

Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\Title Sheet.dwg  
 Layout Tab: Title Dec 28, 2023 - 10:43am kasugiyama  
 REGISTRATION NO. DATE  
 8-9-11  
 DESIGN OVERSIGHT APPROVAL  
 PROJECT ENGINEER SIGNATURE

**INDEX OF SHEETS**

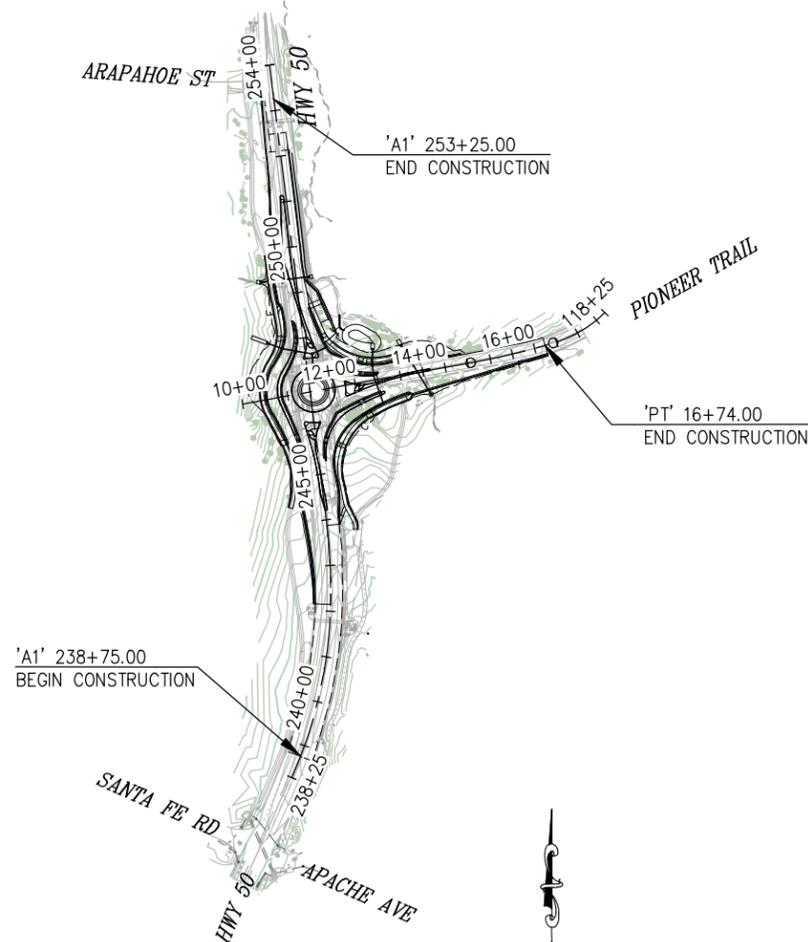
| SHEET | PLAN SHEET     | TITLE                           |
|-------|----------------|---------------------------------|
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| 88-94 | ED-1 THRU ED-7 | ELECTRICAL SYSTEM DETAILS       |

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.

**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.

**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 2022, including the 2022 Revised Standard Specifications, of the California Department of Transportation, unless otherwise noted.



**SITE PLAN**  
 SCALE: 1" = 200'

|      |        |       |             |               |           |              |
|------|--------|-------|-------------|---------------|-----------|--------------|
| 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<br>CHAIR, EL DORADO COUNTY BOARD OF SUPERVISORS | DATE |
| RAFAEL MARTINEZ, DIRECTOR<br>DEPARTMENT OF TRANSPORTATION    | DATE |
| JOHN KAHLING P.E. NO. 52426<br>DEPUTY DIRECTOR, ENGINEERING  | DATE |

**COUNTY OF EL DORADO**  
**DEPARTMENT OF TRANSPORTATION**  
  
 2850 FAIRLANE COURT  
 PLACERVILLE, CA 95667  
 (916) 621-5900



| REVISIONS |      |    |
|-----------|------|----|
| MARK      | DATE | BY |
|           |      |    |
|           |      |    |
|           |      |    |
|           |      |    |

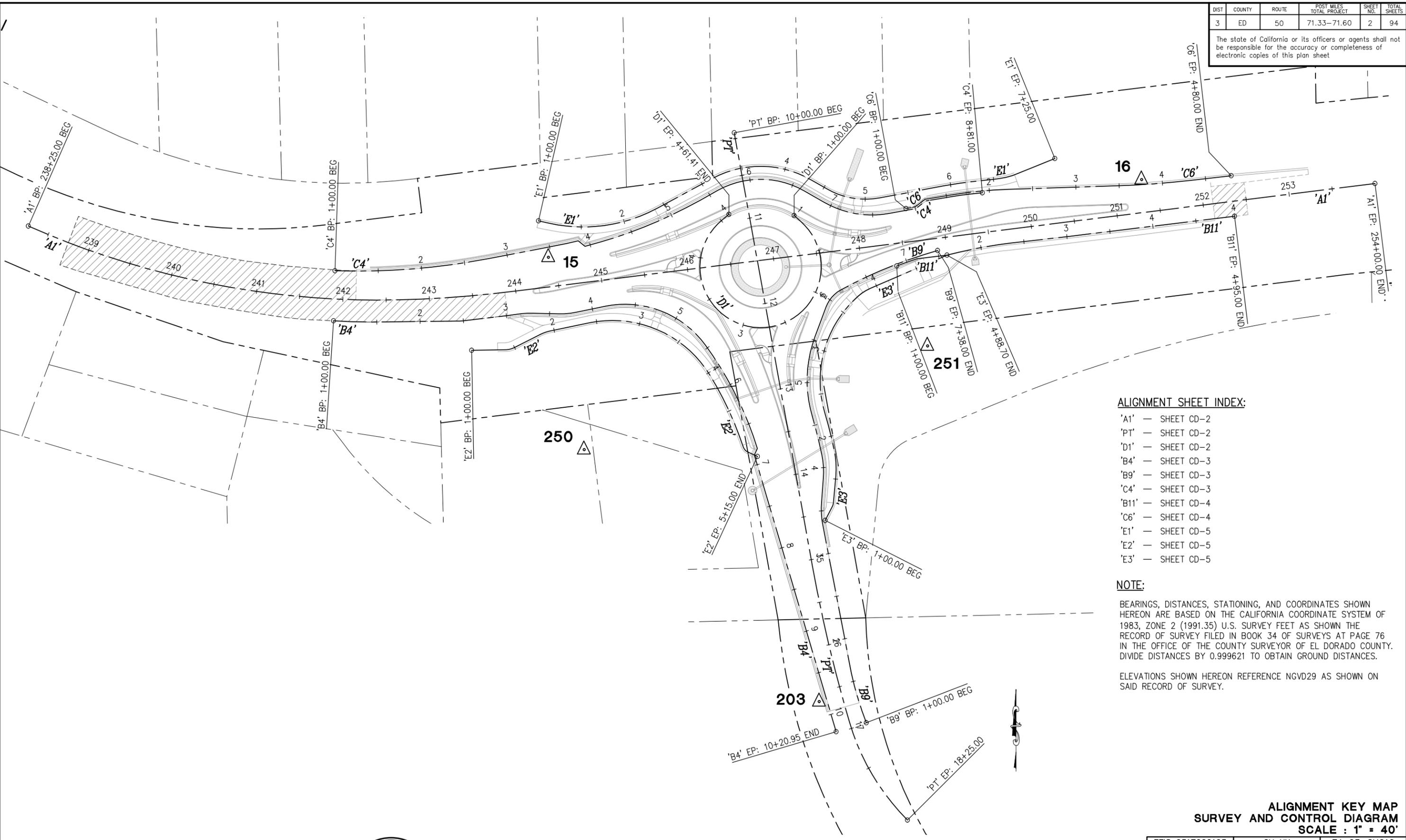
| BOARD OF SUPERVISORS |     |
|----------------------|-----|
| JOHN HIDAHL          | I   |
| GEORGE TURNBOO       | II  |
| WENDY THOMAS         | III |
| LORI PARLIN          | IV  |
| BROOKE LAINE         | V   |

**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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ORIGINAL SCALE 1/8" = 1' IN INCHES  
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 FOR REDUCED PLANS



**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" = 40'**

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**

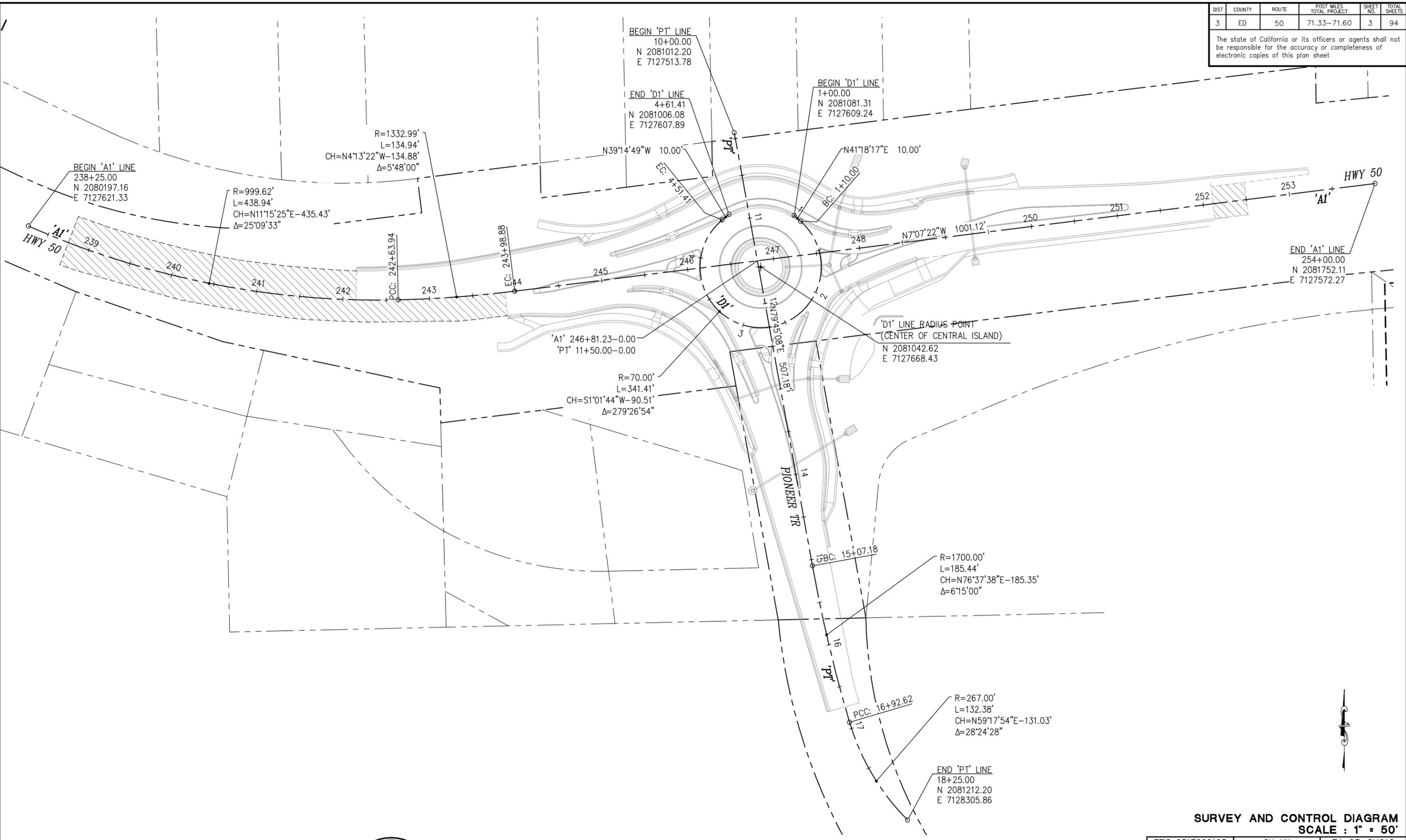
**PIONEER TRAIL/US HIGHWAY 50  
INTERSECTION SAFETY  
IMPROVEMENT PROJECT**

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

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

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**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**

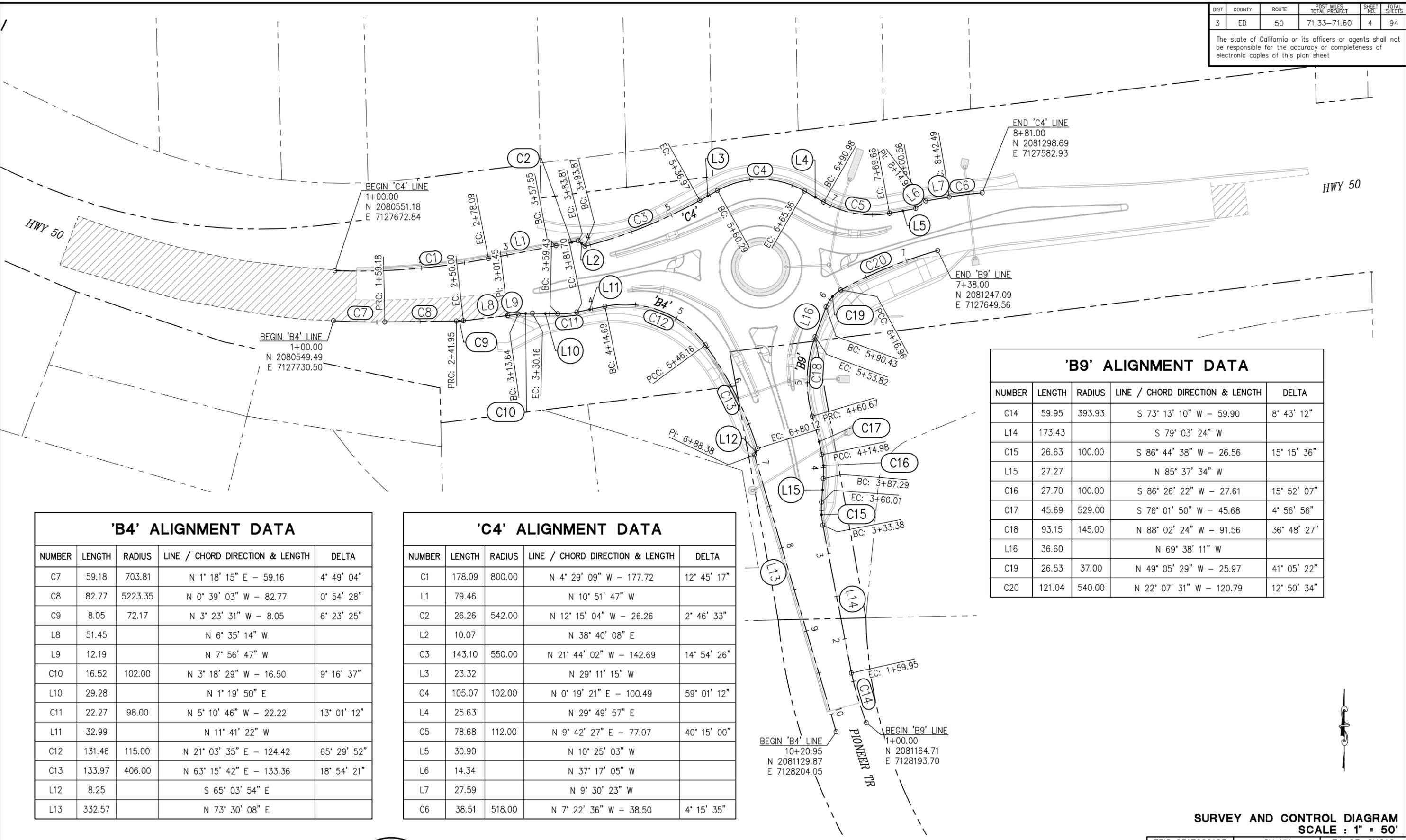
**PIONEER TRAIL/US HIGHWAY 50**  
**INTERSECTION SAFETY**  
**IMPROVEMENT PROJECT**

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

| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
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 REVISION



**'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**

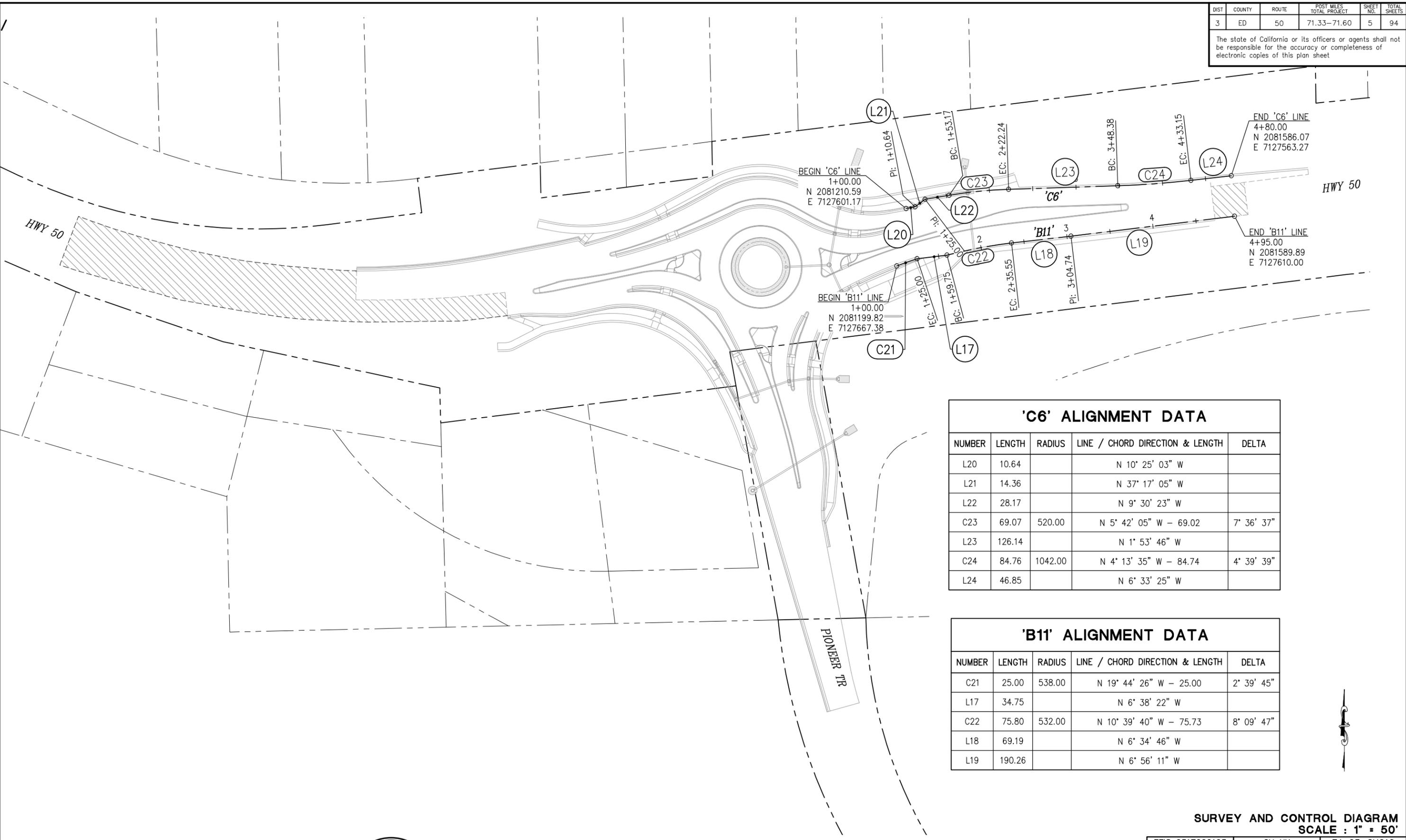
**PIONEER TRAIL/US HIGHWAY 50**  
**INTERSECTION SAFETY**  
**IMPROVEMENT PROJECT**

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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| '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



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**

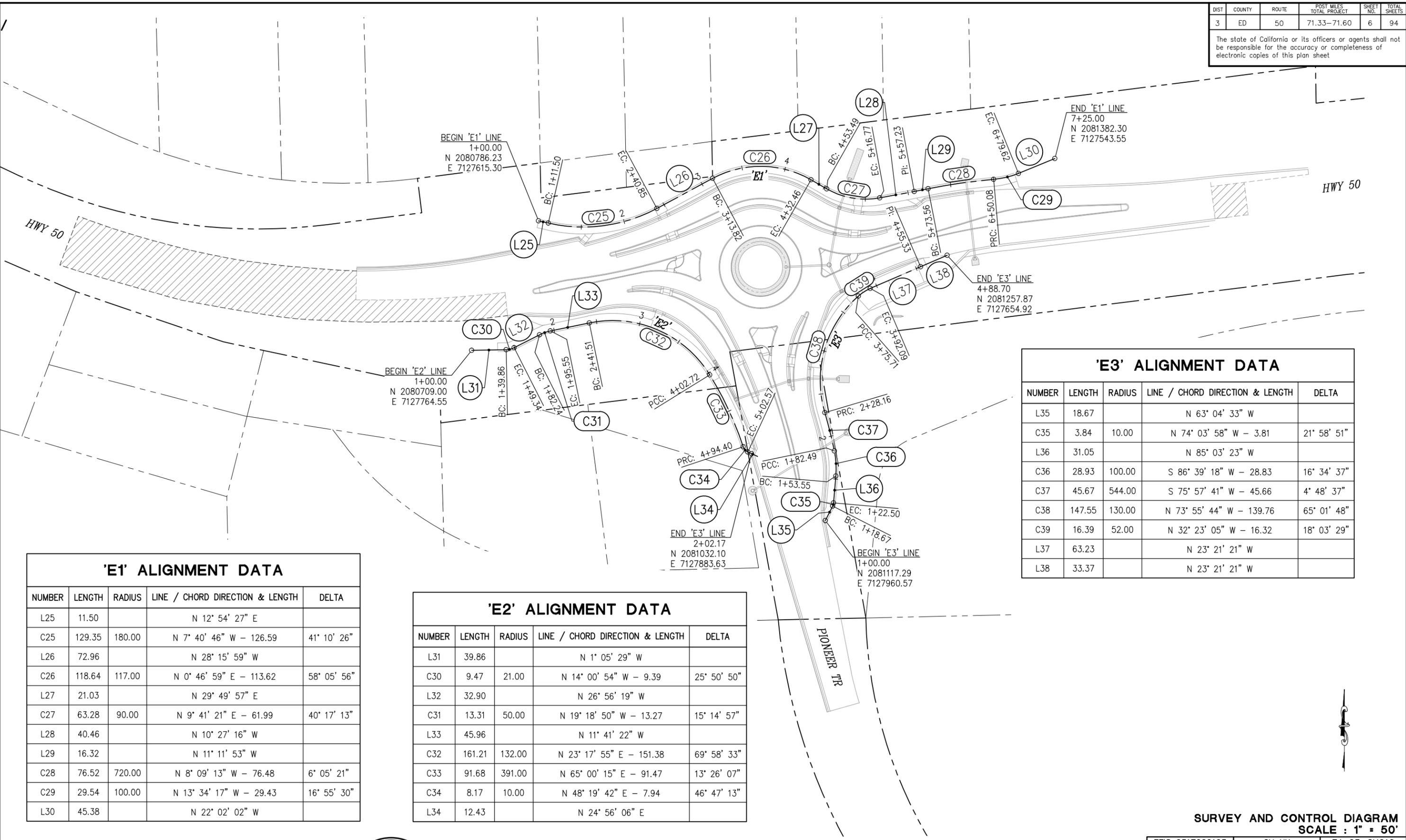
**PIONEER TRAIL/US HIGHWAY 50**  
**INTERSECTION SAFETY**  
**IMPROVEMENT PROJECT**

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

| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 3    | ED     | 50    | 71.33-71.60              | 6         | 94           |

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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**

| NUMBER | LENGTH | RADIUS | LINE / CHORD DIRECTION & LENGTH | DELTA       |
|--------|--------|--------|---------------------------------|-------------|
| 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  
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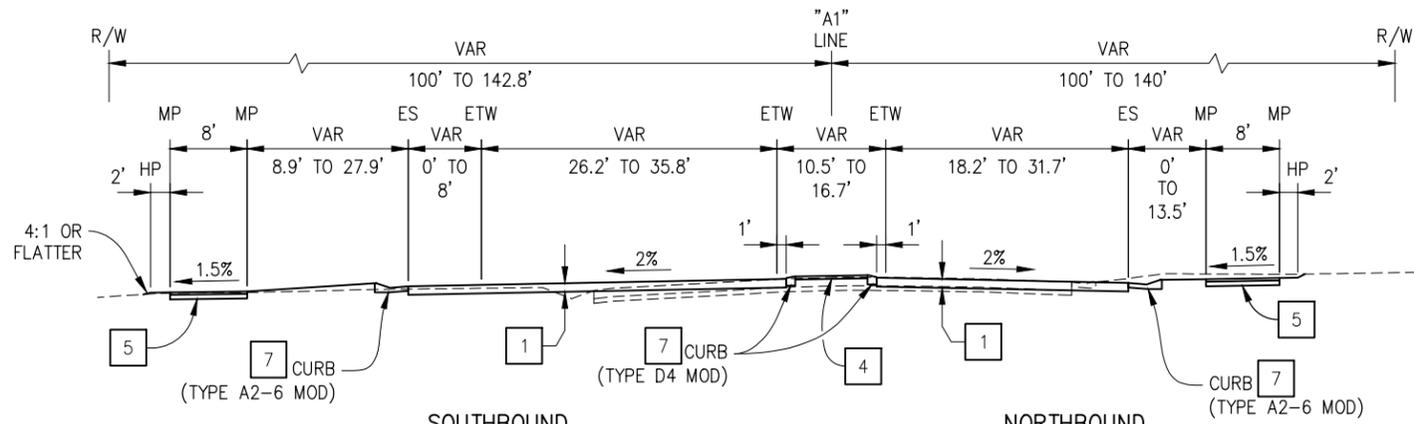
**COUNTY OF EL DORADO  
DEPARTMENT OF TRANSPORTATION**

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

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

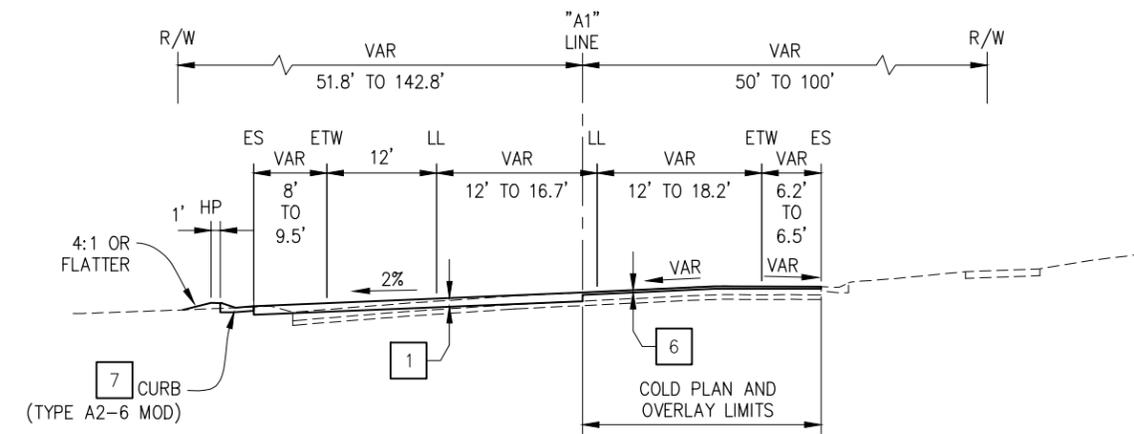
| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
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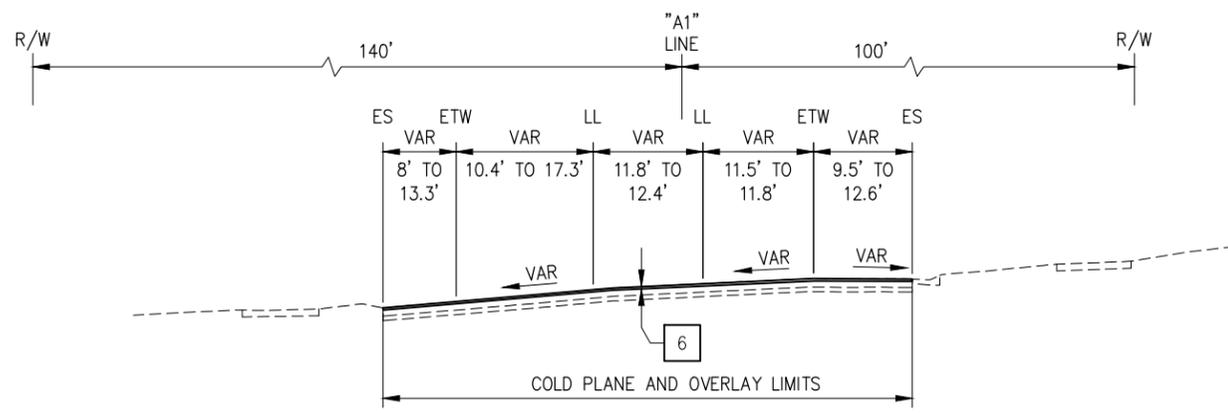


**SOUTHBOUND**  
"A1" 243+87.52 TO "A1" 245+12.86  
**US 50**

**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 | Tl <sub>20</sub> | 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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ORIGINAL SCALE IS IN INCHES  
Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\X-Sheets.dwg Layout Tab: X-1 Dec 28, 2023 - 11:32am ksugiyama

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| REVISION | NUMBER | DATE | DESCRIPTION | BY |
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|          |        |      |             |    |



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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



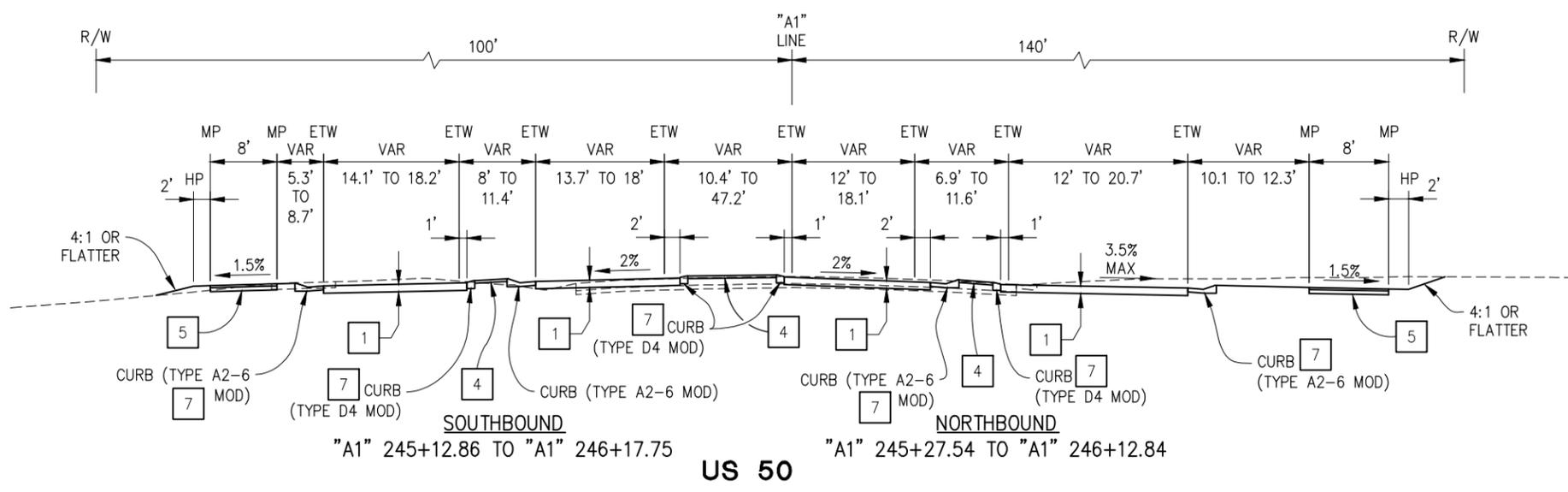
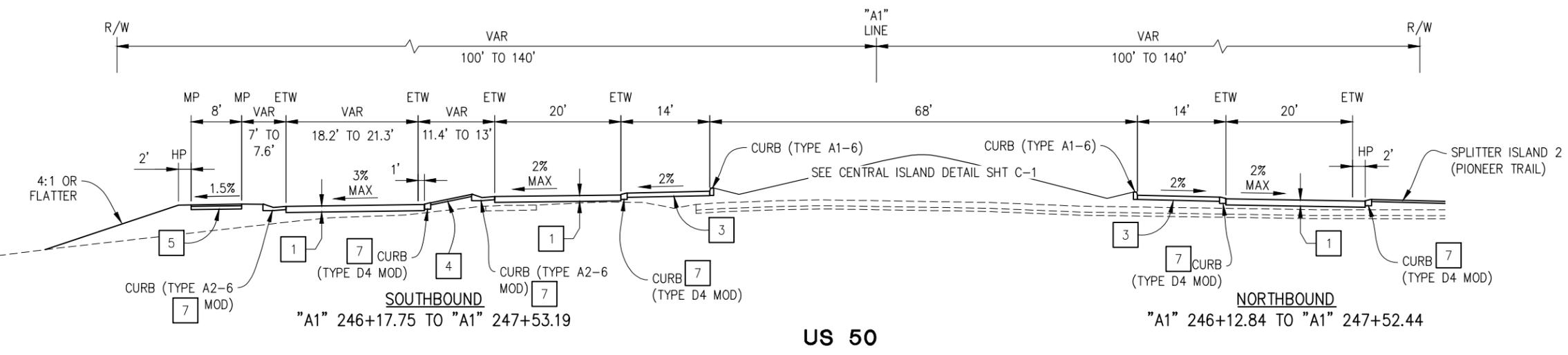
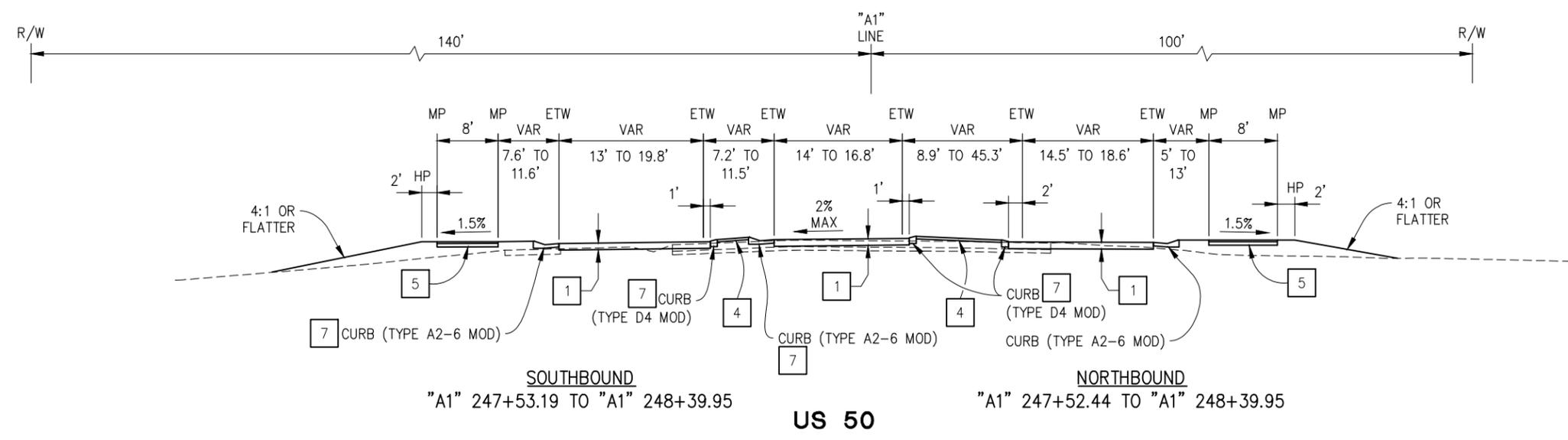
**COUNTY OF EL DORADO  
DEPARTMENT OF TRANSPORTATION**

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

SHEET  
**X-1**  
7 OF 94  
W.O. No.  
**7614**

| DIST. | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
|-------|--------|-------|--------------------------|-----------|--------------|
| 3     | ED     | 50    | 71.33-71.60              | 8         | 94           |

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TYPICAL SECTIONS  
SCALE : NONE

|       |                 |             |
|-------|-----------------|-------------|
| CJ XX | EFIS 0317000163 | EA 03-2H610 |
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ORIGINAL SCALE IS IN INCHES  
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Layout Tab: X-2 Dec 28, 2023 - 11:35am ksujiyama

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| REVISION | NUMBER | DATE | DESCRIPTION | BY |
|----------|--------|------|-------------|----|
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*[Signature]*  
REGISTERED CIVIL ENGINEER  
DECEMBER 29, 2023  
DATE:

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



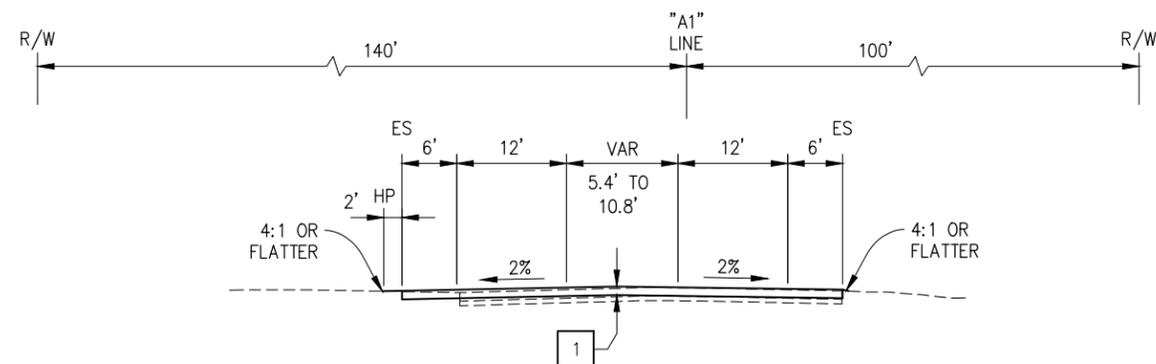
COUNTY OF EL DORADO  
DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50  
INTERSECTION SAFETY  
IMPROVEMENT PROJECT

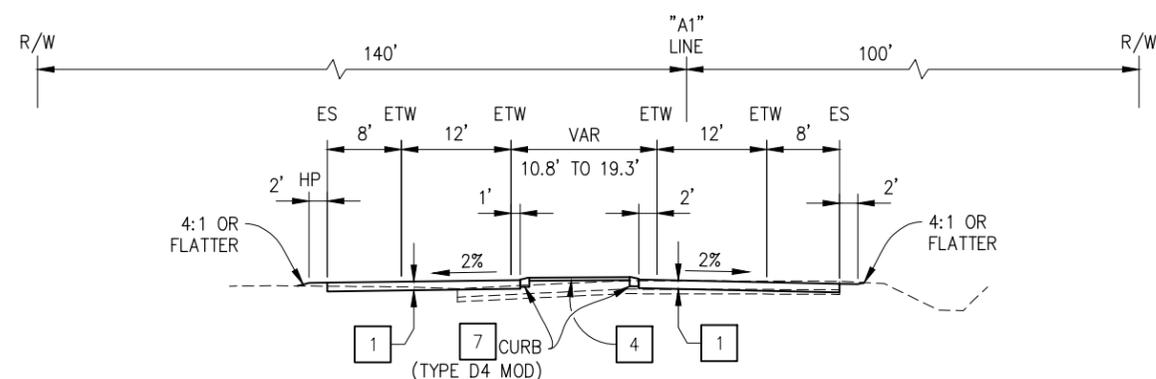
SHEET  
**X-2**  
8 OF 94  
W.O. No.  
**7614**

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

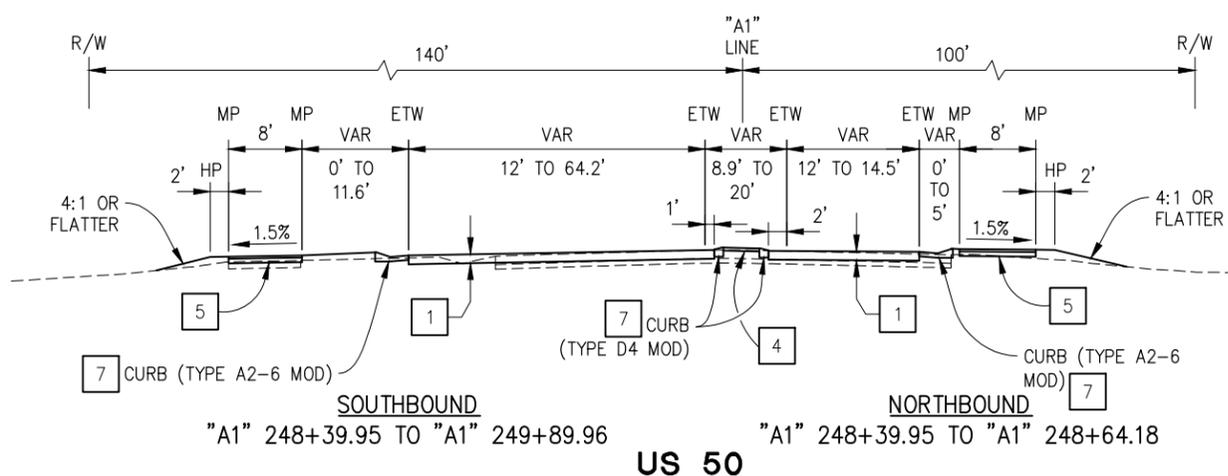
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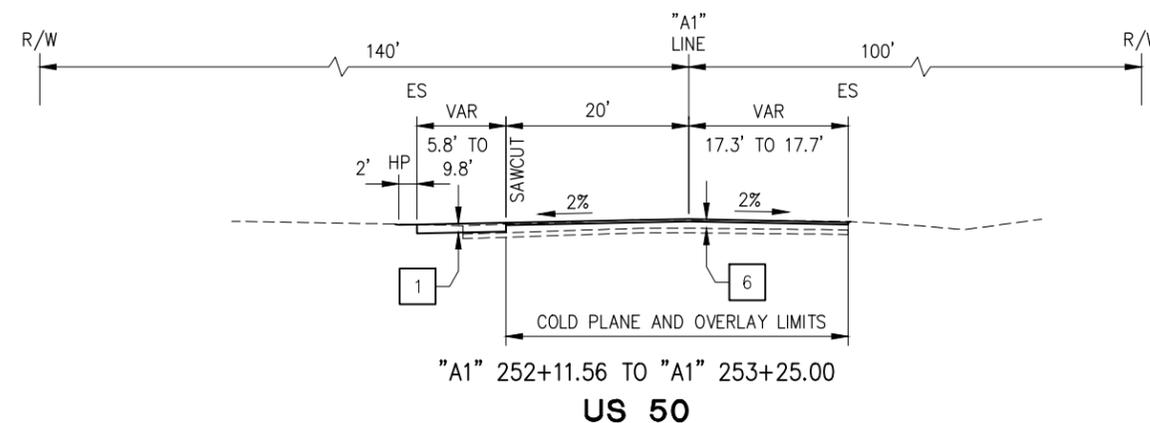
"A1" 251+14.35 TO "A1" 252+11.56  
US 50



SOUTHBOUND "A1" 249+89.96 TO "A1" 251+14.35 US 50  
NORTHBOUND "A1" 248+64.18 TO "A1" 251+14.35 US 50



SOUTHBOUND "A1" 248+39.95 TO "A1" 249+89.96 US 50  
NORTHBOUND "A1" 248+39.95 TO "A1" 248+64.18 US 50



"A1" 252+11.56 TO "A1" 253+25.00  
US 50

TYPICAL SECTIONS  
SCALE : NONE

|       |                 |             |
|-------|-----------------|-------------|
| CU XX | EFIS 0317000163 | EA 03-2H610 |
|-------|-----------------|-------------|

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| REVISION | NUMBER | DATE | DESCRIPTION | BY |
|----------|--------|------|-------------|----|
|          |        |      |             |    |



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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



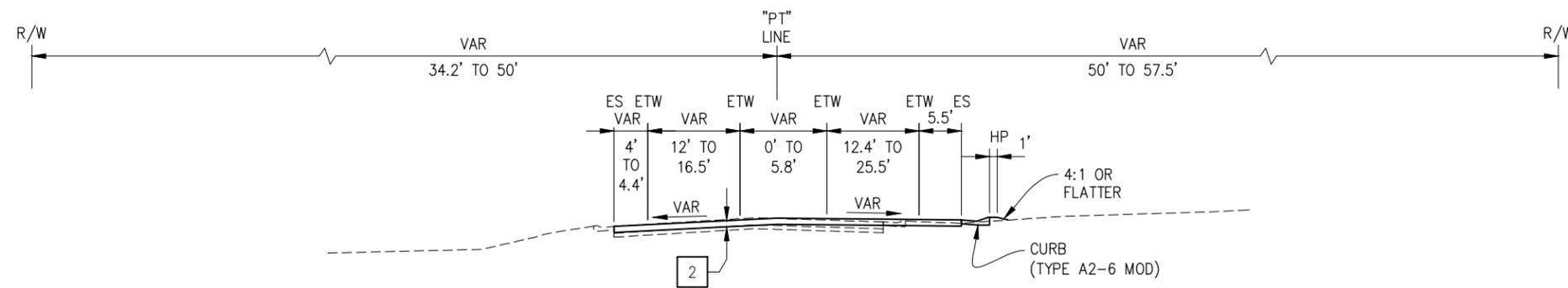
COUNTY OF EL DORADO  
DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50  
INTERSECTION SAFETY  
IMPROVEMENT PROJECT

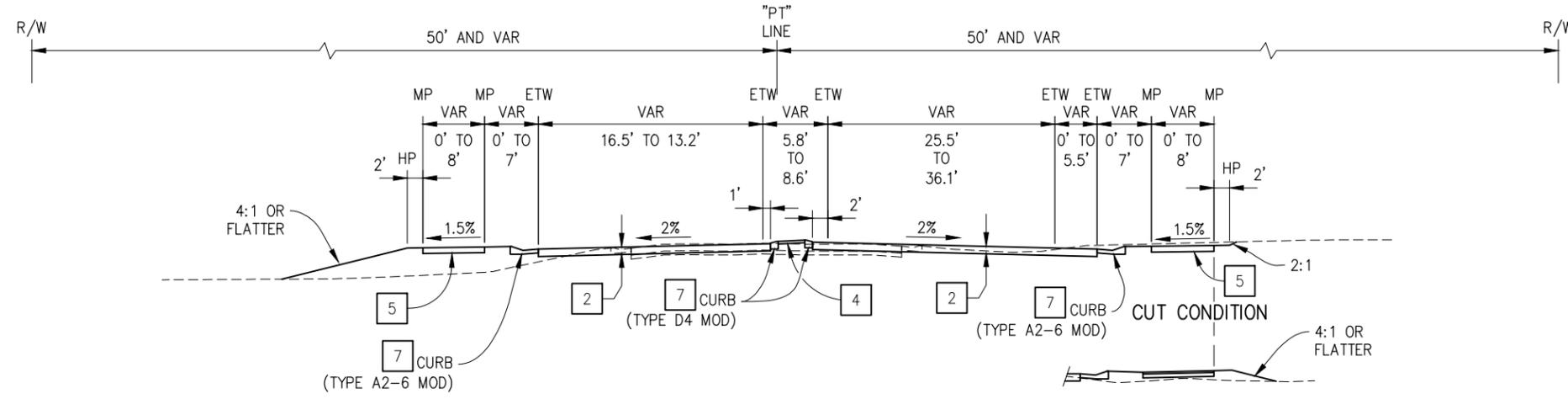
SHEET  
**X-3**  
9 OF 94  
W.O. No.  
**7614**

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

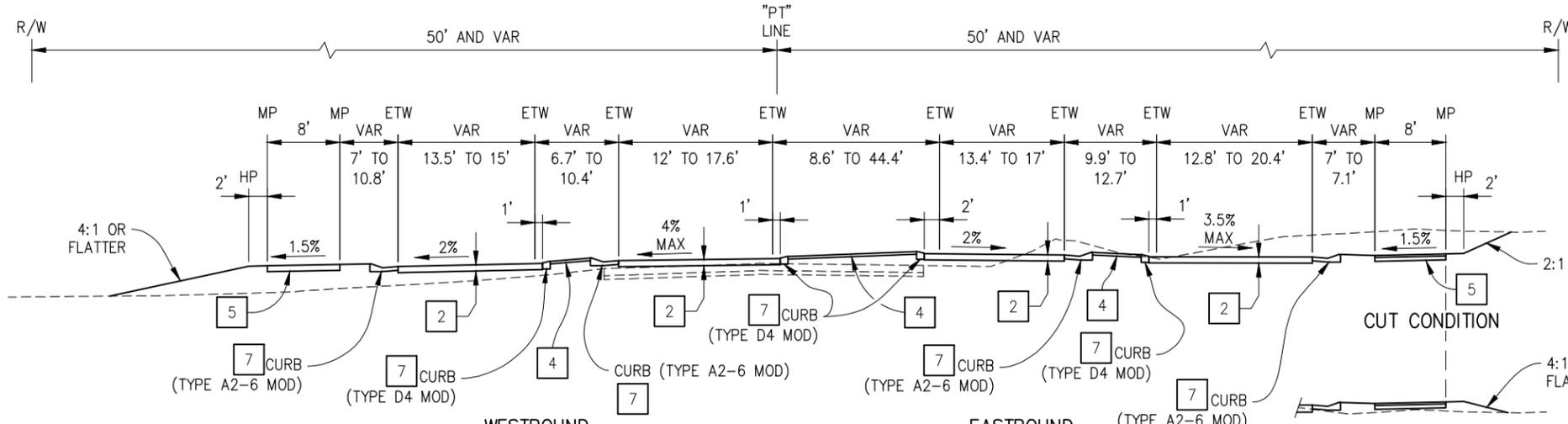
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"PT" 14+17.02 TO "PT" 16+74.92  
**PIONEER TRAIL**



**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 |
|-------|-----------------|-------------|

ORIGINAL SCALE IS IN INCHES  
Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\X-Sheets.dwg Layout Tab: X-4 Dec 28, 2023 - 11:38am ksugiyama

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



**COUNTY OF EL DORADO  
DEPARTMENT OF TRANSPORTATION**

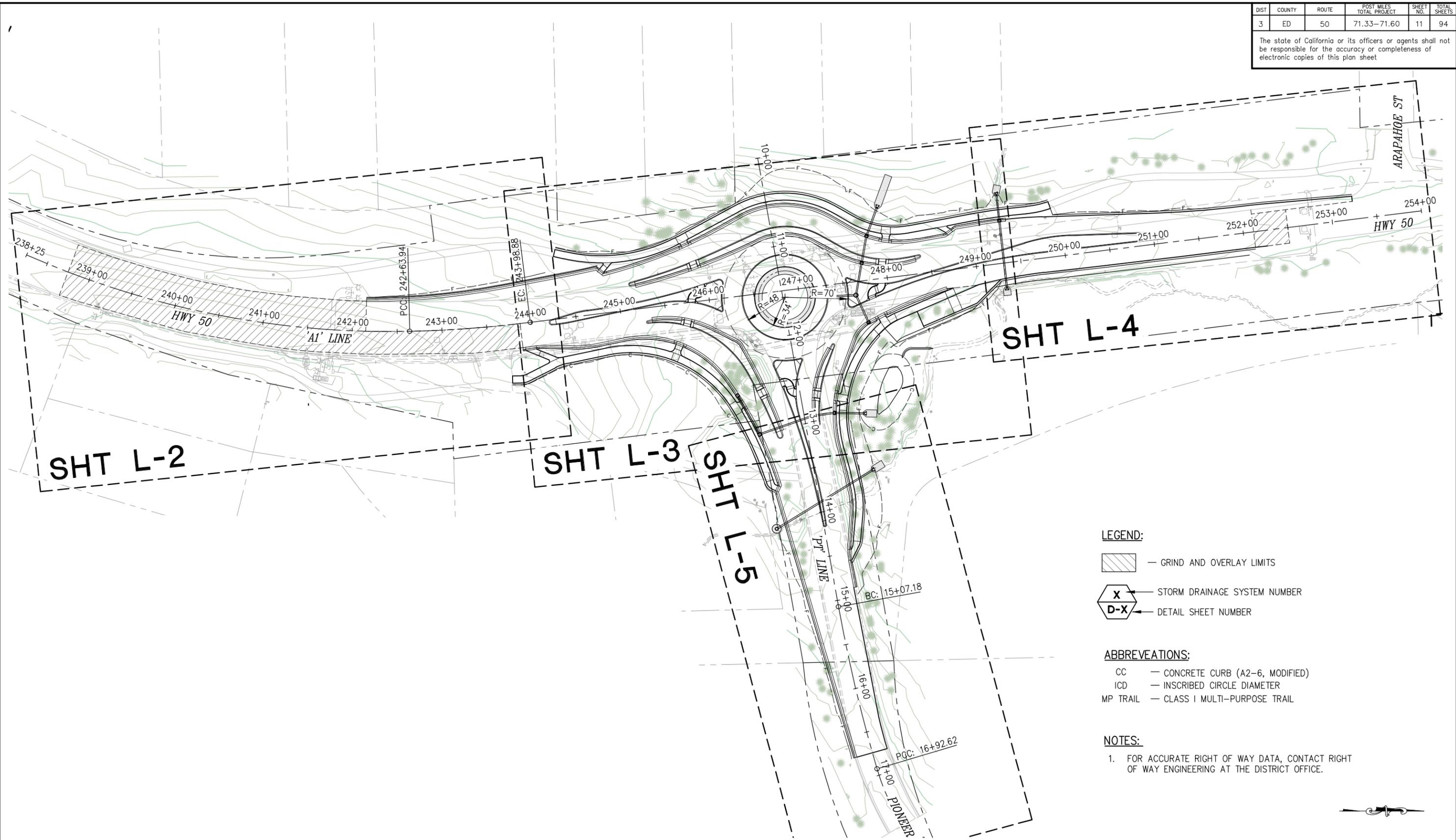
**PIONEER TRAIL/US HIGHWAY 50  
INTERSECTION SAFETY  
IMPROVEMENT PROJECT**

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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 FOR REDUCED PLANS



- LEGEND:**
- GRIND AND OVERLAY LIMITS
  - STORM DRAINAGE SYSTEM NUMBER
  - DETAIL SHEET NUMBER
- ABBREVEATIONS:**
- CC — CONCRETE CURB (A2-6, MODIFIED)
  - ICD — INSCRIBED CIRCLE DIAMETER
  - MP TRAIL — CLASS I MULTI-PURPOSE TRAIL
- NOTES:**
- 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 |
|----------|--------|------|-------------|----|
|          |        |      |             |    |
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 DATE: **DECEMBER 29, 2023**

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



**COUNTY OF EL DORADO**  
**DEPARTMENT OF TRANSPORTATION**

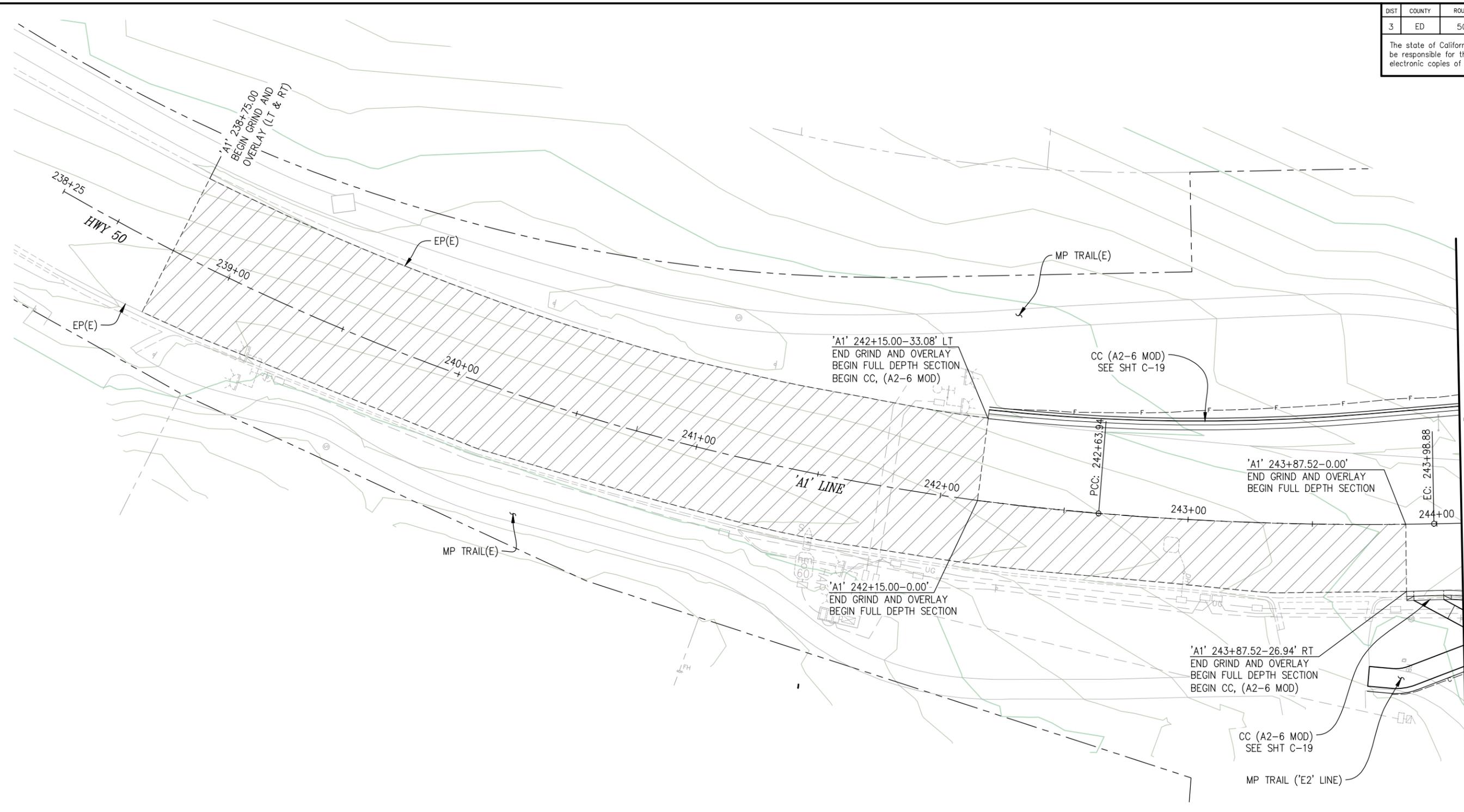
**PIONEER TRAIL/US HIGHWAY 50**  
**INTERSECTION SAFETY**  
**IMPROVEMENT PROJECT**

SHEET  
**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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'A1' 244+10.00 SEE L-3



LAYOUT  
SCALE : 1" = 20'

|       |                 |             |
|-------|-----------------|-------------|
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| REVISION | NUMBER | DATE | DESCRIPTION | BY |
|----------|--------|------|-------------|----|
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 DRAWN: KIS  
 CHECKED: DP  
 DATE: 10/05/23  
 ROAD NUMBER: 000



