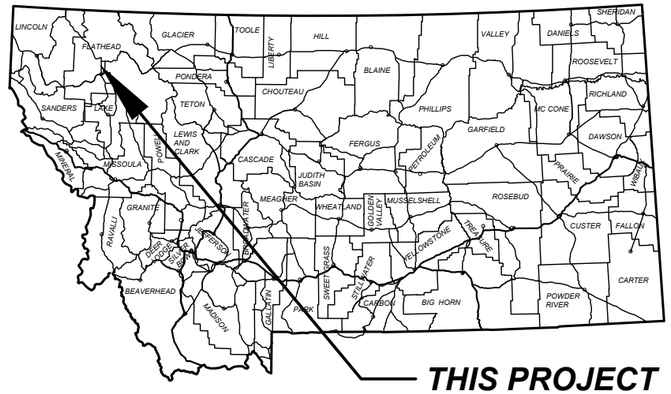
AWARD COPY



MONTANA DEPARTMENT OF TRANSPORTATION

FEDERAL AID PROJECT NH 5-3(161)118

COLD MILLING, PLANT MIX, SIGNING

STILLWATER RIVER - NORTH (A LIMITED ACCESS FACILITY)

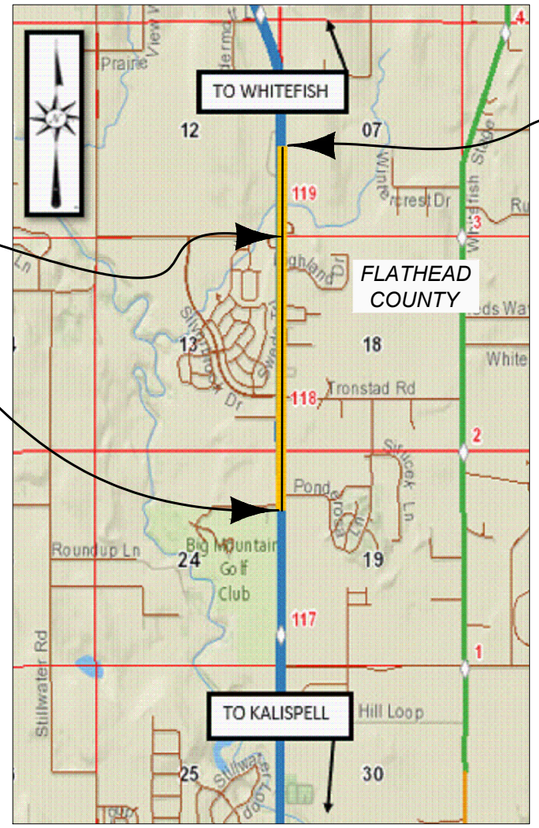
FLATHEAD COUNTY

LENGTH 1.6 MILES

PROJECT DESIGN DATA

PRESENT	2022	A.D.T. =	22,490
LETTING	2024	A.D.T. =	23,440
DESIGN	2044	A.D.T. =	35,530
		D.H.V. =	3,590
		TRUCKS =	3.9%
		V. =	70 MPH
		18 KIP ESAL'S =	186
		GROWTH RATE =	2.1%

STA. 316+77.69 R.P. 118.848
NORTHBOUND BRIDGE 141' x 38'
NBI P00005118+08481 \MDT ID 05258
SOUTHBOUND BRIDGE 141' x 38'
NBI P00005118+08482 \MDT ID 05259
NOT THIS CONTRACT



STA. 253+00 ON NH-PLH 5-3(61)115F METRIC =
STA. 256+36.91 BEG. NH 5-3(161)118 ENGLISH

STA. 341+46.19 END NH 5-3(161)118 ENGLISH =
STA. 49+23.40 ON CM-CBI-NH 5-3(86)119F METRIC

RP 117.7 TO RP 119.3

THIS CONTRACT

SHEET NO. 1

TITLE SHEET

PROJECT NAME: STILLWATER RIVER-NORTH
COUNTY: FLATHEAD
PROJECT ID: NH 5-3(161)118
UPN: 10233000

CHECKED BY	JJS	6/15/23
REVIEWED BY	####	####
DESIGNED BY	U6523	11/28/22

MONTANA Department of Transportation
ROAD PLANS

9/15/2022 7:48 AM
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SIGNING PLANS	
SUMMARY	S1
SPECIFICATIONS	S2-S3
DETAILS	S4

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.	= 5.0% 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

LIMITED ACCESS CONTROL

THIS PROJECT IS A LIMITED ACCESS CONTROL FACILITY. OBTAIN APPROVAL FROM THE CHIEF OF THE RIGHT-OF-WAY BUREAU PRIOR TO ADDING, DELETING OR RELOCATING ANY APPROACHES.

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.

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. ANY ACTION IMPACTING WETLAND AREAS WITHOUT THE APPROPRIATE PERMITTING IS THE RESPONSIBILITY OF THE CONTRACTOR.

SHEET NO.
2

TABLE OF CONTENTS
NOTES

PROJECT NAME: STILLWATER RIVER- NORTH
COUNTY: FLATHEAD
PROJECT ID: NH 5-3(161)118
UPN: 10233000

CHECKED BY	JJS	6/15/23
REVIEWED BY	####	####
DESIGNED BY	U6523	11/28/22

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MONTANA
Department of Transportation

ROAD PLANS

11/28/2022 9:37 AM

SOUTHBOUND

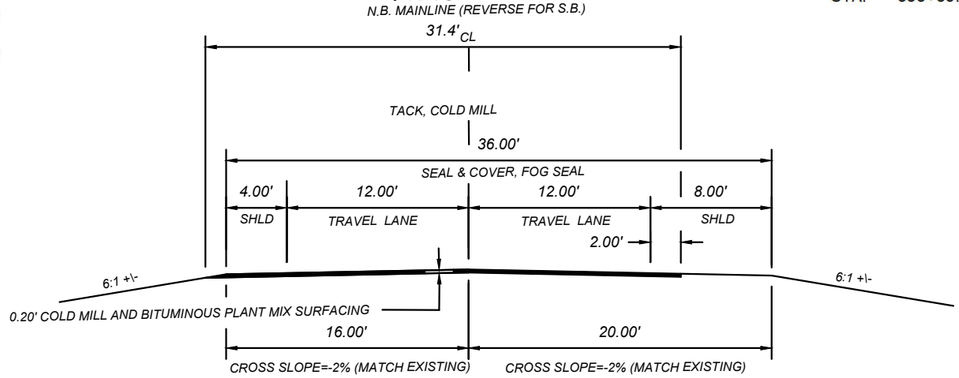
STA.	256+36.91		TO	270+95.90	
STA.	270+95.90		TO	272+71.85	TRANS. TYP. NO. 1 TO TYP. 2
STA.	281+91.24		TO	282+80.76	
STA.	282+80.76		TO	285+51.65	TRANS. TYP. NO. 1 TO TYP. 2
STA.	289+77.27		TO	293+87.66	
STA.	293+87.66		TO	296+51.50	TRANS. TYP. NO. 1 TO TYP. 2
STA.	300+86.65		TO	307+13.29	
STA.	307+13.29		TO	309+38.03	TRANS. TYP. NO. 1 TO TYP. 2
STA.	313+62.50		TO	315+99.00	BE
STA.	317+40.08	BE	TO	341+46.19	

NORTHBOUND

STA.	256+36.91		TO	266+35.07	
STA.	266+35.07		TO	268+47.67	TRANS. TYP. NO. 1 TO TYP. 2
STA.	277+64.93		TO	316+15.48	BE
STA.	317+56.56	BE	TO	333+86.45	
STA.	333+86.45		TO	336+19.79	TRANS. TYP. NO. 1 TO TYP. 2

TYPICAL NO. 1

N.B. MAINLINE (REVERSE FOR S.B.)



