

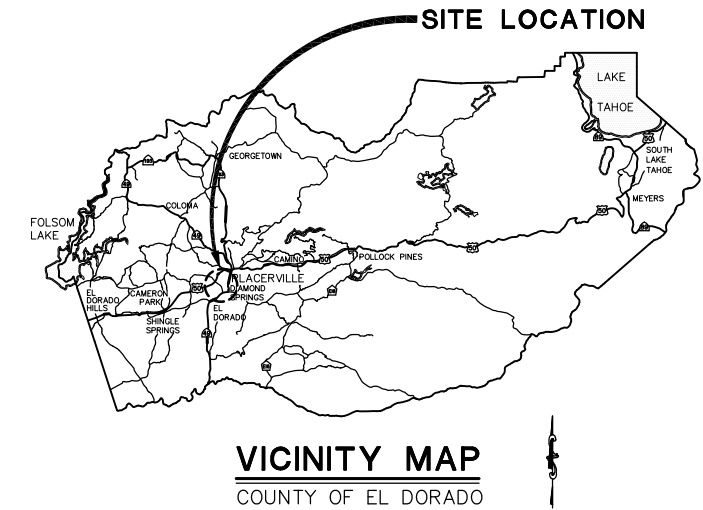
COUNTY OF EL DORADO, CA
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR THE CONSTRUCTION OF
EL DORADO TRAIL – MISSOURI FLAT ROAD BIKE/PEDESTRIAN OVERCROSSING
PHASE 2

IN THE COUNTY OF EL DORADO, DISTRICT III

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.

| SHEET | PLAN SHEET | TITLE |
|-------|------------------|-----------------------------|
| 1 | | TITLE SHEET |
| 2-3 | CD-1 THRU CD-2 | SURVEY CONTROL DIAGRAM |
| 4 | X-1 | TYPICAL SECTIONS |
| 5-9 | L-1 THRU L-5 | LAYOUT PLAN AND PROFILE |
| 10 | D-1 | DRAINAGE PLAN AND PROFILE |
| 11-13 | E-1 THRU E-3 | LIGHTING PLAN (BRIDGE) |
| 14 | CS-1 | CONSTRUCTION AREA SIGNS |
| 15-18 | SPD-1 THRU SPD-4 | PAVEMENT & SIGN DELINEATION |
| 19-23 | RW-1 THRU RW-5 | RETAINING WALL |
| 23-42 | S-1 THRU S-19 | STRUCTURAL PLANS |



BOARD OF SUPERVISORS

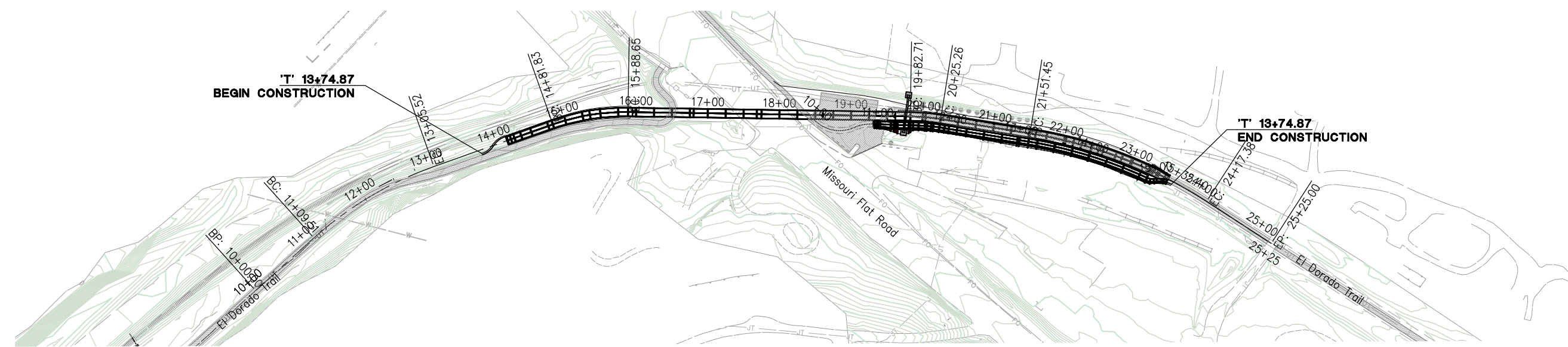
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|-------------|----------------|--------------|-------------|--------------|
| I | II | III | IV | V |
| JOHN HIDAHL | GEORGE TURNBOO | WENDY THOMAS | LORI PARLIN | BROOKE LAINE |

**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

(530) 621-5900
2850 FAIRLANE CT
PLACERVILLE, CA 95667

ADOPTED AND APPROVED BY:

| | |
|---|------|
| TBD | DATE |
| CHIR, EL DORADO COUNTY BOARD OF SUPERVISORS | |
| APPROVED BY: | DATE |
| RAFAEL MARTINEZ, DIRECTOR | |
| DEPARTMENT OF TRANSPORTATION | |
| MATTHEW D. SNELTZER | DATE |
| DEPUTY DIRECTOR, ENGINEERING | |



SITE PLAN
NOT TO SCALE

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.

REVISIONS

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



**FEDERAL AID PROJECT
CML 5925 (132)**

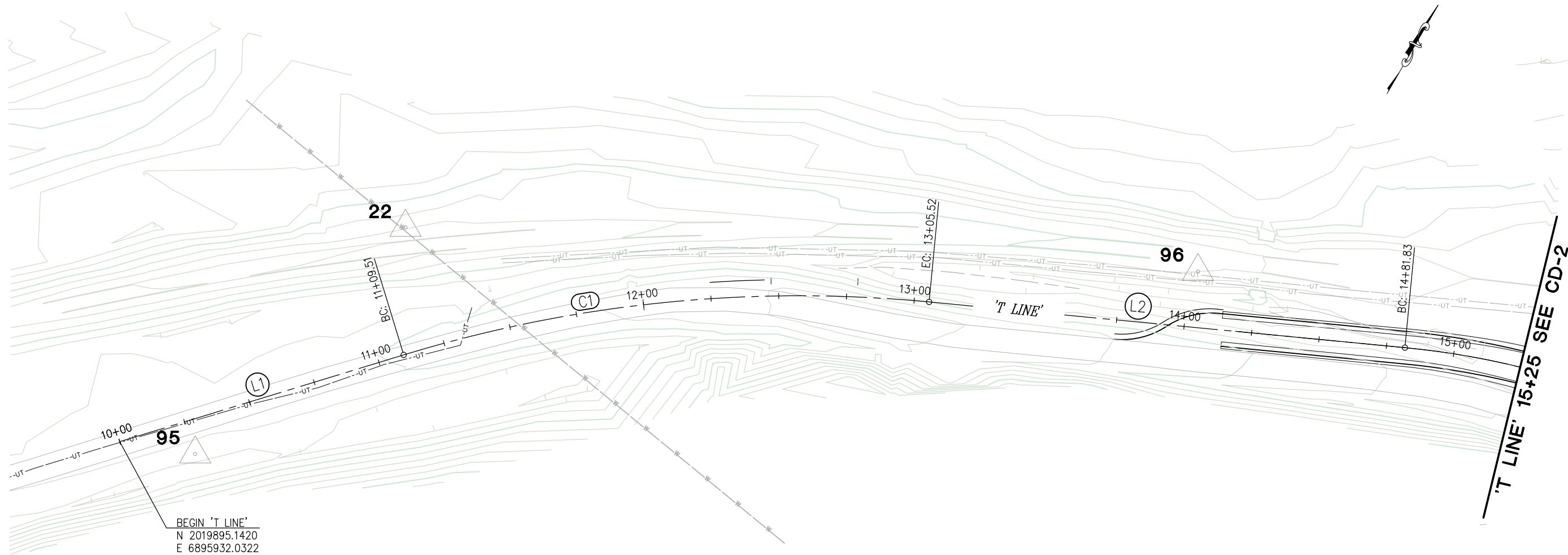


SUBMITTED BY:
DUSTIN W. HARRINGTON
REGISTERED CIVIL ENGINEER No. 71517

1/23/2024
DATE

CONTRACT NO. 8144 PROJECT NO. 97015
EL DORADO TRAIL - MISSOURI FLAT ROAD BIKE/PEDESTRIAN OVERCROSSING
PHASE 2
TITLE SHEET
SHEET 1 OF 42

ORIGINAL SCALE IS IN INCHES
 Drawing name: Z:\Civil 3D Projects\97015 El Dorado_POC\CADD Files\Sheets\CD_Sheets.dwg Layout Tab: CD-1 Jan 08, 2024 - 12:10pm DHarrington
 FOR REDUCED PLANS
 2
 1
 0



LEGEND:

X DENOTES CONTROL POINT AND NUMBER.

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. DIVIDE DISTANCES BY 0.999855 TO OBTAIN GROUND DISTANCES. ELEVATIONS SHOWN HEREON REFERENCE NGVD29.

| T LINE | | | | |
|--------|--------|--------|---------------------------------|-------------|
| NUMBER | LENGTH | RADIUS | LINE / CHORD DIRECTION & LENGTH | DELTA |
| L1 | 109.51 | | N 43° 01' 09" E | |
| C1 | 196.01 | 500.00 | N 54° 14' 59" E - 194.76 | 22' 27' 40" |
| L2 | 176.31 | | N 65° 28' 49" E | |

| CONTROL TABLE | | | | |
|----------------|------------|------------|-----------|-------------|
| CONTROL NUMBER | NORTHING | EASTING | ELEVATION | DESCRIPTION |
| 22 | 2020016.27 | 6895983.80 | 1801.71 | CP SPIKE |
| 95 | 2019905.14 | 6895958.41 | 1798.47 | CP SPIKE |
| 96 | 2020148.32 | 6896245.08 | 1799.06 | CP SPIKE |

SURVEY CONTROL DIAGRAM
SCALE : 1" = 20'

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



PREPARED UNDER THE SUPERVISION OF :
Joseph C. Neely
 PROFESSIONAL LAND SURVEYOR
 DATE: 1/23/2024

DESIGNED: AN
 DRAWN: AN
 CHECKED: JN
 DATE: 4/30/2021
 ROAD NUMBER: --

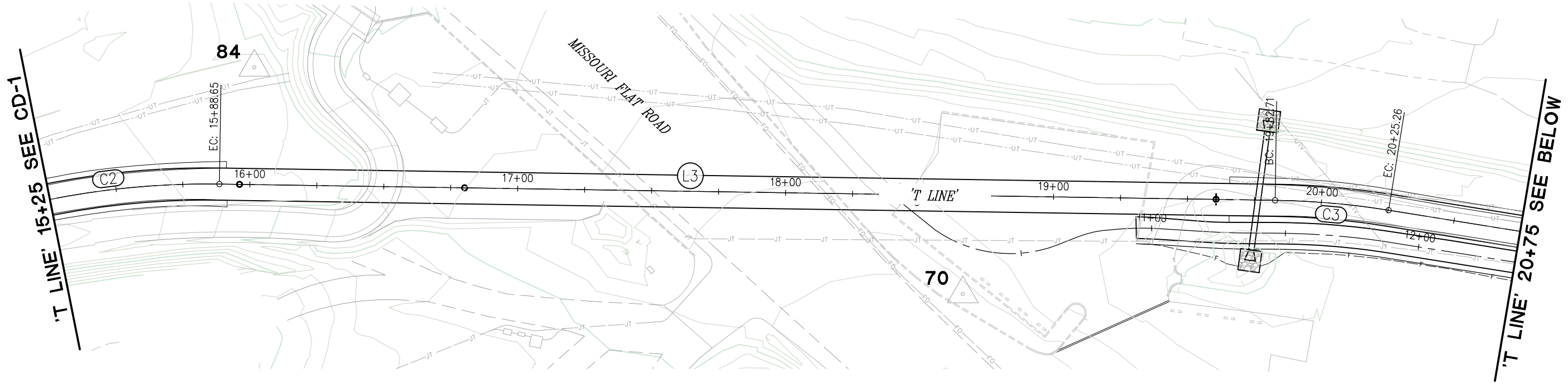


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

**EL DORADO TRAIL-
 MISSOURI FLAT ROAD
 BIKE/PEDESTRIAN OVERCROSSING
 PHASE 2**

SHEET
CD-1
 2 OF 42
 W.O. No. **97015**

ORIGINAL SCALE IS IN INCHES
 Drawing name: Z:\Civil_3D\Projects\97015 El Dorado_POC\CADD_Files\Sheets\CD_Sheets.dwg Layout Tab: CD-2 Jan 08, 2024 - 12:10pm Dharrington
 FOR REDUCED PLANS
 2
 1
 0



| T LINE | | | | |
|--------|--------|--------|---------------------------------|-------------|
| NUMBER | LENGTH | RADIUS | LINE / CHORD DIRECTION & LENGTH | DELTA |
| C2 | 106.82 | 300.00 | N 75° 40' 53" E - 106.25 | 20' 24' 01" |
| L3 | 394.06 | | N 85° 52' 53" E | |
| C3 | 42.55 | 295.00 | S 89° 59' 11" E - 42.51 | 8' 15' 51" |
| L4 | 126.19 | | S 85° 51' 15" E | |
| C4 | 265.93 | 639.00 | S 73° 55' 56" E - 264.01 | 23' 50' 39" |
| L5 | 107.62 | | S 62° 00' 36" E | |

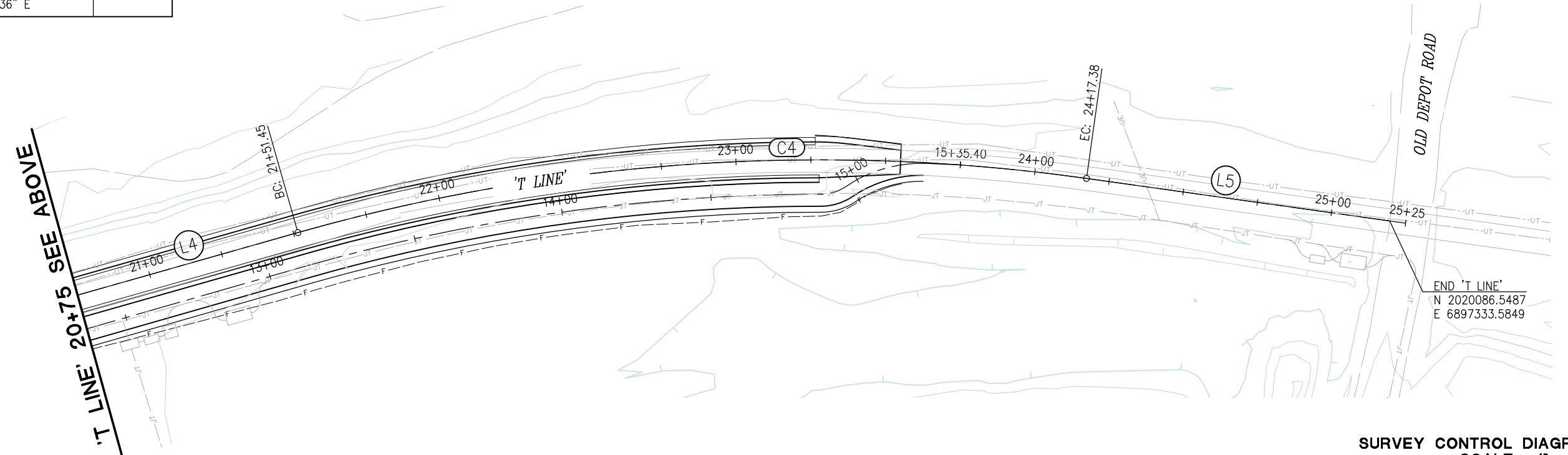
| CONTROL TABLE | | | | |
|----------------|------------|------------|-----------|-------------|
| CONTROL NUMBER | NORTHING | EASTING | ELEVATION | DESCRIPTION |
| 70 | 2020171.73 | 6896708.14 | 1794.12 | CP SPIKE |
| 84 | 2020233.06 | 6896437.37 | 1796.46 | CP SPIKE |

LEGEND:

X DENOTES CONTROL POINT AND NUMBER.

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. DIVIDE DISTANCES BY 0.999855 TO OBTAIN GROUND DISTANCES. ELEVATIONS SHOWN HEREON REFERENCE NGVD29.



SURVEY CONTROL DIAGRAM
SCALE : 1" = 20'



PREPARED UNDER THE SUPERVISION OF:
Joseph C. Neely
 PROFESSIONAL LAND SURVEYOR
 DATE: 1/23/2024

DESIGNED: AN
 DRAWN: AN
 CHECKED: JN
 DATE: 4/30/2021
 ROAD NUMBER: --

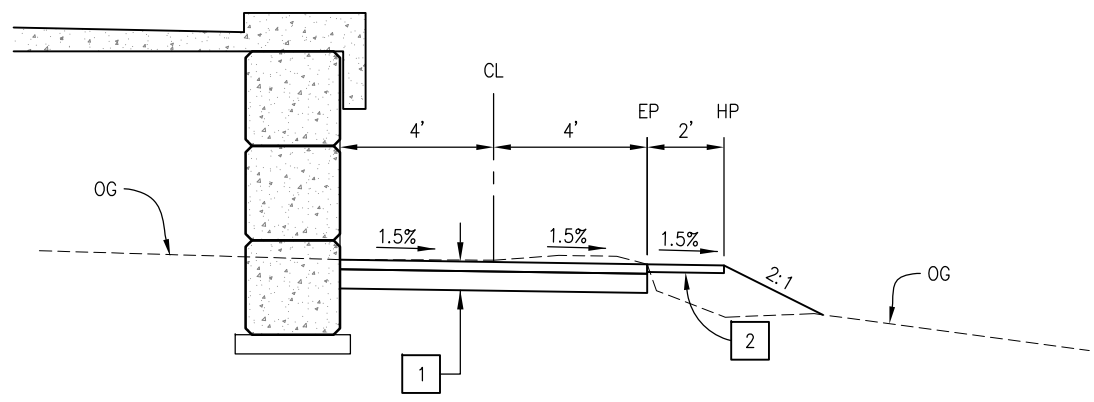


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

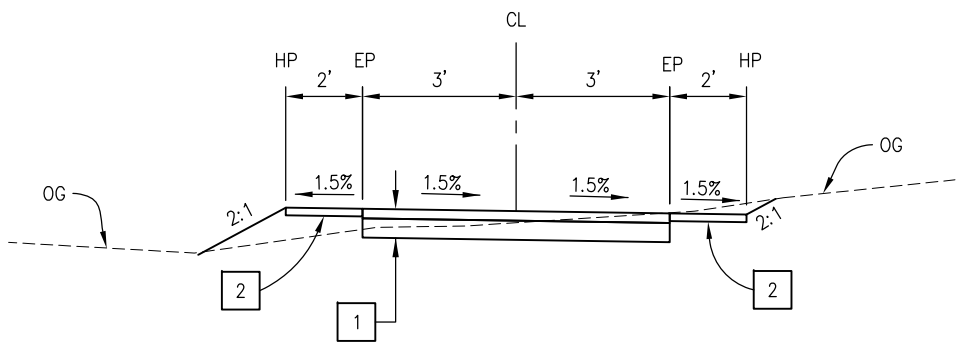
**EL DORADO TRAIL-
 MISSOURI FLAT ROAD
 BIKE/PEDESTRIAN OVERCROSSING
 PHASE 2**

SHEET
CD-2
 3 OF 42
 W.O. No. 97015

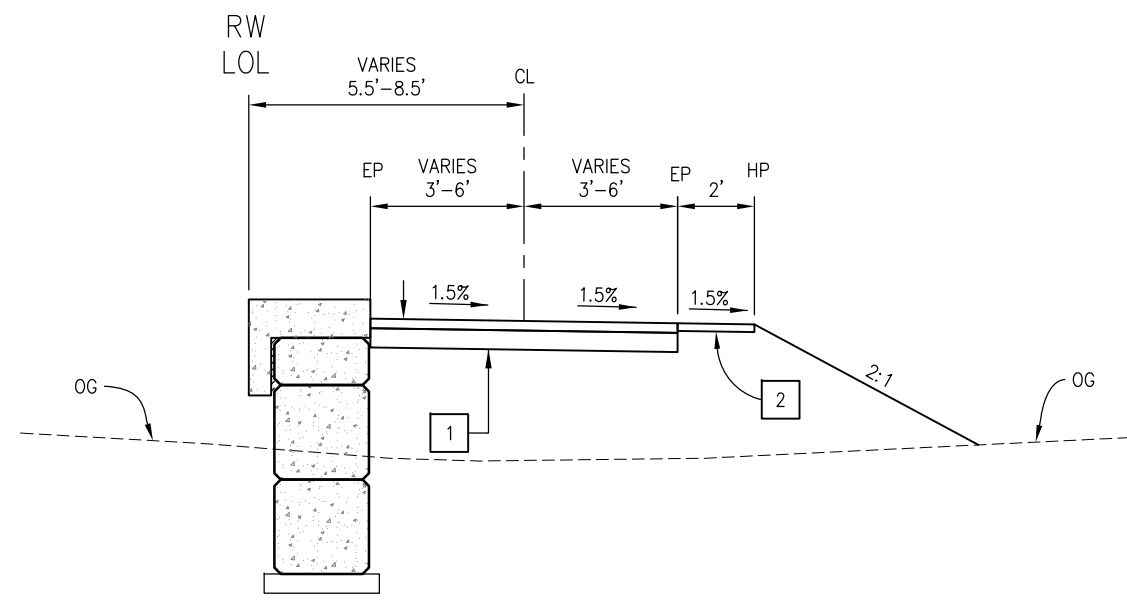
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 FOR REDUCED PLANS
 REVISION



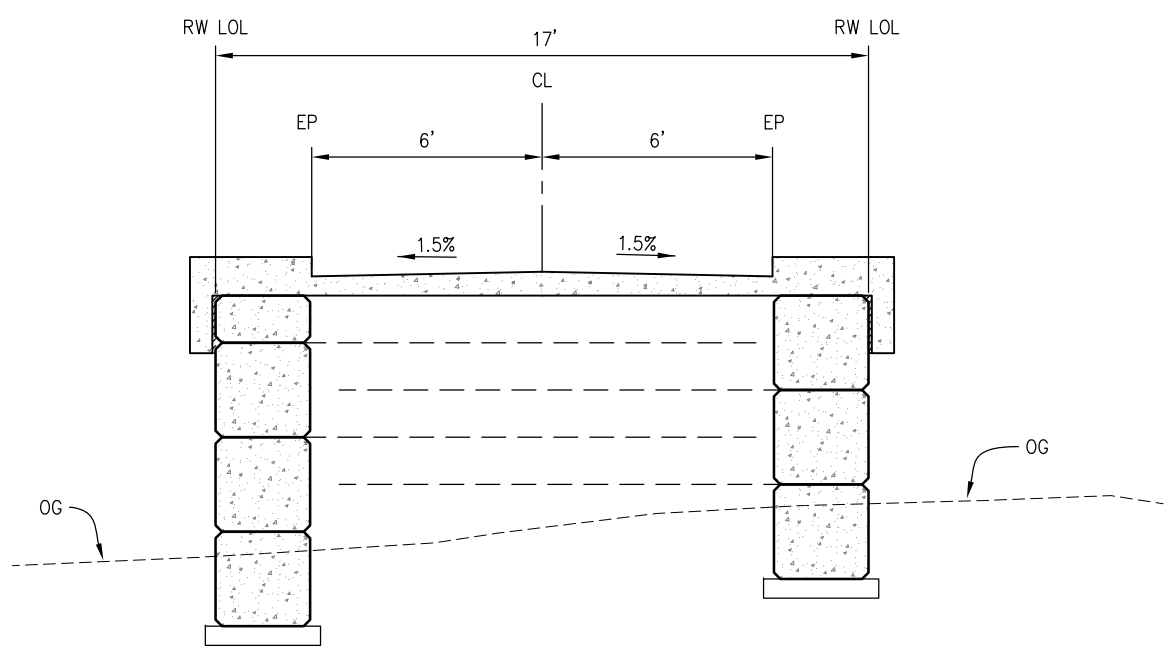
'SW' 10+96.22 TO 15+15.83



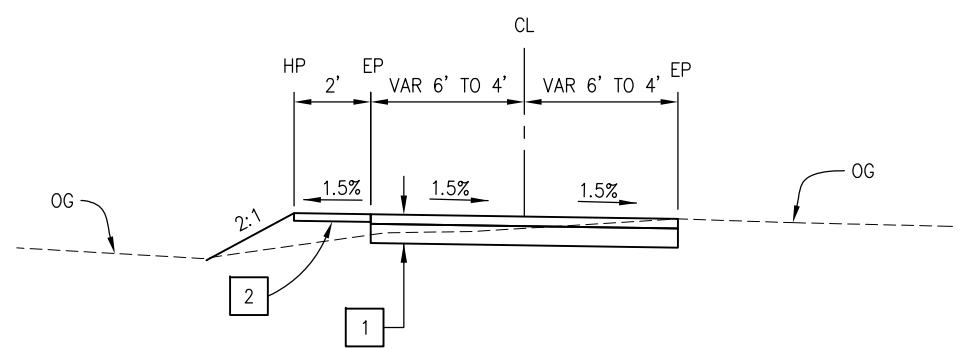
'T' - 12+25 TO 12+44.83



'T' 13+74.87 TO 14+14.25



**'T' 14+14.25 TO 15+91.21
'T' 19+65.62 TO 23+26.51**



'T' 23+27.77 TO 23+55

CONSTRUCTION NOTES:

- 1 — 0.25' HMA (TYPE A)
0.50' AB (CLASS 2)
- 2 — 0.20' AB (CLASS 2) SHOULDER BACKING

**TYPICAL SECTIONS
SCALE : NONE**



PREPARED UNDER THE SUPERVISION OF:
[Signature]
 REGISTERED CIVIL ENGINEER
 DATE: 1/23/2024

DESIGNED: AN
 DRAWN: AN
 CHECKED: DH
 DATE: 10/5/2023
 ROAD NUMBER: --

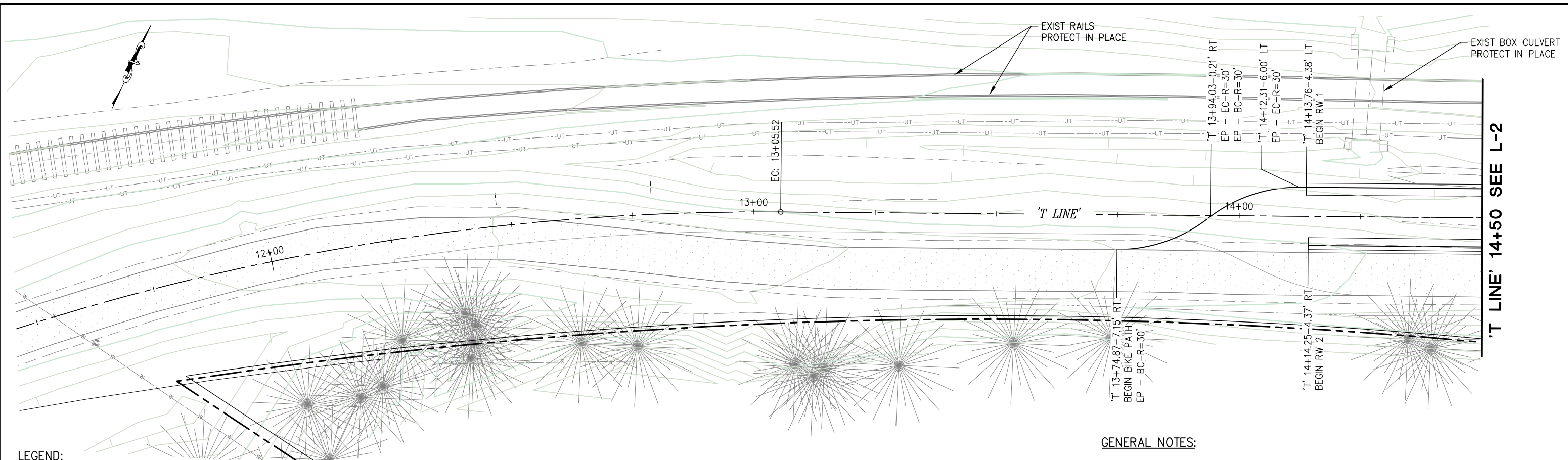


**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

**EL DORADO TRAIL-
MISSOURI FLAT ROAD
BIKE/PEDESTRIAN OVERCROSSING
PHASE 2**

SHEET
X-1
4 OF 42
W.O. No. **97015**

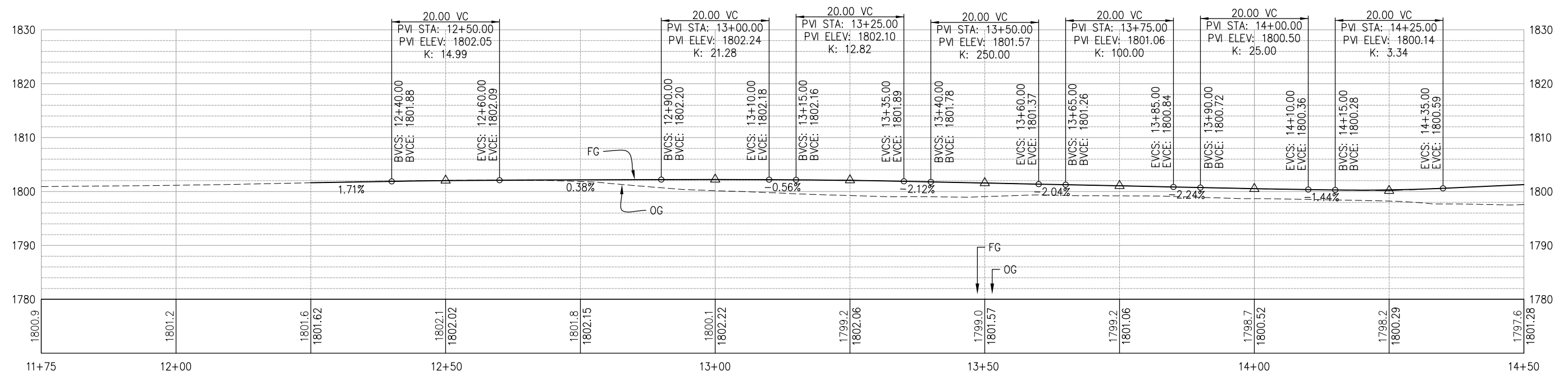
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 FOR REDUCED PLANS
 REVISION



- LEGEND:**
- OBLITERATE EXIST ASPHALT SURFACING
 - EXIST PAVED TRAIL (PROTECT IN PLACE)

PLAN

- GENERAL NOTES:**
1. ALL DISTURBED SOIL TO BE HYDROSEED.
 2. SEE SPD-SHEETS FOR SIGNING AND STRIPING PLANS.
 3. SEE S-SHEETS FOR STRUCTURE PLANS.



PROFILE

LAYOUT PLAN AND PROFILE
SCALE: 1" = 10'



PREPARED UNDER THE SUPERVISION OF:

 REGISTERED CIVIL ENGINEER
 DATE: 1/23/2024

DESIGNED: AN
 DRAWN: AN
 CHECKED: DH
 DATE: 10/5/2023
 ROAD NUMBER: --

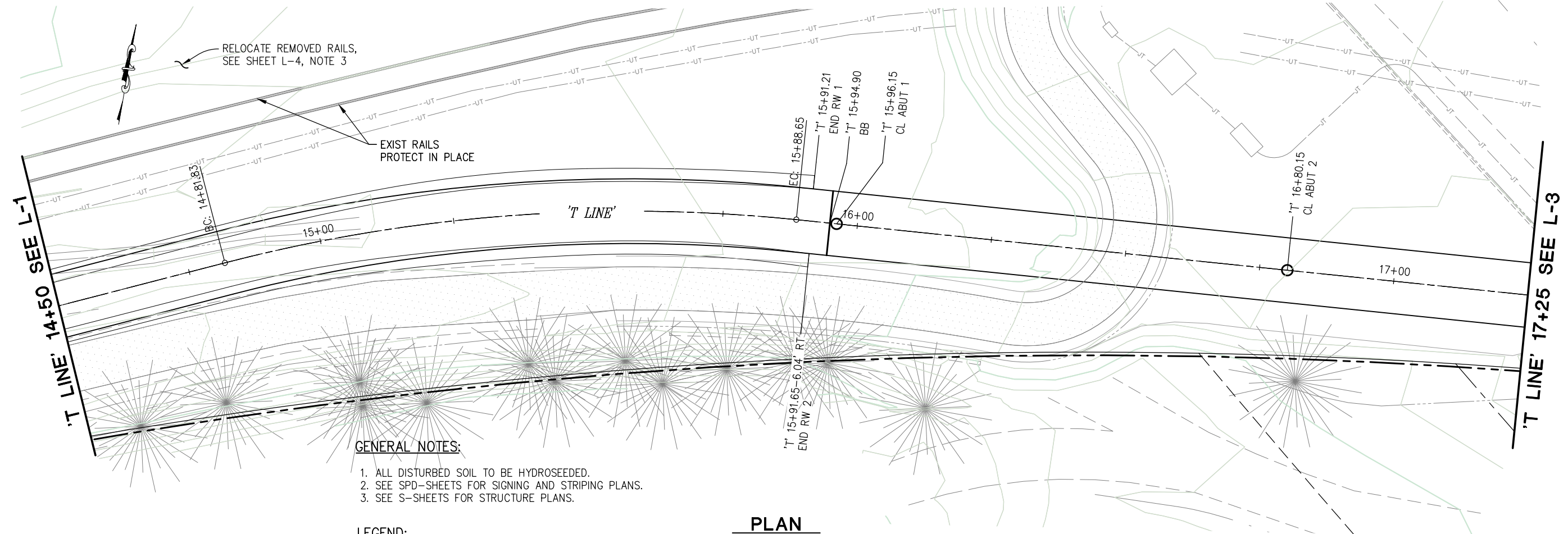


COUNTY OF EL DORADO
 DEPARTMENT OF TRANSPORTATION

EL DORADO TRAIL-
 MISSOURI FLAT ROAD
 BIKE/PEDESTRIAN OVERCROSSING
 PHASE 2

SHEET
L-1
 5 OF 42
 W.O. No. 97015

ORIGINAL SCALE IS IN INCHES
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 FOR REDUCED PLANS



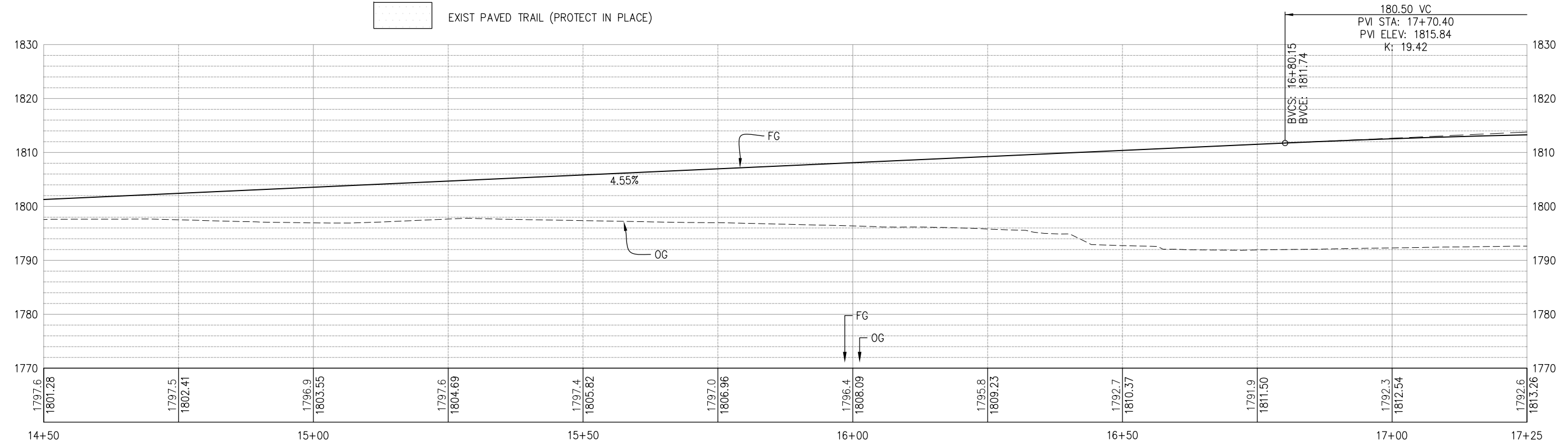
GENERAL NOTES:

1. ALL DISTURBED SOIL TO BE HYDROSEEDDED.
2. SEE SPD-SHEETS FOR SIGNING AND STRIPING PLANS.
3. SEE S-SHEETS FOR STRUCTURE PLANS.

