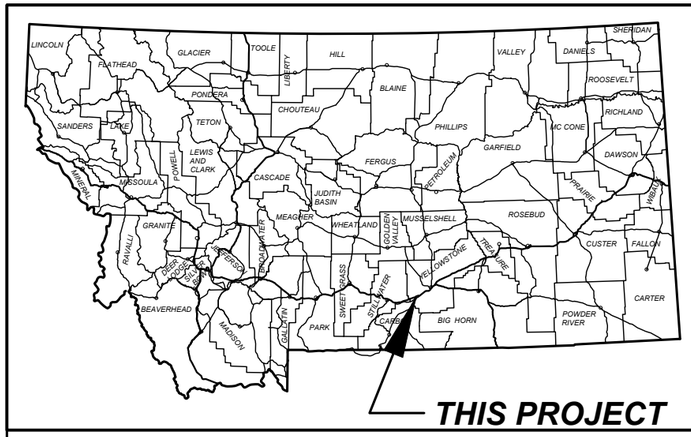
AWARD COPY



MONTANA DEPARTMENT OF TRANSPORTATION

FEDERAL AID PROJECT UPP 6904(7)

OVERLAY, CHIP SEAL, ADA CURB RAMPS

WEST MAIN STREET - LAUREL

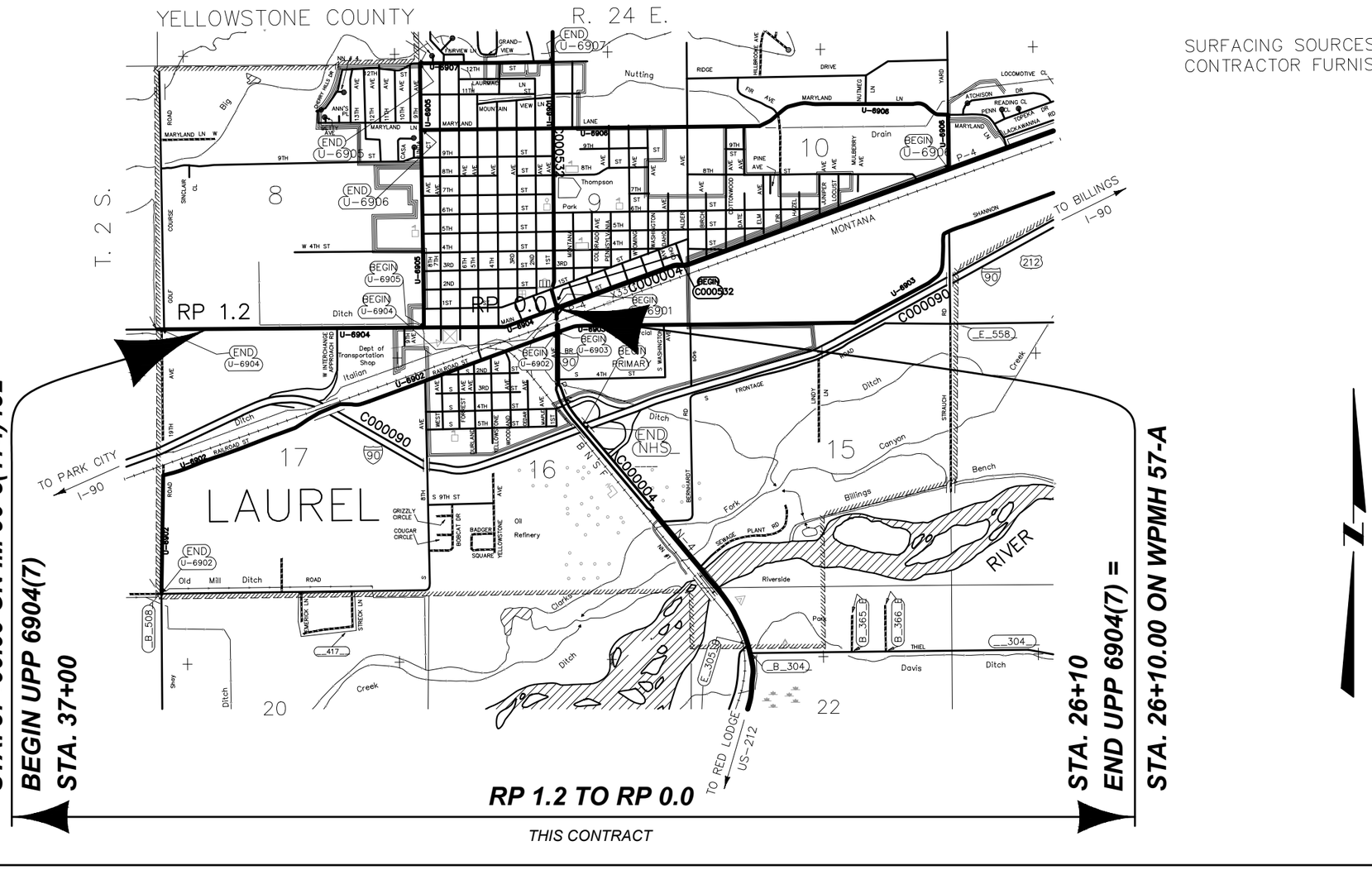
YELLOWSTONE COUNTY

LENGTH 1.2 MILES

PROJECT DESIGN DATA

PRESENT	2022	A.D.T. =	4,190
LETTING	2024	A.D.T. =	4,280
DESIGN	2044	A.D.T. =	5,220
		D.H.V. =	520
		TRUCKS =	1.5%
		V. =	25-55 MPH
		18 KIP ESAL'S =	36
		GROWTH RATE =	1.0%

ASSOCIATED PROJECT AGREEMENT NUMBERS	
R/W	
I.C.	
P.E.	UPP 6904(6)



SURFACING SOURCES – CONTRACTOR FURNISHED

SHEET NO. 01

TITLE SHEET

PROJECT NAME: WEST MAIN STREET - LAUREL
COUNTY: YELLOWSTONE COUNTY
PROJECT ID: UPP 6904(7) 10290000
UPN

CHECKED BY	J. Fleming	10/12/23
REVIEWED BY	K. Shuck	10/12/23
DESIGNED BY	R. McNeely	10/12/23

MONTANA Department of Transportation

ROAD PLANS

1/16/2024 4:27 PM

10290000RDTTL001.DWG

TABLE OF CONTENTS

ROAD PLANS	SHEET NO.
TITLE SHEET	1
TABLE OF CONTENTS	2
NOTES	2
TYPICAL SECTIONS	3
SUMMARIES	4-6
SURFACING	4
ADDITIONAL SURFACING	4
COLD MILLING	5
DIGOUT EXCAVATION	5
PAVEMENT MARKINGS	5
EQUIPMENT	5
CRACK SEALING	5
CURB	6
SIDEWALK	6
DETAILS	7-17
PROJECT BEGIN CONNECTION	7
PROJECT END CONNECTION	7
OVERLAY TO SEAL & COVER TRANSITION	8
CRACK SEALING	8
MAINLINE DIGOUT	9
CONCRETE APPROACH DIGOUT	10-11
APPROACH DIGOUT	12
APPROACH CONNECTION	13
CURB EXCAVATION	14
CURB RAMPS	15
CURB , GUTTER AND SIDEWALK REPLACEMENT	16-17

NOTES

BASIS OF PLAN QUANTITIES

(QUANTITIES FOR ESTIMATING PURPOSES ONLY)

COMP. AGGREGATE WEIGHT	= 3750 LBS. PER CUBIC YARD
COMP. WEIGHT OF PL. MIX BIT. SURF.	= 4167 LBS. PER CUBIC YARD
ASPHALT CEMENT - GRADE S - 3/4" 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)
SEAL	= 0.42 GAL. PER SQ.YARD
COVER	= 25 LBS. PER SQ.YARD

WETLANDS

WETLANDS MAY EXIST ADJACENT TO THE ROADWAY AND MAY EXIST 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 AREA WITHOUT THE APPROPRIATE PERMITTING IS THE RESPONSIBILITY OF THE CONTRACTOR.

UTILITIES

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

PAVEMENT MARKINGS

EXISTING PAVEMENT MARKINGS ARE IN THE FINAL LOCATION UNLESS ADJUSTED BY THE PROJECT MANAGER. REPLACE ALL STRIPING IN ORIGINAL LOCATIONS

AS-BUILTS

FOR HORIZONTAL ALIGNMENT AND STATIONING, REFER TO THE FOLLOWING "AS-BUILT" PROJECT(S):
NRM 57-A, FAP 57-B, WPMH 57-A (RECONSTRUCTION - 1936)
UPP-STPE 6904(3) (MILL. OVERLAY, S. & C. - 2011)
IM 90-8(174)432 (GRADE, GRAVEL, PLANT MIX SURFACING - 2019)

* STATIONING RUNS IN OPPOSITE DIRECTION TO RP'S

APPROACHES (FOR INFORMATION ONLY)

STATION	TYPE	linear feet: WIDTH ^	linear feet: RADIUS ^ LEFT	linear feet: RADIUS ^ RIGHT	linear feet: LENGTH #	square feet: SURFACE AREA	EXISTING SURFACING	PROPOSED SURFACING	feet: PLANT MIX DEPTH	tons: COMMERCIAL MIX PG 58V-34	tons: COMMERCIAL PLANT MIX - MISC	gallons: EMULS. ASPHALT TACK	REMARKS
36+29	PRIVATE	50	25	25	30	1,079	PLANT MIX	PLANT MIX	0.15		12	6	RT. PRIVATE
36+29	PRIVATE	20	25	25	15	1,096	PLANT MIX	PLANT MIX	0.15		13	6	LT. PRIVATE
41+81	PRIVATE	20	25	25	23	722	GRAVEL	PLANT MIX	0.15		8	4	RT. WESTBROOK STORAGE
44+07	PRIVATE	28	25	25	23	907	+ CONCRETE	PLANT MIX	0.20		14	5	RT. WESTBROOK STORAGE
47+17	PRIVATE	22	25	25	23	770	+ CONCRETE	PLANT MIX	0.20		12	4	RT. PRIVATE DRIVE
49+43	PRIVATE	14	25	25	23	562	GRAVEL	PLANT MIX	0.15		7	3	RT. PRIVATE DRIVE
50+55	FARM FIELD	16	25	25	18	501	GRAVEL	PLANT MIX	0.15		6	3	LT. PRIVATE DRIVE FARM
50+95	PRIVATE	12	25	25	23	461	GRAVEL	PLANT MIX	0.15		5	3	RT. PRIVATE DRIVE
51+60	PRIVATE	20	25	25	23	679	GRAVEL	PLANT MIX	0.15		8	4	RT. PRIVATE DRIVE
54+10	PUBLIC	25	25	25	23	798	GRAVEL	PLANT MIX	0.15	9		4	RT. FIGGINS CIR
55+66	PRIVATE	20	25	25	23	461	GRAVEL	PLANT MIX	0.15		8	3	RT. PRIVATE DRIVE
56+92	PRIVATE	12	25	25	18	339	PLANT MIX	PLANT MIX	0.15		4	2	LT. PRIVATE DRIVE
57+16	PRIVATE	30	25	25	22	890	GRAVEL	PLANT MIX	0.15		10	5	RT. PRIVATE DRIVE
59+35	PUBLIC	42	40	40	20	1,445	PLANT MIX	PLANT MIX	0.15	17		8	RT. ABANDONED ROAD
61+21	PRIVATE	32	25	25	18	739	PL. MIX/GR.	PLANT MIX	0.15		9	4	LT. ADAMS AUTOBODY
62+60	PRIVATE	32	25	25	18	803	PL. MIX/GR.	PLANT MIX	0.15		9	4	LT. PRIVATE DRIVE
64+83	PRIVATE	32	25	25	20	757	PLANT MIX	PLANT MIX	0.15		9	4	RT. CUBESMART SELF STORAGE
65+08	PRIVATE	12	25	25	20	507	PLANT MIX	PLANT MIX	0.15		6	3	LT. PRIVATE DRIVE
66+17	PRIVATE	30	25	25	18	695	GRAVEL	PLANT MIX	0.15		8	4	RT. WOOD'S SOFTBALL FIELD
66+77	PUBLIC	25	25	25	20	766	PLANT MIX	PLANT MIX	0.15	9		4	LT. FOUNDATION AVE.
68+43	PRIVATE	14	50	50	20	487	GRAVEL	PLANT MIX	0.15		6	3	LT. PRIVATE
69+30	PRIVATE	20	25	25	20	636	GRAVEL	PLANT MIX	0.15		7	4	LT. PRIVATE DRIVE
69+76	PRIVATE	26	25	25	18	809	+ CONCRETE	PLANT MIX	0.20		12	4	RT. WOOD'S POWR-GRIP CO, INC.
70+96	PRIVATE	26	25	25	20	788	GRAVEL	PLANT MIX	0.15		9	4	LT. PRYOR CREEK BAIT COMPANY
72+03	PRIVATE	34	25	25	18	956	+ CONCRETE	PLANT MIX	0.20		15	5	RT. WOOD'S POWR-GRIP CO, INC.
72+26	PRIVATE	14	50	25	18	376	GRAVEL	PLANT MIX	0.15		4	2	LT. PRIVATE DRIVE
72+81	PUBLIC	62	25	25	20	1,534	GRAVEL	PLANT MIX	0.15	18		9	RT. S. 9TH AVE
73+36	PRIVATE	10	25	25	20	412	GRAVEL	PLANT MIX	0.15		5	2	LT. PRIVATE DRIVE
74+11	PRIVATE	64	42	25	20	1,521	PLANT MIX	PLANT MIX	0.15		18	8	LT. CENEX
01+52	PRIVATE	25	~	~	5	125	CONCRETE	CONCRETE	~	~	~	~	LT. FRONTIER COMMUNITIES LAUREL*
16+73	PRIVATE	35	~	~	8	280	CONCRETE	CONCRETE	~	~	~	~	LT. 325 E. MAIN ST.*
SUBTOTAL						22,901				53	224	124	