QUANTITIES

UNIT	AGGREGATE		UNIT	BITUMINOUS MATERIAL				COLD MILLING
	COVER	PLANT MIX		ASPHALT CEMENT	SEAL	EMULSIFIED ASPHALT TACK *	EMULSIFIED ASPHALT FOG SEAL (OVER SEAL & COVER)	
AREA square feet		6.14	square yards PER STATION		400	349	400	349
cubic yards PER STATION		22.7	tons PER STATION	2.19	0.71			
tons PER STATION		43.8	gallons PER STATION			17	30	
square yards PER STATION	400							
TOTAL tons PER STATION			TOTAL tons PER STATION					

*** BASED ON 1 APPLICATION**

SOUTHBOUND

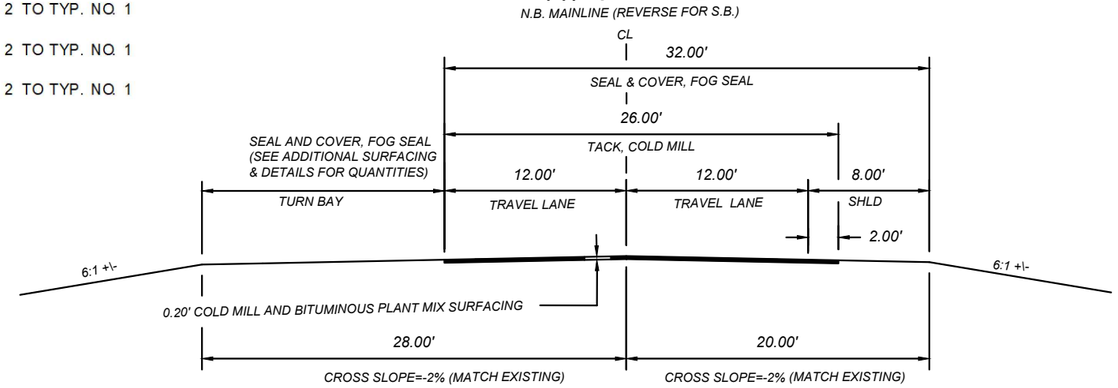
STA.	272+71.85	TO	279+82.64	
STA.	279+82.64	TO	281+91.24	TRANS. TYP. NO. 2 TO TYP. NO. 1
STA.	285+51.65	TO	287+64.67	
STA.	287+64.67	TO	289+77.27	TRANS. TYP. NO. 2 TO TYP. NO. 1
STA.	296+51.50	TO	298+74.05	
STA.	298+74.05	TO	300+86.65	TRANS. TYP. NO. 2 TO TYP. NO. 1
STA.	309+38.03	TO	311+49.90	
STA.	311+49.90	TO	313+62.50	TRANS. TYP. NO. 2 TO TYP. NO. 1

NORTHBOUND

STA.	268+47.67	TO	275+93.15	
STA.	275+93.15	TO	277+64.93	TRANS. TYP. NO. 2 TO TYP. NO. 1
STA.	336+19.79	TO	341+46.19	

TYPICAL NO. 2

N.B. MAINLINE (REVERSE FOR S.B.)



QUANTITIES

UNIT	AGGREGATE		UNIT	BITUMINOUS MATERIAL				COLD MILLING
	COVER	PLANT MIX		ASPHALT CEMENT	SEAL	EMULSIFIED ASPHALT TACK *	EMULSIFIED ASPHALT FOG SEAL (OVER SEAL & COVER)	
AREA square feet		5.20	square yards PER STATION		356	289	356	289
cubic yards PER STATION		19.3	tons PER STATION	1.86	0.64			
tons PER STATION		37.2	gallons PER STATION			14	27	
square yards PER STATION	356							
TOTAL tons PER STATION			TOTAL tons PER STATION					

*** BASED ON 1 APPLICATION**

SHEET NO. 3

TYPICAL SECTIONS

PROJECT NAME: STILLWATER RIVER - NORTH
COUNTY: FLATHEAD
PROJECT ID: NH 5-3(161)118
UPN: 10233000

CHECKED BY	JJS	6/15/23	
REVIEWED BY	####	####	
DESIGNED BY	U6523	11/28/22	

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MONTANA Department of Transportation

ROAD PLANS

10/6/2023 10:50 AM

SURFACING

STATION FROM	STATION 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. GR. S -1/2"	BITUMINOUS MATERIAL tons ASPHALT CEMENT PG 70-28	BITUMINOUS MATERIAL tons EMULSIFIED ASPHALT CHFRS-2P	BITUMINOUS MATERIAL gals. EMULSIFIED ASPHALT TACK	BITUMINOUS MATERIAL gals. EMULSIFIED ASPHALT FOG SEAL	REMARKS
SOUTHBOUND														
256+36.91	270+95.90	1,458.99	1,458.99					5,836	639	32.0	10.4	248	438	TYP. NO. 1
270+95.90	272+71.85	175.95	175.95					665	71	3.6	1.2	27	50	TRANS. TYP. NO. 1 TO TYP. NO. 2
272+71.85	279+82.64	710.79	710.79					2,530	264	13.2	4.5	100	192	TYP. NO. 2
279+82.64	281+91.24	208.60	208.60					789	84	4.2	1.4	32	59	TRANS. TYP. NO. 2 TO TYP. NO. 1
281+91.24	282+80.76	89.52	89.52					358	39	2.0	0.6	15	27	TYP. NO. 1
282+80.76	285+51.65	270.89	270.89					1,024	110	5.5	1.8	42	77	TRANS. TYP. NO. 1 TO TYP. NO. 2
285+51.65	287+64.67	213.02	213.02					758	79	4.0	1.4	30	58	TYP. NO. 2
287+64.67	289+77.27	212.60	212.60					804	86	4.3	1.4	33	61	TRANS. TYP. NO. 2 TO TYP. NO. 1
289+77.27	293+87.66	410.39	410.39					1,642	180	9.0	2.9	70	123	TYP. NO. 1
293+87.66	296+51.50	263.84	263.84					997	107	5.3	1.8	41	75	TRANS. TYP. NO. 1 TO TYP. NO. 2
296+51.50	298+74.05	222.55	222.55					792	83	4.1	1.4	31	60	TYP. NO. 2
298+74.05	300+86.65	212.60	212.60					804	86	4.3	1.4	33	61	TRANS. TYP. NO. 2 TO TYP. NO. 1
300+86.65	307+13.29	626.64	626.64					2,507	274	13.7	4.4	107	188	TYP. NO. 1
307+13.29	309+38.03	224.74	224.74					850	91	4.6	1.5	35	64	TRANS. TYP. NO. 1 TO TYP. NO. 2
309+38.03	311+49.90	211.87	211.87					754	79	3.9	1.4	30	57	TYP. NO. 2
311+49.90	313+62.50	212.60	212.60					804	86	4.3	1.4	33	61	TRANS. TYP. NO. 2 TO TYP. NO. 1
313+62.50	315+99.00	236.50	236.50					946	104	5.2	1.7	40	71	TYP. NO. 1
315+99.00	317+40.08	141.08			141.08	SOUTHBOUND BRIDGE								BRIDGE
317+40.08	341+46.19	2,406.11	2,406.11					9,624	1,054	52.7	17.1	409	722	TYP. NO. 1
SOUTHBOUND SUB TOTAL		8,509.28	8,368.20					32,484	3,516	175.9	57.7	1,356	2,444	
NORTHBOUND														
256+36.91	266+35.07	998.16	998.16					3,993	437	21.9	7.1	170	299	TYP. NO. 1
266+35.07	268+47.67	212.60	212.60					804	86	4.3	1.4	33	61	TRANS. TYP. NO. 1 TO TYP. NO. 2
268+47.67	275+93.15	745.48	745.48					2,654	277	13.9	4.8	104	201	TYP. NO. 2
275+93.15	277+64.93	171.78	171.78					649	70	3.5	1.2	27	49	TRANS. TYP. NO. 2 TO TYP. NO. 1
277+64.93	316+15.48	3,850.55	3,850.55					15,402	1,687	84.3	27.3	655	1,155	TYP. NO. 1
316+15.48	317+56.56	141.08			141.08	NORTHBOUND BRIDGE								BRIDGE
317+56.56	333+86.45	1,629.89	1,629.89					6,520	714	35.7	11.6	277	489	TYP. NO. 1
333+86.45	336+19.79	233.34	233.34					882	95	4.7	1.6	36	67	TRANS. TYP. NO. 1 TO TYP. NO. 2
336+19.79	341+46.19	526.40	526.40					1,874	196	9.8	3.4	74	142	TYP. NO. 2
NORTHBOUND SUB TOTAL		8,509.28	8,368.20					32,778	3,562	178.1	58.4	1,376	2,463	
						ADDITIONAL SURFACING		11,964			21.5		897	
TOTAL		~	~	~	~		99	77,226	7,078	354.0	137.6	2,732	5,804	

