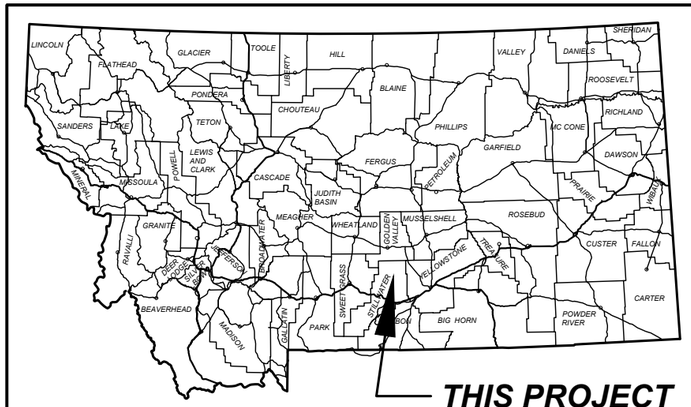
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MONTANA DEPARTMENT OF TRANSPORTATION

FEDERAL AID PROJECT STPS 78-2(35)45
SEAL AND COVER, GUARDRAIL AND GRADING
STILLWATER COUNTY IMPROVEMENTS
STILLWATER COUNTY AND YELLOWSTONE COUNTY

SHEET NO. 1

TITLE SHEET

SURFACING SOURCES - CONTRACTOR FURNISHED

PROJECT DESIGN DATA
SECONDARY 306

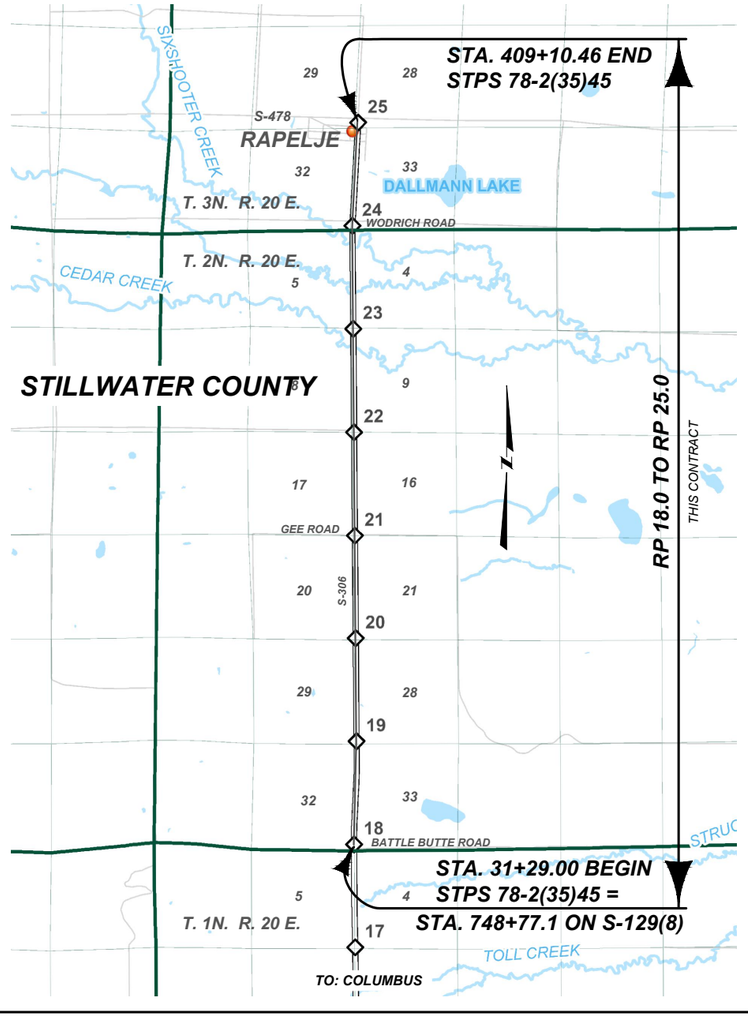
PRESENT	2024	A.D.T. =	180
LETTING	2025	A.D.T. =	190
DESIGN	2045	A.D.T. =	230
		D.H.V. =	30
		TRUCKS =	20.0%
		V. =	60MPH
		18 KIP ESAL'S =	14.0
		GROWTH RATE =	1.0%

PROJECT DESIGN DATA
SECONDARY 302

PRESENT	2024	A.D.T. =	220
LETTING	2026	A.D.T. =	220
DESIGN	2046	A.D.T. =	270
		D.H.V. =	40
		TRUCKS =	7.7%
		V. =	60MPH
		18 KIP ESAL'S =	9.0
		GROWTH RATE =	1.0%

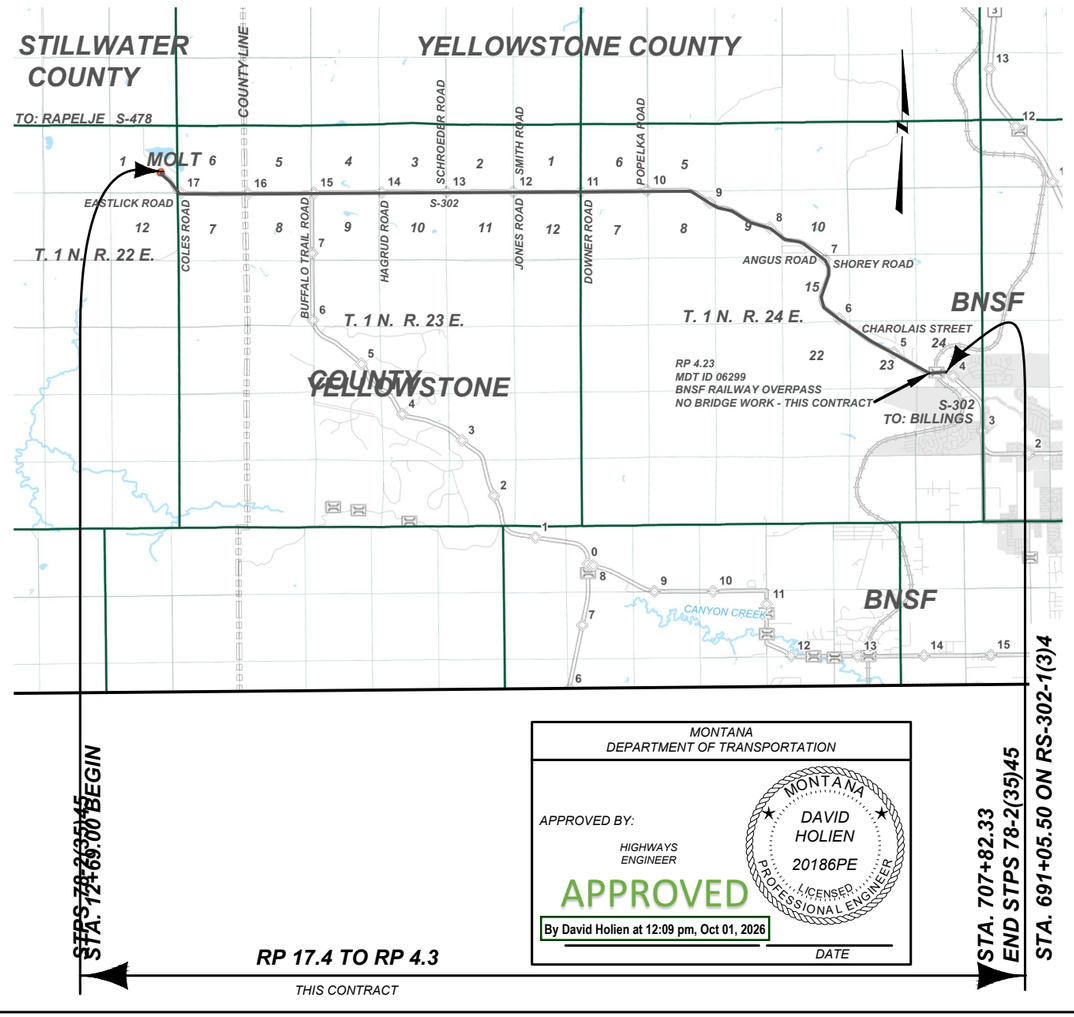
LENGTH 7.0 MILES

MT SECONDARY 306



LENGTH 13.1 MILES

MT SECONDARY 302



MONTANA
DEPARTMENT OF TRANSPORTATION

APPROVED BY:
HIGHWAYS ENGINEER

APPROVED

By David Holien at 12:09 pm, Oct 01, 2026

DATE

MONTANA
DAVID HOLIEN
20186PE
LICENSED PROFESSIONAL ENGINEER

PROJECT NAME: STILLWATER COUNTY IMPROVEMENTS
COUNTY: STILLWATER AND YELLOWSTONE COUNTIES
PROJECT ID: STPS 78-2(35)45
UPN: 10476000