^ FIELD FIT TO EXISTING WIDTHS AND RADII. RADII ORIENTATION FROM MAINLINE CENTERLINE.
# LENGTH MEASURED FROM MAINLINE TYPICAL EDGE OF PAVEMENT AND ALONG APPROACH CENTERLINE.
* SEE CURB, GUTTER, AND SIDEWALK REPLACEMENT DETAILS. QUANTITIES INCLUDED IN SIDEWALK SUMMARY FRAME
+ REMOVE EXISTING CONCRETE TO R/W AND REPLACE WITH ASPHALT AND CAC IF NEEDED
NOTES: WIDTHS, RADII, LENGTH & AREAS ARE MEASURED IN CADD FOR QUANTITIES.
SAW CUT APPROACHES AT EXISTING R/W LINE

SHEET NO. 02

NOTES SHEET

PROJECT NAME: WEST MAIN STREET - LAUREL
COUNTY: YELLOWSTONE COUNTY
PROJECT ID: UPP 6904(7)
UPN: 10290000

CHECKED BY	J. Fleming	10/12/23
REVIEWED BY	K. Shuck	10/12/23
DESIGNED BY	R. McNeely	10/12/23

10290000RDTTL001.DWG

MONTANA Department of Transportation

ROAD PLANS

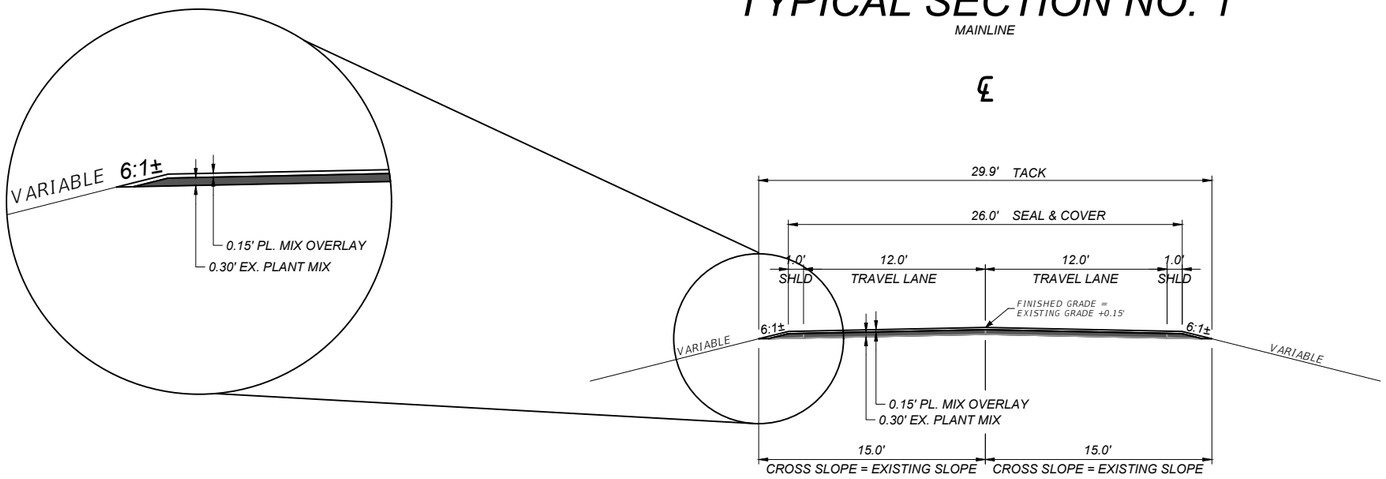
1/16/2024 4:27 PM

AWARD COPY

37+00	TO	74+21	
74+21	TO	76+21	TRANS. TYP. NO. 1 TO TYP. NO. 2

TYPICAL SECTION NO. 1

MAINLINE



NOTE: IN AREAS WHERE EXISTING SURFACING IS NOT WIDE ENOUGH TO SUPPORT THE NEW TYPICAL SURFACING, USE PLANT MIX SURFACING AS SHOWN OR STEEPEN INSLOPE TO SUPPORT NEW PLANT MIX SURFACE

QUANTITIES

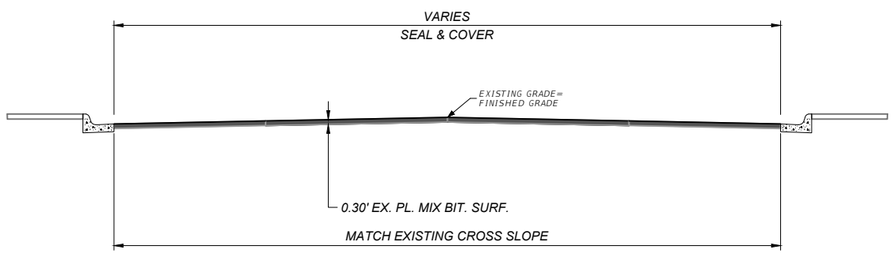
UNIT	AGGREGATE		UNIT	BITUMINOUS MATERIAL	
	COVER	PLANT MIX		SEAL	EMULSIFIED ASPHALT TACK*
AREA square feet		4.19	square yards PER STATION	289	332
cubic yards PER STATION		15.5	tons PER STATION	0.52	
tons PER STATION		32.3	gals. PER STATION		17
square yards PER STATION	289				

* BASED ON 1 APPLICATION

TYPICAL SECTION NO. 2

MAINLINE

76+21		TO	77+60	
77+60	BK	TO	00+67	AH EQUATION
00+67		TO	26+10	



SEAL & COVER QUANTITIES BASED ON CADD
SEE SURFACING SUMMARIES FOR QUANTITIES

SHEET NO. 03

TYPICAL SHEET

PROJECT NAME: WEST MAIN STREET - LAUREL
COUNTY: YELLOWSTONE COUNTY
PROJECT ID: UPP 6904(7)
UPN: 10290000

CHECKED BY	J. Fleming	10/12/23
REVIEWED BY	K. Shuck	10/12/23
DESIGNED BY	R. McNeely	10/12/23

10290000RDTYP001.DWG

MONTANA Department of Transportation

ROAD PLANS

1/16/2024 9:23 AM

AWARD COPY

SURFACING

STATION FROM	STATION TO	linear feet GROSS	linear feet NET	linear feet +	linear feet -	FOR	HYDRATED LIME	AGGREGATE sq. yards COVER TYPE II	AGGREGATE tons COMMERCIAL MIX - PG 58V-34	AGGREGATE tons COMMERCIAL PLANT MIX - MISC	BITUMINOUS MATERIAL tons EMULSIFIED ASPHALT CHFRS-2P	BITUMINOUS MATERIAL gals. EMULSIFIED ASPHALT TACK	REMARKS
37+00	74+21	3,721.00	3,721.00					10,754	1,202		19.3	633	TYP. NO. 1
74+21	76+21	200.00	200.00			TAPER		578	65		1.0	34	OVERLAY TO SEAL & COVER TRANSITION
76+21	77+60	139.00	139.00					47	45		1.2	33	TYP. NO. 2, QUANTITIES BASED ON CAD AREAS
77+60 BK	00+67 AH					PROJECT STATIONING SWITCH							
00+67	26+10	2,543.00	2543.00					14,816			26.5		TYP. NO. 2, QUANTITIES BASED ON CAD AREAS
						ADDITIONAL SURFACING			118	310		254	
TOTAL		6,603.00	6,603.00	0.00	0.00		~	26,195	1,430	310	48.0	954	

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 II	AGGREGATE tons COMMERCIAL MIX - PG 58V-34	AGGREGATE tons COMMERCIAL PLANT MIX - MISC	BITUMINOUS MATERIAL tons EMULSIFIED ASPHALT CHFRS-2P	BITUMINOUS MATERIAL gals. EMULSIFIED ASPHALT TACK	REMARKS
35+00	37+00	200.00	200.00			BEGIN PROJECT CONNECTION		578	65		1.0	34	
						1 - FARM FIELD APPROACH				6		3	
						24 - PRIVATE APPROACHES				218		121	
						4 - PUBLIC APPROACHES			53			25	
74+96	76+21	125.00				DIGOUT NO. 1				70		65	SEE MAINLINE DIGOUT DETAILS
06+80	07+49	69.00				DIGOUT NO. 2				14		5	SEE APPROACH DIGOUT DETAILS
11+01	11+16	15.00				DIGOUT NO. 3				2		1	SEE APPROACH DIGOUT DETAILS
SUBTOTAL		~	~	~	~		~	578	118	310	1.0	254	

SHEET NO. 04

SUMMARY SHEET

PROJECT NAME: WEST MAIN STREET - LAUREL
COUNTY: YELLOWSTONE COUNTY
PROJECT ID: UPP 6904(7)
UPN: 10290000

CHECKED BY	J. Fleming	10/12/23
REVIEWED BY	K. Shuck	10/12/23
DESIGNED BY	R. McNeely	10/12/23

10290000RDSUM001.DWG

MONTANA Department of Transportation

ROAD PLANS

1/16/2024 4:27 PM

AWARD COPY

CRACK SEALING*

STATION		TRANSVERSE & LONGITUDINAL CRACK SEALING				REMARKS
		CRACK SEALING				
		NEW	EXISTING	NEW	EXISTING	
FROM	TO	pounds	pounds	linear feet	linear feet	
00+67	26+10	899		1,634		
SUBTOTAL		899	0	#	#	
TOTAL		899		#	#	

FOR INFORMATION ONLY
* SEE DETAILS

PAVEMENT MARKINGS

ITEM	UNIT	INTERIM APPLICATION #	FINAL APPLICATION	TOTAL
STRIPING - WHITE PAINT	gallon	36		36
STRIPING - YELLOW PAINT	gallon	42		42
WORDS & SYMBOLS - WHITE PAINT	gallon	16		16
WORDS & SYMBOLS - YELLOW PAINT	gallon	2		2
CURB MARKINGS - YELLOW PAINT	gallon	2		2
STRIPING - WHITE EPOXY	gallon		49	49
STRIPING - YELLOW EPOXY	gallon		56	56
WORDS & SYMBOLS - WHITE EPOXY	gallon		22	22
WORDS & SYMBOLS - YELLOW EPOXY	gallon		3	3
CURB MARKINGS - YELLOW EPOXY	gallon		2	2
TEMPORARY STRIPING	linear feet			12,792
FINAL SWEEP AND BROOM	course mile			1.2

BASED ON 1 APPLICATIONS.