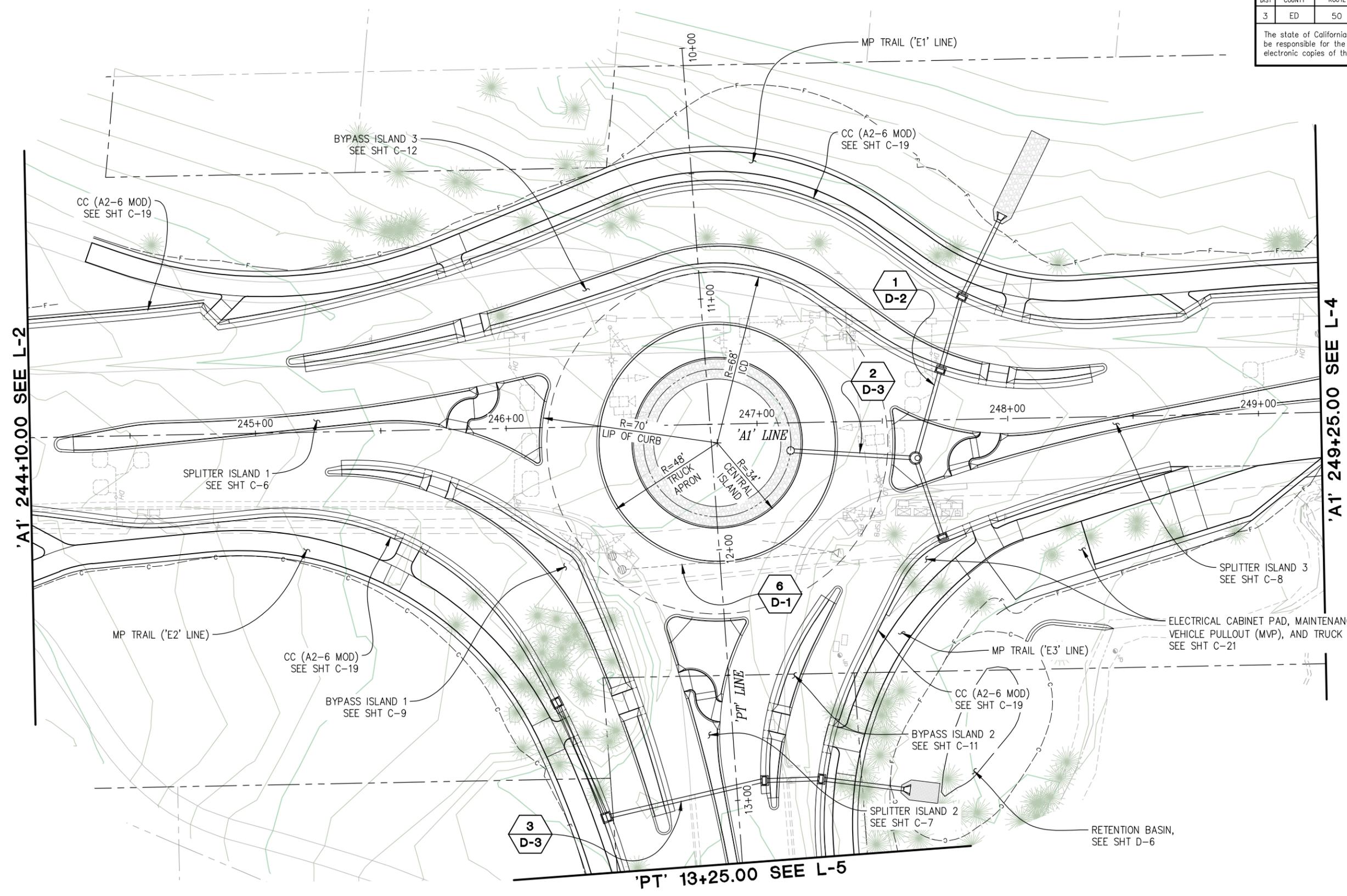
**COUNTY OF EL DORADO**  
**DEPARTMENT OF TRANSPORTATION**

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

SHEET  
**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'

CU XX EFIS 0317000163 EA 03-2H610

| 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

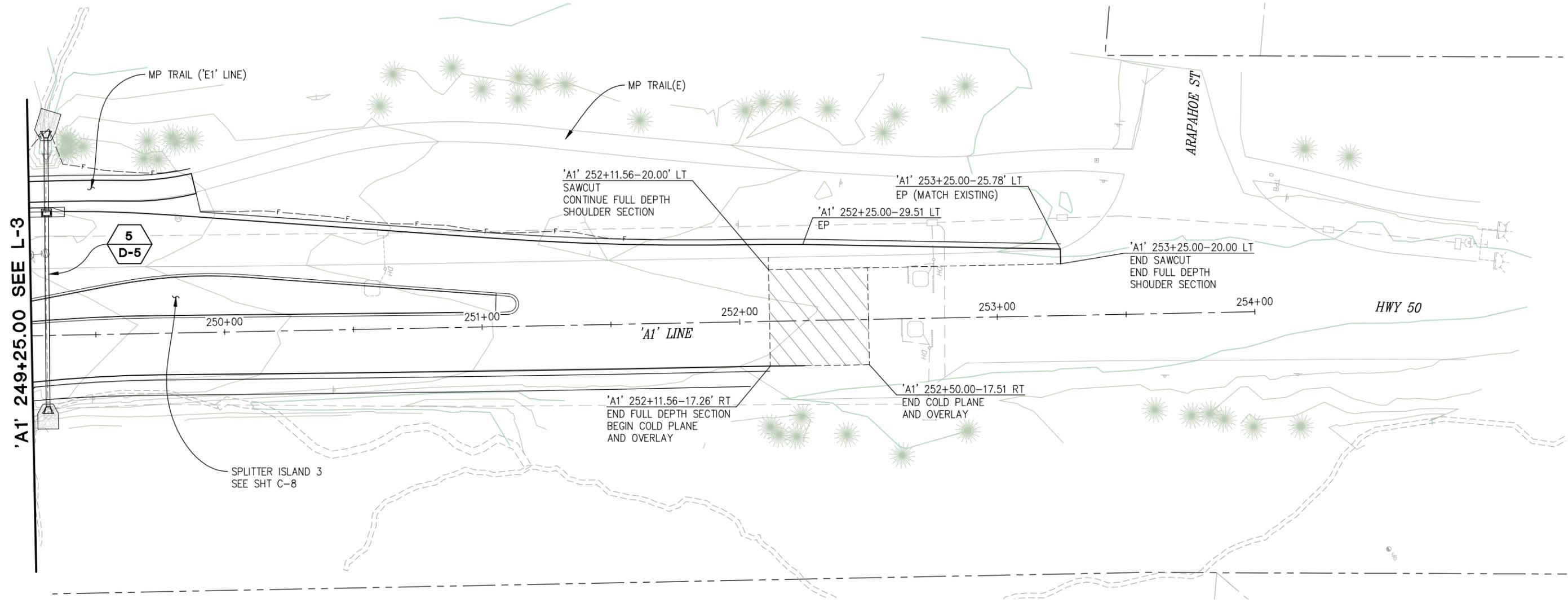
PIONEER TRAIL/US HIGHWAY 50  
INTERSECTION SAFETY  
IMPROVEMENT PROJECT

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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 FOR REDUCED PLANS  
 2  
 1  
 0



LAYOUT  
SCALE : 1" = 20'

CU XX EFIS 0317000163 EA 03-2H610

| REVISION | NUMBER | DATE | DESCRIPTION | BY |
|----------|--------|------|-------------|----|
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 DATE: **DECEMBER 29, 2023**

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



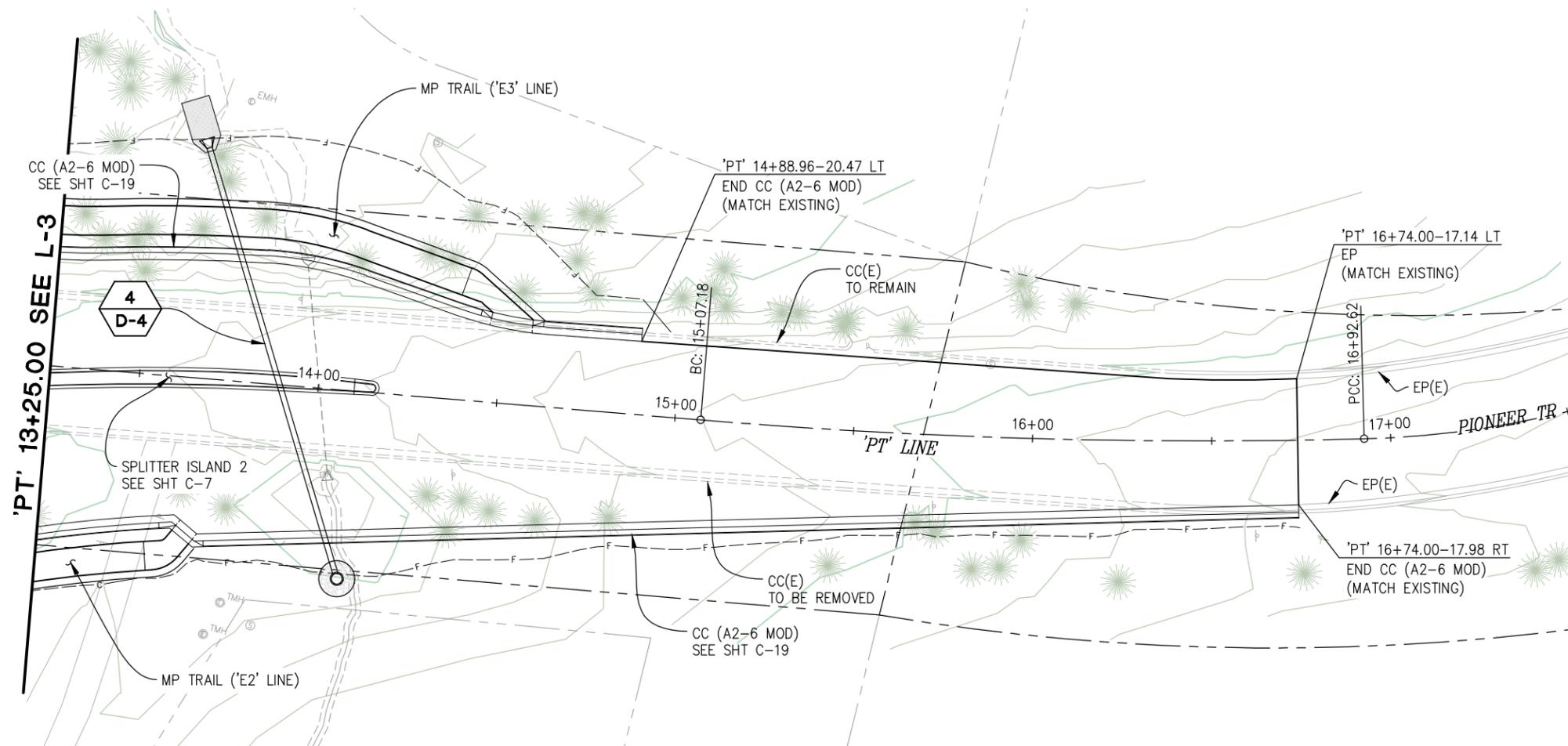
COUNTY OF EL DORADO  
DEPARTMENT OF TRANSPORTATION

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 |
|-------|-----------------|-------------|

| 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



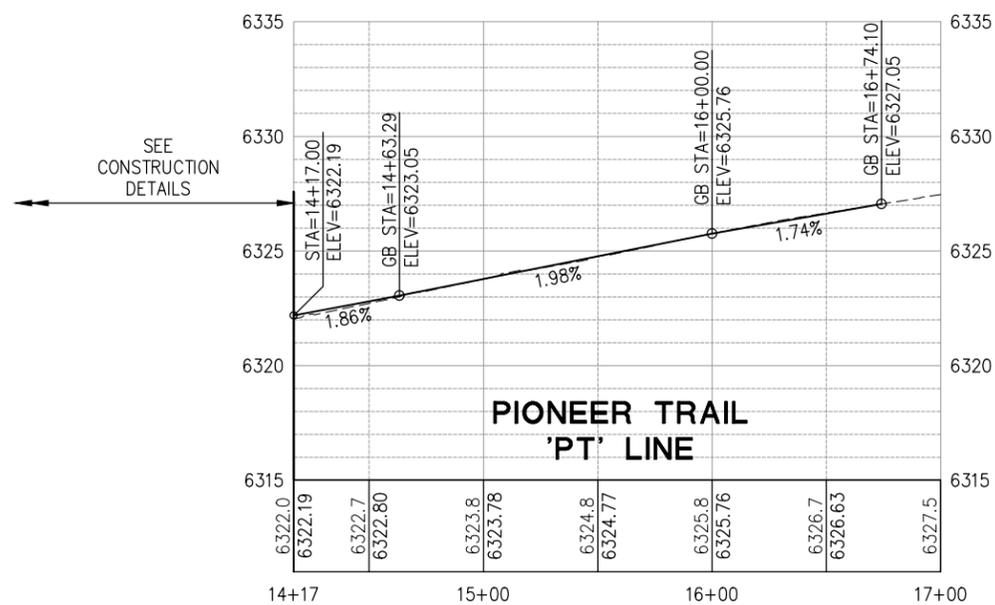
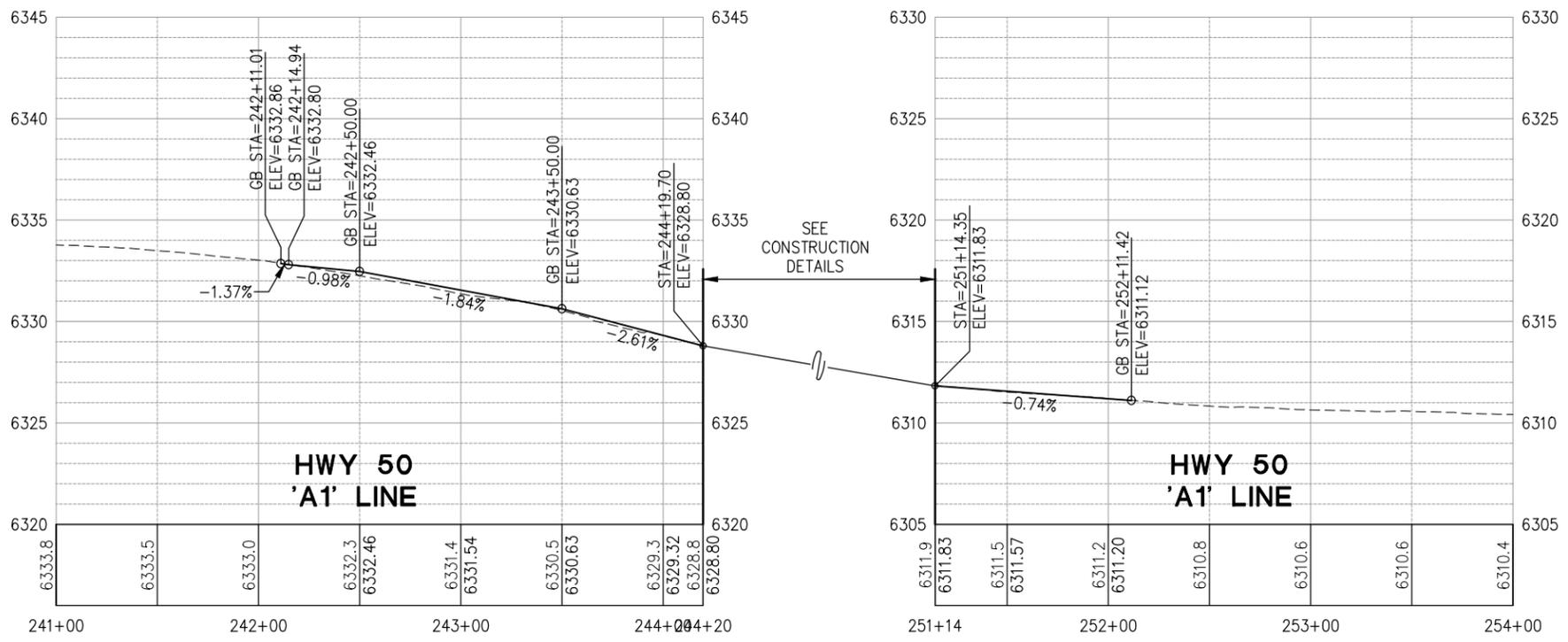
COUNTY OF EL DORADO  
DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50  
INTERSECTION SAFETY  
IMPROVEMENT PROJECT

SHEET  
**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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| REVISION | NUMBER | DATE | DESCRIPTION | BY |
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*[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**

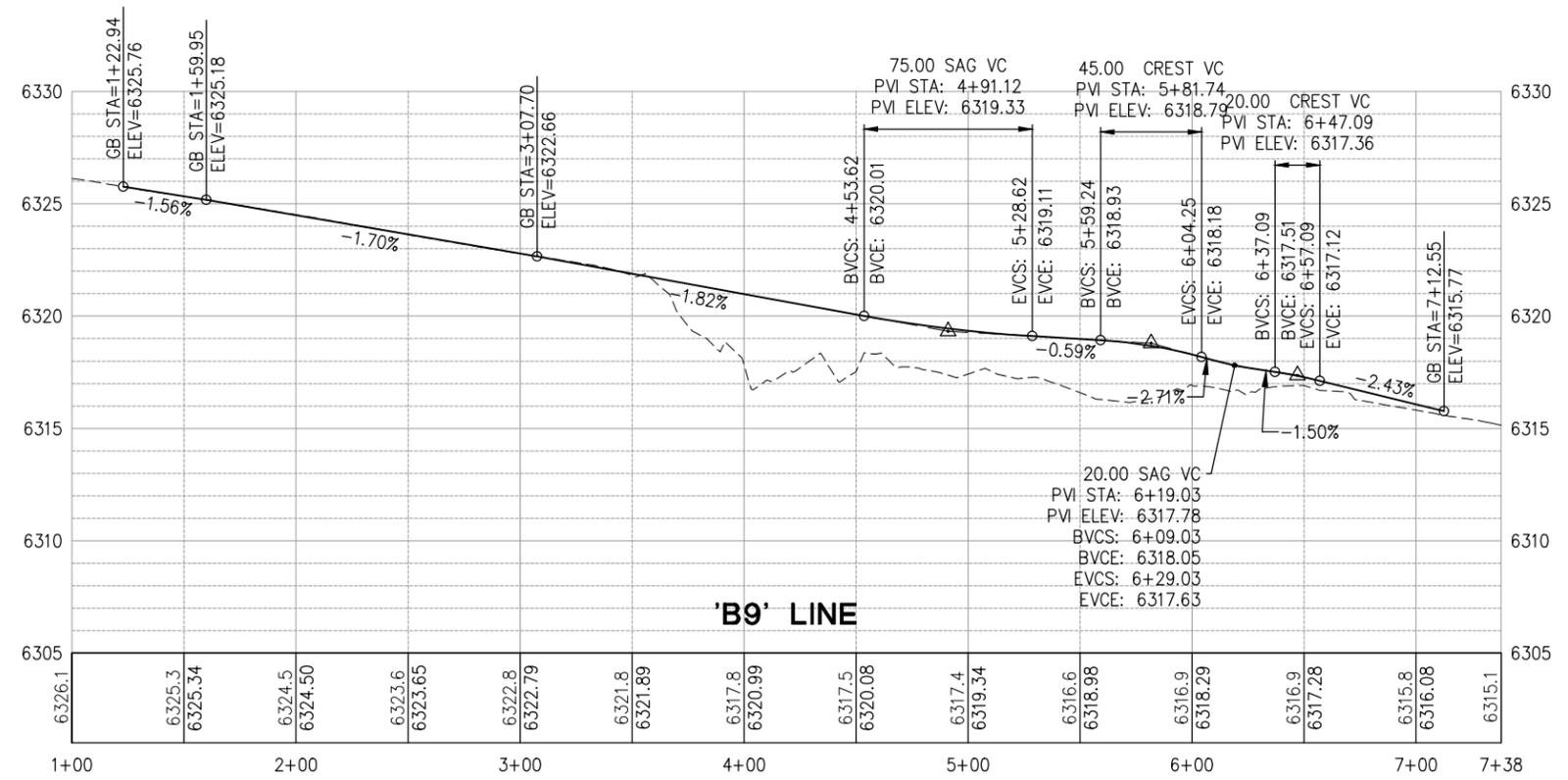
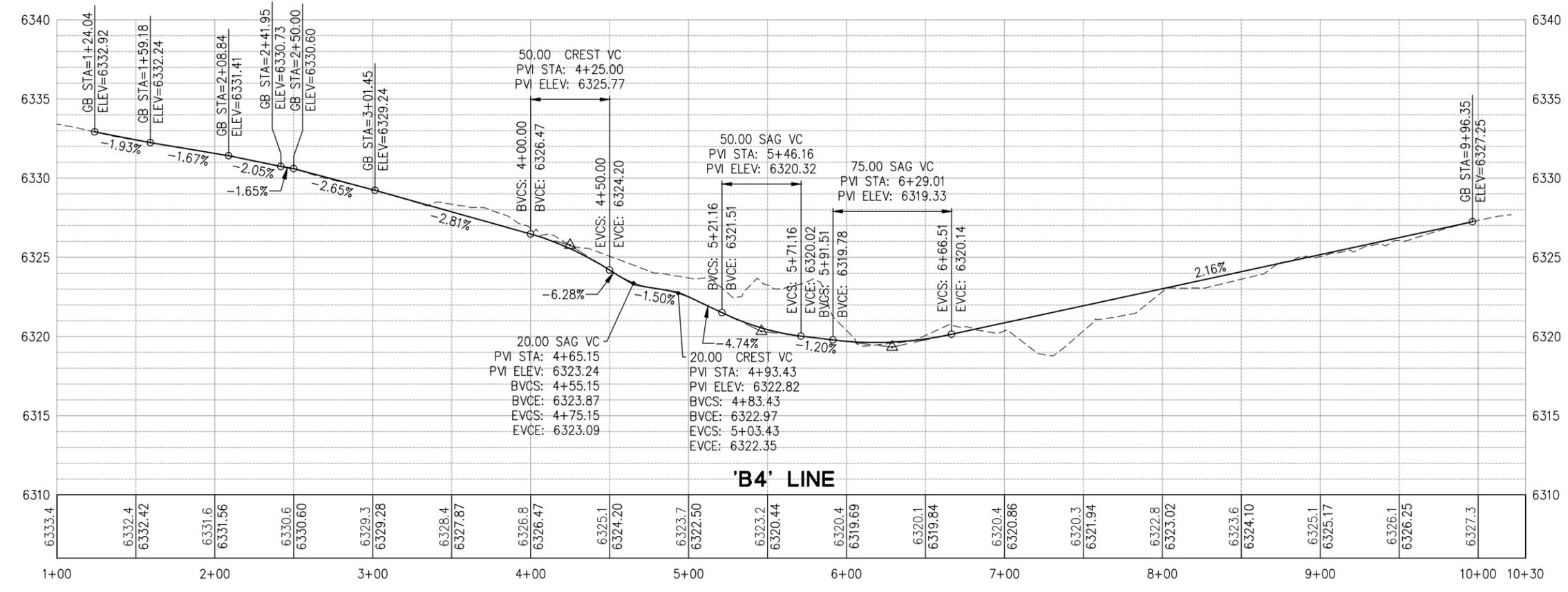
**PIONEER TRAIL/US HIGHWAY 50**  
**INTERSECTION SAFETY**  
**IMPROVEMENT PROJECT**

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

ORIGINAL SCALE IS IN INCHES  
 Drawing name: Z:\Civil\_3D\Projects\36104026\Pioneer Roundabout\CADD\Files\Sheets\P-Sheets.dwg  
 Layout Tab: P-2 Dec 28, 2023 12:16pm 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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 CHECKED: DP  
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**COUNTY OF EL DORADO**  
**DEPARTMENT OF TRANSPORTATION**

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

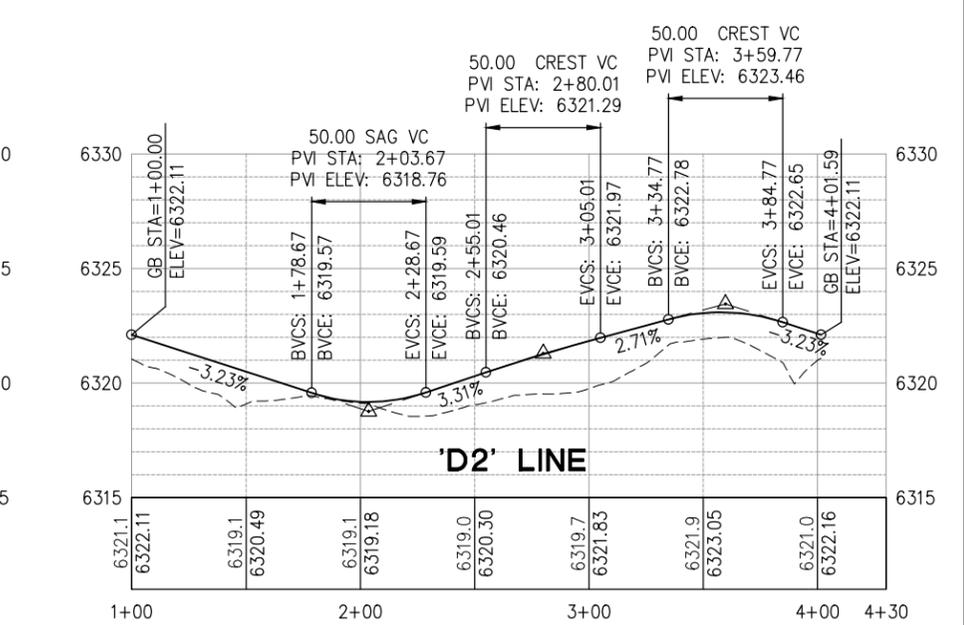
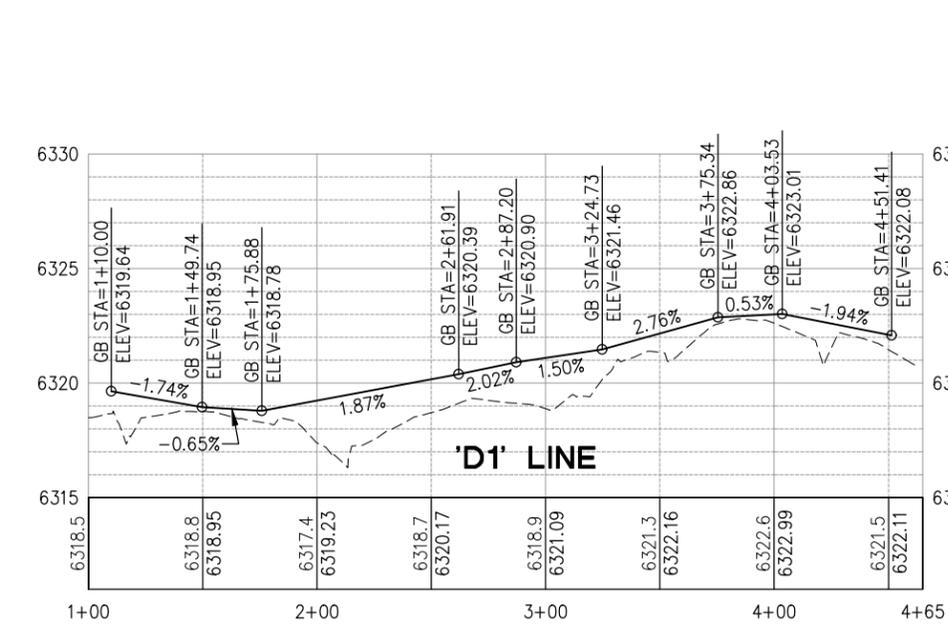
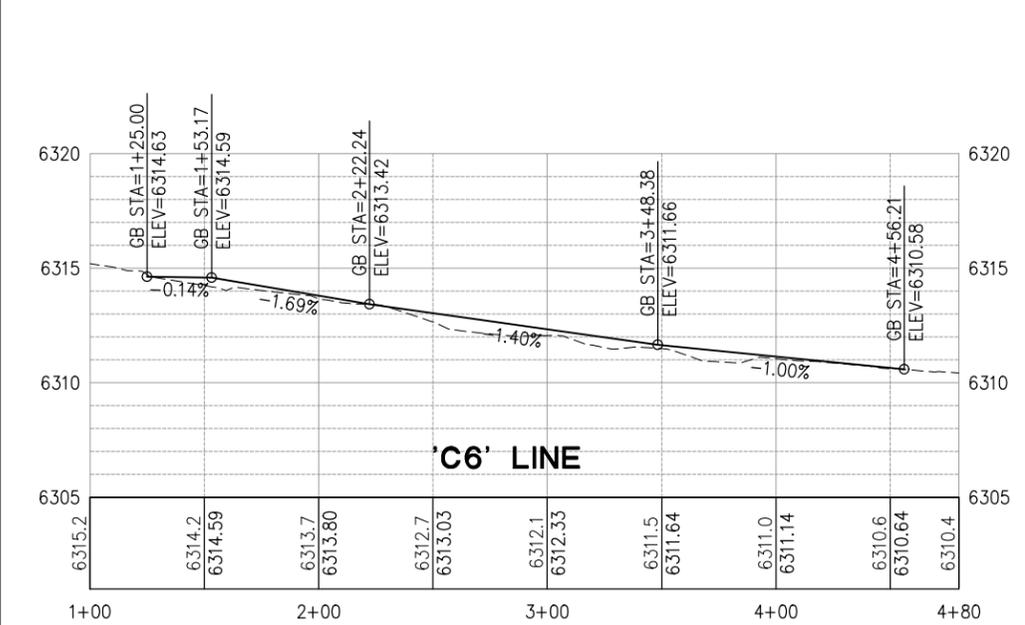
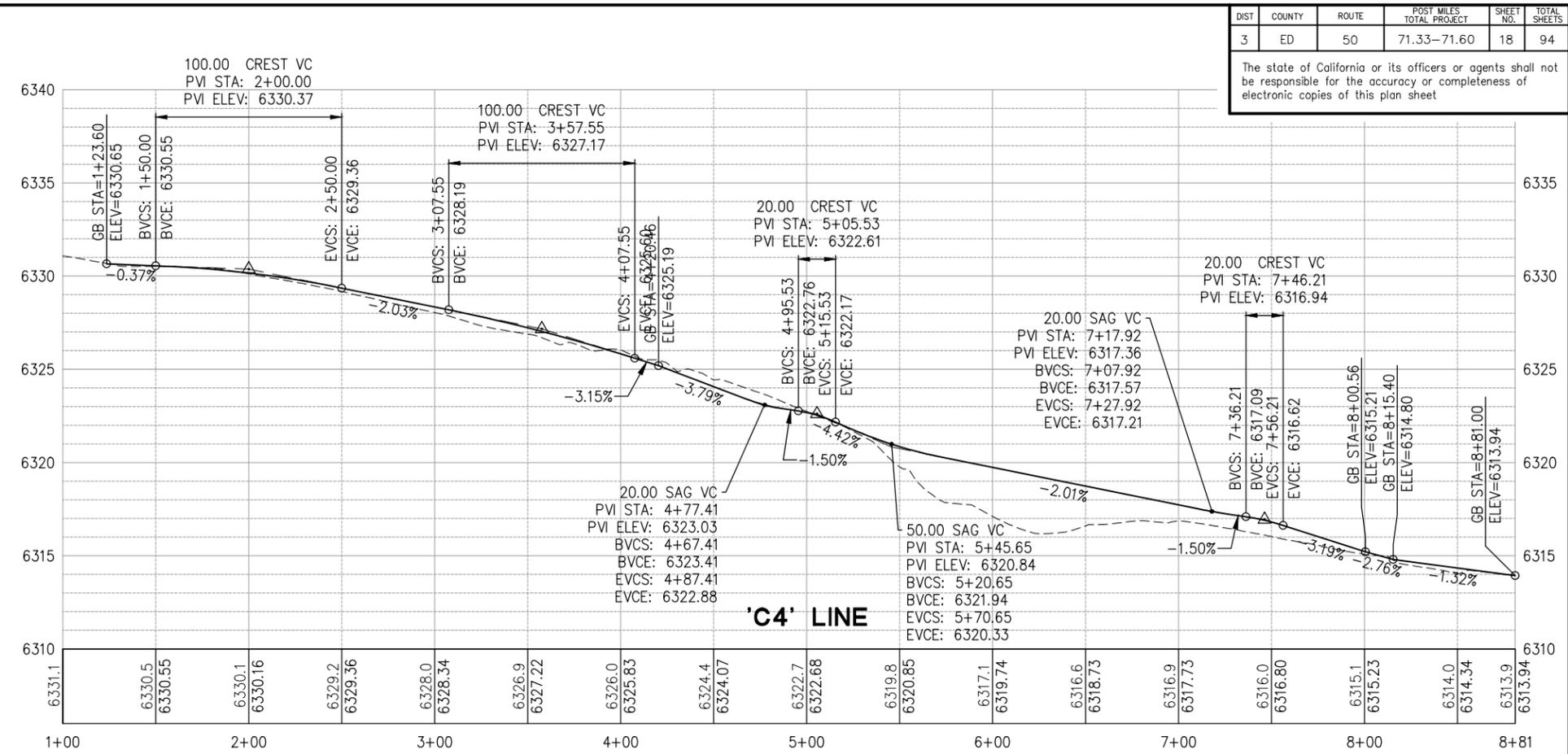
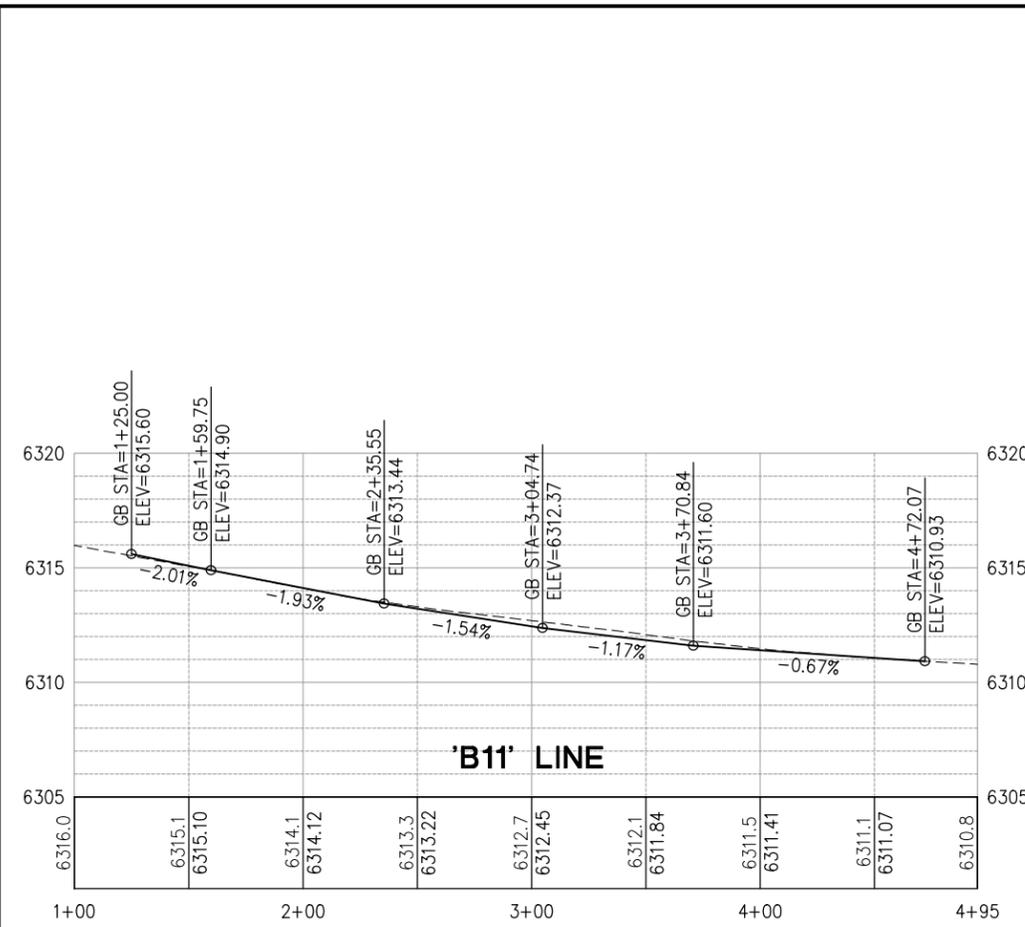
|       |                 |             |
|-------|-----------------|-------------|
| CU XX | EFIS 0317000163 | EA 03-2H610 |
|-------|-----------------|-------------|

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



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 REGISTERED CIVIL ENGINEER  
 DECEMBER 29, 2023  
 DATE:

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



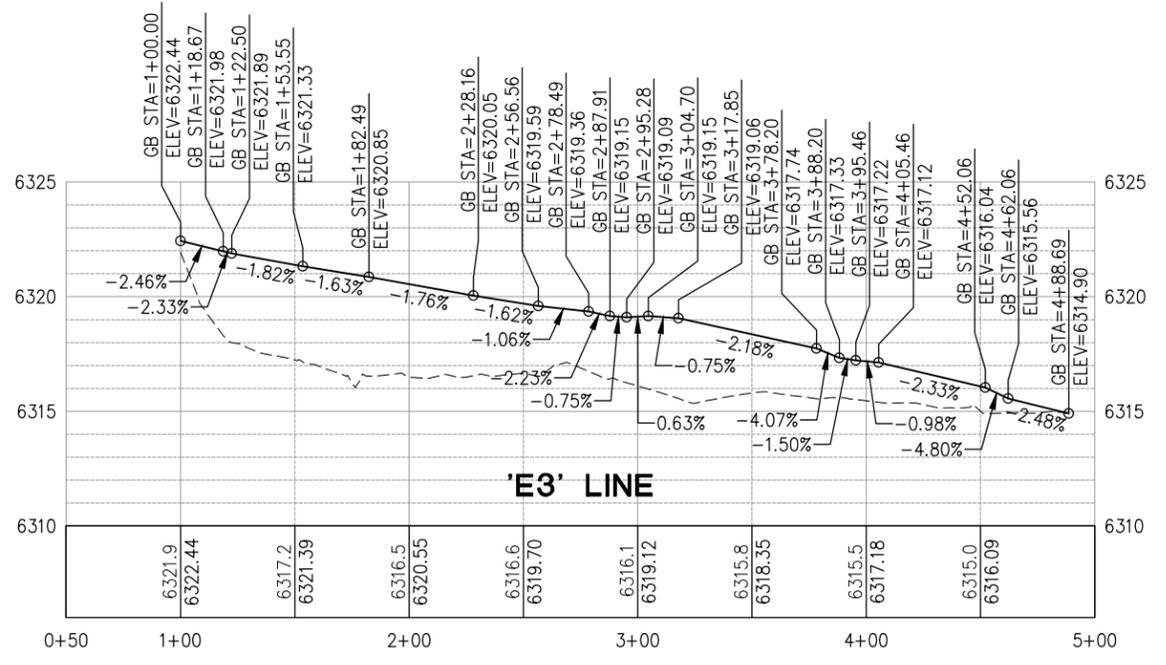
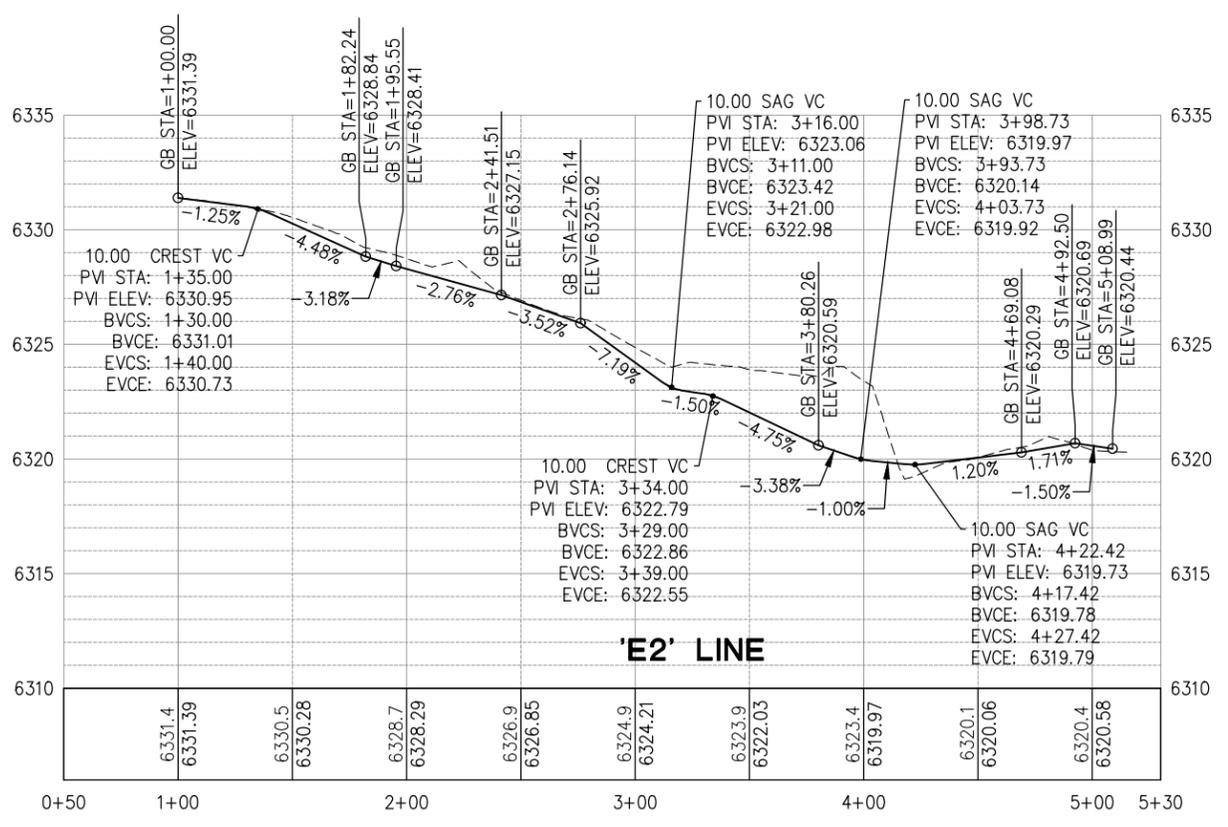
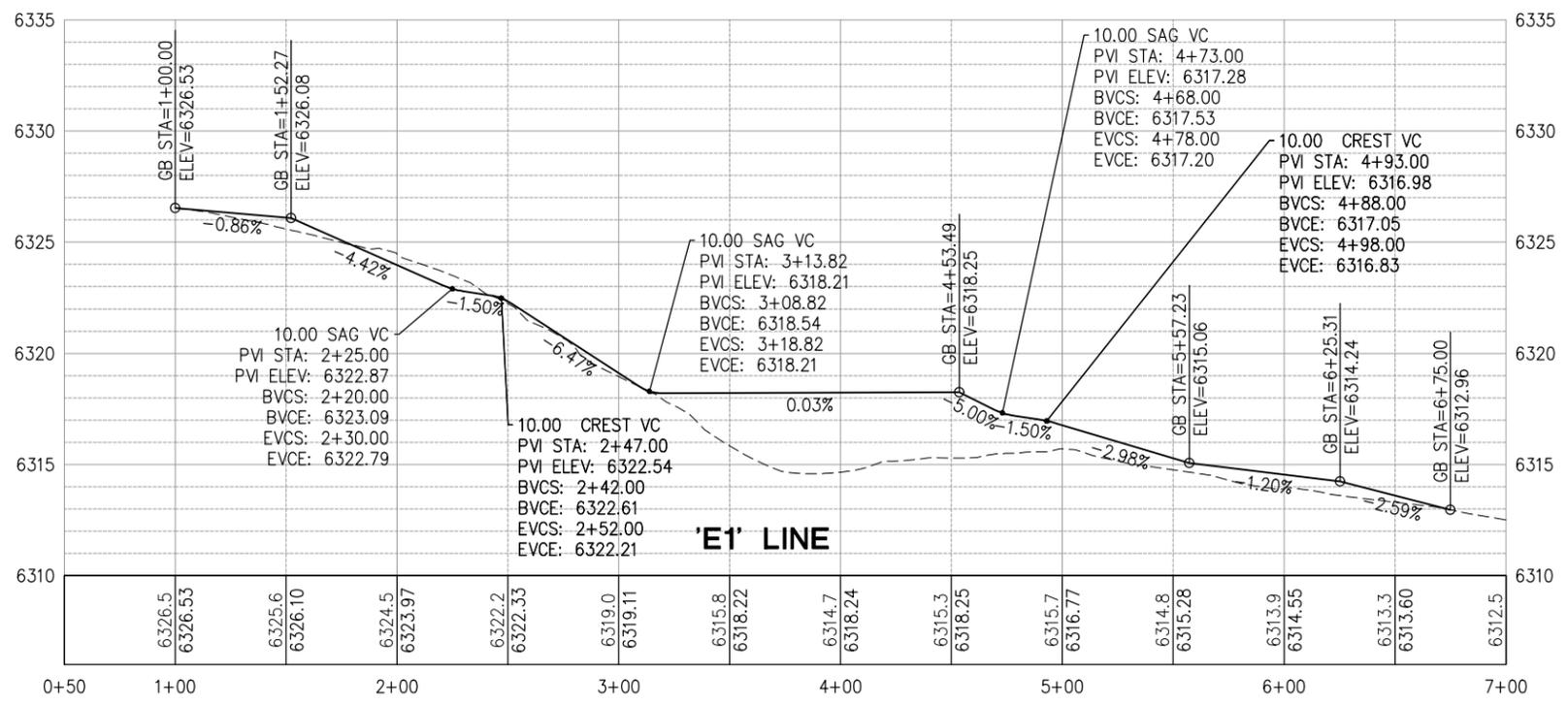
COUNTY OF EL DORADO  
 DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50  
 INTERSECTION SAFETY  
 IMPROVEMENT PROJECT

SHEET  
**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 Dec 28, 2023 12:25pm ksujyymr  
 FOR REDUCED PLANS  
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| REVISION | NUMBER | DATE | DESCRIPTION | BY |
|----------|--------|------|-------------|----|
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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

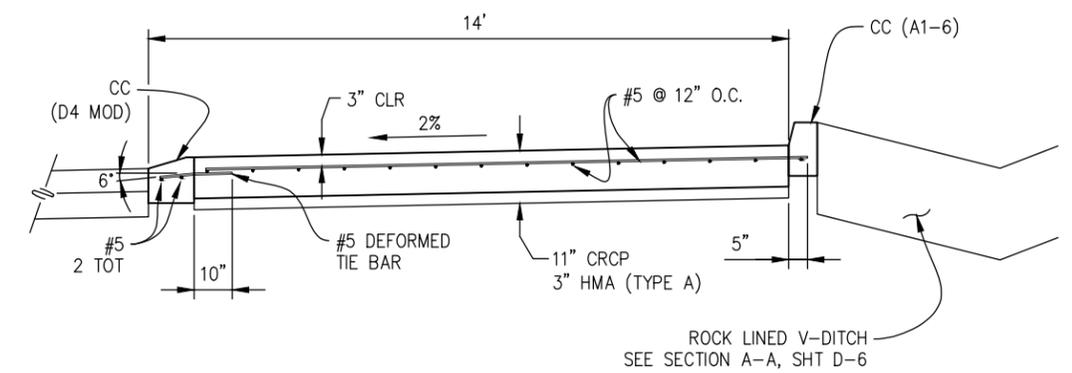
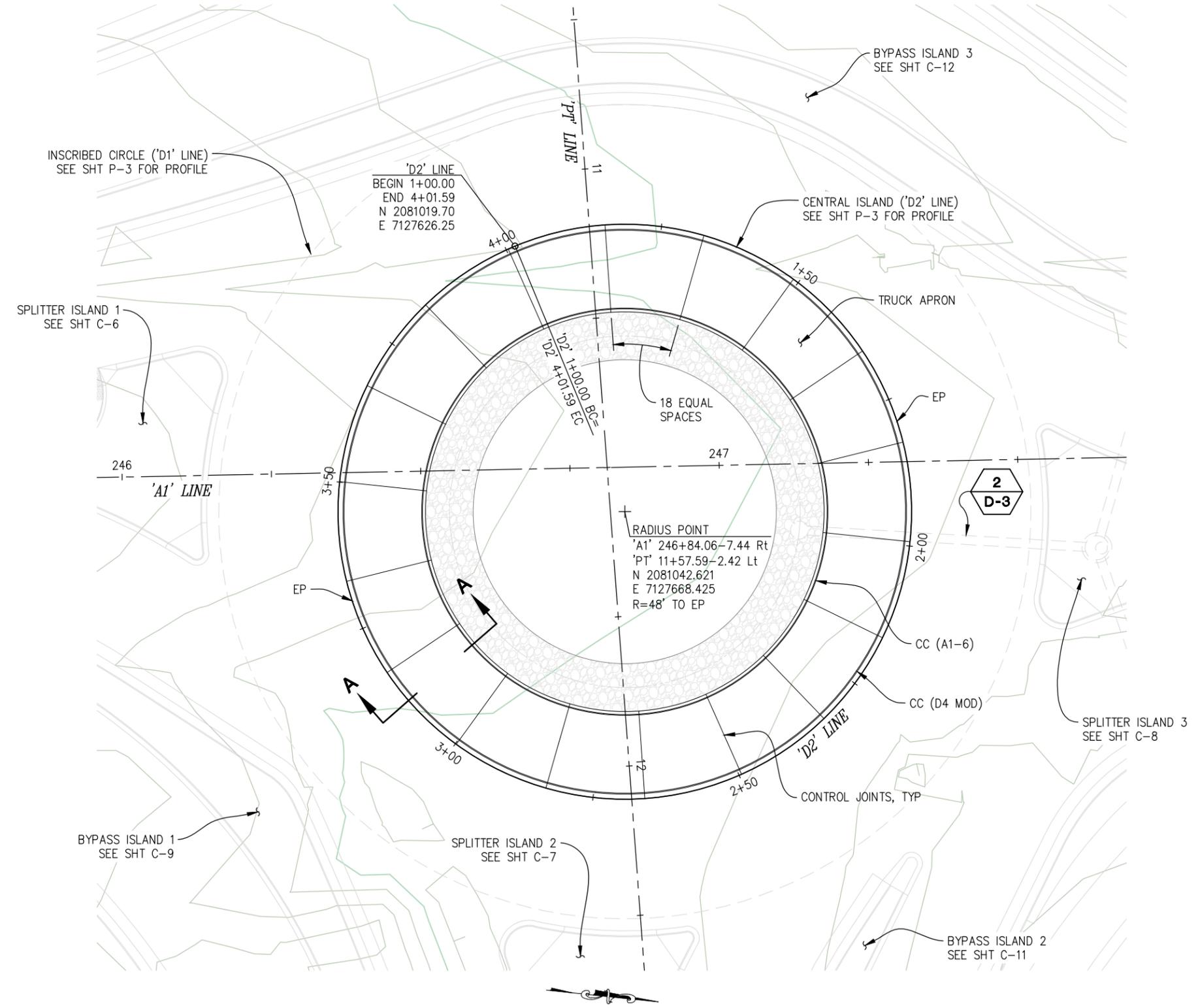
PIONEER TRAIL/US HIGHWAY 50  
 INTERSECTION SAFETY  
 IMPROVEMENT PROJECT

CU XX EFIS 0317000163 EA 03-2H610

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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| REVISION | NUMBER | DATE | DESCRIPTION | BY |
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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



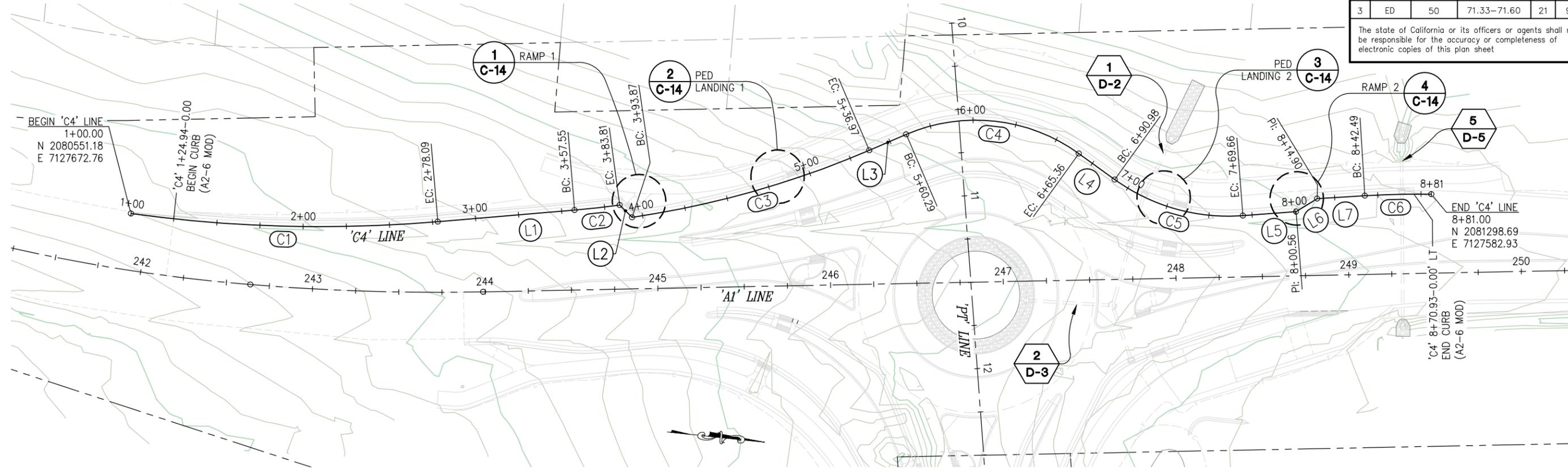
**COUNTY OF EL DORADO**  
**DEPARTMENT OF TRANSPORTATION**

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

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

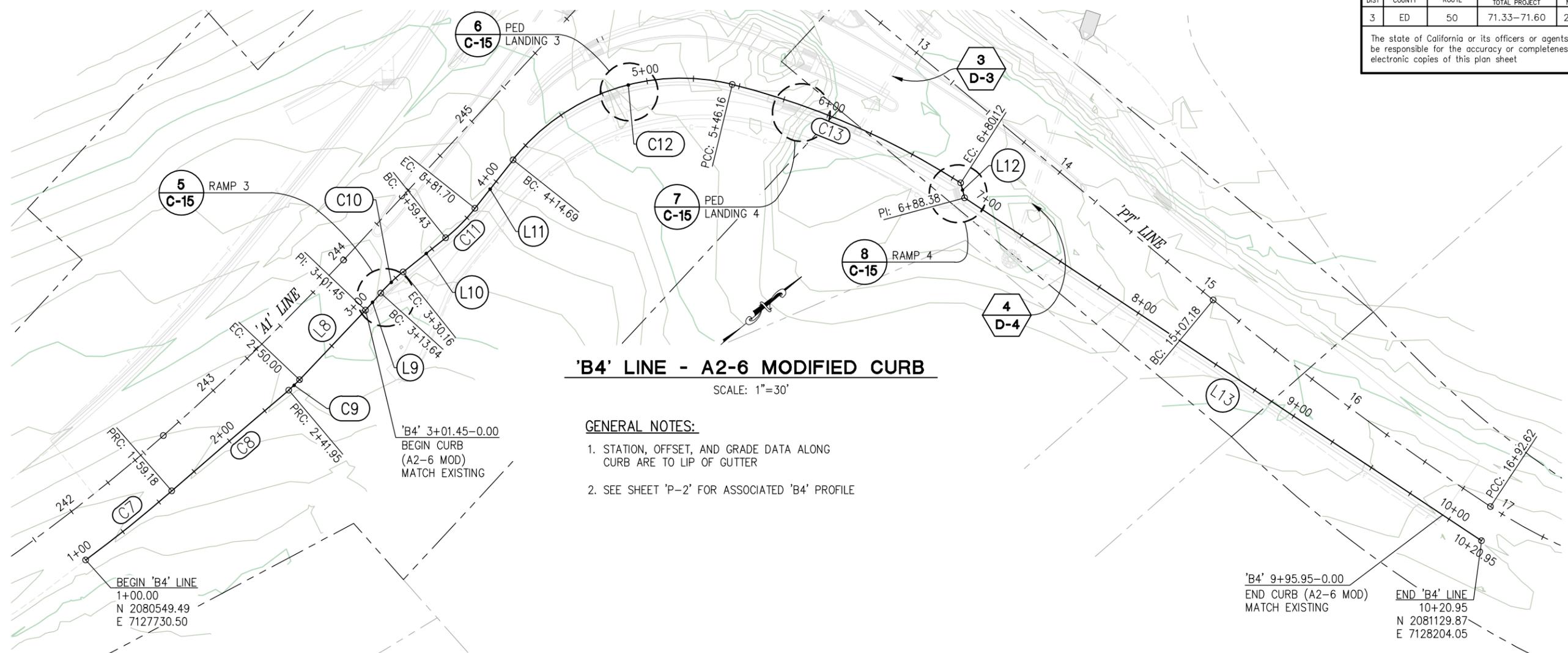


**COUNTY OF EL DORADO**  
**DEPARTMENT OF TRANSPORTATION**

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

SHEET  
**C-2**  
21 OF 94  
W.O. No.  
**7614**

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| 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                 |             |

| 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 |                       |

| 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

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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



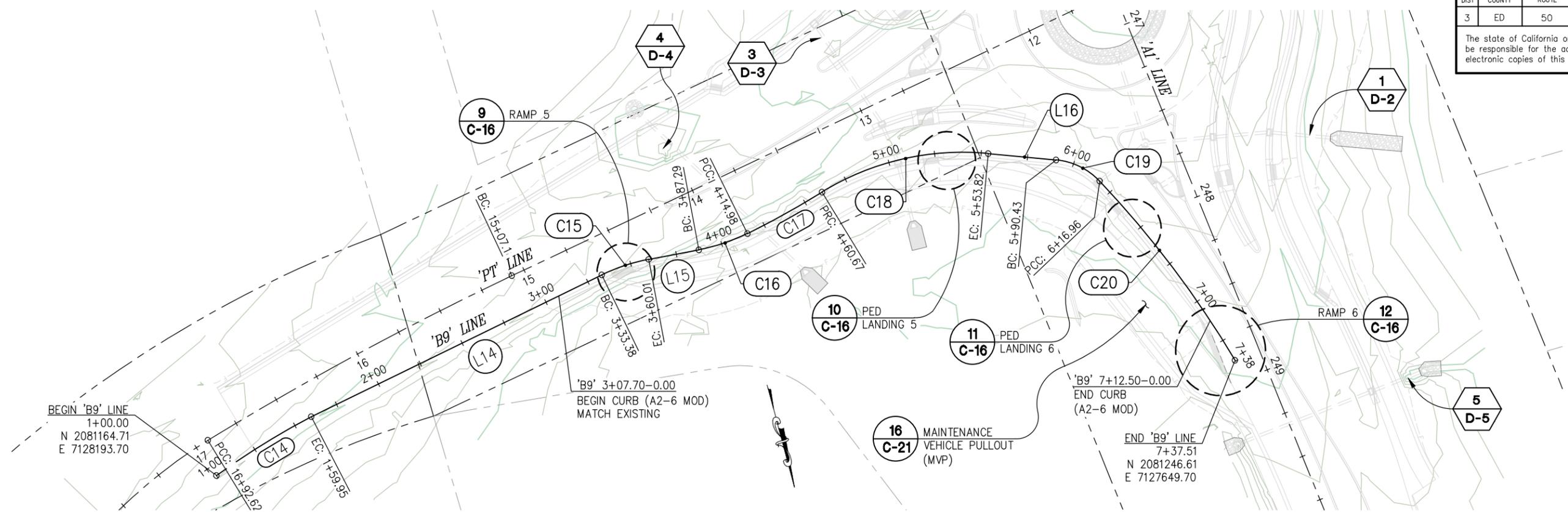
**COUNTY OF EL DORADO**  
**DEPARTMENT OF TRANSPORTATION**

