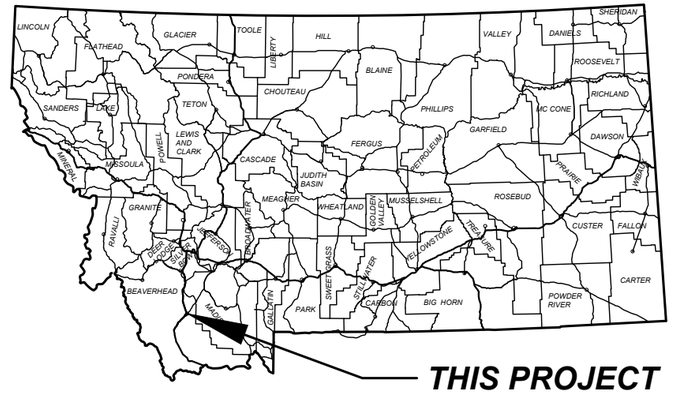
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MONTANA DEPARTMENT OF TRANSPORTATION

FEDERAL AID PROJECT STPP 89-1(18)2

COLD MILLING, OVERLAY, ADA SIDEWALK UPGRADES

MONTANA STREET-DILLON

BEAVERHEAD COUNTY

LENGTH 0.7 MILES

SURFACING SOURCES - CONTRACTOR FURNISHED

PROJECT DESIGN DATA			
PRESENT	2023	A.A.D.T. =	7,910
LETTING	2025	A.A.D.T. =	8,070
DESIGN	2045	A.A.D.T. =	9,840
		D.H.V. =	1,500
		TRUCKS =	3.0%
		V. =	N/A
		18 KIP ESAL'S =	89 DAILY
		GROWTH RATE =	1.0% ANNUALLY

ASSOCIATED PROJECT AGREEMENT NUMBERS	
R/W	
I.C.	
P.E.	STPP 89-1(17)2

R. 8 W.



STA. 56+73.58 (ENG)
BEGIN CONNECTION

STA. 2+00.00 (MET)
ON STPP 89-1(11)2 =

STA. 57+39.20 (ENG)
BEGIN STPP 89-1(18)2

RP 1.7 TO RP 2.4
THIS CONTRACT

STA. 95+97.86 (ENG)
END STPP 89-1(18)2 =

STA. 13+76.12 (MET)
ON STPP 89-1(11)2

STA. 96+77.86 (ENG)
END CONNECTION

MONTANA
DEPARTMENT OF TRANSPORTATION

APPROVED BY:

HIGHWAYS DESIGN ENGINEER

MONTANA
MEGAN CAIL
29099PE
LICENSED PROFESSIONAL ENGINEER

Signed by:
54B7CB87471454A3...

3/13/2025
DATE

MONTANA
Department of Transportation

ROAD PLANS

12/26/2024 9:15 AM

DESIGNED BY	MSU DESIGN	10/2024
REVIEWED BY	C. WELBORN	11/2024
CHECKED BY	T. JOHNSON	11/2024

PROJECT NAME: MONTANA STREET-DILLON
COUNTY: BEAVERHEAD
PROJECT ID: STPP 89-1(18)2
UPN: 9743000
9743000RDTTL001.DWG

SHEET NO.
01

TITLE SHEET

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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
BITUMINOUS MATERIAL	= 8.5 LBS. PER GAL.
EMULSIFIED ASPHALT - TACK (ALL OTHER SURFACES)	= 0.05 GAL. PER SQ. YARD (UNDILUTED)
EMULSIFIED ASPHALT - TACK (CONCRETE SURFACES)	= 0.10 GAL. PER SQ. YARD (UNDILUTED)
SEAL	= 0.42 GAL. PER SQ. YARD
COVER	= 25 LBS. PER SQ. YARD

UTILITIES

CALL THE UTILITIES UNDERGROUND LOCATION CENTER (811) OR OTHER NOTIFICATION SYSTEM FOR THE MARKING AND LOCATION OF ALL LINES AND SERVICES BEFORE EXCAVATING. UTILITY CONFLICTS ARE NOT EXPECTED. EXISTING WATER VALVES, SANITARY SEWER MANHOLES, AND STORM DRAIN MANHOLES WILL REQUIRE ADJUSTMENT DURING CONSTRUCTION. COORDINATION WITH THE CITY OF DILLON WILL BE REQUIRED FOR EXISTING WATER AND SANITARY SEWER WITHIN THE MILLING LIMITS.

WETLANDS

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

AS-BUILTS

FOR HORIZONTAL ALIGNMENT AND STATIONING, REFER TO THE FOLLOWING "AS-BUILT" PROJECT(S):

STPP 89-1(11)2 (RECONST. - 2005)

APPROACHES (FOR INFORMATION ONLY)

STATION	TYPE	linear feet WIDTH	linear feet LENGTH *	EXISTING SURFACING	PROPOSED SURFACE	sq. yards COVER TYPE II	tons EMULS. ASPHALT CHFRS-2P	REMARKS
60+90	PUBLIC	36	24.1	ASPHALT	SEAL & COVER ONLY	154	0.3	RT. - VIRGINIA ST. - M.O.C.
64+39	PUBLIC	30	49.3	ASPHALT	SEAL & COVER ONLY	298	0.5	LT. - BUTTE ST. - M.O.C.
64+39	PUBLIC	38	17.6	ASPHALT	SEAL & COVER ONLY	96	0.2	RT. - BUTTE ST. - M.O.C.
67+74	PUBLIC	38	22.9	ASPHALT	SEAL & COVER ONLY	119	0.2	RT. - NORTH ST. - M.O.C.
72+63	PUBLIC	30	66.0	ASPHALT	SEAL & COVER ONLY	337	0.6	LT. - FRANKLIN ST. - M.O.C.
72+67	PUBLIC	38	24.9	ASPHALT	SEAL & COVER ONLY	178	0.3	RT. - FRANKLIN ST. - M.O.C.
81+47	PUBLIC	38	68.8	ASPHALT	SEAL & COVER ONLY	314	0.6	RT. - HOLLYWOOD ST. - M.O.C.
84+82	PUBLIC	43	94.1	ASPHALT	SEAL & COVER ONLY	762	1.4	LT. - MT-91 - M.O.C.
86+54	PUBLIC	37	25.8	ASPHALT	SEAL & COVER ONLY	155	0.3	RT. - SKIHI ST. - M.O.C.
SUBTOTAL	PUBLIC					2,413	4.4	

* LENGTH TO COVER EXISTING PAVEMENT MARKINGS (WORDS & SYMBOLS) WITH SEAL & COVER
M.O.C. - MEASURED ON CADD

CENTERLINE COORDINATE TABLE

STATION	DESCRIPTION	NORTHING OR Y COORDINATE	EASTING OR X COORDINATE	REMARKS
56+73.58	BOA	369,460.778	1,160,652.067	BEGIN ALIGNMENT & CONNECTION
57+39.20	POT	369,509.136	1,160,696.418	BEGIN PROJECT
73+37.95	PC	370,687.387	1,161,777.032	
84+97.49	PT	371,672.076	1,162,375.144	
95+97.86	POT	372,705.921	1,162,751.944	END PROJECT
96+47.07	PC	372,752.160	1,162,768.797	
96+77.86	POC	372,780.940	1,162,779.725	END CONNECTION
102+88.62	PT	373,264.260	1,163,141.277	
102+88.62	EOA	373,264.261	1,163,141.278	END ALIGNMENT

ALIGNMENT FILE - 9743000RDALN001.DWG / ALIGNMENT NAME - 9743000_RD_AB_MAINLINE

SHEET NO. 02

TABLE OF CONTENTS & NOTES

PROJECT NAME: MONTANA STREET-DILLON
COUNTY: BEAVERHEAD
PROJECT ID: STPP 89-1(18)2
UPN: 9743000

DESIGNED BY	MSU DESIGN	10/2024
REVIEWED BY	C. WELBORN	11/2024
CHECKED BY	T. JOHNSON	11/2024

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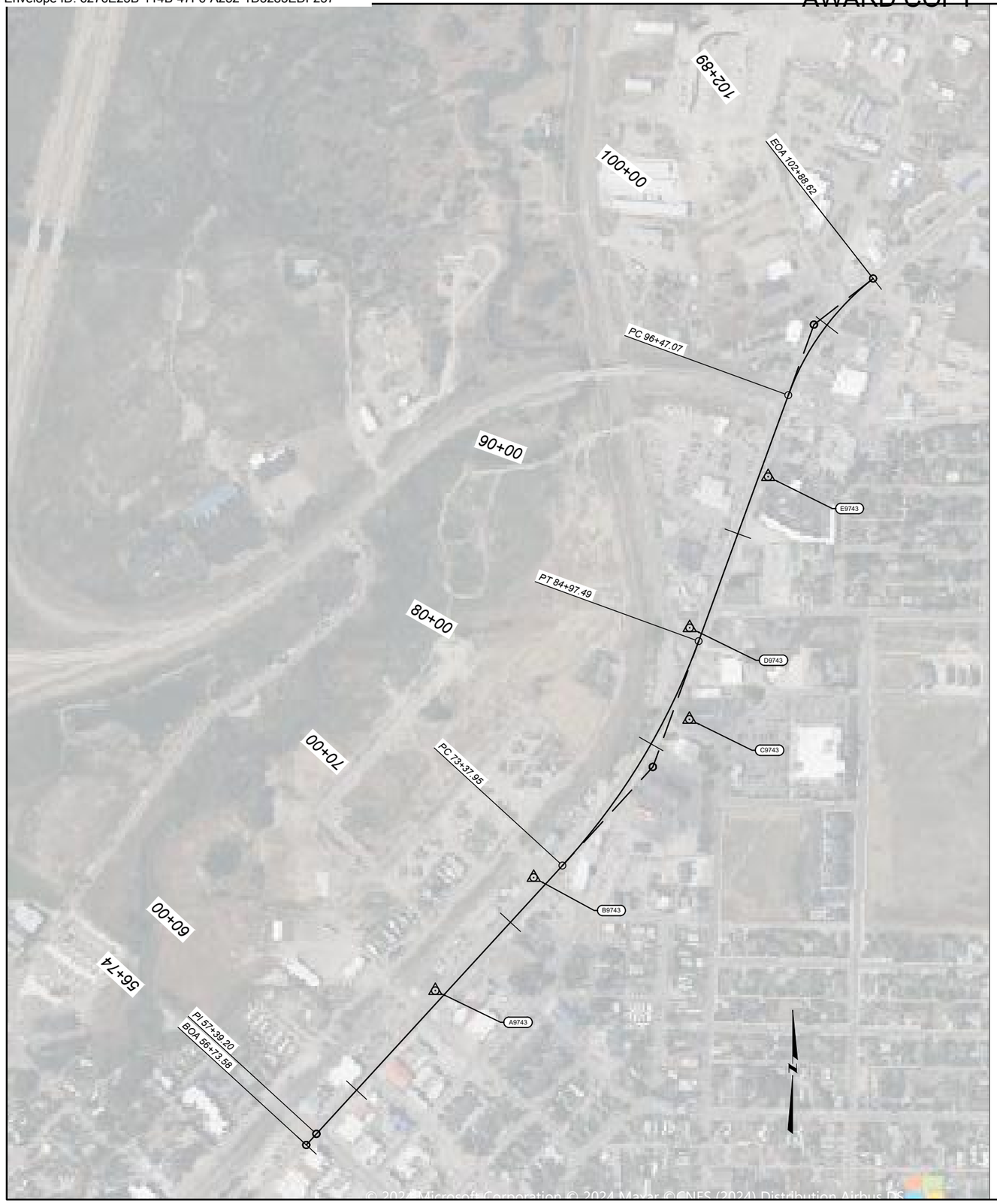
MONTANA Department of Transportation

ROAD PLANS

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CONTROL DIAGRAM

SCALE: N/A

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 0.99963202

BEARING SOURCE
GRID -- MONTANA COORDINATE SYSTEM NAD 83-2011

LEVEL DATUM SOURCE
GRID -- MONTANA COORDINATE SYSTEM NAD 83-2011
NAVD 88 ELEVATIONS DERIVED FROM DIFFERENTIAL LEVELS USING GEOID12A AND HOLDING BMS A9571

CONTROL ABSTRACT

POINT NAME/NUMBER	NORTHING OR Y COORDINATE	EASTING OR X COORDINATE	POINT ELEVATION
A9743	370,138.200	1,161,218.377	5,088.61
B9743	370,634.729	1,161,650.554	5,087.23
C9743	371,328.781	1,162,334.484	5,082.59
D9743	371,731.069	1,162,335.459	5,080.54
E9743	372,394.387	1,162,680.139	5,081.65

SHEET NO. 03

CONTROL DIAGRAM

PROJECT NAME: MONTANA STREET-DILLON
COUNTY: BEAVERHEAD
PROJECT ID: STPP 89-1(18)2
UPN: 9743000

DESIGNED BY: MSU DESIGN 10/2024
REVIEWED BY: C. WELBORN 11/2024
CHECKED BY: T. JOHNSON 11/2024
9743000RDTRV001.DWG

MONTANA Department of Transportation
ROAD PLANS

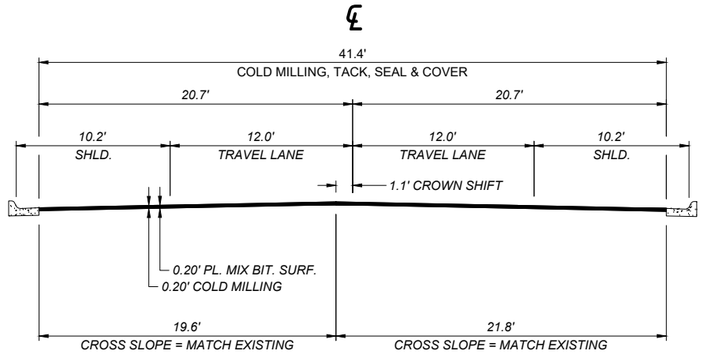
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TYPICAL SECTION NO. 1

MAINLINE

56+73.58 ONLY - BEGIN CONNECTION
56+73.58 TO 57+39.20 TRANS. TYP. NO. 1 TO TYP. NO. 2



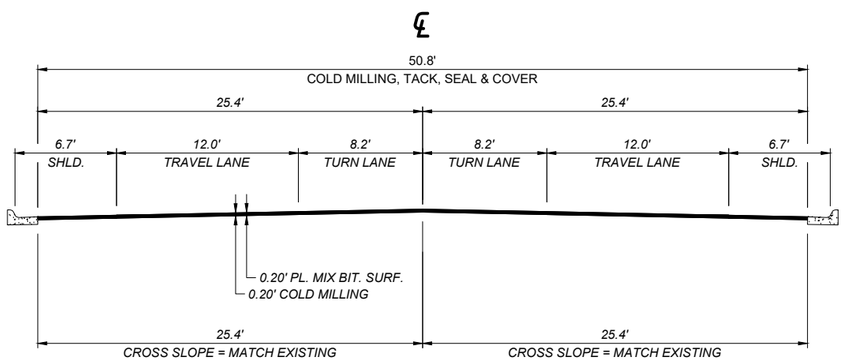
QUANTITIES						
UNIT	AGGREGATE		UNIT	BITUMINOUS MATERIAL		COLD MILLING
	COVER	PLANT MIX		EMULSIFIED ASPHALT SEAL	EMULSIFIED ASPHALT TACK*	
AREA square feet		8.28	square yards PER STATION	460	460	460
cubic yards PER STATION		30.7	tons PER STATION	0.82		
tons PER STATION		59.2	gals. PER STATION		23	
square yards PER STATION	460					

* BASED ON 1 APPLICATION

TYPICAL SECTION NO. 2

MAINLINE

57+39.20 BEGIN PROJECT
57+39.20 TO 67+54.00
67+54.00 TO 67+93.37 TRANS. TYP. NO. 2 TO TYP. NO. 3



QUANTITIES						
UNIT	AGGREGATE		UNIT	BITUMINOUS MATERIAL		COLD MILLING
	COVER	PLANT MIX		EMULSIFIED ASPHALT SEAL	EMULSIFIED ASPHALT TACK*	
AREA square feet		10.16	square yards PER STATION	564	564	564
cubic yards PER STATION		37.6	tons PER STATION	1.01		
tons PER STATION		72.5	gals. PER STATION		28	
square yards PER STATION	564					

* BASED ON 1 APPLICATION

SHEET NO. 04

TYPICAL SECTIONS

PROJECT NAME MONTANA STREET-DILLON
COUNTY BEAVERHEAD
PROJECT ID STPP 89-1(18)2
UPN 9743000

DESIGNED BY MSU DESIGN 10/2024
REVIEWED BY C. WELBORN 11/2024
CHECKED BY T. JOHNSON 11/2024
9743000RDTYP001.DWG

MONTANA Department of Transportation

ROAD PLANS

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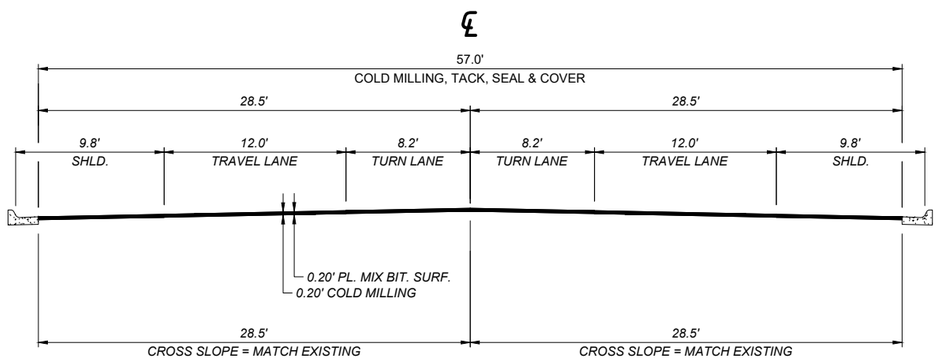
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TYPICAL SECTION NO. 3

MAINLINE

67+93.37	TO	95+97.86	
		95+97.86	END PROJECT
95+97.86	TO	96+77.86	
		96+77.86	END CONNECTION



QUANTITIES						
UNIT	AGGREGATE		UNIT	BITUMINOUS MATERIAL		COLD MILLING
	COVER	PLANT MIX		EMULSIFIED ASPHALT SEAL	EMULSIFIED ASPHALT TACK*	
AREA square feet		11.40	square yards PER STATION	633	633	633
cubic yards PER STATION		42.2	tons PER STATION	1.13		
tons PER STATION		81.3	gals. PER STATION		32	
square yards PER STATION	633					

* BASED ON 1 APPLICATION

SHEET NO. 05

TYPICAL SECTIONS

PROJECT NAME MONTANA STREET-DILLON

COUNTY BEAVERHEAD

PROJECT ID STPP 89-1(18)2

UPN 9743000

MONTANA Department of Transportation

ROAD PLANS

DESIGNED BY	MSU DESIGN	10/2024
REVIEWED BY	C. WELBORN	11/2024
CHECKED BY	T. JOHNSON	11/2024

12/23/2024 1:24 PM

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SUMMARY

SURFACING

STATION FROM	STATION TO	linear feet GROSS	linear feet NET	linear feet +	linear feet -	FOR	AGGREGATE sq. yards COVER TYPE II	AGGREGATE tons COMM. PLANT MIX BIT. SURF. - PG 58H-34	BITUMINOUS MATERIAL tons EMULSIFIED ASPHALT CHFRS-2P	BITUMINOUS MATERIAL gals. EMULSIFIED ASPHALT TACK	sq. yards COLD MILLING 0.20 ft	REMARKS
57+39.20	67+54.00	1,014.80	1,014.80				5,723	736	10.2	284	5,723	TYP. NO. 2
67+54.00	67+93.37	39.37	39.37				236	30	0.4	12	236	TRANS. TYP. NO. 2 TO TYP. NO. 3
67+93.37	95+97.86	2,804.49	2,804.49				17,752	2,280	31.7	897	17,752	TYP. NO. 3
						ADDITIONAL SURFACING	3,255	108	5.9	43	842	
TOTAL		3,858.66	3,858.66	~	~		26,966	3,154	48.2	1,236	24,553	

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 II	AGGREGATE tons COMM. PLANT MIX BIT. SURF. - PG 58H-34	BITUMINOUS MATERIAL tons EMULSIFIED ASPHALT CHFRS-2P	BITUMINOUS MATERIAL gals. EMULSIFIED ASPHALT TACK	sq. yards COLD MILLING 0.20 ft	REMARKS
56+73.58	57+39.20	65.62	65.62			BEGIN CONNECTION	336	43	0.6	17	336	TRANS. TYP. NO. 1 TO TYP. NO. 2 (HELENA ST. INTERSECTION)
						APPROACHES	2,413		4.4			SEE APPROACHES FRAME
95+97.86	96+77.86	80.00	80.00			END CONNECTION	506	65	0.9	26	506	TYP. NO. 3 (RAMSHORN ST. INTERSECTION)
SUBTOTAL		~	~	~	~		3,255	108	5.9	43	842	

CURB

STATION FROM	STATION TO	linear feet CONCRETE CURB AND GUTTER LEFT	linear feet CONCRETE CURB AND GUTTER RIGHT	linear feet REMOVE CURB AND GUTTER # LEFT	linear feet REMOVE CURB AND GUTTER # RIGHT	sq. yards CONCRETE VALLEY GUTTER * LEFT	sq. yards CONCRETE VALLEY GUTTER * RIGHT	sq. yards REMOVE CONCRETE VALLEY GUTTER ## LEFT	sq. yards REMOVE CONCRETE VALLEY GUTTER ## RIGHT	REMARKS
60+57.92	60+68.35		25.0		25.0		17.3		17.3	SOUTHEAST CORNER – VIRGINIA ST.
61+09.42	61+28.27		31.9		31.9		47.3		47.3	NORTHEAST CORNER – VIRGINIA ST.
63+93.15	64+13.64	28.1		28.1						SOUTHWEST CORNER – BUTTE ST.
64+01.09	64+18.03		33.3		33.3					SOUTHEAST CORNER – BUTTE ST.
64+59.64	64+78.93		32.3		32.3					NORTHEAST CORNER – BUTTE ST.
67+38.83	67+52.49		29.2		29.2					SOUTHEAST CORNER – NORTH ST.
67+94.91	68+18.36		33.6		33.6					NORTHEAST CORNER – NORTH ST.
72+35.95	72+42.39		32.9		32.9					SOUTHEAST CORNER – FRANKLIN ST.
72+92.33	73+20.15		36.0		36.0					NORTHEAST CORNER – FRANKLIN ST.
73+05.25	73+20.64	16.6		16.6						NORTHWEST CORNER – FRANKLIN ST.
78+90.45	79+05.13		14.8		14.8					EAST MIDBLOCK
78+91.11	79+06.43	15.1		15.1						WEST MIDBLOCK
81+16.27	81+25.08		17.2		17.2					SOUTHEAST CORNER – HOLLYWOOD ST.
81+66.64	81+86.77		30.3		30.3					NORTHEAST CORNER – HOLLYWOOD ST.
83+81.73	84+02.07	22.8		22.8						SOUTHWEST CORNER – MT-91
85+23.65	85+40.19	21.2		21.2						NORTHWEST CORNER – MT-91
86+24.09	86+34.87		16.5		16.5		11.6		11.6	SOUTHEAST CORNER – SKIHI ST.
86+84.68	86+98.10		27.2		27.2		31.1		31.1	NORTHEAST CORNER – SKIHI ST.
SUBTOTAL		103.8	360.2	103.8	360.2	~	107.3	~	107.3	
TOTAL		464.0		~		107.3		~		

FOR INFORMATION ONLY – INCLUDE IN THE COST OF NEW CURB AND GUTTER
* INCLUDES CONCRETE CURB RETURN FILLET
FOR INFORMATION ONLY – INCLUDE IN THE COST OF NEW VALLEY GUTTER. INCLUDES CONCRETE CURB RETURN FILLET.

