1-1
S1-1Sc
R.P. 5.675
On Metal Post

REPLACE
D3 (2)
D3 (2)
R1-1
R.P. 5.777

R.S.F.O.
R2-1 (25)
"YOUR SPEED"
R.P. 5.798
On Metal Post

REPLACE
D3 (2)
D3 (2)
R1-1
R.P. 5.868

REPLACE
S1-1
W16-7pL
R.P. 5.870

WOODSIDE CUTOFF RD

WILLOW CR. RD.

2nd St.

E. 2nd St.

1st St.

E. 1st St.

By Others
R-99a
R.P. 5.922

By Others
R-99b
R.P. 5.950

R.S.F.O.
S1-1
W16-7pL
R.P. 5.969

REPLACE
R2-1 (25)
R.P. 6.025

R.S.F.O.
S1-1
S1-1Sc
R.P. 6.035
On Metal Post

REPLACE
N7-1
N7-1p
NEW
D10-1
R.P. 6.090

CORVALLIS

R.S.F.O.
N6-1a
R.P. 6.014

REPLACE
R2-1 (40)
R.P. 6.060

R.S.F.O.
S1-1
W16-7pL
R.P. 5.960

R.S.F.O.
G11-5
R.P. 5.989

STEVENSVILLE 13

REPLACE
N7-1
N7-1p
D10-1
R.P. 6.000

REPLACE
R2-1 (35)
R.P. 6.025

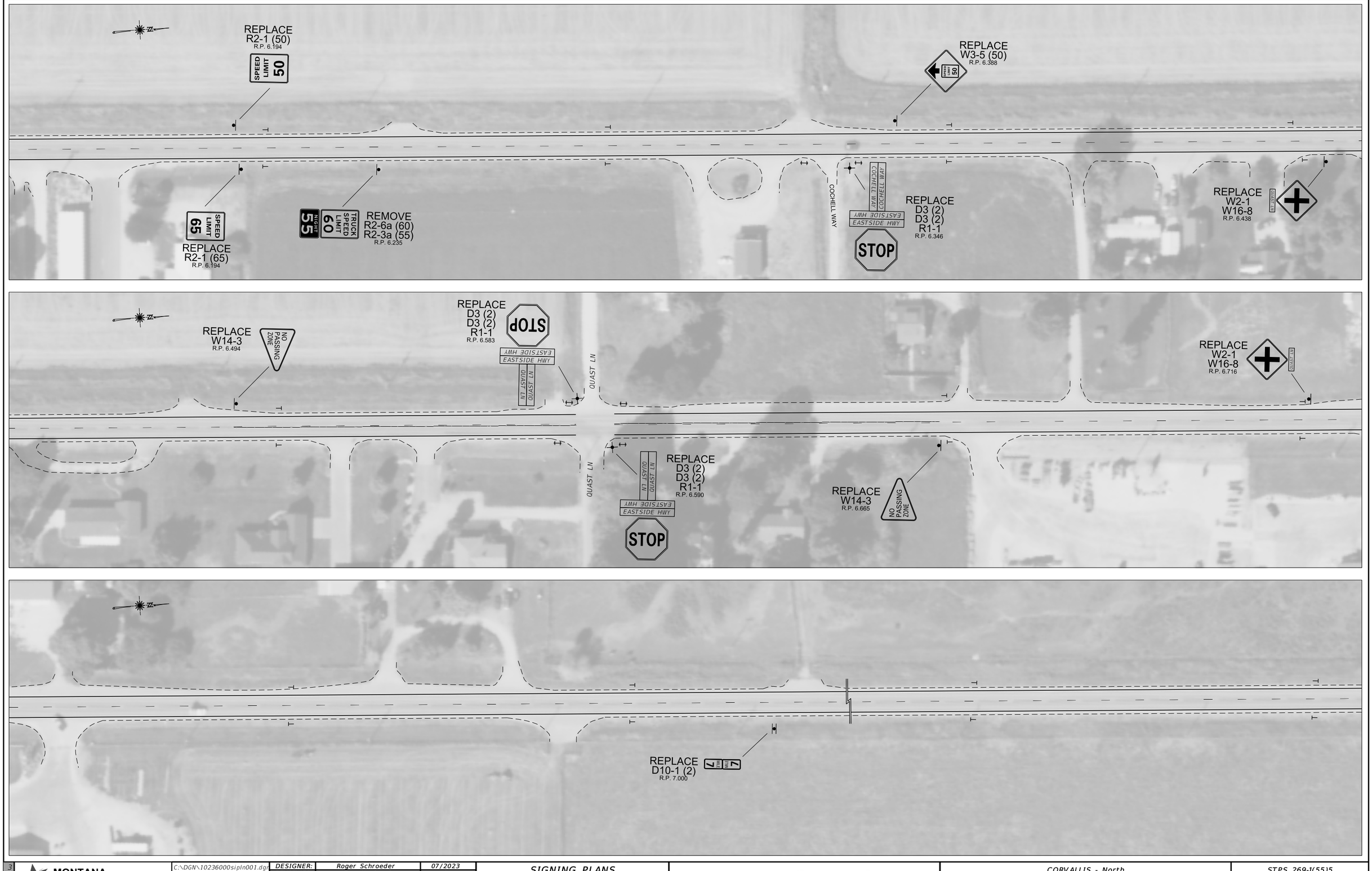
REPLACE
W14-3
R.P. 6.034
On Metal Post

REPLACE
R2-1 (50)
R.P. 6.064

REPLACE
D3 (2)
D3 (2)
R1-1
R.P. 6.079

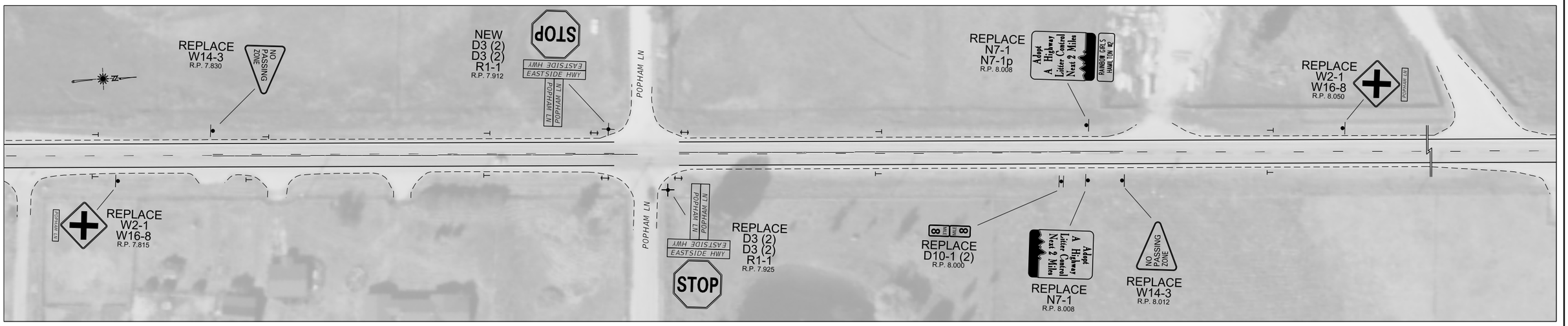
3	MONTANA Department of Transportation	C:\DGN\10236000sipln001.dgn	DESIGNER:	Roger Schroeder	07/2023	SIGNING PLANS	CORVALLIS - North / STPS 269-1(55)5
2		3/12/2024	REVIEWER:	Hans Hoelstad	*		
1		10:34:26 AM CPS - U4044	CHECKER:	Nathan Styren	*	RAVALLI COUNTY	PLAN SHEETS / UPN #10236000 / S11