**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'

| 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" |

| 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 |                       |

| 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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|          |        |      |             |    |
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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

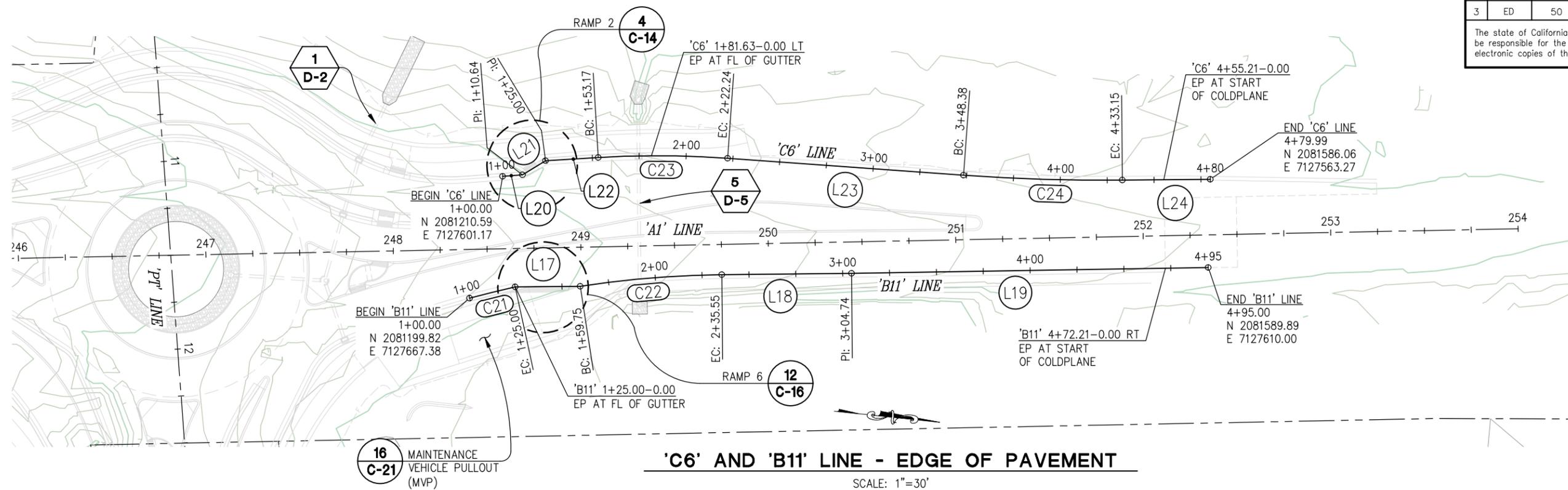


**COUNTY OF EL DORADO DEPARTMENT OF TRANSPORTATION**

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

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

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**'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**

CU XX EFIS 0317000163 EA 03-2H610

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Drawing name: C:\Users\ksugiyama\Desktop\C-Sheets.dwg Layout Tab: C-5 Dec 29, 2023 2:29pm ksugiyama

| REVISION | NUMBER | DATE | DESCRIPTION | BY |
|----------|--------|------|-------------|----|
|          |        |      |             |    |



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

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



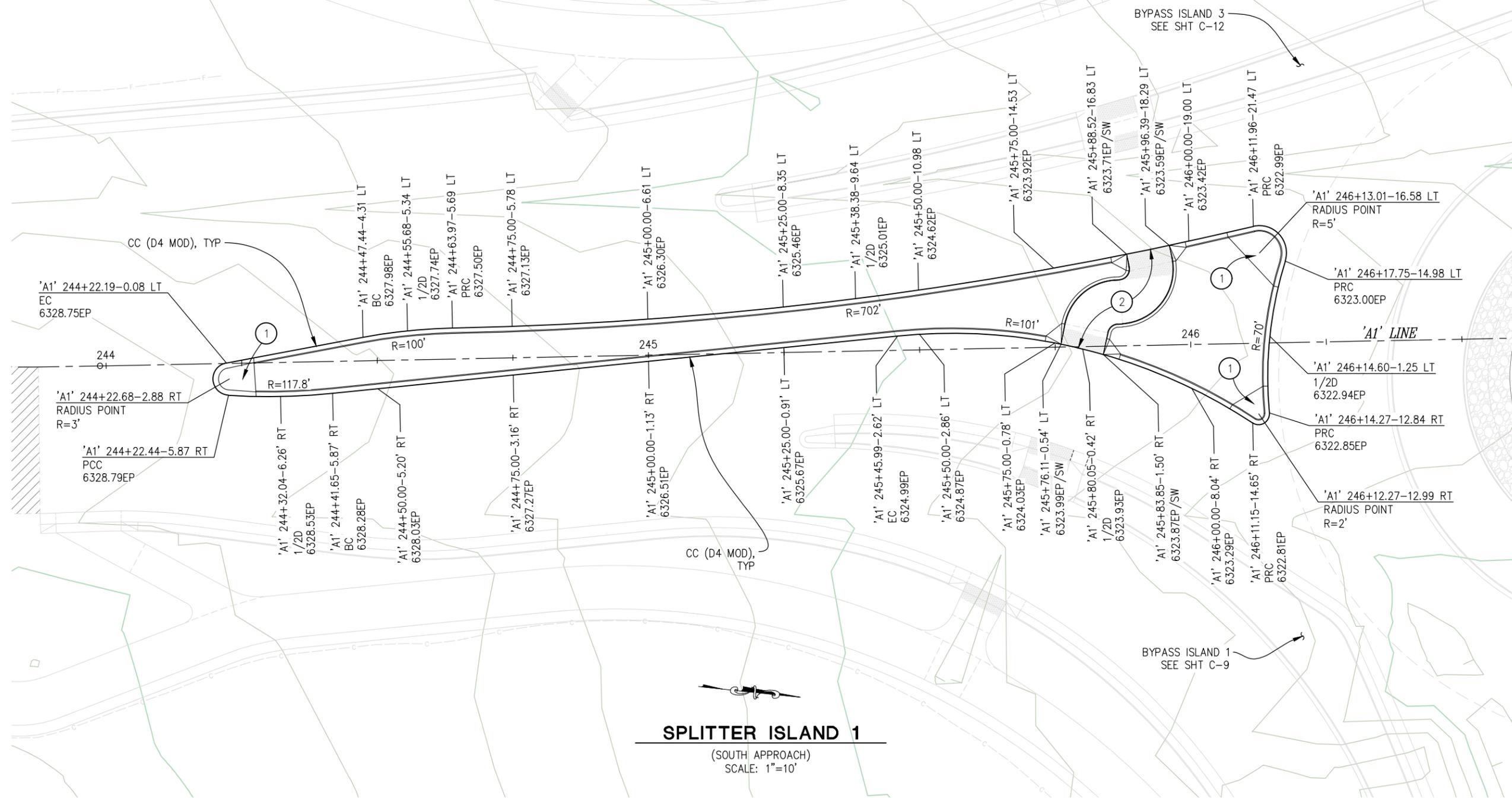
**COUNTY OF EL DORADO DEPARTMENT OF TRANSPORTATION**

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

SHEET  
**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

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FOR REDUCED PLANS

**CONSTRUCTION DETAILS**  
 SCALE : AS SHOWN

CU XX EFIS 0317000163 EA 03-2H610

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|----------|--------|------|-------------|----|
|          |        |      |             |    |



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

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



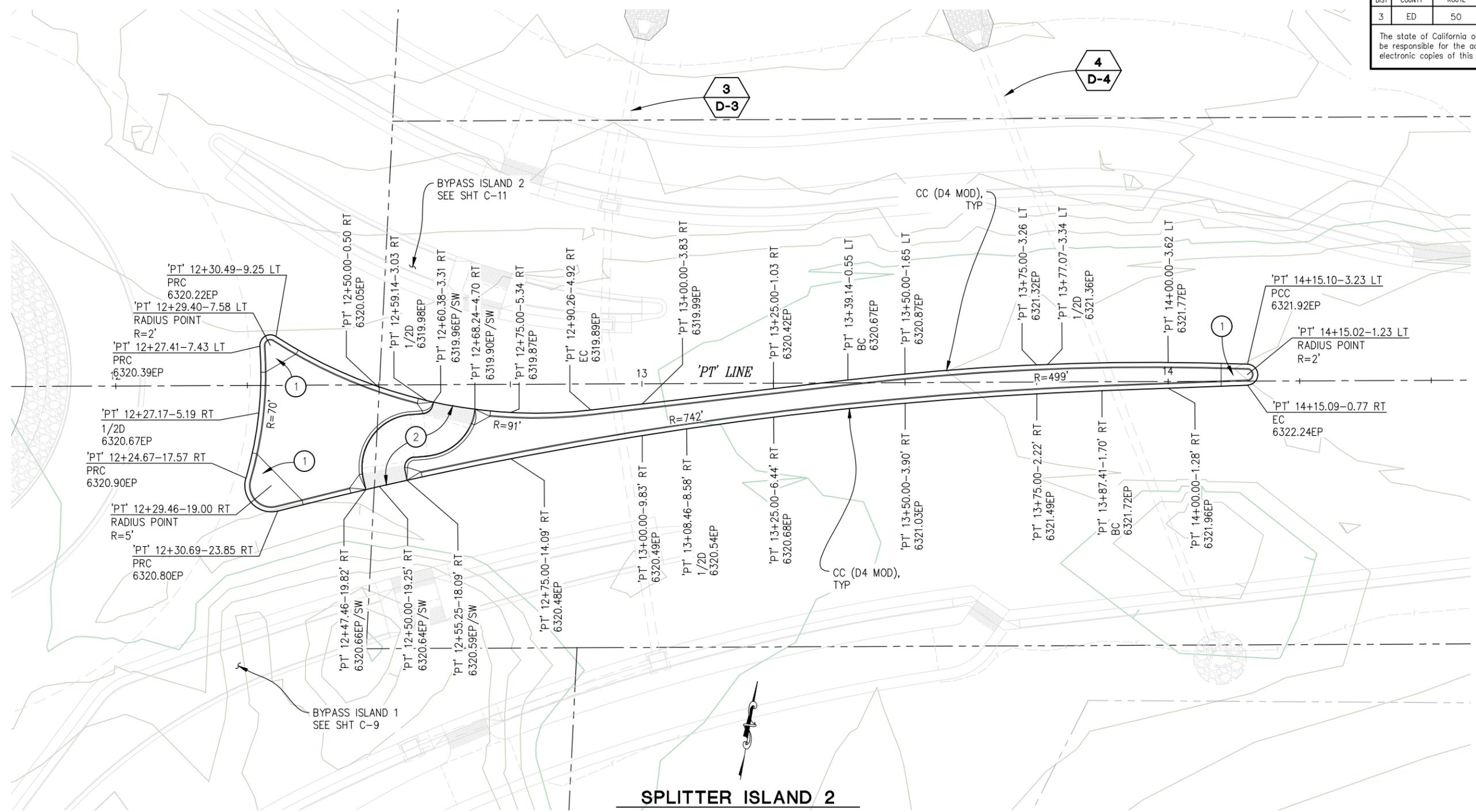
**COUNTY OF EL DORADO**  
**DEPARTMENT OF TRANSPORTATION**

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

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

**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

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**COUNTY OF EL DORADO  
DEPARTMENT OF TRANSPORTATION**

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

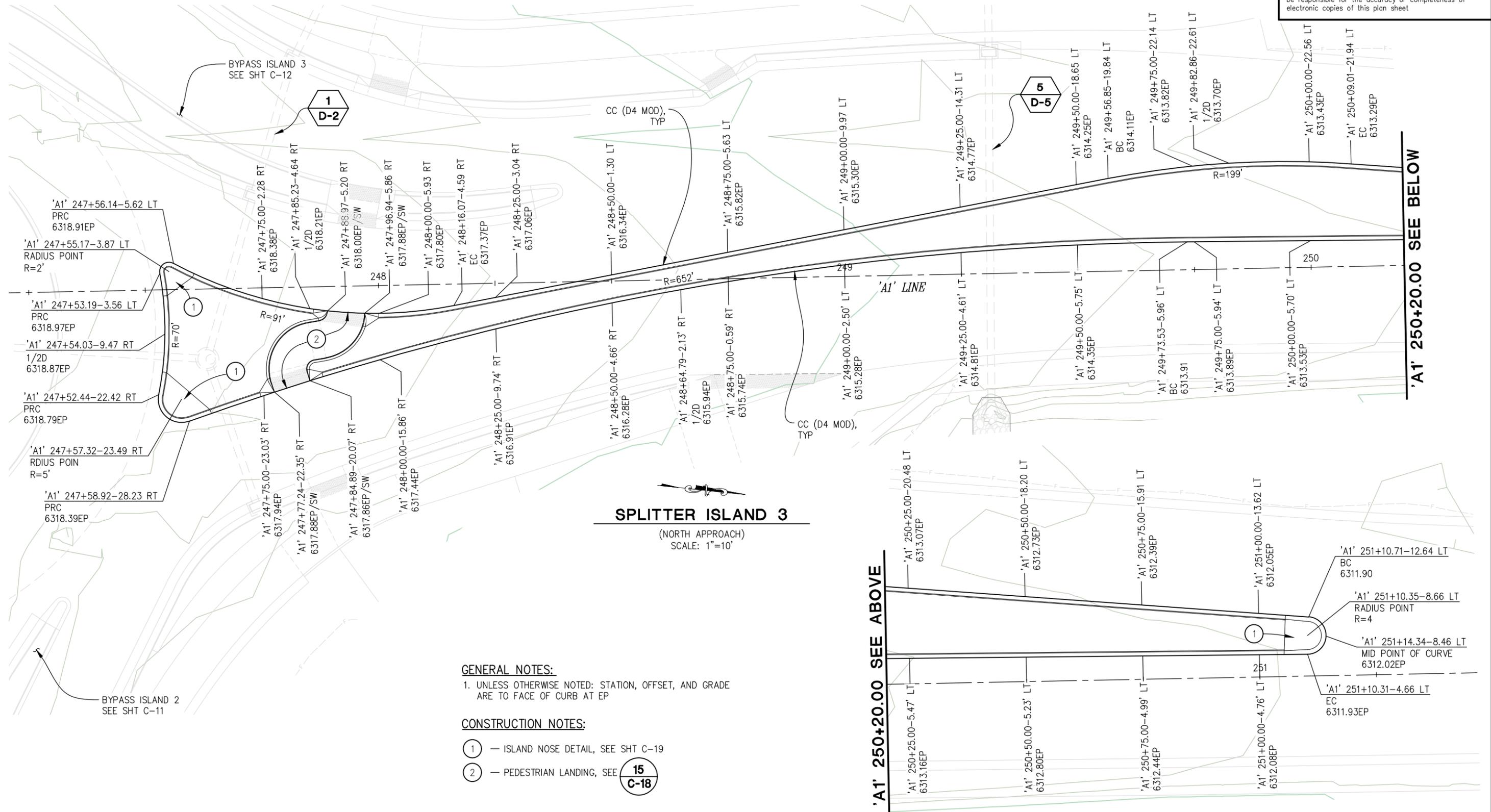
SHEET  
**C-7**  
26 OF 94  
W.O. No.  
**7614**

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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ROAD NUMBER: 000



**COUNTY OF EL DORADO**  
**DEPARTMENT OF TRANSPORTATION**

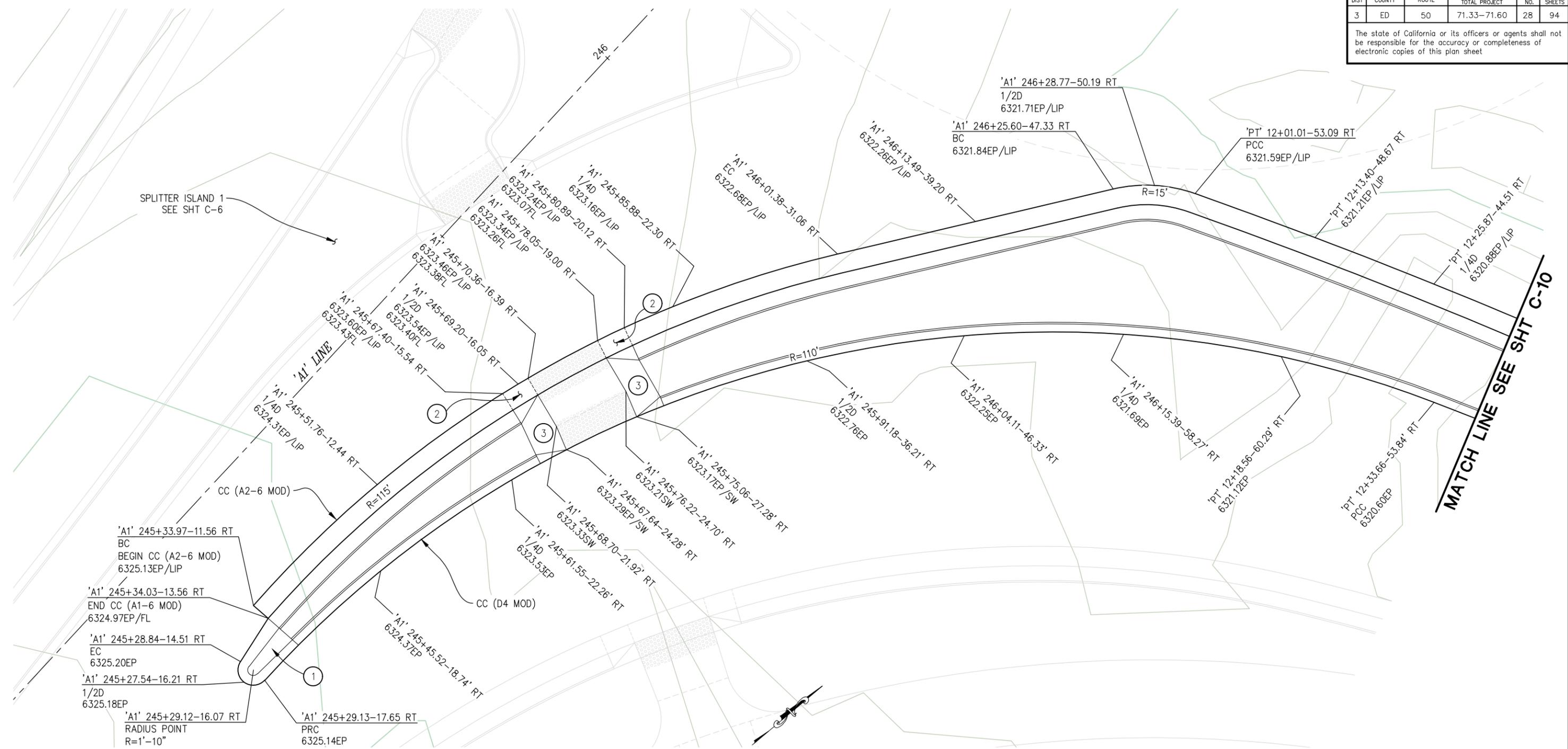
**PIONEER TRAIL/US HIGHWAY 50**  
**INTERSECTION SAFETY**  
**IMPROVEMENT PROJECT**

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 |
|-------|-----------------|-------------|

| REVISION | NUMBER | DATE | DESCRIPTION | BY |
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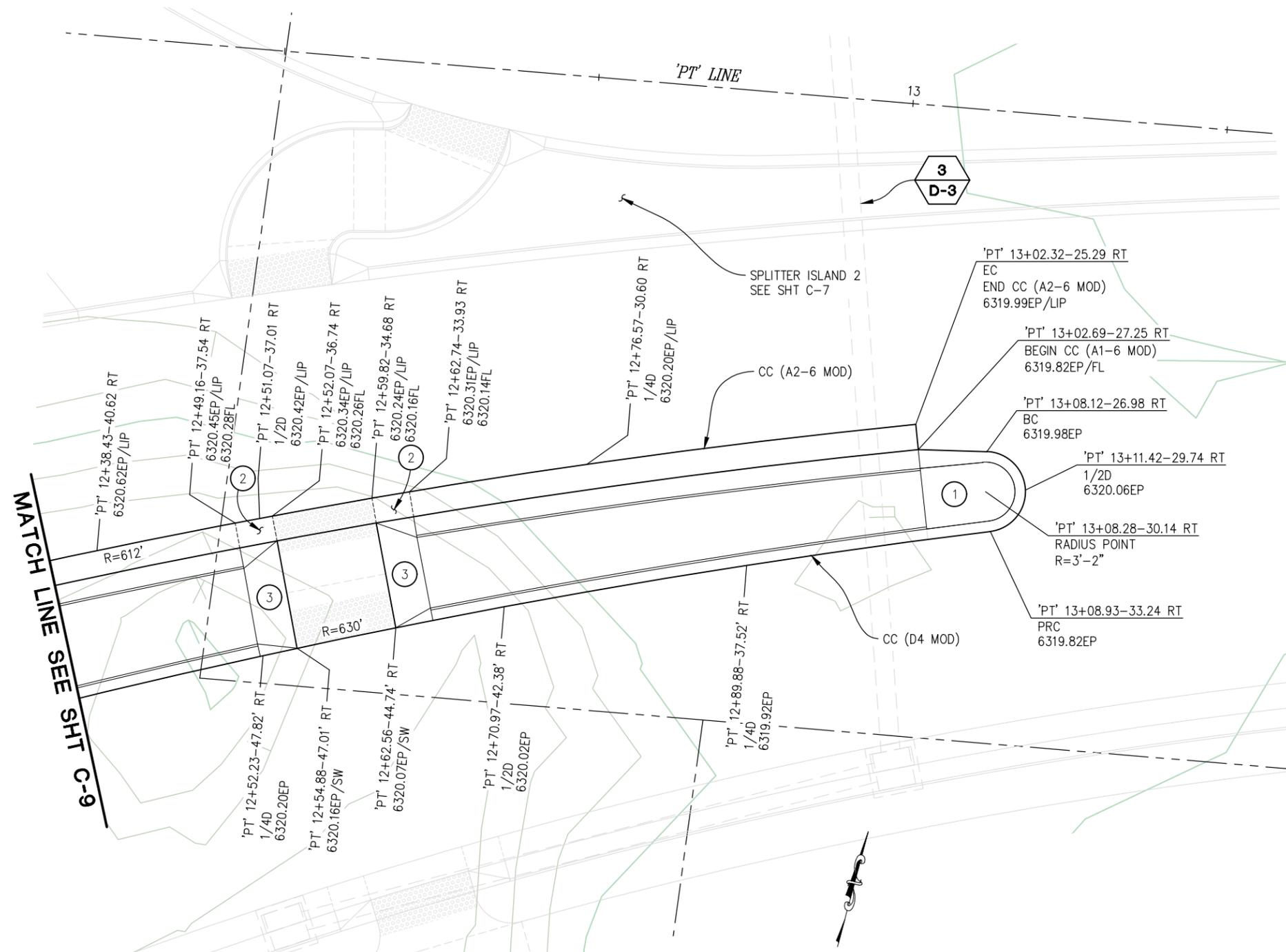
**COUNTY OF EL DORADO  
DEPARTMENT OF TRANSPORTATION**

**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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MATCH LINE SEE SHT C-9

**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

|       |                 |             |
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| CU XX | EFIS 0317000163 | EA 03-2H610 |
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DECEMBER 29, 2023  
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ROAD NUMBER: 000



**COUNTY OF EL DORADO**  
**DEPARTMENT OF TRANSPORTATION**

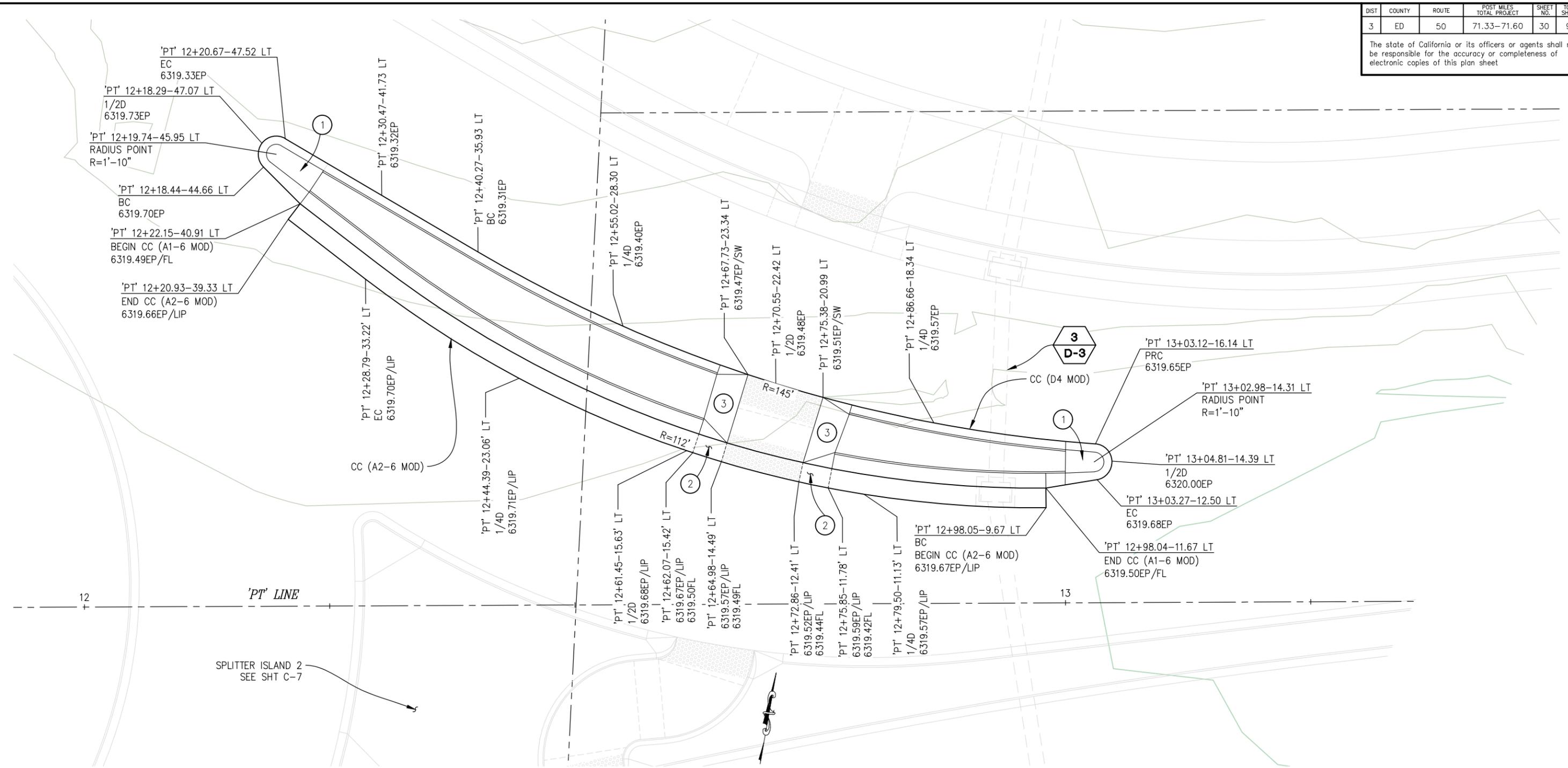
**PIONEER TRAIL/US HIGHWAY 50**  
**INTERSECTION SAFETY**  
**IMPROVEMENT PROJECT**

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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**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

**BYPASS ISLAND 2**

SCALE: 1"=5'

FOR REDUCED PLANS

| 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**

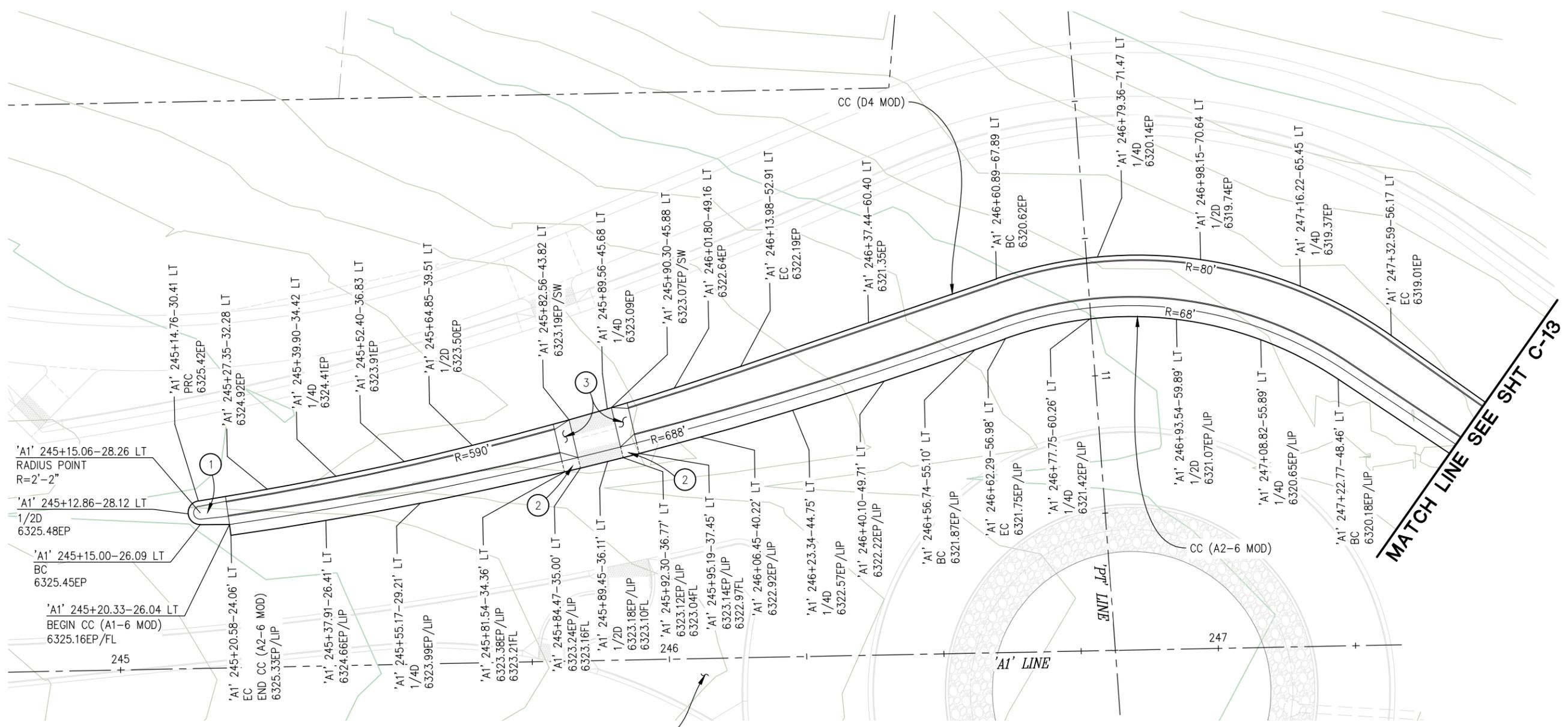
CU XX EFIS 0317000163 EA 03-2H610

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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**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

| REVISION | NUMBER | DATE | DESCRIPTION | BY |
|----------|--------|------|-------------|----|
|          |        |      |             |    |



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 DECEMBER 29, 2023  
 DATE:

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



**COUNTY OF EL DORADO**  
**DEPARTMENT OF TRANSPORTATION**

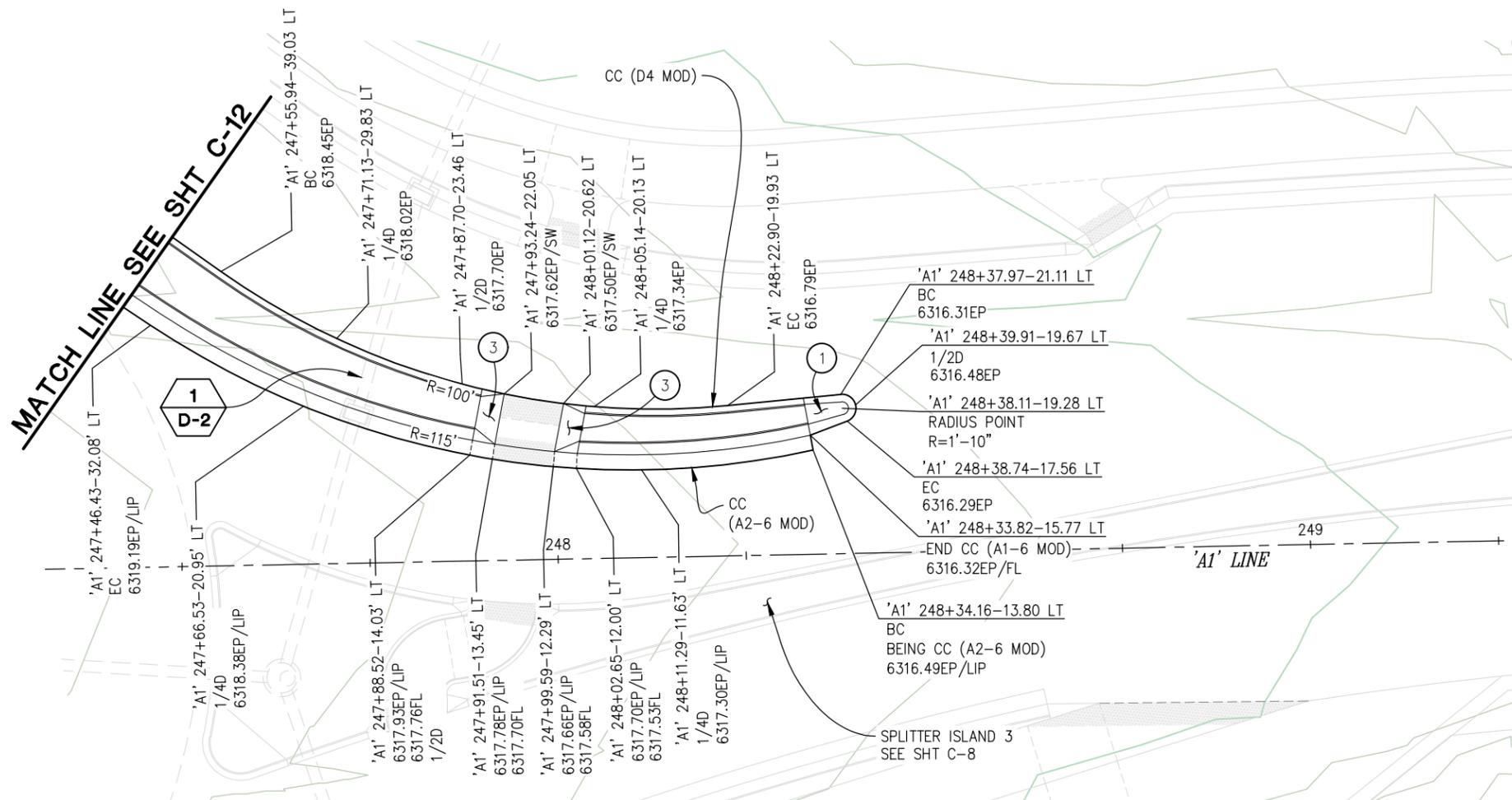
**PIONEER TRAIL/US HIGHWAY 50**  
**INTERSECTION SAFETY**  
**IMPROVEMENT PROJECT**

SHEET  
**C-12**  
 31 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              | 32        | 94           |

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### BYPASS ISLAND 3

SCALE: 1"=10'

#### 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

CU XX EFIS 0317000163 EA 03-2H610

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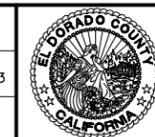
FOR REDUCED PLANS

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DECEMBER 29, 2023  
DATE:

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



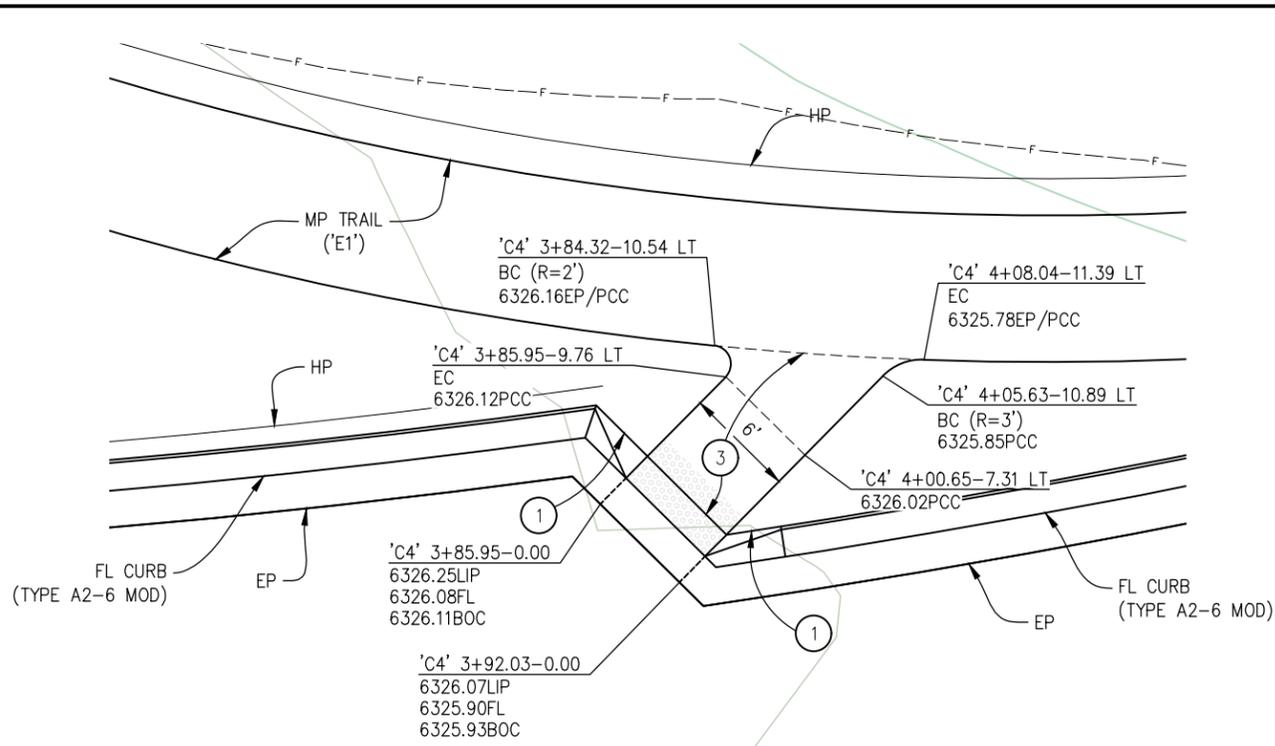
COUNTY OF EL DORADO  
DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50  
INTERSECTION SAFETY  
IMPROVEMENT PROJECT

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

| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 3    | ED     | 50    | 71.33-71.60              | 33        | 94           |

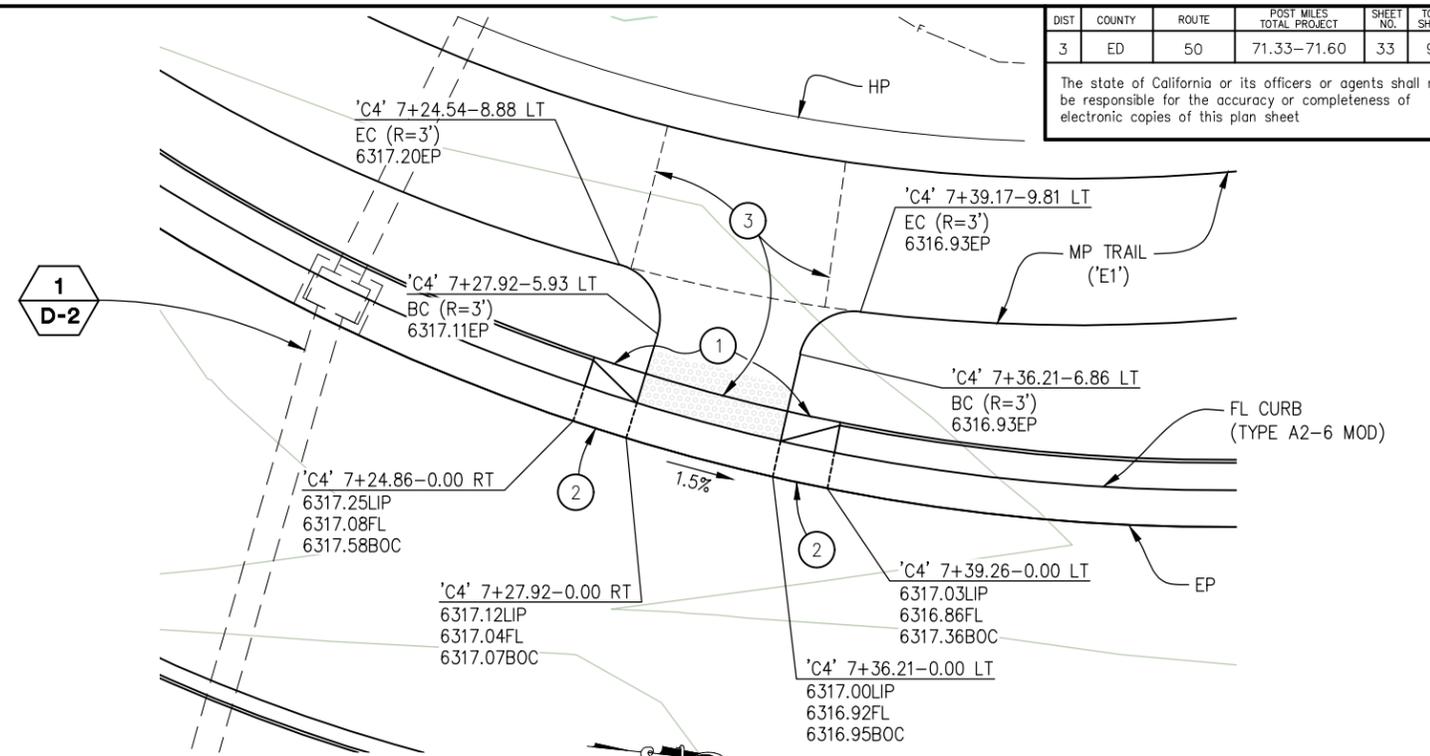
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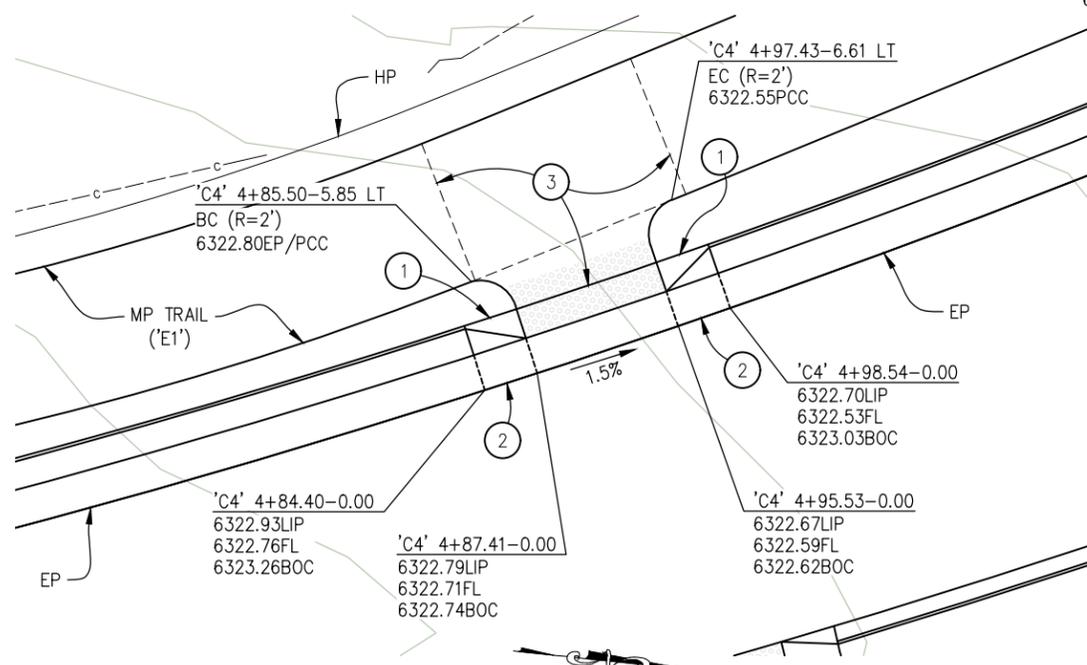
**1 RAMP 1**  
SCALE: 1"=5'

**CONSTRUCTION NOTES:**

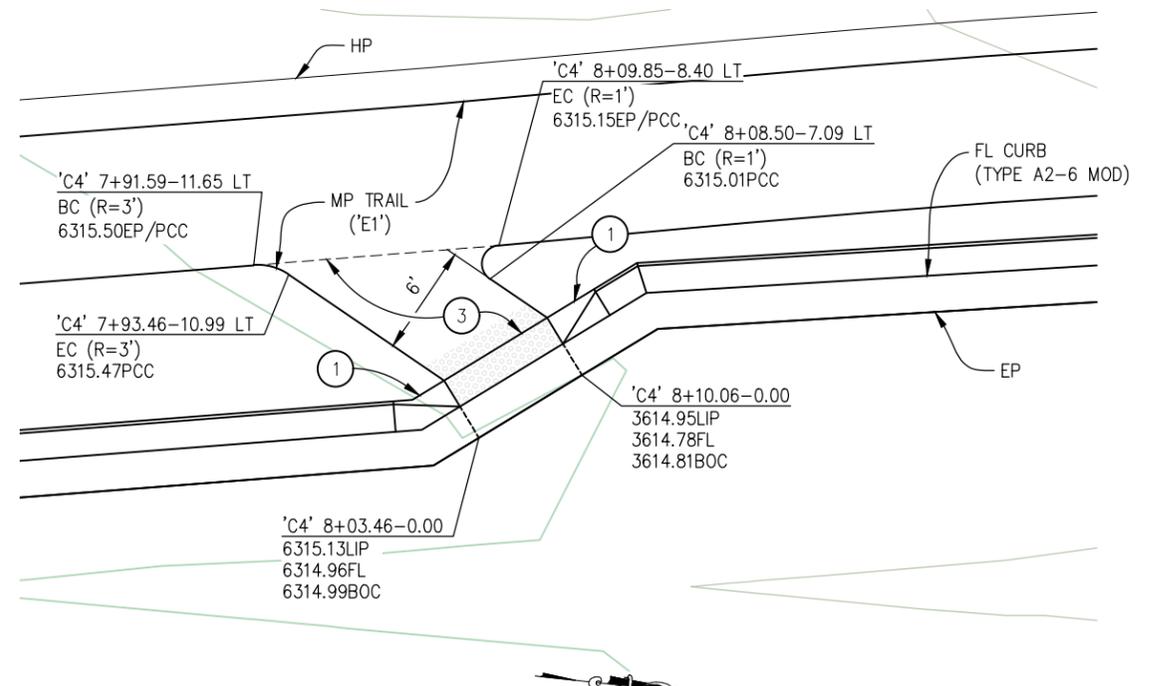
- ① — 3' TRANSITION FROM NOMINAL CURB HEIGHT TO 0" HEIGHT
- ② — 3' GUTTER PAN CROSS SLOPE TRANSITION, 4.1% AT EDGE OF RAMP TO STANDARD TYPE 2 GUTTER PAN SLOPE AT TRANSITION END. (LOWER LIP OF GUTTER TO ACHIEVE DESIRED CROSS SLOPE)
- ③ — 4" PCC OVER 6" AB (CLASS 2)



**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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DRAWN: KIS  
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DATE: 10/05/23  
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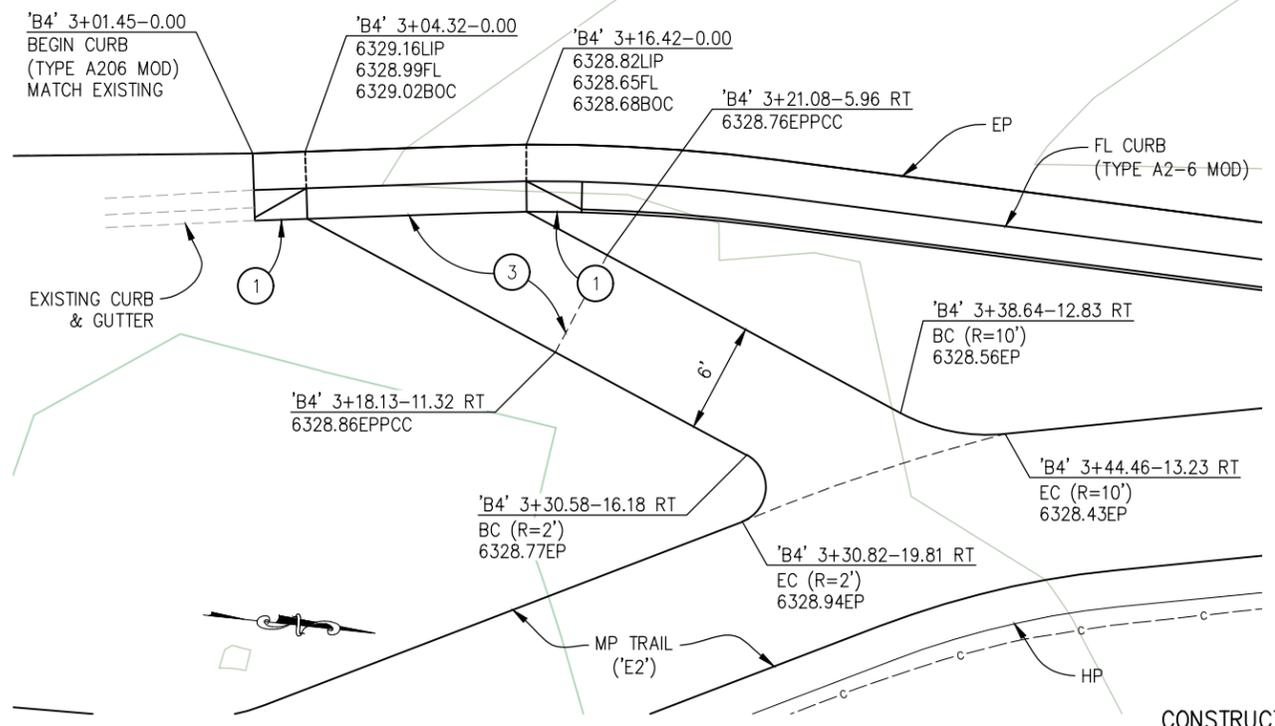
**COUNTY OF EL DORADO  
DEPARTMENT OF TRANSPORTATION**

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

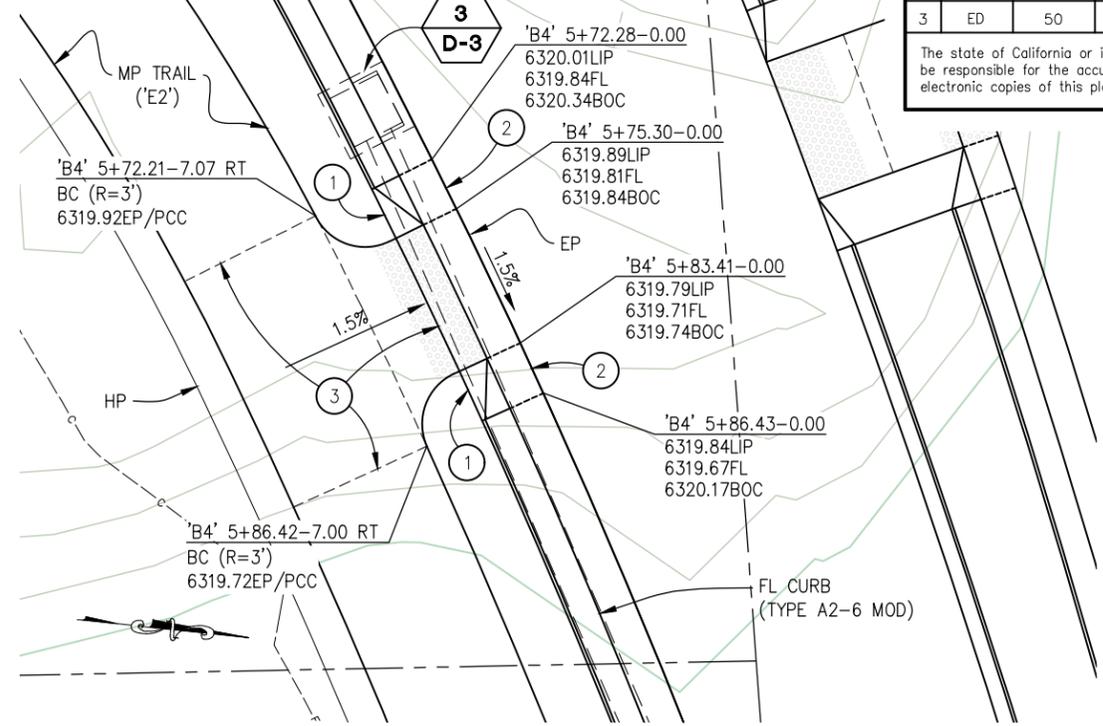
SHEET  
**C-14**  
33 OF 94  
W.O. No.  
**7614**

| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 3    | ED     | 50    | 71.33-71.60              | 34        | 94           |

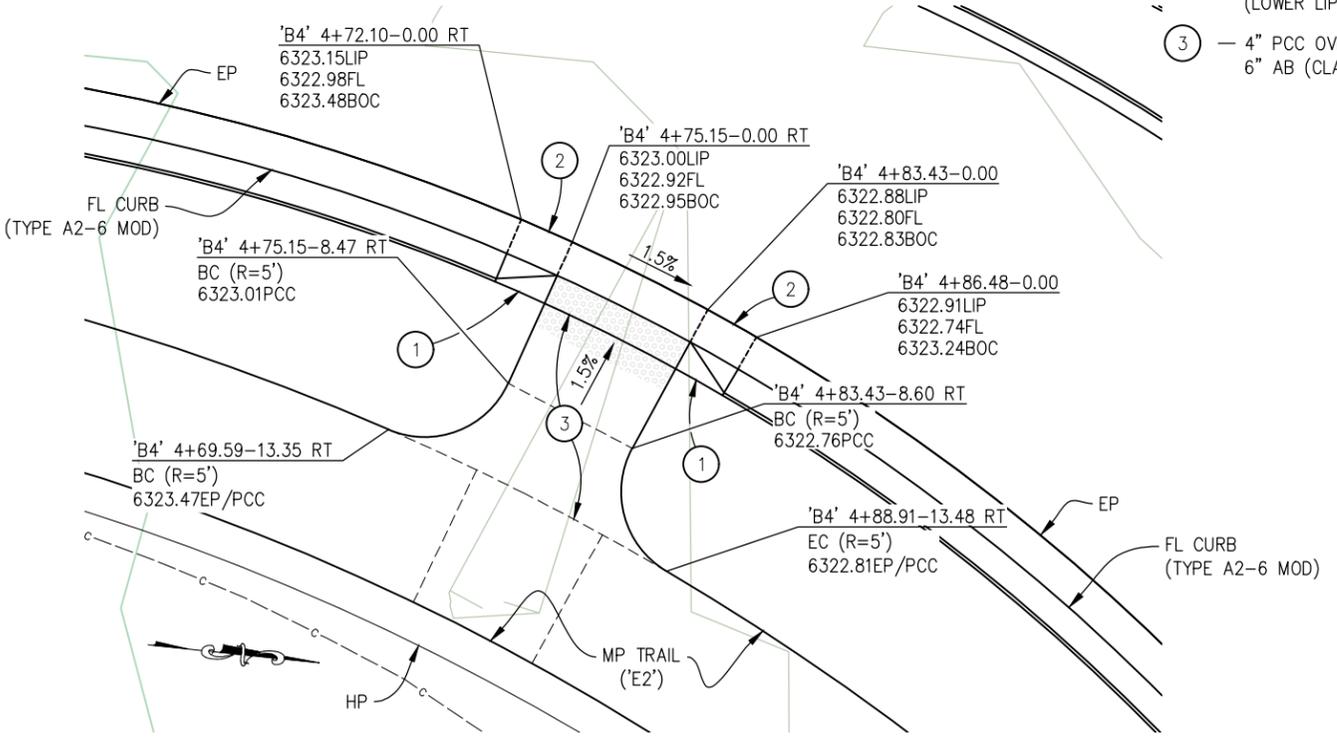
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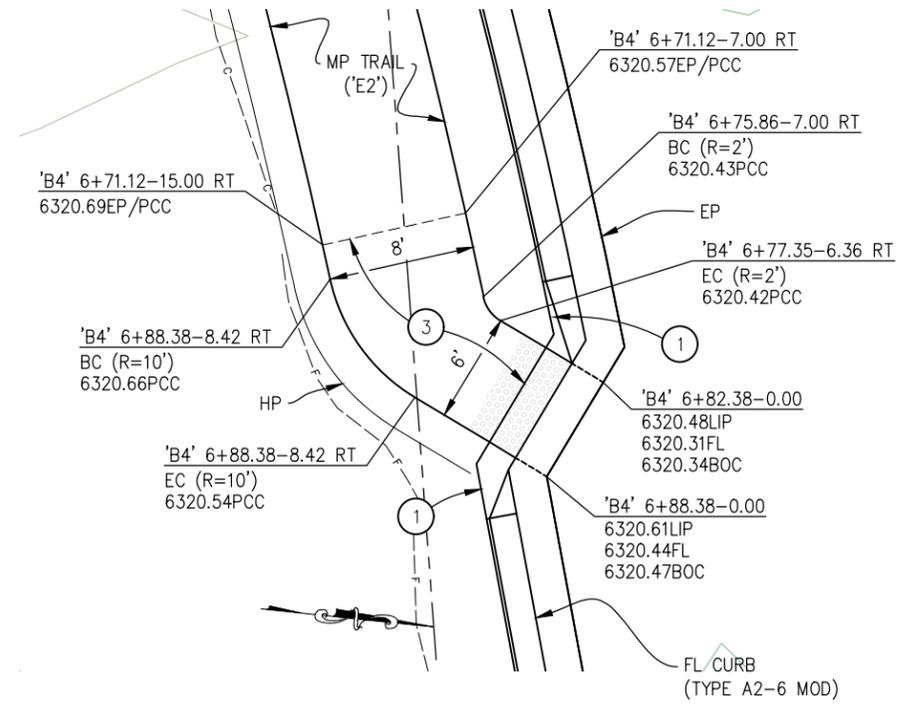
**5 RAMP 3**  
SCALE: 1"=5'



