

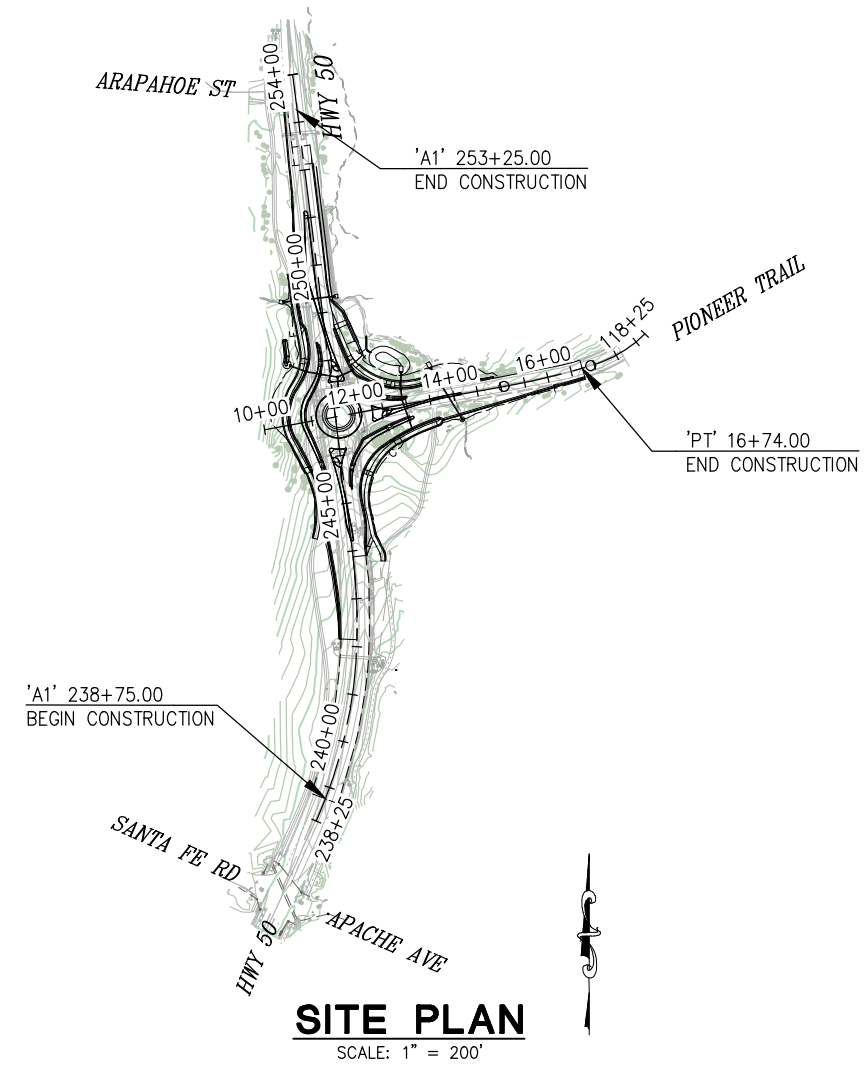
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 REGISTRATION NO. DATE 8-9-11
 DESIGN OVERSIGHT APPROVAL
 PROJECT ENGINEER SIGNATURE
 Approved as to impact on State facilities and conformance with applicable State Standards and Practices and that technical oversight was performed as described in the California Department of Transportation A&E Consultant Services Manual.

INDEX OF SHEETS

SHEET	PLAN SHEET	TITLE
1		TITLE SHEET
2-6	CD-1 THRU CD-5	SURVEY CONTROL DIAGRAM
7-10	X-1 THRU X-4	TYPICAL SECTIONS
11-15	L-1 THRU L-5	LAYOUT
16-19	P-1 THRU P-4	PROFILES
20-40	C-1 THRU C-21	CONSTRUCTION DETAILS
41	G-1	CONTOUR GRADING
42-48	D-1 THRU D-7	DRAINAGE
49-53	PD-1 THRU PD-5	PAVEMENT DELINEATION
54	PD-6	PAVEMENT DELINEATION QUANTITIES
55-58	S-1 THRU S-4	SIGNING
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61-66	SC-1 THRU SC-6	STAGE CONSTRUCTION
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76	LD-1	LANDSCAPE DETAILS
77-79	EC-1 THRU EC-3	EROSION CONTROL
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88-94	ED-1 THRU ED-7	ELECTRICAL SYSTEM DETAILS

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR THE CONSTRUCTION ON
STATE HIGHWAY
PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT

IN THE COUNTY OF EL DORADO, DISTRICT 5
 AT THE INTERSECTION OF STATE HIGHWAY 50 AND PIONEER TRAIL
 To be supplemented with Standard Plans and Specifications dated 2023, of the
 California Department of Transportation, unless otherwise noted.



SITE PLAN
 SCALE: 1" = 200'

CONTRACTOR'S LICENSE CLASSIFICATION: Bidders shall be properly licensed to perform the Work pursuant to the State Contractor's License Act (Business and Professions Code section 7000 et seq.) and shall possess a CLASS A LICENSE or equivalent combination of Classes required by the categories and type of Work included in the Contract Documents and Plans. Failure of the successful Bidder to obtain proper and adequate licensing at the time bids are submitted shall constitute a failure to execute the Contract, and forfeiture as provided under that section.


DIST	COUNTY	ROUTE	POST MILES	TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	ED	50	71.33-71.60		1	94



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FEDERAL ID#
 CMSTPL5925(148)




 SUBMITTED BY: **CIVIL ENGINEER**
 STATE OF CALIFORNIA NO. C66083
 DATE: **DECEMBER 29, 2023**

EFIS 0317000163 CU CONTRACT NO. 7614

ADOPTED AND APPROVED BY:	
WENDY THOMAS CHAIR, EL DORADO COUNTY BOARD OF SUPERVISORS	DATE
RAFAEL MARTINEZ, DIRECTOR DEPARTMENT OF TRANSPORTATION	DATE
JOHN KAHLING P.E. NO. 52426 DEPUTY DIRECTOR, ENGINEERING	DATE

COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

 2850 FAIRLANE COURT
 PLACERVILLE, CA 95667
 (916) 621-5900



REVISIONS		
MARK	DATE	BY

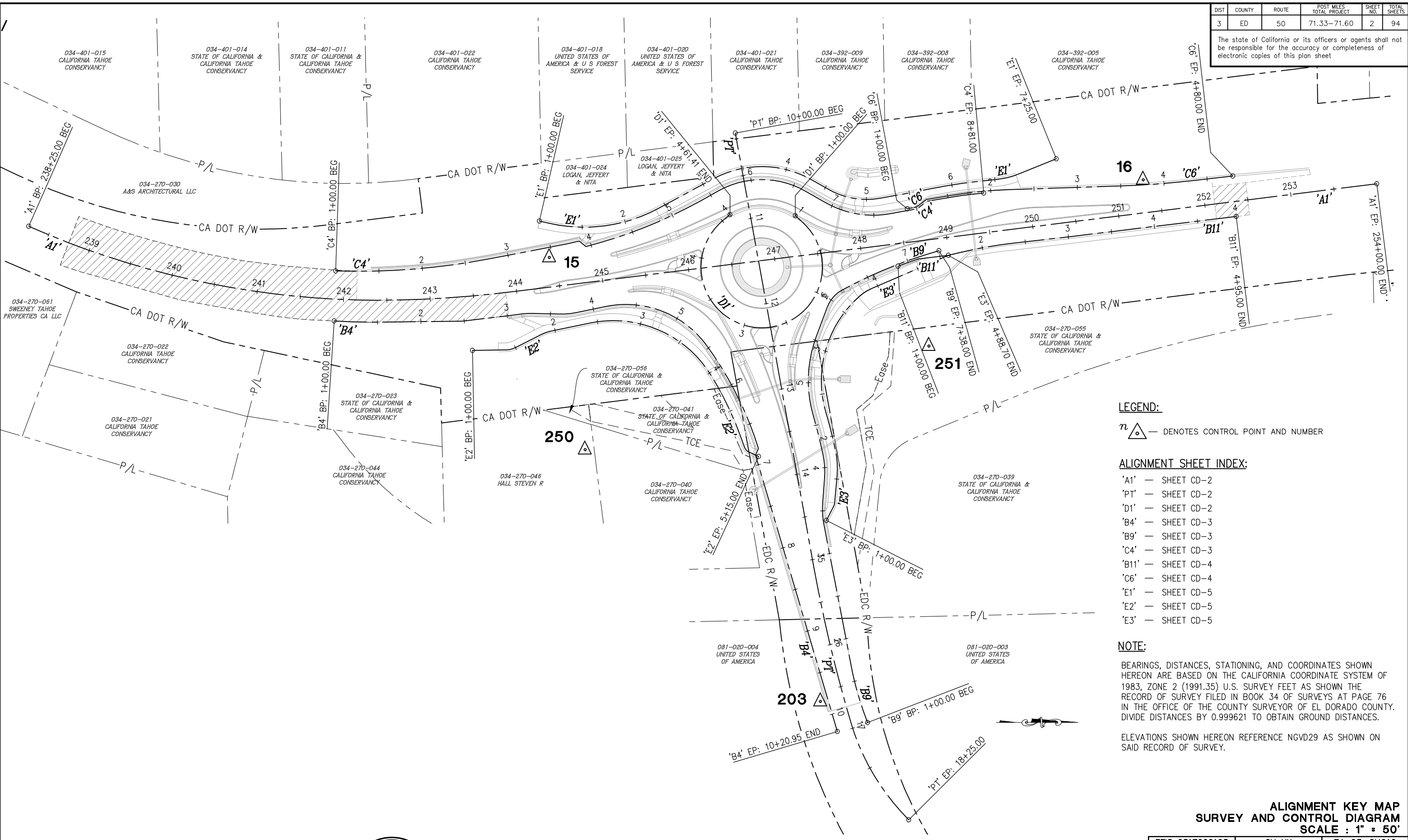
BOARD OF SUPERVISORS	
JOHN HIDAHL	I
GEORGE TURNBOO	II
WENDY THOMAS	III
LORI PARLIN	IV
BROOKE LAINE	V

PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT
TITLE SHEET
 SHEET **1** OF **94**

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	2	94

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LEGEND:
 n Δ — DENOTES CONTROL POINT AND NUMBER

ALIGNMENT SHEET INDEX:
 'A1' — SHEET CD-2
 'PT' — SHEET CD-2
 'D1' — SHEET CD-2
 'B4' — SHEET CD-3
 'B9' — SHEET CD-3
 'C4' — SHEET CD-3
 'B11' — SHEET CD-4
 'C6' — SHEET CD-4
 'E1' — SHEET CD-5
 'E2' — SHEET CD-5
 'E3' — SHEET CD-5

NOTE:
 BEARINGS, DISTANCES, STATIONING, AND COORDINATES SHOWN HEREON ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM OF 1983, ZONE 2 (1991.35) U.S. SURVEY FEET AS SHOWN THE RECORD OF SURVEY FILED IN BOOK 34 OF SURVEYS AT PAGE 76 IN THE OFFICE OF THE COUNTY SURVEYOR OF EL DORADO COUNTY. DIVIDE DISTANCES BY 0.999621 TO OBTAIN GROUND DISTANCES.
 ELEVATIONS SHOWN HEREON REFERENCE NGVD29 AS SHOWN ON SAID RECORD OF SURVEY.

**ALIGNMENT KEY MAP
 SURVEY AND CONTROL DIAGRAM
 SCALE : 1" = 50'**

EFIS 0317000163 CU XX EA 03-2H610



PREPARED UNDER THE SUPERVISION OF:
Joseph C. Neely
 PROFESSIONAL LAND SURVEYOR
 DATE: **DECEMBER 29, 2023**

DESIGNED: DP
 DRAWN: SGM
 CHECKED: JCN
 DATE: 03/31/23
 ROAD NUMBER: 117



**COUNTY OF EL DORADO
 DEPARTMENT OF TRANSPORTATION**

**PIONEER TRAIL/US HIGHWAY 50
 INTERSECTION SAFETY
 IMPROVEMENT PROJECT**

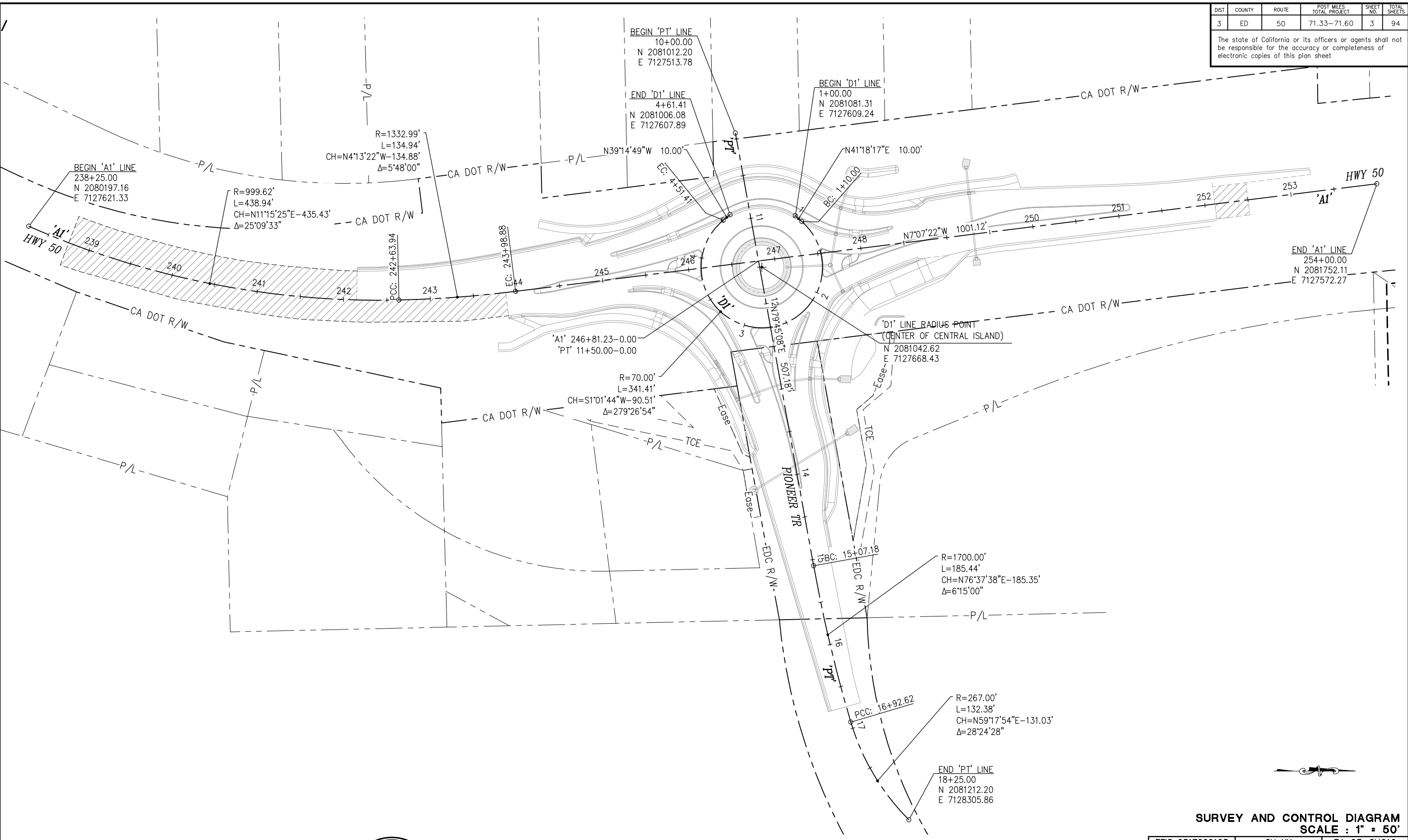
SHEET
CD-1
 2 OF 94
 W.O. No.
7614

REVISION	NUMBER	DATE	DESCRIPTION	BY

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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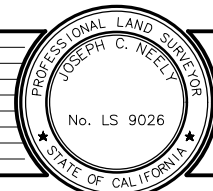
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FOR REDUCED PLANS

SURVEY AND CONTROL DIAGRAM
SCALE : 1" = 50'

EFIS 0317000163 CU XX EA 03-2H610



PREPARED UNDER THE SUPERVISION OF:
Joseph C. Neely
PROFESSIONAL LAND SURVEYOR
DECEMBER 29, 2023

DESIGNED: DP
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CHECKED: JCN
DATE: 03/31/23
ROAD NUMBER: 117



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

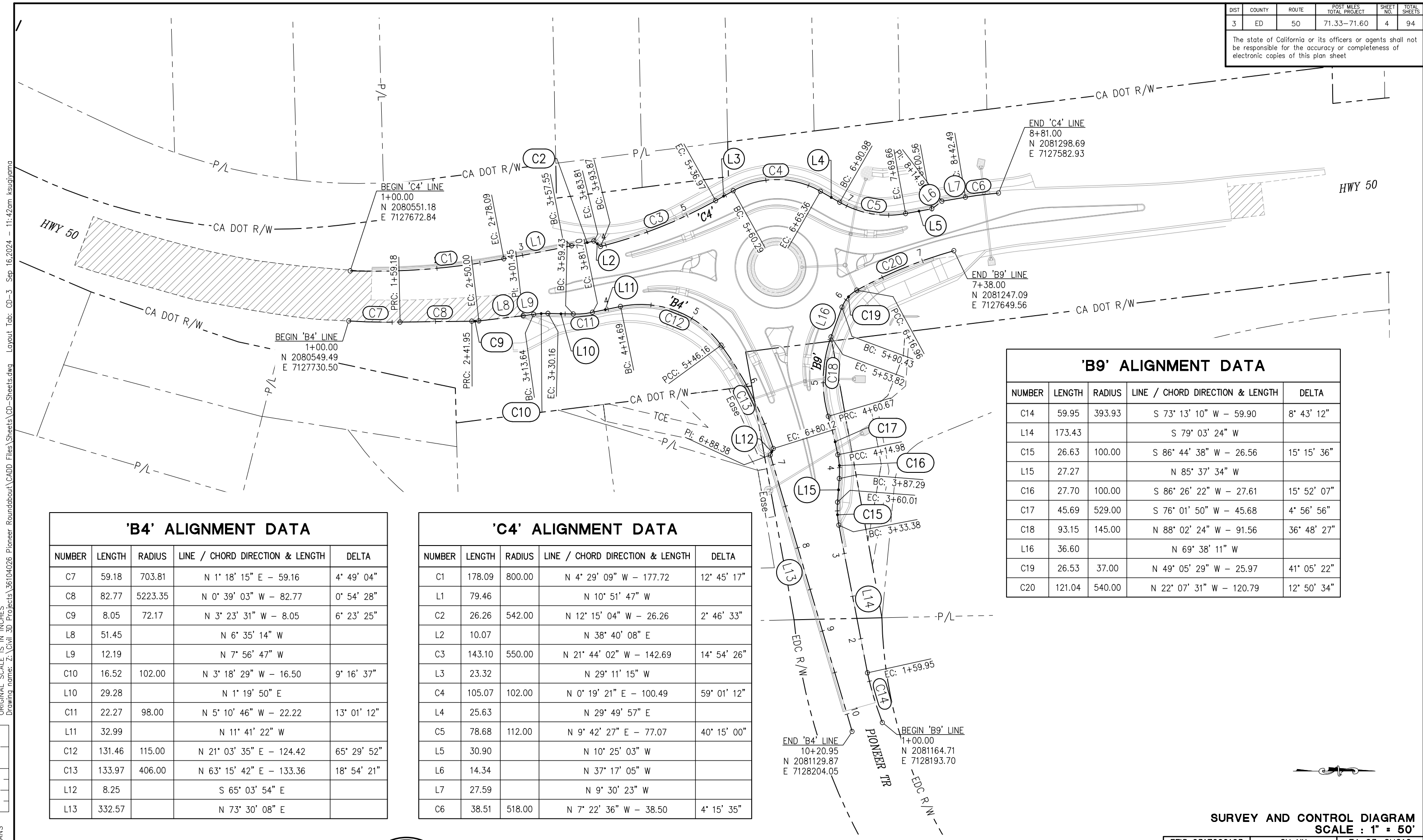
PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT

SHEET
CD-2
3 OF 94
W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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'B4' ALIGNMENT DATA

NUMBER	LENGTH	RADIUS	LINE / CHORD DIRECTION & LENGTH	DELTA
C7	59.18	703.81	N 1° 18' 15" E - 59.16	4° 49' 04"
C8	82.77	5223.35	N 0° 39' 03" W - 82.77	0° 54' 28"
C9	8.05	72.17	N 3° 23' 31" W - 8.05	6° 23' 25"
L8	51.45		N 6° 35' 14" W	
L9	12.19		N 7° 56' 47" W	
C10	16.52	102.00	N 3° 18' 29" W - 16.50	9° 16' 37"
L10	29.28		N 1° 19' 50" E	
C11	22.27	98.00	N 5° 10' 46" W - 22.22	13° 01' 12"
L11	32.99		N 11° 41' 22" W	
C12	131.46	115.00	N 21° 03' 35" E - 124.42	65° 29' 52"
C13	133.97	406.00	N 63° 15' 42" E - 133.36	18° 54' 21"
L12	8.25		S 65° 03' 54" E	
L13	332.57		N 73° 30' 08" E	

'C4' ALIGNMENT DATA

NUMBER	LENGTH	RADIUS	LINE / CHORD DIRECTION & LENGTH	DELTA
C1	178.09	800.00	N 4° 29' 09" W - 177.72	12° 45' 17"
L1	79.46		N 10° 51' 47" W	
C2	26.26	542.00	N 12° 15' 04" W - 26.26	2° 46' 33"
L2	10.07		N 38° 40' 08" E	
C3	143.10	550.00	N 21° 44' 02" W - 142.69	14° 54' 26"
L3	23.32		N 29° 11' 15" W	
C4	105.07	102.00	N 0° 19' 21" E - 100.49	59° 01' 12"
L4	25.63		N 29° 49' 57" E	
C5	78.68	112.00	N 9° 42' 27" E - 77.07	40° 15' 00"
L5	30.90		N 10° 25' 03" W	
L6	14.34		N 37° 17' 05" W	
L7	27.59		N 9° 30' 23" W	
C6	38.51	518.00	N 7° 22' 36" W - 38.50	4° 15' 35"

'B9' ALIGNMENT DATA

NUMBER	LENGTH	RADIUS	LINE / CHORD DIRECTION & LENGTH	DELTA
C14	59.95	393.93	S 73° 13' 10" W - 59.90	8° 43' 12"
L14	173.43		S 79° 03' 24" W	
C15	26.63	100.00	S 86° 44' 38" W - 26.56	15° 15' 36"
L15	27.27		N 85° 37' 34" W	
C16	27.70	100.00	S 86° 26' 22" W - 27.61	15° 52' 07"
C17	45.69	529.00	S 76° 01' 50" W - 45.68	4° 56' 56"
C18	93.15	145.00	N 88° 02' 24" W - 91.56	36° 48' 27"
L16	36.60		N 69° 38' 11" W	
C19	26.53	37.00	N 49° 05' 29" W - 25.97	41° 05' 22"
C20	121.04	540.00	N 22° 07' 31" W - 120.79	12° 50' 34"

SURVEY AND CONTROL DIAGRAM
SCALE : 1" = 50'

EFIS 0317000163 CU XX EA 03-2H610



PREPARED UNDER THE SUPERVISION OF:
Joseph C. Neely
PROFESSIONAL LAND SURVEYOR
DECEMBER 29, 2023

DESIGNED: DP
DRAWN: SGM
CHECKED: JCN
DATE: 03/31/23
ROAD NUMBER: 117



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

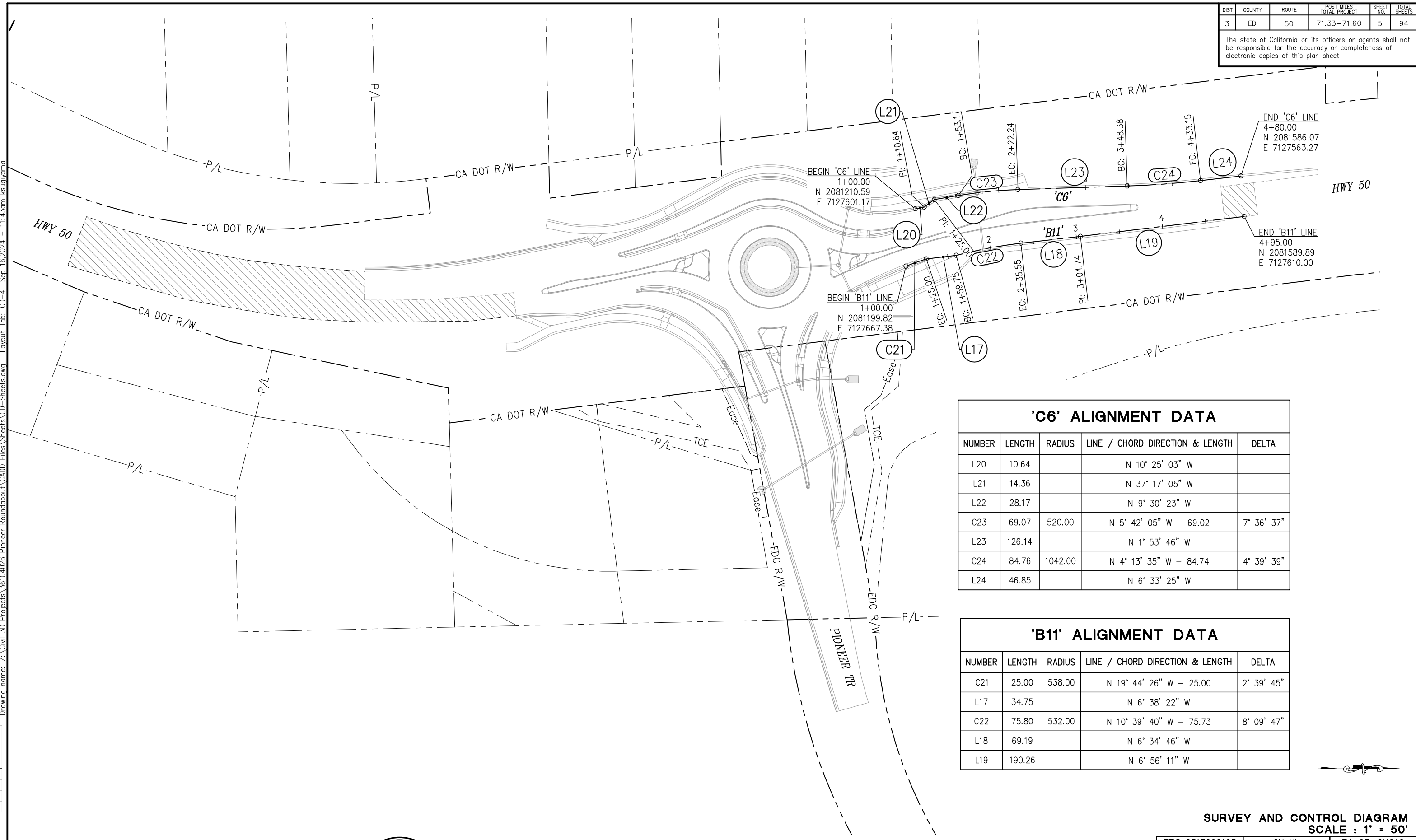
PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT

SHEET
CD-3
4 OF 94
W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	5	94

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 FOR REDUCED PLANS



'C6' ALIGNMENT DATA				
NUMBER	LENGTH	RADIUS	LINE / CHORD DIRECTION & LENGTH	DELTA
L20	10.64		N 10° 25' 03" W	
L21	14.36		N 37° 17' 05" W	
L22	28.17		N 9° 30' 23" W	
C23	69.07	520.00	N 5° 42' 05" W - 69.02	7° 36' 37"
L23	126.14		N 1° 53' 46" W	
C24	84.76	1042.00	N 4° 13' 35" W - 84.74	4° 39' 39"
L24	46.85		N 6° 33' 25" W	

'B11' ALIGNMENT DATA				
NUMBER	LENGTH	RADIUS	LINE / CHORD DIRECTION & LENGTH	DELTA
C21	25.00	538.00	N 19° 44' 26" W - 25.00	2° 39' 45"
L17	34.75		N 6° 38' 22" W	
C22	75.80	532.00	N 10° 39' 40" W - 75.73	8° 09' 47"
L18	69.19		N 6° 34' 46" W	
L19	190.26		N 6° 56' 11" W	

SURVEY AND CONTROL DIAGRAM
SCALE : 1" = 50'

EFIS 0317000163 CU XX EA 03-2H610

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
Joseph C. Neely
 PROFESSIONAL LAND SURVEYOR
 DATE: **DECEMBER 29, 2023**

DESIGNED: DP
 DRAWN: SGM
 CHECKED: JCN
 DATE: 03/31/23
 ROAD NUMBER: 117



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

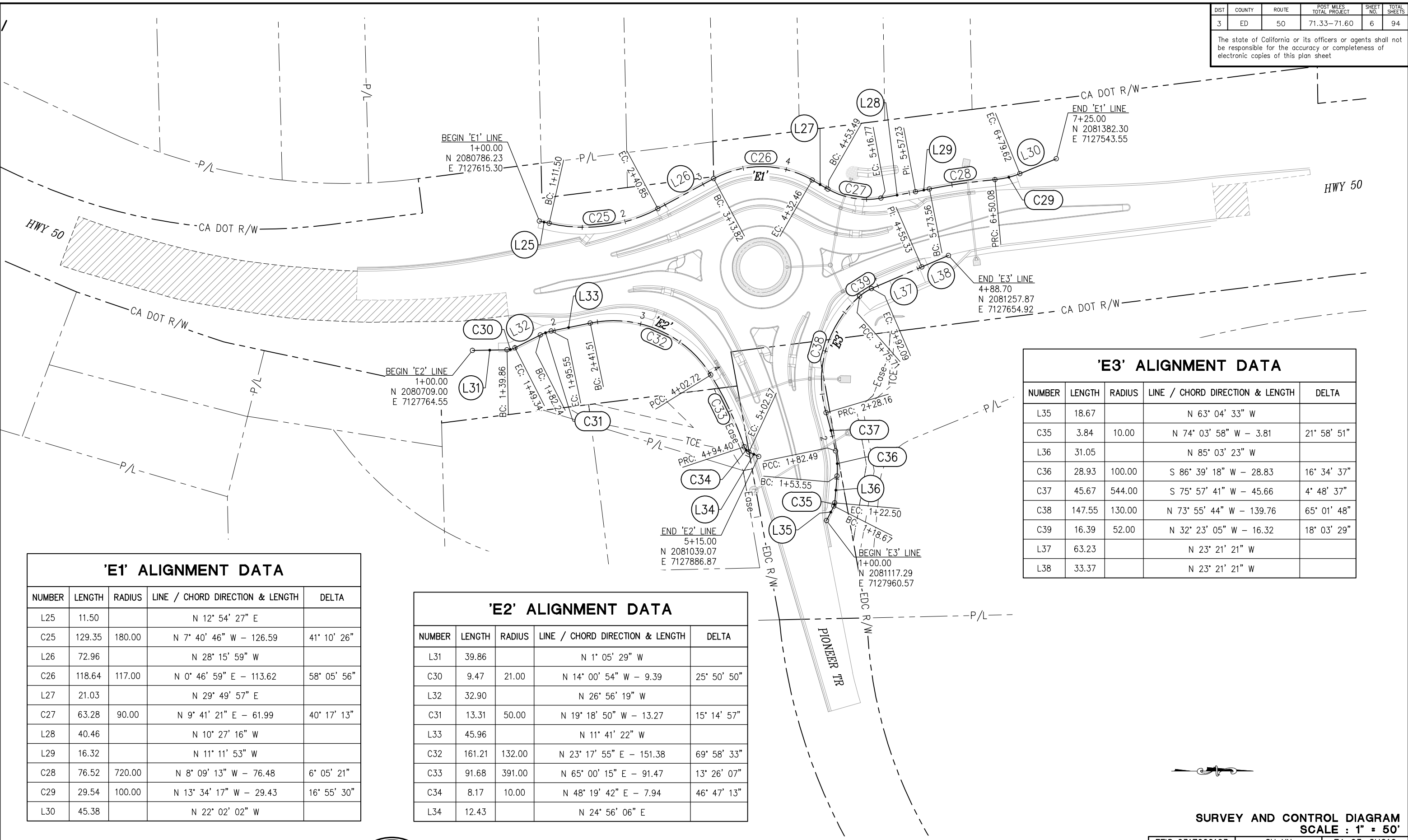
PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT

SHEET
CD-4
 5 OF 94
 W.O. No. **7614**

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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'E1' ALIGNMENT DATA

NUMBER	LENGTH	RADIUS	LINE / CHORD DIRECTION & LENGTH	DELTA
L25	11.50		N 12° 54' 27" E	
C25	129.35	180.00	N 7° 40' 46" W - 126.59	41° 10' 26"
L26	72.96		N 28° 15' 59" W	
C26	118.64	117.00	N 0° 46' 59" E - 113.62	58° 05' 56"
L27	21.03		N 29° 49' 57" E	
C27	63.28	90.00	N 9° 41' 21" E - 61.99	40° 17' 13"
L28	40.46		N 10° 27' 16" W	
L29	16.32		N 11° 11' 53" W	
C28	76.52	720.00	N 8° 09' 13" W - 76.48	6° 05' 21"
C29	29.54	100.00	N 13° 34' 17" W - 29.43	16° 55' 30"
L30	45.38		N 22° 02' 02" W	

'E2' ALIGNMENT DATA

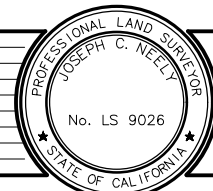
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L31	39.86		N 1° 05' 29" W	
C30	9.47	21.00	N 14° 00' 54" W - 9.39	25° 50' 50"
L32	32.90		N 26° 56' 19" W	
C31	13.31	50.00	N 19° 18' 50" W - 13.27	15° 14' 57"
L33	45.96		N 11° 41' 22" W	
C32	161.21	132.00	N 23° 17' 55" E - 151.38	69° 58' 33"
C33	91.68	391.00	N 65° 00' 15" E - 91.47	13° 26' 07"
C34	8.17	10.00	N 48° 19' 42" E - 7.94	46° 47' 13"
L34	12.43		N 24° 56' 06" E	

'E3' ALIGNMENT DATA

NUMBER	LENGTH	RADIUS	LINE / CHORD DIRECTION & LENGTH	DELTA
L35	18.67		N 63° 04' 33" W	
C35	3.84	10.00	N 74° 03' 58" W - 3.81	21° 58' 51"
L36	31.05		N 85° 03' 23" W	
C36	28.93	100.00	S 86° 39' 18" W - 28.83	16° 34' 37"
C37	45.67	544.00	S 75° 57' 41" W - 45.66	4° 48' 37"
C38	147.55	130.00	N 73° 55' 44" W - 139.76	65° 01' 48"
C39	16.39	52.00	N 32° 23' 05" W - 16.32	18° 03' 29"
L37	63.23		N 23° 21' 21" W	
L38	33.37		N 23° 21' 21" W	

**SURVEY AND CONTROL DIAGRAM
SCALE : 1" = 50'**

EFIS 0317000163 CU XX EA 03-2H610



PREPARED UNDER THE SUPERVISION OF:
Joseph C. Neely
PROFESSIONAL LAND SURVEYOR
DECEMBER 29, 2023

DESIGNED: DP
DRAWN: SGM
CHECKED: JCN
DATE: 03/31/23
ROAD NUMBER: 117



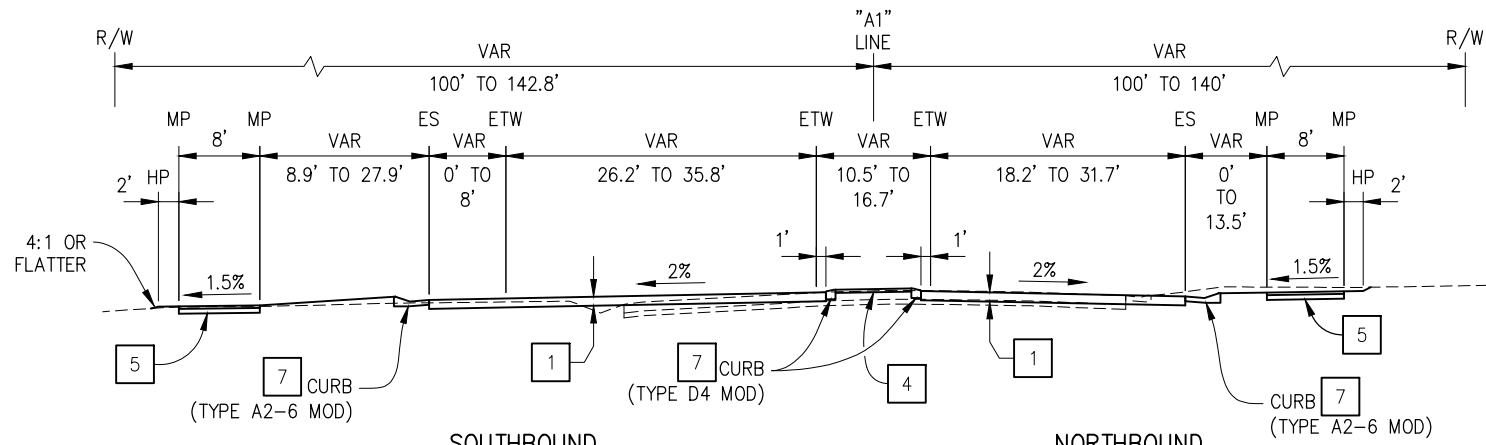
**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

**PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT**

SHEET
CD-5
6 OF 94
W.O. No.
7614

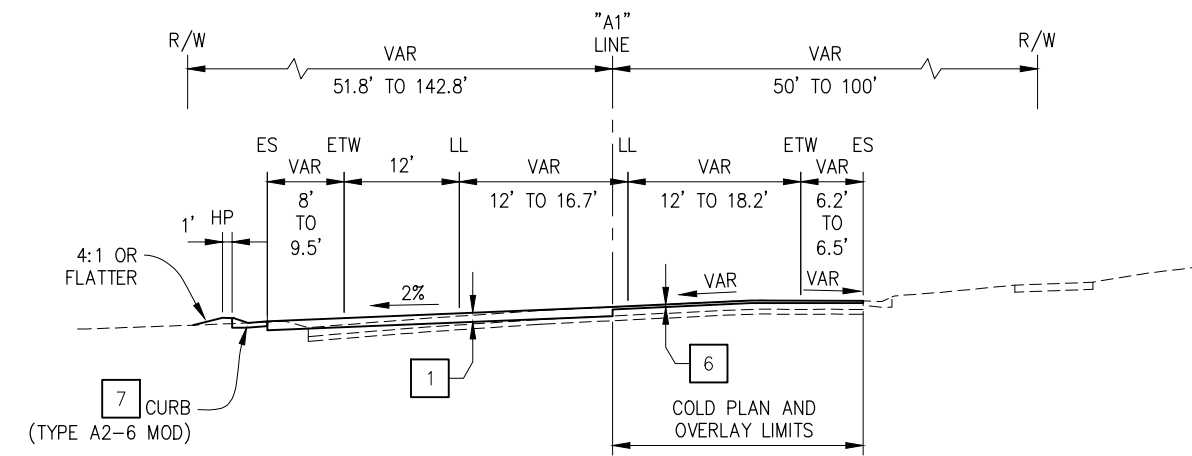
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	7	94

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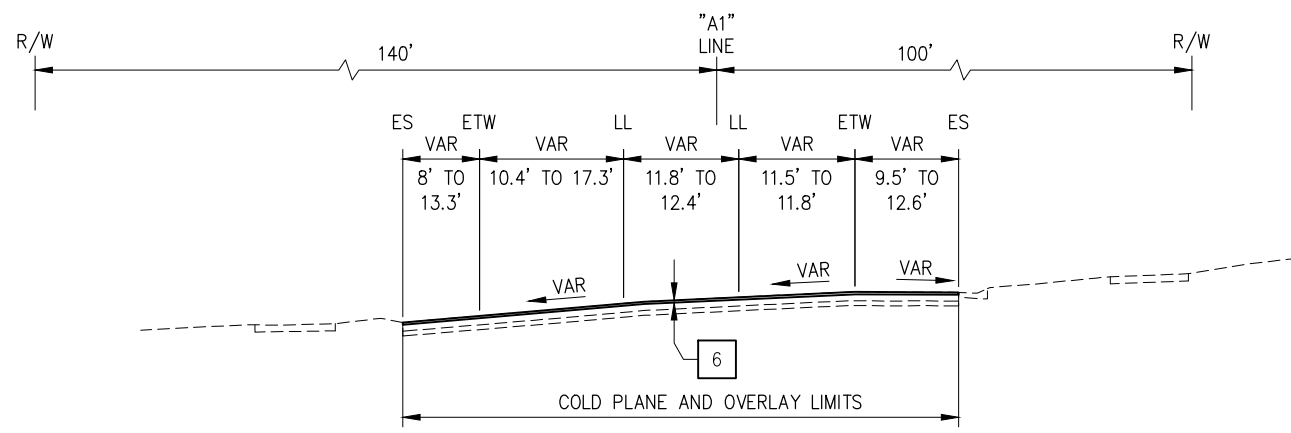


SOUTHBOUND
"A1" 243+87.52 TO "A1" 245+12.86
US 50

NORTHBOUND
"A1" 243+87.52 TO "A1" 245+27.54
US 50



"A1" 242+15.00 TO "A1" 243+87.52
US 50



"A1" 238+50.00 TO "A1" 242+15.00
US 50

DESIGN DESIGNATION

ADT (2015)	12,800	D	55%
ADT (2040)	18,500	T	4%
DHV	512	V	55 MPH
ESAL	1,575,150	T ₂₀	9.5

CLIMATE REGION

HIGH MOUNTAIN

ABBREVIATIONS:

MP — MULTI PURPOSE TRAIL

TYPICAL PAVEMENT STRUCTURAL SECTIONS:

- 1 — 0.95 HMA (TYPE A)
- 2 — 0.80 HMA (TYPE A)
- 3 — 0.90 TEXTURED CRCP (TRUCK APRON)
- 4 — 0.33' TEXTURED PCC (ISLAND PAVING)
- 5 — 0.25' HMA (TYPE A) OVER 0.50' AB (CLASS 2)
- 6 — 0.25' COLD PLANE 0.25' HMA (TYPE A)
- 7 — SEE SHT C-19 FOR CURB DETAILS

TYPICAL SECTIONS SCALE : NONE

CJ XX	EFIS 0317000163	EA 03-2H610
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FOR REDUCED PLANS

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
DATE: **DECEMBER 29, 2023**

DESIGNED: DP
DRAWN: SGM
CHECKED: DP
DATE: 03/31/23
ROAD NUMBER: 000



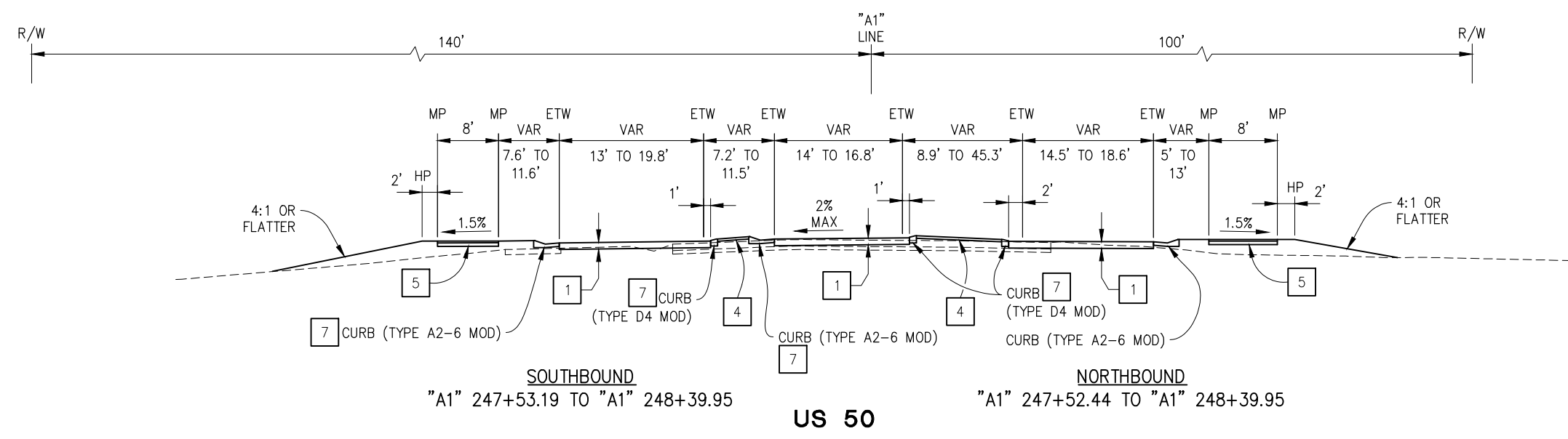
**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

**PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT**

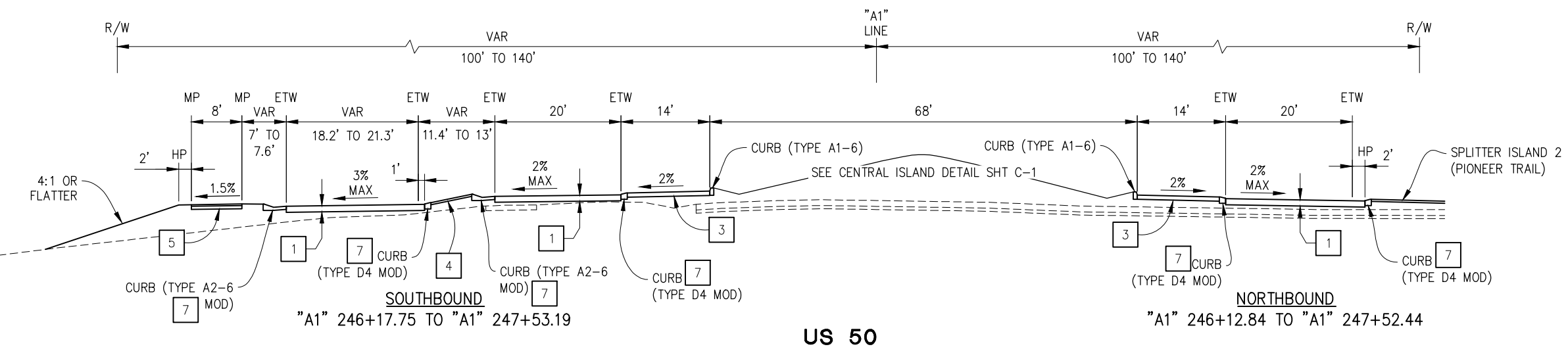
SHEET
X-1
7 OF 94
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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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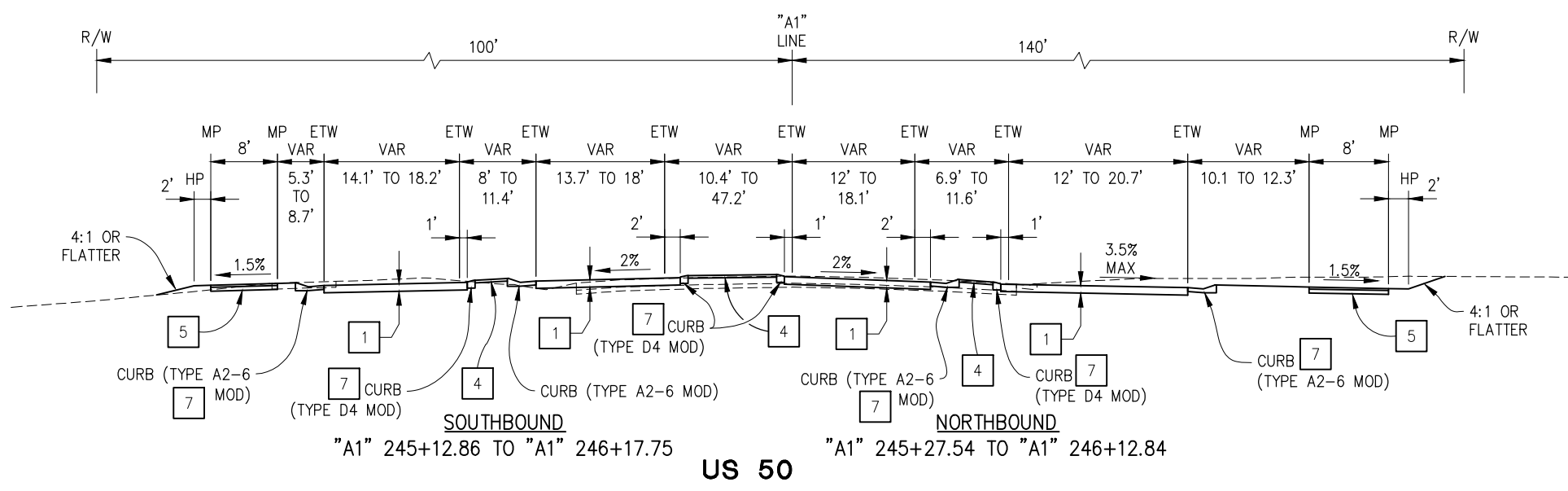
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SOUTHBOUND
"A1" 247+53.19 TO "A1" 248+39.95
US 50
NORTHBOUND
"A1" 247+52.44 TO "A1" 248+39.95



SOUTHBOUND
"A1" 246+17.75 TO "A1" 247+53.19
US 50
NORTHBOUND
"A1" 246+12.84 TO "A1" 247+52.44



SOUTHBOUND
"A1" 245+12.86 TO "A1" 246+17.75
US 50
NORTHBOUND
"A1" 245+27.54 TO "A1" 246+12.84

TYPICAL SECTIONS
SCALE : NONE

CU XX	EFIS 0317000163	EA 03-2H610
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FOR REDUCED PLANS
2
1
0

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
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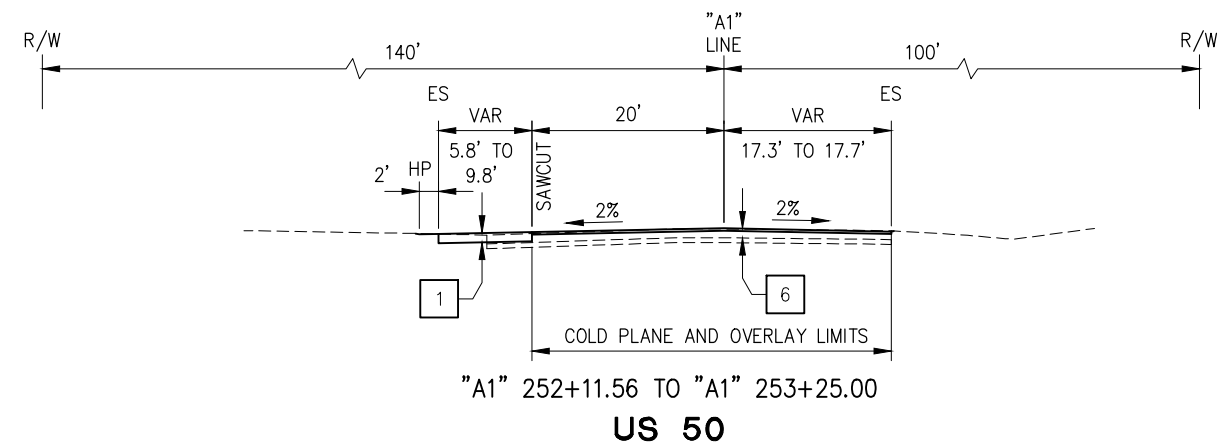
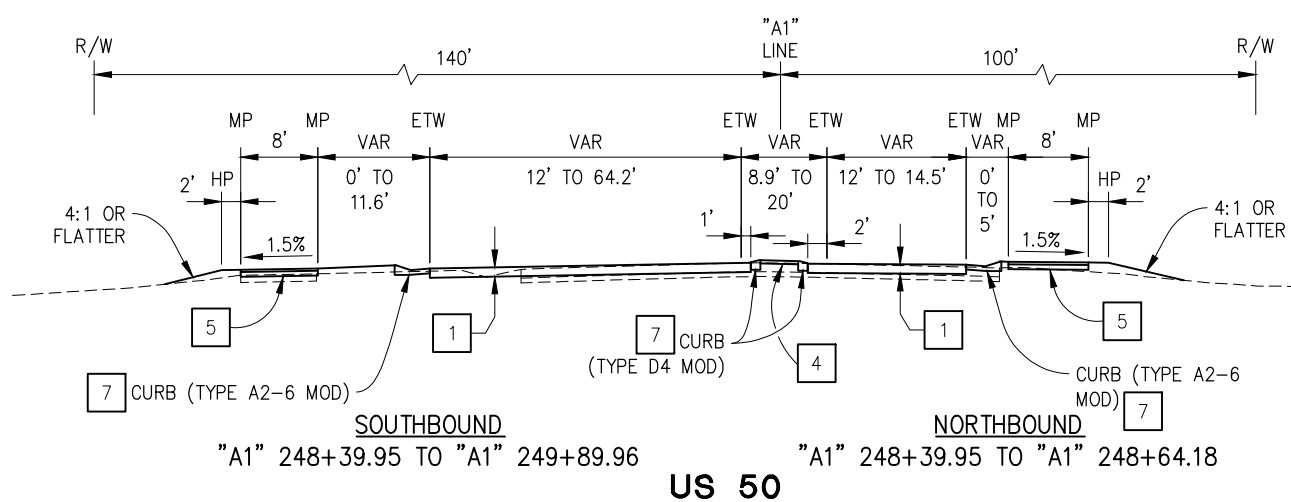
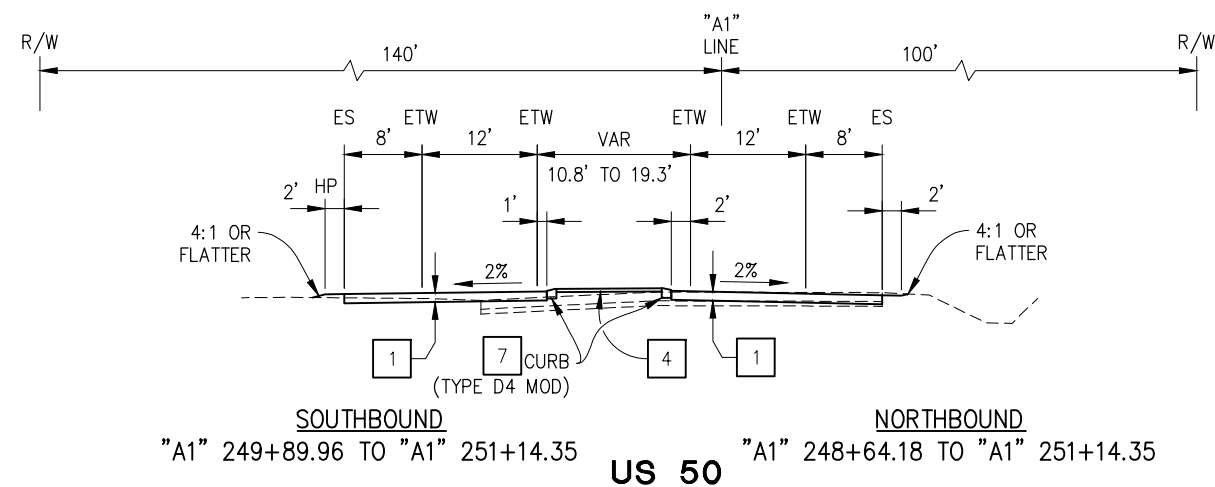
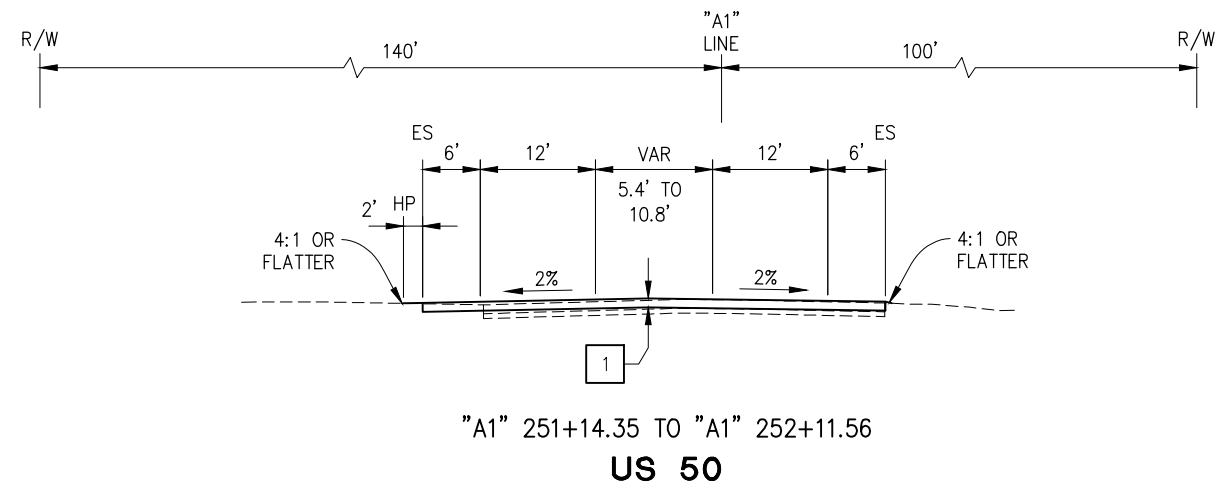
COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT

SHEET
X-2
8 OF 94
W.O. No.
7614

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	9	94

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TYPICAL SECTIONS
SCALE : NONE

CU XX	EFIS 0317000163	EA 03-2H610
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ORIGINAL SCALE IS IN INCHES
Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\X-Sheets.dwg Layout Tab: X-3 Dec 28, 2023 - 11:37am ksujiyama

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REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF :
[Signature]
REGISTERED CIVIL ENGINEER
DATE: **DECEMBER 29, 2023**

DESIGNED: DP
DRAWN: SGM
CHECKED: DP
DATE: 03/31/23
ROAD NUMBER: 000



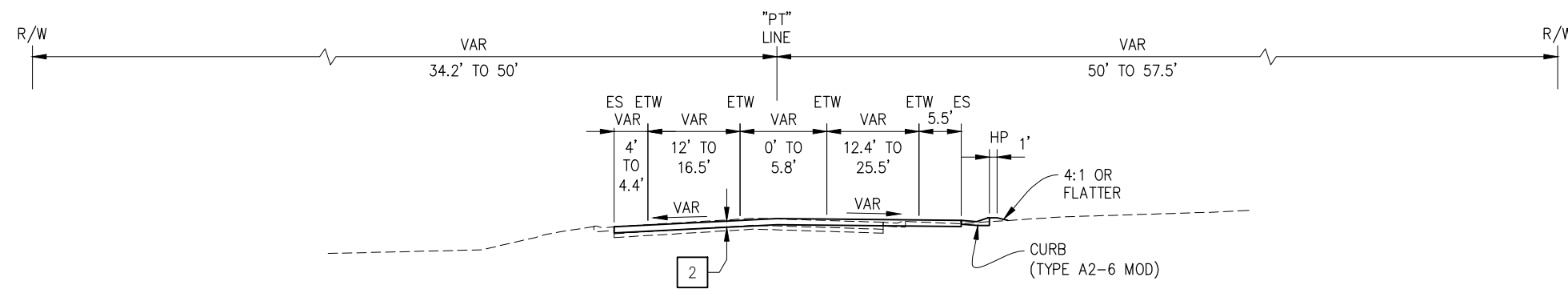
COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT

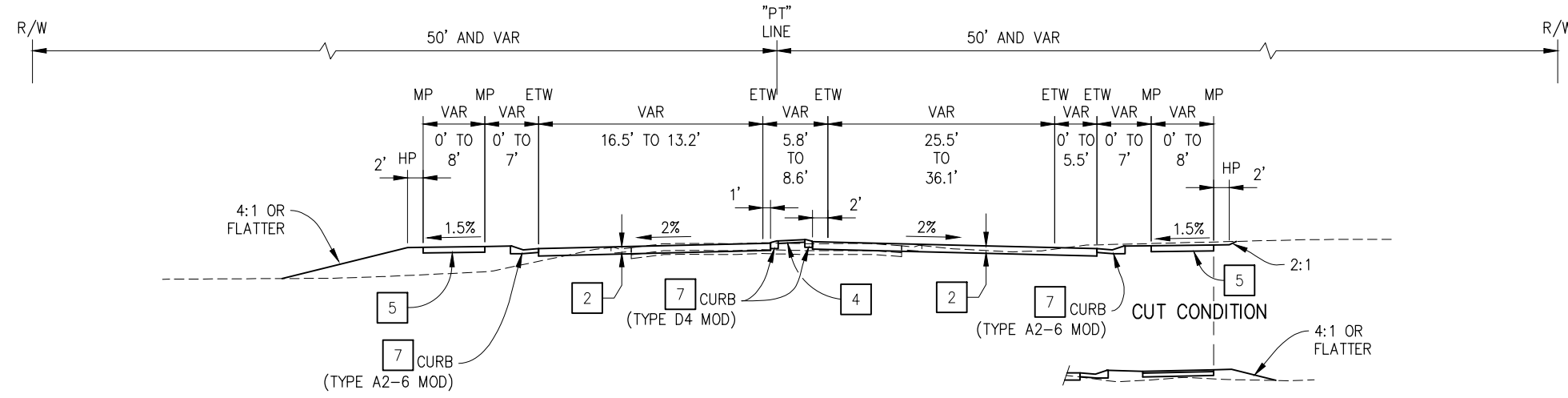
SHEET
X-3
9 OF 94
W.O. No.
7614

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	10	94

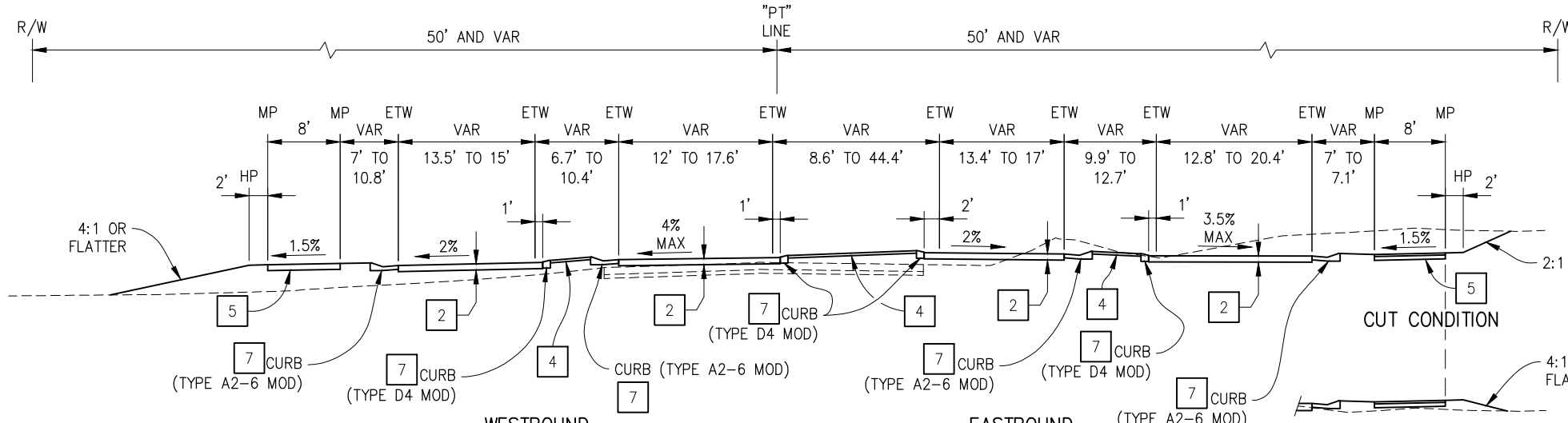
The state of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet



"PT" 14+17.02 TO "PT" 16+74.92
PIONEER TRAIL



WESTBOUND "PT" 13+04.81 TO "PT" 14+17.02
EASTBOUND "PT" 13+11.45 TO "PT" 14+17.02
PIONEER TRAIL



WESTBOUND "PT" 12+17.90 TO "PT" 13+04.81
EASTBOUND "PT" 12+24.46 TO "PT" 13+11.45
PIONEER TRAIL

TYPICAL SECTIONS
SCALE : NONE

CU XX	EFIS 0317000163	EA 03-2H610
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FOR REDUCED PLANS

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
DATE: **DECEMBER 29, 2023**

DESIGNED: DP
DRAWN: SGM
CHECKED: DP
DATE: 03/31/23
ROAD NUMBER: 000



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

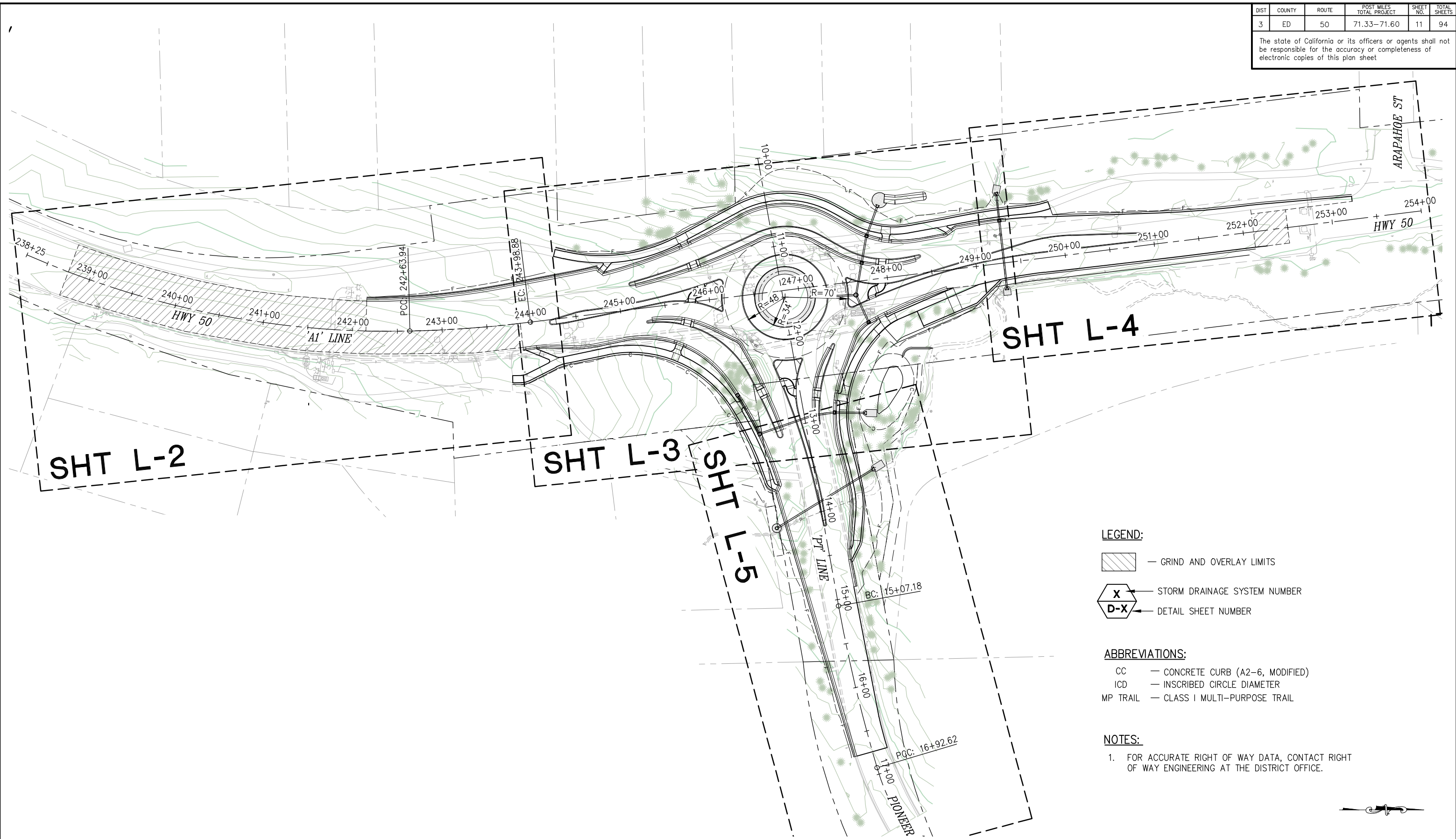
PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT

SHEET
X-4
10 OF 94
W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	11	94

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ORIGINAL SCALE IS IN INCHES
 Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\L-Sheets.dwg Layout Tab: L-1 Sep 16, 2024 11:49am ksujiyama
 FOR REDUCED PLANS



LEGEND:

— GRIND AND OVERLAY LIMITS

— STORM DRAINAGE SYSTEM NUMBER

— DETAIL SHEET NUMBER

ABBREVIATIONS:

CC — CONCRETE CURB (A2-6, MODIFIED)

ICD — INSCRIBED CIRCLE DIAMETER

MP TRAIL — CLASS I MULTI-PURPOSE TRAIL

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

LAYOUT-KEY MAP
SCALE : 1" = 50'

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF :

REGISTERED CIVIL ENGINEER
DATE: **DECEMBER 29, 2023**

DESIGNED: DP
DRAWN: KIS
CHECKED: DP
DATE: 10/05/23
ROAD NUMBER: 000



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

CU XX EFIS 0317000163 EA 03-2H610

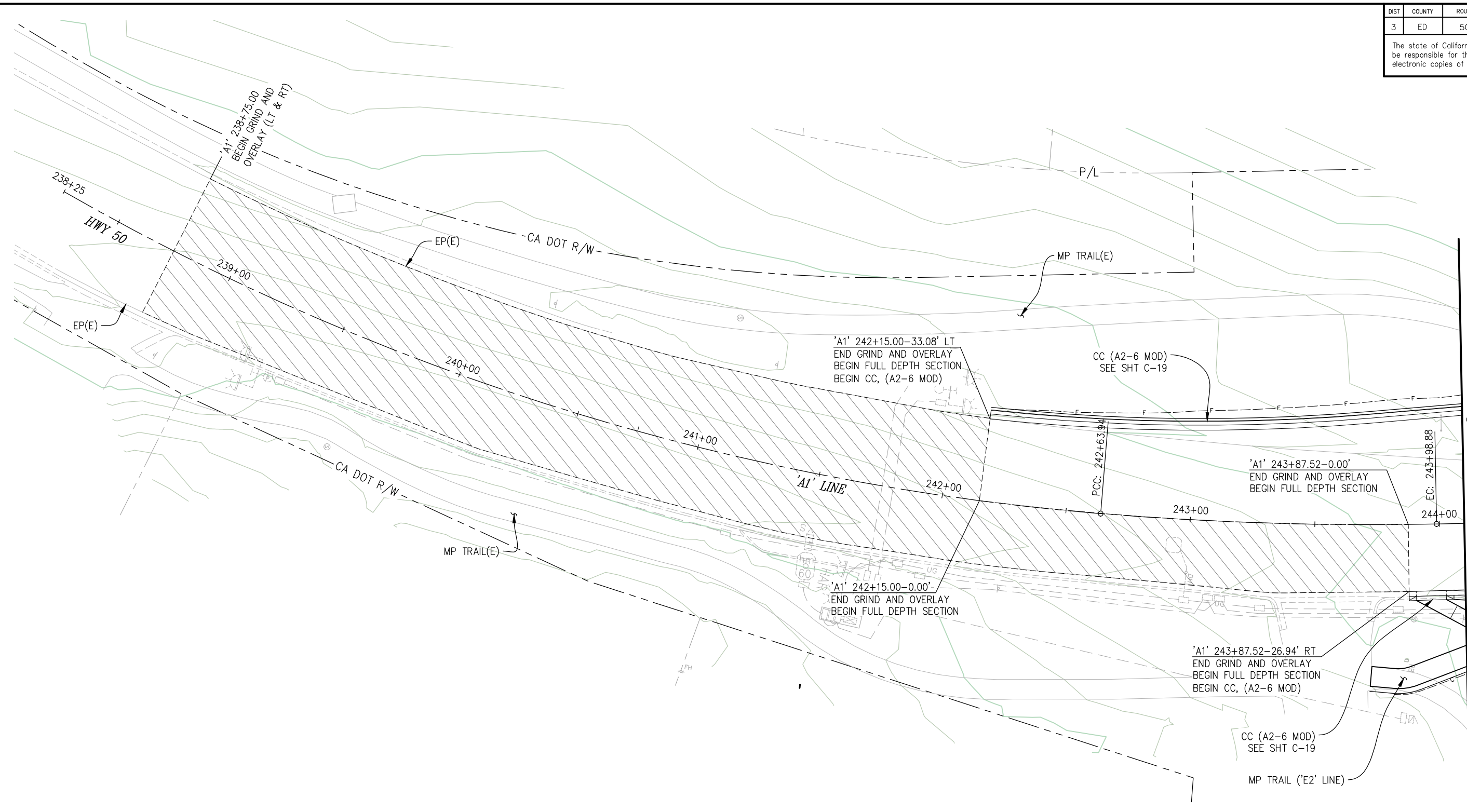
PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT

SHEET
L-1
11 OF 94
W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	12	94

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 Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\L-Sheets.dwg Layout Tab: L-2 Sep 16, 2024 - 11:52am ksugiyama



LAYOUT
SCALE : 1" = 20'

CU XX	EFIS 0317000163	EA 03-2H610
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PREPARED UNDER THE SUPERVISION OF :

 REGISTERED CIVIL ENGINEER
 DATE: **DECEMBER 29, 2023**

DESIGNED: DP
 DRAWN: KIS
 CHECKED: DP
 DATE: 10/05/23
 ROAD NUMBER: 000



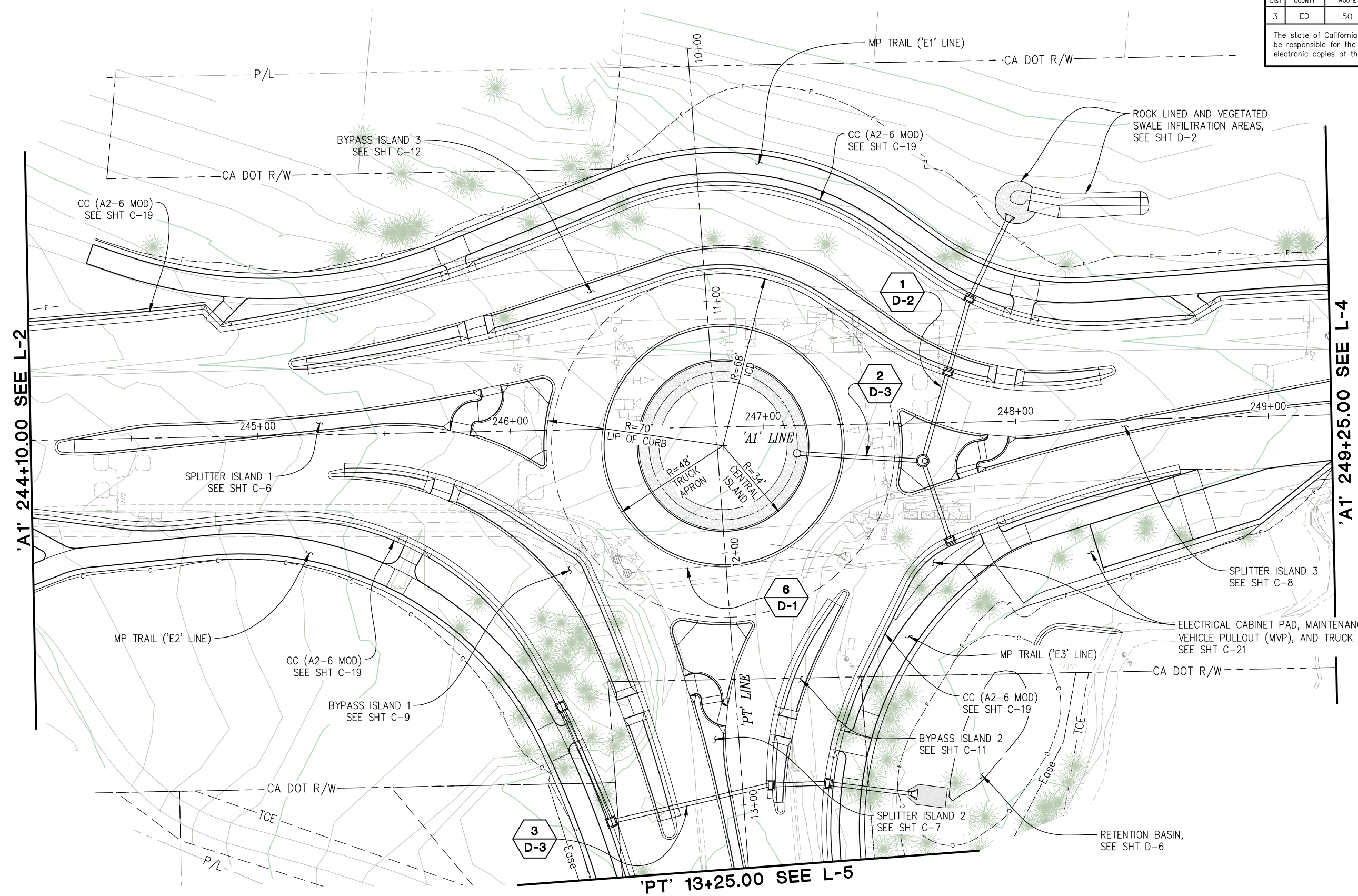
COUNTY OF EL DORADO
 DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50
 INTERSECTION SAFETY
 IMPROVEMENT PROJECT