SHEET NO. 06

SUMMARIES

PROJECT NAME MONTANA STREET-DILLON
COUNTY BEAVERHEAD
PROJECT ID STPP 89-1(18)2
UPN 9743000

DESIGNED BY MSU DESIGN 10/2024
REVIEWED BY C. WELBORN 11/2024
CHECKED BY T. JOHNSON 11/2024

9743000RDSUM001.DWG

MONTANA Department of Transportation

ROAD PLANS

12/27/2024 11:48 AM

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SUMMARY

SIDEWALK

STATION		sq. yards CONCRETE SIDEWALK 6"		DETECTABLE WARNING DEVICES TYPE 1		REMOVE SIDEWALK #		REMARKS
FROM	TO	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	
58+51.70	59+18.15	36.9						WEST MIDBLOCK
59+79.44	60+72.04	51.3						WEST MIDBLOCK
60+57.92	60+68.35		22.2		1.3		22.2	SOUTHEAST CORNER - VIRGINIA ST.
61+09.42	61+28.27		27.3		1.1		27.3	NORTHEAST CORNER - VIRGINIA ST.
61+23.50	61+80.27	31.4						WEST MIDBLOCK
62+16.34	62+85.32	38.4						WEST MIDBLOCK
63+21.20	63+64.84	24.3						WEST MIDBLOCK
63+93.15	64+13.64	28.4		1.1		28.4		SOUTHWEST CORNER - BUTTE ST.
64+01.09	64+18.03		25.6		1.1		25.6	SOUTHEAST CORNER - BUTTE ST.
64+59.64	64+78.93		31.5		1.1		31.5	NORTHEAST CORNER - BUTTE ST.
67+38.83	67+52.49		23.5		1.1		23.5	SOUTHEAST CORNER - NORTH ST.
67+94.91	68+18.36		26.3		1.2		26.3	NORTHEAST CORNER - NORTH ST.
72+35.95	72+42.39		26.2		1.2		26.2	SOUTHEAST CORNER - FRANKLIN ST.
72+91.21	73+20.15		34.3		1.1		34.3	NORTHEAST CORNER - FRANKLIN ST.
73+05.25	73+20.64	16.5		1.2		16.5		NORTHWEST CORNER - FRANKLIN ST.
78+90.45	79+05.13		8.8		1.1		8.8	EAST MIDBLOCK
78+91.11	79+06.43	8.8		1.1		8.8		WEST MIDBLOCK
81+16.27	81+25.08		14.3		1.1		14.3	SOUTHEAST CORNER - HOLLYWOOD ST.
81+66.64	81+86.77		25.0		1.1		25.0	NORTHEAST CORNER - HOLLYWOOD ST.
83+81.73	84+02.07	22.8		1.3		22.8		SOUTHWEST CORNER - MT-91
84+22.78	84+47.63	4.7		3.7				SPLITTER ISLAND - MT-91
85+23.65	85+40.19	19.8		1.1		19.8		NORTHWEST CORNER - MT-91
86+24.09	86+34.87		15.4		1.1		15.4	SOUTHEAST CORNER - SKIHI ST.
86+84.68	86+98.10		23.5		1.1		23.5	NORTHEAST CORNER - SKIHI ST.
SUBTOTAL		283.3	303.9	9.5	14.7	96.3	303.9	
TOTAL		587.2		24.2		~		

FOR INFORMATION ONLY - INCLUDE IN THE COST OF NEW SIDEWALK

MANHOLES IN PLACE

STATION	each ADJUST MANHOLE*		REMARKS
	LEFT	RIGHT	
57+17.47		1	0.4' RT. STORM
57+28.82	1		12.9' LT. SANITARY
60+46.24		1	0.3' RT. STORM
60+57.47	1		14.9' LT. SANITARY
63+82.12		1	0.8' RT. STORM
64+59.43	1		13.3' LT. SANITARY
64+93.56		1	0.5' RT. STORM
67+30.84		1	0.7' RT. STORM
67+63.52	1		16.8' LT. SANITARY
70+51.65	1		0.7' LT. STORM
71+39.51		1	16.0' RT. SANITARY
72+05.05		1	1.5' RT. STORM
73+90.12		1	7.9' RT. SANITARY
76+31.39		1	14.6' RT. SANITARY
76+51.89		1	0.9' RT. STORM
78+26.10		1	16.7' RT. SANITARY
84+22.93		1	0.4' RT. STORM
85+63.55	1		0.7' LT. STORM
88+75.53		1	1.1' RT. STORM
88+22.19		1	0.2' RT. STORM
88+75.53		1	1.1' RT. STORM
89+71.06	1		0.8' LT. STORM
92+42.63		1	0.8' RT. STORM
95+39.29		1	0.3' RT. STORM
95+66.59		1	26.0' RT. SANITARY
96+59.56	1		1.9' LT. STORM
SUBTOTAL	8	18	
TOTAL	26		

FUNDING - 100% STATE COST SHARE

* CONCRETE APRON - SEE DETAILED DRAWINGS (INCLUDE APRON IN COST OF ADJUSTMENT)

WATER VALVE BOXES

STATION	each ADJUST VALVE BOX*		REMARKS
	LEFT	RIGHT	
57+45.19		1	14.2' RT.
60+92.31		1	20.6' RT.
60+95.60		1	6.0' RT.
64+24.93		1	7.3' RT.
64+25.23		1	15.4' RT.
64+28.92		1	11.1' RT.
67+86.92		1	11.8' RT.
67+90.73		1	7.5' RT.
67+90.91		1	23.2' RT.
SUBTOTAL	~	9	
TOTAL	9		

FUNDING - 100% STATE COST SHARE

* CONCRETE APRON - SEE DETAILED DRAWINGS (INCLUDE APRON IN COST OF ADJUSTMENT)

PAVEMENT MARKINGS

ITEM	UNIT	INTERIM APPLICATION #	FINAL APPLICATION	TOTAL	REMARKS
STRIPING - WHITE PAINT	gallon	62		62	
STRIPING - YELLOW PAINT	gallon	64		64	
WORDS & SYMBOLS - WHITE PAINT	gallon	40		40	
STRIPING - WHITE EPOXY	gallon		41	41	
STRIPING - YELLOW EPOXY	gallon		43	43	
WORDS & SYMBOLS - WHITE EPOXY	gallon		26	26	
CURB MARKINGS - YELLOW EPOXY	gallon		202	202	FOR NEW AND EXISTING CURB
CURB MARKINGS - WHITE EPOXY	gallon		3	3	FOR MT-91 SPLITTER ISLAND
TEMPORARY STRIPING	linear feet			11,012	
FINAL SWEEP AND BROOM	course mile			0.8	

BASED ON 2 APPLICATIONS.

SHEET NO. 07

SUMMARIES

PROJECT NAME MONTANA STREET-DILLON

COUNTY BEAVERHEAD

PROJECT ID STPP 89-1(18)2

UPN 9743000

DESIGNED BY MSU DESIGN 10/2024

REVIEWED BY C. WELBORN 11/2024

CHECKED BY T. JOHNSON 11/2024

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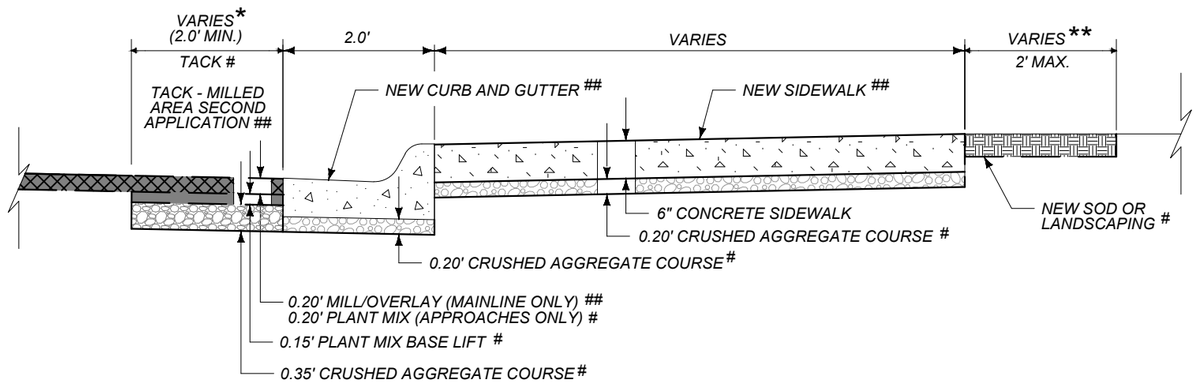
MONTANA Department of Transportation

ROAD PLANS

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DETAIL



CURB, GUTTER & SIDEWALK DETAIL

NOTES:

ITEMS ARE NOT MEASURED FOR PAYMENT AND INCLUDED IN THE COST OF THE NEW ITEMS

MEASURED FOR PAYMENT

* SEE ADA DETAIL SHEETS FOR NEAT LINE OF SAWCUT

** ONLY REMOVE TO A WIDTH OF 2.0' MAX. REPLACE WITH SOD WHEN ADJACENT TO GRASS. REPLACE WITH EQUIVALENT AS INSTRUCTED BY PROJECT MANAGER WHEN ADJACENT TO LANDSCAPING.

SHEET NO. 08

CURB, GUTTER & SIDEWALK DETAIL

PROJECT NAME: MONTANA STREET-DILLON
COUNTY: BEAVERHEAD
PROJECT ID: STPP 89-1(18)2
UPN: 9743000

DESIGNED BY		DETAILED BY		CHECKED BY	
MSU DESIGN	10/2024	C. WELBORN	11/2024	T. JOHNSON	11/2024

MONTANA Department of Transportation

ROAD PLANS

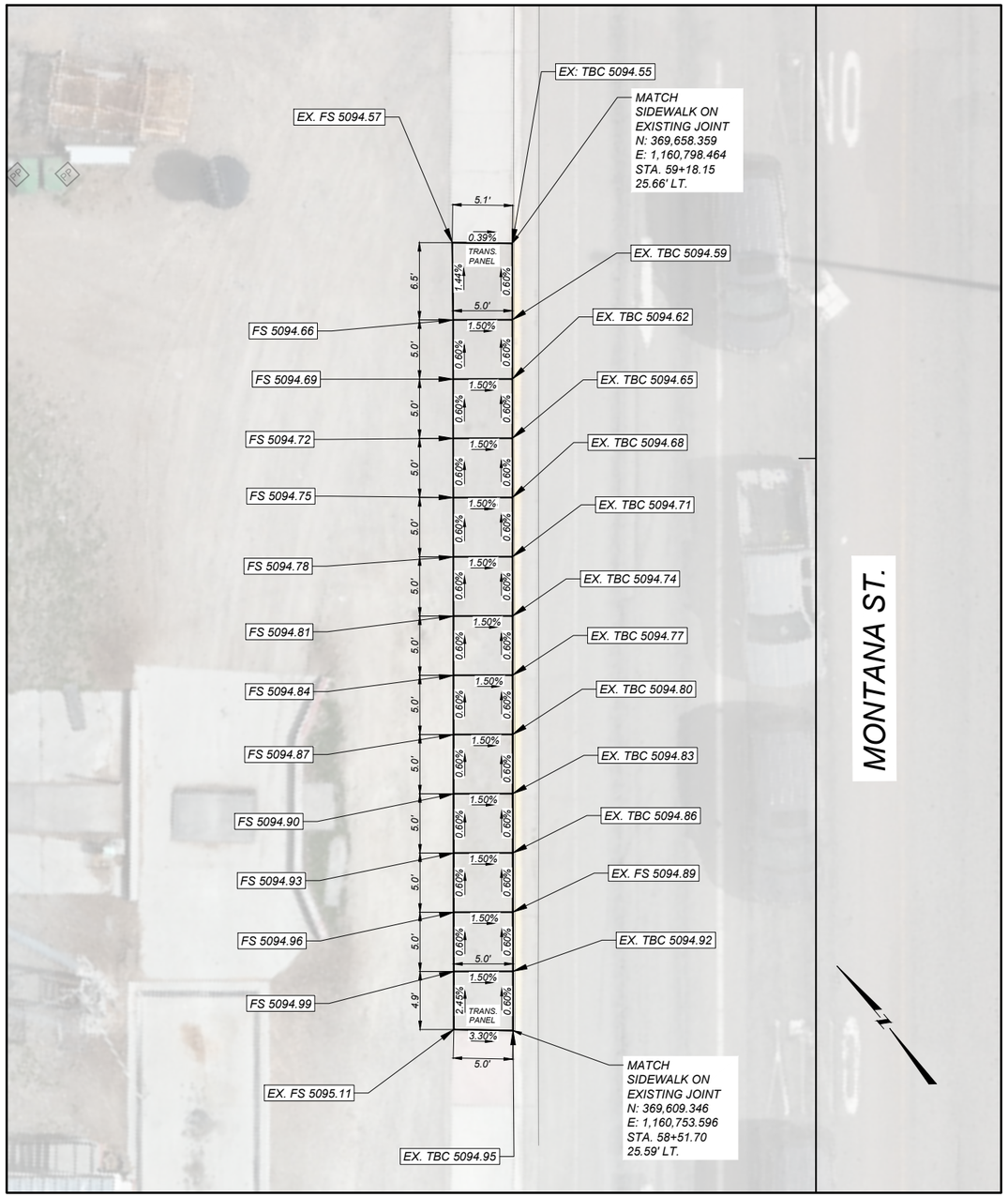
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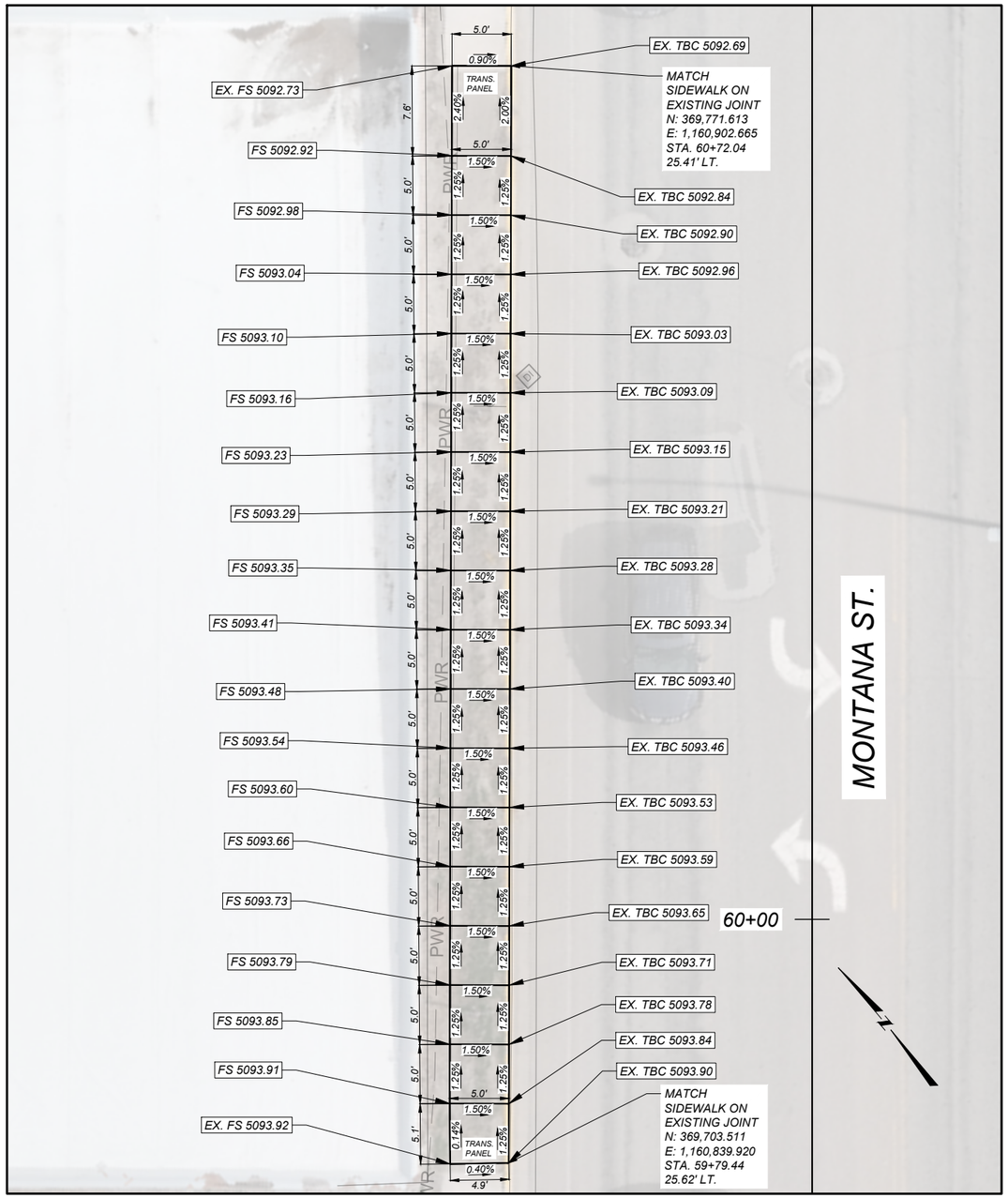
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AWARD COPY

MONTANA ST.
WEST MIDBLOCK SIDEWALK



MONTANA ST.
WEST MIDBLOCK SIDEWALK



LEGEND

FS = FINISHED SURFACE ELEV.
TBC = TOP BACK OF CURB ELEV.
FL = FLOW LINE ELEV.
TRW = TOP OF RETAINING WALL ELEV.
FG = FRONT OF GUTTER ELEV.

DETECTABLE WARNING DEVICES

NOTES:

PROVIDE DETECTABLE WARNING DEVICES ON THE BOTTOM 2.0 FEET OF EACH RAMP AS SHOWN. SEE DTL. DWG. NO. 608-40 FOR DETECTABLE WARNING DEVICES DETAILS.

ALL DIMENSIONS AND ELEVATIONS ARE FEET UNLESS OTHERWISE NOTED.

ALL CURB AND GUTTER DIMENSIONS ARE ALONG TBC.

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.

SEE DETAILED DRAWINGS FOR STANDARD SIDEWALK, CURB & GUTTER AND RETAINING WALL DETAILS.

ROUNDING CRITERIA USED TO DETERMINE THE SLOPES IS DIFFERENT THAN THE ROUNDING CRITERIA FOR THE ELEVATIONS AND DIMENSIONS SHOWN. ALL SLOPES ARE FOR INFORMATIONAL PURPOSES ONLY.