EQUIPMENT

STATION		hours		REMARKS
		MOTOR GRADER	MISC. EQUIPMENT	
FROM	TO			
36+29	74+11	29		LT. & RT., APPROACH SHAPING
TOTAL		29	0	

COLD MILLING *

STATION		sq. yards	REMARKS
		COLD MILLING	
FROM	TO	0.15 ft	
35+00	37+00	664	PROJECT BEGIN CONNECTION
36+29	74+11	2,500	APPROACHES, QTY. BASED ON CAD AREAS
74+96	76+21	664	OVERLAY TO S&C CONNECTION
TOTAL		3,829	

* SEE DETAILS

DIGOUT EXCAVATION *

STATION		cu. yards		sq. yards	REMARKS
		DIGOUT EXCAVATION	CRUSH AGG. COURSE	GEOTEXT. STABL	
FROM	TO				
43+66	44+43	17	11		CONCRETE APPROACH DIGOUT - NO. 1
46+79	47+51	14	9		CONCRETE APPROACH DIGOUT - NO. 2
69+45	70+11	19	13		CONCRETE APPROACH DIGOUT - NO. 3
71+63	72+36	20	13		CONCRETE APPROACH DIGOUT - NO. 4
74+96	76+21	129	96	333	DIGOUT NO. 1 - FULL WIDTH, 125' FULL DEPTH
06+80	07+49	28	22	100	DIGOUT NO. 2 - FULL PLANT MIX APRON
11+01	11+16	4	3	13	DIGOUT NO. 3 - FULL DEPTH
TOTAL		231	167	446	

* SEE DETAIL

SHEET NO.
05

SUMMARY SHEET

PROJECT NAME: WEST MAIN STREET - LAUREL
COUNTY: YELLOWSTONE COUNTY
PROJECT ID: UPP 6904(7)
UPN: 10290000

CHECKED BY	J. Fleming	10/12/23
REVIEWED BY	K. Shuck	10/12/23
DESIGNED BY	R. McNeely	10/12/23

10290000RDSUM001.DWG

MONTANA
Department of Transportation

ROAD PLANS

8/2/2022 10:26 AM

CURB

STATION		linear feet				REMARKS
		CONCRETE CURB AND GUTTER		REMOVE CURB AND GUTTER #		
FROM	TO	LEFT	RIGHT	LEFT	RIGHT	
00+87	01+35	48.0		48.0		
01+64	03+12	148.0		148.0		
02+67	03+20		53.0		53.0	
05+05	05+25	20.0		20.0		
05+50	06+38	88.0		88.0		
16+26	17+19	93.0		93.0		
23+18	23+34	16.3		18.0		2ND AVE - NW CORNER
23+68	23+83	15.2		15.0		2ND AVE - NE CORNER
SUBTOTAL		428.5	53.0	430.0	53.0	
TOTAL		481.5		~		

FOR INFORMATION ONLY - INCLUDED IN THE COST OF CURB AND GUTTER

SIDEWALK

STATION		sq. yards								linear feet	REMARKS
		CONCRETE SIDEWALK				DETECTABLE WARNING DEVICES		REMOVE SIDEWALK #		WIDTH	
		4"		6"		TYPE 1					
FROM	TO	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT		
00+87	01+35	28.9						28.9		5.0	
01+64	03+12	82.2						82.2		5.0	
02+67	03+20		29.4						29.4	5.0	
15+66	15+86		11.1						11.1	5.0	
16+26	16+55	25.8						25.8		8.0	
16+55	16+90			23.3				15.6		8.0	SEE STANDARD DETAIL DRAWING NO. 608-05
16+90	17+19	25.8						25.8		8.0	
23+12	23+42	55.9				1.1		55.9			2ND AVE. NW CORNER
23+62	23+87	64.0				1.1		64.0			2ND AVE. NE CORNER
SUBTOTAL		282.6	40.5	23.3	0.0	2.2	0.0	298.1	40.5	~	
TOTAL		323.1		23.3		2.2		~		~	

FOR INFORMATION ONLY - INCLUDE IN THE COST OF CURB AND GUTTER/SIDEWALK

SHEET NO. 06

SUMMARY SHEET

PROJECT NAME: WEST MAIN STREET - LAUREL
COUNTY: YELLOWSTONE COUNTY
PROJECT ID: UPP 6904(7)
UPN: 10290000

CHECKED BY	J. Fleming	10/12/23	
REVIEWED BY	K. Shuck	10/12/23	
DESIGNED BY	R. McNeely	10/12/23	10290000RDSUM001.DWG

MONTANA Department of Transportation

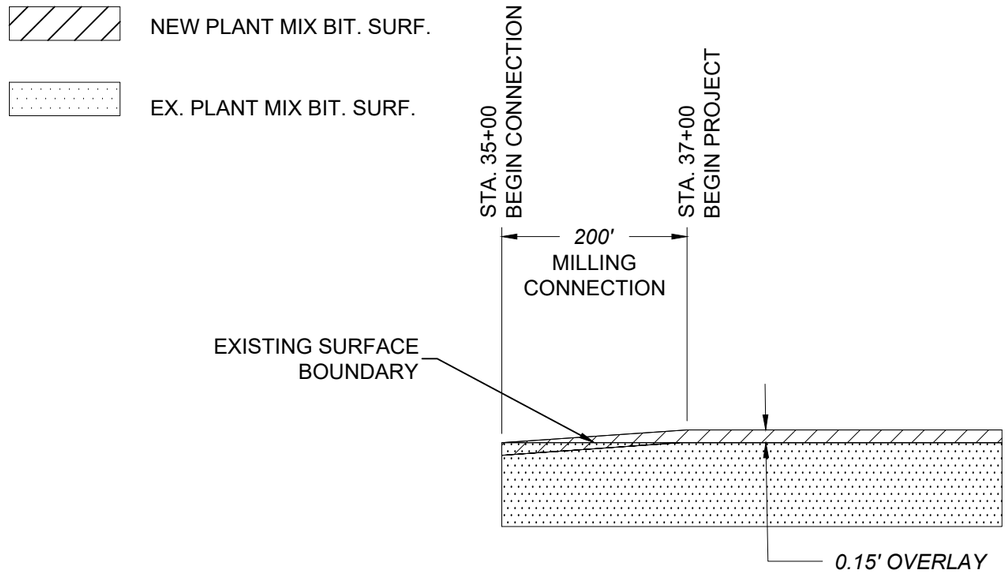
ROAD PLANS

8/2/2022 10:26 AM

AWARD COPY

PROJECT BEGIN CONNECTION





PROJECT END CONNECTION

SHEET NO. 07

PROJECT BEGIN CONNECTION & PROJECT END CONNECTION DETAILS

PROJECT NAME: WEST MAIN STREET - LAUREL

COUNTY	YELLOWSTONE COUNTY	
PROJECT ID	UPP 6904(7)	
UPN	10290000	
DESIGNED BY	R. McNeely	10/12/23
REVIEWED BY	K. Shuck	10/12/23
CHECKED BY	J. Fleming	10/12/23