SHEET
L-2
 12 OF 94
 W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	13	94

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ORIGINAL SCALE IS IN INCHES
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 FOR REDUCED PLANS
 2
 1
 0

'A1' 244+10.00 SEE L-2

'A1' 249+25.00 SEE L-4

'PT' 13+25.00 SEE L-5

LAYOUT
SCALE : 1" = 20'

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

 REGISTERED CIVIL ENGINEER
 DATE: **DECEMBER 29, 2023**

DESIGNED: DP
 DRAWN: KIS
 CHECKED: DP
 DATE: 10/05/23
 ROAD NUMBER: 000



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

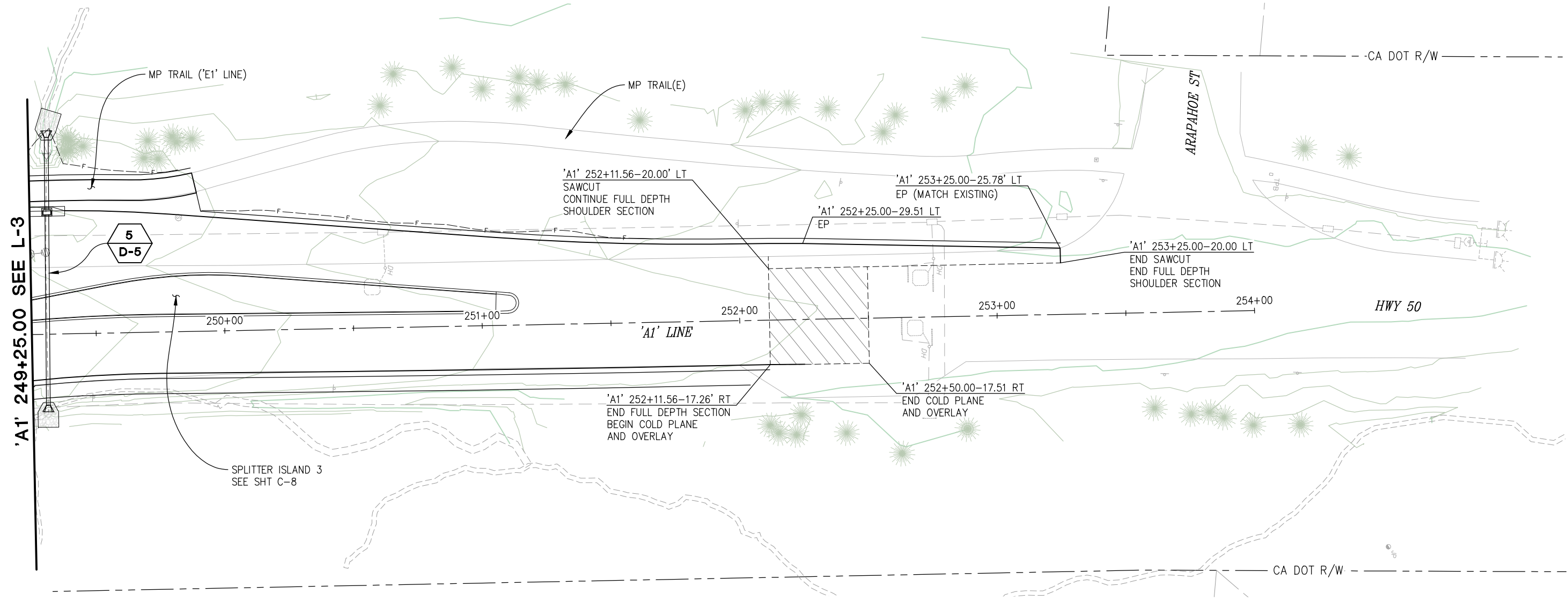
CU XX EFIS 0317000163 EA 03-2H610
**PIONEER TRAIL/US HIGHWAY 50
 INTERSECTION SAFETY
 IMPROVEMENT PROJECT**

SHEET
L-3
 13 OF 94
 W.O. No. **7614**

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	14	94

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ORIGINAL SCALE IS IN INCHES
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 FOR REDUCED PLANS
 2
 1
 0



LAYOUT
SCALE : 1" = 20'

CU XX	EFIS 0317000163	EA 03-2H610
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 REGISTERED CIVIL ENGINEER
 DATE: **DECEMBER 29, 2023**

DESIGNED: DP
 DRAWN: KIS
 CHECKED: DP
 DATE: 10/05/23
 ROAD NUMBER: 000



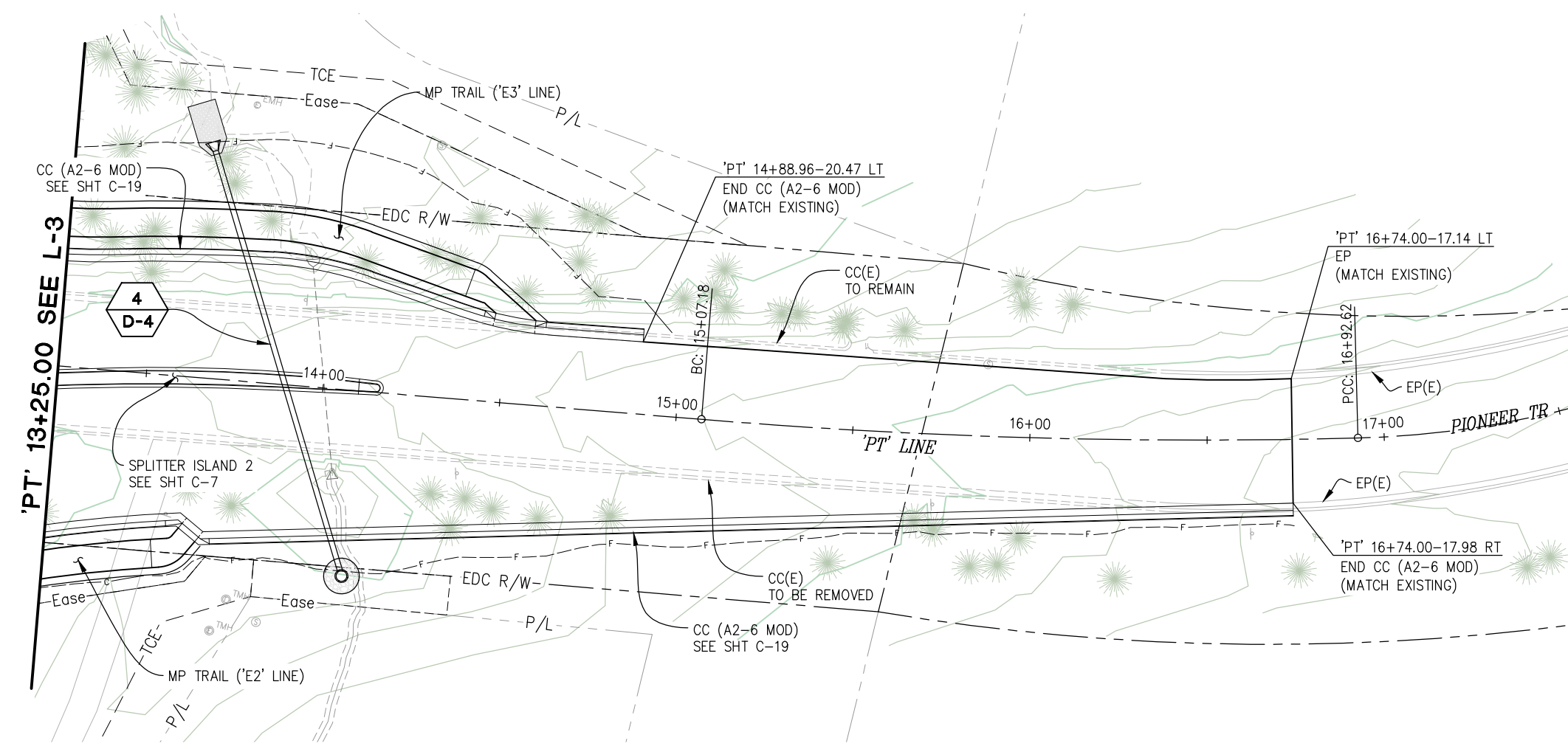
COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT

SHEET
L-4
14 OF 94
W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	15	94

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ORIGINAL SCALE IS IN INCHES
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FOR REDUCED PLANS
2
1
0

LAYOUT
SCALE : 1" = 20'

CU XX	EFIS 0317000163	EA 03-2H610
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REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

 REGISTERED CIVIL ENGINEER
 DATE: **DECEMBER 29, 2023**

DESIGNED: DP
 DRAWN: KIS
 CHECKED: DP
 DATE: 10/05/23
 ROAD NUMBER: 000



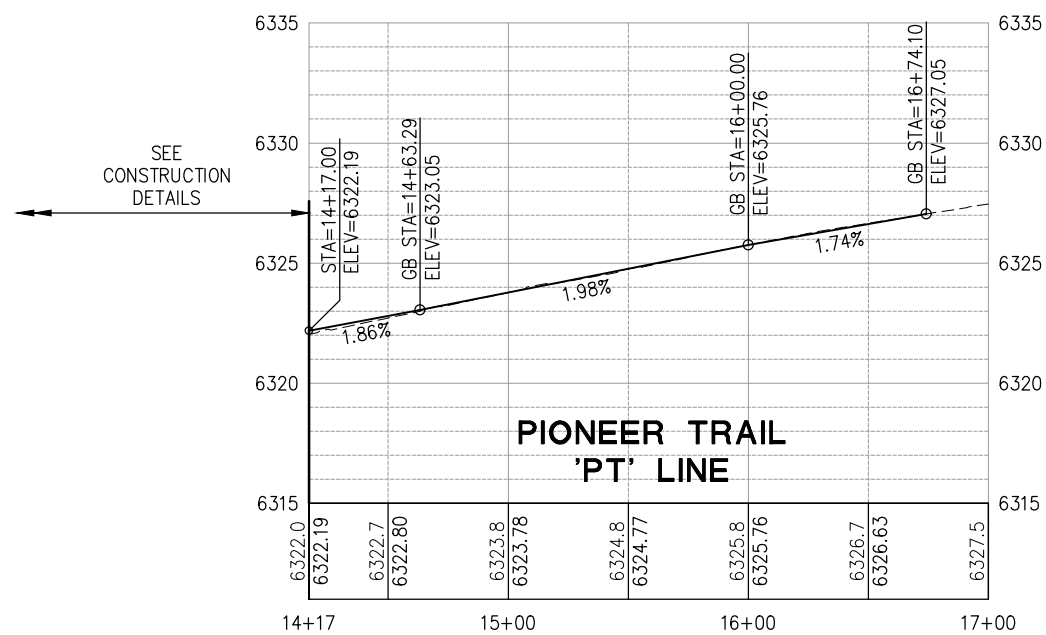
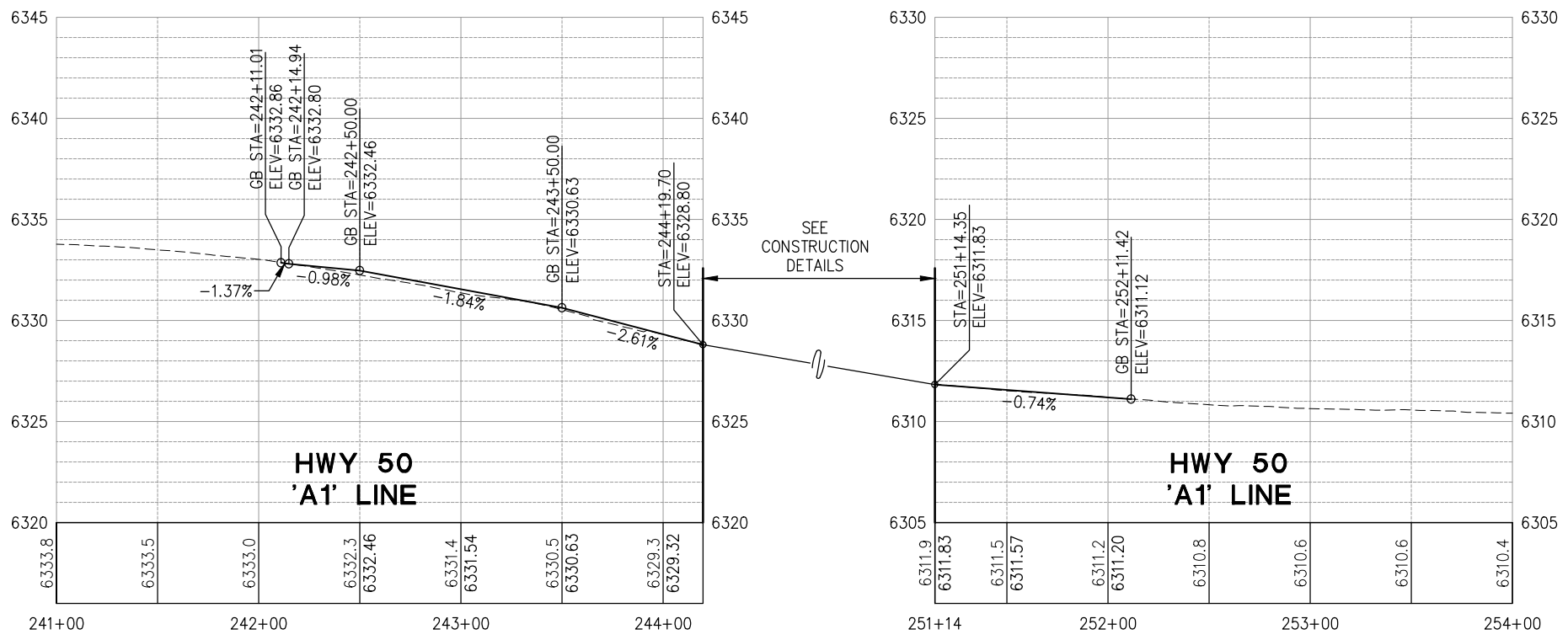
COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT

SHEET
L-5
15 OF 94
W.O. No. **7614**

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	16	94

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PROFILE SCALE : 1" = 40'H, 1"-4'V

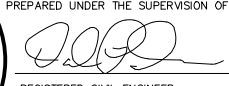
CU XX	EFIS 0317000163	EA 03-2H610
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FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\P-Sheets.dwg Layout Tab: P-1 Nov 04, 2024 - 2:05pm dplarcro



REVISION	NUMBER	DATE	DESCRIPTION	BY



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 DATE:

DESIGNED: DP
 DRAWN: KIS
 CHECKED: DP
 DATE: 10/05/23
 ROAD NUMBER: 000



COUNTY OF EL DORADO
 DEPARTMENT OF TRANSPORTATION

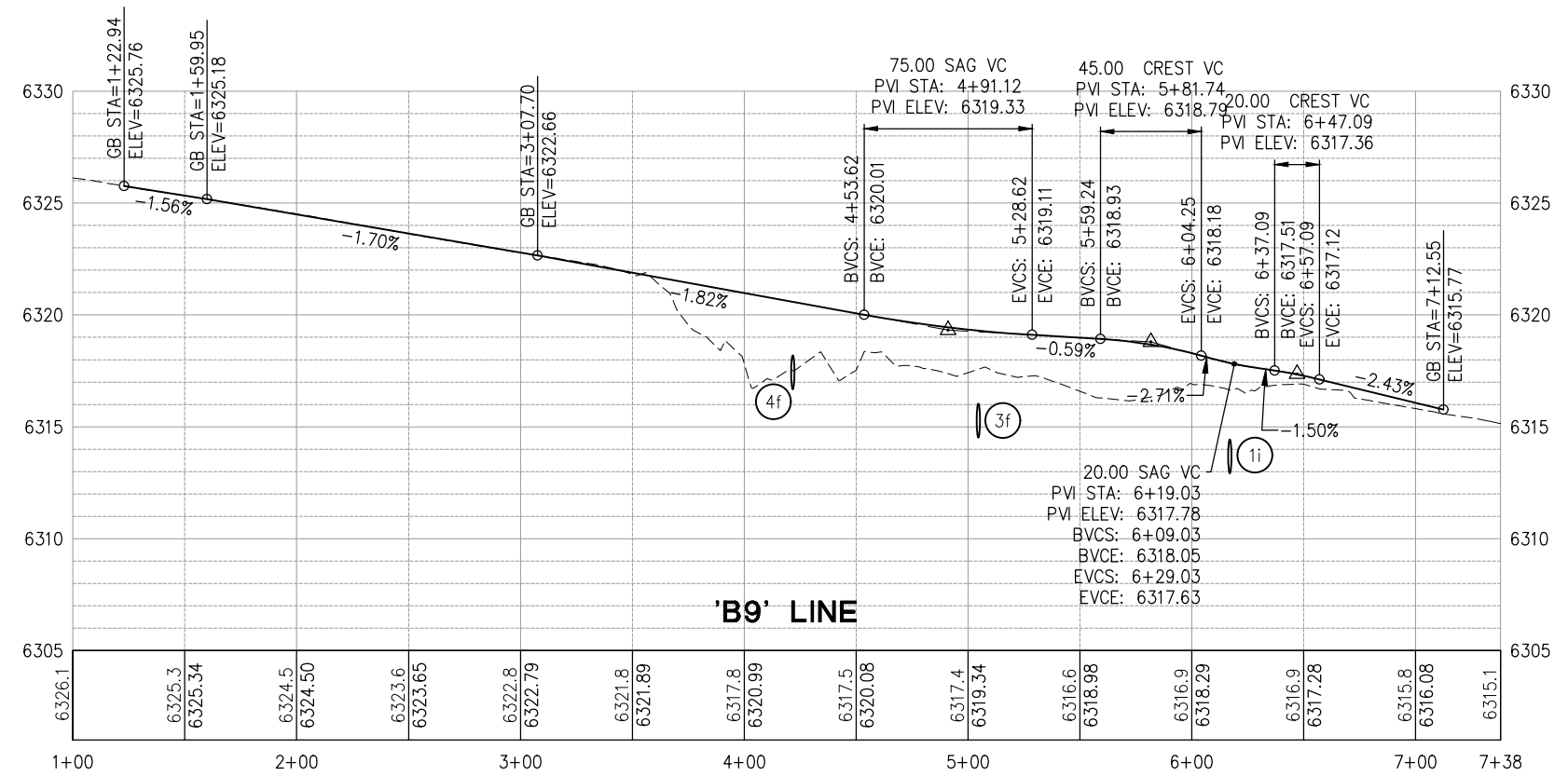
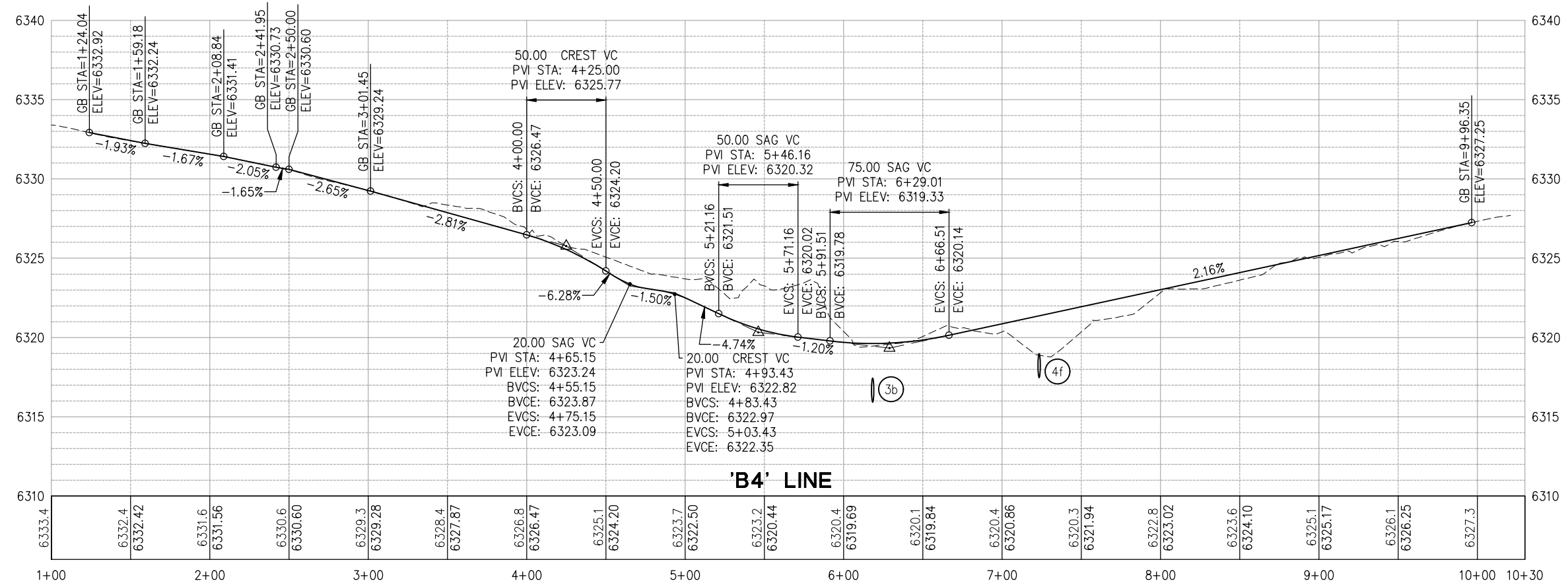
PIONEER TRAIL/US HIGHWAY 50
 INTERSECTION SAFETY
 IMPROVEMENT PROJECT

SHEET
P-1
 16 OF 94
 W.O. No.
7614

ORIGINAL SCALE IS IN INCHES
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 Layout Tab: P-2 Sep 16, 2024 1:55pm ksujiyama

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	17	94

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PROFILE SCALE : 1" = 40'H, 1"-4'V

CU XX	EFIS 0317000163	EA 03-2H610
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REVISION	NUMBER	DATE	DESCRIPTION	BY



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DESIGNED: DP
 DRAWN: KIS
 CHECKED: DP
 DATE: 10/05/23
 ROAD NUMBER: 000



COUNTY OF EL DORADO DEPARTMENT OF TRANSPORTATION

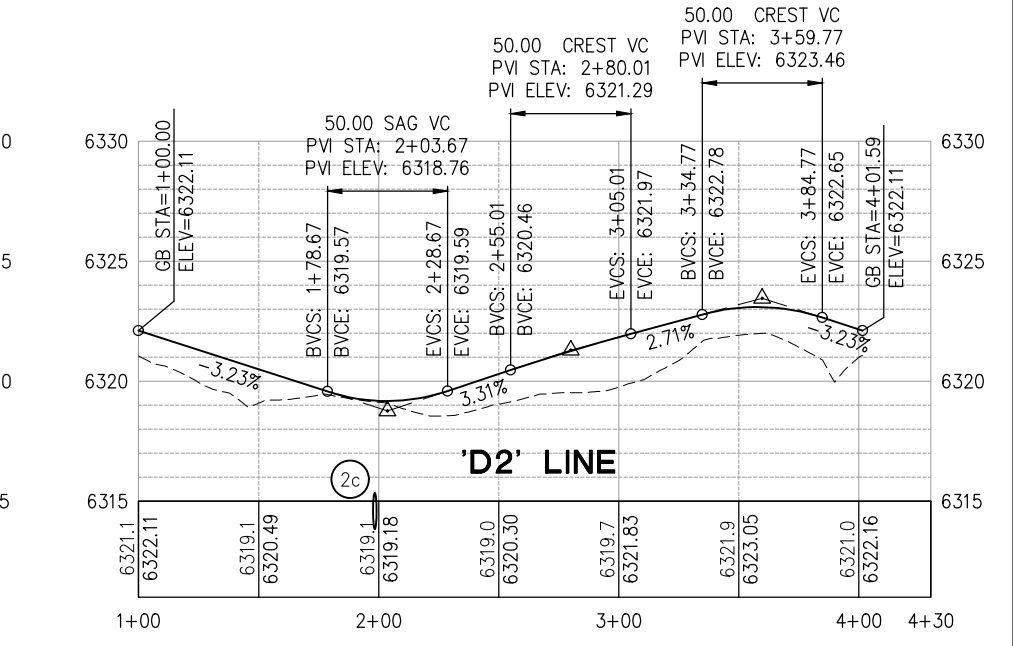
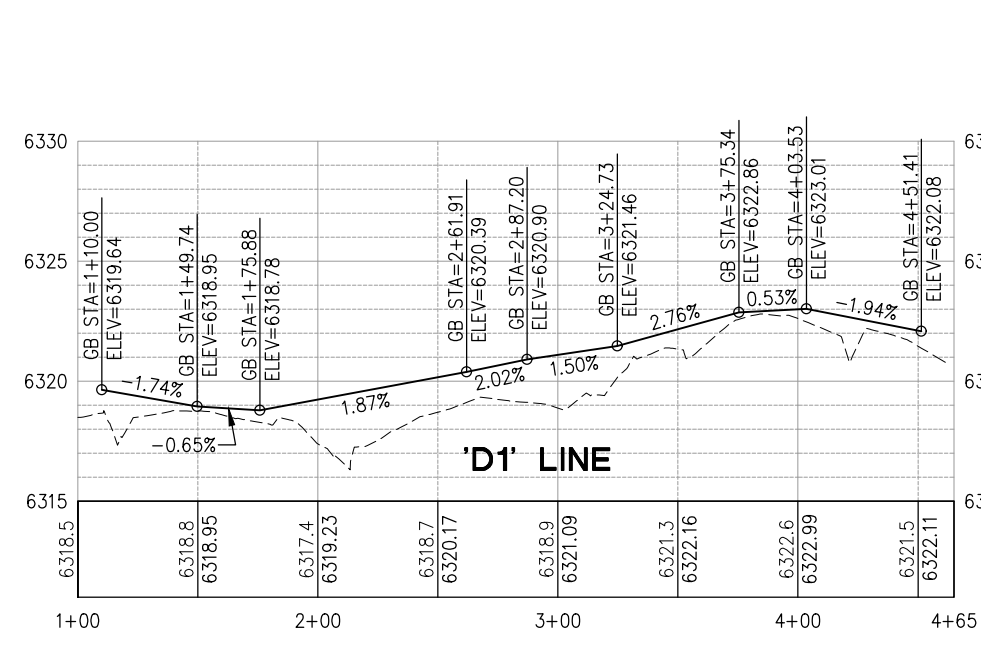
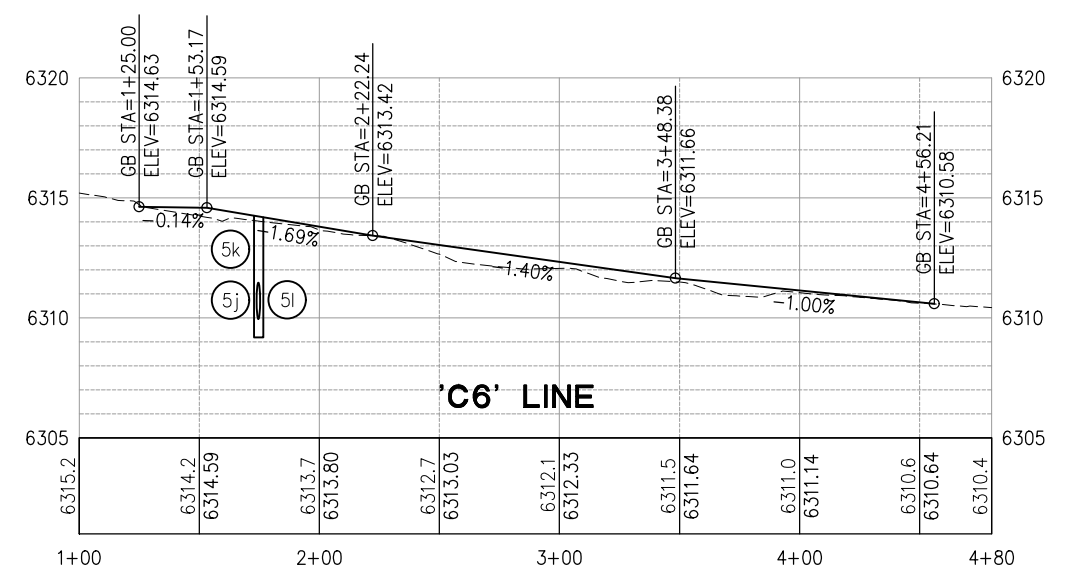
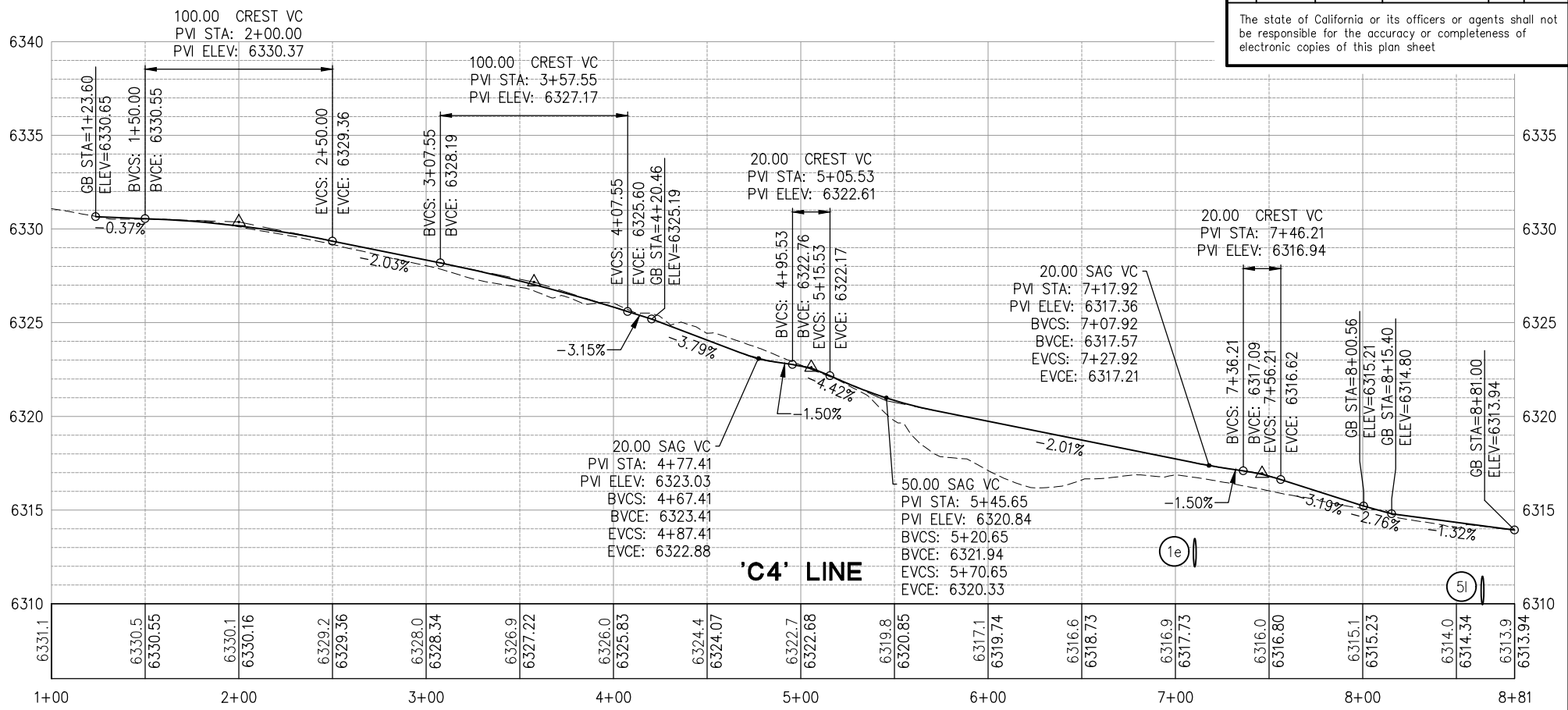
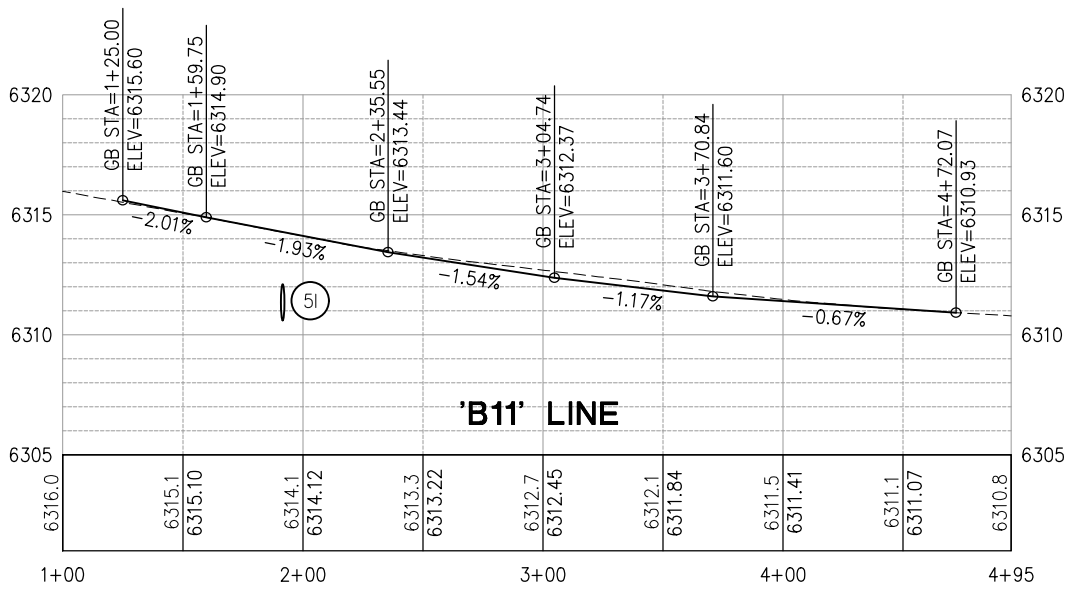
PIONEER TRAIL/US HIGHWAY 50 INTERSECTION SAFETY IMPROVEMENT PROJECT

SHEET **P-2**
 17 OF 94
 W.O. No. **7614**

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	18	94

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ORIGINAL SCALE IS IN INCHES
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Layout Tab: P-3 Nov 04, 2024 - 2:19pm dplarocon



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 DATE: **DECEMBER 29, 2023**

DESIGNED: DP
 DRAWN: KIS
 CHECKED: DP
 DATE: 10/05/23
 ROAD NUMBER: 000



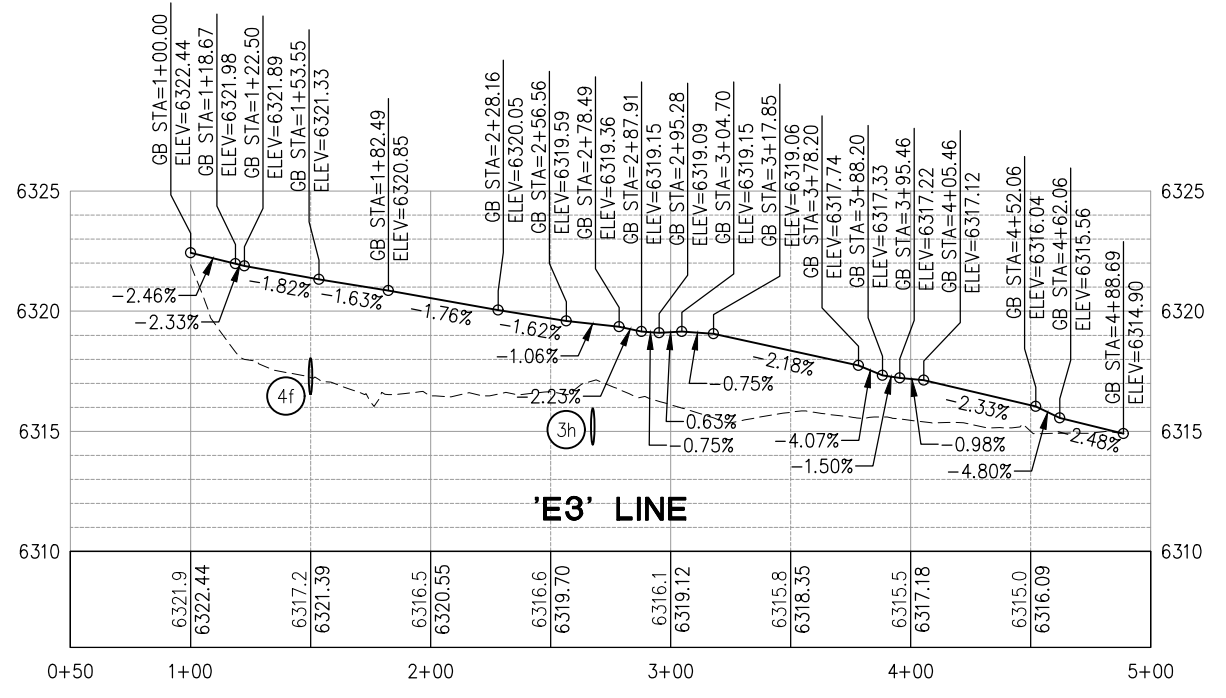
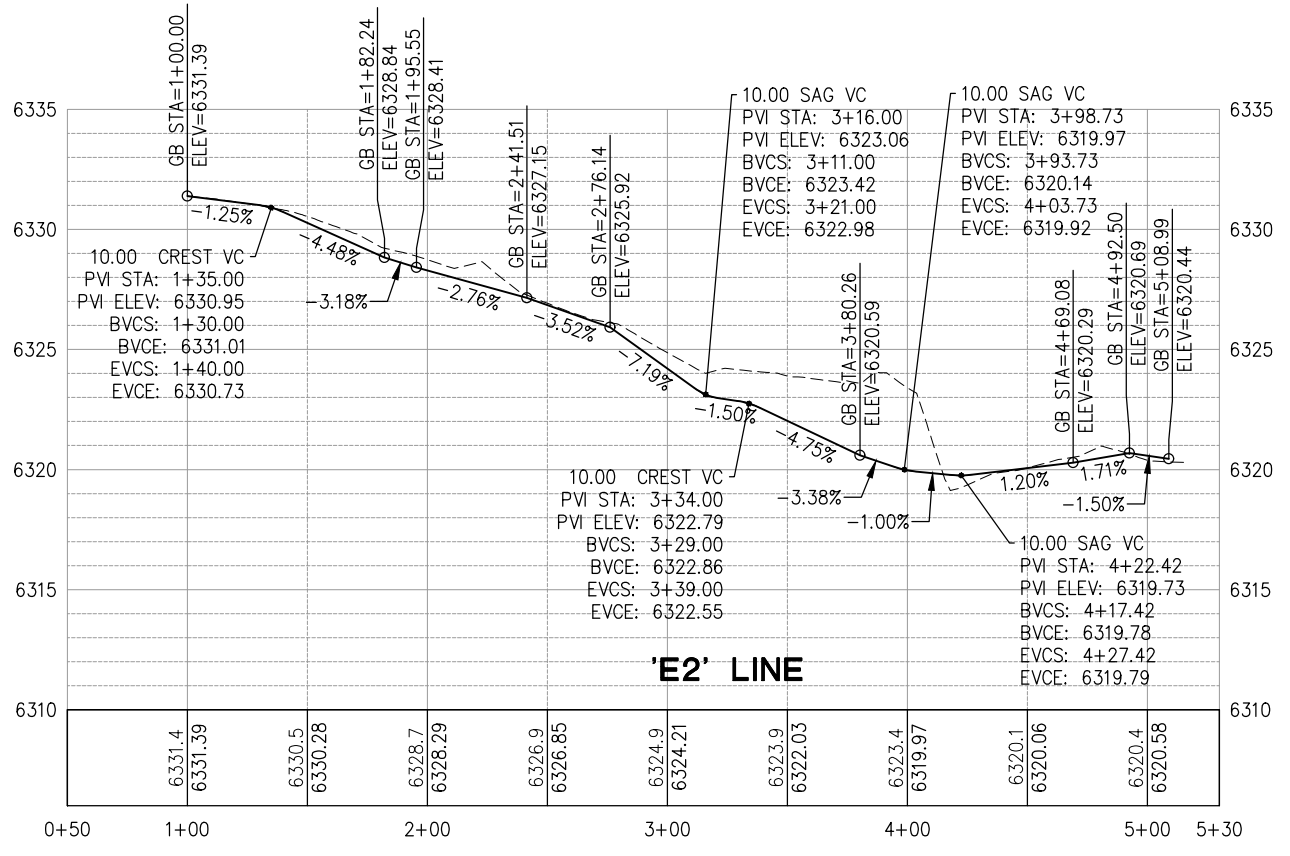
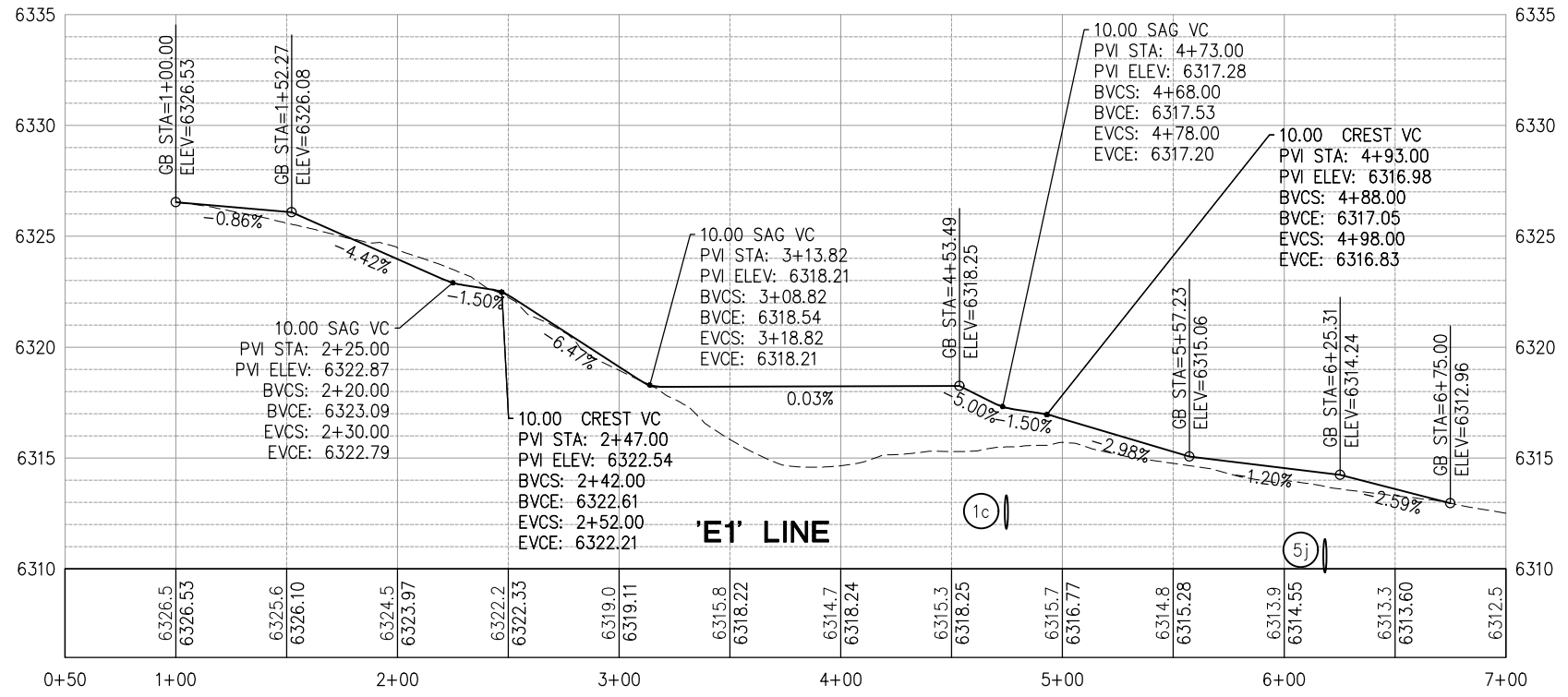
**COUNTY OF EL DORADO
 DEPARTMENT OF TRANSPORTATION**

**PIONEER TRAIL/US HIGHWAY 50
 INTERSECTION SAFETY
 IMPROVEMENT PROJECT**

SHEET
P-3
 18 OF 94
 W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	19	94

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Drawing name: Z:\Civil_3D\Projects\36104026\Pioneer Roundabout\CADD\Files\Sheets\P-Sheets.dwg
Layout Tab: P-4 Sep 16, 2024 - 2:03pm ksujayama



PROFILE SCALE : 1" = 40'H, 1"-4'V

CU XX	EFIS 0317000163	EA 03-2H610
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REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
DECEMBER 29, 2023

DESIGNED: DP
DRAWN: KIS
CHECKED: DP
DATE: 10/05/23
ROAD NUMBER: 000



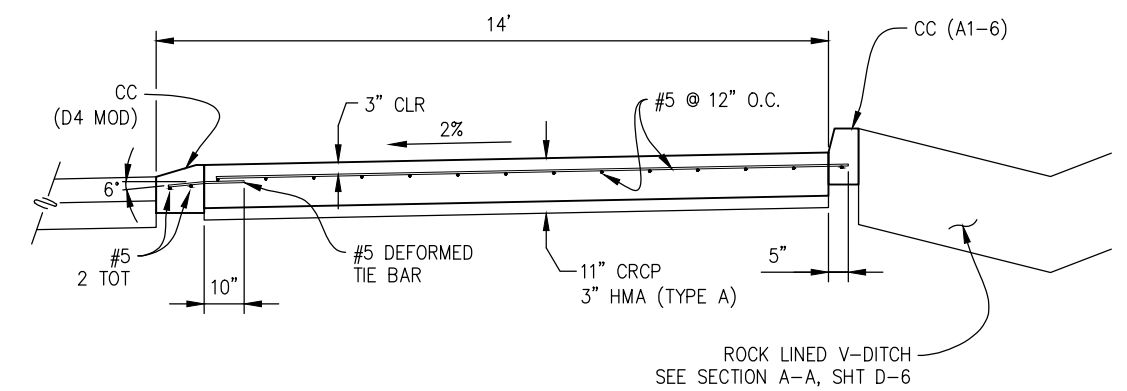
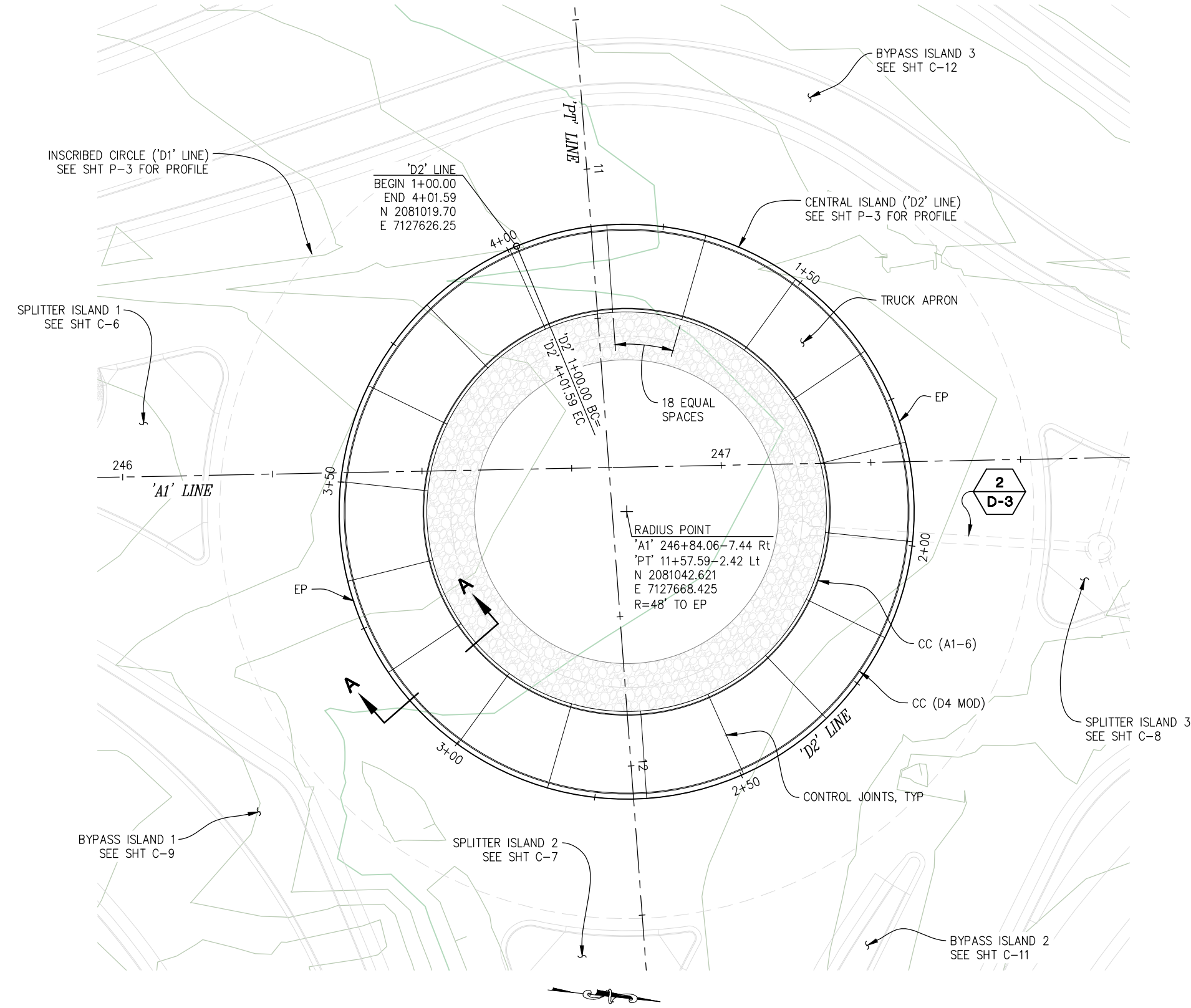
COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT

SHEET
P-4
19 OF 94
W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	20	94

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SECTION A-A
NTS

STATION	OFFSET	GRADE	DESCRIPTION
'D2' 1+00.00	0.00'	6322.11	BC
'D2' 1+25.00	0.00'	6321.30	
'D2' 1+50.00	0.00'	6320.49	
'D2' 1+75.00	0.00'	6319.69	
'D2' 2+00.00	0.00'	6319.18	
'D2' 2+03.34	0.00'	6319.17	LOW POINT
'D2' 2+25.00	0.00'	6319.48	
'D2' 2+50.00	0.00'	6320.30	
'D2' 2+75.00	0.00'	6321.10	
'D2' 3+00.00	0.00'	6321.83	
'D2' 3+25.00	0.00'	6322.51	
'D2' 3+50.00	0.00'	6323.05	
'D2' 3+57.62	0.00'	6323.09	HIGH POINT
'D2' 3+75.00	0.00'	6322.91	
'D2' 4+00.00	0.00'	6322.16	
'D2' 4+01.50	0.00'	6322.11	EC

- GENERAL NOTES:**
- UNLESS OTHERWISE NOTED: STATION, OFFSET, AND GRADE ARE TO FACE OF CURB AT EP
 - SEE SHT 'P-3' FOR ASSOCIATED 'D2' PROFILE

CENTRAL ISLAND - 'D2' LINE
SCALE: 1"=10'

CONSTRUCTION DETAILS
SCALE : AS SHOWN

CU XX	EFIS 0317000163	EA 03-2H610
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ORIGINAL SCALE IS IN INCHES
Drawing name: C:\Users\ksugiyama\Desktop\C-Sheets.dwg Layout Tab: C-1 Dec 29, 2023 2:20pm ksugiyama

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REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
DATE: **DECEMBER 29, 2023**

DESIGNED: DP
DRAWN: KIS
CHECKED: DP
DATE: 10/05/23
ROAD NUMBER: 000



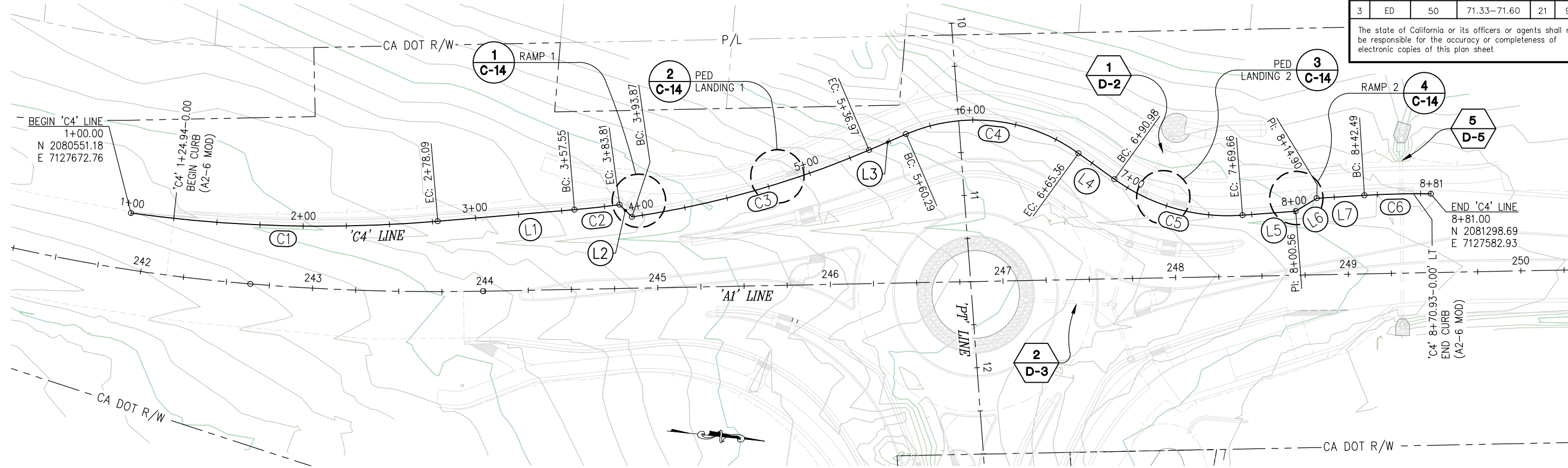
COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT

SHEET
C-1
20 OF 94
W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	21	94

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'C4' LINE - A2-6 MODIFIED CURB

SCALE: 1"=30'

'C4' ALIGNMENT DATA				
NUMBER	LENGTH	RADIUS	LINE / CHORD DIRECTION & LENGTH	DELTA
C1	178.09	800.00	N 4° 29' 09" W - 177.72	12° 45' 17"
L1	79.46		N 10° 51' 47" W	
C2	26.26	542.00	N 12° 15' 04" W - 26.26	2° 46' 33"
L2	10.07		N 38° 40' 08" E	
C3	143.10	550.00	N 21° 44' 02" W - 142.69	14° 54' 26"
L3	23.32		N 29° 11' 15" W	
C4	105.07	102.00	N 0° 19' 21" E - 100.49	59° 01' 12"
L4	25.63		N 29° 49' 57" E	
C5	78.68	112.00	N 9° 42' 27" E - 77.07	40° 15' 00"
L5	30.90		N 10° 25' 03" W	
L6	14.34		N 37° 17' 05" W	
L7	27.59		N 9° 30' 23" W	
C6	38.51	518.00	N 7° 22' 36" W - 38.50	4° 15' 35"

'C4' ALIGNMENT GRADE DATA			
STATION	OFFSET	GRADE	DESCRIPTION
'C4' 1+24.94	0.00'	6330.65	BEGIN CURB (A2-6 MOD)
'C4' 1+50.00	0.00'	6330.55	
'C4' 1+75.00	0.00'	6330.41	
'C4' 2+00.00	0.00'	6330.16	
'C4' 2+25.00	0.00'	6329.81	
'C4' 2+50.00	0.00'	6329.36	
'C4' 2+75.00	0.00'	6328.85	
'C4' 2+78.09	0.00'	6328.79	EC
'C4' 3+00.00	0.00'	6328.34	
'C4' 3+25.00	0.00'	6327.81	
'C4' 3+50.00	0.00'	6327.22	
'C4' 3+57.55	0.00'	6327.03	BC
'C4' 3+75.00	0.00'	6326.56	
'C4' 3+83.81	0.00'	6336.31	EC/ANGLE POINT
'C4' 3+93.87	0.00'	6326.02	BC/ANGLE POINT
'C4' 4+00.00	0.00'	6325.83	
'C4' 4+25.00	0.00'	6325.02	
'C4' 4+50.00	0.00'	6324.07	
'C4' 4+75.00	0.00'	6323.16	
'C4' 5+00.00	0.00'	6322.68	
'C4' 5+25.00	0.00'	6321.75	
'C4' 5+36.97	0.00'	6321.28	EC

'C4' ALIGNMENT GRADE DATA (CONT')			
STATION	OFFSET	GRADE	DESCRIPTION
'C4' 5+50.00	0.00'	6320.85	
'C4' 5+60.29	0.00'	6320.57	BC
'C4' 5+75.00	0.00'	6320.24	
'C4' 6+00.00	0.00'	6319.74	
'C4' 6+25.00	0.00'	6319.24	
'C4' 6+50.00	0.00'	6318.73	
'C4' 6+65.36	0.00'	6318.42	EC
'C4' 6+75.00	0.00'	6318.23	
'C4' 6+90.98	0.00'	6317.91	BC
'C4' 7+00.00	0.00'	6317.73	
'C4' 7+25.00	0.00'	6317.26	
'C4' 7+50.00	0.00'	6316.80	
'C4' 7+69.66	0.00'	6316.19	EC
'C4' 7+75.00	0.00'	6316.02	
'C4' 8+00.00	0.00'	6315.23	
'C4' 8+00.56	0.00'	6315.21	ANGLE POINT
'C4' 8+14.90	0.00'	6314.81	ANGLE POINT
'C4' 8+25.00	0.00'	6314.67	
'C4' 8+42.49	0.00'	6314.44	BC
'C4' 8+50.00	0.00'	6314.34	
'C4' 8+70.93	0.00'	6314.07	END CURB (A2-6 MOD)

- GENERAL NOTES:**
1. STATION, OFFSET, AND GRADE DATA ALONG CURB ARE TO LIP OF GUTTER
 2. SEE SHEET 'P-3' FOR ASSOCIATED 'C4' PROFILE

CONSTRUCTION DETAILS
SCALE : AS SHOWN

ORIGINAL SCALE IS IN INCHES
Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\C-Sheets.dwg Layout Tab: C-2 Sep 16, 2024 - 2:11pm ksugiyama

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
DECEMBER 29, 2023
DATE:

DESIGNED: DP
DRAWN: KIS
CHECKED: DP
DATE: 10/05/23
ROAD NUMBER: 000

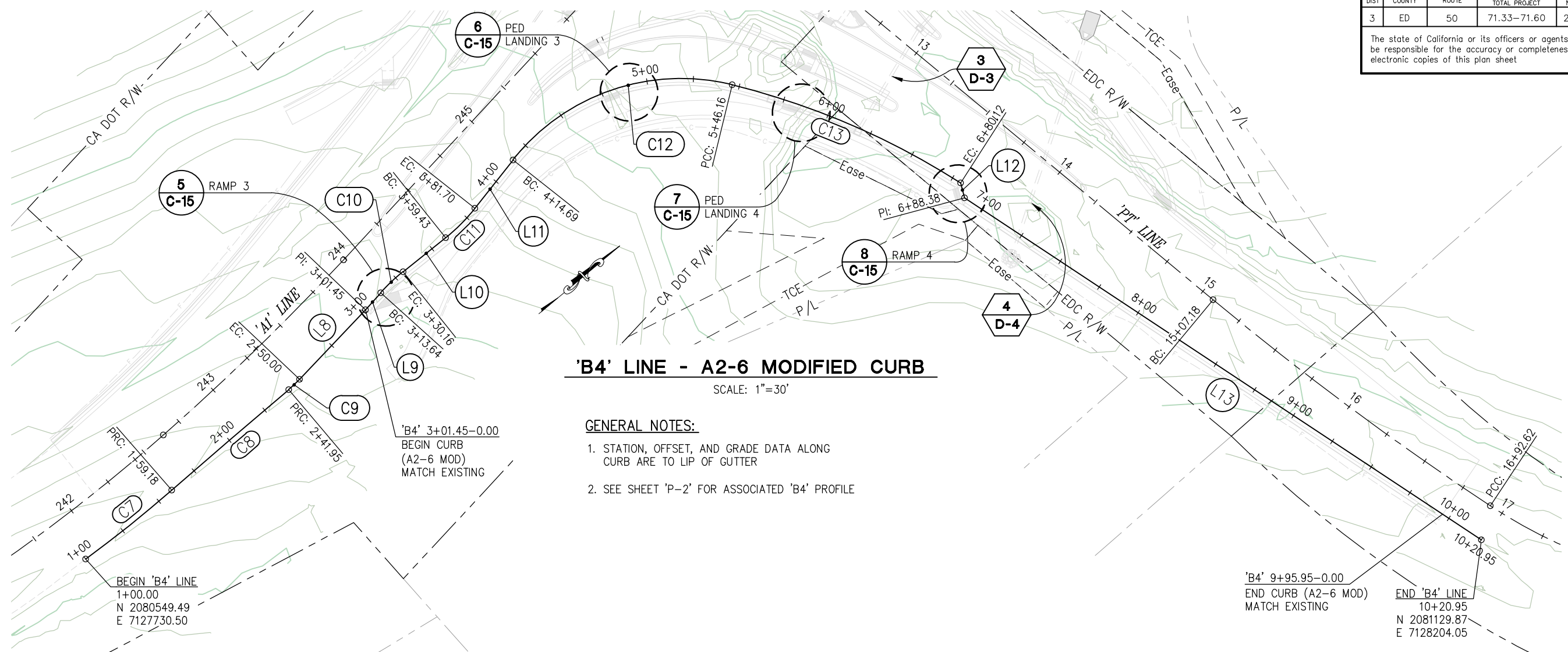


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT

CU XX EFIS 0317000163 EA 03-2H610
SHEET
C-2
21 OF 94
W.O. No.
7614

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'B4' LINE - A2-6 MODIFIED CURB
SCALE: 1"=30'

GENERAL NOTES:

1. STATION, OFFSET, AND GRADE DATA ALONG CURB ARE TO LIP OF GUTTER
2. SEE SHEET 'P-2' FOR ASSOCIATED 'B4' PROFILE

'B4' ALIGNMENT DATA				
NUMBER	LENGTH	RADIUS	LINE / CHORD DIRECTION & LENGTH	DELTA
C7	59.18	703.81	N 1° 18' 15" E - 59.16	4° 49' 04"
C8	82.77	5223.35	N 0° 39' 03" W - 82.77	0° 54' 28"
C9	8.05	72.17	N 3° 23' 31" W - 8.05	6° 23' 25"
L8	51.45		N 6° 35' 14" W	
L9	12.19		N 7° 56' 47" W	
C10	16.52	102.00	N 3° 18' 29" W - 16.50	9° 16' 37"
L10	29.28		N 1° 19' 50" E	
C11	22.27	98.00	N 5° 10' 46" W - 22.22	13° 01' 12"
L11	32.99		N 11° 41' 22" W	
C12	131.46	115.00	N 21° 03' 35" E - 124.42	65° 29' 52"
C13	133.97	406.00	N 63° 15' 42" E - 133.36	18° 54' 21"
L12	8.25		S 65° 03' 54" E	
L13	332.57		N 73° 30' 08" E	

'B4' ALIGNMENT GRADE DATA			
STATION	OFFSET	GRADE	DESCRIPTION
'B4' 3+01.45	0.00'	6329.24	BEGIN CURB (A2-6 MOD)
'B4' 3+13.64	0.00'	6328.89	BC
'B4' 3+25.00	0.00'	6328.58	
'B4' 3+30.16	0.00'	6328.43	EC
'B4' 3+50.00	0.00'	6327.87	
'B4' 3+59.43	0.00'	6327.61	BC
'B4' 3+75.00	0.00'	6327.17	
'B4' 3+81.70	0.00'	6326.98	EC
'B4' 4+00.00	0.00'	6326.47	
'B4' 4+14.69	0.00'	6325.98	BC
'B4' 4+25.00	0.00'	6325.55	
'B4' 4+50.00	0.00'	6324.20	
'B4' 4+75.00	0.00'	6323.10	
'B4' 5+00.00	0.00'	6322.50	
'B4' 5+25.00	0.00'	6321.33	
'B4' 5+46.16	0.00'	6320.54	PCC
'B4' 5+50.00	0.00'	6320.44	
'B4' 5+75.00	0.00'	6319.98	
'B4' 6+00.00	0.00'	6319.69	

'B4' ALIGNMENT GRADE DATA (CONT')			
STATION	OFFSET	GRADE	DESCRIPTION
'B4' 6+25.00	0.00'	6319.63	
'B4' 6+50.00	0.00'	6319.84	
'B4' 6+75.00	0.00'	6320.32	
'B4' 6+80.12	0.00'	6320.43	ANGLE POINT
'B4' 6+88.38	0.00'	6320.61	ANGLE POINT
'B4' 7+00.00	0.00'	6320.86	
'B4' 7+25.00	0.00'	6321.40	
'B4' 7+50.00	0.00'	6321.94	
'B4' 7+75.00	0.00'	6322.48	
'B4' 8+00.00	0.00'	6323.02	
'B4' 8+25.00	0.00'	6323.56	
'B4' 8+50.00	0.00'	6324.09	
'B4' 8+75.00	0.00'	6324.63	
'B4' 9+00.00	0.00'	6325.17	
'B4' 9+25.00	0.00'	6325.71	
'B4' 9+50.00	0.00'	6326.25	
'B4' 9+75.00	0.00'	6326.79	
'B4' 9+95.95	0.00'	6327.24	END CURB (A2-6 MOD)

CONSTRUCTION DETAILS
SCALE : AS SHOWN

CU XX EFIS 0317000163 EA 03-2H610

ORIGINAL SCALE IS IN INCHES
Drawing name: Z:\Civil_3D\Projects\36104026\Pioneer_Roundabout\CADD_Files\Sheets\C-Sheets.dwg Layout Tab: C-3 Sep 16, 2024 - 2:15pm ksudiyama

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
DATE: **DECEMBER 29, 2023**

DESIGNED: DP
DRAWN: KIS
CHECKED: DP
DATE: 10/05/23
ROAD NUMBER: 000



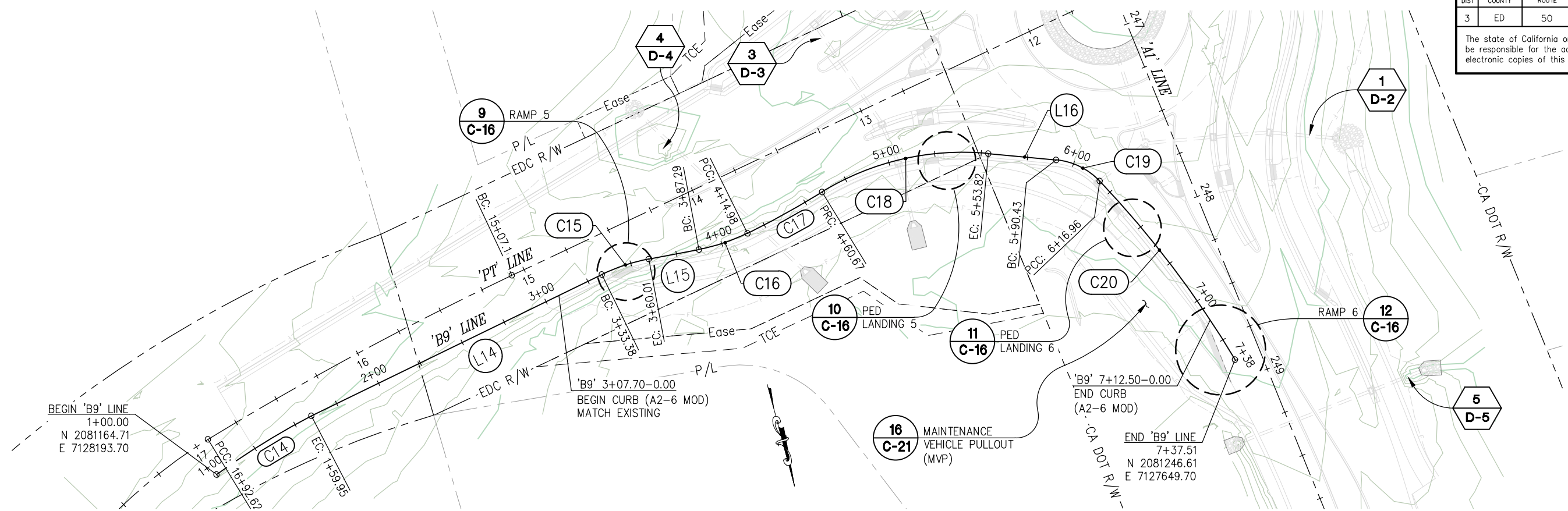
COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT

SHEET
C-3
22 OF 94
W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	23	94

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'B9' LINE - A2-6 MODIFIED CURB

SCALE: 1"=30'

'B9' ALIGNMENT DATA

NUMBER	LENGTH	RADIUS	LINE / CHORD DIRECTION & LENGTH	DELTA
C14	59.95	393.93	S 73° 13' 10" W - 59.90	8° 43' 12"
L14	173.43		S 79° 03' 24" W	
C15	26.63	100.00	S 86° 44' 38" W - 26.56	15° 15' 36"
L15	27.27		N 85° 37' 34" W	
C16	27.70	100.00	S 86° 26' 22" W - 27.61	15° 52' 07"
C17	45.69	529.00	S 76° 01' 50" W - 45.68	4° 56' 56"
C18	93.15	145.00	N 88° 02' 24" W - 91.56	36° 48' 27"
L16	36.60		N 69° 38' 11" W	
C19	26.53	37.00	N 49° 05' 29" W - 25.97	41° 05' 22"
C20	121.04	540.00	N 22° 07' 31" W - 120.79	12° 50' 34"

'B9' ALIGNMENT GRADE DATA

STATION	OFFSET	GRADE	DESCRIPTION
'B9' 3+07.70	0.00'	6322.66	BEGIN CURB (A2-6 MOD)
'B9' 3+25.00	0.00'	6322.35	
'B9' 3+33.38	0.00'	6322.20	BC
'B9' 3+50.00	0.00'	6321.89	
'B9' 3+60.01	0.00'	6321.71	EC
'B9' 3+75.00	0.00'	6321.44	
'B9' 3+87.29	0.00'	6321.22	BC
'B9' 4+00.00	0.00'	6320.99	
'B9' 4+14.98	0.00'	6320.71	PCC
'B9' 4+25.00	0.00'	6320.53	
'B9' 4+50.00	0.00'	6320.08	
'B9' 4+60.67	0.00'	6319.89	PRC
'B9' 4+75.00	0.00'	6319.66	
'B9' 5+00.00	0.00'	6319.34	
'B9' 5+25.00	0.00'	6319.13	
'B9' 5+50.00	0.00'	6318.98	
'B9' 5+53.82	0.00'	6318.96	EC
'B9' 5+75.00	0.00'	6318.78	
'B9' 5+90.43	0.00'	6318.51	BC
'B9' 6+00.00	0.00'	6318.29	

'B9' ALIGNMENT GRADE DATA (CONT')

STATION	OFFSET	GRADE	DESCRIPTION
'B9' 6+16.96	0.00'	6317.86	PCC
'B9' 6+25.00	0.00'	6317.70	
'B9' 6+50.00	0.00'	6317.28	
'B9' 6+75.00	0.00'	6316.68	
'B9' 7+00.00	0.00'	6316.08	
'B9' 7+12.50	0.00'	6315.77	END CURB (A2-6 MOD)

GENERAL NOTES:

1. STATION, OFFSET, AND GRADE DATA ALONG CURB ARE TO LIP OF GUTTER
2. SEE SHEET 'P-2' FOR ASSOCIATED 'B9' PROFILE

CONSTRUCTION DETAILS SCALE : AS SHOWN

CU XX	EFIS 0317000163	EA 03-2H610
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FOR REDUCED PLANS

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

 REGISTERED CIVIL ENGINEER
 DATE: **DECEMBER 29, 2023**

DESIGNED: DP
 DRAWN: KIS
 CHECKED: DP
 DATE: 10/05/23
 ROAD NUMBER: 000



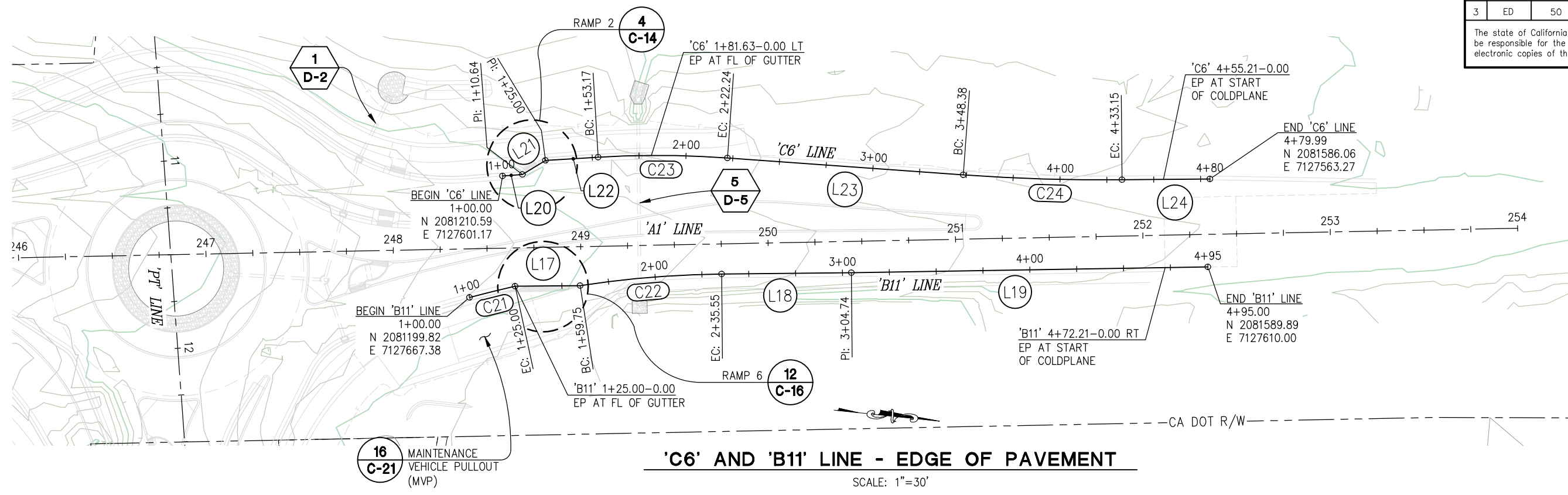
COUNTY OF EL DORADO DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50 INTERSECTION SAFETY IMPROVEMENT PROJECT

SHEET **C-4**
 23 OF 94
 W.O. No. **7614**

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	24	94

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'C6' AND 'B11' LINE - EDGE OF PAVEMENT
SCALE: 1"=30'