ADDITIONAL SURFACING (INCLUDED IN SURFACING FRAME)

STATION FROM	STATION 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. GR. S - 1/2"	BITUMINOUS MATERIAL tons ASPHALT CEMENT PG 70-28	BITUMINOUS MATERIAL tons EMULSIFIED ASPHALT CHFRS-2P	BITUMINOUS MATERIAL gals. EMULSIFIED ASPHALT TACK	BITUMINOUS MATERIAL gals. EMULSIFIED ASPHALT FOG SEAL	REMARKS
266+35.07	281+91.24	1,556.17	1,556.17			2 NB & 2 SB LEFT TURN LANES		3,790			6.8		284	U.S. 93 NORTH AND HAGERMAN LANE\TRONSTAD RD.\SILVERBROOK DR. INTERSECTIONS.
282+80.76	289+77.27	696.51	696.51			SB LEFT TURN		1,562			2.8		117	U.S. 93 NORTH AND MIRANDA DR. INTERSECTION.
293+87.66	300+86.65	698.99	698.99			SB LEFT TURN		1,544			2.8		116	U.S. 93 NORTH AND AUTUMN CT. INTERSECTION.
307+13.29	313+62.50	649.21	649.21			SB LEFT TURN		1,330			2.4		100	U.S. 93 NORTH AND HIGHLAND DR. INTERSECTION.
311+95.00	315+55.00	360.00	360.00			SB APPROACH AND BR. TAPER		1,302			2.3		98	U.S. 93 NORTH SOUTHBOUND APPR. FOR CHURCH DR.
317+82.00	321+16.00	334.00	334.00			NB APPROACH AND BR. TAPER		1,273			2.3		95	U.S. 93 NORTH NORTHBOUND APPR. FOR CHURCH DR.
333+86.45	341+46.19	759.74	759.74			NB LEFT TURN		1,163			2.1		87	U.S. 93 NORTH NORTHBOUND TURN LANE\END OF PROJECT
SUBTOTAL		~	~	~	~		~	11,964	~	~	21.5	~	897	

* CADD MEASURED SQUARE YARDS-SEE DETAIL SHEETS.

SHEET NO. 4

SUMMARIES

PROJECT NAME STILLWATER RIVER - NORTH
COUNTY FLATHEAD
PROJECT ID NH 5-3(161)118
UPN 10233000

CHECKED BY	JJS	6/15/23	
REVIEWED BY	####	####	
DESIGNED BY	U6523	11/28/22	

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MONTANA Department of Transportation

ROAD PLANS

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COLD MILLING *

STATION		sq. yards	REMARKS
		COLD MILLING	
FROM	TO	0.20 ft	
256+36.91 SB	341+46.19 SB	27,813	
256+36.91 NB	341+46.19 NB	28,238	
TOTAL		56,051	

* SEE DETAILS

SINUSOIDAL RUMBLE STRIPS

STATION		miles		gals	REMARKS
		SINUSOIDAL RUMBLE STRIPS		EMULSIFIED ASPHALT FOG SEAL #	
		MEDIAN SHOULDER	OUTSIDE SHOULDER		
FROM	TO				
256+36.91 SB	341+46.19 SB	0.9	1.5	282	
256+36.91 NB	341+46.19 NB	1.0	1.4	282	
SUBTOTAL		1.9	2.9	564	
TOTAL		4.8		~	

FOR INFORMATION ONLY, INCLUDE IN THE COST OF RUMBLE STRIPS

PAVEMENT MARKINGS

ITEM	UNIT	INTERIM APPLICATION #	FINAL APPLICATION	TOTAL
STRIPING - WHITE PAINT	gallon	1,149		1,149
STRIPING - YELLOW PAINT	gallon	923		923
WORDS & SYMBOLS - WHITE PAINT	gallon	61		61
WORDS & SYMBOLS - YELLOW PAINT	gallon	39		39
STRIPING - WHITE EPOXY	gallon		575	575
STRIPING - YELLOW EPOXY	gallon		446	446
WORDS & SYMBOLS - WHITE EPOXY	gallon		67	67
WORDS & SYMBOLS - YELLOW EPOXY	gallon		43	43
TEMPORARY STRIPING	linear feet			17,018

BASED ON 2 APPLICATIONS.

BRIDGE REPAIR

STATION		square yard		REMARKS
		CLASS A REPAIR AREA	BRIDGE DECK CRACK SEAL	
FROM	TO			
SOUTHBOUND				
315+99.00 BE	317+40.08 BE	2.0	555.4	
NORTHBOUND				
316+15.48 BE	317+56.56 BE		555.4	
TOTAL		2.0	1,110.8	

TEMPORARY BARRIER RAIL

STATION		linear feet		each		REMARKS
		TEMPORARY BARRIER RAIL	RESET TEMPORARY BARRIER RAIL	TEMPORARY IMPACT ATTENUATOR *	RESET TEMPORARY IMPACT ATTENUATOR *	
FROM	TO					
315+99.00 BE	317+40.08 BE	170	170	1	1	SOUTHBOUND
TOTAL		170	170	1	1	

* TEMPORARY IMPACT ATTENUATORS ARE ONLY REQUIRED ON THE ARRIVAL SIDE OF SOUTHBOUND TRAFFIC.