SHEET NO.
09

SIDEWALK DETAILS

PROJECT NAME: MONTANA STREET-DILLON
COUNTY: BEAVERHEAD
PROJECT ID: STPP 89-1(18)2
UPN: 9743000

DESIGNED BY	MSU DESIGN	10/2024	
REVIEWED BY	C. WELBORN	11/2024	
CHECKED BY	T. JOHNSON	11/2024	9743000RDCRR002.DWG

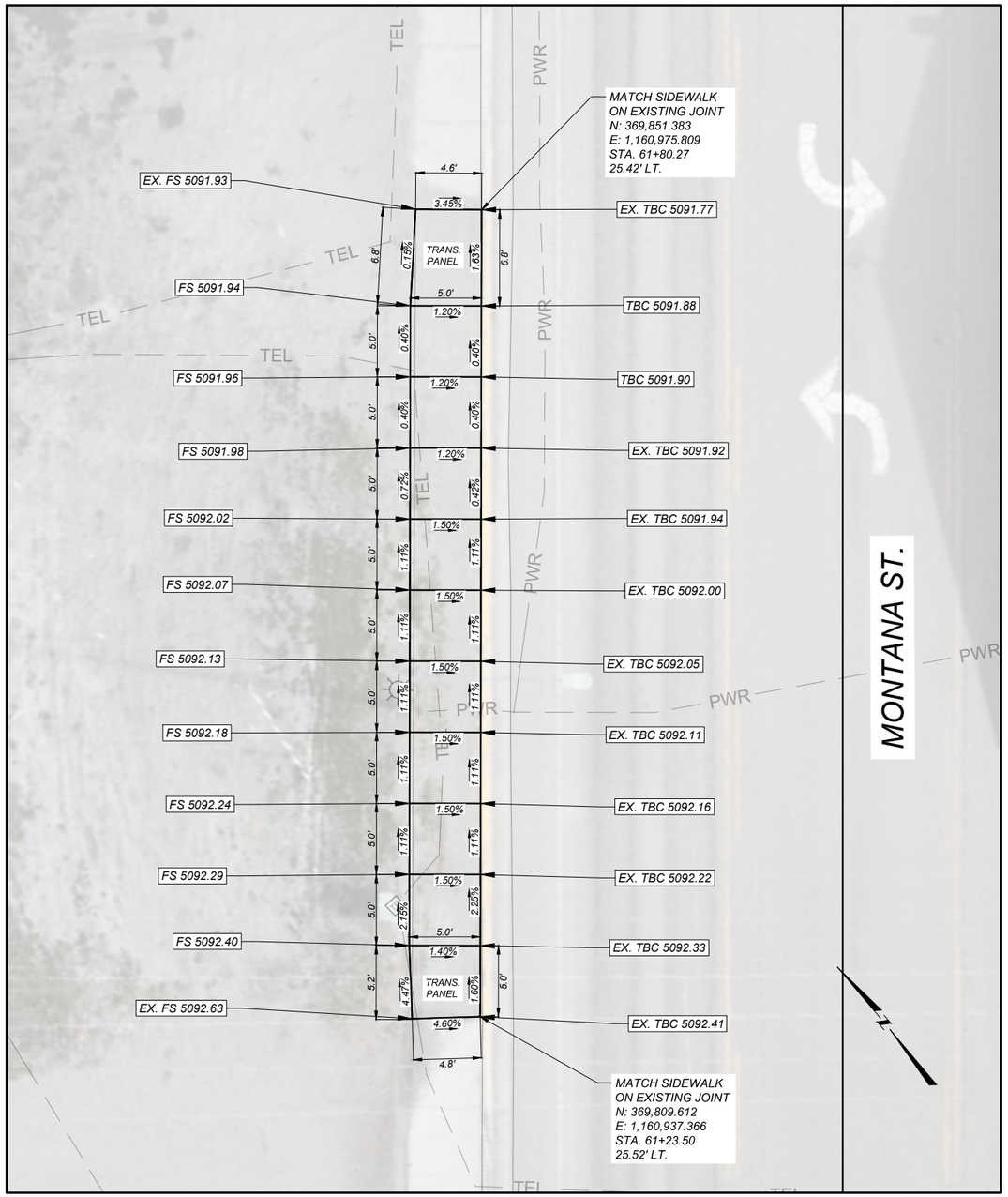
MONTANA
Department of Transportation

ROAD PLANS

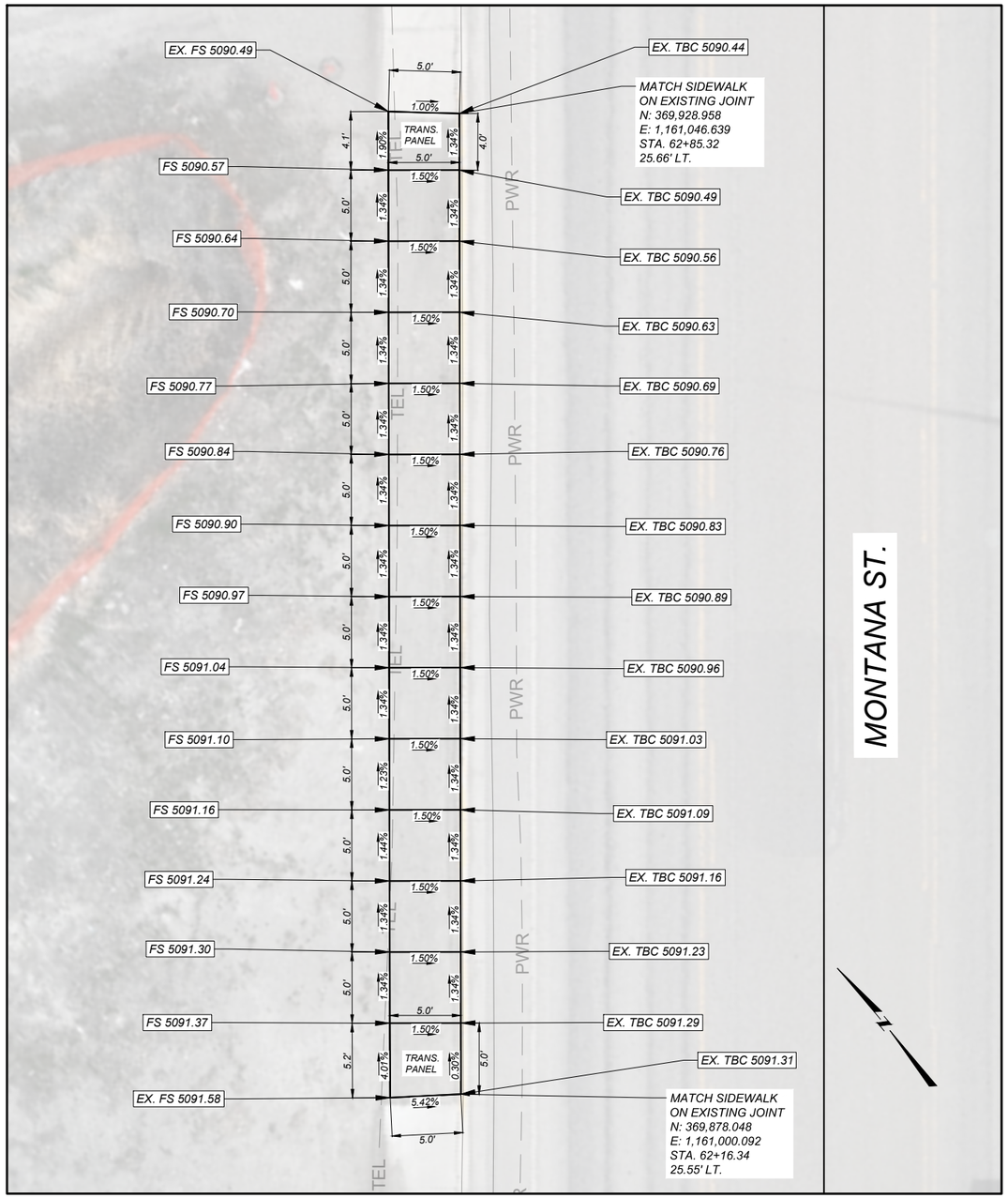
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MONTANA ST.
WEST MIDBLOCK SIDEWALK



MONTANA ST.
WEST MIDBLOCK SIDEWALK



LEGEND

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FG = FRONT OF GUTTER ELEV.

DETECTABLE WARNING DEVICES

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SHEET NO.
10

SIDEWALK DETAILS

PROJECT NAME: MONTANA STREET-DILLON
COUNTY: BEAVERHEAD
PROJECT ID: STPP 89-1(18)2
UPN: 9743000

DESIGNED BY	DATE	REVIEWED BY	DATE	CHECKED BY	DATE
MSU DESIGN	10/2024	C. WELBORN	11/2024	T. JOHNSON	11/2024

9743000RDCRR002.DWG

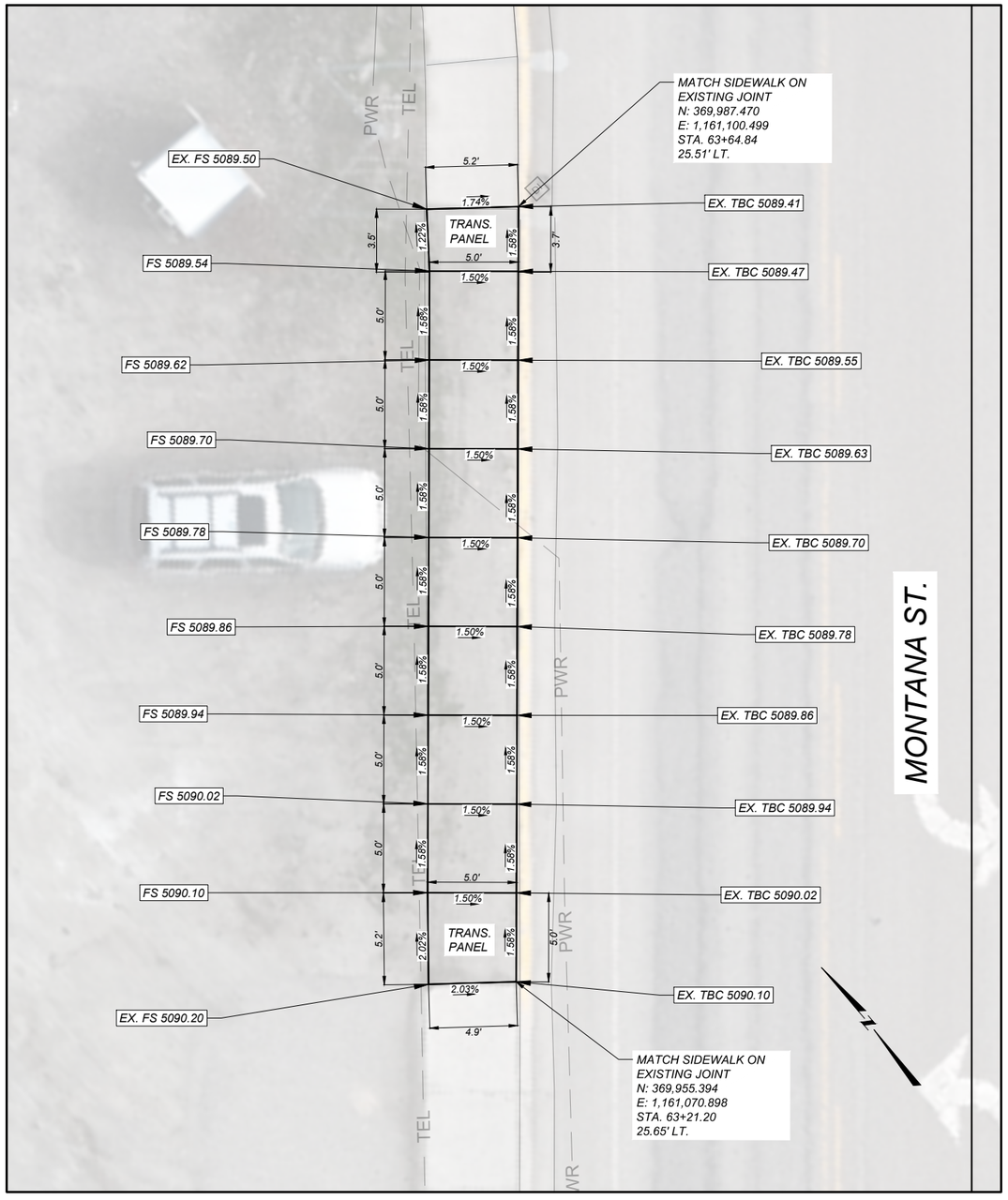
MONTANA
Department of Transportation

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MONTANA ST.
WEST MIDBLOCK SIDEWALK



INTENTIONALLY LEFT BLANK

LEGEND

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TBC = TOP BACK OF CURB ELEV.
FL = FLOW LINE ELEV.
TRW = TOP OF RETAINING WALL ELEV.
FG = FRONT OF GUTTER ELEV.

DETECTABLE WARNING DEVICES

NOTES:

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SHEET NO.
11

SIDEWALK DETAILS

PROJECT NAME: MONTANA STREET-DILLON
COUNTY: BEAVERHEAD
PROJECT ID: STPP 89-1(18)2
UPN: 9743000

DESIGNED BY	10/2024	REVIEWED BY	11/2024
MSU DESIGN		C. WELBORN	
CHECKED BY	11/2024		
T. JOHNSON			

9743000RDCRR002.DWG

MONTANA
Department of Transportation

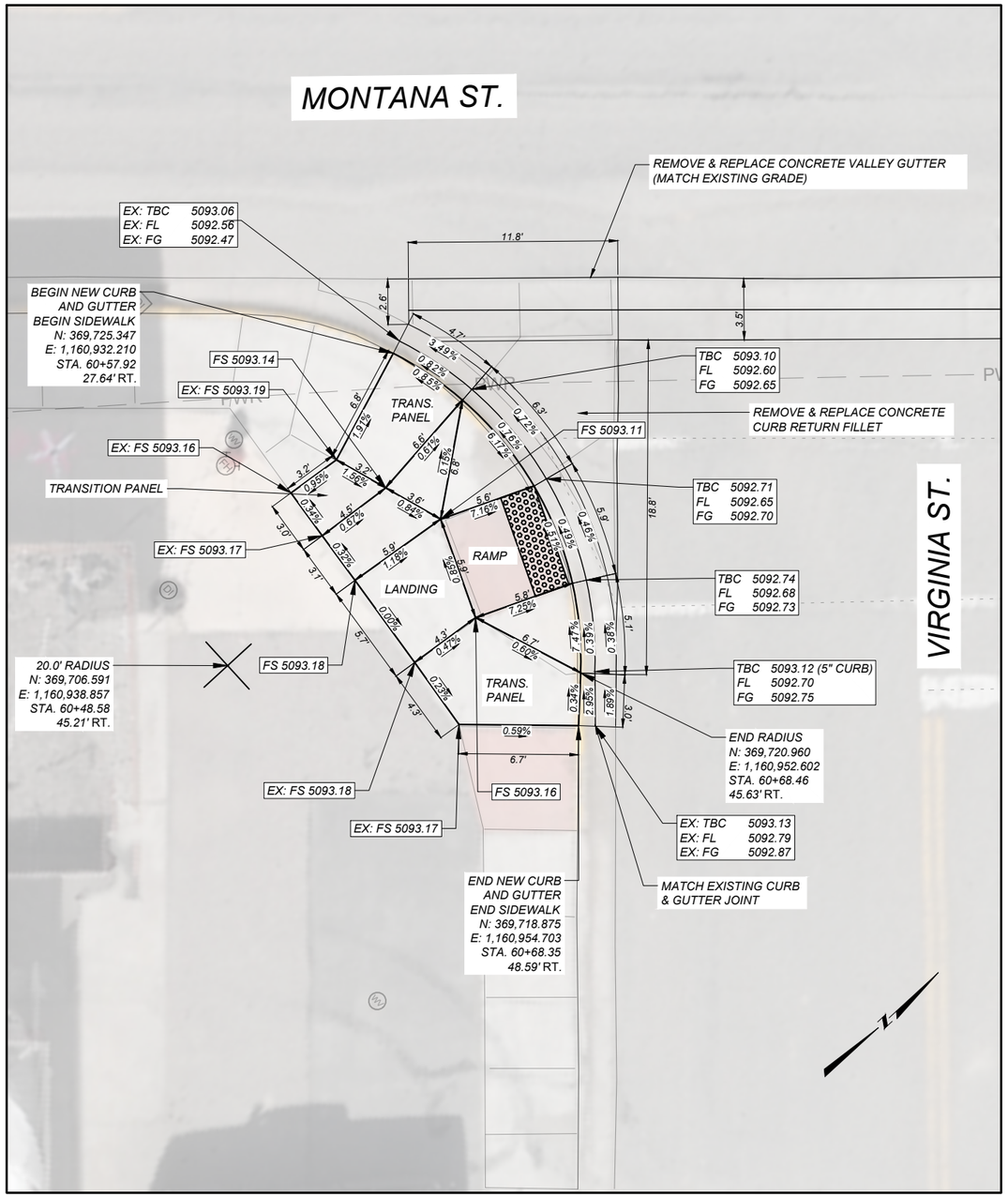
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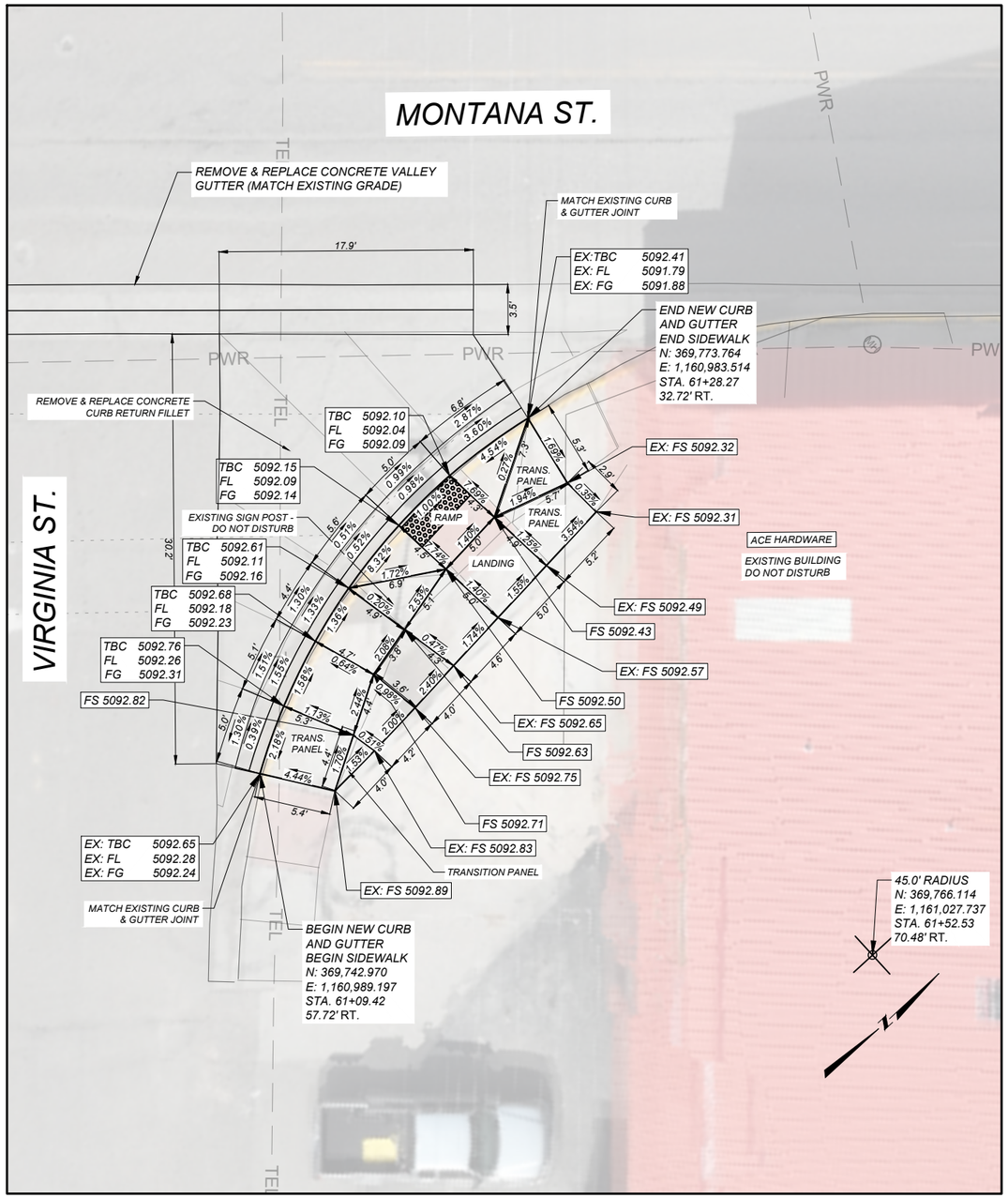
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AWARD COPY

INTERSECTION OF MONTANA ST. - VIRGINIA ST.
SOUTHEAST CORNER



INTERSECTION OF MONTANA ST. - VIRGINIA ST.
NORTHEAST CORNER



LEGEND

FS = FINISHED SURFACE ELEV.
TBC = TOP BACK OF CURB ELEV.
FL = FLOW LINE ELEV.
TRW = TOP OF RETAINING WALL ELEV.
FG = FRONT OF GUTTER ELEV.

DETECTABLE WARNING DEVICES

NOTES:

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SHEET NO. 12

CURB RAMP DETAILS

PROJECT NAME: MONTANA STREET-DILLON
COUNTY: BEAVERHEAD
PROJECT ID: STPP 89-1(18)2
UPN: 9743000

DESIGNED BY	10/2024
MSU DESIGN	
REVIEWED BY	11/2024
C. WELBORN	
CHECKED BY	11/2024
T. JOHNSON	

9743000RDCRR003.DWG

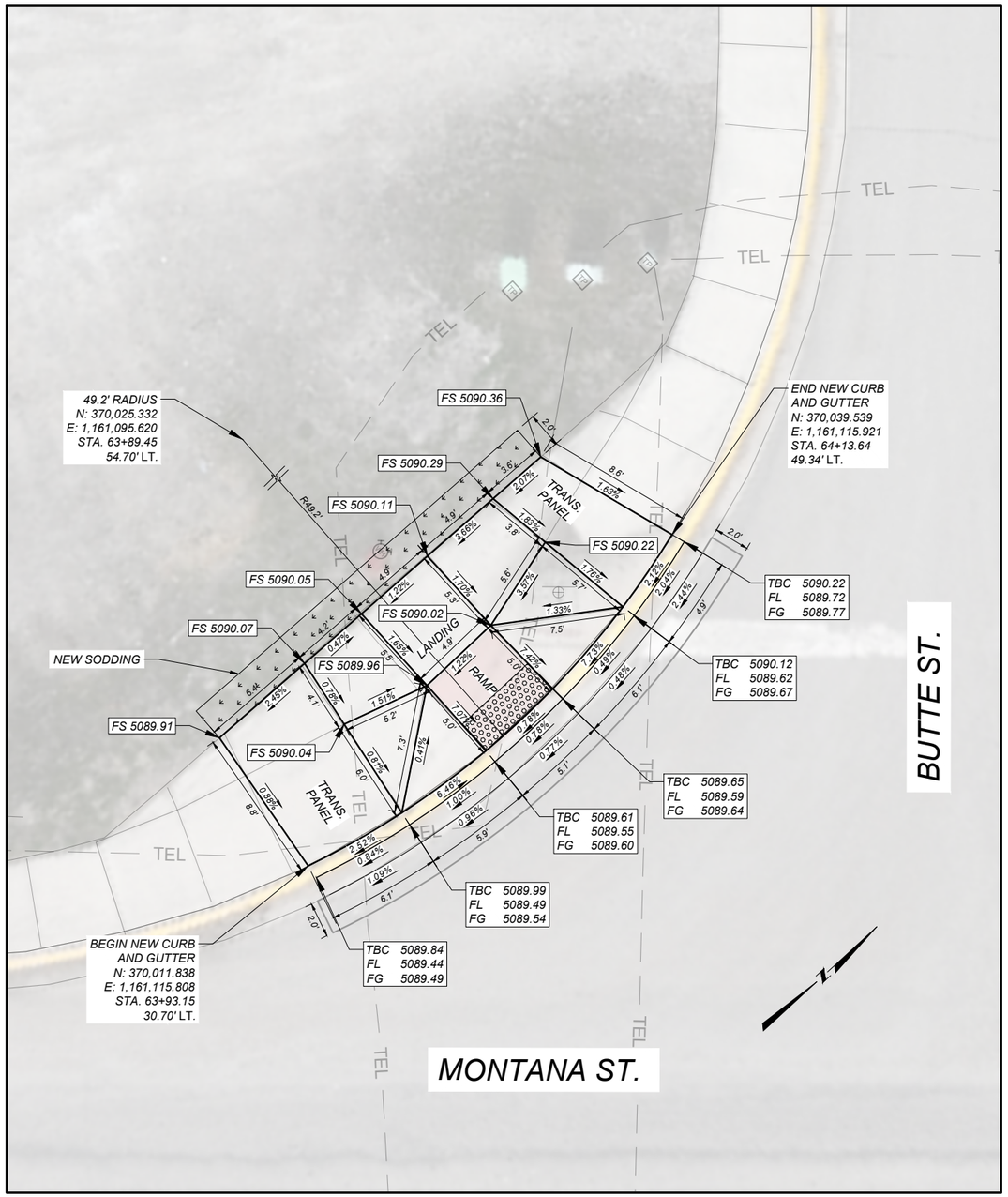
MONTANA Department of Transportation

ROAD PLANS

12/31/2024 11:34 AM

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INTERSECTION OF MONTANA ST. - BUTTE ST.
SOUTHWEST CORNER



INTENTIONALLY LEFT BLANK

LEGEND

FS = FINISHED SURFACE ELEV.
TBC = TOP BACK OF CURB ELEV.
FL = FLOW LINE ELEV.
TRW = TOP OF RETAINING WALL ELEV.
FG = FRONT OF GUTTER ELEV.

DETECTABLE WARNING DEVICES

NOTES:

PROVIDE DETECTABLE WARNING DEVICES ON THE BOTTOM 2.0 FEET OF EACH RAMP AS SHOWN. SEE DTL. DWG. NO. 608-40 FOR DETECTABLE WARNING DEVICES DETAILS.

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SEE DETAILED DRAWINGS FOR STANDARD SIDEWALK, CURB & GUTTER AND RETAINING WALL DETAILS.