'C6' ALIGNMENT DATA

NUMBER	LENGTH	RADIUS	LINE / CHORD DIRECTION & LENGTH	DELTA
L20	10.64		N 10° 25' 03" W	
L21	14.36		N 37° 17' 05" W	
L22	28.17		N 9° 30' 23" W	
C23	69.07	520.00	N 5° 42' 05" W - 69.02	7° 36' 37"
L23	126.14		N 1° 53' 46" W	
C24	84.76	1042.00	N 4° 13' 35" W - 84.74	4° 39' 39"
L24	46.85		N 6° 33' 25" W	

'C6' ALIGNMENT GRADE DATA

STATION	OFFSET	GRADE	DESCRIPTION
'C6' 1+81.63	0.00'	6314.65	EP AT FL OF GUTTER
'C6' 2+00.00	0.00'	6313.80	
'C6' 2+22.24	0.00'	6313.42	EC
'C6' 2+25.00	0.00'	6313.38	
'C6' 2+50.00	0.00'	6313.03	
'C6' 2+75.00	0.00'	6312.68	
'C6' 3+00.00	0.00'	6312.33	
'C6' 3+25.00	0.00'	6311.99	
'C6' 3+48.39	0.00'	6311.66	BC
'C6' 3+50.00	0.00'	6311.64	
'C6' 3+75.00	0.00'	6311.39	
'C6' 4+00.00	0.00'	6311.14	
'C6' 4+25.00	0.00'	6310.89	
'C6' 4+33.16	0.00'	6310.81	EC
'C6' 4+50.00	0.00'	6310.64	
'C6' 4+55.22	0.00'	6310.59	EP AT START OF COLDPLANE

'B11' ALIGNMENT GRADE DATA

STATION	OFFSET	GRADE	DESCRIPTION
'B11' 1+25.00	0.00'	6315.60	EP AT FL OF GUTTER
'B11' 1+50.00	0.00'	6315.10	
'B11' 1+59.75	0.00'	6314.90	EC
'B11' 1+75.00	0.00'	6314.61	
'B11' 2+00.00	0.00'	6314.12	
'B11' 2+25.00	0.00'	6313.64	
'B11' 2+35.55	0.00'	6313.44	EC
'B11' 2+50.00	0.00'	6313.22	
'B11' 2+75.00	0.00'	6312.83	
'B11' 3+00.00	0.00'	6312.45	
'B11' 3+04.74	0.00'	6312.37	PI
'B11' 3+25.00	0.00'	6312.14	
'B11' 3+50.00	0.00'	6311.84	
'B11' 3+75.00	0.00'	6311.57	
'B11' 4+00.00	0.00'	6311.41	
'B11' 4+25.00	0.00'	6311.24	
'B11' 4+50.00	0.00'	6311.07	
'B11' 4+72.21	0.00'	6310.92	EP AT START OF COLDPLANE

'B11' ALIGNMENT DATA

NUMBER	LENGTH	RADIUS	LINE / CHORD DIRECTION & LENGTH	DELTA
C21	25.00	538.00	N 19° 44' 26" W - 25.00	2° 39' 45"
L17	34.75		N 6° 38' 22" W	
C22	75.80	532.00	N 10° 39' 40" W - 75.73	8° 09' 47"
L18	69.19		N 6° 34' 46" W	
L19	190.26		N 6° 56' 11" W	

GENERAL NOTES:

1. SEE SHEET 'P-3' FOR ASSOCIATED 'C6' AND 'B11' PROFILES

CONSTRUCTION DETAILS SCALE : AS SHOWN

CJ XX	EFIS 0317000163	EA 03-2H610
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Layout Tab: C-5 Sep 16, 2024 - 2:19pm ksudiyama

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
DECEMBER 29, 2023
DATE:

DESIGNED: DP
DRAWN: KIS
CHECKED: DP
DATE: 10/05/23
ROAD NUMBER: 000



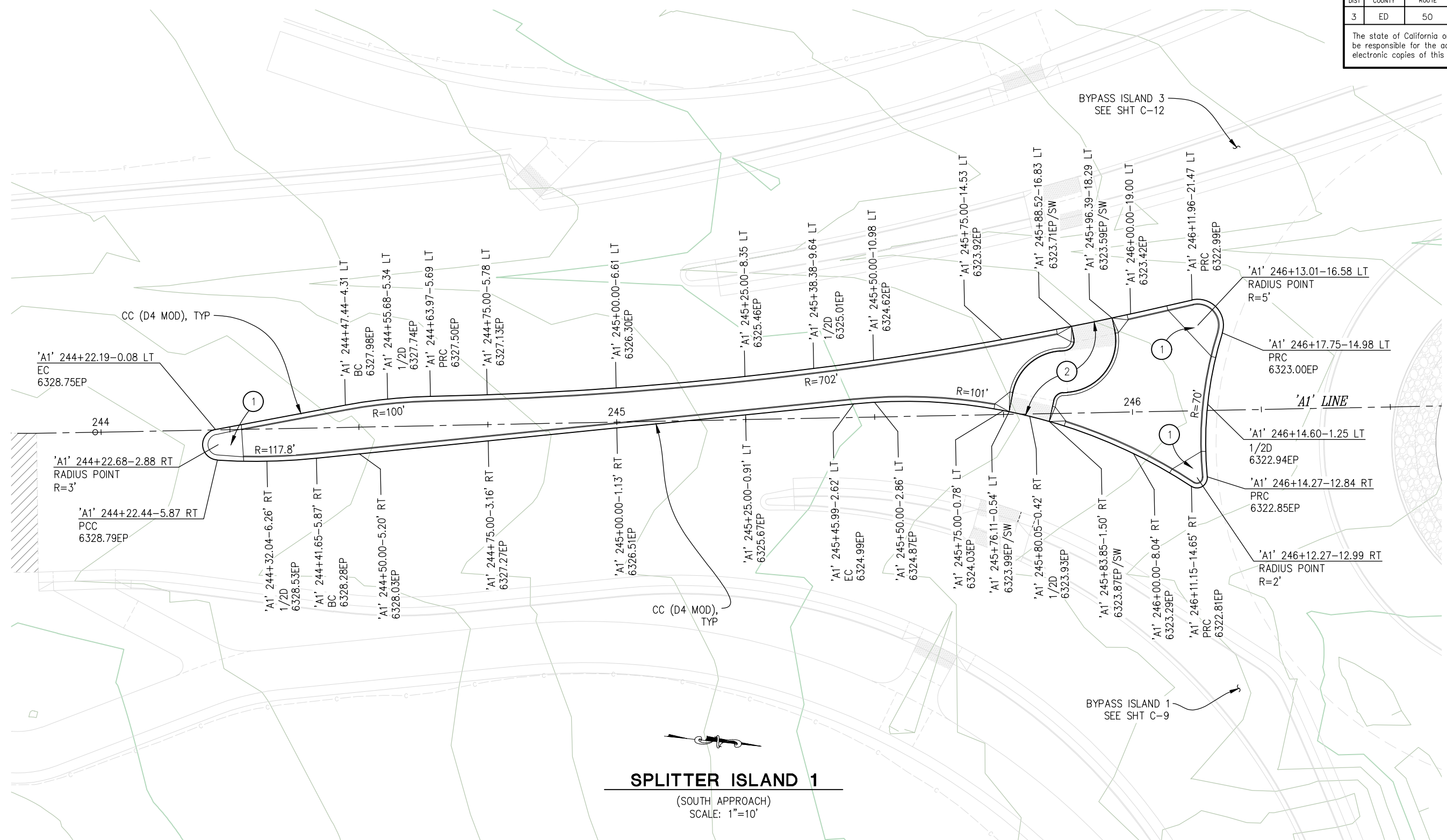
COUNTY OF EL DORADO DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50 INTERSECTION SAFETY IMPROVEMENT PROJECT

SHEET
C-5
24 OF 94
W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	25	94

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- CONSTRUCTION NOTES:**
- ① — ISLAND NOSE DETAIL, SEE SHT C-19
 - ② — PEDESTRIAN LANDING, SEE **13 C-17**

- GENERAL NOTES:**
1. UNLESS OTHERWISE NOTED: STATION, OFFSET, AND GRADE ARE TO FACE OF CURB AT EP

ORIGINAL SCALE IS IN INCHES
Drawing name: C:\Users\ksugiyama\Desktop\C-Sheets.dwg Layout Tab: C-6 Dec 29, 2023 2:30pm ksugiyama

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**CONSTRUCTION DETAILS
SCALE : AS SHOWN**

CU XX EFIS 0317000163 EA 03-2H610

REVISION	NUMBER	DATE	DESCRIPTION	BY



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DATE: **DECEMBER 29, 2023**

DESIGNED: DP
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CHECKED: DP
DATE: 10/05/23
ROAD NUMBER: 000



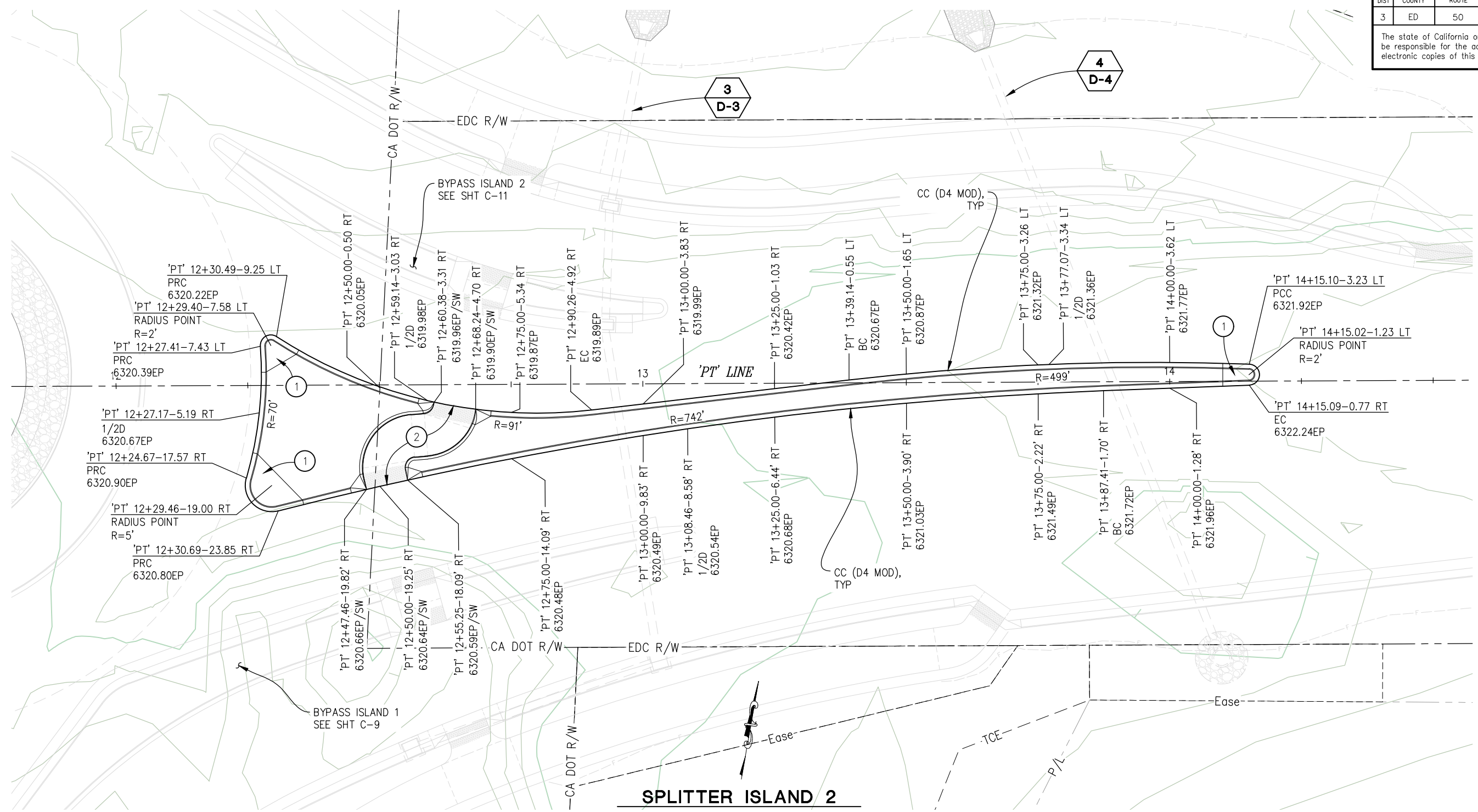
**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

**PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT**

SHEET
C-6
25 OF 94
W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	26	94

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CONSTRUCTION NOTES:

- ① — ISLAND NOSE DETAIL, SEE SHT C-19
- ② — PEDESTRIAN LANDING, SEE **14 C-17**

GENERAL NOTES:

- 1. UNLESS OTHERWISE NOTED: STATION, OFFSET, AND GRADE ARE TO FACE OF CURB AT EP

SPLITTER ISLAND 2
(EAST APPROACH)
SCALE: 1"=10'

ORIGINAL SCALE IS IN INCHES
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REVISION	NUMBER	DATE	DESCRIPTION	BY



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[Signature]
REGISTERED CIVIL ENGINEER
DATE: **DECEMBER 29, 2023**

DESIGNED: DP
DRAWN: KIS
CHECKED: DP
DATE: 10/05/23
ROAD NUMBER: 000



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT

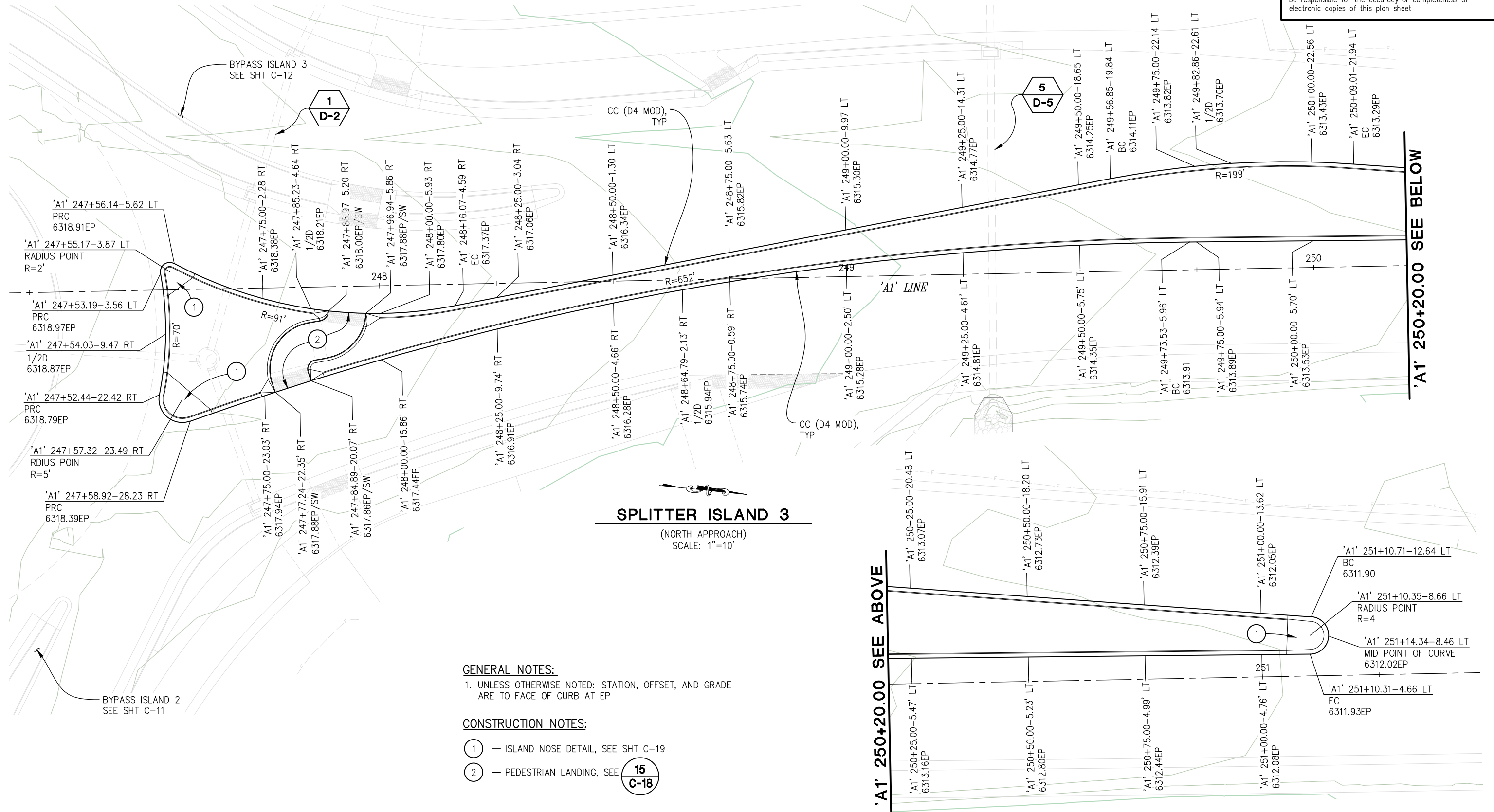
SHEET
C-7
26 OF 94
W.O. No.
7614

CU XX EFIS 0317000163 EA 03-2H610

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	27	94

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- GENERAL NOTES:**
- UNLESS OTHERWISE NOTED: STATION, OFFSET, AND GRADE ARE TO FACE OF CURB AT EP
- CONSTRUCTION NOTES:**
- ① — ISLAND NOSE DETAIL, SEE SHT C-19
 - ② — PEDESTRIAN LANDING, SEE 15
C-18

'A1' 250+20.00 SEE ABOVE

'A1' 250+20.00 SEE BELOW

**CONSTRUCTION DETAILS
SCALE : AS SHOWN**

CU XX	EFIS 0317000163	EA 03-2H610
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REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
DECEMBER 29, 2023
DATE:

DESIGNED: DP
DRAWN: KIS
CHECKED: DP
DATE: 10/05/23
ROAD NUMBER: 000



**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

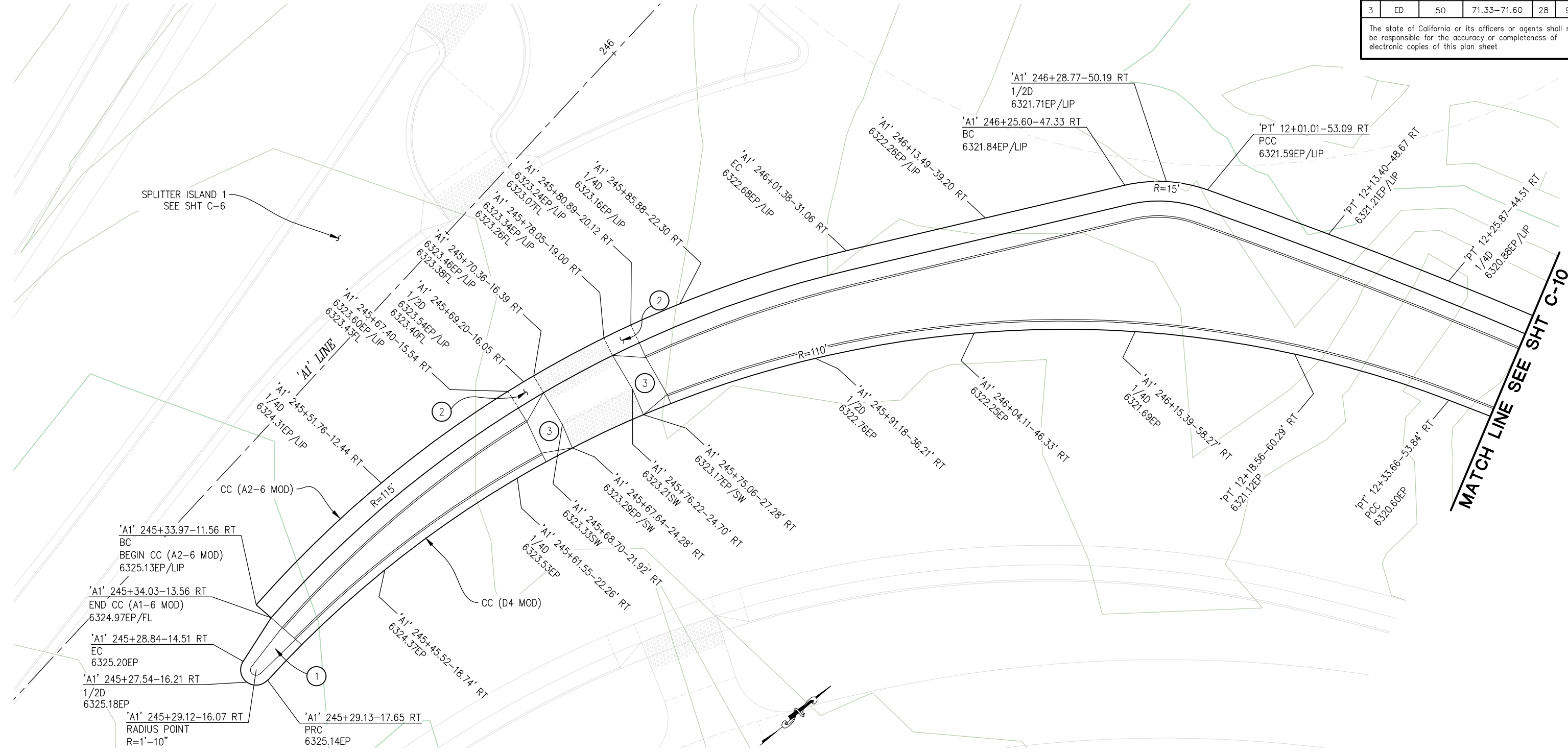
**PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT**

SHEET
C-8
27 OF 94
W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	28	94

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BYPASS ISLAND 1

SCALE: 1"=5'

CONSTRUCTION NOTES:

- ① — ISLAND NOSE DETAIL, SEE SHT C-19
- ② — 3' GUTTER PAN CROSS SLOPE TRANSITION, 4.1% AT EDGE OF RAMP TO STANDARD TYPE 2 GUTTER PAN SLOPE AT TRANSITION END. (LOWER LIP OF GUTTER TO ACHIEVE DESIRED CROSS SLOPE)
- ③ — CURB TRANSITION AT PEDESTRIAN LANDING, SEE DETAIL SHT C-20

GENERAL NOTES:

- 1. UNLESS OTHERWISE NOTED: STATION, OFFSET, AND GRADE ARE TO FACE OF CURB AT EP FOR D4 CURB, AND TO LIP OF GUTTER FOR A2-6 CURB

**CONSTRUCTION DETAILS
SCALE : AS SHOWN**

CU XX	EFIS 0317000163	EA 03-2H610
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REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
DATE: **DECEMBER 29, 2023**

DESIGNED: DP
DRAWN: KIS
CHECKED: DP
DATE: 10/05/23
ROAD NUMBER: 000



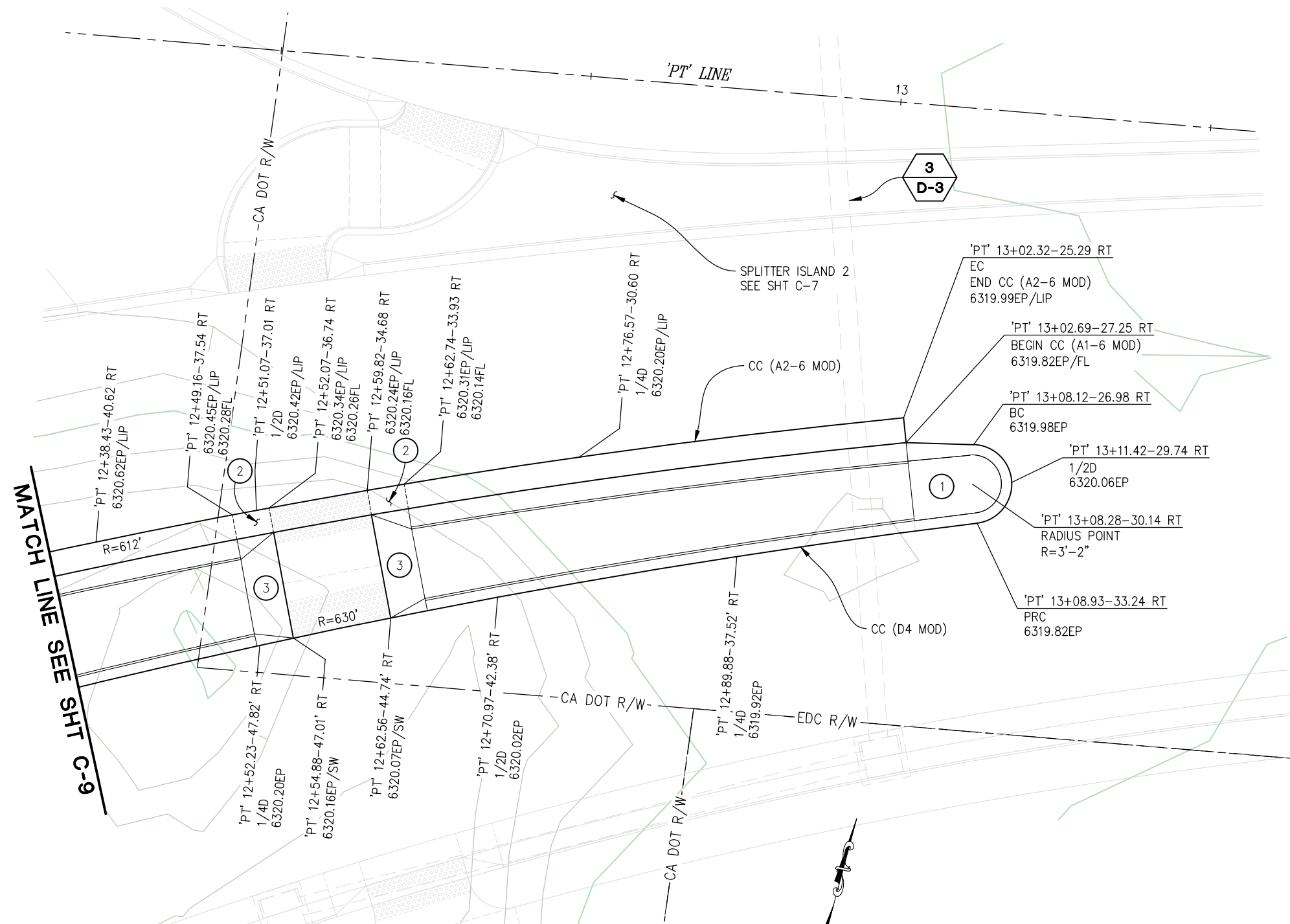
**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

**PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT**

SHEET
C-9
28 OF 94
W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	29	94

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BYPASS ISLAND 1
SCALE: 1"=5'

GENERAL NOTES:

- UNLESS OTHERWISE NOTED: STATION, OFFSET, AND GRADE ARE TO FACE OF CURB AT EP FOR D4 CURB, AND TO LIP OF GUTTER FOR A2-6 CURB

CONSTRUCTION NOTES:

- ISLAND NOSE DETAIL, SEE SHT C-19
- 3' GUTTER PAN CROSS SLOPE TRANSITION, 4.1% AT EDGE OF RAMP TO STANDARD TYPE 2 GUTTER PAN SLOPE AT TRANSITION END. (LOWER LIP OF GUTTER TO ACHIEVE DESIRED CROSS SLOPE)
- CURB TRANSITION AT PEDESTRIAN LANDING, SEE DETAIL SHT C-20

CONSTRUCTION DETAILS
SCALE : AS SHOWN

CJ XX	EFIS 0317000163	EA 03-2H610
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ORIGINAL SCALE IS IN INCHES
Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\C-Sheets.dwg Layout Tab: C-10 Sep 16, 2024 -- 2:34pm ksujiyama

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DATE:

DESIGNED: DP
DRAWN: KIS
CHECKED: DP
DATE: 10/05/23
ROAD NUMBER: 000



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

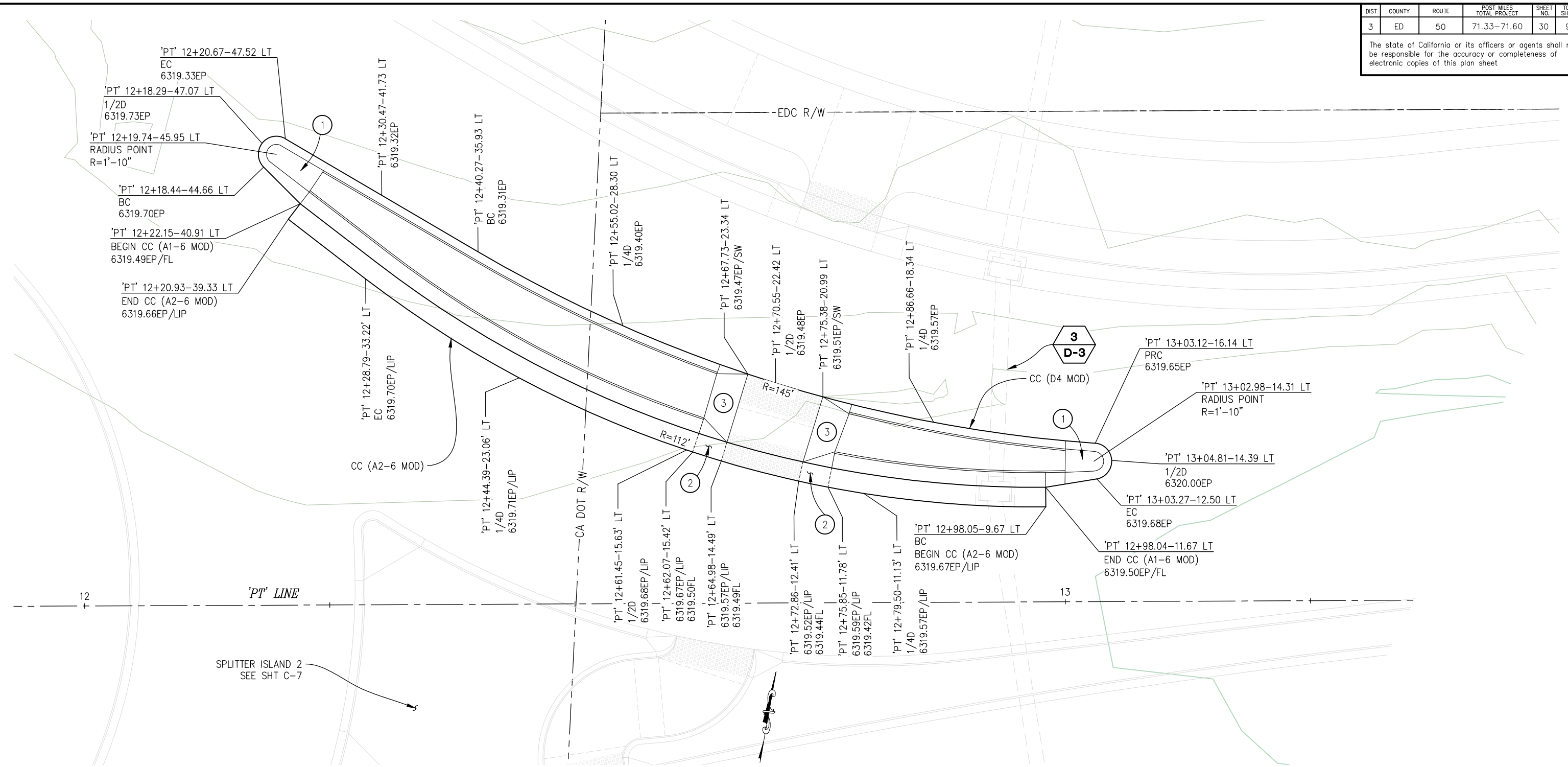
PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT

SHEET
C-10
29 OF 94
W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	30	94

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ORIGINAL SCALE IS IN INCHES
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BYPASS ISLAND 2

SCALE: 1"=5'

CONSTRUCTION NOTES:

- ① — ISLAND NOSE DETAIL, SEE SHT C-19
- ② — 3' GUTTER PAN CROSS SLOPE TRANSITION, 4.1% AT EDGE OF RAMP TO STANDARD TYPE 2 GUTTER PAN SLOPE AT TRANSITION END. (LOWER LIP OF GUTTER TO ACHIEVE DESIRED CROSS SLOPE)
- ③ — CURB TRANSITION AT PEDESTRIAN LANDING, SEE DETAIL SHT C-20

GENERAL NOTES:

1. UNLESS OTHERWISE NOTED: STATION, OFFSET, AND GRADE ARE TO FACE OF CURB AT EP FOR D4 CURB, AND TO LIP OF GUTTER FOR A2-6 CURB

CONSTRUCTION DETAILS SCALE : AS SHOWN

CU XX	EFIS 0317000163	EA 03-2H610
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REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
DATE: **DECEMBER 29, 2023**

DESIGNED: DP
DRAWN: KIS
CHECKED: DP
DATE: 10/05/23
ROAD NUMBER: 000



COUNTY OF EL DORADO DEPARTMENT OF TRANSPORTATION

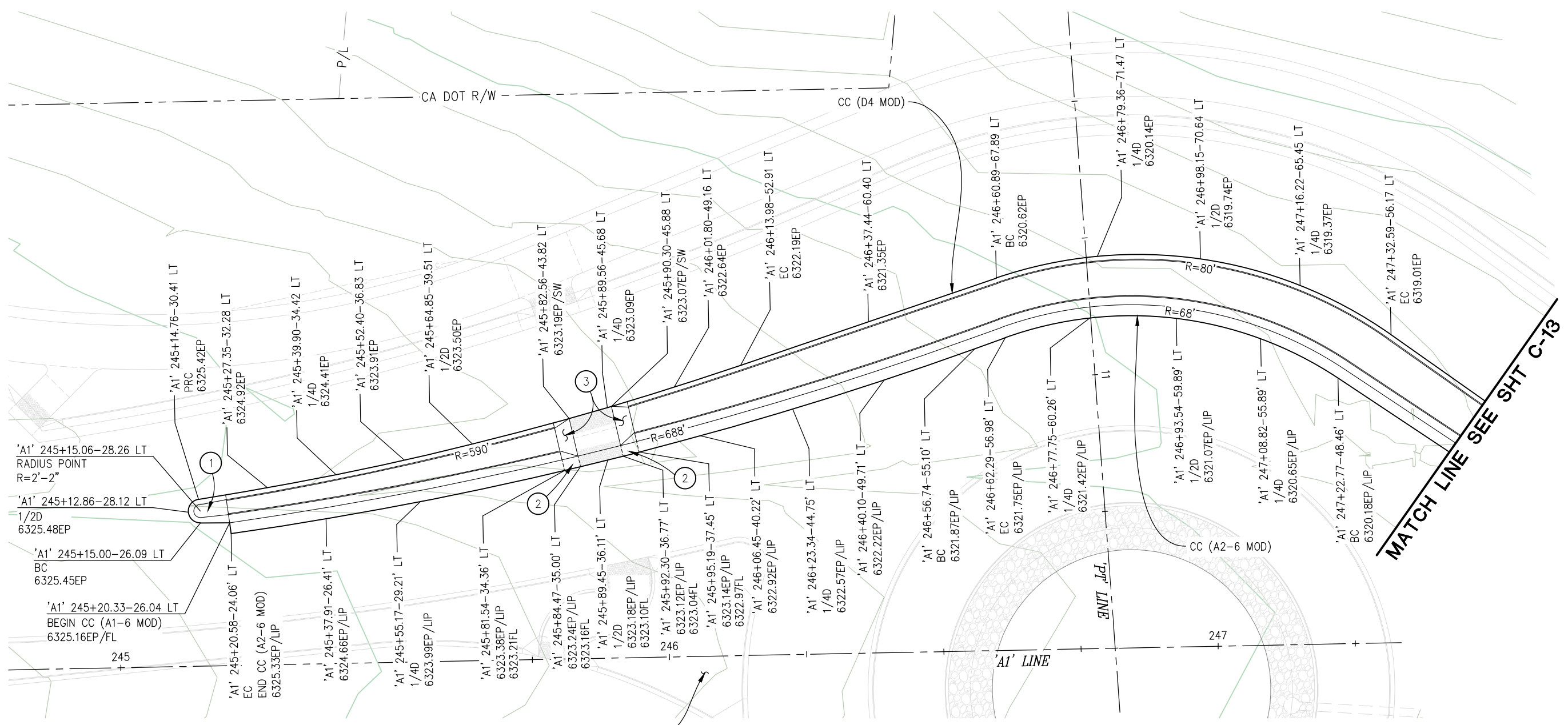
PIONEER TRAIL/US HIGHWAY 50 INTERSECTION SAFETY IMPROVEMENT PROJECT

SHEET
C-11
30 OF 94
W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	31	94

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ORIGINAL SCALE IS IN INCHES
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MATCH LINE SEE SHT C-13

CONSTRUCTION NOTES:

- ① — ISLAND NOSE DETAIL, SEE SHT C-19
- ② — 3' GUTTER PAN CROSS SLOPE TRANSITION, 4.1% AT EDGE OF RAMP TO STANDARD TYPE 2 GUTTER PAN SLOPE AT TRANSITION END. (LOWER LIP OF GUTTER TO ACHIEVE DESIRED CROSS SLOPE)
- ③ — CURB TRANSITION AT PEDESTRIAN LANDING, SEE DETAIL SHT C-20

BYPASS ISLAND 3

SCALE: 1"=10'

GENERAL NOTES:

1. UNLESS OTHERWISE NOTED, STATION, OFFSET, AND GRADE ARE TO FACE OF CURB AT EP FOR D4 CURB, AND TO LIP OF GUTTER FOR A2-6 CURB

FOR REDUCED PLANS

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

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DECEMBER 29, 2023

DESIGNED: DP
 DRAWN: KIS
 CHECKED: DP
 DATE: 10/05/23
 ROAD NUMBER: 000



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

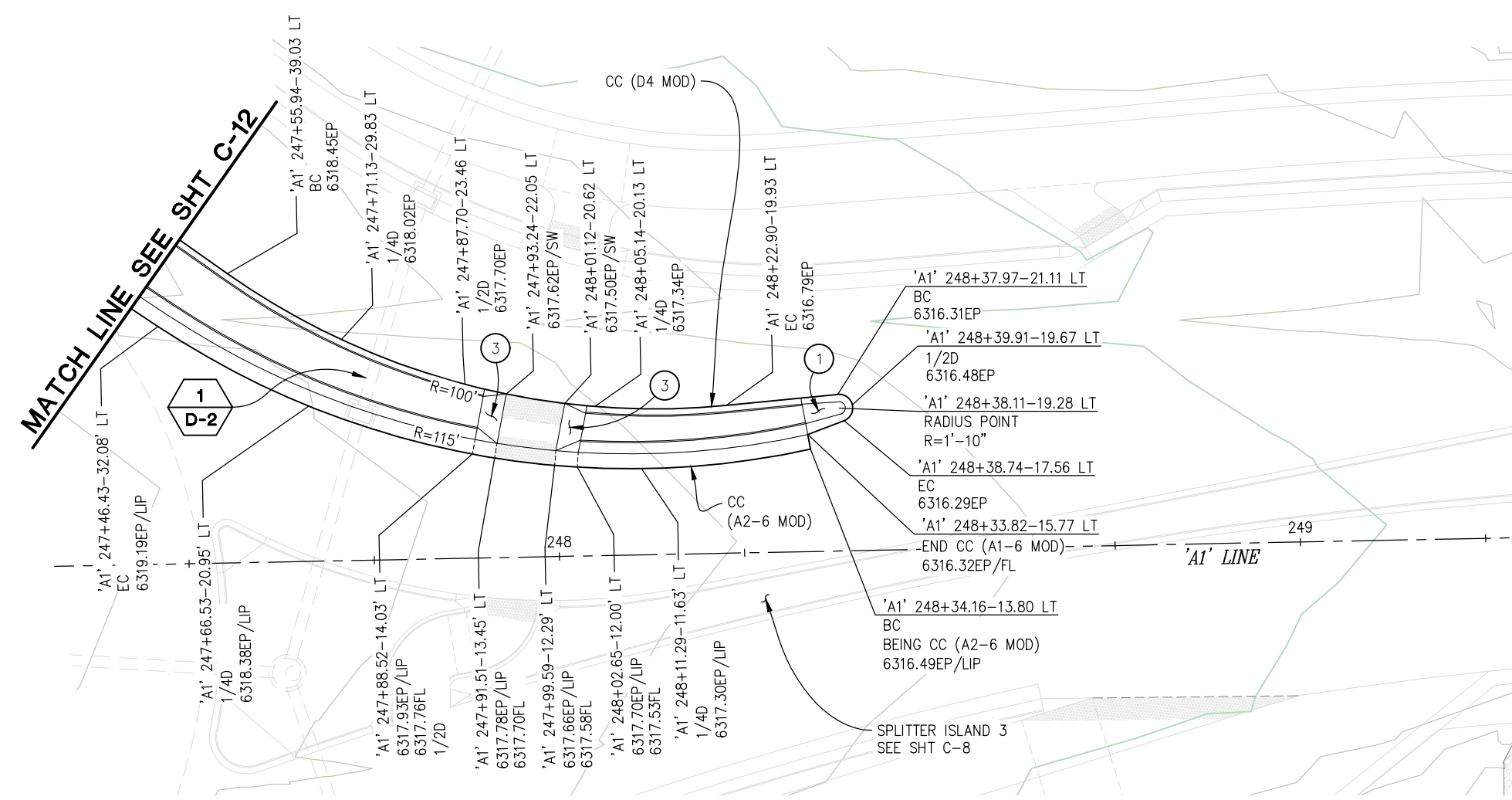
PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT

CU XX	EFIS 0317000163	EA 03-2H610
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SHEET
C-12
 31 OF 94
 W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	32	94

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BYPASS ISLAND 3
SCALE: 1"=10'

GENERAL NOTES:

1. UNLESS OTHERWISE NOTED: STATION, OFFSET, AND GRADE ARE TO FACE OF CURB AT EP FOR D4 CURB, AND TO LIP OF GUTTER FOR A2-6 CURB

CONSTRUCTION NOTES:

- ① — ISLAND NOSE DETAIL, SEE SHT C-19
- ② — 3' GUTTER PAN CROSS SLOPE TRANSITION, 4.1% AT EDGE OF RAMP TO STANDARD TYPE 2 GUTTER PAN SLOPE AT TRANSITION END. (LOWER LIP OF GUTTER TO ACHIEVE DESIRED CROSS SLOPE)
- ③ — CURB TRANSITION AT PEDESTRIAN LANDING, SEE DETAIL SHT C-20

CONSTRUCTION DETAILS
SCALE : AS SHOWN

CJ XX	EFIS 0317000163	EA 03-2H610
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Drawing name: C:\Users\ksugiama\Desktop\C-Sheets.dwg Layout Tab: C-13 Dec 29, 2023 - 2:38pm ksugiama

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DATE: **DECEMBER 29, 2023**

DESIGNED: DP
DRAWN: KIS
CHECKED: DP
DATE: 10/05/23
ROAD NUMBER: 000



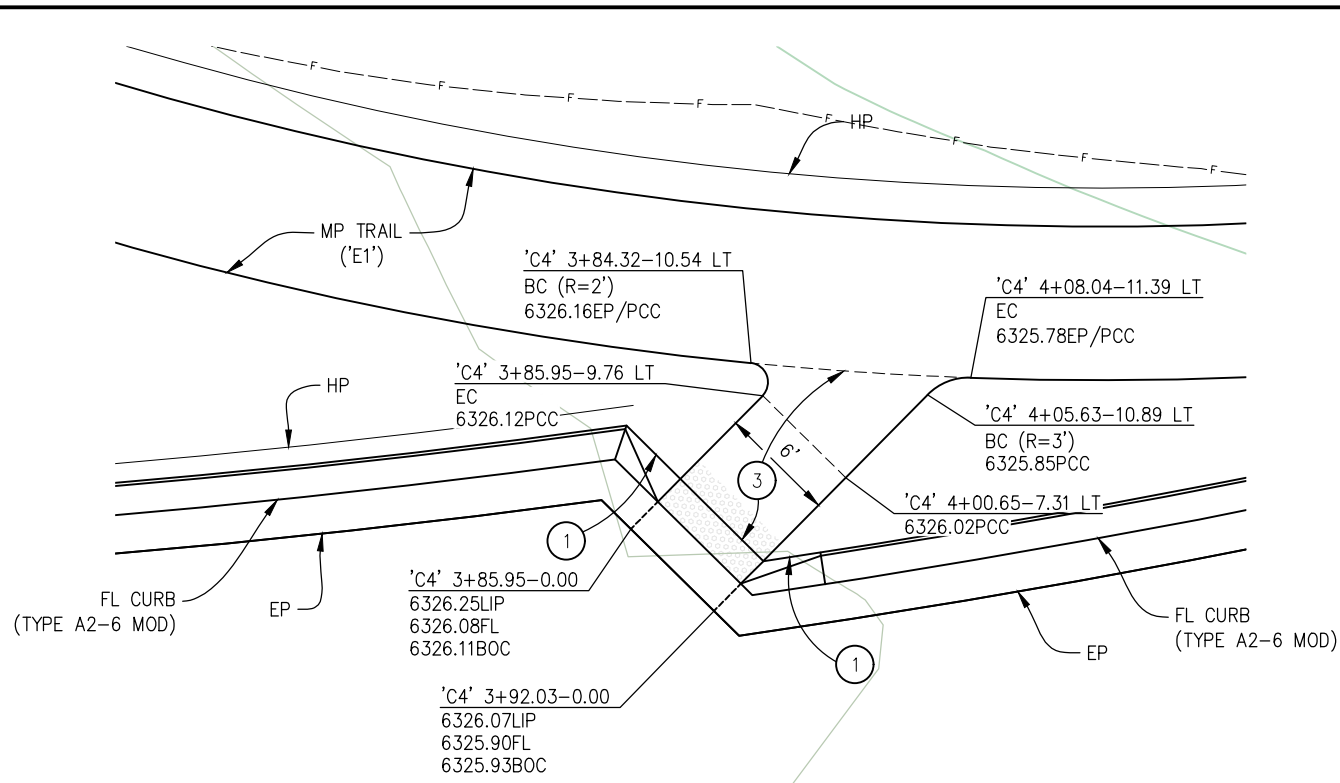
COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT

SHEET
C-13
32 OF 94
W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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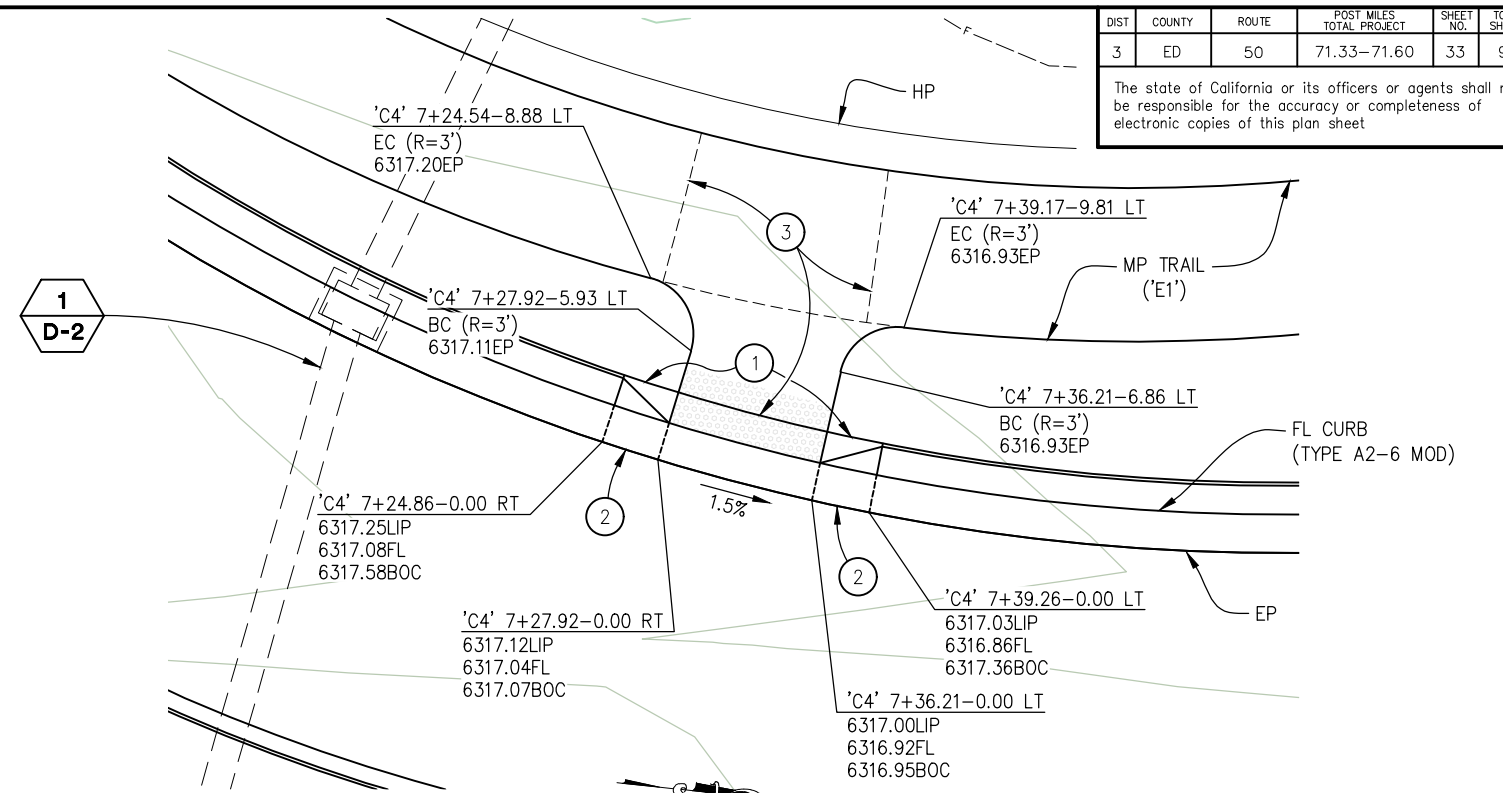
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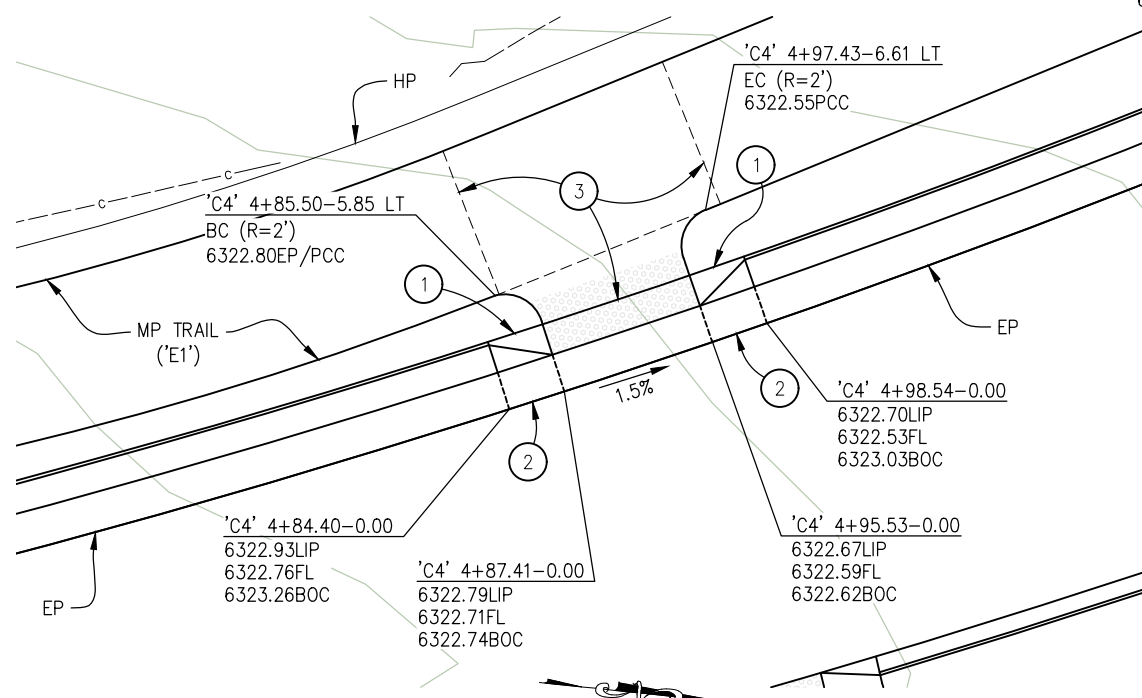
1 RAMP 1
SCALE: 1"=5'

CONSTRUCTION NOTES:

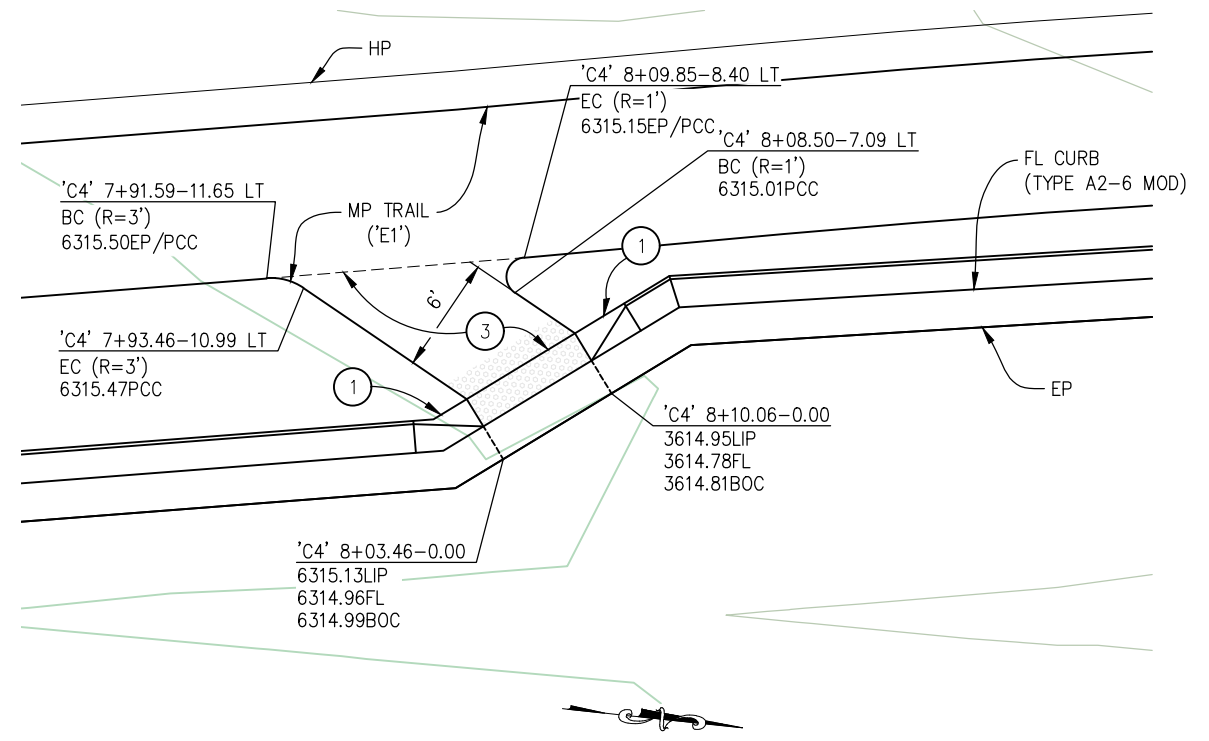
- ① — 3' TRANSITION FROM NOMINAL CURB HEIGHT TO 0" HEIGHT
- ② — 3' GUTTER PAN CROSS SLOPE TRANSITION, 4.1% AT EDGE OF RAMP TO STANDARD TYPE 2 GUTTER PAN SLOPE AT TRANSITION END. (LOWER LIP OF GUTTER TO ACHIEVE DESIRED CROSS SLOPE)
- ③ — 4" PCC OVER 6" AB (CLASS 2)



3 PED LANDING 2
SCALE: 1"=5'



2 PED LANDING 1
SCALE: 1"=5'



4 RAMP 2
SCALE: 1"=5'

CONSTRUCTION DETAILS
SCALE: AS SHOWN

CU XX	EFIS 0317000163	EA 03-2H610
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ORIGINAL SCALE IS IN INCHES
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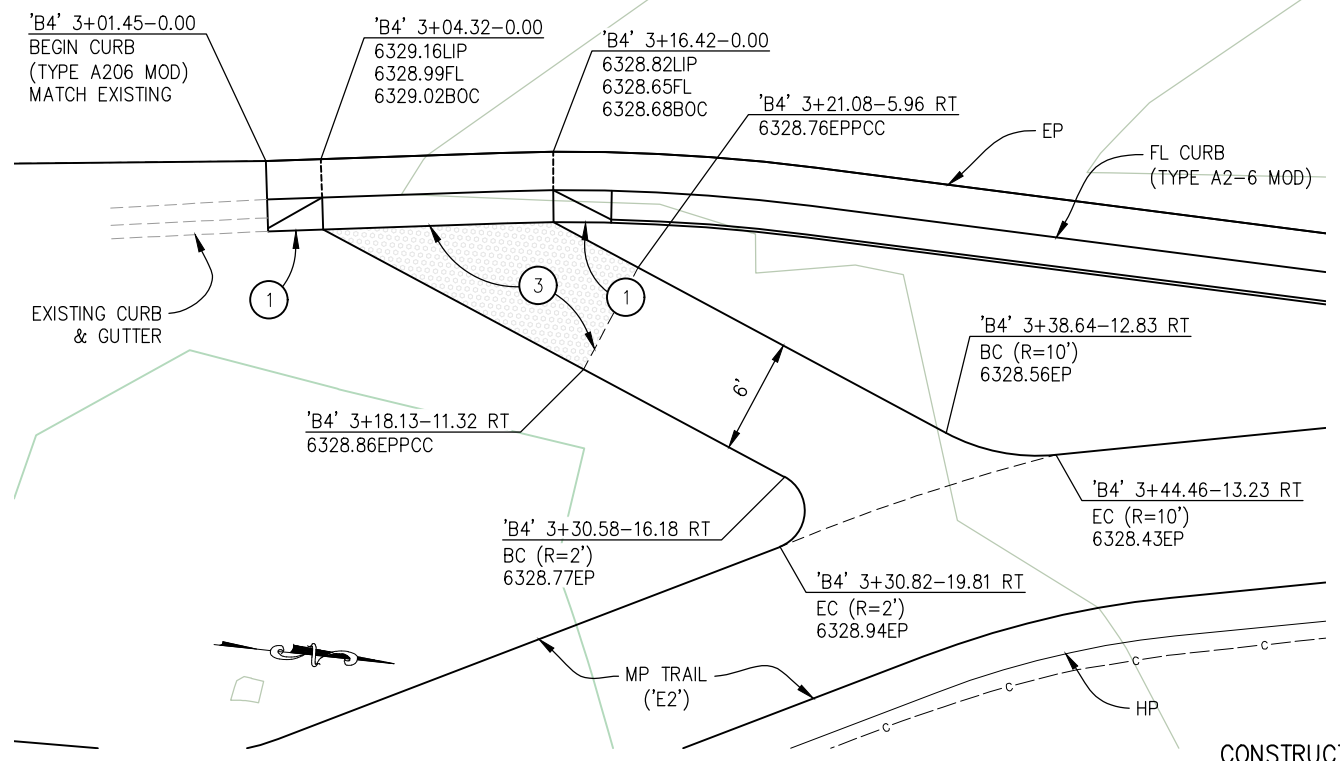
COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT

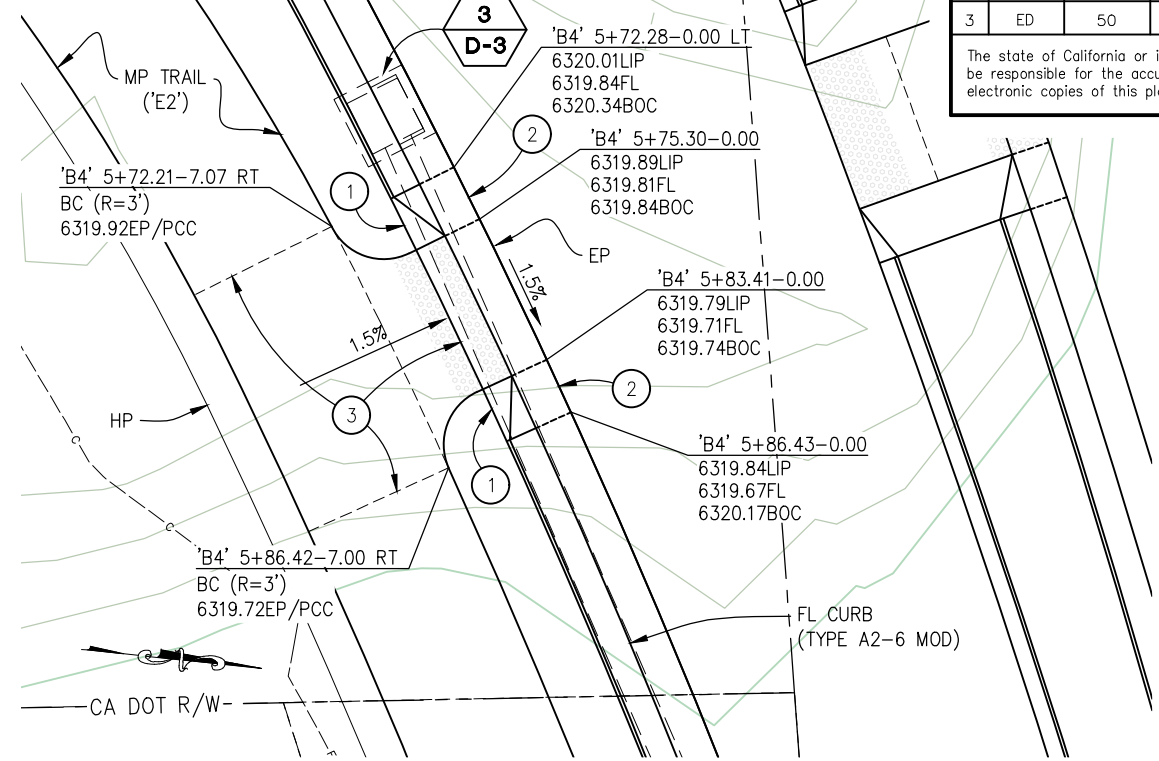
SHEET
C-14
33 OF 94
W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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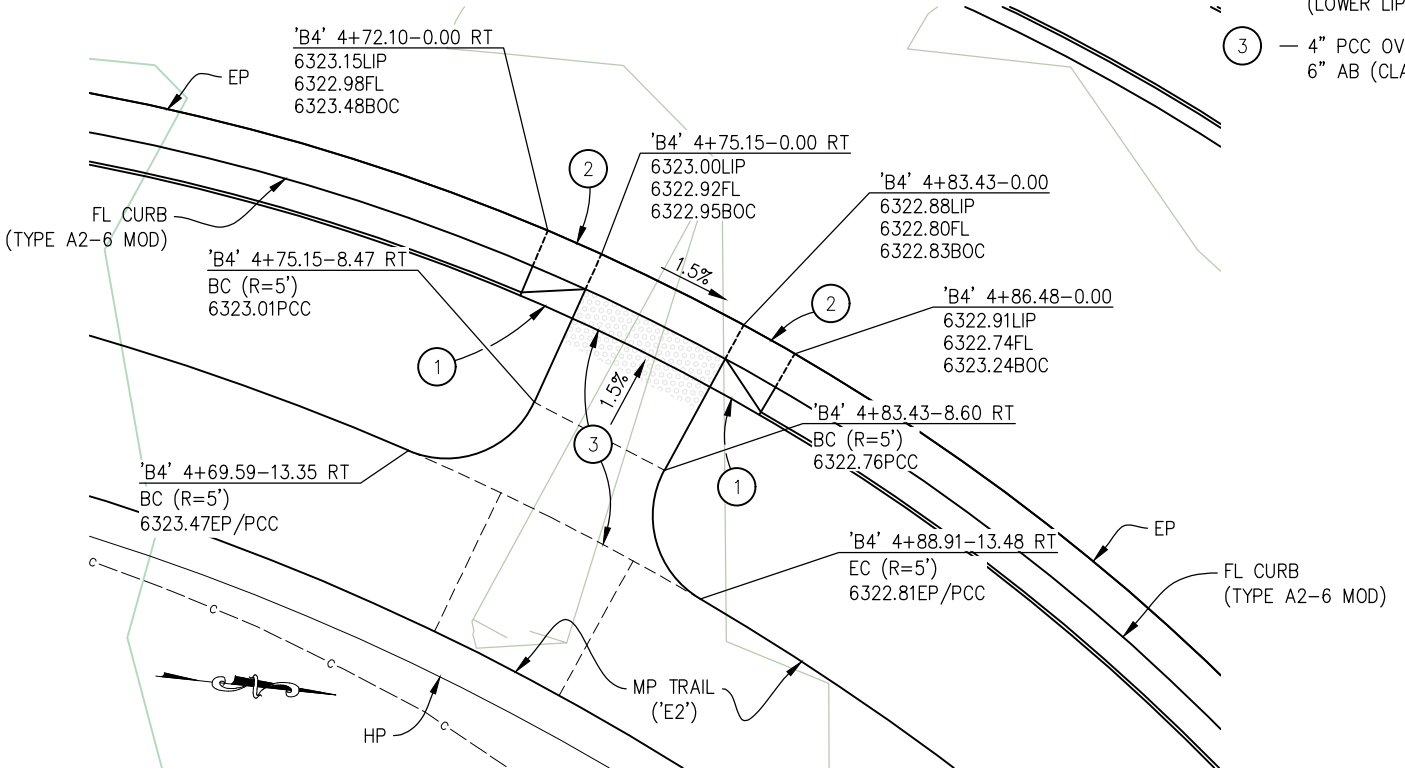
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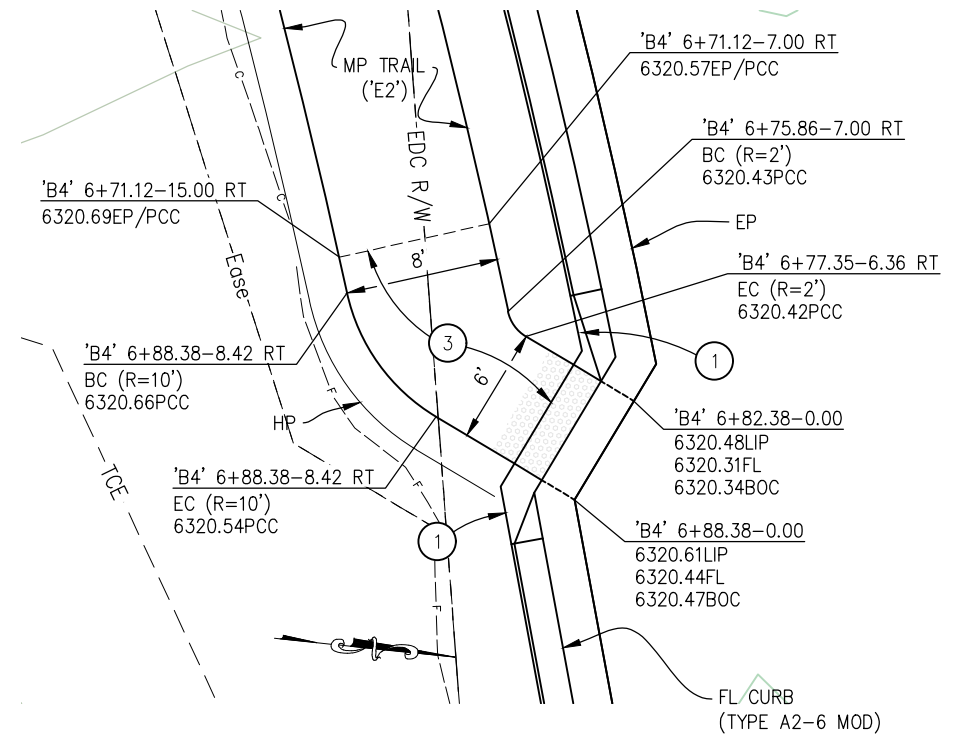
5 RAMP 3
SCALE: 1"=5'



7 PED LANDING 4
SCALE: 1"=5'



6 PED LANDING 3
SCALE: 1"=5'



8 RAMP 4
SCALE: 1"=5'

CONSTRUCTION NOTES:

- 1 — 3' TRANSITION FROM NOMINAL CURB HEIGHT TO 0" HEIGHT
- 2 — 3' GUTTER PAN CROSS SLOPE TRANSITION, 4.1% AT EDGE OF RAMP TO STANDARD TYPE 2 GUTTER PAN SLOPE AT TRANSITION END. (LOWER LIP OF GUTTER TO ACHIEVE DESIRED CROSS SLOPE)
- 3 — 4" PCC OVER 6" AB (CLASS 2)

CONSTRUCTION DETAILS SCALE : AS SHOWN

CU XX	EFIS 0317000163	EA 03-2H610
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ORIGINAL SCALE IS IN INCHES
FOR REDUCED PLANS
2
1
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REVISION	NUMBER	DATE	DESCRIPTION	BY



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DRAWN: KIS
CHECKED: DP
DATE: 10/05/23
ROAD NUMBER: 000



COUNTY OF EL DORADO DEPARTMENT OF TRANSPORTATION

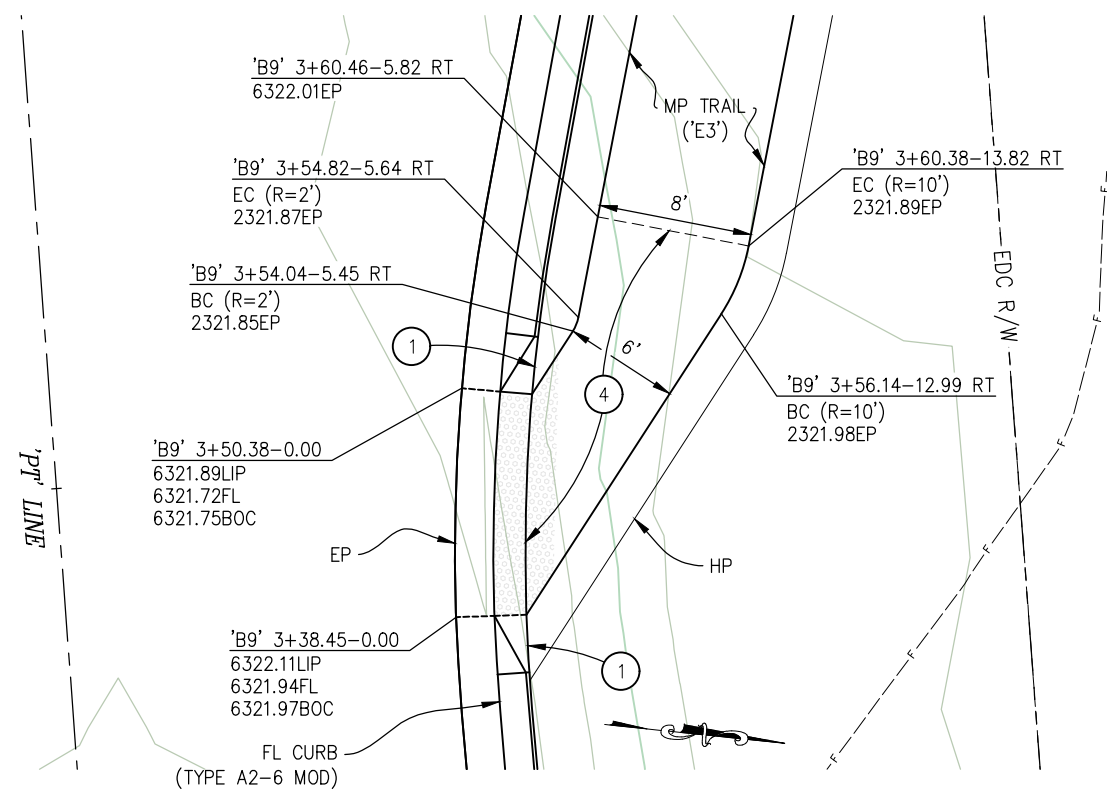
PIONEER TRAIL/US HIGHWAY 50 INTERSECTION SAFETY IMPROVEMENT PROJECT

SHEET
C-15
34 OF 94
W.O. No.
7614

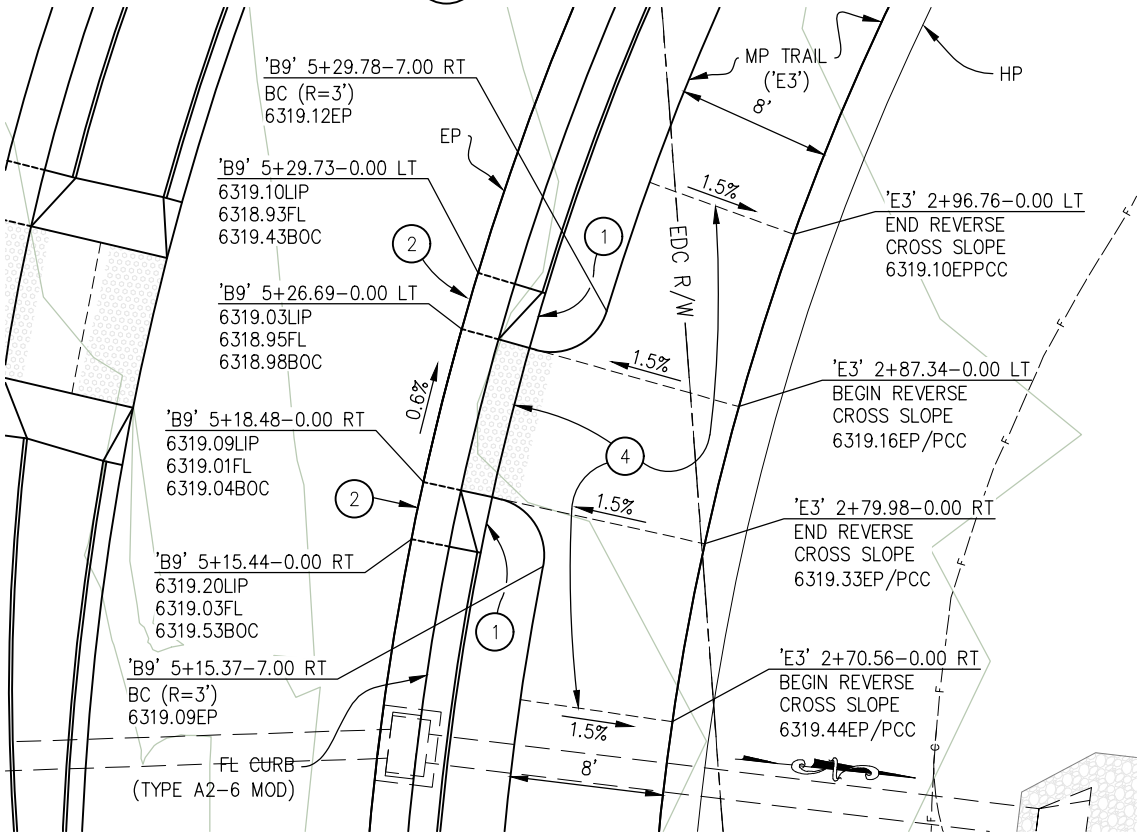
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	35	94