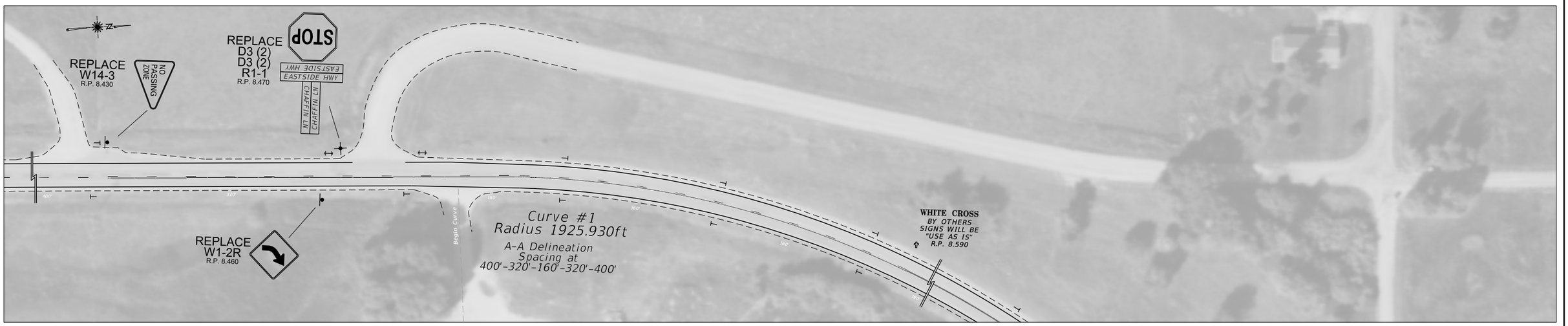
AWARD COPY

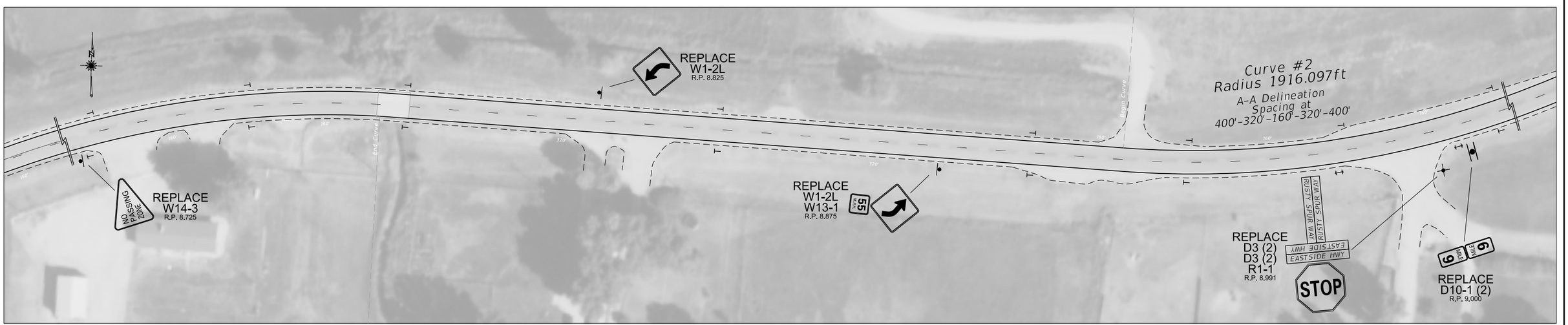


3	MONTANA Department of Transportation	C:\DGN\10236000sipln001.dgn	DESIGNER:	Roger Schroeder	07/2023	SIGNING PLANS	CORVALLIS - North	STPS 269-1(55)5
2		3/12/2024	REVIEWER:	Hans Hoelstad	*	PLAN SHEETS		
1		10:36:01 AM CPS - U4044	CHECKER:	Nathan Styren	*	RAVALLI COUNTY	UPN #10236000	S12