DESIGNED BY	11/2024
L. CULWELL	
REVIEWED BY	03/2025
B. HENDERSON	
CHECKED BY	04/2026
J. CERECK	

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MONTANA
Department of Transportation

ROAD PLANS

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TABLE OF CONTENTS

ROAD PLANS	SHEET NO.
TITLE SHEET	1
TABLE OF CONTENTS	2
NOTES	2
CONTROL DIAGRAM	3
CENTERLINE COORDINATE TABLES	3
TYPICAL SECTIONS	4 - 6
SUMMARIES	7 - 9
SURFACING	7
ADDITIONAL SURFACING	7
CULVERTS	8
APPROACH PIPE	8
CULVERT SUMMARY RECAP	8
GUARDRAIL	9
REVEGETATION	9
PAVEMENT MARKINGS	9
PERMANENT EROSION CONTROL	9
DETAILS	10-17
BEGIN SECONDARY 306	10
CHRISTENSEN STREET INTERSECTION	11
MAIN STREET INTERSECTION	12
DALLMAN STREET INTERSECTION	13
END SECONDARY 306	14
BEGIN SECONDARY 302	15
END SECONDARY 302	16
COLES ROAD AND EASTLICK ROAD DETAIL	17
EROSION CONTROL	18
PLAN & PROFILE	19 - 20
COLES ROAD	19
EASTLICK ROAD	20

NOTES

BASIS OF PLAN QUANTITIES

(QUANTITIES FOR ESTIMATING PURPOSES ONLY)

COMP. AGGREGATE WEIGHT	= 3750 LBS. PER CUBIC YARD
BITUMINOUS MATERIAL	= 8.5 LBS. PER GAL.
SCRUB SEAL EMULSION/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. ALL CLEARANCES OR DEPTHS PROVIDED FOR UTILITIES ARE FROM EXISTING GROUND LINE.

AS-BUILT

THE AS-BUILT PROJECTS CAN BE REFERENCED FOR INFORMATION BUT THIS PROJECT WAS RESTATIONED USING BEST FIT AND LOCATIONS ARE APPROXIMATE. STATIONING WILL NOT ALIGN BETWEEN AS-BUILTS AND THIS CONTRACT.

S-306 AS-BUILTS RTF 306-1(7)11
S-302 AS-BUILTS STPS 302-2(1)16

STATIONING-REFERENCE POSTS

STATIONING ON MT SECONDARY 302 RUNS FROM WEST TO EAST. REFERENCE POSTS RUN FROM EAST TO WEST.

WETLANDS

A WETLAND DELINEATION HAS NOT BEEN COMPLETED FOR THIS PROJECT. NO IMPACTS TO WETLAND AREAS ARE ANTICIPATED IN ASSOCIATION WITH THE PROPOSED WORK. WETLANDS MAY EXIST WITHIN THE EXISTING RIGHT-OF-WAY, ADJACENT TO THE ROADWAY, OR BEYOND THE PROJECT LIMITS, BUT THEY ARE NOT SHOWN ON THESE PLANS. NO PERMITS HAVE BEEN OBTAINED. ANY ACTION IMPACTING WETLAND AREAS IS THE RESPONSIBILITY OF THE CONTRACTOR, INCLUDING ANY REQUIRED DELINEATION, PERMITTING, AND MITIGATION.

SHEET NO. 2

TABLE OF CONTENTS AND NOTES

PROJECT NAME: STILLWATER COUNTY IMPROVEMENTS
COUNTY: STILLWATER AND YELLOWSTONE COUNTIES
PROJECT ID: STPS 78-2(35)45
UPN: 10476000