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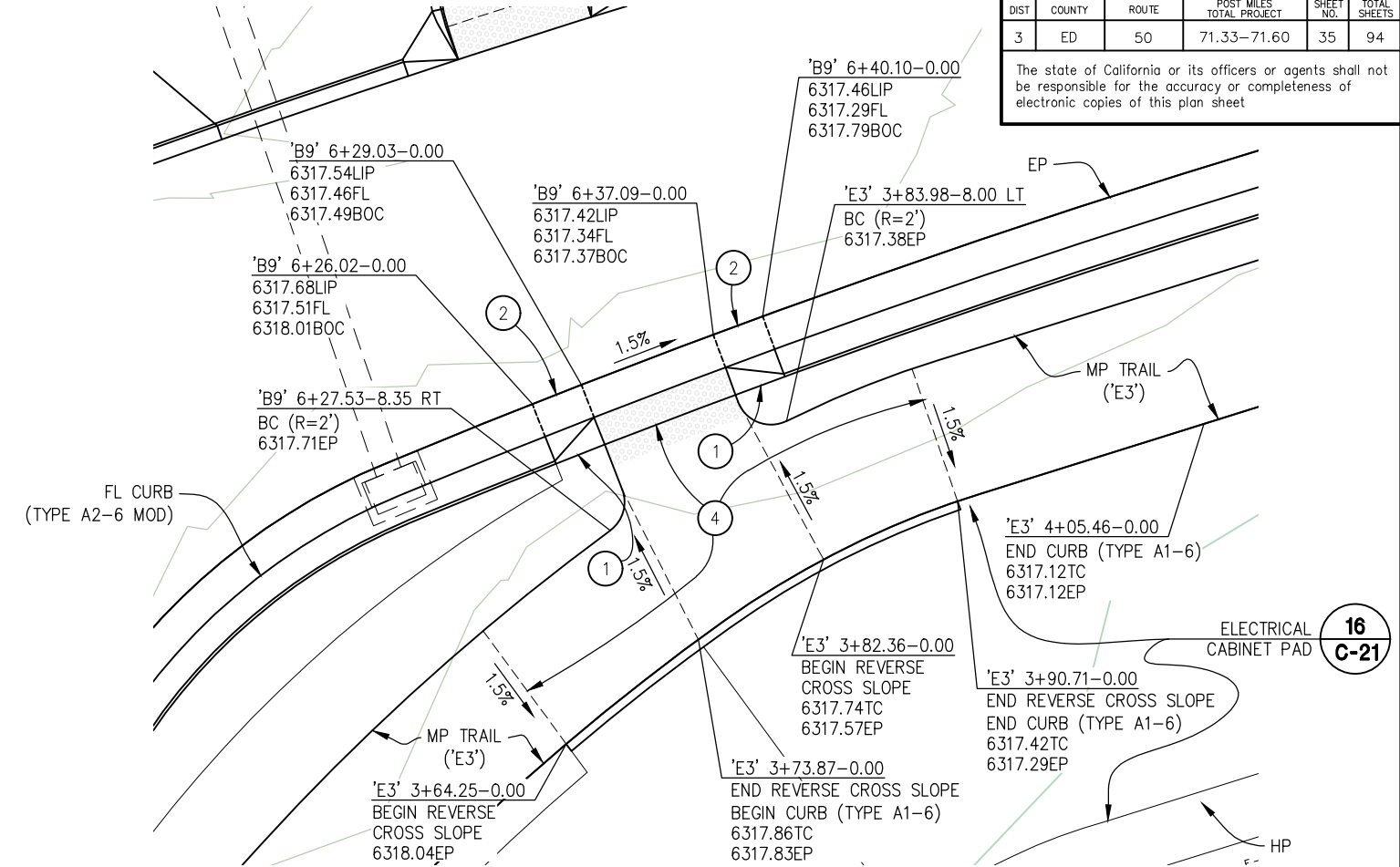
9 RAMP 5
SCALE: 1"=5'



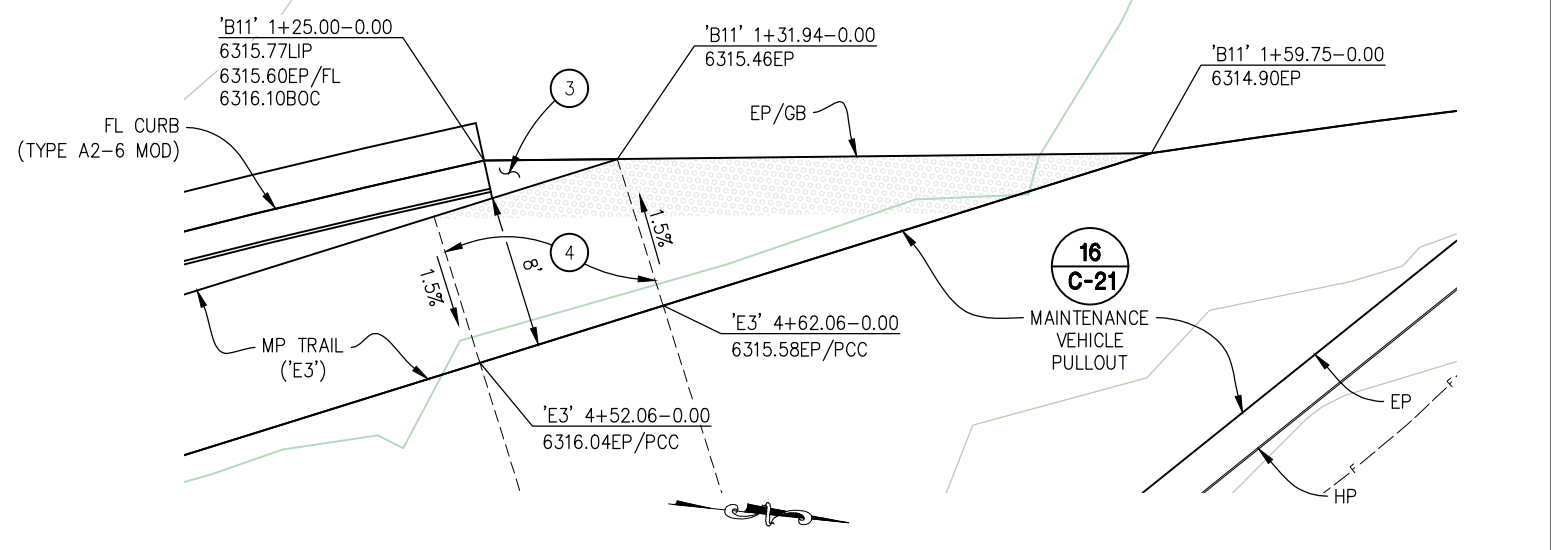
10 PED LANDING 5
SCALE: 1"=5'

CONSTRUCTION NOTES:

- ① - 3' TRANSITION FROM NOMINAL CURB HEIGHT TO 0" HEIGHT
- ② - 3' GUTTER PAN CROSS SLOPE TRANSITION, 4.1% AT EDGE OF RAMP TO STANDARD TYPE 2 GUTTER PAN SLOPE AT TRANSITION END. (LOWER LIP OF GUTTER TO ACHIEVE DESIRED CROSS SLOPE)
- ③ - WARP HMA FROM EP OF TRAIL AROUND BACK OF A2-6 CURB TO EP OF ROADWAY
- ④ - 4" PCC OVER 6" AB (CLASS 2)



11 PED LANDING 6
SCALE: 1"=5'



12 RAMP 6
SCALE: 1"=5'

CONSTRUCTION DETAILS SCALE: AS SHOWN

CU XX	EFIS 0317000163	EA 03-2H610
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REVISION	NUMBER	DATE	DESCRIPTION	BY



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DATE: 10/05/23
ROAD NUMBER: 000



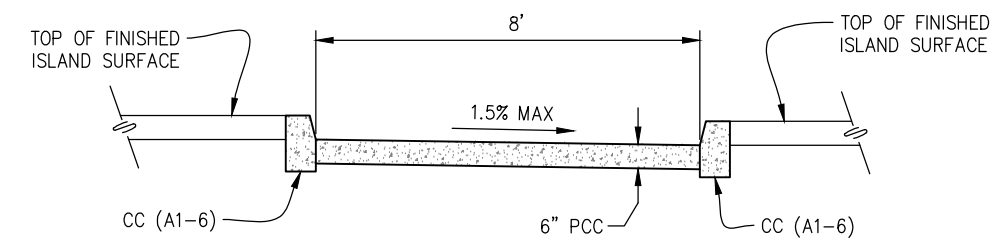
COUNTY OF EL DORADO DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50 INTERSECTION SAFETY IMPROVEMENT PROJECT

SHEET
C-16
35 OF 94
W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	36	94

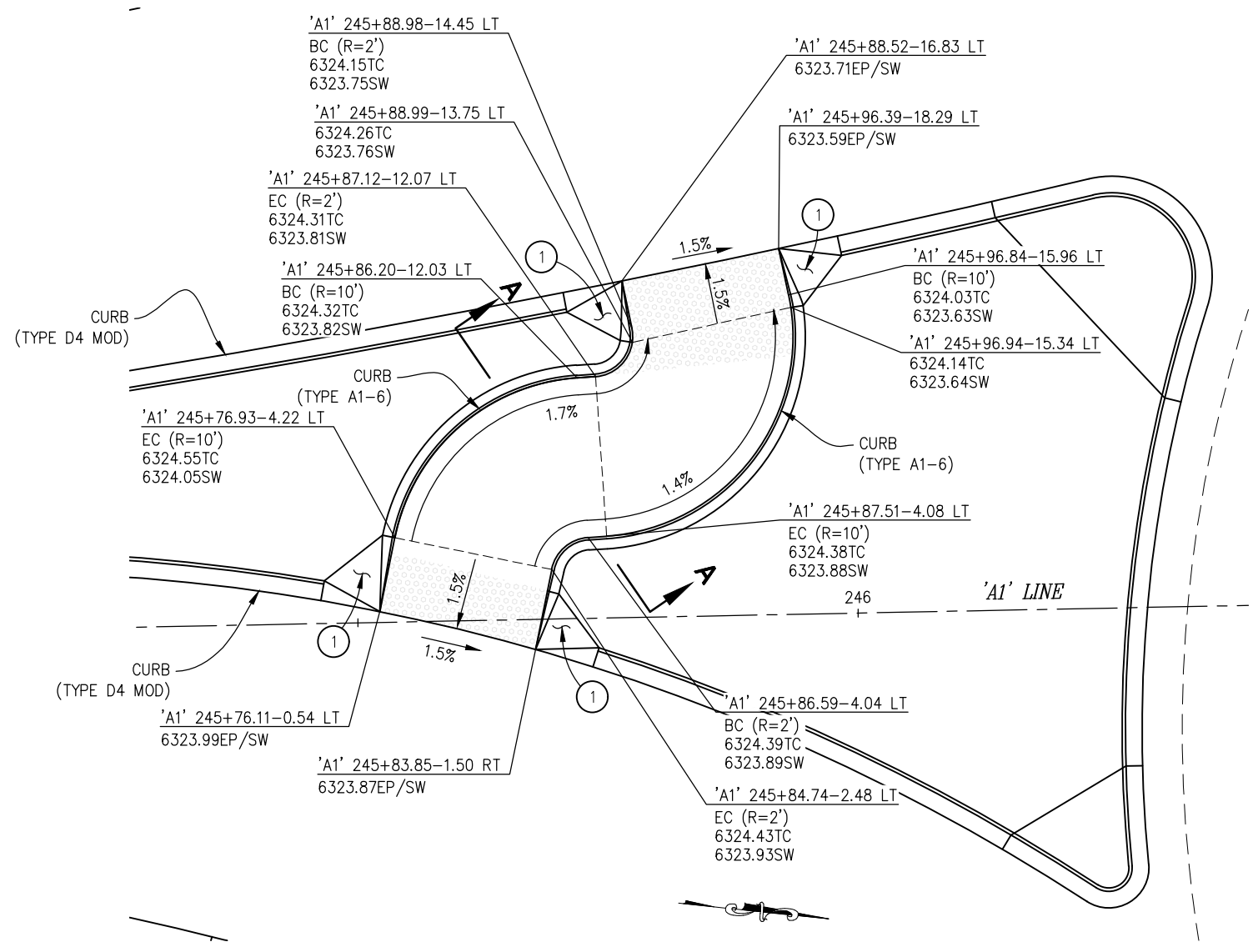
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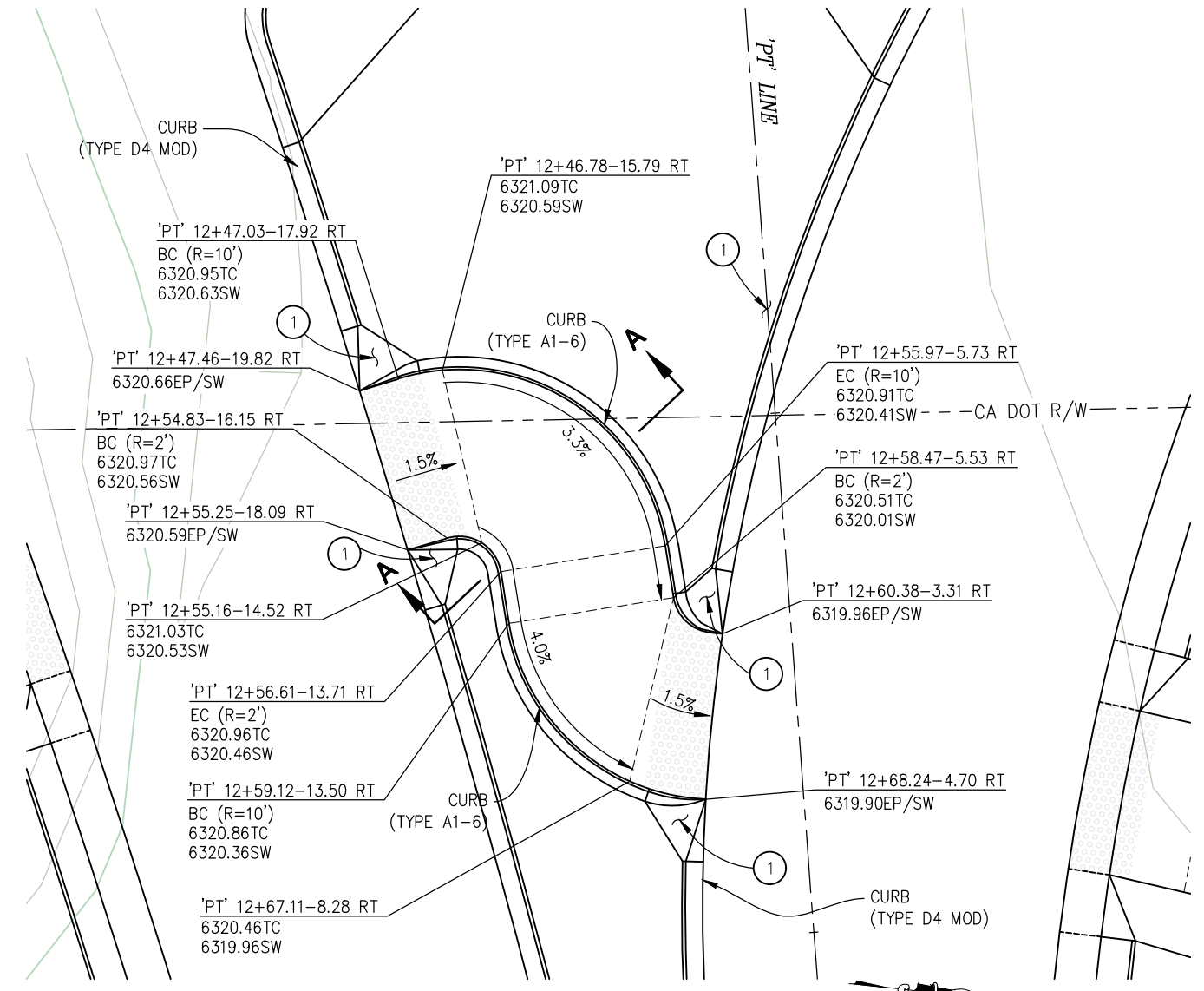
SECTION A-A
NTS

CONSTRUCTION NOTES:

- ① — 3' TRANSITION FROM NOMINAL CURB HEIGHT TO 0" HEIGHT (SEE CURB TRANSITION DETAILS, SHT C-20)



(SPLITTER ISLAND 1)
13 PED LANDING 7
SCALE: 1"=4'



(SPLITTER ISLAND 2)
14 PED LANDING 8
SCALE: 1"=5'

CONSTRUCTION DETAILS
SCALE: AS SHOWN

CU XX	EFIS 0317000163	EA 03-2H610
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ORIGINAL SCALE IS IN INCHES
Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\C-Sheets.dwg Layout Tab: C-17 Sep 16, 2024 -- 2:53pm ksujiyama

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DATE: **DECEMBER 29, 2023**

DESIGNED: DP
DRAWN: KIS
CHECKED: DP
DATE: 10/05/23
ROAD NUMBER: 000



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT

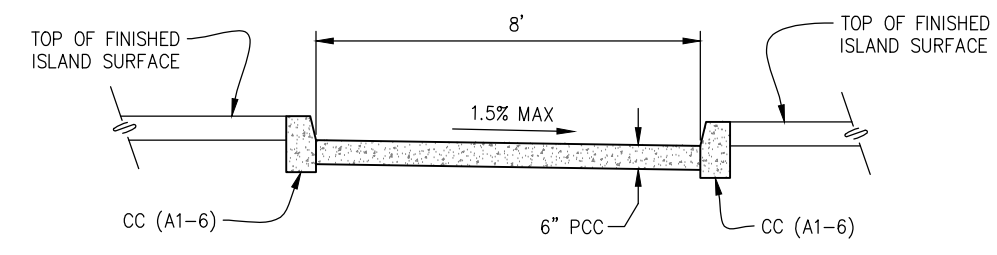
SHEET
C-17
36 OF 94
W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	37	94

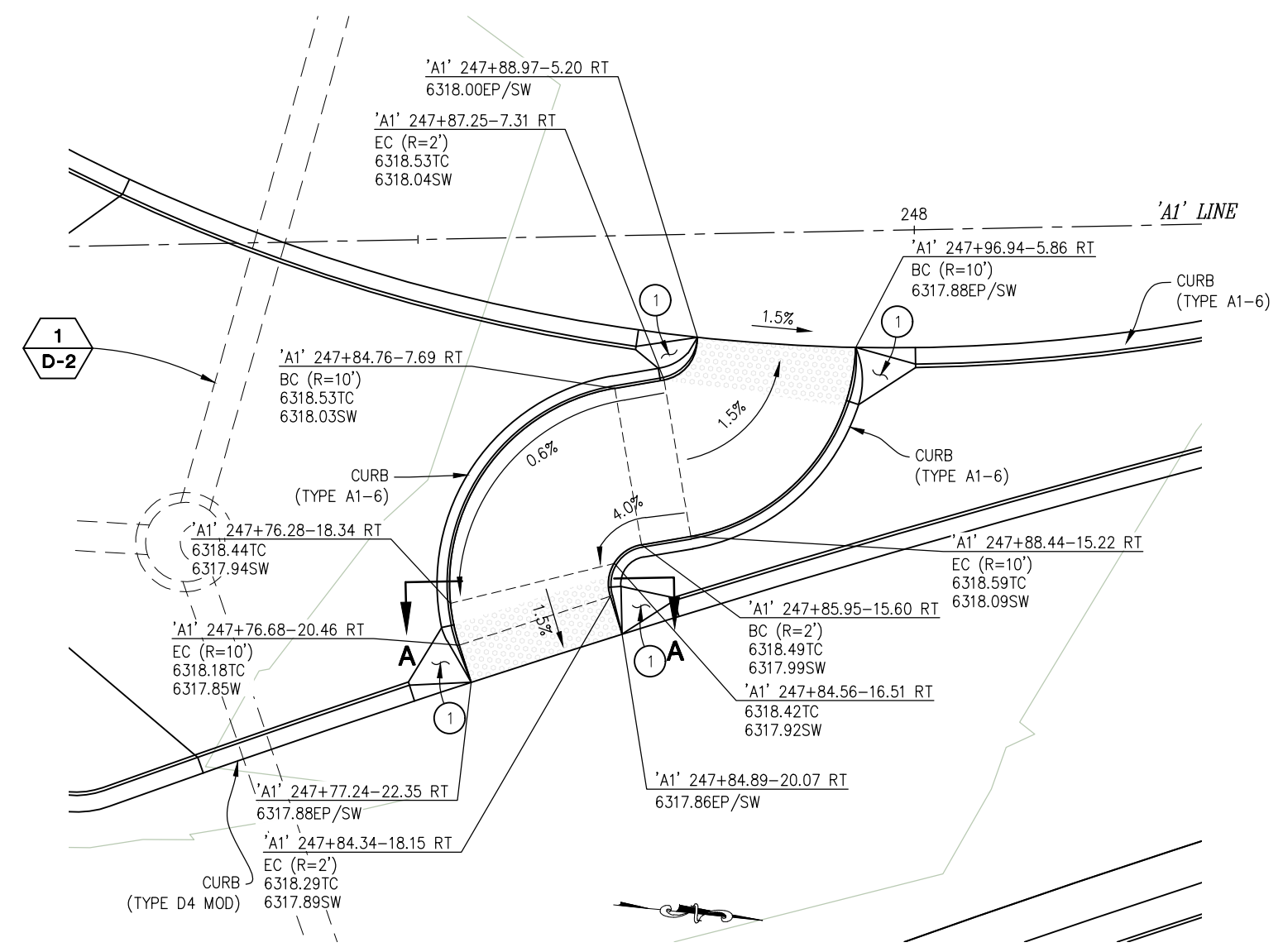
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CONSTRUCTION NOTES:

- ① — 3' TRANSITION FROM NOMINAL CURB HEIGHT TO 0" HEIGHT (SEE CURB TRANSITION DETAILS, SHT C-20)



SECTION A-A
NTS



15 **PED LANDING 9**
SCALE: 1"=4'

DETECTABLE WARNING SURFACE				
LOCATION	START STATION	END STATION	AREA (SF)	
BYPASS ISLAND 1	'A1' 245+70.36-16.39'RT	'A1' 245+78.05-19.00'RT	24.5	
BYPASS ISLAND 1	'A1' 245+67.64-24.28'RT	'A1' 245+75.06-27.28'RT	23.6	
BYPASS ISLAND 1	'PT' 12+52.07-36.74'RT	'PT' 12+59.82-34.68'RT	24.0	
BYPASS ISLAND 1	'PT' 12+54.88-47.01'RT	'PT' 12+62.56-44.74'RT	23.9	
BYPASS ISLAND 2	'PT' 12+67.73-23.34'LT	'PT' 12+75.38-20.99'LT	23.7	
BYPASS ISLAND 2	'PT' 12+64.98-14.49'LT	'PT' 12+72.86-12.41'LT	24.5	
BYPASS ISLAND 3	'A1' 245+82.56-43.82'LT	'A1' 245+90.30-45.88'LT	23.9	
BYPASS ISLAND 3	'A1' 245+84.47-35.00'LT	'A1' 245+92.30-36.77'LT	24.1	
BYPASS ISLAND 3	'A1' 247+93.24-22.05'LT	'A1' 248+01.12-20.62'LT	23.6	
BYPASS ISLAND 3	'A1' 247+91.51-13.45'LT	'A1' 247+99.59-12.29'LT	24.6	
RAMP 1	'C4' 3+85.95	'C4' 3+92.03	18.2	
PED LANDING 1	'C4' 4+87.41	'C4' 4+95.53	24.4	
PED LANDING 2	'C4' 7+27.92	'C4' 7+36.21	24.5	
RAMP 2	'C4' 8+03.46	'C4' 8+10.06	19.0	
RAMP 3	'B4' 3+04.32	'B4' 3+16.42	36.2	
PED LANDING 3	'B4' 4+75.15	'B4' 4+83.43	24.4	
PED LANDING 4	'B4' 5+75.30	'B4' 5+83.41	24.4	
RAMP 4	'B4' 6+82.38	'B4' 6+88.38	18.3	
RAMP 5	'B9' 3+38.45	'B9' 3+50.38	36.0	
PED LANDING 5	'B9' 5+18.48	'B9' 5+26.69	24.5	
PED LANDING 6	'B9' 6+29.03	'B9' 6+37.09	24.1	
RAMP 6	'B11' 1+31.94	'B11' 1+59.75	83.4	
PED LANDING 7 (SPLITTER ISLAND 1)	'A1' 245+88.52-16.83'LT	'A1' 245+96.39-18.29'LT	40.8	
PED LANDING 7 (SPLITTER ISLAND 1)	'A1' 245+76.11-0.54'LT	'A1' 245+83.85-1.50'RT	23.6	
PED LANDING 8 (SPLITTER ISLAND 2)	'PT' 12+47.46-19.82'RT	'PT' 12+55.25-18.09'RT	24.0	
PED LANDING 8 (SPLITTER ISLAND 2)	'PT' 12+60.38-3.31'RT	'PT' 12+68.24-4.70'RT	22.4	
PED LANDING 9 (SPLITTER ISLAND 3)	'A1' 274+77.24-22.35'RT	'A1' 274+84.89-20.07'RT	24.0	
PED LANDING 9 (SPLITTER ISLAND 3)	'A1' 247+88.97-5.20'RT	'A1' 247+96.94-5.86'RT	21.6	

CONSTRUCTION DETAILS
SCALE : AS SHOWN

CU XX EFIS 0317000163 EA 03-2H610

ORIGINAL SCALE IS IN INCHES
Drawing name: C:\Users\ksudiyama\Desktop\C-Sheets.dwg Layout Tab: C-18 Dec 29, 2023 - 2:45pm ksudiyama

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
DECEMBER 29, 2023
DATE:

DESIGNED: DP DRAWN: KIS
CHECKED: DP DATE: 10/05/23
ROAD NUMBER: 000



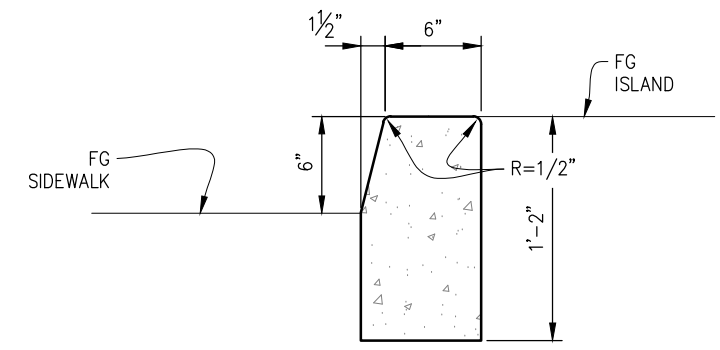
COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT

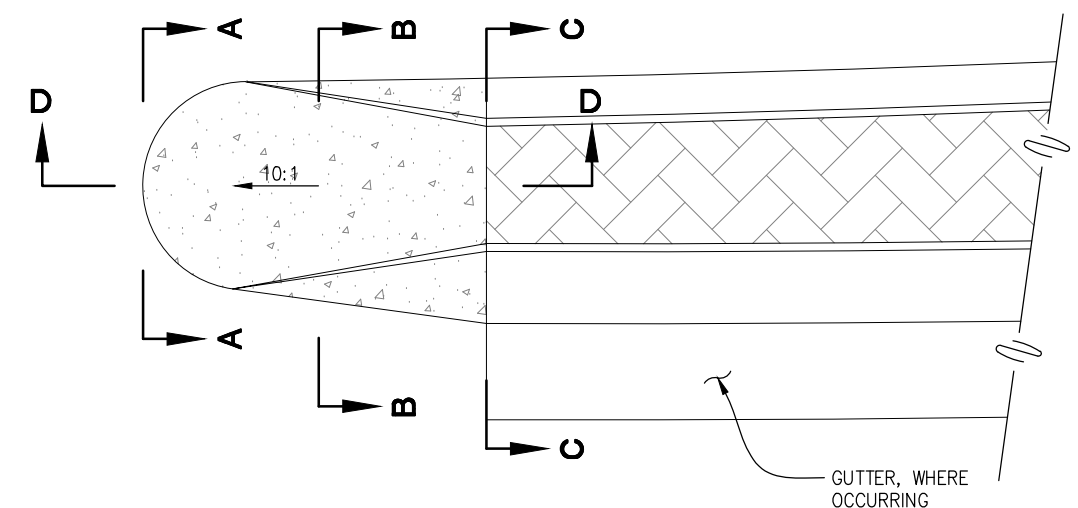
SHEET
C-18
37 OF 94
W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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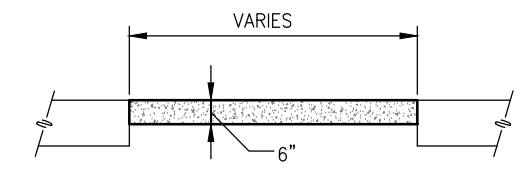
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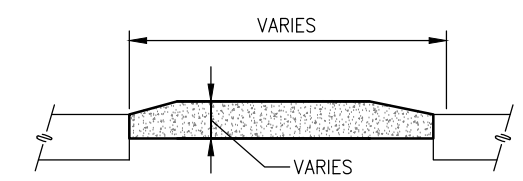
CURB (TYPE A1-6)
NTS



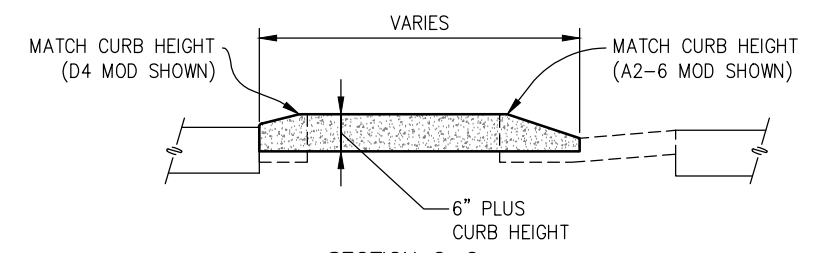
(APPROACH AND EXIT NOSE OF SPLITTER AND BYPASS ISLANDS)
ISLAND NOSE - CASE I
NTS



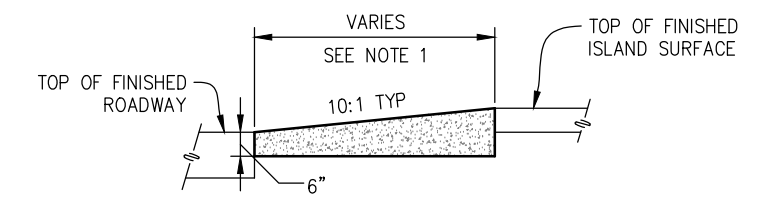
SECTION A-A



SECTION B-B

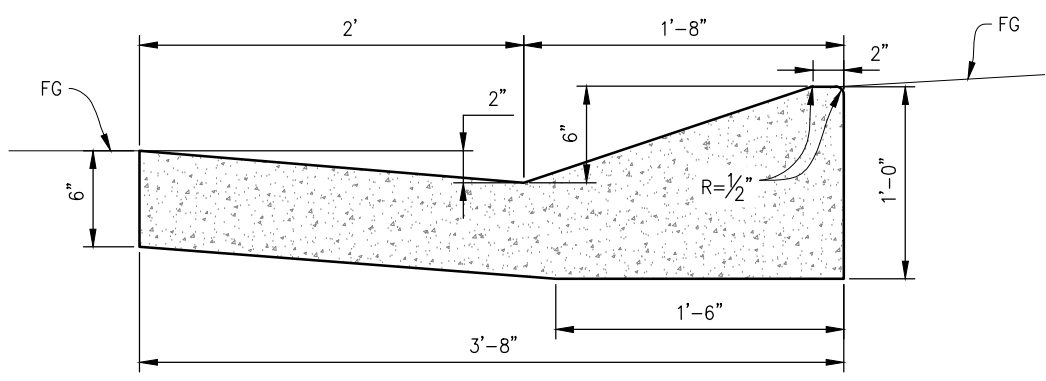


SECTION C-C

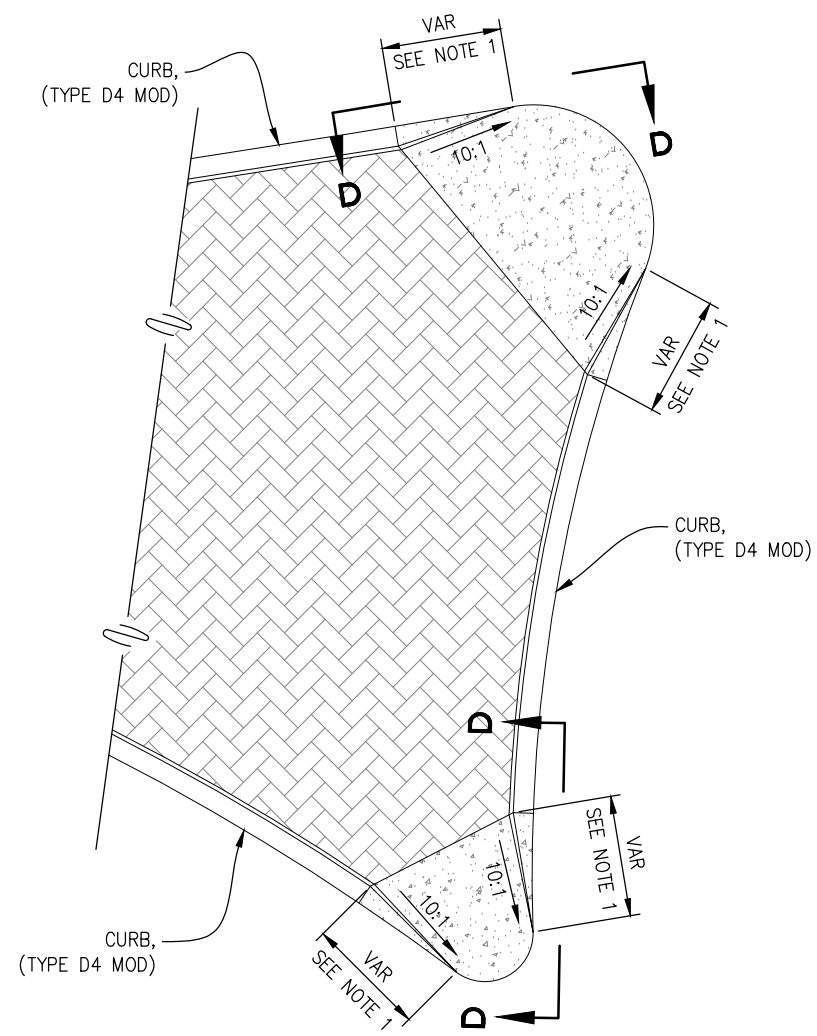


SECTION D-D

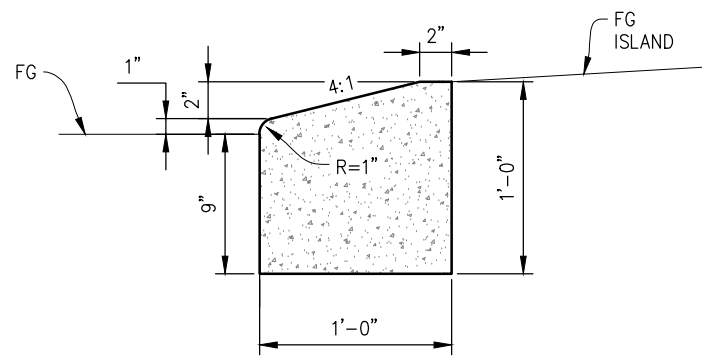
ISLAND NOSE - SECTIONS
NTS



CURB (TYPE A2-6 MOD)
NTS



(SPLITTER ISLAND RETURNS AT INSCRIBED CIRCLE)
ISLAND NOSE - CASE II
NTS



CURB (TYPE D4 MOD)
NTS

GENERAL NOTES:
1. TRANSITION FROM NOMINAL CURB HEIGHT TO 0" HEIGHT

CONSTRUCTION DETAILS
SCALE : AS SHOWN

CU XX	EFIS 0317000163	EA 03-2H610
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ORIGINAL SCALE IS IN INCHES
Drawing name: C:\Users\ksugiyama\Desktop\C-Sheets.dwg Layout Tab: C-19 Dec 29, 2023 - 2:46pm ksugiyama

FOR REDUCED PLANS

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[Signature]
REGISTERED CIVIL ENGINEER
DATE: **DECEMBER 29, 2023**

DESIGNED: DP
DRAWN: SGM
CHECKED: DP
DATE: 03/31/23
ROAD NUMBER: 000



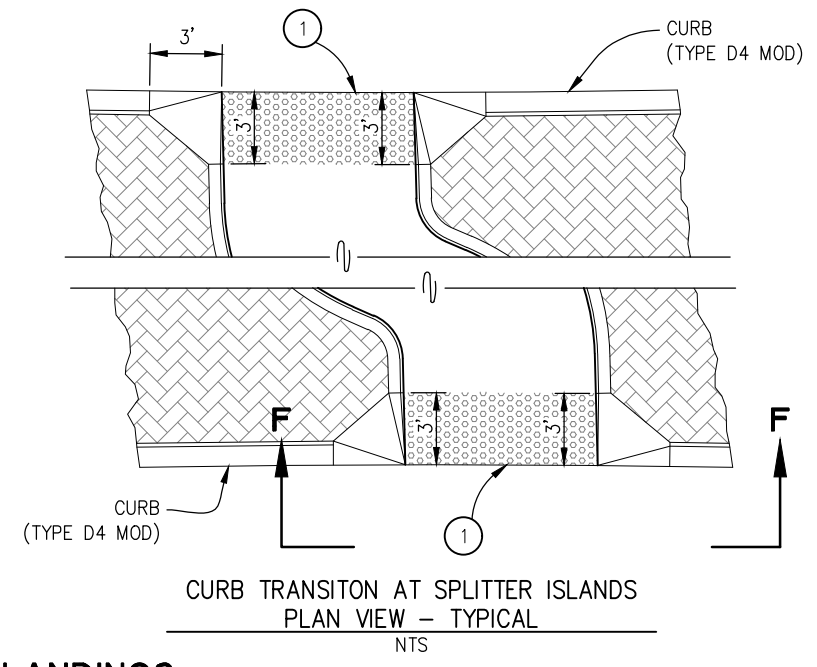
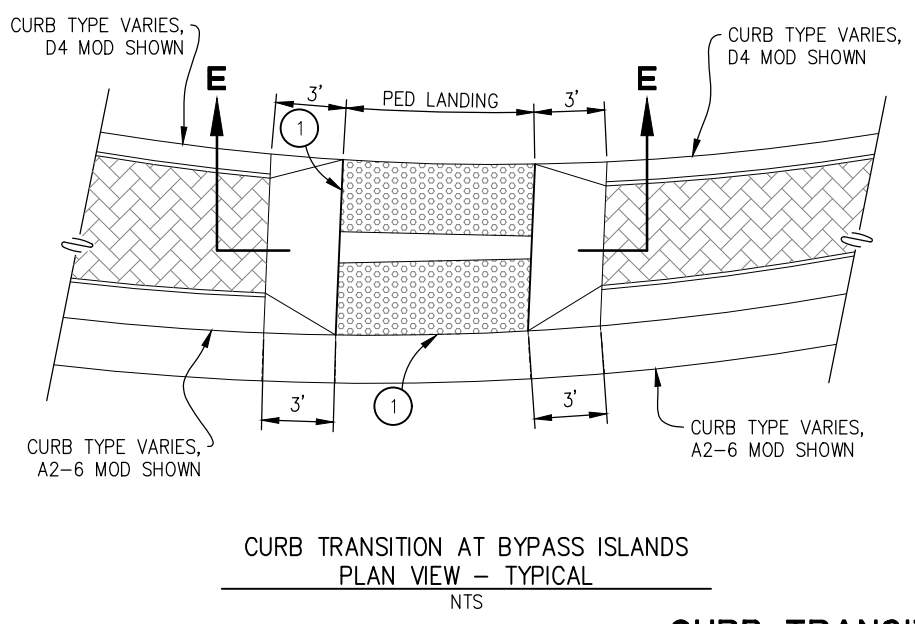
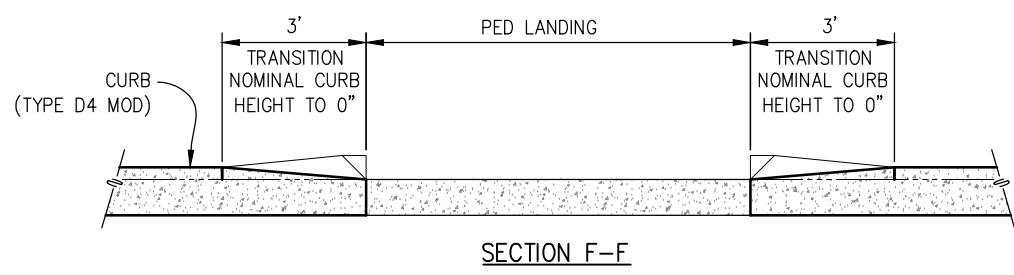
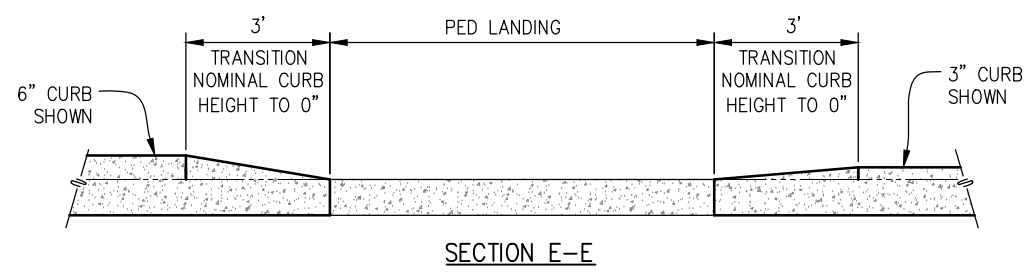
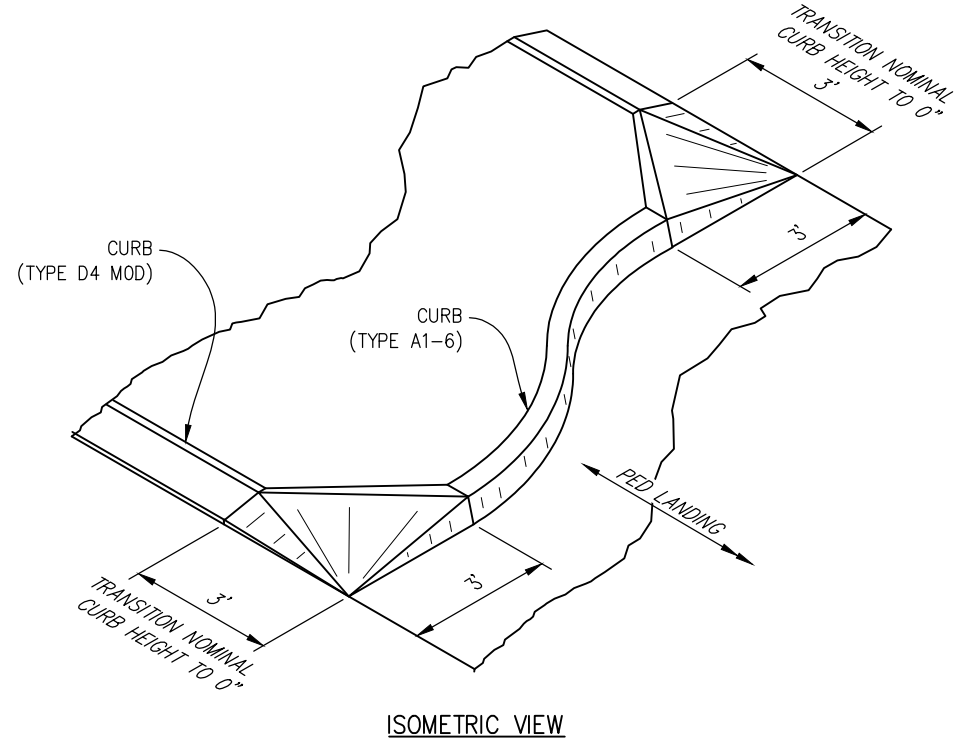
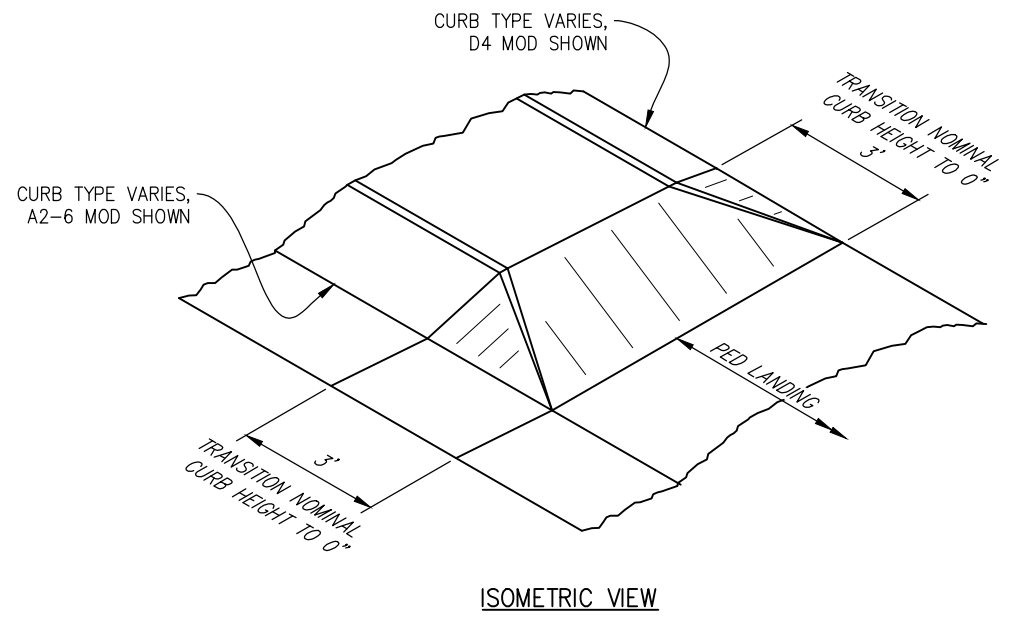
COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT

SHEET
C-19
38 OF 94
W.O. No.
7614

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	39	94

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CONSTRUCTION NOTES:

① - DETECTABLE WARNING SURFACE, SEE TABLE SHT C-18

CURB TRANSITION AT PEDESTRIAN LANDINGS

NTS

CONSTRUCTION DETAILS

SCALE : AS SHOWN

ORIGINAL SCALE IS IN INCHES
Drawing name: C:\Users\ksudiyama\Desktop\C-Sheets.dwg Layout Tab: C-20 Dec 29, 2023 - 2:48pm ksudiyama

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF :

Donald S. Palamian

REGISTERED CIVIL ENGINEER

DECEMBER 29, 2023

DESIGNED: DP
DRAWN: KIS
CHECKED: DP
DATE: 10/05/23
ROAD NUMBER: 000



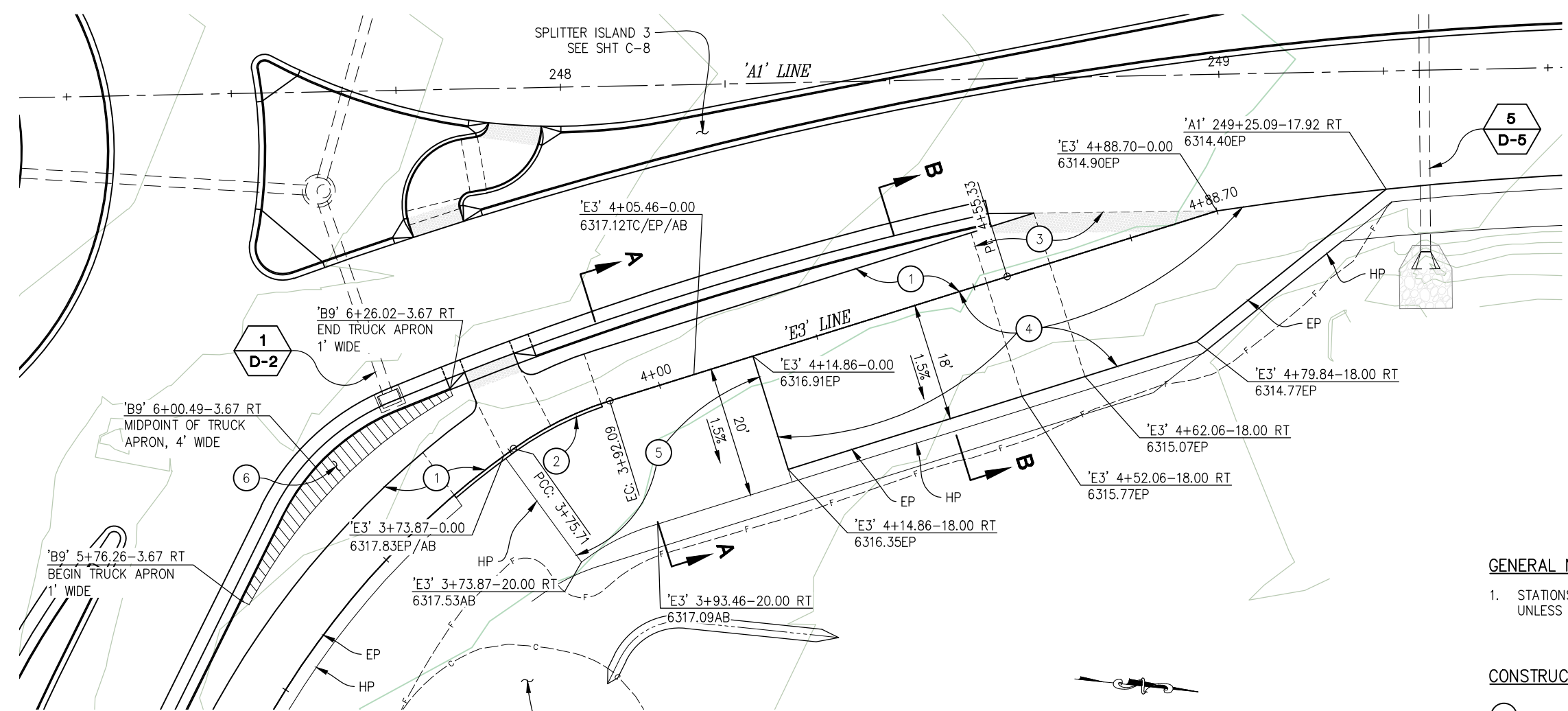
COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT

SHEET
C-20
39 OF 94
W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	40	94

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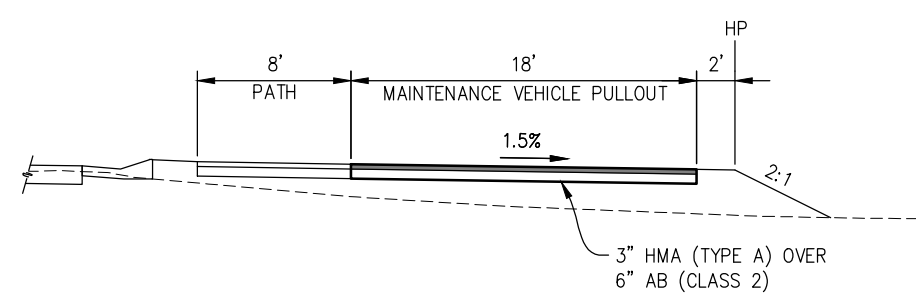
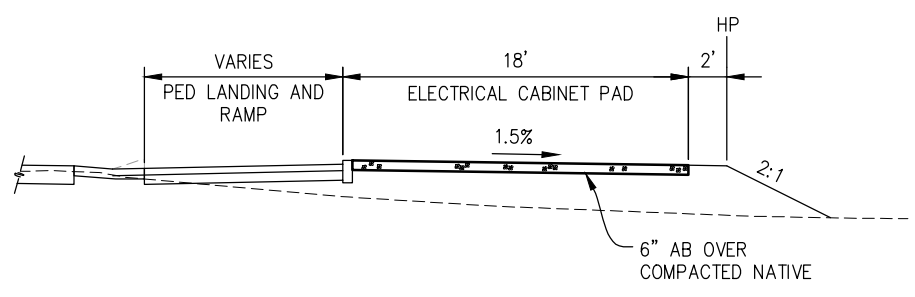
16
MAINTENANCE VEHICLE PULLOUT AND TRUCK APRON
 SCALE: 1"=10'

GENERAL NOTES:

- STATIONS AND OFFSETS ARE TO ALIGNMENT 'E3' UNLESS OTHERWISE NOTED

CONSTRUCTION NOTES:

- MP TRAIL, SEE SHT C-4 FOR ALIGNMENT AND GRADING DETAILS
- CURB (TYPE A1-6), SEE DETAIL 11, SHT C-16
- RAMP, SEE DETAIL 12, SHT C-16
- MAINTENANCE VEHICLE PULLOUT
3" HMA (TYPE A) OVER
6" AB (CLASS 2)
- PAD FOR ELECTRICAL CABINETS (SEE 'E' SHTS)
6" AB (CLASS 2) OVER
COMPACTED NATIVE
- TRUCK APRON, 6" PCC OVER 6" AB (CLASS 2)
PLACED IMMEDIATELY BEHIND CURB (A2-6 MOD)
WITH LIMITS AND DIMENSIONS SHOWN



CONSTRUCTION DETAILS
SCALE : AS SHOWN

ORIGINAL SCALE IS IN INCHES
 Drawing name: Z:\Civil_3D\Projects\36104026\Pioneer_Roundabout\CADD\Files\Sheets\C-Sheets.dwg Layout Tab: C-21 Oct_30_2024 -- 2:47pm ksujiyama

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 CHECKED: DP
 DATE: 10/05/23
 ROAD NUMBER: 000



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

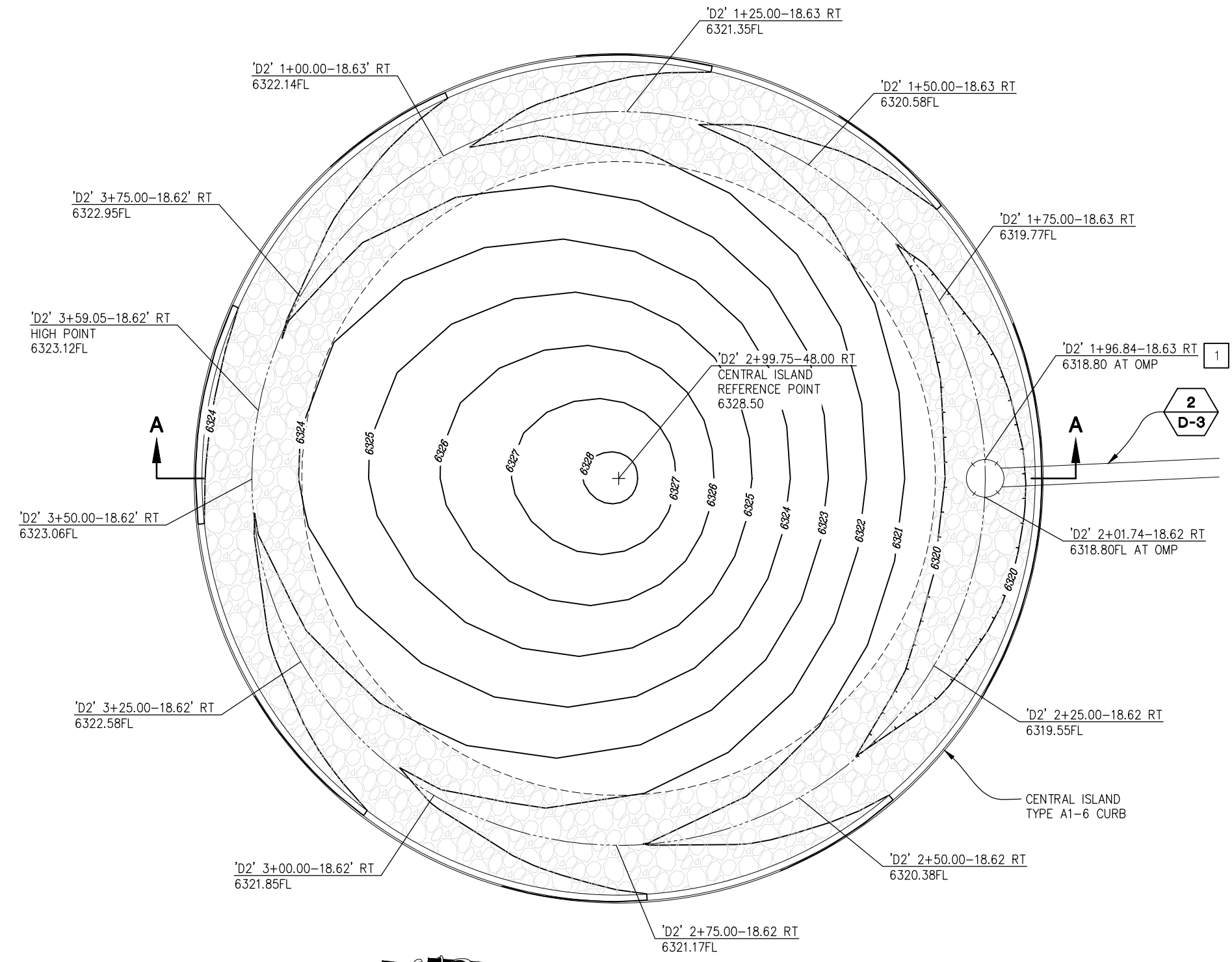
PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT

SHEET
C-21
 40 OF 94
 W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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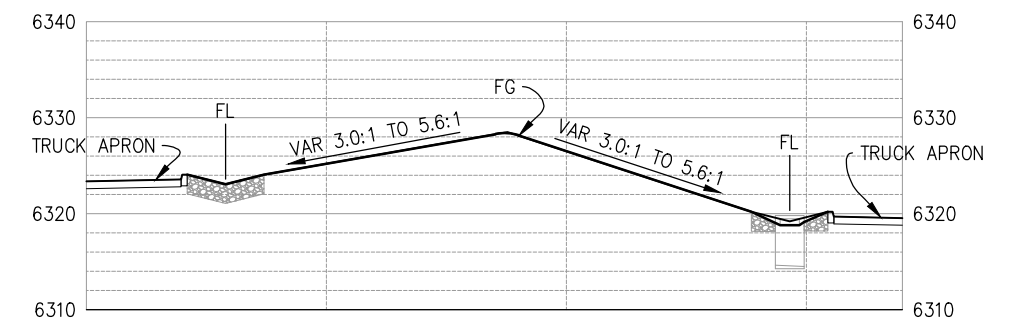
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Drawing name: Z:\Civil_3D\Projects\36104026\Pioneer Roundabout\CADD\Files\Sheets\G-Sheets.dwg Layout Tab: G-1 Dec 29, 2023 - 7:41am ksudiyama



CENTRAL ISLAND - PLAN
SCALE: 1"=5'

CONSTRUCTION NOTES:

- 1 - CONSTRUCT 8' WIDE CENTER ISLAND V-DITCH. SEE DETAIL SHEET D-6



SECTION A-A
CENTRAL ISLAND - PROFILE
SCALE: 1"=10' H,V

FOR REDUCED PLANS

REVISION	NUMBER	DATE	DESCRIPTION	BY



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DRAWN: KIS
CHECKED: DP
DATE: 10/05/23
ROAD NUMBER: 000



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT

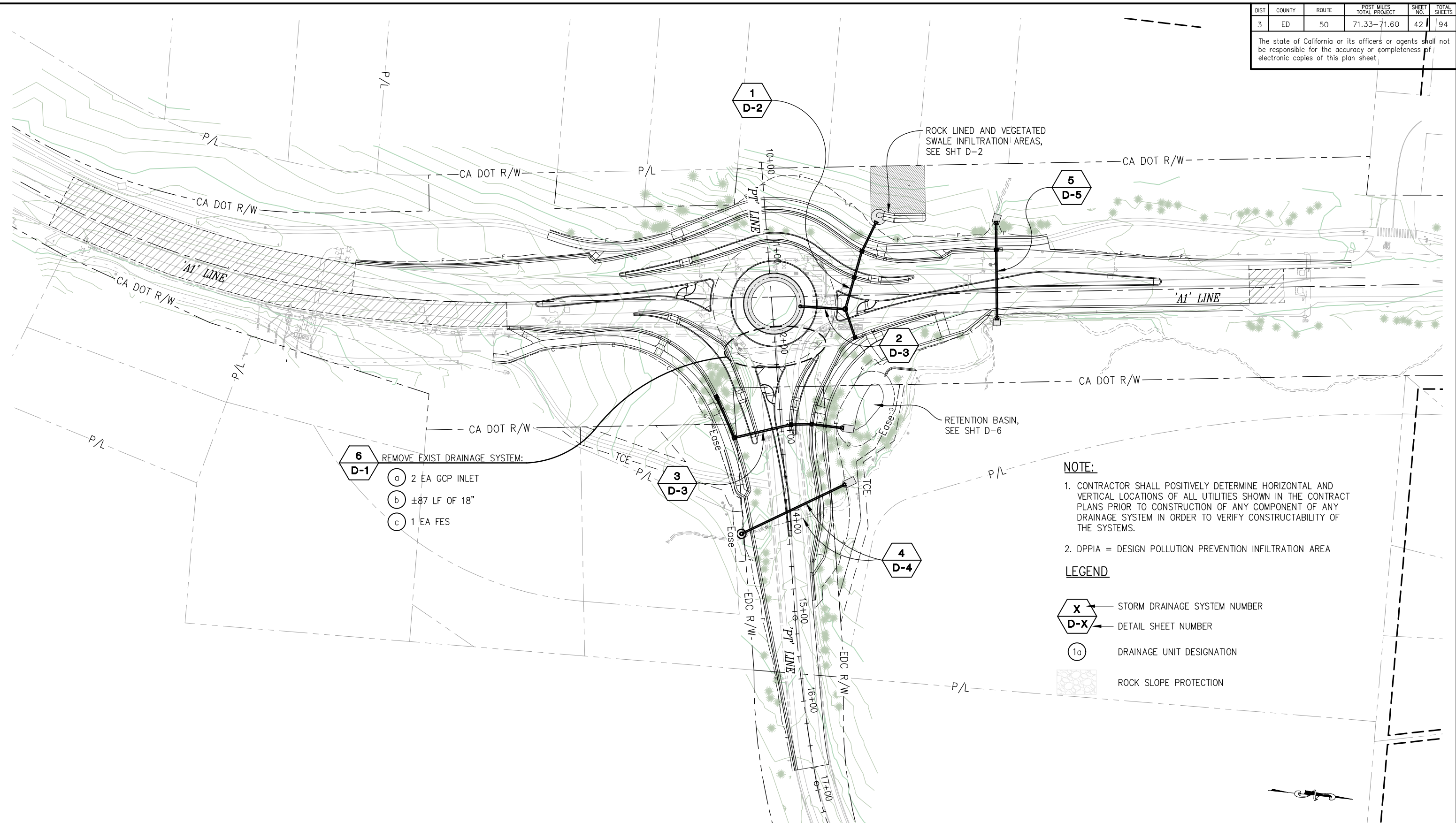
SHEET
G-1
41 OF 94
W.O. No.
7614

CONTOUR GRADING
SCALE : AS SHOWN
CU XX EFIS 0317000163 EA 03-2H610

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	42	94

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ORIGINAL SCALE IS IN INCHES
 Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\D-Sheets.dwg Layout Tab: D-1 Oct 30, 2024 - 2:24pm ksujayama
 FOR REDUCED PLANS



- 6**
D-1 REMOVE EXIST DRAINAGE SYSTEM:
- a 2 EA GCP INLET
 - b ±87 LF OF 18"
 - c 1 EA FES

NOTE:

- CONTRACTOR SHALL POSITIVELY DETERMINE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES SHOWN IN THE CONTRACT PLANS PRIOR TO CONSTRUCTION OF ANY COMPONENT OF ANY DRAINAGE SYSTEM IN ORDER TO VERIFY CONSTRUCTABILITY OF THE SYSTEMS.
- DPPIA = DESIGN POLLUTION PREVENTION INFILTRATION AREA

- LEGEND**
- STORM DRAINAGE SYSTEM NUMBER
 - DETAIL SHEET NUMBER
 - DRAINAGE UNIT DESIGNATION
 - ROCK SLOPE PROTECTION

THIS SHEET ACCURATE FOR DRAINAGE WORK ONLY

DRAINAGE KEY MAP
SCALE : 1" = 50'

EFIS 0317000163 CU XX EA 03-2H610

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

 REGISTERED CIVIL ENGINEER
 DATE: **DECEMBER 29, 2023**

DESIGNED: DP
 DRAWN: SGM
 CHECKED: DP
 DATE: 03/31/23
 ROAD NUMBER: 000




COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

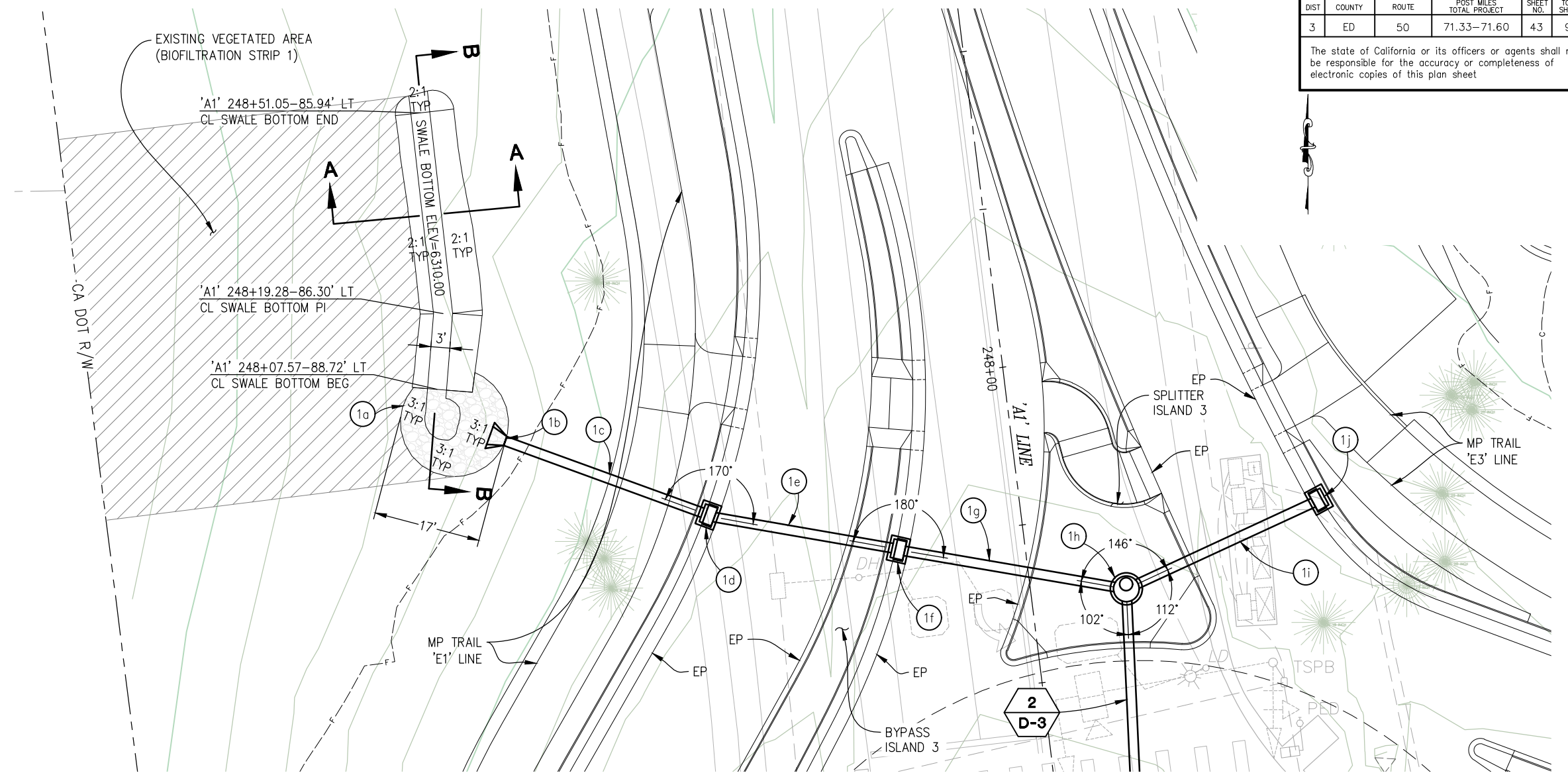
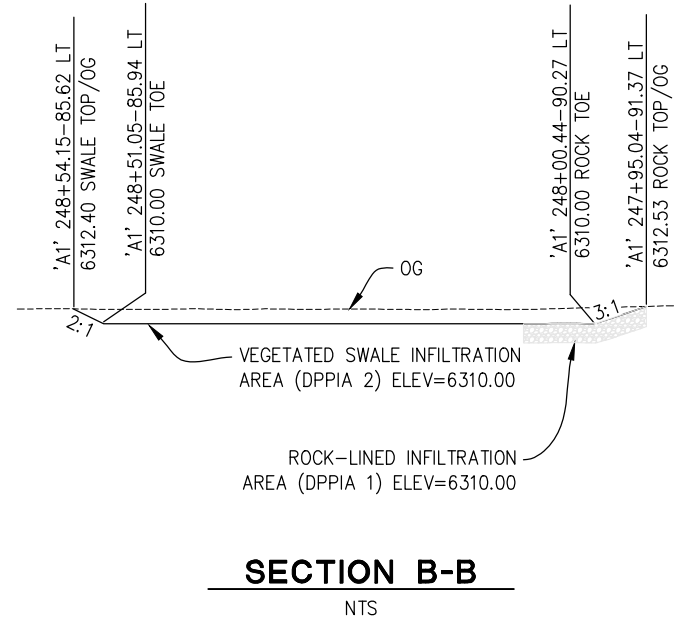
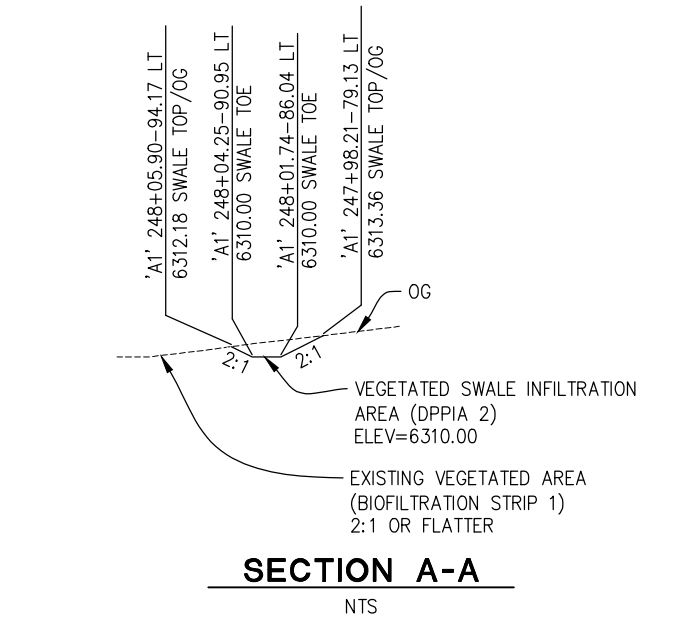
PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT

SHEET
D-1
42 OF 94
W.O. No.
7614

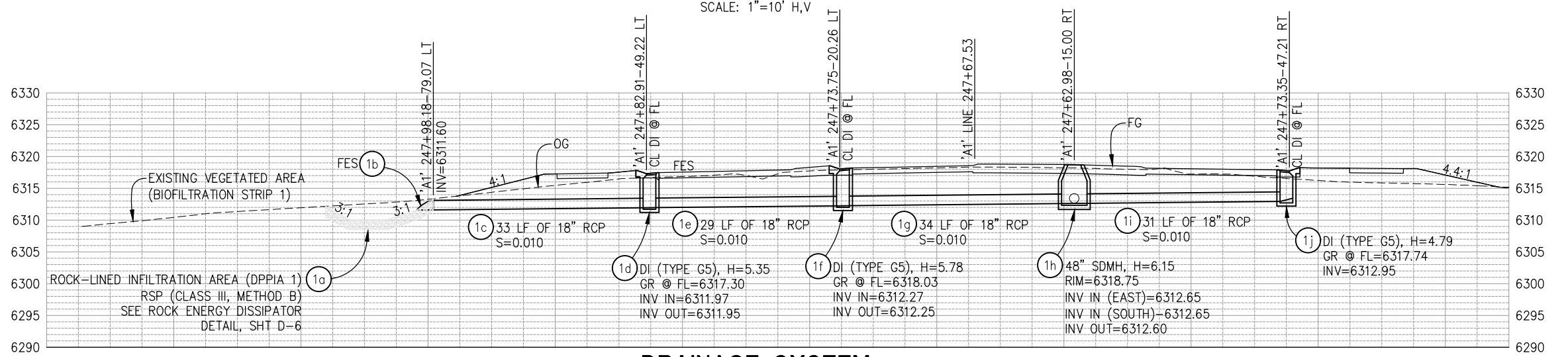
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	43	94

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LEGEND:
 — EXISTING VEGETATED AREA (BIOFILTRATION STRIP 1)



DRAINAGE SYSTEM NO. 1 - PLAN



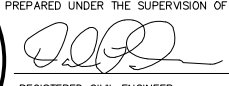
DRAINAGE SYSTEM NO. 1 - PROFILE

THIS SHEET ACCURATE FOR DRAINAGE WORK ONLY

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REVISION	NUMBER	DATE	DESCRIPTION	BY



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DESIGNED: DP
 DRAWN: KIS
 CHECKED: DP
 DATE: 10/05/23
 ROAD NUMBER: 000



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

DRAINAGE SCALE: AS SHOWN

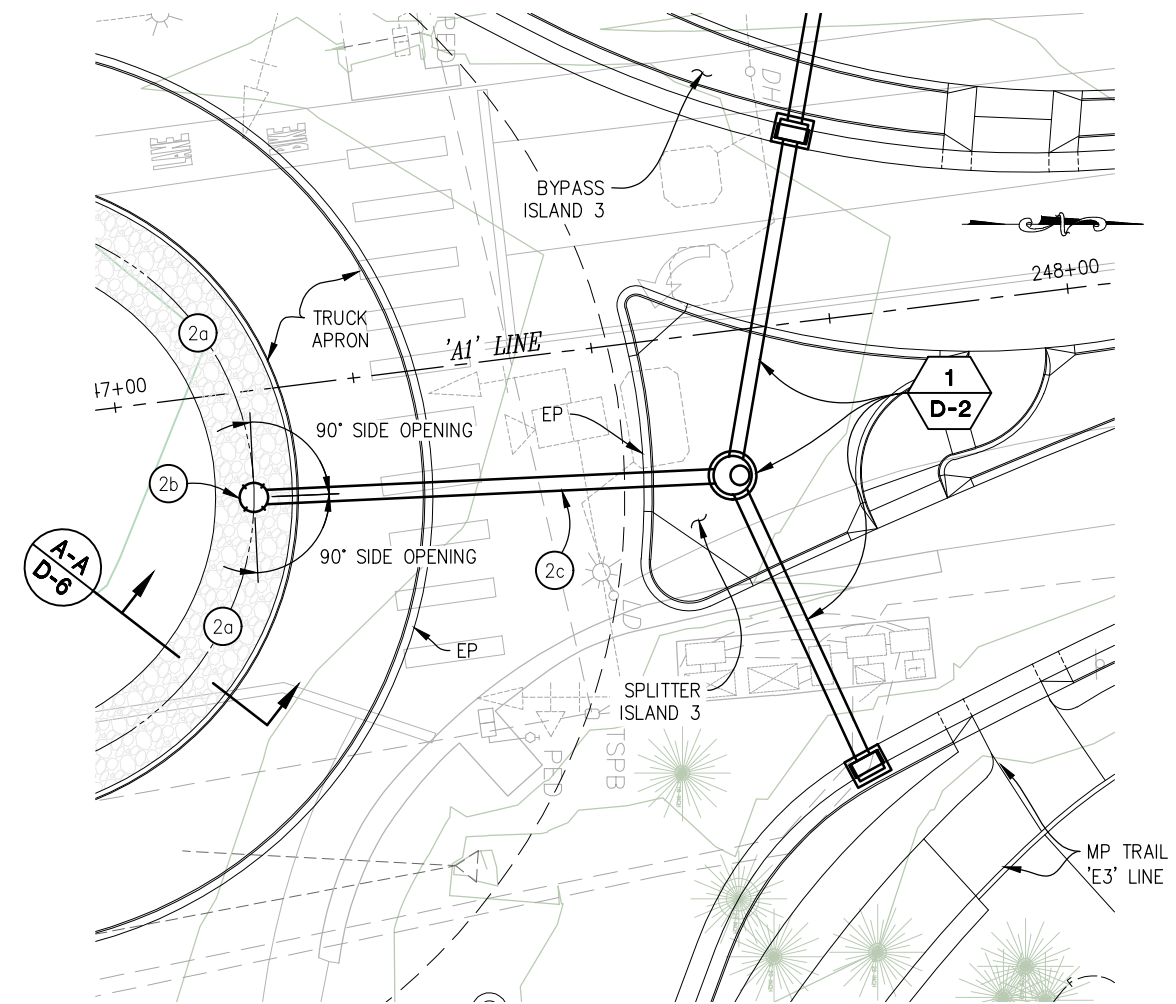
EFIS 0317000163 CU XX EA 03-2H610

PIONEER TRAIL/US HIGHWAY 50 INTERSECTION SAFETY IMPROVEMENT PROJECT

SHEET **D-2**
 43 OF 94
 W.O. No. **7614**

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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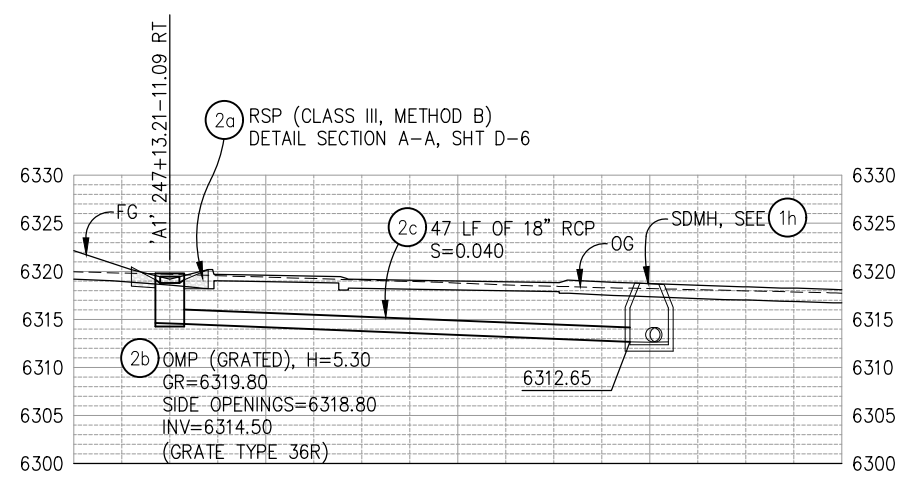
DRAINAGE SYSTEM NO. 2 - PLAN