LEGEND:

EXIST PAVED TRAIL (PROTECT IN PLACE)

PLAN



PROFILE

LAYOUT PLAN AND PROFILE
SCALE : 1" = 10'

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



PREPARED UNDER THE SUPERVISION OF :

Justin W. Harrington
REGISTERED CIVIL ENGINEER
DATE: 1/23/2024

DESIGNED: AN
DRAWN: AN
CHECKED: DH
DATE: 10/5/2023
ROAD NUMBER: --




COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

**EL DORADO TRAIL-
MISSOURI FLAT ROAD
BKE/PEDESTRIAN OVERCROSSING
PHASE 2**

SHEET
L-2
6 OF 42
W.O. No. **97015**

LEGEND:

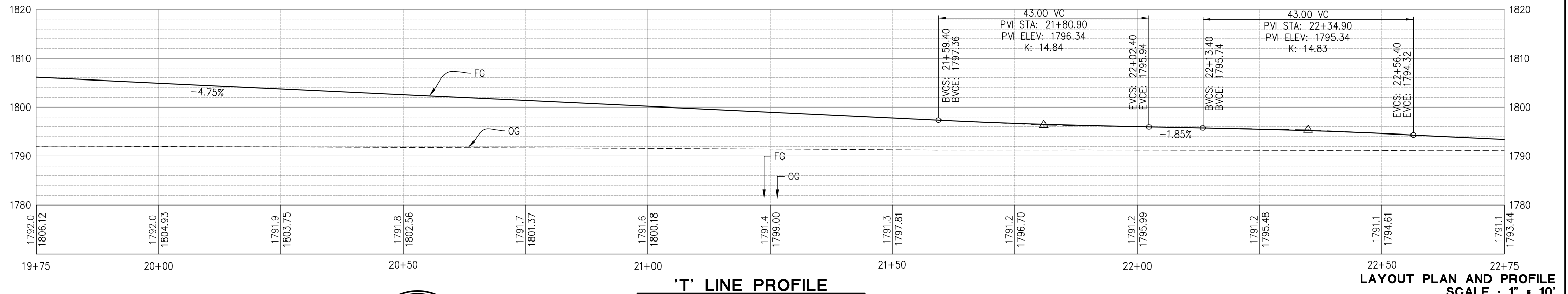
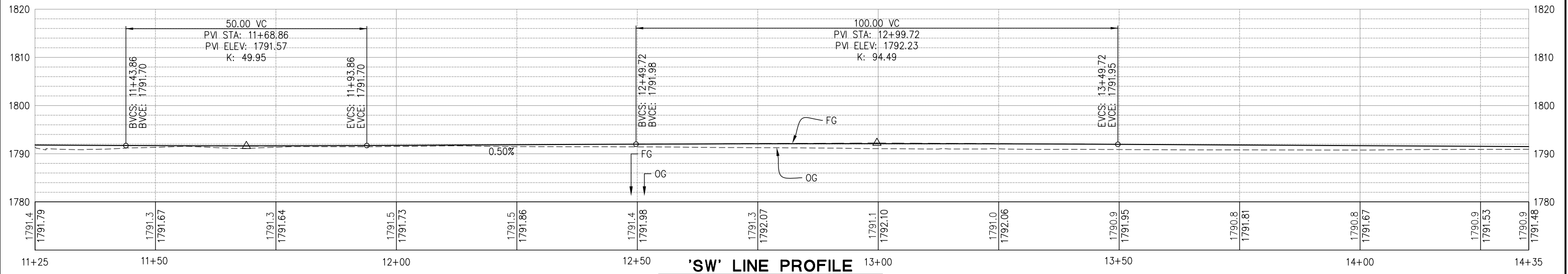
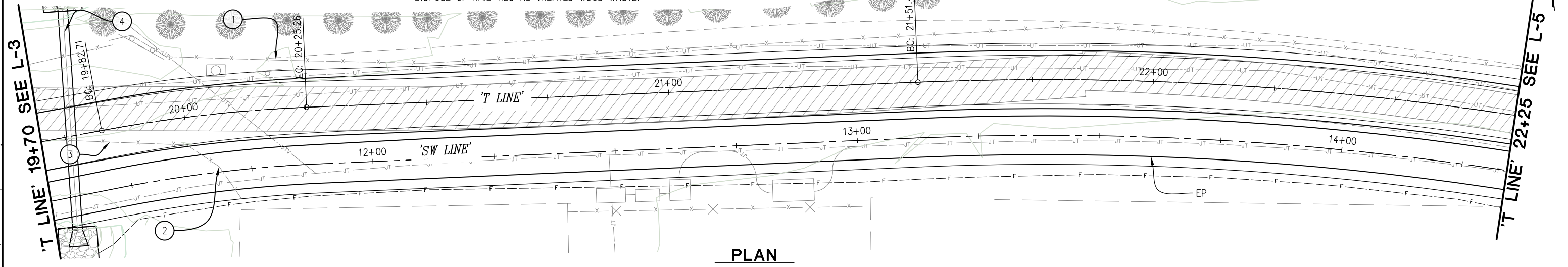
 LIMITS OF OBLITERATE EXIST ASPHALT SURFACING

CONSTRUCTION NOTES:

- ① — EXISTING VINYL SPLIT RAIL FENCE (PROTECT IN PLACE)
- ② — REMOVE & SALVAGE EXIST RAILS TO AREA ON WEST SIDE OF MISSOURI FLAT ROAD, SEE SHEET L-2. DISPOSE OF RAIL TIES AS TREATED WOOD WASTE.
- ③ — REMOVE TIMBER CULVERT & REPLACE WITH 18" RCP w/ CLSM BACKFILL
- ④ —

GENERAL NOTES:

- 1. ALL DISTURBED SOIL TO BE HYDROSEEDDED.
- 2. SEE SPD-SHEETS FOR SIGNING AND STRIPING PLANS.
- 3. SEE S-SHEETS FOR STRUCTURE PLANS.



LAYOUT PLAN AND PROFILE
SCALE : 1" = 10'

ORIGINAL SCALE IS IN INCHES
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| REVISION | NUMBER | DATE | DESCRIPTION | BY |
|----------|--------|------|-------------|----|
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PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
DATE: 1/23/2024

DESIGNED: AN
DRAWN: AN
CHECKED: DH
DATE: 10/5/2023
ROAD NUMBER: --



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

EL DORADO TRAIL-
MISSOURI FLAT ROAD
BIKE/PEDESTRIAN OVERCROSSING
PHASE 2

SHEET
L-4
8 OF 42
W.O. No. 97015

ORIGINAL SCALE IS IN INCHES
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FOR REDUCED PLANS
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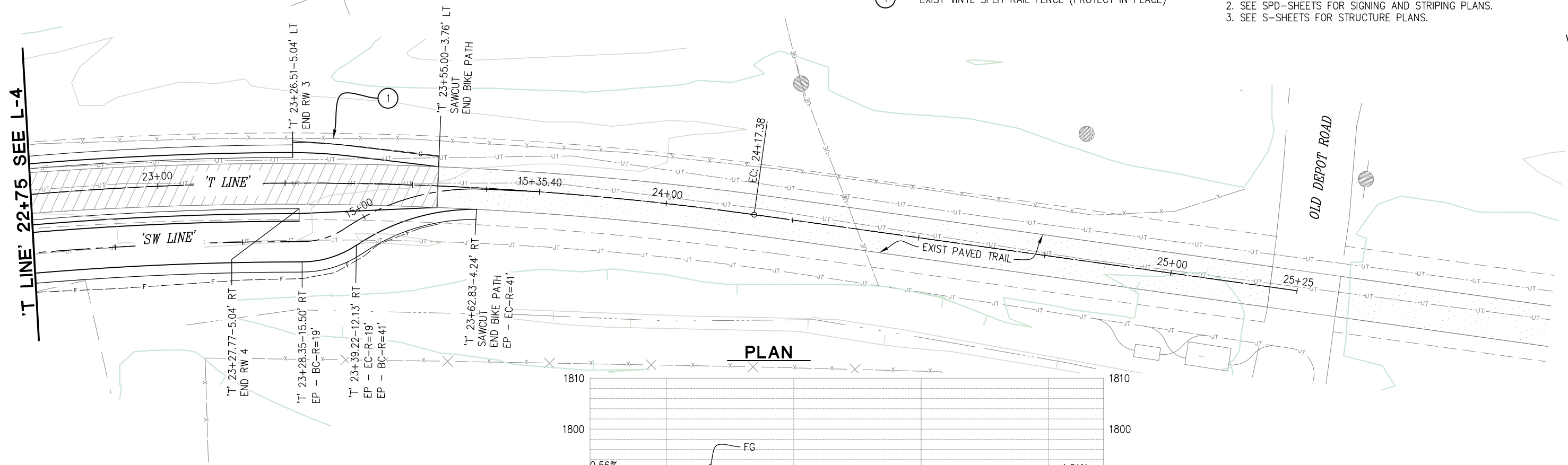
'T LINE' 22+75 SEE L-4

CONSTRUCTION NOTES:

- ① — EXIST VINYL SPLIT RAIL FENCE (PROTECT IN PLACE)

GENERAL NOTES:

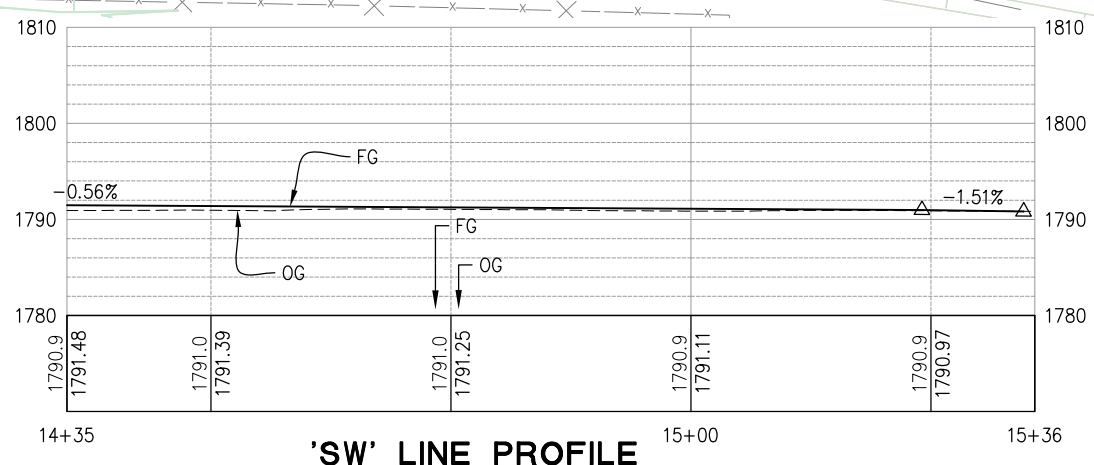
1. ALL DISTURBED SOIL TO BE HYDROSEEDED.
2. SEE SPD-SHEETS FOR SIGNING AND STRIPING PLANS.
3. SEE S-SHEETS FOR STRUCTURE PLANS.



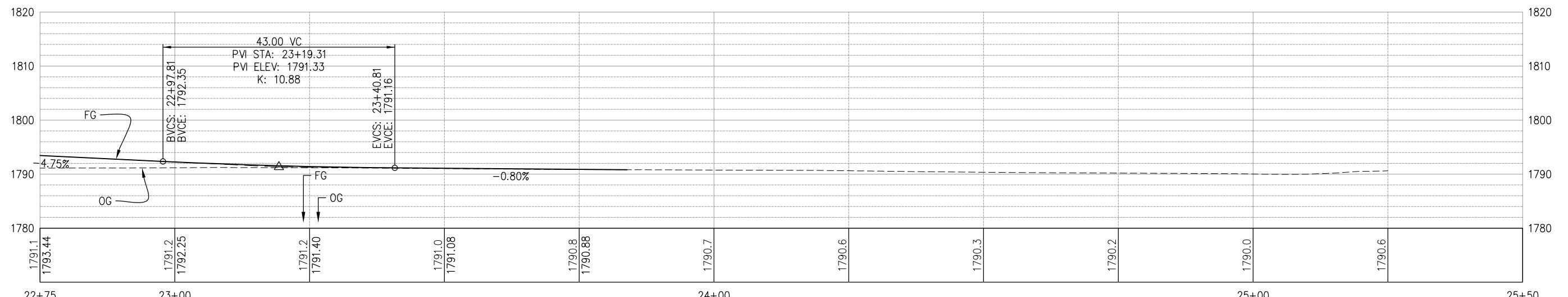
PLAN

LEGEND:

- OBLITERATE EXIST ASPHALT SURFACING
- EXIST PAVED TRAIL (PROTECT IN PLACE)



'SW' LINE PROFILE



'T' LINE PROFILE

**LAYOUT PLAN AND PROFILE
 SCALE : 1" = 10'**

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



PREPARED UNDER THE SUPERVISION OF:

 REGISTERED CIVIL ENGINEER
 DATE: 1/23/2024

DESIGNED: AN
 DRAWN: AN
 CHECKED: DH
 DATE: 10/5/2023
 ROAD NUMBER: --



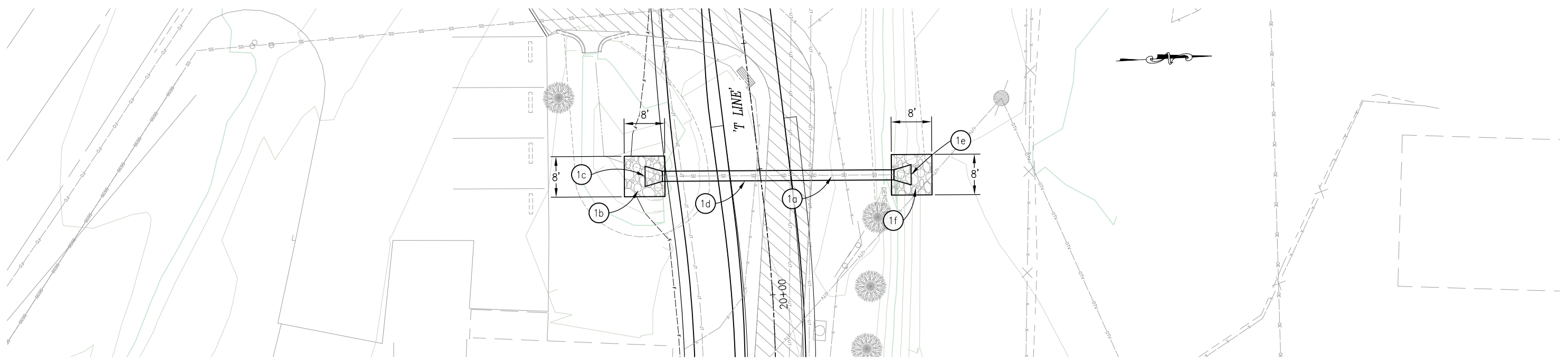
**COUNTY OF EL DORADO
 DEPARTMENT OF TRANSPORTATION**

**EL DORADO TRAIL-
 MISSOURI FLAT ROAD
 BIKE/PEDESTRIAN OVERCROSSING
 PHASE 2**

SHEET
L-5
 9 OF 42
 W.O. No. **97015**

ORIGINAL SCALE IS IN INCHES
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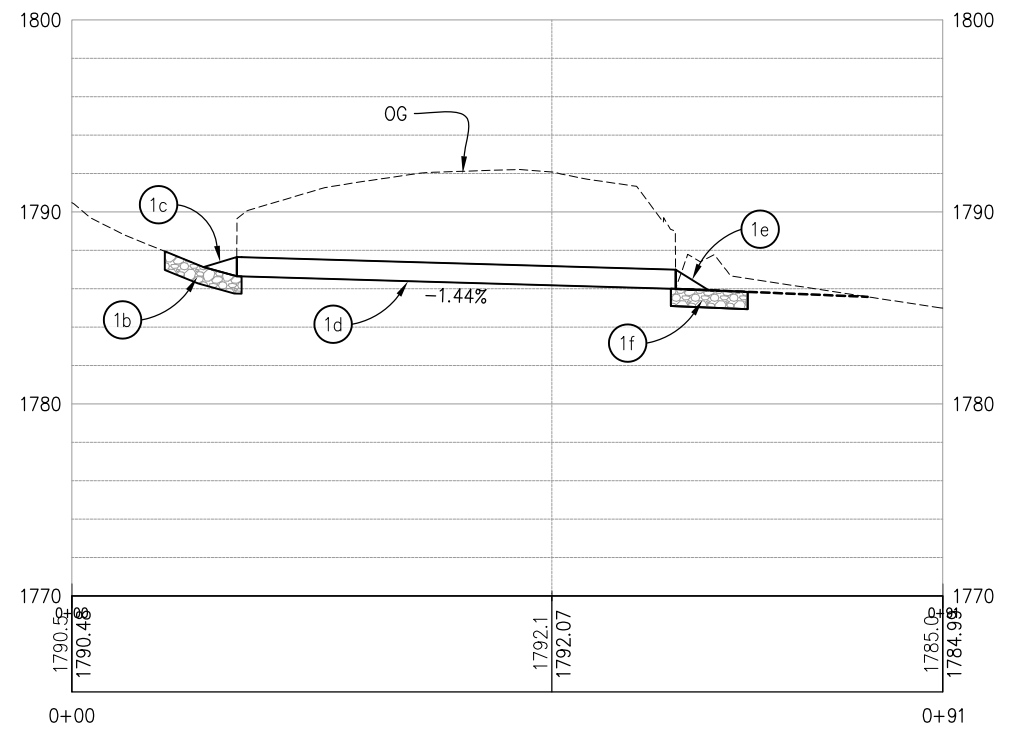
FOR REDUCED PLANS
2
1
0



PLAN - SD SYSTEM 1
SCALE: 1" = 10'

CONSTRUCTION NOTES:

- 1a REMOVE EXIST TIMBER CULVERT (APPROX 46 LF)
- 1b ROCK SLOPE PROTECTION (CLASS II, 60 LB, METHOD B) w/ ROCK SLOPE PROTECTION FABRIC (CLASS 8)
- 1c 24" CONCRETE FLARED END SECTION (TYPE B)
- 1d 24" RCP = 46 LF
'T Line' 19+74.05-19.23' Rt
'T Line' 19+79.39-26.13' Lt
INVERT IN ELEV = 1786.65
INVERT OUT ELEV = 1785.99
S = 1.44%
- 1e 24" CONCRETE FLARED END SECTION (TYPE B)
- 1f ROCK SLOPE PROTECTION (CLASS II, 60 LB, METHOD B) w/ ROCK SLOPE PROTECTION FABRIC (CLASS 8)



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

THIS SHEET ACCURATE FOR DRAINAGE WORK ONLY

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



PREPARED UNDER THE SUPERVISION OF :
[Signature]
REGISTERED CIVIL ENGINEER
1/23/2024

DESIGNED: AN
DRAWN: AN
CHECKED: DH
DATE: 11/21/2023
ROAD NUMBER: --

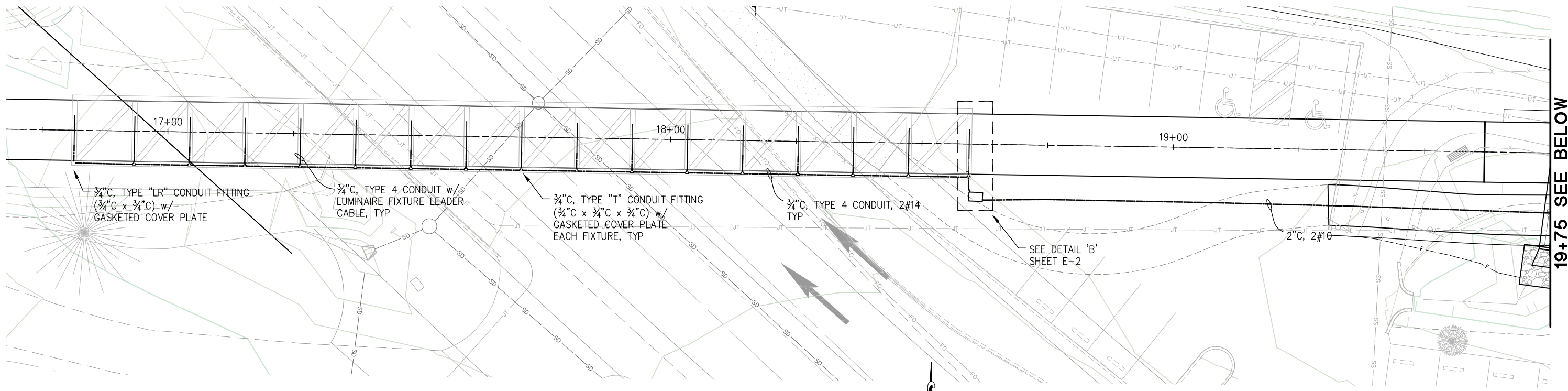


**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

**EL DORADO TRAIL-
MISSOURI FLAT ROAD
BIKE/PEDESTRIAN OVERCROSSING
PHASE 2**

SHEET
D-1
10 OF 42
W.O. No. **97015**

ORIGINAL SCALE IS IN INCHES
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 FOR REDUCED PLANS
 REVISION



LEGEND:

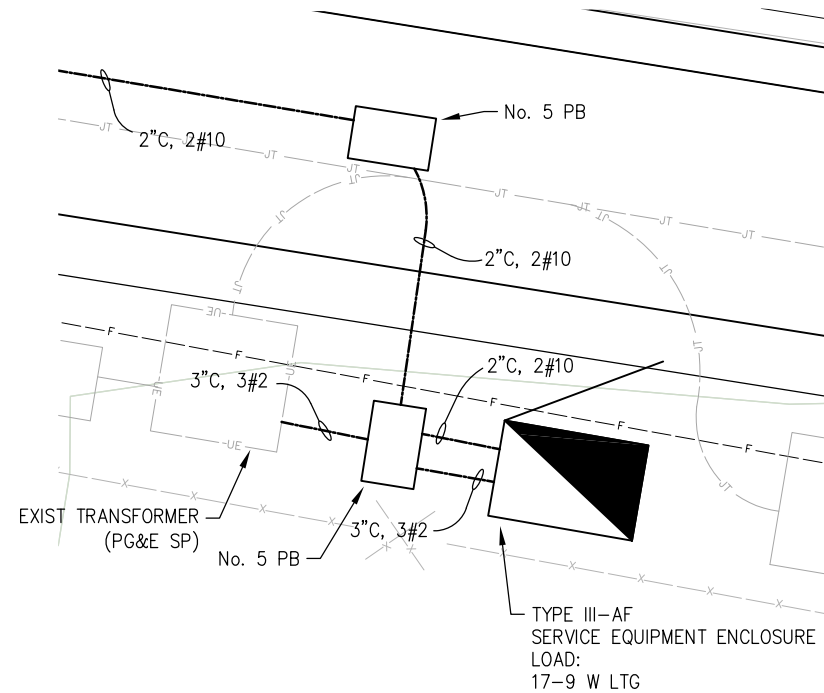
— LUMINAIRE FIXTURE (LENGTH = 2')
 ESTIMATE 17 EA
 FIXTURE POWER: 9 WATTS, 0.075 AMPS (120 V)
 FIXTURE OUTPUT: 1200 LUMENS
 MODEL No.: VPX2-LO-40K-UVO-120V
 MFG.: G&G INDUSTRIAL LIGHTING
 (OR APPROVED EQUAL)

NOTES:

- LIGHTING LAYOUT & FIXTURE TYPE BASED ON A RESULTING ILLUMINANCE ON THE BRIDGE DECK SURFACE OF THE FOLLOWING VALUES:
 MAX = 5.2 fc
 MIN = 2.2 fc
 AVG = 3.3 fc
- SUBMIT AN ILLUMINATION DIAGRAM FOR REVIEW IF PROPOSING AN ALTERNATE LUMINAIRE FIXTURE

LIGHTING PLAN

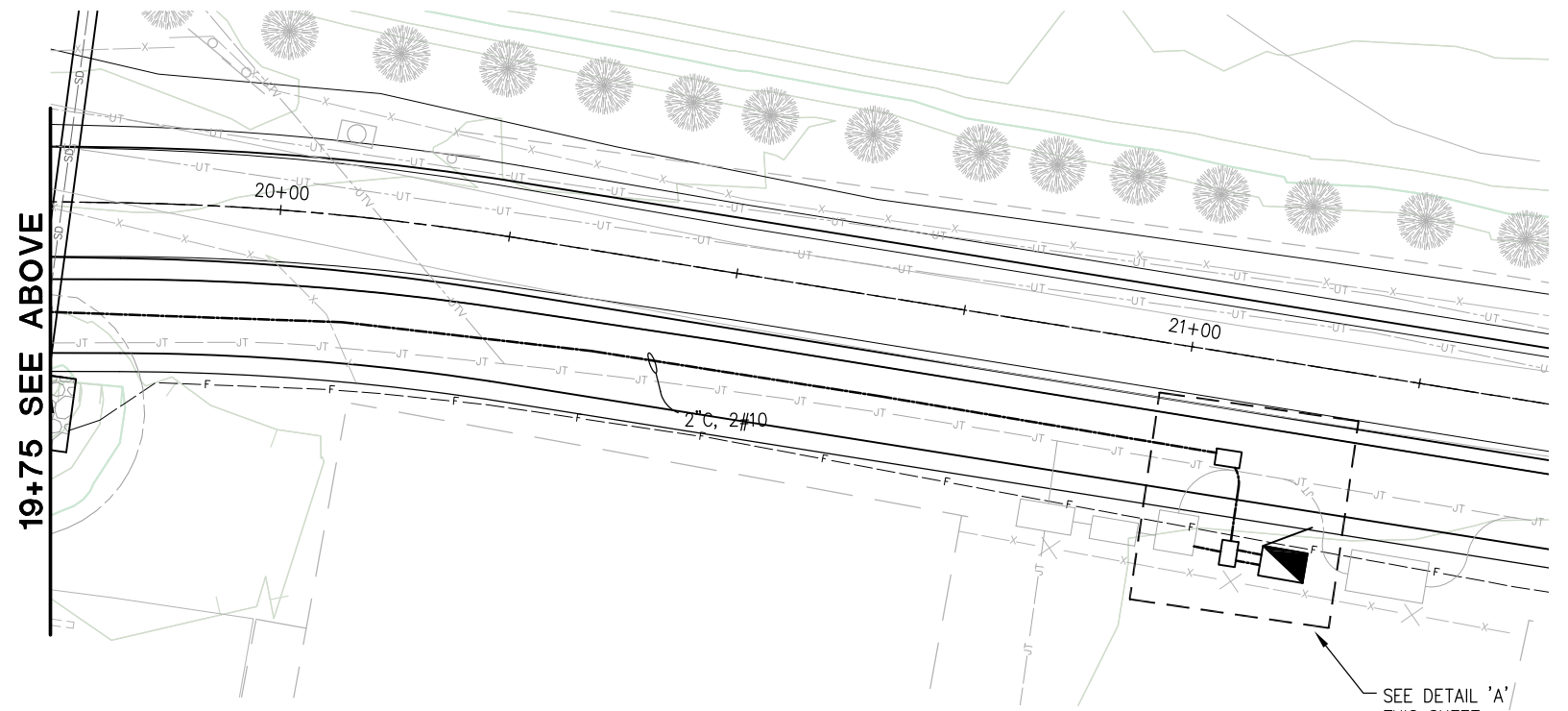
SCALE: 1"=10'



DETAIL 'A'

NO SCALE

THIS SHEET ACCURATE FOR ELECTRICAL WORK ONLY



LIGHTING PLAN

SCALE: 1"=10'

LIGHTING PLAN (BRIDGE)
SCALE : AS SHOWN



PREPARED UNDER THE SUPERVISION OF :

 REGISTERED CIVIL ENGINEER
 DATE: 1/23/2024

DESIGNED: DH AN
 DRAWN: AN
 CHECKED: DH
 DATE: 11/27/2023
 ROAD NUMBER: --

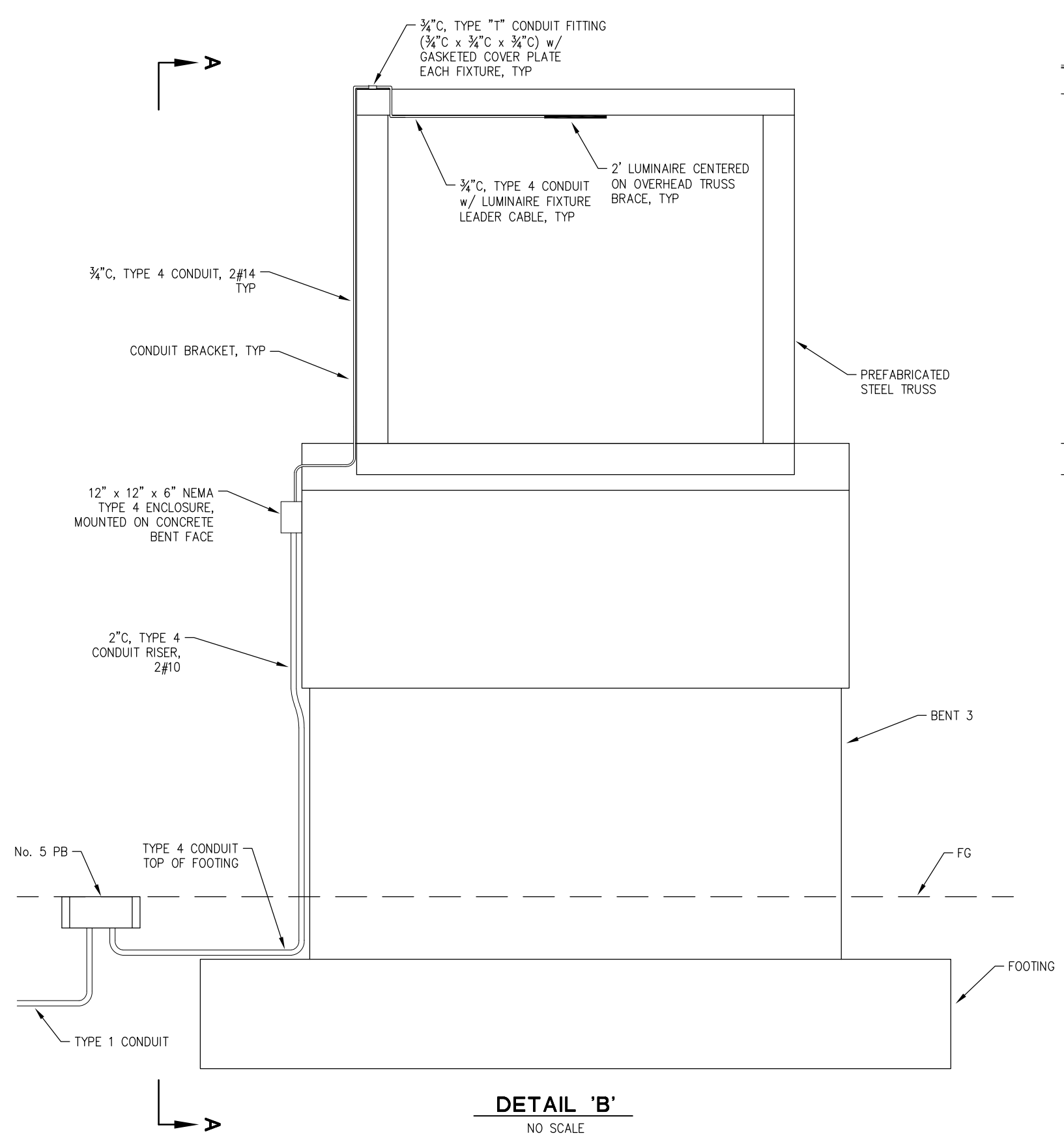


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

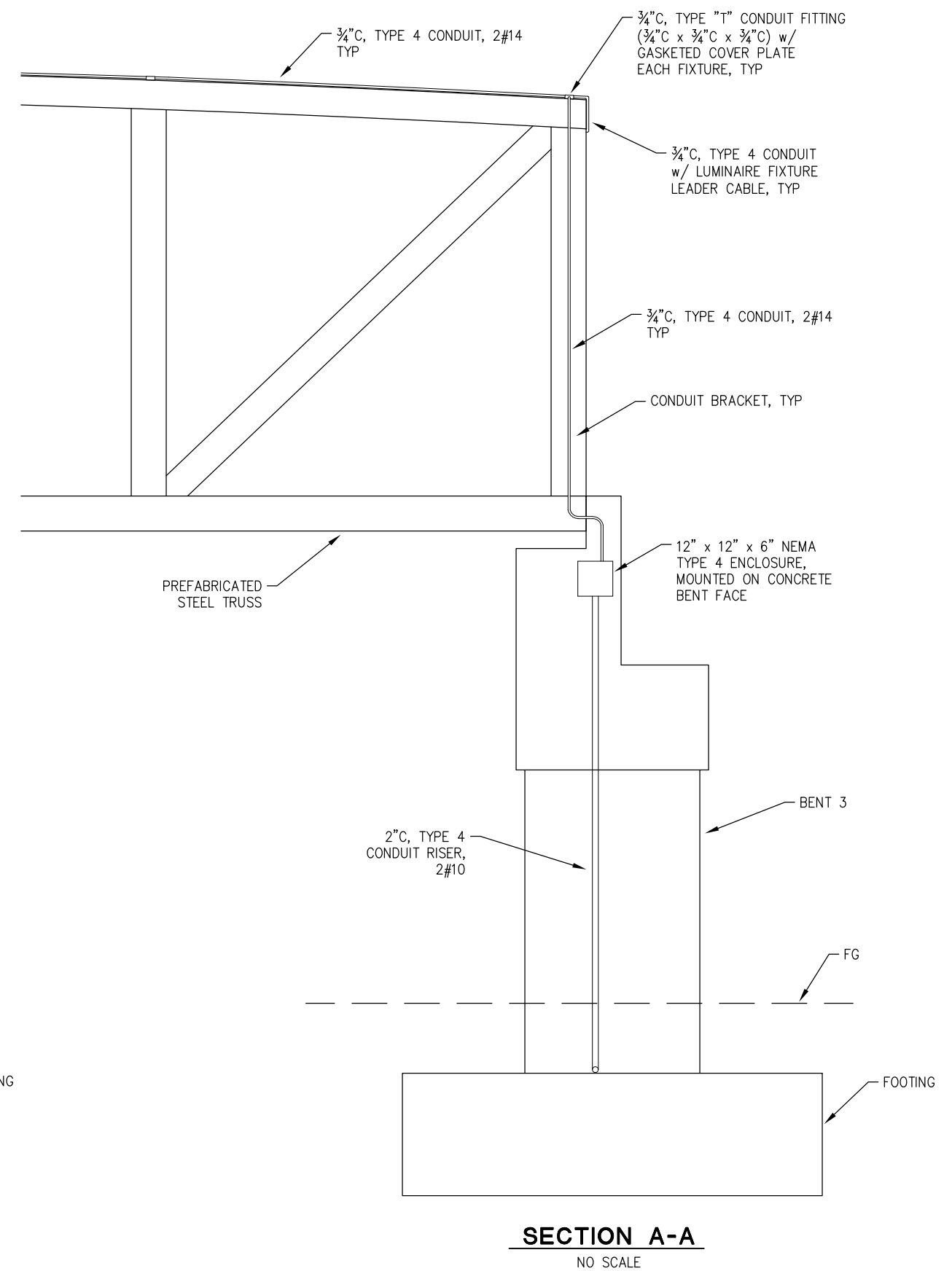
EL DORADO TRAIL-
MISSOURI FLAT ROAD
BIKE/PEDESTRIAN OVERCROSSING
PHASE 2

SHEET
E-1
 11 OF 42
 W.O. No. 97015

ORIGINAL SCALE IS IN INCHES
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 FOR REDUCED PLANS



DETAIL 'B'
NO SCALE



SECTION A-A
NO SCALE

THIS SHEET ACCURATE FOR ELECTRICAL WORK ONLY

LIGHTING PLAN (BRIDGE)
SCALE : 1" = 20'