DESIGNED BY	REVIEWED BY	CHECKED BY
L.CULWELL 11/2024	B.HENDERSON 03/2025	J.CERECK 04/2026

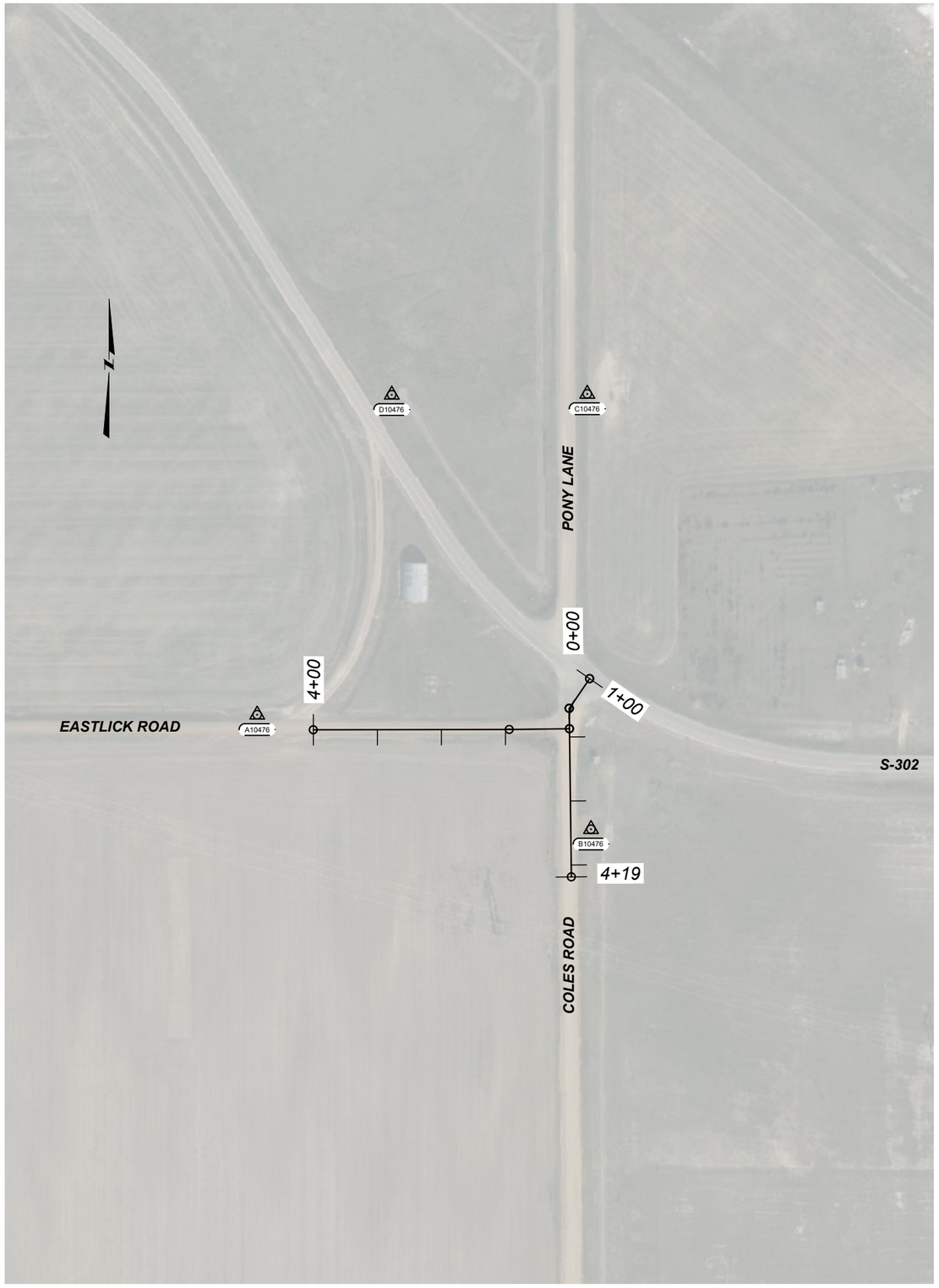
MONTANA Department of Transportation

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 0.99940627

BEARING SOURCE

GRID -- MONTANA COORDINATE SYSTEM NAD 83-2011.

LEVEL DATUM SOURCE

NAVD 88 ELEVATIONS DERIVED FROM DIFFERENTIAL LEVELS HOLDING GNSS DERIVED ELEVATION AT A10476.

CONTROL ABSTRACT

POINT NAME/NUMBER	N OR Y COORDINATE	E OR X COORDINATE	POINT ELEVATION	LOCATION AND DESCRIPTION
A10476	586,453.421	2,115,010.313	3,975.44	SET 2" MDT ALUM CAP STAMPED "A10476 2024" ON A 5/8" X 30" RBR. 0.08 MILES W OF INT OF COLES AND EAST LICK, 27' N OF CL, 3'S OF WP.
B10476	586,274.664	2,115,531.617	3,970.91	SET 2" MDT ALUM CAP STAMPED "B10476 2024" ON A 5/8" X 30" RBR. 174' S OF INT OF COLES AND EAST LICK, 39' E OF CL, 3' N OF WP.
C10476	586,954.360	2,115,525.758	3,956.97	SET 2" MDT ALUM CAP STAMPED "C10476 2024" ON A 5/8" X 30" RBR. 0.7 MILES N OF INT OF MOLT RD S-302 AND PONY LN, 36' E OF CL, 3' W OF WP.
D10476	586,953.035	2,115,220.480	3,961.30	SET 2" MDT ALUM CAP STAMPED "D10476 2024" ON A 5/8" X 30" RBR. AT MP 17.1 OF HWY S-302, 60' E OF CL, 3' W OF WP.

CENTERLINE COORDINATE TABLE - 10476000_PRO_ALN_COLES

STATION	DESCRIPTION	N OR Y COORDINATE	E OR X COORDINATE	LOCATION AND DESCRIPTION
1+00.00	BOA	586,509.760	2,115,529.539	
1+40.46	PC	586,476.425	2,115,506.603	
1+71.23	PT	586,447.451	2,115,497.799	
4+19.00	EOA	586,200.186	2,115,500.927	

ALIGNMENT - 10476000_PRO_ALN_COLES

CENTERLINE COORDINATE TABLE - 10476000_PRO_ALN_EASTLICK

STATION	DESCRIPTION	N OR Y COORDINATE	E OR X COORDINATE	LOCATION AND DESCRIPTION
0+00.00	BOA	586,431.578	2,115,497.999	
0+90.24	PC	586,430.436	2,115,407.762	
0+97.90	PT	586,430.381	2,115,400.103	
4+00.00	EOA	586,429.841	2,115,098.010	

ALIGNMENT - 10476000_PRO_ALN_EASTLICK

SHEET NO. 3

CONTROL DIAGRAM AND CENTERLINE COORDINATE TABLES

PROJECT NAME: STILLWATER COUNTY IMPROVEMENTS
COUNTY: STILLWATER AND YELLOWSTONE COUNTIES
PROJECT ID: STPS 78-2(35)45
UPN: 10476000

DESIGNED BY	REVIEWED BY	CHECKED BY
L.CULWELL 11/2024	B.HENDERSON 03/2025	J.CERECK 04/2026

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MONTANA Department of Transportation

ROAD PLANS

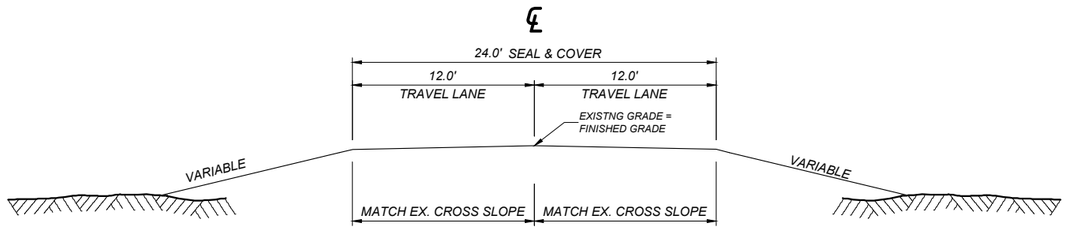
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TYPICAL SECTION NO. 1

S-302

12+69.00 TO 609+10.00 BEGIN PROJECT TYPICAL NO. 1
609+10.00 TO 610+10.00 TRANS. TYP. SECTION NO. 1 TO NO. 2

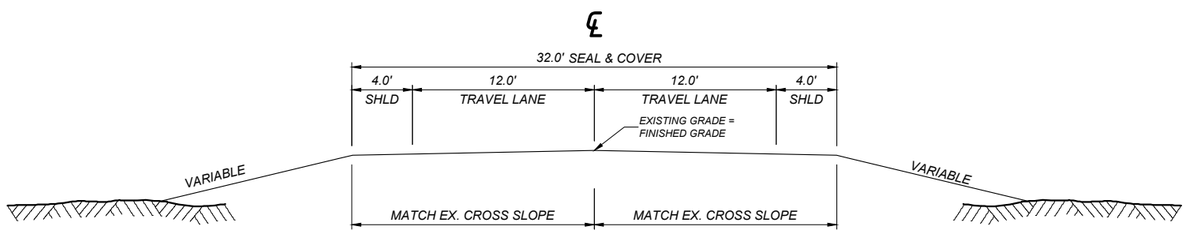


QUANTITIES			
UNIT	AGGREGATE COVER	UNIT	EMULSIFIED ASPHALT SEAL
AREA square feet		square yards PER STATION	267
cubic yards PER STATION		tons PER STATION	0.48
tons PER STATION		gals. PER STATION	
square yards PER STATION	267		

TYPICAL SECTION NO. 2

S-302

610+10.00 TO 707+82.33 TYPICAL NO. 2 END PROJECT



QUANTITIES			
UNIT	AGGREGATE COVER	UNIT	EMULSIFIED ASPHALT SEAL
AREA square feet		square yards PER STATION	356
cubic yards PER STATION		tons PER STATION	0.64
tons PER STATION		gals. PER STATION	
square yards PER STATION	356		

SHEET NO. 4

TYPICAL SECTION

PROJECT NAME STILLWATER COUNTY IMPROVEMENTS
COUNTY STILLWATER AND YELLOWSTONE COUNTIES
PROJECT ID STPS 78-2(35)45
UPN 10476000