SCALE: 1"=10' H,V



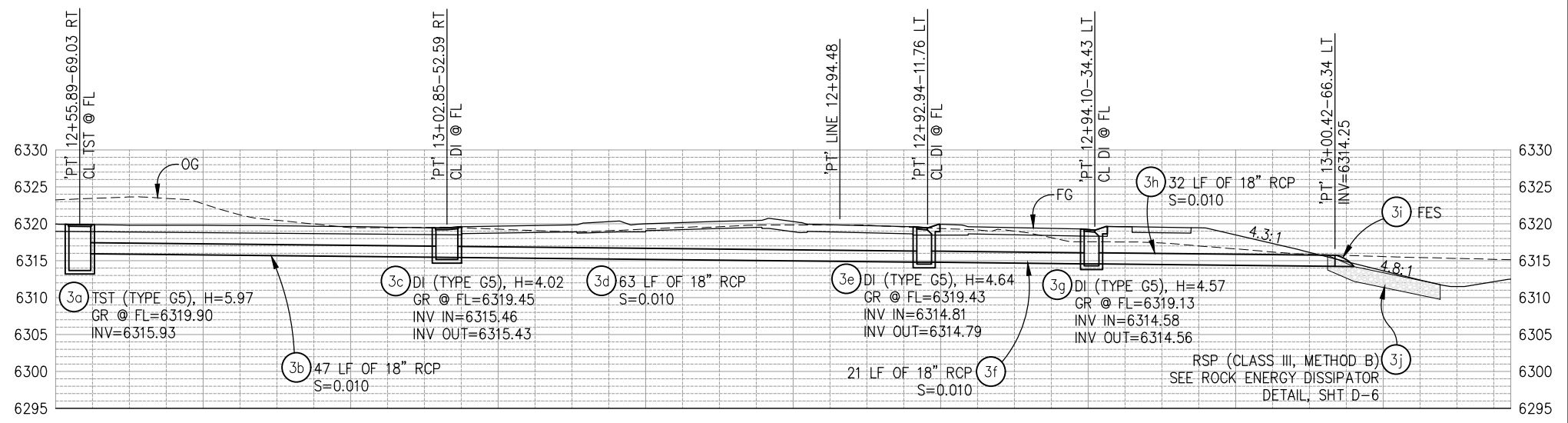
DRAINAGE SYSTEM NO. 3 - PLAN

SCALE: 1"=10' H,V



DRAINAGE SYSTEM NO. 2 - PROFILE

SCALE: 1"=10' H,V



DRAINAGE SYSTEM NO. 3 - PROFILE

SCALE: 1"=10' H,V

THIS SHEET ACCURATE FOR DRAINAGE WORK ONLY

ORIGINAL SCALE IS IN INCHES
Drawing name: Z:\Civil_3D\Projects\36104026\Pioneer Roundabout\CADD\Files\Sheets\D-Sheets.dwg Layout Tab: D-3 Oct 29, 2024 - 4:19pm dpataroon

REVISION	NUMBER	DATE	DESCRIPTION	BY



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CHECKED: DP
DATE: 10/05/23
ROAD NUMBER: 000



**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

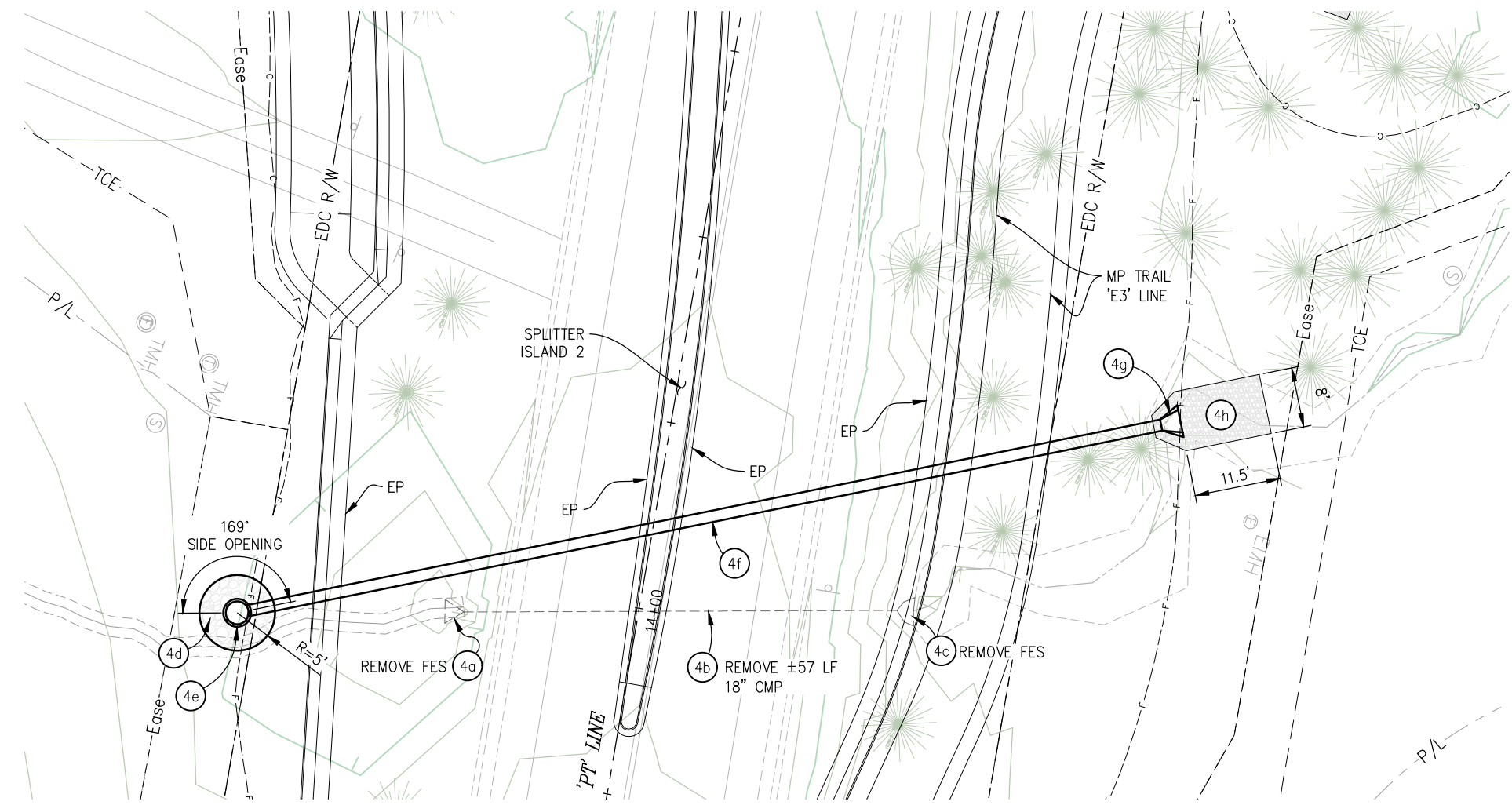
**PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT**

EFIS 0317000163	CU XX	EA 03-2H610
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SHEET
D-3
44 OF 94
W.O. No.
7614

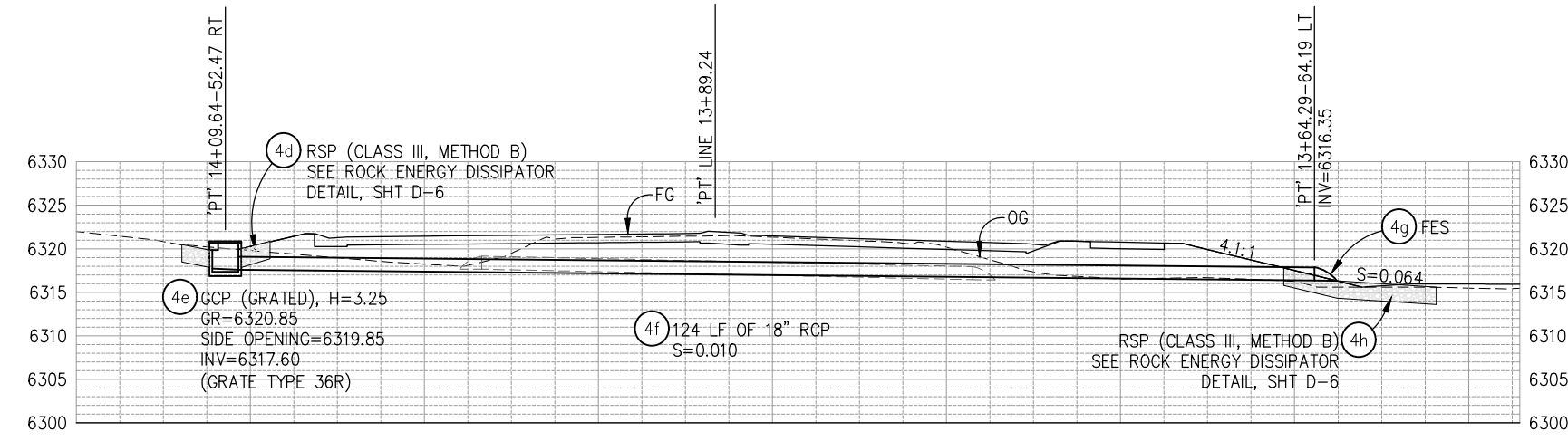
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	45	94

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DRAINAGE SYSTEM NO. 4 - PLAN

SCALE: 1"=10' H,V



DRAINAGE SYSTEM NO. 4 - PROFILE

SCALE: 1"=10' H,V

THIS SHEET ACCURATE FOR DRAINAGE WORK ONLY

ORIGINAL SCALE IS IN INCHES
Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\D-Sheets.dwg Layout Tab: D-4 Sep 18, 2024 - 6:57am ksujyama

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DRAWN: KIS
CHECKED: DP
DATE: 10/05/23
ROAD NUMBER: 000



**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

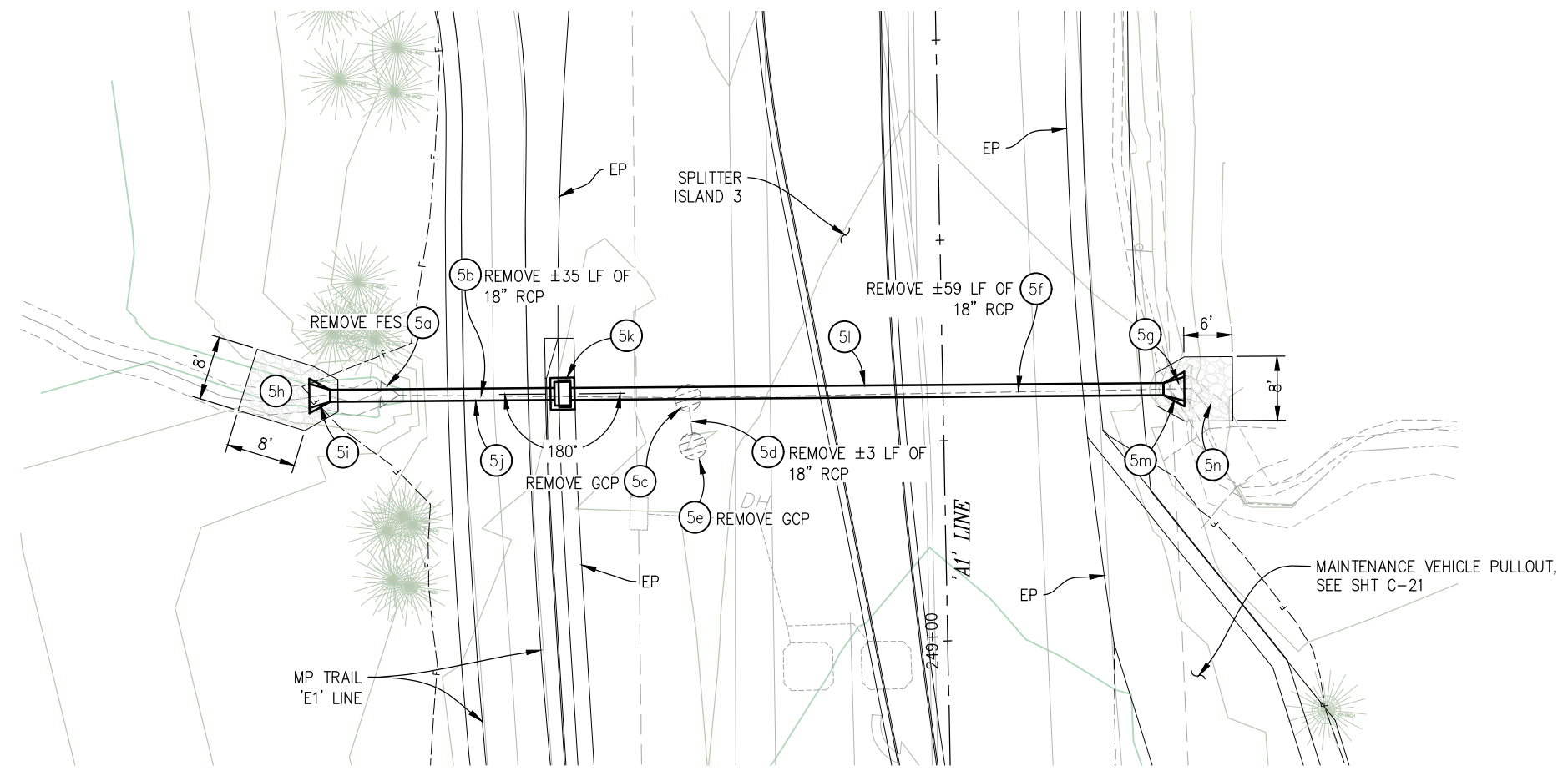
**PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT**

EFIS 0317000163 CU XX EA 03-2H610

DRAINAGE SCALE : AS SHOWN
SHEET **D-4**
45 OF 94
W.O. No. **7614**

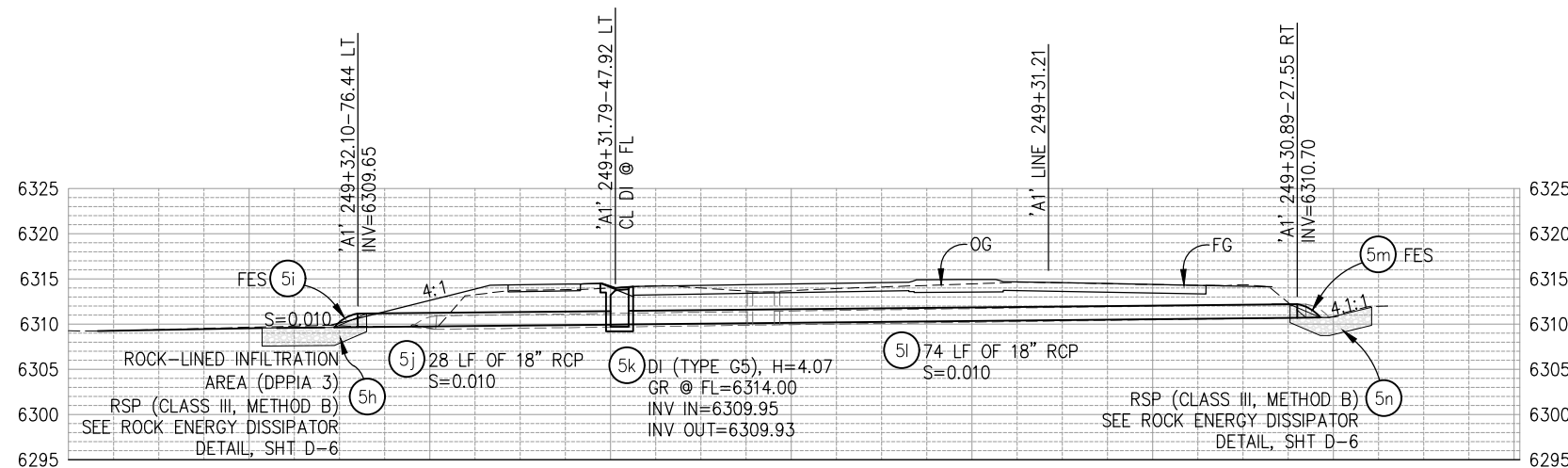
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	46	94

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DRAINAGE SYSTEM NO. 5 - PLAN

SCALE: 1"=10' H,V



DRAINAGE SYSTEM NO.5 - PROFILE

SCALE: 1"=10' H,V

THIS SHEET ACCURATE FOR DRAINAGE WORK ONLY

DRAINAGE SCALE : AS SHOWN

EFIS 0317000163	CU XX	EA 03-2H610
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ORIGINAL SCALE IS IN INCHES
Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\D-Sheets.dwg Layout Tab: D-5 Oct 30, 2024 - 9:32am dplaron

FOR REDUCED PLANS
2
1
0

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

 REGISTERED CIVIL ENGINEER
 DATE: **DECEMBER 29, 2023**

DESIGNED: DP
 DRAWN: KIS
 CHECKED: DP
 DATE: 10/05/23
 ROAD NUMBER: 000



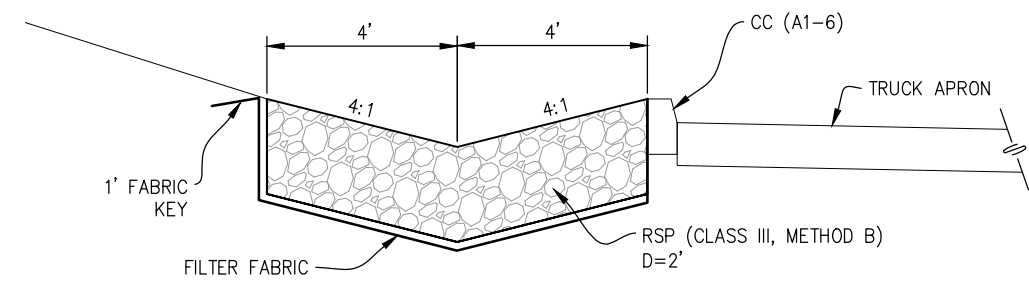
COUNTY OF EL DORADO
 DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50
 INTERSECTION SAFETY
 IMPROVEMENT PROJECT

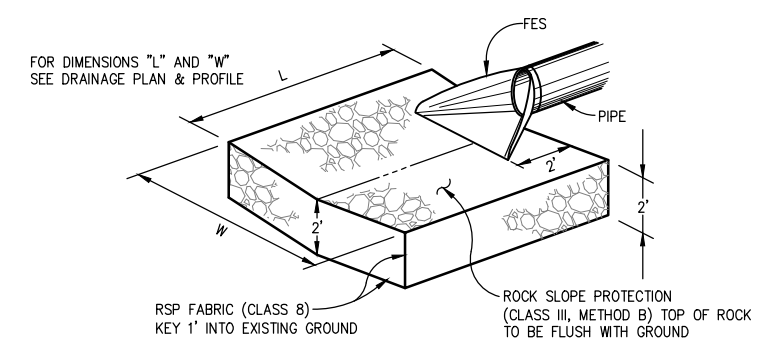
SHEET
D-5
 46 OF 94
 W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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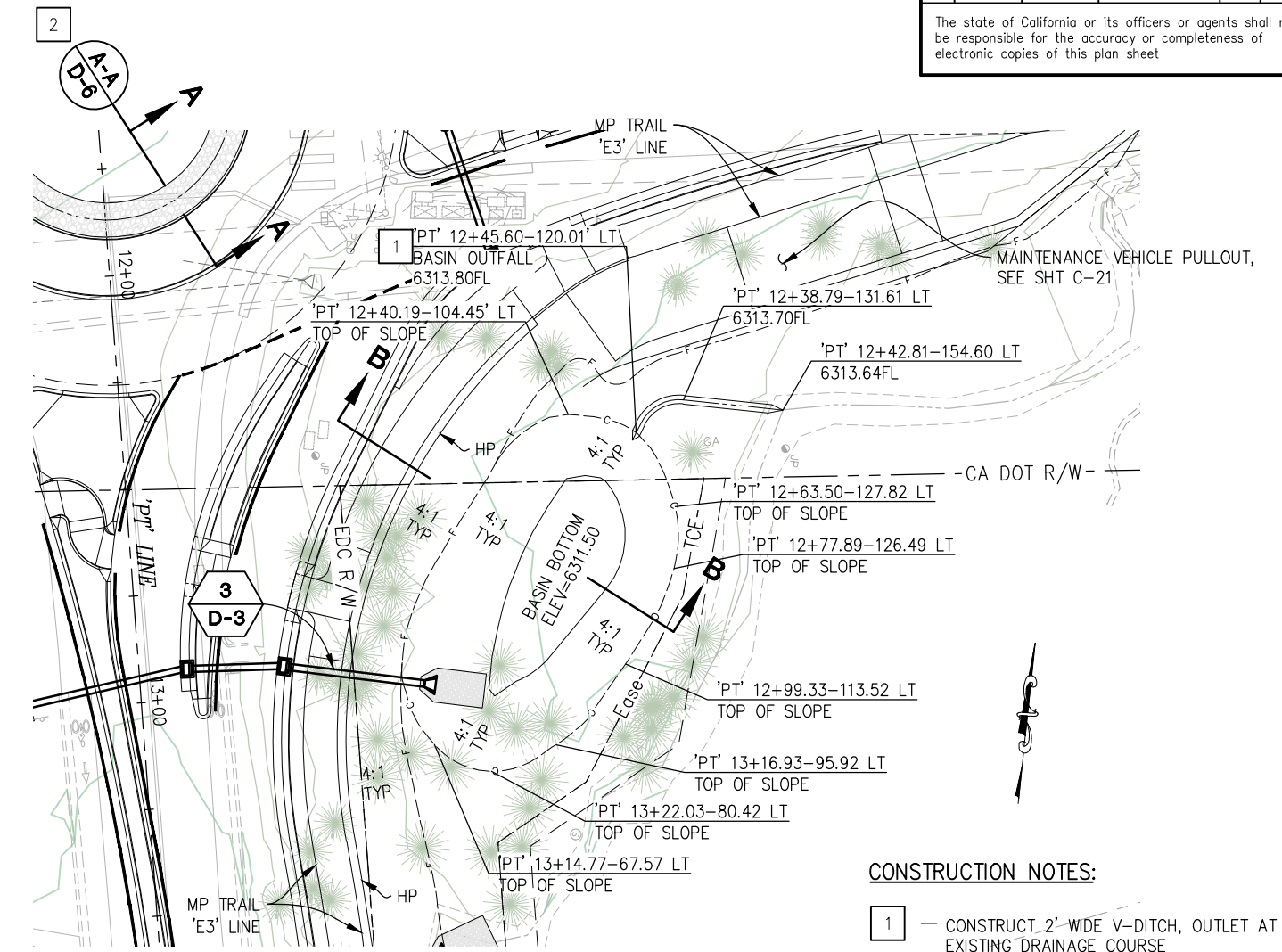
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**SECTION A-A
(CENTRAL ISLAND V-DITCH)**
NTS

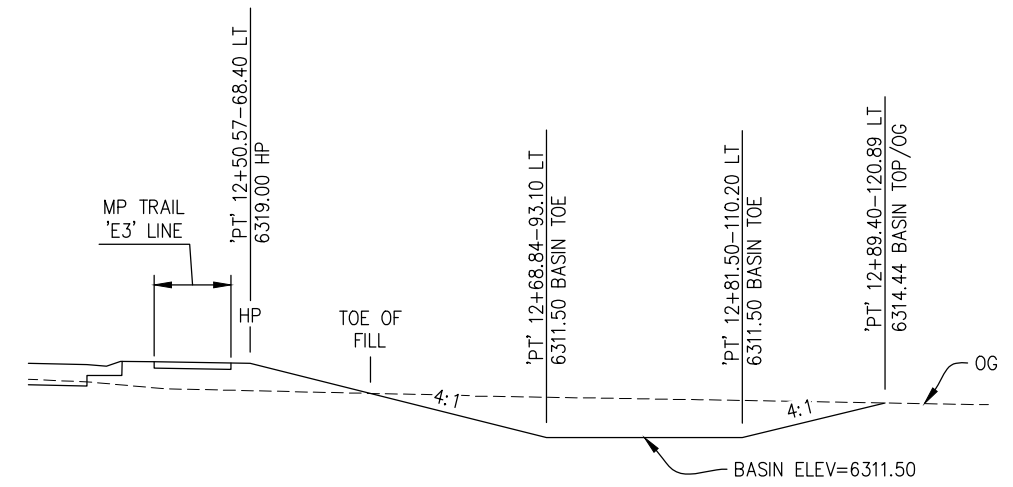


ROCK ENERGY DISSIPATOR
NTS



RETENTION BASIN
SCALE: 1"=20'

- CONSTRUCTION NOTES:**
- 1 - CONSTRUCT 2' WIDE V-DITCH, OUTLET AT EXISTING DRAINAGE COURSE
 - 2 - CONSTRUCT 8' WIDE CENTER ISLAND V-DITCH. SEE SHEET G-1 FOR HORIZONTAL AND VERTICAL INFORMATION.



SECTION B-B
NTS

THIS SHEET ACCURATE FOR DRAINAGE WORK ONLY

DRAINAGE SCALE : AS SHOWN

ORIGINAL SCALE IS IN INCHES
Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\D-Sheets.dwg Layout Tab: D-6 Sep 18, 2024 - 7:03am ksujiyama

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2
1
0

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DRAWN: KIS
CHECKED: DP
DATE: 10/05/23
ROAD NUMBER: 000



**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

**PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT**

SHEET
D-6
47 OF 94
W.O. No.
7614

ORIGINAL SCALE IS IN INCHES
 Drawing name: Z:\Civil_3D_Projects\36104026_Pioneer_Roundabout\CADD_Files\Sheets\D-Sheets.dwg Layout Tab: D-7 Nov 01, 2024 - 10:52am dpaalroom
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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	48	94

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DRAINAGE PLAN SHEET NO.	DRAINAGE SYSTEM NO.	DRAINAGE UNIT	48" STORM DRAIN MANHOLE (SDMH)	DRAINAGE INLET TYPE G5 (2' X 3')	DRAINAGE INLET TYPE GCP (36")	DRAINAGE INLET TYPE OMP (36")	H INLET DEPTH [N]	18" RCP PIPE	18" CONCRETE FES	RSP (FACING METHOD B)	RSP FABRIC (CLASS B)	REMOVE 18" CMP [N]	REMOVE 18" RCP [N]	REMOVE INLET	REMOVE FES	DESCRIPTION	STATION	DRAINAGE UNIT	DRAINAGE SYSTEM NO.	DRAINAGE PLAN SHEET NO.	
D-2	1	a	EA	EA	EA	EA	FT	LF	EA	CY	SY	LF	LF	EA	EA			a	1	D-2	
		b								1	15	35						'A1' 247+98.18-79.07 LT			b
		c							33								S=0.010				c
		d			1			5.35										'A1' 247+82.91-49.22 LT			d
		e							29								S=0.010				e
		f			1			5.78										'A1' 247+73.75-20.26 LT			f
		g							34								S=0.010				g
		h		1				6.15										'A1' 247+62.98-15.00 RT			h
		i							31								S=0.010				i
		j			1			4.79										'A1' 247+73.35-47.21 RT			j
D-3	2	a								109	233					CENTRAL ISLAND V-DITCH		a	2	D-3	
		b				1	5.30										'A1' 247+13.21-11.09 RT	b			
D-3	3	c						47								S=0.040		c			
		a			1		5.97										'PT' 12+55.89-69.03 RT	a			
		b							47								S=0.010		b		
		c			1		4.02											'PT' 13+02.85-52.59 RT	c		
		d							63								S=0.010		d		
		e			1		4.64											'PT' 12+92.94-11.76 LT	e		
		f							21								S=0.010		f		
		g			1		4.57											'PT' 12+94.10-34.43 LT	g		
		h							32								S=0.010		h		
		i									1							'PT' 13+00.42-66.34 LT	i		
D-4	4	j								8	27							j			
		a										57			1			a			
		b																b			
		c														1			c		
		d								5	18								d		
		e			1		3.25											'PT' 14+09.64-52.47 RT	e		
		f							124								S=0.010		f		
		g								1								'PT' 13+64.29-64.19 LT	g		
h									8	27							h				
D-5	5	a													1			a			
		b														35		b			
		c													1			c			
		d														3		d			
		e															59		e		
		f																	f		
		g																	g		
		h								6	21								h		
		i								1								'A1' 249+32.10-76.44 LT	i		
		j							28								S=0.010		j		
		k			1			4.07										'A1' 249+31.79-47.92 LT	k		
		l							74								S=0.010		l		
		m								1								'A1' 249+30.89-27.55 RT	m		
		n									5	18							n		
D-1	6	a												2				a			
		b															87		b		
		c																1	c		
TOTAL			1	8	1	1	53.89	563	5	156	379	57	184	4	5						

NOTES: 1. [N] NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

THIS SHEET ACCURATE FOR DRAINAGE WORK ONLY

DRAINAGE QUANTITIES SCALE : NONE

EFIS 0317000163 CU XX EA 03-2H610

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

 REGISTERED CIVIL ENGINEER
 DECEMBER 29, 2023
 DATE:

DESIGNED: DP
 DRAWN: KIS
 CHECKED: DP
 DATE: 10/05/23
 ROAD NUMBER: 000



COUNTY OF EL DORADO
 DEPARTMENT OF TRANSPORTATION

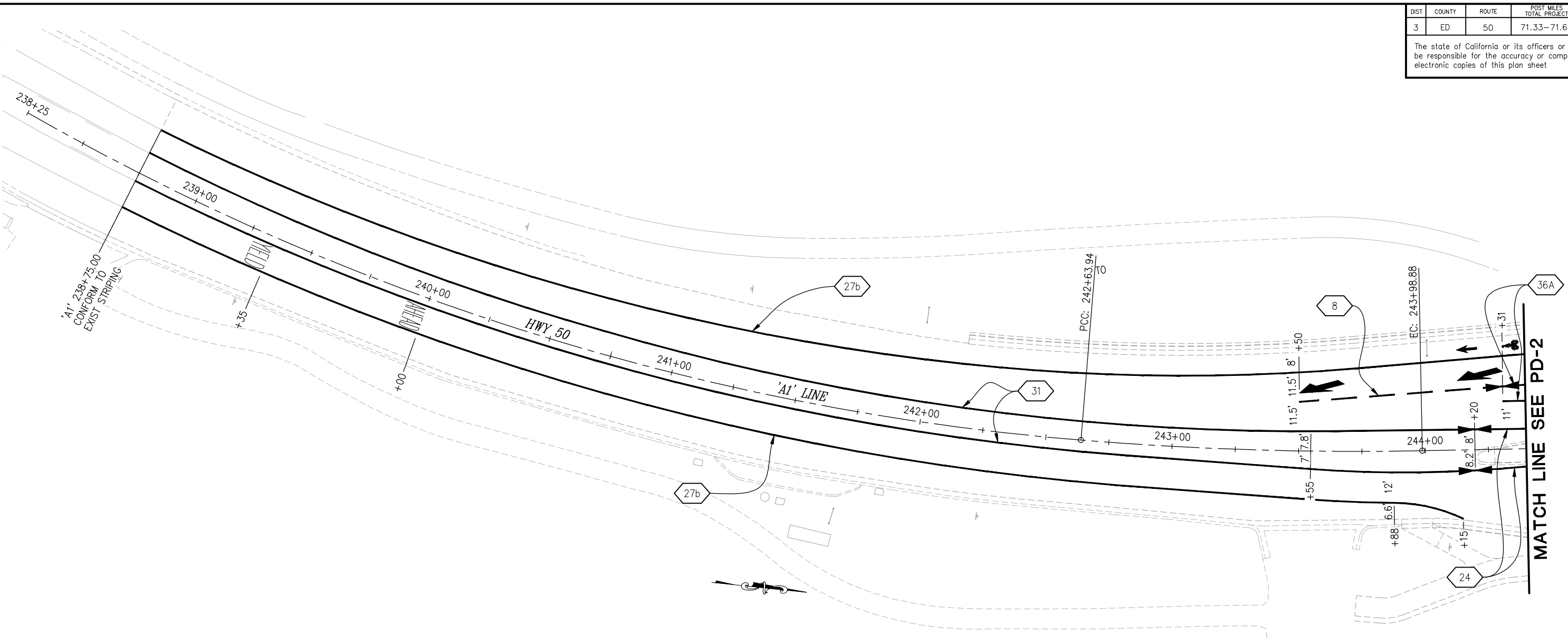
PIONEER TRAIL/US HIGHWAY 50
 INTERSECTION SAFETY
 IMPROVEMENT PROJECT

SHEET
 D-7
 48 OF 94
 W.O. No.
 7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	49	94

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ORIGINAL SCALE IS IN INCHES
Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\PD-Streets.dwg Layout Tab: PD-1 Dec 29, 2023 - 8:04am ksugiyama



STRIPING LEGEND

	- STRIPING DETAIL		- 'YIELD' LEGEND
	- TYPE FH II ARROW		- 'AHEAD' LEGEND
	- TYPE FH IV ARROW		- TYPE I (10')
	- TYPE I (24') ARROW		- BIKE LANE SYMBOL (WITH PERSON)
	- TYPE III ARROW		- DENOTES CHANGE IN STRIPING DETAIL
	- TYPE VI ARROW		

GENERAL NOTES

- PAVEMENT DELINEATION PLANS ARE ACCURATE FOR PERMANENT PAVEMENT DELINEATION ONLY. SEE "SC" SHEETS FOR CONSTRUCTION AREA PAVEMENT DELINEATION.
- ALL STRIPING AND CROSSWALK MARKINGS SHALL BE RECESSED THERMOPLASTIC AND ALL OTHER PAVEMENT MARKINGS AND LIMIT LINES SHALL BE THERMOPLASTIC, UNLESS OTHERWISE NOTED.
- ALL PAVEMENT MARKINGS AT INTERSECTIONS SHALL BE PLACED 8' BEHIND LIMIT LINE.
- ALL PAVEMENT MARKINGS ARE PER CALTRANS STANDARD PLANS AND STRIPING DETAIL 27D, SHT PD-5.
- SEE SHT PD-5 FOR ADDITIONAL STRIPING DETAILS

THIS SHEET ACCURATE FOR PAVEMENT DELINEATION WORK ONLY

PAVEMENT DELINEATION SCALE : 1" = 20'

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

 REGISTERED CIVIL ENGINEER
 DATE: **DECEMBER 29, 2023**

DESIGNED: DP
 DRAWN: SGM
 CHECKED: DP
 DATE: 03/31/23
 ROAD NUMBER: 000



COUNTY OF EL DORADO DEPARTMENT OF TRANSPORTATION

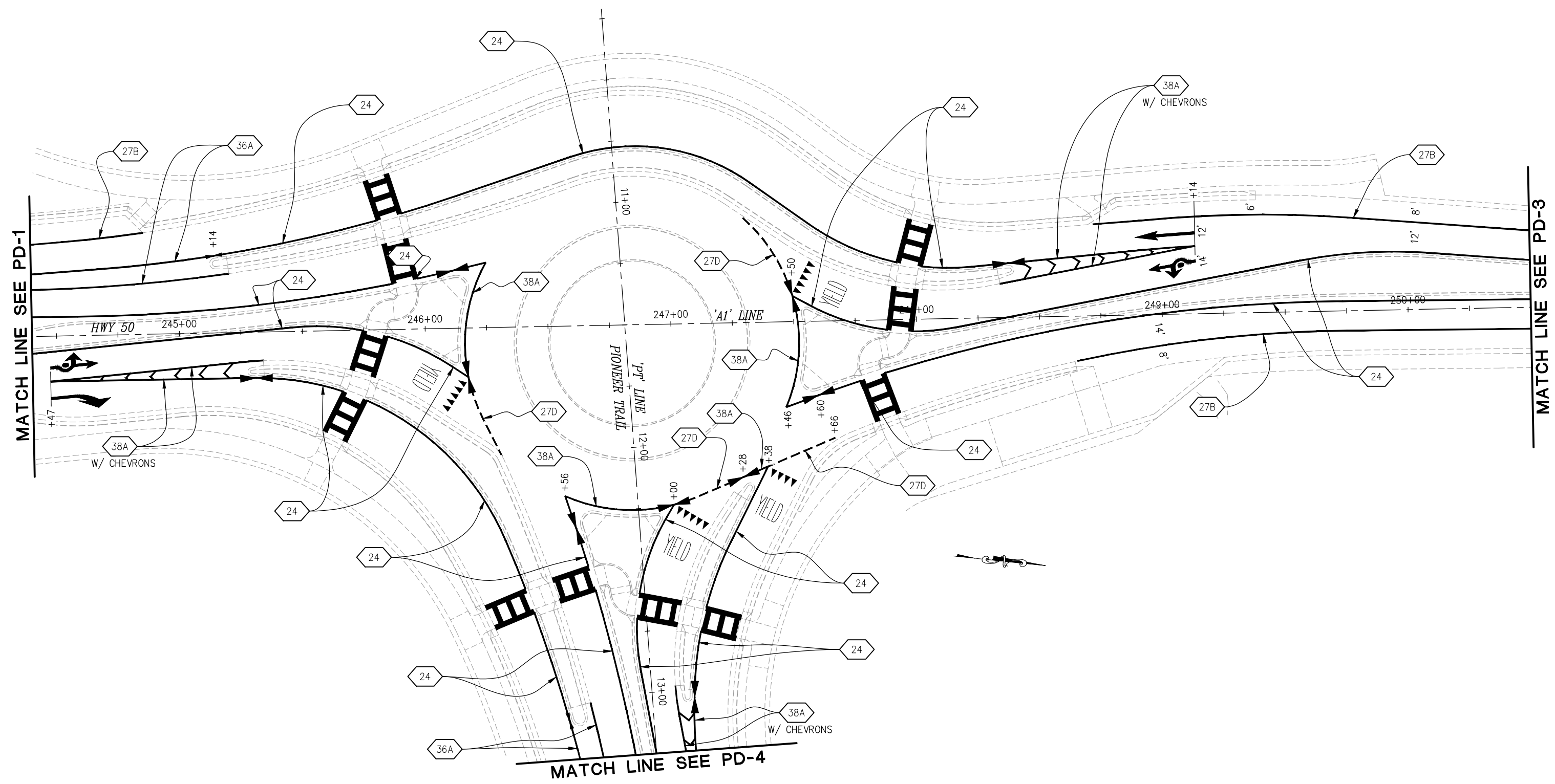
PIONEER TRAIL/US HIGHWAY 50 INTERSECTION SAFETY IMPROVEMENT PROJECT

SHEET **PD-1**
 49 OF 94
 W.O. No. **7614**

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	50	94

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 FOR REDUCED PLANS



REVISION	NUMBER	DATE	DESCRIPTION	BY

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PAVEMENT DELINEATION
SCALE : 1" = 20'

CU XX	EFIS 0317000163	EA 03-2H610
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PREPARED UNDER THE SUPERVISION OF:

 REGISTERED CIVIL ENGINEER
 DATE: **DECEMBER 29, 2023**

DESIGNED: DP
 DRAWN: KIS
 CHECKED: DP
 DATE: 10/05/23
 ROAD NUMBER: 000



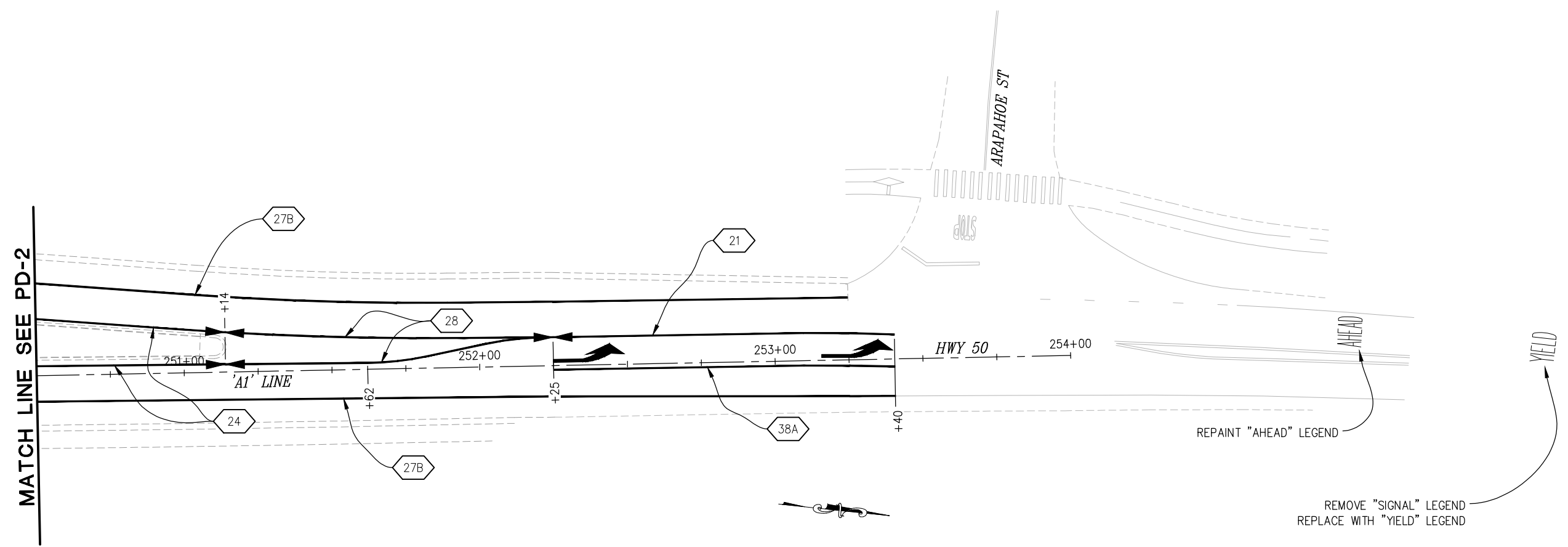
COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT

SHEET
PD-2
 50 OF 94
 W.O. No. **7614**

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	51	94

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MATCH LINE SEE PD-2

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REMOVE "SIGNAL" LEGEND
REPLACE WITH "YIELD" LEGEND

THIS SHEET ACCURATE FOR PAVEMENT DELINEATION WORK ONLY

PAVEMENT DELINEATION
SCALE : 1" = 20'

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF :
[Signature]
REGISTERED CIVIL ENGINEER
DATE: **DECEMBER 29, 2023**

DESIGNED: DP
DRAWN: SMG
CHECKED: DP
DATE: 03/31/23
ROAD NUMBER: 000



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

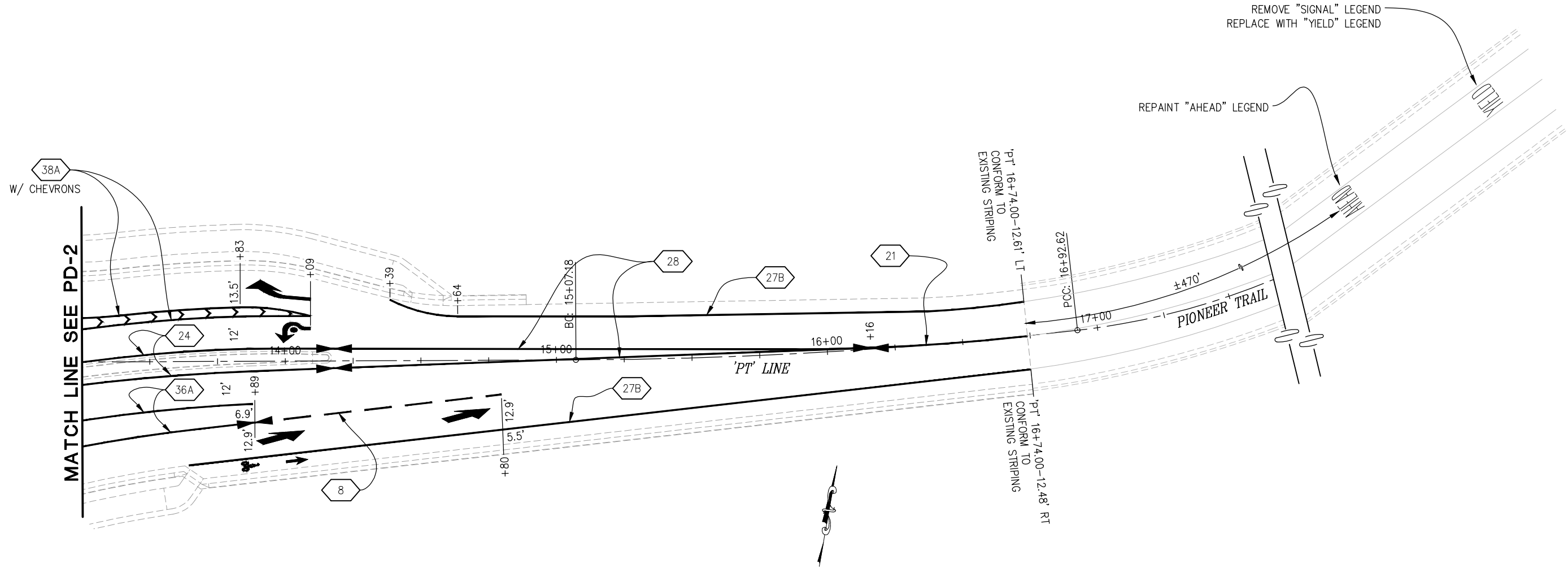
PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT

SHEET
PD-3
51 OF 94
W.O. No. **7614**

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	52	94

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FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\PD-Sheets.dwg Layout Tab: PD-4 Oct 30,2024 - 3:05pm ksugiyama



2
1
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PAVEMENT DELINEATION
SCALE : 1" = 20'

CU XX EFIS 0317000163 EA 03-2H610

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
DATE: **DECEMBER 29, 2023**

DESIGNED: DP
DRAWN: SGM
CHECKED: DP
DATE: 03/31/23
ROAD NUMBER: 000



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

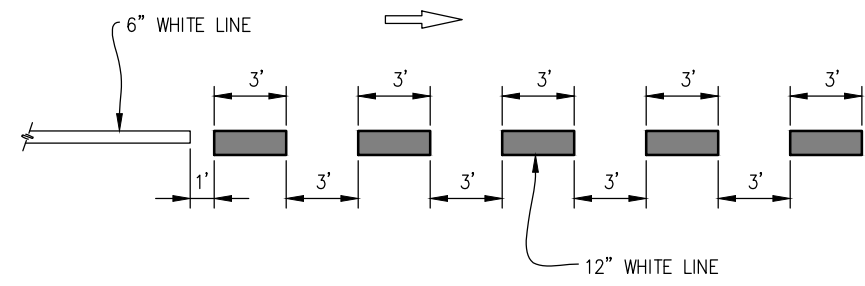
PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT

SHEET
PD-4
52 OF 94
W.O. No. **7614**

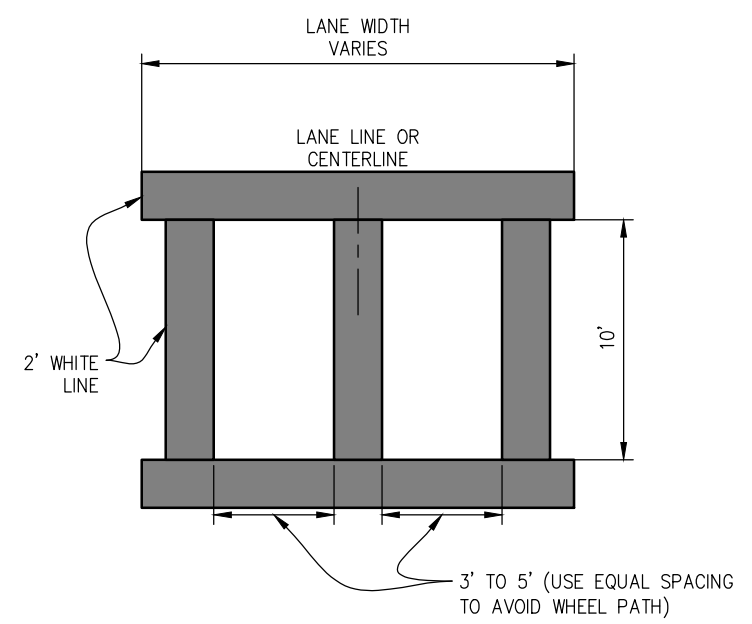
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	53	94

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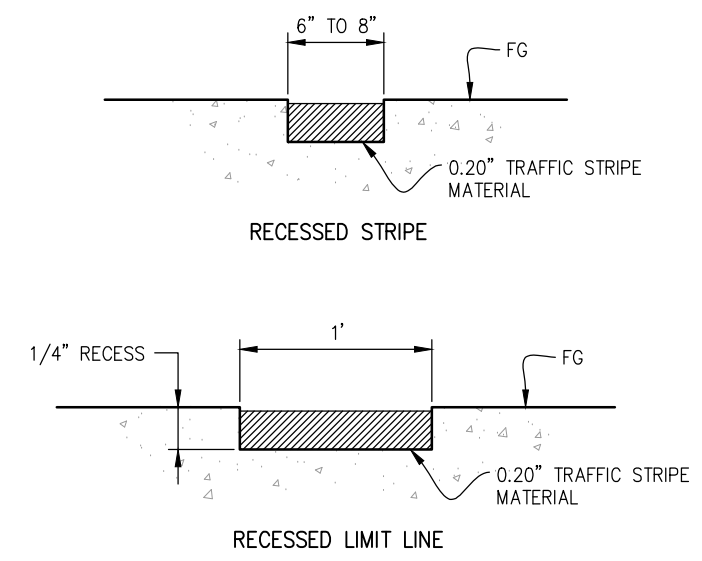
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Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\PD-Sheets.dwg Layout Tab: PD-5 Dec 29, 2023 9:06am ksugiyama



STRIPING DETAIL 27D
NTS



CONTINENTAL CROSSWALK DETAIL
NTS



RECESSED TRAFFIC STRIPE DETAIL
NTS

FOR REDUCED PLANS

THIS SHEET ACCURATE FOR PAVEMENT DELINEATION WORK ONLY

PAVEMENT DELINEATION DETAILS
SCALE : AS SHOWN

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF :
[Signature]
REGISTERED CIVIL ENGINEER
DATE: **DECEMBER 29, 2023**

DESIGNED: DP
DRAWN: KIS
CHECKED: DP
DATE: 10/05/23
ROAD NUMBER: 000



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT

SHEET
PD-5
53 OF 94
W.O. No. **7614**

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	54	94

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THERMOPLASTIC STRIPING & PAVEMENT MARKERS						
STANDARD PLAN NO. OR PLAN SET NO. / DETAIL NO.	PLAN SHEET NO.	FROM	TO	METHYL METHACRYLATE TRAFFIC STRIPE (RECESSED)		REMARKS
				WHITE FT	YELLOW FT	
A20A/DETAIL 8	PD-1	'A1' 243+50 LT	'A1' 244+31 LT	81		
	PD-4	'PT' 13+89 RT	'PT' 14+80 RT	92		
A20A/DETAIL 21	PD-3	'A1' 252+25 LT	'A1' 253+40 LT		232	
	PD-4	'PT' 16+16	'PT' 16+74		116	
A20B/DETAIL 24	PD-1,2	'A1' 244+20 LT	'A1' 246+12 LT		183	
	PD-1,2	'A1' 244+20 RT	'A1' 246+17 RT		193	
	PD-2	'A1' 245+31 RT	'PT' 13+09 RT		187	
	PD-2	'A1' 245+14 LT	'A1' 248+38 LT		322	
	PD-2,3	'A1' 247+50 LT	'A1' 251+14 LT		361	
	PD-2,3	'A1' 247+60 RT	'A1' 251+14 LT		349	
	PD-2,4	'A1' 247+00 RT	'PT' 14+18 LT		189	
	PD-2,4	'PT' 12+31 RT	'PT' 14+18 RT		179	
	PD-2	'A1' 247+38 RT	'PT' 13+03 LT		90	
	A20B/DETAIL 27B	PD-1,2	'A1' 238+75 LT	'A1' 244+86 LT	600	
PD-2,3		'A1' 248+72 LT	'A1' 253+25 LT	454		
PD-1		'A1' 238+75 RT	'A1' 244+15 RT	549		
PD-2,3		'A1' 248+65 RT	'A1' 253+40 RT	476		
PD-4		'PT' 14+39 LT	'PT' 16+74 LT	235		
PD-4		'PT' 13+64 RT	'PT' 16+74 RT	313		
PD-5/DETAIL 27D	PD-2	'A1' 246+17 RT	'A1' 246+30 RT	35		
	PD-2	'A1' 247+00 RT	'A1' 247+28 RT	30		
	PD-2	'A1' 247+38 RT	'A1' 247+66 RT	30		
	PD-2	'A1' 247+30 LT	'A1' 247+50 LT	38		
A20B/DETAIL 28	PD-3	'A1' 251+14 LT	'A1' 252+25 LT		441	
	PD-4	'PT' 14+18	'PT' 16+16		793	
A20B/DETAIL 31	PD-1	'A1' 238+75	'A1' 244+20		2175	
A20C/DETAIL 36A	PD-2,4	'PT' 13+02 RT	'PT' 13+89 RT	167		
	PD-1,2	'A1' 244+31 LT	'A1' 245+21 LT	174		
A20D/DETAIL 38A	PD-2	'A1' 244+47 RT	'A1' 245+34 RT	171		
	PD-2	'A1' 248+34 LT	'A1' 249+14 LT	157		
	PD-2,4	'PT' 12+98 LT	'PT' 14+09 LT	219		
	PD-3	'A1' 252+25 RT	'A1' 253+41 RT	116		
				62		SPLITTER ISLAND 1 NOSE AT ROUNDABOUT
			60		SPLITTER ISLAND 2 NOSE AT ROUNDABOUT	
			61		SPLITTER ISLAND 3 NOSE AT ROUNDABOUT	
SUBTOTAL				4120	5810	
TOTAL				9930		

PAVEMENT MARKING				
DESCRIPTION	THERMOPLASTIC FT2	DETAIL	STANDARD DRAWING	REMARKS
STRAIGHT ARROW	31	TYPE I (24)	A24A	1 @ 31 FT2
STRAIGHT ARROW	28	TYPE I (10)	A24A	2 @ 14 FT2
LEFT TURN ARROW	84	TYPE III (L)	A24B	2 @ 42 FT2
RIGHT TURN ARROW	84	TYPE III (R)	A24B	2 @ 42 FT2
LANE DROP ARROW	168	TYPE VI	A24A	4 @ 42 FT2
STRAIGHT/LEFT (FISH HOOK)	76	TYPE FH II	A24H	2 @ 38 FT2
LEFT (FISH HOOK)	28	TYPE FH IV	A24H	1 @ 28 FT2
YIELD LINE (SHARKS TOOTH)	57	-	A24G	19 @ 3 FT2
CHEVRONS	127	-	A20C	127 LF @ 1' WIDE
CROSSWALK	1526	LADDER	A24F	763 LF @ 2' WIDE
"AHEAD" LEGEND	93	-	A24D	3 @ 31 FT2
"YIELD" LEGEND	168	-	A24D	7 @ 24 FT2
BIKE LANE SYMBOL W/ PERSON	14	(WITH PERSON)	A24C	2 @ 7 FT2
TOTAL	2484			

ORIGINAL SCALE IS IN INCHES
Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\PD-Sheets.dwg Layout Tab: PD-6 Nov 06, 2024 11:50am ksujyym



PAVEMENT DELINEATION QUANTITIES
SCALE : NONE

CU XX	EFIS 0317000163	EA 03-2H610
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REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
DATE: **DECEMBER 29, 2023**

DESIGNED: DP
DRAWN: KIS
CHECKED: DP
DATE: 10/05/23
ROAD NUMBER: 000



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

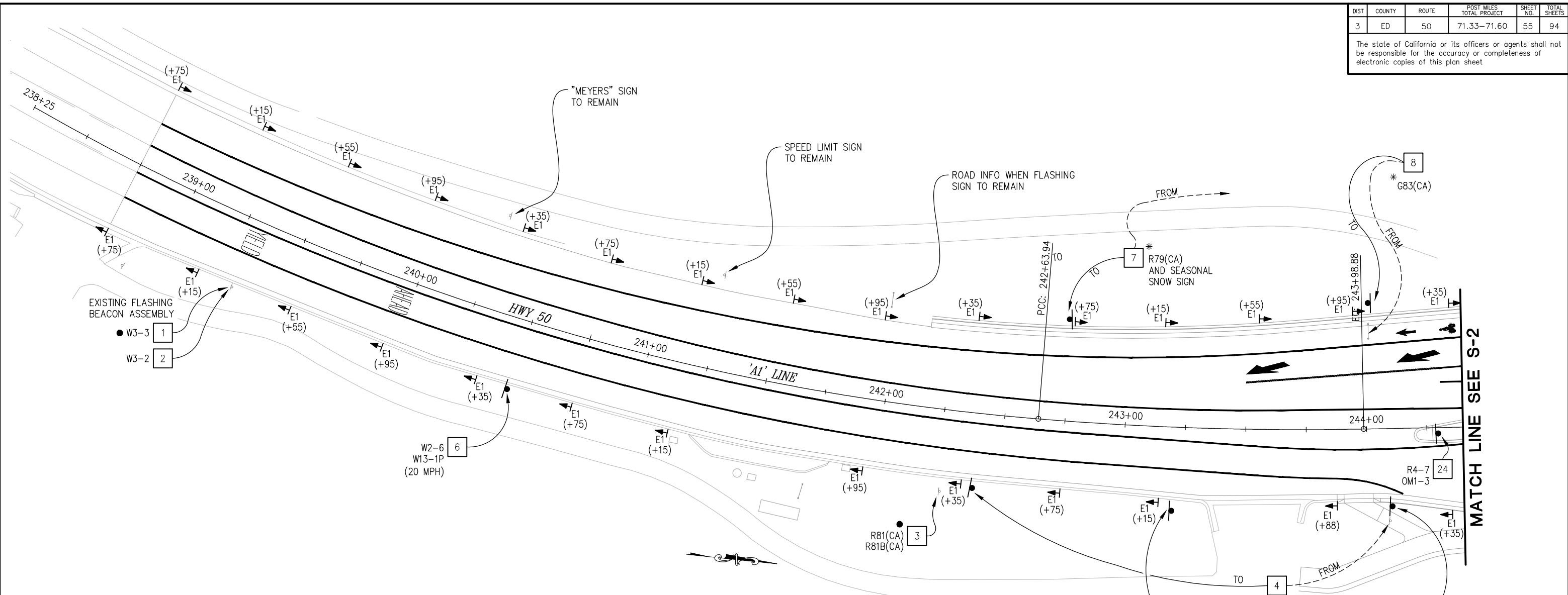
PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT

SHEET
PD-6
54 OF 94
W.O. No. **7614**

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	55	94

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ORIGINAL SCALE IS IN INCHES
FOR REDUCED PLANS
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Layout Tab: S-1
Dec 29, 2023 - 9:51am ksuaiyama

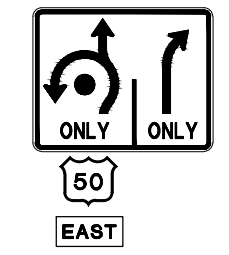


GENERAL NOTES

- SIGNING PLANS ARE ACCURATE FOR PERMANENT SIGNING ONLY. SEE SHEETS CS-1 FOR CONSTRUCTION AREA SIGNS.
- LOCATIONS OF SIGNS SHOWN ARE APPROXIMATE. EXACT LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
- VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES PRIOR TO SIGN POST INSTALLATION.
- ALL PERMANENT SIGNS WILL BE INSTALLED 2.5" X 2.5", 11 GAUGE GALVANIZED POSTS, UNLESS OTHERWISE NOTED.
- POST LENGTHS ARE APPROXIMATE. EXACT LENGTH TO BE DETERMINED BY THE ENGINEER.
- SIGNS SHALL BE LOCATED PER "SIGN LOCATION DETAIL", SHT S-5 AND "PROPOSED LOCATION", SHOWN ON SHT S-5 AND S-6.
- ALL PERMANENT SIGNS SHALL BE 12 GAUGE (0.080") ALUMINUM PANELS.
- ALL EXISTING MARKERS/DELINEATORS WITHIN THE CONSTRUCTION AREA SHALL BE REMOVED AND SALVAGED UNLESS OTHERWISE NOTED.
- ALL CULVERT MARKERS SHALL BE PLACED PER "MARKER (CULVERT)" DETAIL, SHT S-5.
- ANY RELOCATED SIGNS DAMAGED BY THE RELOCATION PROCESS SHALL BE REPLACED AT CONTRACTOR'S EXPENSE. DAMAGED SIGNS ARE TO BE SALVAGED AND RETURNED TO EL DORADO COUNTY.
- ALL EXISTING SIGNS NOT SHOWN FOR REMOVAL, RELOCATION, OR RESETTING SHALL REMAIN IN PLACE.

SIGNING LEGEND

- X — SIGN NUMBER
- — EXIST SIGN
- — INSTALL SIGN
- — EXISTING MARKER/DELINEATOR
- ▶ — PROPOSED MARKER/DELINEATOR
E1 = CLASS 1 DELINEATOR, TYPE E PER A73C
MC = MARKER CULVERT
- — REMOVE AND SALVAGE ROADSIDE SIGN
- * — RELOCATE ROADSIDE SIGN



THIS SHEET ACCURATE FOR SIGNING WORK ONLY

SIGNING SCALE : 1" = 20'

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
DECEMBER 29, 2023
DATE:

DESIGNED: DP
DRAWN: KIS
CHECKED: DP
DATE: 10/05/23
ROAD NUMBER: 000



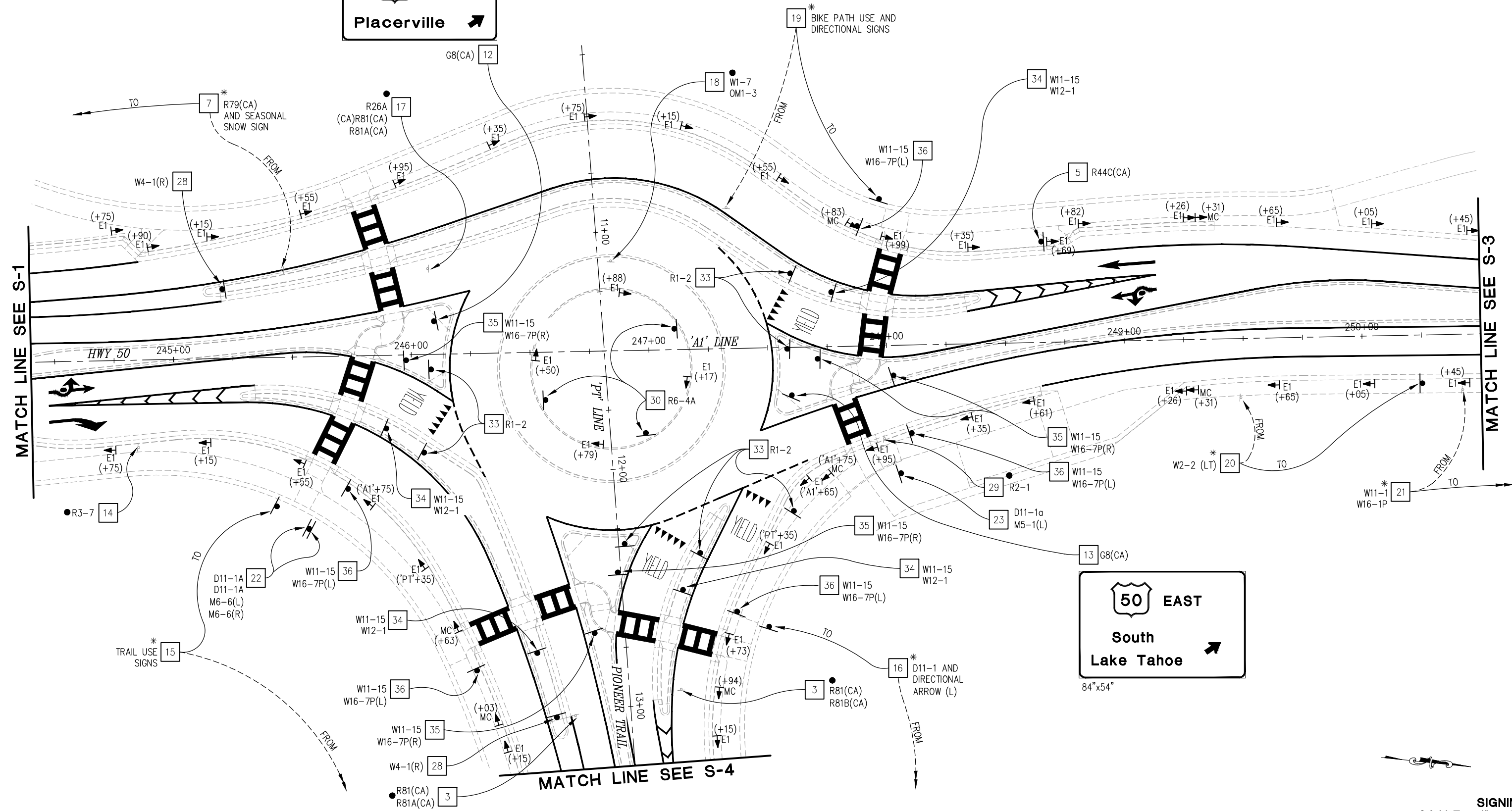
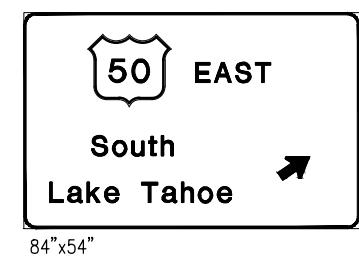
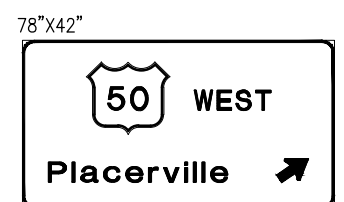
COUNTY OF EL DORADO DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50 INTERSECTION SAFETY IMPROVEMENT PROJECT

SHEET
S-1
55 OF 94
W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	56	94

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ORIGINAL SCALE IS IN INCHES
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 Layout Tab: S-2
 Oct 30, 2024 - 3:16pm kscuyama

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

 REGISTERED CIVIL ENGINEER
 DATE: **DECEMBER 29, 2023**

DESIGNED: DP
 DRAWN: KIS
 CHECKED: DP
 DATE: 10/05/23
 ROAD NUMBER: 000



COUNTY OF EL DORADO DEPARTMENT OF TRANSPORTATION

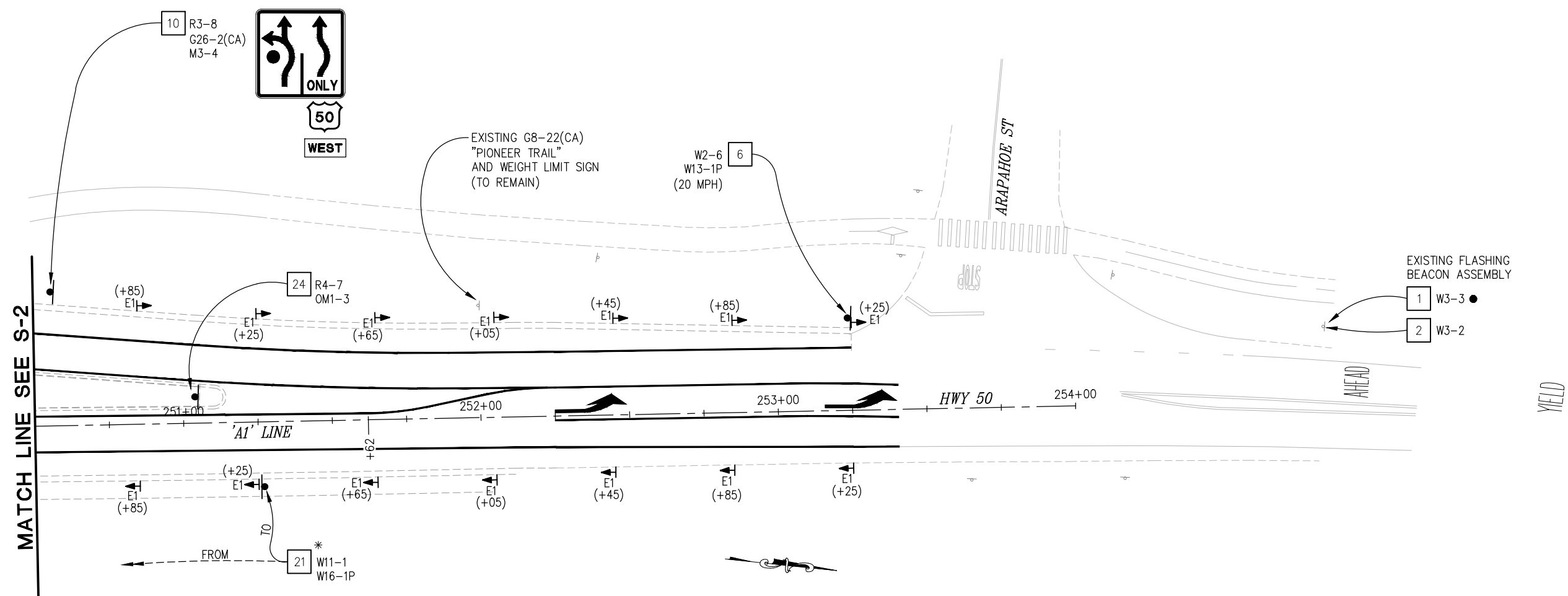
PIONEER TRAIL/US HIGHWAY 50 INTERSECTION SAFETY IMPROVEMENT PROJECT

SHEET **S-2**
 56 OF 94
 W.O. No. **7614**

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	57	94

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2
1
0
 REVISION

NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

 REGISTERED CIVIL ENGINEER
 DATE: **DECEMBER 29, 2023**

DESIGNED: DP
 DRAWN: KIS
 CHECKED: DP
 DATE: 10/05/23
 ROAD NUMBER: 000



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT

SHEET
S-3
 57 OF 94
 W.O. No.
7614

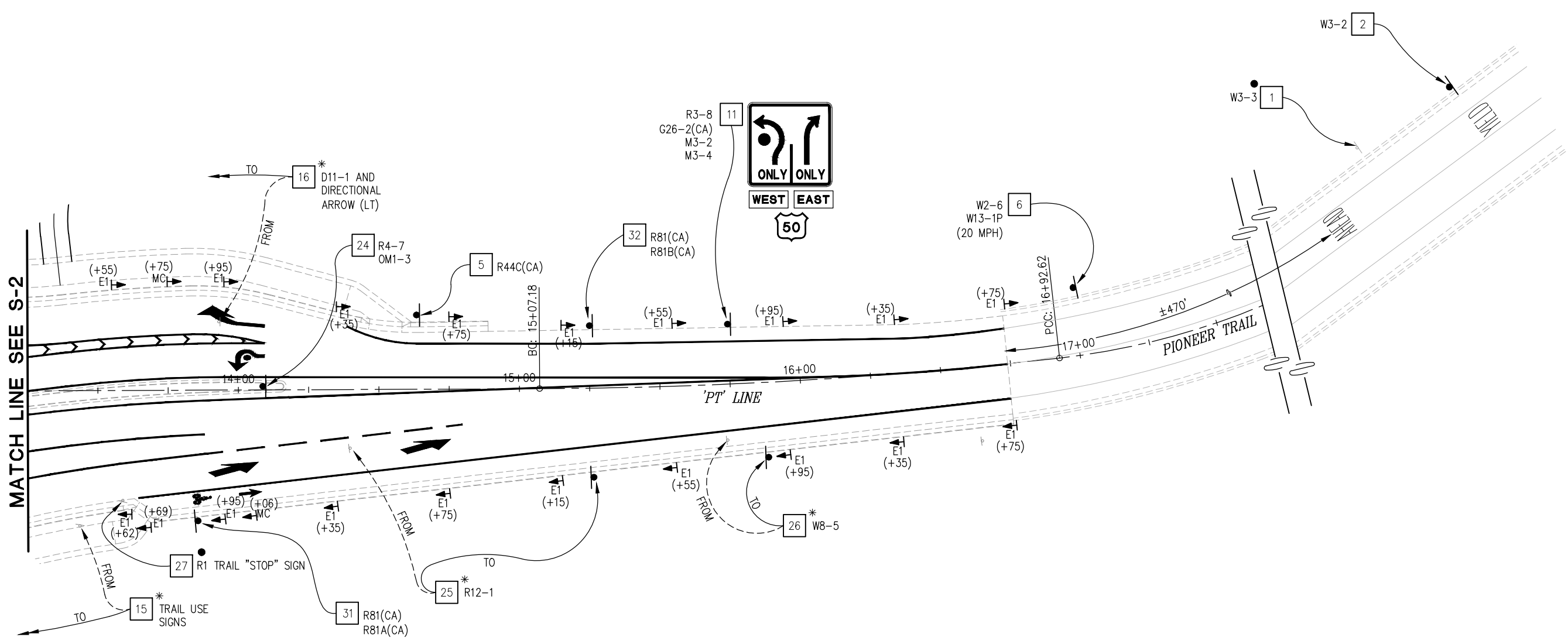
THIS SHEET ACCURATE FOR SIGNING WORK ONLY

CU XX EFIS 0317000163 EA 03-2H610

SIGNING
SCALE : 1" = 20'

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	58	94

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 FOR REDUCED PLANS
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 1
 0

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REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF :

 REGISTERED CIVIL ENGINEER
 DATE: **DECEMBER 29, 2023**

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COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT