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SHEET NO. 13

CURB RAMP DETAILS

PROJECT NAME MONTANA STREET-DILLON
COUNTY BEAVERHEAD
PROJECT ID STPP 89-1(18)2
UPN 9743000

DESIGNED BY	10/2024
MSLI DESIGN	
REVIEWED BY	11/2024
C. WELBORN	
CHECKED BY	11/2024
T. JOHNSON	

9743000RDCRR004.DWG

MONTANA Department of Transportation

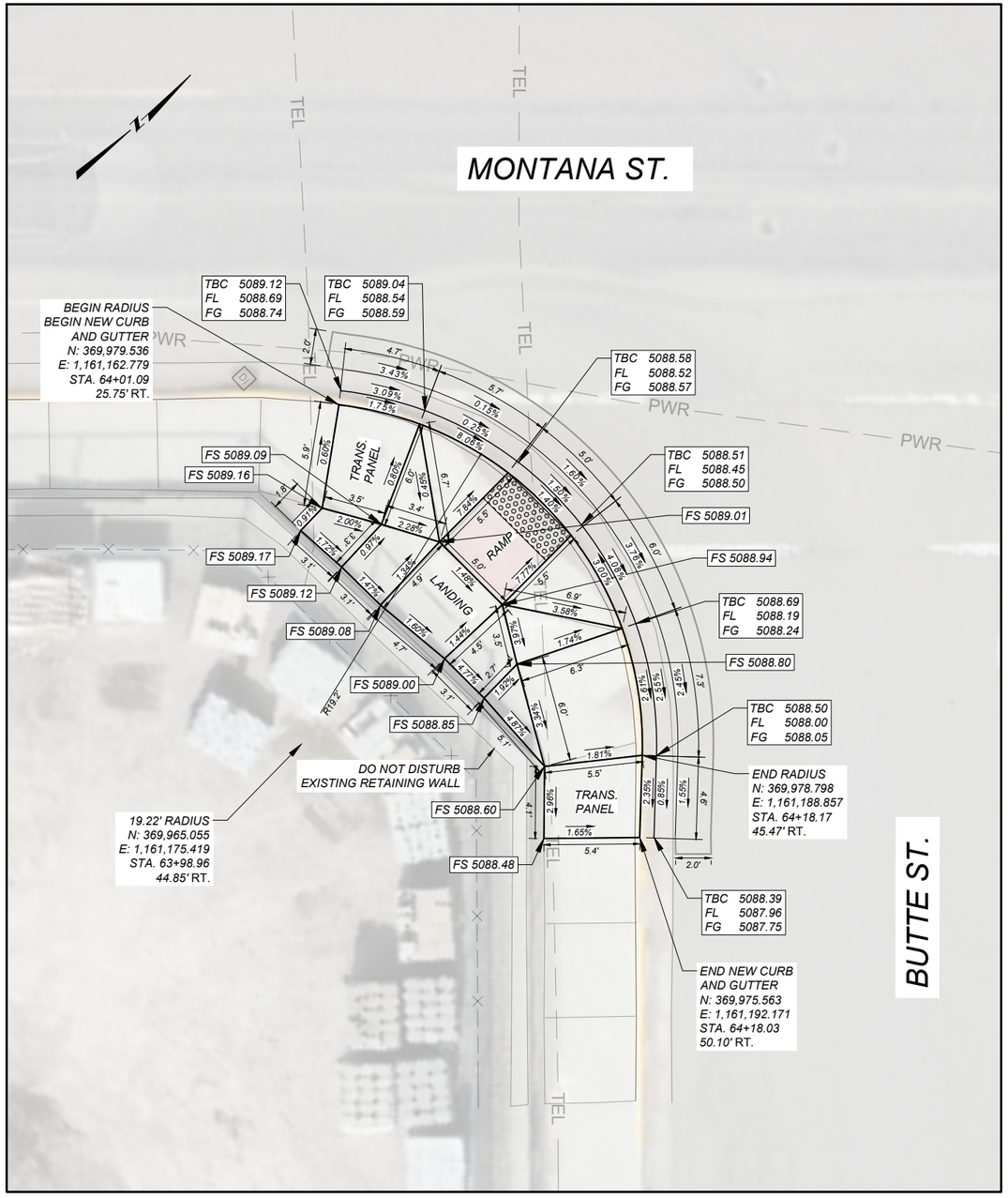
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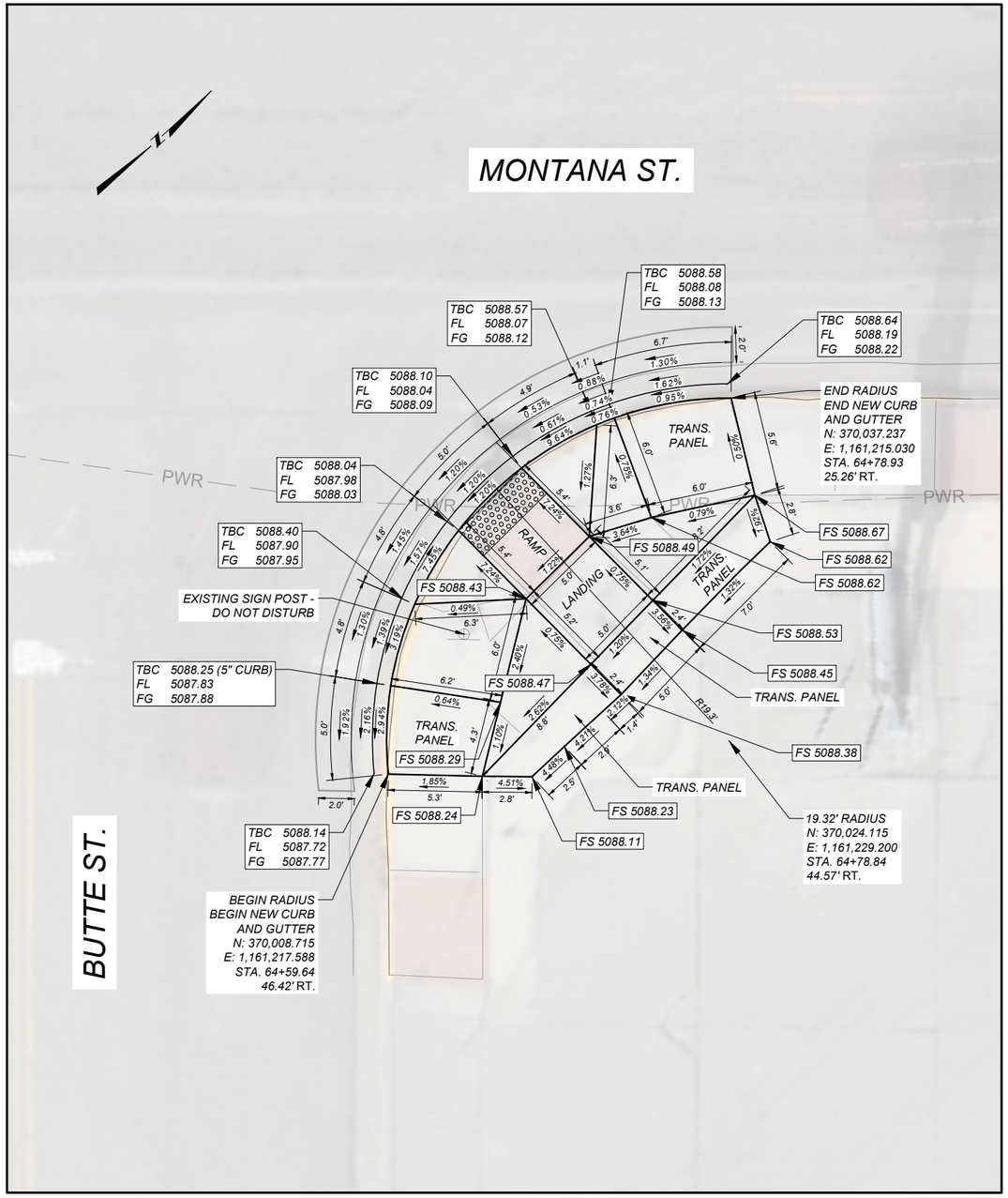
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AWARD COPY

INTERSECTION OF MONTANA ST. - BUTTE ST.
SOUTHEAST CORNER



INTERSECTION OF MONTANA ST. - BUTTE ST.
NORTHEAST CORNER



LEGEND

FS = FINISHED SURFACE ELEV.
TBC = TOP BACK OF CURB ELEV.
FL = FLOW LINE ELEV.
TRW = TOP OF RETAINING WALL ELEV.
FG = FRONT OF GUTTER ELEV.

DETECTABLE WARNING DEVICES

NOTES:

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SHEET NO.
14

CURB RAMP DETAILS

PROJECT NAME: MONTANA STREET-DILLON
COUNTY: BEAVERHEAD
PROJECT ID: STPP 89-1(18)2
UPN: 9743000

DESIGNED BY	MSU DESIGN	10/2024
REVIEWED BY	C. WELBORN	11/2024
CHECKED BY	T. JOHNSON	11/2024

9743000RDCRR004.DWG

MONTANA
Department of Transportation

ROAD PLANS

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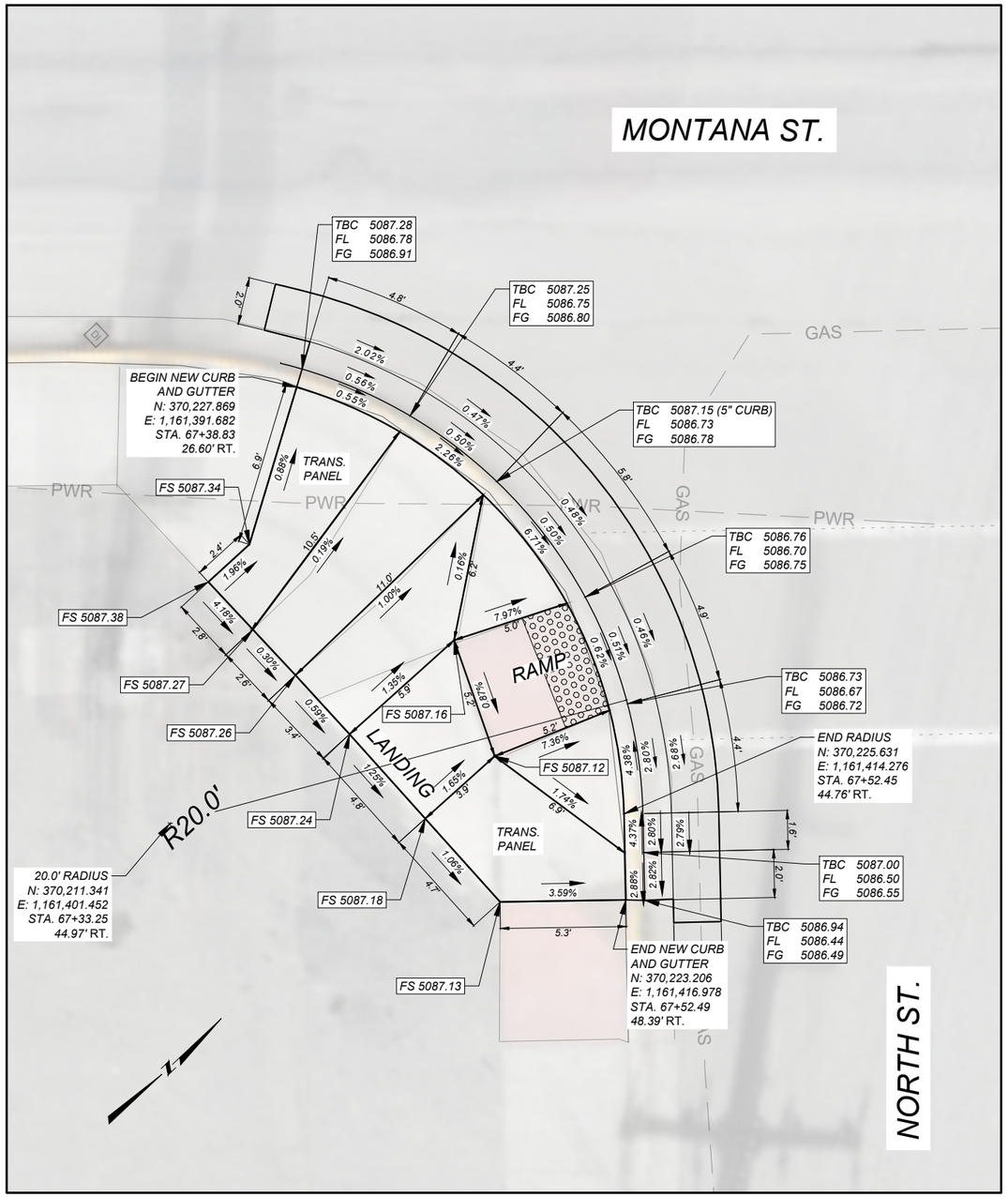
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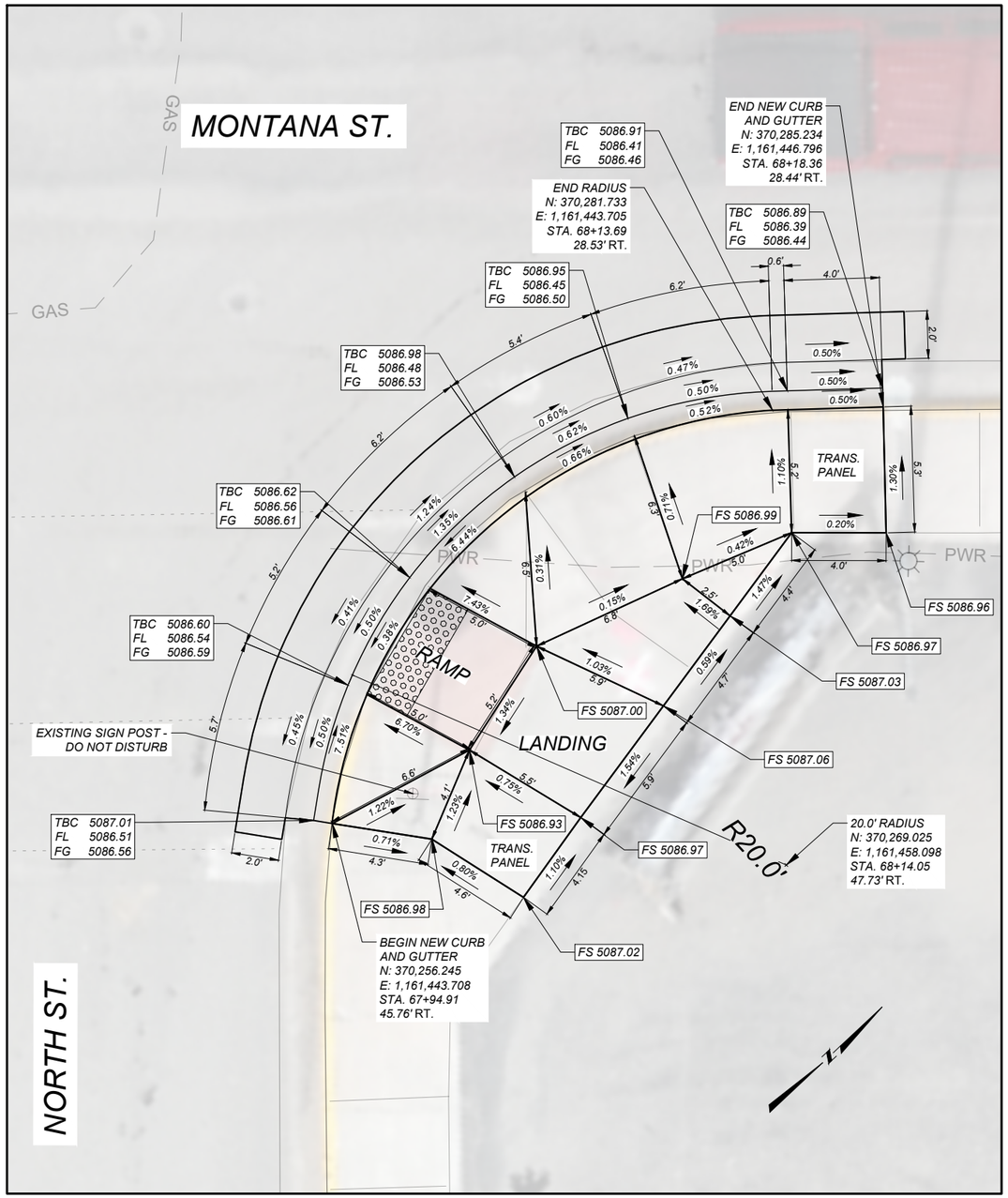
FPR

PRELIMINARY

INTERSECTION OF MONTANA ST. - NORTH ST.
SOUTHEAST CORNER



INTERSECTION OF MONTANA ST. - NORTH ST.
NORTHEAST CORNER



LEGEND

FS = FINISHED SURFACE ELEV.
TBC = TOP BACK OF CURB ELEV.
FL = FLOW LINE ELEV.
TRW = TOP OF RETAINING WALL ELEV.
FG = FRONT OF GUTTER ELEV.

DETECTABLE WARNING DEVICES

NOTES:

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SHEET NO. 15

CURB RAMP DETAILS

PROJECT NAME	MONTANA STREET-DILLON
COUNTY	BEAVERHEAD
PROJECT ID	STPP 89-1(18)2 9743000
UPN	9743000RDCRR005.DWG

DESIGNED BY	MSU DESIGN	10/2024
REVIEWED BY	C. WELBORN	11/2024
CHECKED BY	T. JOHNSON	11/2024

MONTANA Department of Transportation

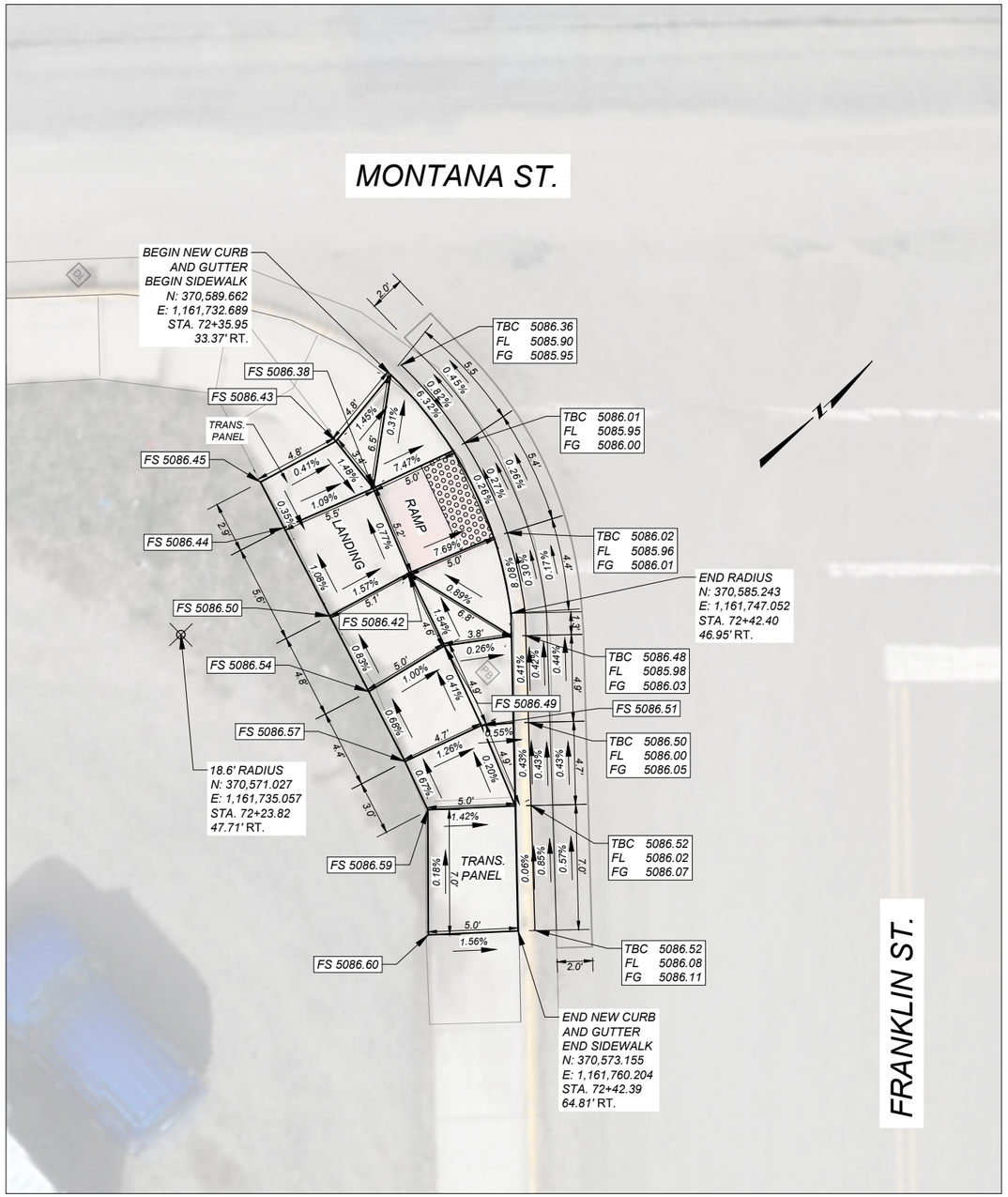
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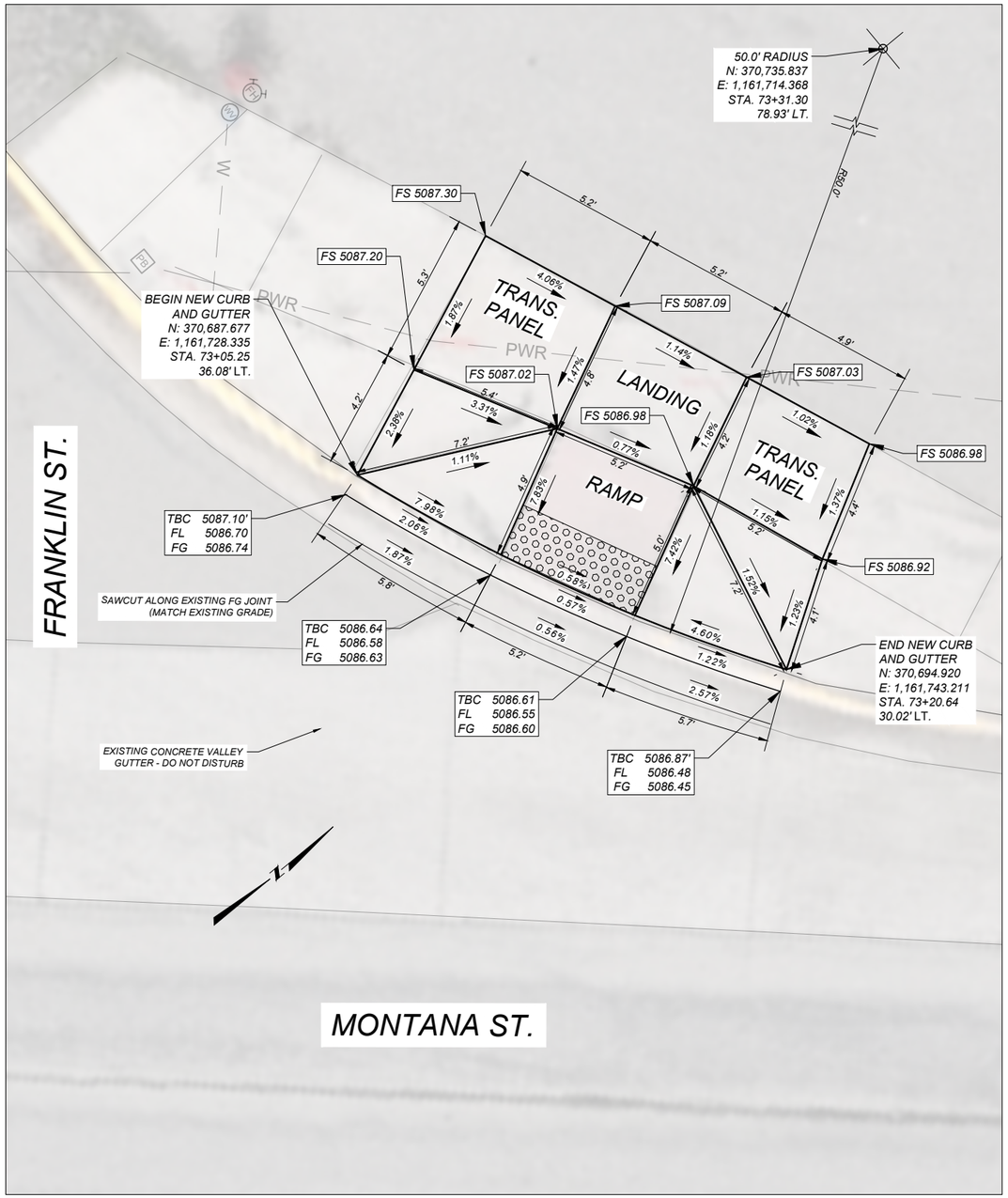
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AWARD COPY

INTERSECTION OF MONTANA ST. - FRANKLIN ST.
SOUTHEAST CORNER



INTERSECTION OF MONTANA ST. - FRANKLIN ST.
NORTHWEST CORNER



LEGEND

FS = FINISHED SURFACE ELEV.
TBC = TOP BACK OF CURB ELEV.
FL = FLOW LINE ELEV.
TRW = TOP OF RETAINING WALL ELEV.
FG = FRONT OF GUTTER ELEV.