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



PREPARED UNDER THE SUPERVISION OF :
[Signature]
 REGISTERED CIVIL ENGINEER
 DATE: 1/23/2024

DESIGNED: DH
 DRAWN: AN
 CHECKED: DH
 DATE: 11/27/2023
 ROAD NUMBER: --

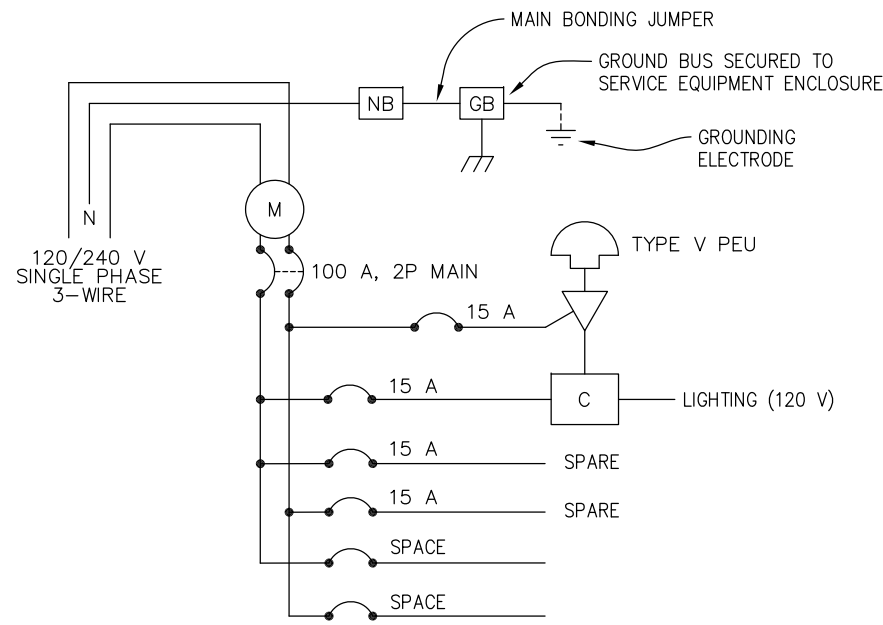


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

**EL DORADO TRAIL-
MISSOURI FLAT ROAD
BIKE/PEDESTRIAN OVERCROSSING
PHASE 2**

SHEET
E-2
12 OF 42
W.O. No. **97015**

ORIGINAL SCALE IS IN INCHES
 Drawing name: Z:\Civil 3D Projects\97015 El Dorado_POC\CADD Files\Sheets\E Sheets.dwg Layout Tab: E-3 Jan 08,2024 - 12:13pm Dharrington
 FOR REDUCED PLANS



WIRING DIAGRAM LEGEND:

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

SERVICE EQUIPMENT WIRING DIAGRAM

NO SCALE

THIS SHEET ACCURATE FOR ELECTRICAL WORK ONLY

LIGHTING PLAN (BRIDGE)
SCALE : 1" = 20'

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



PREPARED UNDER THE SUPERVISION OF :

 REGISTERED CIVIL ENGINEER
 DATE: 1/23/2024

DESIGNED: DH
 DRAWN: AN
 CHECKED: DH
 DATE: 11/27/2023
 ROAD NUMBER: --



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

EL DORADO TRAIL-
MISSOURI FLAT ROAD
BIKE/PEDESTRIAN OVERCROSSING
PHASE 2



SHEET
E-3
13 OF 42
W.O. No. 97015

ORIGINAL SCALE IS IN INCHES
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 FOR REDUCED PLANS
 REVISION

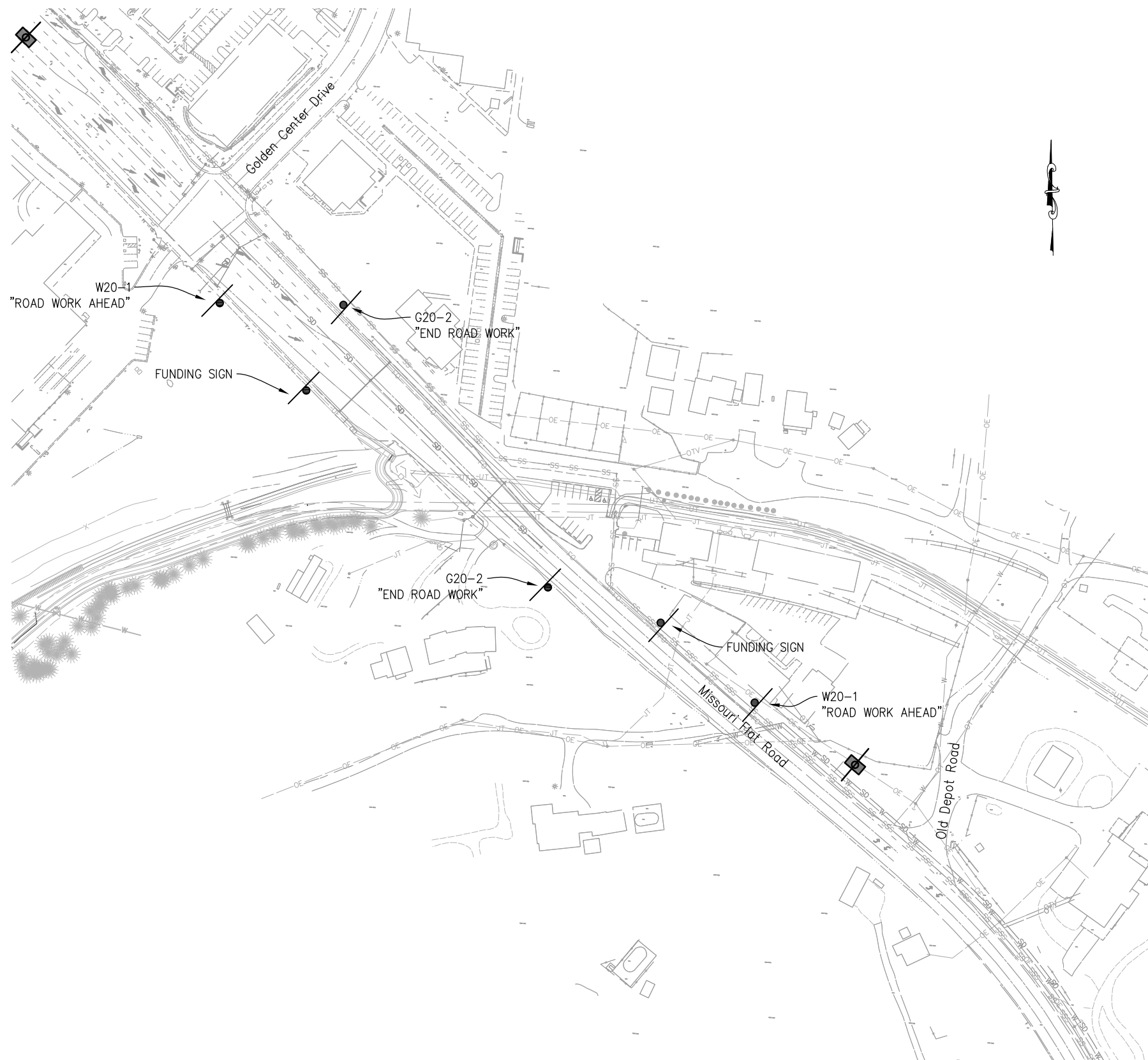
GENERAL NOTES:

1. LOCATIONS OF CONSTRUCTION AREA SIGNS ARE APPROXIMATE. FINAL LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
2. SUBMIT TRAFFIC CONTROL PLANS TO THE ENGINEER FOR REVIEW AND APPROVAL IN ACCORDANCE WITH THE SPECIAL PROVISIONS PRIOR TO THE START OF WORK REQUIRING TRAFFIC CONTROL.

LEGEND:

-  — CONSTRUCTION AREA SIGN
-  — PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)

| PORTABLE CHANGEABLE MESSAGE SIGN | |
|----------------------------------|------------------------|
| FIRST FLASH | SECOND FLASH |
| SHOULDER WORK AHEAD | MON - FRI (WORK HOURS) |



CONSTRUCTION AREA SIGNS

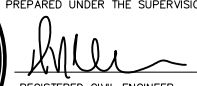
NO SCALE

THIS SHEET ACCURATE FOR SIGNING WORK ONLY

CONSTRUCTION AREA SIGNS
SCALE : 1" = 20'

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



PREPARED UNDER THE SUPERVISION OF :

 REGISTERED CIVIL ENGINEER
 DATE: 1/23/2024

DESIGNED: DH AN
 DRAWN: AN
 CHECKED: DH
 DATE: 6/4/2020
 ROAD NUMBER: --

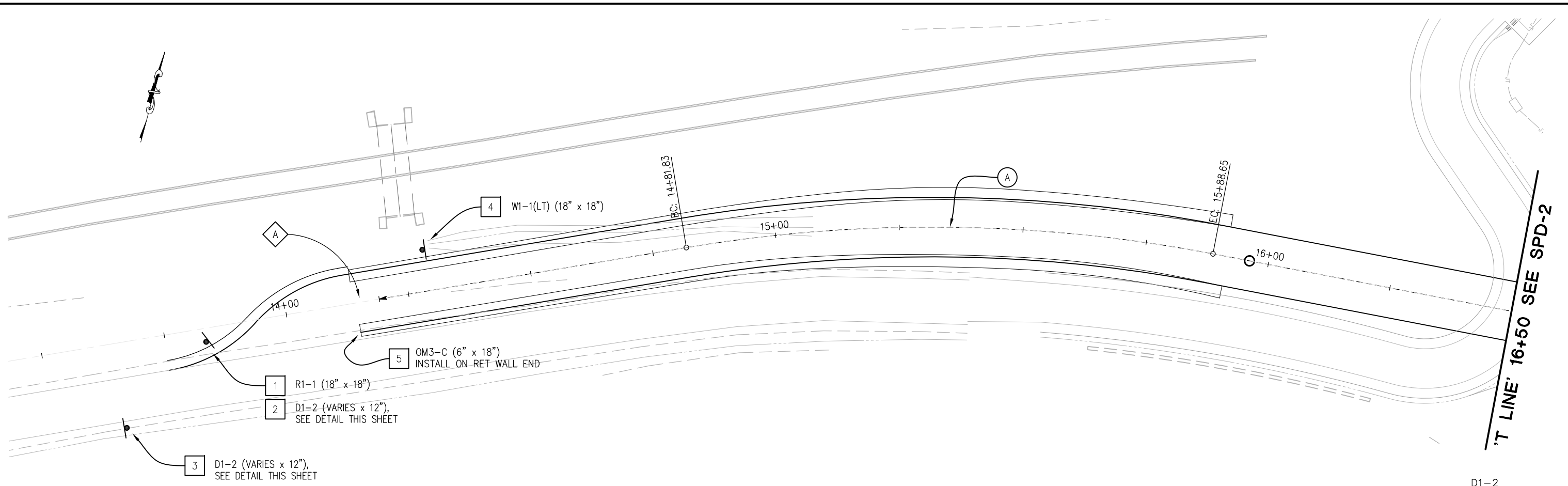


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

**EL DORADO TRAIL-
 MISSOURI FLAT ROAD
 BIKE/PEDESTRIAN OVERCROSSING
 PHASE 2**

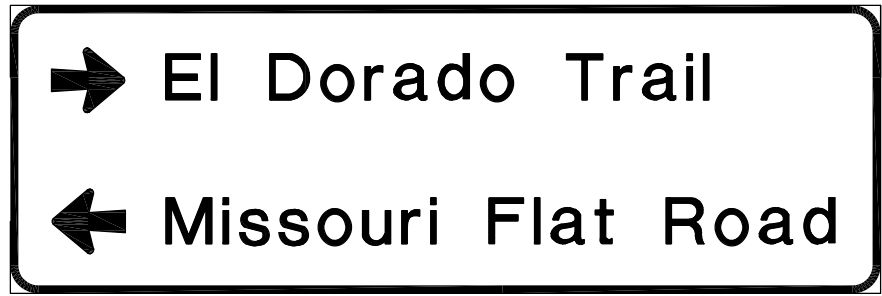
SHEET
CS-1
 14 OF 42
 W.O. No. **97015**

ORIGINAL SCALE IS IN INCHES
 Drawing name: Z:\Civil_3D\Projects\97015 El Dorado_POC\CADD_Files\Sheets\SPD_Sheets.dwg Layout Tab: SPD-1 Jan 08, 2024 - 12:17pm Dharrington
 FOR REDUCED PLANS



LEGEND:

- XX - SIGN NUMBER
- EXIST SIGN
- INSTALL SIGN SINGLE POST PER DETAIL 'B' ON SHEET SPD-4
- A - DASHED CENTERLINE STRIPE PER DETAIL 'A' ON SHEET SPD-4
- LIMITS OF DESIGNATED STRIPES AND DETAILS



6" UPPER CASE
4 1/2" LOWER CASE

SIGN DETAIL 2
NO SCALE



SIGN DETAIL 3
NO SCALE

THIS SHEET ACCURATE FOR SIGNING AND PAVEMENT DELINEATION WORK ONLY

PAVEMENT & SIGN DELINEATION
SCALE : 1" = 20'

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



PREPARED UNDER THE SUPERVISION OF:

 REGISTERED CIVIL ENGINEER
 DATE: 1/23/2024

DESIGNED: AN
 DRAWN: AN
 CHECKED: DH
 DATE: 6/4/2020
 ROAD NUMBER: --

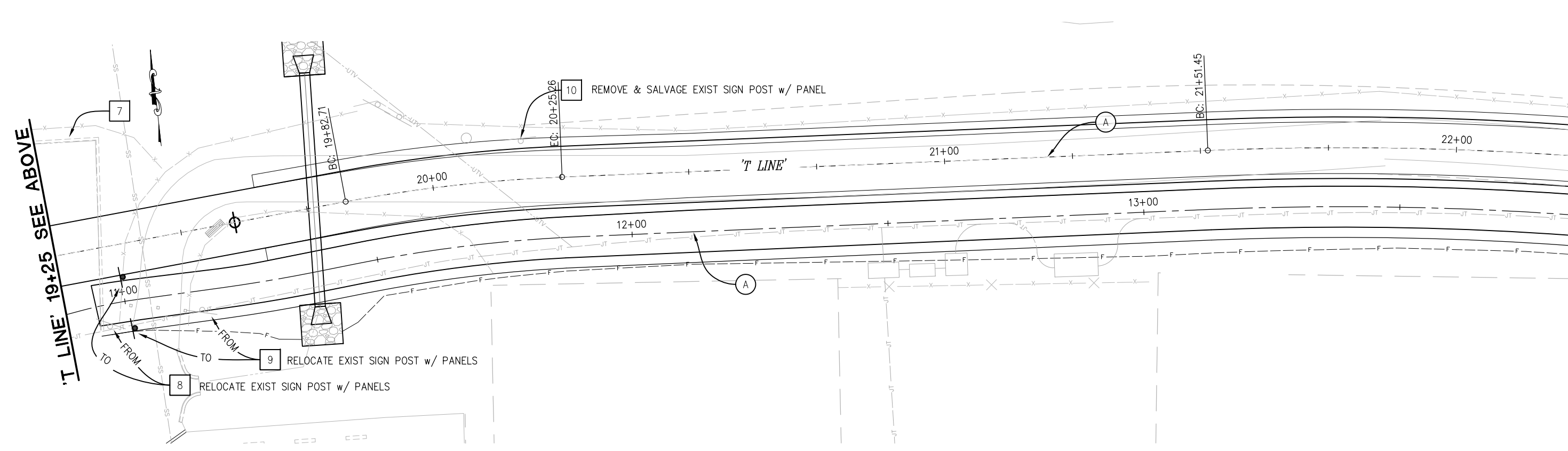
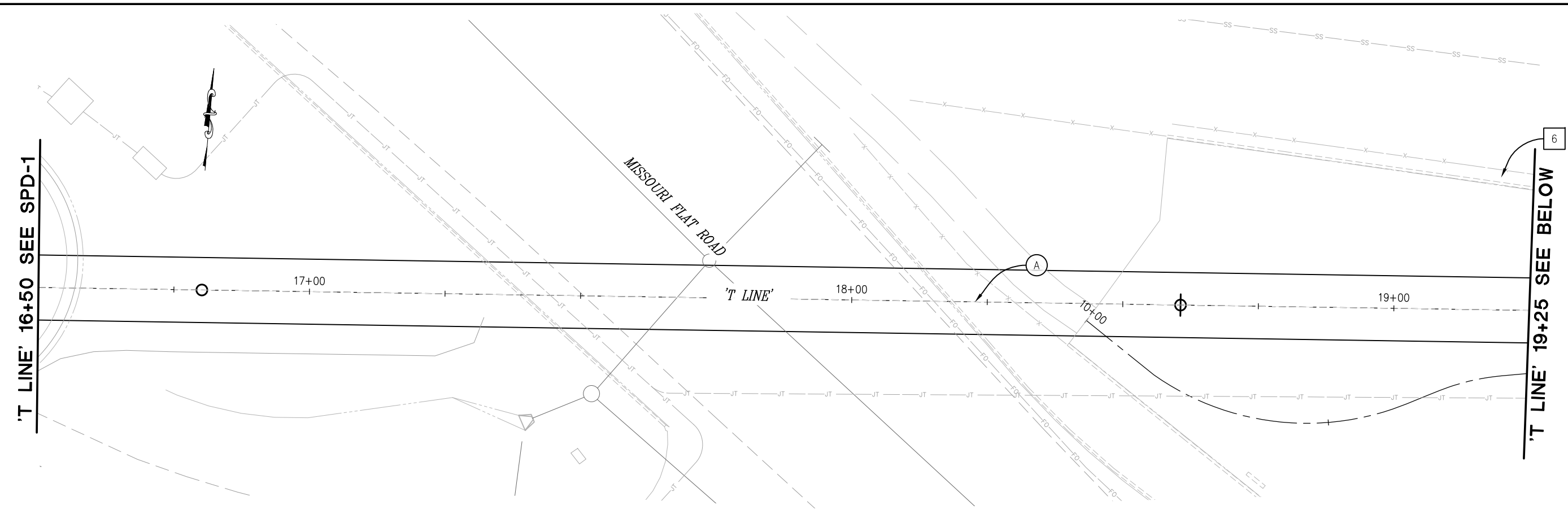


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

EL DORADO TRAIL-
MISSOURI FLAT ROAD
BIKE/PEDESTRIAN OVERCROSSING
PHASE 2

SHEET
SPD-1
15 OF 42
W.O. No. 97015

ORIGINAL SCALE IS IN INCHES
 Drawing name: Z:\Civil 3D\Projects\97015 El Dorado_POC\CADD_Files\Sheets\SPD_Sheets.dwg Layout Tab: SPD-2 Jan 08, 2024 - 12:17pm Dharrington



THIS SHEET ACCURATE FOR SIGNING AND PAVEMENT DELINEATION WORK ONLY

PAVEMENT & SIGN DELINEATION
SCALE : 1" = 20'

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



PREPARED UNDER THE SUPERVISION OF :

 REGISTERED CIVIL ENGINEER
 DATE: 1/23/2024

DESIGNED: AN
 DRAWN: AN
 CHECKED: DH
 DATE: 8/31/2020
 ROAD NUMBER: --



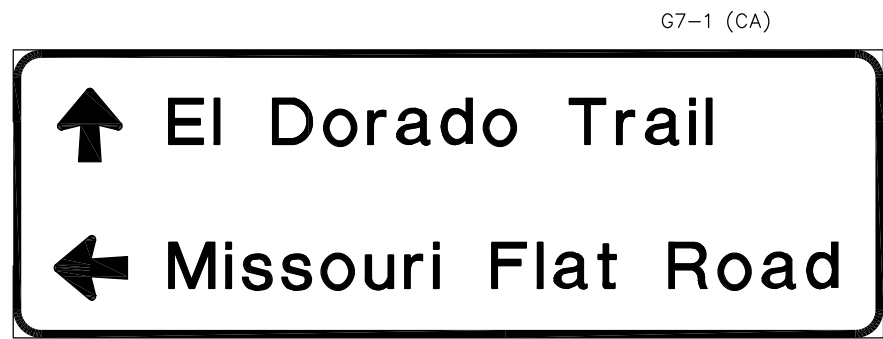
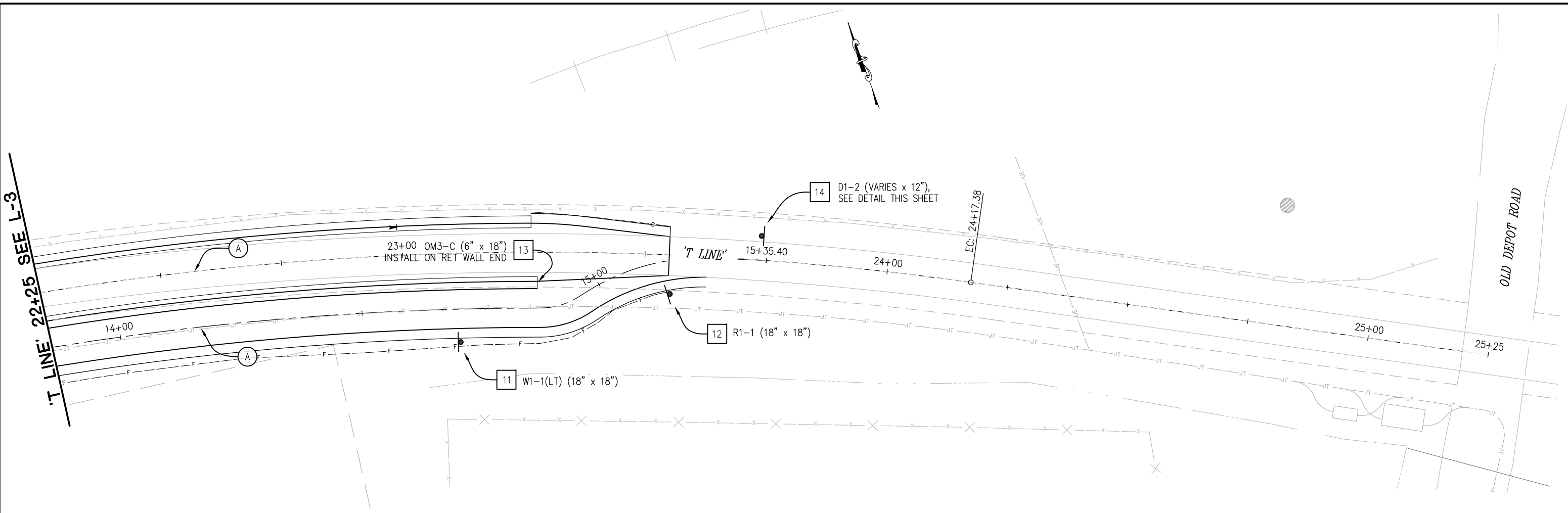
COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

EL DORADO TRAIL-
MISSOURI FLAT ROAD
BIKE/PEDESTRIAN OVERCROSSING
PHASE 2

SHEET
SPD-2
16 OF 42
W.O. No. 97015

ORIGINAL SCALE IS IN INCHES
Drawing name: Z:\Civil 3D Projects\97015 El Dorado_POC\CADD Files\Sheets\SPD_Sheets.dwg Layout Tab: SPD-3 Jan 08, 2024 - 12:18pm Dharrington

FOR REDUCED PLANS
2
1
0



SIGN DETAIL 14
NO SCALE

THIS SHEET ACCURATE FOR SIGNING AND PAVEMENT DELINEATION WORK ONLY

PAVEMENT & SIGN DELINEATION
SCALE : 1" = 20'

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



PREPARED UNDER THE SUPERVISION OF :
[Signature]
REGISTERED CIVIL ENGINEER
DATE: 1/23/2024

DESIGNED: AN
DRAWN: AN
CHECKED: DH
DATE: 8/31/2020
ROAD NUMBER: --

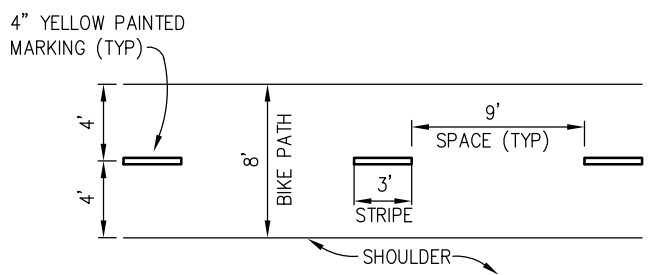


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

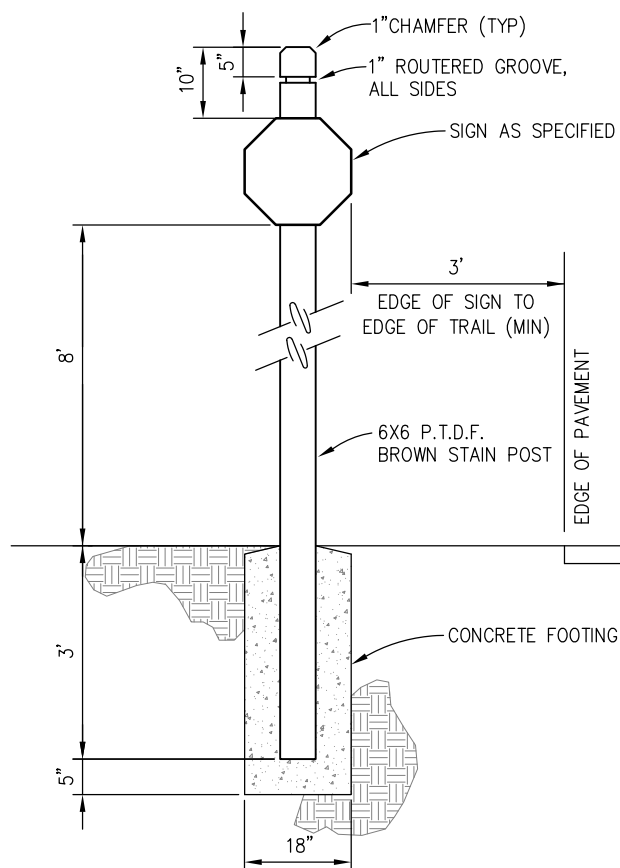
EL DORADO TRAIL
MISSOURI FLAT ROAD
PEDESTRIAN OVERCROSSING

SHEET
SPD-3
17 OF 42
W.O. No. 97015

ORIGINAL SCALE IS IN INCHES
 Drawing name: Z:\Civil 3D Projects\97015 El Dorado_POC\CADD Files\Sheets\SPD Sheets.dwg Layout Tab: SPD-4 Jan 08, 2024 - 12:18pm Dharrington
 FOR REDUCED PLANS



A **DASHED CENTERLINE STRIPING DETAIL**
NO SCALE



B **SIGN POST DETAIL**
NO SCALE

NOTE:
 1. COUNTY WILL FURNISH (4) 16' 6x6 SIGN POSTS FOR CONTRACTOR'S USE

THIS SHEET ACCURATE FOR SIGNING AND PAVEMENT DELINEATION WORK ONLY

PAVEMENT & SIGN DELINEATION
SCALE : 1" = 20'

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



PREPARED UNDER THE SUPERVISION OF :
[Signature]
 REGISTERED CIVIL ENGINEER
 DATE: 1/23/2024

DESIGNED: AN
 DRAWN: AN
 CHECKED: DH
 DATE: 8/31/2020
 ROAD NUMBER: --

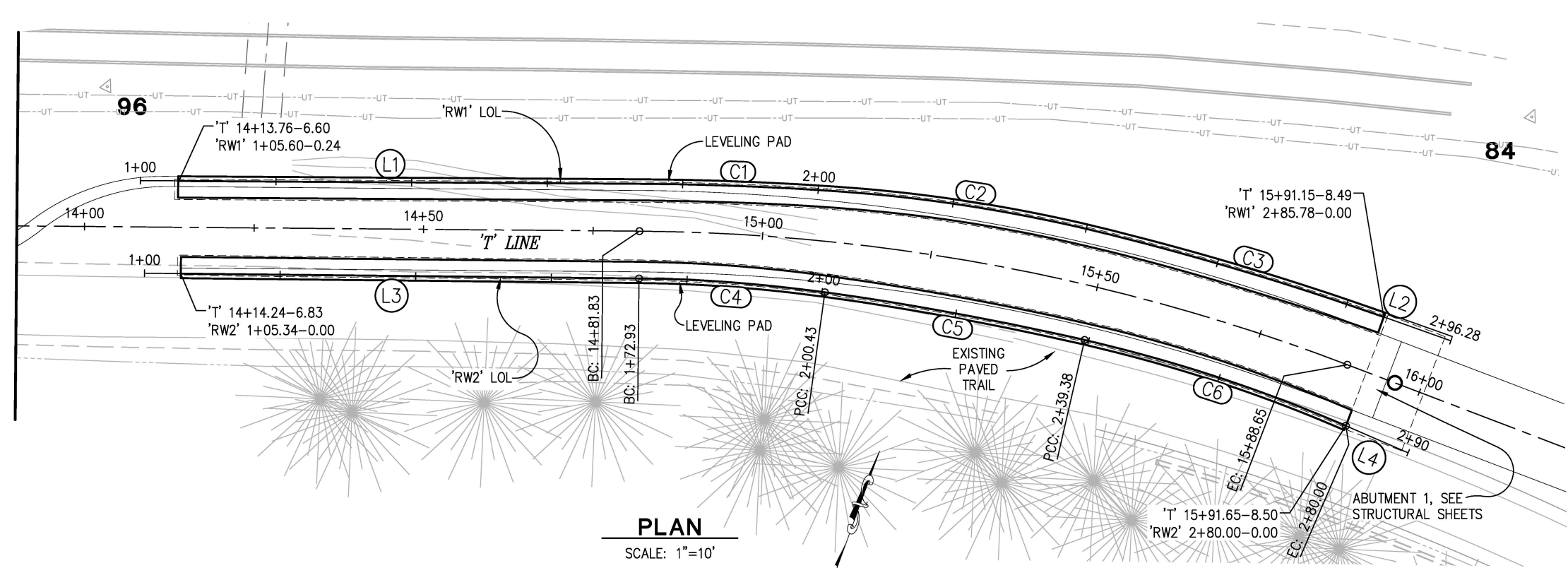


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

EL DORADO TRAIL
MISSOURI FLAT ROAD
PEDESTRIAN OVERCROSSING

SHEET
SPD-4
18 OF 42
W.O. No. 97015

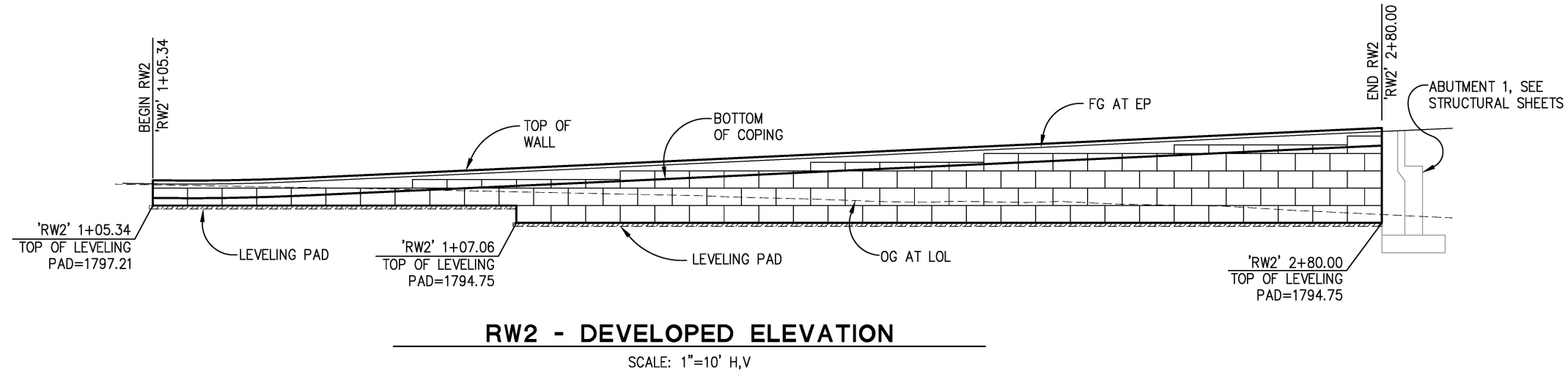
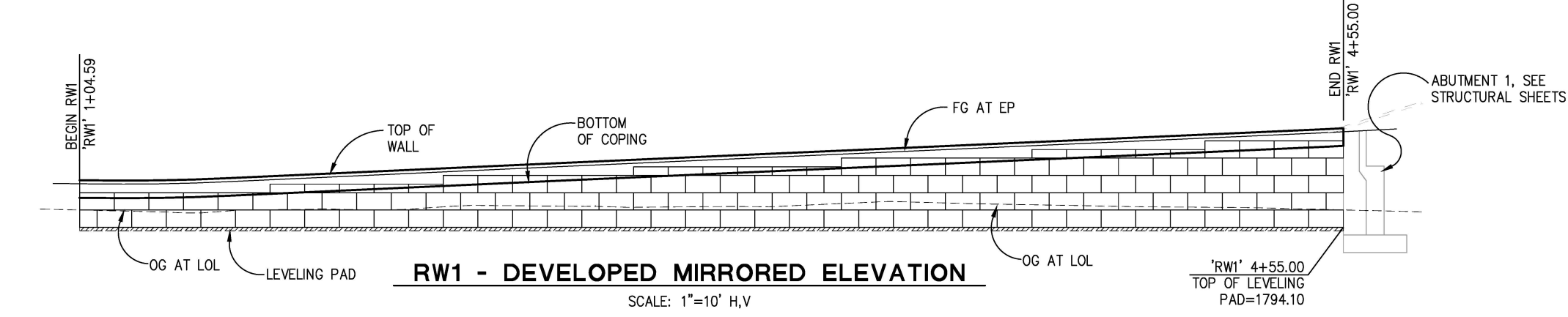
ORIGINAL SCALE IS IN INCHES
 Drawing name: Z:\Civil 3D Projects\97015 El Dorado_POC\CADD Files\Sheets\RW-Sheets.dwg Layout Tab: RW-1 Jan 08, 2024 12:08pm Dharrington
 FOR REDUCED PLANS



| 'RW1' LOL | | | | |
|-----------|--------|--------|---------------------------------|-------------|
| NUMBER | LENGTH | RADIUS | LINE / CHORD DIRECTION & LENGTH | DELTA |
| L1 | 73.67 | | N 65° 21' 54" E | |
| C1 | 28.85 | 461.18 | N 67° 08' 43" E - 28.84 | 3° 35' 02" |
| C2 | 41.06 | 233.08 | N 73° 59' 02" E - 41.01 | 10° 05' 35" |
| C3 | 42.70 | 444.72 | N 81° 46' 51" E - 42.68 | 5° 30' 03" |
| L2 | 10.00 | | N 84° 31' 52" E | |

| 'RW2' LOL | | | | |
|-----------|--------|--------|---------------------------------|-------------|
| NUMBER | LENGTH | RADIUS | LINE / CHORD DIRECTION & LENGTH | DELTA |
| L3 | 72.93 | | N 65° 36' 25" E | |
| C4 | 27.50 | 216.40 | N 69° 14' 52" E - 27.48 | 7° 16' 54" |
| C5 | 38.95 | 441.74 | N 75° 24' 54" E - 38.94 | 5° 03' 09" |
| C6 | 40.62 | 222.58 | N 83° 10' 08" E - 40.56 | 10° 27' 20" |
| L4 | 10.00 | | N 88° 23' 49" E | |

| TOP OF WALL ELEVATION TABLE RETAINING WALL 'RW1' & 'RW2' | | | |
|---|-----------------------|-----------------------|-----------------------|
| 'RW1' LINE STATION | TOP OF WALL ELEVATION | 'RW2' LINE STATION | TOP OF WALL ELEVATION |
| 'RW1' 1+05.60 (BEGIN) | 1800.80 | 'RW2' 1+05.34 (BEGIN) | 1800.79 |
| 'RW1' 1+20 | 1800.86 | 'RW2' 1+20 | 1800.88 |
| 'RW1' 1+40 | 1801.69 | 'RW2' 1+40 | 1801.73 |
| 'RW1' 1+60 | 1802.60 | 'RW2' 1+60 | 1802.64 |
| 'RW1' 1+80 | 1803.51 | 'RW2' 1+80 | 1803.56 |
| 'RW1' 2+00 | 1804.40 | 'RW2' 2+00 | 1804.49 |
| 'RW1' 2+20 | 1805.28 | 'RW2' 2+20 | 1805.42 |
| 'RW1' 2+40 | 1806.16 | 'RW2' 2+40 | 1806.35 |
| 'RW1' 2+60 | 1807.05 | 'RW2' 2+60 | 1807.29 |
| 'RW1' 2+80 | 1807.94 | 'RW2' 2+80 (END) | 1808.21 |
| 'RW1' 2+85.18 (END) | 1808.19 | | |