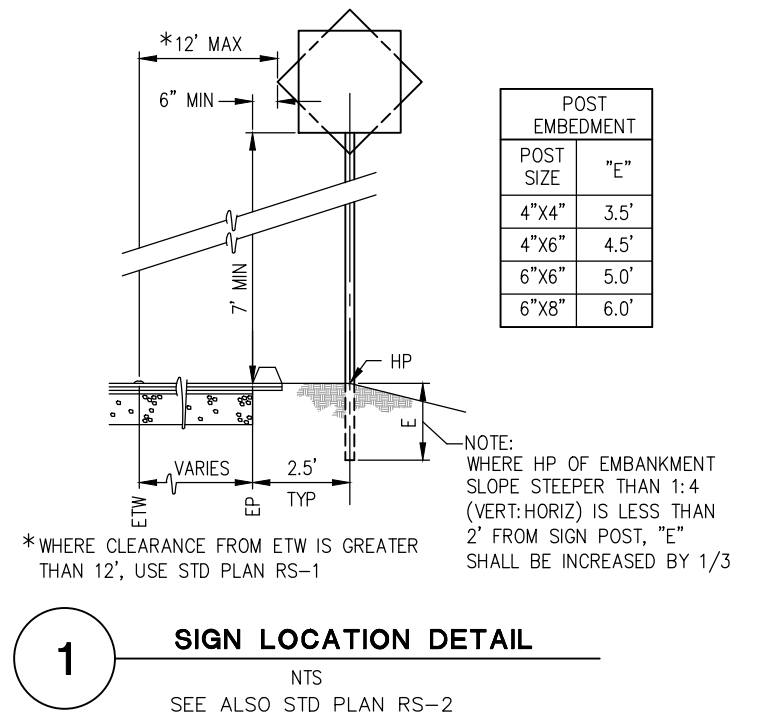
SHEET
S-4
58 OF 94
W.O. No.
7614

ORIGINAL SCALE IS IN INCHES
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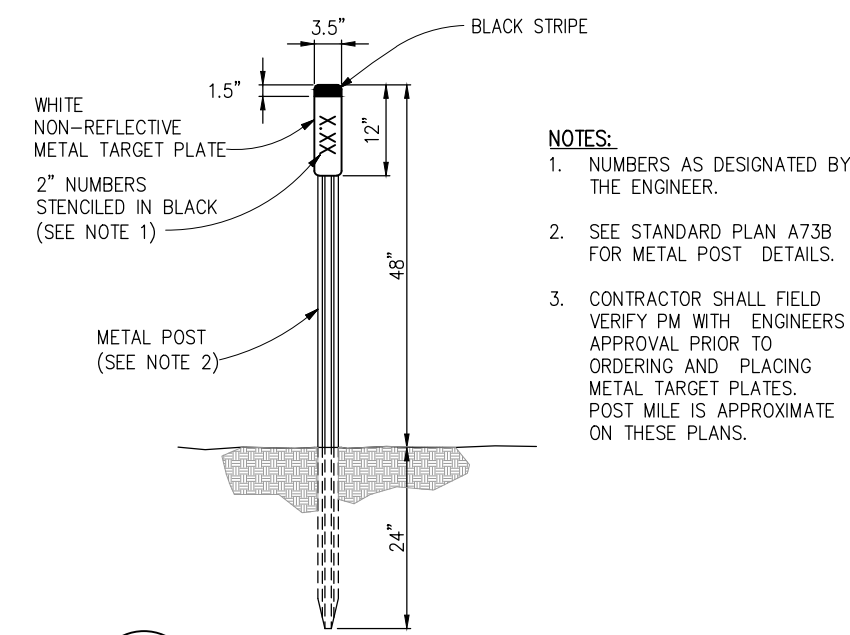
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	59	94

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SIGN NO.	SIGN	CALIFORNIA MUTCD CODE	PANEL SIZE (INCHES)	POST SIZE AND LENGTH		ROADSIDE SIGNS				EXISTING LOCATION	PROPOSED LOCATION (APPROXIMATE)	REMARKS	
				WOOD POST		ONE POST EA	TWO POST EA	RELOCATE EA	REMOVE EA				
				4"x4"	6"x6"								2 1/2"x2 1/2"
1	SIGNAL AHEAD GRAPHIC	W3-3									±'A1' 239+30 RT	REMOVE PANEL ONLY	
											±'A1' 254+85 LT	REMOVE PANEL ONLY	
											±'PT' 21+05 LT		
2	YIELD AHEAD GRAPHIC	W3-2	36X36								±'A1' 239+30 RT	MOUNT ON EXISTING FLASHING BEACON POLE	
											±'A1' 254+85 LT	MOUNT ON EXISTING FLASHING BEACON POLE	
											±'PT' 21+45 LT		
3	BIKE LANE END	R81(CA) R81B(CA)									±'A1' 242+26 RT		
	BIKE LANE END	R81(CA) R81B(CA)									±'PT' 12+95 LT		
	BIKE LANE BEGIN	R81(CA) R81A(CA)									±'PT' 13+01 RT		
4	ROAD NAME WEIGHT LIMIT	G8-1(CA) R36(CA)							1		±'A1' 244+11 RT	±'A1' 242+40 RT	UTILIZE EXISTING METAL POST, SET NEW FOUNDATION
5	BICYCLES MUST EXIT	R44C(CA)	18X18			12	1				±'A1' 244+11 RT		
						12	1				±'A1' 248+67 LT		
						12	1				±'PT' 14+63 LT		
6	ROUNDBOUT GRAPHIC SPEED LIMIT	W2-6 W13-1P (20)	36X36 24X24			14	1				±'A1' 240+50 RT		
						14	1				±'A1' 253+25 LT		
						14	1				±'PT' 17+00 LT		
7	CARRY CHAINS SEASONAL SNOW	R79(CA) SEASONAL SNOW				14	1			1	±'A1' 245+47 LT	±'A1' 242+74 LT	
8	JUNCTION HWY 89	G83(CA)			14					1	±'A1' 244+00 LT	±'A1' 244+00 LT	
9	ADVANCED LANE CONTROL	R3-8 G26-2(CA) M3-2	36X36 24X24 12X24			12	1				±'A1' 243+20 RT		
10	ADVANCED LANE CONTROL	R3-8 G26-2(CA) M3-4	36X36 24X24 12X24			12	1				±'A1' 250+56 LT		
11	ADVANCED LANE CONTROL	R3-8 G26-2(CA) M3-2 & M3-4	36X36 24X24 12X24			12	1				±'PT' 15+75 LT		
12	DESTINATION	G8(CA)	42X78			16				1	±'A1' 246+10 LT		
13	DESTINATION	G8(CA)	54X84			18				1	±'A1' 247+60 RT		
14	LANE CONTROL	R3-7									±'A1' 244+85 RT		
15	TRAIL USE SIGNS				8						±'PT' 13+43 RT	±'A1' 245+42 RT	
16	BIKE ROUTE DIRECTIONAL SIGN	D11-1			12						±'PT' 13+93 LT	±'PT' 12+71 LT	
17	BIKE ROUTE SIGNS	R26A(CA) R81(CA) R81A(CA)									±'A1' 246+08 LT		
18	DOUBLE ARROW DIRECTION OBJECT MARKER	W1-7 OM1-3									±'A1' 246+83 LT		
19	BIKE USE AND DIRECTIONAL SIGNS				10						±'A1' 247+34 LT	±'A1' 247+98 LT	
20	SIDE ROAD	W2-2 (LT)				14	1			1	±'A1' 249+49 RT	±'A1' 250+25 RT	
21	BIKE SYMBOL "SHARE THE ROAD"	W11-1 W16-1P				14	1			1	±'A1' 250+42 RT	±'A1' 251+25 RT	
				SHEET TOTAL		16	3	8	9				



1 SIGN LOCATION DETAIL
NTS
SEE ALSO STD PLAN RS-2



2 MARKER (CULVERT)
NTS

SIGNING QUANTITIES SCALE : NONE

CU XX	EFIS 0317000163	EA 03-2H610
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REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
DATE: **DECEMBER 29, 2023**

DESIGNED: DP
DRAWN: KIS
CHECKED: DP
DATE: 10/05/23
ROAD NUMBER: 000



COUNTY OF EL DORADO DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50 INTERSECTION SAFETY IMPROVEMENT PROJECT

SHEET **S-5**
59 OF 94
W.O. No. **7614**

ORIGINAL SCALE IS IN INCHES
 Drawing name: Z:\Civil_3D\Projects\36104026\Pioneer_Roundabout\CADD\Files\Sheets\S-Sheets.dwg
 Layout Tab: S-6 Dec 29, 2023 10:24am ksujiyama

SIGN QUANTITIES

SIGN NO.	SIGN	CALIFORNIA MUTCD CODE	PANEL SIZE (INCHES)	POST SIZE AND LENGTH			ROADSIDE SIGNS				EXISTING LOCATION	PROPOSED LOCATION (APPROXIMATE)	REMARKS
				WOOD POST		METAL POST	ONE POST EA	TWO POST EA	RELOCATE EA	REMOVE EA			
				4"x4"	6"x6"	2 1/2"x2 1/2"							
22	BIKE ROUTE SIGN DIRECTIONAL ARROW	D11-1A (2 EA) M6-6(L) M6-6(R)	24X24 9X12 9X12	12			1				±'A1' 245+56 RT	SIGNS MOUNTED ON EACH SIDE OF POST	
23	BIKE ROUTE SIGN DIRECTIONAL ARROW	D11-1A M5-1(L)	18X24 15X21	12			1				±'A1' 248+05 RT		
24	"KEEP RIGHT" GRAPHIC OBJECT MARKER	R4-7 OM1-3	24X30 18X18				10				±'A1' 244+30 RT		
							10				±'A1' 251+03 LT		
							10				±'PT' 14+08 LT		
25	WEIGHT LIMIT SIGN	R12-1				14			1	±'PT' 14+40 RT	±'PT' 15+25 RT		
26	SLIPPERY ROAD GRAPHIC	W8-5				14			1	±'PT' 15+73 RT	±'PT' 15+88 RT		
27	TRAIL 'STOP' SIGN	R1									±'PT' 13+59 RT		
28	LANE MERGE	W4-1(R)	36X36				14				±'A1' 245+22 LT		
							14				±'PT' 13+02 RT		
29	SPEED LIMITS SIGN	R2-1								1	±'A1' 247+98 RT		
30	DIRECTIONAL CHEVRONS	R6-4A	24X48				8				±'A1' 246+55 RT		
							8				±'A1' 246+98 RT		
							8				±'A1' 247+12 LT		
31	BIKE LANE BEGINS	R81 R81A	18X24 5X12				12				±'PT' 13+85 RT		
32	BIKE LANE ENDS	R81 R81B	18X24 5X8				12				±'PT' 15+25 LT		
33	'YIELD' SIGN	R1-2	36				12				±'A1' 246+09 RT		
							12				±'A1' 246+04 RT		
							12				±'A1' 247+58 RT		
							12				±'A1' 247+58 LT		
							12				±'PT' 12+32 LT		
							12				±'PT' 12+38 LT		
34	BICYCLE & PED GRAPHIC DOUBLE ARROW	W11-15 W12-1	36X36 24X24				14				±'A1' 245+89 RT		
							14				±'A1' 247+80 LT		
							14				±'PT' 12+53 LT		
							14				±'PT' 12+75 RT		
35	BICYCLE & PED GRAPHIC RIGHT ARROW	W11-15 W16-7P(R)	36X36 18X30				14				±'A1' 245+98 RT		
							14				±'A1' 247+71 RT		
							14				±'A1' 248+02 RT		
							14				±'PT' 12+43 RT		
36	BICYCLE & PED GRAPHIC LEFT ARROW	W11-15 W16-7P(L)	36X36 18X30				14				±'PT' 12+70 RT		
							14				±'A1' 245+73 RT		
							14				±'A1' 247+90 LT		
							14				±'A1' 248+11 RT		
			14				±'PT' 12+64 LT						
			14				±'PT' 12+80 RT						
SHEET TOTAL							35	0	2	2			
SHEET S-5 TOTAL							16	3	8	9			
TOTAL							1	3	10	11			

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	60	94

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DELINEATORS		
LOCATION	QUANTITY	
'A1' 238+75 LT & RT	2	
'A1' 239+15 LT & RT	2	
'A1' 239+55 LT & RT	2	
'A1' 239+95 LT & RT	2	
'A1' 240+35 LT & RT	2	
'A1' 240+75 LT & RT	2	
'A1' 241+15 LT & RT	2	
'A1' 241+55 LT	1	
'A1' 241+95 LT & RT	2	
'A1' 242+15 LT & RT	2	
'A1' 242+55 LT & RT	2	
'A1' 242+95 LT & RT	2	
'A1' 243+15 LT & RT	2	
'A1' 243+55 LT	1	
'A1' 243+88 RT	1	
'A1' 243+95 LT	1	
'A1' 244+35 LT & RT	2	
'A1' 244+75 LT & RT	2	
'A1' 244+90 LT	1	
'A1' 245+15 LT & RT	2	
'A1' 245+55 LT & RT	2	
'A1' 245+75 RT	1	
'A1' 245+95 LT	1	
'A1' 246+50 RT (CENTER ISLAND)	1	
'A1' 246+75 LT	1	
'A1' 246+79 RT (CENTER ISLAND)	1	
'A1' 246+88 LT (CENTER ISLAND)	1	
'A1' 247+15 LT	1	
'A1' 247+17 RT (CENTER ISLAND)	1	
'A1' 247+55 LT	1	
'A1' 247+65 RT	1	
TOTAL		

DELINEATORS		
LOCATION	QUANTITY	
'A1' 247+95 RT	1	
'A1' 247+99 LT	1	
'A1' 248+35 LT & RT	2	
'A1' 248+61 RT	1	
'A1' 248+69 LT	1	
'A1' 248+82 LT	1	
'A1' 249+26 LT & RT	2	
'A1' 249+65 LT & RT	2	
'A1' 250+05 LT & RT	2	
'A1' 250+45 LT & RT	2	
'A1' 250+85 LT & RT	2	
'A1' 251+25 LT & RT	2	
'A1' 251+65 LT & RT	2	
'A1' 252+05 LT & RT	2	
'A1' 252+45 LT & RT	2	
'A1' 252+85 LT & RT	2	
'A1' 253+25 LT & RT	2	
'PT' 12+35 LT & RT	2	
'PT' 12+73 LT	1	
'PT' 13+15 LT & RT	2	
'PT' 13+55 LT	1	
'PT' 13+62 RT	1	
'PT' 13+69 RT	1	
'PT' 13+95 LT & RT	2	
'PT' 14+35 LT & RT	2	
'PT' 13+75 LT & RT	2	
'PT' 13+15 LT & RT	2	
'PT' 13+55 LT & RT	2	
'PT' 13+95 LT & RT	2	
'PT' 14+35 LT & RT	2	
'PT' 14+75 LT & RT	2	
TOTAL		

MARKER (CULVERT)					
NUMERAL ON TARGET PLATE	FACING TRAFFIC		FACING TRAFFIC		LOCATION
	EA		EA		
	E	W	S	N	
1.49	1				'A1' 247+75 RT
1.49				1	'A1' 247+83 LT
1.52				1	'A1' 249+31 RT
1.52			1		'A1' 249+31 RT
NA (PIONEER)		1			'PT' 12+63 RT
NA (PIONEER)	1				'PT' 12+94 LT
NA (PIONEER)		1			'PT' 13+03 RT
NA (PIONEER)	1				'PT' 13+75 LT
NA (PIONEER)		1			'PT' 14+06 RT
SUBTOTAL	3	3	1	2	
TOTAL	9				

SIGNING QUANTITIES SCALE : NONE

CU XX EFIS 0317000163 EA 03-2H610

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

 REGISTERED CIVIL ENGINEER
 DATE: **DECEMBER 29, 2023**

DESIGNED: DP
 DRAWN: KIS
 CHECKED: DP
 DATE: 10/05/23
 ROAD NUMBER: 000



COUNTY OF EL DORADO DEPARTMENT OF TRANSPORTATION

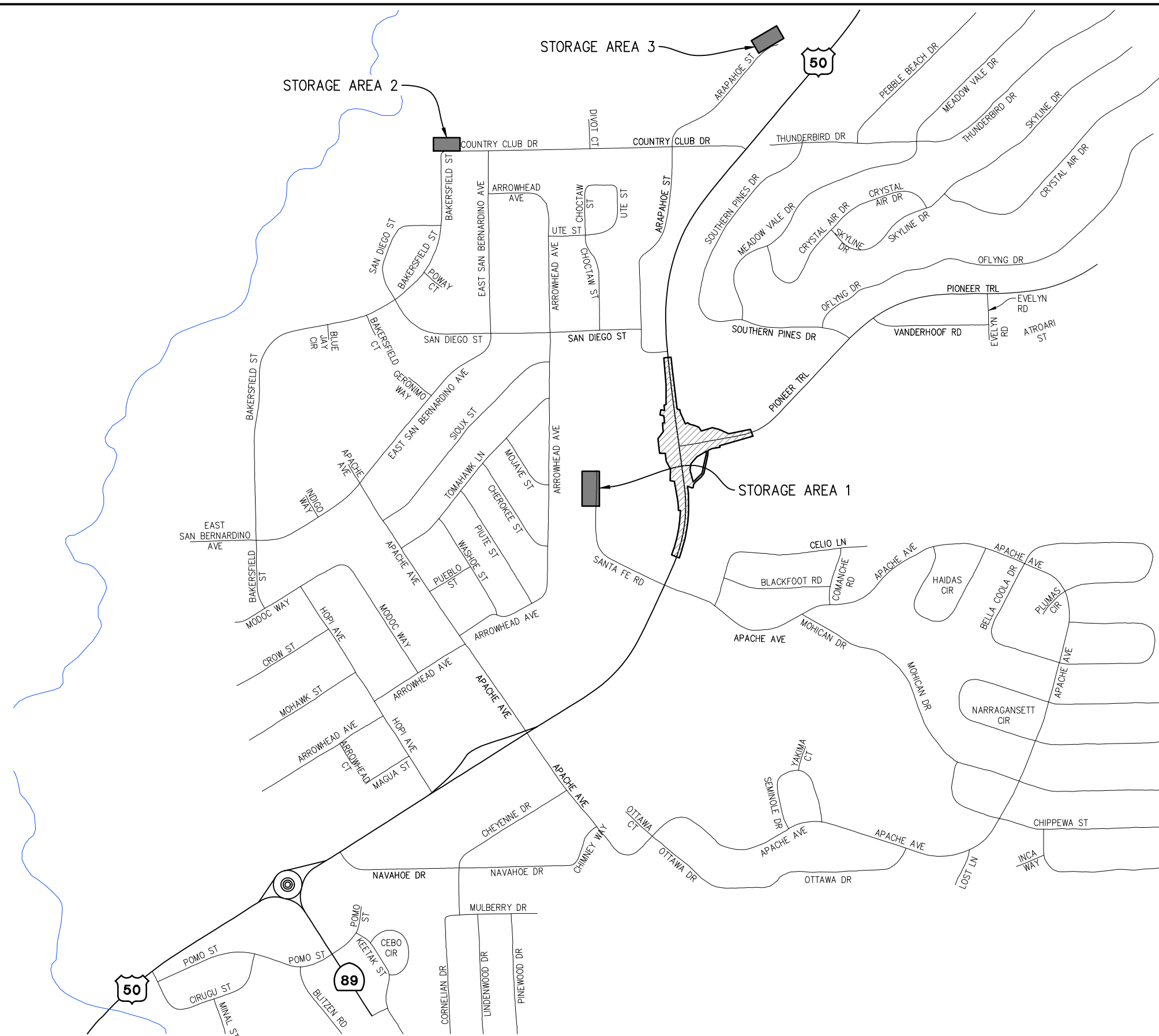
PIONEER TRAIL/US HIGHWAY 50 INTERSECTION SAFETY IMPROVEMENT PROJECT

SHEET **S-6**
 60 OF 94
 W.O. No. **7614**

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	61	94

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ORIGINAL SCALE IS IN INCHES
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 FOR REDUCED PLANS



GENERAL NOTES:

1. STAGING AND STORAGE AREAS TO BE CONTAINED TO PAVED SURFACES.
2. STAGING AND STORAGE AREAS TO BE DELINEATED IN THE FIELD BY ENGINEER.
3. ESA AND RSF QUANTITIES SHOWN ON TH-1

LEGEND:

- PROJECT SITE
- STAGE CONSTRUCTION STORAGE AREAS



STAGE CONSTRUCTION-STORAGE AREAS
SCALE : 1"=400'

CU XX	EFIS 0317000163	EA 03-2H610
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REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

 REGISTERED CIVIL ENGINEER
DECEMBER 29, 2023
 DATE:

DESIGNED: DP
 DRAWN: KIS
 CHECKED: DP
 DATE: 10/05/23
 ROAD NUMBER: 000



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

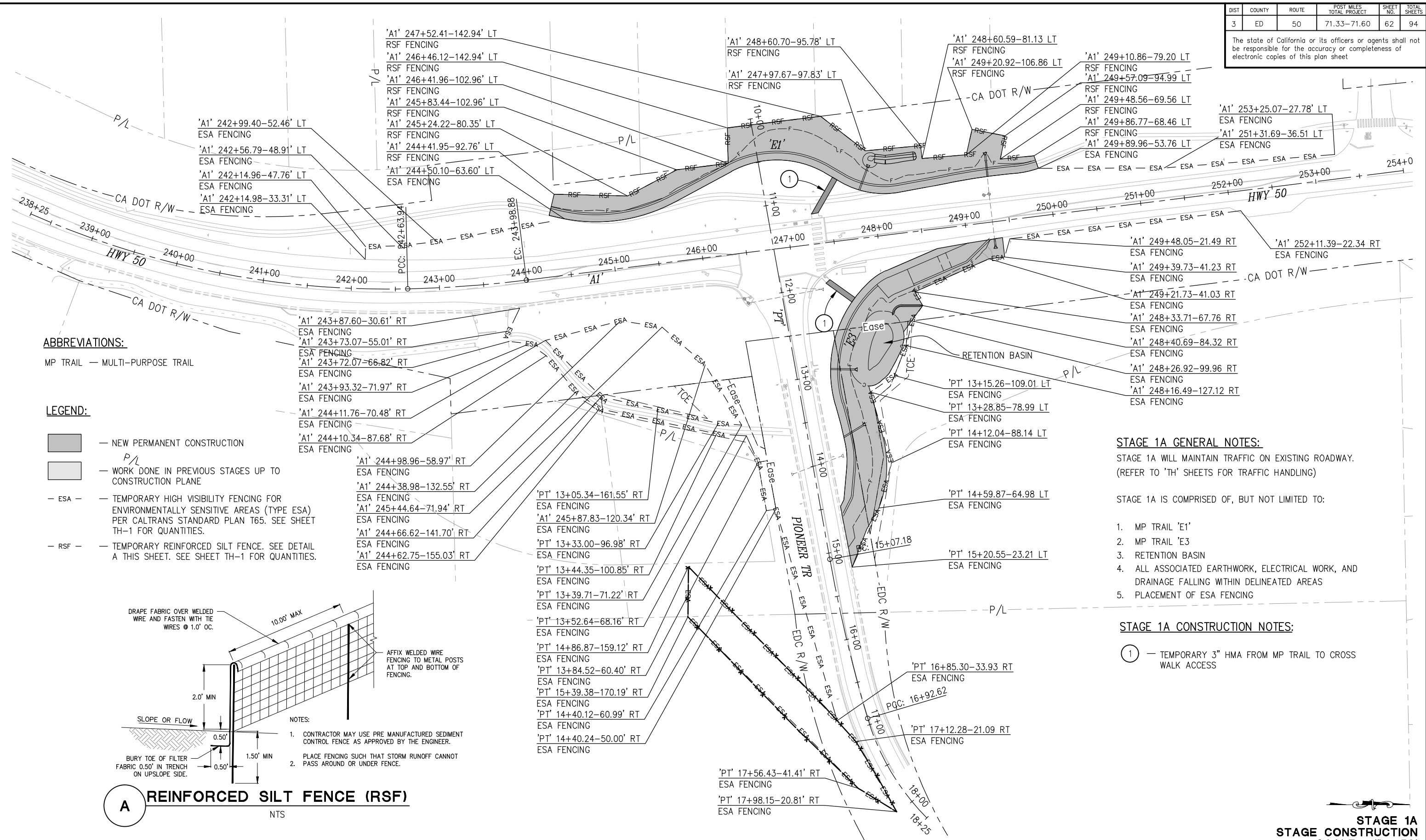
PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT

SHEET
SC-1
 61 OF 94
 W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	62	94

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ORIGINAL SCALE IS IN INCHES
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FOR REDUCED PLANS

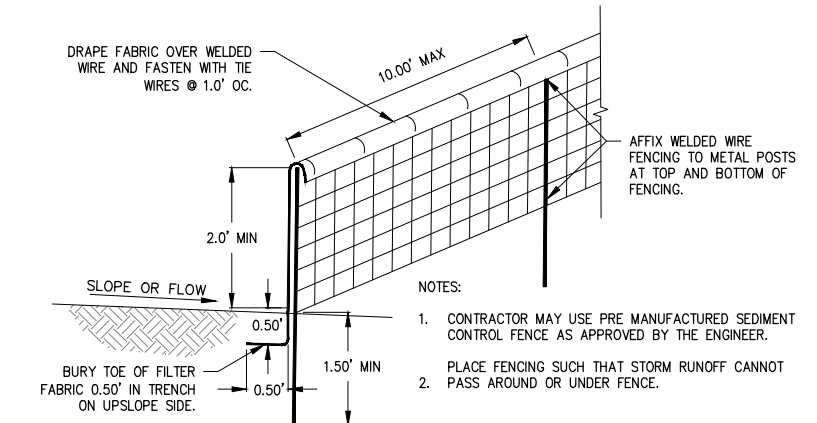


ABBREVIATIONS:

MP TRAIL — MULTI-PURPOSE TRAIL

LEGEND:

- NEW PERMANENT CONSTRUCTION
- WORK DONE IN PREVIOUS STAGES UP TO CONSTRUCTION PLANE
- ESA — TEMPORARY HIGH VISIBILITY FENCING FOR ENVIRONMENTALLY SENSITIVE AREAS (TYPE ESA) PER CALTRANS STANDARD PLAN T65. SEE SHEET TH-1 FOR QUANTITIES.
- RSF — TEMPORARY REINFORCED SILT FENCE. SEE DETAIL A THIS SHEET. SEE SHEET TH-1 FOR QUANTITIES.



A REINFORCED SILT FENCE (RSF)
NTS

STAGE 1A GENERAL NOTES:

STAGE 1A WILL MAINTAIN TRAFFIC ON EXISTING ROADWAY.
(REFER TO 'TH' SHEETS FOR TRAFFIC HANDLING)

STAGE 1A IS COMPRISED OF, BUT NOT LIMITED TO:

1. MP TRAIL 'E1'
2. MP TRAIL 'E3'
3. RETENTION BASIN
4. ALL ASSOCIATED EARTHWORK, ELECTRICAL WORK, AND DRAINAGE FALLING WITHIN DELINEATED AREAS
5. PLACEMENT OF ESA FENCING

STAGE 1A CONSTRUCTION NOTES:

- ① — TEMPORARY 3" HMA FROM MP TRAIL TO CROSS WALK ACCESS

THIS SHEET ACCURATE FOR STAGE CONSTRUCTION WORK ONLY

**STAGE 1A
STAGE CONSTRUCTION
SCALE : 1" = 50'**

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
DECEMBER 29, 2023
DATE:

DESIGNED: DP
DRAWN: KIS
CHECKED: DP
DATE: 10/05/23
ROAD NUMBER: 000



**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

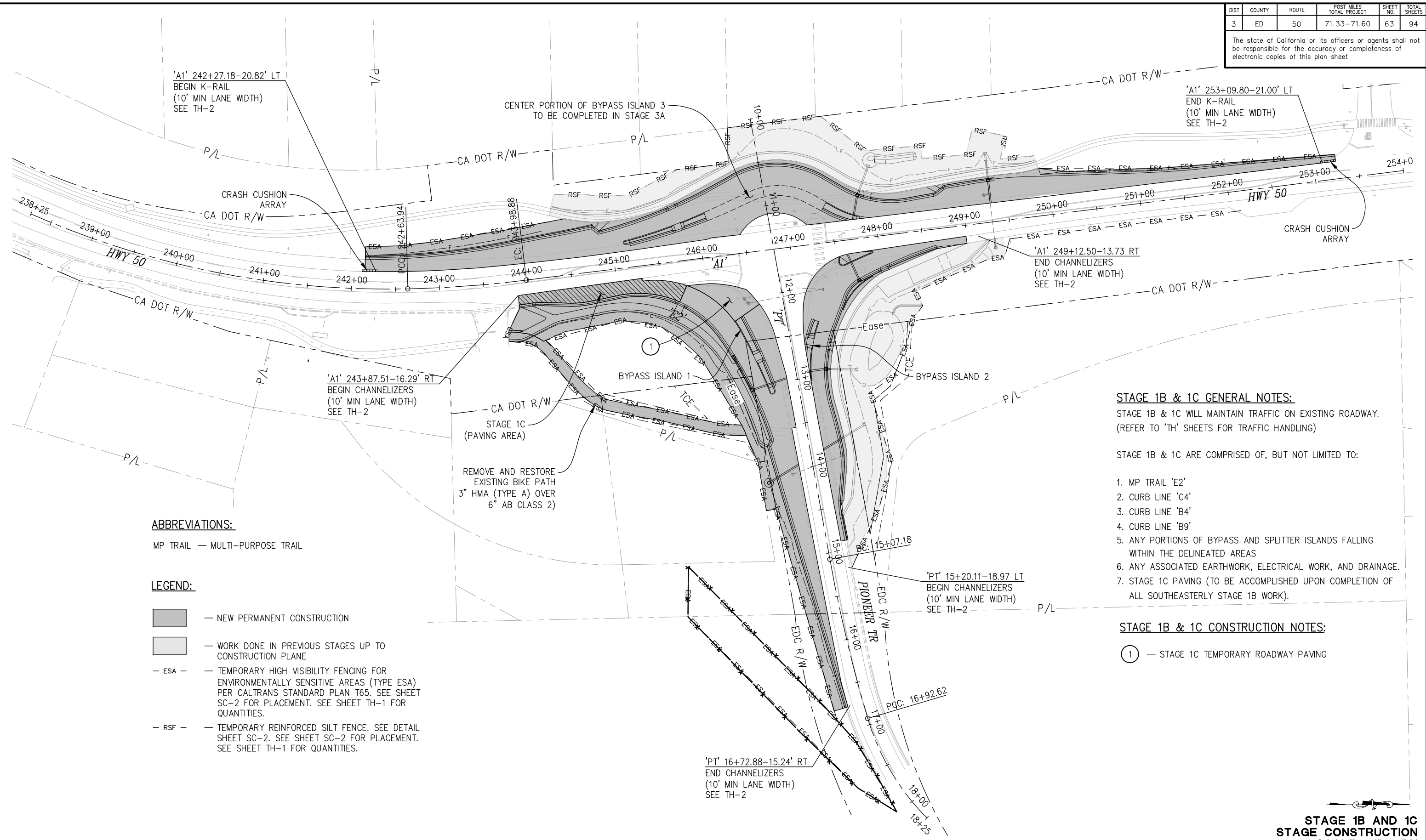
**PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT**

SHEET
SC-2
62 OF 94
W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	63	94

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ABBREVIATIONS:

MP TRAIL — MULTI-PURPOSE TRAIL

LEGEND:

- NEW PERMANENT CONSTRUCTION
- WORK DONE IN PREVIOUS STAGES UP TO CONSTRUCTION PLANE
- ESA — — TEMPORARY HIGH VISIBILITY FENCING FOR ENVIRONMENTALLY SENSITIVE AREAS (TYPE ESA) PER CALTRANS STANDARD PLAN T65. SEE SHEET SC-2 FOR PLACEMENT. SEE SHEET TH-1 FOR QUANTITIES.
- RSF — — TEMPORARY REINFORCED SILT FENCE. SEE DETAIL SHEET SC-2. SEE SHEET TH-1 FOR PLACEMENT. SEE SHEET TH-1 FOR QUANTITIES.

STAGE 1B & 1C GENERAL NOTES:

STAGE 1B & 1C WILL MAINTAIN TRAFFIC ON EXISTING ROADWAY. (REFER TO 'TH' SHEETS FOR TRAFFIC HANDLING)

STAGE 1B & 1C ARE COMPRISED OF, BUT NOT LIMITED TO:

1. MP TRAIL 'E2'
2. CURB LINE 'C4'
3. CURB LINE 'B4'
4. CURB LINE 'B9'
5. ANY PORTIONS OF BYPASS AND SPLITTER ISLANDS FALLING WITHIN THE DELINEATED AREAS
6. ANY ASSOCIATED EARTHWORK, ELECTRICAL WORK, AND DRAINAGE.
7. STAGE 1C PAVING (TO BE ACCOMPLISHED UPON COMPLETION OF ALL SOUTHEASTERLY STAGE 1B WORK).

STAGE 1B & 1C CONSTRUCTION NOTES:

- ① — STAGE 1C TEMPORARY ROADWAY PAVING

THIS SHEET ACCURATE FOR STAGE CONSTRUCTION WORK ONLY

**STAGE 1B AND 1C
STAGE CONSTRUCTION
SCALE : 1" = 50'**

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
DATE: **DECEMBER 29, 2023**

DESIGNED: DP
DRAWN: KIS
CHECKED: DP
DATE: 10/05/23
ROAD NUMBER: 000



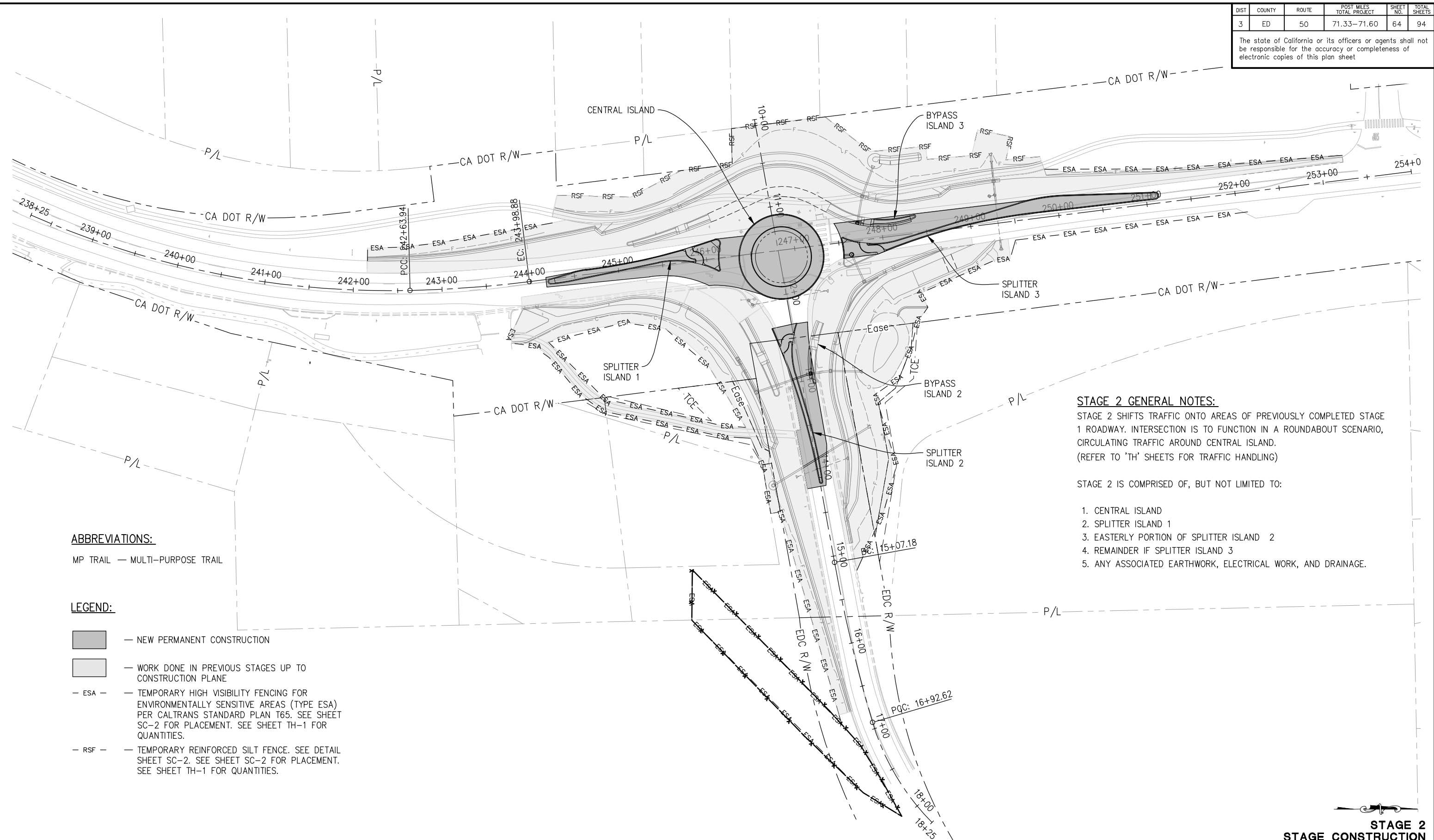
**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

**PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT**

SHEET
SC-3
63 OF 94
W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	64	94

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STAGE 2 GENERAL NOTES:
 STAGE 2 SHIFTS TRAFFIC ONTO AREAS OF PREVIOUSLY COMPLETED STAGE 1 ROADWAY. INTERSECTION IS TO FUNCTION IN A ROUNDABOUT SCENARIO, CIRCULATING TRAFFIC AROUND CENTRAL ISLAND. (REFER TO 'TH' SHEETS FOR TRAFFIC HANDLING)

STAGE 2 IS COMPRISED OF, BUT NOT LIMITED TO:

- CENTRAL ISLAND
- SPLITTER ISLAND 1
- EASTERLY PORTION OF SPLITTER ISLAND 2
- REMAINDER IF SPLITTER ISLAND 3
- ANY ASSOCIATED EARTHWORK, ELECTRICAL WORK, AND DRAINAGE.

ABBREVIATIONS:

MP TRAIL — MULTI-PURPOSE TRAIL

LEGEND:

- NEW PERMANENT CONSTRUCTION
- WORK DONE IN PREVIOUS STAGES UP TO CONSTRUCTION PLANE
- ESA — TEMPORARY HIGH VISIBILITY FENCING FOR ENVIRONMENTALLY SENSITIVE AREAS (TYPE ESA) PER CALTRANS STANDARD PLAN T65. SEE SHEET SC-2 FOR PLACEMENT. SEE SHEET TH-1 FOR QUANTITIES.
- RSF — TEMPORARY REINFORCED SILT FENCE. SEE DETAIL SHEET SC-2. SEE SHEET SC-2 FOR PLACEMENT. SEE SHEET TH-1 FOR QUANTITIES.

THIS SHEET ACCURATE FOR STAGE CONSTRUCTION WORK ONLY

**STAGE 2
 STAGE CONSTRUCTION
 SCALE : 1" = 50'**

ORIGINAL SCALE IS IN INCHES
 Drawing name: Z:\Civil_3D\Projects\36104026\Pioneer_Roundabout\CADD\Files\Sheets\SC-Sheets.dwg Layout Tab: SC-4 Oct 31, 2024 - 9:43am KSugiama

FOR REDUCED PLANS

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

 REGISTERED CIVIL ENGINEER
DECEMBER 29, 2023
 DATE:

DESIGNED: DP
 DRAWN: KIS
 CHECKED: DP
 DATE: 10/05/23
 ROAD NUMBER: 000



**COUNTY OF EL DORADO
 DEPARTMENT OF TRANSPORTATION**

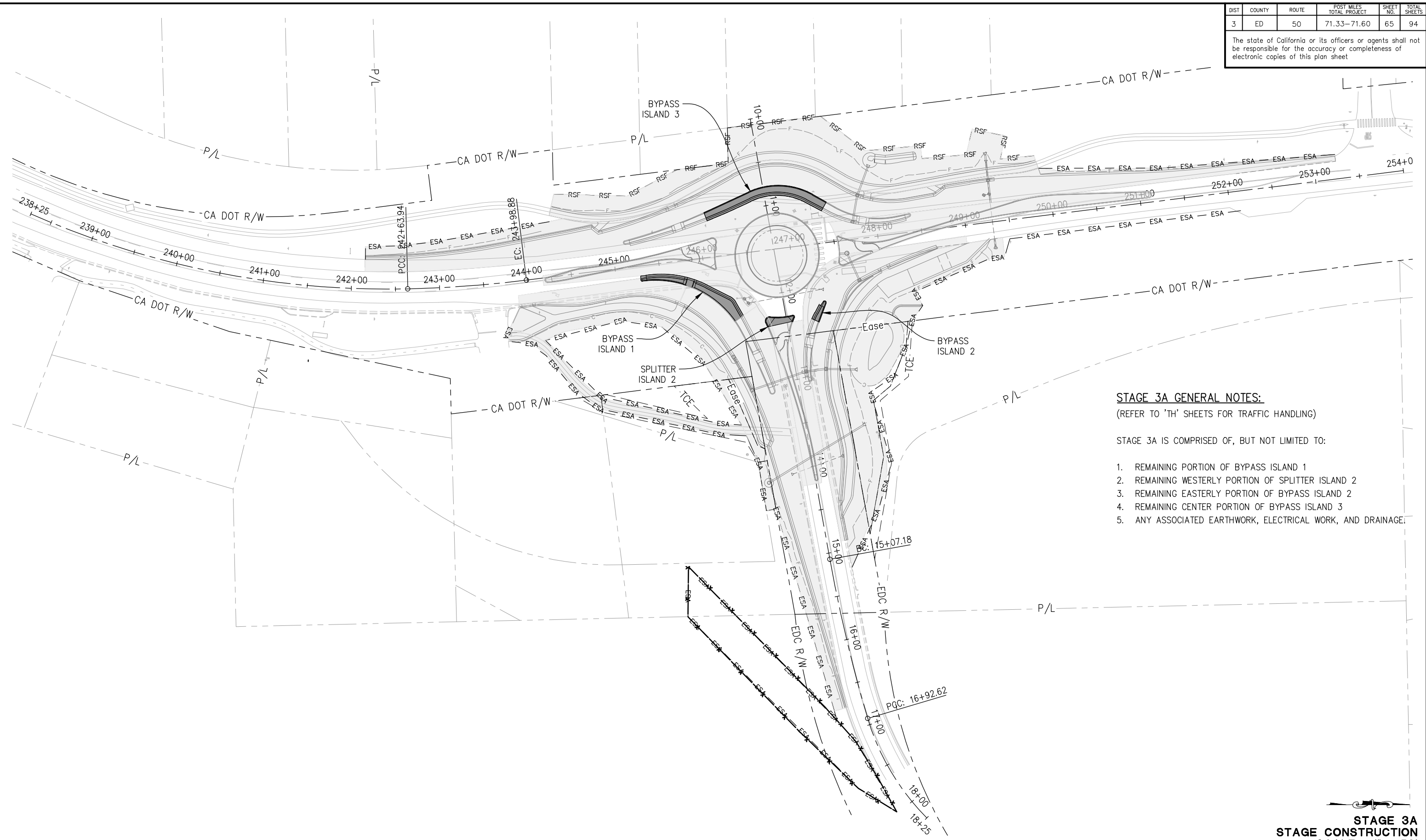
**PIONEER TRAIL/US HIGHWAY 50
 INTERSECTION SAFETY
 IMPROVEMENT PROJECT**

SHEET
SC-4
 64 OF 94
 W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	65	94

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ORIGINAL SCALE IS IN INCHES
Drawing name: Z:\Civil_3D\Projects\36104026\Pioneer_Roundabout\CADD\Files\Sheets\SC- Streets.dwg Layout Tab: SC-5 Oct 31, 2024 - 9:44am KSugiama



- STAGE 3A GENERAL NOTES:**
(REFER TO 'TH' SHEETS FOR TRAFFIC HANDLING)
- STAGE 3A IS COMPRISED OF, BUT NOT LIMITED TO:
1. REMAINING PORTION OF BYPASS ISLAND 1
 2. REMAINING WESTERLY PORTION OF SPLITTER ISLAND 2
 3. REMAINING EASTERLY PORTION OF BYPASS ISLAND 2
 4. REMAINING CENTER PORTION OF BYPASS ISLAND 3
 5. ANY ASSOCIATED EARTHWORK, ELECTRICAL WORK, AND DRAINAGE

THIS SHEET ACCURATE FOR STAGE CONSTRUCTION WORK ONLY

**STAGE 3A
STAGE CONSTRUCTION
SCALE : 1" = 50'**

CU XX EFIS 0317000163 EA 03-2H610

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
DATE: **DECEMBER 29, 2023**

DESIGNED: DP
DRAWN: KIS
CHECKED: DP
DATE: 10/05/23
ROAD NUMBER: 000



**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

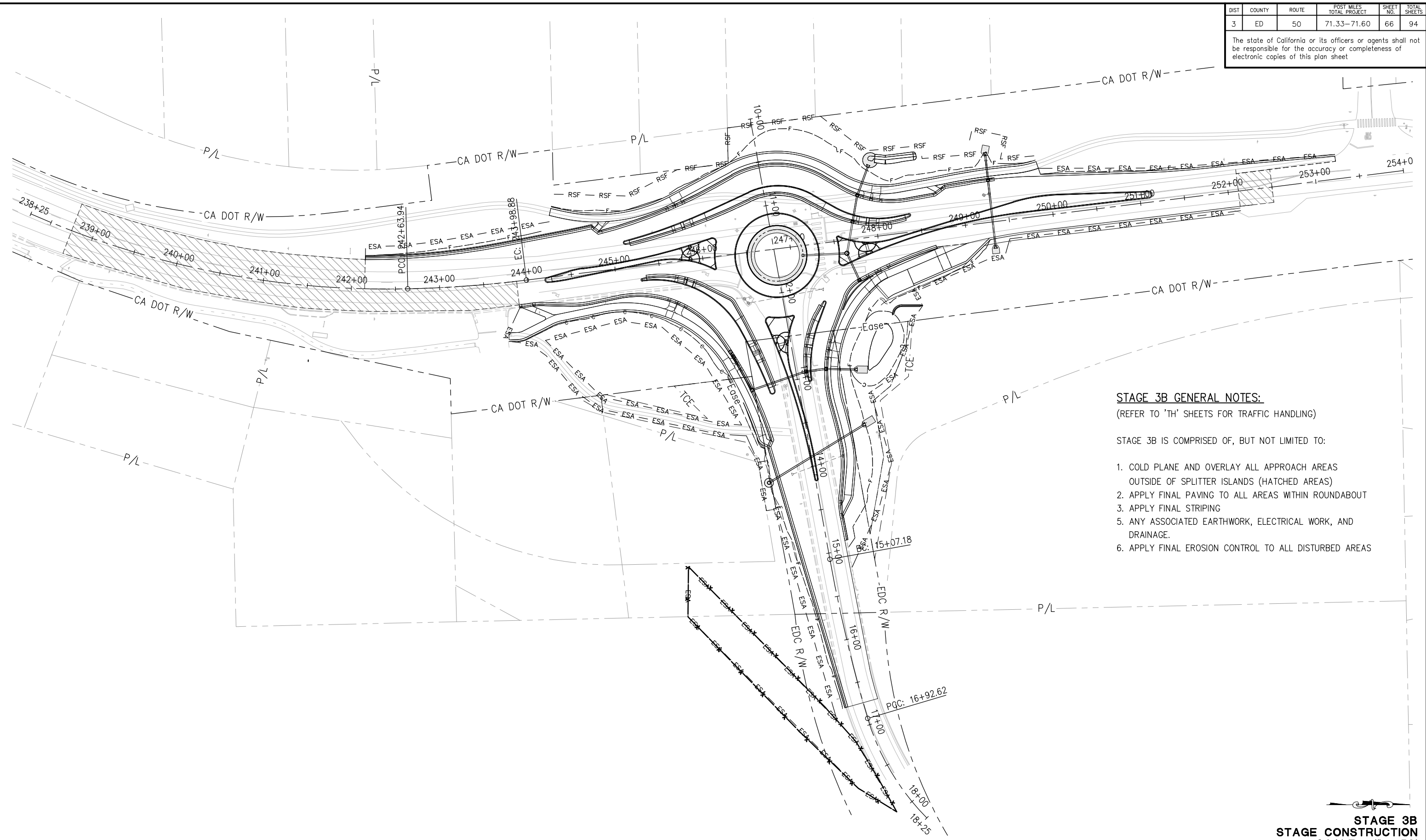
**PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT**

SHEET
SC-5
65 OF 94
W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	66	94

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ORIGINAL SCALE IS IN INCHES
Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\SC- Streets.dwg Layout Tab: SC-6 Oct 31, 2024 - 9:47am KSugiama



- STAGE 3B GENERAL NOTES:**
(REFER TO 'TH' SHEETS FOR TRAFFIC HANDLING)
- STAGE 3B IS COMPRISED OF, BUT NOT LIMITED TO:
1. COLD PLANE AND OVERLAY ALL APPROACH AREAS OUTSIDE OF SPLITTER ISLANDS (HATCHED AREAS)
 2. APPLY FINAL PAVING TO ALL AREAS WITHIN ROUNDABOUT
 3. APPLY FINAL STRIPING
 5. ANY ASSOCIATED EARTHWORK, ELECTRICAL WORK, AND DRAINAGE.
 6. APPLY FINAL EROSION CONTROL TO ALL DISTURBED AREAS

FOR REDUCED PLANS

THIS SHEET ACCURATE FOR STAGE CONSTRUCTION WORK ONLY

**STAGE 3B
STAGE CONSTRUCTION
SCALE : 1" = 50'**

REVISION	NUMBER	DATE	DESCRIPTION	BY



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[Signature]
REGISTERED CIVIL ENGINEER
DATE: **DECEMBER 29, 2023**

DESIGNED: DP
DRAWN: KIS
CHECKED: DP
DATE: 10/05/23
ROAD NUMBER: 000



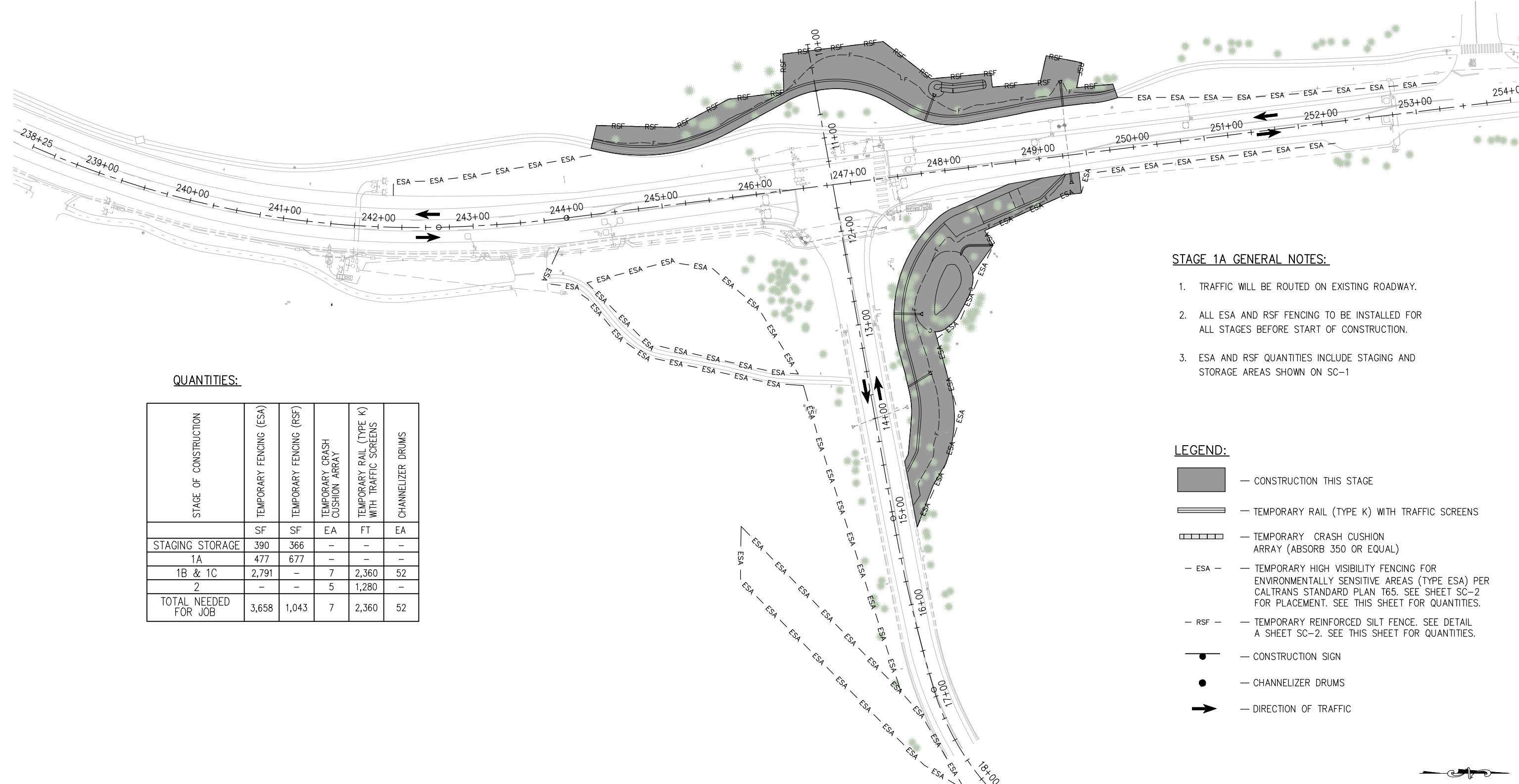
**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

**PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT**

SHEET
SC-6
66 OF 94
W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	67	94

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STAGE 1A GENERAL NOTES:

1. TRAFFIC WILL BE ROUTED ON EXISTING ROADWAY.
2. ALL ESA AND RSF FENCING TO BE INSTALLED FOR ALL STAGES BEFORE START OF CONSTRUCTION.
3. ESA AND RSF QUANTITIES INCLUDE STAGING AND STORAGE AREAS SHOWN ON SC-1

QUANTITIES:

STAGE OF CONSTRUCTION	TEMPORARY FENCING (ESA)	TEMPORARY FENCING (RSF)	TEMPORARY CRASH CUSHION ARRAY	TEMPORARY RAIL (TYPE K) WITH TRAFFIC SCREENS	CHANNELIZER DRUMS
STAGING STORAGE	SF	SF	EA	FT	EA
1A	390	366	-	-	-
1B & 1C	477	677	-	-	-
2	2,791	-	7	2,360	52
TOTAL NEEDED FOR JOB	-	-	5	1,280	-
TOTAL NEEDED FOR JOB	3,658	1,043	7	2,360	52

LEGEND:

- CONSTRUCTION THIS STAGE
- TEMPORARY RAIL (TYPE K) WITH TRAFFIC SCREENS
- TEMPORARY CRASH CUSHION ARRAY (ABSORB 350 OR EQUAL)
- TEMPORARY HIGH VISIBILITY FENCING FOR ENVIRONMENTALLY SENSITIVE AREAS (TYPE ESA) PER CALTRANS STANDARD PLAN T65. SEE SHEET SC-2 FOR PLACEMENT. SEE THIS SHEET FOR QUANTITIES.
- TEMPORARY REINFORCED SILT FENCE. SEE DETAIL A SHEET SC-2. SEE THIS SHEET FOR QUANTITIES.
- CONSTRUCTION SIGN
- CHANNELIZER DRUMS
- DIRECTION OF TRAFFIC

**TRAFFIC HANDLING-STAGE 1A
SCALE : 1"=50'**

CJ XX	EFIS 0317000163	EA 03-2H610
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ORIGINAL SCALE IS IN INCHES
Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\TH- Streets.dwg Layout Tab: TH-1 Nov 01, 2024 - 2:38pm dplaraon

FOR REDUCED PLANS

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
DATE: **DECEMBER 29, 2023**

DESIGNED: DP
DRAWN: KIS
CHECKED: DP
DATE: 10/05/23
ROAD NUMBER: 000



**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

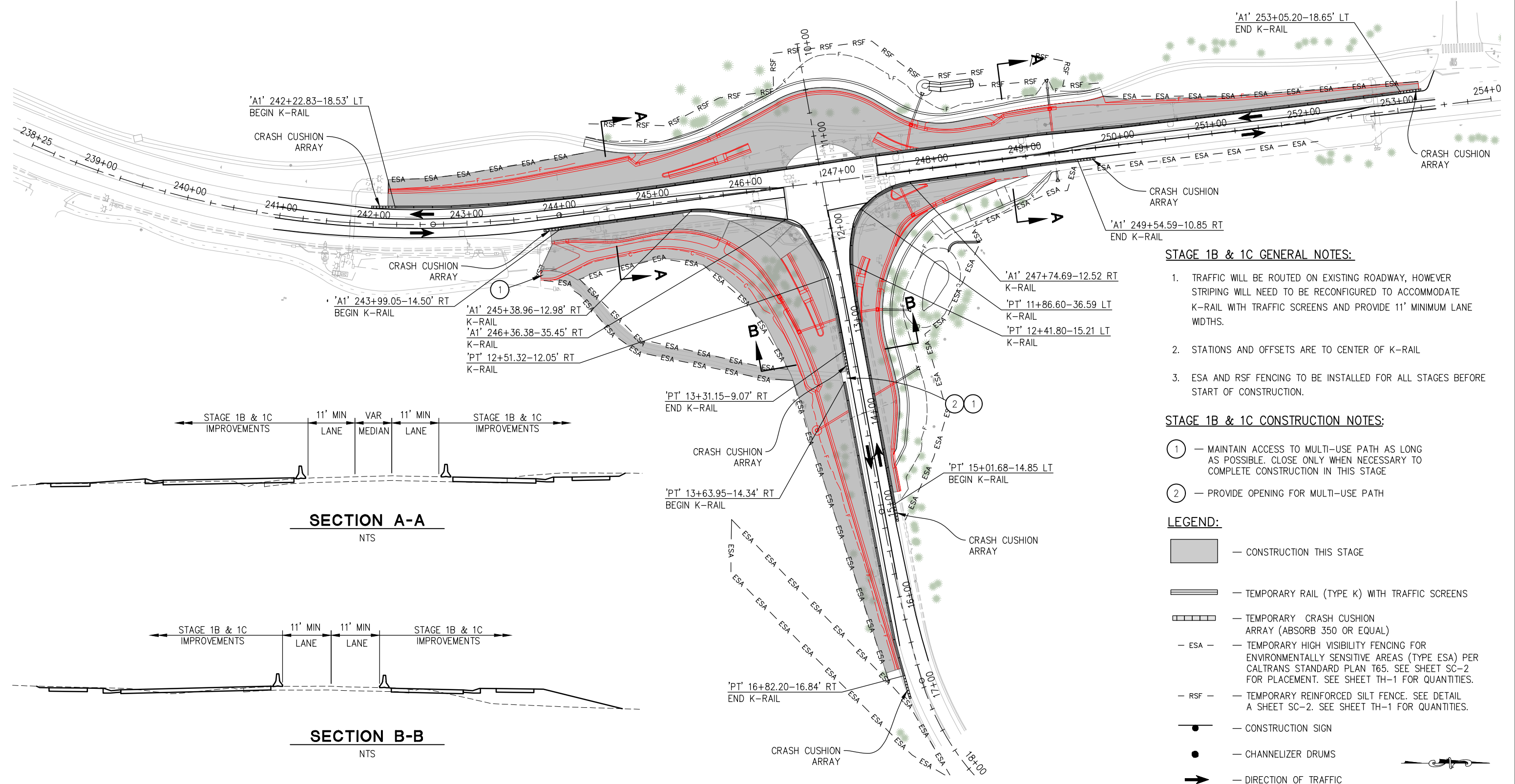
**PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT**

SHEET
TH-1
67 OF 94
W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	68	94

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FOR REDUCED PLANS



- STAGE 1B & 1C GENERAL NOTES:**
- TRAFFIC WILL BE ROUTED ON EXISTING ROADWAY, HOWEVER STRIPING WILL NEED TO BE RECONFIGURED TO ACCOMMODATE K-RAIL WITH TRAFFIC SCREENS AND PROVIDE 11' MINIMUM LANE WIDTHS.
 - STATIONS AND OFFSETS ARE TO CENTER OF K-RAIL
 - ESA AND RSF FENCING TO BE INSTALLED FOR ALL STAGES BEFORE START OF CONSTRUCTION.

- STAGE 1B & 1C CONSTRUCTION NOTES:**
- MAINTAIN ACCESS TO MULTI-USE PATH AS LONG AS POSSIBLE. CLOSE ONLY WHEN NECESSARY TO COMPLETE CONSTRUCTION IN THIS STAGE
 - PROVIDE OPENING FOR MULTI-USE PATH

- LEGEND:**
- CONSTRUCTION THIS STAGE
 - TEMPORARY RAIL (TYPE K) WITH TRAFFIC SCREENS
 - TEMPORARY CRASH CUSHION ARRAY (ABSORB 350 OR EQUAL)
 - TEMPORARY HIGH VISIBILITY FENCING FOR ENVIRONMENTALLY SENSITIVE AREAS (TYPE ESA) PER CALTRANS STANDARD PLAN T65. SEE SHEET SC-2 FOR PLACEMENT. SEE SHEET TH-1 FOR QUANTITIES.
 - TEMPORARY REINFORCED SILT FENCE. SEE DETAIL A SHEET SC-2. SEE SHEET TH-1 FOR QUANTITIES.
 - CONSTRUCTION SIGN
 - CHANNELIZER DRUMS
 - DIRECTION OF TRAFFIC

**TRAFFIC HANDLING-STAGE 1B & 1C
SCALE : NONE**

CJ XX	EFIS 0317000163	EA 03-2H610
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REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
DATE: **DECEMBER 29, 2023**

DESIGNED: DP
DRAWN: KIS
CHECKED: DP
DATE: 10/05/23
ROAD NUMBER: 000



**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

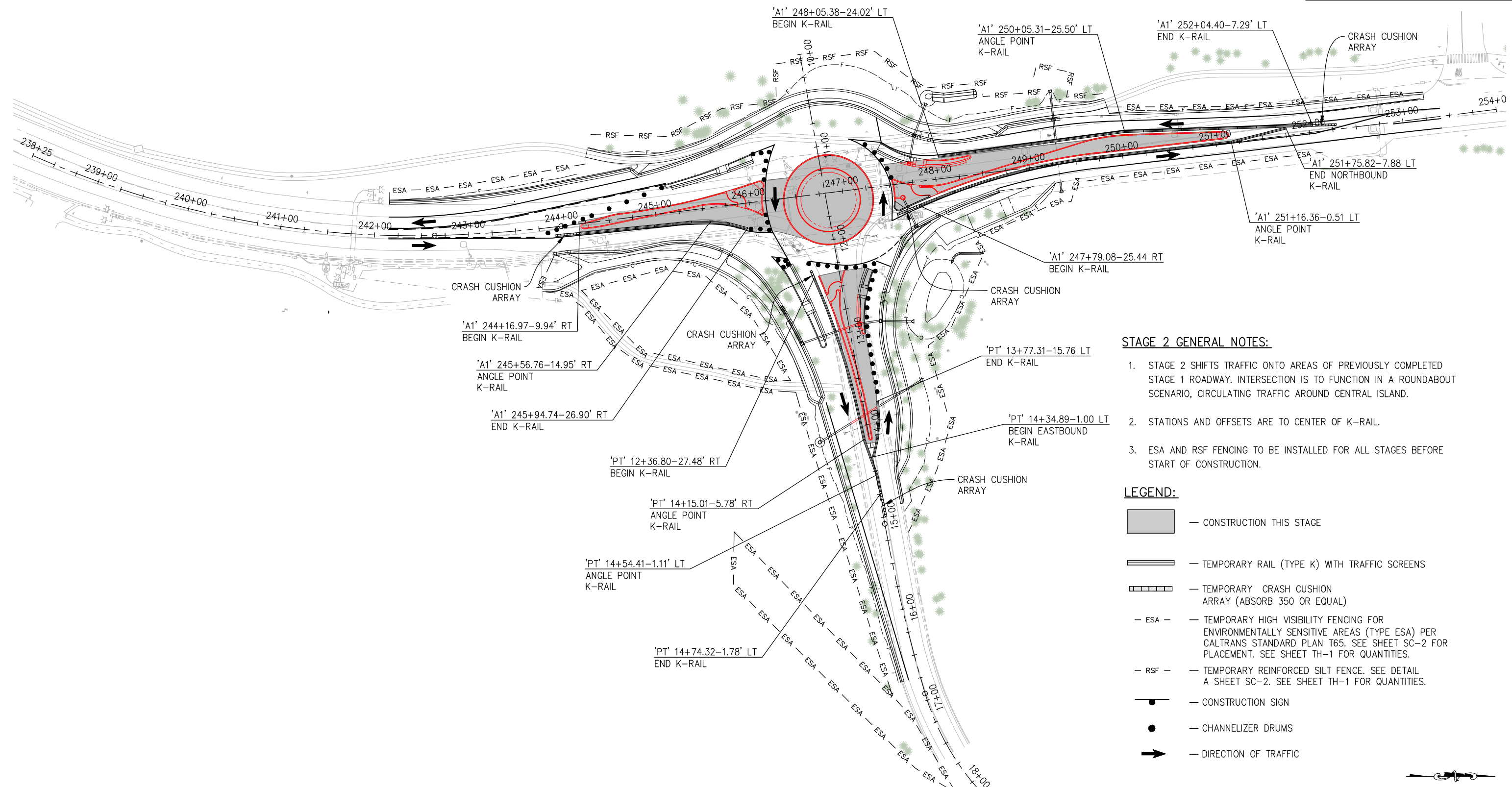
**PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT**

SHEET
TH-2
68 OF 94
W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	69	94

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ORIGINAL SCALE IS IN INCHES
Drawing name: Z:\Civil_3D\Projects\36104026\Pioneer_Roundabout\CADD\Files\Sheets\TH-3\Streets.dwg Layout Tab: TH-3 Oct 31, 2024 1:34pm dpalarcon



STAGE 2 GENERAL NOTES:

1. STAGE 2 SHIFTS TRAFFIC ONTO AREAS OF PREVIOUSLY COMPLETED STAGE 1 ROADWAY. INTERSECTION IS TO FUNCTION IN A ROUNDABOUT SCENARIO, CIRCULATING TRAFFIC AROUND CENTRAL ISLAND.
2. STATIONS AND OFFSETS ARE TO CENTER OF K-RAIL.
3. ESA AND RSF FENCING TO BE INSTALLED FOR ALL STAGES BEFORE START OF CONSTRUCTION.

LEGEND:

- CONSTRUCTION THIS STAGE
- TEMPORARY RAIL (TYPE K) WITH TRAFFIC SCREENS
- TEMPORARY CRASH CUSHION ARRAY (ABSORB 350 OR EQUAL)
- ESA — TEMPORARY HIGH VISIBILITY FENCING FOR ENVIRONMENTALLY SENSITIVE AREAS (TYPE ESA) PER CALTRANS STANDARD PLAN T65. SEE SHEET SC-2 FOR PLACEMENT. SEE SHEET TH-1 FOR QUANTITIES.
- RSF — TEMPORARY REINFORCED SILT FENCE. SEE DETAIL A SHEET SC-2. SEE SHEET TH-1 FOR QUANTITIES.
- CONSTRUCTION SIGN
- CHANNELIZER DRUMS
- DIRECTION OF TRAFFIC

**TRAFFIC HANDLING-STAGE 2
SCALE : NONE**

CJ XX	EFIS 0317000163	EA 03-2H610
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REVISION	NUMBER	DATE	DESCRIPTION	BY



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REGISTERED CIVIL ENGINEER
DATE: **DECEMBER 29, 2023**

DESIGNED: DP
DRAWN: KIS
CHECKED: DP
DATE: 10/05/23
ROAD NUMBER: 000



**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

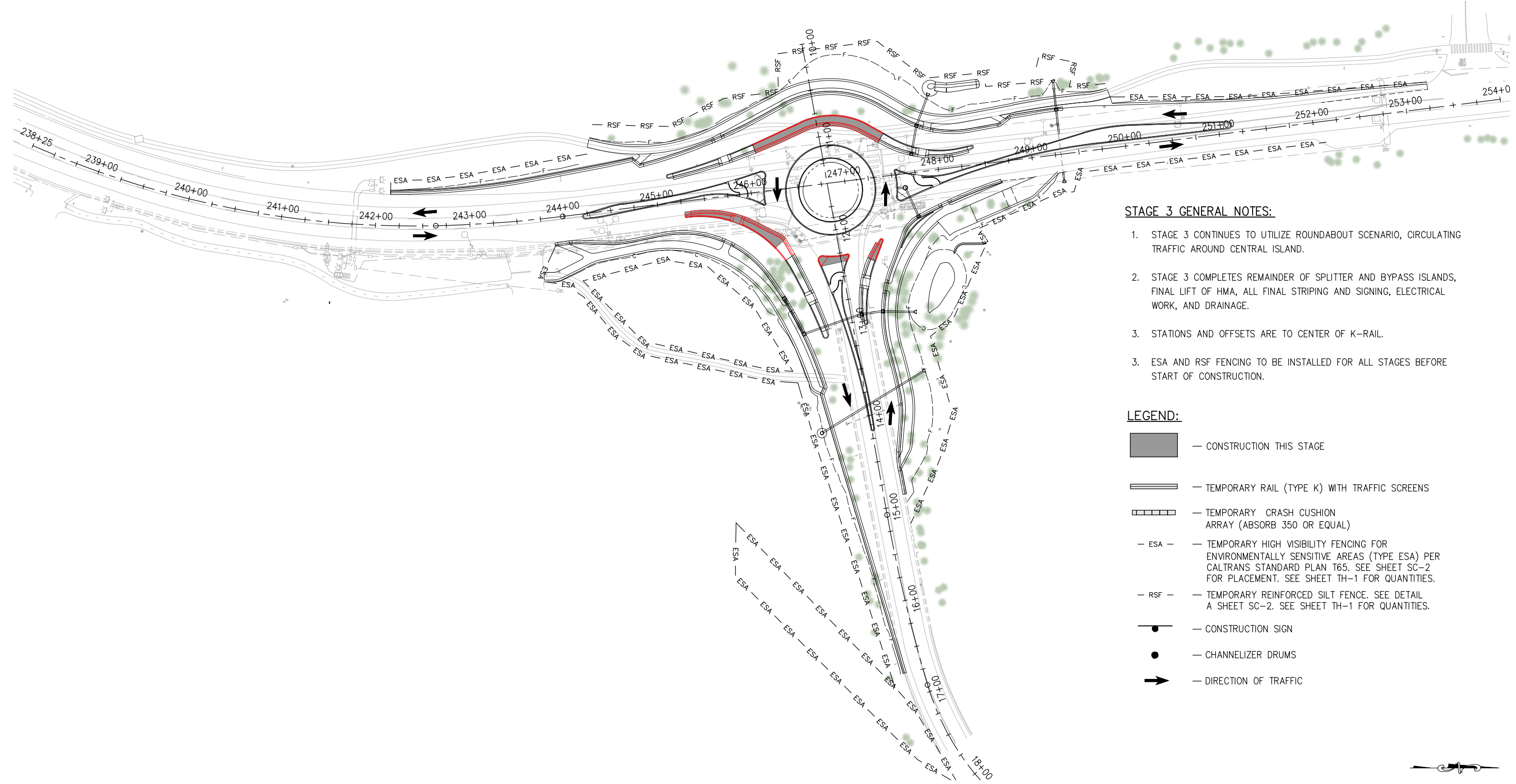
**PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT**

SHEET
TH-3
69 OF 94
W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	70	94

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




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 FOR REDUCED PLANS



STAGE 3 GENERAL NOTES:

1. STAGE 3 CONTINUES TO UTILIZE ROUNDABOUT SCENARIO, CIRCULATING TRAFFIC AROUND CENTRAL ISLAND.
2. STAGE 3 COMPLETES REMAINDER OF SPLITTER AND BYPASS ISLANDS, FINAL LIFT OF HMA, ALL FINAL STRIPING AND SIGNING, ELECTRICAL WORK, AND DRAINAGE.
3. STATIONS AND OFFSETS ARE TO CENTER OF K-RAIL.
3. ESA AND RSF FENCING TO BE INSTALLED FOR ALL STAGES BEFORE START OF CONSTRUCTION.