DETECTABLE WARNING DEVICES

NOTES:

PROVIDE DETECTABLE WARNING DEVICES ON THE BOTTOM 2.0 FEET OF EACH RAMP AS SHOWN. SEE DTL. DWG. NO. 608-40 FOR DETECTABLE WARNING DEVICES DETAILS.

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SHEET NO. 16

CURB RAMP DETAILS

PROJECT NAME: MONTANA STREET-DILLON
COUNTY: BEAVERHEAD
PROJECT ID: STPP 89-1(18)2
UPN: 9743000

DESIGNED BY	DATE
MSU DESIGN	10/2024
REVIEWED BY	DATE
C. WELBORN	11/2024
CHECKED BY	DATE
T. JOHNSON	11/2024

9743000RDCRR006.DWG

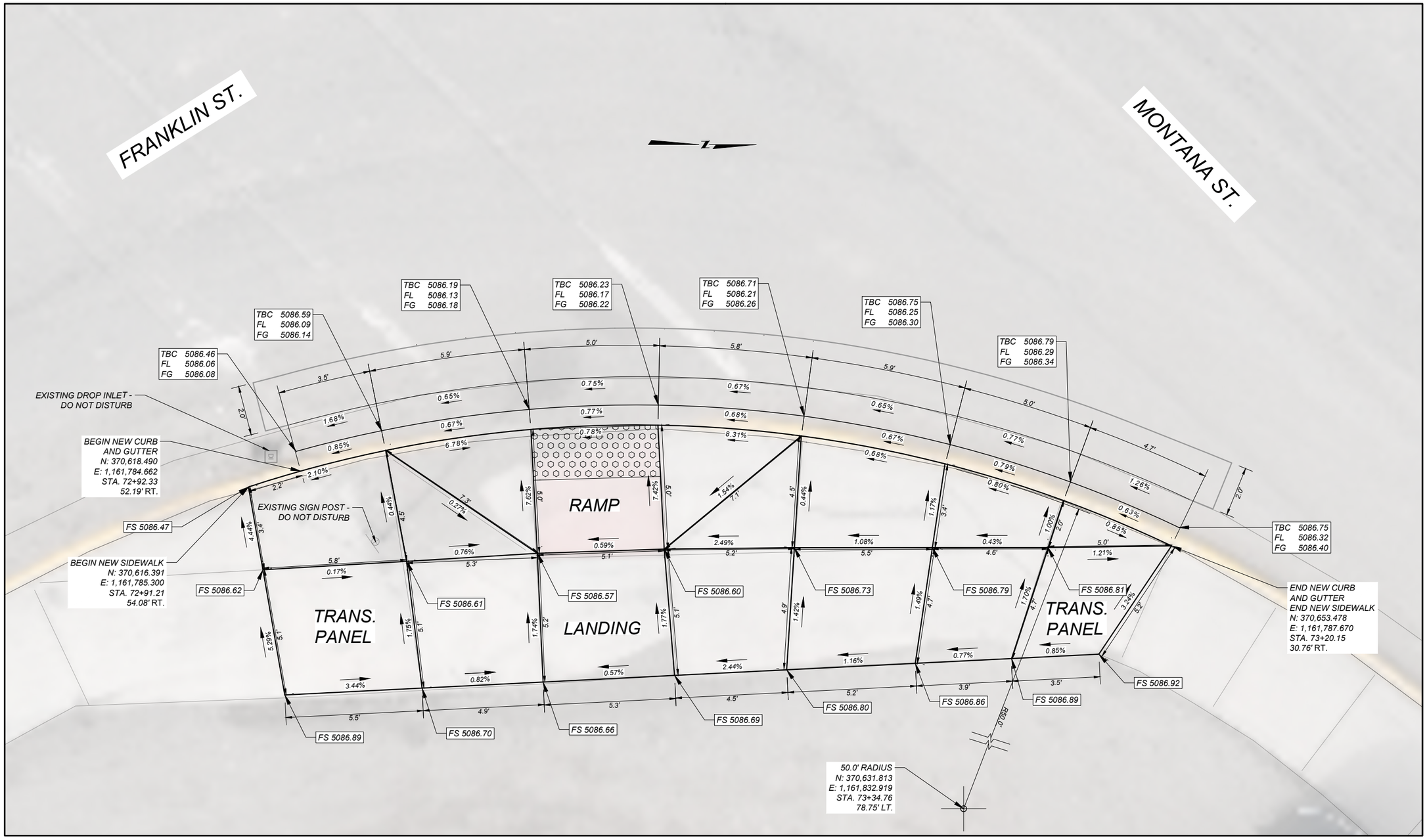
MONTANA Department of Transportation

ROAD PLANS

12/31/2024 9:19 AM

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INTERSECTION OF MONTANA ST. - FRANKLIN ST.
NORTHEAST CORNER



LEGEND

FS = FINISHED SURFACE ELEV.
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FL = FLOW LINE ELEV.
TRW = TOP OF RETAINING WALL ELEV.
FG = FRONT OF GUTTER ELEV.

DETECTABLE WARNING DEVICES

NOTES:

PROVIDE DETECTABLE WARNING DEVICES ON THE BOTTOM 2.0 FEET OF EACH RAMP AS SHOWN. SEE DTL. DWG. NO. 608-40 FOR DETECTABLE WARNING DEVICES DETAILS.

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SHEET NO. 17

CURB RAMP DETAILS

PROJECT NAME: MONTANA STREET-DILLON
COUNTY: BEAVERHEAD
PROJECT ID: STPP 89-1(18)2
UPN: 9743000

DESIGNED BY	DATE
MSU DESIGN	10/2024
REVIEWED BY	DATE
C. WELBORN	11/2024
CHECKED BY	DATE
T. JOHNSON	11/2024

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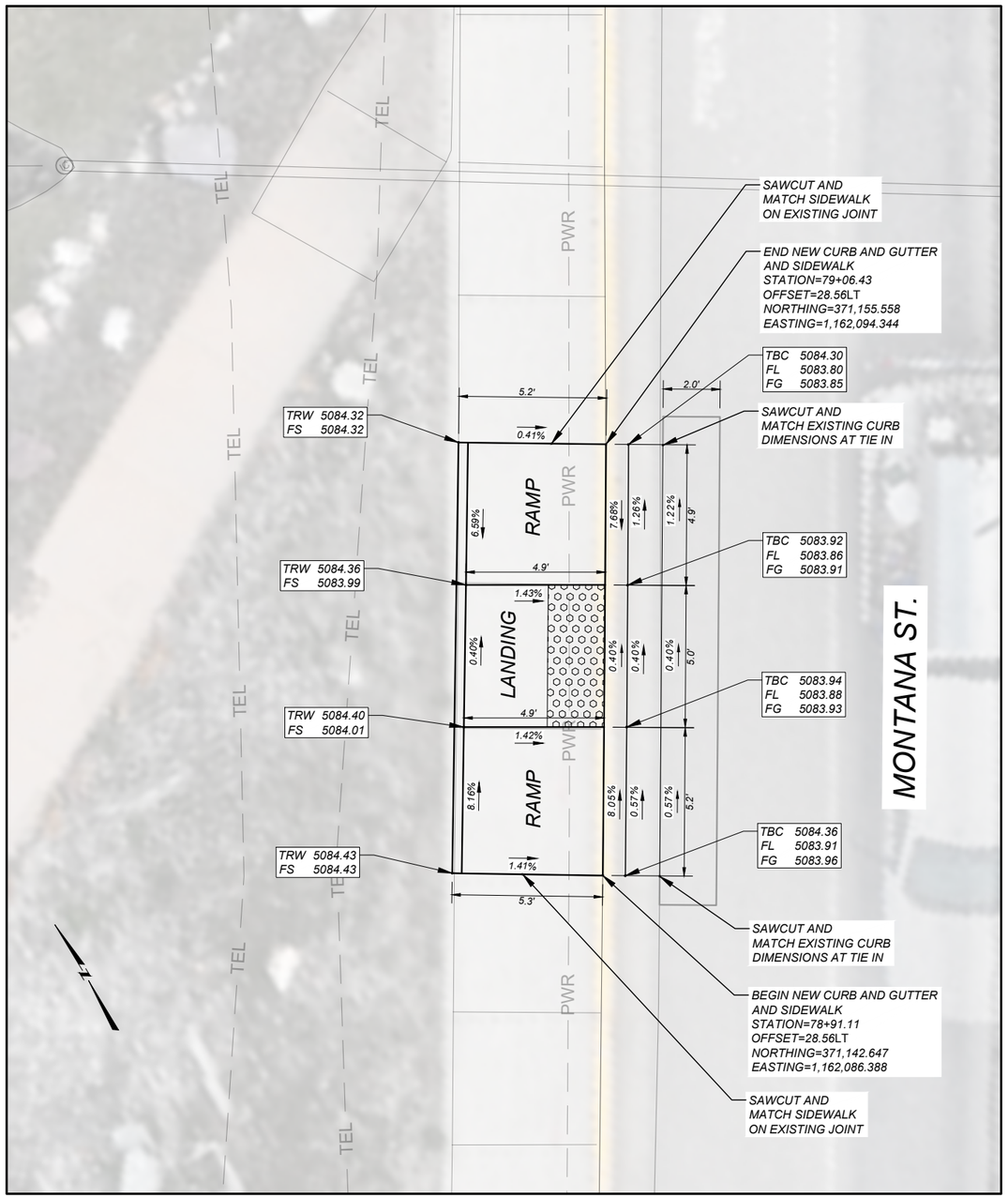
MONTANA Department of Transportation

ROAD PLANS

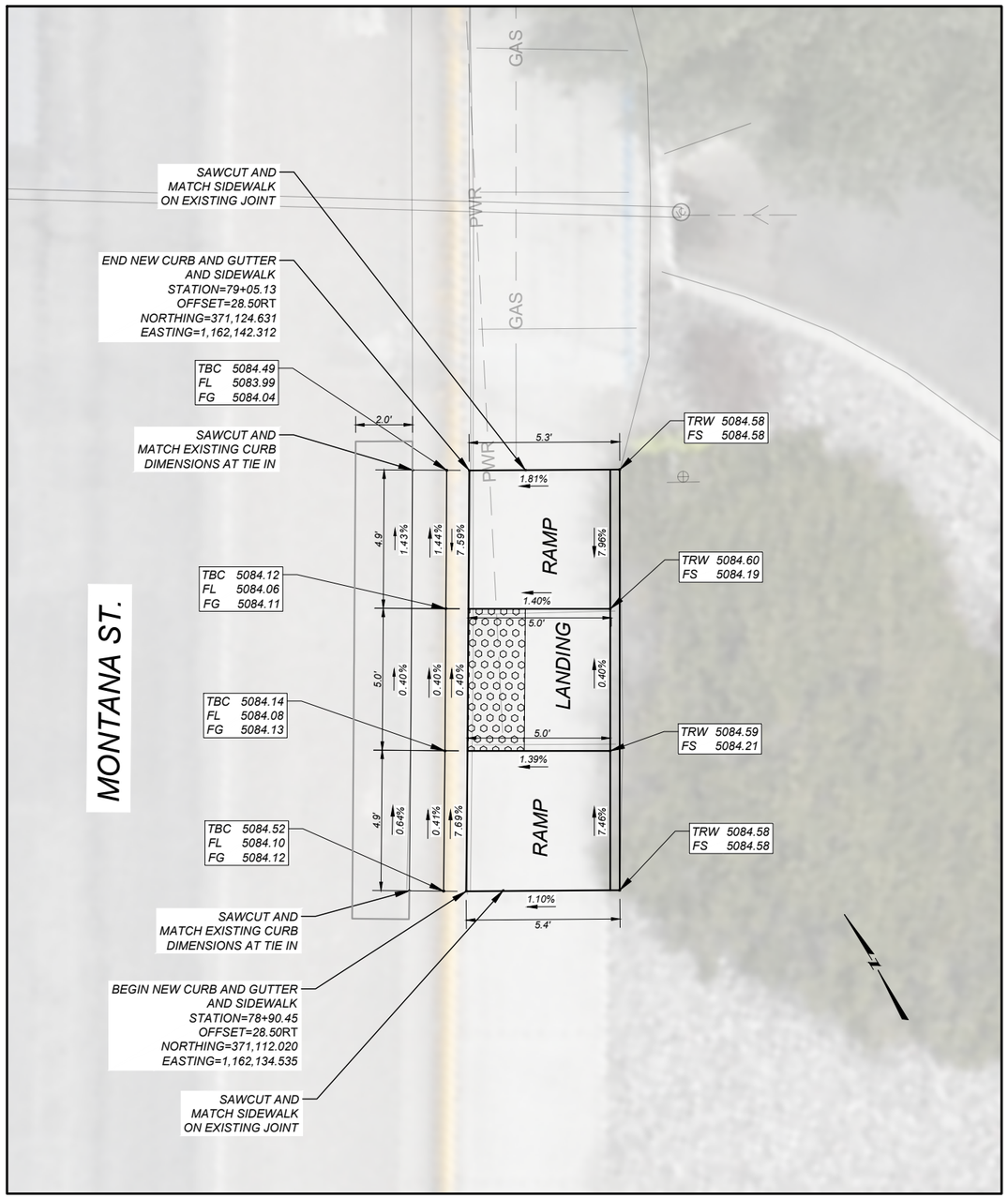
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MONTANA ST. BETWEEN FRANKLIN ST. & HOLLYWOOD ST.
WEST MIDBLOCK



MONTANA ST. BETWEEN FRANKLIN ST. & HOLLYWOOD ST.
EAST MIDBLOCK



LEGEND

FS = FINISHED SURFACE ELEV.
TBC = TOP BACK OF CURB ELEV.
FL = FLOW LINE ELEV.
TRW = TOP OF RETAINING WALL ELEV.
FG = FRONT OF GUTTER ELEV.

DETECTABLE WARNING DEVICES

NOTES:

PROVIDE DETECTABLE WARNING DEVICES ON THE BOTTOM 2.0 FEET OF EACH RAMP AS SHOWN. SEE DTL. DWG. NO. 608-40 FOR DETECTABLE WARNING DEVICES DETAILS.

ALL DIMENSIONS AND ELEVATIONS ARE FEET UNLESS OTHERWISE NOTED.

ALL CURB AND GUTTER DIMENSIONS ARE ALONG TBC.

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.

SEE DETAILED DRAWINGS FOR STANDARD SIDEWALK, CURB & GUTTER AND RETAINING WALL DETAILS.

ROUNDING CRITERIA USED TO DETERMINE THE SLOPES IS DIFFERENT THAN THE ROUNDING CRITERIA FOR THE ELEVATIONS AND DIMENSIONS SHOWN. ALL SLOPES ARE FOR INFORMATIONAL PURPOSES ONLY.

SHEET NO. 18

CURB RAMP DETAILS

PROJECT NAME: MONTANA STREET-DILLON
COUNTY: BEAVERHEAD
PROJECT ID: STPP 89-1(18)2
UPN: 9743000

DESIGNED BY: MSU DESIGN 10/2024
REVIEWED BY: C. WELBORN 11/2024
CHECKED BY: T. JOHNSON 11/2024

MONTANA Department of Transportation

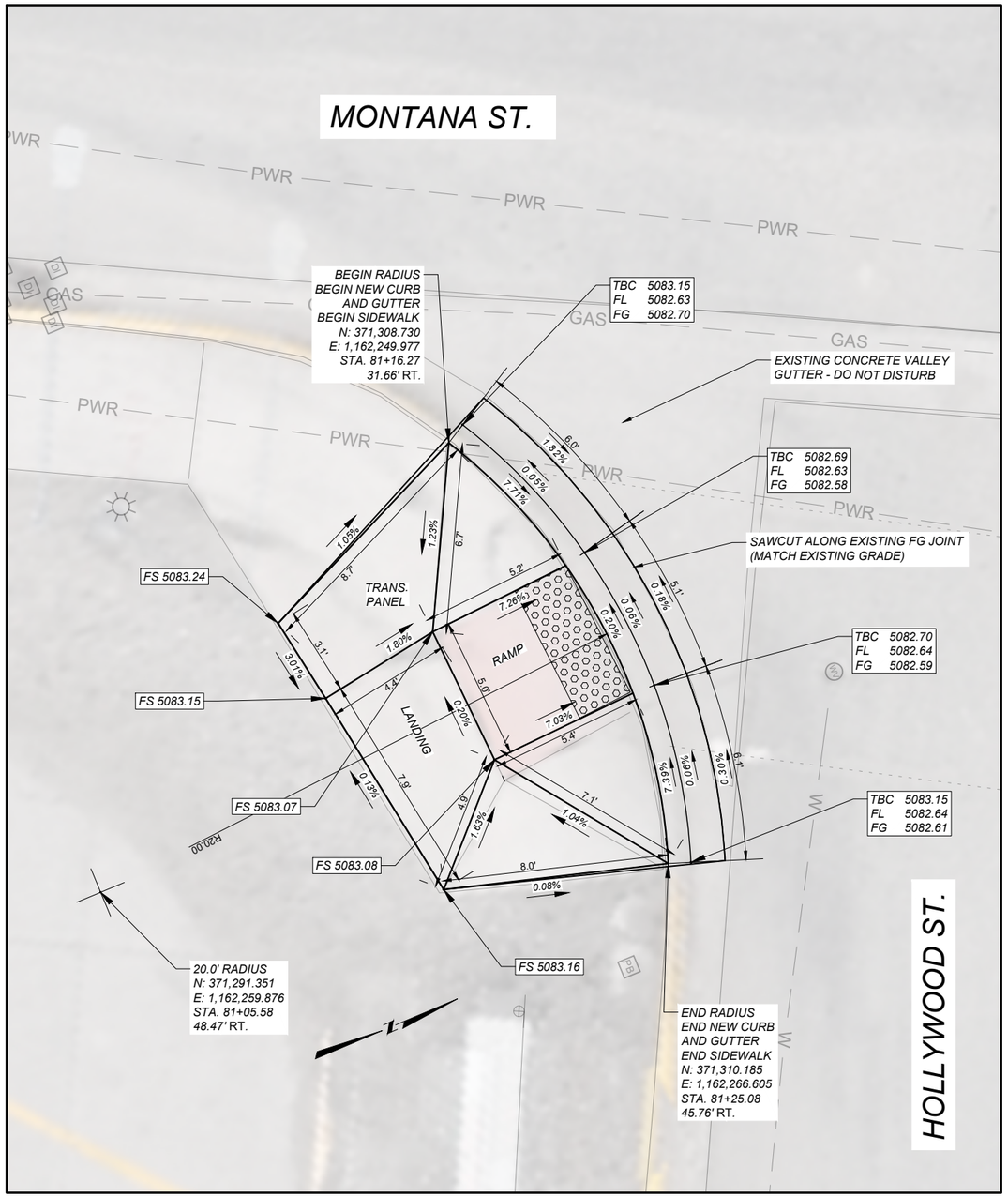
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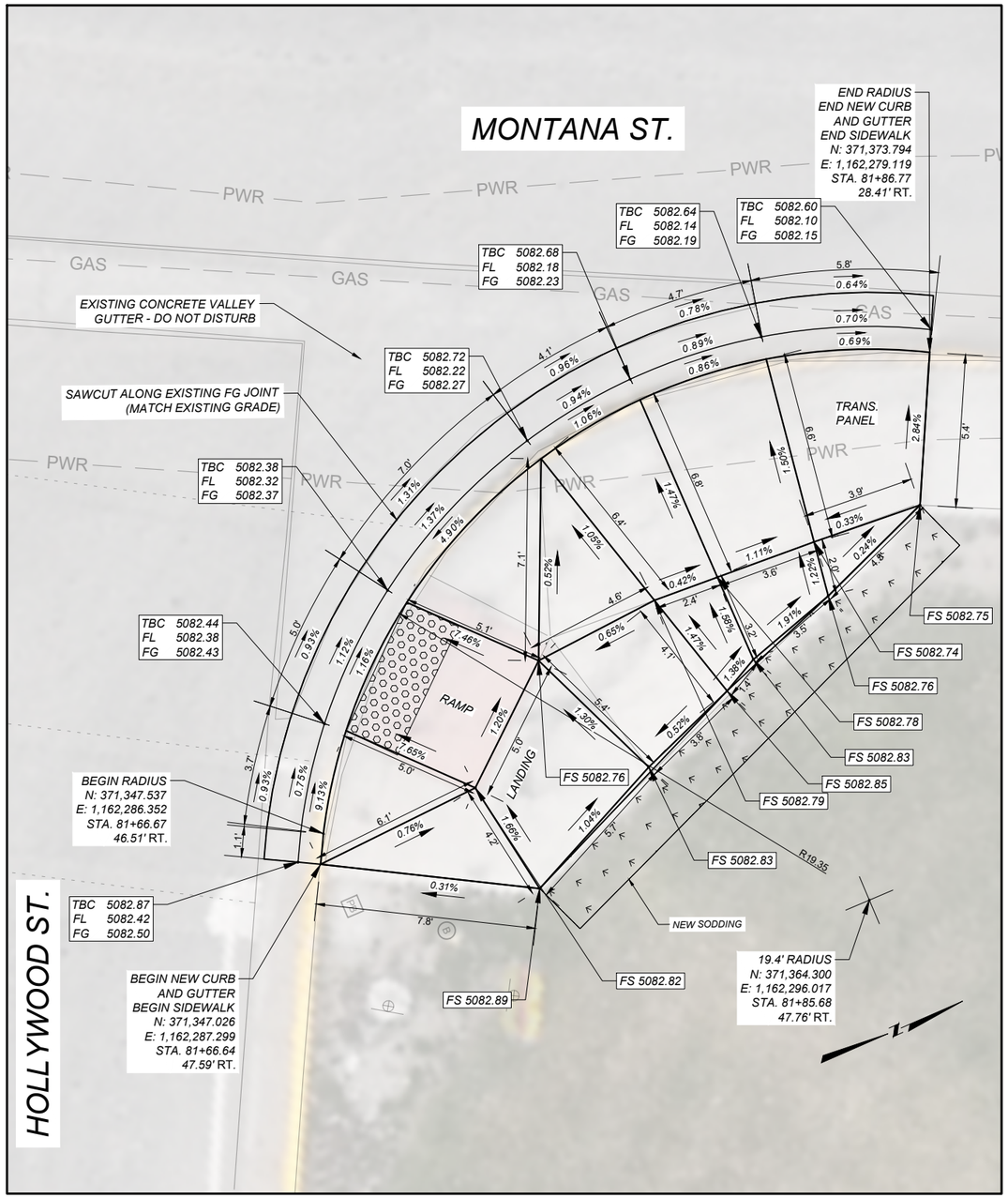
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AWARD COPY

INTERSECTION OF MONTANA ST. - HOLLYWOOD ST.
SOUTHEAST CORNER



INTERSECTION OF MONTANA ST. - HOLLYWOOD ST.
NORTHEAST CORNER



LEGEND

FS = FINISHED SURFACE ELEV.
TBC = TOP BACK OF CURB ELEV.
FL = FLOW LINE ELEV.
TRW = TOP OF RETAINING WALL ELEV.
FG = FRONT OF GUTTER ELEV.