MONTANA Department of Transportation

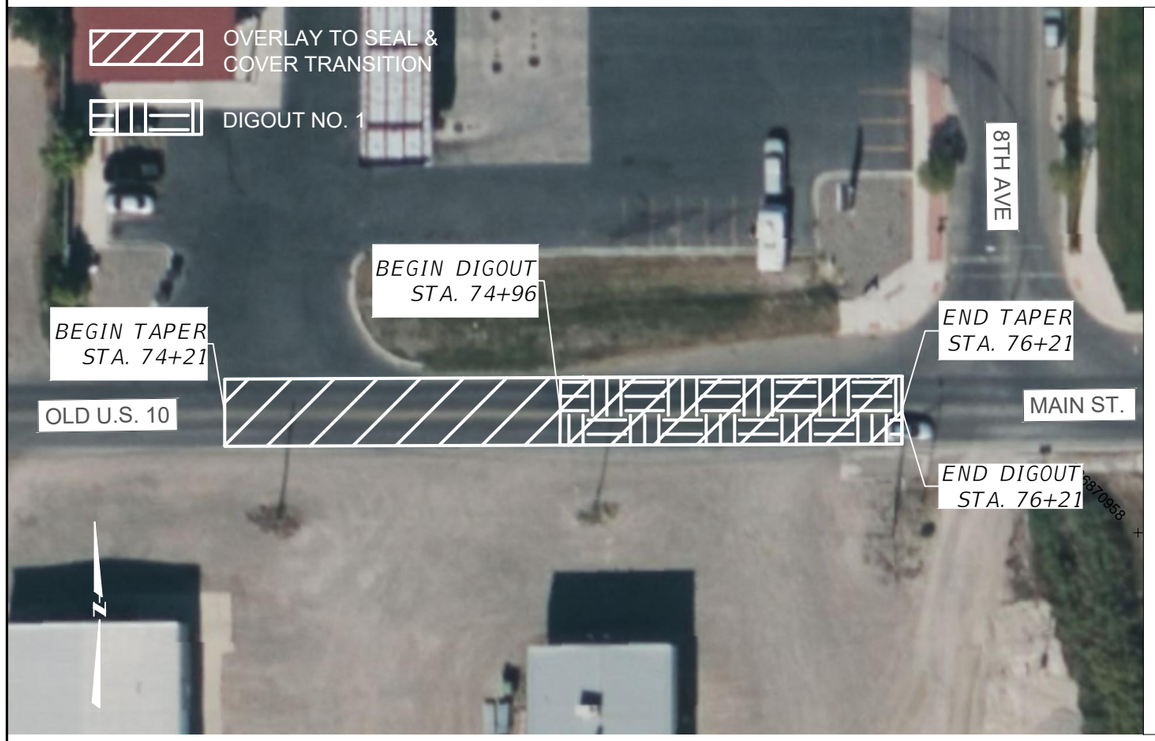
ROAD PLANS

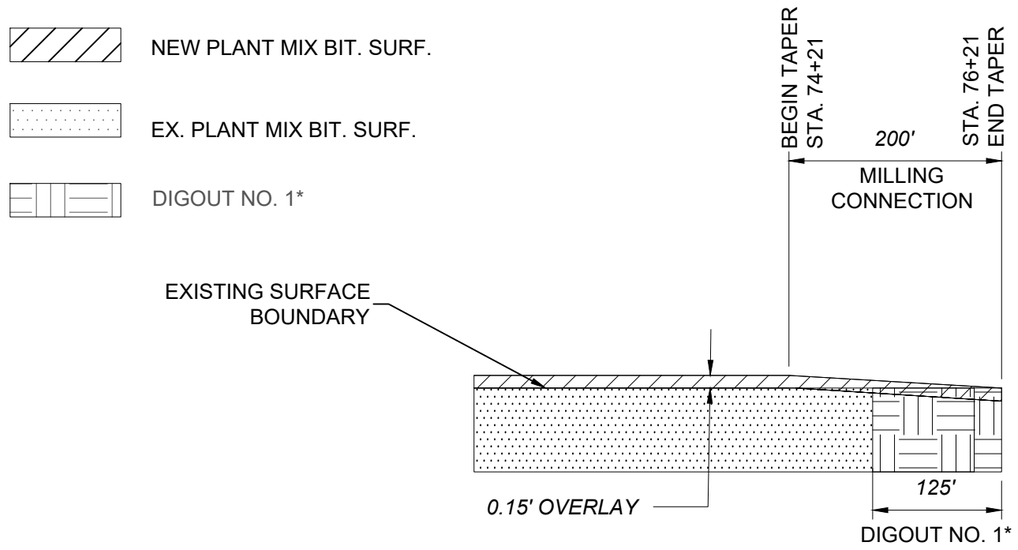
1/16/2024 4:27 PM

10290000RDDET001.DWG

AWARD COPY

OVERLAY TO SEAL & COVER TRANSITION





***NOTE:**

SEE MAINLINE DIGOUT DETAILS

CRACK SEALING DETAIL

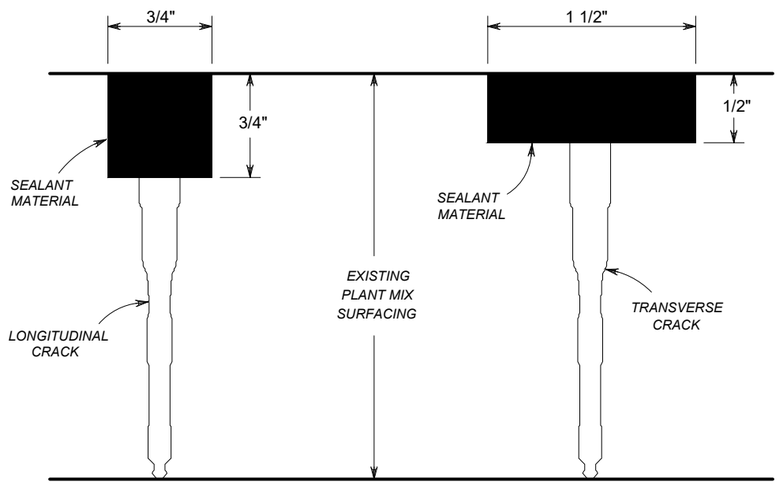
CRACKS 1/8" TO 1" WIDE

LONGITUDINAL CRACK

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

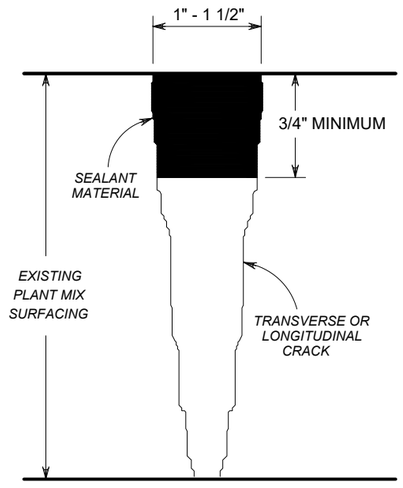
TRANSVERSE CRACK

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



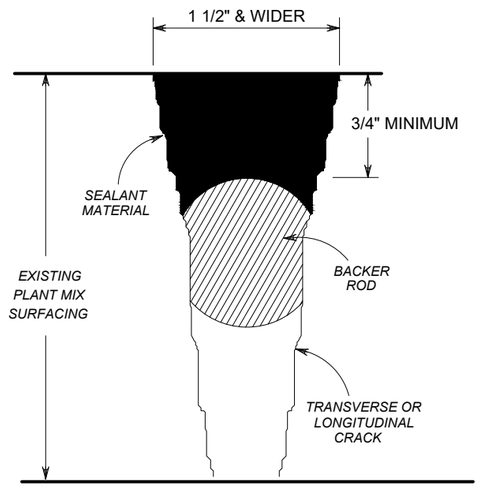
CRACKS 1" TO 1 1/2" WIDE

NO ROUTING REQUIRED



CRACKS 1 1/2" WIDE & LARGER

NO ROUTING REQUIRED
INSTALL BACKER ROD MATERIAL
PRIOR TO APPLYING SEALANT



NOTE:

SEE STANDARD SPECIFICATIONS

SHEET NO. 08

OVERLAY TO SEAL & COVER TRANSITION AND CRACK SEALING DETAILS

PROJECT NAME: WEST MAIN STREET - LAUREL
COUNTY: YELLOWSTONE COUNTY
PROJECT ID: UPP 6904(7)
UPN: 10290000

	CHECKED BY	REVIEWED BY	DESIGNED BY
	J. Fleming	K. Shuck	R. McNeely
	10/12/23	10/12/23	10/12/23

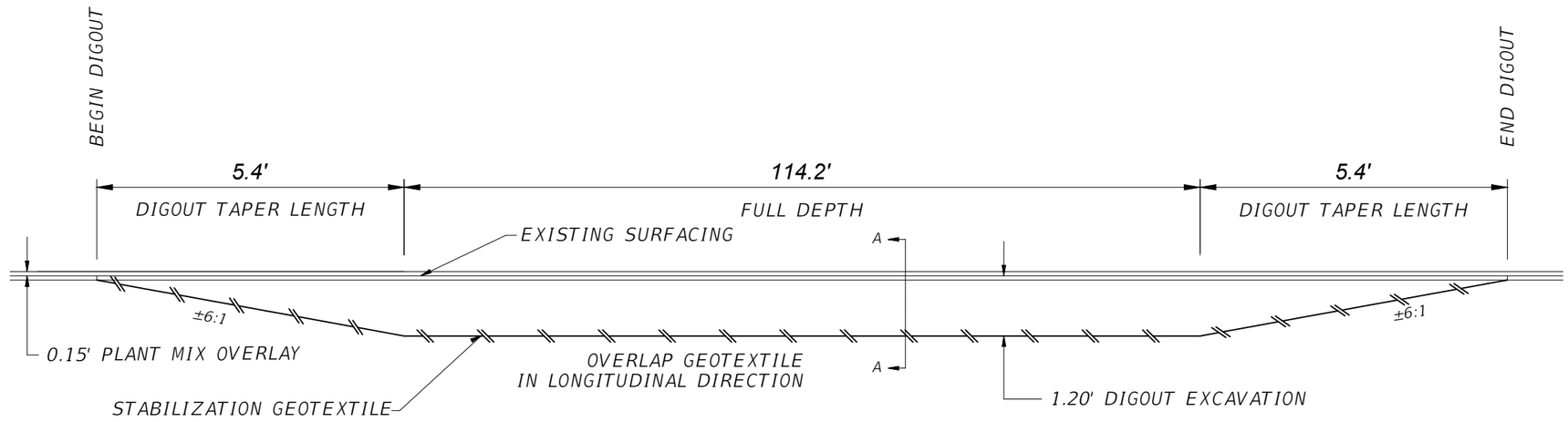
10290000RDDET001.DWG

MONTANA Department of Transportation

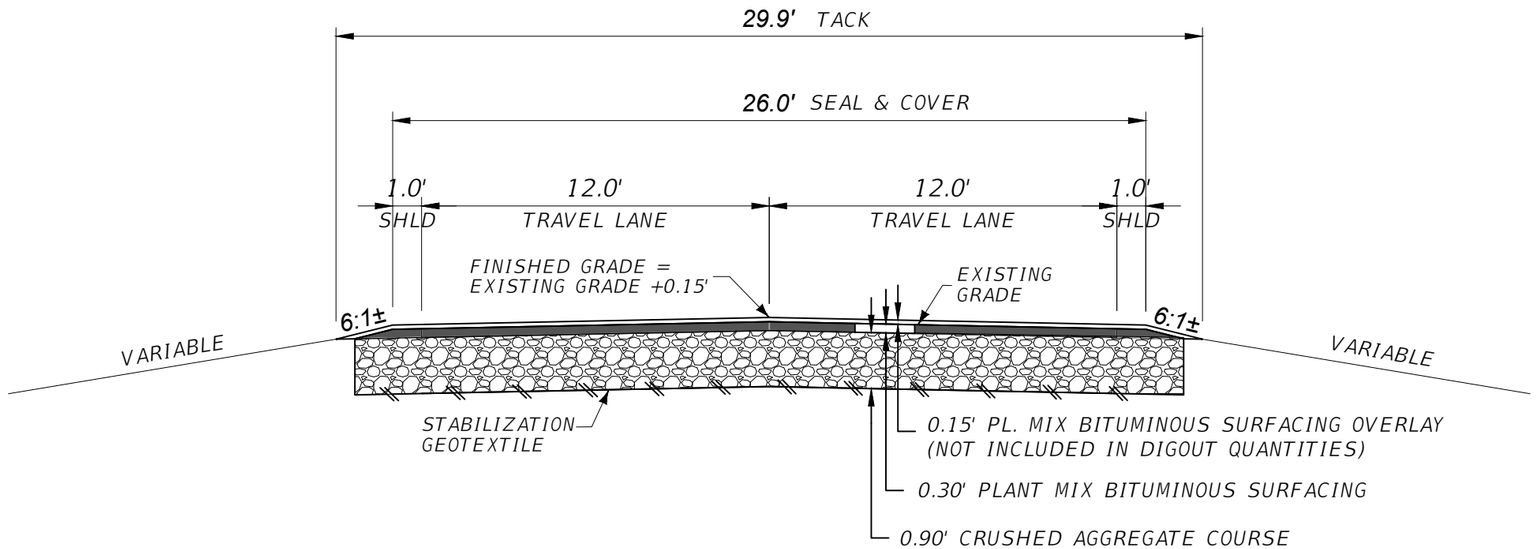
ROAD PLANS

1/16/2024 4:27 PM

75+01 TO 76+26 DIGOUT NO. 1



DIGOUT SECTION A-A



QUANTITIES

UNIT	AGGREGATE		UNIT	EMULSIFIED ASPHALT TACK*	STABALIZATION GEOTEXTILE
	CRUSHED AGG. COURSE	COMMERCIAL PLANT MIX			
AREA square feet	26.9	8.39	square yards PER STATION	289	
cubic yards PER STATION	99.7	31.1	tons PER STATION		
tons PER STATION		64.8	gals. PER STATION	34	
square yards PER STATION					266

*BASED ON 2 APPLICATIONS

NOTE:

FINAL DIGOUT LOCATION, LENGTH, AND DEPTH
IS AT THE PROJECT MANAGER'S DISCRETION

SHEET NO. 09

MAINLINE DIGOUT DETAILS

PROJECT NAME WEST MAIN STREET - LAUREL
COUNTY YELLOWSTONE COUNTY
PROJECT ID UPP 6904(7)
UPN 10290000

	CHECKED BY	REVIEWED BY	DESIGNED BY
	J. Fleming	K. Shuck	R. McNeely
	10/12/23	10/12/23	10/12/23