- ELEVATION LEGEND:**
- — FULL CAP BLOCK (1.25' x 2.5' x 5')
 - — FULL BLOCK (2.5' x 2.5' x 5')
 - — HALF BLOCK (2.5' x 2.5' x 2.5')
 - ▨ — CONCRETE LEVELING PAD (0.5' x 3')

RETAINING WALLS 1 & 2
SCALE : AS SHOWN

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



PREPARED UNDER THE SUPERVISION OF:

 REGISTERED CIVIL ENGINEER
 DATE: 1/23/2024

DESIGNED: DH
 DRAWN: SM
 CHECKED: DH
 DATE: 10/27/23
 ROAD NUMBER: --

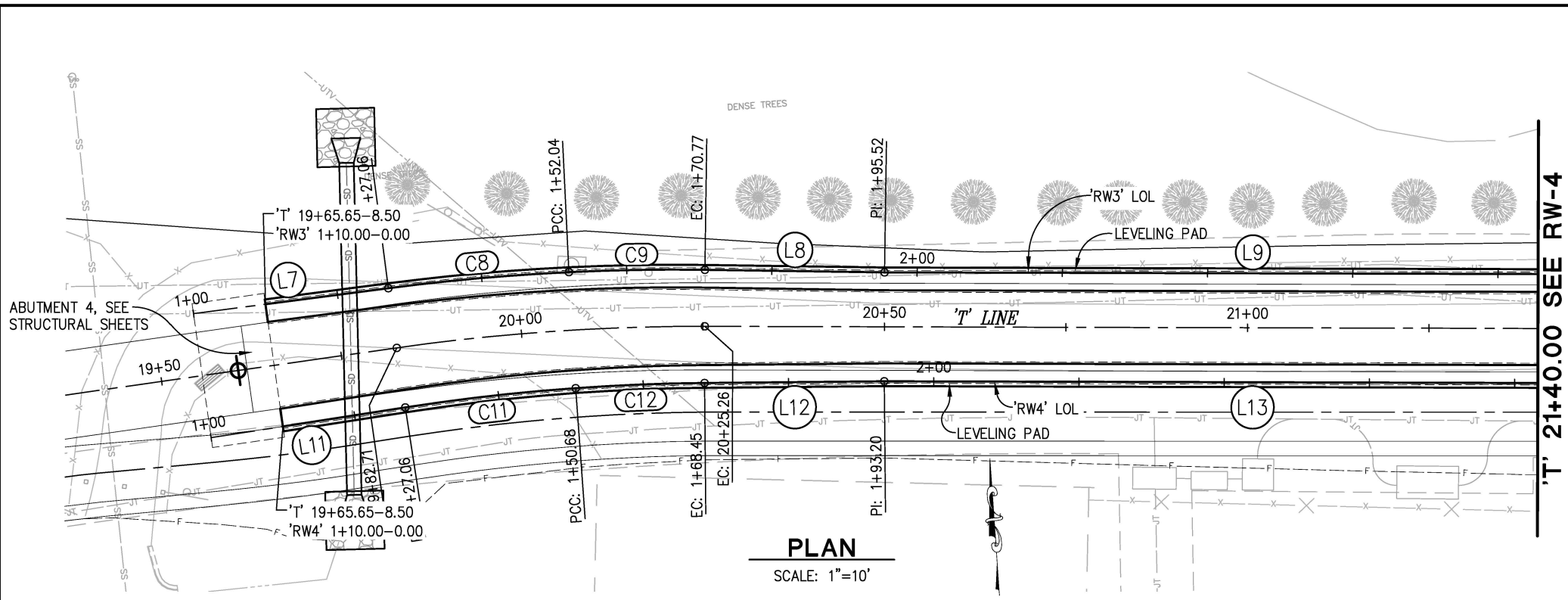


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

**EL DORADO TRAIL-
 MISSOURI FLAT ROAD
 BIKE/PEDESTRIAN OVERCROSSING
 PHASE 2**

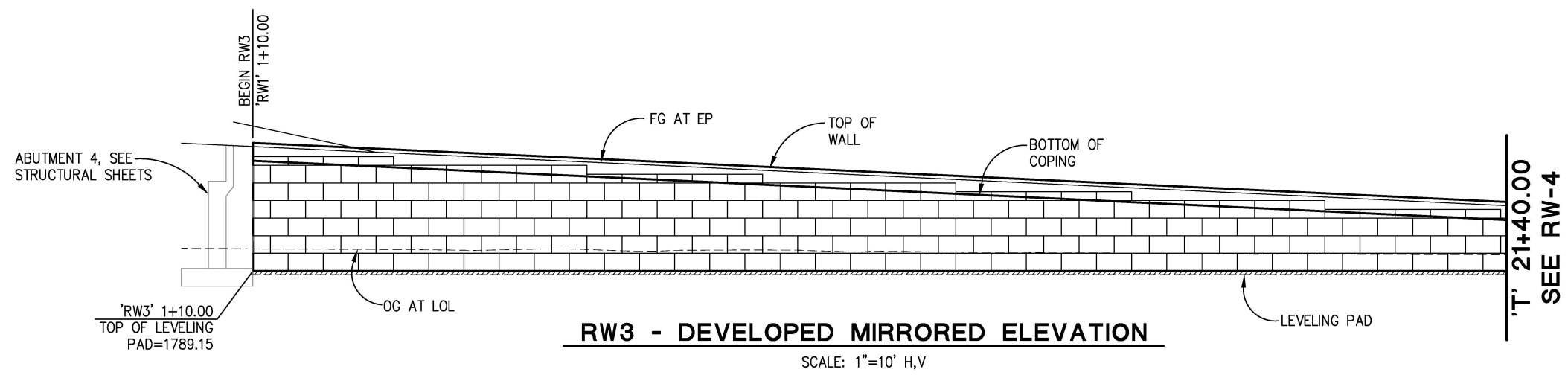
SHEET
RW-1
 19 OF 42
 W.G. No. **97015**

ORIGINAL SCALE IS IN INCHES
 Drawing name: Z:\Civil_3D\Projects\97015 El Dorado_POC\CADD_Files\Sheets\RW-Sheets.dwg Layout Tab: RW-2 Jan 08, 2024 12:08pm Dharrington
 FOR REDUCED PLANS

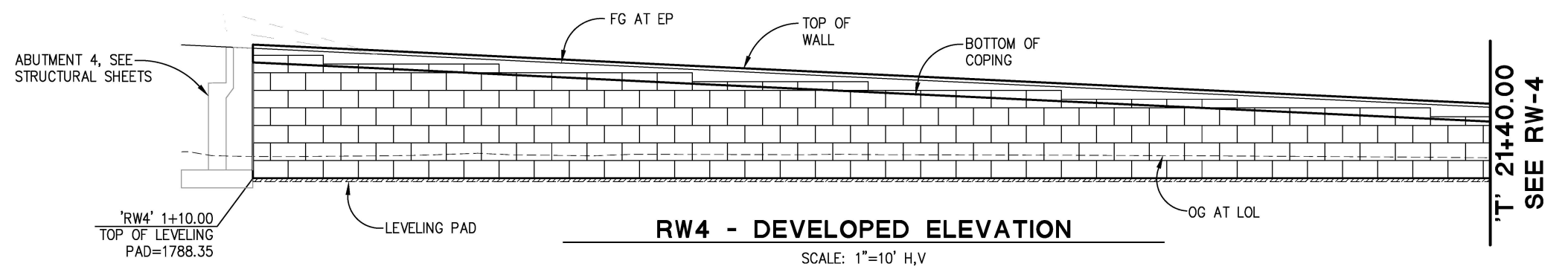


| 'RW3' LOL | | | | |
|-----------|--------|--------|---------------------------------|------------|
| NUMBER | LENGTH | RADIUS | LINE / CHORD DIRECTION & LENGTH | DELTA |
| L7 | 27.06 | | N 86° 34' 27" E | |
| C8 | 24.97 | 308.60 | N 88° 54' 57" E - 24.97 | 4' 38' 12" |
| C9 | 18.73 | 300.02 | S 86° 58' 37" E - 18.73 | 3' 34' 40" |
| L8 | 24.74 | | S 85° 11' 17" E | |
| L9 | 101.45 | | S 85° 51' 15" E | |

| 'RW4' LOL | | | | |
|-----------|--------|--------|---------------------------------|------------|
| NUMBER | LENGTH | RADIUS | LINE / CHORD DIRECTION & LENGTH | DELTA |
| L11 | 27.06 | | N 85° 11' 19" E | |
| C11 | 23.62 | 285.73 | N 87° 31' 43" E - 23.62 | 4' 44' 14" |
| C12 | 17.77 | 284.22 | S 88° 18' 42" E - 17.77 | 3' 34' 56" |
| L12 | 24.74 | | S 86° 31' 14" E | |
| L13 | 101.45 | | S 85° 51' 15" E | |



| TOP OF WALL ELEVATION TABLE RETAINING WALL 'RW3' & 'RW4' | | | |
|---|-----------------------|-----------------------|-----------------------|
| 'RW3' LINE STATION | TOP OF WALL ELEVATION | 'RW4' LINE STATION | TOP OF WALL ELEVATION |
| 'RW3' 1+10.00 (BEGIN) | 1807.06 | 'RW4' 1+10.00 (BEGIN) | 1807.06 |
| 'RW3' 1+20 | 1806.59 | 'RW4' 1+20 | 1806.59 |
| 'RW3' 1+40 | 1805.66 | 'RW4' 1+40 | 1805.63 |
| 'RW3' 1+60 | 1804.74 | 'RW4' 1+60 | 1804.65 |
| 'RW3' 1+80 | 1803.80 | 'RW4' 1+80 | 1803.69 |
| 'RW3' 2+00 | 1802.85 | 'RW4' 2+00 | 1802.74 |
| 'RW3' 2+20 | 1801.90 | 'RW4' 2+20 | 1801.79 |
| 'RW3' 2+40 | 1800.95 | 'RW4' 2+40 | 1800.84 |
| 'RW3' 2+60 | 1800.00 | 'RW4' 2+60 | 1800.00 |
| 'RW3' 2+80 | 1799.05 | 'RW4' 2+80 | 1798.94 |



- ELEVATION LEGEND:
- FULL CAP BLOCK (1.25' x 2.5' x 5')
 - FULL BLOCK (2.5' x 2.5' x 5')
 - HALF BLOCK (2.5' x 2.5' x 2.5')
 - CONCRETE LEVELING PAD (0.5' x 3')

RETAINING WALLS 3 & 4
SCALE : AS SHOWN

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



PREPARED UNDER THE SUPERVISION OF:

 REGISTERED CIVIL ENGINEER
 DATE: 1/23/2024

DESIGNED: DH
 DRAWN: SM
 CHECKED: DH
 DATE: 06/07/21
 ROAD NUMBER: --

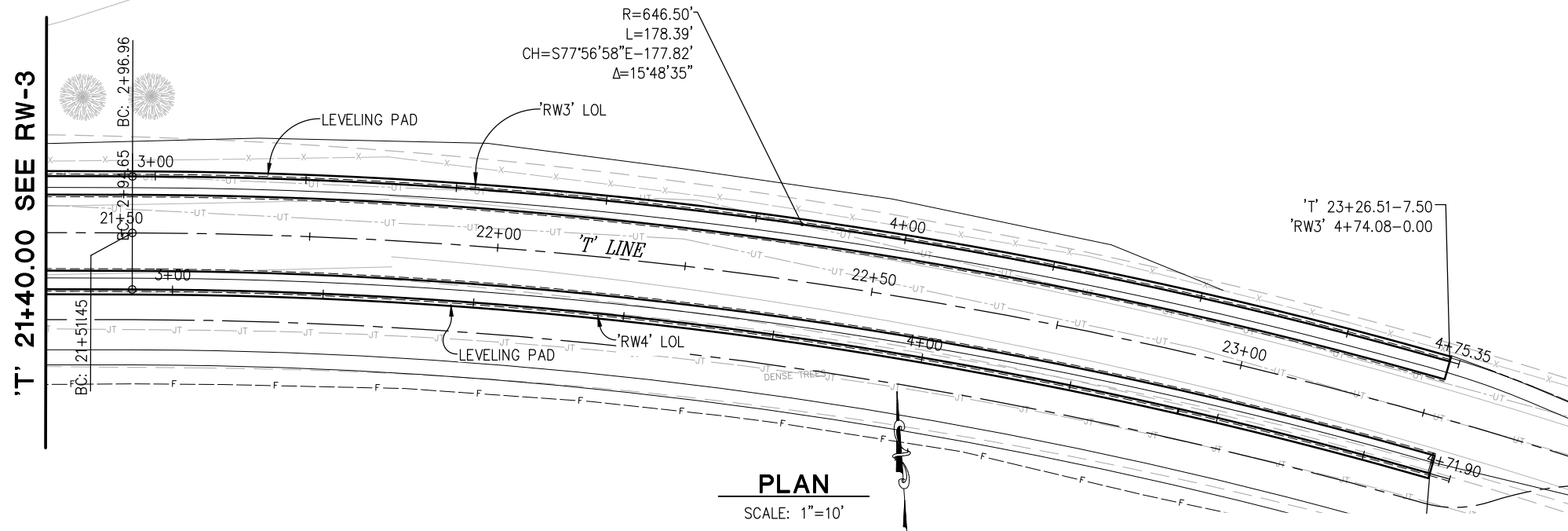


COUNTY OF EL DORADO
 DEPARTMENT OF TRANSPORTATION

EL DORADO TRAIL-
 MISSOURI FLAT ROAD
 BIKE/PEDESTRIAN OVERCROSSING
 PHASE 2

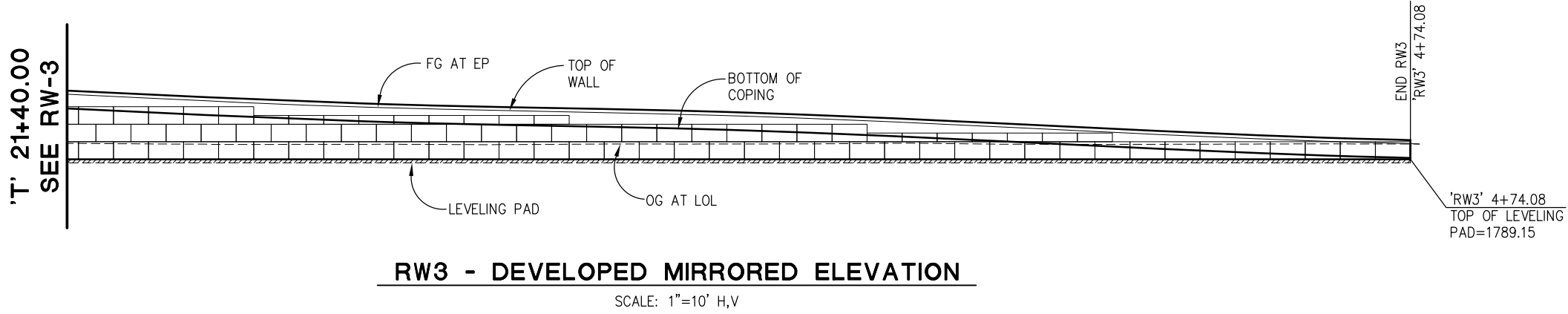
SHEET
 RW-2
 20 OF 42
 W.O. No. 97015

ORIGINAL SCALE IS IN INCHES
 Drawing name: Z:\Civil 3D Projects\97015 El Dorado_POC\CADD Files\Sheets\RW-Sheets.dwg Layout Tab: RW-3 Jan 08, 2024 -- 12:08pm Dharrington
 FOR REDUCED PLANS



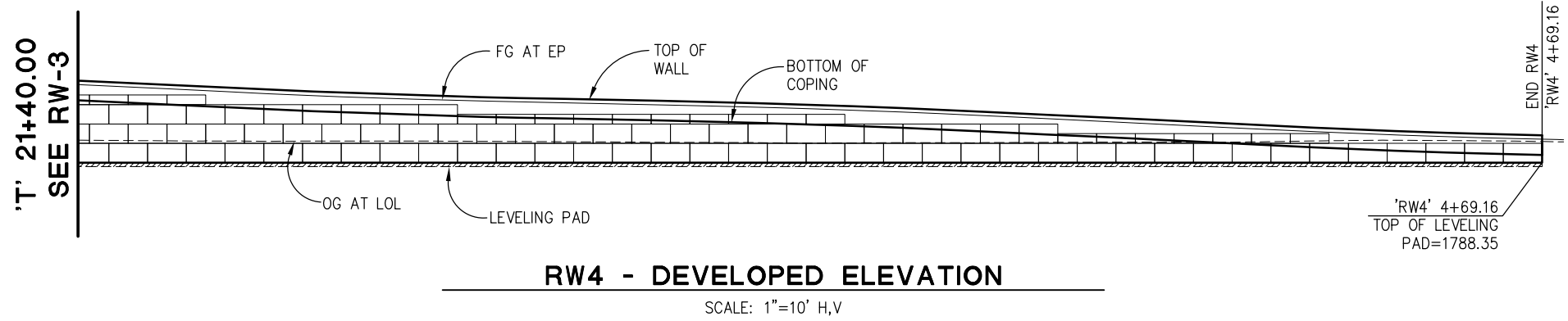
PLAN
SCALE: 1"=10'

| TOP OF WALL ELEVATION TABLE RETAINING WALL 'RW3' & 'RW4' | | | |
|---|-----------------------|-----------------------------|-----------------------|
| 'RW3' LINE STATION | TOP OF WALL ELEVATION | 'RW4' LINE STATION | TOP OF WALL ELEVATION |
| 'RW3' 3+00 | 1798.10 | 'RW4' 3+00 | 1797.99 |
| 'RW3' 3+20 | 1797.27 | 'RW4' 3+20 | 1797.16 |
| 'RW3' 3+40 | 1796.62 | 'RW4' 3+40 | 1796.55 |
| 'RW3' 3+48.51 (BEGIN LANDING) | 1796.44 | 'RW4' 3+45 (BEGIN LANDING) | 1796.45 |
| 'RW3' 3+59.64 (END LANDING) | 1796.24 | 'RW4' 3+55.87 (END LANDING) | 1796.24 |
| 'RW3' 3+60 | 1796.23 | 'RW4' 3+60 | 1796.15 |
| 'RW3' 3+80 | 1795.72 | 'RW4' 3+80 | 1795.58 |
| 'RW3' 4+00 | 1794.96 | 'RW4' 4+00 | 1794.74 |
| 'RW3' 4+20 | 1794.03 | 'RW4' 4+20 | 1793.78 |
| 'RW3' 4+40 | 1793.90 | 'RW4' 4+40 | 1792.82 |
| 'RW3' 4+60 | 1792.26 | 'RW4' 4+60 | 1792.06 |
| 'RW3' 4+74.08 (END) | 1791.84 | 'RW4' 4+69.16 (END) | 1791.84 |



RW3 - DEVELOPED MIRRORED ELEVATION
SCALE: 1"=10' H,V

- ELEVATION LEGEND:**
- FULL CAP BLOCK (1.25' x 2.5' x 5')
 - FULL BLOCK (2.5' x 2.5' x 5')
 - HALF BLOCK (2.5' x 2.5' x 2.5')
 - CONCRETE LEVELING PAD (0.5' x 3')



RW4 - DEVELOPED ELEVATION
SCALE: 1"=10' H,V

RETAINING WALLS 3 & 4
SCALE : AS SHOWN

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



PREPARED UNDER THE SUPERVISION OF:

 REGISTERED CIVIL ENGINEER
 DATE: 1/23/2024

DESIGNED: DH
 DRAWN: SM
 CHECKED: DH
 DATE: 10/27/23
 ROAD NUMBER: --

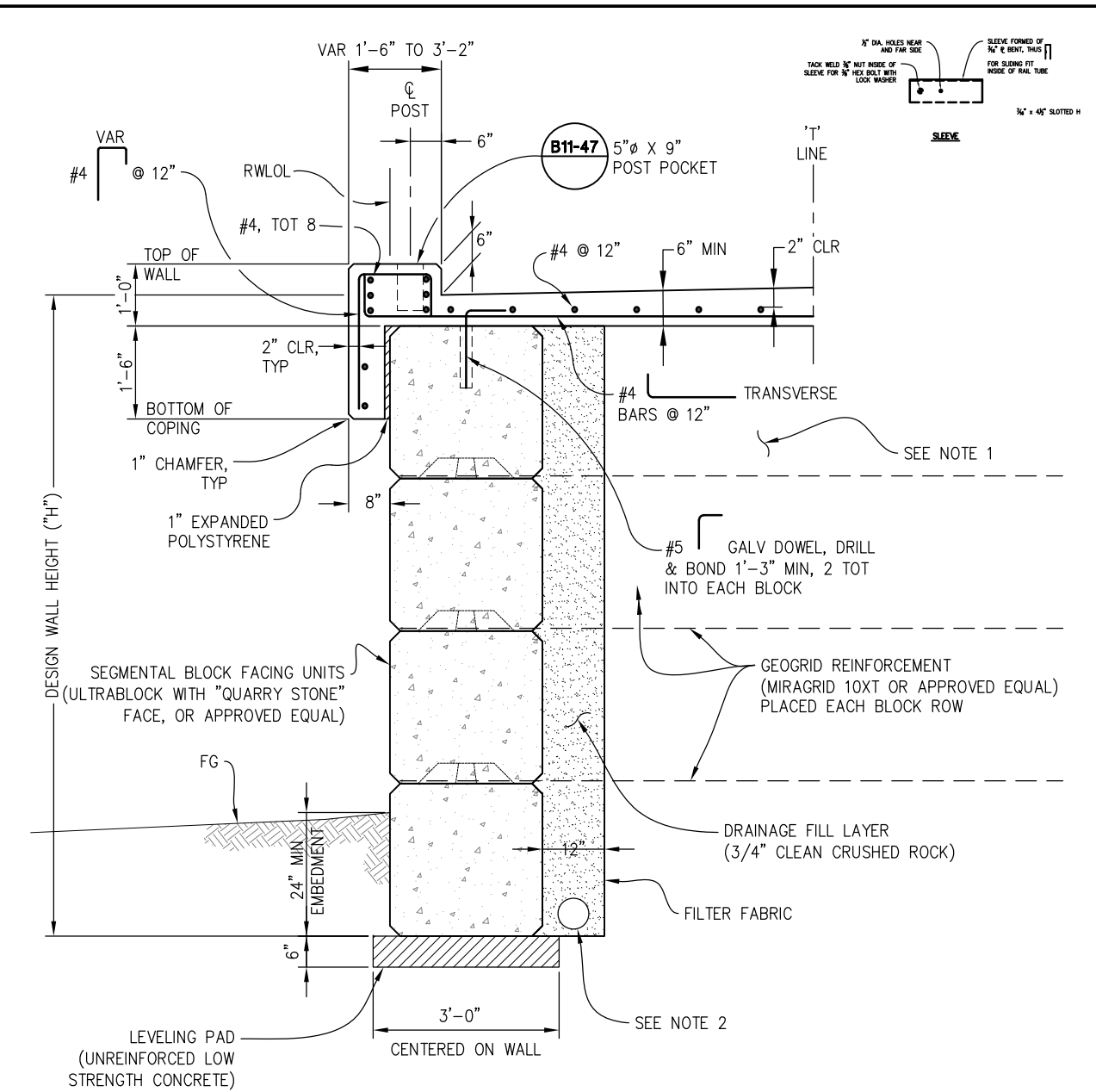
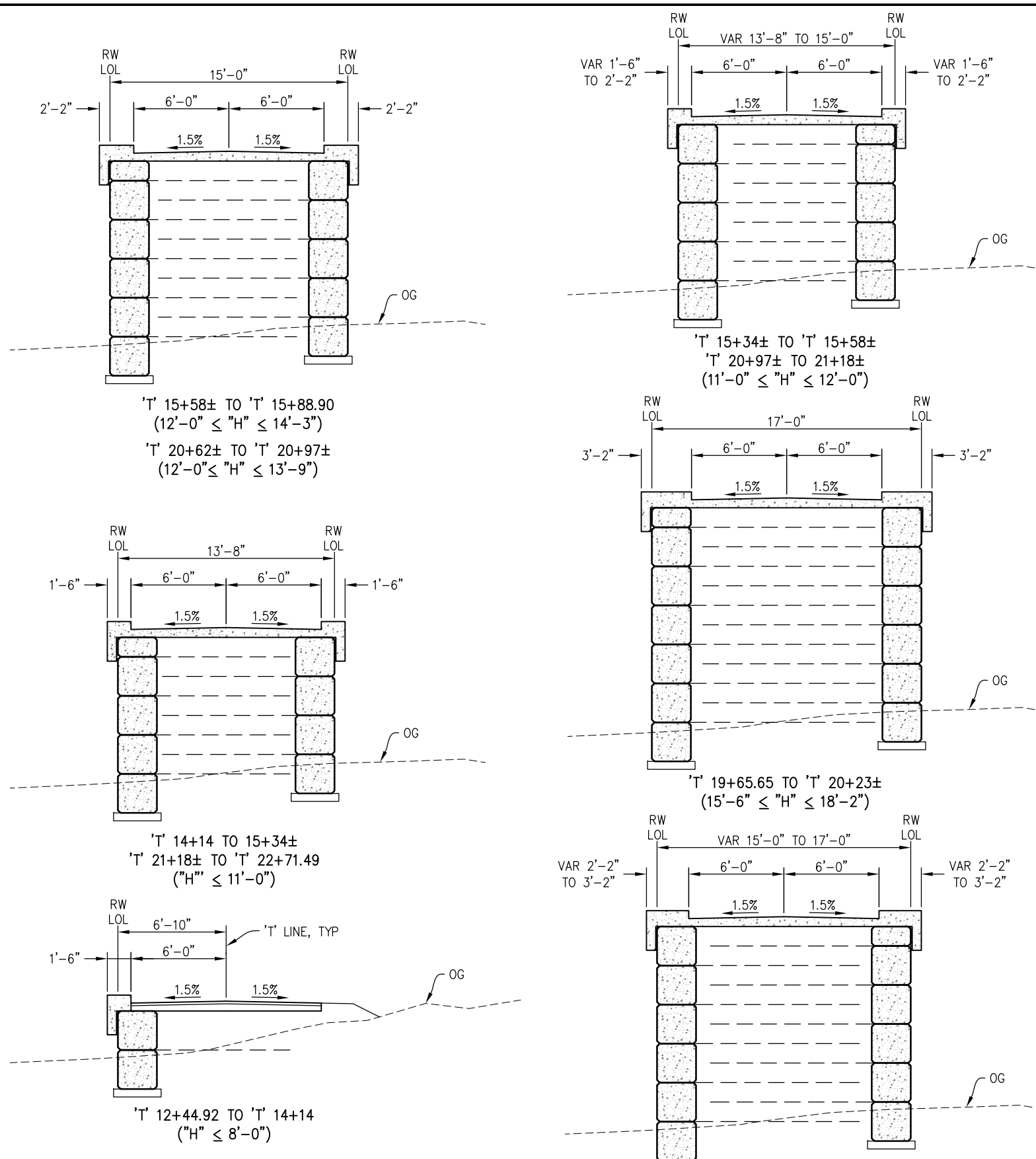


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

**EL DORADO TRAIL-
MISSOURI FLAT ROAD
BIKE/PEDESTRIAN OVERCROSSING
PHASE 2**

SHEET
RW-3
21 OF 42
W.O. No. **97015**

ORIGINAL SCALE IS IN INCHES
 Drawing name: Z:\Civil 3D Projects\97015 El Dorado POC\CADD Files\Sheets\RW-Sheets.dwg Layout Tab: RW-4 Jan 08, 2024 - 12:08pm Dharrington
 FOR REDUCED PLANS



- NOTES:**
- SLURRY CEMENT BACKFILL MAY BE USED BETWEEN SLAB AND STRUCTURE BACKFILL ZONE. MAINTAIN MINIMUM 15" STRUCTURE BACKFILL (GRANULAR) MATERIAL ABOVE TOP GEOGRID REINFORCEMENT.
 - PERFORATED PLASTIC PIPE TO BE 8" DIA CORRUGATED HDPE OR 4" DIA SMOOTH WALL PVC.