LEGEND:

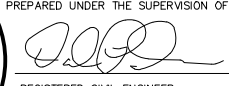
-  — CONSTRUCTION THIS STAGE
-  — TEMPORARY RAIL (TYPE K) WITH TRAFFIC SCREENS
-  — TEMPORARY CRASH CUSHION ARRAY (ABSORB 350 OR EQUAL)
-  — TEMPORARY HIGH VISIBILITY FENCING FOR ENVIRONMENTALLY SENSITIVE AREAS (TYPE ESA) PER CALTRANS STANDARD PLAN T65. SEE SHEET SC-2 FOR PLACEMENT. SEE SHEET TH-1 FOR QUANTITIES.
-  — TEMPORARY REINFORCED SILT FENCE. SEE DETAIL A SHEET SC-2. SEE SHEET TH-1 FOR QUANTITIES.
-  — CONSTRUCTION SIGN
-  — CHANNELIZER DRUMS
-  — DIRECTION OF TRAFFIC

TRAFFIC HANDLING SCALE : NONE

CU XX	EFIS 0317000163	EA 03-2H610
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REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

 REGISTERED CIVIL ENGINEER
 DATE: **DECEMBER 29, 2023**

DESIGNED: DP
 DRAWN: KIS
 CHECKED: DP
 DATE: 10/05/23
 ROAD NUMBER: 000



**COUNTY OF EL DORADO
 DEPARTMENT OF TRANSPORTATION**

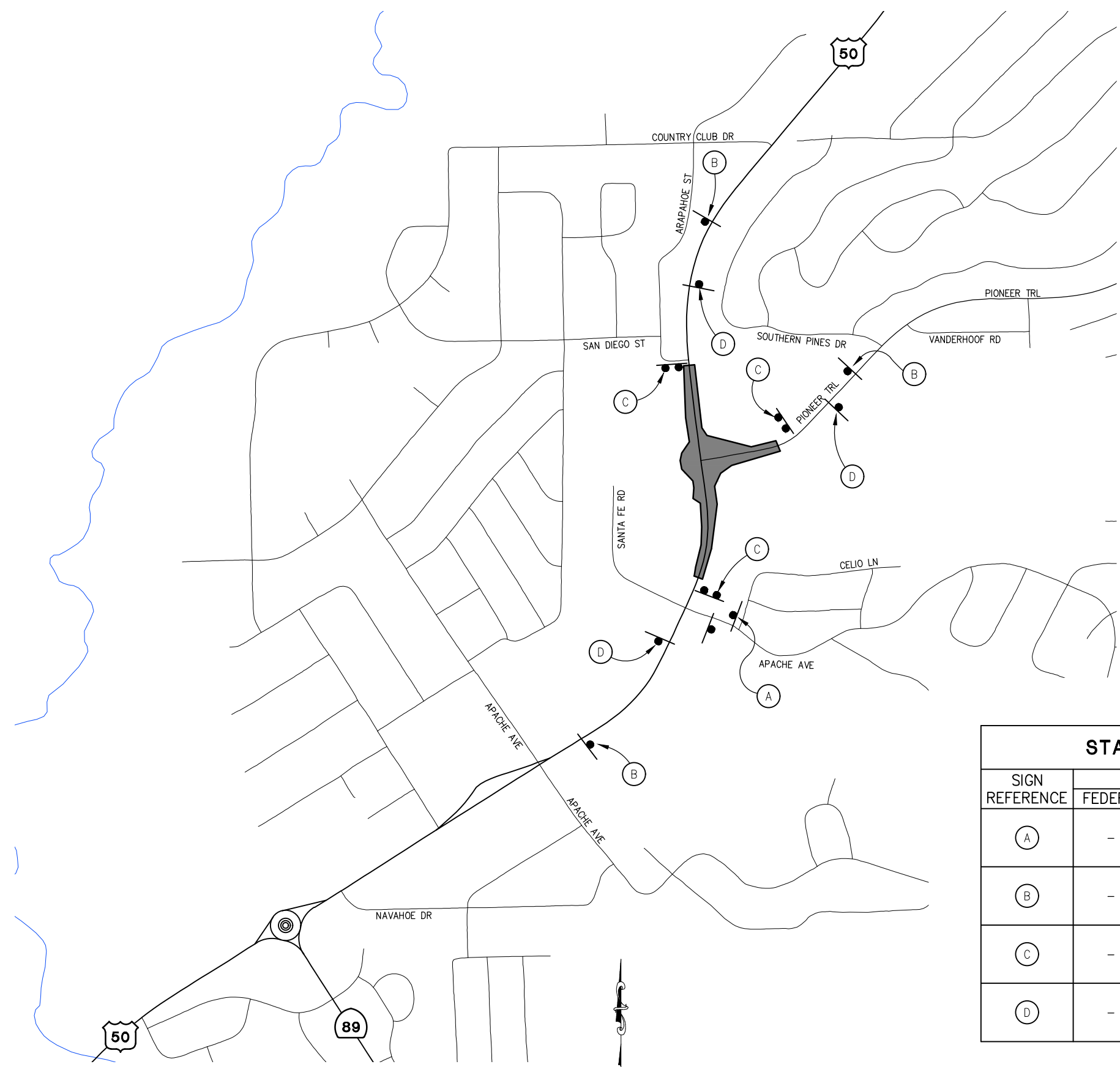
**PIONEER TRAIL/US HIGHWAY 50
 INTERSECTION SAFETY
 IMPROVEMENT PROJECT**

SHEET
TH-4
 70 OF 94
 W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	71	94

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Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\CS- Streets.dwg Layout Tab: CS-1 Dec 29, 2023 - 1:04pm ksujyama



(C) C40 (MOD) <CA>
TRAFFIC FINES DOUBLED IN WORK ZONES
 6" D SERIES LETTERS
 42" X 72"
 RETROREFLECTIVE WHITE BACKGROUND WITH BLACK LEGEND AND BORDER

SIGN DETAIL
NTS

LEGEND:

- CONSTRUCTION AREA
- CONSTRUCTION SIGN (SINGLE POST)
- CONSTRUCTION SIGN (DOUBLE POST)

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS						
SIGN REFERENCE	SIGN CODE		PANEL SIZE	SIGN MESSAGE	NUMBER OF POSTS AND SIZE	NUMBER OF SIGNS
	FEDERAL	CALIFORNIA				
(A)	-	C23	30" X 30"	ROAD WORK AHEAD	1 - 4" X 4"	1
(B)	-	C23	48" X 48"	ROAD WORK AHEAD	1 - 6" X 6"	3
(C)	-	C40 (MOD)	42" X 72"	TRAFFIC FINES DOUBLED IN WORK ZONES	2 - 4" X 6"	3
(D)	-	C14	36" X 18"	END ROAD WORK	1 - 4" X 4"	3

CONSTRUCTION AREA SIGNS
SCALE : NONE

CU XX EFIS 0317000163 EA 03-2H610

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

 REGISTERED CIVIL ENGINEER
 DECEMBER 29, 2023

DESIGNED: DP
 DRAWN: SGM
 CHECKED: DP
 DATE: 03/31/23
 ROAD NUMBER: 000



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

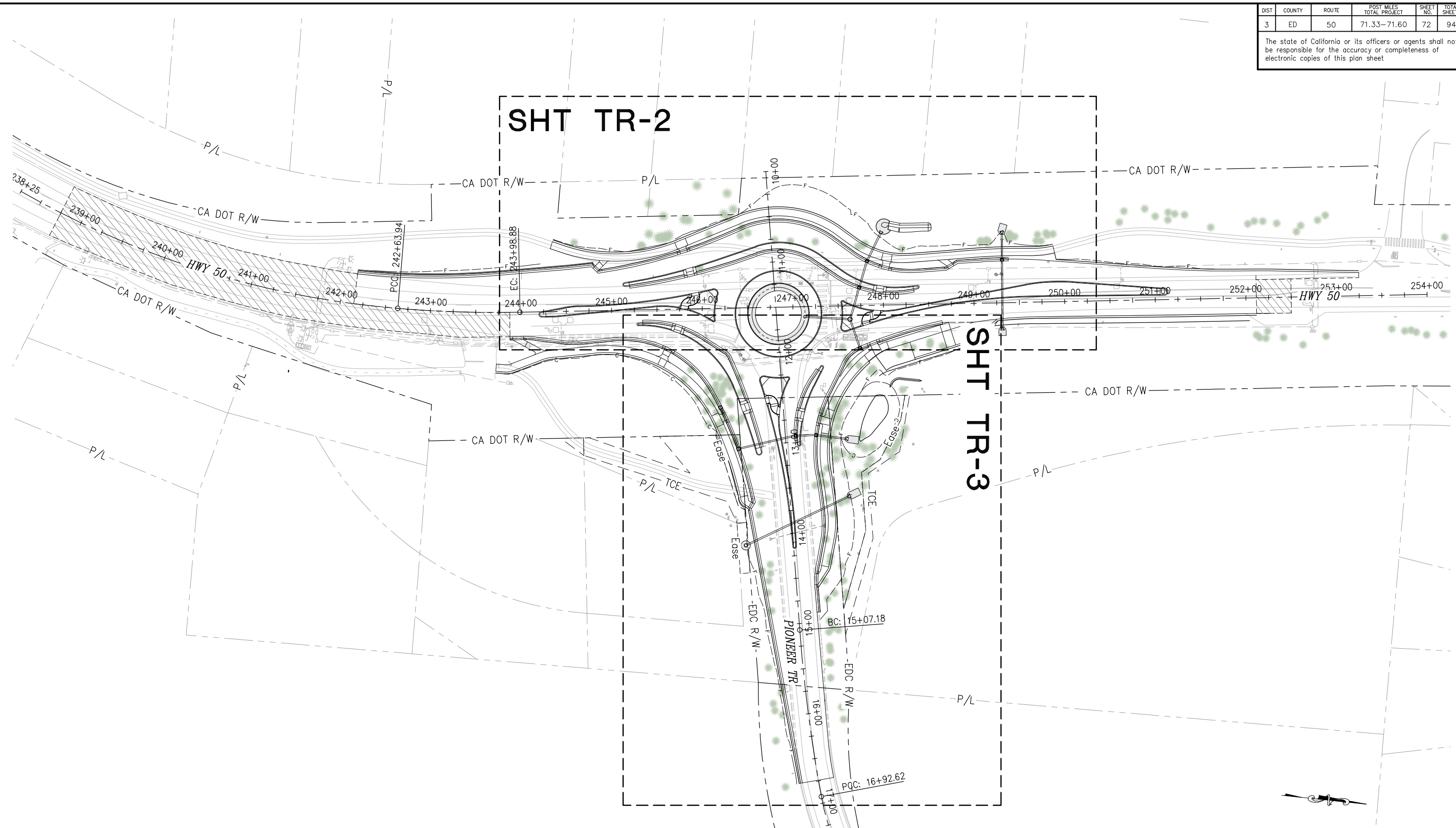
PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT

SHEET
CS-1
71 OF 94
W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	72	94

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 FOR REDUCED PLANS
 REVISION

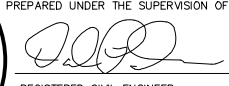


TREE REMOVAL-KEY MAP
SCALE : 1" = 50'

EFIS 0317000163 CU XX EA 03-2H610

NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

 REGISTERED CIVIL ENGINEER
 DATE: **DECEMBER 29, 2023**

DESIGNED: DP
 DRAWN: SGM
 CHECKED: DP
 DATE: 03/31/23
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COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT

SHEET
TR-1
 72 OF 94
 W.O. No.
7614

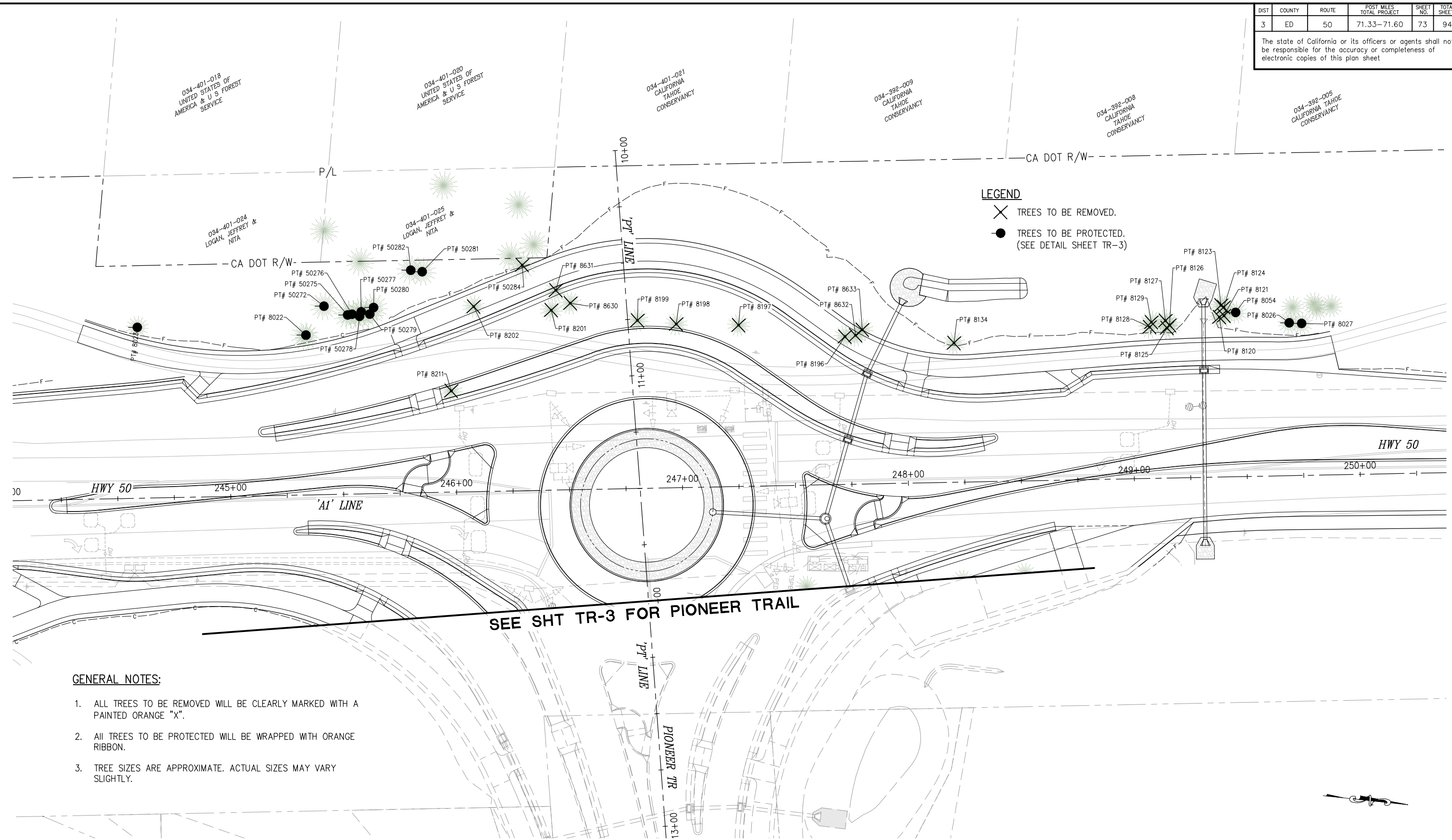
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	73	94

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034-401-018 UNITED STATES OF AMERICA & U S FOREST SERVICE
 034-401-020 UNITED STATES OF AMERICA & U S FOREST SERVICE
 034-401-021 CALIFORNIA TAHOE CONSERVANCY
 034-392-009 CALIFORNIA TAHOE CONSERVANCY
 034-392-008 CALIFORNIA TAHOE CONSERVANCY
 034-392-005 CALIFORNIA TAHOE CONSERVANCY
 034-401-024 LOGAN, JEFFREY & NITA
 034-401-025 LOGAN, JEFFREY & NITA

LEGEND

- ✕ TREES TO BE REMOVED.
- TREES TO BE PROTECTED. (SEE DETAIL SHEET TR-3)

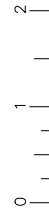


SEE SHT TR-3 FOR PIONEER TRAIL

GENERAL NOTES:

1. ALL TREES TO BE REMOVED WILL BE CLEARLY MARKED WITH A PAINTED ORANGE "X".
2. ALL TREES TO BE PROTECTED WILL BE WRAPPED WITH ORANGE RIBBON.
3. TREE SIZES ARE APPROXIMATE. ACTUAL SIZES MAY VARY SLIGHTLY.

ORIGINAL SCALE IS IN INCHES
 Drawing name: Z:\Civil_3D\Projects\36104026\Pioneer Roundabout\CADD\Files\Sheets\TR-Sheets.dwg Layout Tab: TR-2 Oct 31, 2024 10:40am KSujiyama



TREE REMOVAL SCALE : 1" = 20'

EFIS 0317000163 CU XX EA 03-2H610

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

 REGISTERED CIVIL ENGINEER
 DATE: **DECEMBER 29, 2023**

DESIGNED: DP
 DRAWN: KIS
 CHECKED: DP
 DATE: 10/05/23
 ROAD NUMBER: 000



COUNTY OF EL DORADO DEPARTMENT OF TRANSPORTATION

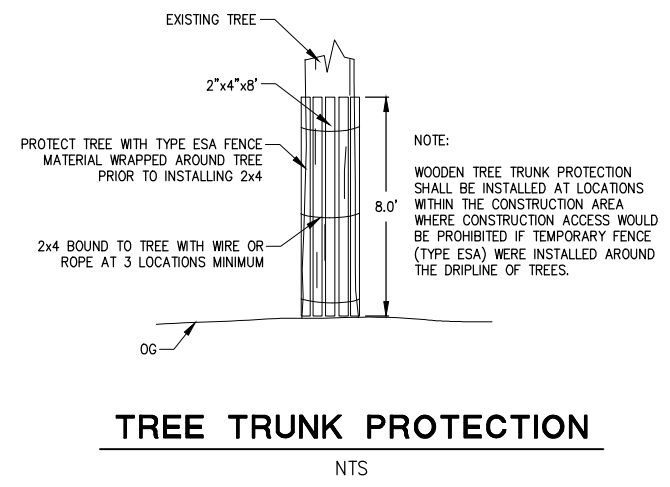
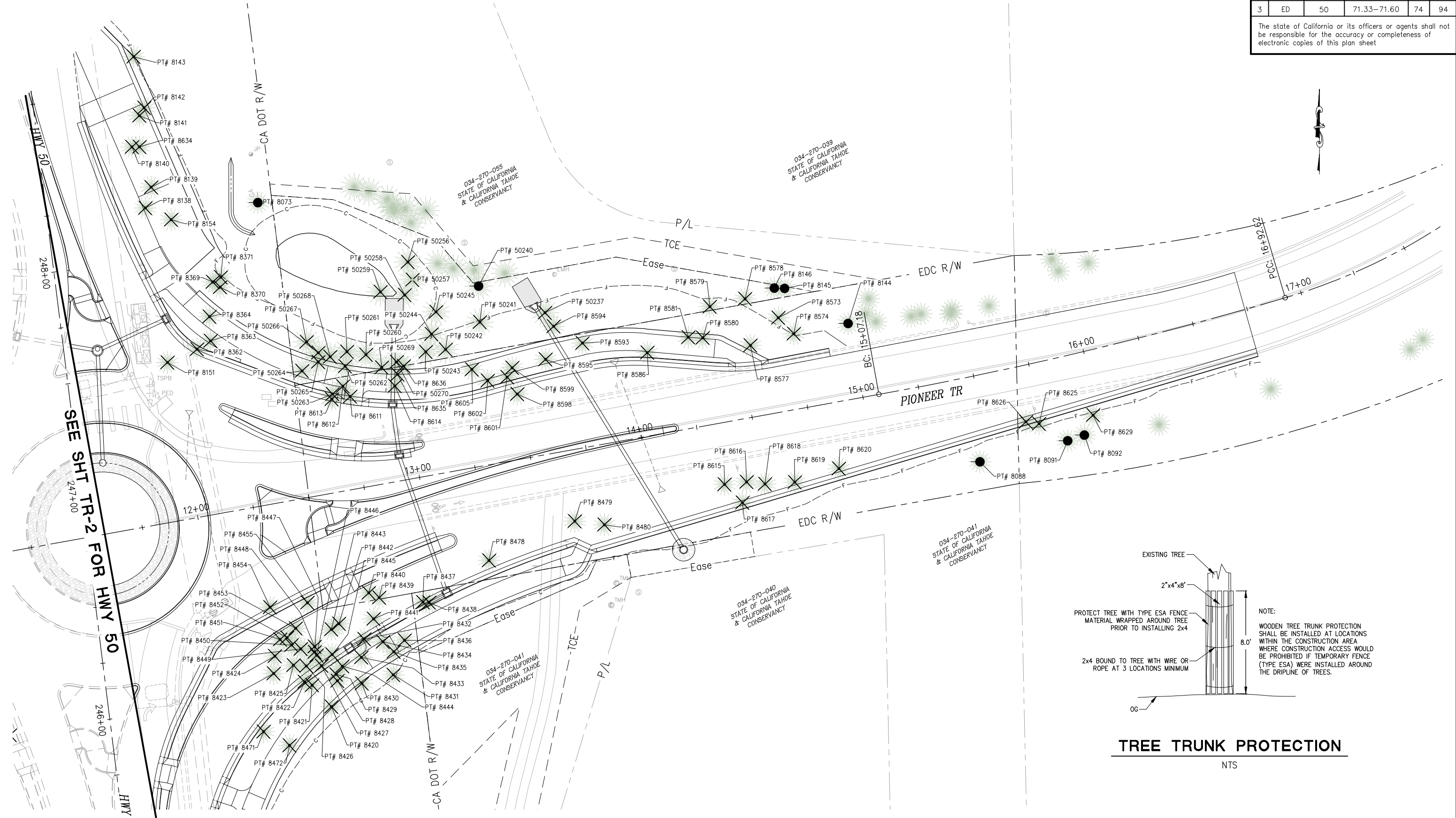
PIONEER TRAIL/US HIGHWAY 50 INTERSECTION SAFETY IMPROVEMENT PROJECT

SHEET **TR-2**
 73 OF 94
 W.O. No. **7614**

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	74	94

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FOR REDUCED PLANS
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DRAWING NAME: Z:\Civil_3D\Projects\36104026\Pioneer_Roundabout\CADD\Files\Sheets\TR-Sheets.dwg Layout Tab: TR-3 Oct 31, 2024 10:42am KSujiyama



TREE REMOVAL SCALE : 1" = 20'

REVISION	NUMBER	DATE	DESCRIPTION	BY



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[Signature]
REGISTERED CIVIL ENGINEER
DATE: **DECEMBER 29, 2023**

DESIGNED: DP
DRAWN: KIS
CHECKED: DP
DATE: 10/05/23
ROAD NUMBER: 000



COUNTY OF EL DORADO DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50 INTERSECTION SAFETY IMPROVEMENT PROJECT

SHEET **TR-3**
74 OF 94
W.O. No. **7614**

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	75	94

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TREE REMOVAL TABLE			
POINT NO.	NORTHING	EASTING	DESCRIPTION
8120	2081285.93	7127559.20	12" PINE
8121	2081287.91	7127558.32	8" PINE
8123	2081286.09	7127553.92	10" PINE
8124	2081287.40	7127554.60	6" PINE
8125	2081263.39	7127566.38	8" PINE
8126	2081264.37	7127564.98	12" PINE
8127	2081262.35	7127563.24	12" PINE
8128	2081255.69	7127566.77	8" FORKED PINE
8129	2081256.25	7127564.56	12" PINE
8134	2081170.30	7127582.82	18" & 16" & 12" CLUSTER PINE
8138	2081185.20	7127687.31	19" PINE
8139	2081194.42	7127689.92	8" PINE
8140	2081212.27	7127681.41	8" PINE
8141	2081226.19	7127684.69	20" PINE
8142	2081229.65	7127686.77	17" PINE
8143	2081252.32	7127682.14	42" PINE
8151	2081116.61	7127697.13	18" PINE
8154	2081180.00	7127698.77	28" PINE
8196	2081122.02	7127585.09	6" PINE
8197	2081074.67	7127584.97	18" FORKED PINE
8198	2081047.18	7127587.35	12" PINE
8199	2081029.93	7127587.52	8" PINE
8201	2080991.50	7127587.03	6" PINE
8202	2080957.21	7127589.00	8" PINE
8211	2080951.23	7127627.19	30" PINE
8362	2081122.49	7127710.24	27" PINE
8363	2081126.17	7127716.25	20" PINE
8364	2081136.96	7127715.79	22" PINE
8369	2081152.34	7127717.26	20" PINE
8370	2081150.06	7127720.48	20" PINE
8371	2081154.44	7127720.80	24" PINE
8420	2080963.78	7127769.92	12" PINE
8421	2080973.37	7127761.32	14" PINE
8422	2080974.79	7127757.96	14" PINE

TREE REMOVAL TABLE			
POINT NO.	NORTHING	EASTING	DESCRIPTION
8423	2080978.53	7127744.27	24" PINE
8424	2080986.24	7127744.79	24" PINE
8425	2080982.20	7127753.05	24" PINE
8426	2080981.86	7127758.74	10" PINE
8427	2080982.02	7127765.50	10" PINE
8428	2080975.29	7127772.56	9" PINE
8429	2080978.14	7127772.00	9" PINE
8430	2080974.11	7127783.42	12" PINE
8431	2080977.96	7127797.34	12" PINE
8432	2080993.81	7127784.41	11" PINE
8433	2080985.70	7127783.18	11" PINE
8434	2080992.62	7127792.76	8" PINE
8435	2080988.21	7127797.60	12" PINE
8436	2080993.30	7127802.35	6" PINE
8437	2081010.20	7127810.52	24" PINE
8438	2081010.07	7127813.26	24" PINE
8439	2081012.25	7127791.09	8" PINE
8440	2081014.33	7127786.45	8" PINE
8441	2081002.81	7127788.63	10" PINE
8442	2081000.67	7127773.25	12" PINE
8443	2080998.11	7127769.87	12" PINE
8444	2080981.77	7127774.75	8" PINE
8445	2080986.98	7127770.19	22" PINE
8446	2080986.60	7127763.32	6" PINE
8447	2080988.08	7127762.45	6" PINE
8448	2080990.47	7127762.42	10" PINE
8449	2080989.48	7127756.32	10" PINE
8450	2080991.17	7127752.21	10" PINE
8451	2080993.66	7127747.09	12" PINE
8452	2080994.48	7127750.23	18" PINE
8453	2080998.60	7127754.05	14" PINE
8454	2081007.92	7127742.65	20" PINE
8455	2081009.97	7127759.26	20" PINE
8471	2080952.76	7127739.80	24" PINE

TREE REMOVAL TABLE			
POINT NO.	NORTHING	EASTING	DESCRIPTION
8472	2080946.62	7127751.29	24" PINE
8478	2081028.72	7127839.82	14" PINE
8479	2081046.16	7127877.88	18" PINE
8480	2081044.58	7127891.04	21" PINE
8573	2081136.44	7127968.22	6" PINE
8574	2081129.36	7127975.11	15" FIR
8577	2081124.20	7127955.86	15" PINE
8578	2081144.83	7127953.44	6" PINE
8579	2081141.39	7127937.85	10" PINE
8580	2081127.56	7127934.72	10" FIR
8581	2081127.80	7127928.28	18" PINE
8586	2081120.97	7127910.07	15" PINE
8593	2081125.22	7127881.30	8" PINE
8594	2081132.65	7127868.49	15" PINE
8595	2081117.99	7127864.93	7" PINE
8598	2081102.58	7127852.34	15" PINE
8599	2081114.25	7127850.11	15" PINE
8601	2081110.10	7127847.87	10" FIR
8602	2081108.55	7127839.23	10" PINE
8605	2081113.55	7127832.23	10" PINE
8611	2081101.52	7127778.22	15" PINE
8612	2081106.07	7127774.97	6" PINE
8613	2081100.31	7127770.02	12" & 4" FORKED PINE
8614	2081106.16	7127798.05	12" PINE
8615	2081062.46	7127944.38	12" PINE
8616	2081063.58	7127954.15	12" PINE
8617	2081054.36	7127952.32	15" PINE
8618	2081062.65	7127962.32	12" PINE
8619	2081063.48	7127975.54	12" PINE
8620	2081069.50	7127995.10	18" PINE
8625	2081089.41	7128083.97	15" PINE
8626	2081090.28	7128078.12	15" PINE
8629	2081093.23	7128107.92	18" PINE
8630	2080999.58	7127583.07	6" PINE

TREE REMOVAL TABLE			
POINT NO.	NORTHING	EASTING	DESCRIPTION
8631	2080992.61	7127578.03	6" PINE
8632	2081126.64	7127584.02	4" PINE
8633	2081129.34	7127581.26	6" PINE
8634	2081212.33	7127684.69	4" PINE
8635	2081111.32	7127799.24	12" PINE
8636	2081115.01	7127801.96	12" PINE
50237	2081138.74	7127864.68	10" PINE
50241	2081134.52	7127835.78	4" CEDAR
50242	2081122.38	7127820.55	14" FIR
50243	2081121.36	7127811.77	10" PINE
50244	2081129.21	7127814.33	10" PINE
50245	2081139.06	7127816.34	6" FIR
50256	2081161.21	7127803.81	10" PINE
50257	2081153.31	7127805.83	8" PINE
50258	2081146.56	7127802.40	4" PINE
50259	2081147.89	7127791.67	12" PINE
50260	2081120.09	7127785.23	10" PINE
50261	2081121.40	7127776.78	4" PINE
50262	2081114.90	7127775.98	12" PINE
50263	2081102.57	7127770.36	6" PINE
50264	2081112.85	7127756.87	12" PINE
50265	2081116.89	7127764.06	10" PINE
50266	2081120.92	7127764.06	4" PINE
50267	2081125.74	7127758.86	10" PINE
50268	2081119.12	7127769.33	6" PINE
50269	2081114.41	7127792.21	12" PINE
50270	2081116.83	7127798.81	12" PINE
50284	2080976.64	7127568.51	30" PINE

TREE PROTECTION TABLE			
POINT NO.	NORTHING	EASTING	DESCRIPTION
8022	2080884.67	7127609.33	24" PINE
8023	2080810.09	7127613.72	8" PINE
8026	2081316.94	7127558.44	12" PINE
8027	2081322.42	7127558.13	15" PINE
8054	2081292.87	7127556.33	10" PINE
8073	2081187.56	7127737.24	10" PINE
8088	2081072.51	7128057.71	18" PINE
8091	2081081.85	7128096.66	15" PINE
8092	2081084.36	7128104.05	18" PINE
8144	2081133.91	7127999.19	8" PINE
8145	2081149.47	7127971.01	8" PINE
8146	2081149.64	7127966.44	8" PINE
50240	2081150.52	7127835.19	10" PINE
50272	2080891.28	7127595.78	6" PINE
50275	2080902.11	7127598.55	4" PINE
50276	2080904.02	7127598.02	4" PINE
50277	2080907.94	7127596.48	4" PINE
50278	2080907.42	7127598.55	8" PINE
50279	2080911.80	7127597.15	6" PINE
50280	2080913.18	7127594.05	4" PINE
50281	2080932.91	7127576.07	30" FORKED PINE
50282	2080927.81	7127575.91	24" PINE

TREE REMOVAL/PROTECTION TABLES
SCALE : NONE
EFIS 0317000163 CU XX EA 03-2H610

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF :
[Signature]
REGISTERED CIVIL ENGINEER
DECEMBER 29, 2023
DATE:

DESIGNED: DP
DRAWN: KIS
CHECKED: DP
DATE: 10/05/23
ROAD NUMBER: 000



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

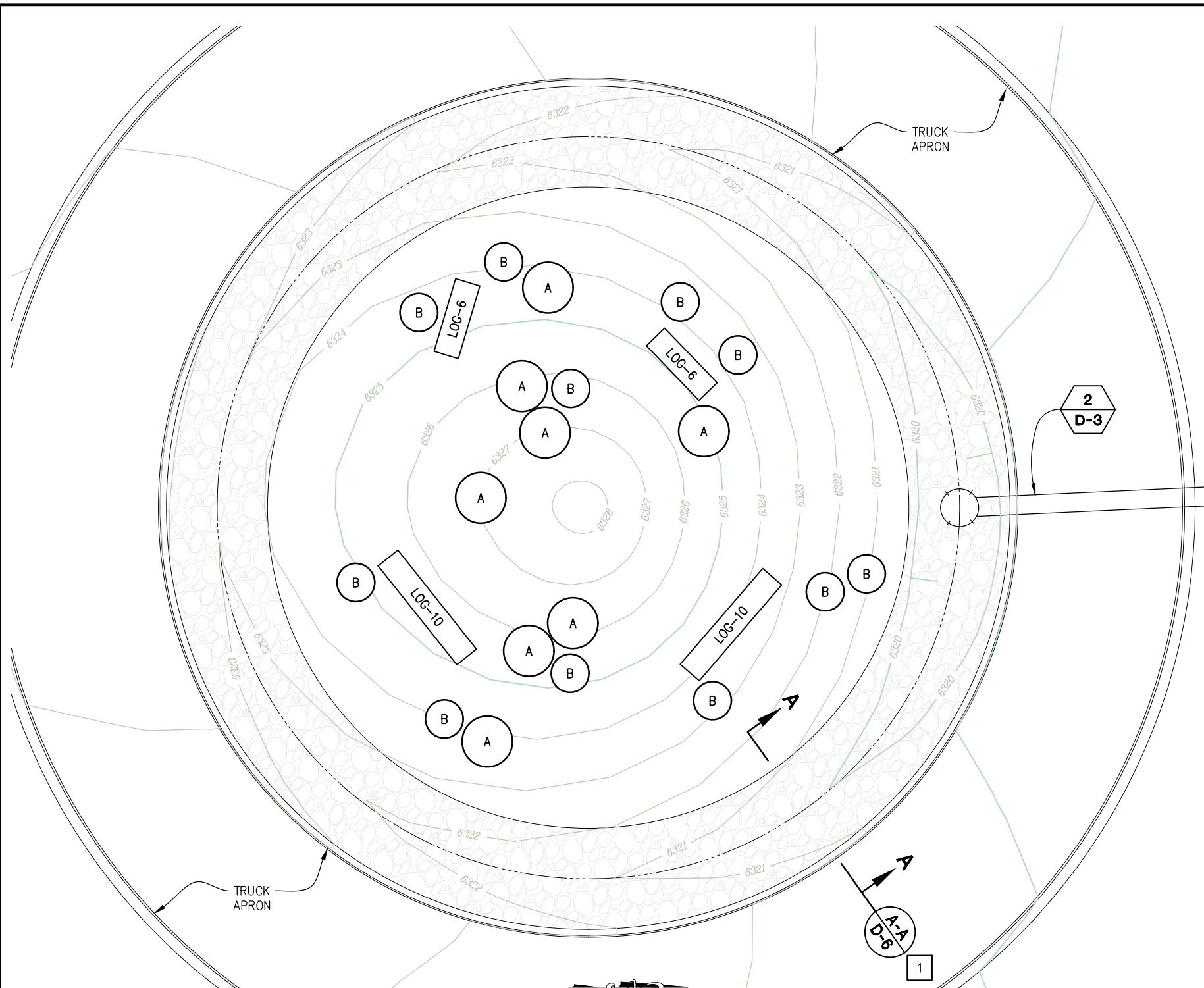
PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT

SHEET
TR-4
75 OF 94
W.G. No.
7614

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	76	94

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ORIGINAL SCALE IS IN INCHES
Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\LD-Sheets.dwg Layout Tab: LD-1 Dec 29, 2023 1:15pm ksugiyama

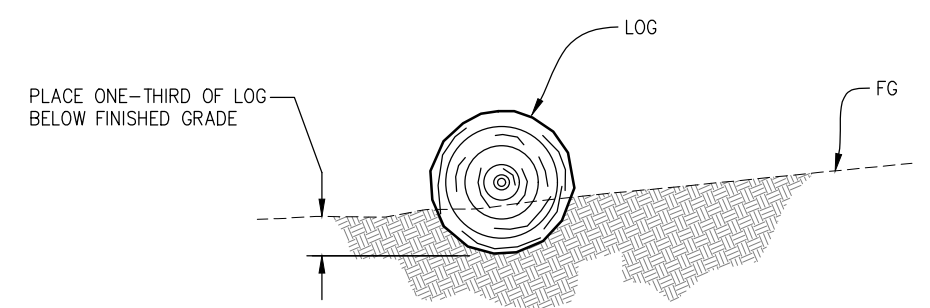


ROUNDBOUT CENTRAL ISLAND

SCALE: 1"=5'

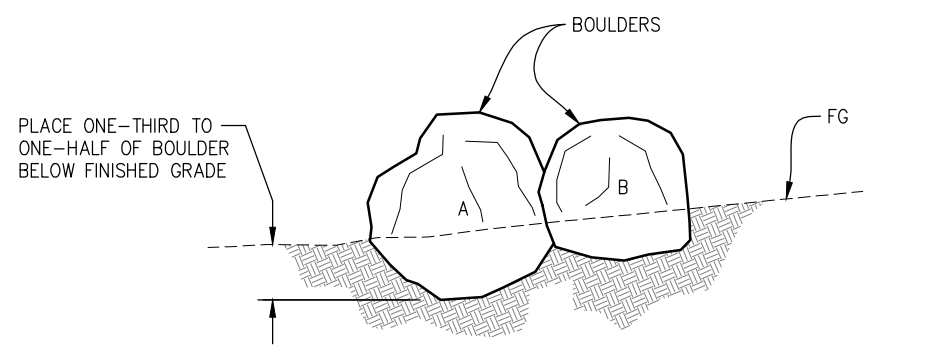
CONSTRUCTION NOTES:

1 - CONSTRUCT 8' WIDE CENTER ISLAND V-DITCH. SEE SHEET G-1 FOR HORIZONTAL AND VERTICAL INFORMATION.



LOG PLACEMENT (TYP)

NTS



BOULDER PLACEMENT (TYP)

NTS

NOTES:

1. SEE SHT 'G-1 FOR CENTRAL ISLAND CONTOUR GRADING

BOULDER INFORMATION	
DESIGNATION	SIZE (APPROX. DIA.)
A	4'
B	3'

LOG INFORMATION	
DESIGNATION	SIZE
LOG-6	±6' LONG X ±2' DIA
LOG-10	±10' LONG X ±2' DIA

LANDSCAPE DETAILS SCALE : AS SHOWN

THIS PLAN ACCURATE FOR LANDSCAPING WORK ONLY

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
[Signature]
PROFESSIONAL LAND SURVEYOR
DATE: **DECEMBER 29, 2023**

DESIGNED: DP
DRAWN: SGM
CHECKED: DP
DATE: 03/31/23
ROAD NUMBER: 114



COUNTY OF EL DORADO DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50 INTERSECTION SAFETY IMPROVEMENT PROJECT

SHEET **LD-1**
76 OF 94
W.O. No. **7614**

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	77	94

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EROSION CONTROL QUANTITIES

LOCATION	TYPE	EROSION CONTROL				
		COMPOST	INCORPORATE MATERIALS	DRY SEED	HYDROSEED	WOOD MULCH
		CY	SQFT	SQFT	SQFT	CY
A	1	-	-	2705	-	9
B	1	-	-	51	-	1
C	2	25	2023	2023	-	7
D	1	-	-	14305	-	45
E	1	-	-	208	-	1
F	1	-	-	892	-	3
G	1	-	-	484	-	2
H	1	-	-	3805	-	12
I	1	-	-	399	-	2
J	1	-	-	203	-	1
K	1	-	-	9258	-	29
L	1	-	-	38	-	1
M	1	-	-	11614	-	36
N	3	-	-	-	73	-
O	3	-	-	-	3658	-
P	3	-	-	-	445	-
	TOTAL	25	2023	45985	4176	149

ROLLED EROSION CONTROL PRODUCT

LOCATION	EROSION CONTROL TYPE	TRM
		SQFT
N (BASIN OUTLET)	3	73
O (BASIN)	3	3658
P (VEGETATED SWALE)	3	445
	TOTAL	4176

EROSION CONTROL LEGEND & QUANTITIES

SCALE : NA

EFIS 0317000163	CU XX	EA 03-2H610
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**PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT**

SHEET
EC-1
77 OF 94
W.O. No.
7614

SEED - MIX 1		
BOTANICAL NAME (COMMON NAME)	PERCENT GERMINATION (MINIMUM)	POUNDS PURE LIVE SEED PER ACRE (SLOPE MEASUREMENT)
ACHNATHERUM OCCIDENTALIS (WESTERN NEEDLEGRASS)	63	2.9
BROMUS CARINATUS (CALIFORNIA BROME)	72	17.3
ELYMUS ELYMOIDES (BOTTLEBRUSH SQUIRREL TAIL)	54	7.3
ELYMUS GLAUCUS (BLUE WILD RYE)	77	13.0
POA SEGUNDA (PINE BLUEGRASS)	63	5.5
LOTUS PERSIANUS (PERSHING'S LOTUS)	63	16.6
LUPINUS LEPIDUS (SIERRA LUPINE)	63	13.6
LUPINUS BREWERI (BREWERS LUPINE)	63	13.6
ACHILLEA MILLEFOLIUM (WHITE YARROW)	77	1.3
		91.1

NOTE:
SEED SOURCE FROM SIERRA NEVADA SOURCES ABOVE THE 4000 FOOT ELEVATION LEVEL

SEED - MIX 2		
BOTANICAL NAME (COMMON NAME)	PERCENT GERMINATION (MINIMUM)	POUNDS PURE LIVE SEED PER ACRE (SLOPE MEASUREMENT)
AGROSTIS IDAHOENSIS (IDAHO BENTGRASS)	63	0.3
CAREXAMPLIFOLIA (SEDGE)	81	2.3
CAREX UTRCULATA (BEAKED SEDGE)	81	2.3
CAREX NEBRASCENSIS (NEBRASKA SEDGE)	81	2.3
DESCHAMPSIA CESPITOSA (TUFTED HAIRGRASS)	72	0.9
HORDEUM BRACHYANTHERUM (MEADOW BARLEY)	72	5.0
JUNCUS BALTICUS (BALTIC RUSH)	81	0.3
JUNCUS NEVADENSIS (RUSH)	81	0.3
JUNCUS ORTHOPHYLLUS (RUSH)	81	0.3
GEUM MACROPHYLLUM (GEUM)	63	1.0
POTENTILLA GRACILIS (SLENDER CINQUEFOIL)	63	0.5
SIDALCEA OREGONA (SPICATE CHECKER BROOM)	63	1.0
		16.5

NOTE:
SEED SOURCE FROM SIERRA NEVADA SOURCES ABOVE THE 4000 FOOT ELEVATION LEVEL

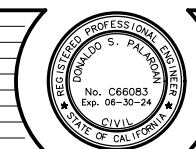
EROSION CONTROL (TYPE 1)				
SEQUENCE	ITEM	MATERIAL		APPLICATION RATE
		DESCRIPTION	TYPE	
STEP 1	DRY SEED	SEED	MIX 1	55 LB/ACRE
		FERTILIZER	ORGANIC	1000 LB/ACRE
STEP 2	WOOD MULCH	WOOD MULCH	SHREDDED BARK MULCH	135 CY/ACRE

EROSION CONTROL (TYPE 2)				
SEQUENCE	ITEM	MATERIAL		APPLICATION RATE
		DESCRIPTION	TYPE	
STEP 1	COMPOST	COMPOST	MEDIUM	538 CY/ACRE
STEP 2	INCORPORATE MATERIALS	COMPOST	-	12 INCH DEPTH
STEP 3	DRY SEED	SEED	MIX 1	55 LB/ACRE
		FERTILIZER	ORGANIC	1000 LB/ACRE
STEP 4	WOOD MULCH	WOOD MULCH	SHREDDED BARK MULCH	135 CY/ACRE

EROSION CONTROL (TYPE 3)				
SEQUENCE	ITEM	MATERIAL		APPLICATION RATE
		DESCRIPTION	TYPE	
STEP 1	ROLLED EROSION CONTROL PRODUCT (TRM)	TURF REINFORCEMENT MAT (NETTING)	TYPE A	-
		FASTENERS	WOOD STAKE	PER MANUFACTURER RECOMMENDATIONS
STEP 2	COMPOST	COMPOST	FINE	1" DEPTH WITHIN BLANKET
STEP 3	HYDROSEED (SEED MIX 2)	SEED	MIX 2	16.5 LB/ACRE
		FERTILIZER	ORGANIC	1800 LB/ACRE
		FIBER	WOOD	1500 LB/ACRE
STEP 4	STRAW	STRAW	PINE NEEDLES	3.6 TONS/ACRE

THIS PLAN ACCURATE FOR EROSION CONTROL WORK ONLY

ORIGINAL SCALE IS IN INCHES
Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\EC-Sheets.dwg Layout Tab: EC-1 Sep 18, 2024 - 2:25pm ksujyama



PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
DATE: **DECEMBER 29, 2023**

DESIGNED: DP
DRAWN: SGM
CHECKED: DP
DATE: 03/31/23
ROAD NUMBER: 114



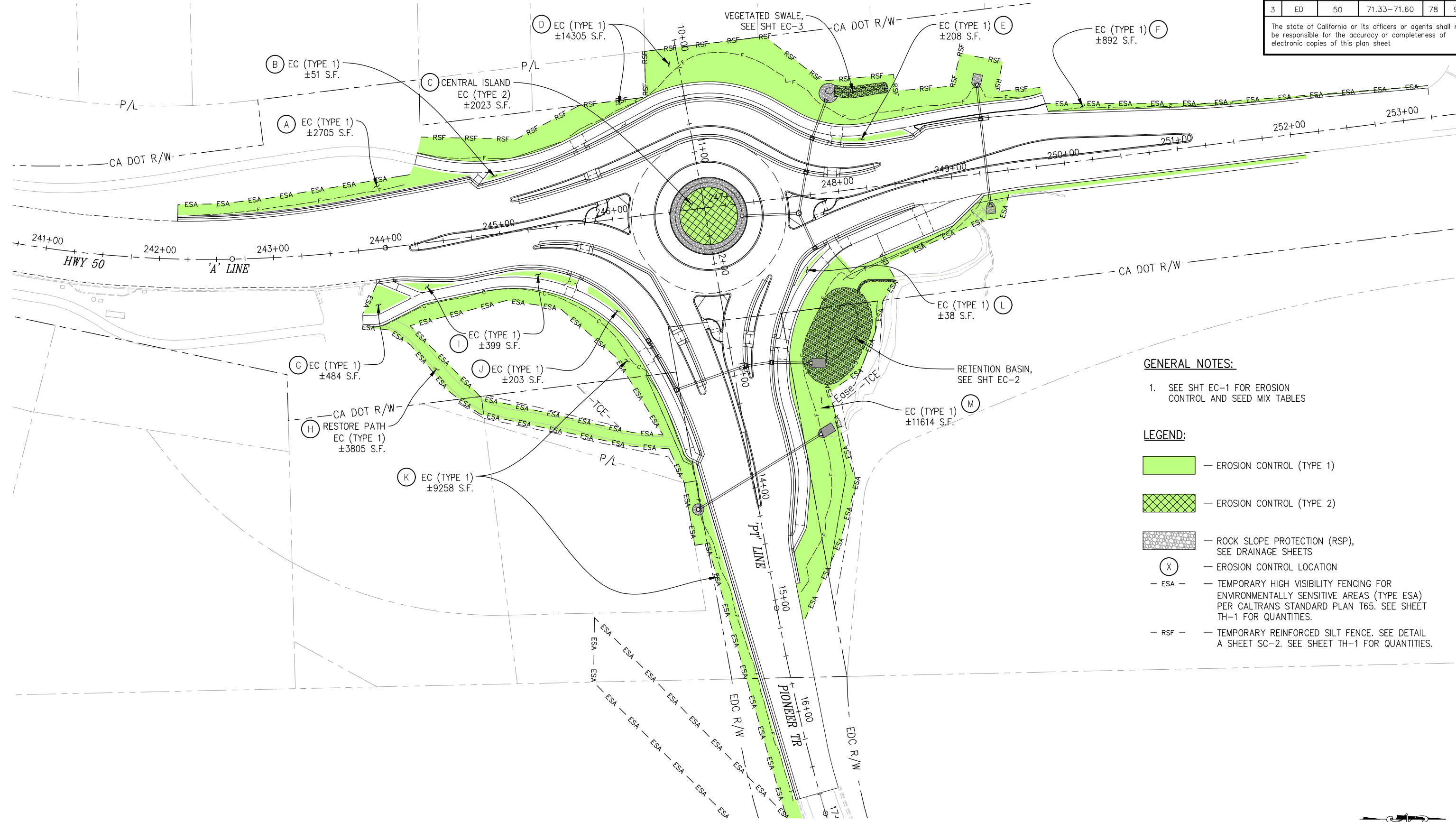
**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

REVISION	NUMBER	DATE	DESCRIPTION	BY

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	78	94

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Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\EC-Sheets.dwg Layout Tab: EC-2 Oct 31, 2024 10:58am KSubjyomo



GENERAL NOTES:

- SEE SHT EC-1 FOR EROSION CONTROL AND SEED MIX TABLES

LEGEND:

- EROSION CONTROL (TYPE 1)
- EROSION CONTROL (TYPE 2)
- ROCK SLOPE PROTECTION (RSP), SEE DRAINAGE SHEETS
- (X) — EROSION CONTROL LOCATION
- ESA — — TEMPORARY HIGH VISIBILITY FENCING FOR ENVIRONMENTALLY SENSITIVE AREAS (TYPE ESA) PER CALTRANS STANDARD PLAN T65. SEE SHEET TH-1 FOR QUANTITIES.
- RSF — — TEMPORARY REINFORCED SILT FENCE. SEE DETAIL A SHEET SC-2. SEE SHEET TH-1 FOR QUANTITIES.

EROSION CONTROL
SCALE : 1" = 40'

THIS PLAN ACCURATE FOR EROSION CONTROL WORK ONLY

EFIS 0317000163 CU XX EA 03-2H610

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
DATE: **DECEMBER 29, 2023**

DESIGNED: DP
DRAWN: SGM
CHECKED: DP
DATE: 03/31/23
ROAD NUMBER: 114



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT

SHEET
EC-2
78 OF 94
W.O. No.
7614


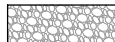

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	79	94

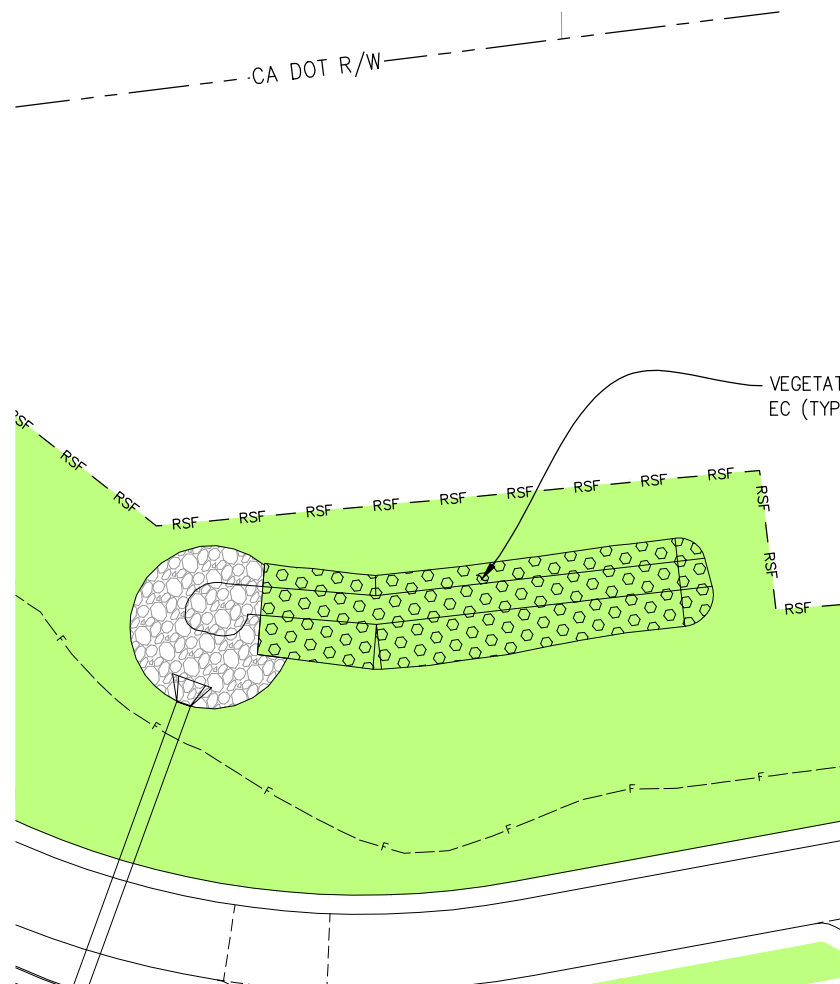
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GENERAL NOTES:

- SEE SHT EC-1 FOR EROSION CONTROL AND SEED MIX TABLES

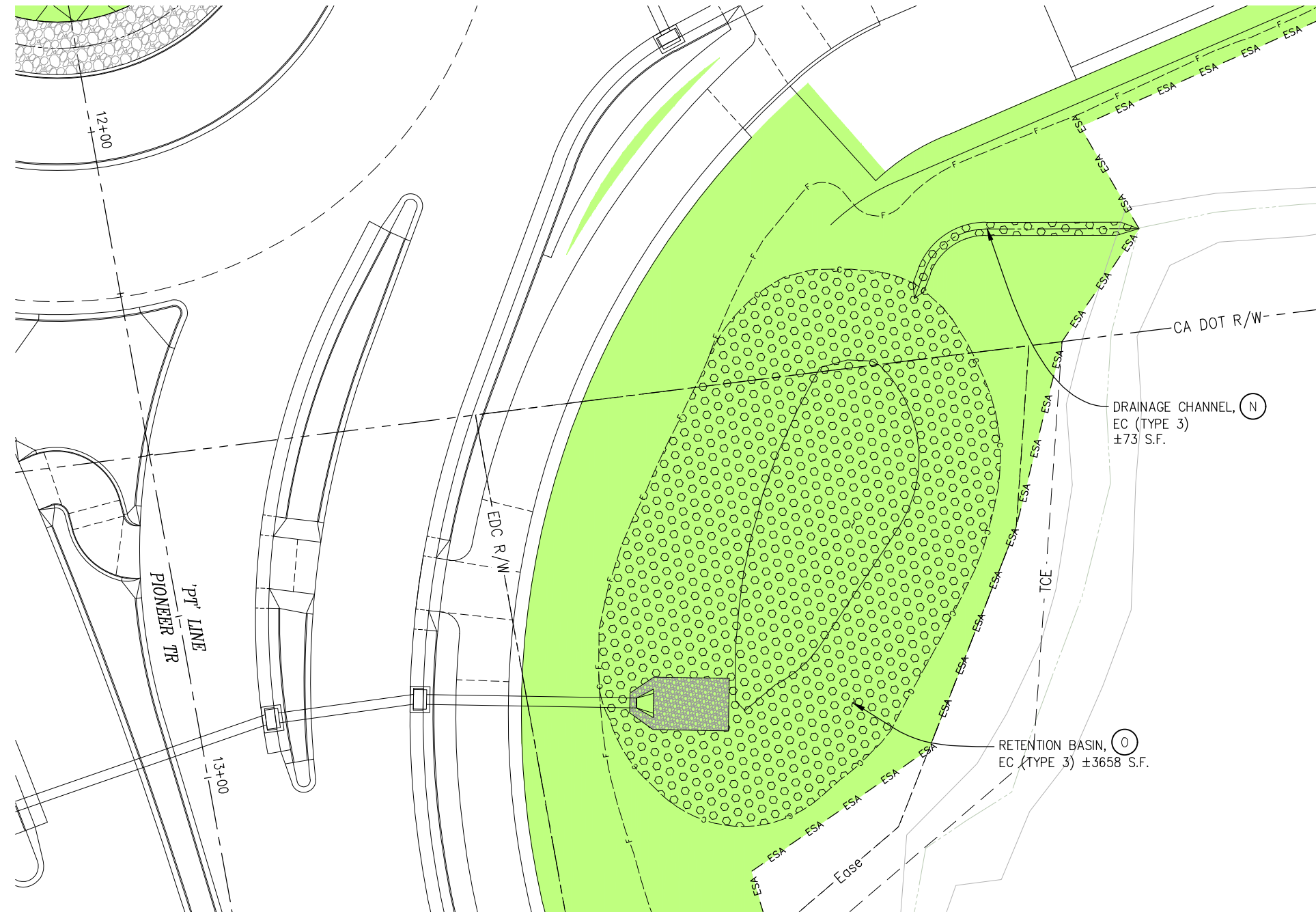
RETENTION BASIN LEGEND:

-  — EROSION CONTROL (TYPE 3)
-  — ROCK SLOPE PROTECTION (RSP), SEE DRAINAGE SHEETS
-  — EROSION CONTROL LOCATION
- ESA - — TEMPORARY HIGH VISIBILITY FENCING FOR ENVIRONMENTALLY SENSITIVE AREAS (TYPE ESA) PER CALTRANS STANDARD PLAN T65. SEE SHEET TH-1 FOR QUANTITIES.
- RSF - — TEMPORARY REINFORCED SILT FENCE. SEE DETAIL A SHEET SC-2. SEE SHEET TH-1 FOR QUANTITIES.



VEGETATED SWALE

SCALE: 1"=10'



RETENTION BASIN

SCALE: 1"=10'

ORIGINAL SCALE IS IN INCHES
Drawing name: Z:\Civil_3D\Projects\36104026\Pioneer Roundabout\CADD\Files\Sheets\EC-Sheets.dwg Layout Tab: EC-3 Nov 01, 2024 1:42pm dpataroon

FOR REDUCED PLANS

THIS PLAN ACCURATE FOR EROSION CONTROL WORK ONLY

EROSION CONTROL SCALE : AS SHOWN

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
DATE: **DECEMBER 29, 2023**

DESIGNED: DP
DRAWN: SGM
CHECKED: DP
DATE: 03/31/23
ROAD NUMBER: 114



**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

**PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY
IMPROVEMENT PROJECT**

EFIS 0317000163 CU XX EA 03-2H610

SHEET
EC-3
79 OF 94
W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	80	94

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NOTES (ALL SHEETS):

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- ALL PULL BOXES SHALL BE TRAFFIC PULL BOXES UNLESS OTHERWISE NOTED.
- ALL NEW EQUIPMENT SHALL BE PLACED ON THE DOWN STREAM SIDE OF THE MVP.
- THE LAYOUT AND ORIENTATION OF THE CABINET MUST BE APPROVED BY A CALTRANS RESIDENT ENGINEER, CALTRANS ELECTRICAL INSPECTOR OR REPRESENTATIVE OF CALTRANS MAINTENANCE PRIOR TO CONSTRUCTION.

ABBREVIATIONS:

ASE	AT&T SWITCHED ETHERNET
AT&T	AMERICAN TELEPHONE AND TELEGRAPH
CAT6	CATEGORY 6
CAT8	CATEGORY 8
EECU	ETHERNET EXTENDER/SWITCH COMBINATION UNIT
FDU	FIBER DISTRIBUTION UNIT
H&A	HANDHOLE AND ANCHORAGE DETAILS
MBPS	MEGABITS PER SECOND
MEA	METAL EXPANSION ANCHOR
MRS-F	MICROWAVE RADAR SENSOR FORWARDFIRE
MRS-S	MICROWAVE RADAR SENSOR SIDEFIRE
MRS-A	MICROWAVE RADAR SENSOR ANGLEFIRE
POE	POWER OVER ETHERNET
SCI	SCALE LEAD-IN-CABLE
SFP	SMALL FORM-FACTOR PLUGGABLE
SMFO	SINGLE MODE FIBER OPTIC
STC	SCREENED TELEPHONE CABLE
SV	SPLICE VAULT
TC	TELEPHONE CABLE
TX/RX	TRANSMIT/RECEIVE
WEB	WIRELESS ETHERNET BRIDGE

LEGEND (ALL SHEETS):

- NEW WEB RADIO
- EXISTING WEB RADIO
- NEW YAGI ANTENNA
- EXISTING YAGI ANTENNA
- NEW OMNIDIRECTIONAL ANTENNA
- EXISTING OMNIDIRECTIONAL ANTENNA
- NEW RWIS TOWER
- EXISTING RWIS TOWER
- NEW DOUBLE DOOR CONTROLLER ASSEMBLY. DOOR INDICATES FRONT OF CABINET
- EXISTING DOUBLE DOOR CONTROLLER ASSEMBLY. DOOR INDICATES FRONT OF CABINET
- NEW MRS SIDE FIRE
- EXISTING MRS SIDE FIRE
- NEW MRS ANGLE FIRE
- EXISTING MRS ANGLE FIRE
- NEW MRS FORWARD FIRE
- EXISTING MRS FORWARD FIRE
- NEW TYPE 1-D MODIFIED FB ASSEMBLY WITH A SECTION SIGNAL FACE AND SIGN W3-8 OR W3-7
- EXISTING TYPE 1-D MODIFIED FB ASSEMBLY WITH A SECTION SIGNAL FACE AND SIGN W3-8 OR W3-7
- PIEZO ELECTRIC AXLE SENSOR
- EXISTING PIEZO ELECTRIC AXLE SENSOR
- NEW TYPE 1-B POLE, WITH TV-2-T AND SV-1-T MOUNTINGS

- NEW TWO SIGNAL HEAD 3 FACE AND ENFORCEMENT SIGNAL TYPE 24-4-100
- NEW THREE SIGNAL HEAD 3 FACE AND ENFORCEMENT SIGNAL TYPE 28-5-100 ASSEMBLY
- NEW MICROWAVE DETECTION ZONE (SMALL)
- NEW MICROWAVE DETECTION ZONE (LARGE)
- NEW 60' HIGH MAST LOWERABLE CCTV POLE.
- EXISTING 60' HIGH MAST LOWERABLE CCTV POLE.
- NEW 90' HIGH MAST LOWERABLE CCTV POLE.
- EXISTING 90' HIGH MAST LOWERABLE CCTV POLE.
- FOUNDATION TO BE RC BY CONTRACTOR.
- NEW RWIS SUBSURFACE SENSOR
- EXISTING RWIS SUBSURFACE SENSOR
- NEW VAULT WITH SPLICE ENCLOSURE
- EXISTING VAULT WITH SPLICE ENCLOSURE
- NOTE TEMPLATE BOX.
- OVERHEAD BUNDLE WITH SIGNAL FACES.

INDEX OF ELECTRICAL SYSTEMS PLANS, NOTES, LEGEND, ABBREVIATIONS

REFERENCE SHEET
ELECTRICAL SYSTEMS
SCALE : NONE

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

EFIS 0317000163	CU XX	EA 03-2H610
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ORIGINAL SCALE IS IN INCHES
Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\E-Sheets.dwg Layout Tab: E-1 Feb 02,2024 - 3:14pm Dharrington

FOR REDUCED PLANS

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF :
[Signature]
REGISTERED CIVIL ENGINEER
DATE: 12/29/2023

DESIGNED: DWH
DRAWN: DWH
CHECKED: ---
DATE: 12/29/2023
ROAD NUMBER: 114



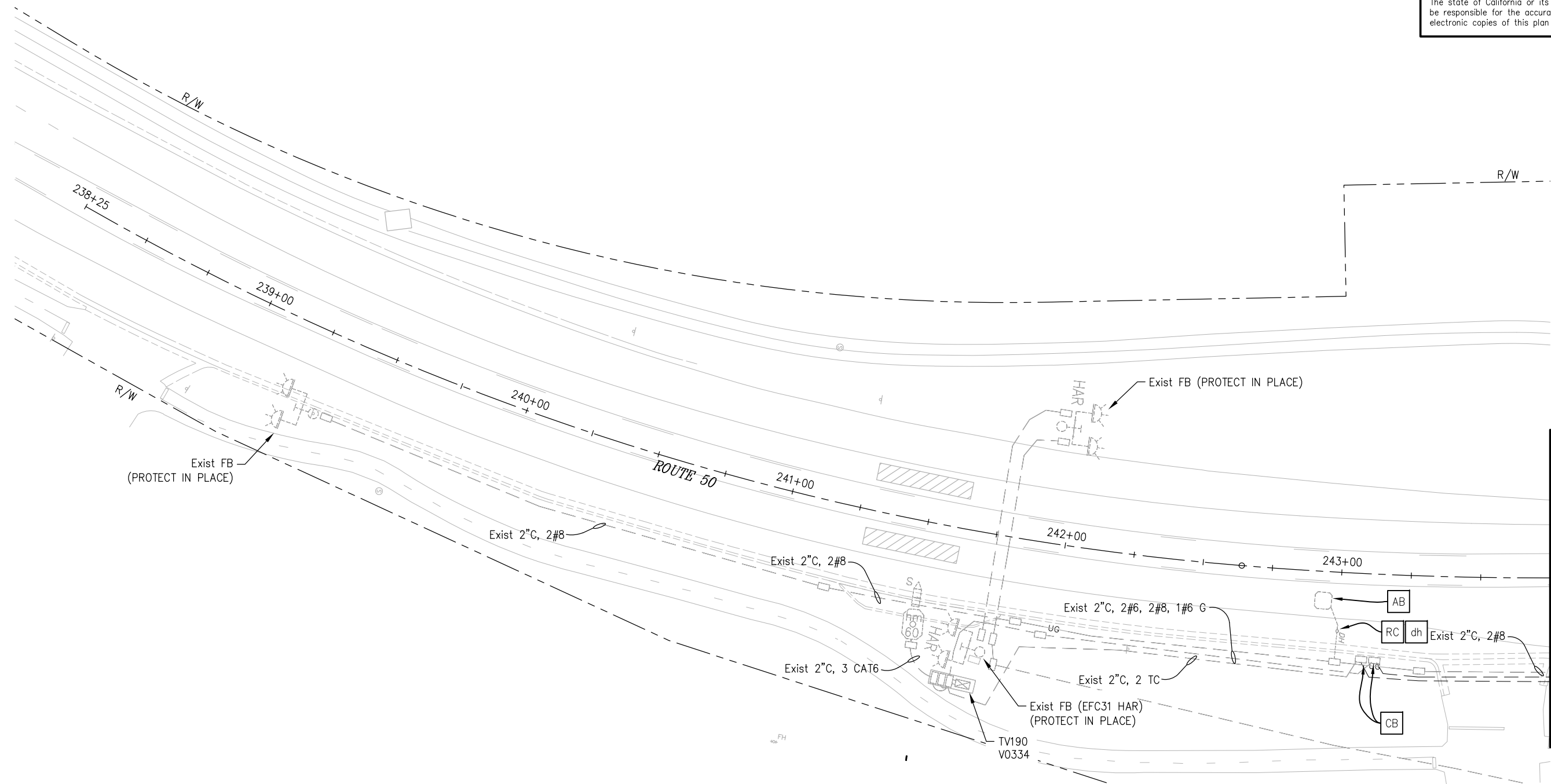
COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY IMPROVEMENT
PROJECT

SHEET
E-1
80 of 94
W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	81	94

The state of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet



NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. UTILITY INFORMATION HAS NOT BEEN PLOTTED ON THESE PLANS.
3. PROTECT ALL FACILITIES IN PLACE NOT SHOWN FOR REMOVAL OR ABANDON.

ABBREVIATIONS:

- AT&T AMERICAN TELEPHONE AND TELEGRAPH
LE LIBERTY ENERGY

ORIGINAL SCALE IS IN INCHES
Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\E-Sheets.dwg Layout Tab: E-2 Feb 02, 2024 - 3:14pm Dharrington



MODIFY SIGNAL AND LIGHTING EXISTING ELECTRICAL SYSTEM
SCALE: 1" = 20'

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

EFIS 0317000163 CU XX EA 03-2H610

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
DATE: 12/29/2023

DESIGNED: DWH
DRAWN: DWH
CHECKED: ---
DATE: 12/29/2023
ROAD NUMBER: 114



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY IMPROVEMENT
PROJECT

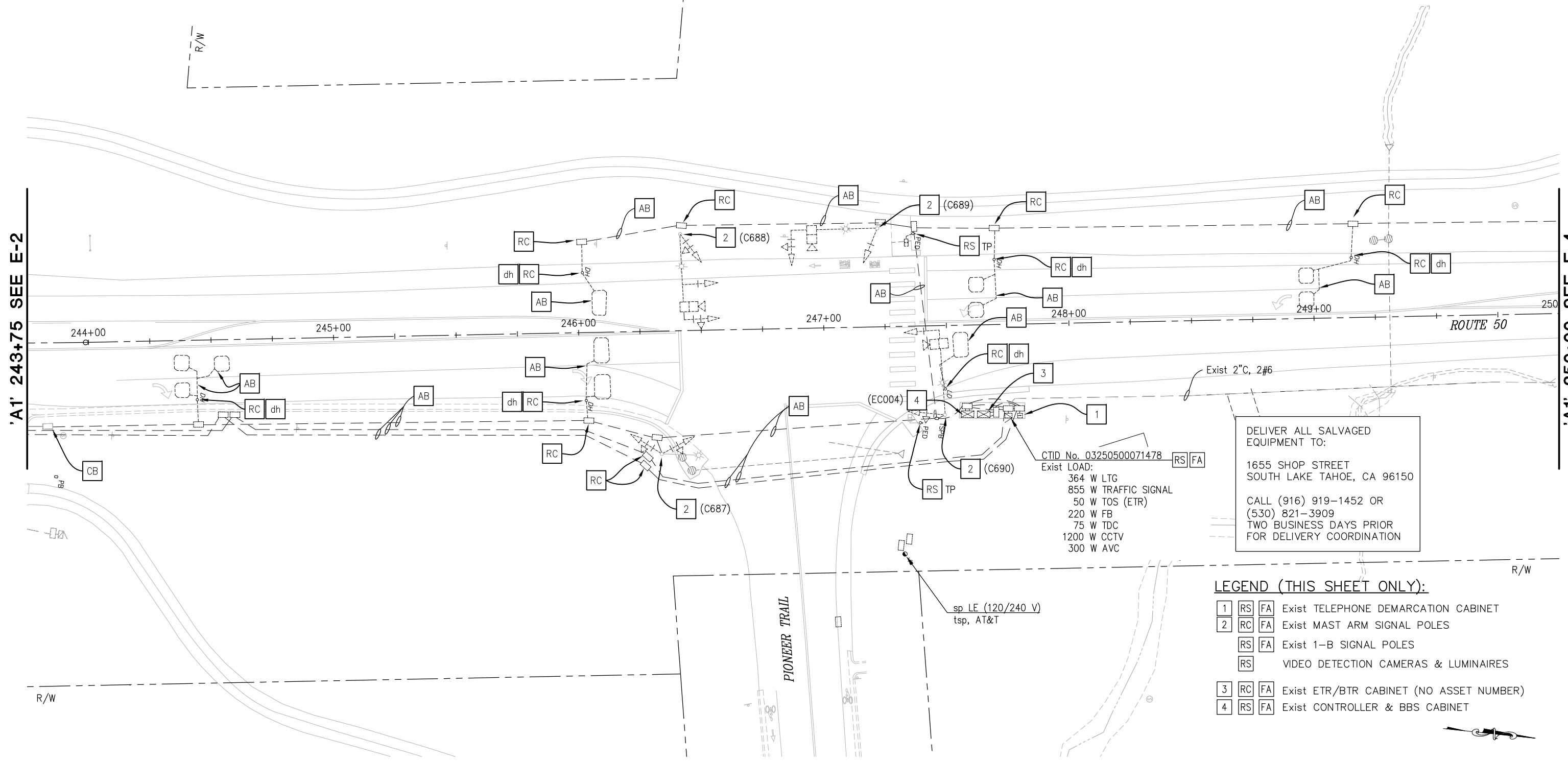
SHEET
E-2
81 OF 94
W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	82	94

The state of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet

NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- UTILITY INFORMATION HAS NOT BEEN PLOTTED ON THESE PLANS.
- PROTECT ALL FACILITIES IN PLACE NOT SHOWN FOR REMOVAL OR ABANDON.



DELIVER ALL SALVAGED EQUIPMENT TO:
 1655 SHOP STREET
 SOUTH LAKE TAHOE, CA 96150
 CALL (916) 919-1452 OR
 (530) 821-3909
 TWO BUSINESS DAYS PRIOR
 FOR DELIVERY COORDINATION

- LEGEND (THIS SHEET ONLY):**
- 1 RS FA Exist TELEPHONE DEMARCATION CABINET
 - 2 RC FA Exist MAST ARM SIGNAL POLES
 - RS FA Exist 1-B SIGNAL POLES
 - RS VIDEO DETECTION CAMERAS & LUMINAIRES
 - 3 RC FA Exist ETR/BTR CABINET (NO ASSET NUMBER)
 - 4 RS FA Exist CONTROLLER & BBS CABINET

**MODIFY SIGNAL AND LIGHTING
 EXISTING ELECTRICAL SYSTEM
 SCALE: 1" = 20'**

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

EFIS 0317000163 CU XX EA 03-2H610

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\E-Sheets.dwg Layout Tab: E-3 Feb 02, 2024 - 3:14pm Dharrington

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
[Signature]
 REGISTERED CIVIL ENGINEER
 DATE: 12/29/2023

DESIGNED: DWH
 DRAWN: DWH
 CHECKED: ---
 DATE: 12/29/2023
 ROAD NUMBER: 114



**COUNTY OF EL DORADO
 DEPARTMENT OF TRANSPORTATION**

**PIONEER TRAIL/US HIGHWAY 50
 INTERSECTION SAFETY IMPROVEMENT
 PROJECT**

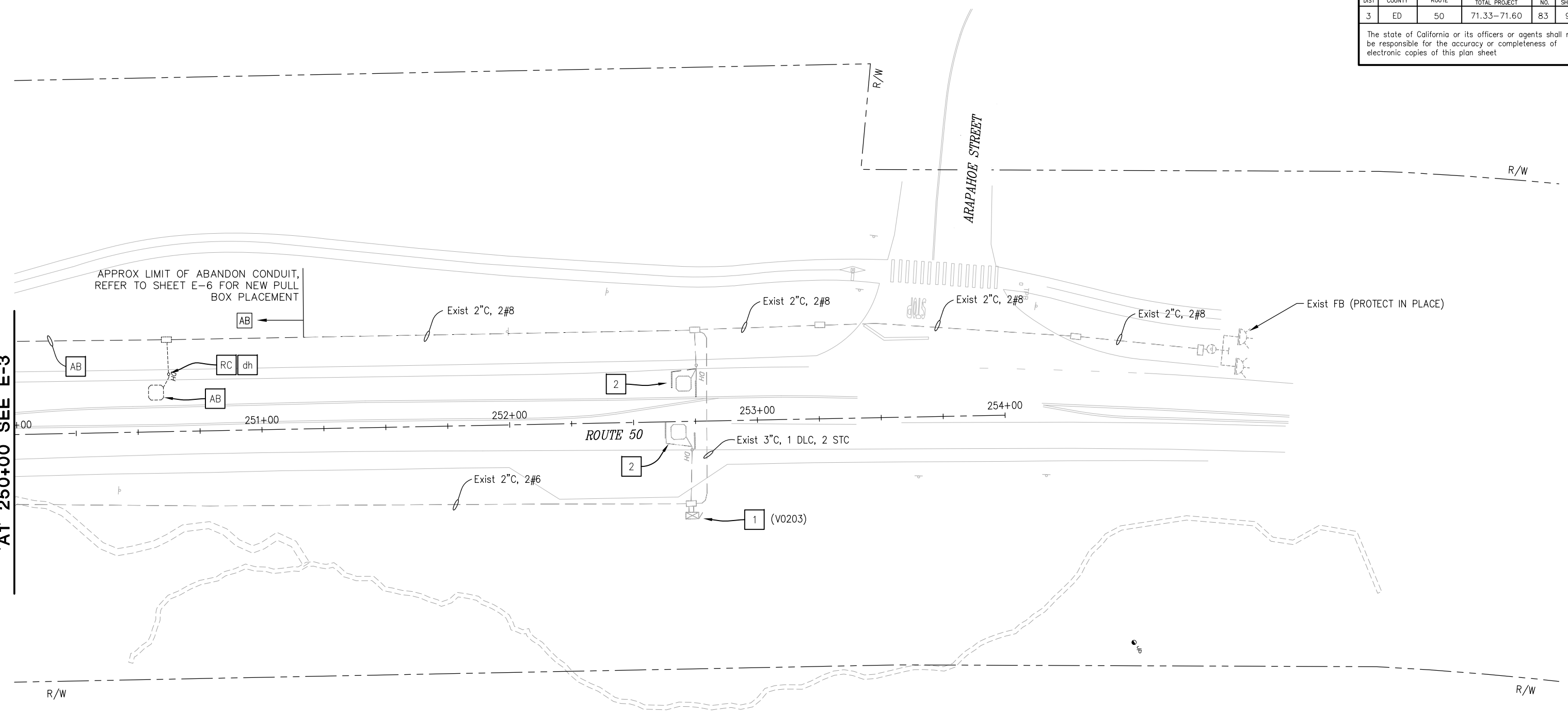
SHEET
E-3
 82 OF 94
 W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	83	94

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ORIGINAL SCALE IS IN INCHES
Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\E-Sheets.dwg Layout Tab: E-4 Feb 02, 2024 - 3:15pm Dharrington

'A1' 250+00 SEE E-3



NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- UTILITY INFORMATION HAS NOT BEEN PLOTTED ON THESE PLANS.
- PROTECT ALL FACILITIES IN PLACE NOT SHOWN FOR REMOVAL OR ABANDON.

LEGEND (THIS SHEET ONLY):

- 1 Exist 334L CABINET FOR AVC SYSTEM (PROTECT IN PLACE)
- 2 Exist PIEZOELECTRIC AXLE SENSOR AND LOOP DETECTOR (PROTECT IN PLACE)

**MODIFY SIGNAL AND LIGHTING
EXISTING ELECTRICAL SYSTEM
SCALE: 1" = 20'**

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

EFIS 0317000163 CU XX EA 03-2H610

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
DATE: 12/29/2023

DESIGNED: DWH
DRAWN: DWH
CHECKED: ---
DATE: 12/29/2023
ROAD NUMBER: 114



**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

**PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY IMPROVEMENT
PROJECT**

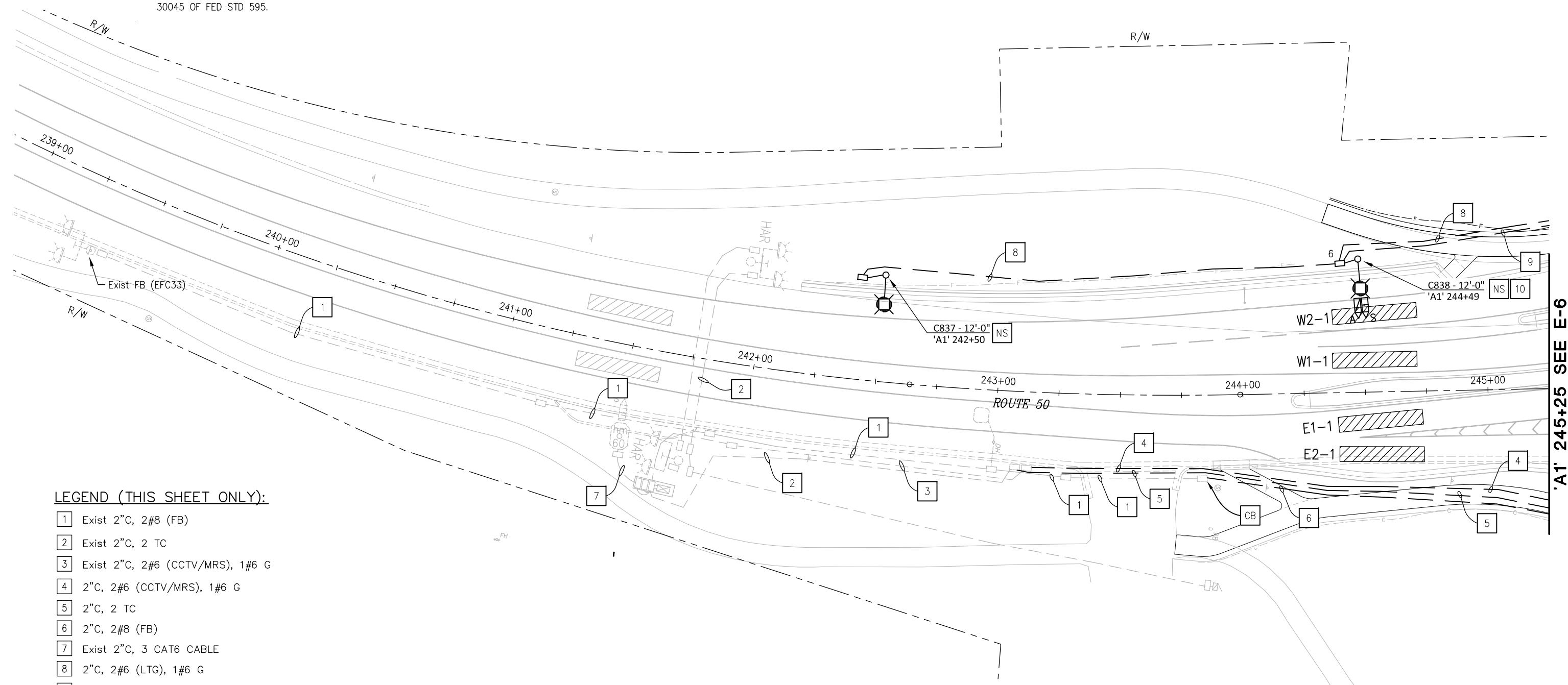
SHEET
E-4
83 OF 94
W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	84	94

The state of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet

NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- UTILITY INFORMATION HAS NOT BEEN PLOTTED ON THESE PLANS.
- ALL PULL BOXES TO BE TRAFFIC RATED, SEE DETAILS ON SHEET ED-4.
- ALL GALVANIZED SURFACES MUST BE POWDER-COATED WITH BROWN COLOR 30045 OF FED STD 595.