**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**

|       |                 |             |
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DATE: 10/05/23  
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**COUNTY OF EL DORADO DEPARTMENT OF TRANSPORTATION**

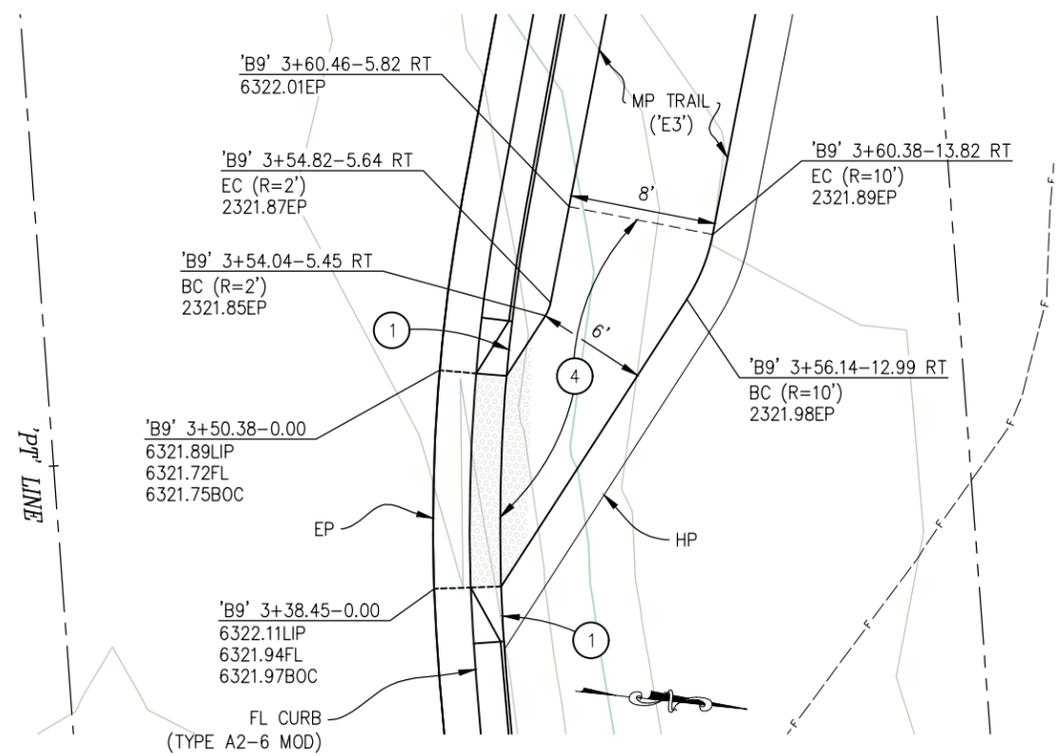
**PIONEER TRAIL/US HIGHWAY 50 INTERSECTION SAFETY IMPROVEMENT PROJECT**

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

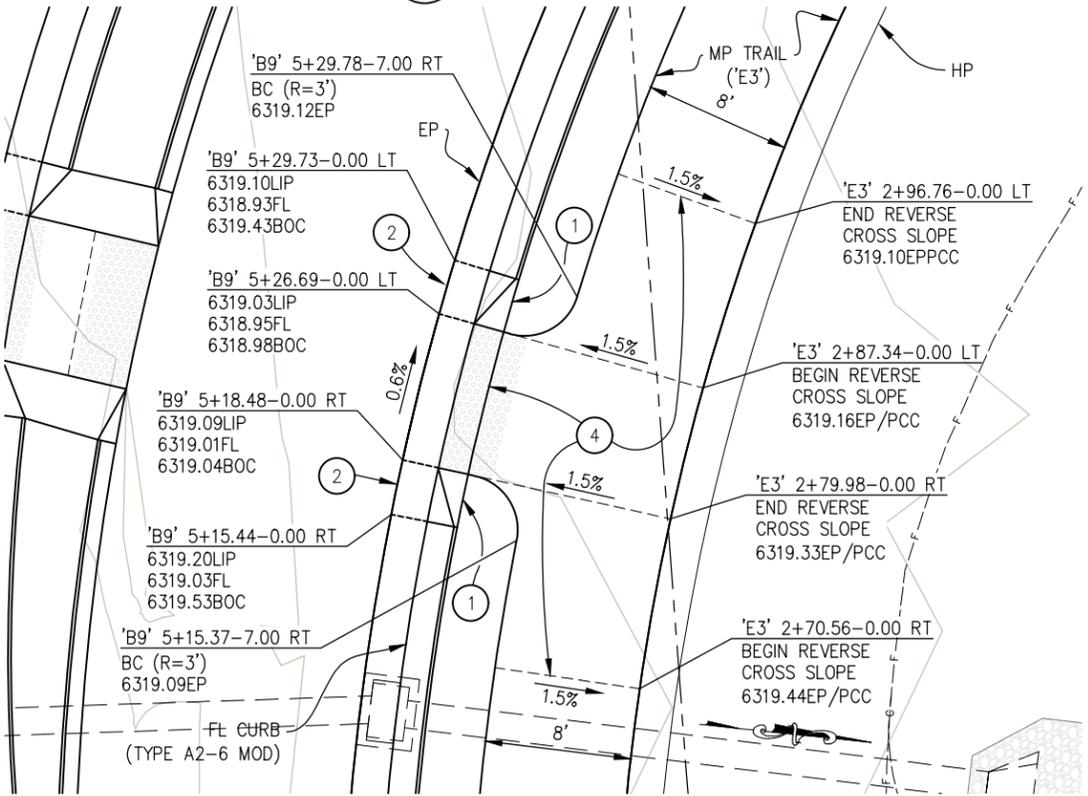
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|------|--------|-------|--------------------------|-----------|--------------|
| 3    | ED     | 50    | 71.33-71.60              | 35        | 94           |

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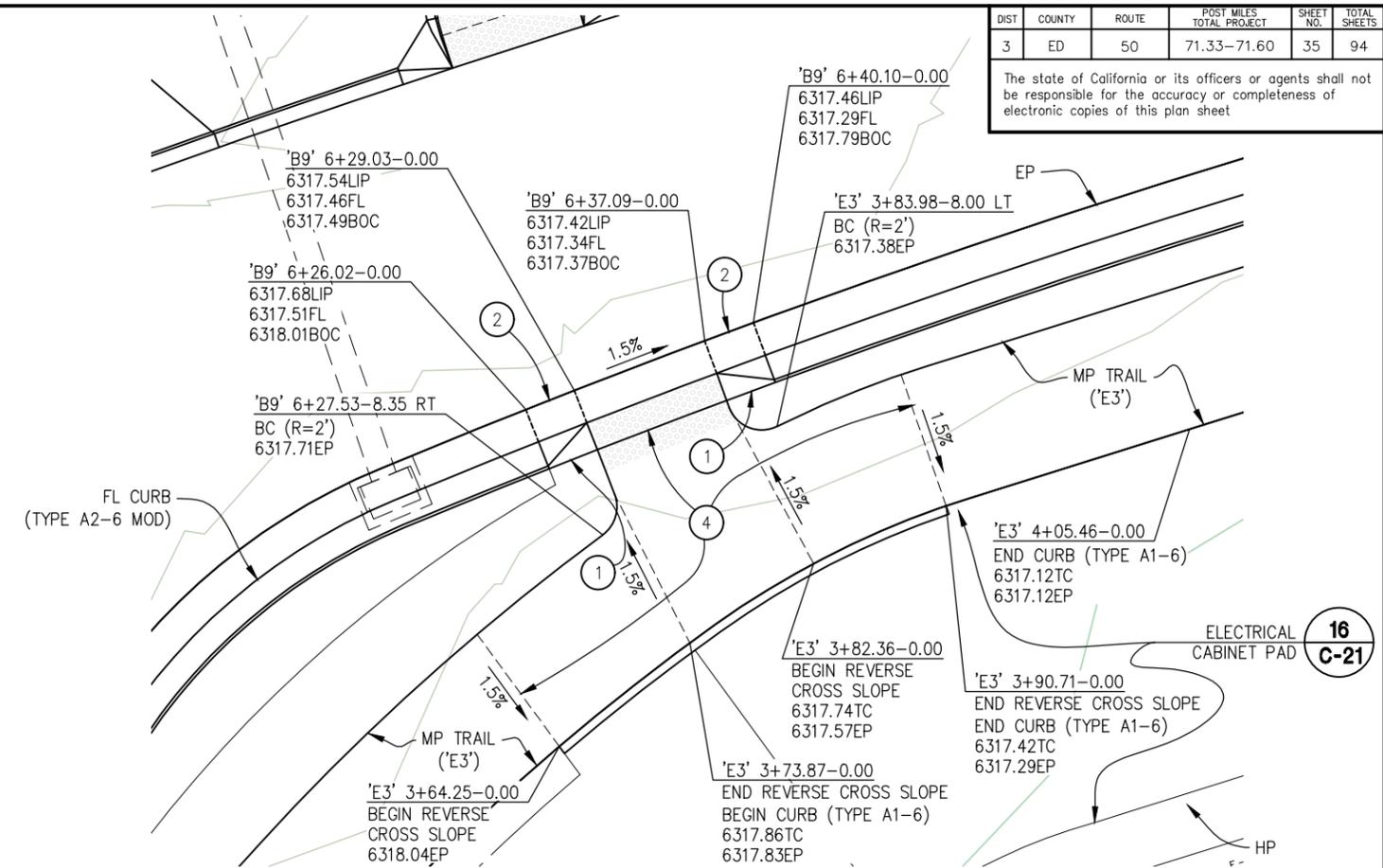
**9 RAMP 5**  
SCALE: 1"=5'



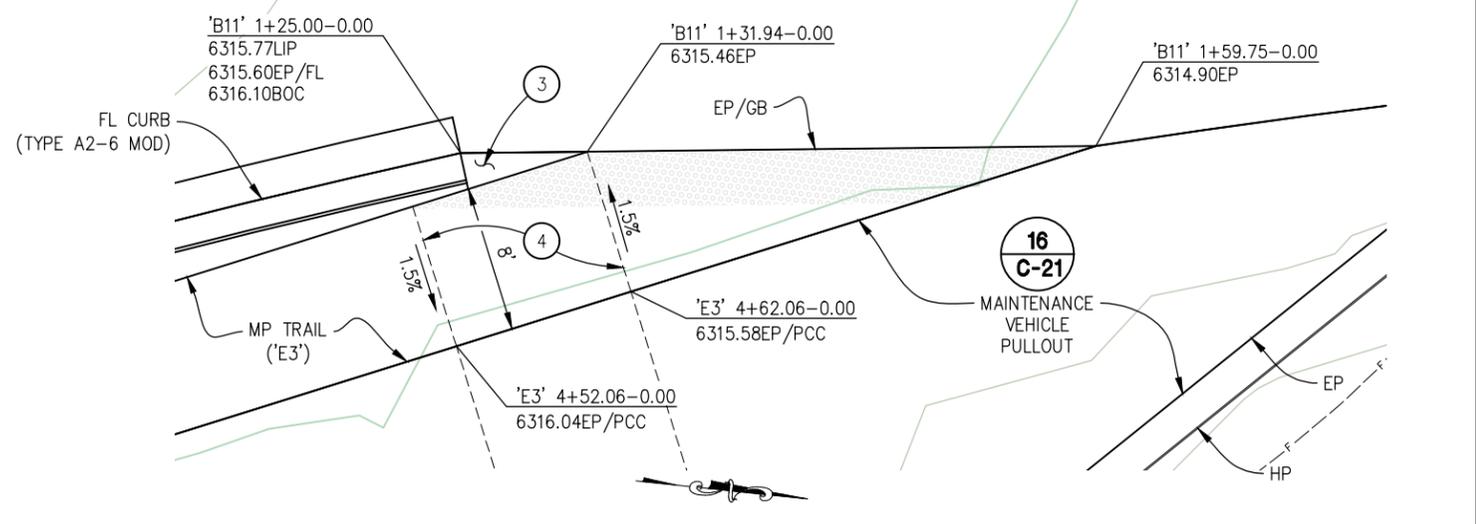
**10 PED LANDING 5**  
SCALE: 1"=5'

**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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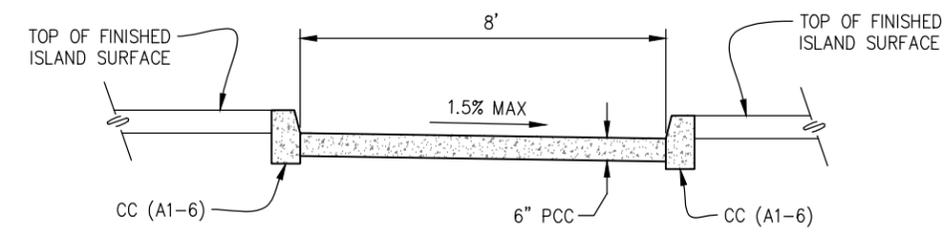
**COUNTY OF EL DORADO**  
**DEPARTMENT OF TRANSPORTATION**

**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           |

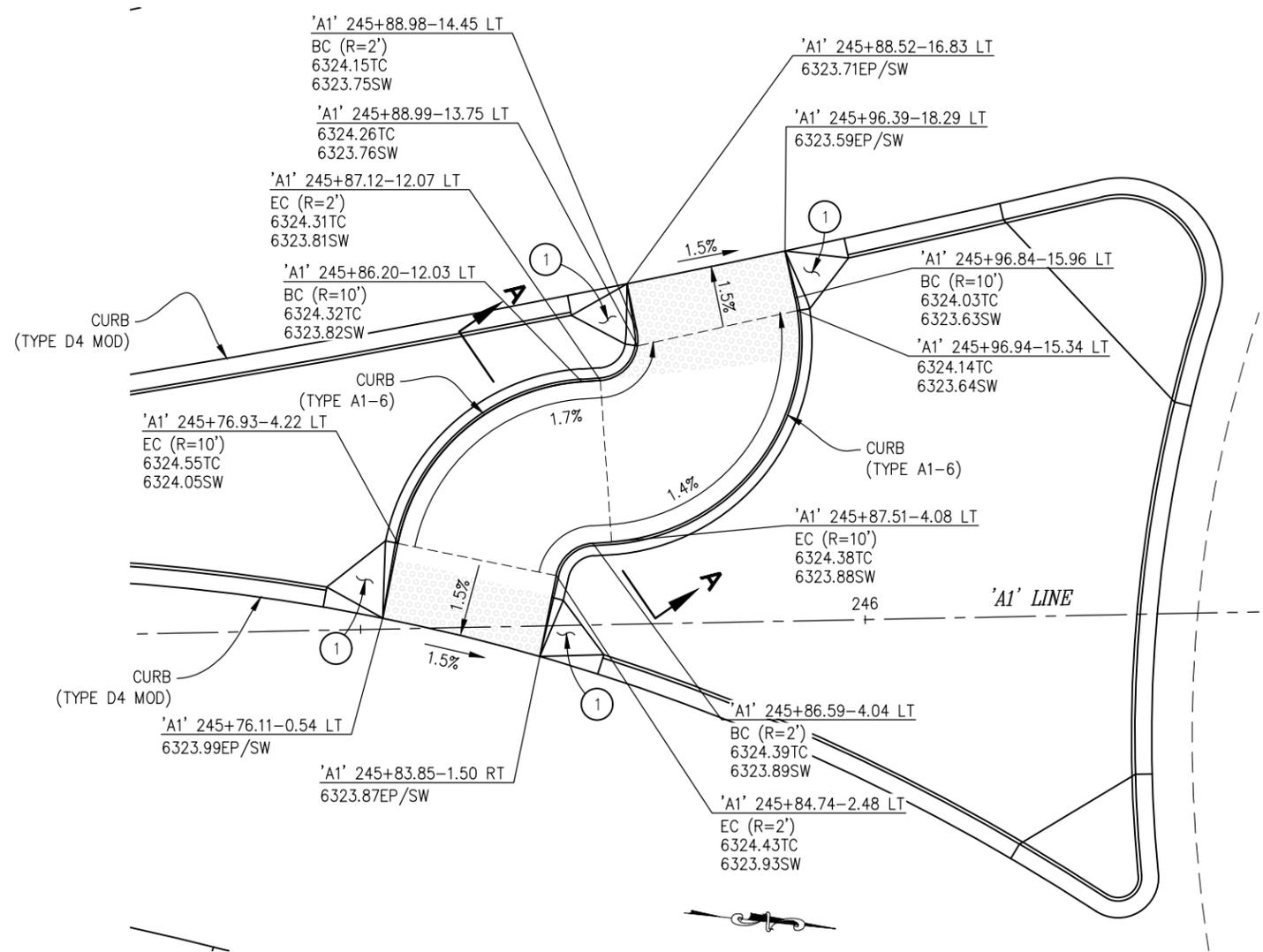
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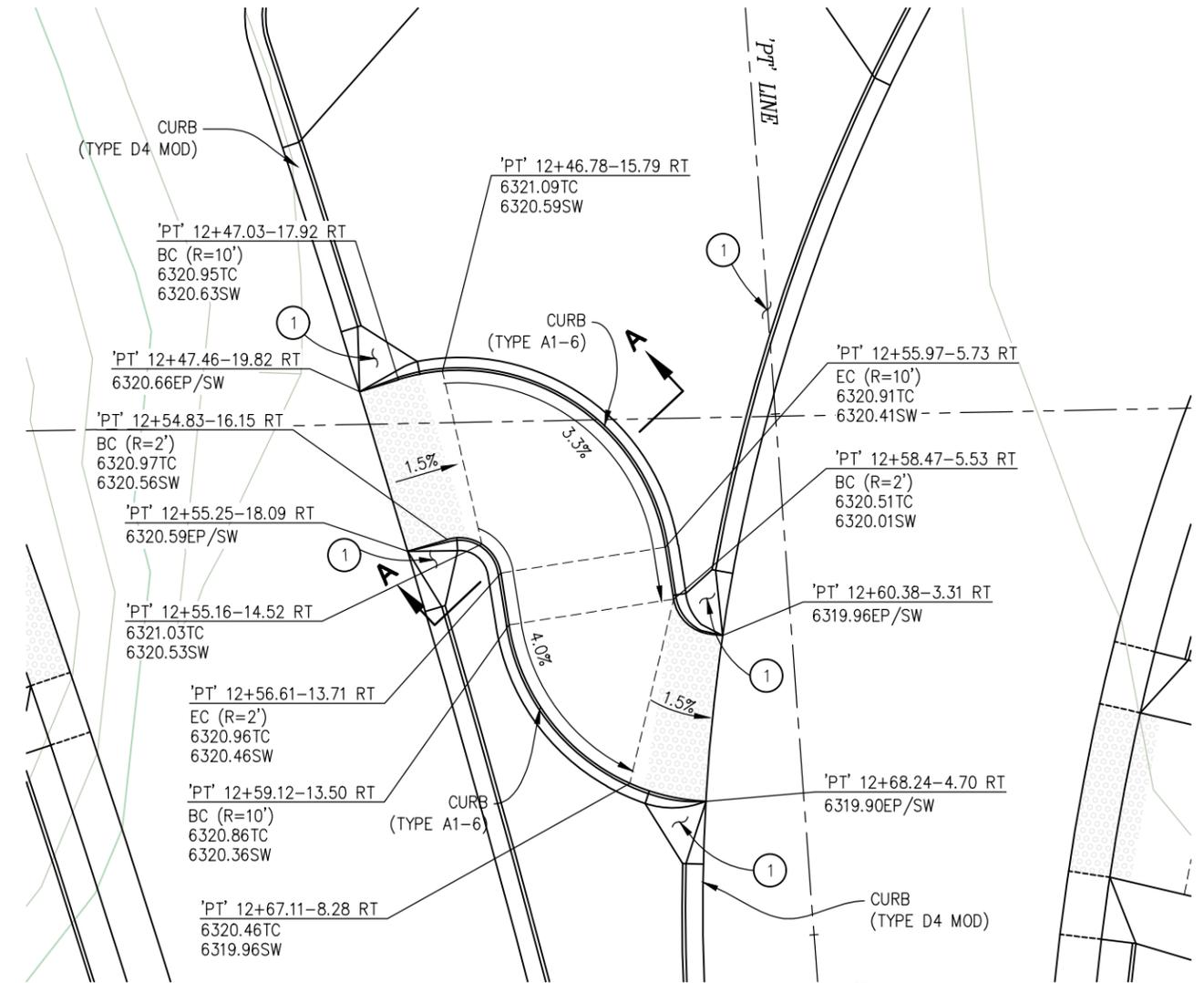
**SECTION A-A**  
NTS

**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

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|-------|-----------------|-------------|
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**COUNTY OF EL DORADO**  
**DEPARTMENT OF TRANSPORTATION**

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

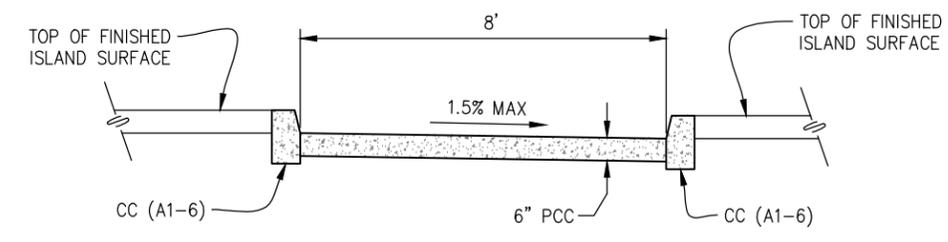
SHEET  
**C-17**  
36 OF 94  
W.O. No.  
**7614**

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

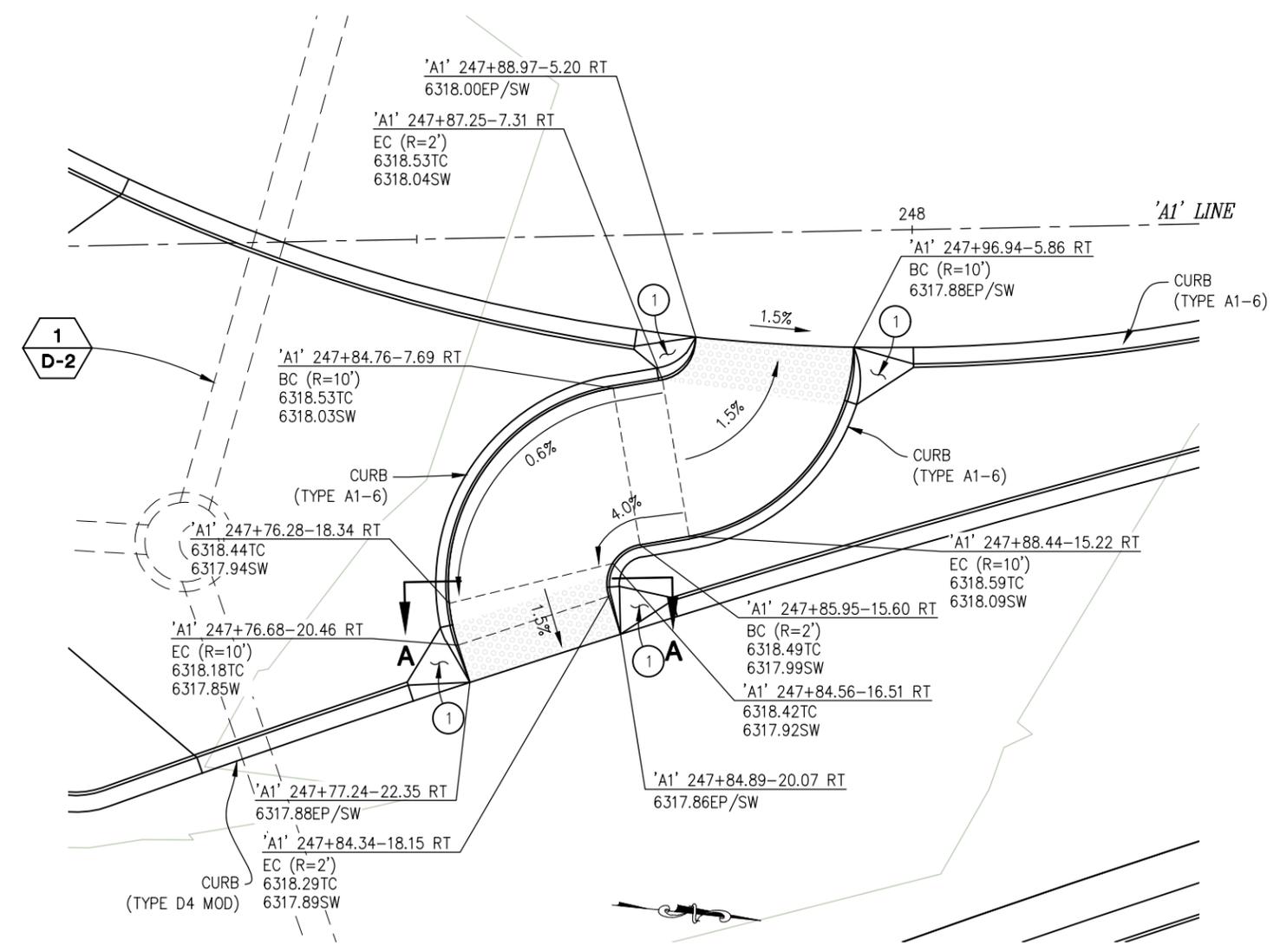
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**CONSTRUCTION NOTES:**

- 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

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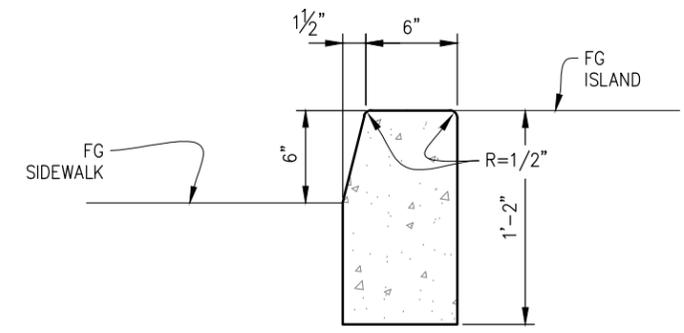
**COUNTY OF EL DORADO**  
**DEPARTMENT OF TRANSPORTATION**

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

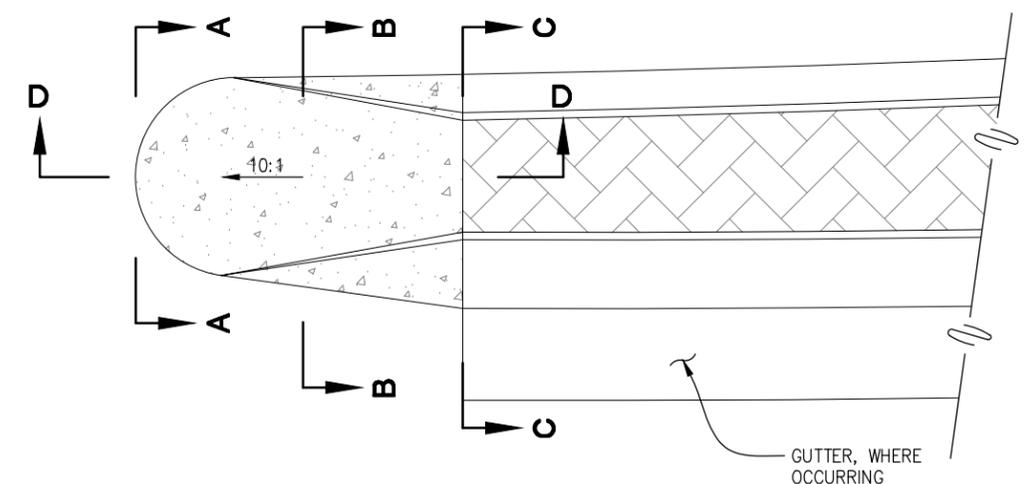
SHEET  
**C-18**  
37 OF 94  
W.O. No.  
**7614**

| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
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| 3    | ED     | 50    | 71.33-71.60              | 38        | 94           |

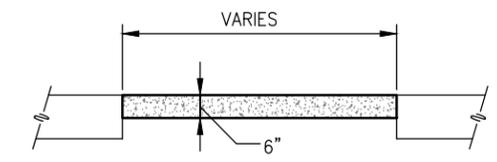
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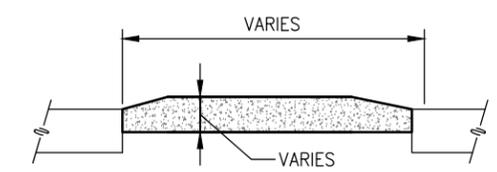
**CURB (TYPE A1-6)**  
NTS



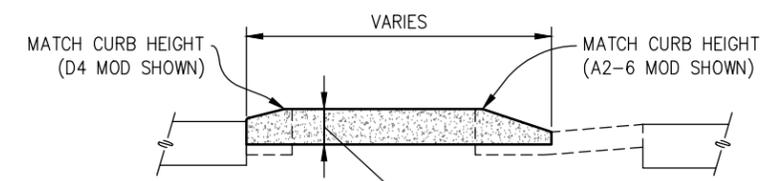
(APPROACH AND EXIT NOSE OF SPLITTER AND BYPASS ISLANDS)  
**ISLAND NOSE - CASE I**  
NTS



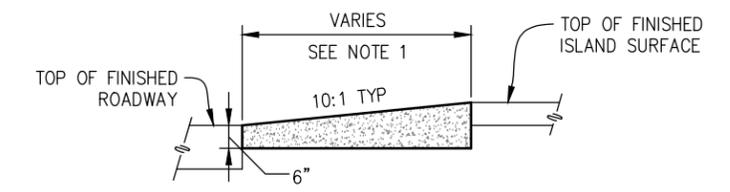
SECTION A-A



SECTION B-B

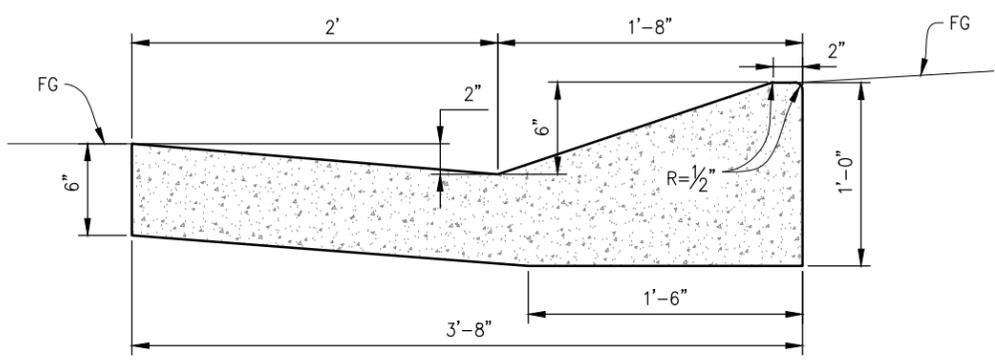


SECTION C-C

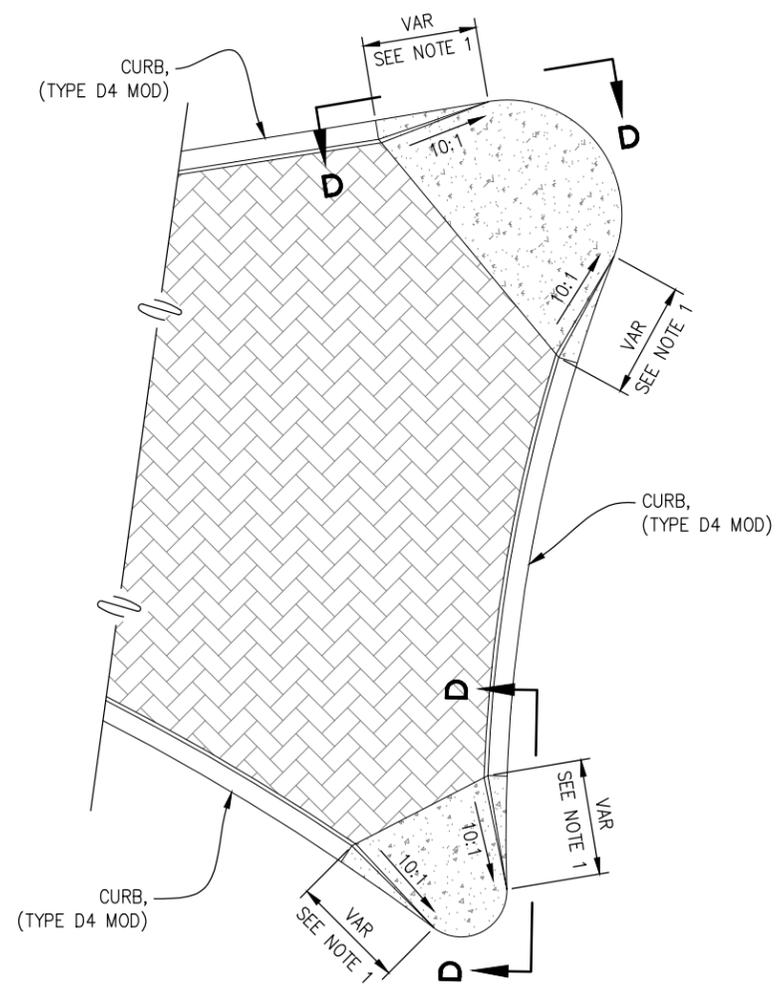


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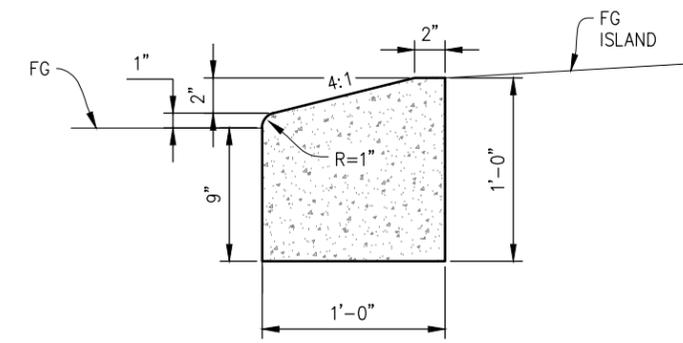
**ISLAND NOSE - SECTIONS**  
NTS



**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

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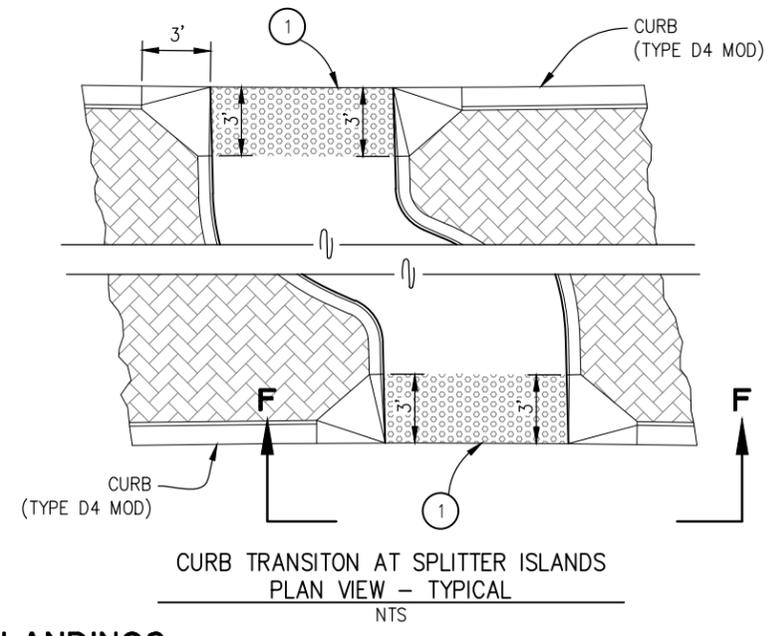
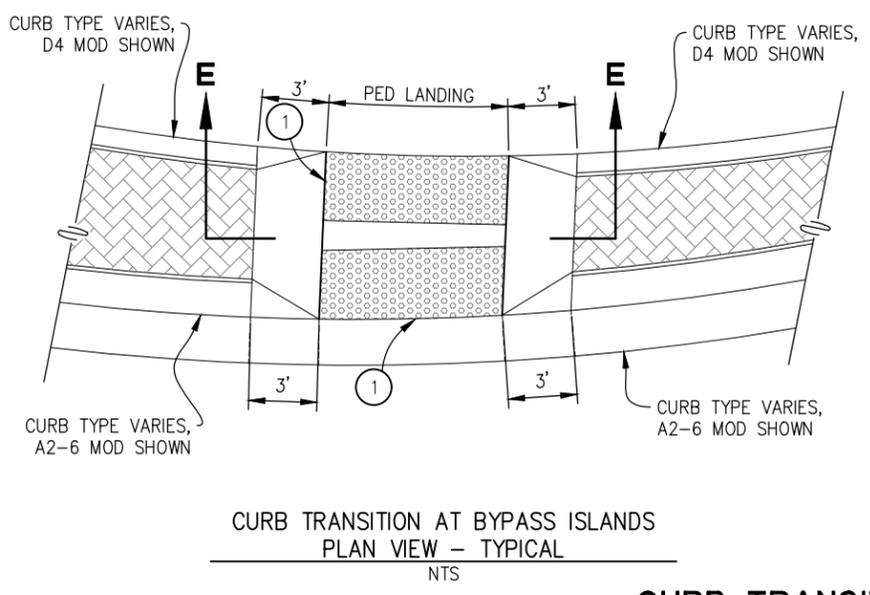
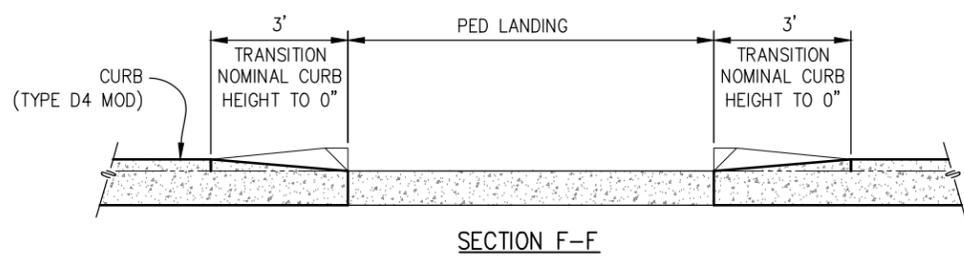
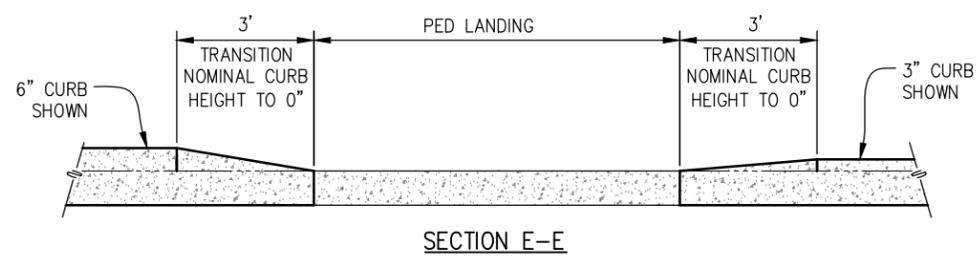
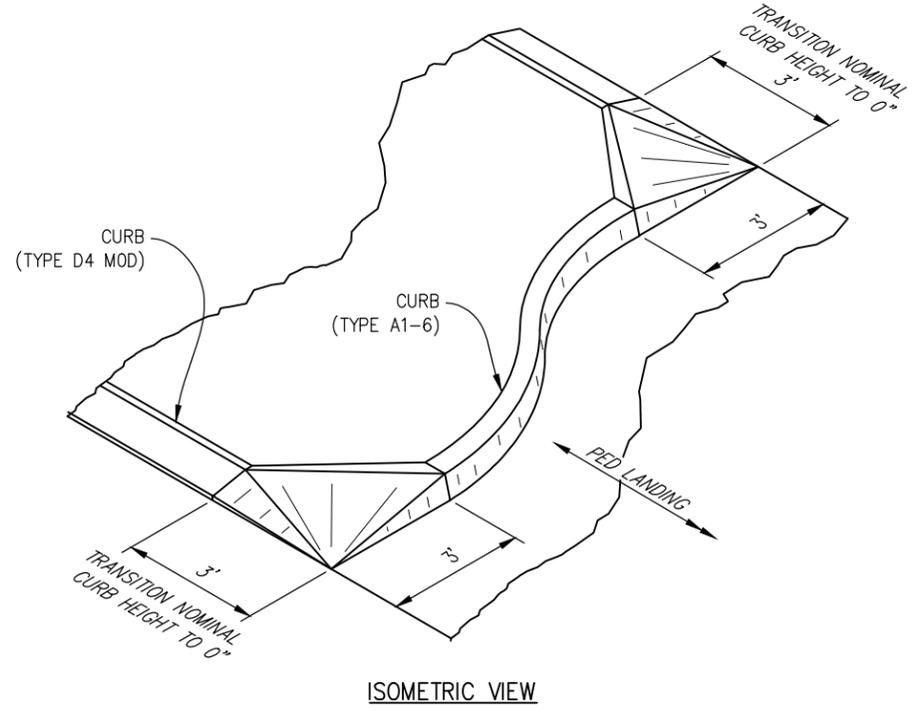
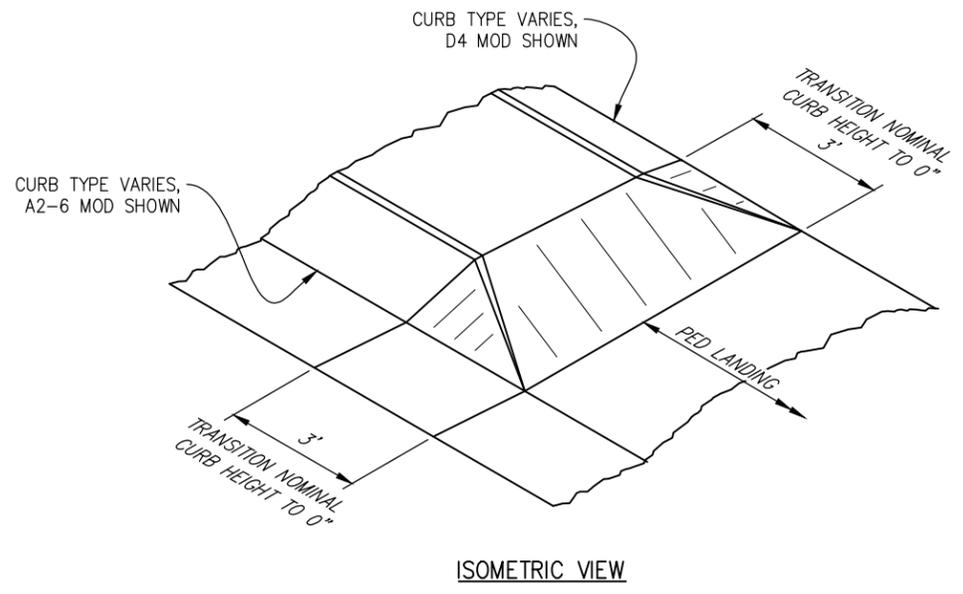
**COUNTY OF EL DORADO**  
**DEPARTMENT OF TRANSPORTATION**

**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

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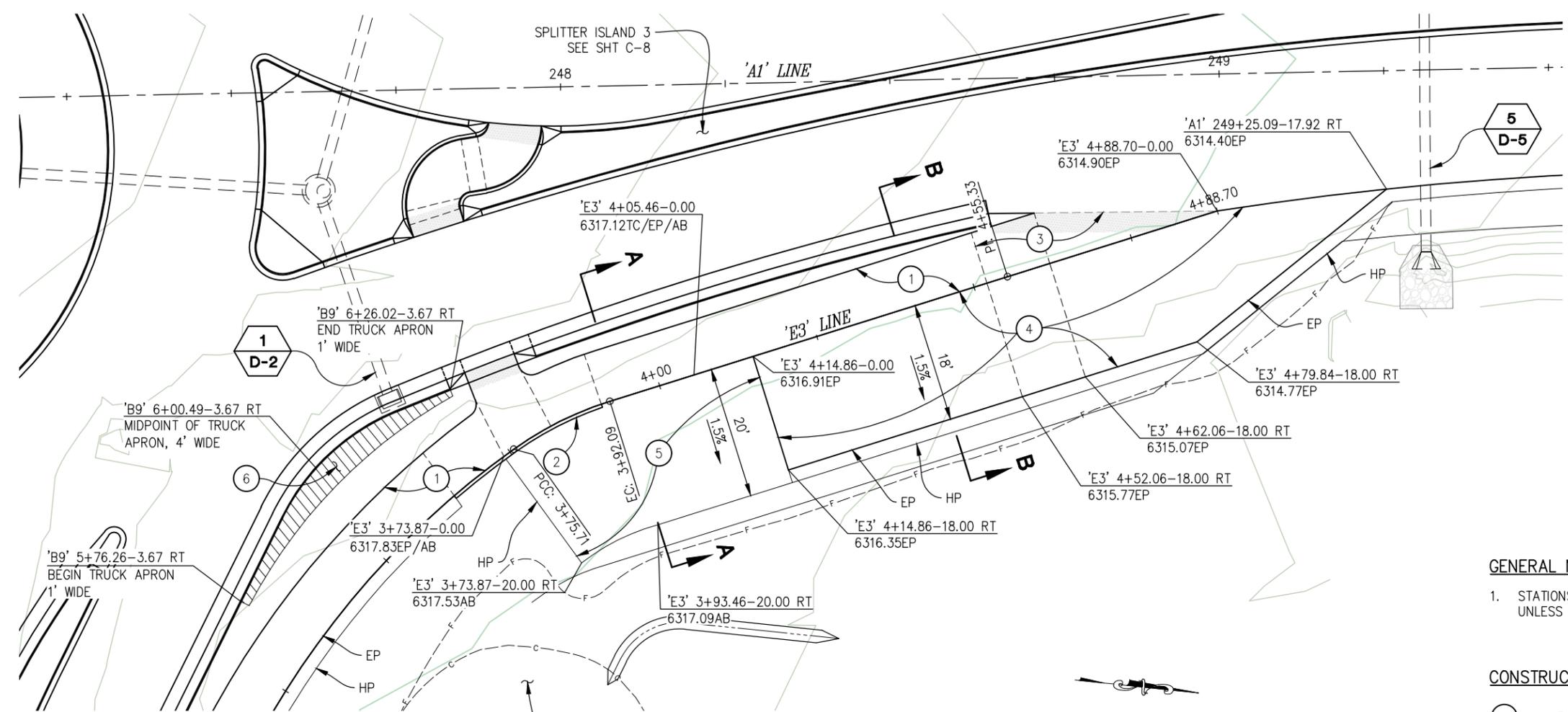
**COUNTY OF EL DORADO**  
**DEPARTMENT OF TRANSPORTATION**

**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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**MAINTENANCE VEHICLE PULLOUT AND TRUCK APRON**

16

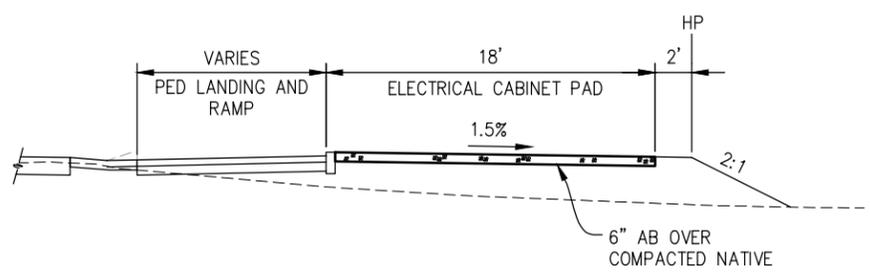
SCALE: 1"=10'

**GENERAL NOTES:**

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

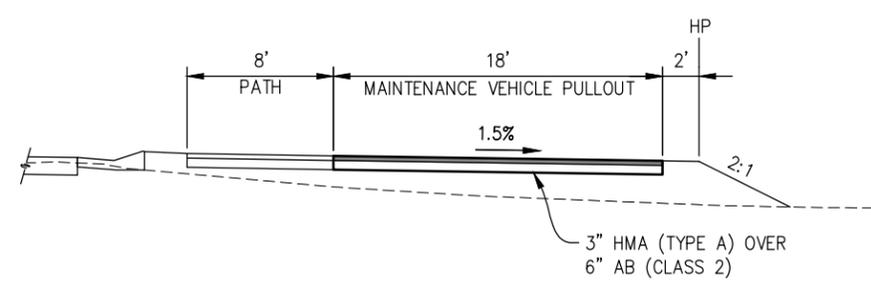
**CONSTRUCTION NOTES:**

- 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



**SECTION A-A**

NTS



**SECTION B-B**

NTS

**CONSTRUCTION DETAILS SCALE : AS SHOWN**

|       |                 |             |
|-------|-----------------|-------------|
| CU XX | EFIS 0317000163 | EA 03-2H610 |
|-------|-----------------|-------------|

ORIGINAL SCALE IS IN INCHES  
Drawing name: C:\Users\ksugiyama\Desktop\C-Sheets.dwg Layout Tab: C-21 Dec 29, 2023 - 2:50pm ksugiyama

FOR REDUCED PLANS

| 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**

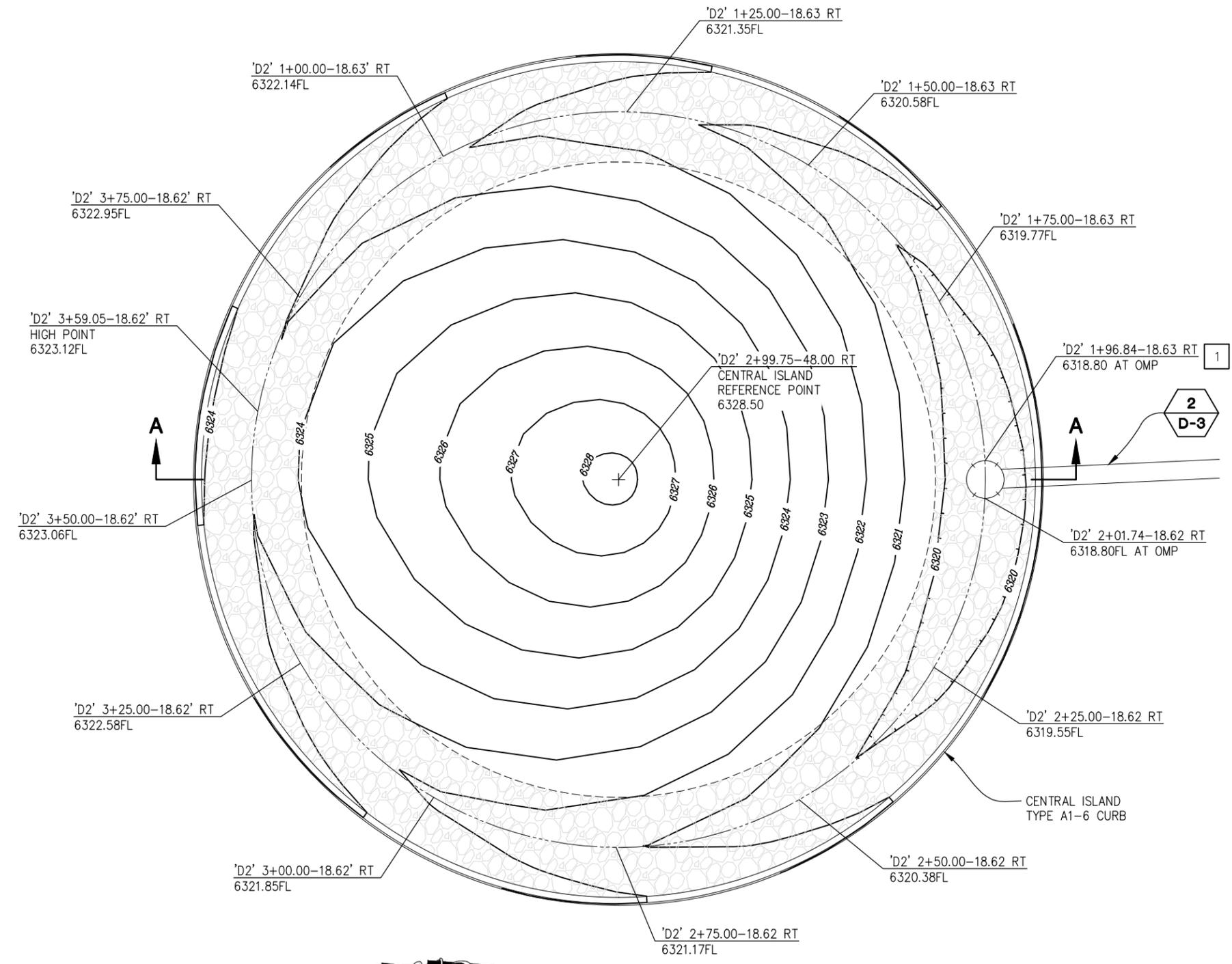
**PIONEER TRAIL/US HIGHWAY 50  
INTERSECTION SAFETY  
IMPROVEMENT PROJECT**

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

| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 3    | ED     | 50    | 71.33-71.60              | 41        | 94           |

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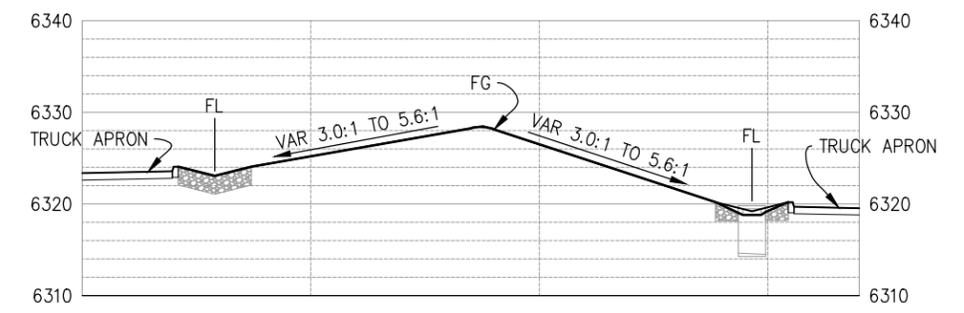
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Drawing name: Z:\Civil\_3D\Projects\36104026\Pioneer Roundabout\CADD\Files\Sheets\G-Sheets.dwg Layout Tab: G-1 Dec 29, 2023 - 7:41am ksudiyama



**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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*[Signature]*  
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DATE: **DECEMBER 29, 2023**

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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**

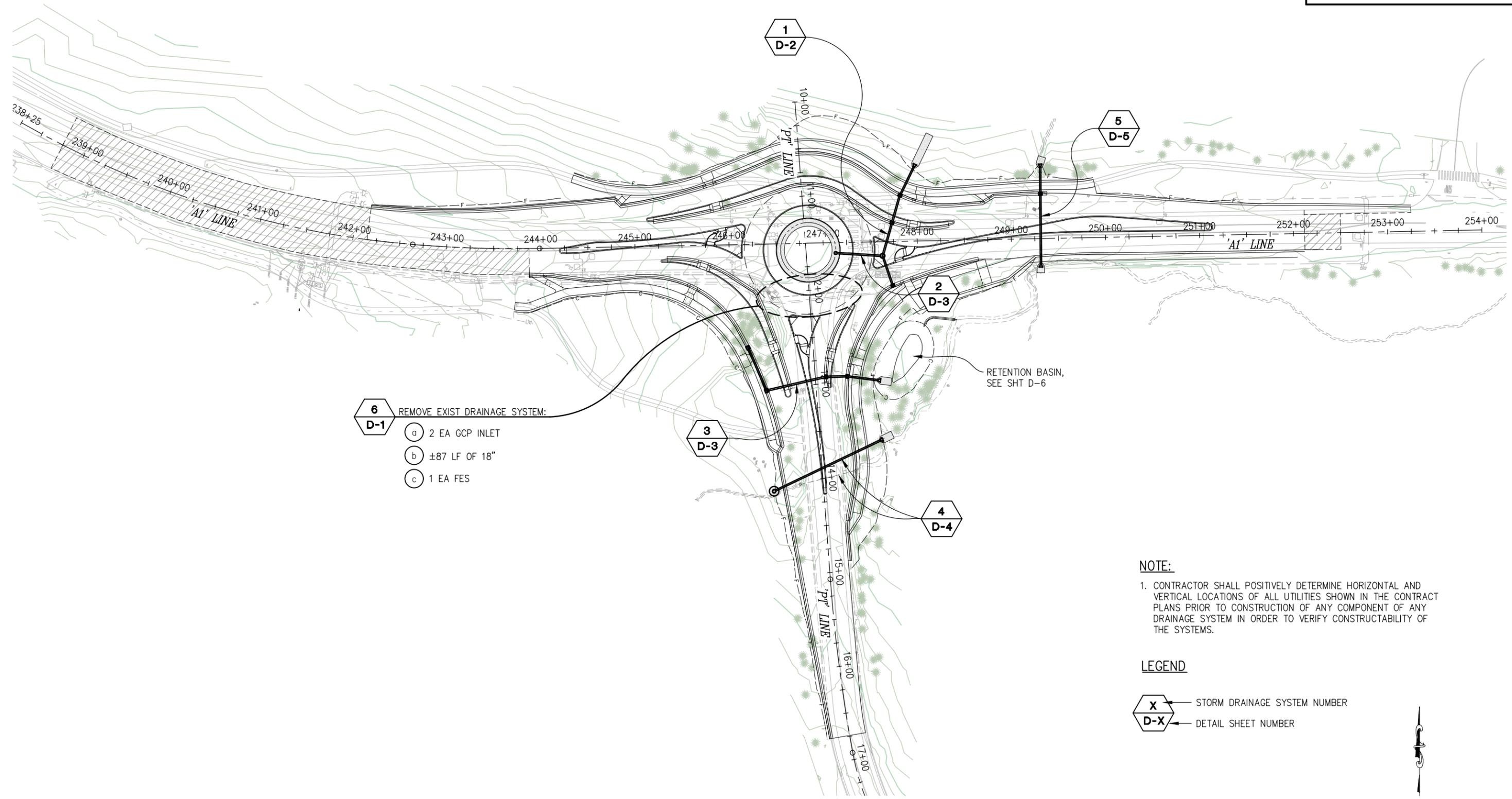
SHEET  
**G-1**  
41 OF 94  
W.O. No.  
**7614**

**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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 Drawing name: Z:\Civil\_3D\Projects\36104026\_Pioneer\_Roundabout\CADD\_Files\Sheets\D-Sheets.dwg Layout Tab: D-1 Dec 29, 2023 - 7:50am ksujiyama  
 FOR REDUCED PLANS  
 2  
 1  
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- 6**  
**D-1** REMOVE EXIST DRAINAGE SYSTEM:
- a 2 EA GCP INLET
  - b ±87 LF OF 18"
  - c 1 EA FES