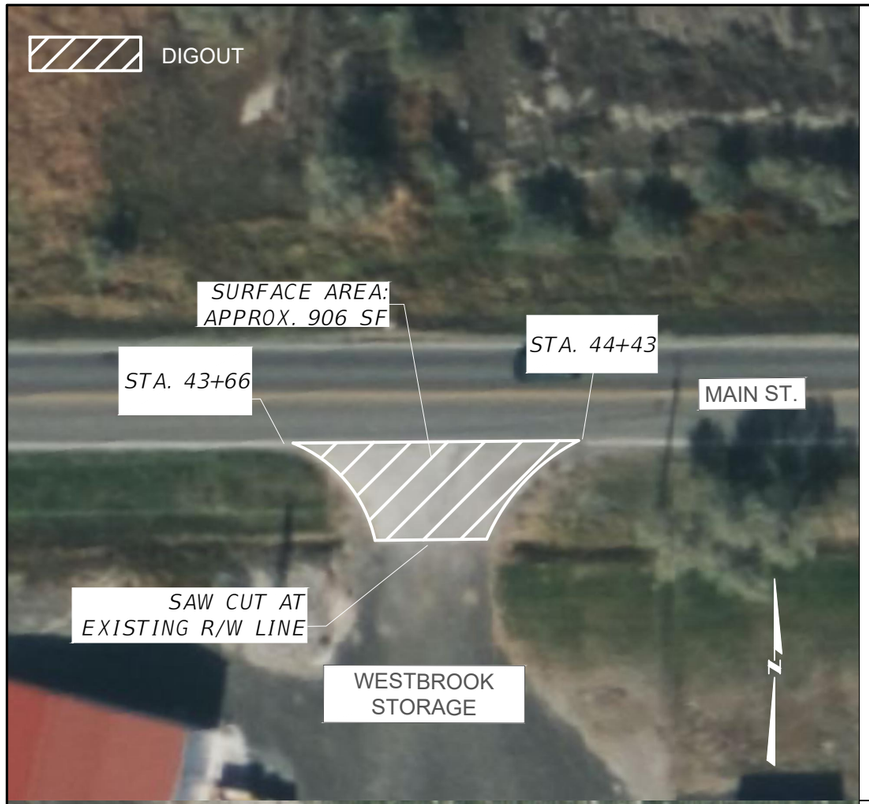
10290000RDDET001.DWG

MONTANA Department of Transportation

ROAD PLANS

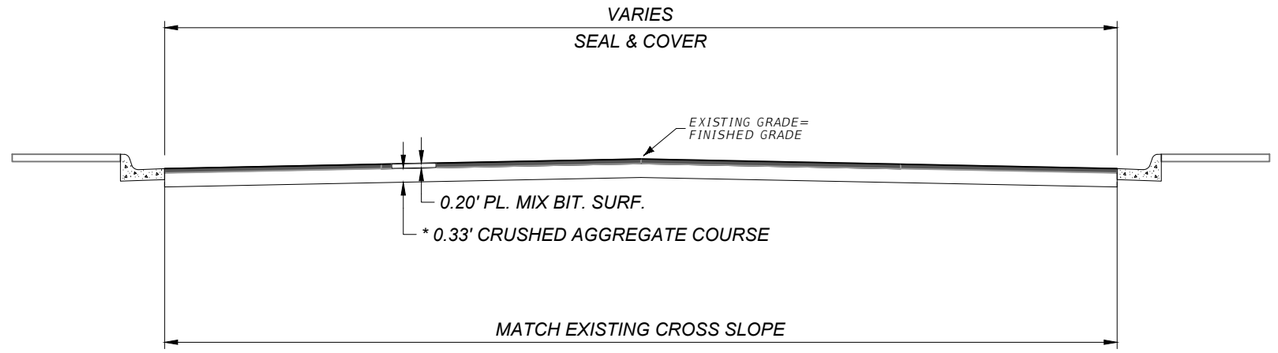
1/16/2024 4:27 PM

AWARD COPY



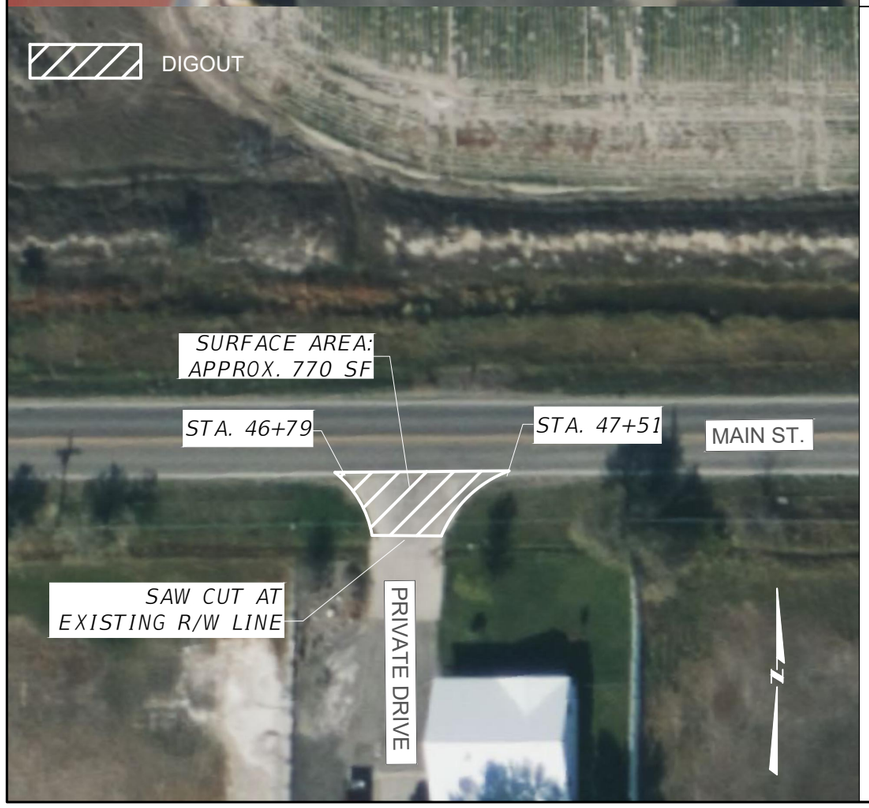
WESTBROOK STORAGE
CONCRETE APPROACH DIGOUT

43+66 TO 44+43 CONCRETE APPROACH NO. 1



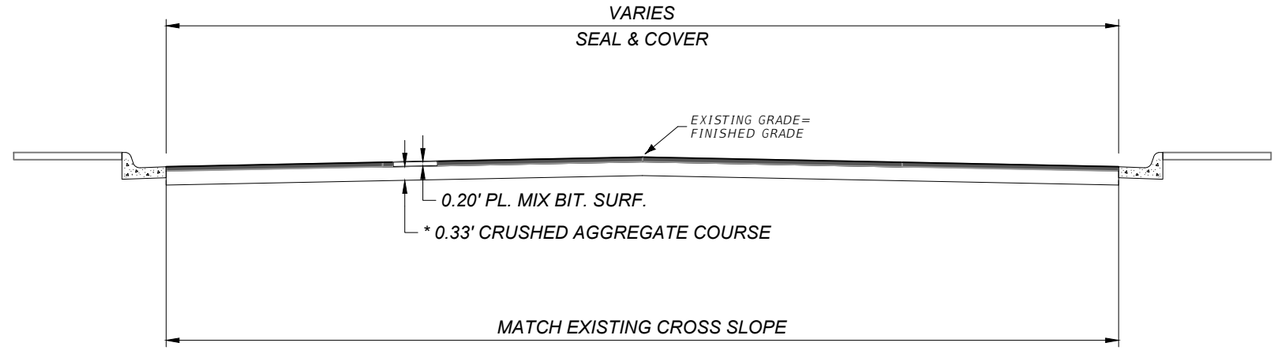
* NOTE:

FINAL CAC DEPTH IS AT THE PROJECT MANAGER'S DISCRETION



PRIVATE DRIVE
CONCRETE APPROACH DIGOUT

46+79 TO 47+51 CONCRETE APPROACH NO. 2



* NOTE:

FINAL CAC DEPTH IS AT THE PROJECT MANAGER'S DISCRETION

SHEET NO. 10

APPROACH DIGOUT DETAILS

PROJECT NAME: WEST MAIN STREET - LAUREL
COUNTY: YELLOWSTONE COUNTY
PROJECT ID: UPP 6904(7)
UPN: 10290000

CHECKED BY	J. Fleming	10/12/23
REVIEWED BY	K. Shuck	10/12/23
DESIGNED BY	R. McNeely	10/12/23

10290000RDDET001.DWG

MONTANA Department of Transportation

ROAD PLANS

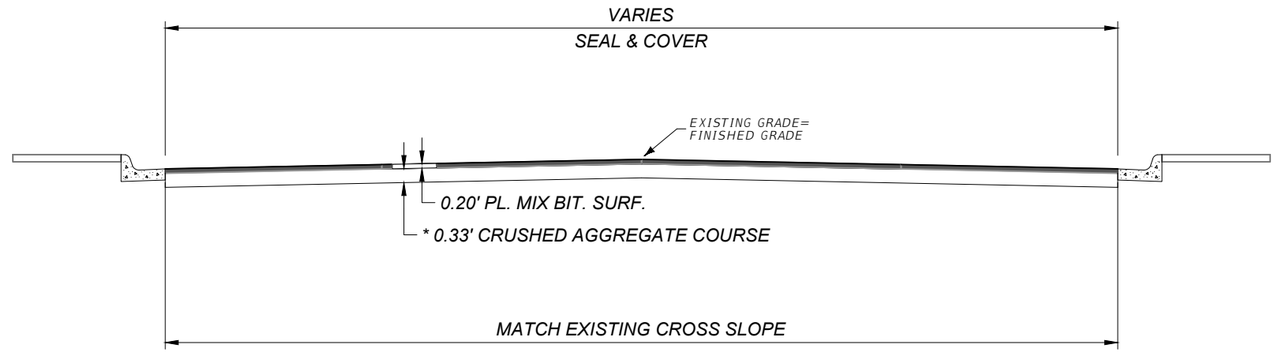
7/29/2022 8:00 AM

AWARD COPY



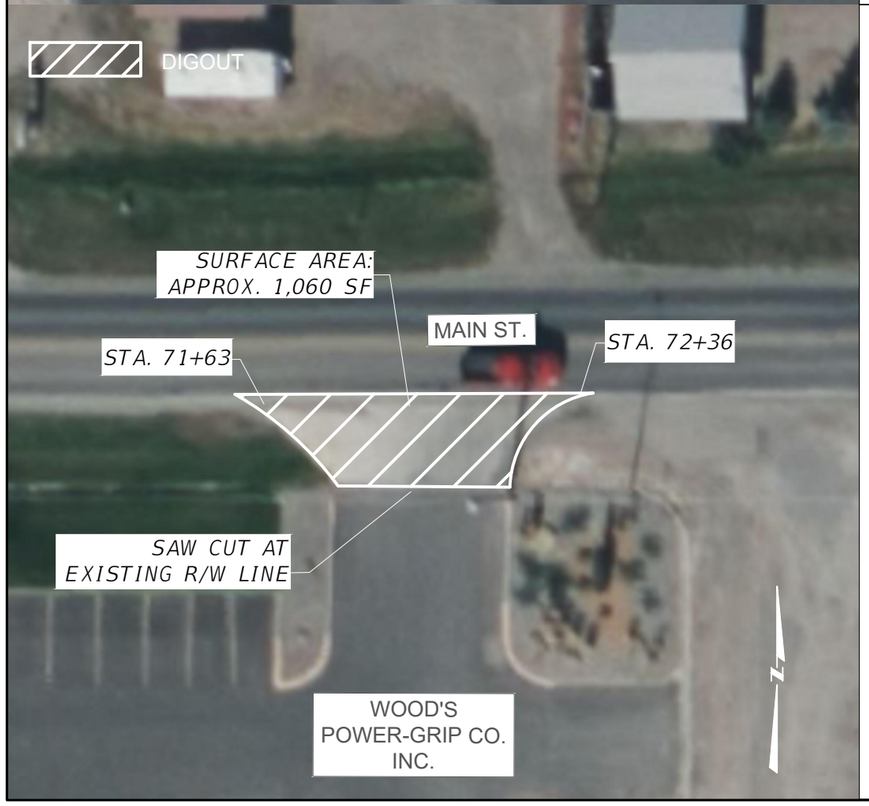
WOOD'S POWER-GRIP CO. INC., CONCRETE APPROACH DIGOUT

69+45 TO 70+11 CONCRETE APPROACH NO. 3



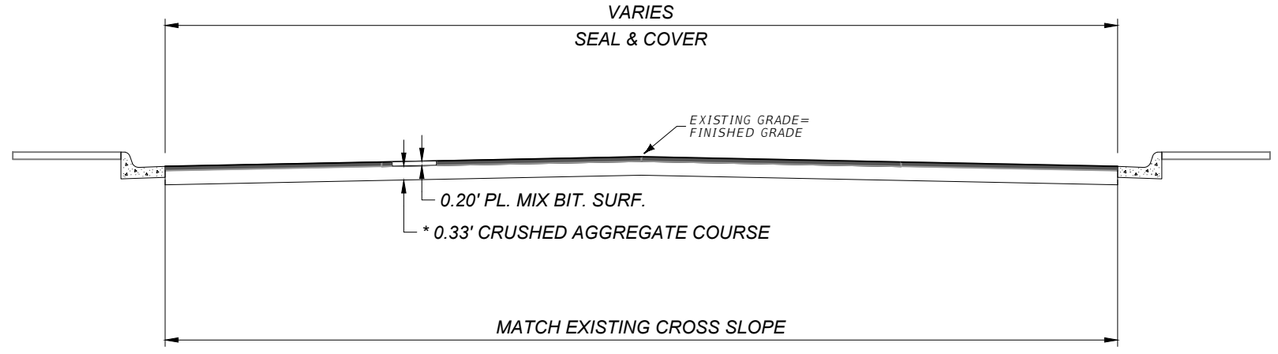
* NOTE:

FINAL CAC DEPTH IS AT THE PROJECT MANAGER'S DISCRETION



WOOD'S POWER-GRIP CO. INC., CONCRETE APPROACH DIGOUT

71+63 TO 72+36 CONCRETE APPROACH NO. 4



* NOTE:

FINAL CAC DEPTH IS AT THE PROJECT MANAGER'S DISCRETION

SHEET NO. 11

APPROACH DIGOUT DETAILS

PROJECT NAME WEST MAIN STREET - LAUREL
COUNTY YELLOWSTONE COUNTY
PROJECT ID UPP 6904(7)
UPN 10290000

DESIGNED BY	R. McNeely	10/12/23
REVIEWED BY	K. Shuck	10/12/23
CHECKED BY	J. Fleming	10/12/23

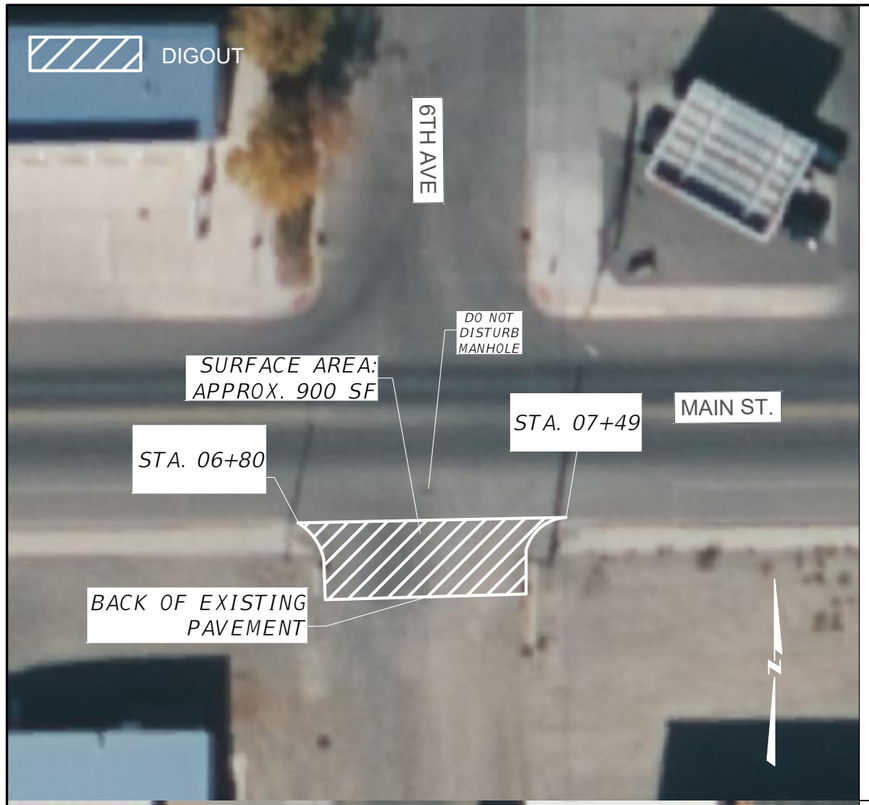
10290000RDDET001.DWG

MONTANA Department of Transportation

ROAD PLANS

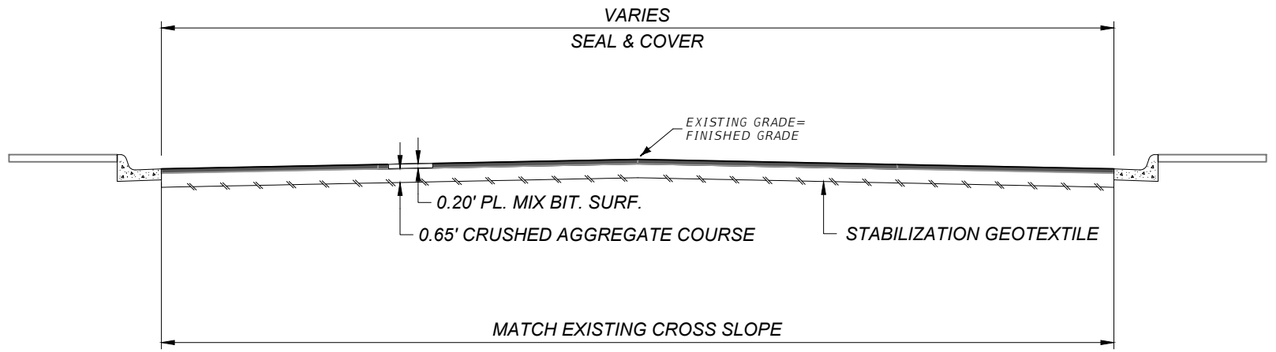
7/29/2022 8:00 AM

AWARD COPY



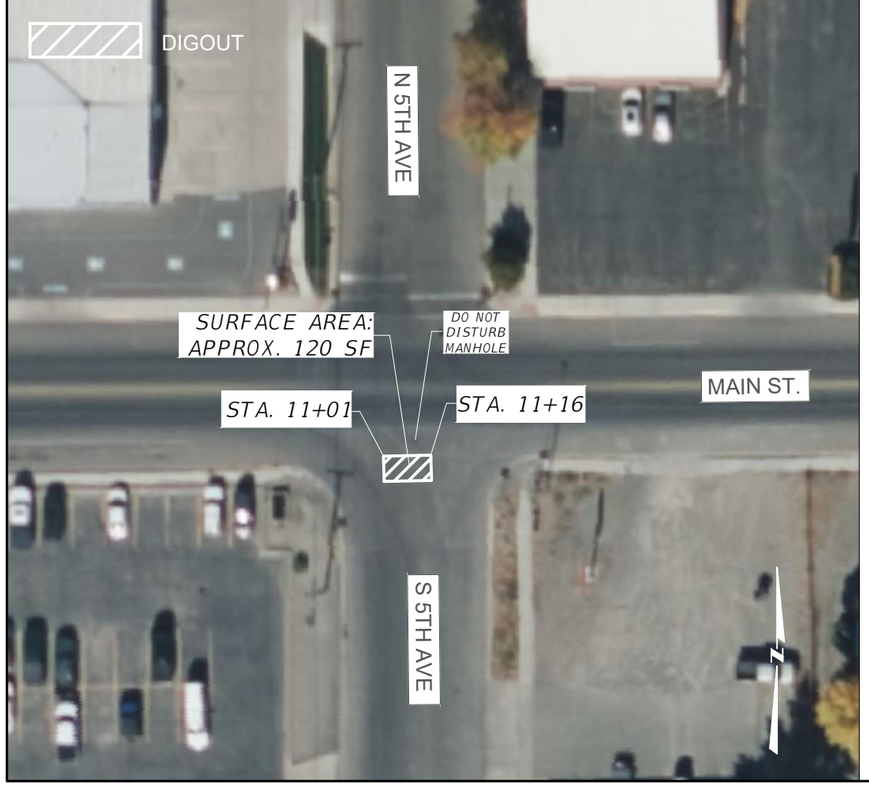
SOUTH OF 6TH AVE. & MAIN ST. INTERSECTION

06+80 TO 07+49 DIGOUT NO. 2



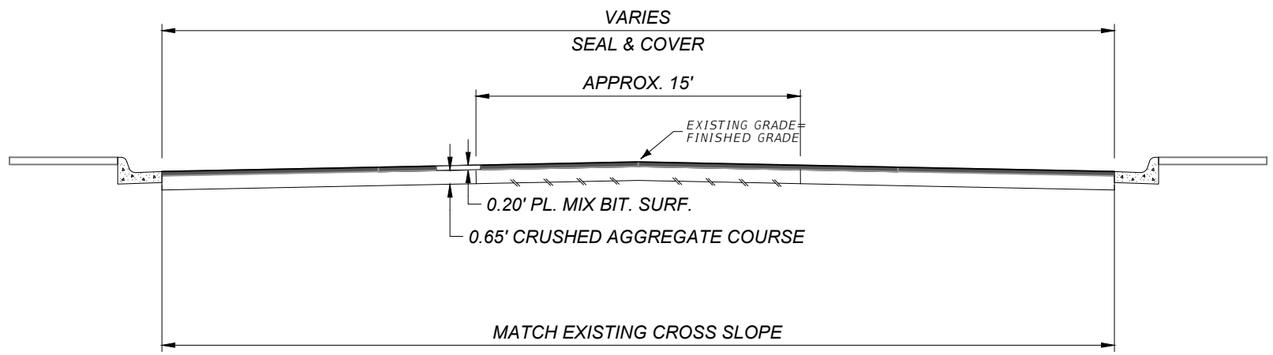
NOTE:

FINAL DIGOUT LOCATION, LENGTH, AND DEPTH IS AT THE PROJECT MANAGER'S DISCRETION



SOUTH OF 5TH AVE. & MAIN ST. INTERSECTION (NOT FULL WIDTH)

11+01 TO 11+16 DIGOUT NO. 3



NOTE:

THE LIMITS OF THIS DIGOUT ARE EXPECTED TO BE FINALIZED IN THE FIELD, FINAL DIGOUT LOCATION, LENGTH, AND DEPTH IS AT THE PROJECT MANAGER'S DISCRETION

SHEET NO. 12

APPROACH DIGOUT DETAILS

PROJECT NAME: WEST MAIN STREET - LAUREL
COUNTY: YELLOWSTONE COUNTY
PROJECT ID: UPP 6904(7)
UPN: 10290000

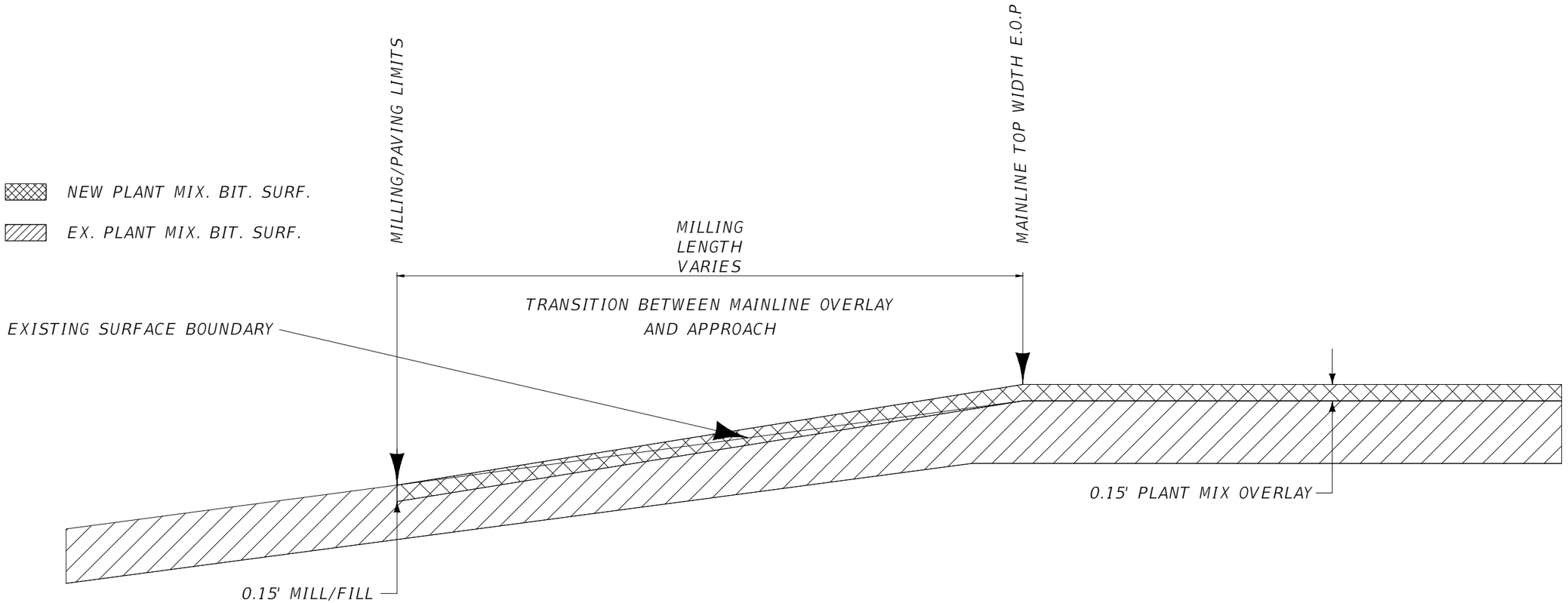
CHECKED BY	J. Fleming	10/12/23
REVIEWED BY	K. Shuck	10/12/23
DESIGNED BY	R. McNeely	10/12/23