LEGEND (THIS SHEET ONLY):

- 1 Exist 2" C, 2#8 (FB)
- 2 Exist 2" C, 2 TC
- 3 Exist 2" C, 2#6 (CCTV/MRS), 1#6 G
- 4 2" C, 2#6 (CCTV/MRS), 1#6 G
- 5 2" C, 2 TC
- 6 2" C, 2#8 (FB)
- 7 Exist 2" C, 3 CAT6 CABLE
- 8 2" C, 2#6 (LTG), 1#6 G
- 9 2" C, 2 MRS CABLE
- 10 INSTALL MRS-S & MRS-A ON TYPE 21 STANDARD

ORIGINAL SCALE IS IN INCHES
Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\E-Sheets.dwg Layout Tab: E-5 Feb 28, 2024 - 7:23pm Dharrington

'A1' 245+25 SEE E-6

MODIFY SIGNAL AND LIGHTING LIGHTING SYSTEM SCALE: 1" = 20'

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

EFIS 0317000163 CU XX EA 03-2H610

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
DATE: 12/29/2023

DESIGNED: DWH
DRAWN: DWH
CHECKED: ---
DATE: 12/29/2023
ROAD NUMBER: 114



COUNTY OF EL DORADO DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50 INTERSECTION SAFETY IMPROVEMENT PROJECT

SHEET
E-5
84 OF 94
W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	85	94

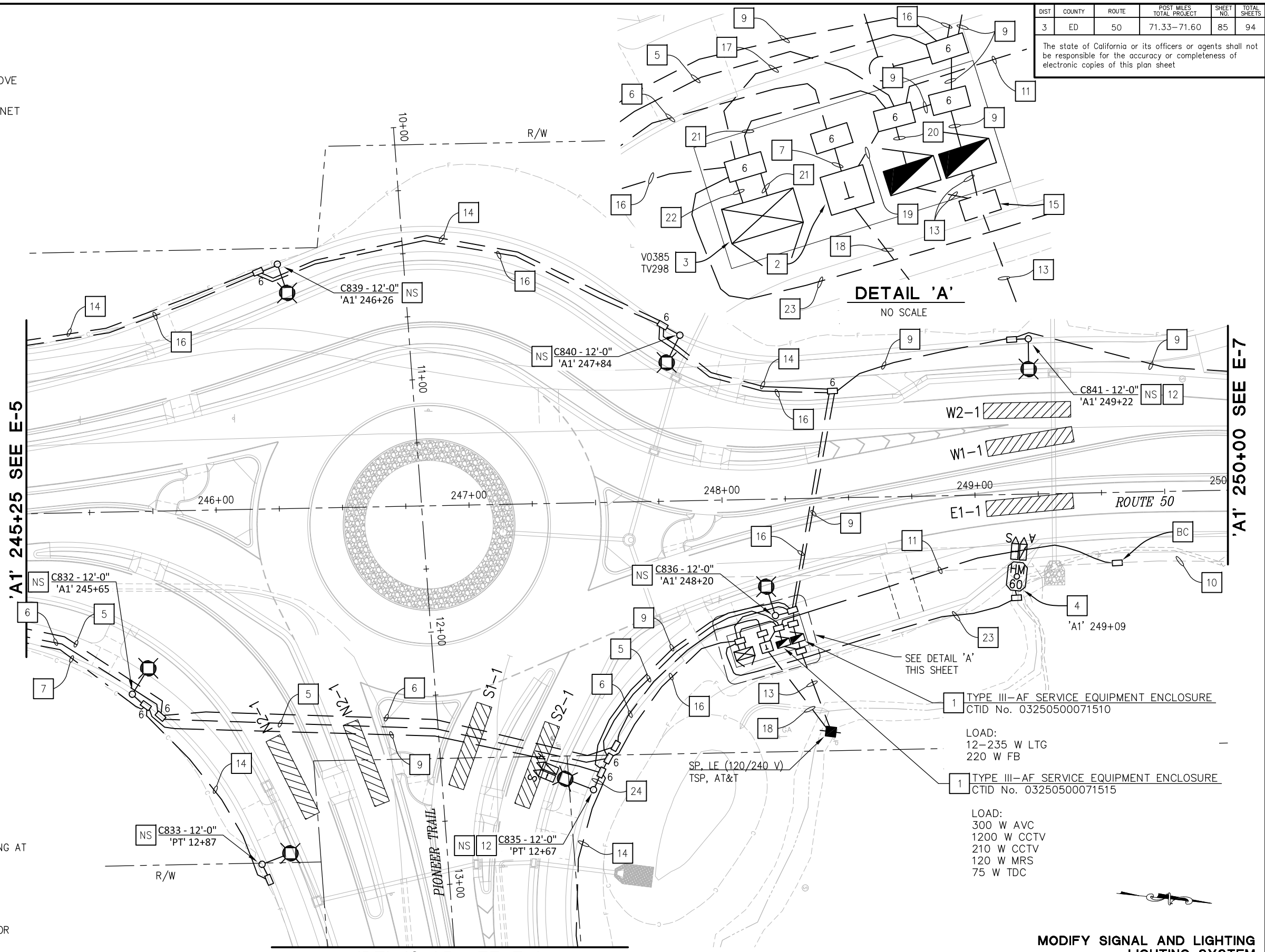
The state of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet

LEGEND (THIS SHEET ONLY):

- 1 FURNISH & INSTALL TYPE III-AF SERVICE EQUIPMENT ENCLOSURES. SEE RSP ES-2D AND WIRING DIAGRAMS ON SHEET ED-1. INSTALL SERVICE ADDRESS PLASTIC STRIP ABOVE CTID NUMBER PER LIBERTY ENERGY REQUIREMENTS.
- 2 FURNISH & INSTALL TYPE B TELEPHONE DEMARCATION CABINET
- 3 FURNISH & INSTALL TYPE 344LX CABINET ENCLOSURE
- 4 FURNISH & INSTALL HM CAMERA POLE 60 (MOD), INSTALL MRS-S & MRS-A ON HM POLE
- 5 2"C, 2#6 (CCTV/MRS), 1#6 G
- 6 2"C, 2 TC
- 7 2"C, 2#8 (FB)
- 8 (NOT USED)
- 9 2"C, 2#8 (FB), 2#6 (LTG), 1#6 G
- 10 Exist 2"C, 2#6 (AVC)
- 11 2"C, 2#6 (AVC)
- 12 INSTALL MRS-S & MRS-A ON TYPE 21 STANDARD
- 13 3"C, 3#2 (SERVICE)
- 14 2"C, 2#6 (LTG), 1#6 G
- 15 #5 PULL BOX WITH LOCKING BOLTS ON LID. COVER SHALL READ "CALTRANS SERVICE".
- 16 2"C, 2 MRS CABLE
- 17 3"C, 4 MRS CABLE
- 18 2"C, MT, AT&T TO INSTALL TELEPHONE/DSL SERVICE CABLE
- 19 2"C, 2#10 (TDC)
- 20 2"C, 2#6 (CCTV/MRS), 2#6 (AVC), 2#8 (CCTV), 2#10 (TDC), 2#10 (MRS), 1#6 G
- 21 2"C, 2#8 (CCTV), 2#10 (MRS)
- 22 4"C, 6 MRS CABLE, 3 CAT8 CABLE (CCTV)
- 23 2"C, 3 CAT8 CABLE (CCTV), 2 MRS CABLE
- 24 2"C, 2#6 (LTG), 1#6 G, 2 MRS CABLE

NOTES:

- 1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- 2. UTILITY INFORMATION HAS NOT BEEN PLOTTED ON THESE PLANS.
- 3. ALL PULL BOXES TO BE TRAFFIC RATED, SEE DETAILS ON SHEET ED-4.
- 4. ALL GALVANIZED SURFACES MUST BE POWDER-COATED WITH BROWN COLOR 30045 OF FED STD 595.



DETAIL 'A'
NO SCALE

MODIFY SIGNAL AND LIGHTING LIGHTING SYSTEM
SCALE: 1" = 20'

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

ORIGINAL SCALE IS IN INCHES
Drawing name: Z:\Civil_3D\Projects\36104026\Pioneer_Roundabout\CADD\Files\Sheets\E-Sheets.dwg
Layout Tab: E-6 Feb 02, 2024 - 3:16pm Dharrington

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
DATE: 12/29/2023

DESIGNED: DWH
DRAWN: DWH
CHECKED: ---
DATE: 12/29/2023
ROAD NUMBER: 114



**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

**PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY IMPROVEMENT
PROJECT**

SHEET
E-6
85 OF 94
W.G. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	86	94

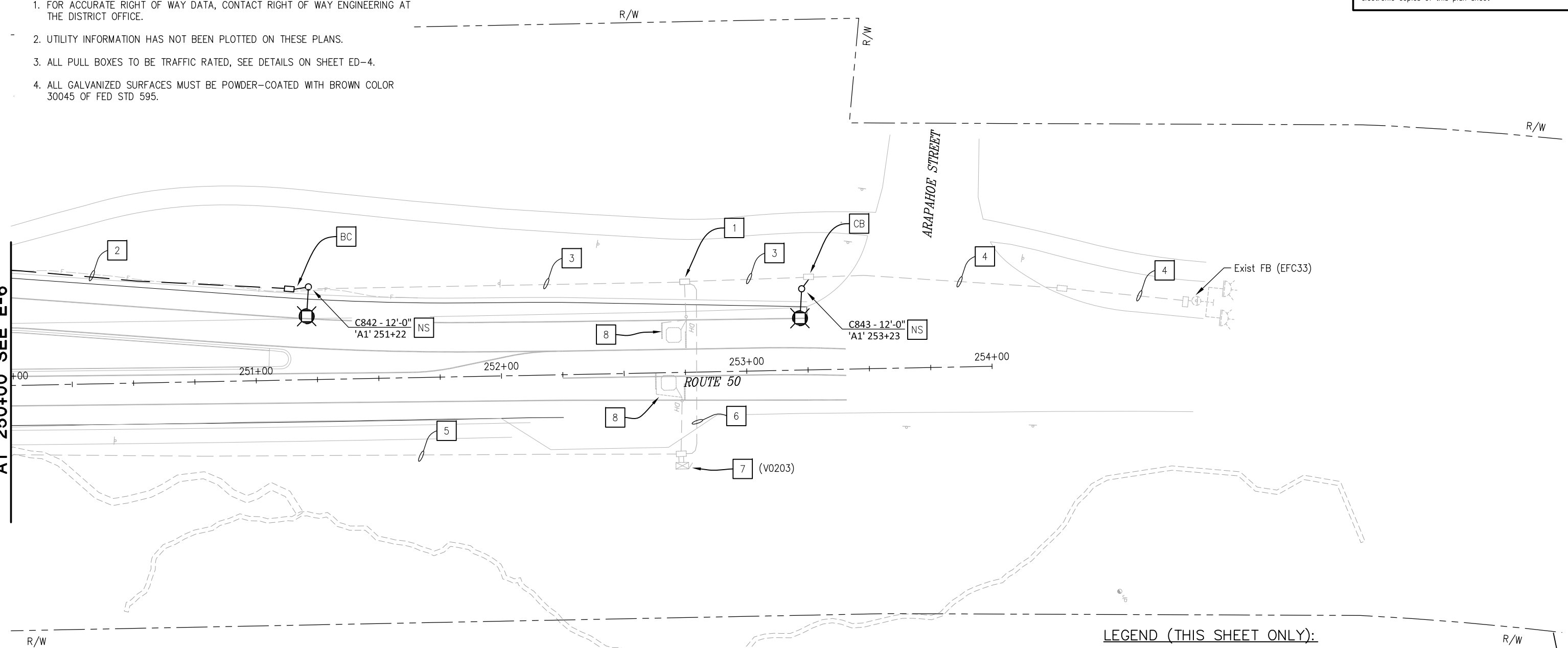
The state of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. UTILITY INFORMATION HAS NOT BEEN PLOTTED ON THESE PLANS.
3. ALL PULL BOXES TO BE TRAFFIC RATED, SEE DETAILS ON SHEET ED-4.
4. ALL GALVANIZED SURFACES MUST BE POWDER-COATED WITH BROWN COLOR 30045 OF FED STD 595.

ORIGINAL SCALE IS IN INCHES
Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\E-Sheets.dwg Layout Tab: E-7 Feb 02, 2024 - 3:16pm Dharrington

'A1' 250+00 SEE E-6



LEGEND (THIS SHEET ONLY):

- 1 RC PB, INSTALL NEW PB
- 2 2"C, 2#8 (FB), 2#6 (LTG), 1#6 G
- 3 Exist 2"C, 2#8 (FB), ADD 2#6 (LTG), ADD 1#6 G
- 4 Exist 2"C, 2#8 (FB)
- 5 Exist 2"C, 2#6 (AVC)
- 6 Exist 3"C, 1 DLC, 2 STC
- 7 Exist 334L CABINET FOR AVC SYSTEM
- 8 Exist PIEZOELECTRIC AXLE SENSOR AND LOOP DETECTOR (PROTECT IN PLACE)



MODIFY SIGNAL AND LIGHTING LIGHTING SYSTEM
SCALE: 1" = 20'

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

EFIS 0317000163	CU XX	EA 03-2H610
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REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
DATE: 12/29/2023

DESIGNED: DWH
DRAWN: DWH
CHECKED: ---
DATE: 12/29/2023
ROAD NUMBER: 114



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY IMPROVEMENT
PROJECT

SHEET
E-7
86 OF 94
W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	87	94

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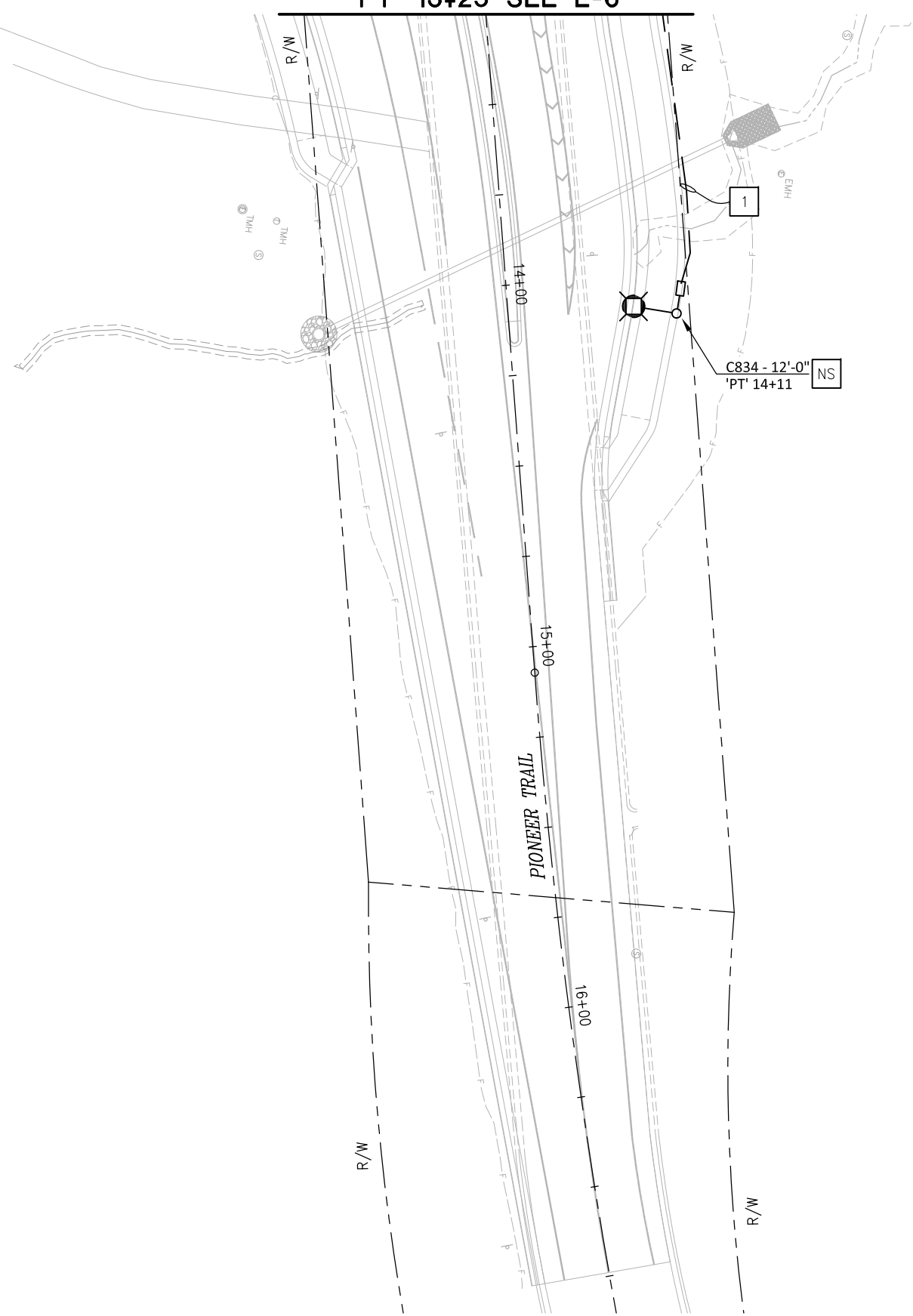
'PT' 13+25 SEE E-6

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. UTILITY INFORMATION HAS NOT BEEN PLOTTED ON THESE PLANS.
3. ALL PULL BOXES TO BE TRAFFIC RATED, SEE DETAILS ON SHEET ED-4.
4. ALL GALVANIZED SURFACES MUST BE POWDER-COATED WITH BROWN COLOR 30045 OF FED STD 595.

LEGEND (THIS SHEET ONLY):

1 2"C, 2#6 (LTG), 1#6 G



ORIGINAL SCALE IS IN INCHES
Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\E-Sheets.dwg Layout Tab: E-8 Feb 02,2024 - 3:16pm Dharrington



MODIFY SIGNAL AND LIGHTING LIGHTING SYSTEM SCALE: 1" = 20'

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

EFIS 0317000163 CU XX EA 03-2H610

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
DATE: 12/29/2023

DESIGNED: DWH
DRAWN: DWH
CHECKED: --
DATE: 12/29/2023
ROAD NUMBER: 114



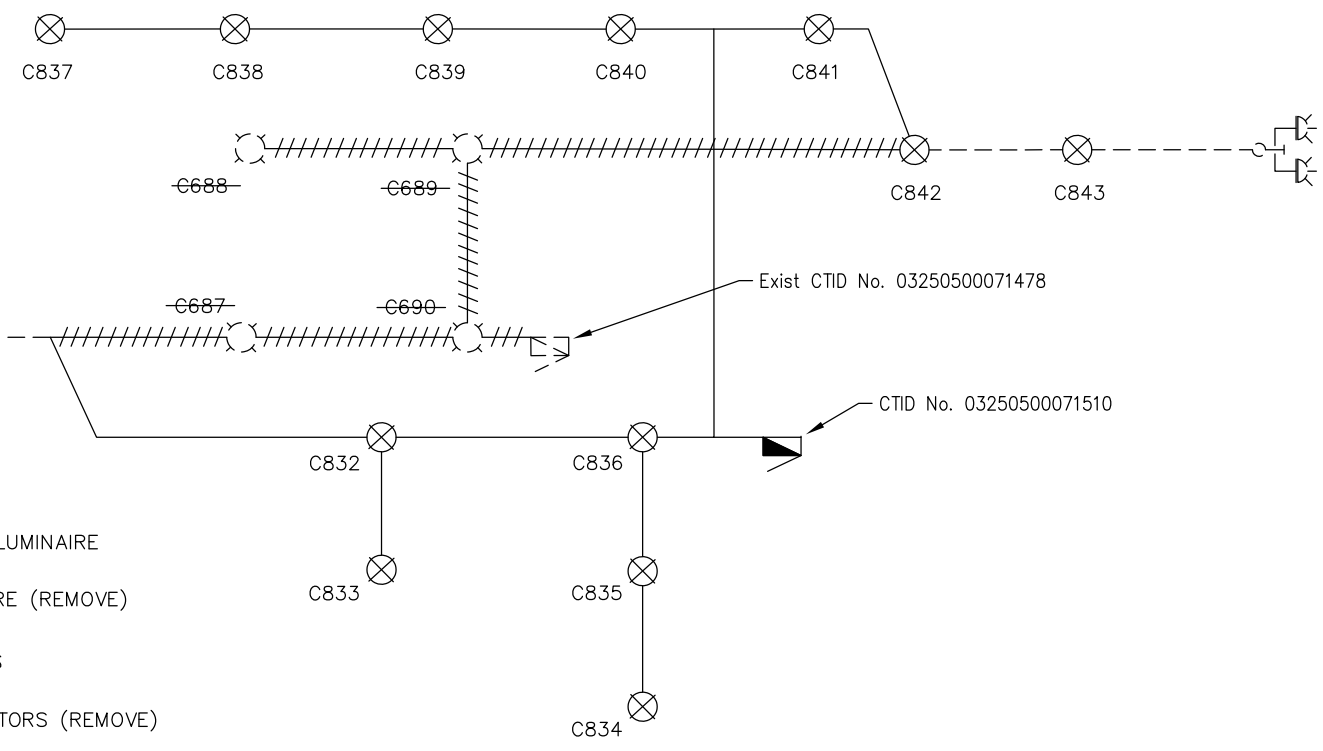
COUNTY OF EL DORADO DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50 INTERSECTION SAFETY IMPROVEMENT PROJECT

SHEET E-8 87 OF 94 W.O. No. 7614

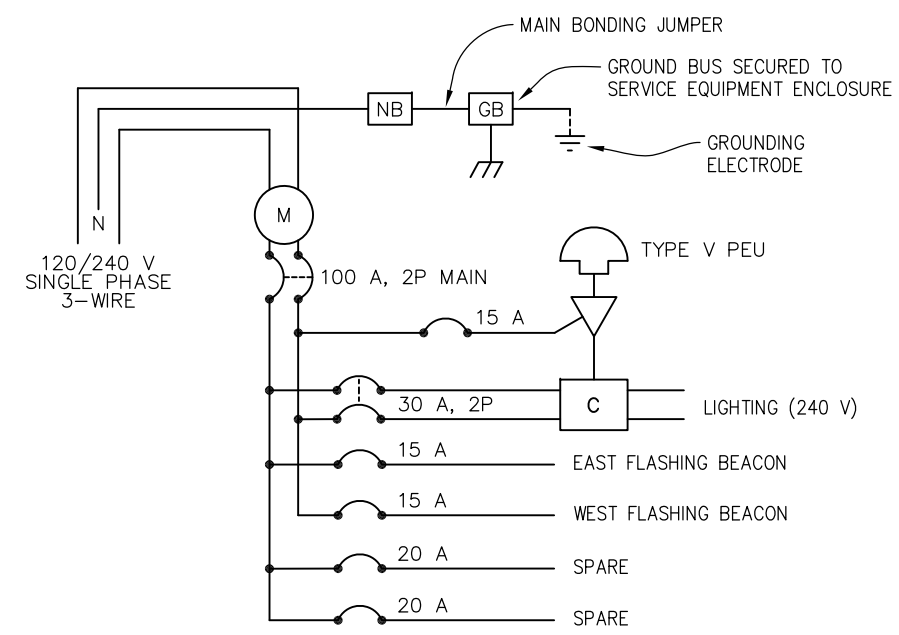
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	88	94

The state of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet



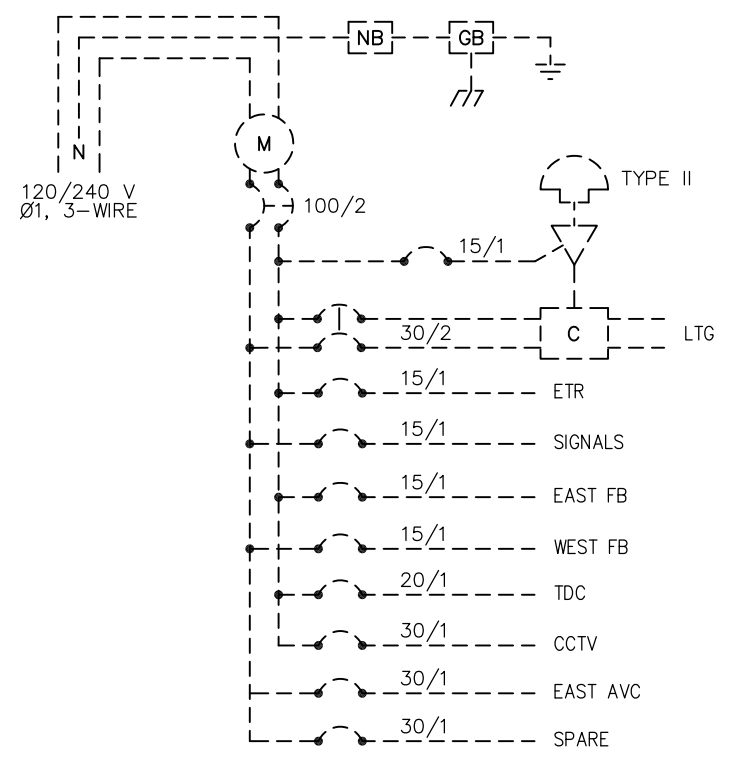
MODIFIED LIGHTING CIRCUIT DIAGRAM
CTID No. 03250500071510

- LEGEND:**
- ⊗ NEW 235 W LED LUMINAIRE
 - ⊘ EXISTING LUMINAIRE (REMOVE)
 - NEW CONDUCTORS
 - #### EXISTING CONDUCTORS (REMOVE)
 - EXISTING CONDUCTORS TO REMAIN

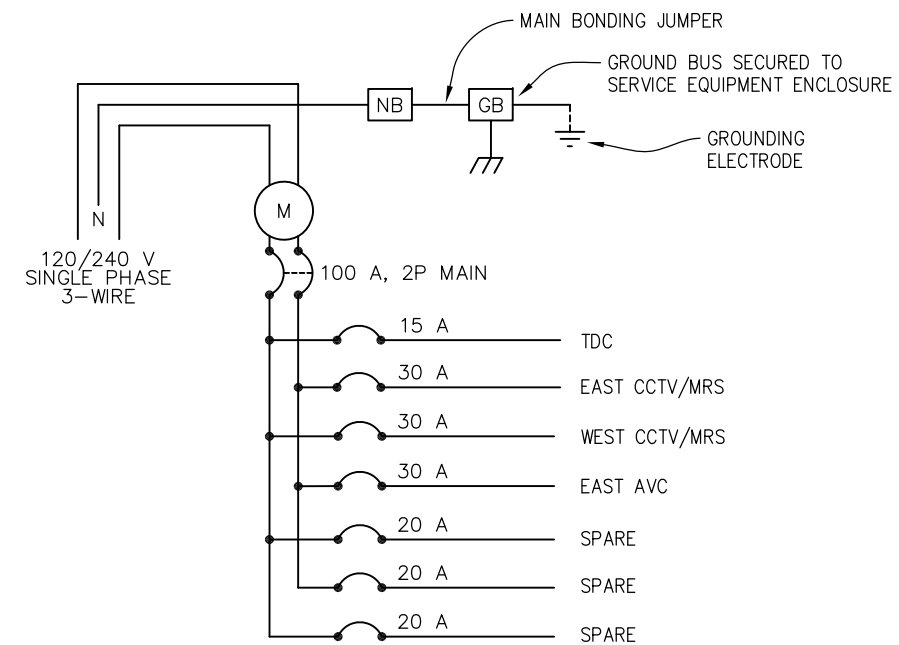


SERVICE WIRING DIAGRAM
CTID No. 03250500071510
ADDRESS: 2833 HIGHWAY 50 MEYERS

- WIRING DIAGRAM LEGEND:**
- C** CONTACTOR
 - GB** GROUND BUS
 - NB** NEUTRAL BUS
 - ▽ AUTO-TEST SWITCH (15 A, 1P)
 - ☒ PHOTOELECTRIC UNIT
 - M** METER SOCKET



Exist SERVICE WIRING DIAGRAM
CTID No. 03250500071478



SERVICE WIRING DIAGRAM
CTID No. 03250500071515
ADDRESS: 2833 HIGHWAY 50 MEYERS

MODIFY SIGNAL AND LIGHTING ELECTRICAL SYSTEM DETAILS
SCALE : NONE

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

EFIS 0317000163	CU XX	EA 03-2H610
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ORIGINAL SCALE IS IN INCHES
Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\E-Sheets.dwg
Layout Tab: ED-1 Feb 02, 2024 - 3:17pm DHarrington

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF :
Justin W. Harrington
REGISTERED CIVIL ENGINEER
DATE: 12/29/2023

DESIGNED: DWH
DRAWN: DWH
CHECKED: ---
DATE: 12/29/2023
ROAD NUMBER: 114



**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

**PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY IMPROVEMENT
PROJECT**

SHEET
ED-1
88 OF 94
W.O. No.
7614

The state of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet

SIGNAL ASSET IN/MODIFY TABLE

ASSET No.	TMS ID	ASSET TYPE	SIGNAL TYPE	SHEET No.	MODIFY OR NEW	CTID	CABINET TYPE	INCLUDES MVP?	ASSET TOTAL WATTS	MOUNT TYPE	CABINET LATITUDE	CABINET LONGITUDE	COMMENTS
TV190 V0334	4091 4092	CCTV MRS	S V	E-2	MODIFY	03250500071515	334	E	160	HM-60	38.858137	-120.011831	CHANGE SERVICE PEDESTAL FROM CTID 03250500071478
V0203	2969	AVC	U	E-4	MODIFY	03250500071515	334	E	300	N/A	38.861181	-120.012212	CHANGE SERVICE PEDESTAL FROM CTID 03250500071478
EFC33	N/A	FLASHING BEACON	F	E-5	MODIFY	03250500071510	NEMA 3R	Z	110	TYPE 15 FBS	38.857467	-120.012105	CONVERT FLASHING BEACON FROM SIGNAL AHEAD TO ROUNDABOUT AHEAD AND MOVE TO NEW CTID WITH NEW ASSET NUMBER
TV298 V0385	4740 5120	CCTV MRS	S V	E-6	NEW	03250500071515	344LX	N	370	HM-60 (MOD)			
EFC33	N/A	FLASHING BEACON	F	E-7	MODIFY	03250500071510	NEMA 3R	Z	110	TYPE 15 FBS	38.861730	-120.012518	CONVERT FLASHING BEACON FROM SIGNAL AHEAD TO ROUNDABOUT AHEAD AND MOVE TO NEW CTID WITH NEW ASSET NUMBER

LIGHTING ASSET IN/MODIFY TABLE

ASSET No.	SHEET No.	MODIFY OR NEW	CTID	LIGHT TYPE	POLE TYPE	BASE TYPE	FIXTURE TYPE	DESIGN FIXTURE WATTAGE	INSTALLED FIXTURE WATTAGE	LATITUDE	LONGITUDE	COMMENTS
C832	E-6	NEW	03250500071510	L	21	FIXED	LED	235				
C833	E-6	NEW	03250500071510	L	21	FIXED	LED	235				
C834	E-8	NEW	03250500071510	L	21	FIXED	LED	235				
C835	E-6	NEW	03250500071510	L	21	FIXED	LED	235				
C836	E-6	NEW	03250500071510	L	21	FIXED	LED	235				
C837	E-5	NEW	03250500071510	L	21	FIXED	LED	235				
C838	E-5	NEW	03250500071510	L	21	FIXED	LED	235				
C839	E-6	NEW	03250500071510	L	21	FIXED	LED	235				
C840	E-6	NEW	03250500071510	L	21	FIXED	LED	235				
C841	E-6	NEW	03250500071510	L	21	FIXED	LED	235				
C842	E-7	NEW	03250500071510	L	21	FIXED	LED	235				
C843	E-7	NEW	03250500071510	L	21	FIXED	LED	235				

LEGEND:

- F = FLASHING BEACON - FULL TIME (SIGNAL TYPE)
- S = SURVEILLANCE CAMERA - CCTV (SIGNAL TYPE)
- U = VEHICLE DETECTION SYSTEMS - CENSUS (SIGNAL TYPE)
- V = VEHICLE DETECTION SYSTEMS - TMS (SIGNAL TYPE)
- E = EXISTING ADEQUATE MVP (MVP DISPOSITION)
- N = NEW MVP UNDER THIS PROJECT (MVP DISPOSITION)
- Z = NO MVP PRESENT (MVP DISPOSITION)
- L = HIGHWAY LIGHT (LIGHT TYPE)
- LED = LIGHT EMITTING DIODE (FIXTURE TYPE)

NOTES:

1. ASSET TABLES ARE PROVIDED FOR REFERENCE ONLY AND ARE NOT A BID ITEM.
2. THE ENGINEER WILL SUPPLY REQUESTED INFORMATION IN THE SPACES PROVIDED FOR THE AS-BUILT RECORD.
3. COORDINATES MUST BE PROVIDED IN DECIMAL FORMAT TO SIX DECIMAL PLACES.

MODIFY SIGNAL AND LIGHTING ELECTRICAL SYSTEM DETAILS
SCALE : NONE

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

EFIS 0317000163 CU XX EA 03-2H610

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\E-Sheets.dwg Layout Tab: ED-2 Feb 02,2024 - 3:17pm Dharrington

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF :
[Signature]
REGISTERED CIVIL ENGINEER
DATE: 12/29/2023

DESIGNED: DWH
DRAWN: DWH
CHECKED: ---
DATE: 12/29/2023
ROAD NUMBER: 114



COUNTY OF EL DORADO DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50 INTERSECTION SAFETY IMPROVEMENT PROJECT

SHEET
ED-2
89 OF 94
W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	90	94

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SERVICE EQUIPMENT IN/MODIFY/OUT TABLE

SHEET No.	NEW MODIFY OR REMOVE?	CTID	MAINTENANCE RESPONSIBILITY	UTILITY ACCOUNT OWNER	SUBPANEL?	CABINET TYPE	PHASE/WIRE	INPUT VOLTAGE	OUTPUT VOLTAGE	TRANSFORMER STEP UP/DOWN & KVA	UTILITY CO.	METER No.	ACCOUNT No.	LATITUDE	LONGITUDE	COMMENTS
E-3	REMOVE	03250500071478	CALTRANS	EL DORADO COUNTY	N	III-AF MODIFIED	1/3	120/240	120/240	N/A	LBTY			38.859810	-120.012050	SERVICE OUT DATE:
E-6	NEW	03250500071510	CALTRANS	EL DORADO COUNTY	N	III-AF	1/3	120/240	120/240	N/A	LBTY					
E-6	NEW	03250500071515	CALTRANS	CALTRANS	N	III-AF	1/3	120/240	120/240	N/A	LBTY					

ASSET REMOVAL TABLE

ASSET No.	TMS ID	SHEET No.	ASSET FAMILY	CTID	SIGNAL OR LIGHT TYPE	[RS] OR [RC]	REMOVED DATE	COMMENTS
EC004	N/A	E-3	SIGNAL	03250500071478	P	[RS]		
C687	N/A	E-3	LIGHT	03250500071478	E	[RS]		
C688	N/A	E-3	LIGHT	03250500071478	E	[RC]		
C689	N/A	E-3	LIGHT	03250500071478	E	[RC]		
C690	N/A	E-3	LIGHT	03250500071478	E	[RC]		

LEGEND:

- LBTY = LIBERTY UTILITIES (UTILITY SERVICE PROVIDER)
- E = SIGNAL AND LIGHTING COMBO POLE (SIGNAL OR LIGHT TYPE)
- P = TRAFFIC SIGNAL (SIGNAL OR LIGHT TYPE)

NOTES:

1. ASSET TABLES ARE PROVIDED FOR REFERENCE ONLY AND ARE NOT A BID ITEM.
2. THE ENGINEER WILL SUPPLY REQUESTED INFORMATION IN THE SPACES PROVIDED FOR THE AS-BUILT RECORD.
3. COORDINATES MUST BE PROVIDED IN DECIMAL FORMAT TO SIX DECIMAL PLACES.

MODIFY SIGNAL AND LIGHTING

SHEET No.	No. 5 (T) PULLBOX	No. 6 (T) PULLBOX	2" C	3" C	4" C	#2	#6	#8	#10	CAT8 CABLE	MRS CABLE	TELEPHONE CABLE
	EA	EA	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT
E-5	1	1	940				1485	280			180	430
E-6	6	12	2585	65	5	135	4385	1260	65	400	1390	640
E-7	1		115				345	230				
E-8	1		80				240					

MODIFY SIGNAL AND LIGHTING ELECTRICAL SYSTEM DETAILS SCALE : NONE

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

EFIS 0317000163	CU XX	EA 03-2H610
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ORIGINAL SCALE IS IN INCHES
Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\E-Sheets.dwg Layout Tab: ED-3 Feb. 02.2024 - 3:18pm Dharrington

FOR REDUCED PLANS

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
Justin W. Harrington
REGISTERED CIVIL ENGINEER
DATE: 12/29/2023

DESIGNED: DWH
DRAWN: DWH
CHECKED: ---
DATE: 12/29/2023
ROAD NUMBER: 114



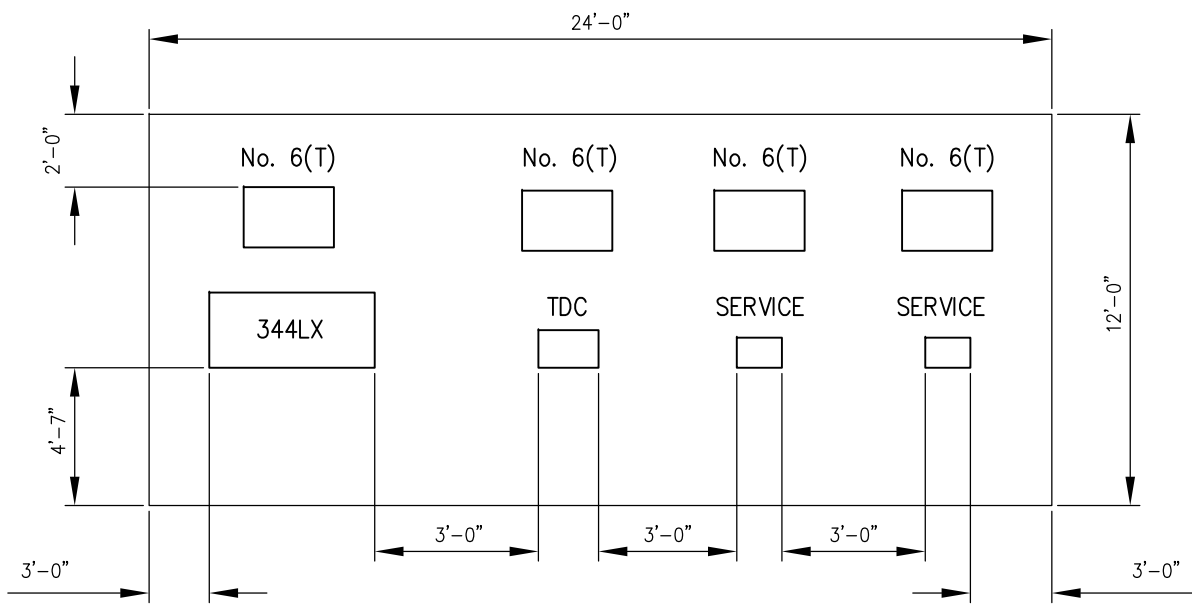
COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY IMPROVEMENT
PROJECT

SHEET
ED-3
90 OF 94
W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	91	94

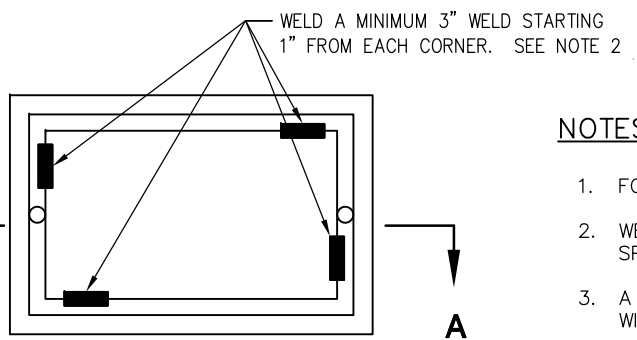
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CABINET FOUNDATION PAD DETAIL

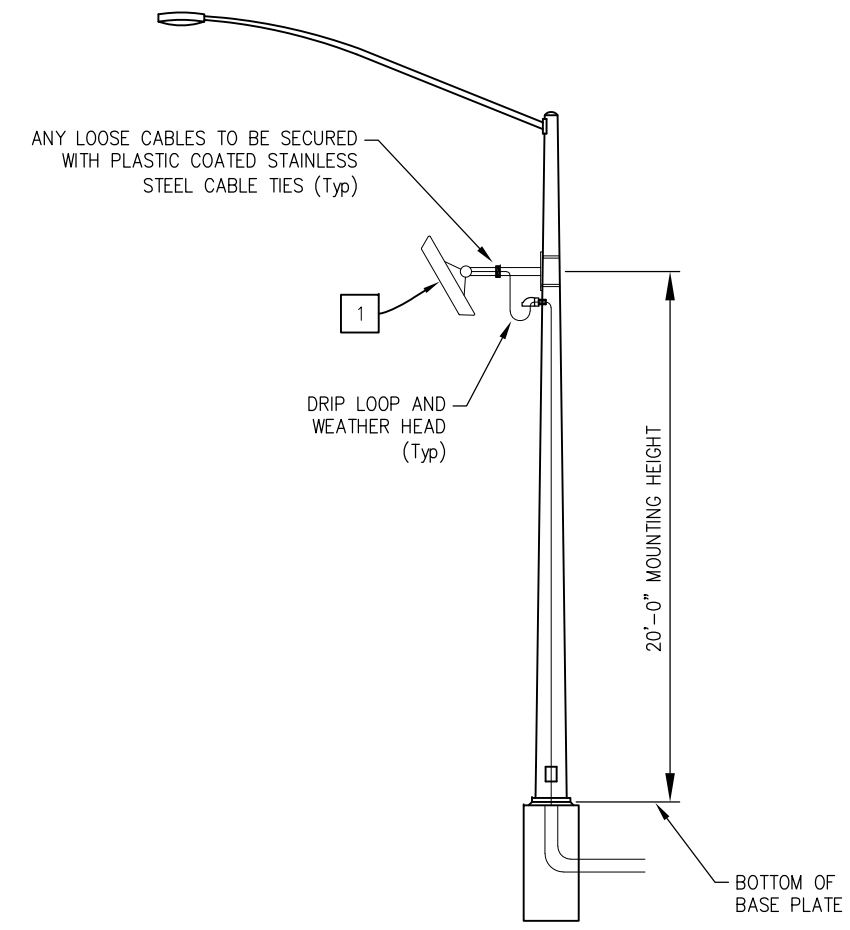
FOUNDATION NOTES:

1. FOR ADDITIONAL DETAILS, SEE STANDARD PLANS ES-2D, ES-3C1, AND ES-3E.



NOTES ON PULL BOXES:

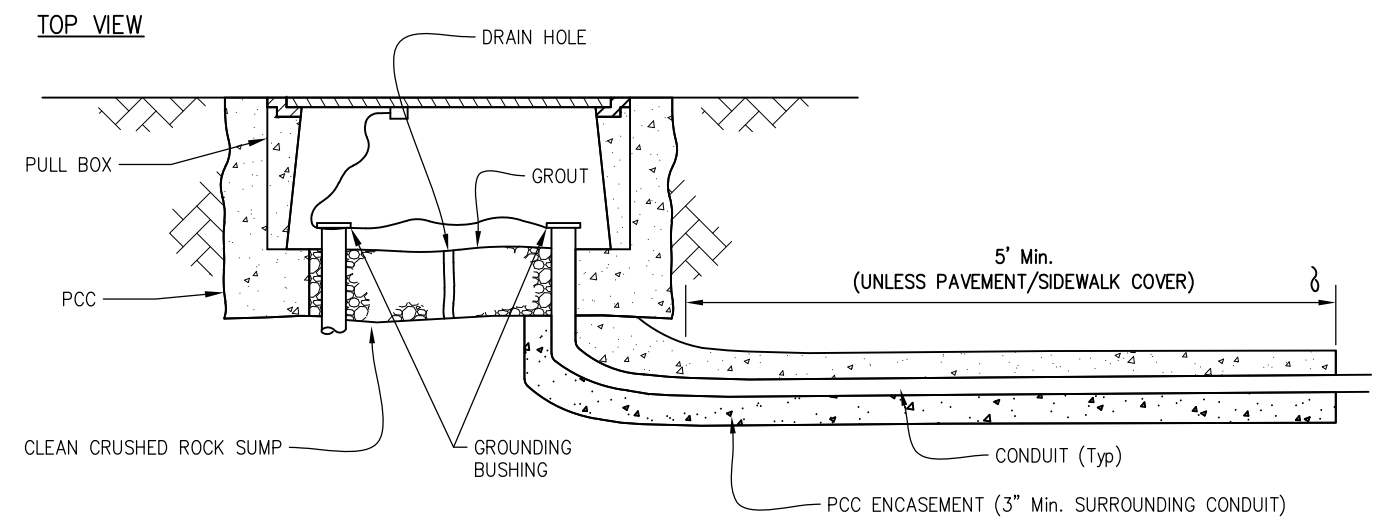
1. FOR ADDITIONAL DETAILS, SEE STANDARD PLAN ES-8B.
2. WELDING SHALL COMPLY WITH REQUIREMENT IN STANDARD SPECIFICATION SECTION 75.
3. A PULL BOX FOR A POST OR A POLE STANDARD MUST BE LOCATED WITHIN 5 FEET OF THE STANDARD.



MRS MOUNTING ON TYPE 21 (MOD)

LEGEND: (THIS SHEET ONLY)

ITEM #	DESCRIPTION	HEIGHT	WIDTH	DEPTH	WEIGHT	CABLE HOLE SIZE
1	MRS SIDEFIRE / ANGLEFIRE	10.6"	13.2"	3.3"	4.5 LBS	1" THREADED HOLE



**SECTION A-A
TRAFFIC PULL BOX**

**MODIFY SIGNAL AND LIGHTING ELECTRICAL SYSTEM DETAILS
SCALE : NONE**

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

EFIS 0317000163 CU XX EA 03-2H610

ORIGINAL SCALE IS IN INCHES
Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\E-Sheets.dwg Layout Tab: ED-4 Feb 02,2024 3:18pm Dharrington

FOR REDUCED PLANS

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
Justin W. Harrington
REGISTERED CIVIL ENGINEER
DATE: 12/29/2023

DESIGNED: DWH
DRAWN: DWH
CHECKED: ---
DATE: 12/29/2023
ROAD NUMBER: 114



**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

**PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY IMPROVEMENT
PROJECT**

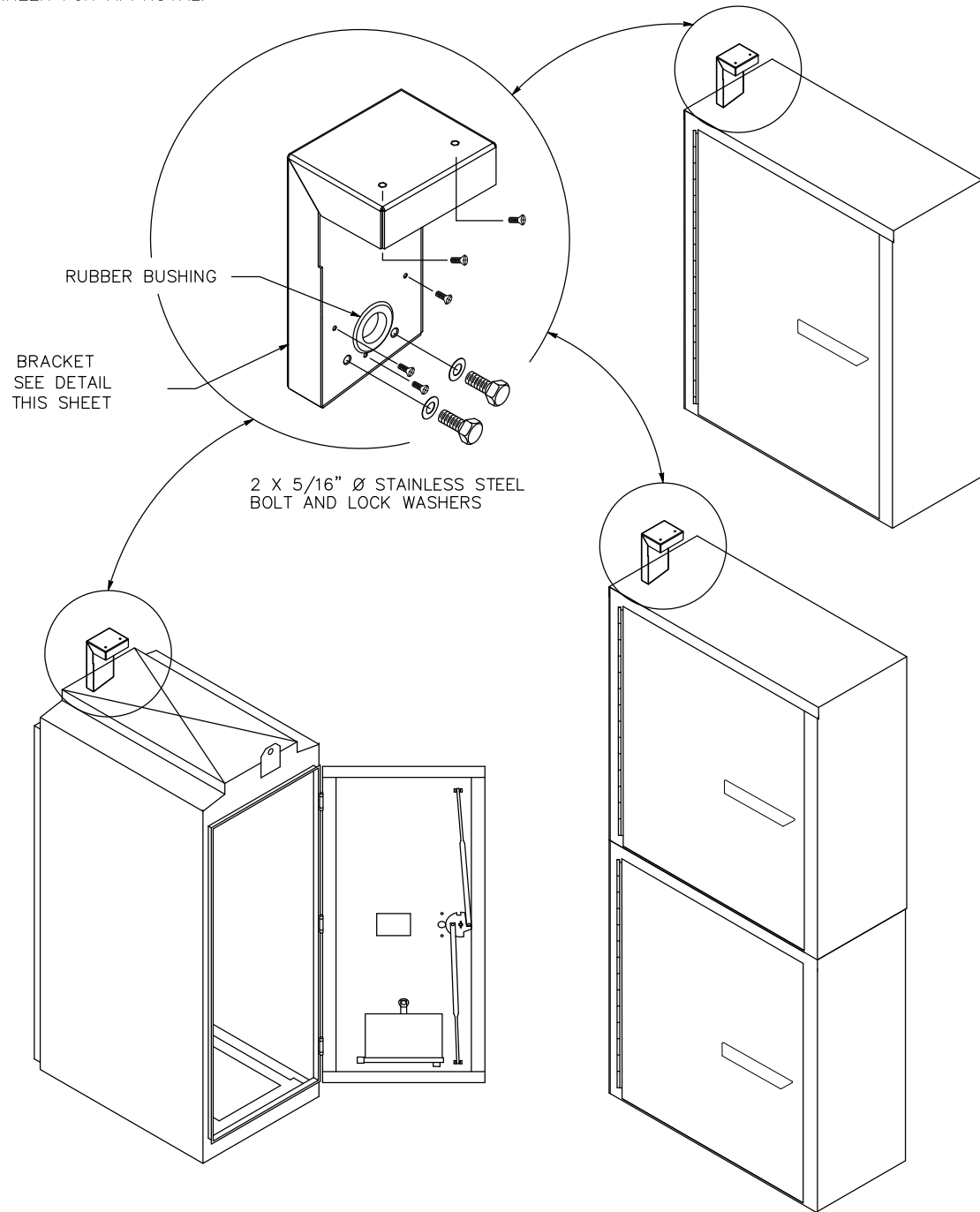
SHEET
ED-4
91 OF 94
W.O. No.
7614

NOTES:

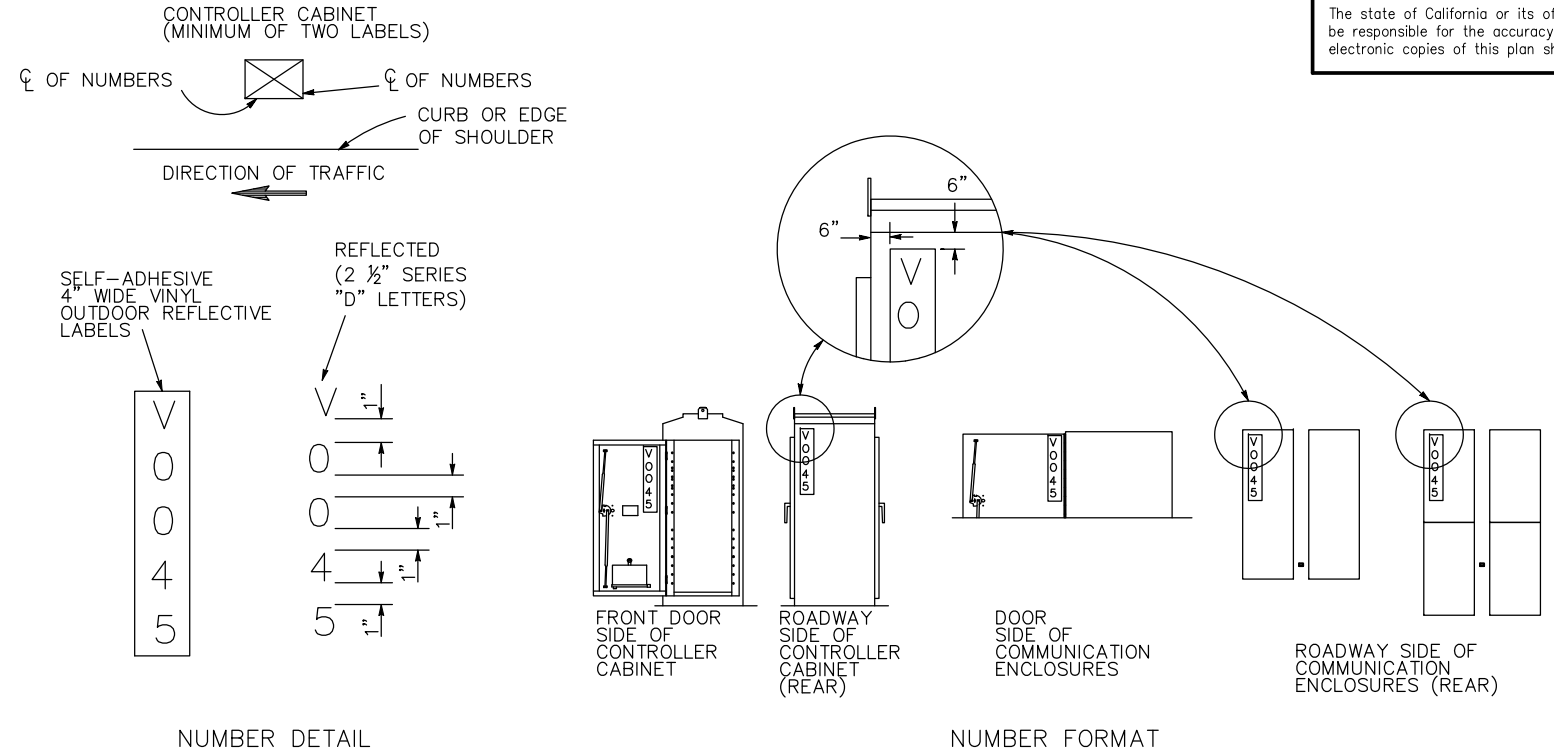
1. LABELS INCLUDE CABINET OR ENCLOSURE NAMES, IMMS NUMBERS, CABINET QR CODES, CENSUS NAMES, AND TOS IDS AS DETAILED IN THE PLAN SHEETS AND OBTAINED BY THE DEPARTMENT ENGINEER.
2. CABINET NAME LABELS ARE 4"W x 18"L IN HORIZONTAL ORIENTATION.
3. TOS ID LABELS ARE 4"W x 3"L IN HORIZONTAL ORIENTATION.
4. ALL OTHER LABELS ARE 4"W x 25"L IN VERTICAL ORIENTATION.
5. ALL LETTERS AND SYMBOLS MUST BE CAPITALIZED.
6. THE CONTRACTOR SHALL SUBMIT A PROTOTYPE OF THE BRACKET TO THE ENGINEER FOR APPROVAL.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	92	94

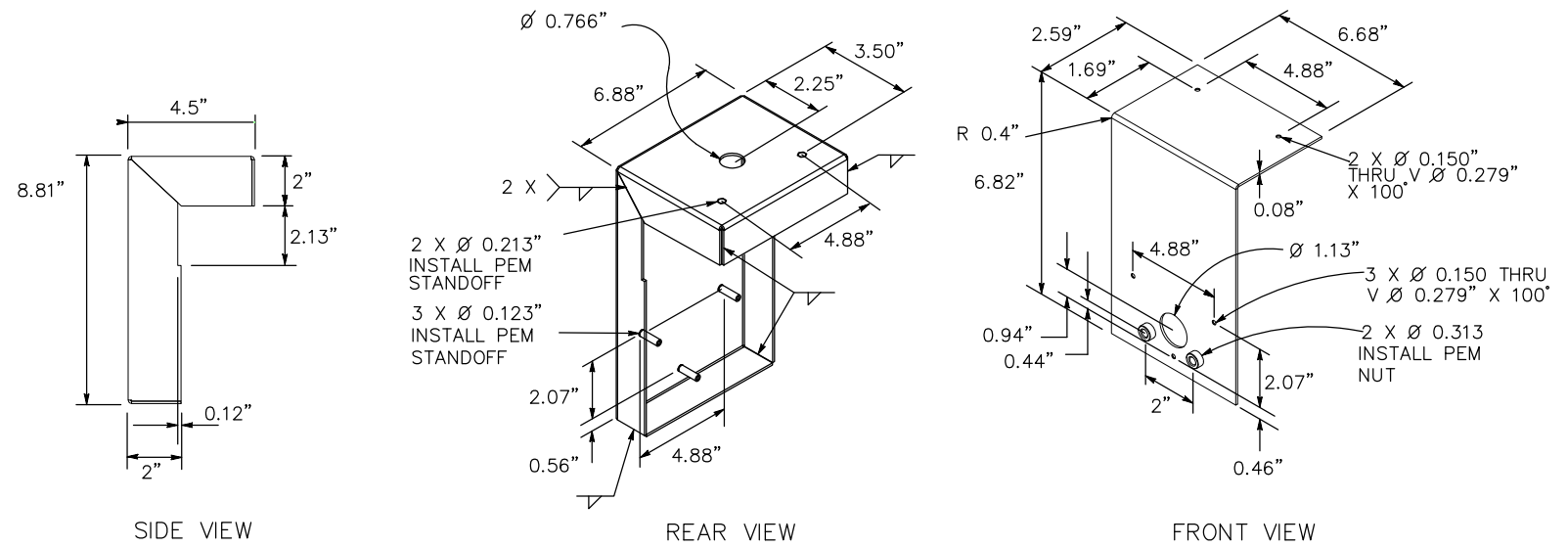
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ANTENNA BRACKET MOUNTING DETAIL



LOCATION OF EQUIPMENT NUMBERS ON CABINET



BRACKET DETAIL

5G LTE ANTENNA BRACKET & EQUIPMENT NUMBERING

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

MODIFY SIGNAL AND LIGHTING ELECTRICAL SYSTEM DETAILS SCALE : NONE

ORIGINAL SCALE IS IN INCHES
Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\E-Sheets.dwg Layout Tab: ED-5 Feb 02 2024 - 3:18pm Dharrington

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF :
[Signature]
REGISTERED CIVIL ENGINEER
DATE: 12/29/2023

DESIGNED: DWH
DRAWN: DWH
CHECKED: ---
DATE: 12/29/2023
ROAD NUMBER: 114



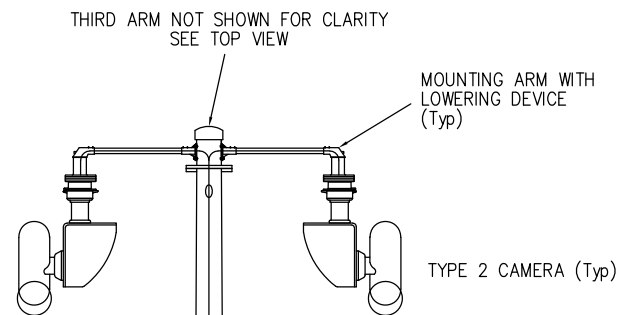
COUNTY OF EL DORADO DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50 INTERSECTION SAFETY IMPROVEMENT PROJECT

SHEET
ED-5
92 OF 94
W.O. No. **7614**

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	93	94

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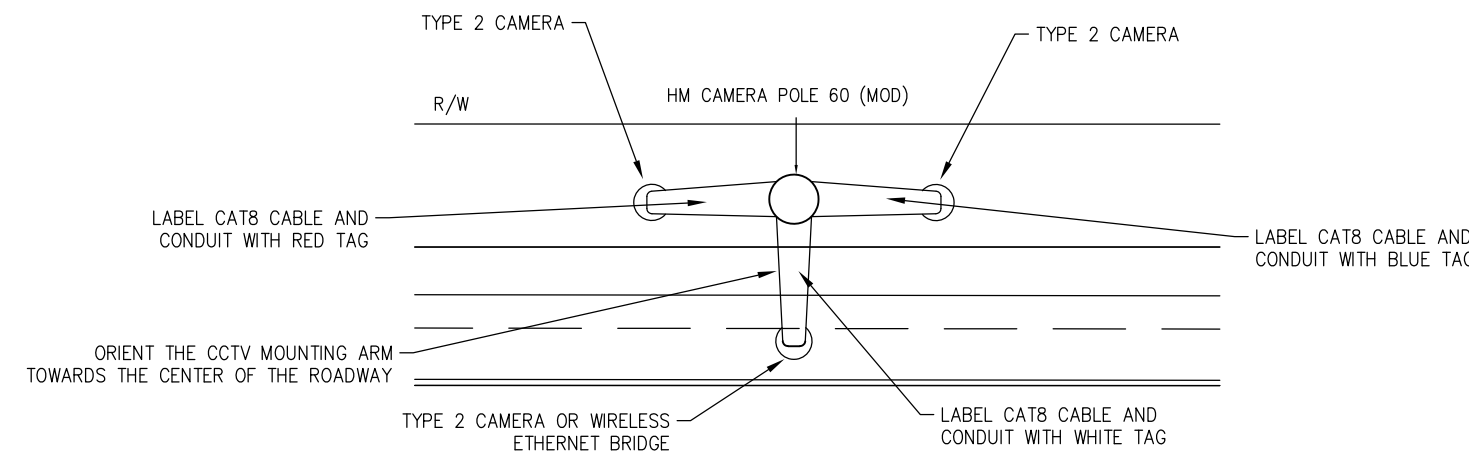
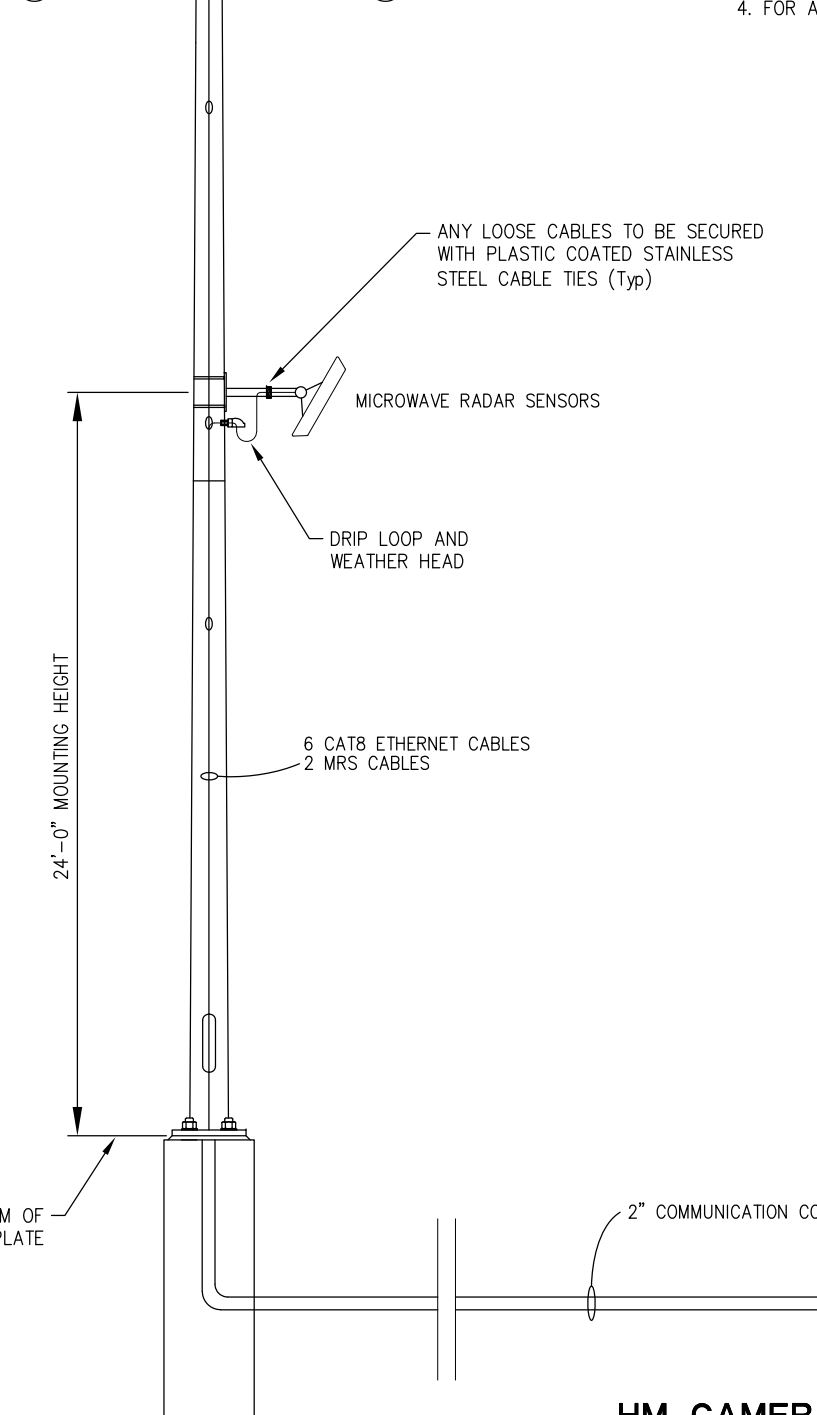


NOTES:

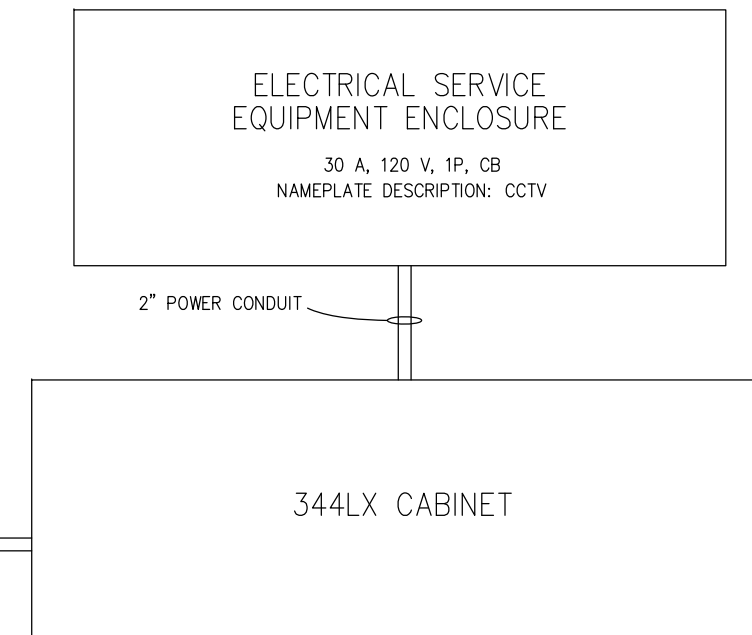
- PULL BOXES NOT SHOWN. SEE ELECTRICAL PLANS.
- WHEN A COMMUNICATION ENCLOSURE IS NOT USED, THE POE CLOSED CIRCUIT TELEVISION IP CAMERA SYSTEM CAT8 CABLES AND MRS CABLE MUST BE UN CUT AND UNSPLICED FROM THE TOP OF THE POLE TO THE MODEL 334LS OR 344LX CABINET.
- WHEN A MODEL 334LS OR 344LX CABINET IS USED IN CONJUNCTION WITH THE HIGH MAST CCTV POLE, THE CAT8 CABLE FROM THE TOP OF THE POLE TO THE CABINET MUST BE LESS THAN OR EQUAL TO 300 FT.
- FOR ADDITIONAL DETAILS, SEE STANDARD PLAN ES-16C.

LIMITS ON MICROWAVE RADAR SENSOR ATTACHMENTS

MOUNTING HEIGHT (FT)	MAXIMUM TOTAL EFFECTIVE PROJECTED AREA (SQFT)	MAXIMUM TOTAL WEIGHT (LBS)
24'-0"	2	9



HM CAMERA POLE 60 (MOD) ORIENTATION
TOP VIEW



HM CAMERA POLE 60 (MOD) / TMS SYSTEM

MODIFY SIGNAL AND LIGHTING ELECTRICAL SYSTEM DETAILS
SCALE : NONE

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

ORIGINAL SCALE IS IN INCHES
Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\E-Sheets.dwg Layout Tab: ED-6 Feb 02,2024 3:18pm Dharrington

FOR REDUCED PLANS

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF :
[Signature]
REGISTERED CIVIL ENGINEER
DATE: 12/29/2023

DESIGNED: DWH
DRAWN: DWH
CHECKED: --
DATE: 12/29/2023
ROAD NUMBER: 114



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50
INTERSECTION SAFETY IMPROVEMENT
PROJECT

SHEET
ED-6
93 OF 94
W.O. No.
7614

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	50	71.33-71.60	94	94

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NOTES (THIS SHEET ONLY):

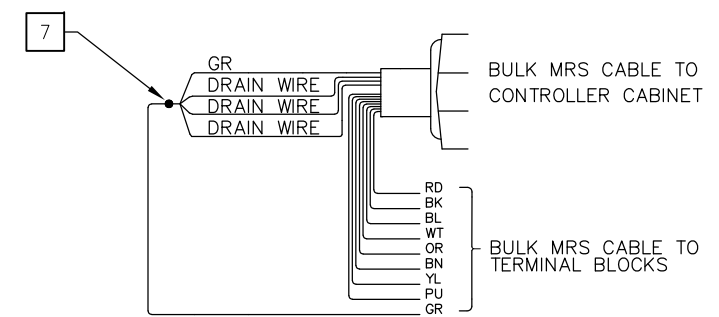
- ALL MOUNTING HARDWARE WILL BE STAINLESS STEEL UNLESS OTHERWISE SHOWN.
- THE CONTRACTOR MUST SUBMIT A PROTOTYPE OF THE EQUIPMENT INSTALLATION INSIDE THE PANEL TO THE ENGINEER FOR APPROVAL.
- TOTAL QUANTITY SHOULD BE THE SUM OF ELECTRICAL PLAN SHEETS, ELECTRICAL DETAILS SHEETS, ELECTRICAL QUANTITY SHEETS, AND PROJECT SPECIFICATIONS.

WIRE COLOR ABBREVIATIONS (THIS SHEET ONLY):

- BK BLACK
- BL BLUE
- BN BROWN
- GR GRAY
- GN GREEN
- OR ORANGE
- PU PURPLE
- RD RED
- WT WHITE
- YL YELLOW

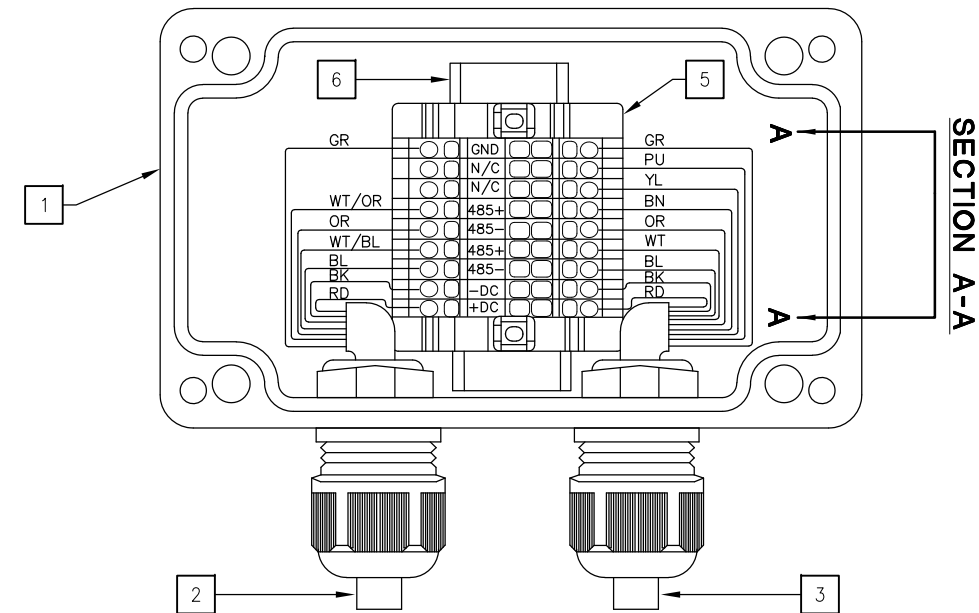
LEGEND (THIS SHEET ONLY):

- 1 MRS JUNCTION BOX SMALL
- 2 SENSOR PIG TAIL CABLE (MRS-A)
- 3 BULK MRS CABLE
- 4 SENSOR PIG TAIL CABLE (MRS-S)
- 5 TERMINAL BLOCKS
- 6 DIN RAIL
- 7 CRIMP, SOLDER, AND HEAT SHRINK GRAY WIRE AND ALL DRAIN WIRES



SECTION A-A

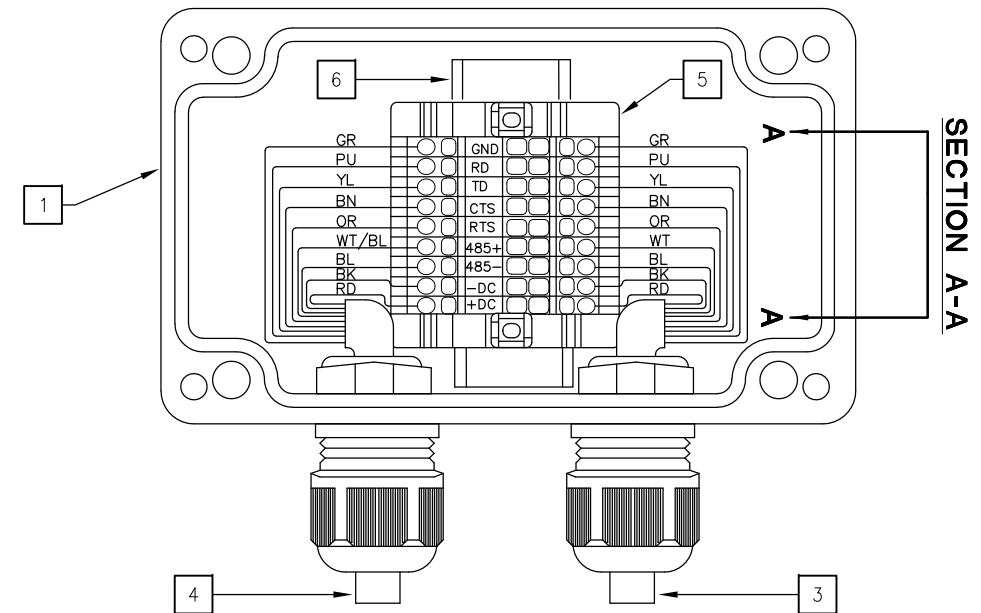
MRS-A JUNCTION BOX WIRING



SENSOR PIG TAIL CABLE (MRS-A) TO MVDS HEAD

BULK MRS CABLE TO CONTROLLER CABINET

MRS-S JUNCTION BOX WIRING



SENSOR PIG TAIL CABLE (MRS-S) TO MRS HEAD

BULK MRS CABLE TO CONTROLLER CABINET

TYPICAL MRS-A AND MRS-S WIRING

MODIFY SIGNAL AND LIGHTING ELECTRICAL SYSTEM DETAILS SCALE : NONE

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

EFIS 0317000163 CU XX EA 03-2H610

ORIGINAL SCALE IS IN INCHES
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REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF :
[Signature]
REGISTERED CIVIL ENGINEER
DATE: 12/29/2023

DESIGNED: DWH
DRAWN: DWH
CHECKED: ---
DATE: 12/29/2023
ROAD NUMBER: 114



COUNTY OF EL DORADO DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50 INTERSECTION SAFETY IMPROVEMENT PROJECT

SHEET
ED-7
94 OF 94
W.O. No. 7614