AWARD COPY

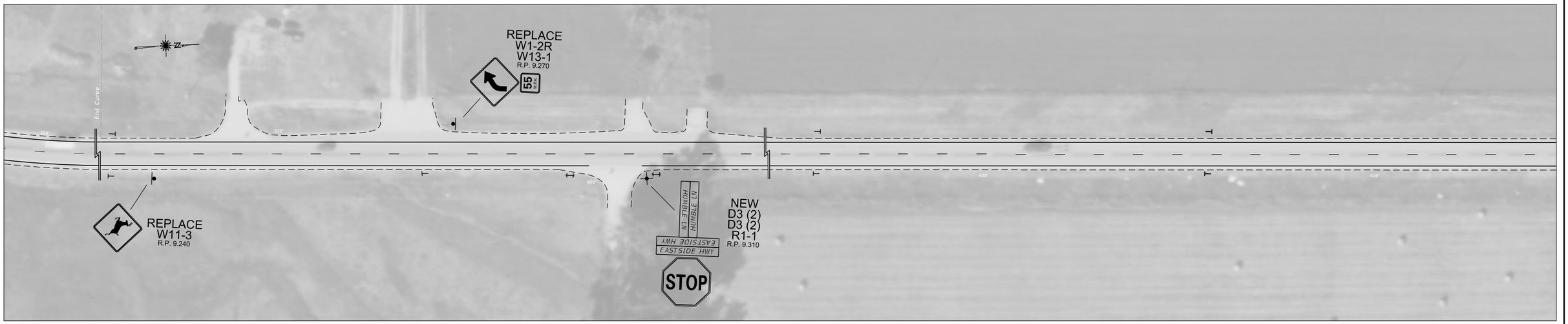


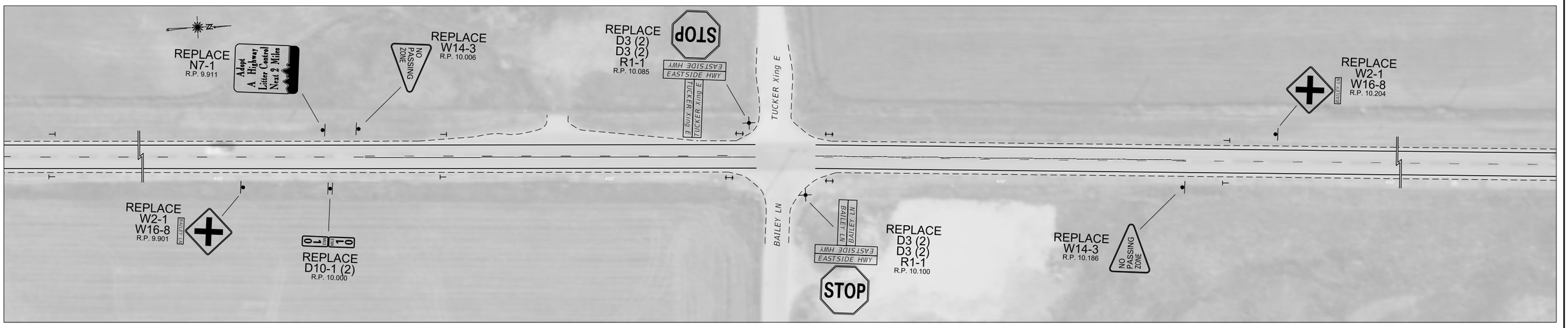


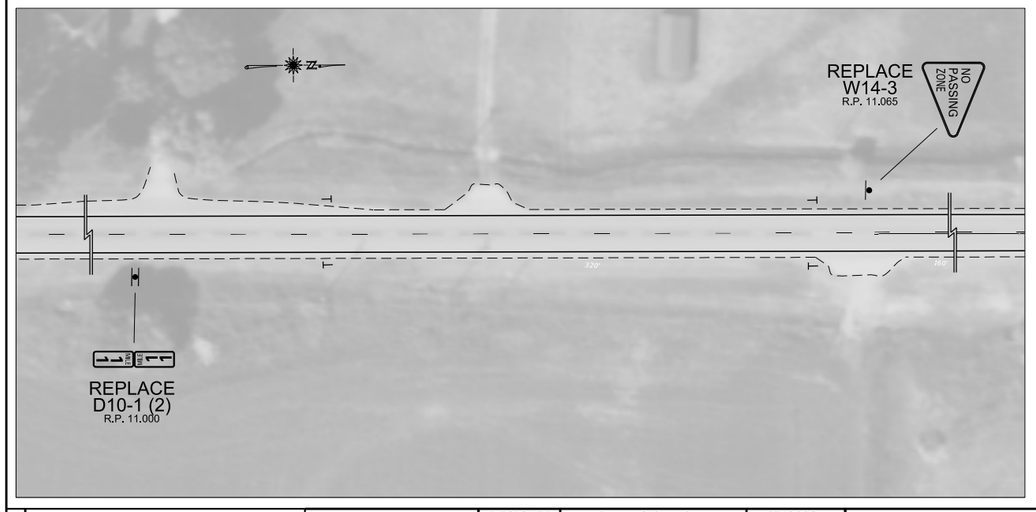


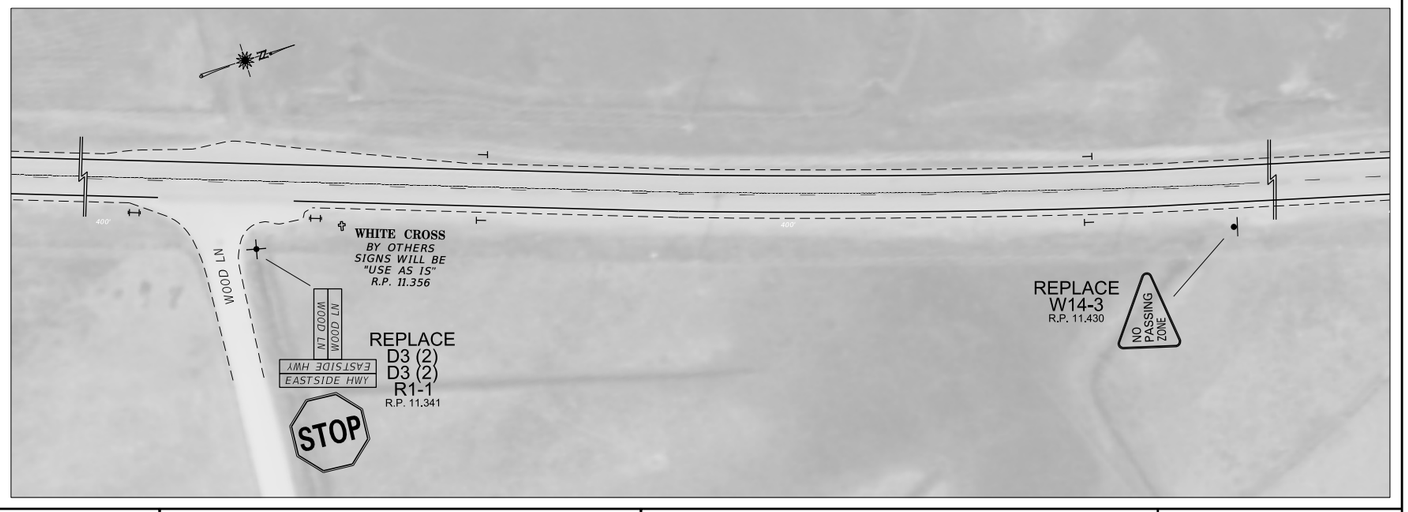
3	MONTANA Department of Transportation	C:\DGN\10236000sipln002.dgn	DESIGNER:	Roger Schroeder	07/2023	SIGNING PLANS	CORVALLIS - North / STPS 269-1(55)5
2		3/12/2024	REVIEWER:	Hans Hoelstad	*	PLAN SHEETS	UPN #10236000 / S13
1		10:38:20 AM CPS - U4044	CHECKER:	Nathan Styren	*	RAVALLI COUNTY	