10290000RDDET001.DWG

MONTANA Department of Transportation

ROAD PLANS

7/29/2022 8:00 AM



NOTES:

1. REFER TO SECTION 400 OF THE STANDARD SPECIFICATIONS FOR PLANT MIX SURFACING INSTALLATION
2. SEE APPROACHES TABLE FOR APPROACH LOCATIONS

SHEET NO. 13

APPROACH CONNECTION DETAILS

PROJECT NAME: WEST MAIN STREET - LAUREL
COUNTY: YELLOWSTONE COUNTY
PROJECT ID: UPP 6904(7)
UPN: 10290000

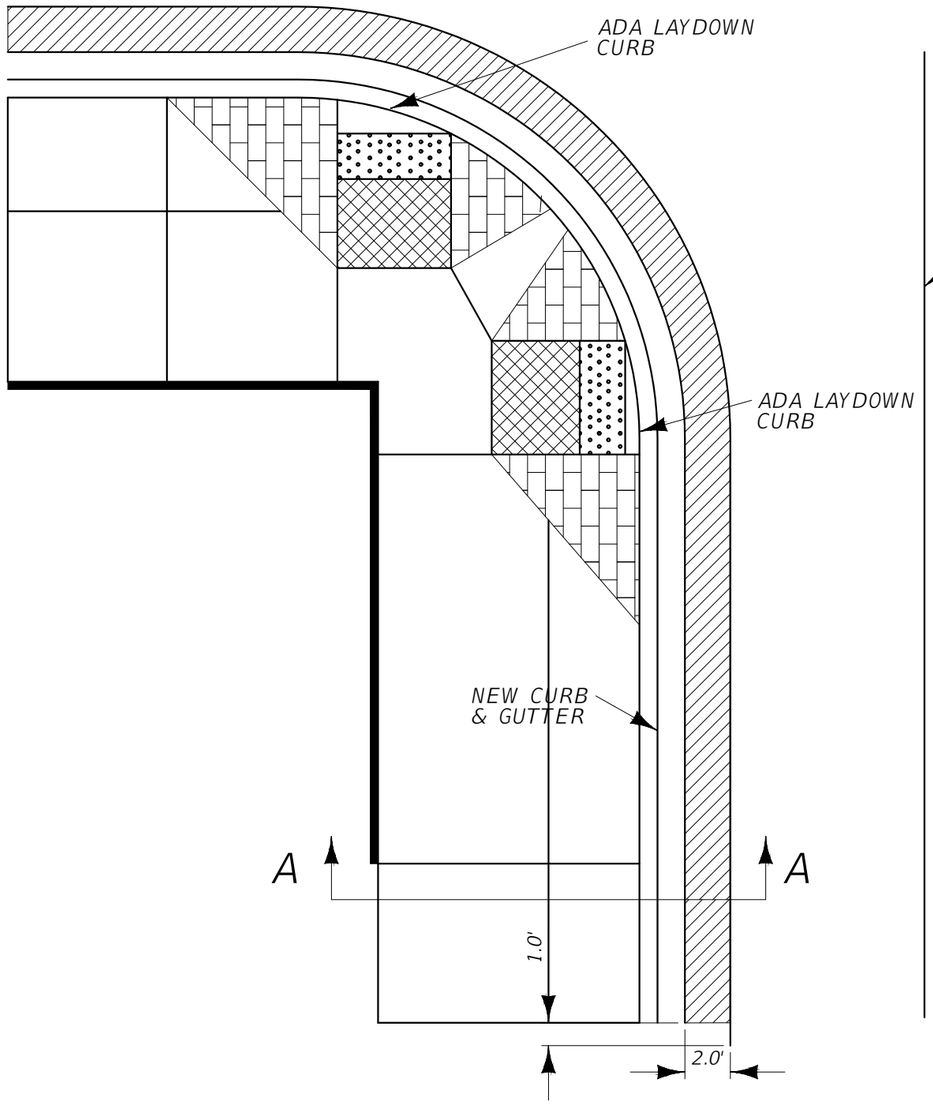
CHECKED BY	J. Fleming	10/12/23
REVIEWED BY	K. Shuck	10/12/23
DESIGNED BY	R. McNeely	10/12/23

MONTANA Department of Transportation

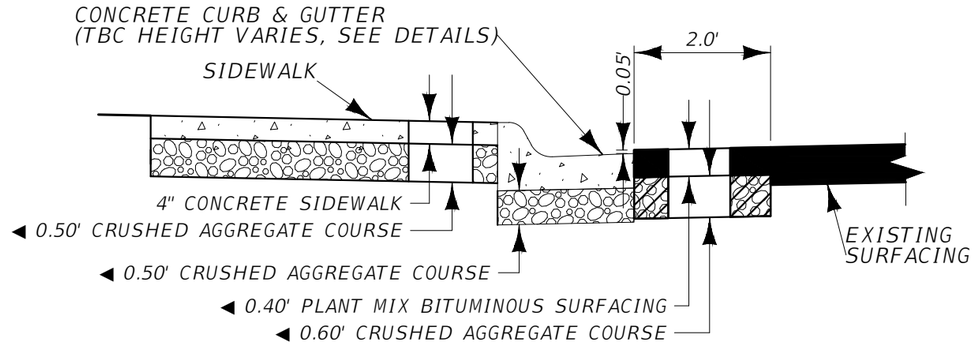
ROAD PLANS

1/16/2024 4:27 PM

10290000RDDET001.DWG



– EXCAVATION AREA AND NEW PLANT MIX SURFACING ◆



SECTION A-A

NOTES:

◆ – EXCAVATION AND NEW PLANT MIX SURFACING IS NEEDED WHERE NEW CURB AND GUTTER IS BEING INSTALLED & THE EXISTING ROADWAY SURFACE IS BEING UTILIZED.

◀ – THESE ITEMS ARE NOT MEASURED FOR PAYMENT INCLUDE IN THE COST OF NEW SIDEWALK OR CURB & GUTTER

PLACE PLANT MIX 0.05' HIGHER THAN THE FRONT OF GUTTER EXCEPT AT ADA RAMPS. MATCH PLANT MIX TO FRONT OF GUTTER THROUGH ADA RAMPS.

SHEET NO. 14

CURB EXCAVATION

PROJECT NAME WEST MAIN STREET - LAUREL
COUNTY YELLOWSTONE COUNTY
PROJECT ID UPP 6904(7)
UPN 10290000

DESIGNED BY	R. McNeely	10/12/23
REVIEWED BY	K. Shuck	10/12/23
CHECKED BY	J. Fleming	10/12/23