SHEET NO. 5

SUMMARIES

PROJECT NAME: STILLWATER RIVER - NORTH
COUNTY: FLATHEAD
PROJECT ID: NH 5-3(161)118
UPN: 10233000

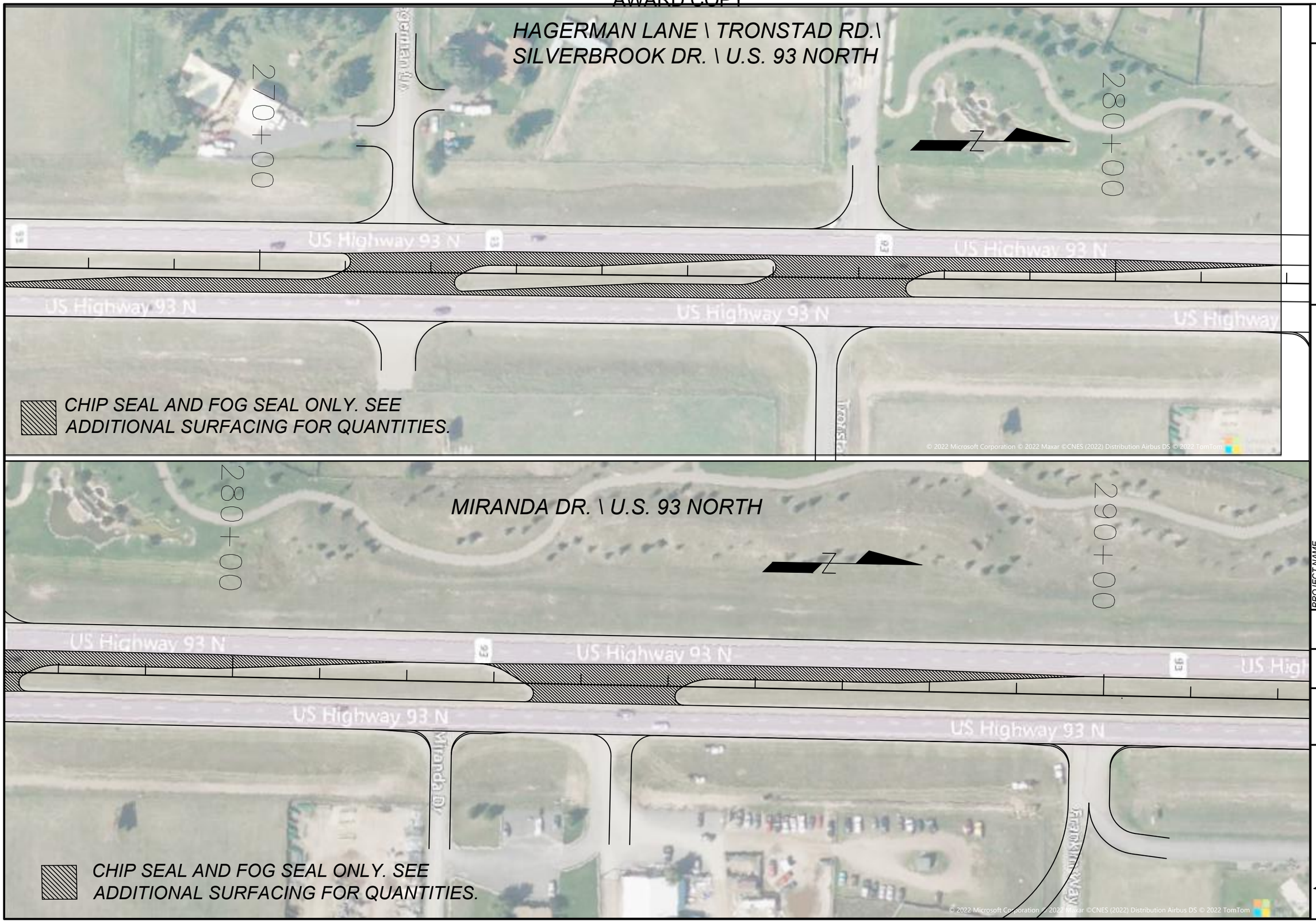
CHECKED BY	JJS	6/15/23	
REVIEWED BY	####	####	
DESIGNED BY	U6523	11/28/22	10233000RDMAP001.DWG

MONTANA Department of Transportation

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SHEET NO.
7

PLANS

PROJECT NAME: STILLWATER RIVER - NORTH
COUNTY: FLATHEAD
PROJECT ID: NH 5-3(161)118
UPN: 10233000

CHECKED BY	JJS	6/15/23
REVIEWED BY	####	####
DESIGNED BY	U6523	11/28/22

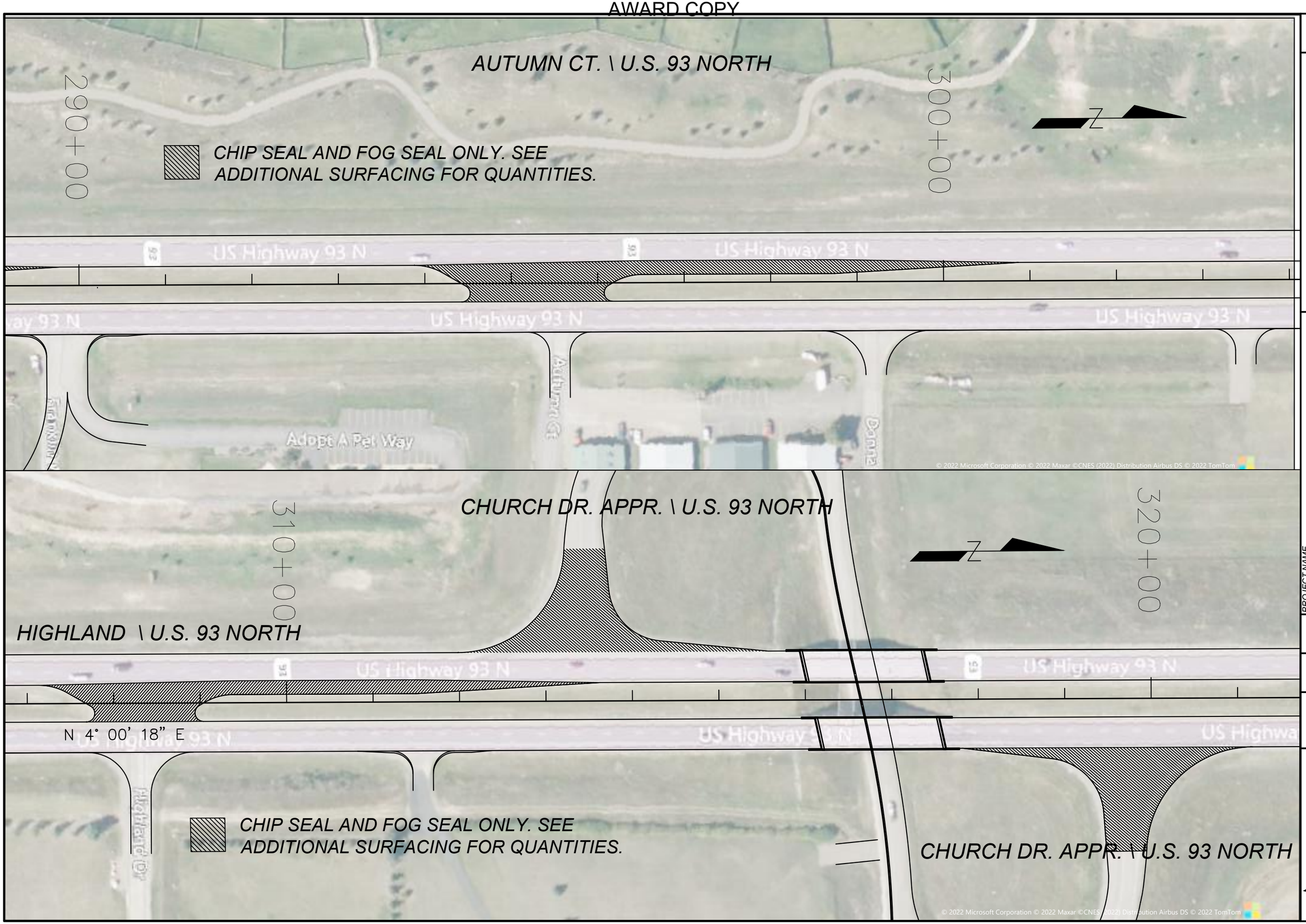
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MONTANA
Department of Transportation