DETECTABLE WARNING DEVICES

NOTES:

PROVIDE DETECTABLE WARNING DEVICES ON THE BOTTOM 2.0 FEET OF EACH RAMP AS SHOWN. SEE DTL. DWG. NO. 608-40 FOR DETECTABLE WARNING DEVICES DETAILS.

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SEE DETAILED DRAWINGS FOR STANDARD SIDEWALK, CURB & GUTTER AND RETAINING WALL DETAILS.

ROUNDING CRITERIA USED TO DETERMINE THE SLOPES IS DIFFERENT THAN THE ROUNDING CRITERIA FOR THE ELEVATIONS AND DIMENSIONS SHOWN. ALL SLOPES ARE FOR INFORMATIONAL PURPOSES ONLY.

SHEET NO. 19

CURB RAMP DETAILS

DESIGNED BY	MSU DESIGN	10/2024	
REVIEWED BY	C. WELBORN	11/2024	
CHECKED BY	T. JOHNSON	11/2024	

PROJECT NAME: MONTANA STREET-DILLON
COUNTY: BEAVERHEAD
PROJECT ID: STPP 89-1(18)2
UPN: 9743000
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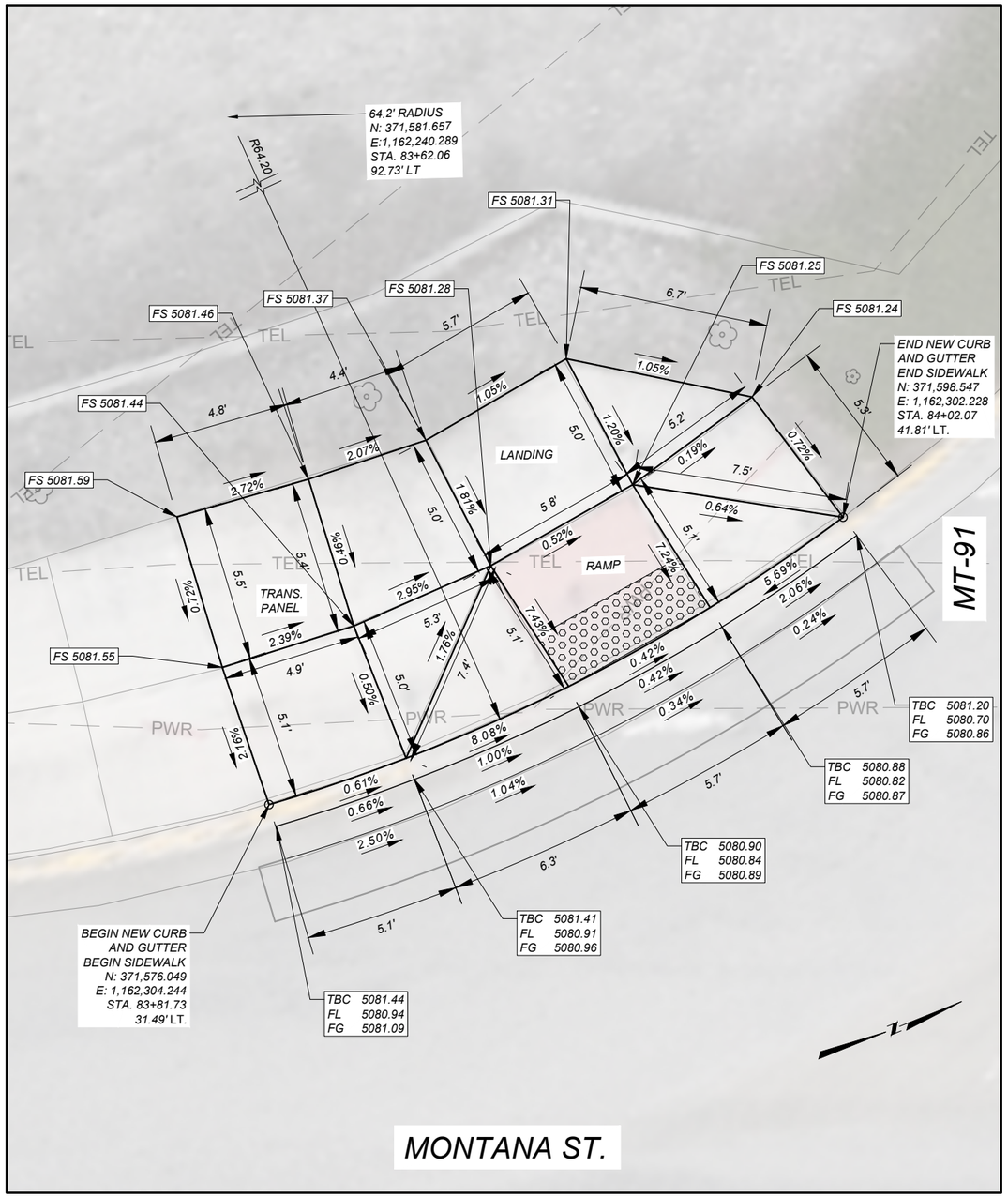
MONTANA Department of Transportation

ROAD PLANS

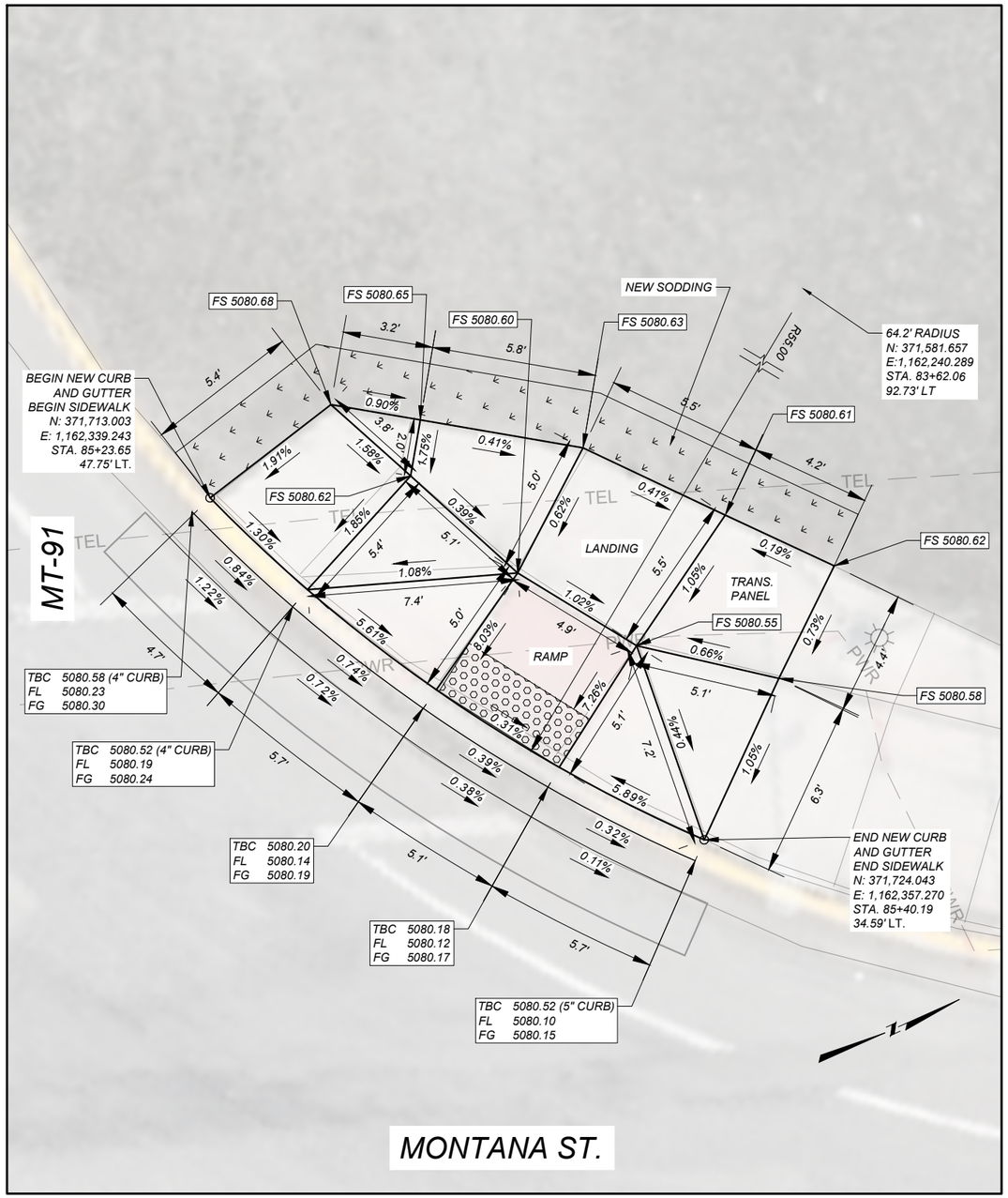
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INTERSECTION OF MONTANA ST. - MT-91
SOUTHWEST CORNER



INTERSECTION OF MONTANA ST. - MT-91
NORTHWEST CORNER



LEGEND

FS = FINISHED SURFACE ELEV.
TBC = TOP BACK OF CURB ELEV.
FL = FLOW LINE ELEV.
TRW = TOP OF RETAINING WALL ELEV.
FG = FRONT OF GUTTER ELEV.

DETECTABLE WARNING DEVICES

NOTES:

PROVIDE DETECTABLE WARNING DEVICES ON THE BOTTOM 2.0 FEET OF EACH RAMP AS SHOWN. SEE DTL. DWG. NO. 608-40 FOR DETECTABLE WARNING DEVICES DETAILS.

ALL DIMENSIONS AND ELEVATIONS ARE FEET UNLESS OTHERWISE NOTED.

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SEE DETAILED DRAWINGS FOR STANDARD SIDEWALK, CURB & GUTTER AND RETAINING WALL DETAILS.

ROUNDING CRITERIA USED TO DETERMINE THE SLOPES IS DIFFERENT THAN THE ROUNDING CRITERIA FOR THE ELEVATIONS AND DIMENSIONS SHOWN. ALL SLOPES ARE FOR INFORMATIONAL PURPOSES ONLY.

SHEET NO.
20

CURB RAMP DETAILS

PROJECT NAME: MONTANA STREET-DILLON
COUNTY: BEAVERHEAD
PROJECT ID: STPP 89-1(18)2
UPN: 9743000

DESIGNED BY	10/2024	REVIEWED BY	11/2024
MSU DESIGN		C. WELBORN	
CHECKED BY	11/2024		
T. JOHNSON			

9743000RDCRR009.DWG

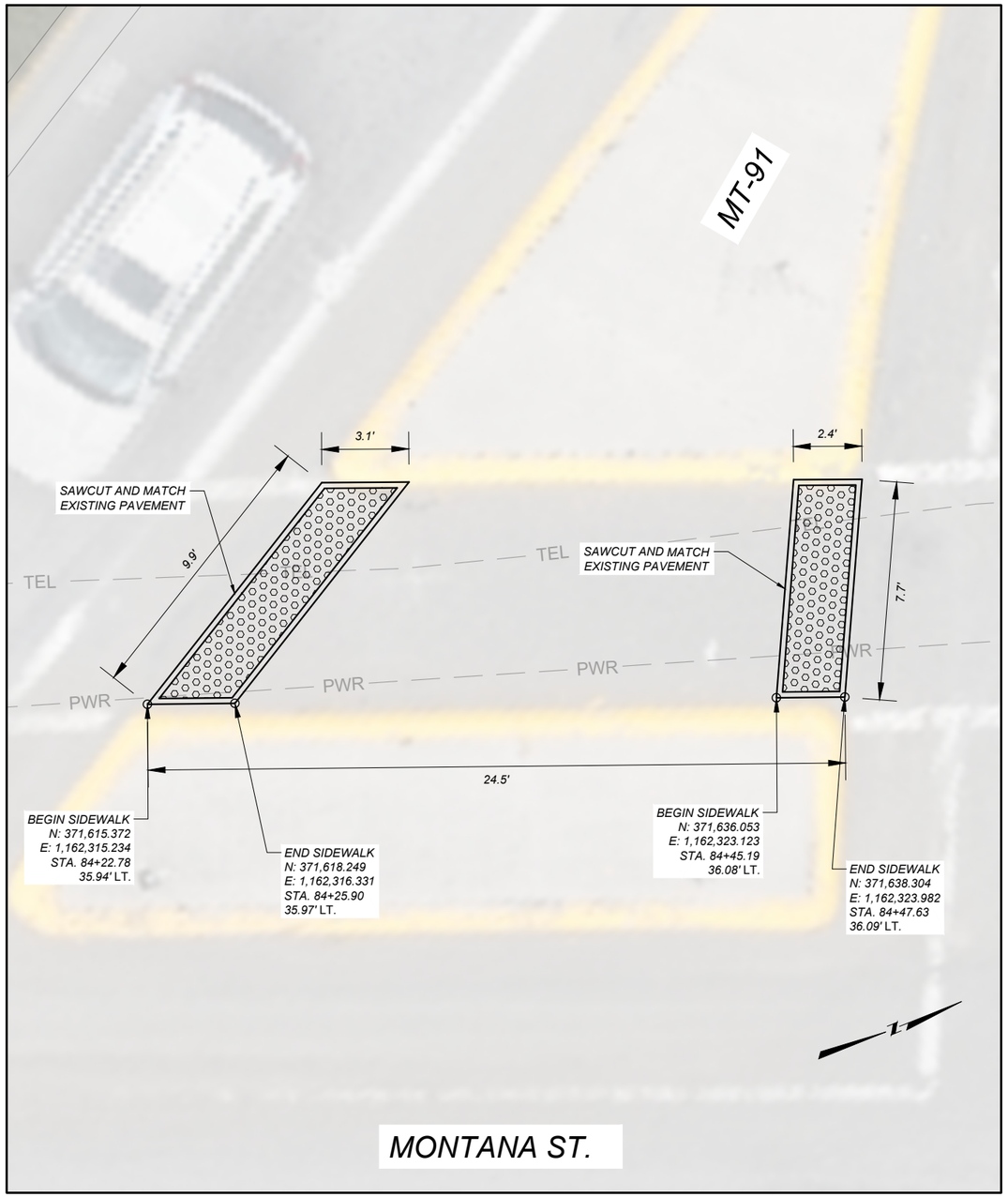
MONTANA
Department of Transportation

ROAD PLANS

12/31/2024 10:55 AM

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INTERSECTION OF MONTANA ST. - MT-91
SPLITTER ISLAND



INTENTIONALLY LEFT BLANK

LEGEND

FS = FINISHED SURFACE ELEV.
TBC = TOP BACK OF CURB ELEV.
FL = FLOW LINE ELEV.
TRW = TOP OF RETAINING WALL ELEV.
FG = FRONT OF GUTTER ELEV.

DETECTABLE WARNING DEVICES

NOTES:

PROVIDE DETECTABLE WARNING DEVICES ON THE BOTTOM 2.0 FEET OF EACH RAMP AS SHOWN. SEE DTL. DWG. NO. 608-40 FOR DETECTABLE WARNING DEVICES DETAILS.

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SEE DETAILED DRAWINGS FOR STANDARD SIDEWALK, CURB & GUTTER AND RETAINING WALL DETAILS.

ROUNDING CRITERIA USED TO DETERMINE THE SLOPES IS DIFFERENT THAN THE ROUNDING CRITERIA FOR THE ELEVATIONS AND DIMENSIONS SHOWN. ALL SLOPES ARE FOR INFORMATIONAL PURPOSES ONLY.

SHEET NO. 21

CURB RAMP DETAILS

PROJECT NAME: MONTANA STREET-DILLON
COUNTY: BEAVERHEAD
PROJECT ID: STPP 89-1(18)2
UPN: 9743000

DESIGNED BY	MSU DESIGN	10/2024
REVIEWED BY	C. WELBORN	11/2024
CHECKED BY	T. JOHNSON	11/2024

MONTANA Department of Transportation

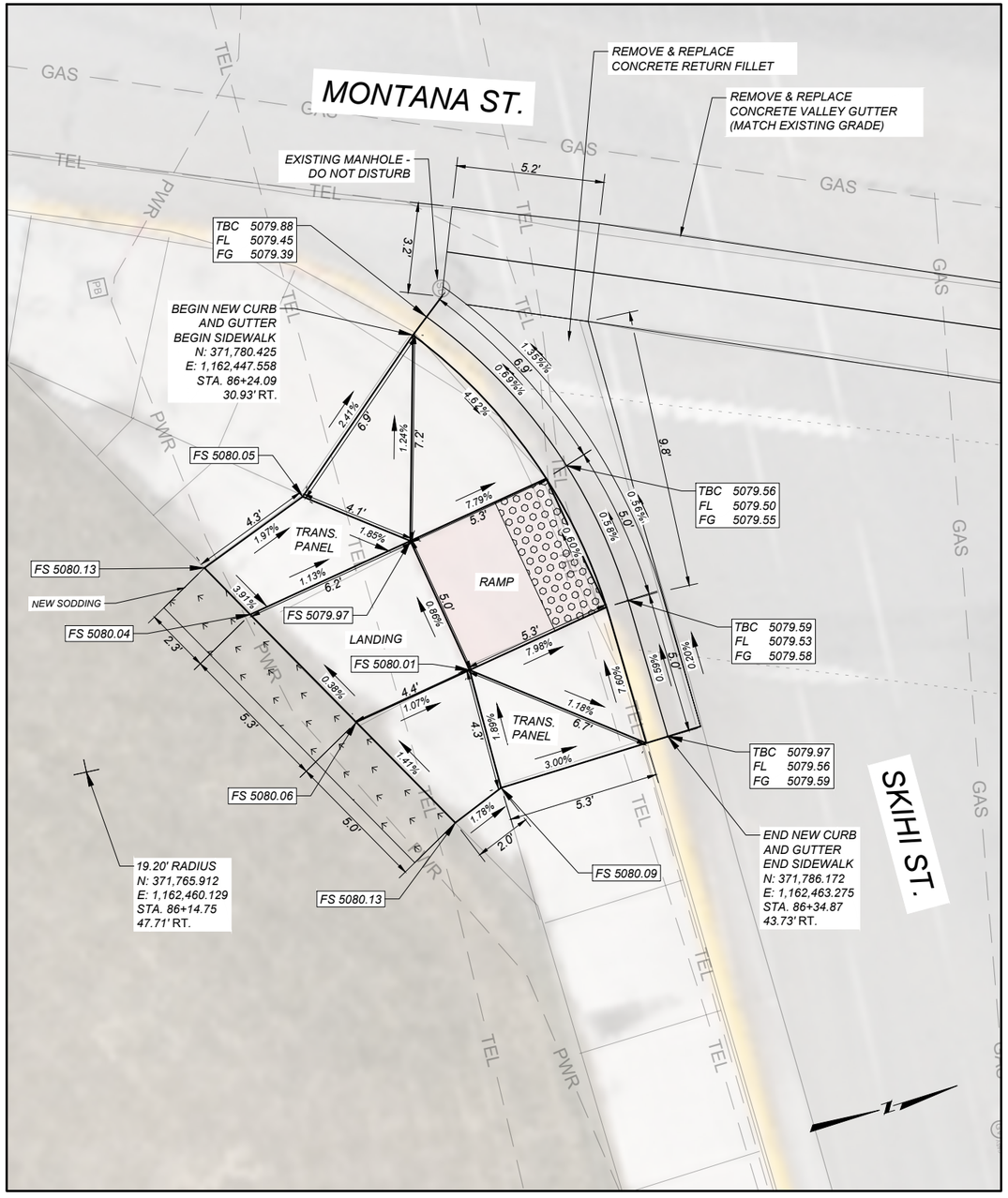
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12/31/2024 10:55 AM

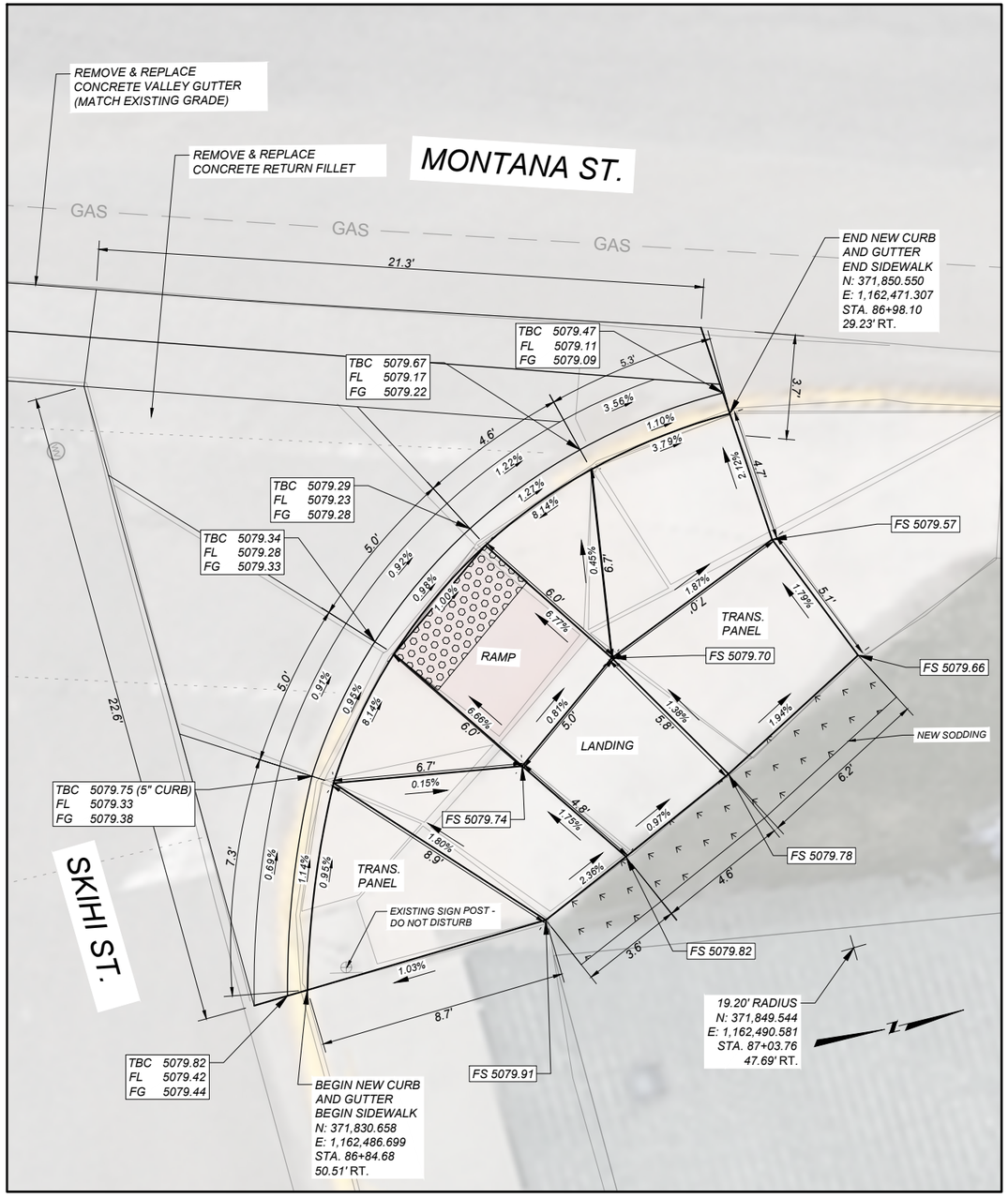
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Docusign Envelope ID: 6276E25B-114B-47F6-A252-1D3285EDF257

INTERSECTION OF MONTANA ST. - SKIHI ST.
SOUTHEAST CORNER



INTERSECTION OF MONTANA ST. - SKIHI ST.
NORTHEAST CORNER



LEGEND

FS = FINISHED SURFACE ELEV.
TBC = TOP BACK OF CURB ELEV.
FL = FLOW LINE ELEV.
TRW = TOP OF RETAINING WALL ELEV.
FG = FRONT OF GUTTER ELEV.