**NOTE:**  
 1. 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.

**LEGEND**

**X** → STORM DRAINAGE SYSTEM NUMBER  
**D-X** → DETAIL SHEET NUMBER

**DRAINAGE KEY MAP**  
**SCALE : 1" = 50'**

THIS SHEET ACCURATE FOR DRAINAGE WORK ONLY

| REVISION | NUMBER | DATE | DESCRIPTION | BY |
|----------|--------|------|-------------|----|
|          |        |      |             |    |



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 DATE: **DECEMBER 29, 2023**

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 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**

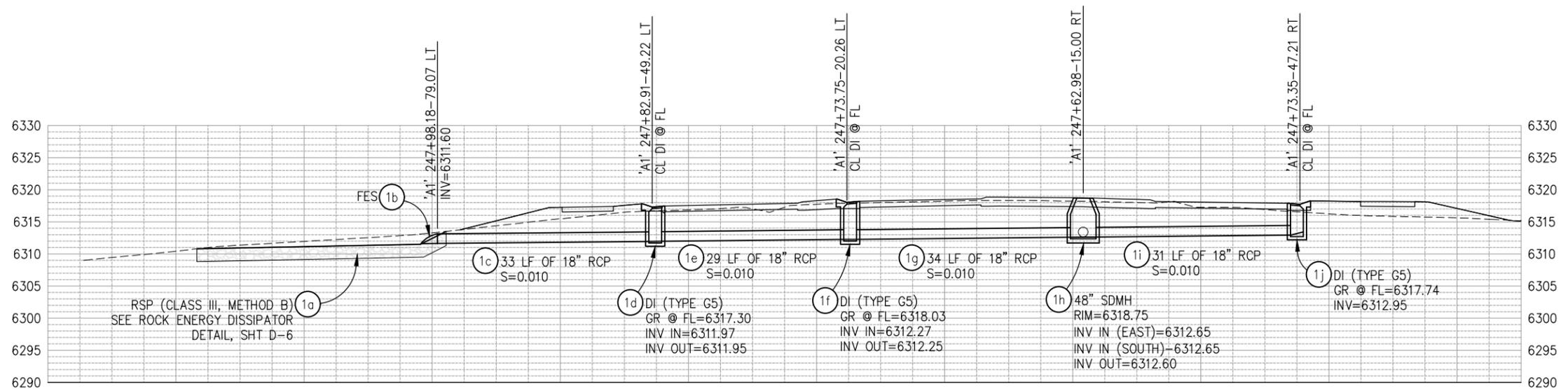
| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 3    | ED     | 50    | 71.33-71.60              | 43        | 94           |

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 FOR REDUCED PLANS  
 2  
 1  
 0



**SYSTEM 'SD1' - PLAN**  
 SCALE: 1"=10' H,V



**SYSTEM 'SD1' - PROFILE**  
 SCALE: 1"=10' H,V

THIS SHEET ACCURATE FOR DRAINAGE WORK ONLY

**DRAINAGE SCALE : AS SHOWN**

| REVISION | NUMBER | DATE | DESCRIPTION | BY |
|----------|--------|------|-------------|----|
|          |        |      |             |    |



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



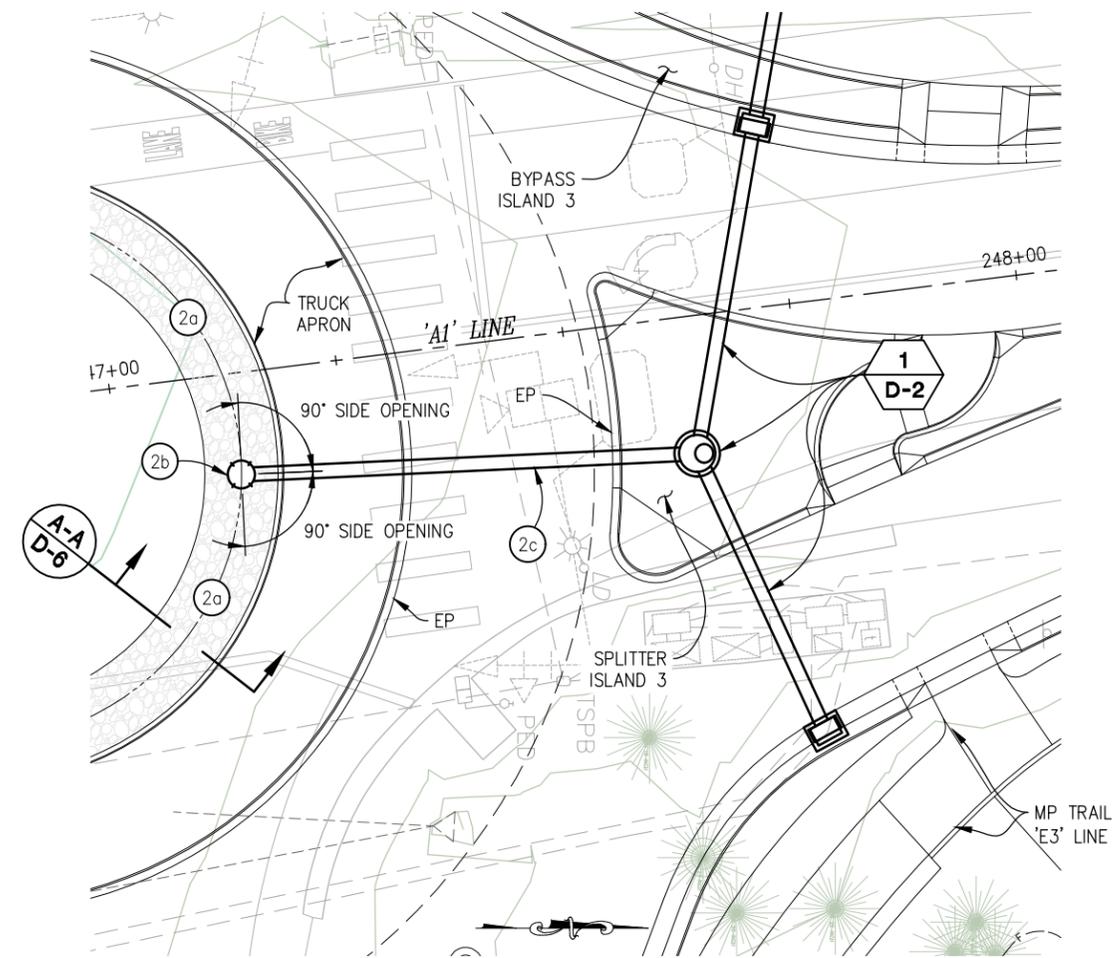
**COUNTY OF EL DORADO  
 DEPARTMENT OF TRANSPORTATION**

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

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

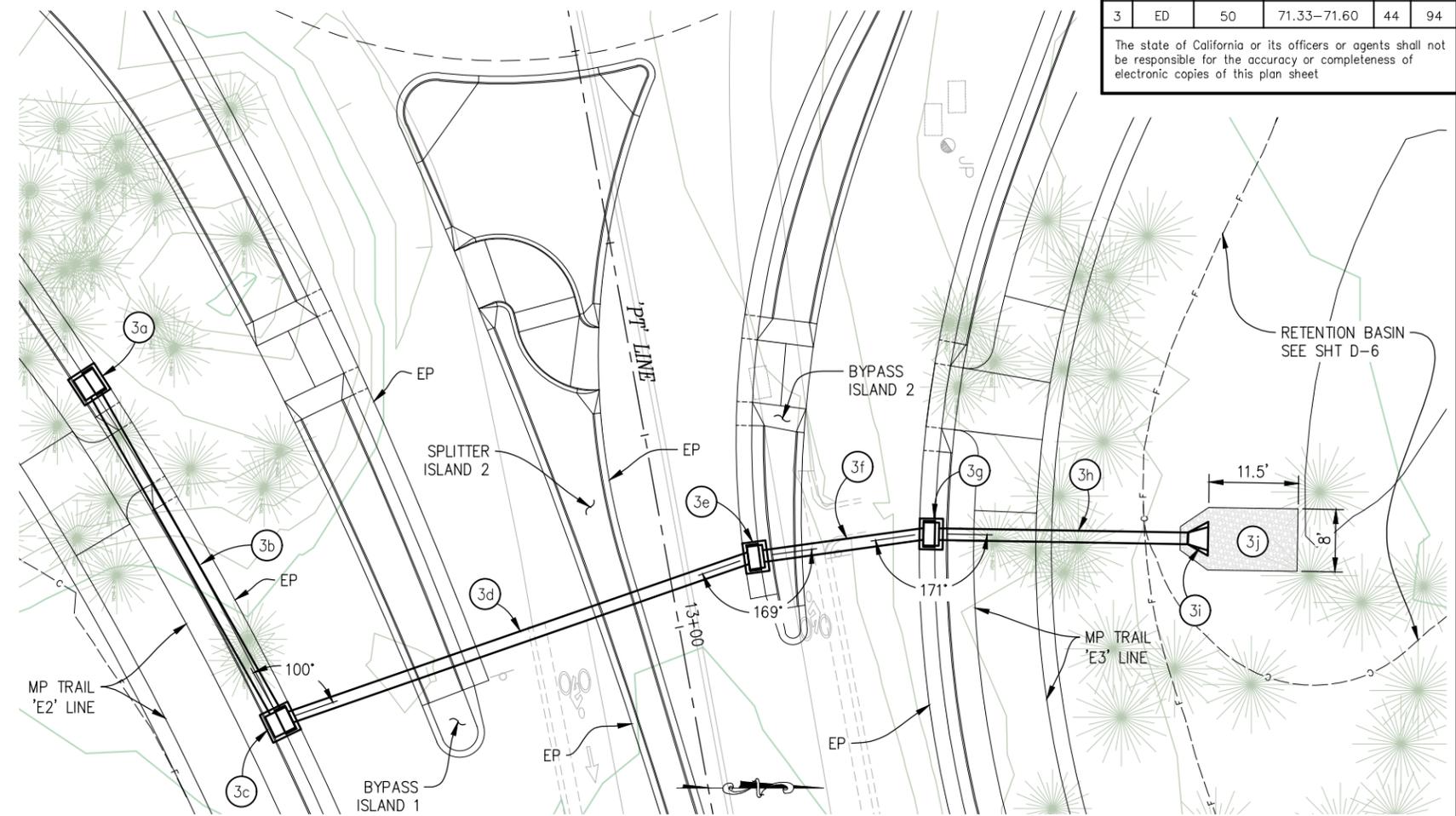
| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 3    | ED     | 50    | 71.33-71.60              | 44        | 94           |

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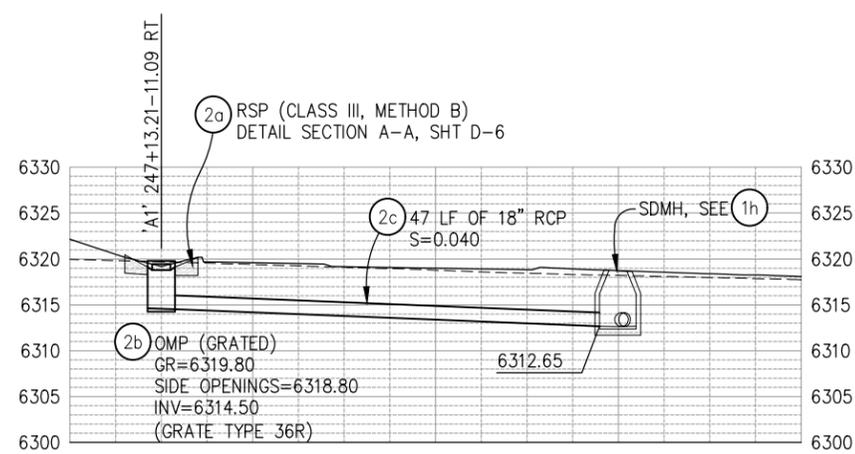
**SYSTEM 'SD2' - PLAN**

SCALE: 1"=10' H,V



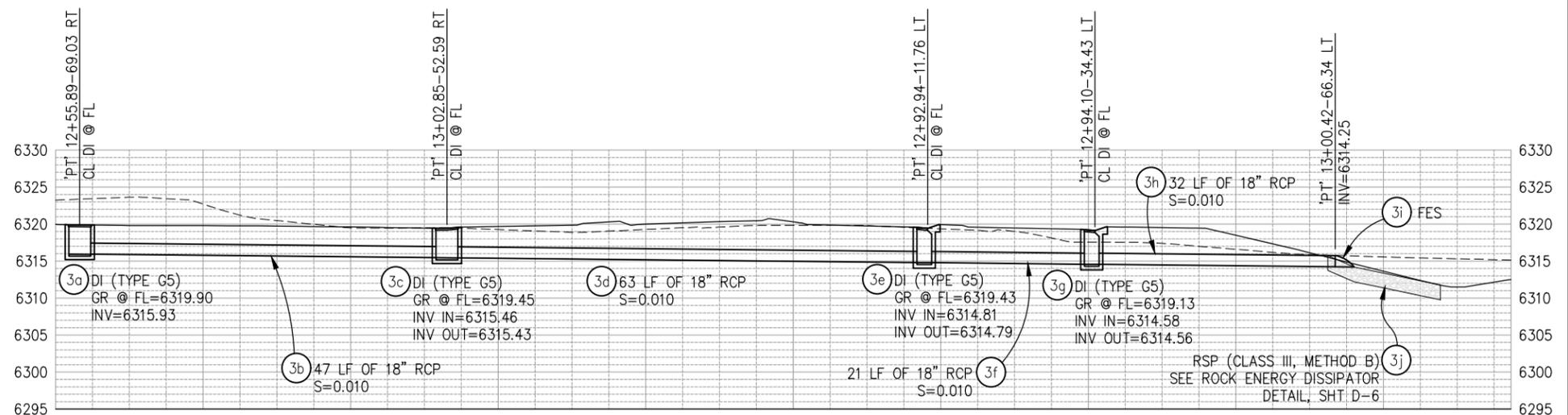
**SYSTEM 'SD3' - PLAN**

SCALE: 1"=10' H,V



**SYSTEM 'SD2' - PROFILE**

SCALE: 1"=10' H,V



**SYSTEM 'SD3' - PROFILE**

SCALE: 1"=10' H,V

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-3 Dec 29, 2023 - 7:53am ksuyama

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



**COUNTY OF EL DORADO  
DEPARTMENT OF TRANSPORTATION**

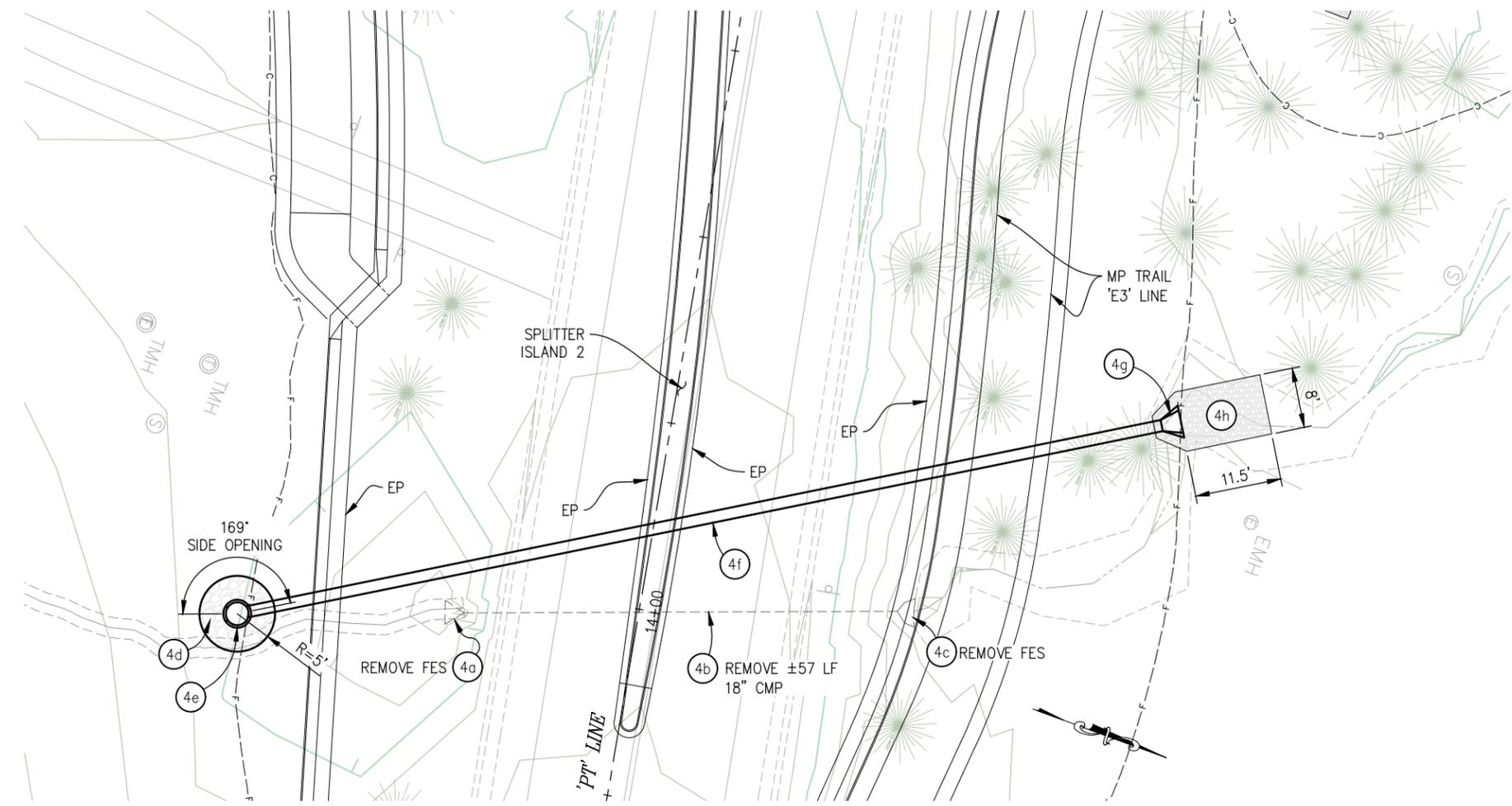
**PIONEER TRAIL/US HIGHWAY 50  
INTERSECTION SAFETY  
IMPROVEMENT PROJECT**

EFIS 0317000163 CU XX EA 03-2H610

SHEET  
**D-3**  
44 OF 94  
W.O. No.  
**7614**

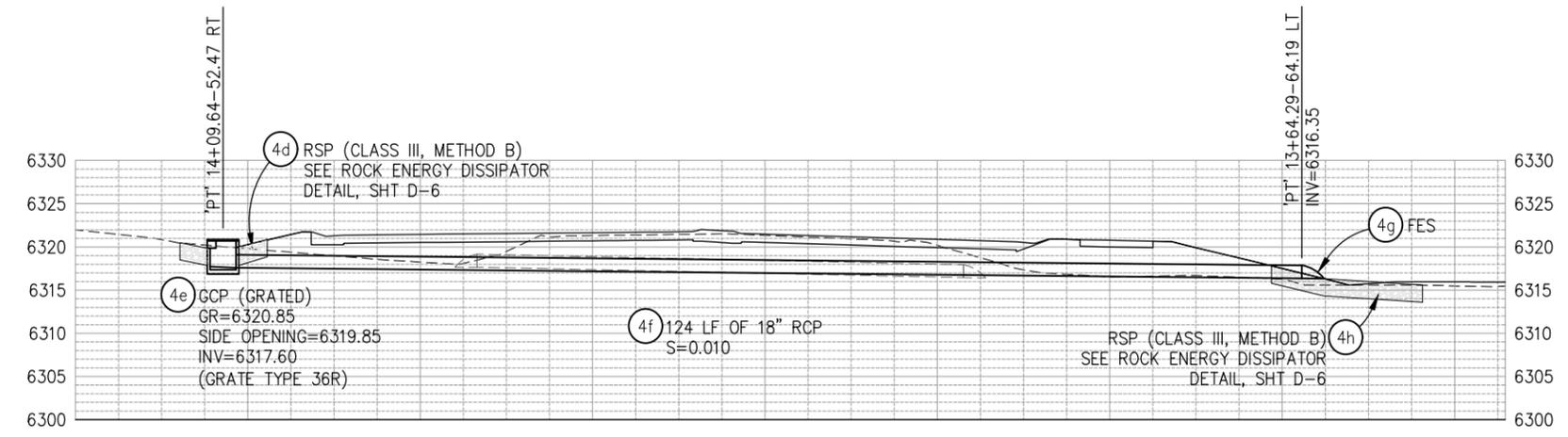
| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 3    | ED     | 50    | 71.33-71.60              | 45        | 94           |

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**SYSTEM 'SD4' - PLAN**

SCALE: 1"=10' H,V



**SYSTEM 'SD4' - PROFILE**

SCALE: 1"=10' H,V

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**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-4 Dec 29, 2023 - 7:55am ksujivama

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|          |        |      |             |    |



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

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DATE: 10/05/23  
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**COUNTY OF EL DORADO  
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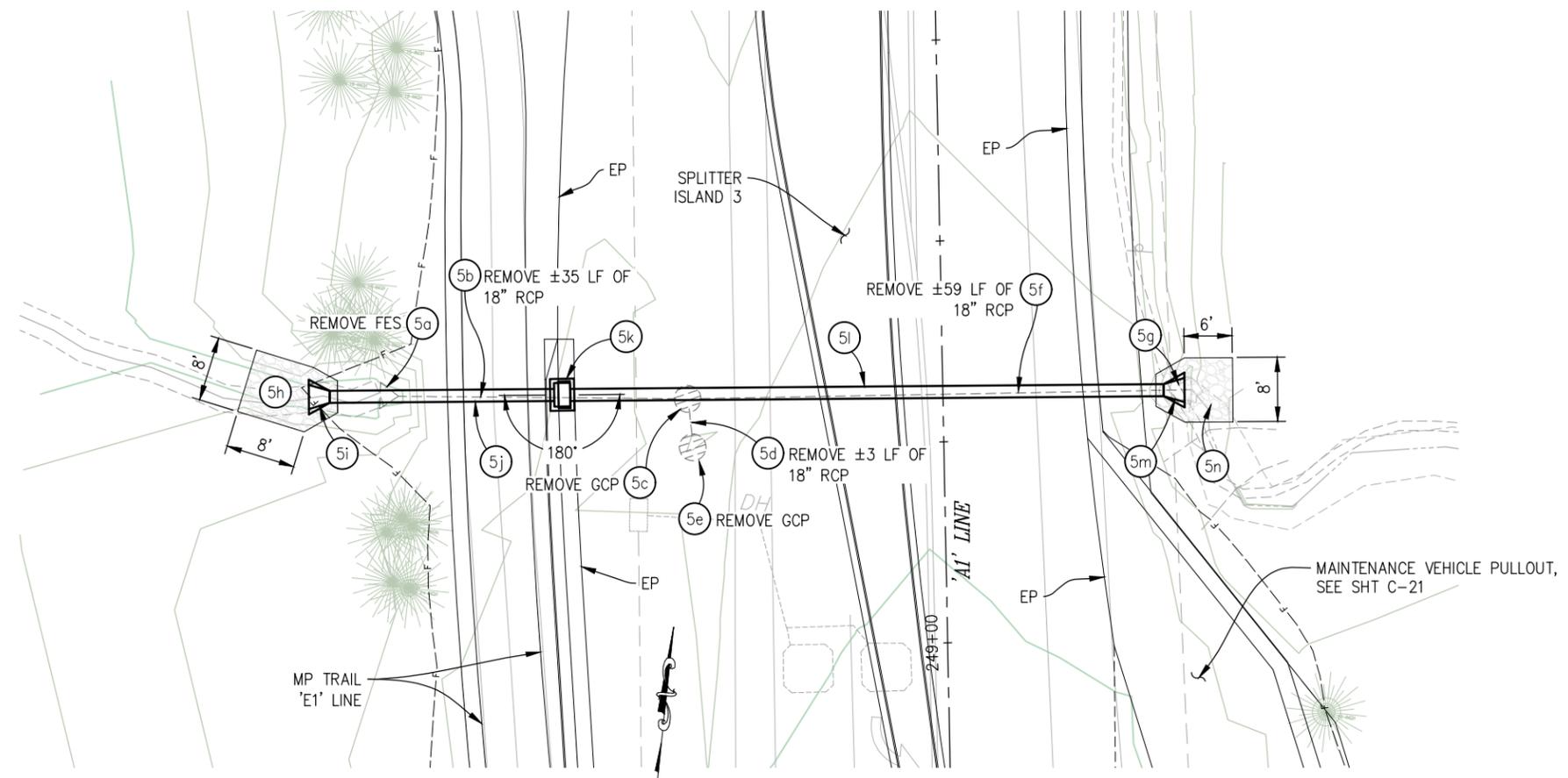
**PIONEER TRAIL/US HIGHWAY 50  
INTERSECTION SAFETY  
IMPROVEMENT PROJECT**

SHEET  
**D-4**  
45 OF 94  
W.O. No.  
**7614**

EFIS 0317000163 CU XX EA 03-2H610

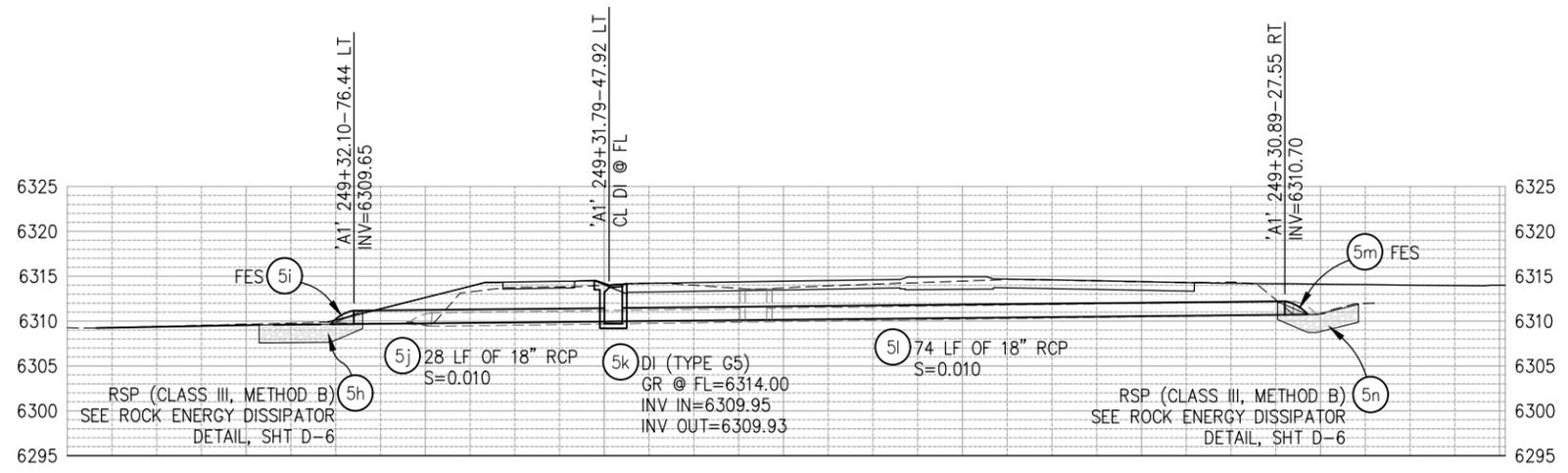
| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 3    | ED     | 50    | 71.33-71.60              | 46        | 94           |

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**SYSTEM 'SD5' - PLAN**

SCALE: 1"=10' H,V



**SYSTEM 'SD5' - PROFILE**

SCALE: 1"=10' H,V

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-5 Dec 29, 2023 - 7:56am ksujivama

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



**COUNTY OF EL DORADO  
DEPARTMENT OF TRANSPORTATION**

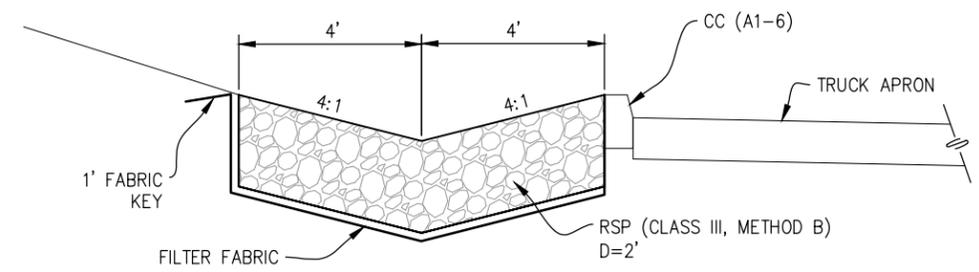
**PIONEER TRAIL/US HIGHWAY 50  
INTERSECTION SAFETY  
IMPROVEMENT PROJECT**

EFIS 0317000163 CU XX EA 03-2H610

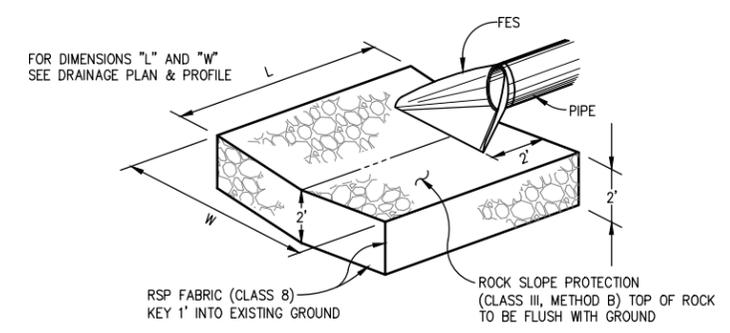
SHEET  
**D-5**  
46 OF 94  
W.O. No.  
**7614**

| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 3    | ED     | 50    | 71.33-71.60              | 47        | 94           |

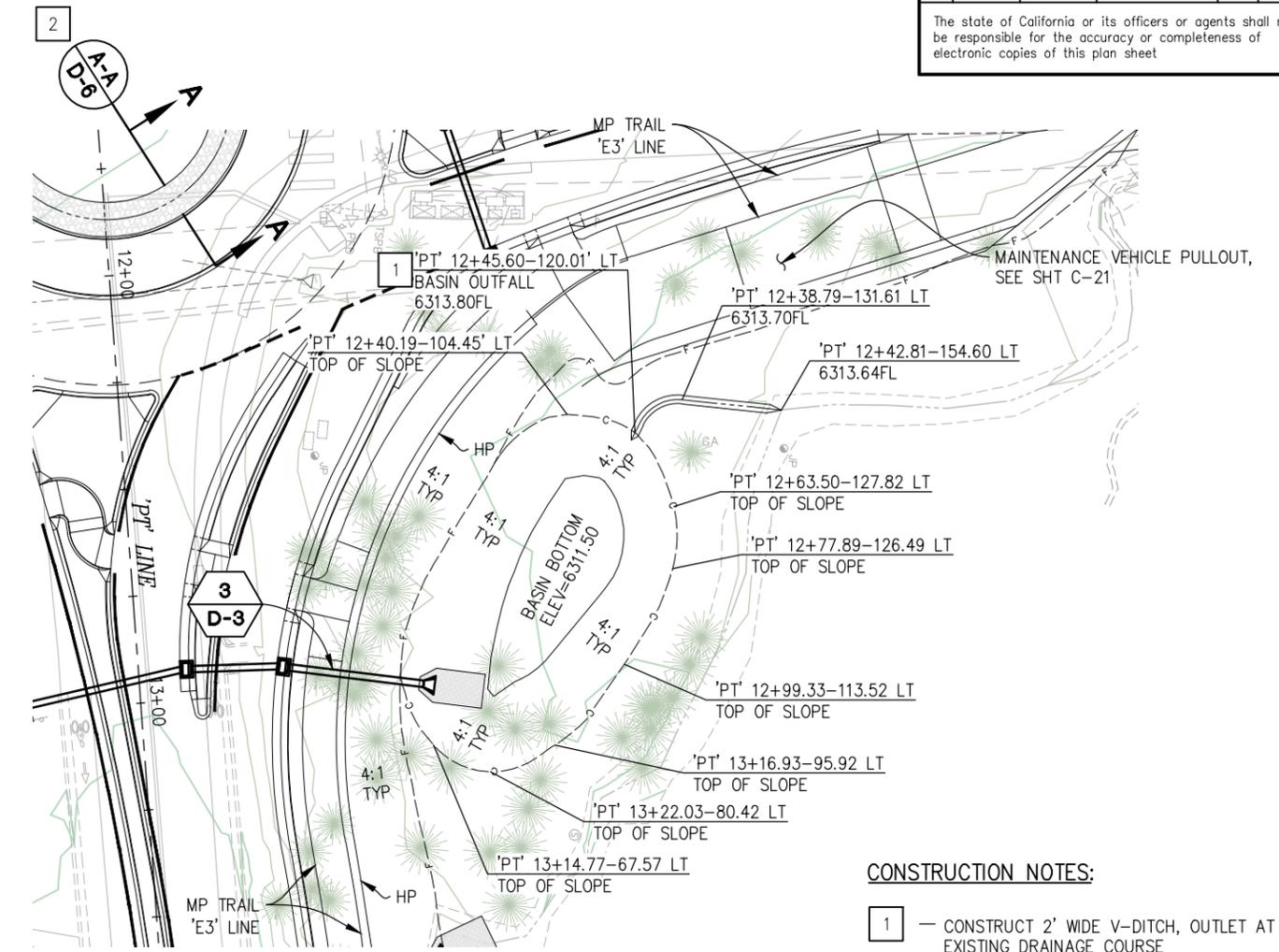
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**SECTION A-A  
(CENTRAL ISLAND V-DITCH)**  
NTS

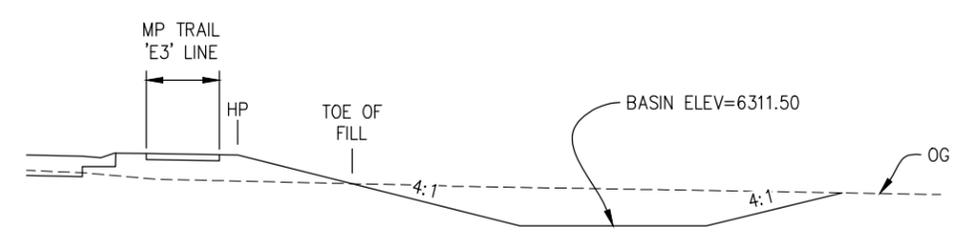


**ROCK ENERGY DISSIPATOR**  
NTS



**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  
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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  
**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 Dec 29, 2023 - 7:59am ksugiyama  
 FOR REDUCED PLANS  
 REVISION

| 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 GCP [N] | REMOVE FES [N] | 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                     | 22                   | 63                 |                    |                |                |                         |                         | '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                                |                               |                               | 3.97              |              |                  |                       |                      |                    |                    |                |                |                         | '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              |              | 21               |                       |                      |                    |                    |                |                |                         |                         | 'PT' 12+92.94-11.76 LT  | e                   |                         |   |
|                         |                     | f             |                                |                                  |                               |                               |                   |              | 4.57             |                       |                      |                    |                    |                |                |                         |                         | S=0.010                 |                     | f                       |   |
|                         |                     | g             |                                | 1                                |                               |                               |                   |              |                  |                       |                      |                    |                    |                |                |                         |                         | '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             |                                |                                  |                               |                               |                   |              |                  |                       |                      |                    |                    |                | 1              |                         |                         | b                       |                     |                         |   |
|                         |                     | c             |                                |                                  |                               |                               |                   |              |                  |                       |                      |                    |                    |                |                |                         |                         | c                       |                     |                         |   |
|                         |                     | d             |                                |                                  |                               |                               |                   |              |                  | 5                     | 18                   |                    |                    |                |                |                         |                         | d                       |                     |                         |   |
|                         |                     | e             |                                |                                  | 1                             |                               | 1                 |              |                  |                       |                      |                    |                    |                |                |                         | S=0.010                 | 'PT' 14+09.64-52.47 RT  | e                   |                         |   |
|                         |                     | f             |                                |                                  |                               |                               |                   |              | 124              |                       |                      |                    |                    |                |                |                         |                         | 'PT' 13+64.29-64.19 LT  | f                   |                         |   |
|                         |                     | g             |                                |                                  |                               |                               |                   |              |                  | 1                     | 8                    | 27                 |                    |                |                |                         |                         | g                       |                     |                         |   |
| D-5                     | 5                   | h             |                                |                                  |                               |                               |                   |              |                  |                       |                      |                    |                    |                |                |                         |                         | h                       |                     |                         |   |
|                         |                     | a             |                                |                                  |                               |                               |                   |              |                  |                       |                      |                    |                    |                | 1              |                         |                         | a                       |                     |                         |   |
|                         |                     | b             |                                |                                  |                               |                               |                   |              |                  |                       |                      |                    |                    |                |                |                         |                         | b                       |                     |                         |   |
|                         |                     | c             |                                |                                  |                               |                               |                   |              |                  |                       |                      |                    |                    |                | 1              |                         |                         | c                       |                     |                         |   |
|                         |                     | d             |                                |                                  |                               |                               |                   |              |                  |                       |                      |                    |                    |                |                | 3                       |                         | d                       |                     |                         |   |
|                         |                     | e             |                                |                                  |                               |                               |                   |              |                  |                       |                      |                    |                    |                |                |                         |                         | e                       |                     |                         |   |
|                         |                     | f             |                                |                                  |                               |                               |                   |              |                  |                       |                      |                    |                    |                |                | 59                      |                         | 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                                |                               |                               |                   | 1            |                  |                       |                      |                    |                    |                |                |                         |                         | '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                             |                   | 563          | 5                | 163                   | 407                  | 57                 | 184                | 4              | 5              |                         |                         |                         |                     |                         |   |

| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 3    | ED     | 50    | 71.33-71.60              | 48        | 94           |

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

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DRAINAGE QUANTITIES SCALE : NONE

EFIS 0317000163 CU XX EA 03-2H610

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 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

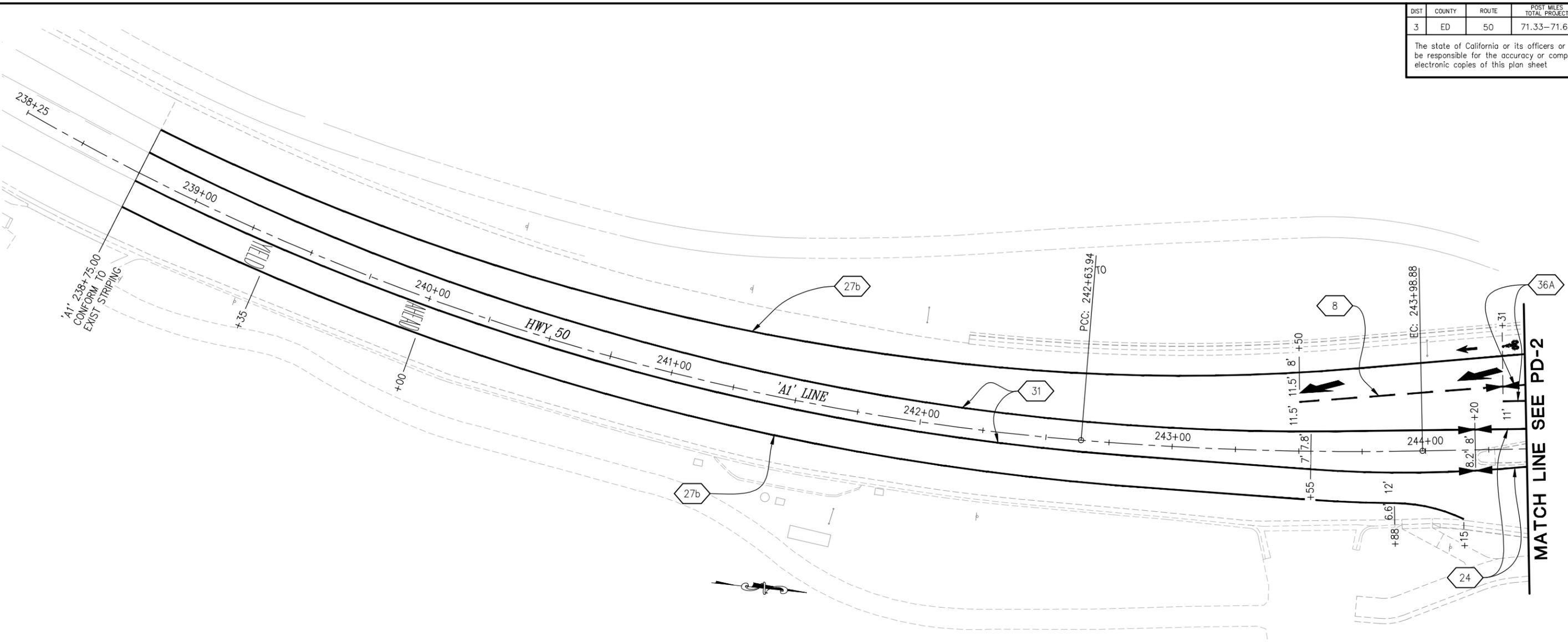
PIONEER TRAIL/US HIGHWAY 50  
 INTERSECTION SAFETY  
 IMPROVEMENT PROJECT

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

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

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**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**

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

THIS SHEET ACCURATE FOR PAVEMENT DELINEATION WORK ONLY

**PAVEMENT DELINEATION SCALE : 1" = 20'**

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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**

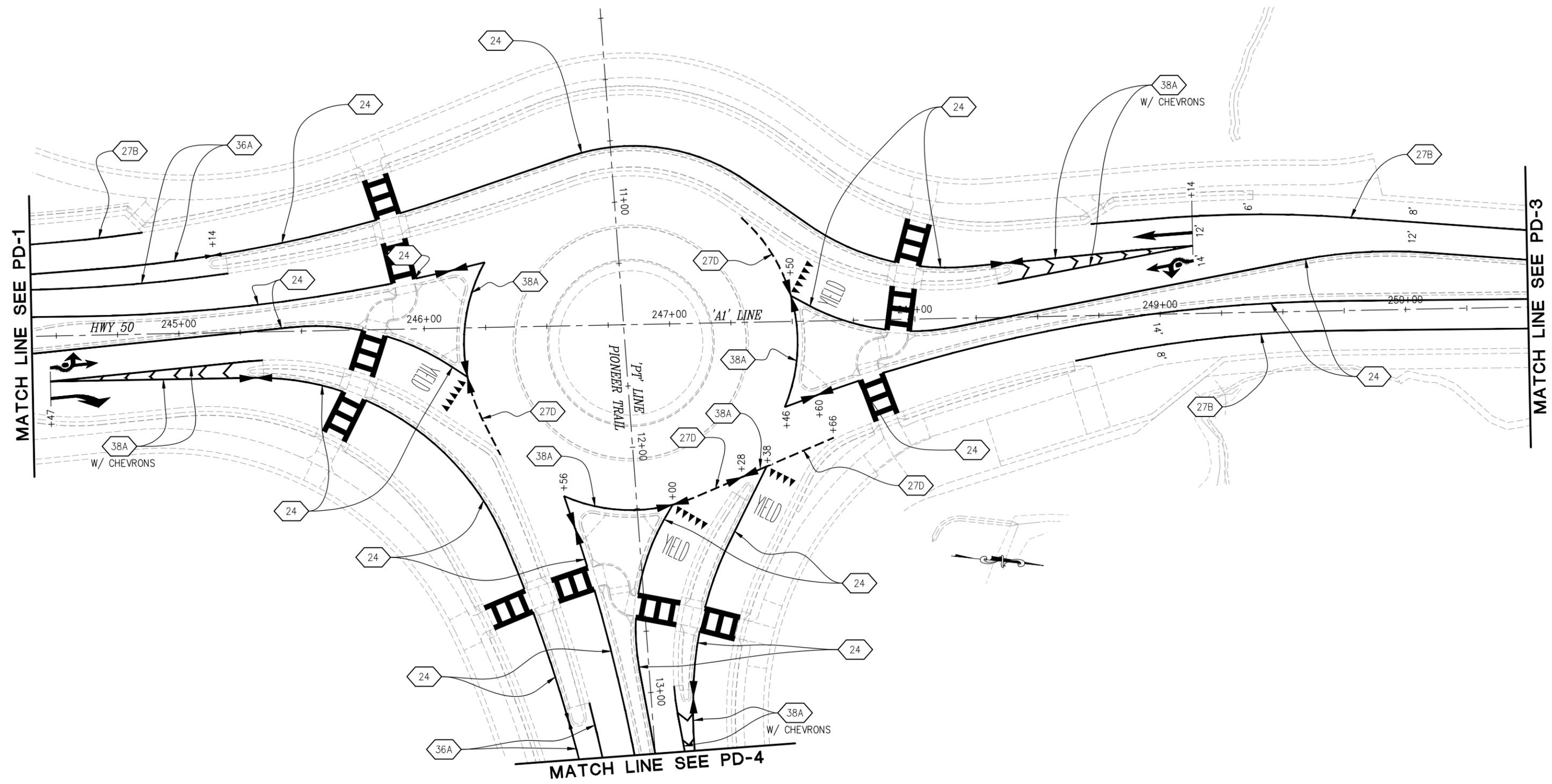
SHEET **PD-1**  
49 OF 94  
W.O. No. **7614**

|       |                 |             |
|-------|-----------------|-------------|
| CU XX | EFIS 0317000163 | EA 03-2H610 |
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| DIST. | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
|-------|--------|-------|--------------------------|-----------|--------------|
| 3     | ED     | 50    | 71.33-71.60              | 50        | 94           |

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PAVEMENT DELINEATION  
SCALE : 1" = 20'

|       |                 |             |
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|-------|-----------------|-------------|

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|----------|--------|------|-------------|----|
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 DATE: **DECEMBER 29, 2023**

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



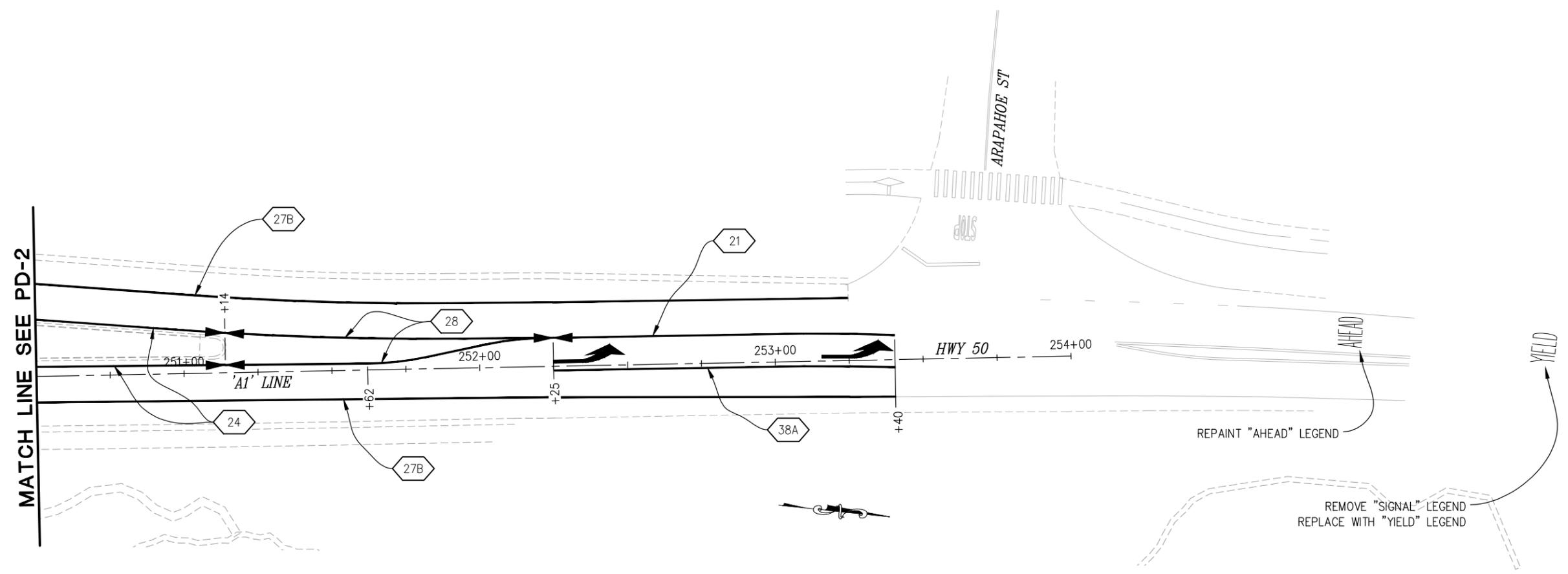
COUNTY OF EL DORADO  
DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50  
INTERSECTION SAFETY  
IMPROVEMENT PROJECT

SHEET  
**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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PAVEMENT DELINEATION  
SCALE : 1" = 20'

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COUNTY OF EL DORADO  
DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50  
INTERSECTION SAFETY  
IMPROVEMENT PROJECT

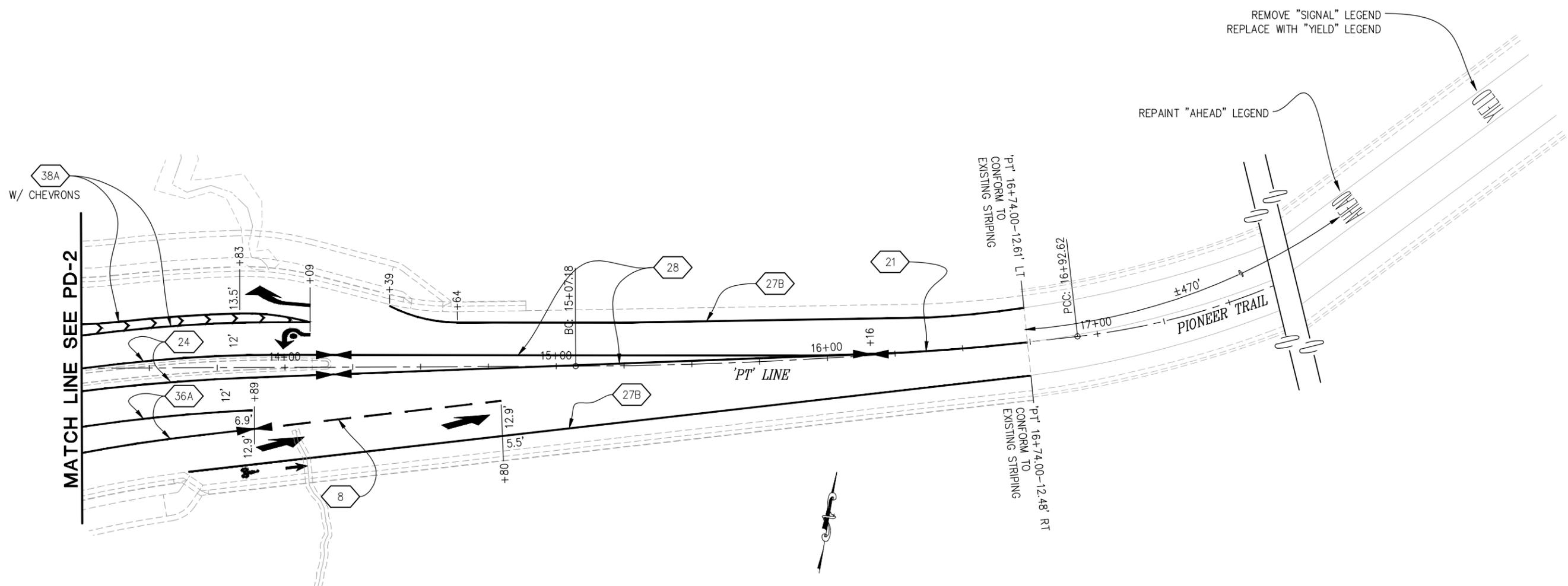
CU XX EFIS 0317000163 EA 03-2H610

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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PAVEMENT DELINEATION  
SCALE : 1" = 20'

|       |                 |             |
|-------|-----------------|-------------|
| CU XX | EFIS 0317000163 | EA 03-2H610 |
|-------|-----------------|-------------|

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COUNTY OF EL DORADO  
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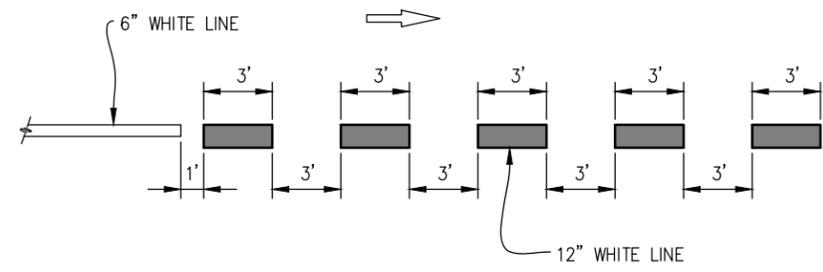
PIONEER TRAIL/US HIGHWAY 50  
INTERSECTION SAFETY  
IMPROVEMENT PROJECT

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

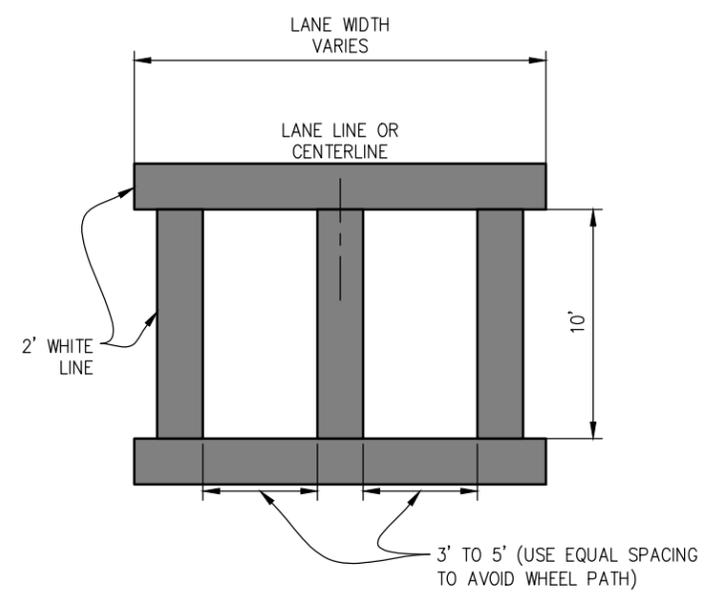
| DIST. | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
|-------|--------|-------|--------------------------|-----------|--------------|
| 3     | ED     | 50    | 71.33-71.60              | 53        | 94           |

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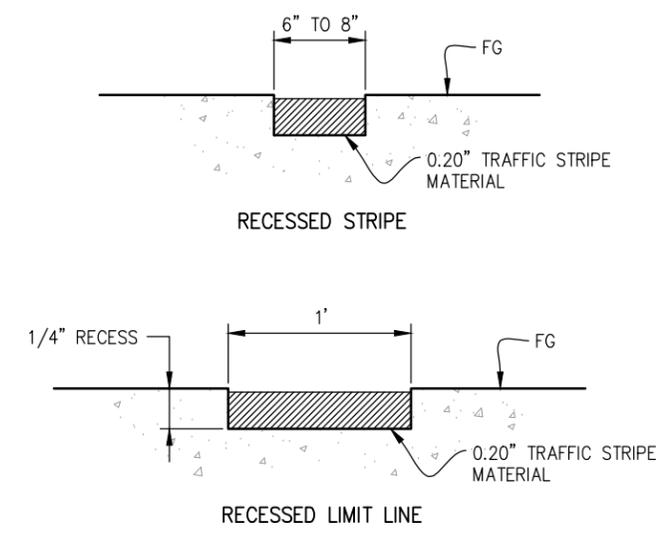
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**STRIPING DETAIL 27D**  
NTS



**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 |
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DATE: 10/05/23  
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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.                         | FROM           | TO             | EXTRUDED THERMOPLASTIC (RECESSED) |           | PAVEMENT MARKER (RECESSED RETROREFLECTIVE) |        |                                      | REMARKS                              |
|   |                |                | WHITE FT                          | YELLOW FT | TYPE D                                     | TYPE G | TYPE RY                              |                                      |
|   |                |                |                                   |           | EA   | EA     | EA                                   |                                      |
| DETAIL 8                                  | 'A1' 243+50 LT | 'A1' 244+31 LT | 81                                |           |  |        |                                      |                                      |
|   | 'PT' 13+89 RT  | 'PT' 14+80 RT  | 92                                |           |  |        |                                      |                                      |
| DETAIL 21                                 | 'A1' 252+25 LT | 'A1' 253+40 LT |                                   | 116       |  |        |                                      |                                      |
|   | 'PT' 16+16     | 'PT' 16+74     |                                   | 58        |  |        |                                      |                                      |
| DETAIL 24                                 | 'A1' 244+20 LT | 'A1' 246+12 LT |                                   | 183       |  |        |                                      |                                      |
|   | 'A1' 244+20 RT | 'A1' 246+17 RT |                                   | 193       |  |        |                                      |                                      |
|   | 'A1' 245+31 RT | 'PT' 13+09 RT  |                                   | 188       |  |        |                                      |                                      |
|   | 'A1' 245+38 LT | 'A1' 248+38 LT |                                   | 328       |  |        |                                      |                                      |
|   | 'A1' 247+50 LT | 'A1' 251+14 LT |                                   | 360       |  |        |                                      |                                      |
|   | 'A1' 247+60 RT | 'A1' 251+14 RT |                                   | 348       |  |        |                                      |                                      |
|   | 'A1' 247+00 RT | 'PT' 14+18 LT  |                                   | 188       |  |        |                                      |                                      |
|   | 'PT' 12+31 RT  | 'PT' 14+18 RT  |                                   | 179       |  |        |                                      |                                      |
|   | 'A1' 247+38 RT | 'PT' 13+03 LT  |                                   | 90        |  |        |                                      |                                      |
| DETAIL 27B                                | 'A1' 238+75 LT | 'A1' 244+85 LT | 600                               |           |  |        |                                      |                                      |
|   | 'A1' 248+72 LT | 'A1' 253+25 LT | 454                               |           |  |        |                                      |                                      |
|   | 'A1' 238+75 RT | 'A1' 244+51 RT | 549                               |           |  |        |                                      |                                      |
|   | 'A1' 248+65 RT | 'A1' 253+40 RT | 461                               |           |  |        |                                      |                                      |
|   | 'PT' 14+39 LT  | 'PT' 16+74 LT  | 235                               |           |  |        |                                      |                                      |
|   | 'PT' 13+64 RT  | 'PT' 16+74 RT  | 313                               |           |  |        |                                      |                                      |
| DETAIL 27D                                | 'A1' 246+18 RT | 'A1' 246+30 RT | 35                                |           |  |        |                                      |                                      |
|   | 'A1' 247+00 RT | 'A1' 247+28 RT | 30                                |           |  |        |                                      |                                      |
|   | 'A1' 247+38 RT | 'A1' 247+66 RT | 30                                |           |  |        |                                      |                                      |
|   | 'A1' 247+30 LT | 'A1' 247+49 LT | 38                                |           |  |        |                                      |                                      |
| DETAIL 28                                 | 'A1' 251+14 LT | 'A1' 252+25 LT |                                   | 442       |  |        |                                      |                                      |
|   | 'PT' 14+18     | 'PT' 16+16     |                                   | 792       |  |        |                                      |                                      |
| DETAIL 31                                 | 'A1' 238+75    | 'A1' 244+20    |                                   | 2176      |  |        |                                      |                                      |
| DETAIL 36A                                | 'PT' 13+02 RT  | 'PT' 13+89 RT  | 167                               |           |  |        |                                      |                                      |
|   | 'A1' 244+31 LT | 'A1' 245+20 LT | 174                               |           |  |        |                                      |                                      |
| DETAIL 38A                                | 'A1' 244+47 RT | 'A1' 245+34 RT | 171                               |           |  |        |                                      |                                      |
|   | 'A1' 248+34 LT | 'A1' 249+14 LT | 157                               |           |  |        |                                      |                                      |
|   | 'PT' 13+00 LT  | 'PT' 14+09 LT  | 219                               |           |  |        |                                      |                                      |
|   | 'A1' 252+25 RT | 'A1' 253+40 RT | 116                               |           |  |        |                                      |                                      |
|   |                |                | 62                                |           |  |        |                                      | SPLITTER ISLAND 1 NOSE AT ROUNDABOUT |
|   |                |                | 60                                |           |  |        |                                      | SPLITTER ISLAND 2 NOSE AT ROUNDABOUT |
|   |                | 61             |                                   |           |  |        | SPLITTER ISLAND 3 NOSE AT ROUNDABOUT |                                      |
| SUBTOTAL                                  |                |                | 4105                              | 5641      |  |        |                                      |                                      |
| TOTAL                                     |                |                |                                   | 9746      |  |        |                                      |                                      |

| 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                  | 660               | CONTINENTAL   | A24F             | 33 @ 20 FT2     |
| "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                      | 1618              |               |                  |                 |