ROAD PLANS

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SHEET NO.
8

PLANS

PROJECT NAME: STILLWATER RIVER - NORTH
COUNTY: FLATHEAD
PROJECT ID: NH 5-3(161)118
UPN: 10233000

CHECKED BY	JJS	6/15/23
REVIEWED BY	####	####
DESIGNED BY	U6523	11/28/22

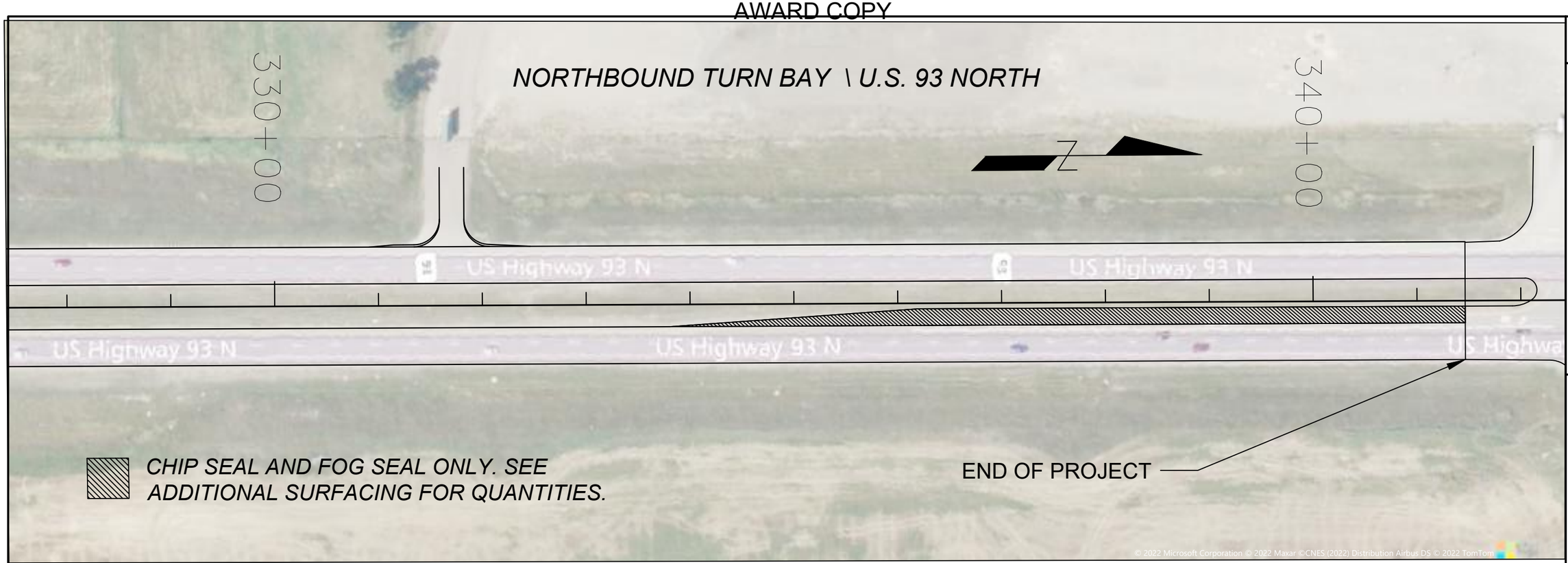
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MONTANA
Department of Transportation

ROAD PLANS

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SHEET NO.
9

PLANS

PROJECT NAME
STILLWATER RIVER - NORTH

COUNTY
FLATHEAD

PROJECT ID
NH 5-3(161)118

UPN
10233000

CHECKED BY	JJS	6/15/23
REVIEWED BY	####	####
DESIGNED BY	U6523	11/28/22

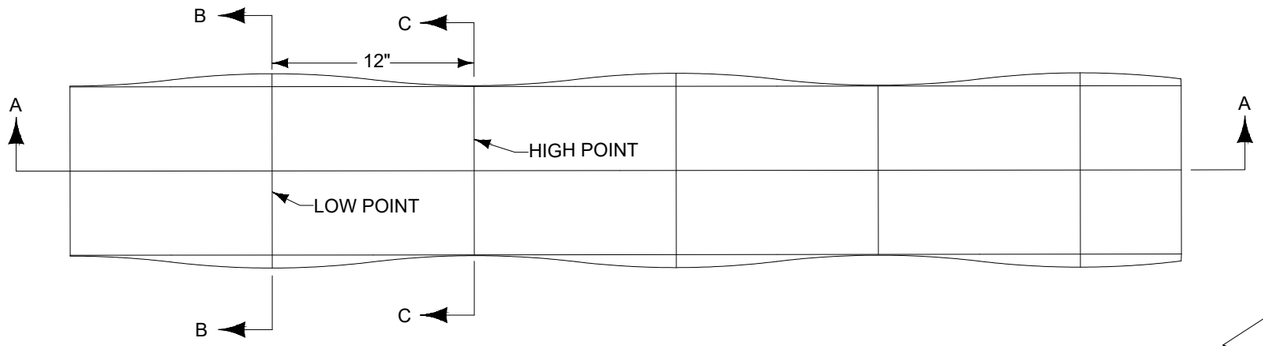
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MONTANA
Department of Transportation