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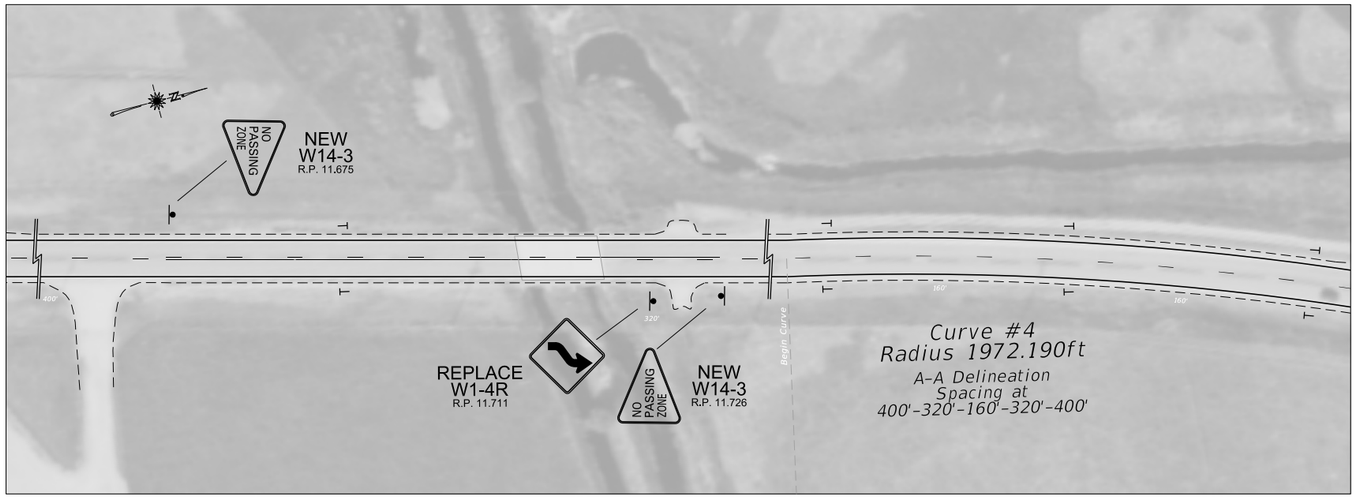




3	MONTANA Department of Transportation	C:\DGN\10236000sipln002.dgn	DESIGNER:	Roger Schroeder	07/2023	SIGNING PLANS	CORVALLIS - North	STPS 269-1(55)5
2		3/12/2024	REVIEWER:	Hans Hoelstad	*			
1		10:40:39 AM CPS - U4044	CHECKER:	Nathan Styren	*	RAVALLI COUNTY	UPN #10236000	S14

PLAN SHEETS

AWARD COPY





3	MONTANA Department of Transportation	C:\DGN\10236000sipln002.dgn	DESIGNER:	Roger Schroeder	07/2023	SIGNING PLANS	PLAN SHEETS	CORVALLIS - North / STPS 269-1(55)5
2		3/12/2024	REVIEWER:	Hans Hoelstad	*			UPN #10236000 / S15
1		10:43:31 AM CPS - U4044	CHECKER:	Nathan Styren	*	RAVALLI COUNTY		