DESIGNED BY L.CULWELL 11/2024
REVIEWED BY B.HENDERSON 03/2025
CHECKED BY J.CERECK 04/2026

MONTANA Department of Transportation

ROAD PLANS

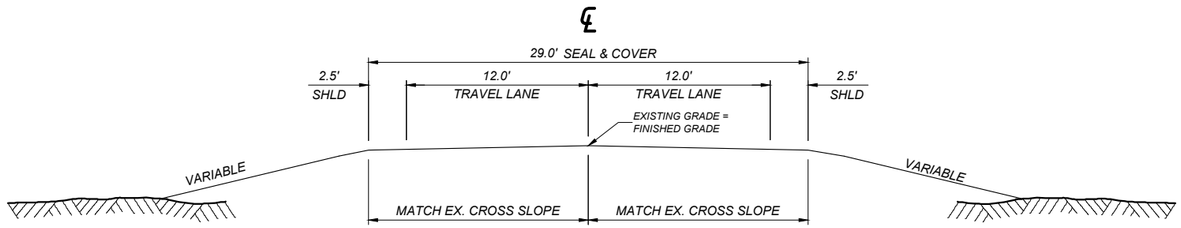
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TYPICAL SECTION NO. 3

S-306

31+29.00 TO 399+06.37 BEGIN PROJECT TYPICAL NO. 3
399+06.37 TO 401+36.37 TRANS. TYP. SECTION NO. 3 TO NO. 4

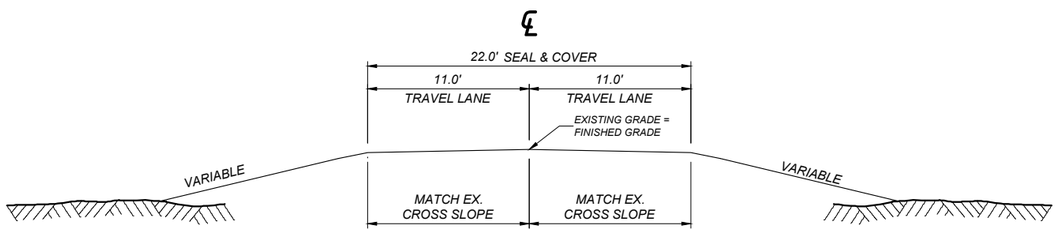


QUANTITIES			
UNIT	AGGREGATE COVER	UNIT	EMULSIFIED ASPHALT SEAL
AREA square feet		square yards PER STATION	322
cubic yards PER STATION		tons PER STATION	0.58
tons PER STATION		gals. PER STATION	
square yards PER STATION	322		

TYPICAL SECTION NO. 4

S-306

401+36.37 TO 409+10.46 TYPICAL NO. 4 END PROJECT



QUANTITIES			
UNIT	AGGREGATE COVER	UNIT	EMULSIFIED ASPHALT SEAL
AREA square feet		square yards PER STATION	244
cubic yards PER STATION		tons PER STATION	0.44
tons PER STATION		gals. PER STATION	
square yards PER STATION	244		

SHEET NO. 5

TYPICAL SECTION

PROJECT NAME STILLWATER COUNTY IMPROVEMENTS
COUNTY STILLWATER AND YELLOWSTONE COUNTIES
PROJECT ID STPS 78-2(35)45
UPN 10476000

DESIGNED BY L.CULWELL 11/2024
REVIEWED BY B.HENDERSON 03/2025
CHECKED BY J.CERECK 04/2026

MONTANA Department of Transportation

ROAD PLANS

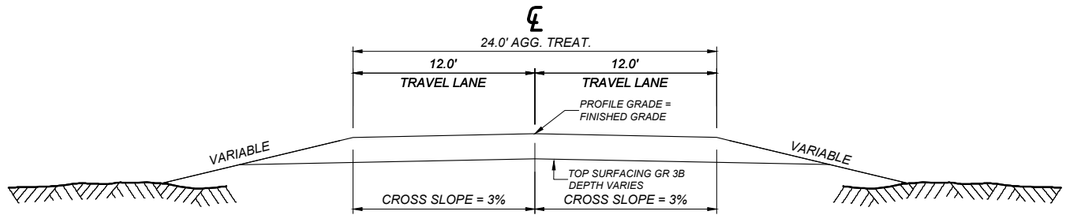
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1+10.52 TO 3+75.00 TYPICAL NO. 5

TYPICAL SECTION NO. 5

COLES ROAD

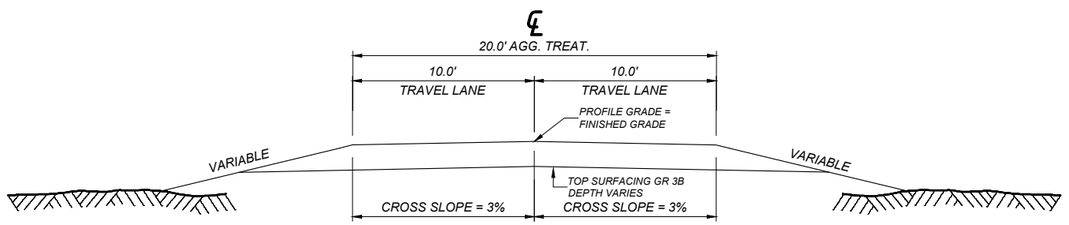


QUANTITIES MEASURED IN CAD
SEE SURFACING FRAME

0+14.62 TO 2+20.00 TYPICAL NO. 6

TYPICAL SECTION NO. 6

EASTLICK ROAD



QUANTITIES MEASURED IN CAD
SEE SURFACING FRAME

SHEET NO. 6

TYPICAL SECTION

PROJECT NAME STILLWATER COUNTY IMPROVEMENTS
COUNTY STILLWATER AND YELLOWSTONE COUNTIES
PROJECT ID STPS 78-2(35)45
UPN 10476000

DESIGNED BY		CHECKED BY	
L.CULWELL	11/2024	J.CERECK	04/2026
REVIEWED BY			
B.HENDERSON	03/2025		

MONTANA Department of Transportation

ROAD PLANS

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SURFACING

STATION FROM	STATION TO	linear feet GROSS	linear feet NET	linear feet +	linear feet -	FOR	AGGREGATE sq. yards COVER TYPE 1	AGGREGATE cu. yards TOP SURFACING GR 3B	AGGREGATE cu. yards SHOULDER GRAVEL	BIT. MAT. tons EMULSIFIED ASPHALT CHFRS-2P SEAL	sq. yards AGG. TREAT.	REMARKS
SECONDARY 302												
12+69.00	609+10.00	59,641.00	59,641.00				159,241			286.3		TYPICAL NO. 1
609+10.00	610+10.00	100.00	100.00				312			0.6		TRANS. TYPICAL NO. 1 TO TYPICAL NO. 2
610+10.00	707+82.33	9,772.33	9,772.33				34,789			62.5		TYPICAL NO. 2
SUBTOTAL		69,513.33	69,513.33				194,342			349.4		
SECONDARY 306												
31+29.00	399+06.37	36,777.37	36,777.37				118,423			213.3		TYPICAL NO. 3
399+06.37	401+36.37	230.00	230.00				651			1.2		TRANS. TYPICAL NO. 3 TO TYPICAL NO. 4
401+36.37	409+10.46	774.09	774.09				1,889			3.4		TYPICAL NO. 4
SUBTOTAL		37,781.46	37,781.46				120,963			217.9		
						ADDITIONAL SURFACING	1,744	1,081	100	3.1	1,162	
TOTAL		**107,294.79**	**107,294.79**	~	~		**317,049**	1,081	**100**	**570.4**	1,162	

ADDITIONAL SURFACING (INCLUDED IN SURFACING FRAME)