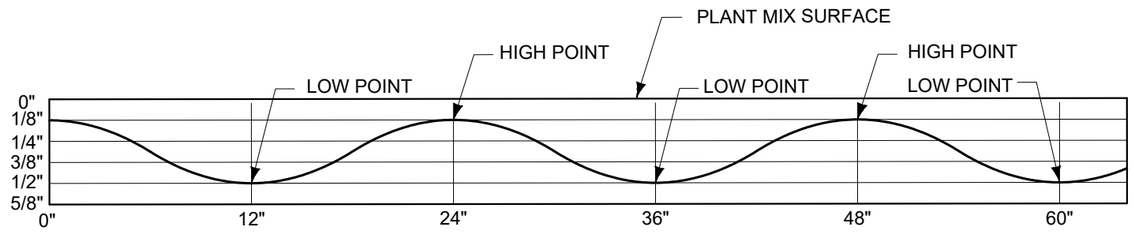
ROAD PLANS

10/6/2023 10:50 AM

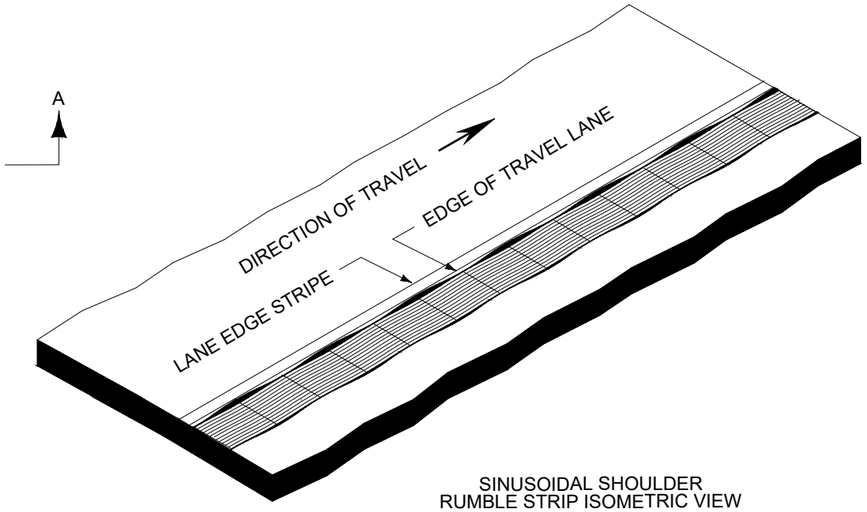
DETAIL



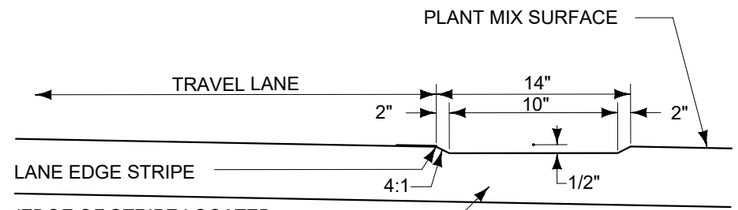
SINUSOIDAL SHOULER RUMBLE STRIP
WITH TAPERED GROOVE PLAN VIEW



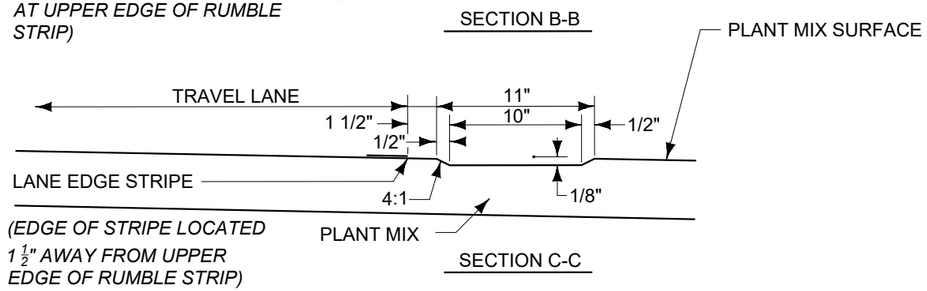
SECTION A-A



SINUSOIDAL SHOULDER
RUMBLE STRIP ISOMETRIC VIEW



SECTION B-B



SECTION C-C

NOTES:

SEE DETAIL DRAWING 411-03 FOR REQUIREMENTS FOR INTERMITTENT RUMBLE STRIP SPACING AND DISCONTINUING RUMBLE STRIPS AT PUBLIC APPROACHES, INTERSTATE RAMPS AND GUARDRAIL RUNS.

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

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 SHOULDER RUMBLE STRIP.

SHEET NO.
6

DETAILS

PROJECT NAME: STILLWATER RIVER - NORTH
COUNTY: FLATHEAD
PROJECT ID: NH 5-3(161)118
UPN: 10233000

CHECKED BY	JJS	6/15/23
REVIEWED BY	####	####
DESIGNED BY	U6523	11/28/22

1023300RDMAP001.DWG

MONTANA
Department of Transportation

ROAD PLANS

10/6/2023 10:50 AM

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SUMMARY
SIGNING & DELINEATION QUANTITIES

MATERIAL	TOTAL	UNIT
SIGNS-ALUM REFL SHEET IV		SQ. FOOT
SIGNS-ALUM REFL SHEET XI	155.5	SQ. FOOT
SIGNS-ALUM SHEET INCR IV		SQ. FOOT
SIGNS-ALUM SHEET INCR XI	114.6	SQ. FOOT
OVERLAY-SHEET ALUMINUM		SQ. FOOT
POSTS-STEEL U SIGN	88	POUNDS
POLES-TREATED WOOD 3 IN		LINEAR FT.
POLES-TREATED WOOD 4 IN	152	LINEAR FT.
POLES-TREATED WOOD 5 IN	114	LINEAR FT.
POLES-TREATED TIMBER-CLASS 4		LINEAR FT.
POLES-TREATED TIMBER-CLASS 3		LINEAR FT.
POSTS-TUBULAR STEEL	406	POUNDS
POSTS-TUBULAR STEEL-SQ-PERF		POUNDS
POSTS-STEEL STRUCTURAL SIGN		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 DES A	36*	EACH
DELINEATOR DES B		EACH
DELINEATOR DES C		EACH
DELINEATOR DES D	42*	EACH
DELINEATOR DES E		EACH
DELINEATOR DES F		EACH
DELINEATOR DES G		EACH
DELINEATOR DES H	42*	EACH
REMOVE SIGNS	20	EACH
REMOVE SIGNS-GUIDE	4	EACH
RESET SIGNS	2	EACH
RESET SIGNS-GUIDE		EACH
FRANG SIGN POST BKWY-3.5 IN RD	4	EACH
FRANG SIGN POST BKWY-		EACH
SQ TUBLR SLIP BASE BKWY-3 IN		EACH

* REPLACE DELINEATORS IN THEIR CURRENT LOCATION. A 5% CONTINGENCY HAS BEEN ADDED TO EACH DELINEATOR TYPE. REPLACE FLEXIBLE DELINEATORS WITH TYPE D DELINEATOR.

ADOPT-A-HIGHWAY SIGNING

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

MOUNTING HEIGHT REQUIREMENTS: MOUNTING HEIGHTS SHOWN REFER TO THE BOTTOM OF THE MAJOR PANEL. SEE DETAIL DRAWINGS 619-00 & 619-08.

FY = TYPE XI FLUORESCENT YELLOW SHEETING REQUIRED.