PREPARED UNDER THE SUPERVISION OF:
 [Signature]
 REGISTERED CIVIL ENGINEER
 DATE: 1/23/2024

DESIGNED: DH
 DRAWN: SM
 CHECKED: DH
 DATE: 06/07/21
 ROAD NUMBER: --

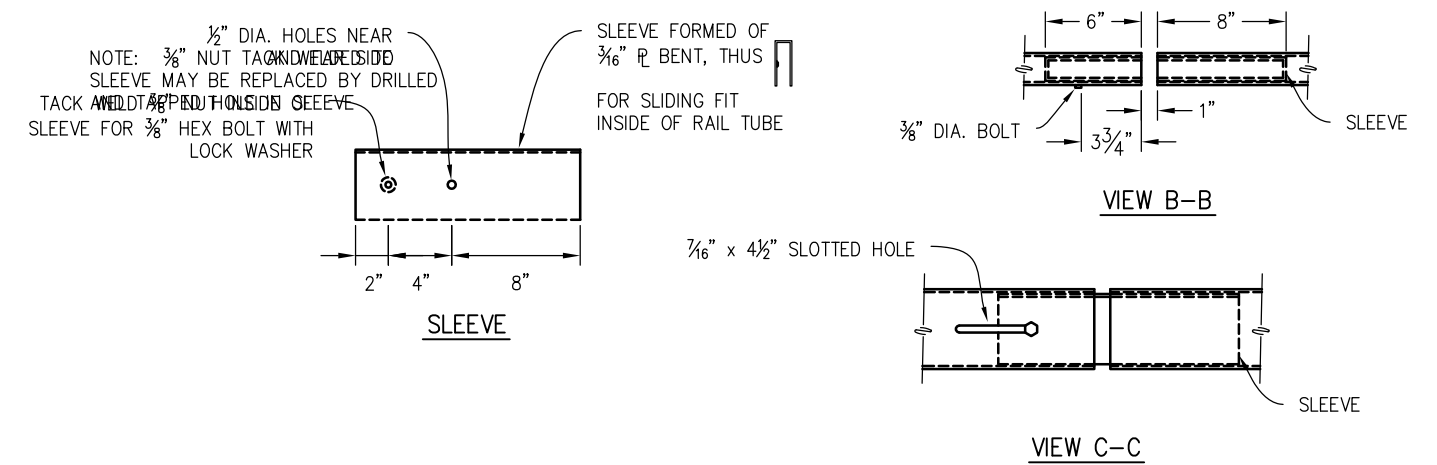
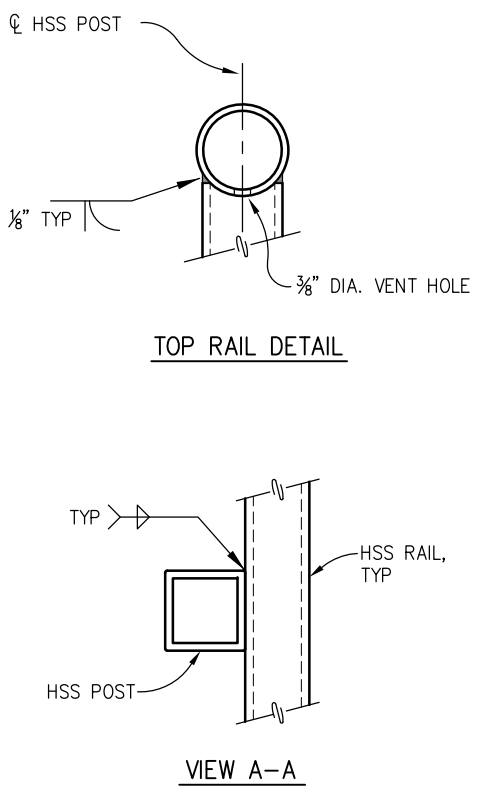
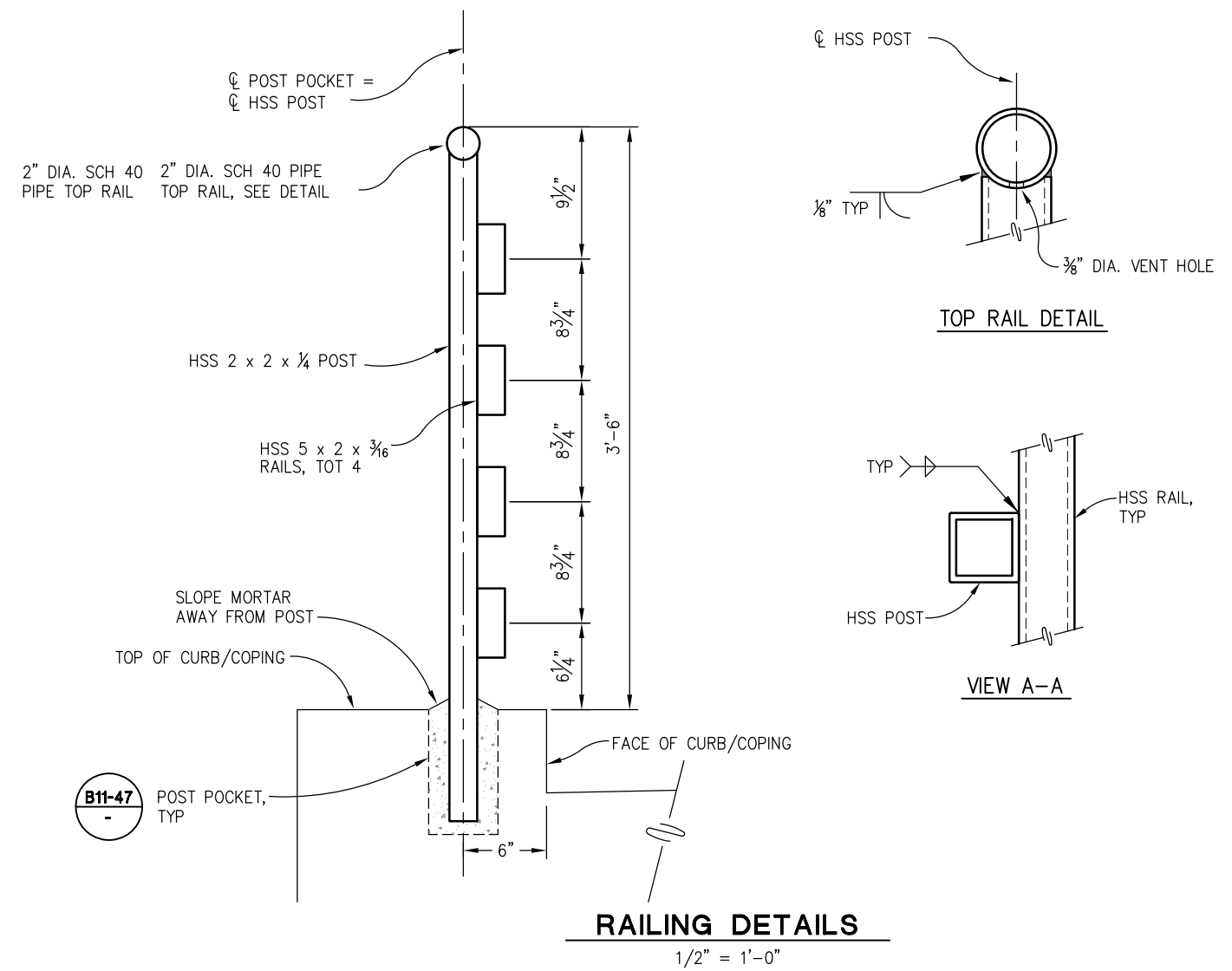


COUNTY OF EL DORADO
 DEPARTMENT OF TRANSPORTATION

EL DORADO TRAIL-
 MISSOURI FLAT ROAD
 BIKE/PEDESTRIAN OVERCROSSING
 PHASE 2

SHEET
RW-4
 22 OF 42
 W.O. No. 97015

ORIGINAL SCALE IS IN INCHES
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 FOR REDUCED PLANS
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TUBE SPLICE DETAILS
NO SCALE

TUBULAR RAILING DETAILS
SCALE : AS SHOWN

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



PREPARED UNDER THE SUPERVISION OF :

 REGISTERED CIVIL ENGINEER
 DATE: 1/23/2024

DESIGNED: DH
 DRAWN: SM
 CHECKED: DH
 DATE: 02/26/21
 ROAD NUMBER: --

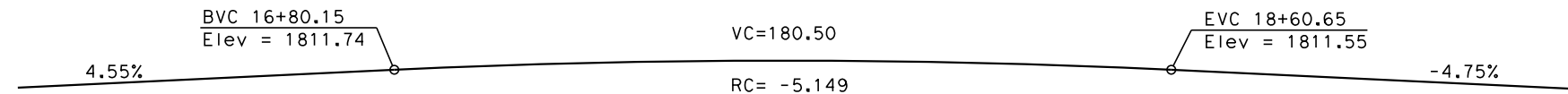


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

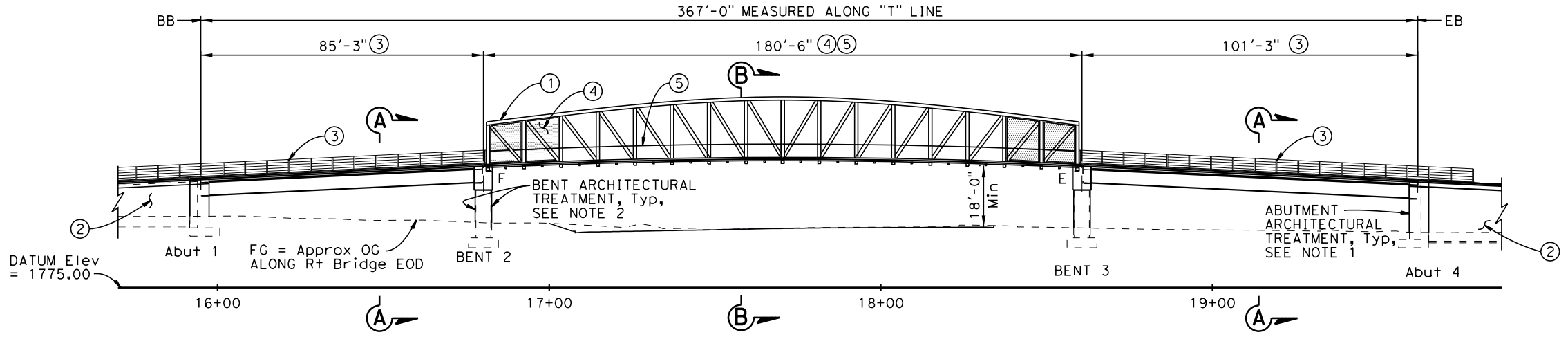
EL DORADO TRAIL-
MISSOURI FLAT ROAD
BIKE/PEDESTRIAN OVERCROSSING
PHASE 2

SHEET
RW-5
 23 OF 42
 W.O. No. **97015**

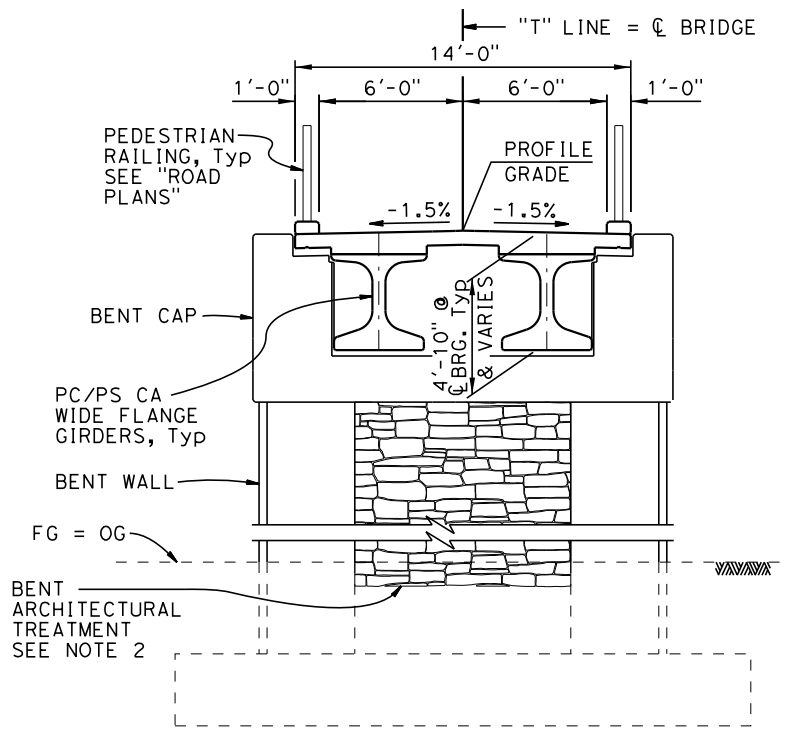
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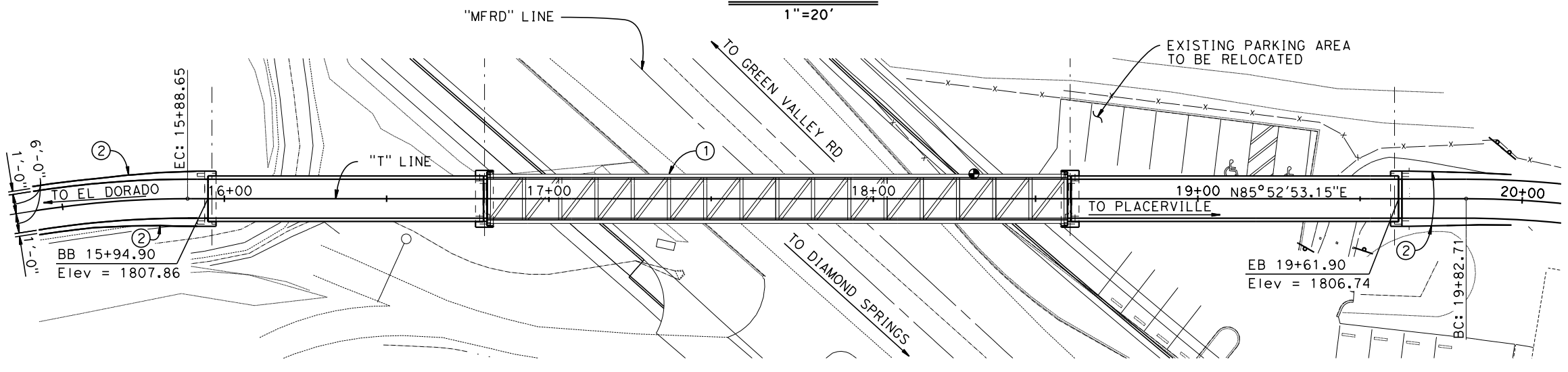
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NO SCALE



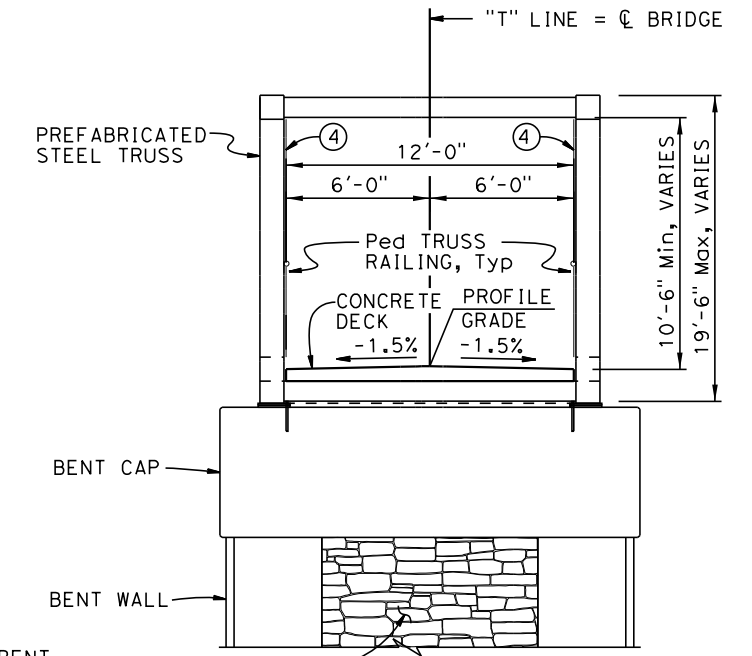
ELEVATION
1"=20'



SECTION A-A
1/4"=1'-0"



PLAN
1"=20'



SECTION B-B
1/4"=1'-0"

LEGEND:

- ① Prefabricated Weathering Steel Truss
- ② Approach Wall see "ROAD PLANS"
- ③ Pedestrian Railing see "ROAD PLANS"
- ④ Wire mesh panel, typical each bay
- ⑤ Pedestrian Truss Railing
- Indicates Point of Minimum Vertical Clearance

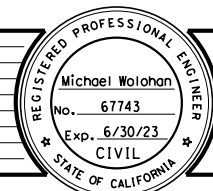
NOTES:

1. See "ABUTMENT 1 LAYOUT", "ABUTMENT 2 LAYOUT" and "ABUTMENT DETAILS NO. 3" sheets for limits of abutment architectural treatment.
2. See "BENT DETAILS NO. 3" sheet for limits of bent architectural treatment.

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PREPARED UNDER THE SUPERVISION OF:
Michael M. Wolohan
REGISTERED CIVIL ENGINEER
1/24/2022

DESIGNED: M. W.
DRAWN: H. H.
CHECKED: P. B.
DATE: 3/6/2020
ROAD NUMBER:



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

EL DORADO TRAIL
MISSOURI FLAT ROAD
PEDESTRIAN OVERCROSSING

SHEET
S-1
24 of 42
W.O. No.

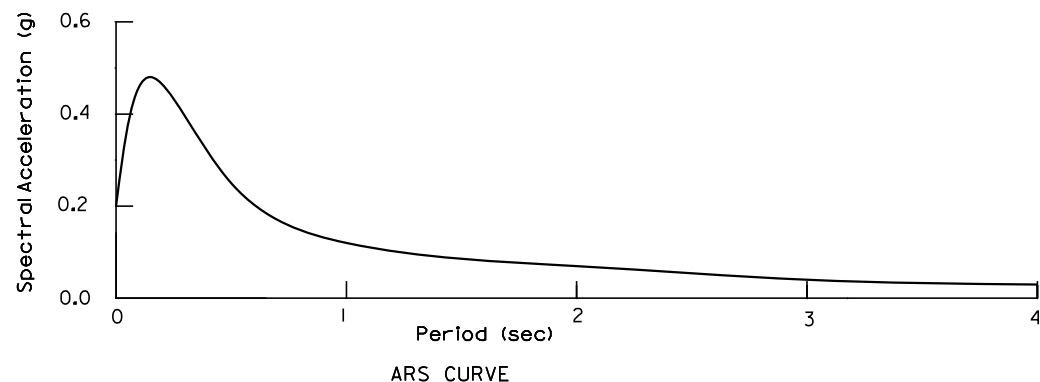
GENERAL NOTES
LOAD AND RESISTANCE FACTOR DESIGN

DESIGN: AASHTO LRFD Bridge Design Specifications, 6th Edition and the Caltrans Amendments, preface dated January 2014
AASHTO LRFD Guide Specification for the Design of Pedestrian Bridges, December 2009 with 2015 Interims

SEISMIC DESIGN: Caltrans Seismic Design Criteria (SDC) Version 2.0 April 2019

LIVE LOADING: H-10, 90 psf Pedestrian Live Load
Live load deflection shall not exceed L/360.

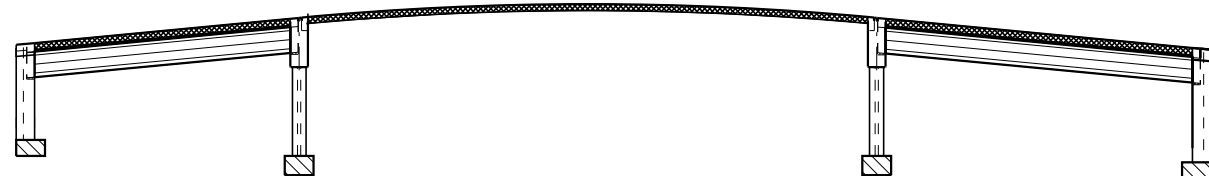
SEISMIC LOADING: Soil Profile: Vs30 = 2493 ft/sec
Moment Magnitude: Mmax = 6.3±0.25
Peak Ground Acceleration 0.20g



REINFORCED CONCRETE: fy = 60 ksi
f'c = 3.6 ksi, (EXCEPT AS SHOWN ON "CONCRETE STRENGTHS AND TYPE LIMITS")
n = 8

PRESTRESSED CONCRETE: See prestressing notes on "GIRDER LAYOUT NO. 1" sheet.

STRUCTURAL STEEL: TUBULAR SECTIONS - ASTM A847; fy = 50 ksi
PLATES & STRUCTURAL SHAPES - ASTM A709 GRADE 50W; fy = 50 ksi



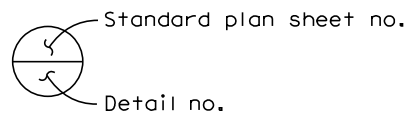
- STRUCTURAL CONCRETE, BRIDGE (POLYMER FIBER, 4.0 KSI @ 28 DAYS)
- STRUCTURAL CONCRETE, BRIDGE (4.0 KSI @ 28 DAYS)
- PC/PS CONCRETE GIRDER, SEE "GIRDER DETAILS"
- STRUCTURAL CONCRETE, BRIDGE FOOTING (3.6 KSI @ 28 DAYS)

CONCRETE STRENGTHS AND TYPE LIMITS

No Scale

STANDARD PLANS DATED, 2018

| DETAIL | DESCRIPTION |
|------------|--|
| A3A | Abbreviations (sheet 1 of 3) |
| A3B | Abbreviations (sheet 2 of 3) |
| A3C | Abbreviations (sheet 3 of 3) |
| A10A | Legend-Lines and Symbols (sheet 1 of 5) |
| A10B | Legend-Lines and Symbols (sheet 2 of 5) |
| A10C | Legend-Lines and Symbols (sheet 3 of 5) |
| A10D | Legend-Lines and Symbols (sheet 4 of 5) |
| A10E | Legend-Lines and Symbols (sheet 5 of 5) |
| A62C | Limits of Payment for Excavation and Backfill - Bridge |
| RSP B0-1 | Bridge Details |
| RSP B0-3 | Bridge Details |
| B0-5 | Bridge Details |
| B0-13 | Bridge Details |
| B6-21 | Joint Seals (Maximum Movement Rating = 2") |
| RSP B11-47 | Cable Railing |



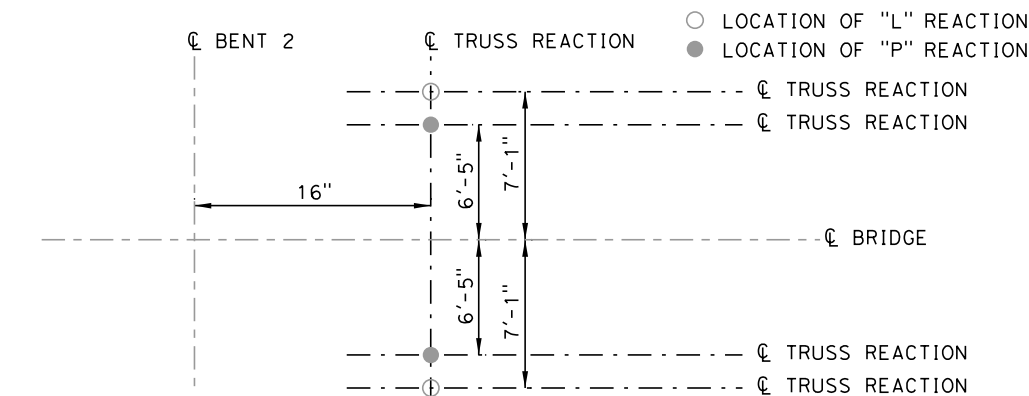
INDEX TO BRIDGE PLANS

| SHEET NO. | TITLE |
|-----------|------------------------------|
| 19 | GENERAL PLAN |
| 20 | INDEX TO PLANS |
| 21 | DECK CONTOURS |
| 22 | FOUNDATION PLAN |
| 23 | ABUTMENT 1 LAYOUT |
| 24 | ABUTMENT 4 LAYOUT |
| 25 | ABUTMENT DETAILS NO. 1 |
| 26 | ABUTMENT DETAILS NO. 2 |
| 27 | ABUTMENT DETAILS NO. 3 |
| 28 | BENT DETAILS NO. 1 |
| 29 | BENT DETAILS NO. 2 |
| 30 | BENT DETAILS NO. 3 |
| 31 | TYPICAL SECTION |
| 32 | PRECAST GIRDER LAYOUT |
| 33 | PRECAST GIRDER DETAILS NO. 1 |
| 34 | PRECAST GIRDER DETAILS NO. 2 |
| 35 | PRECAST GIRDER DETAILS NO. 3 |
| 36 | LOG OF TEST BORINGS 1 OF 2 |
| 37 | LOG OF TEST BORINGS 2 OF 2 |

QUANTITIES

| | | |
|---|-------|----|
| STRUCTURE EXCAVATION (BRIDGE) | 282 | CY |
| STRUCTURE BACKFILL (BRIDGE) | 205 | CY |
| FURNISH PRECAST PRESTRESSED CONCRETE GIRDER (80'-90') | 2 | EA |
| FURNISH PRECAST PRESTRESSED CONCRETE GIRDER (100'-110') | 2 | EA |
| ERECT PRECAST PRESTRESSED CONCRETE GIRDER | 4 | EA |
| STRUCTURAL CONCRETE, BRIDGE FOOTING | +00 | CY |
| STRUCTURAL CONCRETE, BRIDGE | +04 | CY |
| STRUCTURAL CONCRETE, BRIDGE (POLYMER FIBER) | 9+ | CY |
| JOINT SEAL (MR 1/2") | 78 | LF |
| BAR REINFORCING STEEL (BRIDGE) | 7653+ | LB |
| MINOR CONCRETE (BRIDGE CURB) | 7- | CY |
| PEDESTRIAN RAILING | 377 | LF |
| FURNISH PREFABRICATED STEEL TRUSS (VARIABLE DEPTH) | 1 | LS |
| INSTALL PREFABRICATED STEEL TRUSS (VARIABLE DEPTH) | 1 | LS |
| MISCELLANEOUS METAL (BRIDGE) | 182 | LB |
| ARCHITECTURAL TREATMENT | * | SF |

* DENOTES QUANTITY ITEMS TO BE VERIFIED AND OR UPDATED BY COUNTY PRIOR TO CONSTRUCTION



PREFABRICATED STEEL TRUSS REACTION LOCATIONS

(BENT 2 SHOWN, BENT 3 SIMILAR)

INDEX TO PLANS
SCALE AS SHOWN

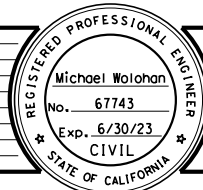
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Michael M. Wolohan
REGISTERED CIVIL ENGINEER
DATE: 1/24/2022

DESIGNED: M. W.
DRAWN: H. H.
CHECKED: P. B.
DATE: 3/6/2020
ROAD NUMBER:

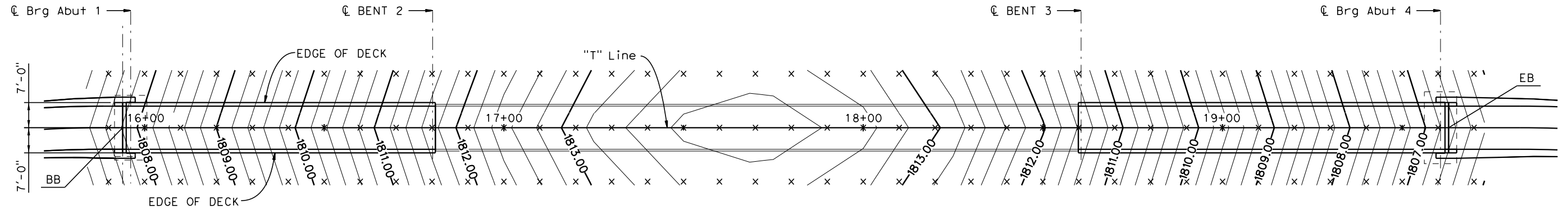


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

EL DORADO TRAIL
MISSOURI FLAT ROAD
PEDESTRIAN OVERCROSSING

SHEET
S-2
25 of 42
W.O. No.

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 2
 1
 0
 FOR REDUCED PLANS



Notes:

1. Contour Intervals = 0.20 feet.
2. Contours do not include camber.
3. x - Indicates 10' interval measured along station line.



DECK CONTOURS

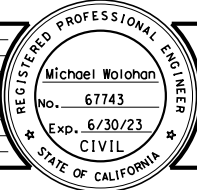
1"=15'

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



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Michael M. Wolohan
 REGISTERED CIVIL ENGINEER
 DATE: 1/24/2022

DESIGNED: M. W.
 CHECKED: P. B.
 ROAD NUMBER:
 DRAWN: H. H.
 DATE: 3/6/2020



COUNTY OF EL DORADO
 DEPARTMENT OF TRANSPORTATION

EL DORADO TRAIL
 MISSOURI FLAT ROAD
 PEDESTRIAN OVERCROSSING

SHEET
S-3
 26 of 42
 W.O. No.

DECK CONTOURS
 SCALE AS SHOWN

SPREAD FOOTING DATA TABLE

| Location | SERVICE ² PERMISSIBLE NET CONTACT STRESS (ksf) | STRENGTH/CONSTRUCTION ³ FACTORED GROSS NOMINAL BEARING RESISTANCE $\phi_b = 0.45$ (ksf) | EXTREME EVENT ³ FACTORED GROSS NOMINAL BEARING RESISTANCE $\phi_b = 1.00$ (ksf) |
|----------|--|---|---|
| Abut 1 | 22.5 | 9.5 | N/A |
| BENT 2 | 20.0 | 21.9 | 19.0 |
| BENT 3 | 22.0 | 22.9 | 21.1 |
| Abut 4 | 10.5 | 7.4 | N/A |

SURVEY CONTROL:

VERTICAL DATUM: NGVD29

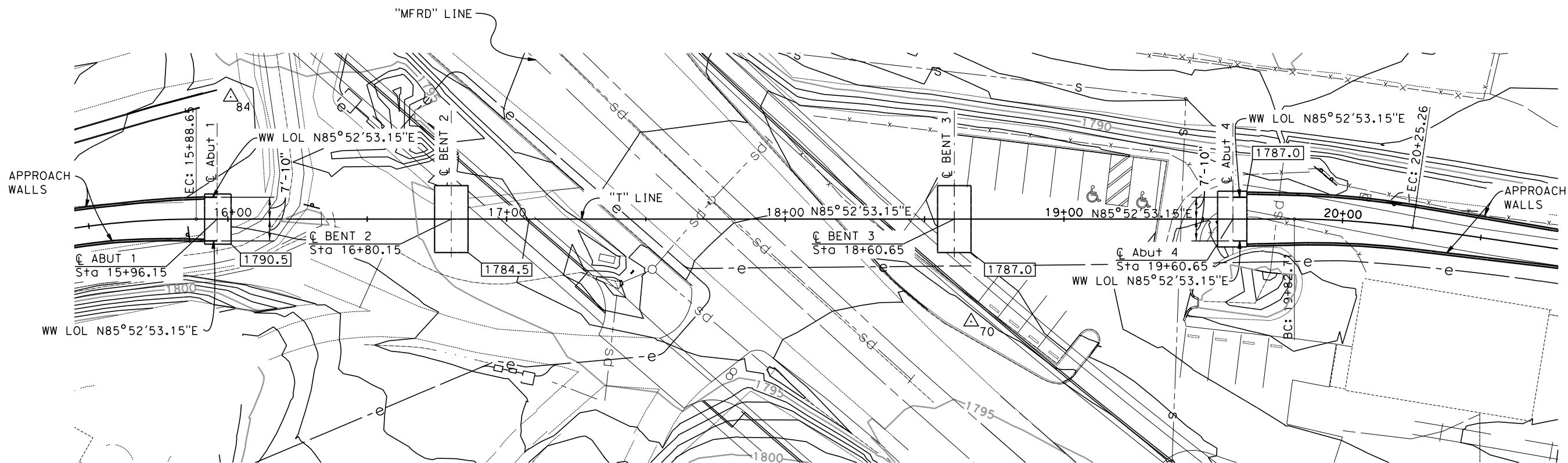
HORIZONTAL DATUM: CALIFORNIA STATE PLANE
COORDINATE SYSTEM NAD83 (ZONE 2, 1991.35)

△ 70: CP SPIKE
N: 2020171.73
E: 6896708.14
Elev: 1794.12

△ 84: CP SPIKE
N: 2020233.06
E: 6896437.37
Elev: 1796.46

Notes:

1. Stresses and resistances were calculated for controlling load combinations.
2. Controlling load combination for Service Limit State is the one resulting in the highest ratio of $q_{n,u} / q_{pn}$ for foundations on soil.
3. For Strength, Construction, and Extreme Event limit States, controlling load combination is the one resulting in the highest ratio of $q_{g,u} / q_R$ for foundations on soil.



| | NORTHING | EASTING |
|----------------------------|------------|------------|
| ① C Abut 1 Sta 15+96.15 | 2020188.98 | 6896435.65 |
| ② C Abut 4 Sta 19+60.65 | 2020215.16 | 6896799.21 |



Legend:

- Indicates bottom of footing elevation
- Indicates New Structure
- Indicates Survey Control Point
- e- Underground Electrical
- sd- Storm Drain
- s- Sanitary Sewer

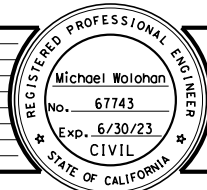
FOUNDATION PLAN
SCALE 1"=20'

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Michael M. Wolohan
REGISTERED CIVIL ENGINEER
DATE: 1/24/2022

DESIGNED: M. W.
CHECKED: P. B.
DRAWN: H. H.
DATE: 3/6/2020
ROAD NUMBER:



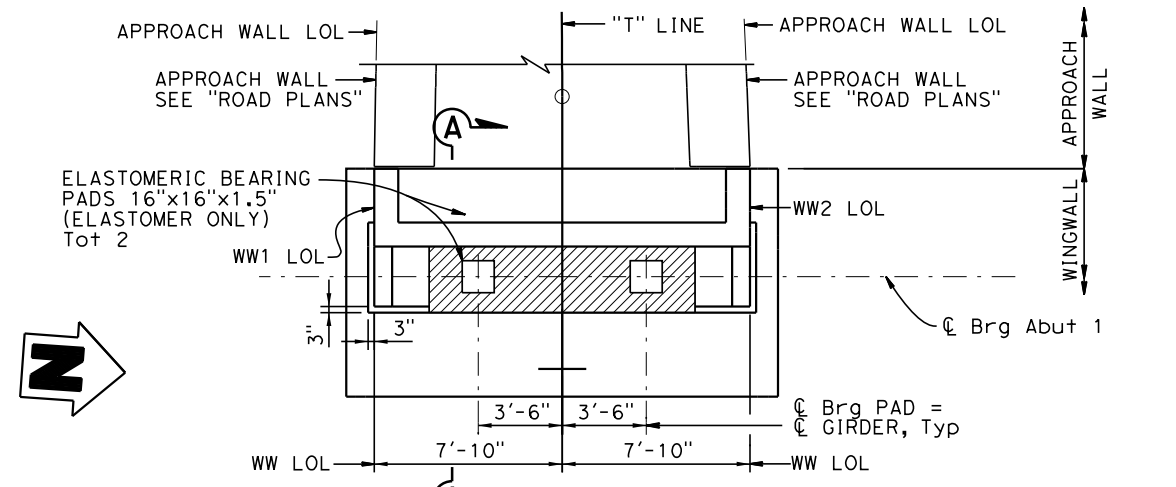
COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

EL DORADO TRAIL
MISSOURI FLAT ROAD
PEDESTRIAN OVERCROSSING

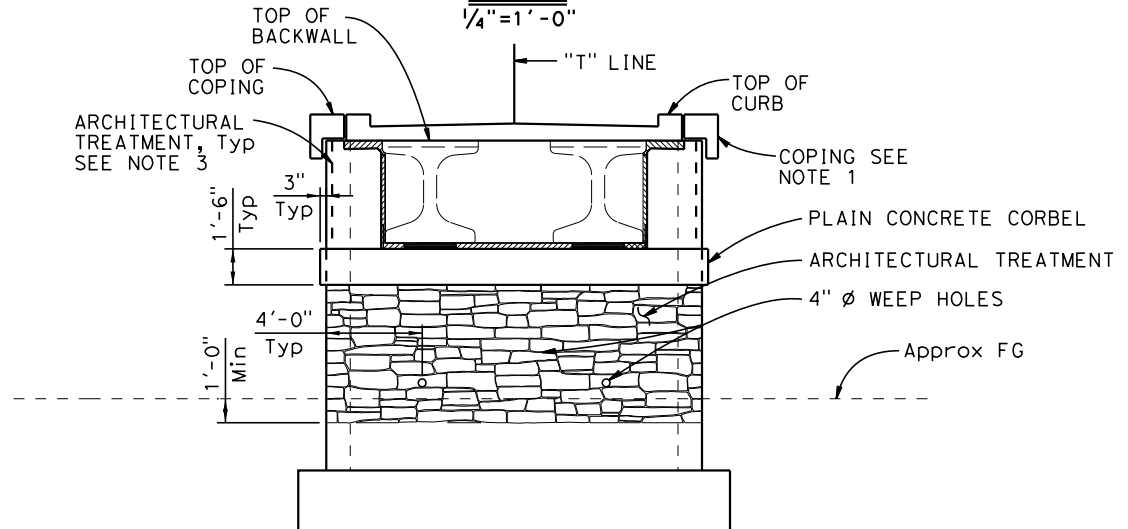
SHEET
S-4
27 of 42
W.O. No.