STATION FROM	STATION TO	linear feet GROSS	linear feet NET	linear feet +	linear feet -	FOR	AGGREGATE sq. yards COVER TYPE 1	AGGREGATE cu. yards TOP SURFACING GR 3B	AGGREGATE cu. yards SHOULDER GRAVEL	BIT. MAT. tons EMULSIFIED ASPHALT CHFRS-2P SEAL	sq. yards AGG. TREAT.	REMARKS
SECONDARY 302												
						STILLWATER COUNTY	140			0.2		BOP DETAIL
SECONDARY 306												
						STILLWATER COUNTY			50			GUARDRAIL WIDENING LT.
						STILLWATER COUNTY			50			GUARDRAIL WIDENING RT.
						STILLWATER COUNTY	176			0.3		CHRISTENSEN STREET DETAIL
						STILLWATER COUNTY	438			0.8		MAIN STREET DETAIL
						STILLWATER COUNTY	376			0.7		DALLMAN STREET DETAIL
						STILLWATER COUNTY	614			1.1		EOP DETAIL
COLES ROAD												
1+10.52	3+75.00	264.48	264.48					611			706	TYPICAL NO. 5 - QUANTITIES MEASURED IN CAD
SUBTOTAL		264.48	264.48					611			706	FIELD APP. @ 3+38 INCLUDED IN COLES ROAD
EASTLICK ROAD												
0+14.62	2+20.00	205.38	205.38					470			456	TYPICAL NO. 6 - QUANTITIES MEASURED IN CAD
SUBTOTAL		205.38	205.38					470			456	
SUBTOTAL		~	~	~	~		**1,744**	**1081**	**100**	**3.1**	**1162**	

SHEET NO. 7

SUMMARY

PROJECT NAME STILLWATER COUNTY IMPROVEMENTS
COUNTY STILLWATER AND YELLOWSTONE COUNTIES
PROJECT ID STPS 78-2(35)45
UPN 10476000

DESIGNED BY L.CULWELL 11/2024
REVIEWED BY B.HENDERSON 03/2025
CHECKED BY J.CERECK 04/2026

MONTANA Department of Transportation

ROAD PLANS

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CULVERTS (INCLUDED IN CULVERT SUMMARY RECAP)

STATION	linear feet RCP 36"	linear feet RCP 48"	CLASS 3	END SECTIONS LEFT	END SECTIONS RIGHT	linear feet REMOVE PIPE CULVERT#	SKEW ANGLE	CULVERT IN PL. in x ft	REMARKS
33+91.34	8				FETS	8		36"X90'	S-302 RP 17.1
60+42.31		8			FETS	8	18° LT	48"X82'	S-302 RP 16.6
TOTAL	8	8	~	~	~	16	~	~	

SEE HYDRAULIC SPECIAL PROVISION. ADDITIONAL PIPE WORK TO BE COMPLETED INCLUDING NEW PIPE INSTALLATION AND REMOVE AND REPLACE END TREATMENTS.
 # REMOVAL LENGTHS ARE APPROXIMATE. VERIFY IN FIELD.

APPROACH PIPE (INCLUDED IN CULVERT SUMMARY RECAP)

STATION	BASIC BID ITEMS: CULVERT PIPE in	BASIC BID ITEMS: linear feet LENGTH OF PIPE	BASIC BID ITEMS: linear feet REMOVE PIPE CULVERT	PIPE OPTIONS in: STEEL - 2 2/3 x 1/2 CORR. 0.079 THK.	PIPE OPTIONS in: CONCRETE - CLASS 3	PIPE OPTIONS in: ALUMINUM - 2 2/3 x 1/2 CORR. 0.075 THK.	END SECTIONS LEFT	END SECTIONS RIGHT	linear feet HEIGHT OF COVER	SKEW ANGLE	CULVERT IN PL. in x ft	REMARKS
0+37			41								24"X41' HDPE	EASTLICK ROAD
0+51	24	48	48	24	24	24	FETS	FETS	4.6		18"X48' CSP[&]	EASTLICK ROAD
1+99	24	100		24	24	24	FETS	FETS	6.3	41° RT		COLES ROAD
2+16			46								18"X46' CSP[&]	COLES ROAD
TOTAL	~	~	135	~	~	~	~	~	~	~	~	

 # REMOVAL LENGTHS ARE APPROXIMATE. VERIFY IN FIELD.
[&] 18" PIPE NOT SHOWN ON PLANS
** COAT PIPE PER STANDARD SPEC. SEC. 709.05 OR 709.12*
GRADING DITCHES TO DRAIN TO BE INCLUDED IN THE COST OF APPROACH PIPE

CULVERT SUMMARY RECAP

BASIC BID	linear feet NEW PIPE (TOTAL)	linear feet REMOVE PIPE CULVERT
24" DR	148	
36" RCP	8	
48" RCP	8	
TOTAL	~	151

SHEET NO. 8

SUMMARY

PROJECT NAME: STILLWATER COUNTY IMPROVEMENTS
COUNTY: STILLWATER AND YELLOWSTONE COUNTIES
PROJECT ID: STPS 78-2(35)45
UPN: 10476000

DESIGNED BY	REVIEWED BY	CHECKED BY
L.CULWELL 11/2024	B.HENDERSON 03/2025	J.CERECK 04/2026

MONTANA Department of Transportation

ROAD PLANS

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GUARDRAIL

STATION		linear feet				each		REMARKS
		REMOVE GUARDRAIL		MGS GUARDRAIL		MASH W-BEAM TERMINAL SECTION		
FROM	TO	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	
NEW RAIL								
S-306								
51+77.91	56+46.66				400.0		2	
57+34.95	63+78.70				575.0		2	
52+66.88	64+98.13			1,162.5		2		
REMOVE RAIL								
S-306								
51+85.16	56+60.16		475.0					
57+23.00	63+60.50		637.5					
52+74.50	65+12.00	1,237.5						
SUBTOTAL		1,237.5	1,112.5	1,162.5	975.0	2	4	
TOTAL		2,350.0		2,138		6		

REVEGETATION

STATION		lump sum	cu. yards	acres							
		REVEGETATION	TOPSOIL SALVAGING & PLACING	SEED			FERTILIZER		CONDITION SEEDBED	MULCH - COMPOST	REMARKS
FROM	TO			NO. 1	NO. 2	NO.3	NO. 1	NO. 2			
1+12.00	3+75.00	1	161	0.2	0.1		0.2	0.1	0.2	0.1	COLES ROAD AND EASTLICK ROAD
TOTAL		1	# 161	# 0.2	# 0.1	# 0.0	# 0.2	# 0.1	# 0.2	# 0.1	

FOR INFORMATION ONLY. SEE ENVIRONMENTAL SPECIAL PROVISION FOR REVEGETATION.

PAVEMENT MARKINGS

ITEM	UNIT	INTERIM APPLICATION #	FINAL APPLICATION	TOTAL
STRIPING - WHITE PAINT	gallon	744		744
STRIPING - YELLOW PAINT	gallon	361		361
WORDS & SYMBOLS - WHITE PAINT	gallon	7		7
STRIPING - WHITE EPOXY	gallon		991	991
STRIPING - YELLOW EPOXY	gallon		481	481
WORDS & SYMBOLS - WHITE EPOXY	gallon		8	8
FINAL SWEEP AND BROOM	course mile			20.3

BASED ON 2 APPLICATIONS.