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

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

■ = FRANGIBLE SIGN POST BREAKAWAY DEVICE REQUIRED

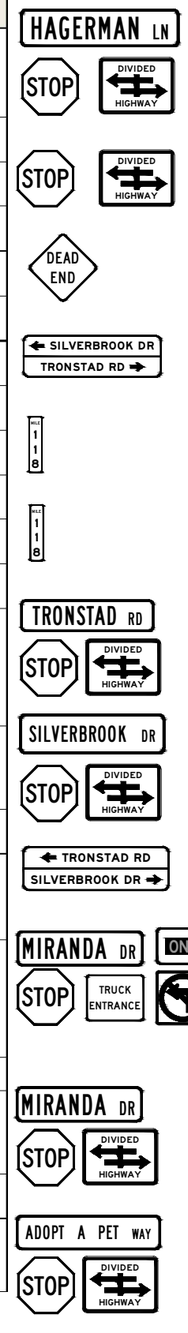
Kimley»Horn

3	MONTANA Department of Transportation		DESIGNED BY	GSB	05/19/23	SIGNING PLANS	STILLWATER RIVER - NORTH / NH 5-3(161)118
2			REVIEWED BY	JDM	05/22/23		
			CHECKED BY	JDM	05/22/23	FLATHEAD COUNTY	UPN# 10233000 / S1

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SIGN LOCATION AND SPECIFICATION

Lt.	STATION / M.P.	Rt.	RAMP NO.	SIGN NO.	PANEL SIZE	REFL SHTG BACK- GRND	REFL SHTG LEGEND	FEET CLEARANCE	FEET SIGN SUPPORT SPACING	TYPE OF SUPPORT	CANTILEVER	FEET SUPPORT LENGTH (ESTIMATED)	FEET SUPPORT LENGTH (INSTALLED)	FEET MOUNTING HEIGHT	FEET FOUNDATION DEPTH	SIGN PANEL (SQ. FT.) SHEET ALUMINUM IV	ALUM. SHEET INCREMENT IV	SHEET ALUMINUM XI	ALUM. SHEET INCREMENT XI	ALUMINUM SHT OVERLAY	TIMBER POLE (LINEAR FT.) 3" TOP DIA.	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	STEEL POST (LBS.) ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	BREAKAWAY	SIGNS REMOVE	SIGNS RESET	GUIDE REMOVE	GUIDE RESET	REMARKS
	117.99			D3-1	42 X 10													2.9																HAGERMAN LN
				D3-1	42 X 10													2.9																HAGERMAN LN
Lt.				R1-1	30 X 30					5 IN DIA		14-6		5-0	3-5			5.2																STOP
				R6-3	24 X 18			6-0		POLE								3.0					16							X	1				DIVIDED HWY
	117.99			R1-1	30 X 30					4 IN DIA								5.2				14									1			STOP
		Rt.		R6-3	24 X 18			6-0		POLE		13-1		5-0	3-0			3.0																DIVIDED HWY
	117.99			W14-1	30 X 30			10-0		4 IN DIA POLE		12-6		5-0	3-0			6.3				14									1			DEAD END
	118.00			D1-1	138 X 42			10-0	6-11	3-1/2 IN DIA PIPE		13-6	14-8	5-0	3-0				40.3						203					■			1		SILVERBROOK DR TRONSTAD RD
	118.00			D10-3	10 X 36			4-0		#2 STL U POST		11-0		4-0	3-0			2.5											22		1			REFERENCE POST 118
	118.00			D10-3	10 X 36			4-0		#2 STL U POST		11-0		4-0	3-0			2.5											22		1			REFERENCE POST 118
	118.08			D3-2	42 X 10													2.9																TRONSTAD RD
				D3-2	42 X 10													2.9																TRONSTAD RD
				R1-1	30 X 30					5 IN DIA								5.2																STOP SIGN
		Rt.		R6-3	24 X 18			6-0		POLE		14-6		5-0	3-6			3.0					16							X	1				DIVIDED HWY
	118.09			D3-3	36 X 10													2.5																SILVERBROOK DR
				D3-3	36 X 10					5 IN DIA								2.5																SILVERBROOK DR
				R1-1	30 X 30					POLE								5.2																STOP
Lt.				R6-3	24 X 18			6-0				14-6		5-0	3-5			3.0					16							X	1				DIVIDED HWY
	118.18			D1-2	138 X 42			10-0	6-11	3-1/2 IN DIA PIPE		13-6	14-8	5-0	3-0				40.3						203					■			1		TRONSTAD RD SILVERBROOK DR
	118.19			D3-4	36 X 10													2.5																MIRANDA DR
				D3-4	36 X 10													2.5																MIRANDA DR
				R1-1	30 X 30					5 IN DIA								5.2																STOP
				R6-1R	36 X 12					POLE								3.0																ONE WAY RIGHT
				R3-2	24 X 24													4.0																NO LEFT TURN
		Rt.		xx-x	24 X 24			6-0				16-1		5-0	3-6			4.0					18							X	1				TRUCK ENTRANCE
	118.23			D3-4	36 X 10													2.5																MIRANDA DR
				D3-4	36 X 10					5 IN DIA								2.5																MIRANDA DR
				R1-1	30 X 30					POLE								5.2																STOP
		Rt.		R6-3	24 X 18			6-0				14-6		5-0	3-6			3.0					16							X	1				DIVIDED HWY
	118.33			D3-5	42 X 10													2.9																ADOPT A PET WAY
				D3-5	42 X 10													2.9																ADOPT A PET WAY
				R1-1	30 X 30					5 IN DIA								5.2																STOP SIGN
		Rt.		R6-3A	24 X 18			6-0		POLE		14-6		5-0	3-6			3.0					16							X	1				DIVIDED HWY



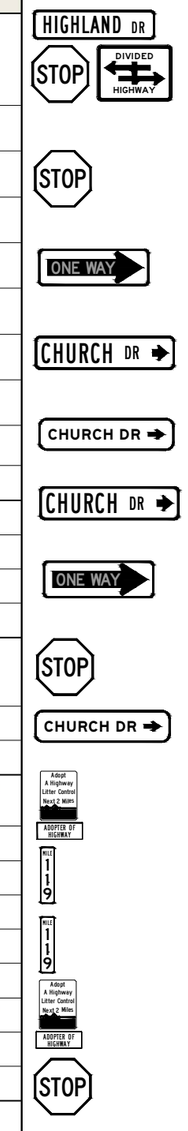
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3 / 1	MONTANA Department of Transportation		DESIGNED BY GSB 05/19/23 REVIEWED BY JDM 05/22/23 CHECKED BY JDM 05/22/23	SIGNING PLANS FLATHEAD COUNTY		STILLWATER RIVER - NORTH UPN# 10233000	NH 5-3(161)118 S2