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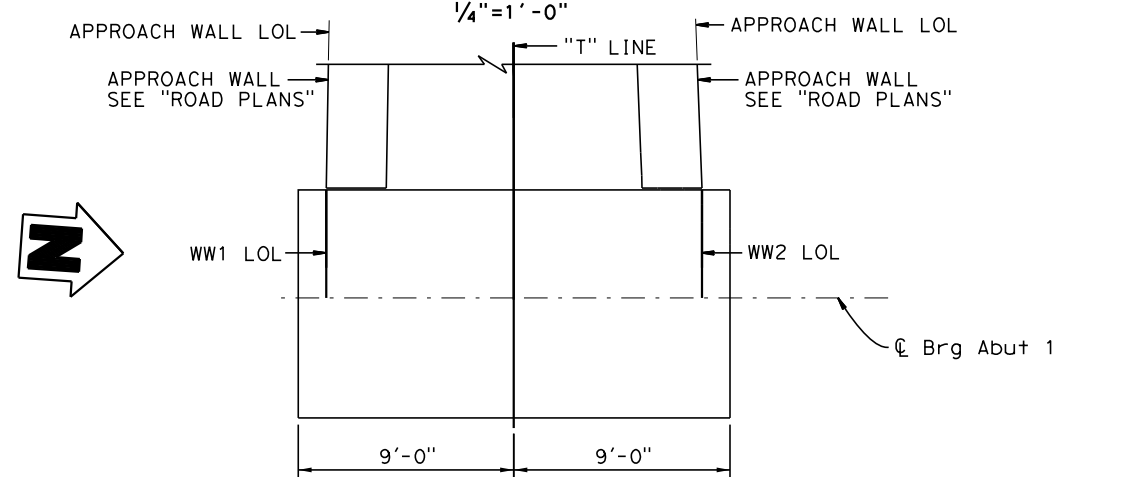
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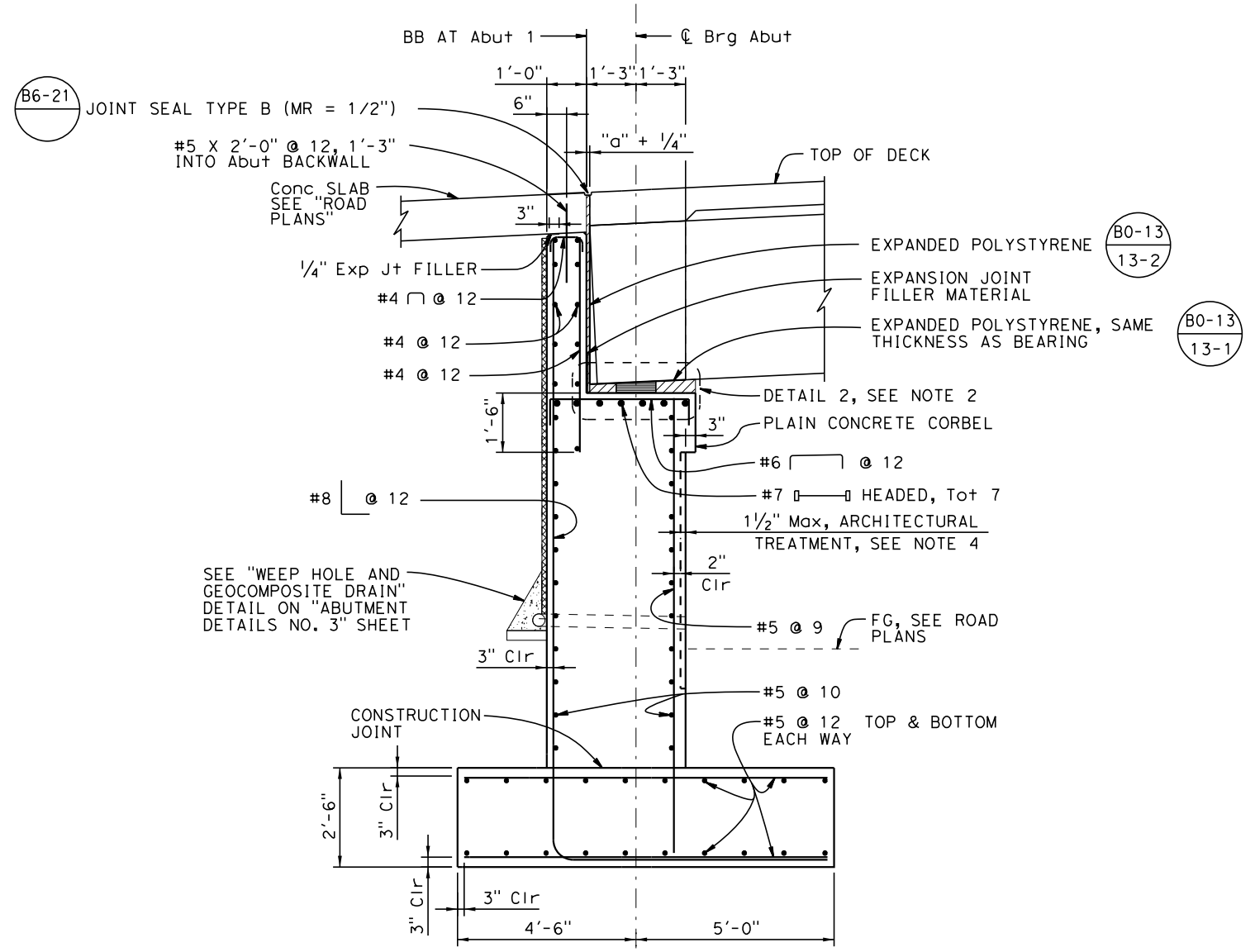
PLAN
1/4" = 1'-0"



ELEVATION
1/4" = 1'-0"



FOOTING PLAN
1/4" = 1'-0"



SECTION A-A
1/2" = 1'-0"

- NOTES:
1. For Coping details see "ABUTMENT DETAILS NO. 2" sheet.
 2. For Detail 2 see "ABUTMENT DETAILS NO. 3" sheet.
 3. For limits of architectural treatment on wingwalls, see "ABUTMENT ARCHITECTURAL TREATMENT LIMITS" on "ABUTMENT DETAILS NO. 3" sheet.
 4. Limits of architectural treatment shall extend 1'-0" Min below FG.

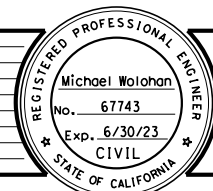
LEGEND:
 DENOTES LIMITS OF ARCHITECTURAL TREATMENT

ABUTMENT 1 LAYOUT
SCALE AS SHOWN

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 SACRAMENTO, CA 95815

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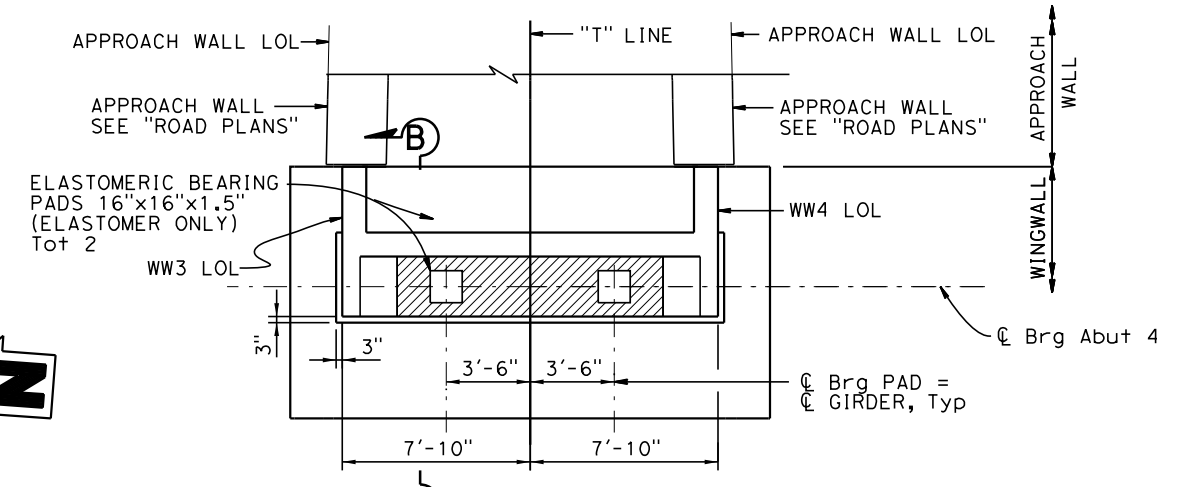


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

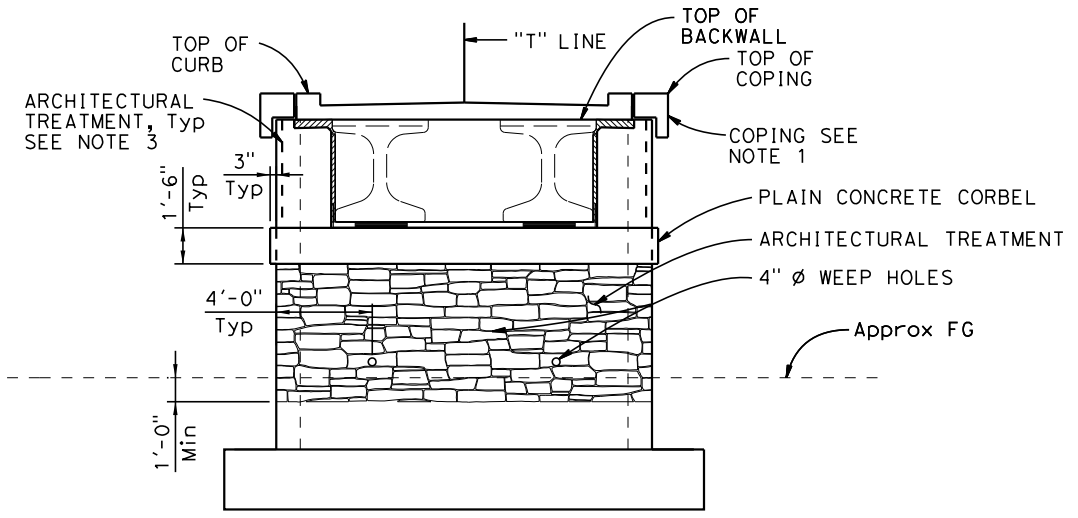
EL DORADO TRAIL
MISSOURI FLAT ROAD
PEDESTRIAN OVERCROSSING

SHEET
S-5
28 of 42
W.O. No.

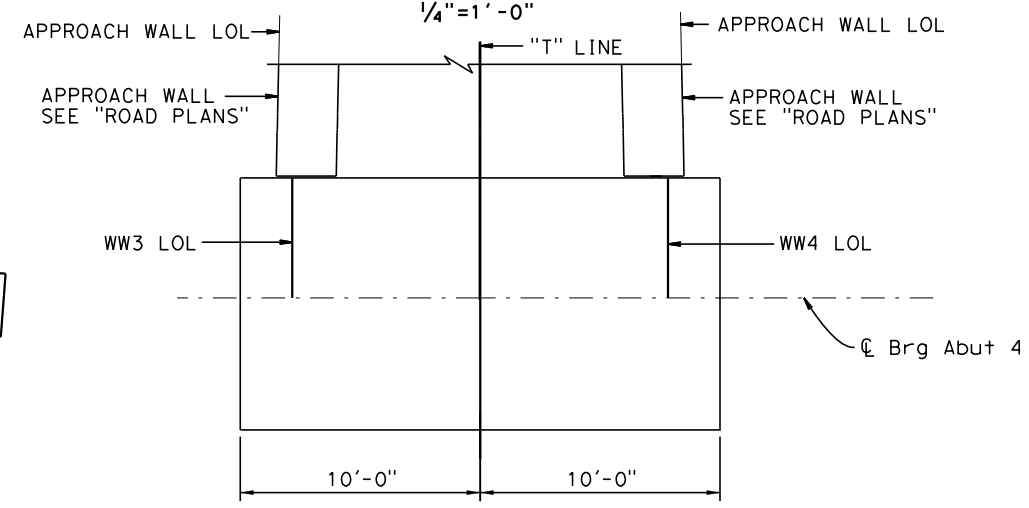
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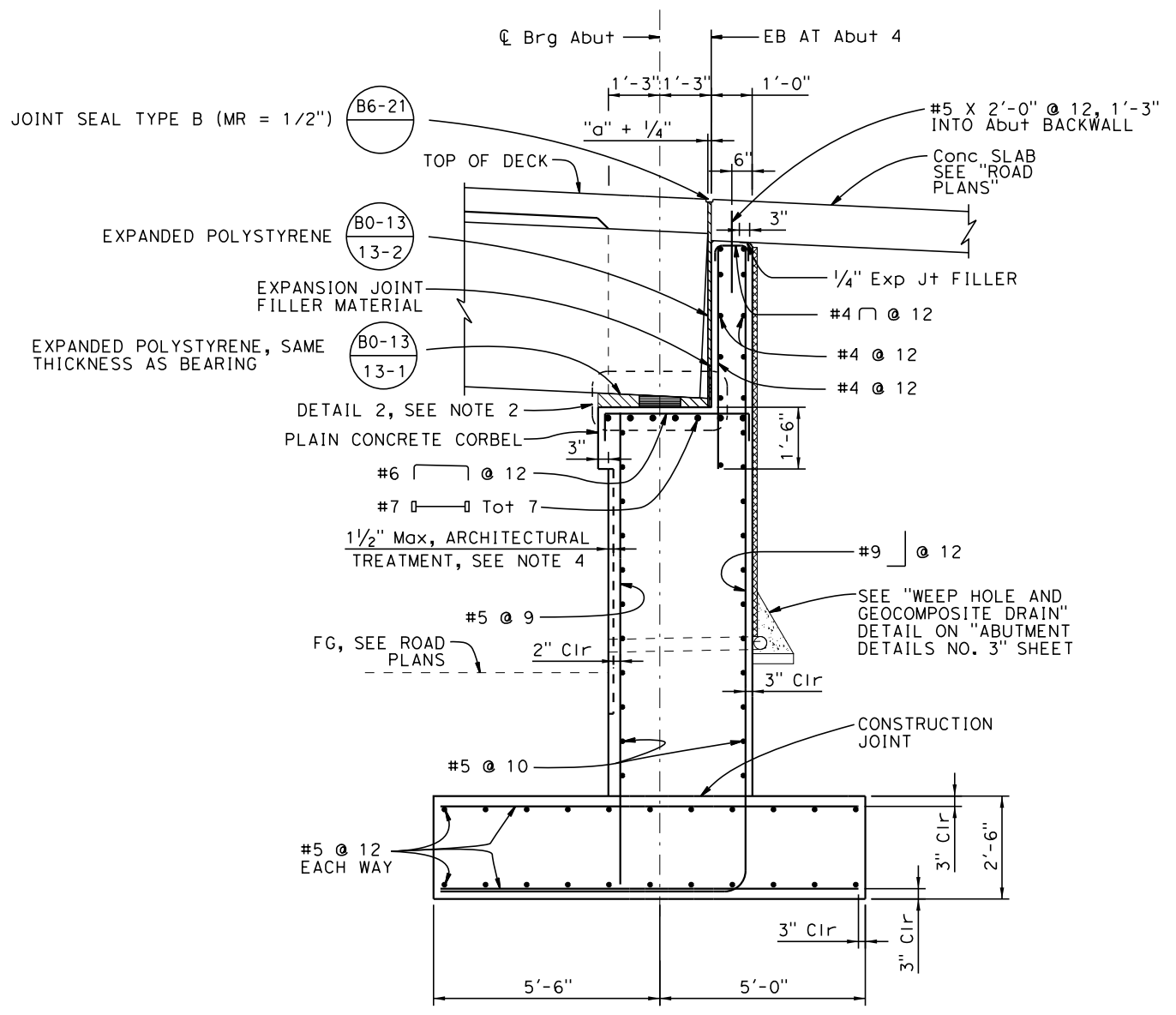
PLAN
1/4" = 1'-0"



ELEVATION
1/4" = 1'-0"



FOOTING PLAN
1/4" = 1'-0"



SECTION B-B
1/2" = 1'-0"

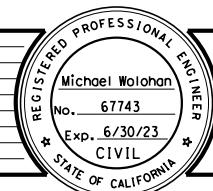
- NOTES:
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 2. For Detail 2 see "ABUTMENT DETAILS NO. 3" sheet.
 3. For limits of architectural treatment on wingwalls, see "ABUTMENT ARCHITECTURAL TREATMENT LIMITS" on "ABUTMENT DETAILS NO. 3" sheet.
 4. Limits of architectural treatment shall extend 1'-0" Min below FG.

LEGEND:
 DENOTES LIMITS OF ARCHITECTURAL TREATMENT

ABUTMENT 4 LAYOUT
SCALE AS SHOWN

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 1/24/2022

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 CHECKED: P. B.
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 ROAD NUMBER:

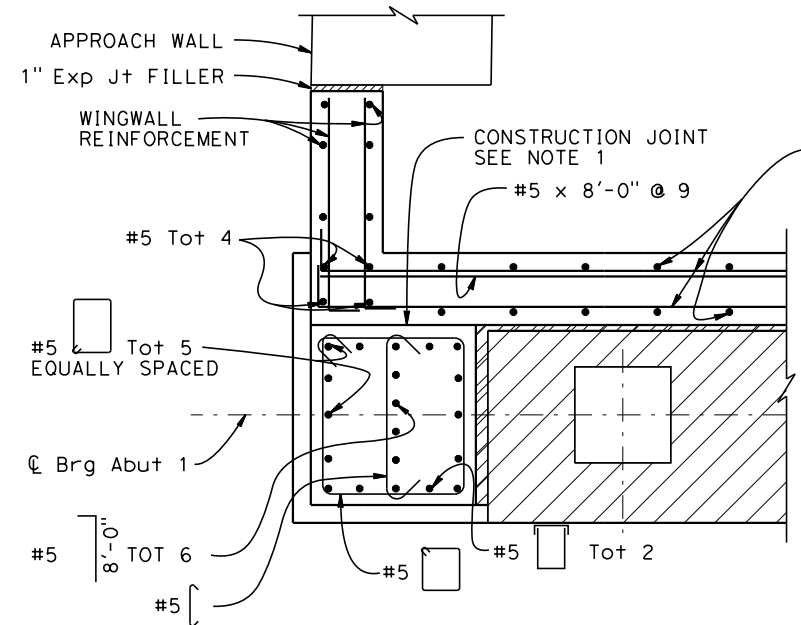


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

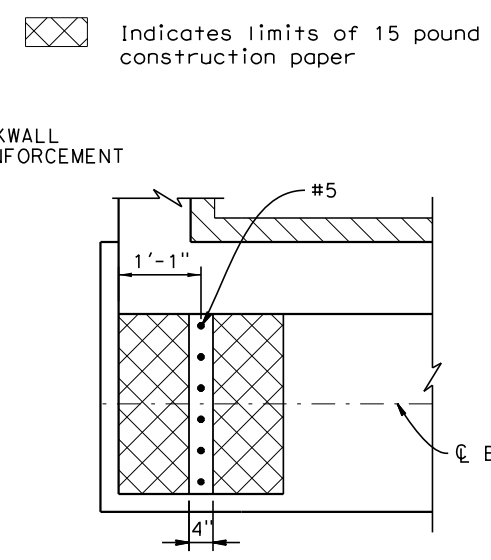
EL DORADO TRAIL
MISSOURI FLAT ROAD
PEDESTRIAN OVERCROSSING

SHEET
S-6
29 of 42
W.O. No.

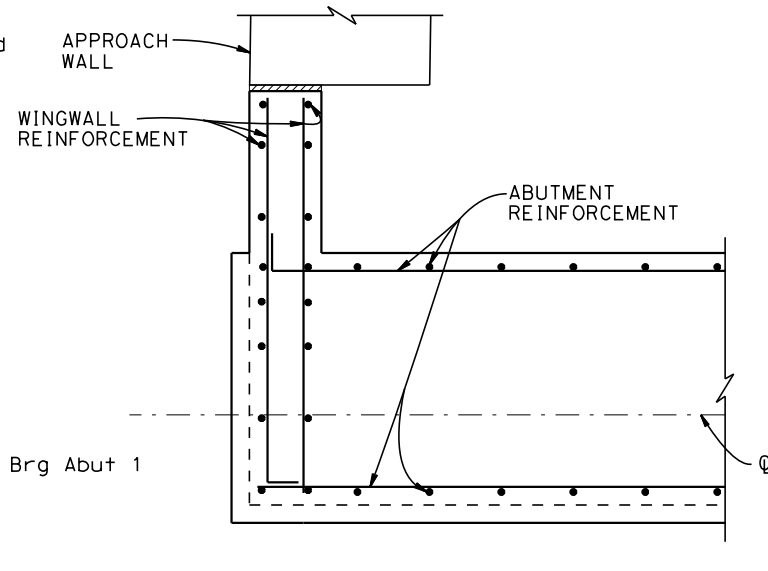
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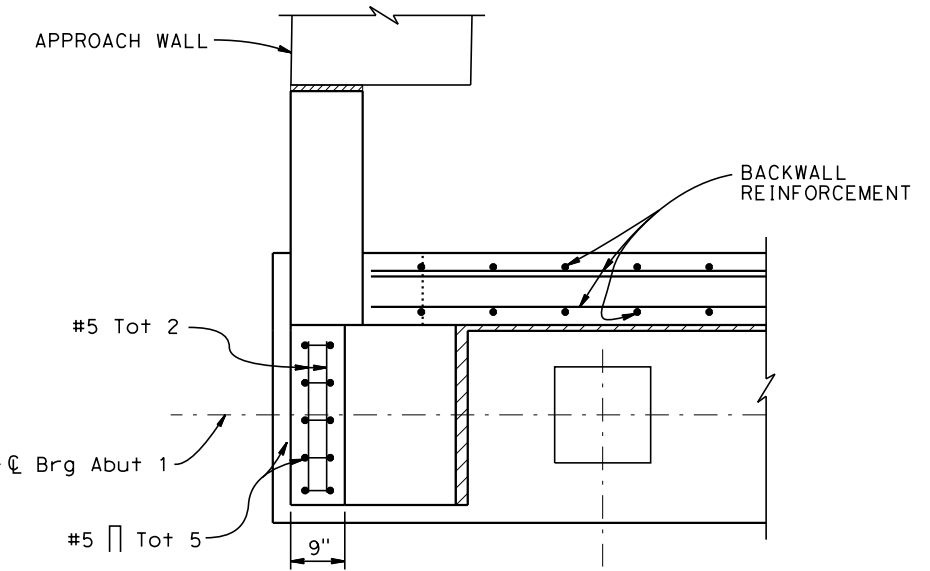
SECTION C-C
3/4"=1'-0"



SECTION D-D
3/4"=1'-0"

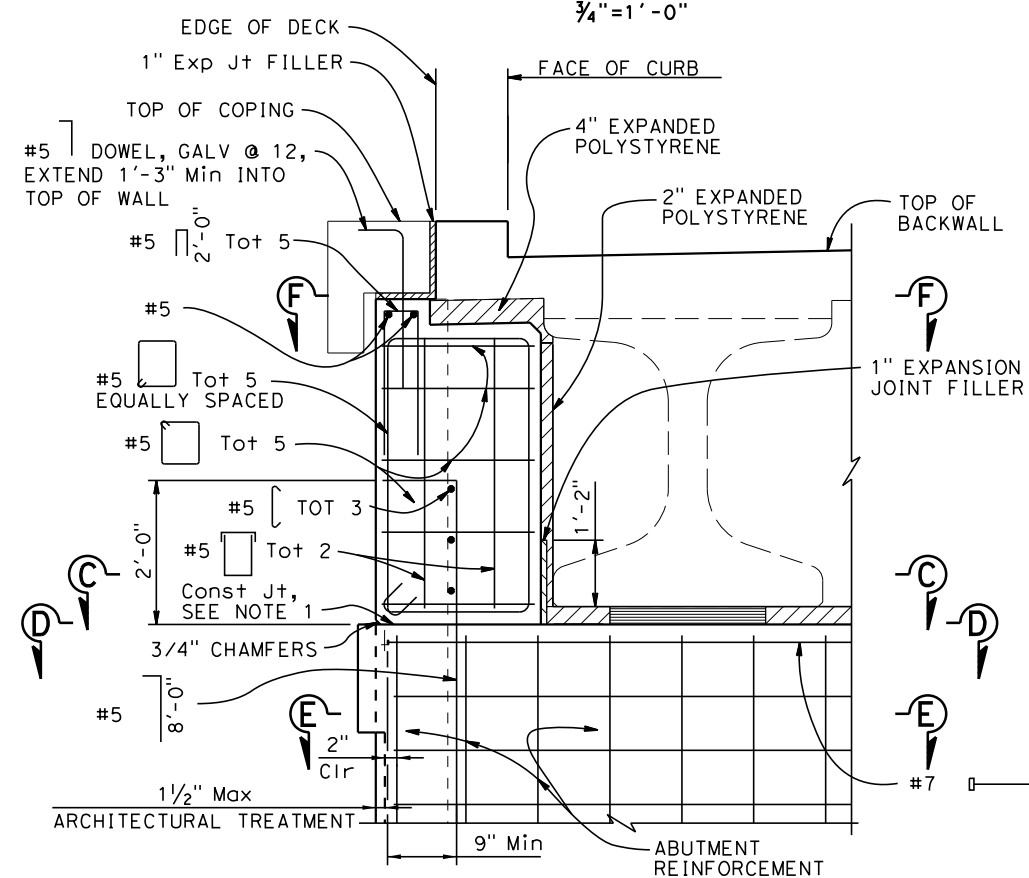


SECTION E-E
3/4"=1'-0"

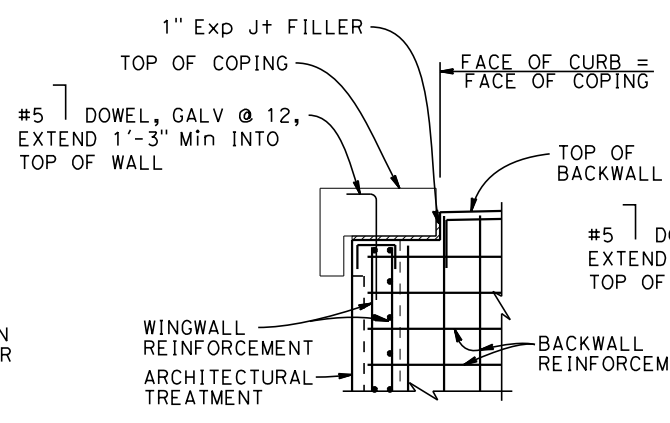


SECTION F-F
3/4"=1'-0"

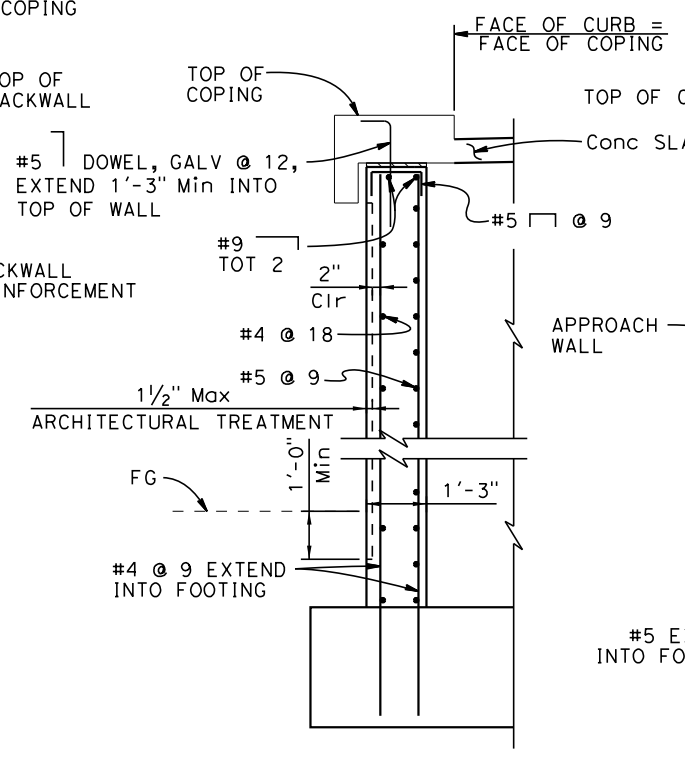
Indicates limits of 15 pound construction paper



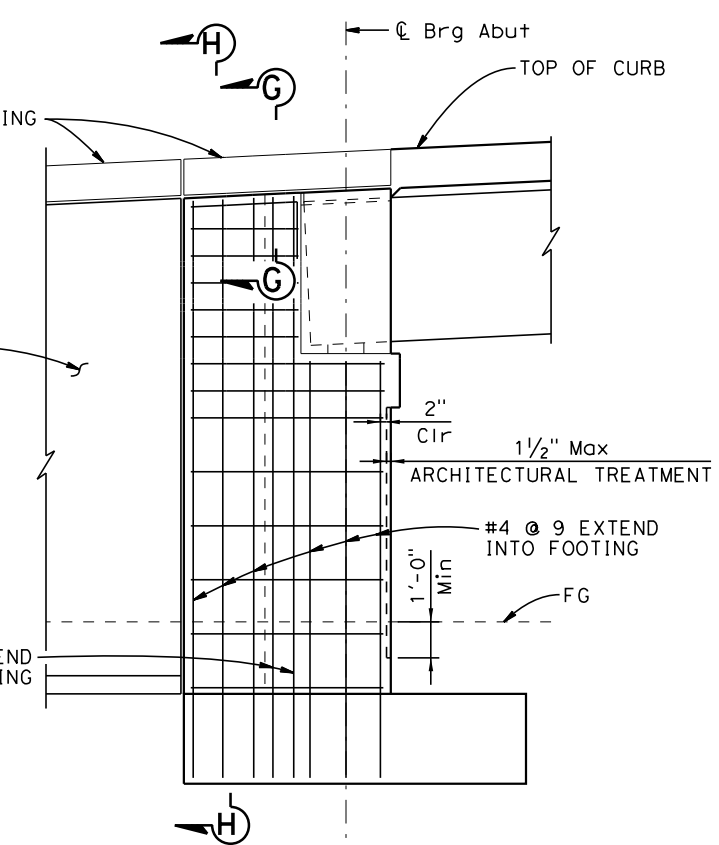
SHEAR KEY DETAIL
3/4"=1'-0"
(ABUTMENT 1 SHOWN, ABUTMENT 4 SIMILAR)



SECTION G-G
1/2"=1'-0"



SECTION H-H
1/2"=1'-0"



WINGWALL ELEVATION
3/8"=1'-0"
(WW1 & WW3 SHOWN, WW2 & WW4 SIMILAR)

- NOTES:
- Construction Joint, surface to be smooth finish and lined with 15 pound construction paper.
 - For details not shown, see (B0-1)
 - For Coping details see "ABUTMENT DETAILS NO. 2" sheet.
 - For CONCRETE SLAB details, see "ROAD PLANS".

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PREPARED UNDER THE SUPERVISION OF:
Michael M. Wolohan
REGISTERED CIVIL ENGINEER
1/24/2022

DESIGNED: M. W.
DRAWN: H. H.
CHECKED: P. B.
DATE: 3/6/2020
ROAD NUMBER:

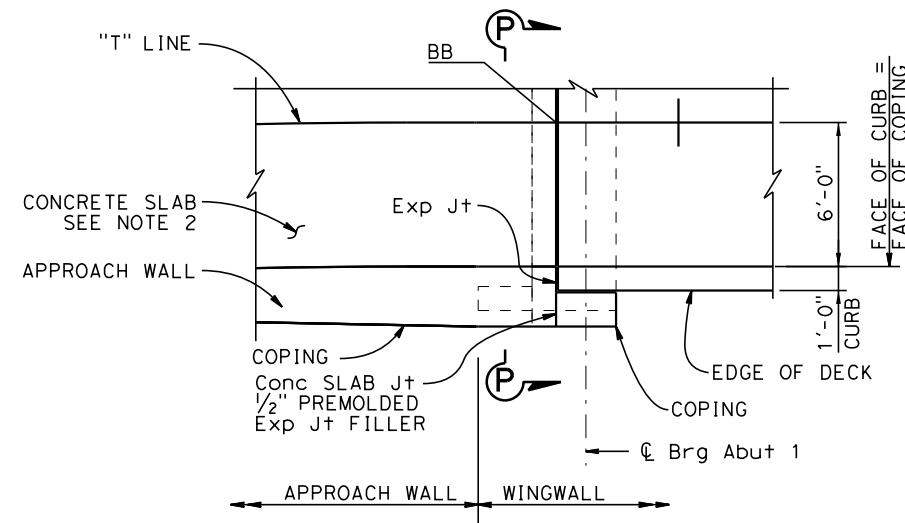


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

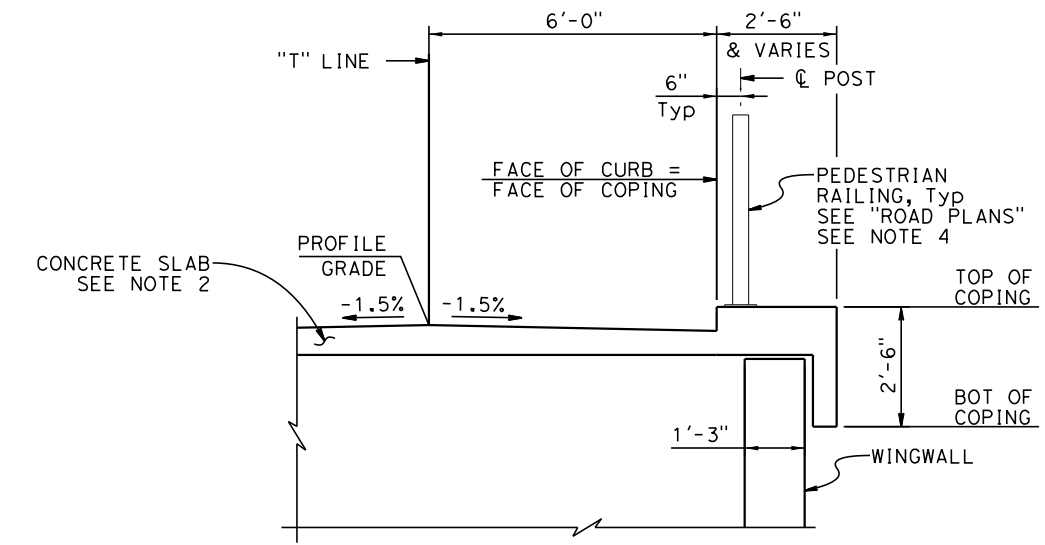
EL DORADO TRAIL
MISSOURI FLAT ROAD
PEDESTRIAN OVERCROSSING

SHEET
S-7
30 of 42
W.O. No.