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

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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

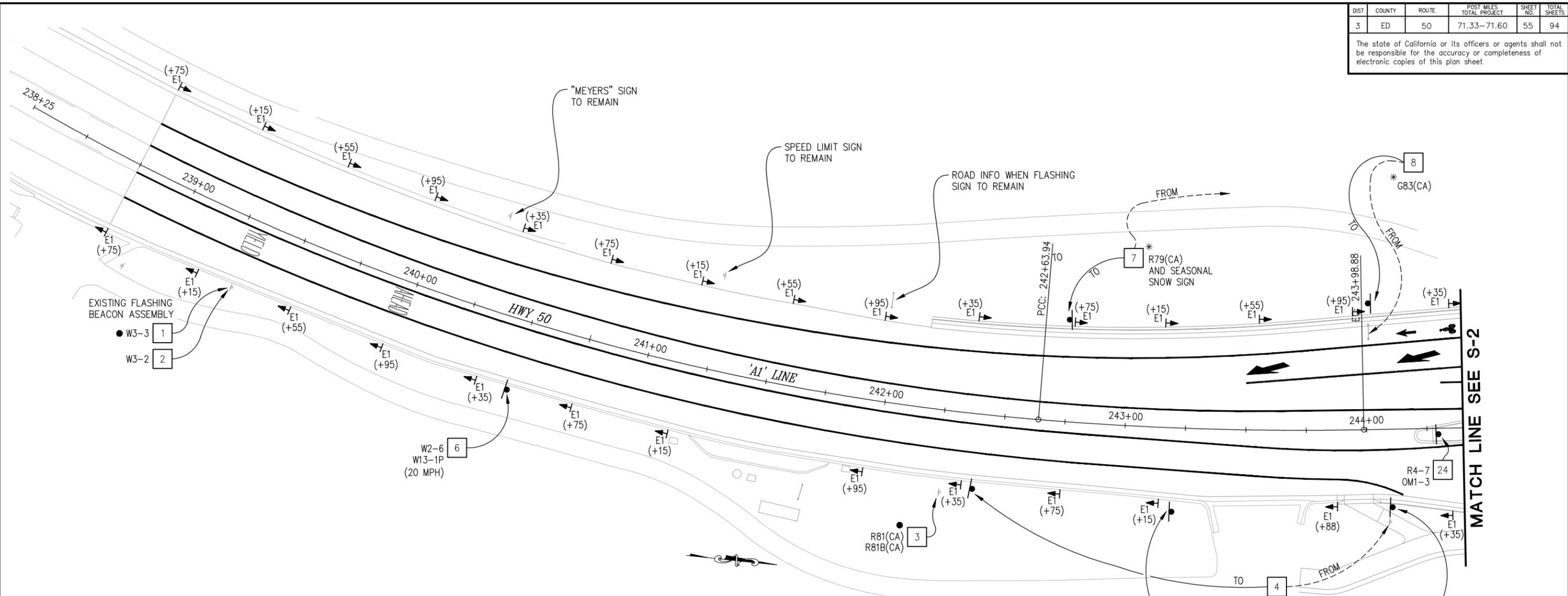
SHEET  
PD-6  
54 OF 94  
W.O. No. 7614

PAVEMENT DELINEATION QUANTITIES  
SCALE : NONE

| 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  
2  
1  
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Drawing name: Z:\Civil\_3D\Projects\36104026\Pioneer\_Roundabout\CADD\_Files\Sheets\S-Sheets.dwg  
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Layout Tab: S-1  
Dec 29, 2023 - 9:51am ksuaiyama

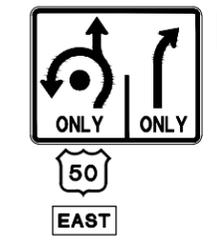


**GENERAL NOTES**

- 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**

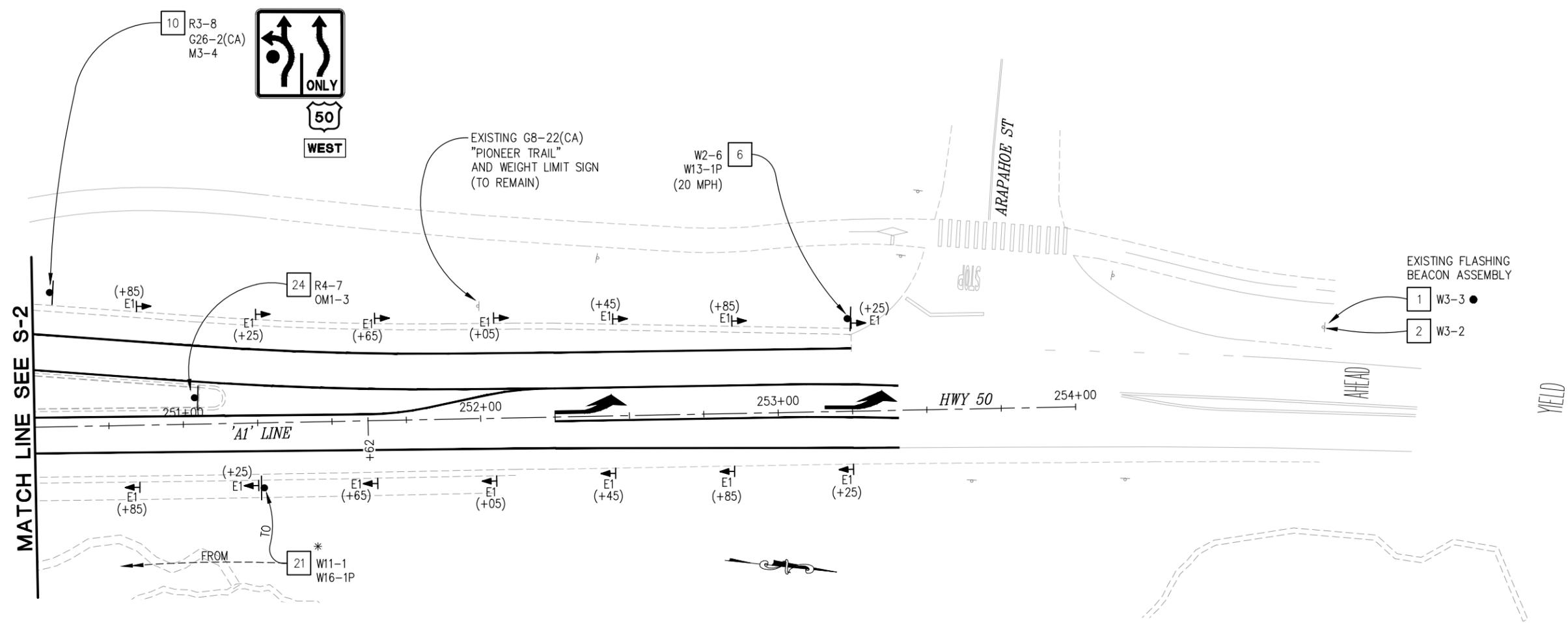
SHEET  
**S-1**  
55 OF 94  
W.O. No.  
**7614**



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

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ORIGINAL SCALE IS IN INCHES  
 Drawing name: Z:\Civil\_3D\_Projects\36104026\_Pioneer\_Roundabout\CADD\_Files\Sheets\S-Sheets.dwg Layout Tab: S-3 Dec 29, 2023 - 9:55am ksujivama  
 FOR REDUCED PLANS  
 2  
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THIS SHEET ACCURATE FOR SIGNING WORK ONLY

**SIGNING**  
SCALE : 1" = 20'

|       |                 |             |
|-------|-----------------|-------------|
| 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



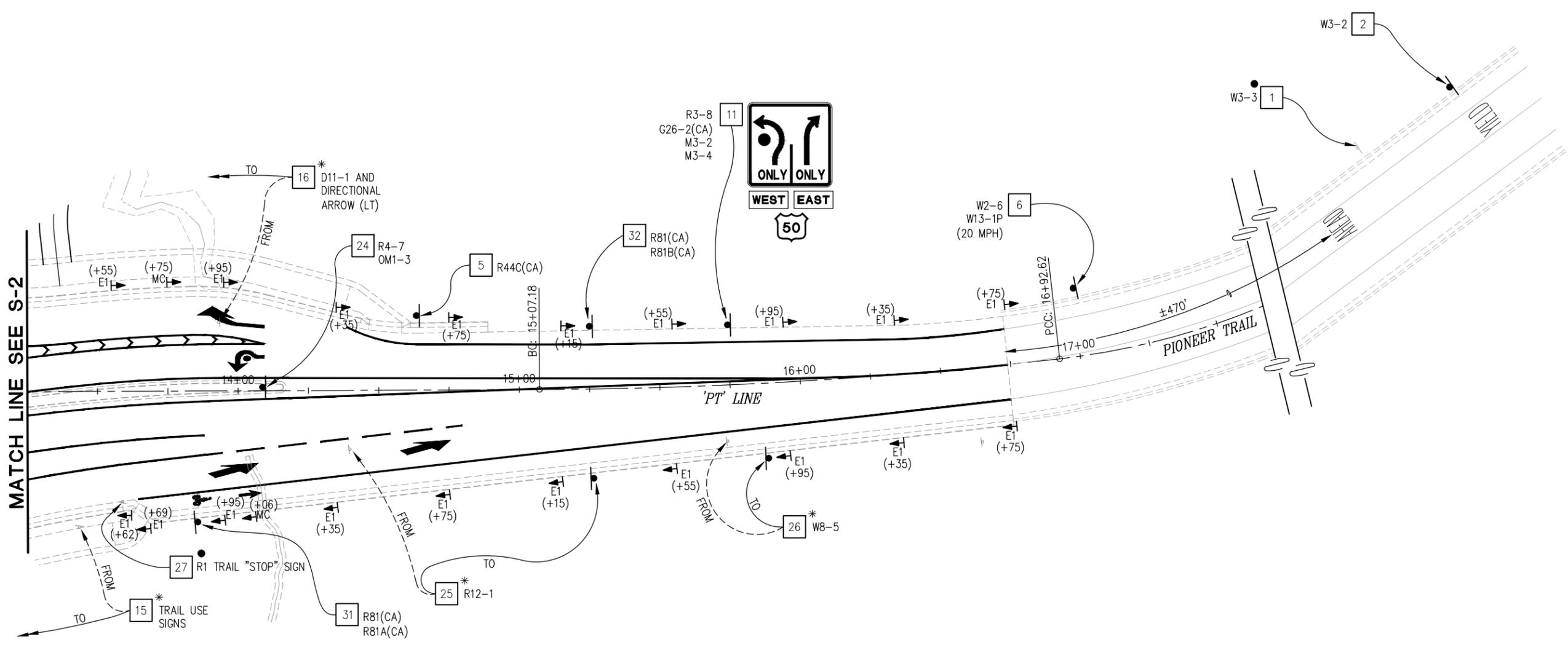
**COUNTY OF EL DORADO**  
**DEPARTMENT OF TRANSPORTATION**

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

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

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

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MATCH LINE SEE S-2

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES Drawing name: Z:\Civil\_3D\Projects\36104026\Pioneer Roundabout\CADD\Files\Sheets\S-Sheets.dwg Layout Tab: S-4 Dec 29, 2023 - 9:57am ksugiyama

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  
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**

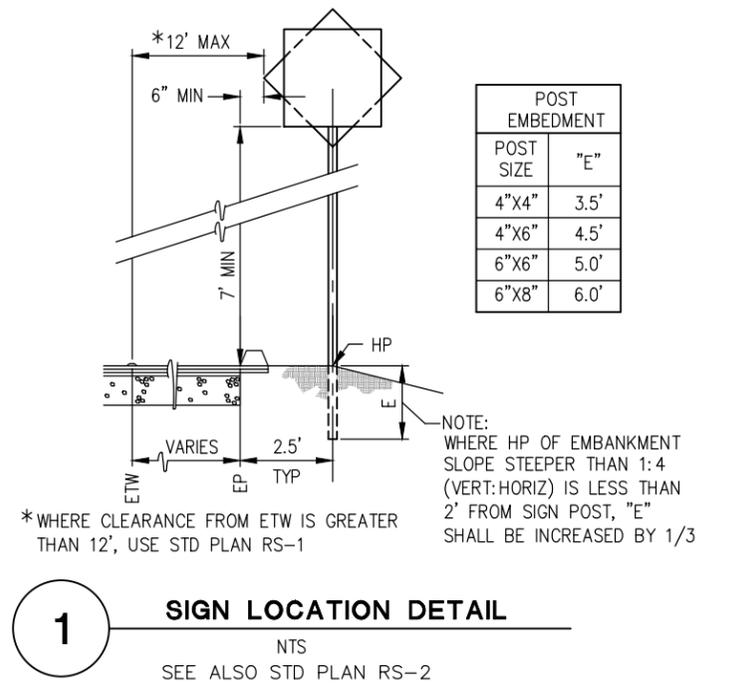
SHEET  
**S-4**  
58 OF 94  
W.O. No.  
**7614**

ORIGINAL SCALE IS IN INCHES  
 Drawing name: Z:\Civil\_3D\Projects\36104026\Pioneer\_Roundabout\CADD\Files\Sheets\S-Sheets.dwg Layout Tab: S-5 Dec 29, 2023 - 10:21am ksujiyama  
 FOR REDUCED PLANS

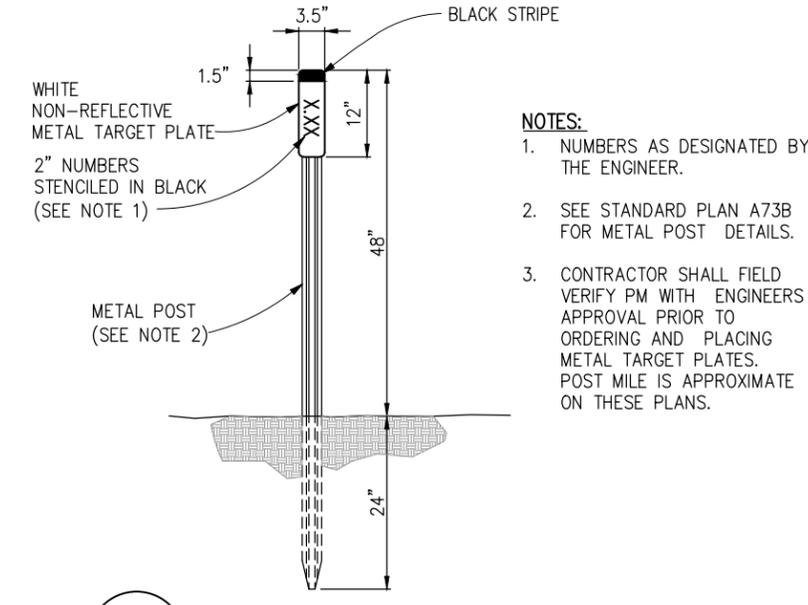
| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 3    | ED     | 50    | 71.33-71.60              | 59        | 94           |

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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" |                |             |             |           |                   |                                 |   |
| 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          |
|          |                                      |                                  |                         |                      |       | 12             | 1           |             |           | ±'PT' 21+45 LT    |                                 |   |
| 3        | BIKE LANE END                        | R81(CA)<br>R81B(CA)              |                         |                      |       |                |             |             |           | ±'A1' 242+26 RT   |                                 |   |
|          | BIKE LANE END                        | R81(CA)<br>R81B(CA)              |                         |                      |       |                |             |             |           | ±'PT' 12+95 LT    |                                 |   |
|          | BIKE LANE BEGIN                      | R81(CA)<br>R81A(CA)              |                         |                      |       |                |             |             |           | ±'PT' 13+01 RT    |                                 |   |
| 4        | ROAD NAME WEIGHT LIMIT               | G8-1(CA)<br>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<br>W13-1P (20)              | 36X36<br>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)<br>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<br>G26-2(CA)<br>M3-2        | 36X36<br>24X24<br>12X24 |                      |       | 12             | 1           |             |           | ±'A1' 243+20 RT   |                                 |   |
| 10       | ADVANCED LANE CONTROL                | R3-8<br>G26-2(CA)<br>M3-4        | 36X36<br>24X24<br>12X24 |                      |       | 12             | 1           |             |           | ±'A1' 250+56 LT   |                                 |   |
| 11       | ADVANCED LANE CONTROL                | R3-8<br>G26-2(CA)<br>M3-2 & M3-4 | 36X36<br>24X24<br>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                    |       |                |             |             | 1         | ±'PT' 13+43 RT    | ±'A1' 245+42 RT                 |   |
| 16       | BIKE ROUTE DIRECTIONAL SIGN          | D11-1                            |                         | 12                   |       |                |             |             | 1         | ±'PT' 13+93 LT    | ±'PT' 12+71 LT                  |   |
| 17       | BIKE ROUTE SIGNS                     | R26A(CA)<br>R81(CA)<br>R81A(CA)  |                         |                      |       |                |             |             |           | ±'A1' 246+08 LT   |                                 |   |
| 18       | DOUBLE ARROW DIRECTION OBJECT MARKER | W1-7<br>OM1-3                    |                         |                      |       |                |             |             |           | ±'A1' 246+83 LT   |                                 |   |
| 19       | BIKE USE AND DIRECTIONAL SIGNS       |                                  |                         | 10                   |       |                |             |             | 1         | ±'A1' 247+34 LT   | ±'A1' 247+98 LT                 |   |
| 20       | SIDE ROAD                            | W2-2 (LT)                        |                         |                      |       | 14             |             |             | 1         | ±'A1' 249+49 RT   | ±'A1' 250+25 RT                 |   |
| 21       | BIKE SYMBOL "SHARE THE ROAD"         | W11-1<br>W16-1P                  |                         |                      |       | 14             |             |             | 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 |
|-------|-----------------|-------------|

| 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-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  
 FOR REDUCED PLANS

### 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)<br>M6-6(L)<br>M6-6(R) | 24X24<br>9X12<br>9X12 | 12                   |       |               | 1              |             |             |                | ±'A1' 245+56 RT   | SIGNS MOUNTED ON EACH SIDE OF POST |         |
| 23              | BIKE ROUTE SIGN DIRECTIONAL ARROW  | D11-1A<br>M5-1(L)                   | 18X24<br>15X21        | 12                   |       |               | 1              |             |             |                | ±'A1' 248+05 RT   |                                    |         |
| 24              | "KEEP RIGHT" GRAPHIC OBJECT MARKER | R4-7<br>OM1-3                       | 24X30<br>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<br>R81A                         | 18X24<br>5X12         |                      |       |               | 12             |             |             | 1              | ±'PT' 13+85 RT    |                                    |         |
| 32              | BIKE LANE ENDS                     | R81<br>R81B                         | 18X24<br>5X8          |                      |       |               | 12             |             |             | 1              | ±'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<br>W12-1                     | 36X36<br>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<br>W16-7P(R)                 | 36X36<br>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<br>W16-7P(L)                 | 36X36<br>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        |

| 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

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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

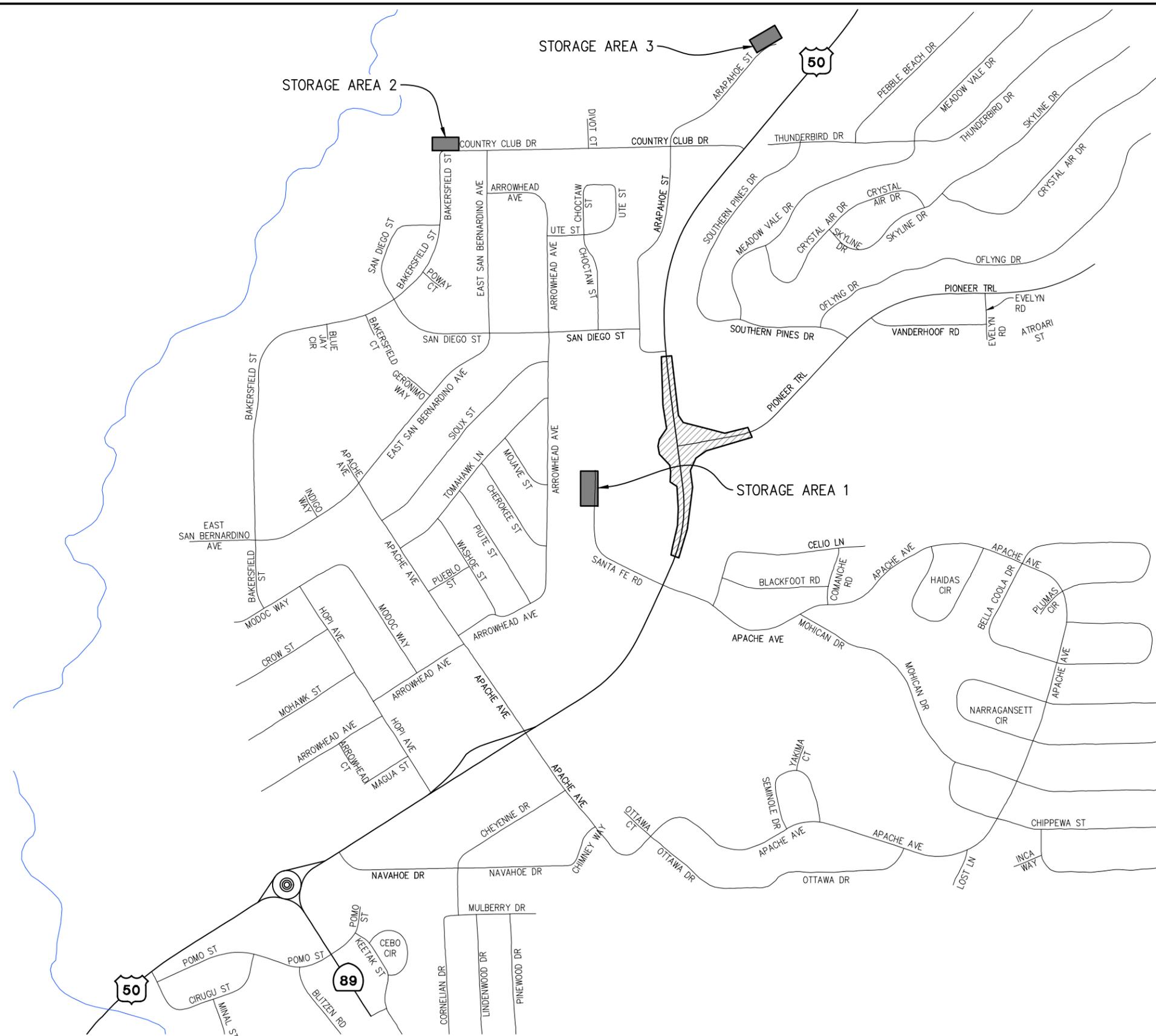
PIONEER TRAIL/US HIGHWAY 50  
 INTERSECTION SAFETY  
 IMPROVEMENT PROJECT

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

ORIGINAL SCALE IS IN INCHES  
 Drawing name: Z:\Civil\_3D\Projects\36104026\Pioneer\_Roundabout\CADD\_Files\Sheets\SC- Streets.dwg Layout Tab: SC-1 Dec 29, 2023 11:19am ksugiyama  
 FOR REDUCED PLANS

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

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**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'

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



**COUNTY OF EL DORADO**  
**DEPARTMENT OF TRANSPORTATION**

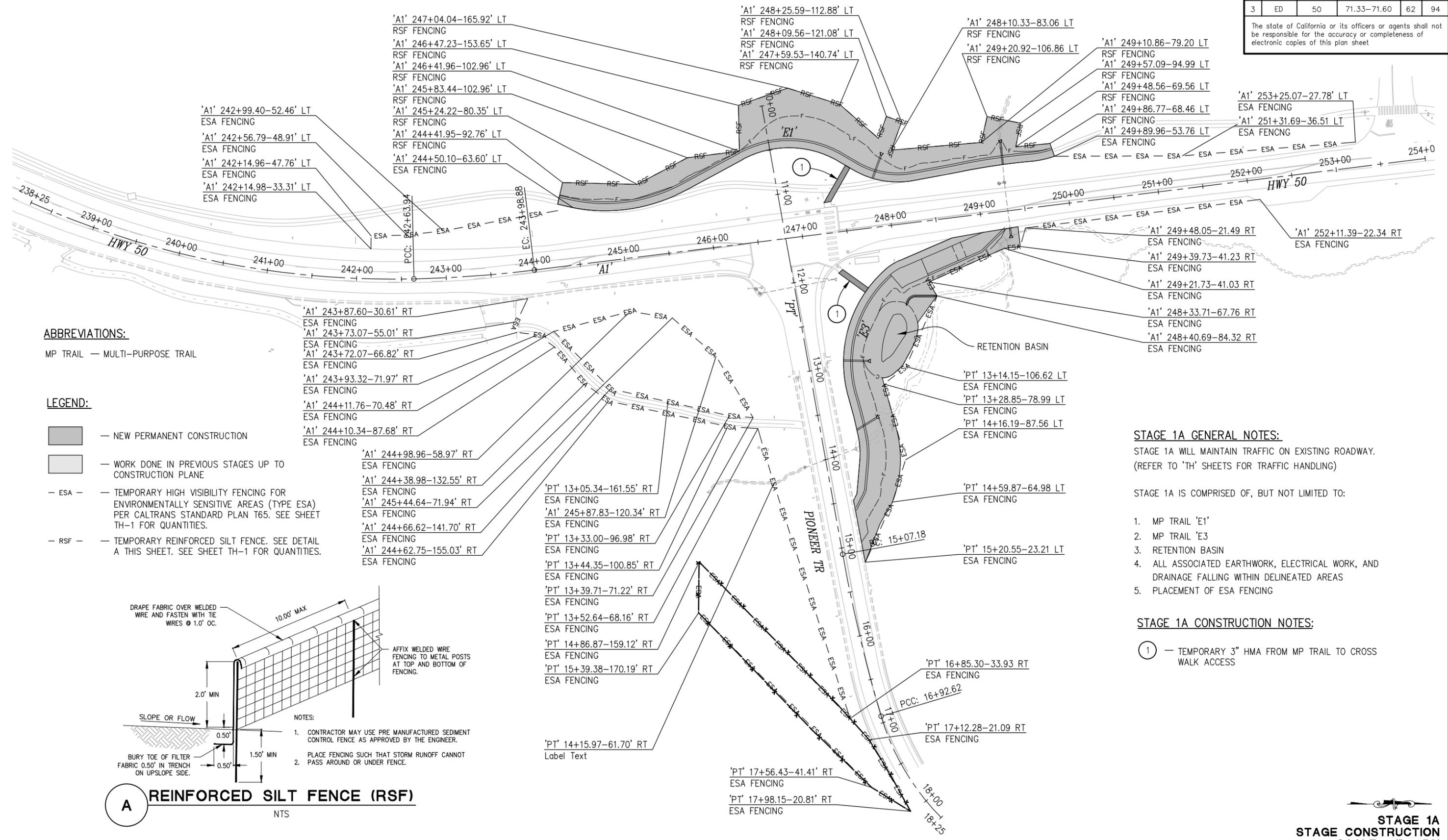
**PIONEER TRAIL/US HIGHWAY 50**  
**INTERSECTION SAFETY**  
**IMPROVEMENT PROJECT**

SHEET  
**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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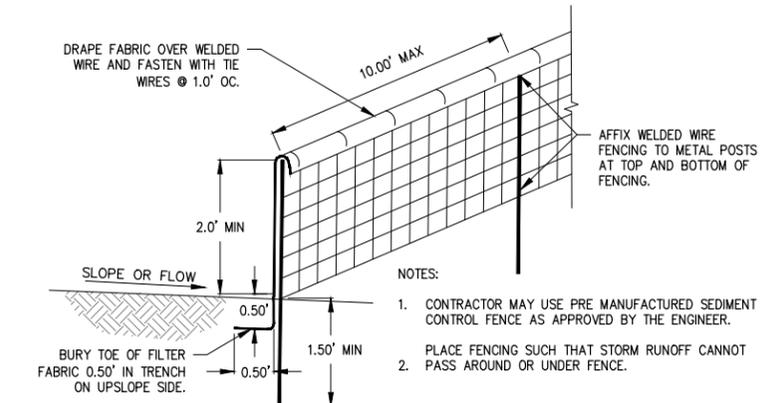


**ABBREVIATIONS:**

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.



**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:

- MP TRAIL 'E1'
- MP TRAIL 'E3'
- RETENTION BASIN
- ALL ASSOCIATED EARTHWORK, ELECTRICAL WORK, AND DRAINAGE FALLING WITHIN DELINEATED AREAS
- PLACEMENT OF ESA FENCING

**STAGE 1A CONSTRUCTION NOTES:**

- 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 |
|----------|--------|------|-------------|----|
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DECEMBER 29, 2023  
DATE:

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



**COUNTY OF EL DORADO  
DEPARTMENT OF TRANSPORTATION**

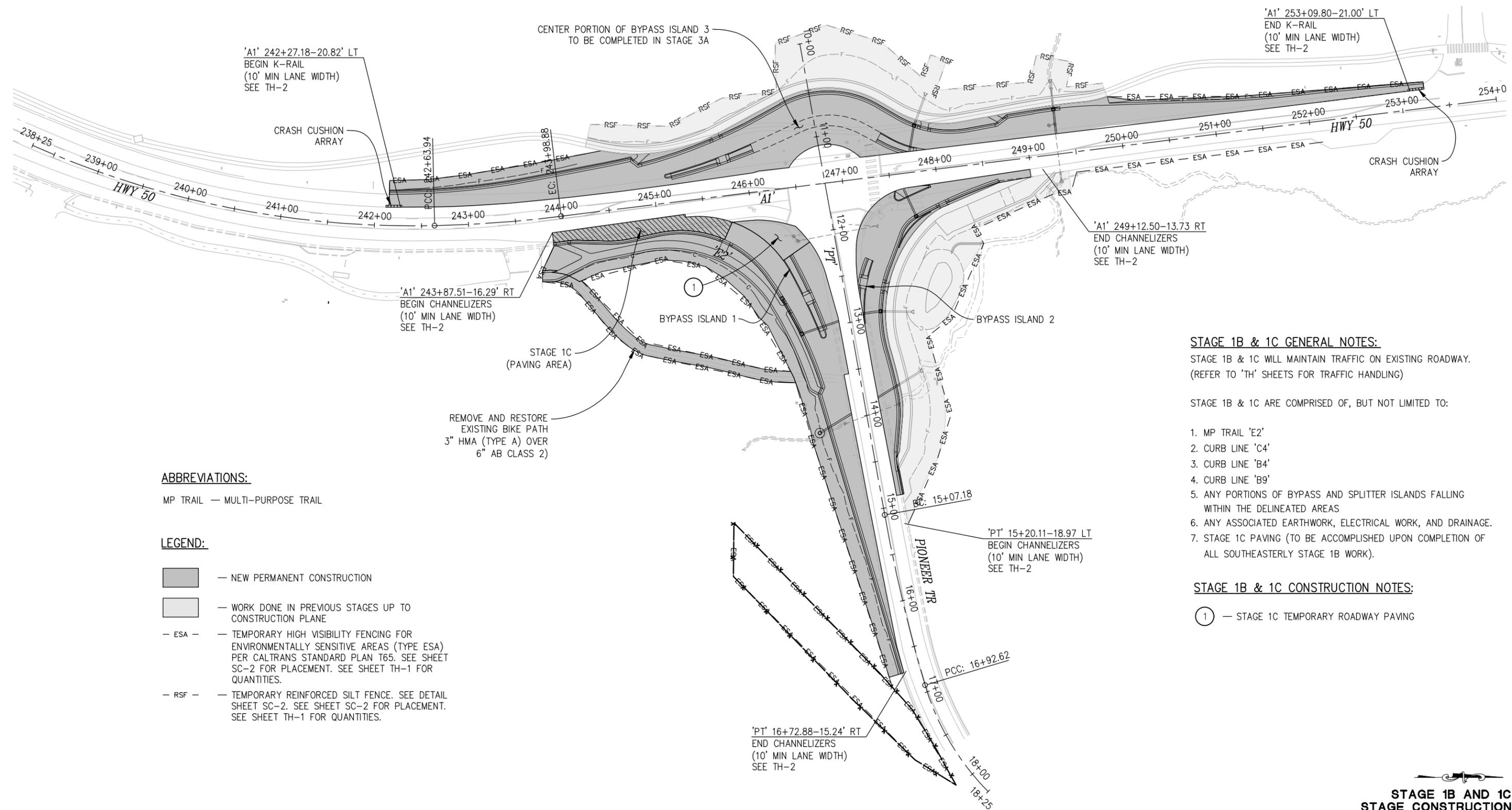
**PIONEER TRAIL/US HIGHWAY 50  
INTERSECTION SAFETY  
IMPROVEMENT PROJECT**

SHEET  
**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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Layout Tab: SC-3 Dec 29, 2023 11:28am ksudiyama



**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'**

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| CJ XX | EFIS 0317000163 | EA 03-2H610 |
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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**

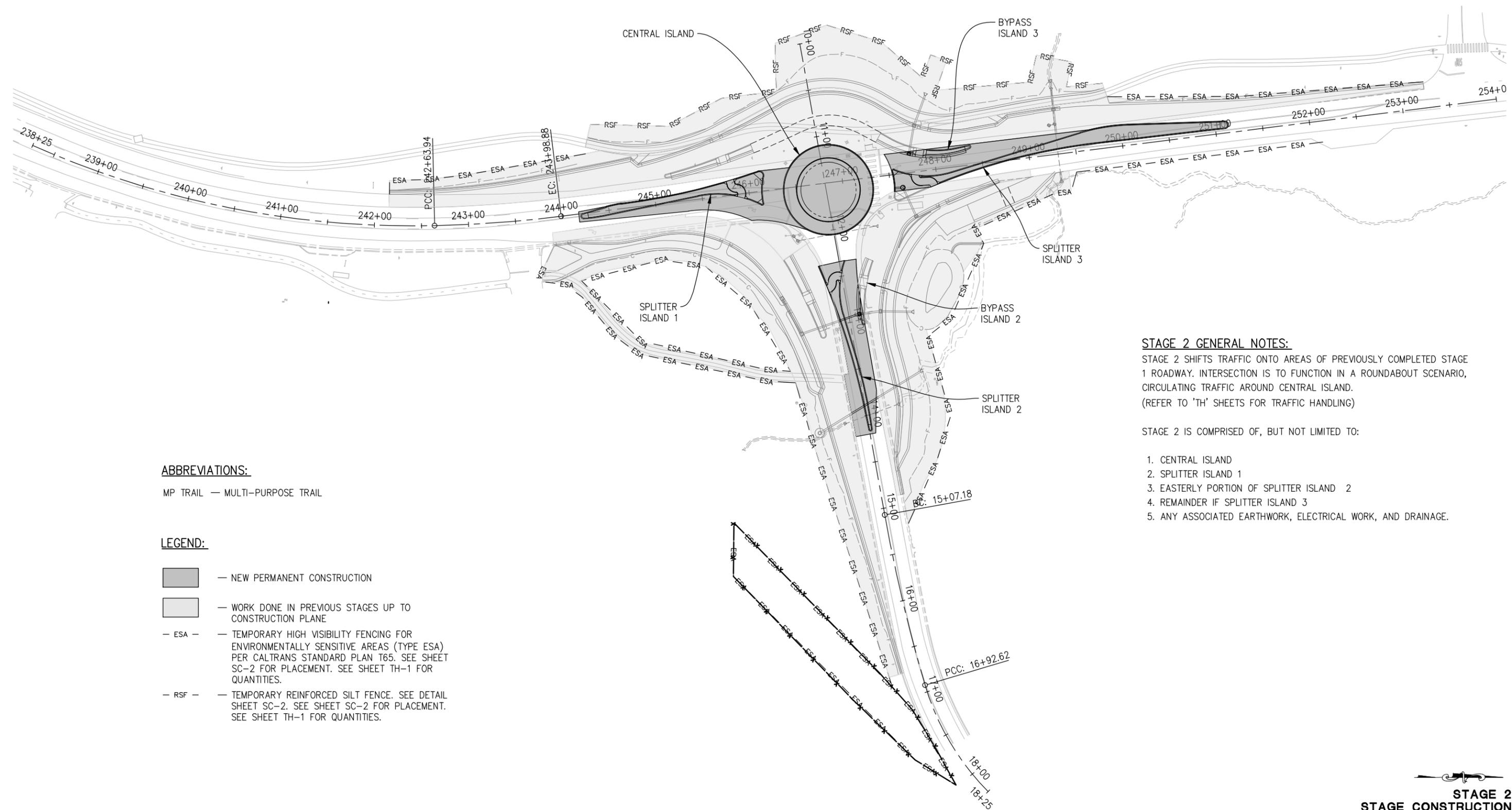
**PIONEER TRAIL/US HIGHWAY 50  
INTERSECTION SAFETY  
IMPROVEMENT PROJECT**

SHEET  
**SC-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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Layout Tab: SC-4 Dec 29, 2023 11:30am ksudiyama



**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 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:

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

THIS SHEET ACCURATE FOR STAGE CONSTRUCTION WORK ONLY

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

|       |                 |             |
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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**

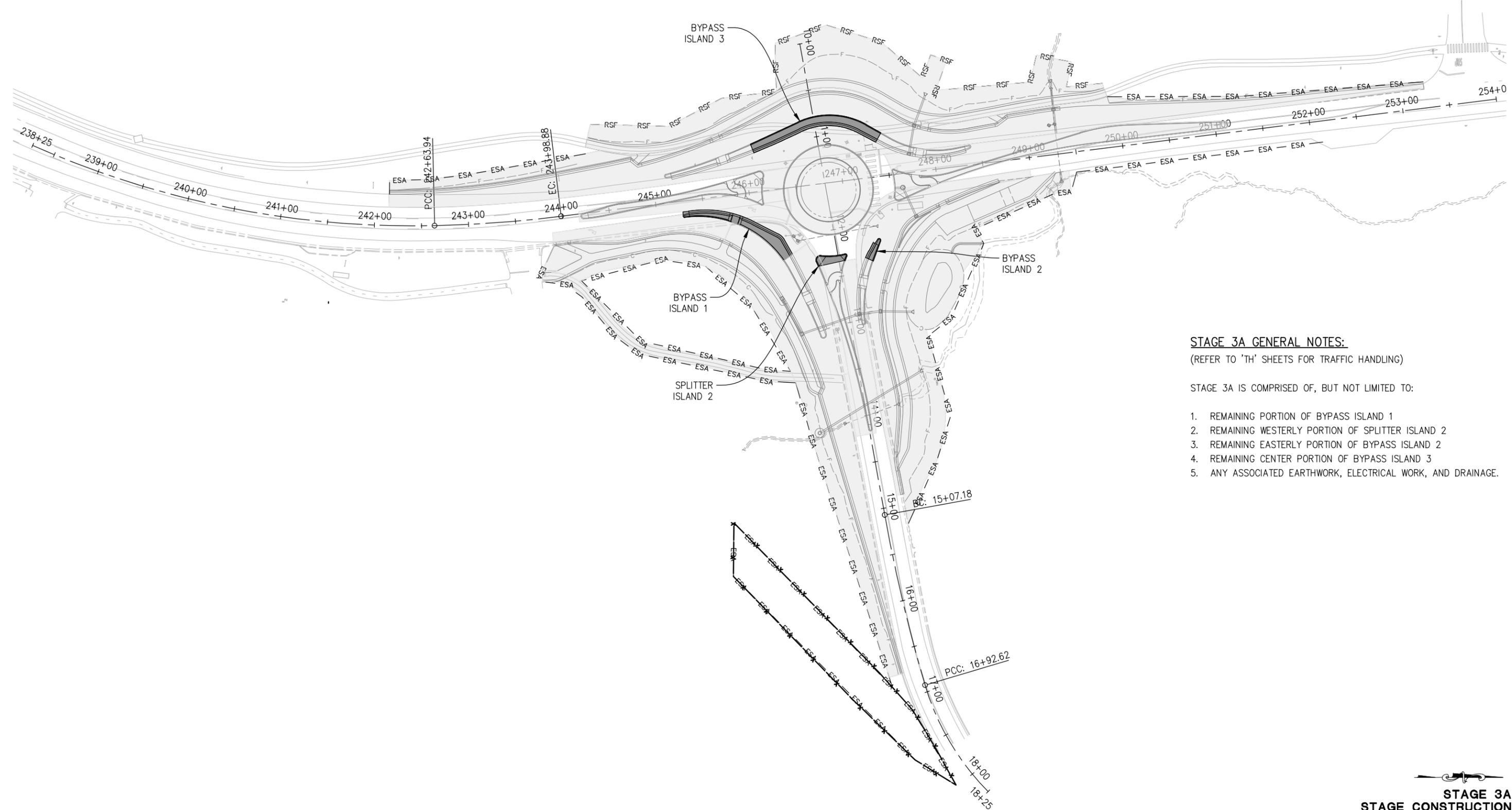
**PIONEER TRAIL/US HIGHWAY 50  
INTERSECTION SAFETY  
IMPROVEMENT PROJECT**

SHEET  
**SC-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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Drawing name: Z:\Civil\_3D\Projects\36104026\Pioneer\_Roundabout\CADD\Files\Sheets\SC- Streets.dwg Layout Tab: SC-5 Dec 29, 2023 11:32am ksudiyama



- 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.

FOR REDUCED PLANS  
2  
1  
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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 |
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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**

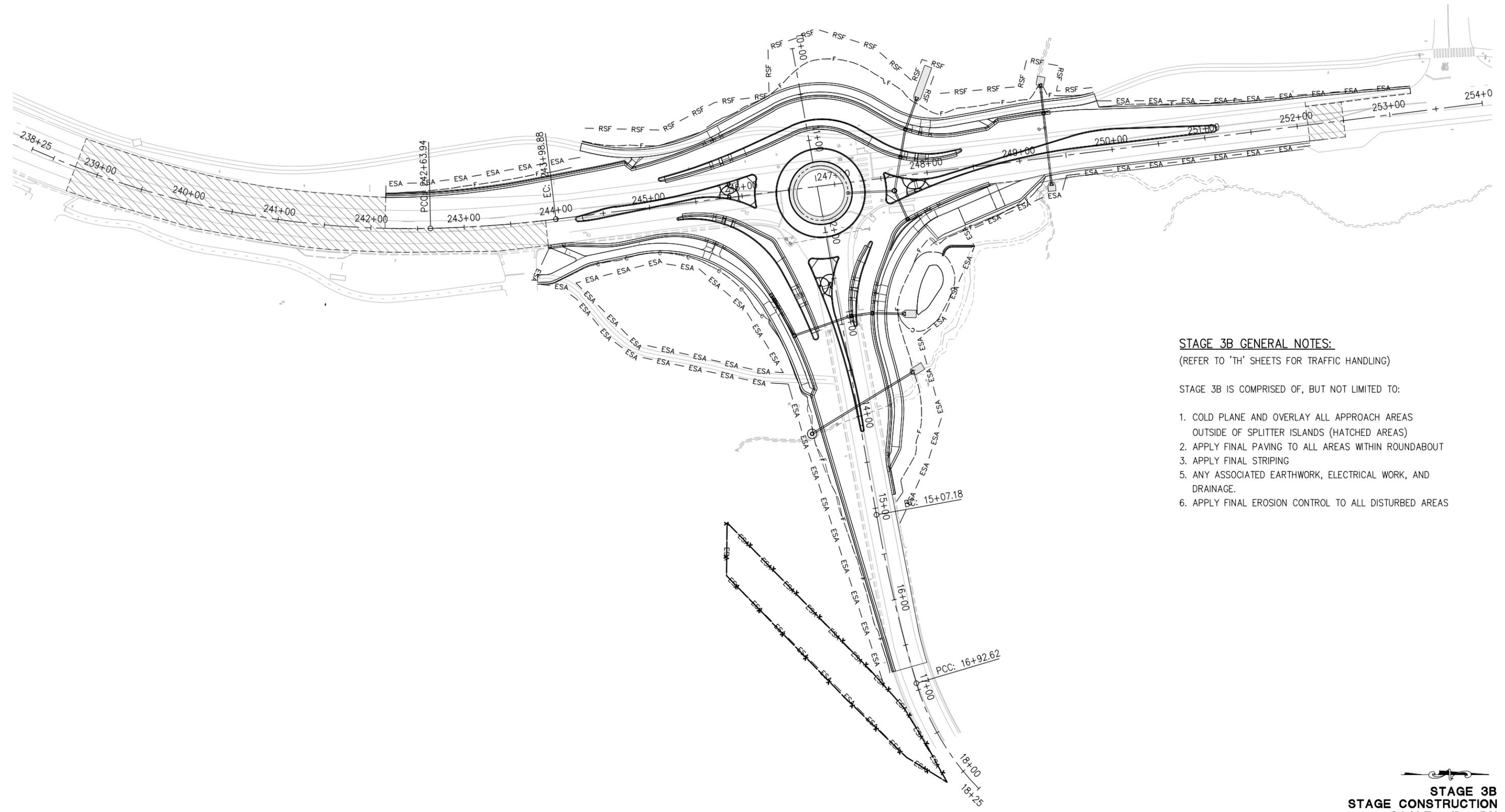
**PIONEER TRAIL/US HIGHWAY 50  
INTERSECTION SAFETY  
IMPROVEMENT PROJECT**

SHEET  
**SC-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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 REVISION



- 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

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



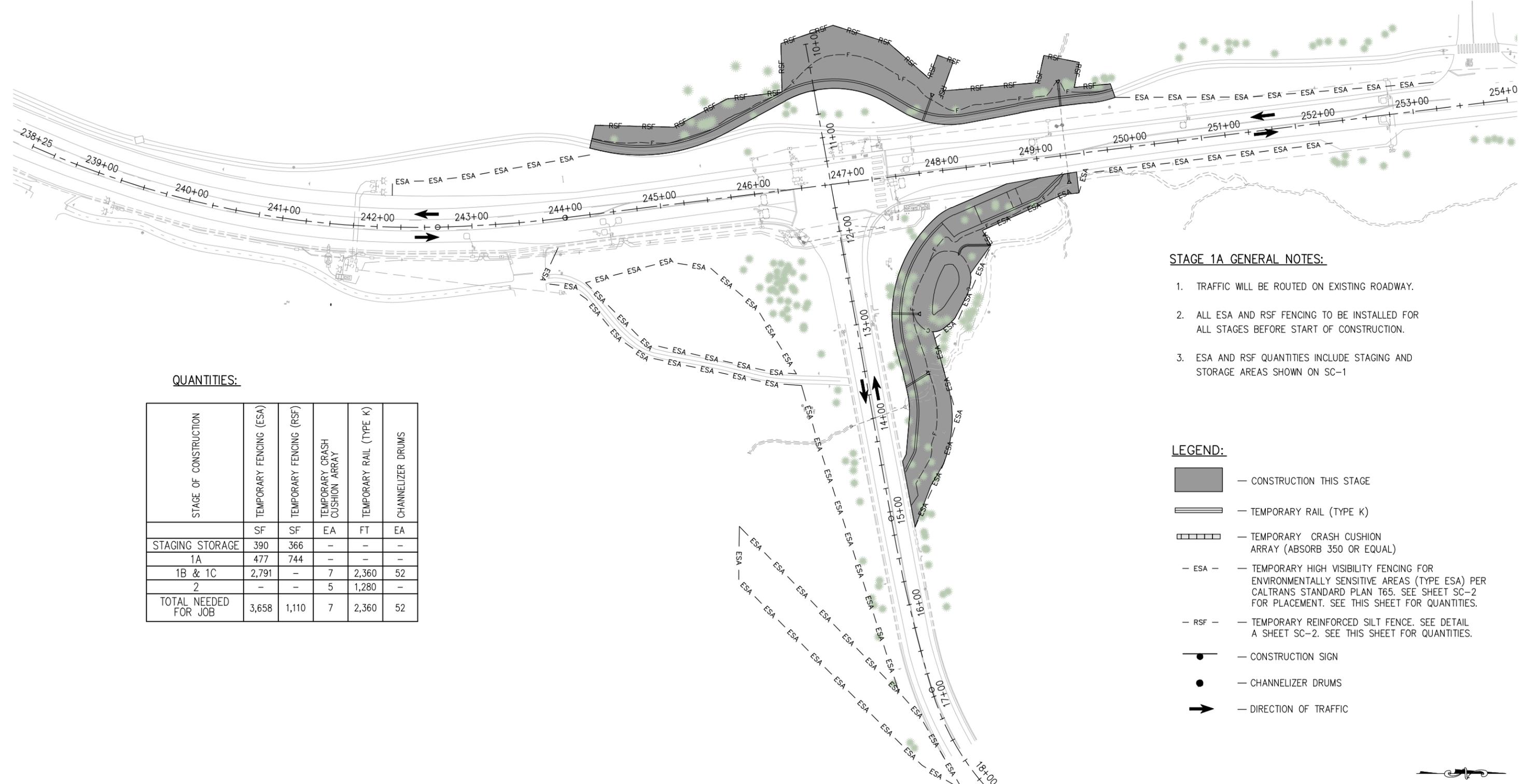
**COUNTY OF EL DORADO  
 DEPARTMENT OF TRANSPORTATION**

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

SHEET  
**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) | CHANNELIZER DRUMS |
|-----------------------|-------------------------|-------------------------|-------------------------------|-------------------------|-------------------|
| STAGING STORAGE       | SF                      | SF                      | EA                            | FT                      | EA                |
| 1A                    | 390                     | 366                     | -                             | -                       | -                 |
| 1B & 1C               | 477                     | 744                     | -                             | -                       | -                 |
| 2                     | 2,791                   | -                       | 7                             | 2,360                   | 52                |
| TOTAL NEEDED FOR JOB  | -                       | -                       | 5                             | 1,280                   | -                 |
| TOTAL NEEDED FOR JOB  | 3,658                   | 1,110                   | 7                             | 2,360                   | 52                |

**LEGEND:**

- CONSTRUCTION THIS STAGE
- TEMPORARY RAIL (TYPE K)
- 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'**

|       |                 |             |
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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**

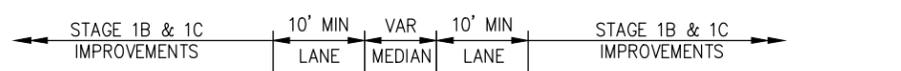
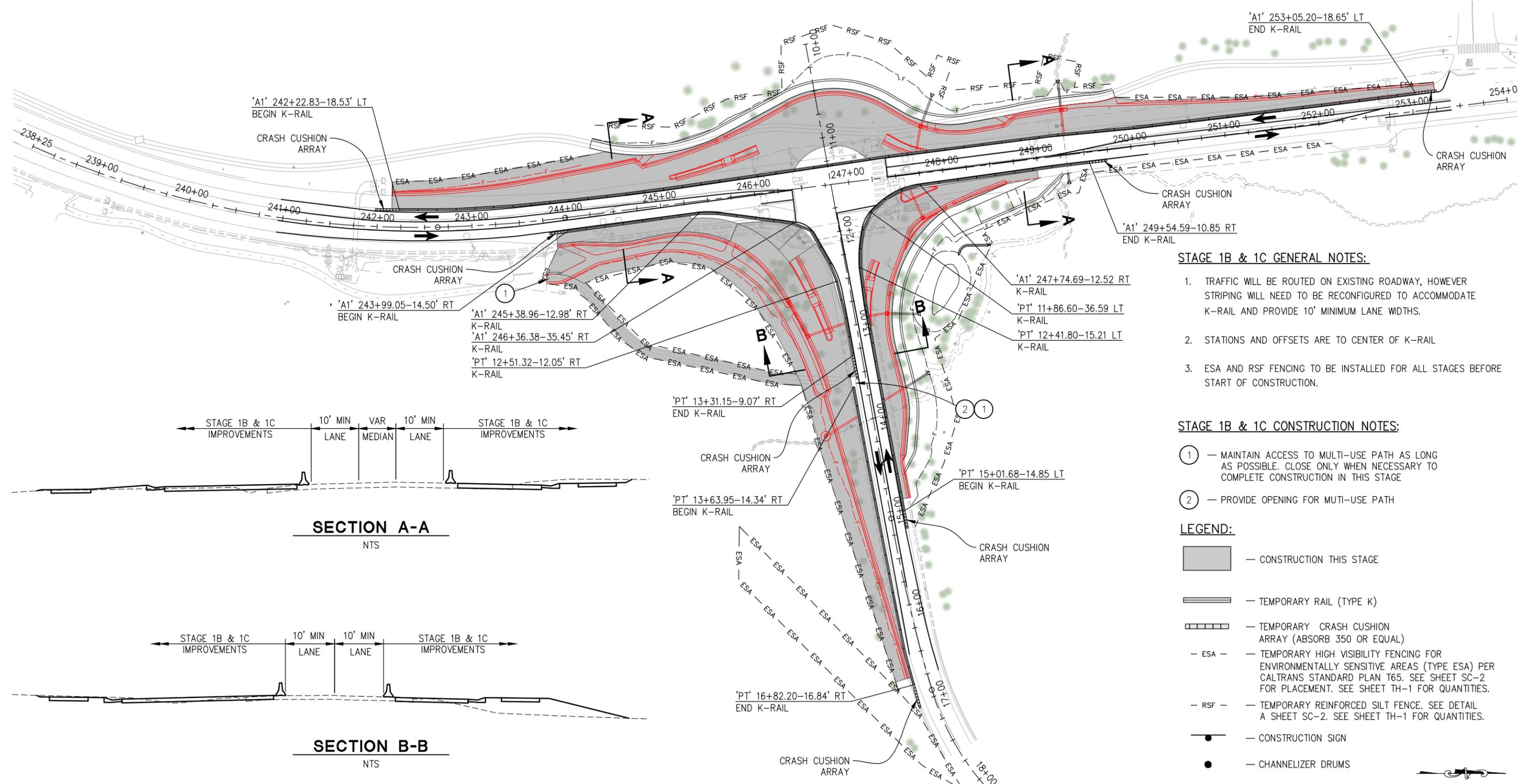
**PIONEER TRAIL/US HIGHWAY 50  
INTERSECTION SAFETY  
IMPROVEMENT PROJECT**

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

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

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- STAGE 1B & 1C GENERAL NOTES:**
- TRAFFIC WILL BE ROUTED ON EXISTING ROADWAY, HOWEVER STRIPING WILL NEED TO BE RECONFIGURED TO ACCOMMODATE K-RAIL AND PROVIDE 10' 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)
  - 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 |
|-------|-----------------|-------------|

| 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**

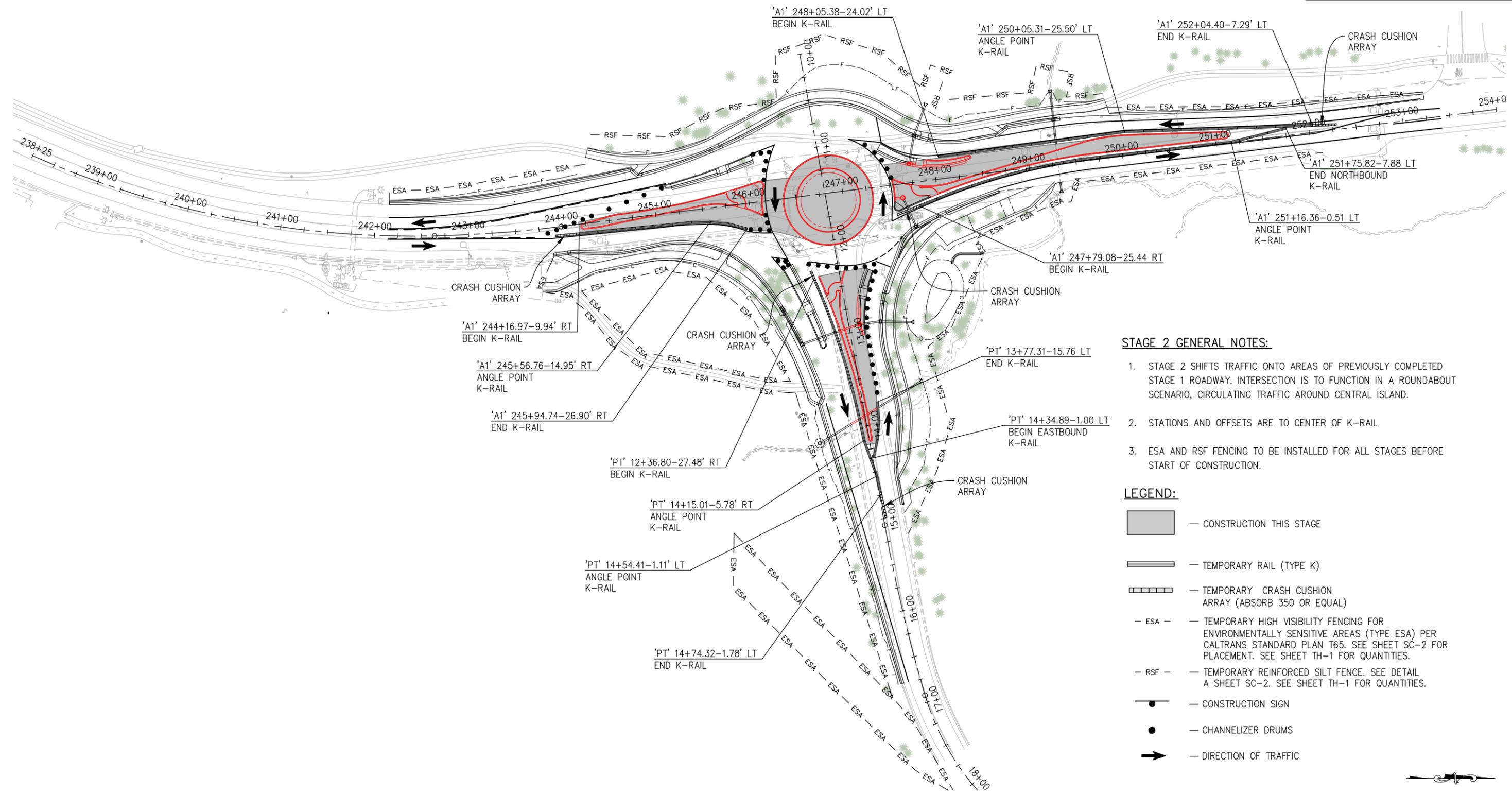
**PIONEER TRAIL/US HIGHWAY 50  
INTERSECTION SAFETY  
IMPROVEMENT PROJECT**

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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Drawing name: Z:\Civil\_3D\Projects\36104026\Pioneer\_Roundabout\CADD\Files\Sheets\TH-3\Streets.dwg Layout Tab: TH-3 Dec 29, 2023 12:55pm ksudjyomo