DETECTABLE WARNING DEVICES

NOTES:

PROVIDE DETECTABLE WARNING DEVICES ON THE BOTTOM 2.0 FEET OF EACH RAMP AS SHOWN. SEE DTL. DWG. NO. 608-40 FOR DETECTABLE WARNING DEVICES DETAILS.

ALL DIMENSIONS AND ELEVATIONS ARE FEET UNLESS OTHERWISE NOTED.

ALL CURB AND GUTTER DIMENSIONS ARE ALONG TBC.

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.

SEE DETAILED DRAWINGS FOR STANDARD SIDEWALK, CURB & GUTTER AND RETAINING WALL DETAILS.

ROUNDING CRITERIA USED TO DETERMINE THE SLOPES IS DIFFERENT THAN THE ROUNDING CRITERIA FOR THE ELEVATIONS AND DIMENSIONS SHOWN. ALL SLOPES ARE FOR INFORMATIONAL PURPOSES ONLY.

SHEET NO. 22

CURB RAMP DETAILS

PROJECT NAME: MONTANA STREET-DILLON
COUNTY: BEAVERHEAD
PROJECT ID: STPP 89-1(18)2
UPN: 9743000

DESIGNED BY	MSU DESIGN	10/2024
REVIEWED BY	C. WELBORN	11/2024
CHECKED BY	T. JOHNSON	11/2024

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MONTANA Department of Transportation

ROAD PLANS

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NOTES AND ABBREVIATIONS:

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

ALL MARKINGS ARE PAINT, EXCEPT AS NOTED. WHERE SPECIFIED ON THE PLANS AS PLASTIC, INSTALL INLAID HOT EXTRUDED HYDRO-CARBON THERMOPLASTIC PAVEMENT MARKINGS.

SEE LOCATION AND SPECIFICATION SHEETS FOR PORTIONS OF PROJECT NOT INCLUDED WITHIN SIGNING PLAN SHEETS.

SIGN POSTS SYMBOLS SHOWN ARE FOR REFERENCE ONLY TO SHOW EXISTING SIGNS THAT REQUIRE NO ACTION.

SIGNING LOCATIONS ARE APPROXIMATE.
ENGINEERING PROJECT MANAGER TO FIELD ADJUST AS NECESSARY.

ADOPT A HIGHWAY:
IF SIGNS N7-1/N7-1P EXIST, CONTRACTOR WILL CONFIRM THAT THE GROUP NAME ON THE SIGN(S) EXISTING AT THE TIME OF CONSTRUCTION CORRESPONDS TO THE GROUP NAME ON THE SIGN(S) SHOWN IN PLANS. IF NAME IS DIFFERENT, ENGINEERING PROJECT MANAGER WILL CONTACT TRAFFIC & SAFETY BUREAU SIGNING SECTION WITH THE CORRECT NAME AND A NEW SIGN DESIGN WILL BE PROVIDED.

✕ = 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.

★ = TELESCOPED SQUARE TUBES (2-1/4" & 2-1/2") WITH SLIP BASE BREAKAWAY REQUIRED. MOUNTED IN HEAVY DUTY STUB.

■ = FRANGIBLE SIGN POST. BREAKAWAY DEVICE REQUIRED.

AIR = ANGLE IRON REQUIRED
2 1/2" x 2 1/2" x 3/8" x 6'-4" (37 lbs.)

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

BGR = BEHIND GUARDRAIL

FY = FLUORESCENT YELLOW SHEETING REQUIRED.

FYG = FLUORESCENT YELLOW - GREEN SHEETING REQUIRED.

MBB = MOUNT BACK TO BACK

RSFO = REPLACE SIGN FACE ONLY.

SUMMARY
SIGNING & DELINEATION QUANTITIES

MATERIAL	TOTALS	UNIT
SIGNS-SHEET ALUM SHT INCR XI	196.1	SQFT
SIGNS-ALUM REFL SHEET XI	412.3	SQFT
REMOVE SIGN	47	EACH
REMOVE SIGN-GUIDE	6	EACH
POSTS-TUBULAR STEEL-SQ-PERF	632	LB
POLES-TREATED WOOD 5 IN	28	LNFT
FRANG SIGN POST BKWY-3.5 IN RD (89MM)	4	EACH

PRELIMINARY

SHEET NO.
S1

SUMMARY NOTES AND ABBREVIATIONS

PROJECT NAME: MONTANA STREET-DILLON
COUNTY: BEAVERHEAD
PROJECT ID: STPP 89-1(18)2
UPN: 9743000

DESIGNED BY: S.MORANO 10/2024
REVIEWED BY:
CHECKED BY: N.STYREN 11/2024

MONTANA Department of Transportation

SIGNING PLANS

12/24/2024 11:30 AM

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SIGNING LOCATION AND SPECIFICATION

SIGN LOCATION				SIGN PANEL SPECIFICATIONS						SIGN ASSEMBLY SPECIFICATIONS										SIGN ASSEMBLY QUANTITIES												ADDITIONAL INFORMATION	
STATION / R.P.		DIRECTION	RAMP NO.	SIGN NO. (MUTCD)	PANEL SIZE (INCHES)	FY OR FYG	BACK BRACING REQ'D ANGLE IRON REQ'D	MOUNT BACK TO BACK	REPLACE SIGN FACE ONLY	FEET	TYPE OF SUPPORT	FEET						CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)		STEEL POST (LBS.)				# OF BREAKAWAYS	REMOVE		RESET		SIGN IMAGE	SIGN STATUS & REMARKS
LFT	MDN	RGT			W X H					CLEARANCE/OFFSET (SHOULDER TO EDGE OF SIGN)		SIGN SUPPORT SPACING	MOUNTING HEIGHT	SIGN HEIGHT + GAPS	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z											SIGN	GUIDE	SIGN	GUIDE		
59+13.38																																	
		X		R3-9J	24 X 42				RSFO												7.0									1				R3-9B = RSFO - TO BE REINSTALLED ON LIGHT POLE
59+84.16																																	
X				R3-9J	24 X 42					2.0	2.5" Tubular Stl-Square		7.0		3.0	12.0			1.0	▲		7.0					61				1					R3-9B = REPLACE SEE STANDARD DETAIL 6.19-18A
60+34.00																																	
		X		M4-5	24 X 12		BBR		RSFO												2.0									1				M4-5 =RSFO TO BE REINSTALLED ON LIGHT POLE
				M1-5	24 X 24		BBR														4.0													M1-5 = RSFO
				M3-1B	24 X 12		BBR														2.0													M3-1B = RSFO
				M1-2	24 X 24		BBR														3.2													M1-5 = RSFO
60+34.00																																	
X				M3-3B	24 X 12					2.0	2.5" Tubular Stl-Square		7.0		3.0	11.5			1.0	▲		2.0					59									M3-3B = REPLACE SEE STANDARD DETAIL 16.9-18A
				M1-2	24 X 24																3.2													M1-5 = REPLACE
				M5-1BL	21 X 15																2.2													M5-1BL = REPLACE
61+17.47																																	
		X		D3 (2x)	36 X 12			MBB		2.0	2.25" 2.5" Tubular Stl-Square		7.0		3.0	11.4				★		6.0					92				1					D3(2x) = REPLACE N MONTANA ST
				D3 (2x)	36 X 12			MBB													6.0													D3(2x) = REPLACE E VIRGINIA ST
				R1-1	30 X 30																5.2													R1-1 = Replace
62+61.86																																	
		X		R2-1	24 X 30				RSFO												5.0									1				R2-1 = RSFO - TO BE REINSTALLED ON LIGHT POLE

PRELIMINARY

MONTANA
Department of Transportation

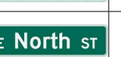
SINGING PLANS

PROJECT NAME	MONTANA STREET-DILLON
COUNTY	BEAVERHEAD
PROJECT ID	STPP 89-1(18)2
UPN	9743000
DESIGNED BY	S.MORANO 10/2024
REVIEWED BY	
CHECKED BY	N.STYREN 11/2024

12/24/2024 11:30 AM 9743000SISUM001.DWG

Docusign Envelope ID: 6276E25B-114B-47F6-A252-1D3285EDF257

PRELIMINARY

SIGN LOCATION				SIGN PANEL SPECIFICATIONS						SIGN ASSEMBLY SPECIFICATIONS												SIGN ASSEMBLY QUANTITIES												ADDITIONAL INFORMATION	
STATION / R.P.		DIRECTION	RAMP NO.	SIGN NO. (MUTCD)	PANEL SIZE (INCHES)	FY OR FYG	BACK BRACING REQ'D ANGLE IRON REQ'D	MOUNT BACK TO BACK	REPLACE SIGN FACE ONLY	FEET		FEET							CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)		STEEL POST (LBS.)				# OF BREAKAWAYS	REMOVE		RESET		SIGN IMAGE	SIGN STATUS & REMARKS
LFT	MDN	RGT			W X H					CLEARANCE/OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SIGN SUPPORT SPACING	MOUNTING HEIGHT	SIGN HEIGHT + GAPS	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z				SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST		SIGN	GUIDE	SIGN	GUIDE		
64+07.16																																			
X				D3 (2x)	36 X 12			MBB	RSFO													6.0								1					D3(2x) = RSFO N MONTANA ST
				D3 (2x)	36 X 12			MBB														6.0													D3(2x) = RSFO W BUTTE ST
				R1-1	30 X 30																	5.2													R1-1 = RSFO
64+61.05																																			
X				W10-1	36 X 36	FY			RSFO													7.1								1					W10-1 = (RR) RSFO
64+63.82																																			
		X		D3 (2x)	36 X 12			MBB	RSFO													6.0								1					D3(2x) = RSFO N MONTANA ST
				D3 (2x)	42 X 12			MBB														7.0													D3(2x) = RSFO E BUTTE ST
				R1-1	30 X 30																	5.2													R1-1 = RSFO
67+96.16																																			
		X		D3 (2x)	36 X 12			MBB	RSFO													6.0								1					D3(2x) = RSFO N MONTANA ST
				D3 (2x)	42 X 12			MBB														7.0													D3(2x) = RSFO E NORTH ST
				R1-1	30 X 30																	5.2													R1-1 = RSFO
68+18.68																																			
		X		R7-1	12 X 18				RSFO													1.5								1					R7-1 = RESFO - TO BE REINSTALLED ON LIGHT POLE
69+50.42																																			
X				R3-9B	24 X 36				RSFO													6.0								1					R3-9B = RSFO - TO BE RESTALLED ON LIGHT POLE
				R7-1	12 X 18																	1.5													R7-1 = RSFO
70+79.37																																			
		X		R7-1	12 X 18				RSFO													1.5								1					R7-1 = RSFO - TO BE REINSTALLED ON LIGHT POLE

SHEET NO.
S3

SIGNING LOCATION AND SPECIFICATION

PROJECT NAME: MONTANA STREET-DILLON
COUNTY: BEAVERHEAD
PROJECT ID: STPP 89-1(18)2
UPN: 9743000

DESIGNED BY: S.MORANO 10/2024
REVIEWED BY:
CHECKED BY: N.STYREN 11/2024
9743000SISUM001.DWG

MONTANA Department of Transportation

SIGNING PLANS

12/24/2024 11:30 AM

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PRELIMINARY

SIGN LOCATION				SIGN PANEL SPECIFICATIONS						SIGN ASSEMBLY SPECIFICATIONS												SIGN ASSEMBLY QUANTITIES										ADDITIONAL INFORMATION	
STATION / R.P.		DIRECTION	RAMP NO.	SIGN NO. (MUTCD)	PANEL SIZE (INCHES)	FY OR FYG	BACK BRACING REQ'D ANGLE IRON REQ'D	MOUNT BACK TO BACK	REPLACE SIGN FACE ONLY	FEET		FEET							CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)		STEEL POST (LBS.)				# OF BREAKAWAYS	REMOVE		RESET		SIGN IMAGE	SIGN STATUS & REMARKS
LFT	MDN	RGT			W X H					CLEARANCE/OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SIGN SUPPORT SPACING	MOUNTING HEIGHT	SIGN HEIGHT + GAPS	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z				SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST		SIGN	GUIDE	SIGN	GUIDE		
72+02.57																																	
X				D9-2	24 X 24				RSFO													4.0								1					D9-2 = RSFO
				M6-3	21 X 15																	2.2													M6-3 = RSFO
				R7-1	12 X 18																	1.5													R7-1 = RSFO - TO BE REINSTALLED ON LIGHT POLE
72+28.25																																	
X				D3 (2x)	36 X 12			MBB	RSFO													6.0								1					D3(2x) =RSFO N MONTANA ST
				D3 (2x)	42 X 12			MBB														7.0													D3(2x) =RSFO W FRANKLIN ST
				R1-1	30 X 30																	6.3													R1-1 = RSFO
72+36.68																																	
X				BY OTHERS																															RR CROSSING "By Others"
72+77.66																																	
X				BY OTHERS																															RR CROSSING "By Others"
72+81.04																																	
X				W10-1	36 X 36	FY			RSFO													7.5								1					W10-1 = RSFO
72+95.63																																	
		X		D3 (2x)	36 X 12			MBB		2.0	2.25" 2.5" Tubular Stl-Square		7.0		3.0	12.0				★		6.0				92				1					D3(2x) =REPLACE N MONTANA ST
				D3 (2x)	42 X 12			MBB														7.0													D3(2x) =REPLACE E FRANKLIN ST
				R1-1	30 X 30																	5.2													R1-1 = REPLACE
73+43.24																																	
		X		R3-9B	24 X 36				RSFO													6.0								1					R7-1 = RSFO - TO BE REINSTALLED ON LIGHT POLE
				R7-1	12 X 18																	1.5													R7-1 RSFO
74+21.36																																	
X				R7-1	12 X 18																	1.5								1					R7-1 = RSFO - TO BE REINSTALLED ON LIGHT POLE
					36 X 12																	3.0													

SHEET NO.
S4

SIGNING LOCATION AND SPECIFICATION

PROJECT NAME: MONTANA STREET-DILLON
COUNTY: BEAVERHEAD
PROJECT ID: STPP 89-1(18)2
UPN: 9743000
9743000SISUM001.DWG

DESIGNED BY	REVIEWED BY	CHECKED BY
S.MORANO		N.STYREN
10/2024		11/2024

MONTANA
Department of Transportation

SIGNING PLANS

12/24/2024 11:30 AM

Docusign Envelope ID: 6276E25B-114B-47F6-A252-1D3285EDF257

PRELIMINARY

SIGN LOCATION				SIGN PANEL SPECIFICATIONS						SIGN ASSEMBLY SPECIFICATIONS											SIGN ASSEMBLY QUANTITIES												ADDITIONAL INFORMATION	
STATION / R.P.		DIRECTION	RAMP NO.	SIGN NO. (MUTCD)	PANEL SIZE (INCHES)	FY OR FYG	BACK BRACING REQ'D ANGLE IRON REQ'D	MOUNT BACK TO BACK	REPLACE SIGN FACE ONLY	FEET	TYPE OF SUPPORT	FEET					CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)		STEEL POST (LBS.)				# OF BREAKAWAYS	REMOVE		RESET		SIGN IMAGE	SIGN STATUS & REMARKS
LFT	MDN	RGT			W X H					CLEARANCE/OFFSET (SHOULDER TO EDGE OF SIGN)		SIGN SUPPORT SPACING	MOUNTING HEIGHT	SIGN HEIGHT + GAPS	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X Y Z				SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST		SIGN	GUIDE	SIGN	GUIDE		
75+81.36																																	
		X		S1-1	Remove																								1					S1-1 = REMOVE
				W16-2	Remove																													W16-2 = REMOVE
				W16-9P	Remove																													W16-9P = REMOVE
77+09.95																																	
X				R2-1	24 X 30															5.0									1					R7-1 = RSFO - TO BE REINSTALLED ON LIGHT POLE
				R7-1	12 X 18															1.5														R7-1 = REPLACE
78+42.15																																	
		X		R7-1	12 X 18															1.5									1					R7-1 = RSFO - TO BE REINSTALLED ON LIGHT POLE
78+69.02																																	
		X		R1-5L	30 X 30					2.0	2.5" Tubular Stl-Square	7.08		3.0	11.0			▲		6.3				58										R1-5R = NEW
78+98.92																																	
		X		W11-2	30 X 30	FY				2.0	2.5" Tubular Stl-Square	7.08		3.0	11.7			▲		6.3				60										W11-2 = NEW
				W16-7PL	21 X 15	FY														2.2														W16-7PL = NEW
79+01.50																																	
X				W11-2	30 X 30	FY				2.0	2.5" Tubular Stl-Square	7.08		3.0	11.7			▲		6.3				60										W11-2 = NEW
				W16-7PL	21 X 15	FY														2.2														W16-7PL = NEW
79+20.16																																	
		X		S1-1	Remove																													S1-1 =REMOVE
				W16-7PL																														W16-7PL = Remove

SHEET NO.
S5

SIGNING LOCATION AND SPECIFICATION

PROJECT NAME MONTANA STREET-DILLON
COUNTY BEAVERHEAD
PROJECT ID STPP 89-1(18)2
UPN 9743000

DESIGNED BY S.MORANO 10/2024
REVIEWED BY
CHECKED BY N.STYREN 11/2024

MONTANA Department of Transportation

SIGNING PLANS

12/24/2024 11:30 AM

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Docusign Envelope ID: 6276E25B-114B-47F6-A252-1D3285EDF257

PRELIMINARY

SIGN LOCATION				SIGN PANEL SPECIFICATIONS						SIGN ASSEMBLY SPECIFICATIONS											SIGN ASSEMBLY QUANTITIES												ADDITIONAL INFORMATION	
STATION / R.P.		DIRECTION	RAMP NO.	SIGN NO. (MUTCD)	PANEL SIZE (INCHES)	FY OR FYG	BACK BRACING REQ'D ANGLE IRON REQ'D	MOUNT BACK TO BACK	REPLACE SIGN FACE ONLY	FEET	TYPE OF SUPPORT	FEET					CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)		STEEL POST (LBS.)				# OF BREAKAWAYS	REMOVE		RESET		SIGN IMAGE	SIGN STATUS & REMARKS
LFT	MDN	RGT			W X H					CLEARANCE/OFFSET (SHOULDER TO EDGE OF SIGN)		SIGN SUPPORT SPACING	MOUNTING HEIGHT	SIGN HEIGHT + GAPS	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z				SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST		SIGN	GUIDE	SIGN	GUIDE		
79+28.45																																	
X				R1-5R	30 X 30					2.0	2.5" Tubular Stl-Square		7.0		3.0	11.0				▲		6.3					58							R1-5R = NEW
79+68.54																																	
X				R7-1	12 X 18																	1.5								1				R7-1 = RSFO - TO BE REINSTALLED ON LIGHT POLE
79+78.50																																	
X				S1-1	Remove																									1				S1-1 = REMOVE
				W16-7PL	Remove																													W16-7PL = REMOVE
81+06.38																																	
		X		R7-1	12 X 18																	1.5								1				R7-1 = RSFO - TO BE REINSTALLED ON LIGHT POLE
81+68.59																																	
		X		D3 (2x)	36 X 12			MBB	RSFO													6.0								1				D3[2x] = RSFO N MONTANA ST
				D3 (2x)	36 X 12			MBB														6.0												D3[2x] = RSFO HOLLYWOOD ST
				R1-1	30 X 30																	5.2												R1-1 = RSFO
82+54.25																																	
X				S1-1	Remove																									1				S1-1 = REMOVE
				W16-2aP	Remove																													W16-2aP = REMOVE
				W16-9P	Remove																													W16-9P = REMOVE
				R7-1	12 X 18																	1.5								1				R7-1 = RSFO - TO BE REINSTALLED ON LIGHT POLE
83+62.22																																	
		X		R7-1	12 X 18																	1.5								1				R7-1 = RSFO - TO BE REINSTALLED ON LIGHT POLE

SHEET NO.
S6

SIGNING LOCATION AND SPECIFICATION

PROJECT NAME: MONTANA STREET-DILLON
COUNTY: BEAVERHEAD
PROJECT ID: STPP 89-1(18)2
UPN: 9743000

DESIGNED BY	DATE	REVIEWED BY		CHECKED BY	DATE
S.MORANO	10/2024			N.STYREN	11/2024

9743000SIUM001.DWG

MONTANA
Department of Transportation

SIGNING PLANS

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PRELIMINARY

SIGN LOCATION				SIGN PANEL SPECIFICATIONS							SIGN ASSEMBLY SPECIFICATIONS											SIGN ASSEMBLY QUANTITIES												ADDITIONAL INFORMATION	
STATION / R.P.		DIRECTION	RAMP NO.	SIGN NO. (MUTCD)	PANEL SIZE (INCHES)	FY OR FYG	BACK BRACING REQ'D ANGLE IRON REQ'D	MOUNT BACK TO BACK	REPLACE SIGN FACE ONLY	FEET		FEET						CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)		STEEL POST (LBS.)				# OF BREAKAWAYS	REMOVE		RESET		SIGN IMAGE	SIGN STATUS & REMARKS
LFT	MDN	RGT			W X H					CLEARANCE/OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SIGN SUPPORT SPACING	MOUNTING HEIGHT	SIGN HEIGHT + GAPS	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z				SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST		SIGN	GUIDE	SIGN	GUIDE		
83+67.90																																		
X				M3-3	24 X 12				RSFO												2.0								1					M3-3 = RSFO
				M1-2	24 X 24				RSFO												3.2													M1-1 = RSFO
84+20.72																																		
X				R1-1	30 X 30				RSFO												5.2								1					R1-1 = RSFO
84+43.05																																		
X				D3 (2x)	36 X 12				RSFO												6.0								1				Hwy 91 N	D3(2x) = RSFO HWY 91 N
				D3 (2x)	36 X 12																6.0												N Montana ST	D3(2x) = RSFO N MONTANA ST
				R1-1	30 X 30																6.3													R1-1 = RSFO
84+83.79																																		
		X		M4-5A	24 X 12				RSFO												2.0								1					M4-5A = RSFO
				M1-1	24 X 24																3.2													M1-1 = RSFO
				M6-3A	21 X 15																2.2													M6-3A = RSFO
				M4-5	24 X 12																2.0													M4-5 = RSFO
				M1-1	24 X 24																4.0													M1-1 = RSFO
				M6-3	21 X 15																2.2													M6-5 = RSFO
85+47.25																																		
X				R7-1	18 X 12				RSFO												1.5								1					R7-1 = RSFO - TO BE REINSTALLED ON LIGHT POLE
85+65.15																																		
X				GS-1aL	109 X 54				RSFO													40.9								1					GS-1aL = RSFO
				BY OTHERS																															By Others "Use as is"