PERMANENT EROSION CONTROL *

STATION	cu. yards	sq. yards		REMARKS
	ANCILARY ARMOR	GEOTEXTILE PERM. EROS. CNTRL.	EROSION CONTROL BLANKET	
	CL. 1	HI SURV. CLASS C	——	
60+42.31	19.0	63		S-302 RP 16.6 48" OUTLET SCOUR HOLE
			164	CULVERT OUTLET GRADING
TOTAL	19.0	63	164	

* SEE HYDRAULIC SPECIAL PROVISION

SHEET NO. 9

SUMMARY

PROJECT NAME STILLWATER COUNTY IMPROVEMENTS

COUNTY STILLWATER AND YELLOWSTONE COUNTIES

PROJECT ID STPS 78-2(35)45

UPN 10476000

DESIGNED BY	REVIEWED BY	CHECKED BY
L.CULWELL 11/2024	B.HENDERSON 03/2025	J.CERECK 04/2026

MONTANA Department of Transportation

ROAD PLANS

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MONTANA Department of Transportation	DESIGNED BY L.CULWELL 11/2024	PROJECT NAME STILLWATER COUNTY IMPROVEMENTS	BEGIN SECONDARY 306 DETAIL	SHEET NO. 10
	REVIEWED BY B.HENDERSON 03/2025	COUNTY STILLWATER AND YELLOWSTONE COUNTIES		
ROAD PLANS	CHECKED BY J.CERECK 04/2026	PROJECT ID STPS 78-2(35)45		
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SHEET NO.
11

CHRISTENSEN STREET
INTERSECTION DETAIL

PROJECT NAME
STILLWATER COUNTY IMPROVEMENTS

COUNTY
STILLWATER AND YELLOWSTONE COUNTIES

PROJECT ID
STPS 78-2(35)45

UPN
10476000

DESIGNED BY		
L.CULWELL	11/2024	
REVIEWED BY		
B.HENDERSON	03/2025	
CHECKED BY		
J.CERECK	04/2026	

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Department of Transportation

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SHEET NO. 12

MAIN STREET INTERSECTION DETAIL

PROJECT NAME: STILLWATER COUNTY IMPROVEMENTS
COUNTY: STILLWATER AND YELLOWSTONE COUNTIES
PROJECT ID: STPS 78-2(35)45
UPN: 10476000

DESIGNED BY		REVIEWED BY		CHECKED BY	
L.CULWELL	11/2024	B.HENDERSON	03/2025	J.CERECK	04/2026

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SHEET NO.
13

DALLMAN STREET
INTERSECTION DETAIL

PROJECT NAME
STILLWATER COUNTY IMPROVEMENTS

COUNTY
STILLWATER AND YELLOWSTONE COUNTIES

PROJECT ID
STPS 78-2(35)45

UPN
10476000

DESIGNED BY	REVIEWED BY	CHECKED BY
L.CULWELL 11/2024	B.HENDERSON 03/2025	J.CERECK 04/2026

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Department of Transportation

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SHEET NO.
14

END SECONDARY 306
DETAIL

PROJECT NAME
STILLWATER COUNTY IMPROVEMENTS

COUNTY
STILLWATER AND YELLOWSTONE COUNTIES

PROJECT ID
STPS 78-2(35)45

UPN
10476000

DESIGNED BY	REVIEWED BY	CHECKED BY
L.CULWELL	B.HENDERSON	J.CERECK
11/2024	03/2025	04/2026

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Department of Transportation

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SHEET NO.
15

BEGIN SECONDARY 302
DETAIL

PROJECT NAME
STILLWATER COUNTY IMPROVEMENTS

COUNTY
STILLWATER AND YELLOWSTONE COUNTIES

PROJECT ID
STPS 78-2(35)45

UPN
10476000

DESIGNED BY		
L.CULWELL	11/2024	
REVIEWED BY		
B.HENDERSON	03/2025	
CHECKED BY		
J.CERECK	04/2026	

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Department of Transportation

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N

SHEET NO.
16

END SECONDARY 302
DETAIL

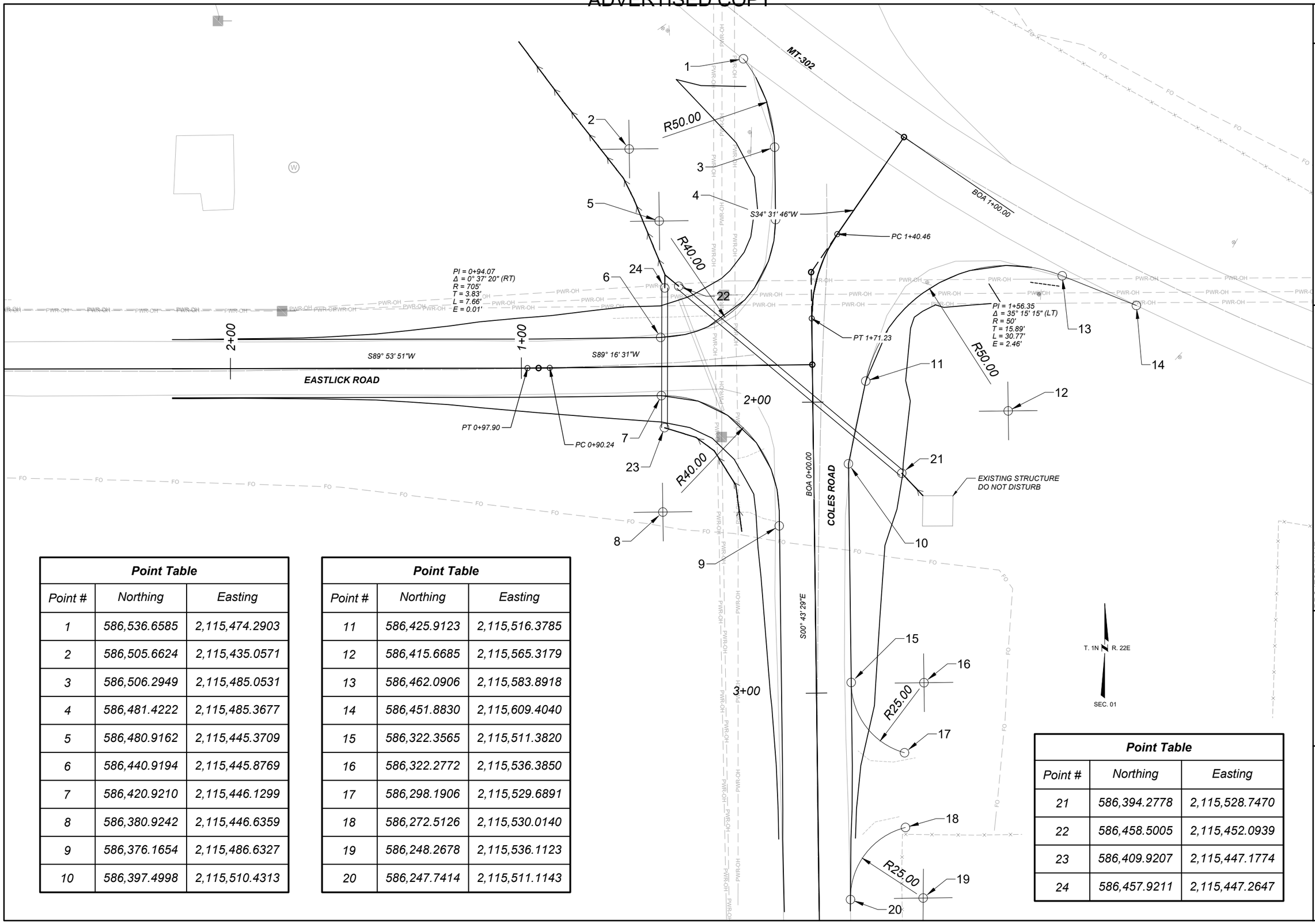
MONTANA
Department of Transportation

ROAD PLANS

DESIGNED BY	L. CULWELL 11/2024
REVIEWED BY	B. HENDERSON 03/2025
CHECKED BY	J. CERECK 04/2026
PROJECT NAME	STILLWATER COUNTY IMPROVEMENTS
COUNTY	STILLWATER AND YELLOWSTONE COUNTIES
PROJECT ID	STPS 78-2(35)45
UPN	10476000