**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)
- 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 2  
SCALE : NONE**

|       |                 |             |
|-------|-----------------|-------------|
| CJ XX | EFIS 0317000163 | EA 03-2H610 |
|-------|-----------------|-------------|

| 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**

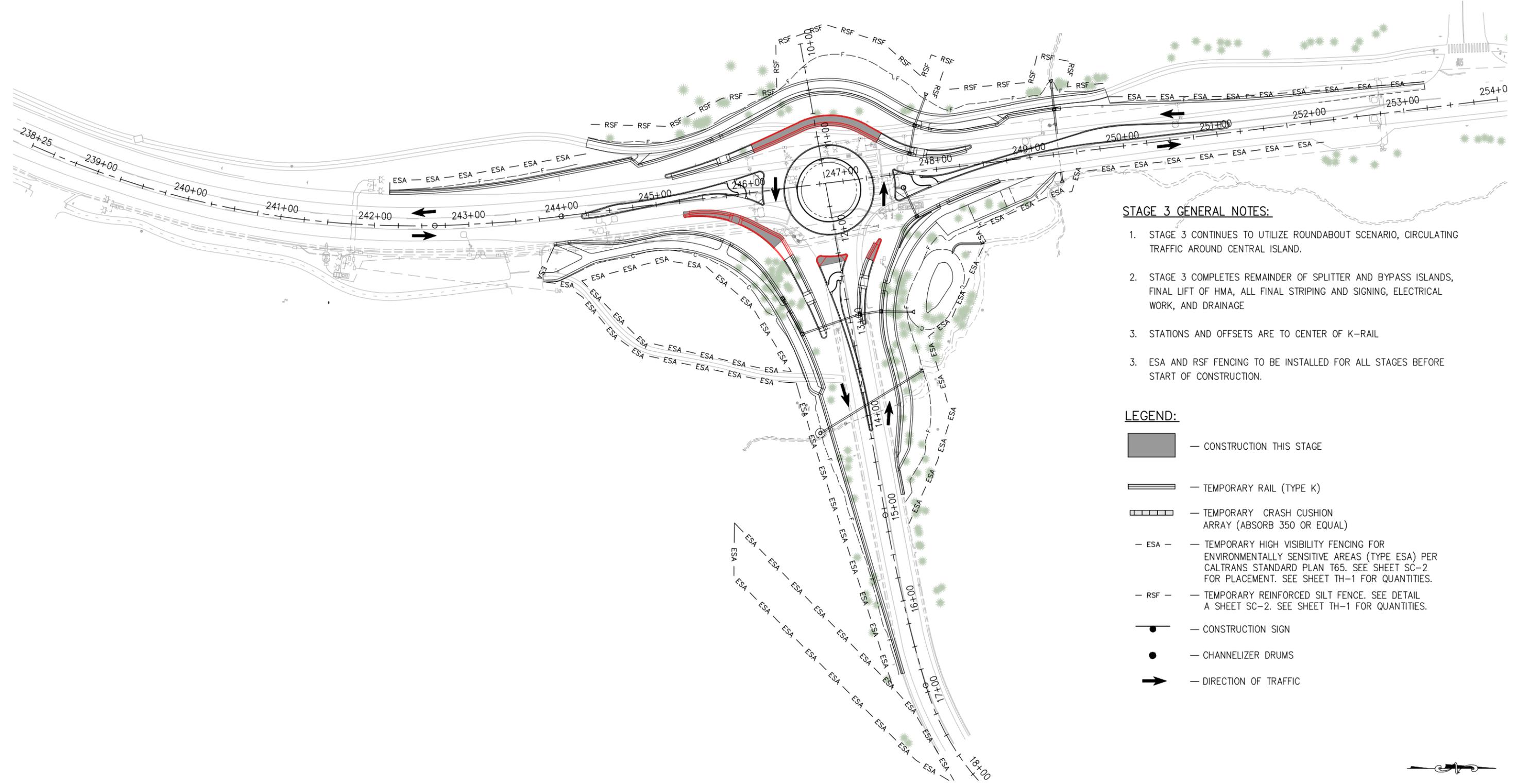
**PIONEER TRAIL/US HIGHWAY 50  
INTERSECTION SAFETY  
IMPROVEMENT PROJECT**

SHEET  
**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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 Drawing name: Z:\Civil\_3D\Projects\36104026\Pioneer\_Roundabout\CADD\Files\Sheets\TH- Streets.dwg Layout Tab: TH-4 Dec 29, 2023 1:00pm ksujayama  
 FOR REDUCED PLANS  
 2  
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**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:**

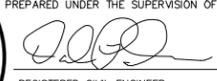
-  — CONSTRUCTION THIS STAGE
-  — TEMPORARY RAIL (TYPE K)
-  — TEMPORARY CRASH CUSHION ARRAY (ABSORB 350 OR EQUAL)
-  — TEMPORARY HIGH VISIBILITY FENCING FOR ENVIRONMENTALLY SENSITIVE AREAS (TYPE ESA) PER CALTRANS STANDARD PLAN T65. SEE SHEET SC-2 FOR PLACEMENT. SEE SHEET TH-1 FOR QUANTITIES.
-  — TEMPORARY 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 |
|-------|-----------------|-------------|

| 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**

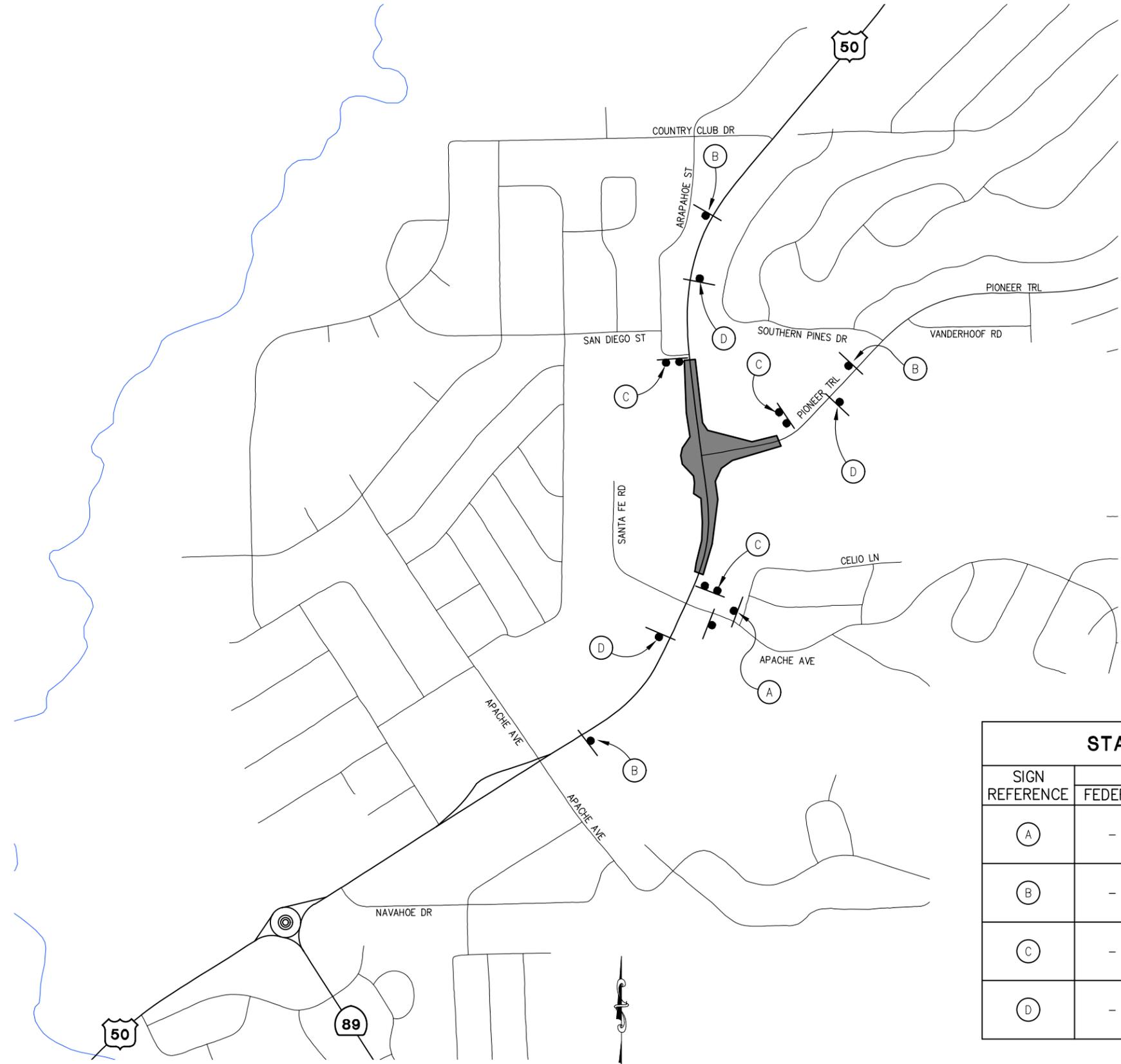
**PIONEER TRAIL/US HIGHWAY 50  
 INTERSECTION SAFETY  
 IMPROVEMENT PROJECT**

SHEET  
**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-Sheets.dwg Layout Tab: CS-1 Dec 29, 2023 - 1:04pm ksujyama  
 FOR REDUCED PLANS  
 2  
 1  
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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 |
|----------|--------|------|-------------|----|
|          |        |      |             |    |



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 REGISTERED CIVIL ENGINEER  
 DECEMBER 29, 2023  
 DATE:

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



**COUNTY OF EL DORADO**  
**DEPARTMENT OF TRANSPORTATION**

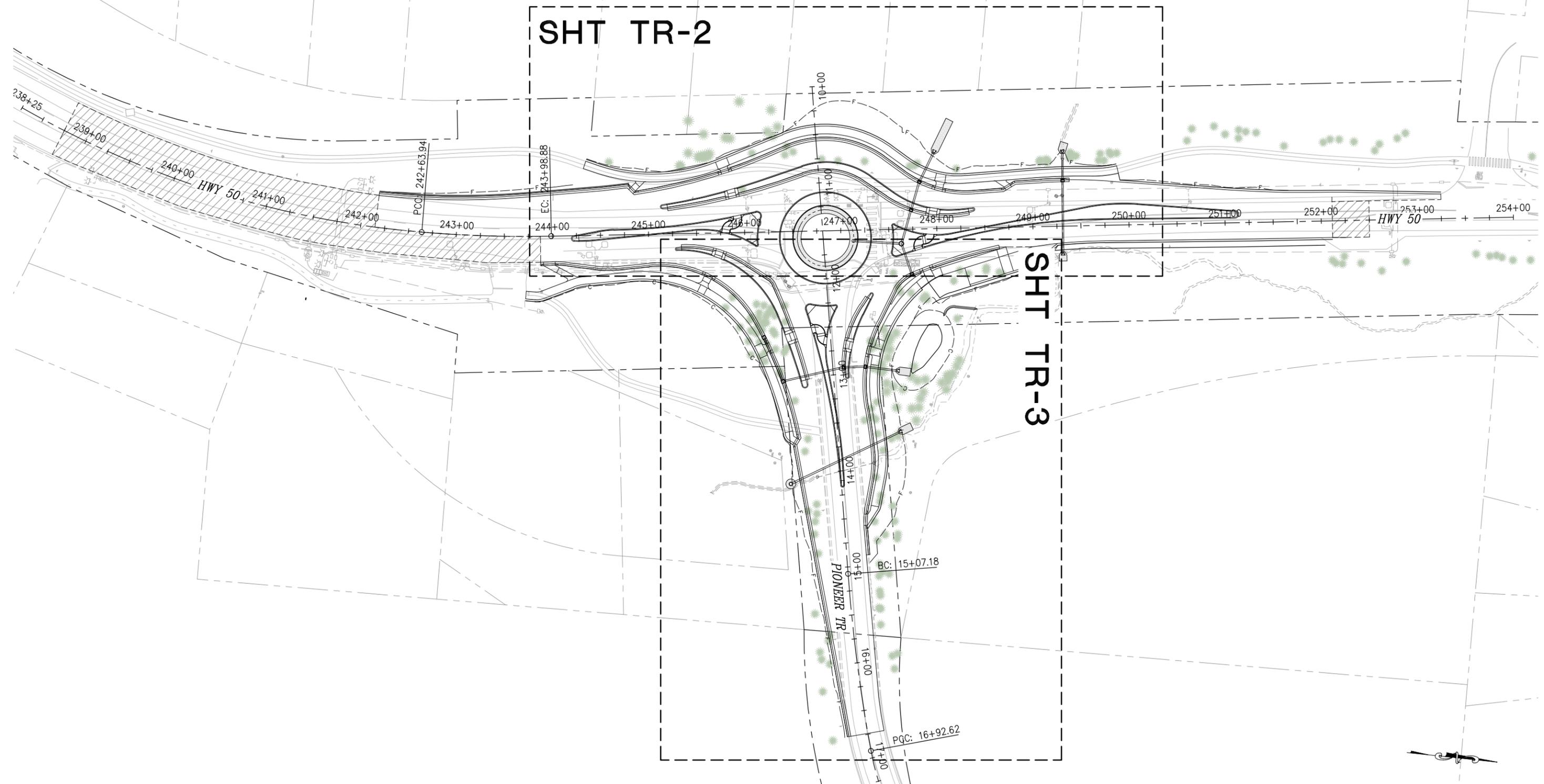
**PIONEER TRAIL/US HIGHWAY 50**  
**INTERSECTION SAFETY**  
**IMPROVEMENT PROJECT**

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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 Drawing name: Z:\Civil\_3D\Projects\36104026\Pioneer Roundabout\CADD\Files\Sheets\TR-Sheets.dwg Layout Tab: TR-1 Dec 29, 2023 1:07pm ksuciyama  
 FOR REDUCED PLANS  
 2  
 1  
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**TREE REMOVAL-KEY MAP**  
SCALE : 1" = 50'

EFIS 0317000163 CU XX EA 03-2H610

| REVISION | NUMBER | DATE | DESCRIPTION | BY |
|----------|--------|------|-------------|----|
|          |        |      |             |    |
|          |        |      |             |    |
|          |        |      |             |    |



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 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  
**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

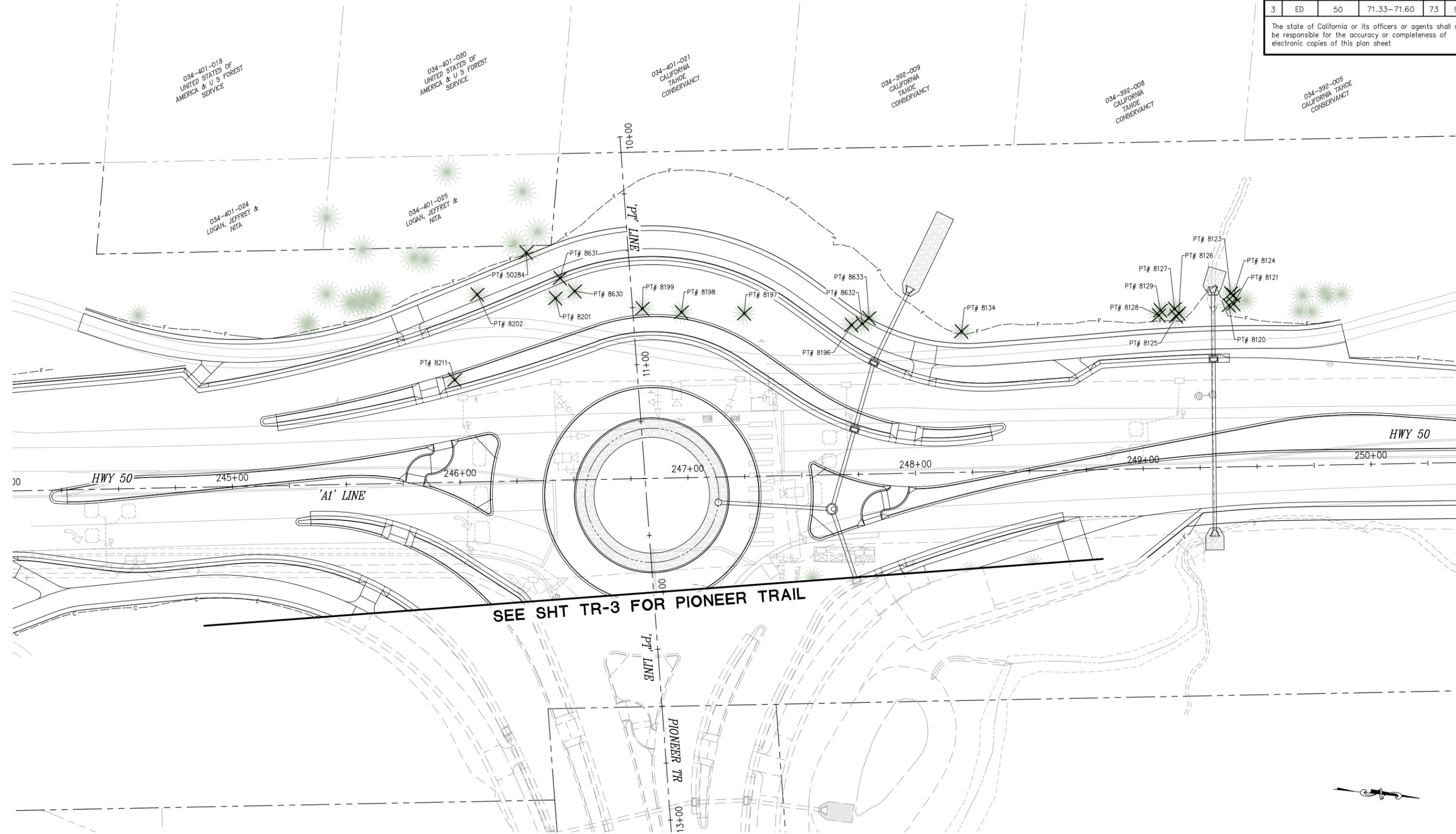
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CALIFORNIA TAHOE CONSERVANCY

034-392-005  
CALIFORNIA TAHOE CONSERVANCY

034-401-024  
LOGAN, JEFFREY & NITA

034-401-025  
LOGAN, JEFFREY & NITA

ORIGINAL SCALE IS IN INCHES  
Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\TR-Sheets.dwg Layout Tab: TR-2 Dec 29, 2023 1:09pm ksujayama



SEE SHT TR-3 FOR PIONEER TRAIL

**TREE REMOVAL SCALE : 1" = 20'**

EFIS 0317000163 CU XX EA 03-2H610

| REVISION | NUMBER | DATE | DESCRIPTION | BY |
|----------|--------|------|-------------|----|
|          |        |      |             |    |
|          |        |      |             |    |
|          |        |      |             |    |



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*[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**

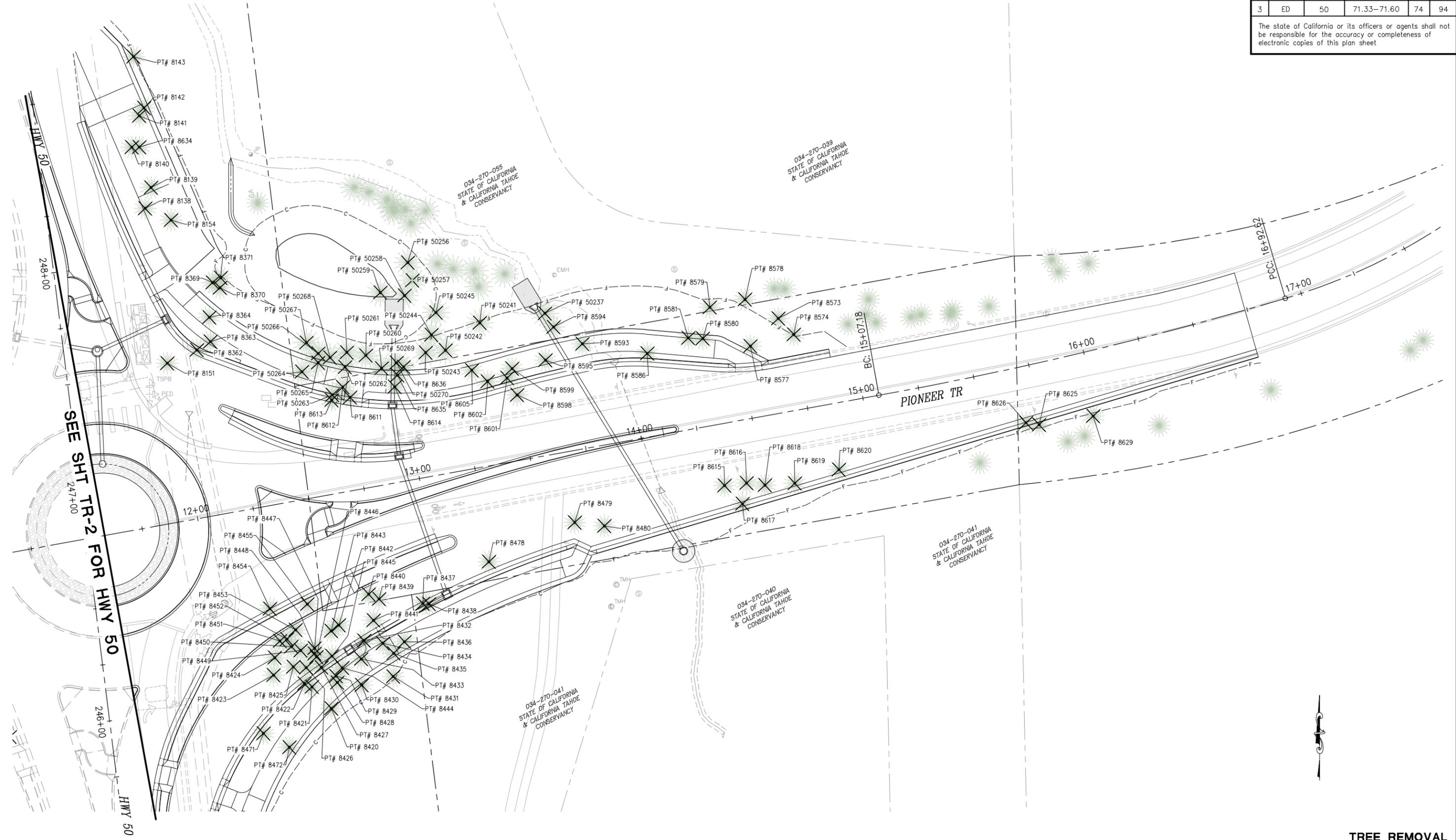
**PIONEER TRAIL/US HIGHWAY 50 INTERSECTION SAFETY IMPROVEMENT PROJECT**

SHEET  
**TR-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  
 2  
 1  
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**TREE REMOVAL**  
SCALE : 1" = 20'

EFIS 0317000163 CU XX EA 03-2H610

| REVISION | NUMBER | DATE | DESCRIPTION | BY |
|----------|--------|------|-------------|----|
|          |        |      |             |    |
|          |        |      |             |    |
|          |        |      |             |    |



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

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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  
**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    |

ORIGINAL SCALE IS IN INCHES  
Drawing name: Z:\Civil\_3D\Projects\36104026\Pioneer\_Roundabout\CADD\_Files\Sheets\TR-Sheets.dwg Layout Tab: TR-4 Dec 29, 2023 1:12pm ksudiyama

TREE REMOVAL TABLE  
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

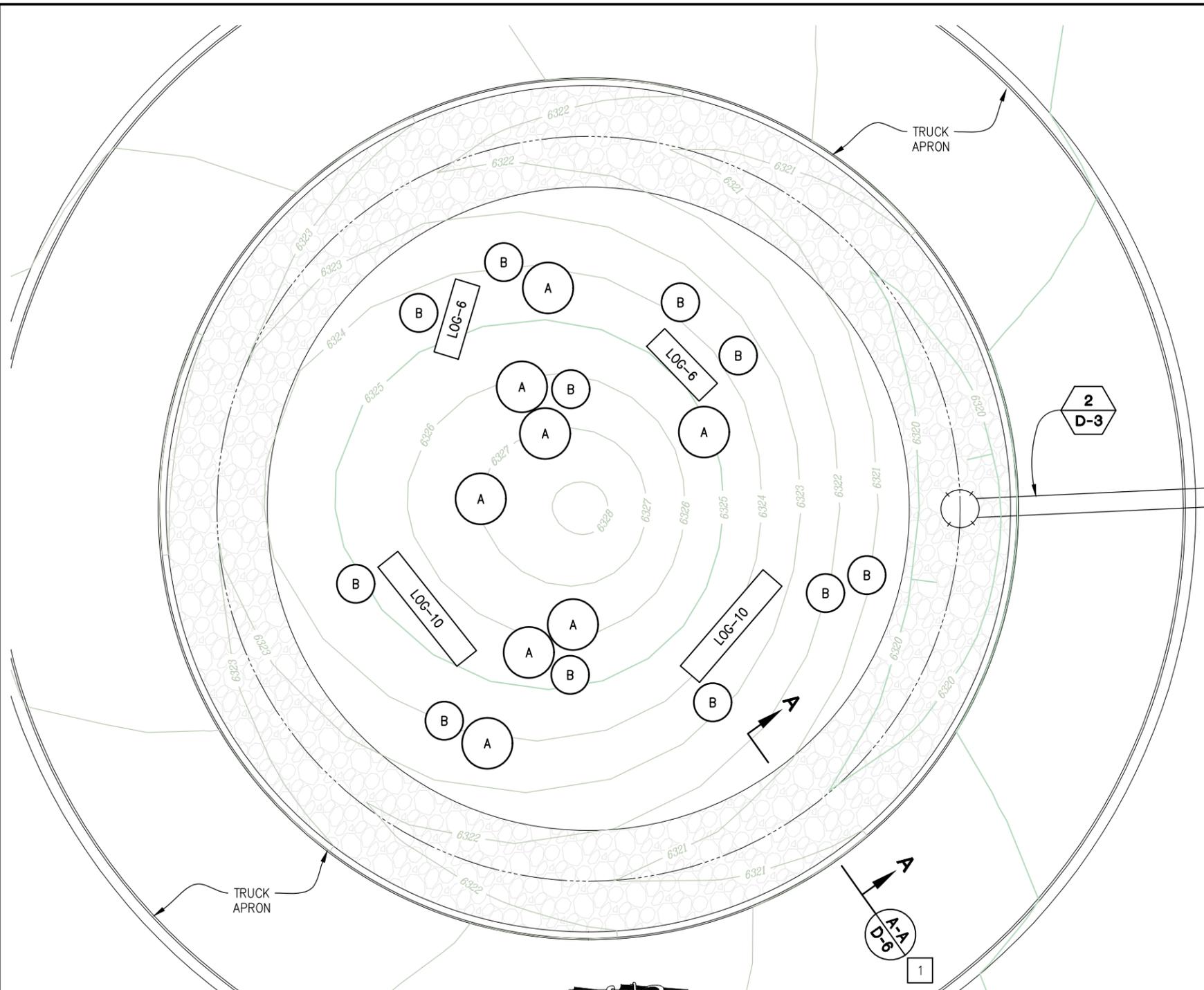
PIONEER TRAIL/US HIGHWAY 50  
INTERSECTION SAFETY  
IMPROVEMENT PROJECT

SHEET  
TR-4  
75 OF 94  
W.O. 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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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

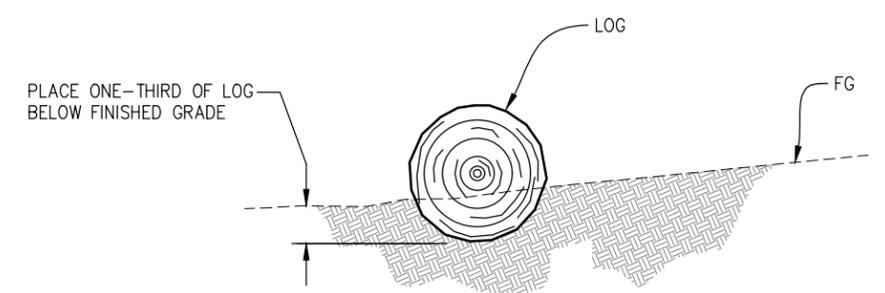


**ROUNDBOUT CENTRAL ISLAND**

SCALE: 1"=5'

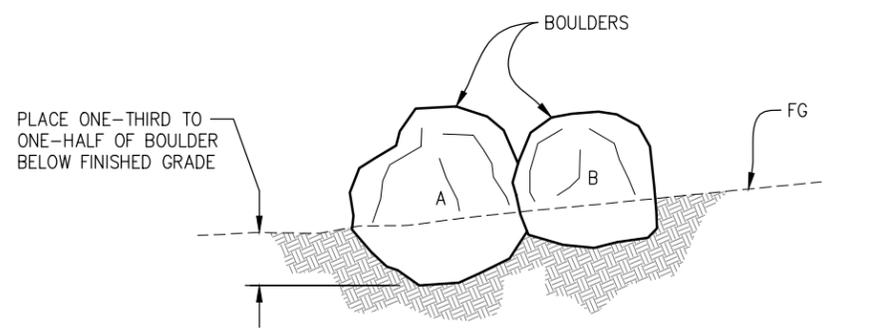
**CONSTRUCTION NOTES:**

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



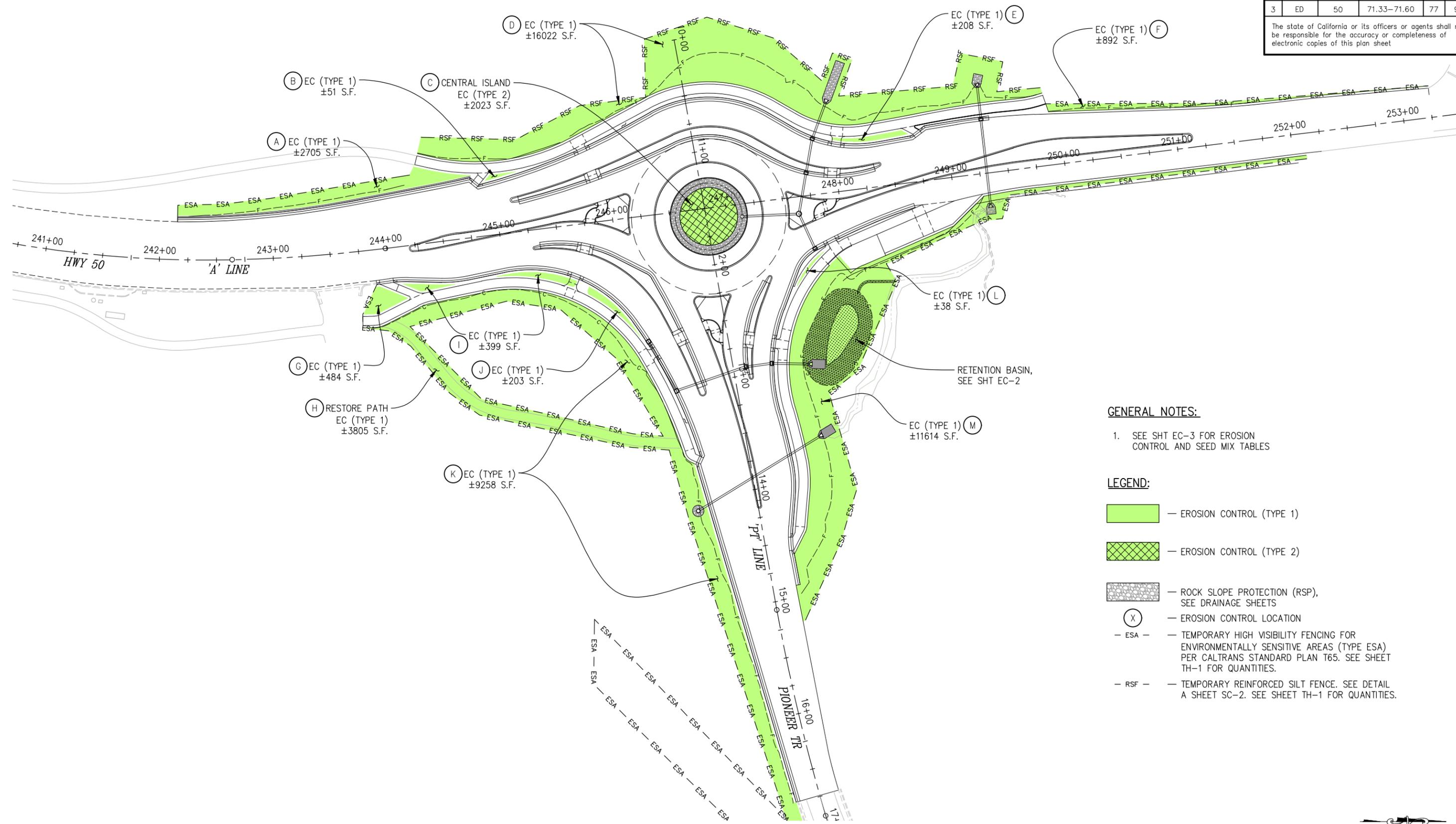
**COUNTY OF EL DORADO DEPARTMENT OF TRANSPORTATION**

**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           |

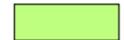
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**GENERAL NOTES:**

- SEE SHT EC-3 FOR EROSION CONTROL AND SEED MIX TABLES

**LEGEND:**

-  — EROSION CONTROL (TYPE 1)
-  — EROSION CONTROL (TYPE 2)
-  — 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.

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Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\EC-Sheets.dwg Layout Tab: EC-1 Dec 29, 2023 1:20pm ksucjyama



THIS PLAN ACCURATE FOR EROSION CONTROL WORK ONLY

**EROSION CONTROL**  
SCALE : 1" = 40'

|                 |       |             |
|-----------------|-------|-------------|
| EFIS 0317000163 | CU XX | EA 03-2H610 |
|-----------------|-------|-------------|

| REVISION | NUMBER | DATE | DESCRIPTION | BY |
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|          |        |      |             |    |



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

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



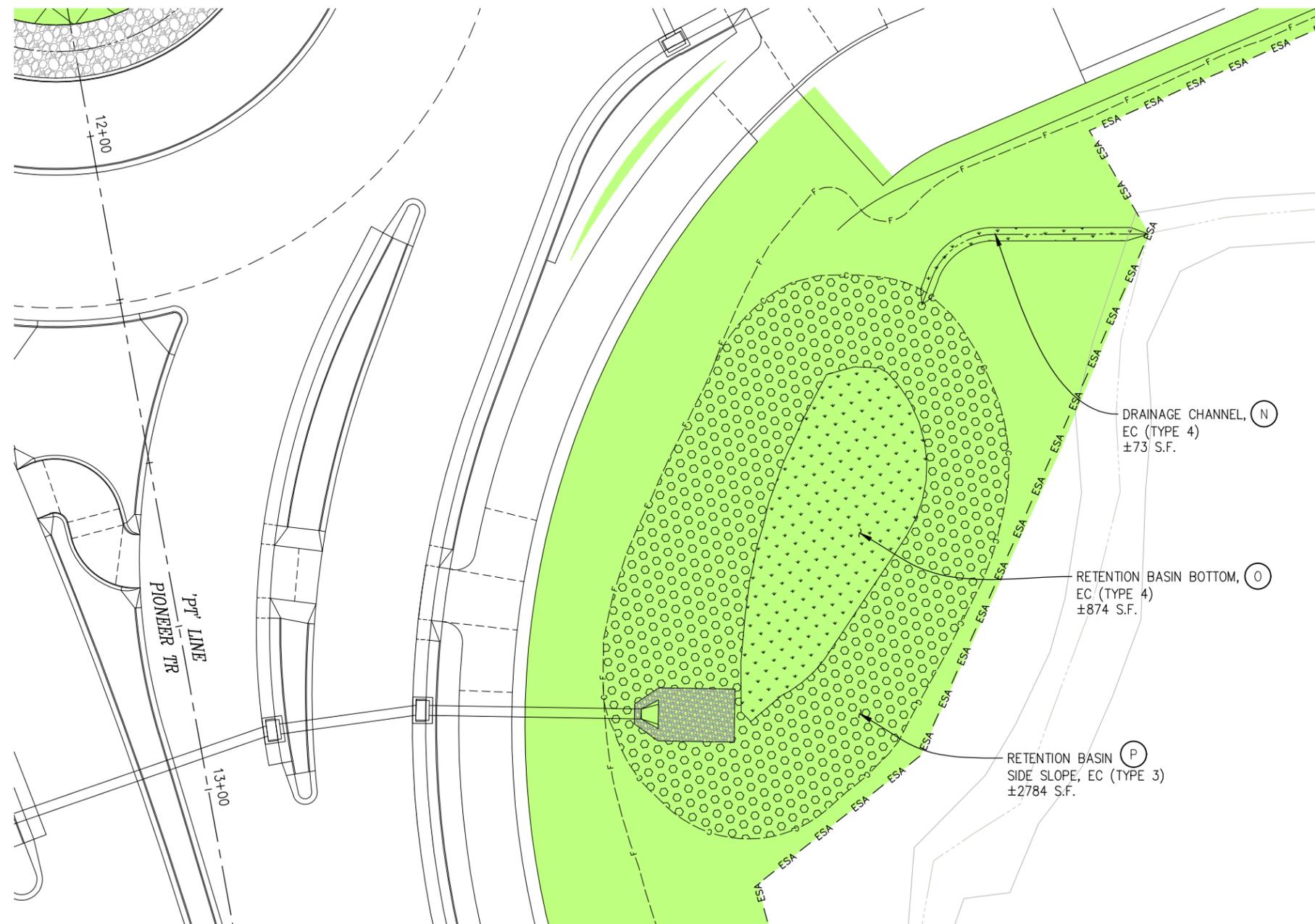
**COUNTY OF EL DORADO**  
**DEPARTMENT OF TRANSPORTATION**

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

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

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

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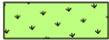
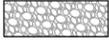
### RETENTION BASIN

SCALE: 1"=10'

#### GENERAL NOTES:

- SEE SHT EC-3 FOR EROSION CONTROL AND SEED MIX TABLES

#### RETENTION BASIN LEGEND:

-  — EROSION CONTROL (TYPE 3)
-  — EROSION CONTROL (TYPE 4)
-  — 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.

**EROSION CONTROL**  
**SCALE : AS SHOWN**

EFIS 0317000163 CU XX EA 03-2H610

THIS PLAN ACCURATE FOR EROSION CONTROL WORK ONLY

| REVISION | NUMBER | DATE | DESCRIPTION | BY |
|----------|--------|------|-------------|----|
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|          |        |      |             |    |
|          |        |      |             |    |



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*[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**

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FOR REDUCED PLANS

| EROSION CONTROL (TYPE 1) |            |             |                     |                  |
|--------------------------|------------|-------------|---------------------|------------------|
| SEQUENCE                 | ITEM       | MATERIAL    |                     | APPLICATION RATE |
|                          |            | DESCRIPTION | TYPE                |                  |
| STEP 1                   | DRY SEED   | SEED        | -                   | 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        | -                   | 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                   | HYDROSEED (SEED MIX 1)                   | SEED        | MIX 1                           | 91.1 LB/ACRE                     |
|                          |  | FERTILIZER  | ORGANIC                         | 1800 LB/ACRE                     |
|                          |  | FIBER       | WOOD                            | 500 LB/ACRE                      |
| STEP 2                   | STRAW                                    | STRAW       | PINE NEEDLES                    | 3.6 TONS/ACRE                    |
| STEP 3                   | ROLLED EROSION CONTROL PRODUCT (NETTING) | NETTING     | TYPE B                          | -                                |
|                          |  | FASTENERS   | 12" METAL STAKE WITH SAFETY CAP | PER MANUFACTURER RECOMMENDATIONS |

| EROSION CONTROL (TYPE 4) |  |                        |                  |                                  |
|--------------------------|--|------------------------|------------------|----------------------------------|
| SEQUENCE                 | ITEM                                     | MATERIAL               |                  | APPLICATION RATE                 |
|                          |  | DESCRIPTION            | TYPE             |                                  |
| STEP 1                   | ROLLED EROSION CONTROL PRODUCT (BLANKET) | TURF REINFORCEMENT MAT | TYPE A           | -                                |
|                          |  | FASTENERS              | 6" BIODEGRADABLE | PER MANUFACTURER RECOMMENDATIONS |
| STEP 2                   | COMPOST (TYPE 2)                         | 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                    |

| HYDROSEED - 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  |
| <b>NOTE:</b><br>SEED SOURCE FROM SIERRA NEVADA SOURCES ABOVE THE 4000 FOOT ELEVATION LEVEL |                               | 91.1   |

| HYDROSEED - 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 (SEDEGE)   | 81                            | 2.3  |
| CAREX UTRICULATA (BEAKED SEDEGE)   | 81                            | 2.3  |
| CAREX NEBRASCENSIS (NEBRASKA SEDEGE)   | 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  |
| <b>NOTE:</b><br>SEED SOURCE FROM SIERRA NEVADA SOURCES ABOVE THE 4000 FOOT ELEVATION LEVEL |                               | 16.5   |

**EROSION CONTROL QUANTITIES**

| LOCATION | TYPE  | EROSION CONTROL |                               |                  |                  |
|----------|-------|-----------------|-------------------------------|------------------|------------------|
|          |       | COMPOST<br>CY   | INCORPORATE MATERIALS<br>SQFT | DRY SEED<br>SQFT | WOOD MULCH<br>CY |
| A        | 1     | -               | -                             | 2705             | 9                |
| B        | 1     | -               | -                             | 51               | 1                |
| C        | 2     | 25              | 2023                          | 2023             | 7                |
| D        | 1     | -               | -                             | 16022            | 50               |
| 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        | 4     | -               | -                             | 73               | -                |
| O        | 4     | -               | -                             | 874              | -                |
| P        | 3     | -               | -                             | 2784             | -                |
|          | TOTAL | 25              | 2023                          | 51403            | 170              |

**ROLLED EROSION CONTROL PRODUCT**

| LOCATION         | EROSION CONTROL TYPE | EROSION CONTROL |                 |
|------------------|----------------------|-----------------|-----------------|
|                  |                      | BLANKET<br>SQFT | NETTING<br>SQFT |
| R (BASIN OUTLET) | 4                    | 73              | -               |
| S (BASIN BOTTOM) | 4                    | 874             | -               |
| T (BASIN SIDES)  | 3                    | -               | 2784            |
|                  | TOTAL                | 947             | 2784            |

THIS PLAN ACCURATE FOR EROSION CONTROL WORK ONLY

**EROSION CONTROL SCALE : NA**

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**

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 SENSORS FORWARDFIRE       |
| MRS S | MICROWAVE RADAR SENSORS SIDEFIRE          |
| MRS A | MICROWAVE RADAR SENSORS 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   |  | NEW TWO SIGNAL HEAD 3 FACE AND ENFORCEMENT SIGNAL TYPE 24-4-100            |
|  | EXISTING WEB RADIO  |  | NEW THREE SIGNAL HEAD 3 FACE AND ENFORCEMENT SIGNAL TYPE 28-5-100 ASSEMBLY |
|  | NEW YAGI ANTENNA  |  | NEW MICROWAVE DETECTION ZONE (SMALL)                                       |
|  | EXISTING YAGI ANTENNA   |  | NEW MICROWAVE DETECTION ZONE (LARGE)                                       |
|  | NEW OMNIDIRECTIONAL ANTENNA   |  | NEW 60' HIGH MAST LOWERABLE CCTV POLE.                                     |
|  | EXISTING OMNIDIRECTIONAL ANTENNA  |  | EXISTING 60' HIGH MAST LOWERABLE CCTV POLE.                                |
|  | NEW RWIS TOWER  |  | NEW 90' HIGH MAST LOWERABLE CCTV POLE.                                     |
|  | EXISTING RWIS TOWER   |  | EXISTING 90' HIGH MAST LOWERABLE CCTV POLE.                                |
|  | NEW DOUBLE DOOR CONTROLLER ASSEMBLY. DOOR INDICATES FRONT OF CABINET                    |  | FOUNDATION TO BE RC BY CONTRACTOR.   |
|  | EXISTING DOUBLE DOOR CONTROLLER ASSEMBLY. DOOR INDICATES FRONT OF CABINET               |  | NEW RWIS SUBSURFACE SENSOR   |
|  | NEW MRS SIDE FIRE   |  | EXISTING RWIS SUBSURFACE SENSOR  |
|  | EXISTING MRS SIDE FIRE  |  | NEW VAULT WITH SPLICE ENCLOSURE  |
|  | NEW MRS ANGLE FIRE  |  | EXISTING VAULT WITH SPLICE ENCLOSURE                                       |
|  | EXISTING MRS ANGLE FIRE   |  | NOTE TEMPLATE BOX.   |
|  | NEW MRS FORWARD FIRE  |  | OVERHEAD BUNDLE WITH SIGNAL FACES.   |
|  | 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                                     |  |  |

**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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*[Signature]*  
PROFESSIONAL LAND SURVEYOR  
DATE: 12/29/2023

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



COUNTY OF EL DORADO  
DEPARTMENT OF TRANSPORTATION

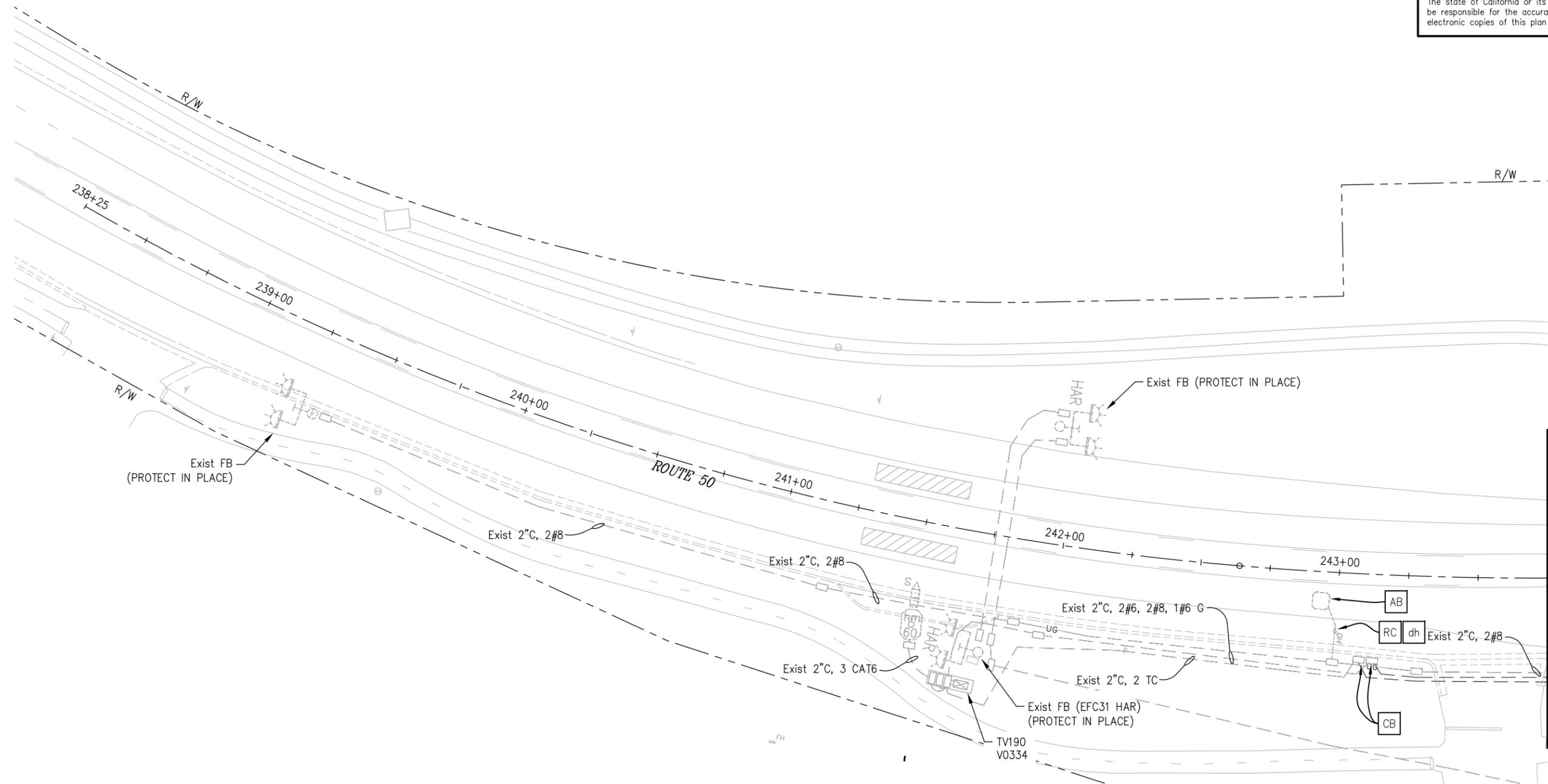
PIONEER TRAIL/US HIGHWAY 50  
INTERSECTION SAFETY IMPROVEMENT  
PROJECT

|          |      |
|----------|------|
| SHEET    | E-1  |
| 80 OF 94 |      |
| W.O. No. | 7614 |

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-1 Jan 11, 2024 11:29am Dharrington

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

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**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 Jan 11, 2024 - 11:30am Dharrington



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

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

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DATE: 12/29/2023  
ROAD NUMBER: 114



**COUNTY OF EL DORADO  
DEPARTMENT OF TRANSPORTATION**

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

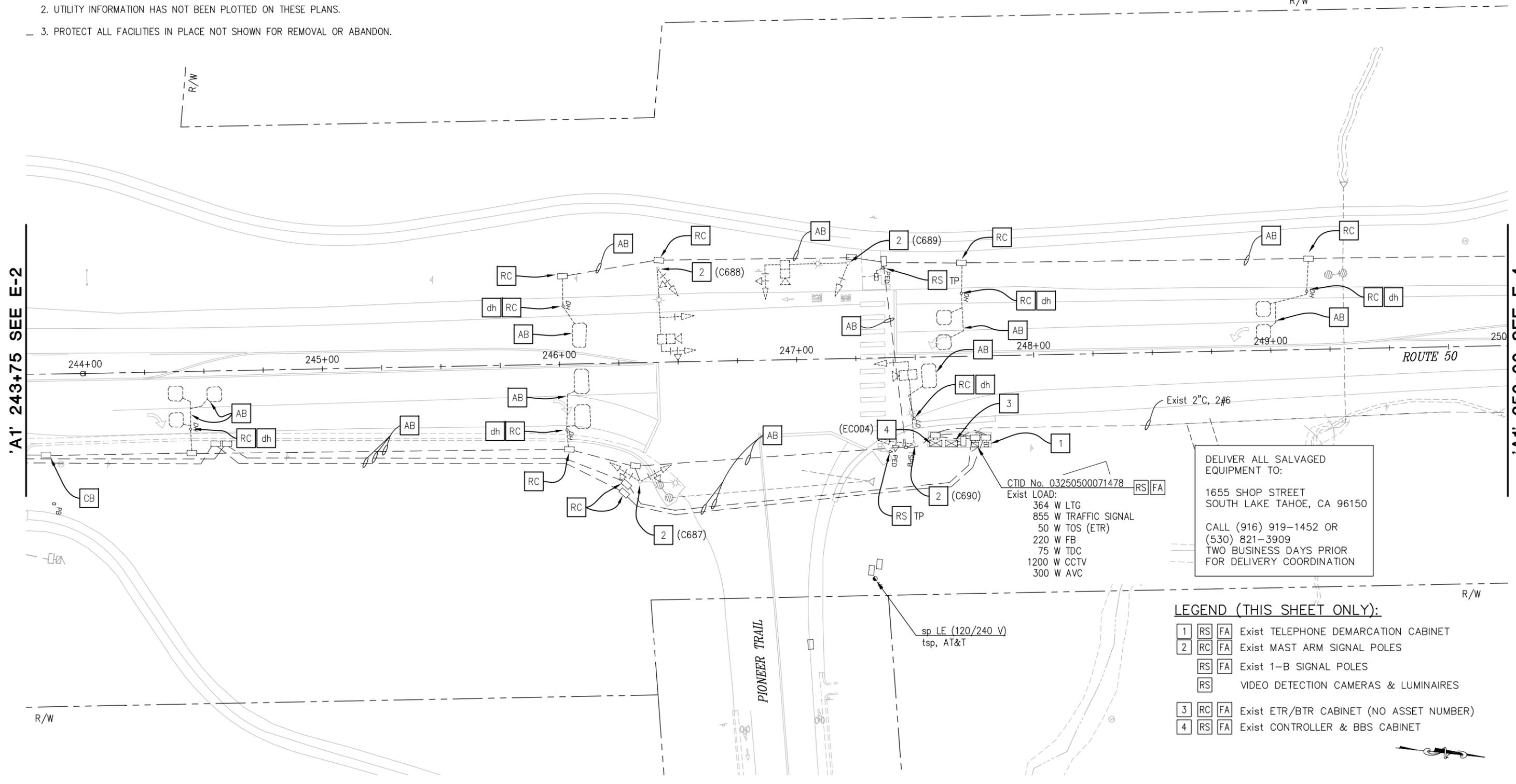
SHEET  
**E-2**  
81 OF 94  
W.O. No.  
**7614**

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

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- NOTES:**
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ORIGINAL SCALE IS IN INCHES  
FOR REDUCED PLANS  
Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\E-Sheets.dwg Layout Tab: E-3 Jan 11, 2024 - 11:30am Dharrington



- 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

| REVISION | NUMBER | DATE | DESCRIPTION | BY |
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DATE: 12/29/2023  
ROAD NUMBER: 114



**COUNTY OF EL DORADO  
DEPARTMENT OF TRANSPORTATION**

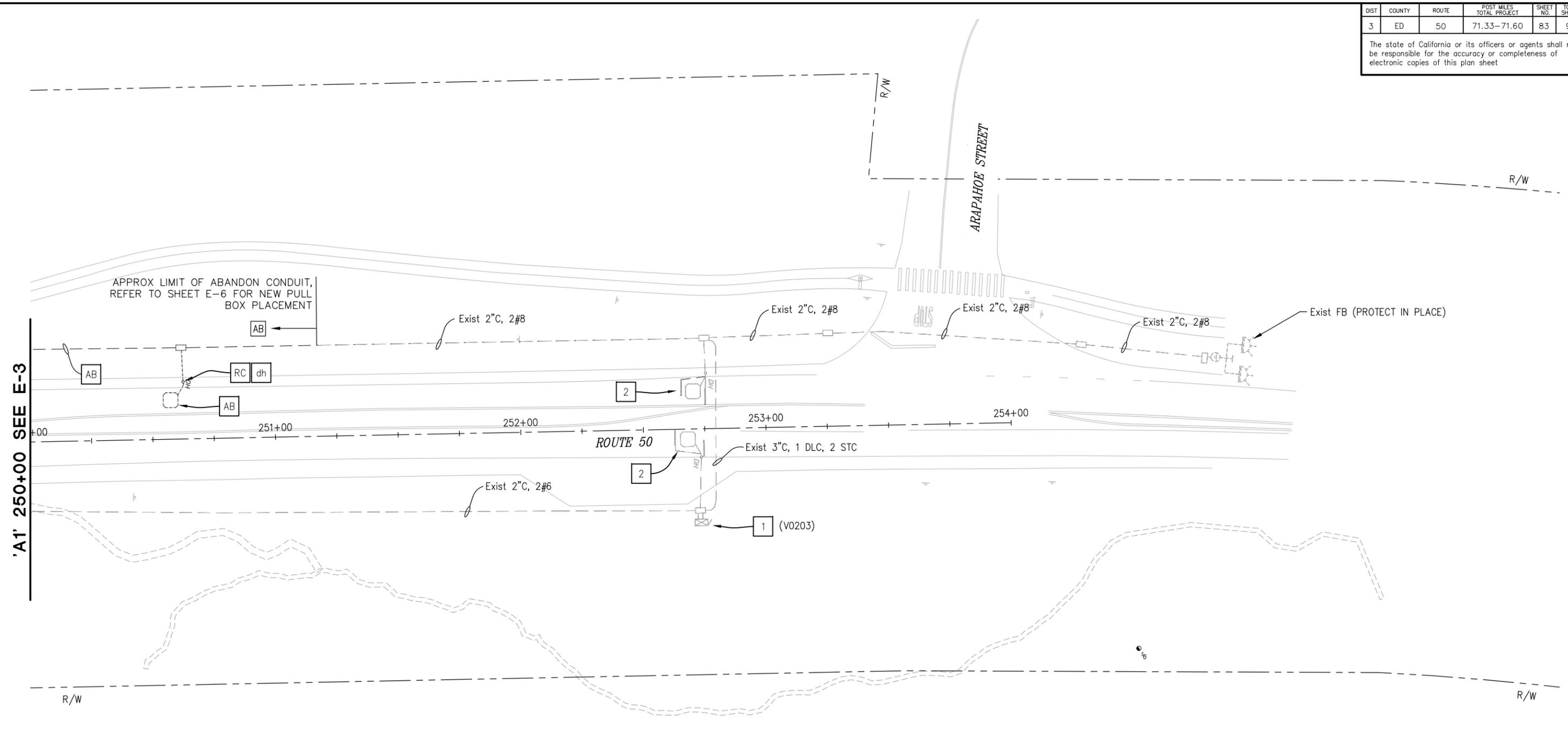
**PIONEER TRAIL/US HIGHWAY 50  
INTERSECTION SAFETY IMPROVEMENT  
PROJECT**

SHEET  
**E-3**  
82 OF 94  
W.G. 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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Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\E-Sheets.dwg Layout Tab: E-4 Jan 11, 2024 - 11:31am Dharrington



'A1' 250+00 SEE E-3

**NOTES:**

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**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 |
|----------|--------|------|-------------|----|
|          |        |      |             |    |



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CHECKED: ---  
DATE: 12/29/2023  
ROAD NUMBER: 114