SHEET NO.
S7

SIGNING LOCATION AND SPECIFICATION

PROJECT NAME MONTANA STREET-DILLON
COUNTY BEAVERHEAD
PROJECT ID STPP 89-1(18)2
UPN 9743000

DESIGNED BY	10/2024
S.MORANO	
REVIEWED BY	
CHECKED BY	11/2024
N.STYREN	9743000SISUM001.DWG

MONTANA Department of Transportation

SIGNING PLANS

12/24/2024 11:30 AM

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PRELIMINARY

SIGN LOCATION				SIGN PANEL SPECIFICATIONS						SIGN ASSEMBLY SPECIFICATIONS												SIGN ASSEMBLY QUANTITIES												ADDITIONAL INFORMATION	
STATION / R.P.		DIRECTION	RAMP NO.	SIGN NO. (MUTCD)	PANEL SIZE (INCHES)	FY OR FYG	BACK BRACING REQ'D ANGLE IRON REQ'D	MOUNT BACK TO BACK	REPLACE SIGN FACE ONLY	FEET		FEET						CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)		STEEL POST (LBS.)				# OF BREAKAWAYS	REMOVE		RESET		SIGN IMAGE	SIGN STATUS & REMARKS
LFT	MDN	RGT			W X H					CLEARANCE/OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SIGN SUPPORT SPACING	MOUNTING HEIGHT	SIGN HEIGHT + GAPS	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z				SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST		SIGN	GUIDE	SIGN	GUIDE		
				GS-1aR	109 X 54																		40.9								1				FRONTAGE RD OLD HWY 91 N	GS-1aR = RSFO
				BY OTHERS																														CLARKS LOOKOUT - 1 MILE	By Others "Use as is"
86+07.84																																			
		X		R3-9B	24 X 36				RSFO													6.0								1				CENTER LANE ONLY	R7-1 = RSFO - TO BE REINSTALLED ON LIGHT POLE
				R7-1	12 X 18																	1.5												NO PARKING ANY TIME	R7-1 = RSFO - TO BE REINSTALLED ON LIGHT POLE
86+11.74																																			
		X		D9-10	24 X 24																	4.0								1				?	D9-10 =RSFO TO BE REINSTALLED ON LIGHT POLE
				D9-10A	24 X 12																	2.0												INFORMATION CENTER	D9-10A =RSFO
				M6-3	21 X 15						2.25" 2.5" Tubular Stl-Square				3.0				★			2.2													M6-3 = RSFO
				D9-99	24 X 24																	4.0												M	D9-99 = RSFO
86+86.63																																			
		X		D3 (2x)	36 X 12			MBB		2.0	2.25" 2.5" Tubular Stl-Square	7.0			3.0	11.4			★			6.0				92				1				N Montana ST	D3(2x) = REPLACE N MONTANA ST
				D3 (2x)	36 X 12			MBB														6.0												Skihi ST	D3(2x) = REPLACE SKIHI ST
				R1-1	30 X 30																	5.2												STOP	R1-1 = REPLACE
87+69.80																																			
X				R7-1	12 X 18																	1.5								1				NO PARKING ANY TIME	R7-1 = RSFO - TO BE REINSTALLED ON LIGHT POLE
89+00.86																																			
		X		R7-1	12 X 18																	1.5								1				NO PARKING ANY TIME	R7-1 = RSFO - TO BE REINSTALLED ON LIGHT POLE
89+30.05																																			
		X		R2-1	24 X 30				RSFO													5.0								1				SPEED LIMIT 35	R2-1 = RSFO
89+32.85																																			
X				R2-1	24 X 30				RSFO													5.0								1				SPEED LIMIT 25	R2-1 = RSFO
90+32.45																																			
X				R7-1	12 X 18																	1.5								1				NO PARKING ANY TIME	R7-1 = RSFO - TO BE REINSTALLED ON LIGHT POLE

SHEET NO.
S8

SIGNING LOCATION AND SPECIFICATION

PROJECT NAME: MONTANA STREET-DILLON
COUNTY: BEAVERHEAD
PROJECT ID: STPP 89-1(18)2
UPN: 9743000

DESIGNED BY: S.MORANO 10/2024
REVIEWED BY:
CHECKED BY: N.STYREN 11/2024

9743000SIUM001.DWG

MONTANA Department of Transportation

SIGNING PLANS

12/24/2024 11:30 AM

Docusign Envelope ID: 6276E25B-114B-47F6-A252-1D3285EDF257

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PRELIMINARY

SIGN LOCATION				SIGN PANEL SPECIFICATIONS						SIGN ASSEMBLY SPECIFICATIONS										SIGN ASSEMBLY QUANTITIES												ADDITIONAL INFORMATION	
STATION / R.P.		DIRECTION	RAMP NO.	SIGN NO. (MUTCD)	PANEL SIZE (INCHES)	FY OR FYG	BACK BRACING REQ'D ANGLE IRON REQ'D	MOUNT BACK TO BACK	REPLACE SIGN FACE ONLY	FEET	TYPE OF SUPPORT	FEET					CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)		STEEL POST (LBS.)				# OF BREAKAWAYS	REMOVE		RESET		SIGN IMAGE	SIGN STATUS & REMARKS
LFT	MDN	RGT			W X H					CLEARANCE/OFFSET (SHOULDER TO EDGE OF SIGN)		SIGN SUPPORT SPACING	MOUNTING HEIGHT	SIGN HEIGHT + GAPS	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X Y Z				SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST		SIGN	GUIDE	SIGN	GUIDE		
92+00.80																															
X				M3-3	24 X 12				RSFO											2.0								1					M3-3 = RSFO
				M1-2	24 X 24															3.2													M1-2 = RSFO
92+04.99																															
		X		R7-1	12 X 18															1.5								1					R7-1 = RSFO - TO BE REINSTALLED ON LIGHT POLE
92+96.45																															
X				R3-9B	24 X 36				RSFO											6.0								1					R3-9B = RSFO - TO BE REINSTALLED ON LIGHT POLE
				R7-1	12 X 18															1.5													R7-1 = RSFO
93+46.19																															
		X		G89-2A	126 X 66				RSFO												57.8								1					G89-2 = RSFO
93+91.05																															
X				GS-3	132 X 48				RSFO												44.0								1					GS-3 = RSFO
94+26.75																															
		X		R7-1	12 X 18				RSFO											1.5								1					R7-1 = RSFO - TO BE REINSTALLED ON LIGHT POLE
94+42.86																															
X				N6-1	60 X 30				RSFO												12.5								1					N6-1 = RSFO
94+72.85							BBR													2.0								1					M4-5 = RSFO
		X		M4-5	24 X 12				RSFO																							
				M1-1	24 X 24															3.2													M1-1 = RSFO
				M6-1L	21 X 15															2.2													M6-1L = RSFO
				M1-5	24 X 24															4.0													M1-5 = RSFO
				M6-3	21 X 15															2.2													M6-3 = RSFO

SHEET NO.
S9

SIGNING LOCATION AND SPECIFICATION

PROJECT NAME: MONTANA STREET-DILLON
COUNTY: BEAVERHEAD
PROJECT ID: STPP 89-1(18)2
UPN: 9743000

DESIGNED BY: S.MORANO 10/2024
REVIEWED BY:
CHECKED BY: N.STYREN 11/2024

MONTANA Department of Transportation

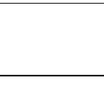
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Docusign Envelope ID: 6276E25B-114B-47F6-A252-1D3285EDF257

PRELIMINARY

SIGN LOCATION				SIGN PANEL SPECIFICATIONS						SIGN ASSEMBLY SPECIFICATIONS											SIGN ASSEMBLY QUANTITIES												ADDITIONAL INFORMATION	
STATION / R.P.		DIRECTION	RAMP NO.	SIGN NO. (MUTCD)	PANEL SIZE (INCHES)	FY OR FYG	BACK BRACING REQ'D ANGLE IRON REQ'D	MOUNT BACK TO BACK	REPLACE SIGN FACE ONLY	FEET	TYPE OF SUPPORT	FEET						CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)		STEEL POST (LBS.)				# OF BREAKAWAYS	REMOVE		RESET		SIGN IMAGE	SIGN STATUS & REMARKS
LFT	MDN	RGT			W X H					CLEARANCE/OFFSET (SHOULDER TO EDGE OF SIGN)		SIGN SUPPORT SPACING	MOUNTING HEIGHT	SIGN HEIGHT + GAPS	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z				SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST		SIGN	GUIDE	SIGN	GUIDE		
94+74.98																																			
X				R2-1	24 X 30				RSFO												5.0								1					R2-1 = RSFO
95+26.90																																			
X				R5-1	30 X 30				RSFO												6.3													R5-1 = RSFO
95+50.80																																			
X				USE AS IS																															"USE AS IS"
95+57.49							BBR				5" Treated Wood Pole		7.0		3.5	12.1			X		2.0		14						1					M3-1 = REPLACE
X				M3-1	24 X 12					10.0																									
				M1-5	24 X 24		BBR														4.0													M1-5 = REPLACE
				M5-1L	21 X 15		BBR														2.2													M5-1L = REPLACE
				M3-3	24 X 12		BBR														2.0													M3-3 = REPLACE
				M1-2	24 X 24		BBR														3.2													M1-2 = REPLACE
				M5-1BR	21 X 15		BBR														2.2													M5-1BR = REPLACE
96+36.54																																			
		X		M4-5	24 X 12					10.0	5" Treated Wood Pole		7.0		3.5	12.1			X		2.0		14											M4-5 = REPLACE
				M1-1	24 X 24																3.2													M1-1 = REPLACE
				M6-3A	21 X 15																2.2													M6-3A = REPLACE
PROJECT TOTALS																					412.3	196.1		28		632			47	6					

SHEET NO.
S10

SIGNING LOCATION AND SPECIFICATION

PROJECT NAME: MONTANA STREET-DILLON
COUNTY: BEAVERHEAD
PROJECT ID: STPP 89-1(18)2
UPN: 9743000

DESIGNED BY	DATE	REVIEWED BY	DATE	CHECKED BY	DATE
S.MORANO	10/2024			N.STYREN	11/2024

9743000SISUM001.DWG

MONTANA
Department of Transportation

SIGNING PLANS

12/24/2024 11:30 AM

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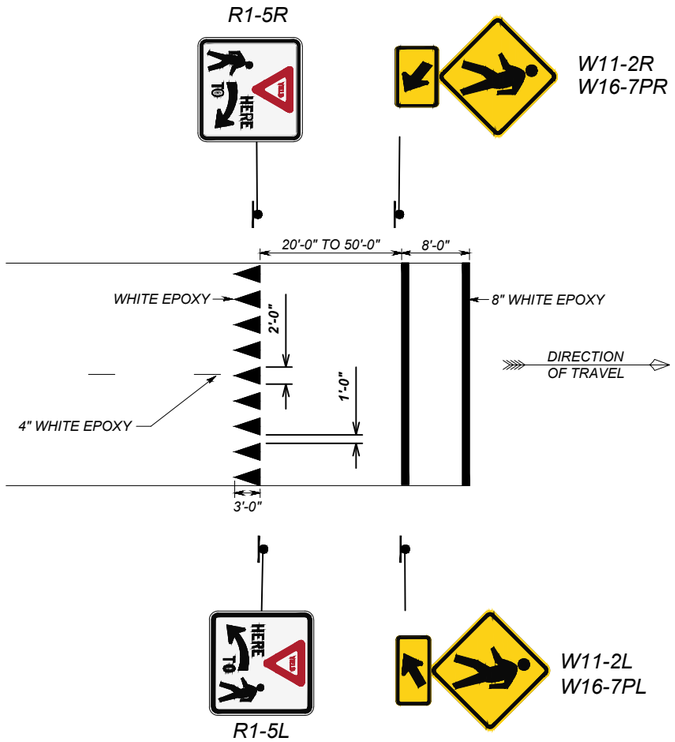
PRELIMINARY

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

NO SCALE

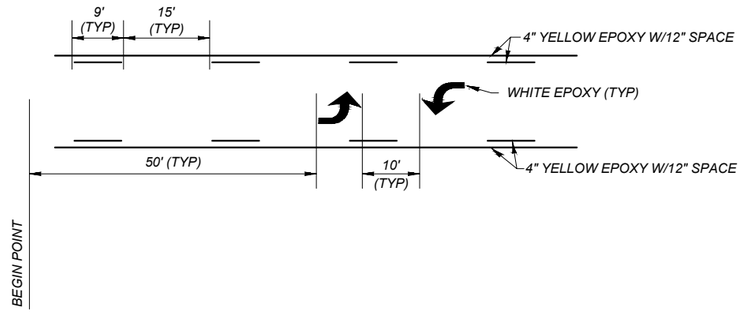
GENERAL NOTES:

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

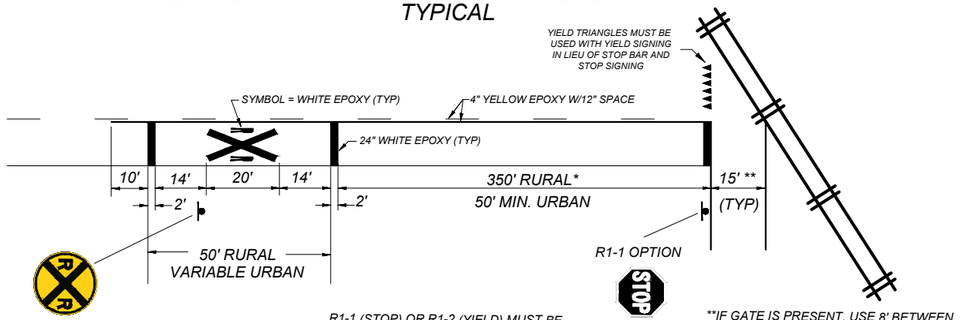


URBAN TWO WAY LEFT TURN TYPICAL PAVEMENT MARKINGS

NOT TO SCALE



RAILROAD CROSSING SIGNING & PAVEMENT MARKINGS TYPICAL



* VARIABLE DISTANCE:
W10-1 TO BE PLACED ACCORDING TO THE P.R.T. CHART (11TH EDITION OF MUTCD TABLE 2C-3) WITH PAVEMENT MARKINGS ADJUSTED ACCORDINGLY. STOP AHEAD OR YIELD AHEAD SIGNING MUST BE PLACED BETWEEN THE W10-1 RAILROAD SIGN AND THE STOP SIGN

R1-1 (STOP) OR R1-2 (YIELD) MUST BE USED IN CONJUCTION WITH THE W3-1 OR W3-2 WHEN THERE ARE TWO OR MORE TRAINS PER DAY AND XING IS WITHOUT AN AUTOMATIC TRAFFIC CONTROL DEVICE.

**IF GATE IS PRESENT, USE 8' BETWEEN THE GATE AND THE STOP BAR.
ON MULTI-LANE ROADS, THE TRANSVERSE BARS MUST EXTEND ACROSS THE APPROACH LANES AND INDIVIDUAL R X R CROSSING SIGNS MUST BE USED IN EACH APPROACH LANE.

SHEET NO.
S11

DETAIL SHEET

PROJECT NAME MONTANA STREET-DILLON
COUNTY BEAVERHEAD
PROJECT ID STPP 89-1(18)2
UPN 9743000

DESIGNED BY S. MORANO 10/2024
REVIEWED BY
CHECKED BY N. STYREN 11/2024
9743000SIPLN001.DWG

MONTANA Department of Transportation

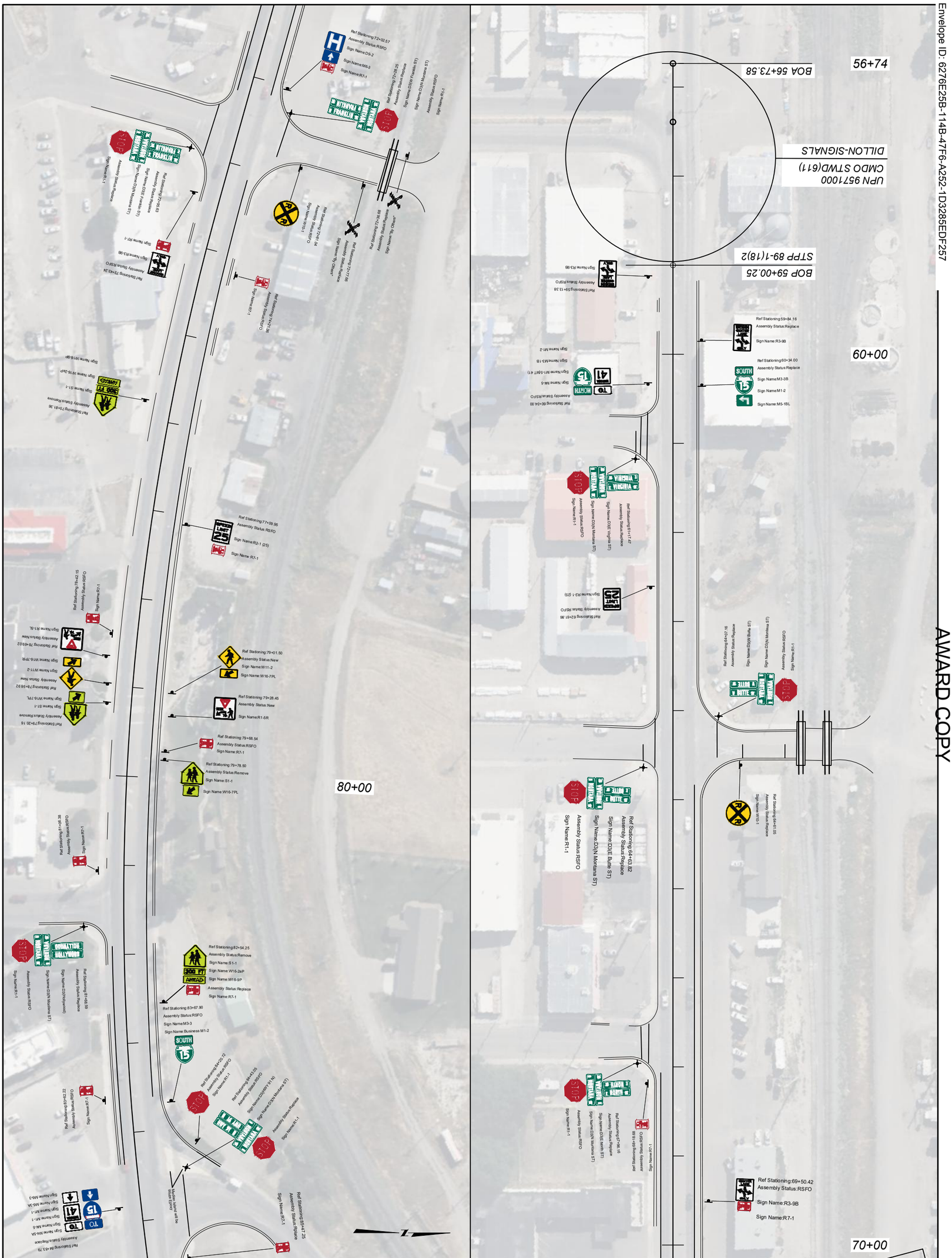
SIGNING PLANS

11/21/2024 11:57 AM

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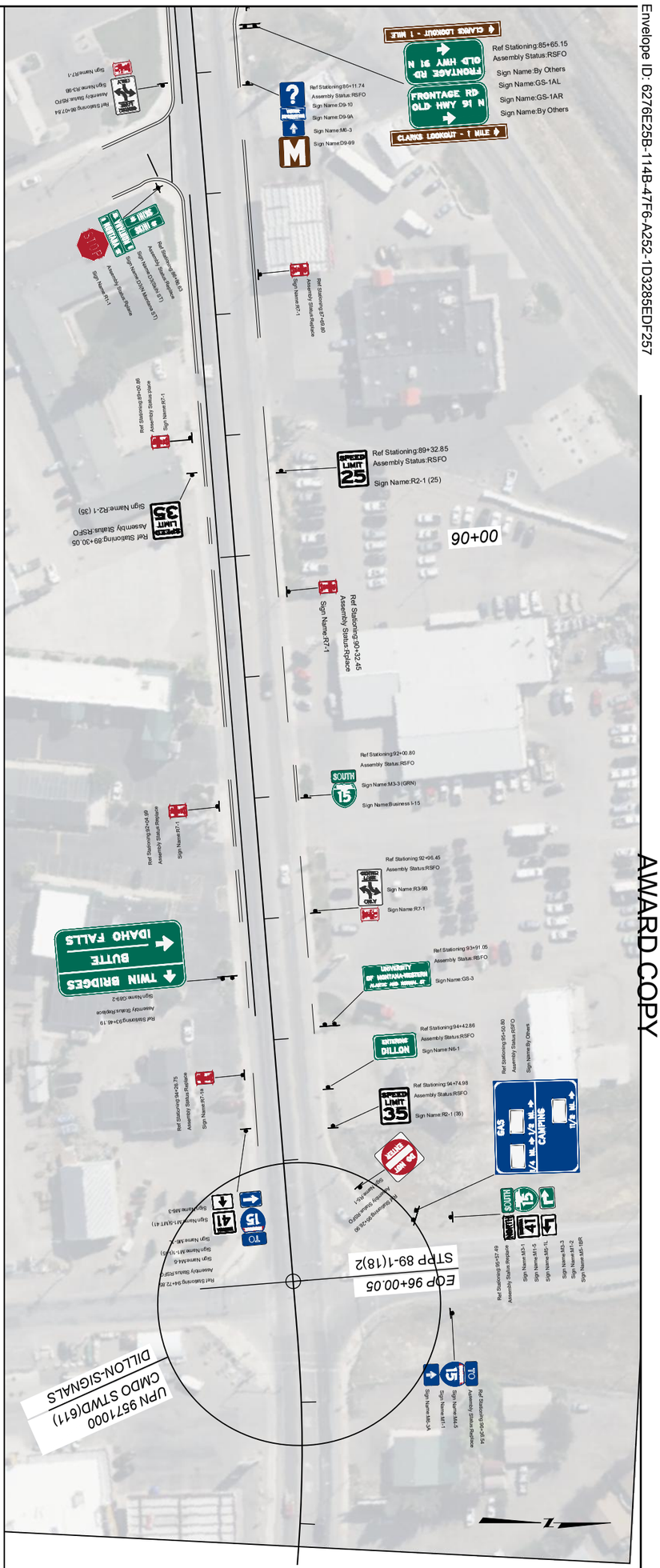
AWARD COPY

PRELIMINARY



MONTANA Department of Transportation	DESIGNED BY		PROJECT NAME	PLAN SHEET	SHEET NO.
	S. MORANO	10/2024	MONTANA STREET-DILLON		
	REVIEWED BY		COUNTY		
			BEAVERHEAD		
SIGNING PLANS	CHECKED BY		PROJECT ID		
	N. STYREN	11/2024	STPP 89-1(18)2		
11/21/2024 11:57 AM	9743000SIPLN001.DWG		UPN 9743000		S12

PRELIMINARY



MONTANA Department of Transportation	DESIGNED BY: S. MORANO 10/2024	PROJECT NAME: MONTANA STREET-DILLON	PLAN SHEET
SIGNING PLANS	REVIEWED BY:	COUNTY: BEAVERHEAD	SHEET NO. S13
11/21/2024 11:57 AM	CHECKED BY: N. STYREN 11/2024	PROJECT ID: STPP 89-1(18)2	
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