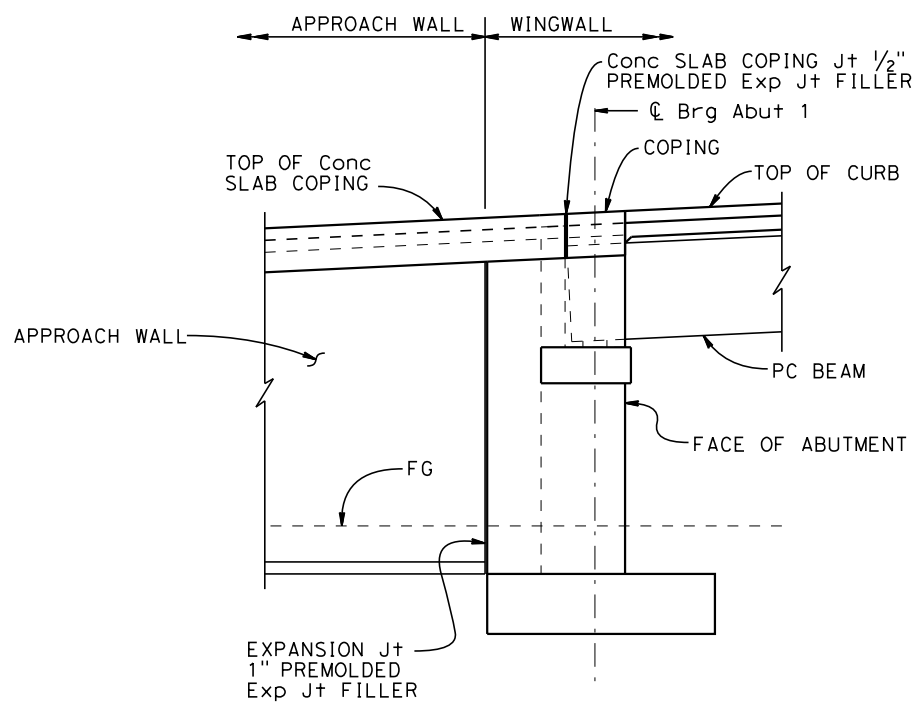
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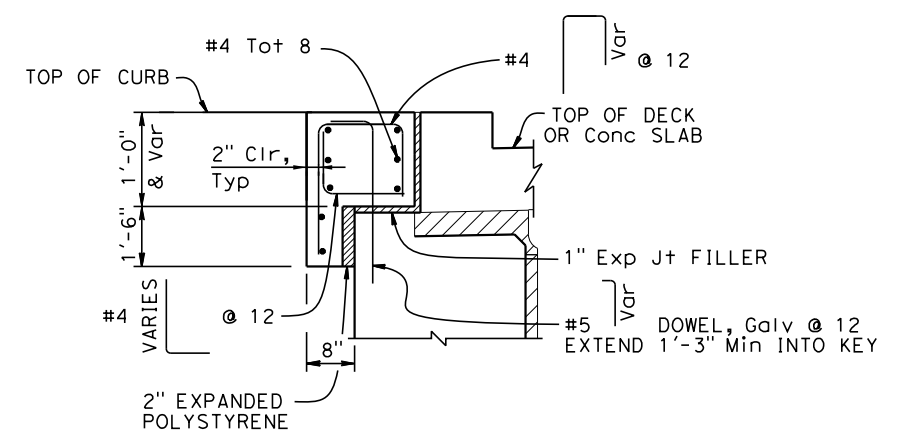
PART PLAN ABUT
 1/4"=1'-0"
 (ABUT 1 SHOWN, ABUT 4 SIMILAR)



SECTION P-P
 1/2"=1'-0"



WW ELEVATION
 1/4"=1'-0"
 (WW1 SHOWN, OTHER WW'S SIMILAR)



COPING REINFORCEMENT DETAIL
 No Scale

- NOTES:
- SEE "ROAD PLANS" FOR APPROACH WALL DETAILS.
 - SEE "ROAD PLANS" FOR CONCRETE SLAB DETAILS.
 - SEE "ABUTMENT ARCHITECTURAL TREATMENT LIMITS" ON "ABUTMENT DETAILS NO. 3" SHEET FOR LIMITS OF ARCHITECTURAL TREATMENT ON WINGWALLS.
 - Coordinate location of PEDESTRIAN RAILING joint with abutment joint, see "ROAD PLANS."

ABUTMENT DETAILS NO. 2
 SCALE AS SHOWN

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 1/24/2022

DESIGNED: M. W.
 CHECKED: H. H.
 P. B.
 DATE: 3/6/2020
 ROAD NUMBER:

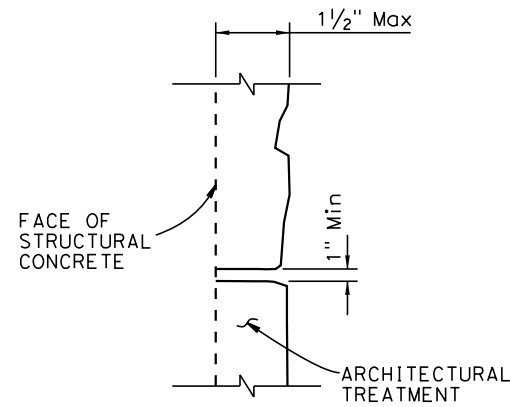
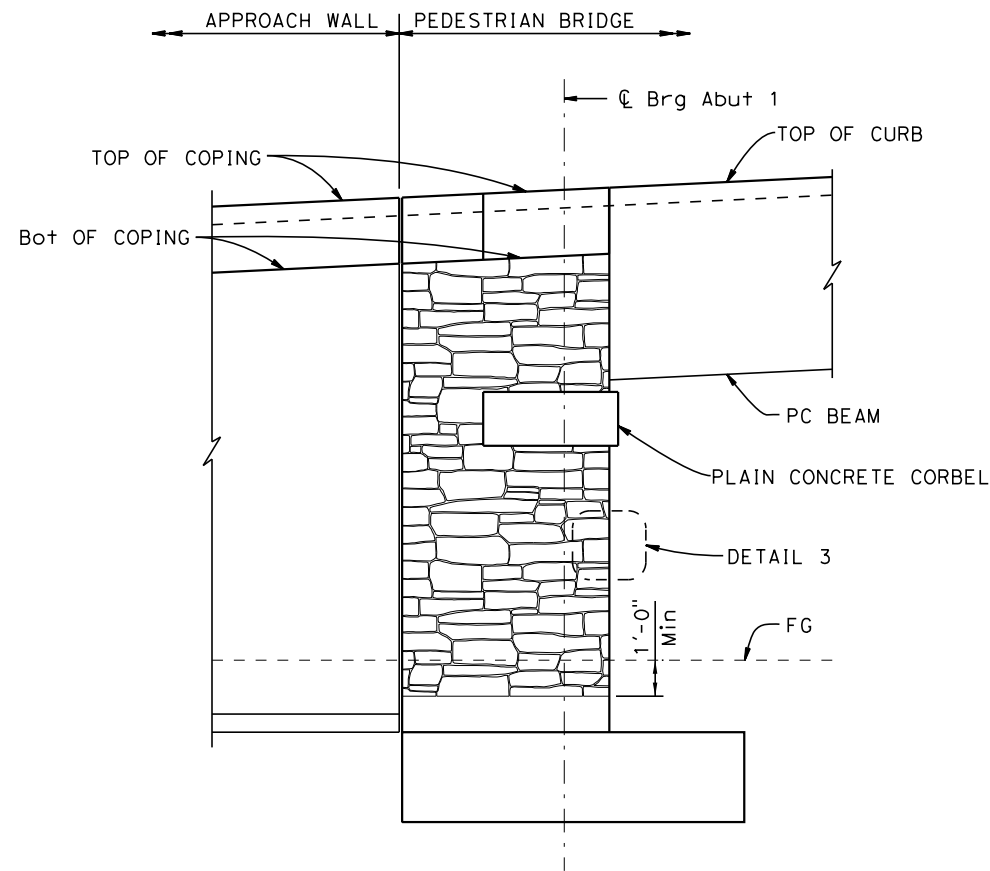


COUNTY OF EL DORADO
 DEPARTMENT OF TRANSPORTATION

EL DORADO TRAIL
 MISSOURI FLAT ROAD
 PEDESTRIAN OVERCROSSING

SHEET
S-8
 31 of 42
 W.O. No.

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DETAIL 3
No Scale

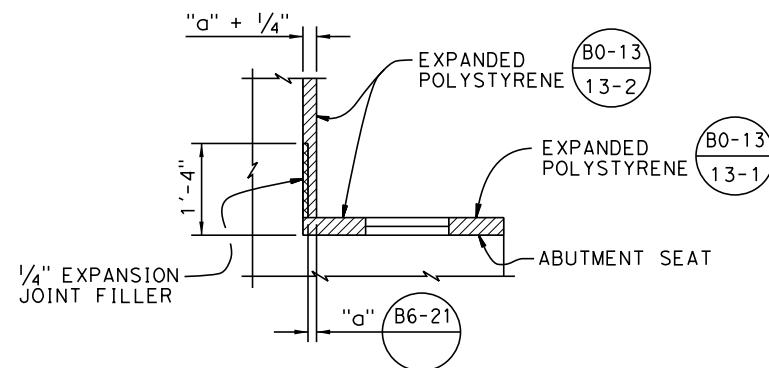
ABUTMENT ARCHITECTURAL TREATMENT LIMITS

No Scale
(ABUTMENT 1 SHOWN, ABUTMENT 4 SIMILAR)

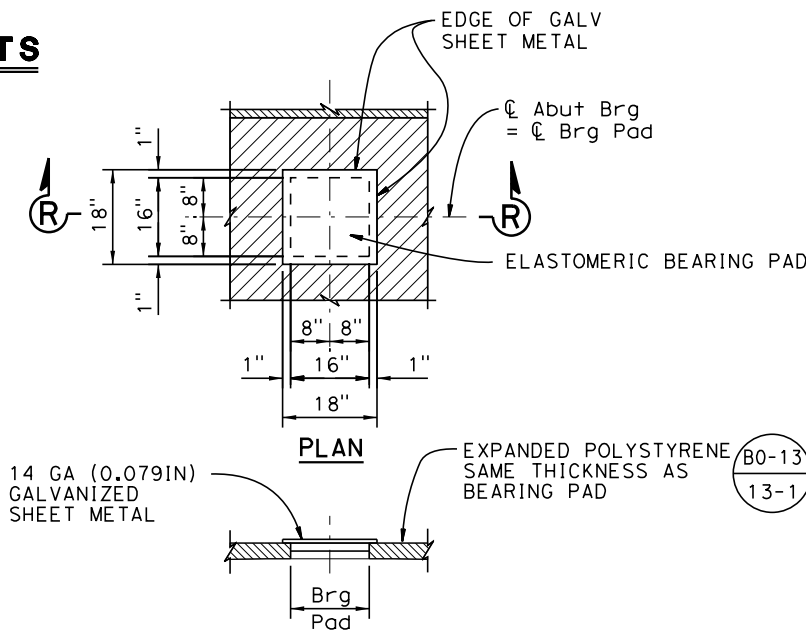
LEGEND:

DENOTES LIMITS OF ARCHITECTURAL TREATMENT

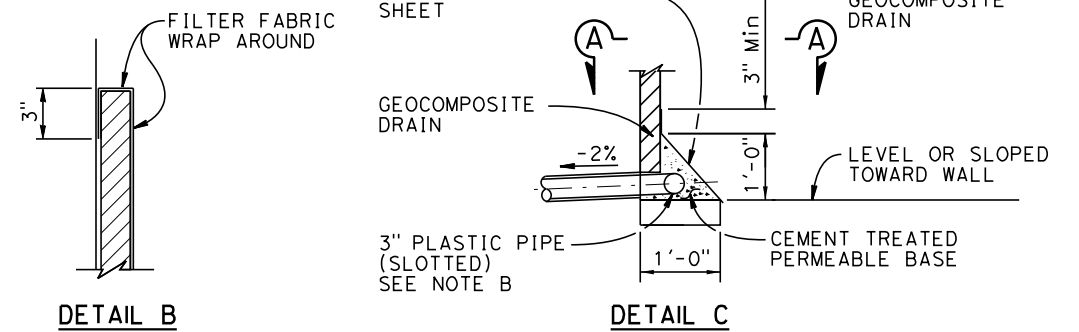
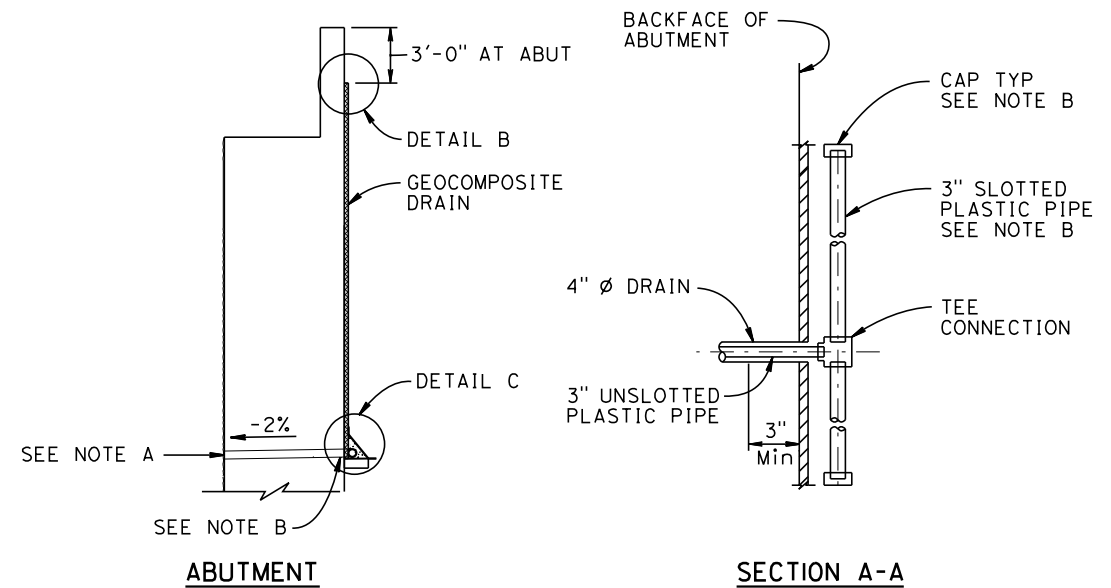
NOTE: ARCHITECTURAL TREATMENT SHALL EXTEND 1'-0" BELOW FG.



DETAIL 2
No Scale



SECTION R-R
BEARING PAD DETAIL
No Scale



WEEP HOLE AND GEOCOMPOSITE DRAIN

- Notes: No Scale
- A. 4" Ø drains at intermediate sag points and at 25'-0" Max. center to center. For walls adjacent to sidewalks or curbs, provide 4" Ø plastic pipe under sidewalk to discharge through curb face. Exposed wall drains shall be located 0'-3"± above finished grade.
 - B. Geocomposite drain, cement treated permeable base, and 3" Ø slotted plastic pipe continuous behind abutment. Cap ends of pipe. Provide "Tee" connection at each 4" Ø casing.
 - C. Connect the low end of plastic pipe to the main outlet pipe as applicable.

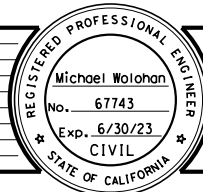
ABUTMENT DETAILS NO. 3
SCALE AS SHOWN

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 Michael Wolohan
 No. 67743
 Exp. 6/30/23
 CIVIL
 REGISTERED CIVIL ENGINEER
 1/24/2022

DESIGNED: M. W.
 CHECKED: P. B.
 ROAD NUMBER:
 DRAWN: H.H.
 DATE: 3/6/2020

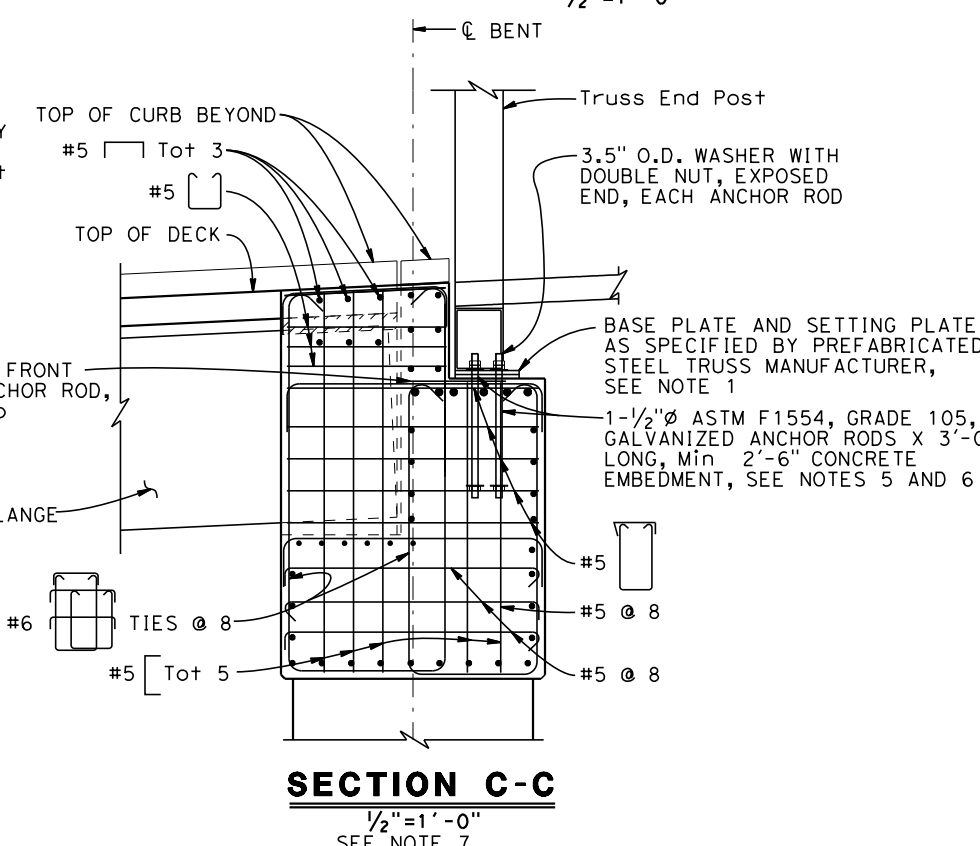
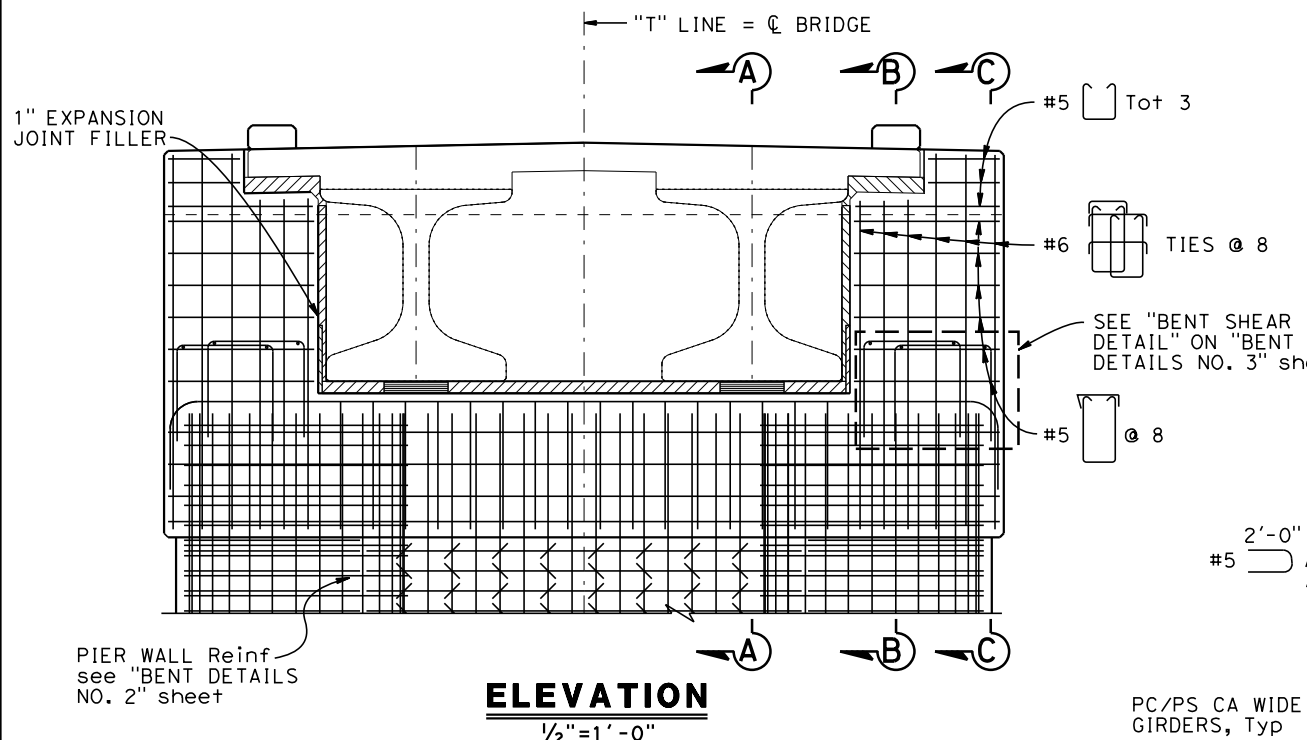
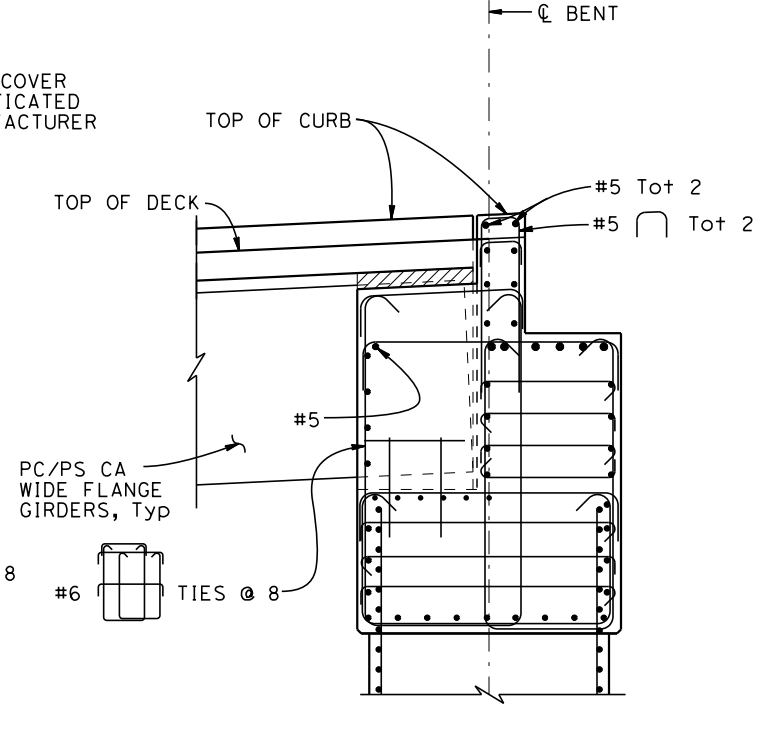
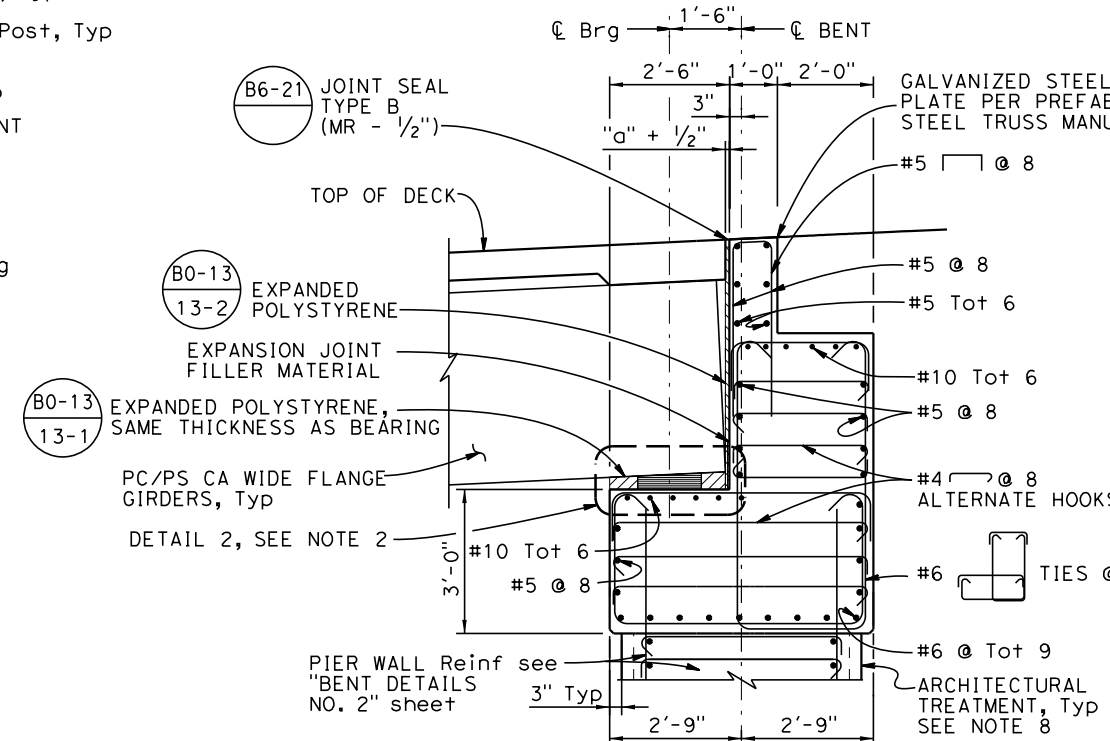
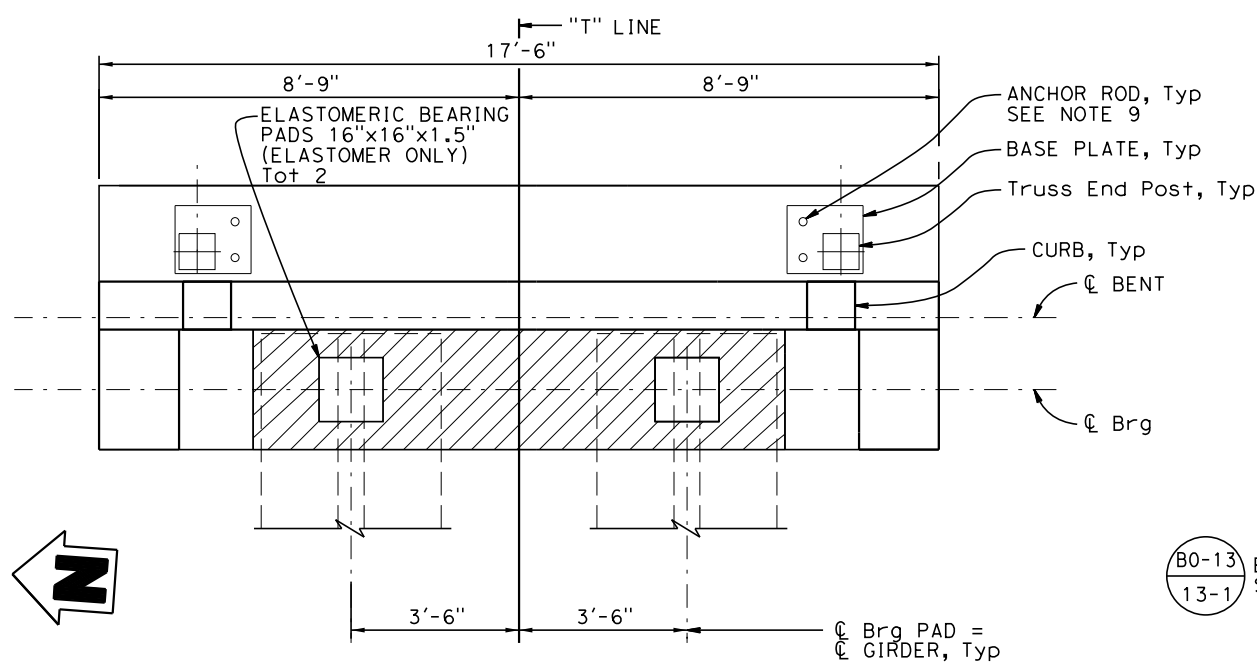


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

EL DORADO TRAIL
MISSOURI FLAT ROAD
PEDESTRIAN OVERCROSSING

SHEET
S-9
 32 of 42
 W.O. No.

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 FOR REVISION PLANS
 REVISION
 NUMBER DATE DESCRIPTION BY



- NOTES:
- Fixed end of truss at Bent 2. Expansion end of truss at Bent 3 with slotted holes to accommodate anticipated movement.
 - For Detail 2 see "ABUTMENT DETAILS NO. 3" sheet.
 - Span 2 is fixed at Bent 2.
 - Bent 2 shown, Bent 3 similar.
 - 3.5" O.D. washer with nut at anchored end of rod. Tack weld nut to anchor bolt and washer to nut.
 - Coordinate location of anchor bolts with PREFABRICATED STEEL TRUSS manufacturer. Minimum 9" edge distance to closest concrete face.
 - See "SECTION A-A" for additional reinforcing details.
 - See "BENT ARCHITECTURAL TREATMENT LIMITS: on "BENT DETAILS NO. 3" sheet.
 - Confirm location of anchor rods with STEEL TRUSS MANUFACTURER prior to placing concrete.

BENT DETAILS NO. 1
SCALE AS SHOWN

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 REGISTERED CIVIL ENGINEER
 1/24/2022

DESIGNED: M. W.
 DRAWN: H. H.
 CHECKED: P. B.
 DATE: 3/6/2020
 ROAD NUMBER:

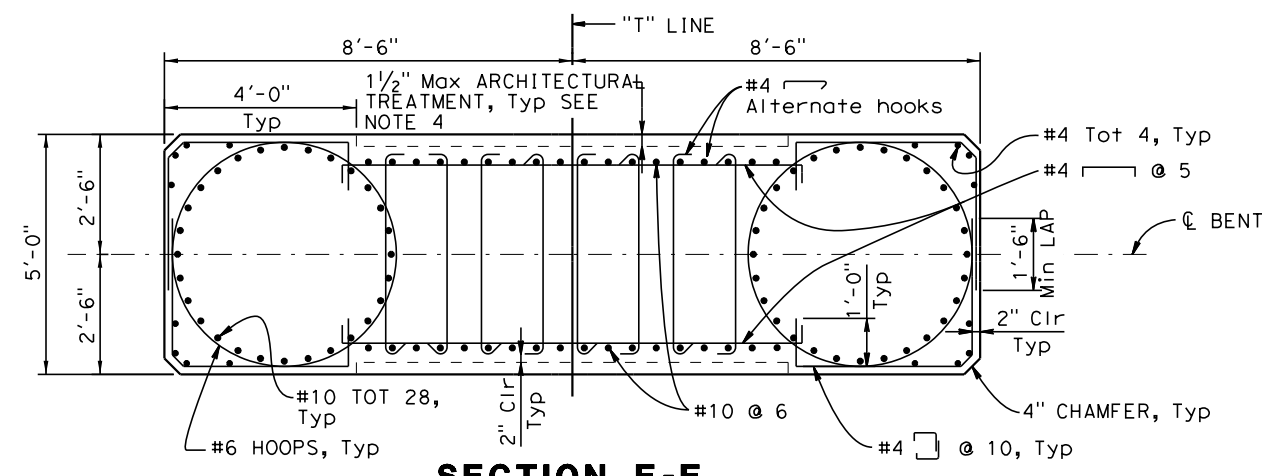


COUNTY OF EL DORADO
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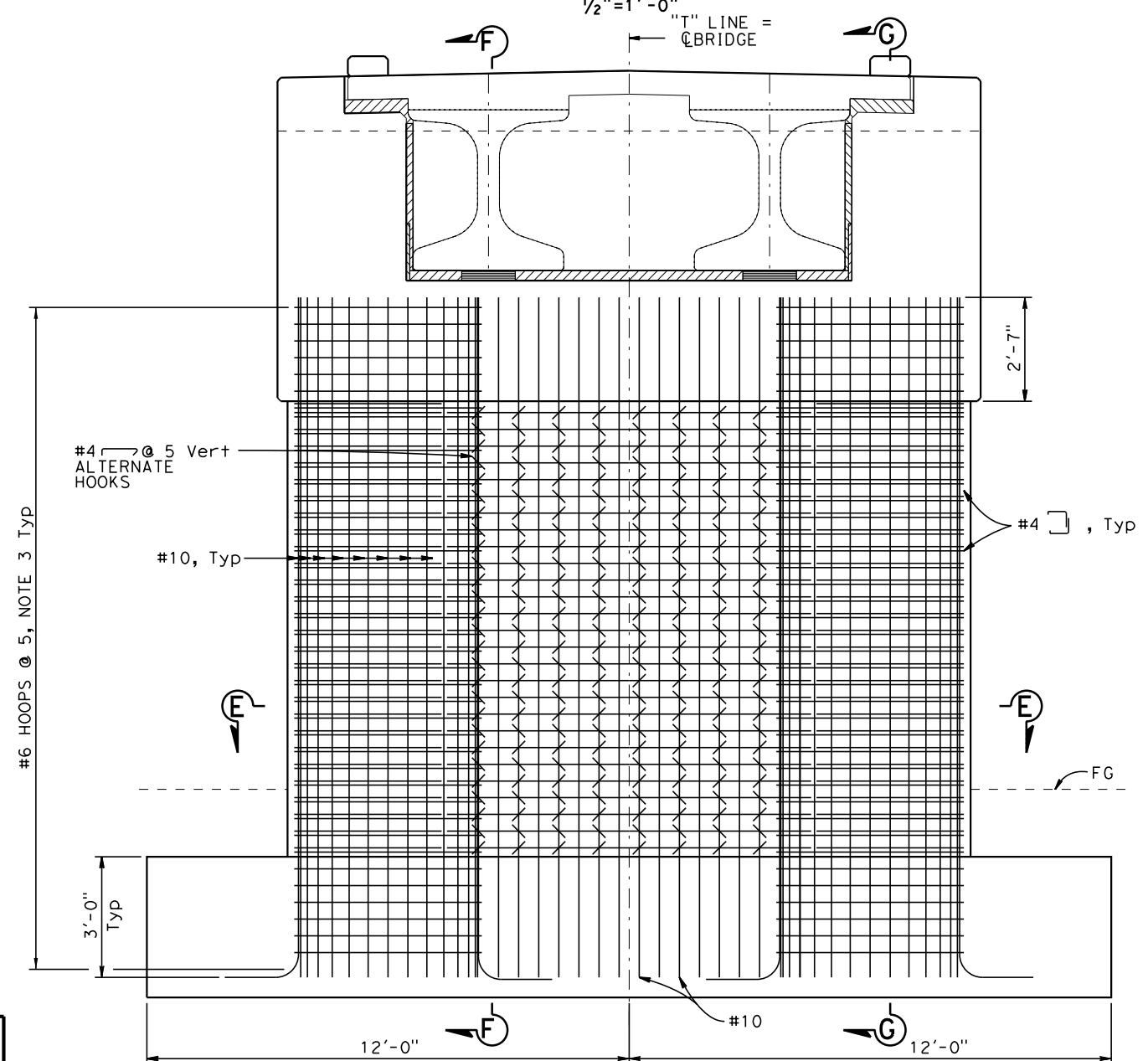
EL DORADO TRAIL
 MISSOURI FLAT ROAD
 PEDESTRIAN OVERCROSSING

SHEET
S-10
 33 of 42
 W.O. No.