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Point Table		
Point #	Northing	Easting
1	586,536.6585	2,115,474.2903
2	586,505.6624	2,115,435.0571
3	586,506.2949	2,115,485.0531
4	586,481.4222	2,115,485.3677
5	586,480.9162	2,115,445.3709
6	586,440.9194	2,115,445.8769
7	586,420.9210	2,115,446.1299
8	586,380.9242	2,115,446.6359
9	586,376.1654	2,115,486.6327
10	586,397.4998	2,115,510.4313

Point Table		
Point #	Northing	Easting
11	586,425.9123	2,115,516.3785
12	586,415.6685	2,115,565.3179
13	586,462.0906	2,115,583.8918
14	586,451.8830	2,115,609.4040
15	586,322.3565	2,115,511.3820
16	586,322.2772	2,115,536.3850
17	586,298.1906	2,115,529.6891
18	586,272.5126	2,115,530.0140
19	586,248.2678	2,115,536.1123
20	586,247.7414	2,115,511.1143

Point Table		
Point #	Northing	Easting
21	586,394.2778	2,115,528.7470
22	586,458.5005	2,115,452.0939
23	586,409.9207	2,115,447.1774
24	586,457.9211	2,115,447.2647

SHEET NO.
17

COLES ROAD AND EASTLICK ROAD DETAIL

PROJECT NAME
STILLWATER COUNTY IMPROVEMENTS

COUNTY
STILLWATER AND YELLOWSTONE COUNTIES

PROJECT ID
STPS 78-2(35)45

UPN
10476000

DESIGNED BY	REVIEWED BY	CHECKED BY
L.CULWELL 11/2024	B.HENDERSON 03/2025	J.CERECK 04/2026

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TIE INTO EXISTING CHANNEL
ELEV. 3965.9

DITCH SECTION A
0.46% CHANNEL SLOPE

STA. 2+20.00
END EASTLICK ROAD

PI = 0+94.07
Δ = 0° 37' 20" (RT)
R = 705'
T = 3.83'
L = 7.66'
E = 0.01'

EASTLICK ROAD

S89° 53' 51"W

S89° 16' 31"W

PT 0+97.90

PC 0+90.24

DITCH SECTION B
10% OR LESS CHANNEL SLOPE
ADJUST AS NECESSARY TO
STAY WITHIN RIGHT OF WAY

MT-302

STA. 1+10.52
BEG. COLES ROAD

BOA 1+00.00

S34° 31' 46"W

PC 1+40.46

PT 1+71.23

PI = 1+56.35
Δ = 35° 15' 15" (LT)
R = 50'
T = 15.89'
L = 30.77'
E = 2.46'

COLES ROAD

BOA 0+00.00

S00° 43' 29"E

DITCH SECTION C
0.25% CHANNEL SLOPE

STA. 0+14.62
BEGIN EASTLICK ROAD

STA. 3+75.00
END COLES ROAD

0+51 (EASTLICK)
18" CSP APP. PIPE IN PL.
REMOVE
NEW 24" APP. PIPE

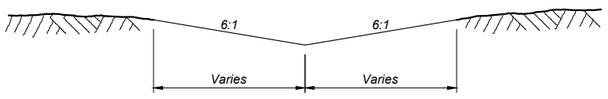
0+37 (EASTLICK)
24" HDPE APP. PIPE IN PL.
REMOVE

1+99 (COLES)
NEW 24" APP. PIPE

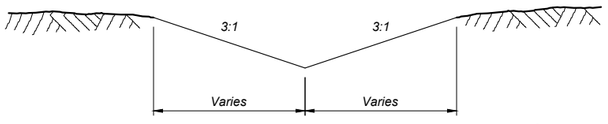
2+16 (COLES)
18" CSP APP. PIPE IN PL.
REMOVE

T. 1N R. 22E
SEC. 01

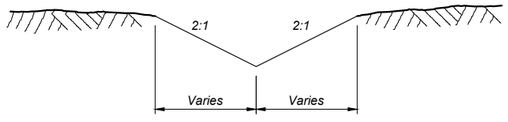
DITCH SECTION A



DITCH SECTION B



DITCH SECTION C



SHEET NO.
18

EROSION CONTROL

PROJECT NAME
STILLWATER COUNTY IMPROVEMENTS

COUNTY
STILLWATER AND YELLOWSTONE COUNTIES

PROJECT ID
STPS 78-2(35)45

UPN
10476000

DESIGNED BY
L. CULWELL
11/2024

REVIEWED BY
B. HENDERSON
03/2025

CHECKED BY
J. CERECK
04/2026

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ROAD PLANS

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1+57.62
OVERHEAD POWER CROSSING
CLEARANCE UNKNOWN

1+62.93
OVERHEAD POWER CROSSING
CLEARANCE UNKNOWN

1+66.47
OVERHEAD POWER CROSSING
CLEARANCE UNKNOWN

2+49.37
U.G. FIBER OPTICS
DEPTH UNKNOWN

3+88.44
U.G. GAS LINE
DEPTH UNKNOWN

EX. ELEV. 3966.76

NEW DITCH
GRADE TO DRAIN

EX. BUILDING
DO NOT DISTURB

BOA 1+00.00

PI = 1+56.35
Δ = 35° 15' 15" (LT)
R = 50'
T = 15.89'
L = 30.77'
E = 2.46'