**COUNTY OF EL DORADO  
DEPARTMENT OF TRANSPORTATION**

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

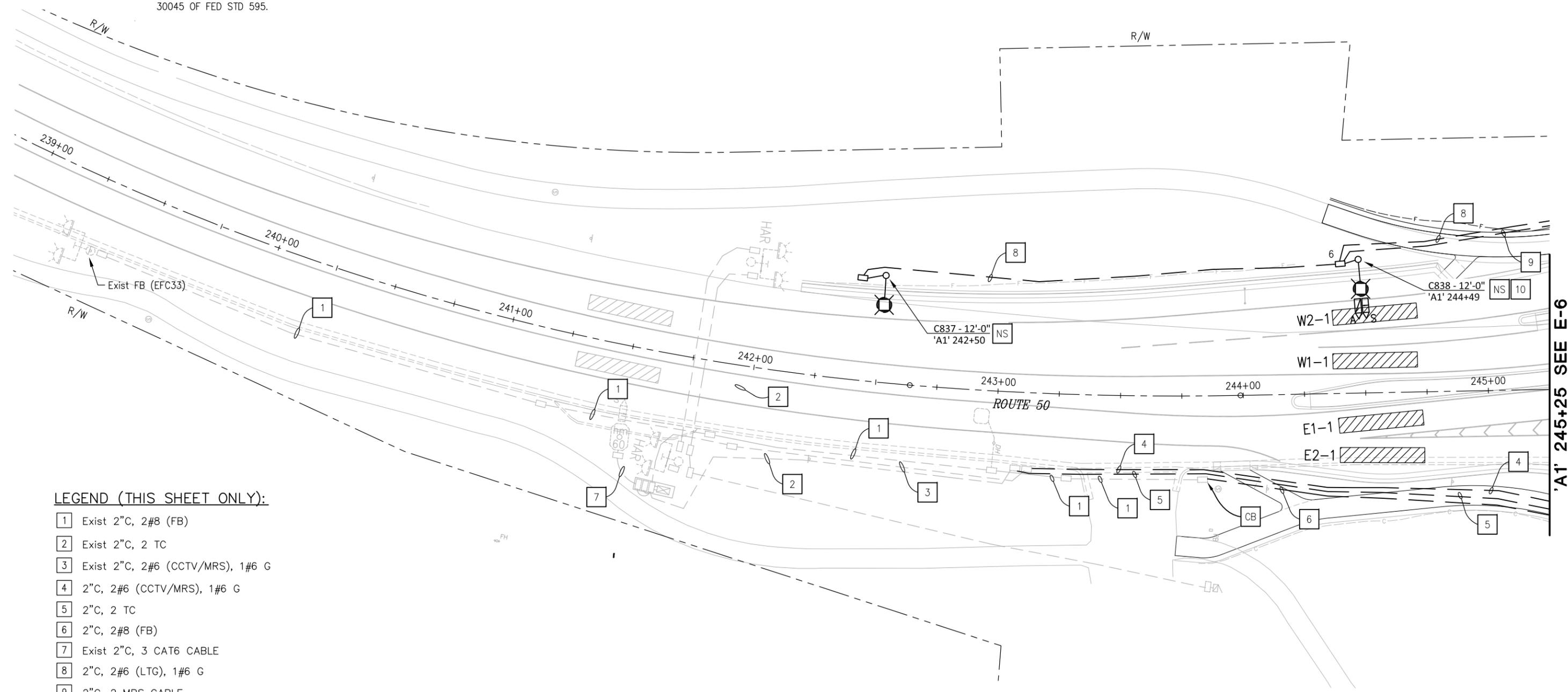
SHEET  
**E-4**  
83 OF 94  
W.O. No.  
**7614**

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

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**NOTES:**

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- 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  
FOR REDUCED PLANS  
Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\E-Sheets.dwg Layout Tab: E-5 Jan 11, 2024 - 11:31am 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 |
|----------|--------|------|-------------|----|
|          |        |      |             |    |



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CHECKED: ---  
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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           |

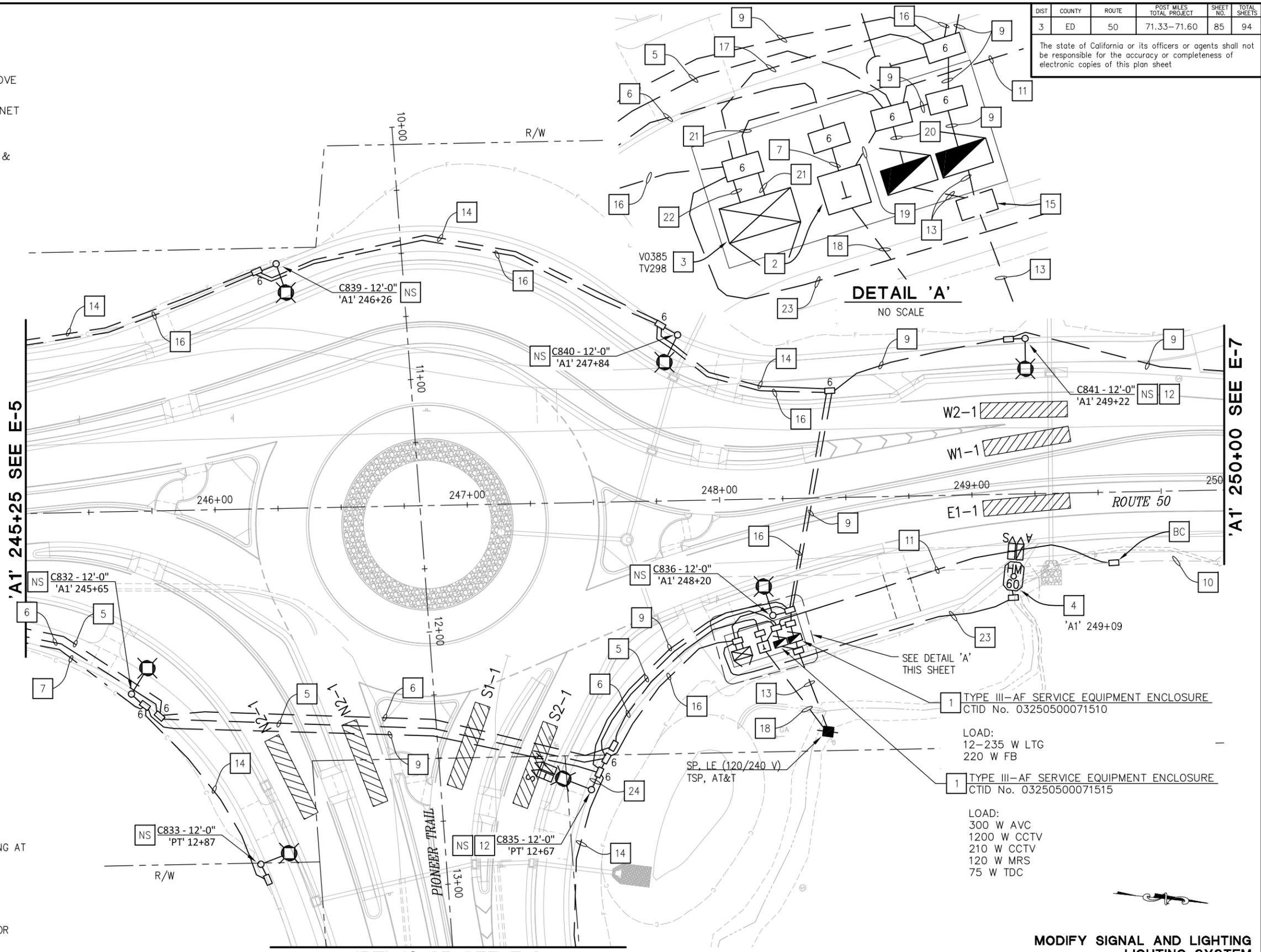
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**LEGEND (THIS SHEET ONLY):**

- 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, 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:**

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- 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

- 1 TYPE III-AF SERVICE EQUIPMENT ENCLOSURE  
CTID No. 03250500071510  
LOAD:  
12-235 W LTG  
220 W FB
- 1 TYPE III-AF SERVICE EQUIPMENT ENCLOSURE  
CTID No. 03250500071515  
LOAD:  
300 W AVC  
1200 W CCTV  
210 W CCTV  
120 W MRS  
75 W TDC

'PT' 13+25 SEE E-8

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

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

ORIGINAL SCALE IS IN INCHES  
Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD\Files\Sheets\E-Sheets.dwg  
Layout Tab: E-6 Jan 11, 2024 11:32am Dharrington

| REVISION | NUMBER | DATE | DESCRIPTION | BY |
|----------|--------|------|-------------|----|
|          |        |      |             |    |



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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**

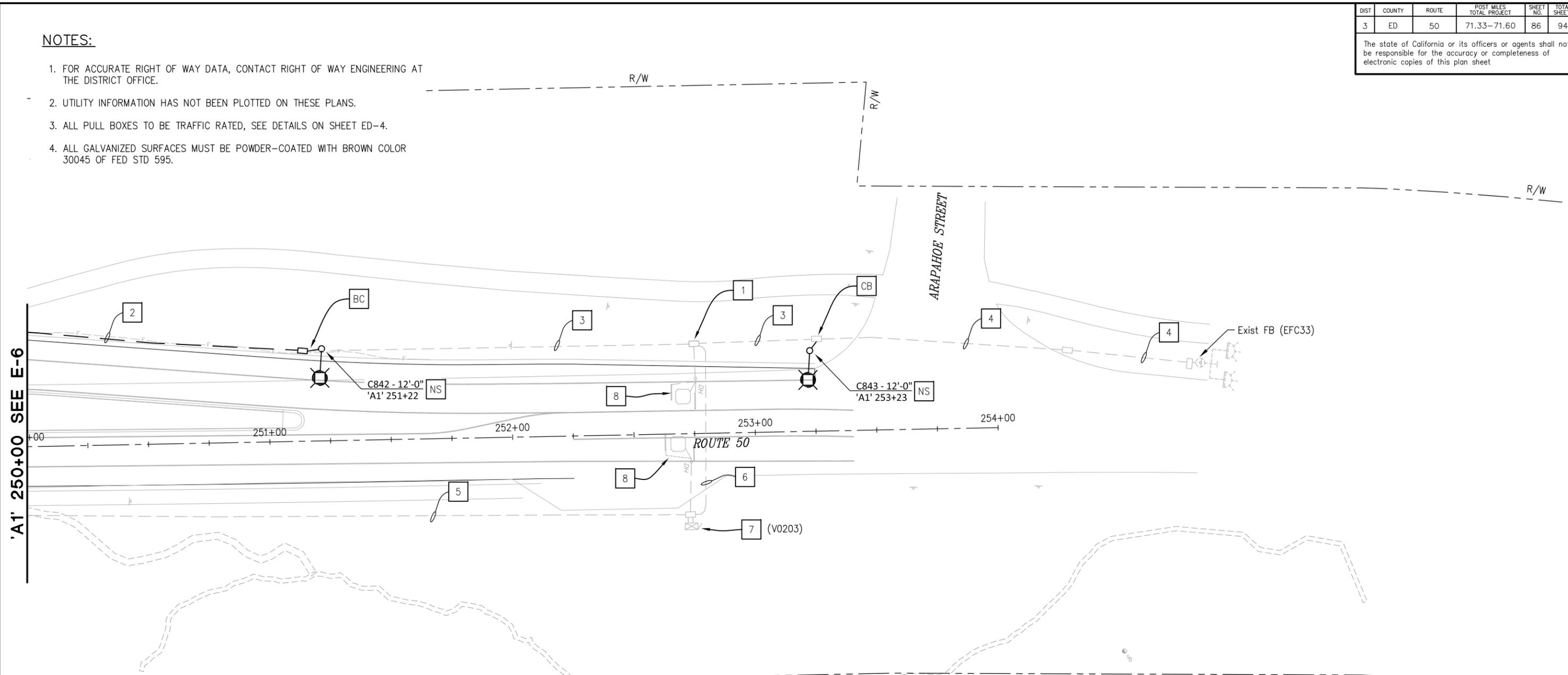
| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 3    | ED     | 50    | 71.33-71.60              | 86        | 94           |

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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-7 Jan 11, 2024 - 11:32am Dharrington  
FOR REDUCED PLANS



**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

| REVISION | NUMBER | DATE | DESCRIPTION | BY |
|----------|--------|------|-------------|----|
|          |        |      |             |    |



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DATE: 12/29/2023  
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**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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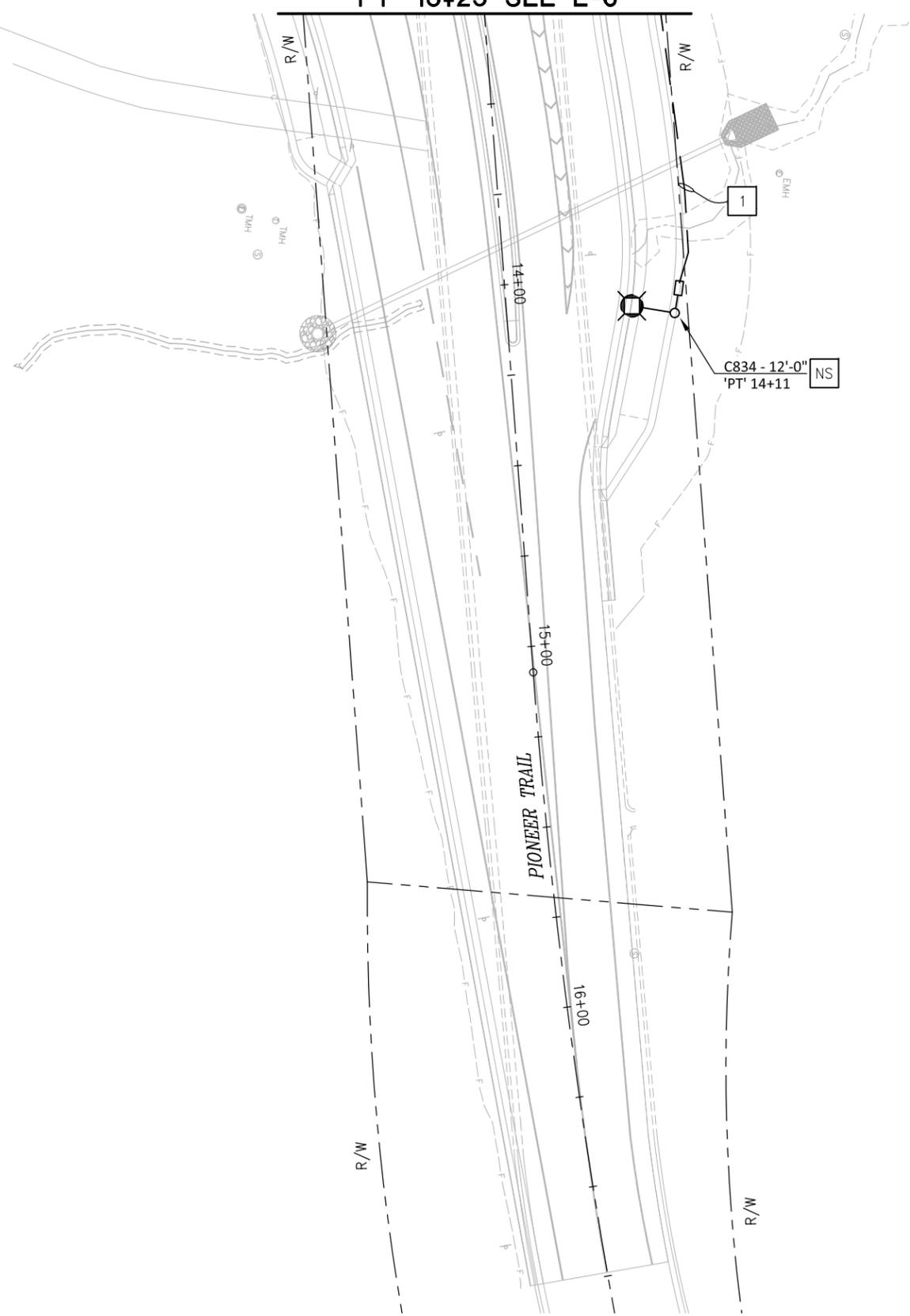
'PT' 13+25 SEE E-6

NOTES:

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LEGEND (THIS SHEET ONLY):

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



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Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\E-Sheets.dwg Layout Tab: E-8 Jan 11, 2024 11:32am Dharrington  
FOR REDUCED PLANS



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 |
|----------|--------|------|-------------|----|
|          |        |      |             |    |



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ROAD NUMBER: 114



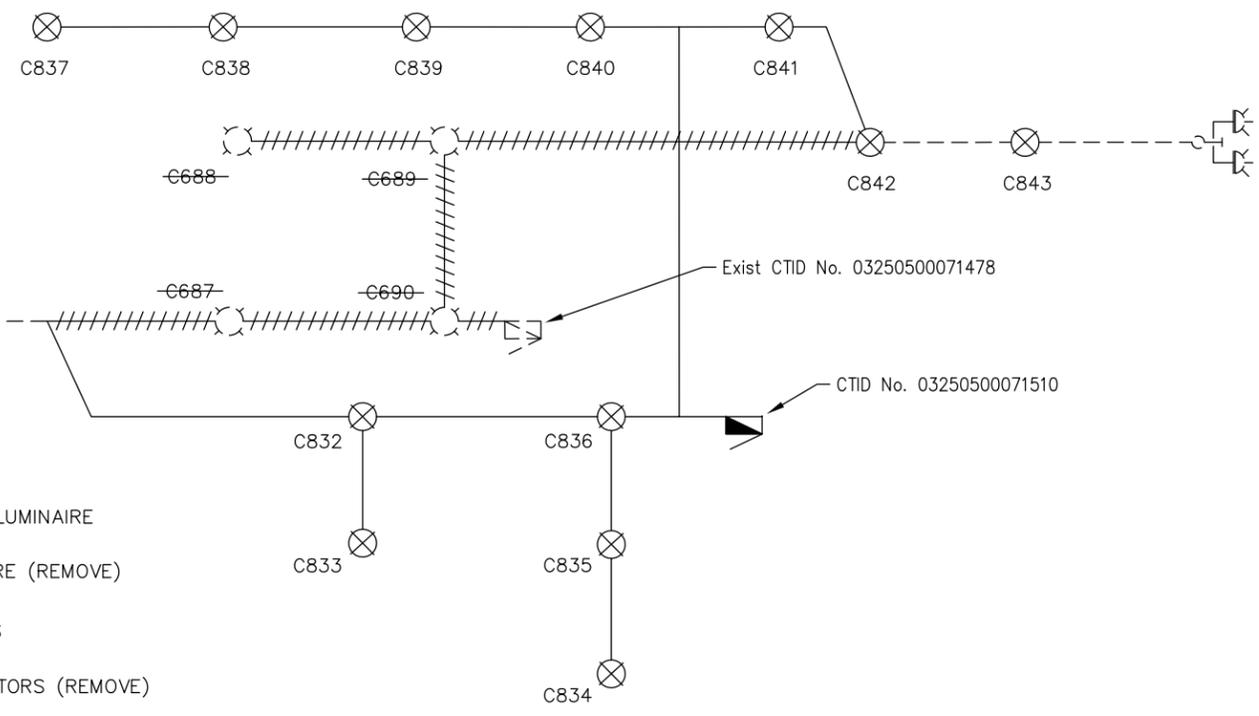
COUNTY OF EL DORADO  
DEPARTMENT OF TRANSPORTATION

PIONEER TRAIL/US HIGHWAY 50  
INTERSECTION SAFETY IMPROVEMENT  
PROJECT

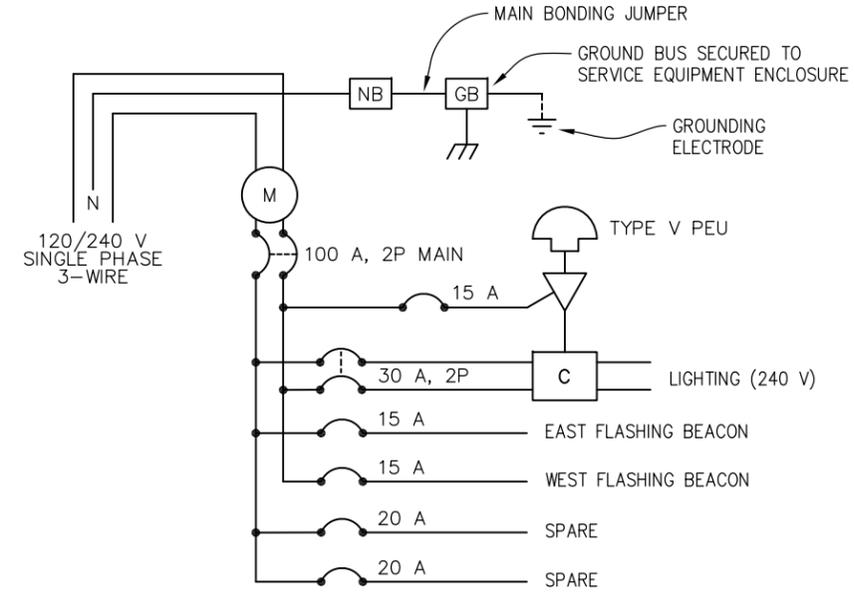
SHEET  
**E-8**  
87 OF 94  
W.O. No.  
**7614**

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

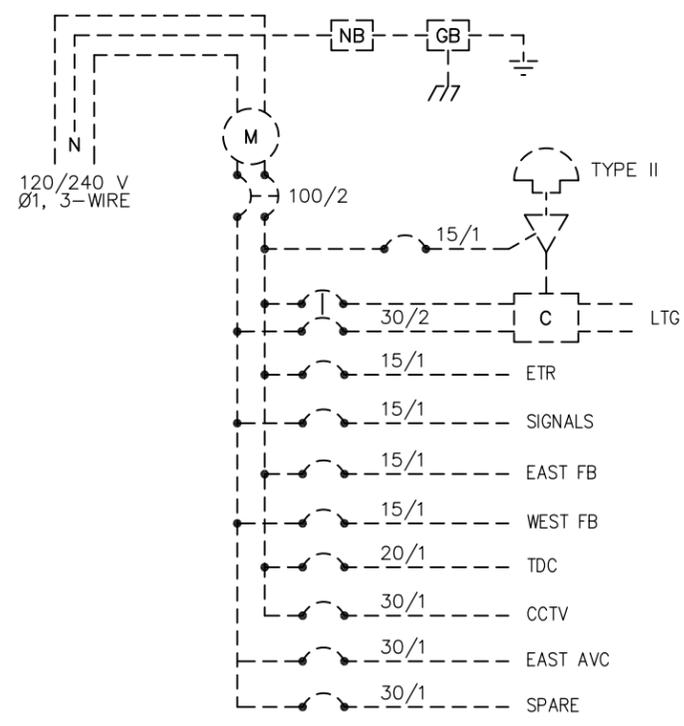
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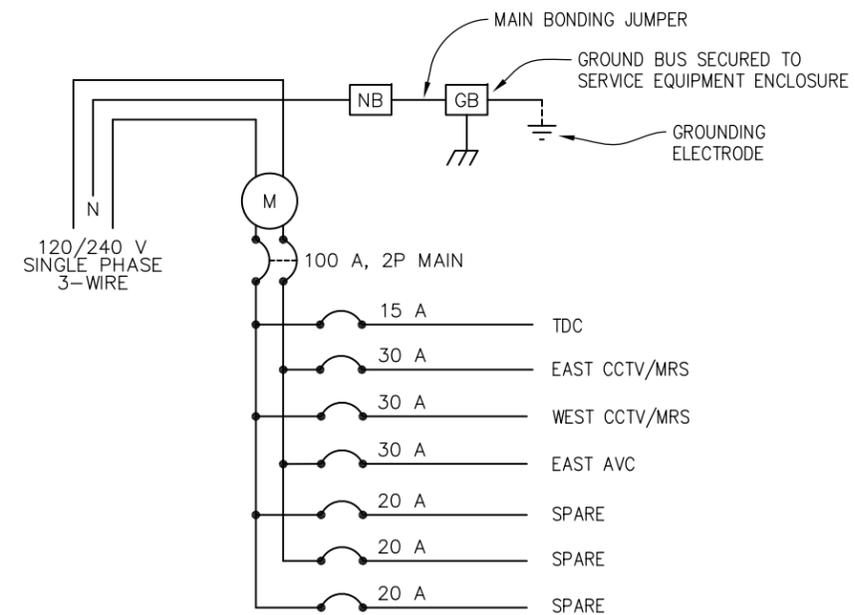
**MODIFIED LIGHTING CIRCUIT DIAGRAM**  
CTID No. 03250500071510



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



**Exist SERVICE WIRING DIAGRAM**  
CTID No. 03250500071478



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

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

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

**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-1 Jan 11, 2024 - 11:33am Dharrington

| REVISION | NUMBER | DATE | DESCRIPTION | BY |
|----------|--------|------|-------------|----|
|          |        |      |             |    |



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*[Signature]*  
PROFESSIONAL LAND SURVEYOR  
DATE: 12/29/2023

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DATE: 12/29/2023  
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**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**

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### 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<br>V0334 | 4091<br>4092 | CCTV<br>MRS        | S<br>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<br>BEACON | F           | E-5       | MODIFY        | 03250500071510 | NEMA 3R      | Z             | 110               | TYPE 15<br>FBS | 38.857467        | -120.012105       | CONVERT FLASHING BEACON FROM SIGNAL AHEAD TO ROUNDABOUT AHEAD AND MOVE TO NEW CTID WITH NEW ASSET NUMBER |
| TV298<br>V0385 | 4740<br>5120 | CCTV<br>MRS        | S<br>V      | E-6       | NEW           | 03250500071515 | 344LX        | N             | 370               | HM-60          |                  |                   |  |
| EFC33          | N/A          | FLASHING<br>BEACON | F           | E-7       | MODIFY        | 03250500071510 | NEMA 3R      | Z             | 110               | TYPE 15<br>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

ORIGINAL SCALE IS IN INCHES  
Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\E-Sheets.dwg Layout Tab: ED-2 Jun 11, 2024 - 11:33am Dharrington

| REVISION | NUMBER | DATE | DESCRIPTION | BY |
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|          |        |      |             |    |
|          |        |      |             |    |
|          |        |      |             |    |
|          |        |      |             |    |



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*[Signature]*  
PROFESSIONAL LAND SURVEYOR  
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.
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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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Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\E-Sheets.dwg Layout Tab: ED-3 Jun 11, 2024 - 11:34am Dharrington

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| REVISION | NUMBER | DATE | DESCRIPTION | BY |
|----------|--------|------|-------------|----|
|          |        |      |             |    |



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*[Signature]*  
PROFESSIONAL LAND SURVEYOR  
DATE: 12/29/2023

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



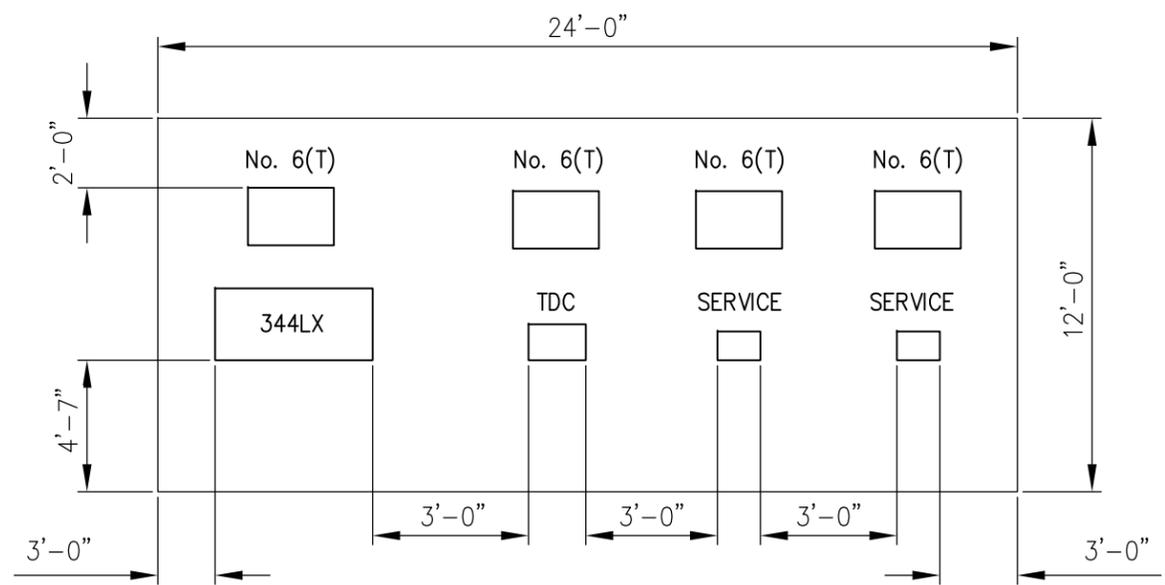
COUNTY OF EL DORADO  
DEPARTMENT OF TRANSPORTATION

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           |

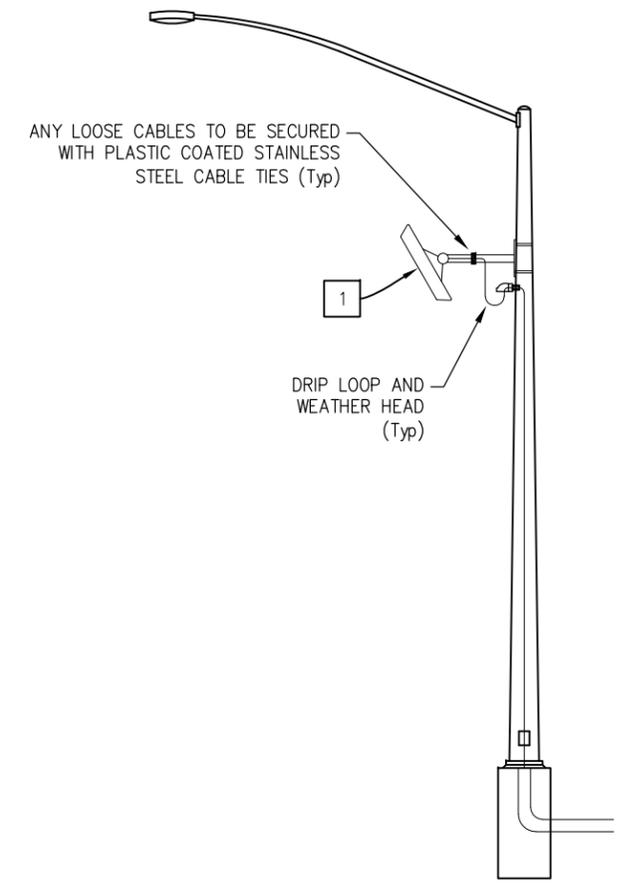
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**CABINET FOUNDATION PAD DETAIL**

**FOUNDATION NOTES:**

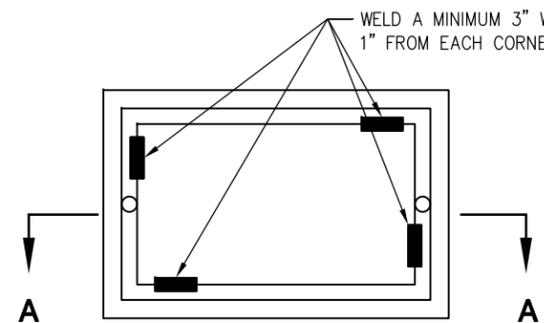
1. FOR ADDITIONAL DETAILS, SEE STANDARD PLANS ES-2D, ES-3C1, AND ES-3E.



**MRS MOUNTING ON TYPE 21 STANDARD**

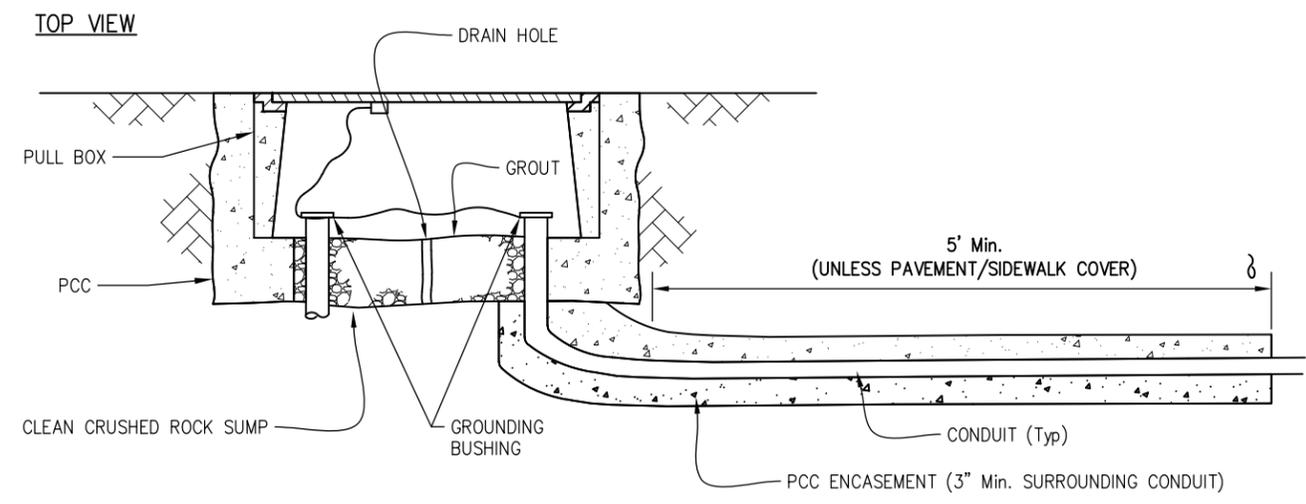
**LEGEND: (THIS SHEET ONLY)**

| ITEM # | DESCRIPTION              | HEIGHT | WIDTH | DEPTH | WEIGHT | CABLE HOLE SIZE  |
|--------|--------------------------|--------|-------|-------|--------|------------------|
| 1      | MRS SIDEFIRE / ANGLEFIRE | 14"    | 15"   | 17"   | 15 LBS | 1" THREADED HOLE |



**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.



**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

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Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Files\Sheets\E-Sheets.dwg Layout Tab: ED-4 Jun 11, 2024 - 11:34am Dharrington

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*Justin W. Harrington*  
PROFESSIONAL LAND SURVEYOR  
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**

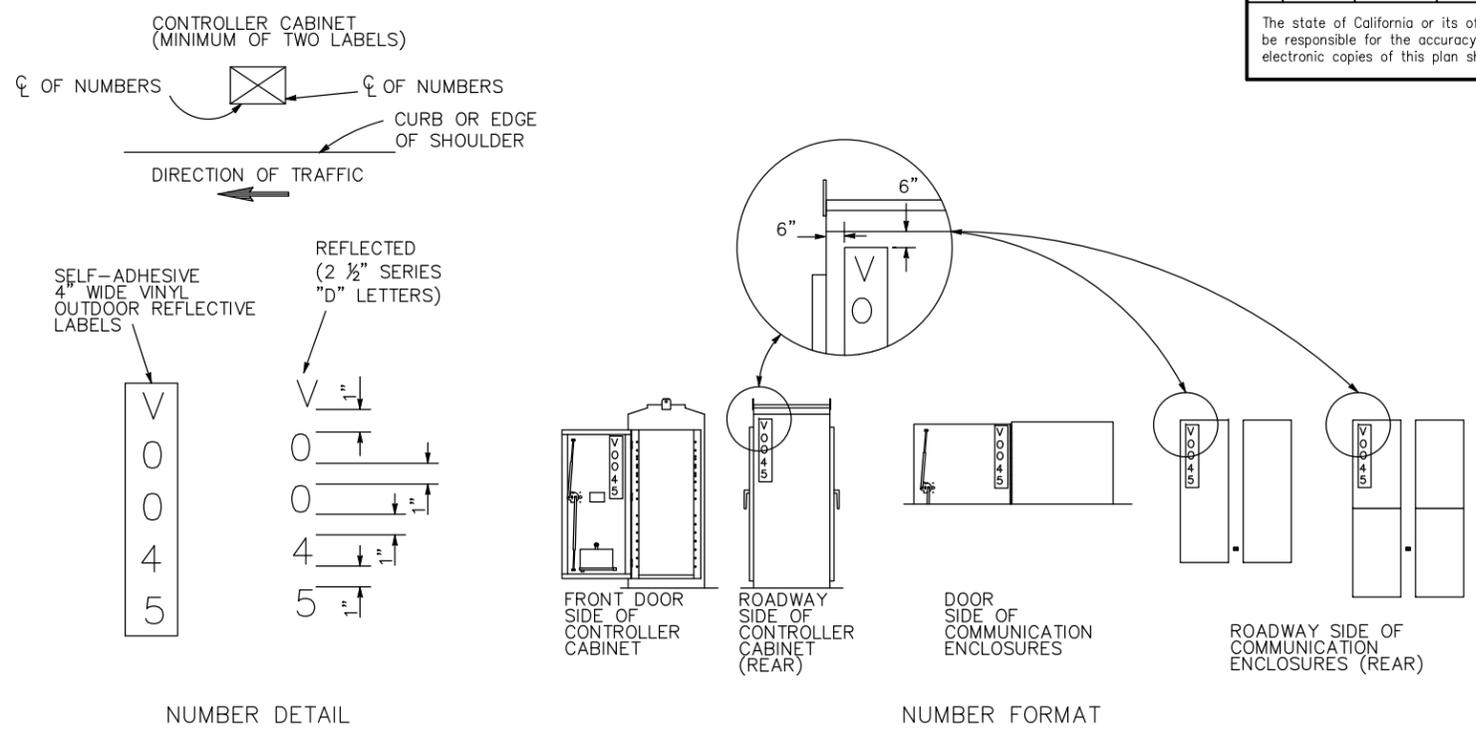
SHEET  
**ED-4**  
91 OF 94  
W.O. No.  
**7614**

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

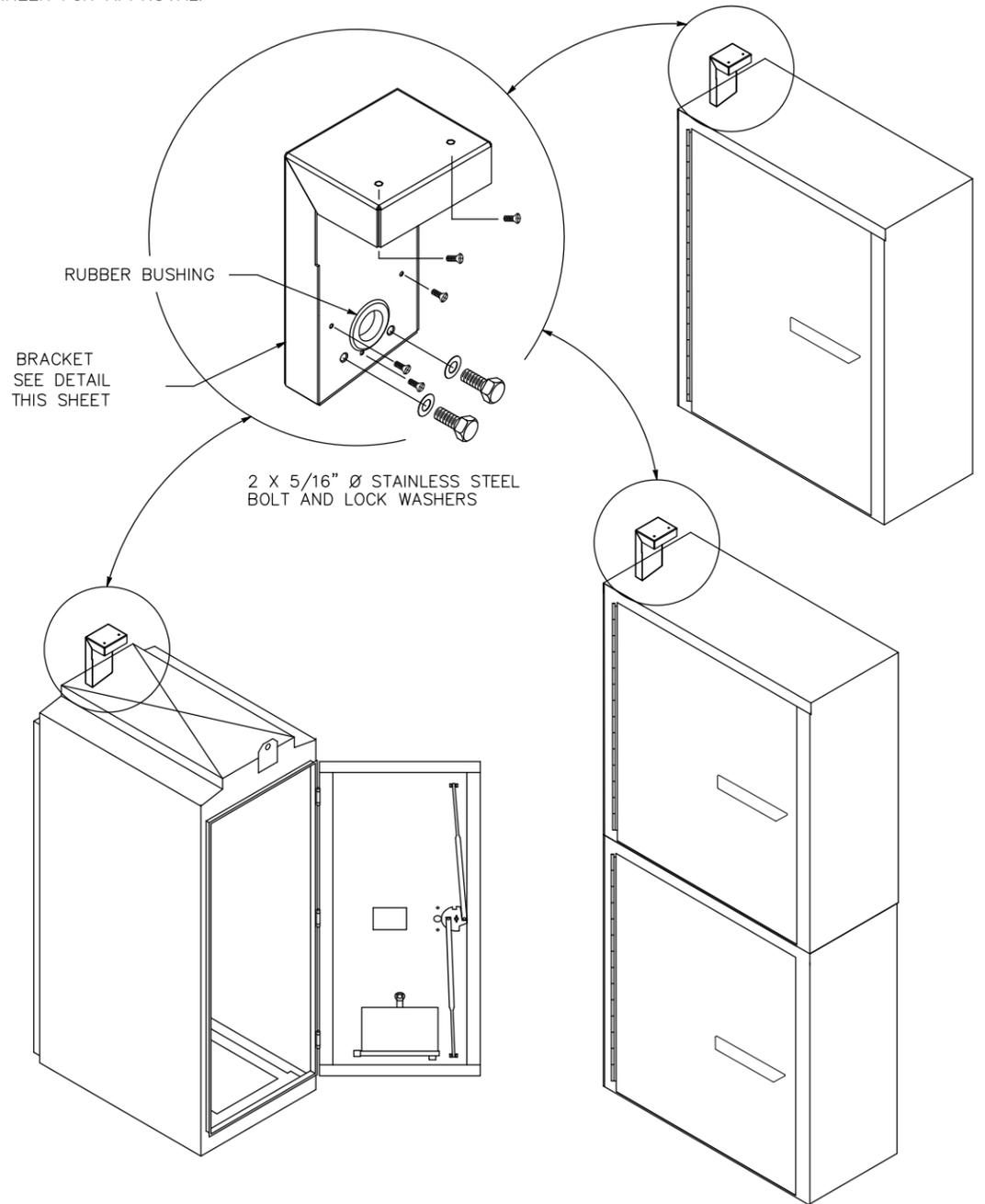
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**NOTES:**

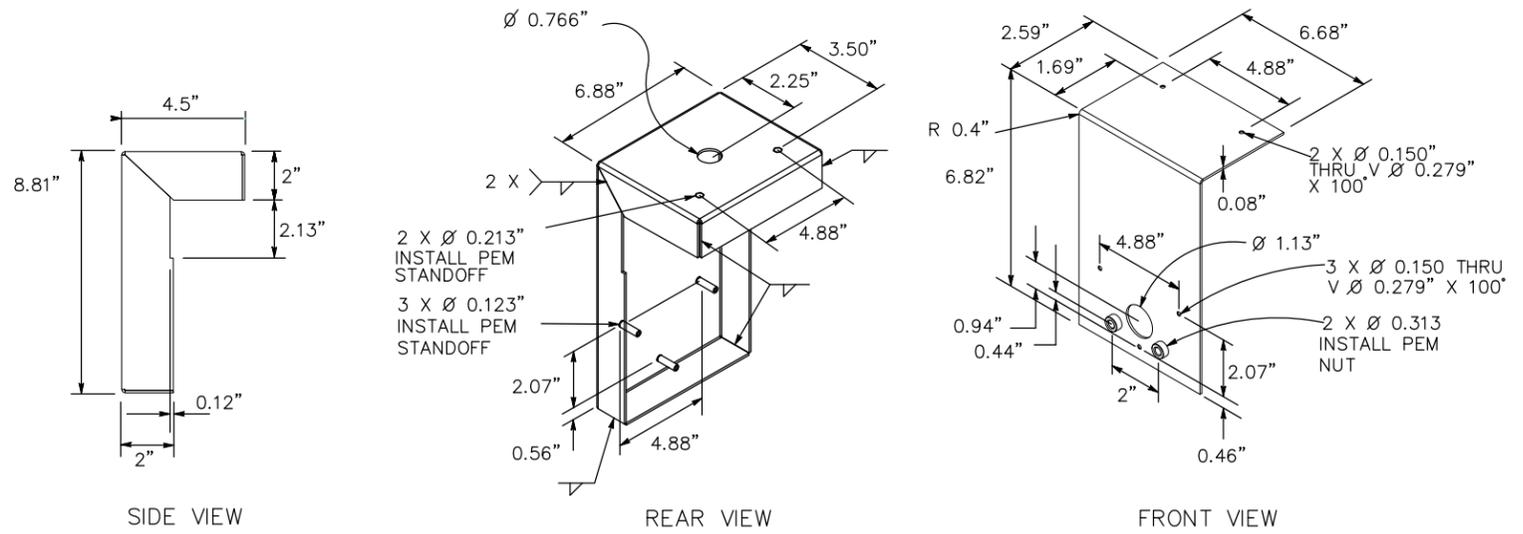
- LABELS INCLUDE CABINET OR ENCLOSURE NAMES, IMMS NUMBERS, CABINET QR CODES, CENSUS NAMES, AND TOS IDS AS DETAILED IN THE PLAN SHEETS AND OBTAINED BY THE DEPARTMENT ENGINEER.
- CABINET NAME LABELS ARE 4"W x 18"L IN HORIZONTAL ORIENTATION.
- TOS ID LABELS ARE 4"W x 3"L IN HORIZONTAL ORIENTATION.
- ALL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



**LOCATION OF EQUIPMENT NUMBERS ON CABINET**



**ANTENNA BRACKET MOUNTING DETAIL**



**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 Jun 11, 2024 - 11:35am Dharrington

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PROFESSIONAL LAND SURVEYOR  
DATE: 12/29/2023

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DATE: 12/29/2023  
ROAD NUMBER: 114



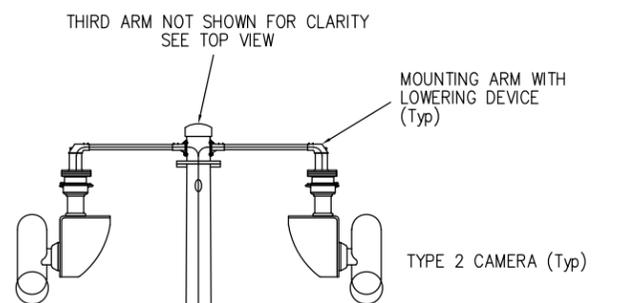
**COUNTY OF EL DORADO DEPARTMENT OF TRANSPORTATION**

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

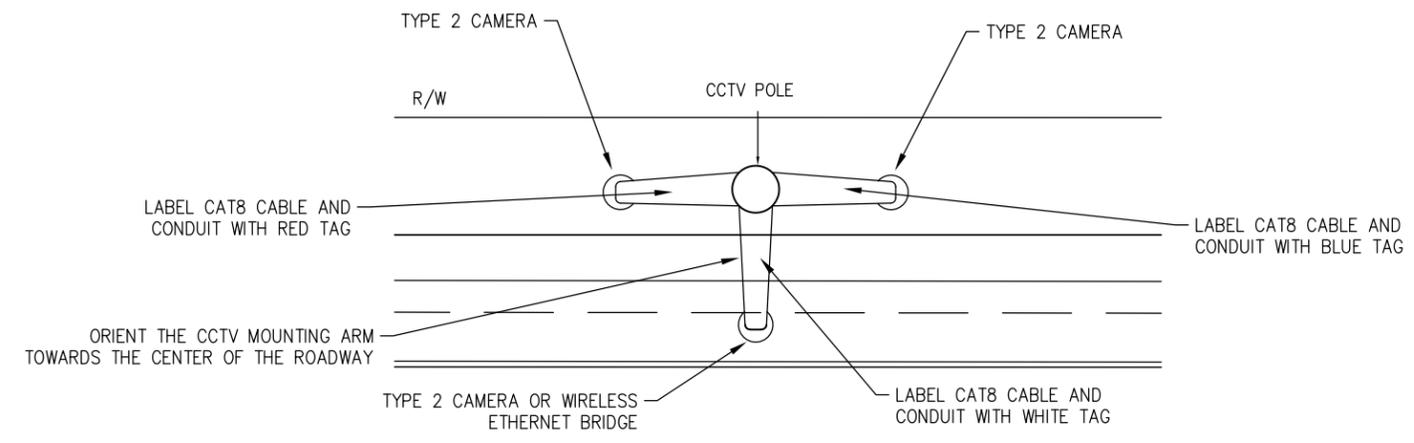
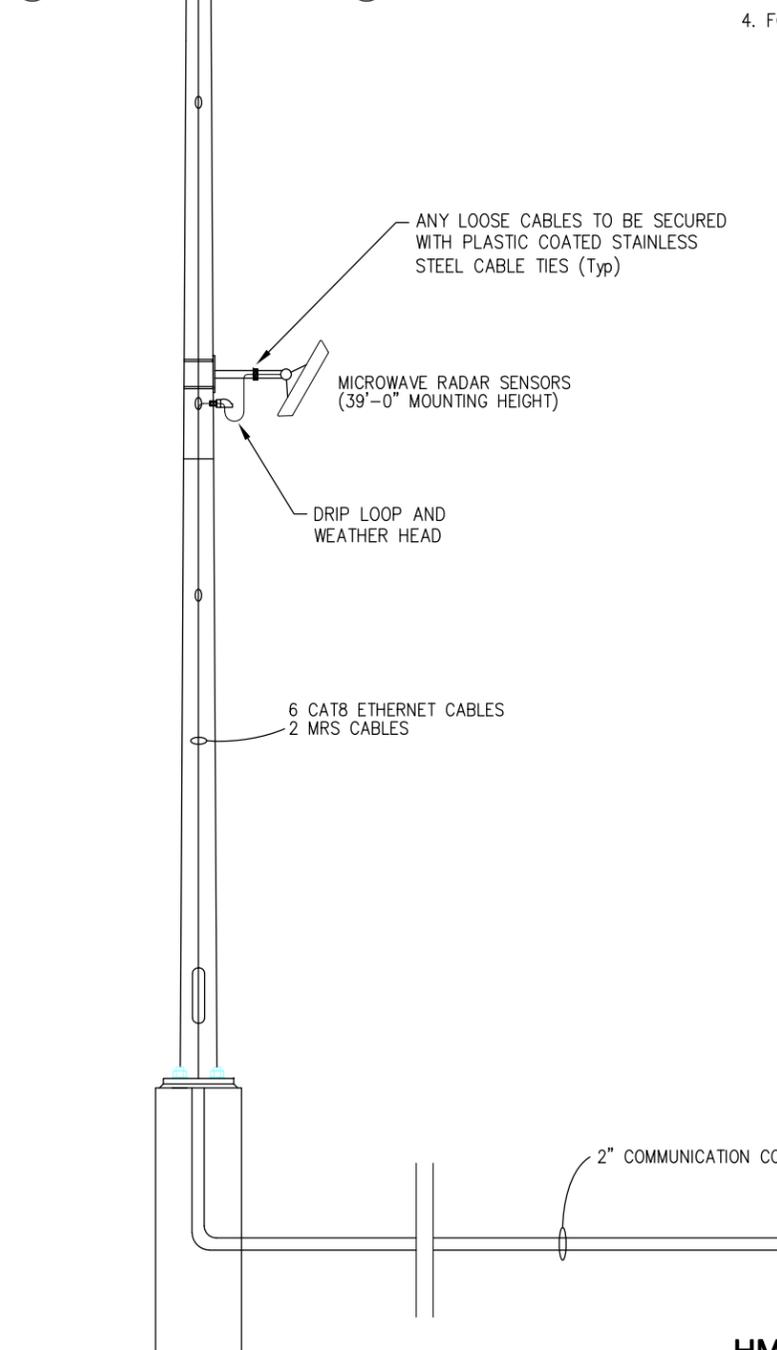
SHEET  
**ED-5**  
92 OF 94  
W.O. No. **7614**

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

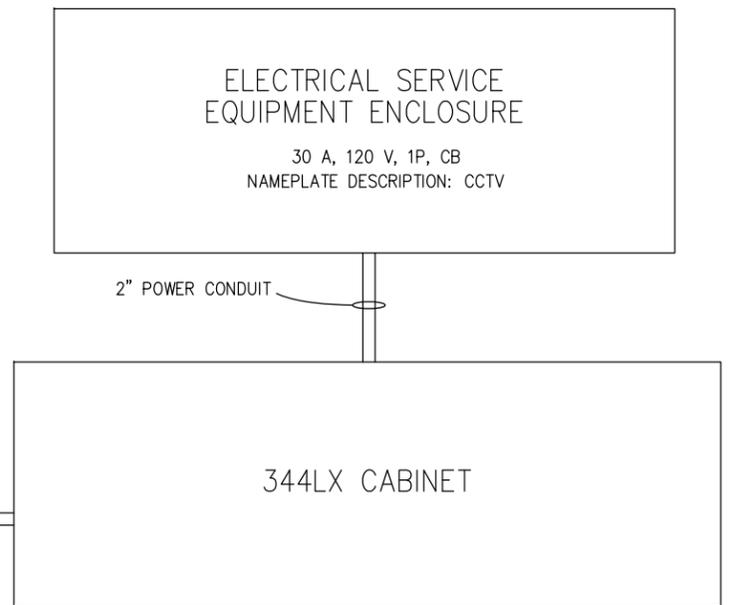
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- NOTES:**
- PULL BOXES NOT SHOWN. SEE ELECTRICAL PLANS.
  - WHEN A COMMUNICATION ENCLOSURE IS NOT USED, THE POE CLOSED CIRCUIT TELEVISION IP CAMERA SYSTEM CAT8 CABLES AND MRS CABLE MUST BE UN CUT AND UNSPLICED FROM THE TOP OF THE POLE TO THE MODEL 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.



**CCTV POLE ORIENTATION**  
TOP VIEW



**HM60 CCTV / 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 Jun 11, 2024 - 11:36am Dharrington



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|          |        |      |             |    |



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*[Signature]*  
PROFESSIONAL LAND SURVEYOR  
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):**

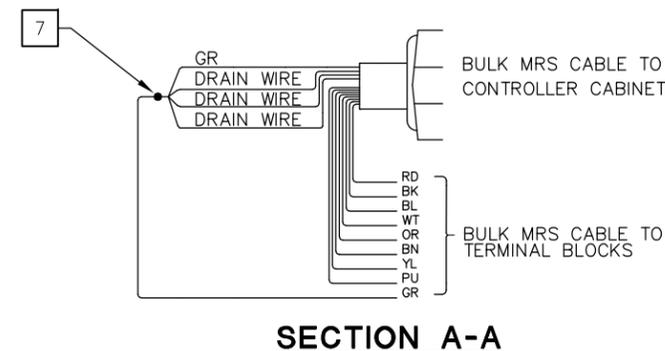
1. ALL MOUNTING HARDWARE WILL BE STAINLESS STEEL UNLESS OTHERWISE SHOWN.
2. THE CONTRACTOR MUST SUBMIT A PROTOTYPE OF THE EQUIPMENT INSTALLATION INSIDE THE PANEL TO THE ENGINEER FOR APPROVAL.
3. TOTAL QUANTITY SHOULD BE THE SUM OF ELECTRICAL PLAN SHEETS, ELECTRICAL DETAILS SHEETS, ELECTRICAL QUANTITY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

**WIRE COLOR ABBREVIATIONS (THIS SHEET ONLY):**

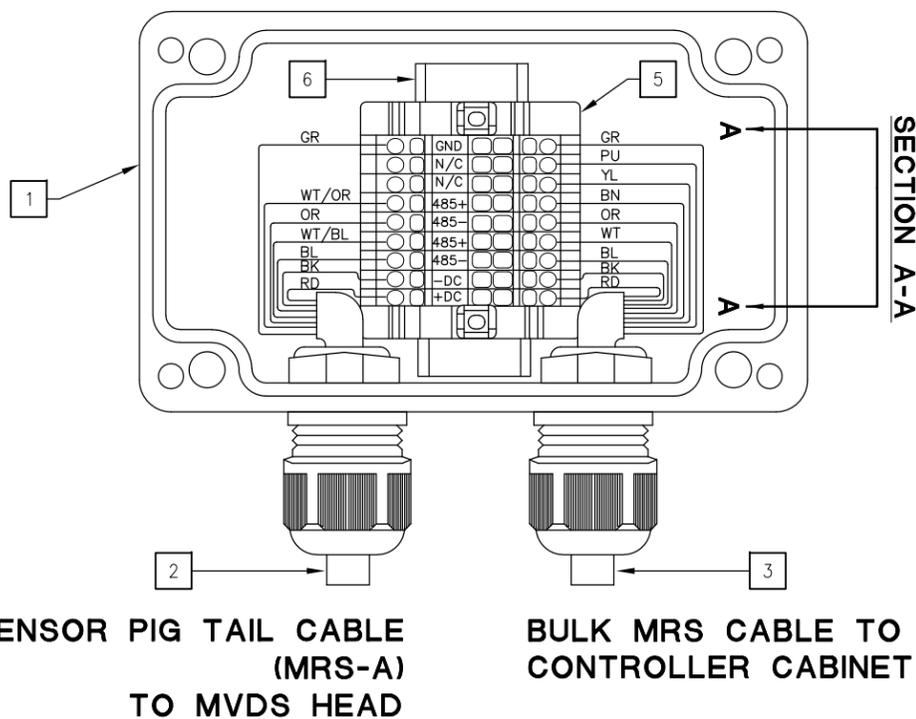
- BK BLACK
- BL BLUE
- BN BROWN
- GR GRAY
- GN GREEN
- OR ORANGE
- PU PURPLE
- RD RED
- WT WHITE
- YL YELLOW

**LEGEND (THIS SHEET ONLY):**

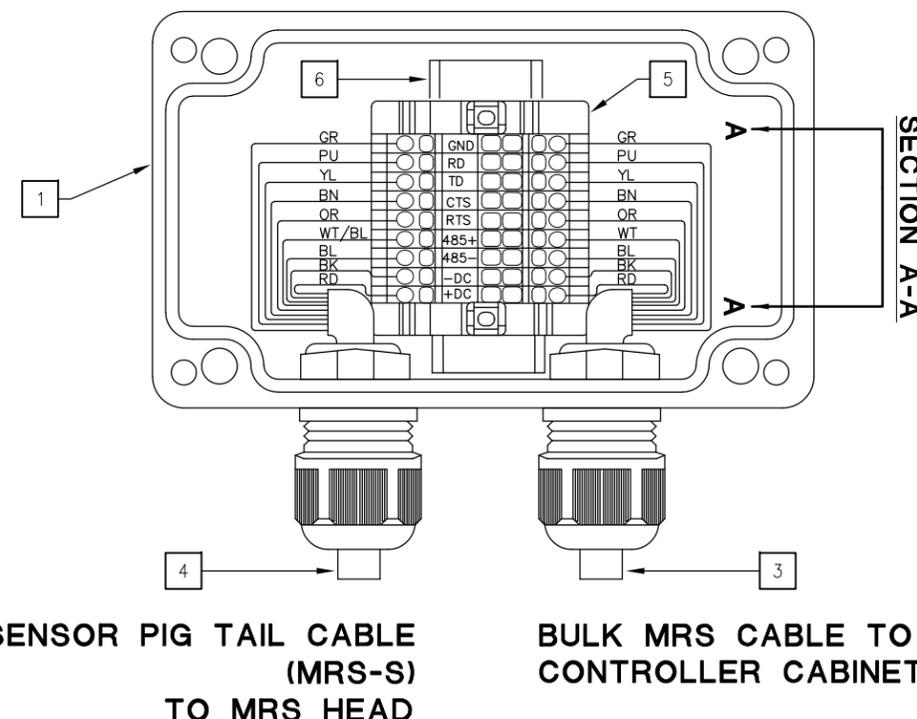
- 1 MRS JUNCTION BOX SMALL
- 2 SENSOR PIG TAIL CABLE (MRS-A)
- 3 BULK MRS CABLE
- 4 SENSOR PIG TAIL CABLE (MRS-S)
- 5 TERMINAL BLOCKS
- 6 DIN RAIL
- 7 CRIMP, SOLDER, AND HEAT SHRINK GRAY WIRE AND ALL DRAIN WIRES



**MRS-A JUNCTION BOX WIRING**



**MRS-S JUNCTION BOX WIRING**



**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  
Drawing name: Z:\Civil 3D Projects\36104026 Pioneer Roundabout\CADD Sheets\E-Sheets.dwg Layout Tab: ED-7 Jun 11, 2024 - 11:37am Dharrington  
FOR REDUCED PLANS

| REVISION | NUMBER | DATE | DESCRIPTION | BY |
|----------|--------|------|-------------|----|
|          |        |      |             |    |



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*[Signature]*  
PROFESSIONAL LAND SURVEYOR  
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**