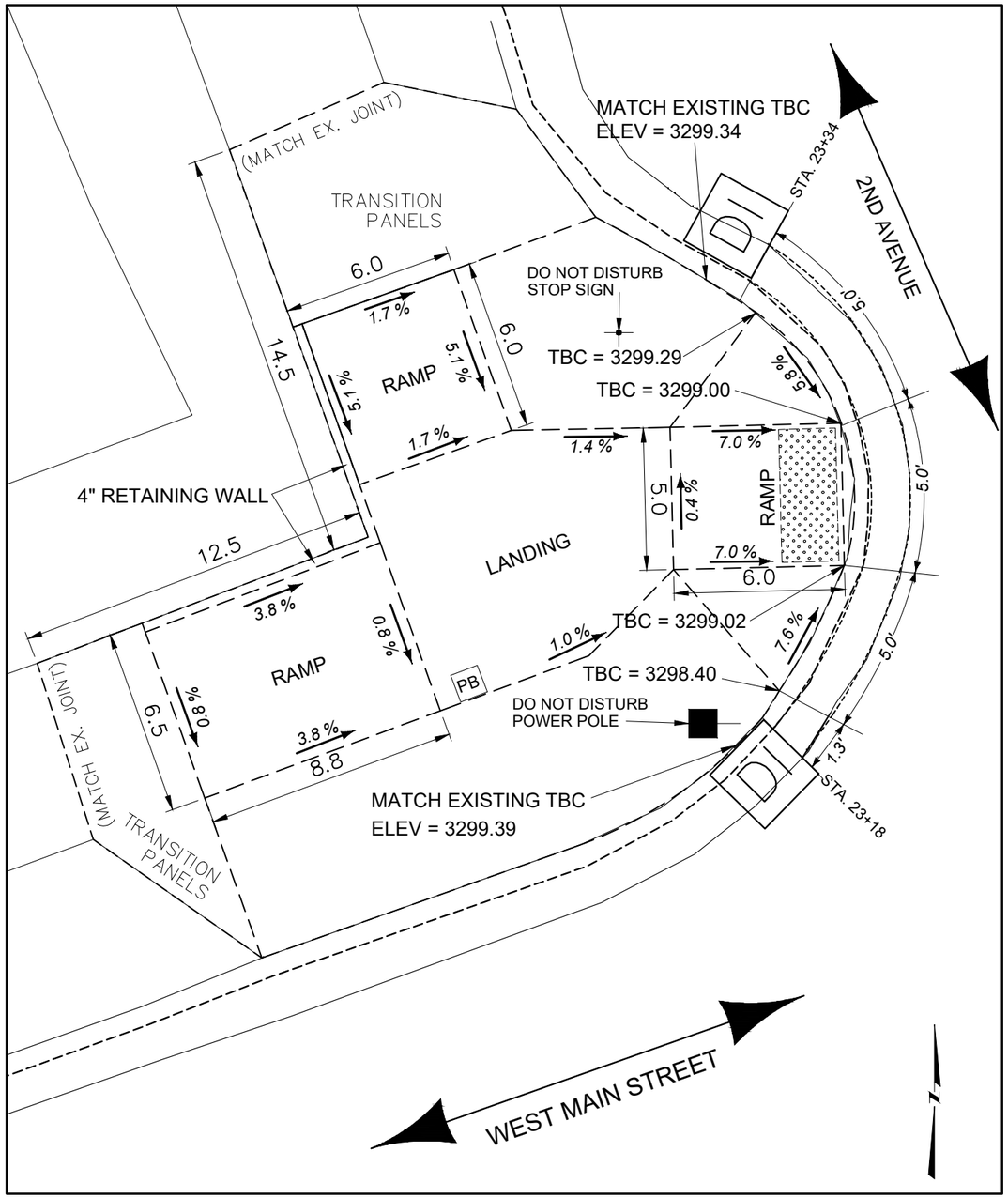
10290000RDDET001.DWG

MONTANA Department of Transportation

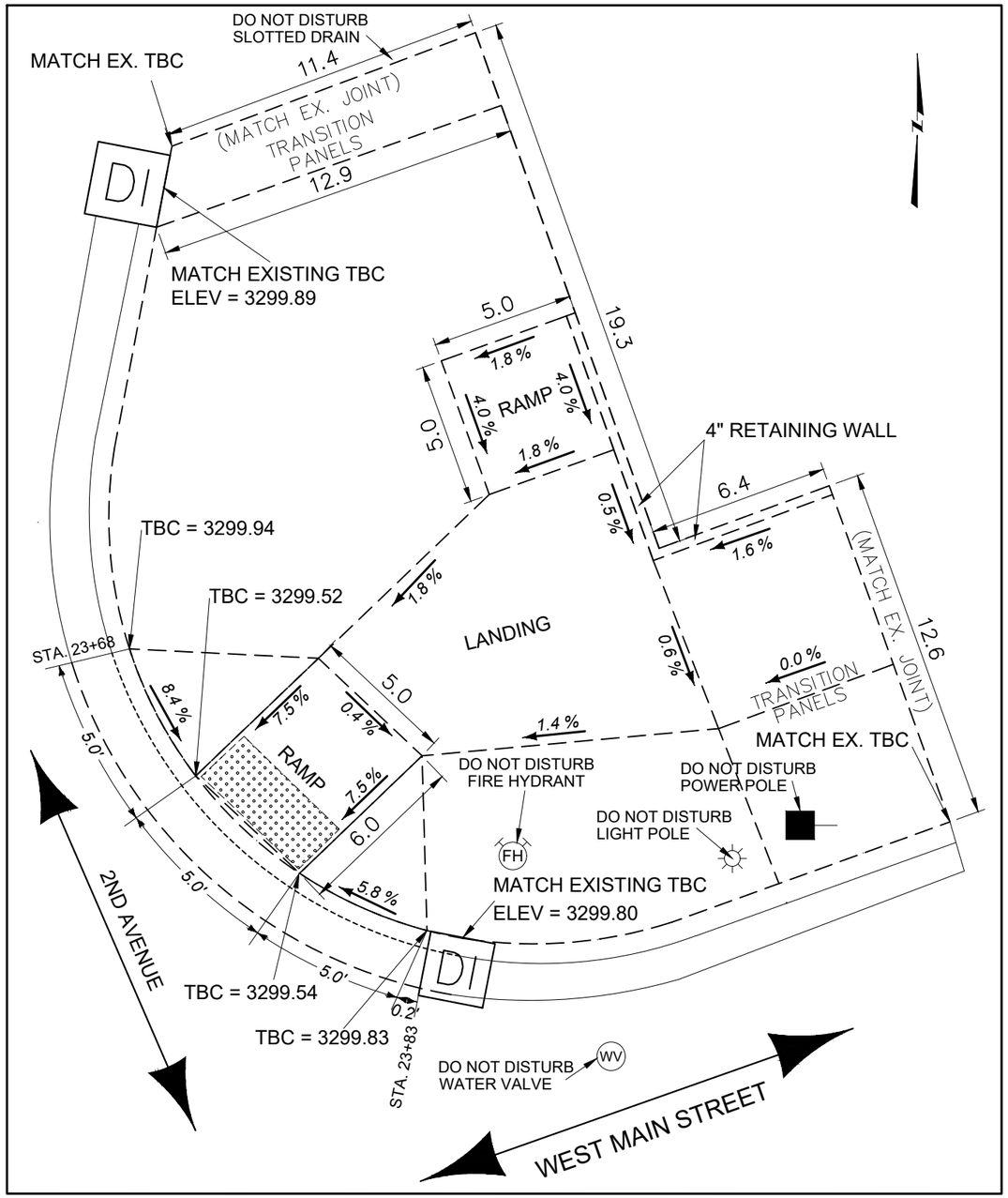
ROAD PLANS

1/16/2024 4:27 PM

INTERSECTION OF (2nd Ave. - Main St.)
NORTHWEST CORNER



INTERSECTION OF (2nd Ave. - Main 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.

2nd Ave. & Main St.
CURB RAMP DETAILS

NO SCALE

SHEET NO. 15

CURB RAMPS

PROJECT NAME: WEST MAIN STREET - LAUREL
COUNTY: YELLOWSTONE COUNTY
PROJECT ID: UPP 6904(7)
UPN: 10290000

	CHECKED BY	REVIEWED BY	DESIGNED BY
10/12/23	J. Fleming	K. Shuck	R. McNeely
10/12/23			
10/12/23			

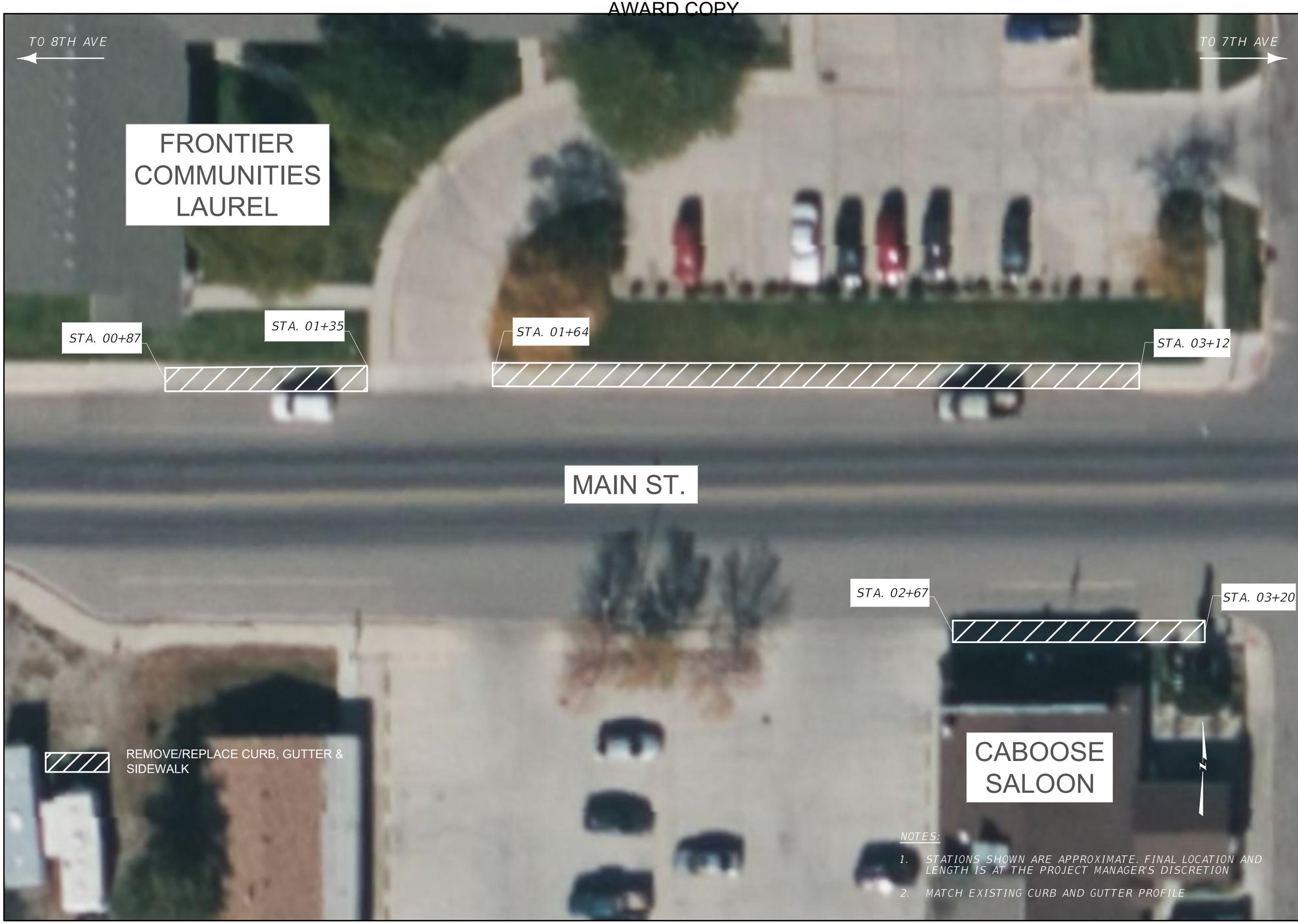
10290000RDADA001.DWG

MONTANA Department of Transportation

ROAD PLANS

1/16/2024 9:22 AM

AWARD COPY



NOTES:

1. STATIONS SHOWN ARE APPROXIMATE. FINAL LOCATION AND LENGTH IS AT THE PROJECT MANAGER'S DISCRETION
2. MATCH EXISTING CURB AND GUTTER PROFILE

SHEET NO. 16

CURB, GUTTER AND SIDEWALK REPLACEMENT

PROJECT NAME: WEST MAIN STREET - LAUREL
COUNTY: YELLOWSTONE COUNTY
PROJECT ID: UPP 6904(7)
UPN: 10290000

CHECKED BY	J. Fleming	10/12/23
REVIEWED BY	K. Shuck	10/12/23
DESIGNED BY	R. McNeely	10/12/23

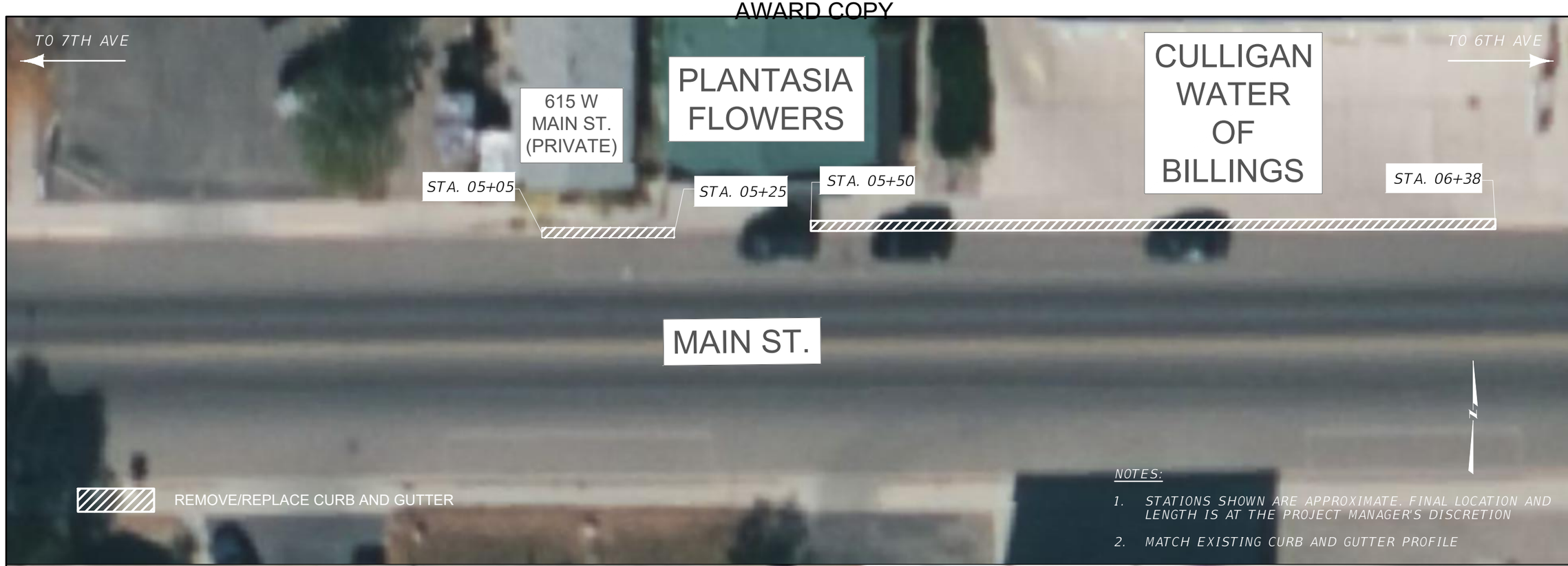
10290000RDDET001.DWG

MONTANA Department of Transportation

ROAD PLANS

1/16/2024 4:27 PM

AWARD COPY





SHEET NO. 17

CURB, GUTTER AND SIDEWALK REPLACEMENT

PROJECT NAME: WEST MAIN STREET - LAUREL
COUNTY: YELLOWSTONE COUNTY
PROJECT ID: UPP 6904(7)
UPN: 10290000

DESIGNED BY	R. McNeely	10/12/23
REVIEWED BY	K. Shuck	10/12/23
CHECKED BY	J. Fleming	10/12/23

10290000RDDET001.DWG

MONTANA Department of Transportation

ROAD PLANS

1/16/2024 4:27 PM