EX. ELEV. 3967.26
NEW IE. 3966.68

EOA 4+18.51

COLES ROAD

PC 1+40.46

PT 1+71.23

S34° 31' 46"W

SKEW 41° RT

S00° 43' 29"E

EX. ELEV. 3968.00
NEW IE. 3966.21

EXISTING DITCH
GRADE TO DRAIN

1+10.52 BEGIN COLES ROAD

3+75.00 END COLES ROAD

MT-302

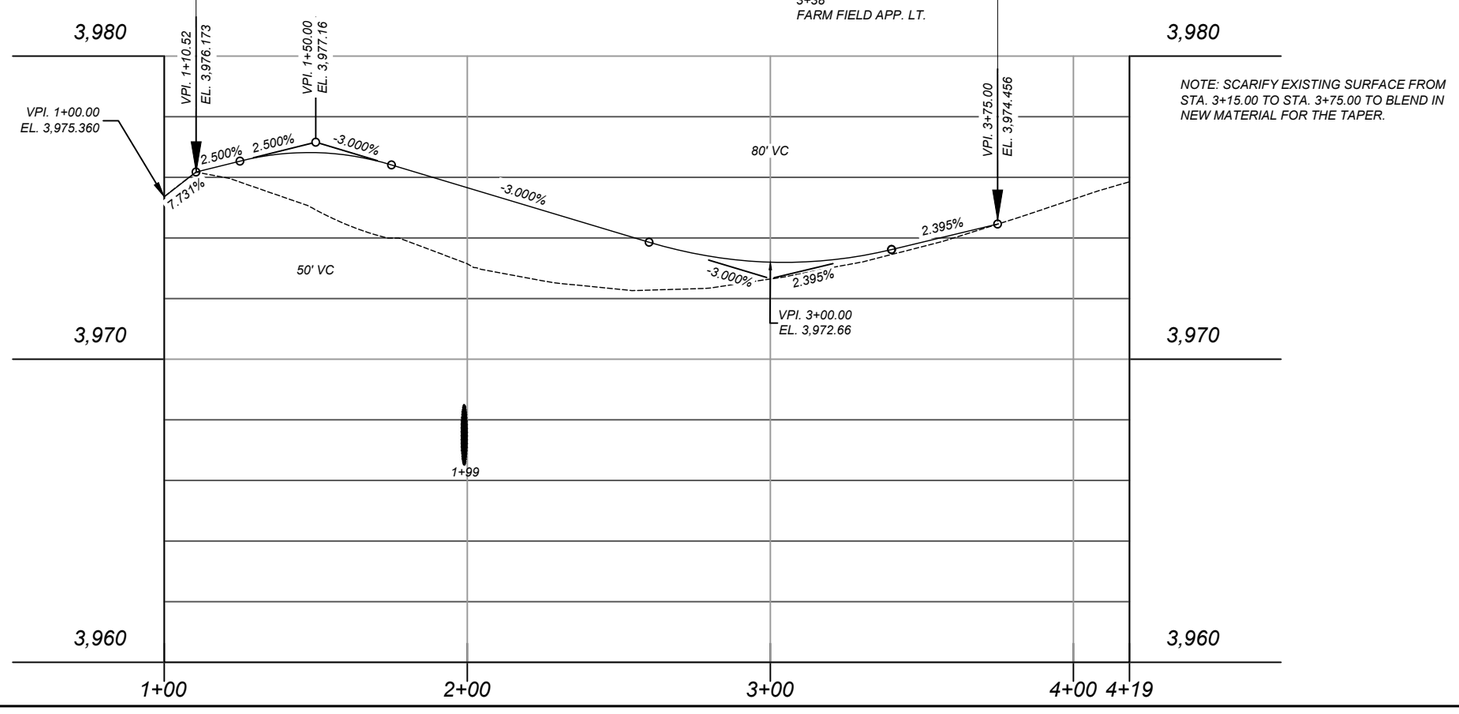
EX. ELEV. 3962.04

1+99
NEW 24" SKEWED APP. PIPE

2+16
18" CSP APP. PIPE IN PL.
LOCATION UNKNOWN
REMOVE

3+38
FARM FIELD APP. LT.

T. 1N R. 22E
SEC. 01



NOTE: SCARIFY EXISTING SURFACE FROM STA. 3+15.00 TO STA. 3+75.00 TO BLEND IN NEW MATERIAL FOR THE TAPER.

SHEET NO.
19

PLAN & PROFILE
COLES ROAD

PROJECT NAME
STILLWATER COUNTY IMPROVEMENTS

COUNTY
STILLWATER AND YELLOWSTONE COUNTIES

PROJECT ID
STPS 78-2(35)45

UPN
10476000

DESIGNED BY	L.CULWELL	11/2024
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Department of Transportation

ROAD PLANS

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0+26.05
OVERHEAD POWER CROSSING
CLEARANCE UNKNOWN
0+31.13
OVERHEAD POWER CROSSING
CLEARANCE UNKNOWN
0+33.18
OVERHEAD POWER CROSSING
CLEARANCE UNKNOWN

BOA 0+00.00

EX. ELEV. 3969.51
IE. 3968.61

GRADE TO DRAIN

PC 0+90.24

PT 0+97.90

1+00

2+00

3+00

EOA 4+00.00

EASTLICK ROAD

S89° 16' 31"W

S89° 53' 51"W

EX. ELEV. 3967.99
NEW IE. 3966.21

PI = 0+94.07
Δ = 0° 37' 20" (RT)
R = 705'
T = 3.83'
L = 7.66'
E = 0.01'

EXISTING DITCH
GRADE TO DRAIN

0+14.62 BEGIN EASTLICK ROAD

2+20.00 END EASTLICK ROAD

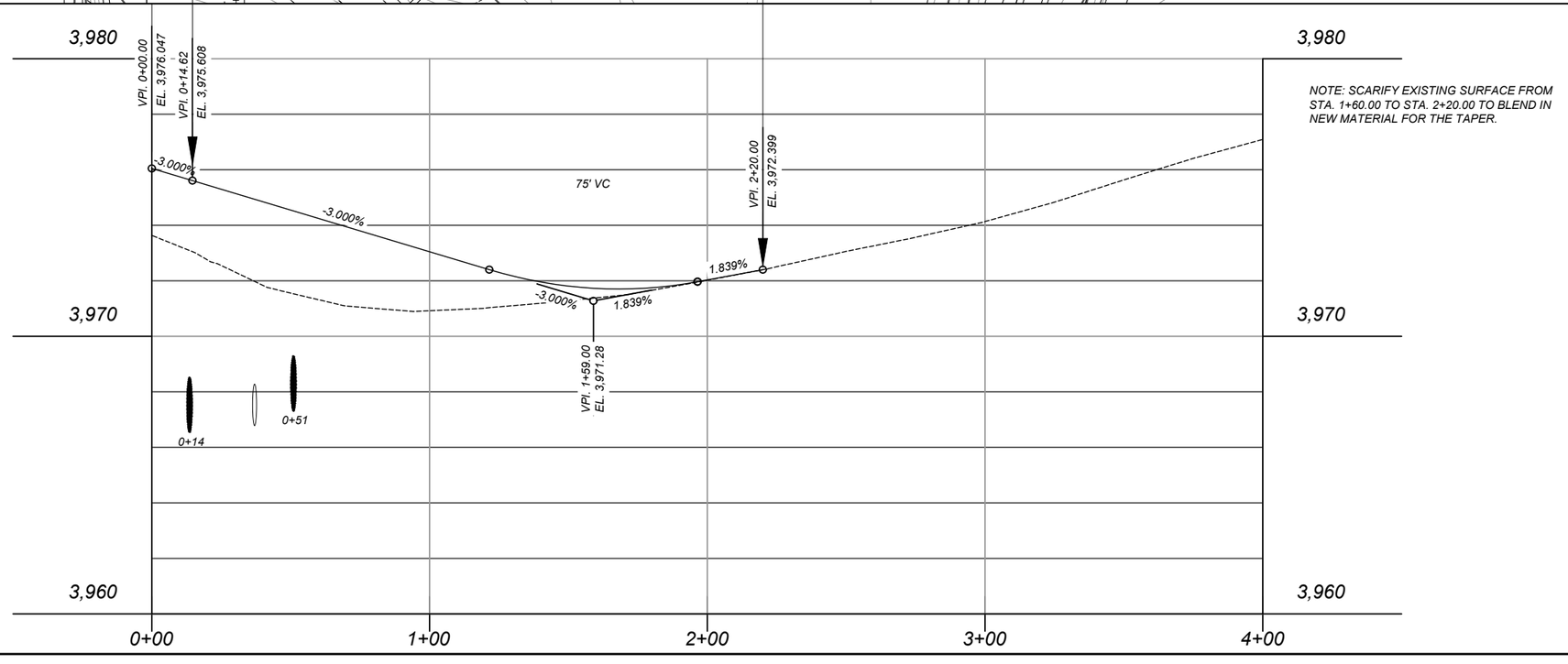
STA. 60+42.31
REPAIR 48" PIPE
SEE SPECIAL PROVISION

EX. ELEV. 3962.04
REPAIR 36" PIPE
SEE SPECIAL PROVISION

0+37
24" HDPE PIPE IN PL.
SKEWED - REMOVE

0+51
18" CSP APP. PIPE IN PL.
LOCATION UNKNOWN
REMOVE
NEW 24" APP. PIPE

SEC. 01
T. 1N R. 22E



NOTE: SCARIFY EXISTING SURFACE FROM STA. 1+60.00 TO STA. 2+20.00 TO BLEND IN NEW MATERIAL FOR THE TAPER.

SHEET NO.
20

PLAN & PROFILE
EASTLICK ROAD

PROJECT NAME
STILLWATER COUNTY IMPROVEMENTS

COUNTY
STILLWATER AND YELLOWSTONE COUNTIES

PROJECT ID
STPS 78-2(35)45

UPN
10476000

DESIGNED BY	REVIEWED BY	CHECKED BY
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ROAD PLANS

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