AWARD COPY

SIGN LOCATION AND SPECIFICATION

Lt. / Rt.	STATION / M.P.	RAMP NO.	SIGN NO.	PANEL SIZE	REFL SHTG BACK- GRND	REFL SHTG LEGEND	FEET CLEARANCE	FEET SIGN SUPPORT SPACING	TYPE OF SUPPORT	CANTILEVER	FEET SUPPORT LENGTH (ESTIMATED)	FEET SUPPORT LENGTH (INSTALLED)	FEET MOUNTING HEIGHT	FEET FOUNDATION DEPTH	SIGN PANEL (SQ. FT.) SHEET ALUMINUM IV	ALUM. SHEET INCREMENT IV	SHEET ALUMINUM XI	ALUM. SHEET INCREMENT XI	ALUMINUM SHT OVERLAY	TIMBER POLE (LINEAR FT.) 3" TOP DIA.	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	STEEL POST (LBS.) ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	BREAKAWAY	SIGNS REMOVE	SIGNS RESET	GUIDE REMOVE	GUIDE RESET	REMARKS
	118.68		D3-6	42 X 10													2.9																HIGHLAND DR
Rt.			D3-6	42 X 10					5 IN DIA								2.9																HIGHLAND DR
			R1-1	30 X 30					POLE								5.2																STOP
			R6-3A	24 X18			6-0				14-6		5-0	3-5			3.0					16							X	1				DIVIDED HIGHWAY
	118.77								4 IN DIA																								
Lt.			R1-1	30 X 30			6-0		POLE		11-6		5-0	3-0			5.2				12									1				STOP
	118.78								4 IN DIA																								
	Med.		R6-1R	36 X 12			10-0		POLE		11-0		5-0	3-0			3.0				12									1				ONE WAY (CENTERED MEDIAN)
	118.79								4 IN DIA																								
Lt.			D3-7	42 X 10			10-0		POLE		10-10		5-0	3-0			2.9				12									1				CHURCH DR
	118.81								4 IN DIA																								
Rt.			D1-3	102 x 24			10-0	5-1	POLE		12-0	13-0	5-0	3-0				17.0			28										1		CHURCH DR
	118.87								4 IN DIA																								
Rt.			D3-7	42 X 10			10-0		POLE		10-10		5-0	3-0			2.9				12									1				CHURCH DR
	118.89								4 IN DIA																								
	Med.		R6-1R	36 X 12			10-0		POLE		11-0		5-0	3-0			3.0				12									1				ONE WAY (CENTERED MEDIAN)
	118.91								4 IN DIA																								
Rt.			R1-1	30 X 30			6-0		POLE		11-6		5-0	3-0			5.2				12									1				STOP
	118.94								4 IN DIA																								
Lt.			D1-3	102 x 24			10-0	5-1	POLE		12-0	13-0	5-0	3-0				17.0			12										1		CHURCH DR
	118.95		N7-1																														
Rt.			N7-1P	RESET			20-0						5-1																	1				ADOPT A HIGHWAY LITTER CONTROL NEXT 2 MILES TAMARACK CANNABIS
	119.00								#2 STL																								
Rt.			D10-3	10 X 36			4-0		U POST		11-0		4-0	3-0			2.5											22		1				REFERENCE POST 119
	119.00								#2 STL																								
Lt.			D10-3	10 X 36			4-0		U POST		11-0		4-0	3-0			2.5											22		1				REFERENCE POST 119
	119.00																																
Lt.			N7-1	RESET			20-0						5-0																	1				ADOPT A HIGHWAY LITTER CONTROL NEXT 2 MILES
	119.12								4 IN DIA																								
Lt.			R1-1	30 X 30			6-0		POLE		11-6		5-0	3-0			5.2				12									1				STOP
ALL SHEET TOTALS																	155.5	114.6			152	114		406			88		20	2	4		

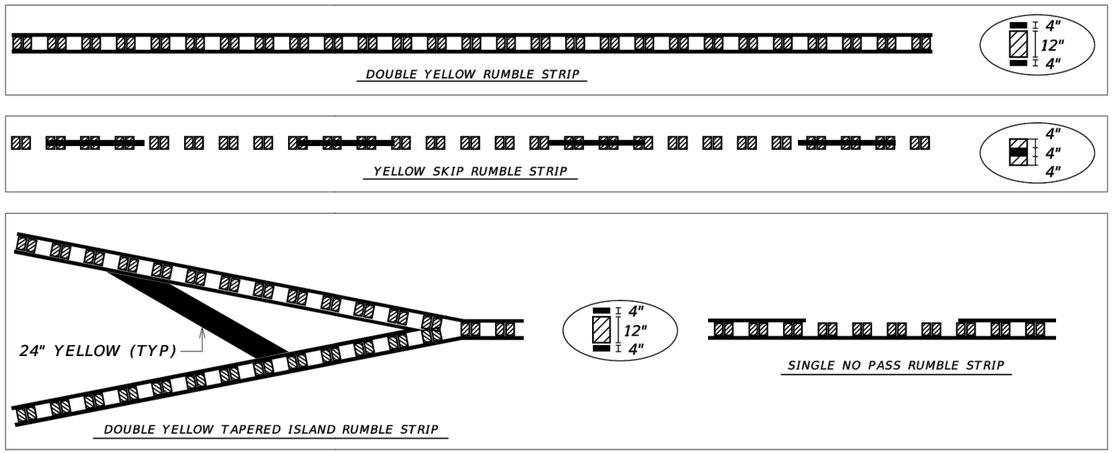


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2 / 1	MONTANA Department of Transportation	DESIGNED BY GSB 05/19/23	SIGNING PLANS		STILLWATER RIVER - NORTH	NH 5-3(161)118
		REVIEWED BY JDM 05/22/23				
		CHECKED BY JDM 05/22/23	FLATHEAD COUNTY		UPN# 10233000	S3

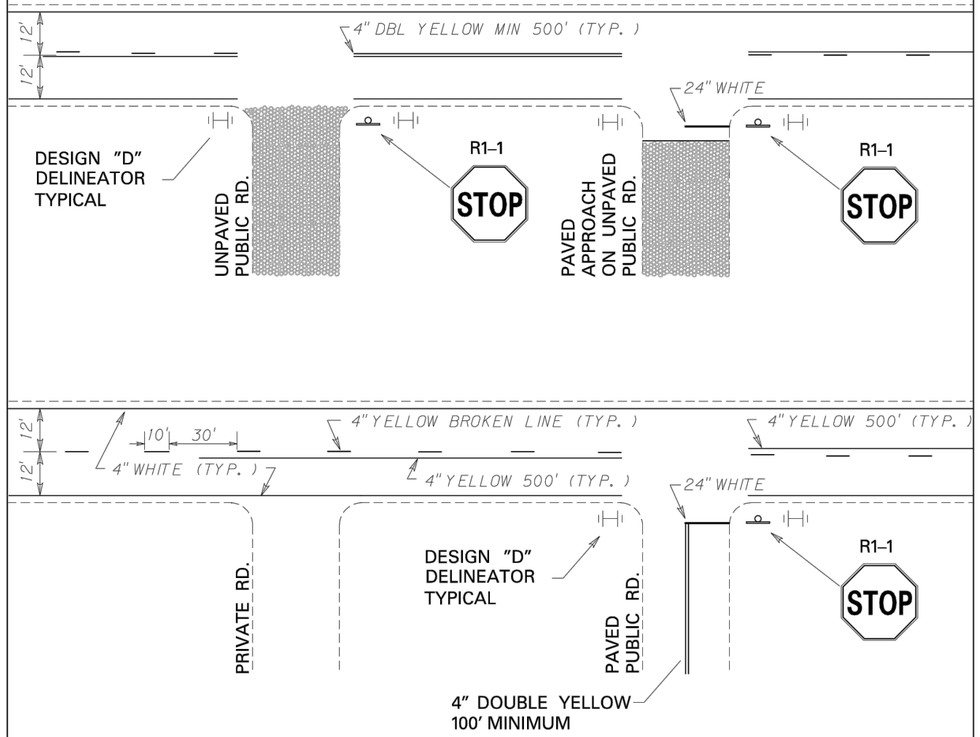
DETAILS

TYPICAL CENTERLINE RUMBLE STRIP DETAILS



TYPICAL 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.*