FOR REDUCED PLANS
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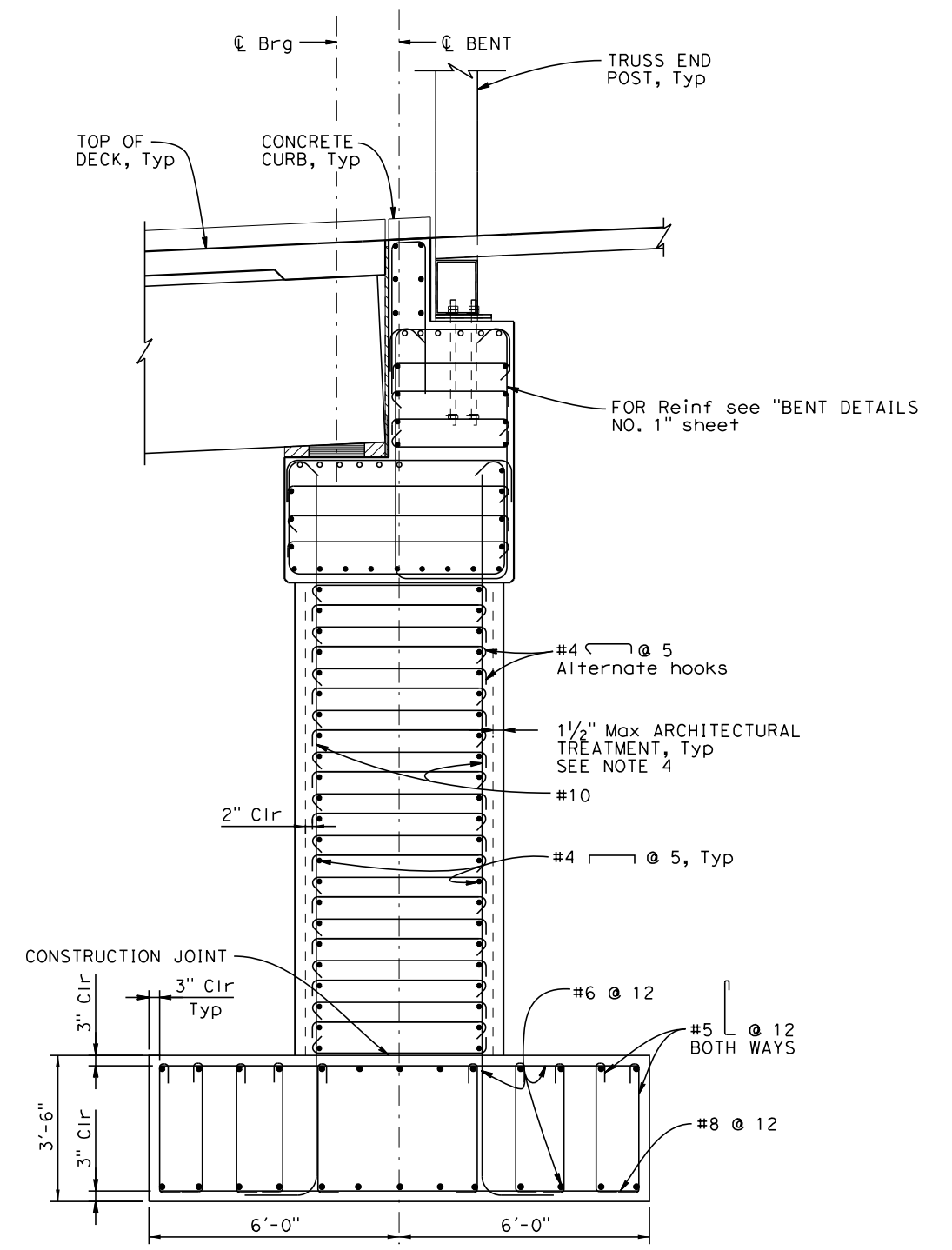
SECTION E-E
1/2" = 1'-0"



ELEVATION
1/2" = 1'-0"

NOTES:

1. Bent 2 shown, Bent 3 similar.
2. For Section G-G, see "BENT DETAILS NO. 3" sheet.
3. Hoops shall be "ULTIMATE" butt spliced continuous.
4. See "BENT ARCHITECTURAL TREATMENT LIMITS" on "BENT DETAILS NO. 3" sheet.



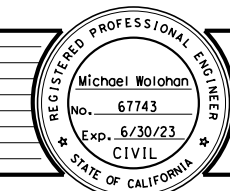
SECTION F-F
1/2" = 1'-0"

BENT DETAILS NO. 2
SCALE AS SHOWN

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DESIGNED: M. W.
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 ROAD NUMBER:

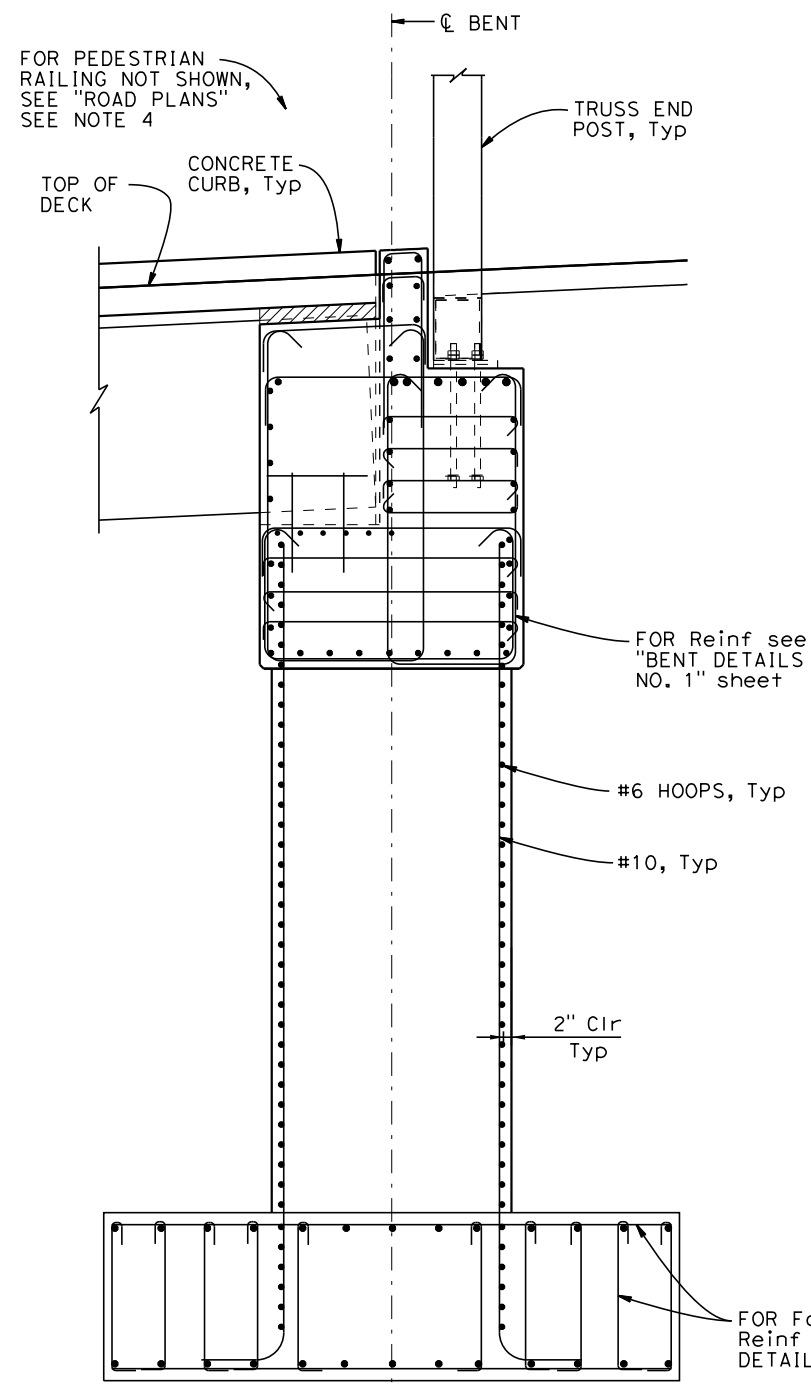


COUNTY OF EL DORADO
 DEPARTMENT OF TRANSPORTATION

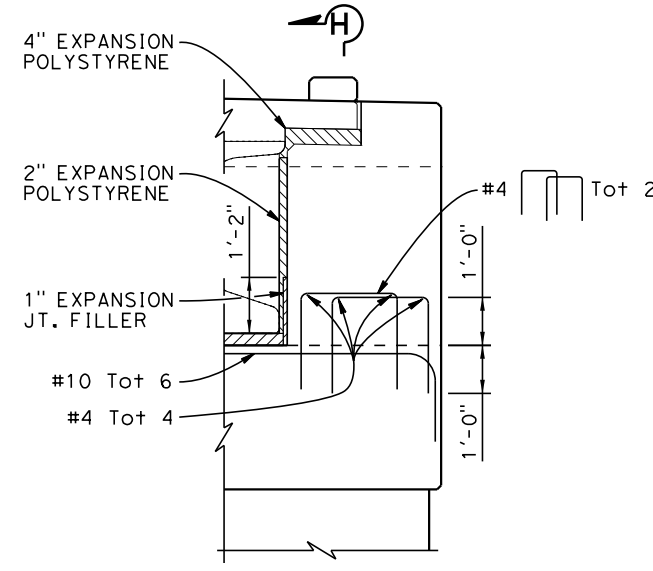
EL DORADO TRAIL
 MISSOURI FLAT ROAD
 PEDESTRIAN OVERCROSSING

SHEET
S-11
 34 of 42
 W.O. No.

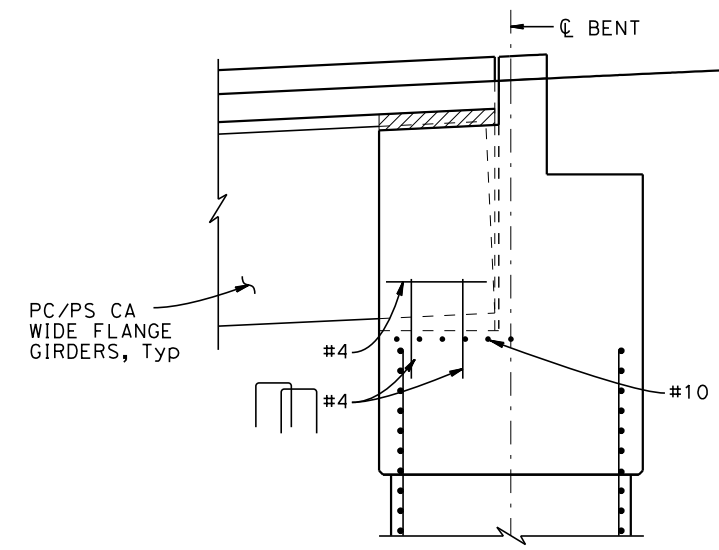
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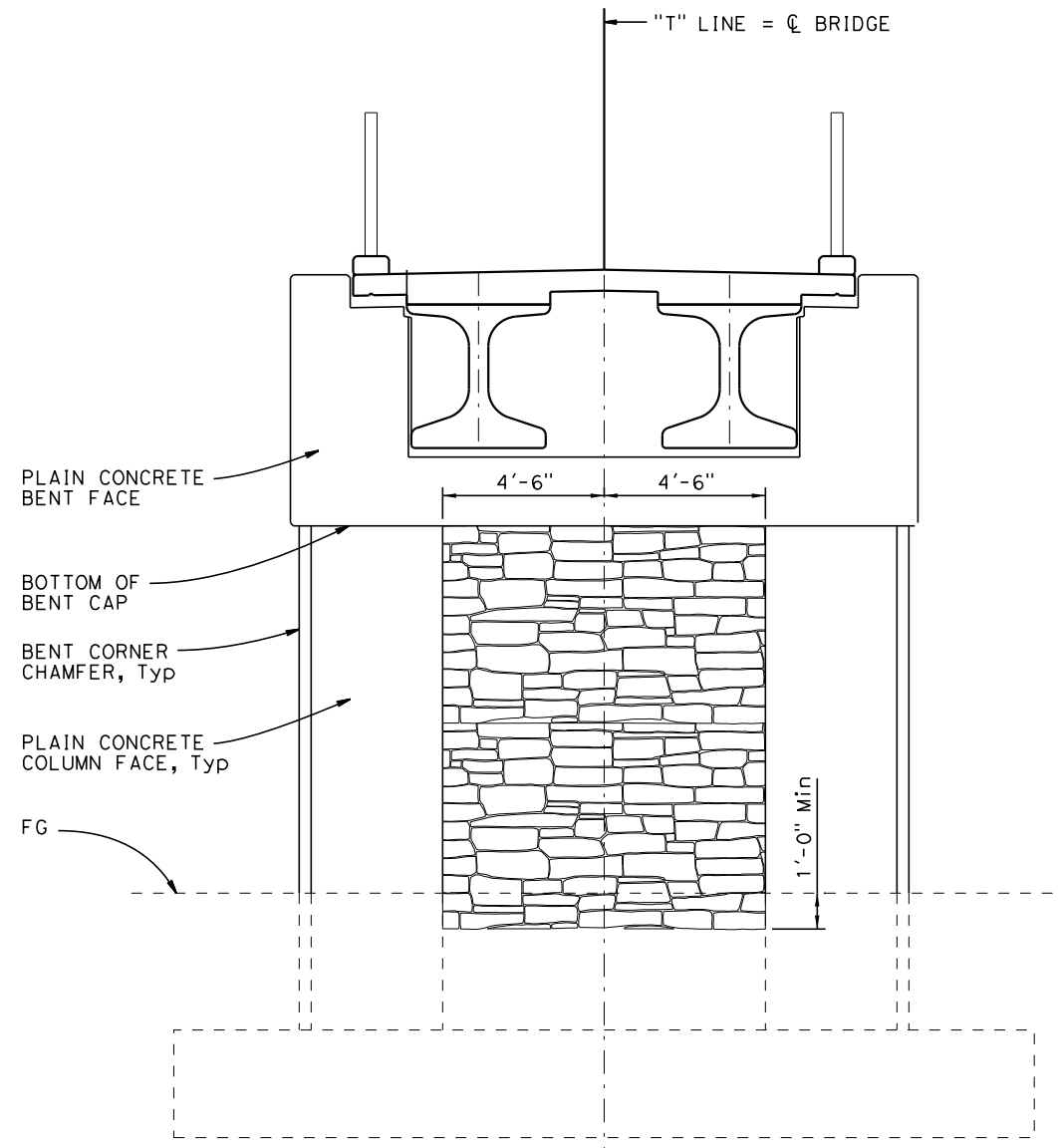
SECTION G-G
1/2" = 1'-0"



BENT SHEAR KEY DETAIL
1/2" = 1'-0"



SECTION H-H
1/2" = 1'-0"



BENT ARCHITECTURAL TREATMENT LIMITS

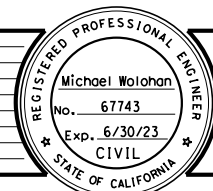
LEGEND:
 DENOTES LIMITS OF ARCHITECTURAL TREATMENT

- NOTES:
- Bent cap reinforcement not shown for clarity.
 - Shear key face reinforcement not shown for clarity.
 - ARCHITECTURAL TREATMENT shall extend 1'-0" minimum below finish grade. See "ABUTMENT DETAILS NO. 3" sheet for additional details.
 - Coordinate location of PEDESTRIAN RAILING joint with PC/PS span expansion joint and begin and end of STEEL TRUSS span.

BENT DETAILS NO. 3
SCALE AS SHOWN

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 P. B.
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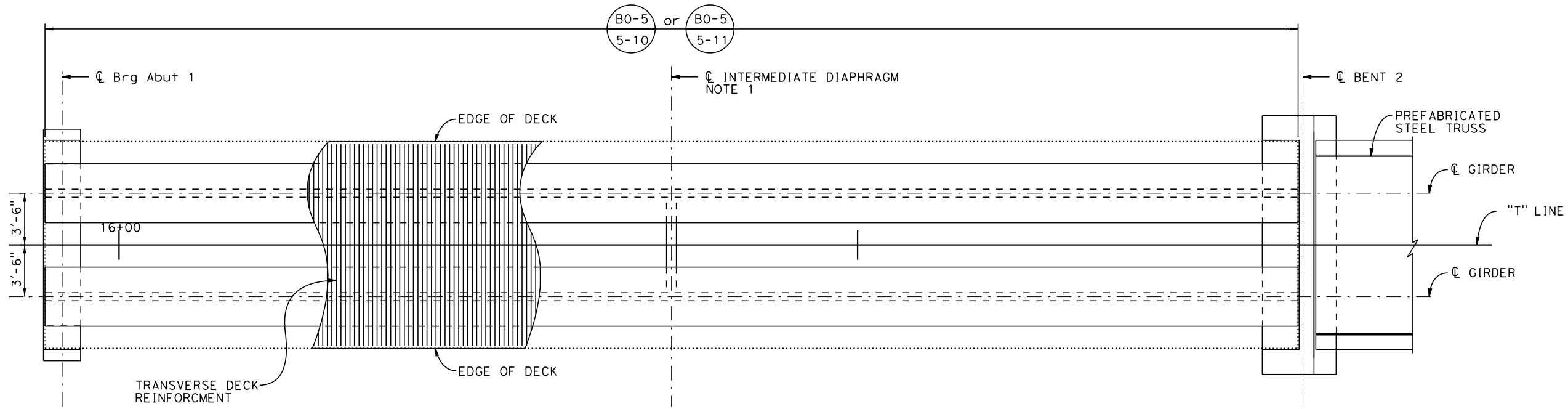


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

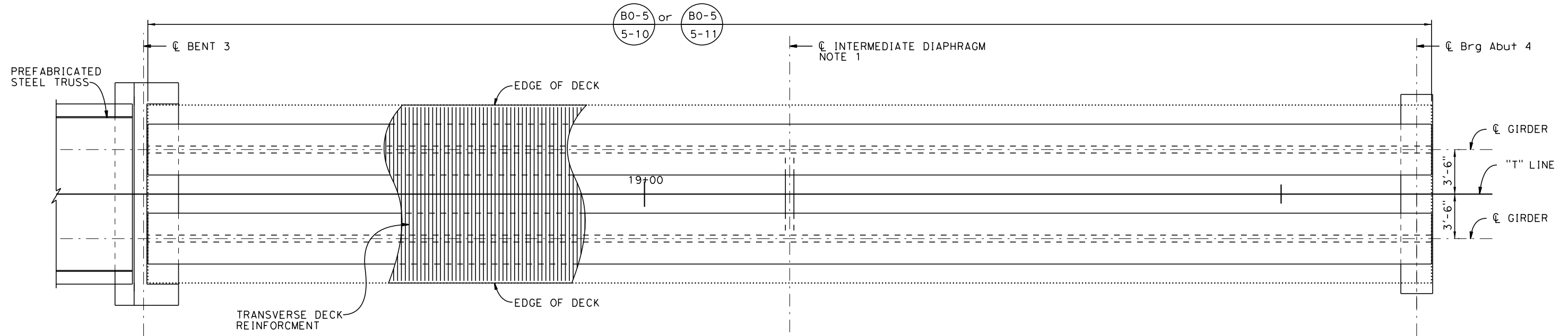
EL DORADO TRAIL
MISSOURI FLAT ROAD
PEDESTRIAN OVERCROSSING

SHEET
S-12
35 of 42
W.O. No.

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GIRDER LAYOUT SPAN 1
 $\frac{1}{4}'' = 1' - 0''$



GIRDER LAYOUT SPAN 3
 $\frac{1}{4}'' = 1' - 0''$



NOTES:

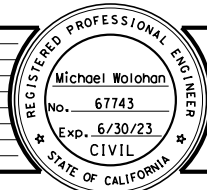
- For Precast Girder and Intermediate Diaphragm details see "PRECAST GIRDER DETAILS" sheets.

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DRAWN: H. H.
 DATE: 3/6/2020

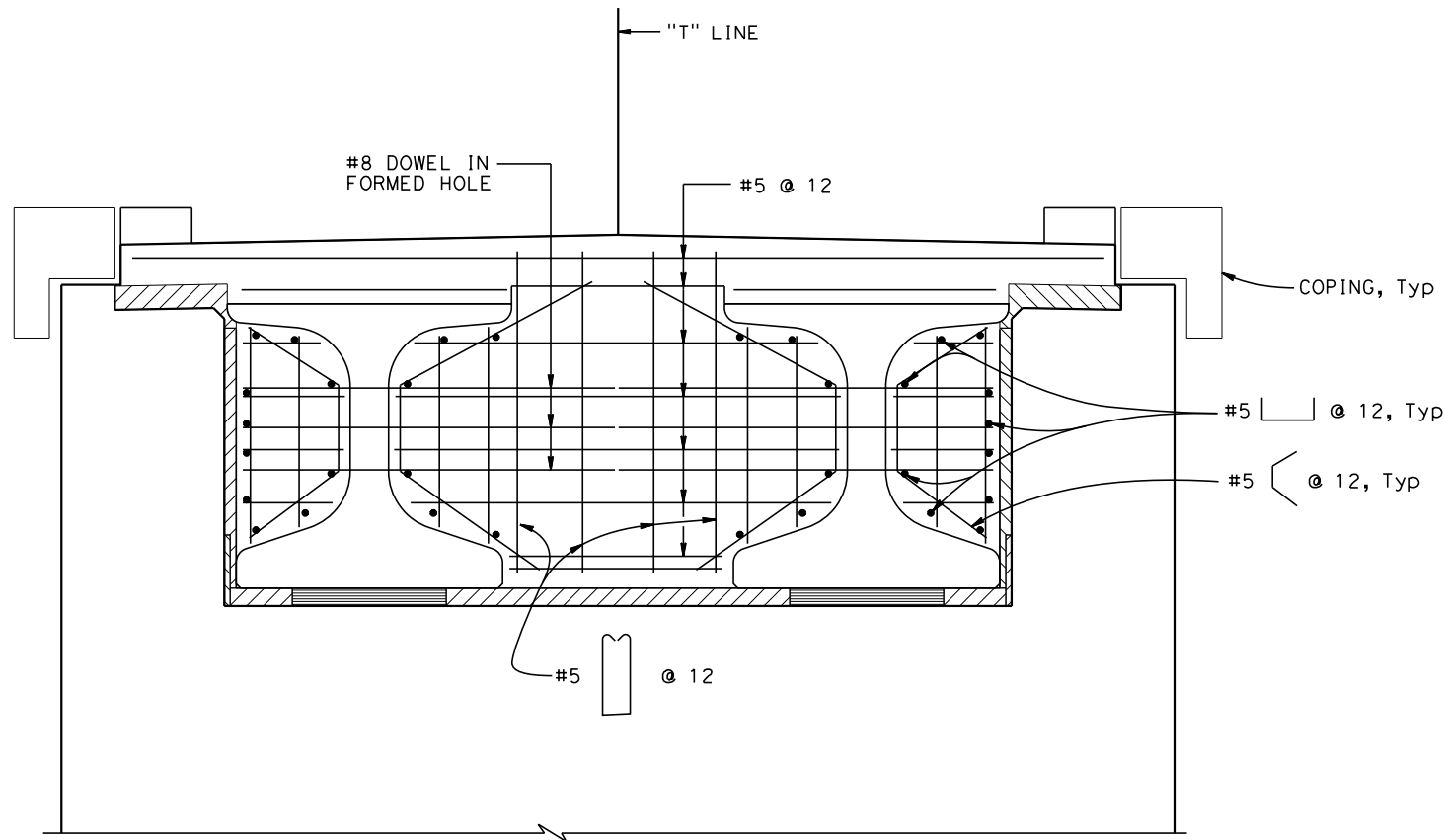


COUNTY OF EL DORADO
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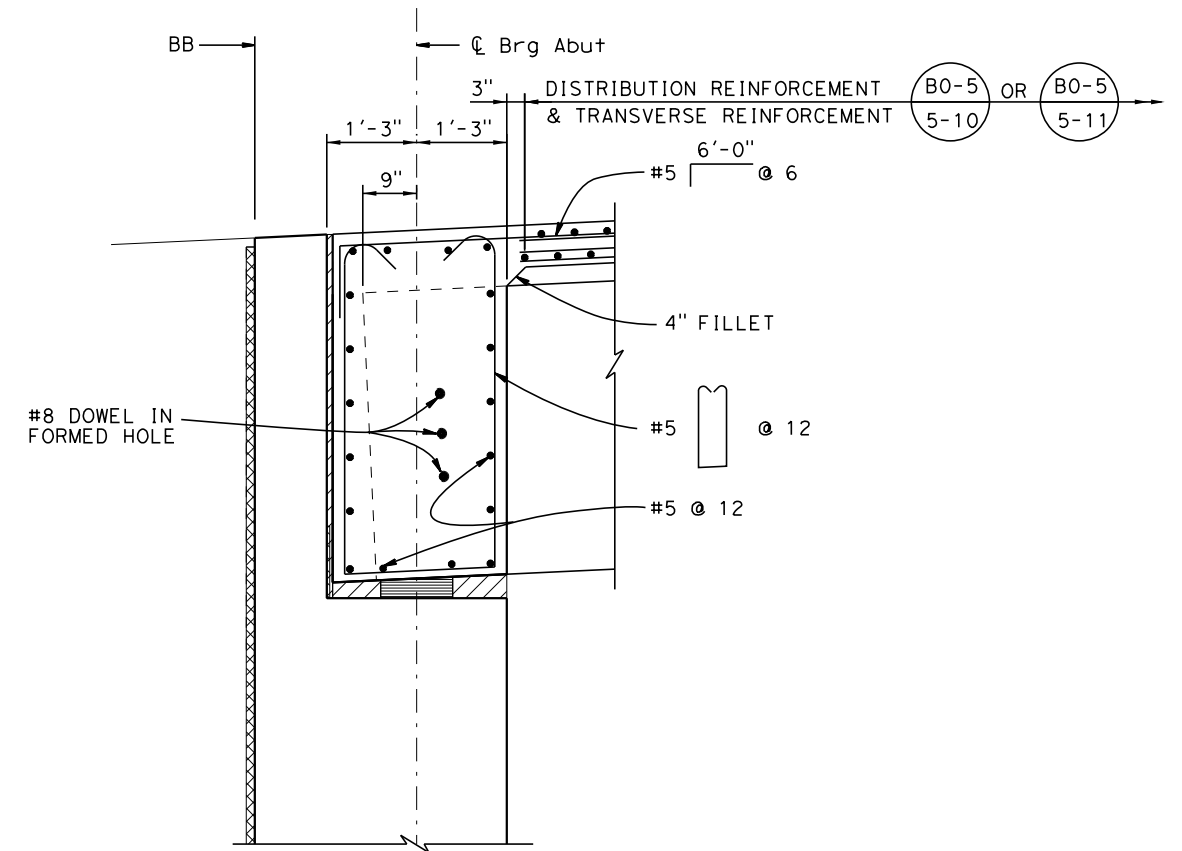
EL DORADO TRAIL
 MISSOURI FLAT ROAD
 PEDESTRIAN OVERCROSSING

SHEET
S-14
 37 of 42
 W.O. No.

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 FOR REDUCED PLANS
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END DIAPHRAGM
3/4" = 1' - 0"



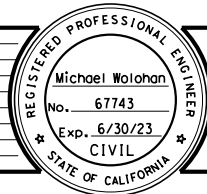
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PREPARED UNDER THE SUPERVISION OF :
 Michael Wolohan
 No. 67743
 Exp. 6/30/23
 CIVIL
 REGISTERED CIVIL ENGINEER
 1/24/2022

DESIGNED: M. W.
 CHECKED: P. B.
 ROAD NUMBER:
 DRAWN: H. H.
 DATE: 3/6/2020



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

EL DORADO TRAIL
 MISSOURI FLAT ROAD
 PEDESTRIAN OVERCROSSING

PRECAST GIRDER DETAILS NO. 1
SCALE AS SHOWN

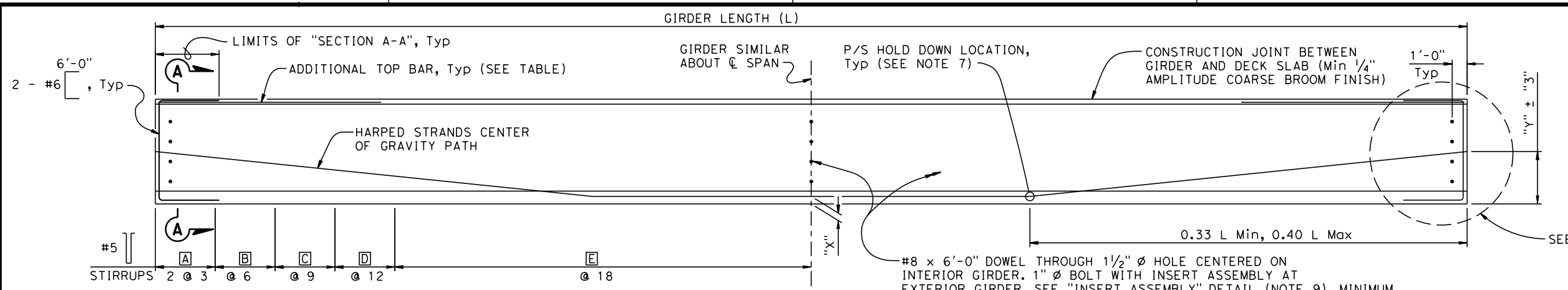
SHEET
S-15
 38 of 42
 W.O. No.

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

Michael M. Wolohan 1/24/22
 REGISTERED CIVIL ENGINEER DATE
 PLANS APPROVAL DATE
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 The Registered Civil Engineer for the project is responsible for the selection and proper application of the component design and any modifications shown.

REGISTERED PROFESSIONAL ENGINEER

Michael M. Wolohan
No. C67743
Exp. 6/30/23
CIVIL
STATE OF CALIFORNIA



| LOCATION | A | B | C | D | E |
|----------------|--------|--------|-------|-------|--------|
| SPAN 1 GIRDERS | 24 SPA | 12 SPA | 8 SPA | 6 SPA | 13 SPA |
| SPAN 3 GIRDERS | 20 SPA | 12 SPA | 8 SPA | 6 SPA | 19 SPA |

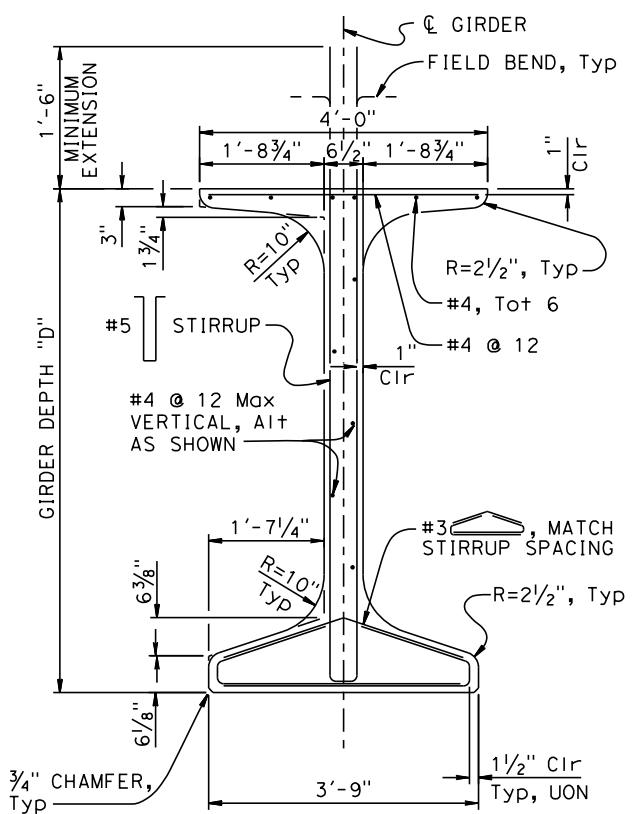
ELEVATION

NOTE:
Girder ends to be cast such that a level surface is provided at bearing pads

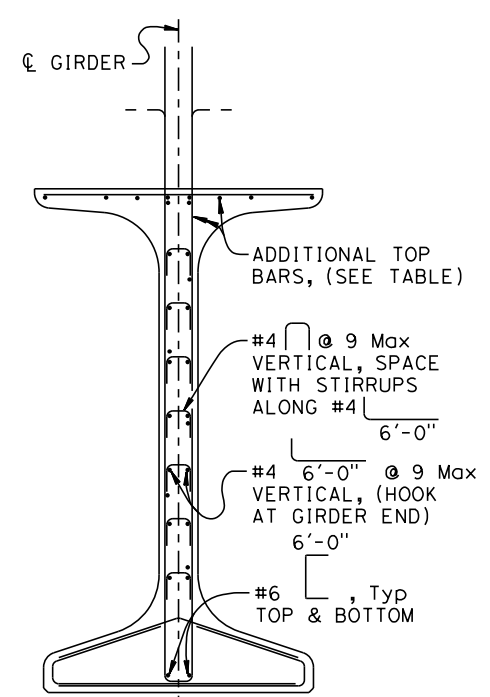
| LOCATION | GIRDER LENGTH (L) | GIRDER DEPTH (D) | "x" (in) | JACKING FORCE (P) (kips) | As, min (in ²) | "y" (in) | CONCRETE STRENGTH (ksi) | | MIDSPAN DEAD LOAD DEFLECTION (in) | |
|----------------|-------------------|------------------|----------|--------------------------|----------------------------|----------|-------------------------|-----|-----------------------------------|------|
| | | | | | | | f'ci | f'c | DECK | RAIL |
| SPAN 1 GIRDERS | 84'-4" | 4'-0" | - | 1055 | 5.208 | 3.5 | 6.0 | 7.0 | 0.63 | 0.05 |
| | | | 3.5 | 176 | 0.868 | 20.5 | | | | |
| SPAN 3 GIRDERS | 100'-4" | 4'-0" | - | 1494 | 7.378 | 5.68 | 6.0 | 7.0 | 1.25 | 0.09 |
| | | | 5.5 | 352 | 1.736 | 17.5 | | | | |

NOTES

- The Jacking Force (P) is the jacking force required at the point of control along the span. The jacking force does not include any specific fabrication losses.
- Concrete strength:
f'ci is at time of initial stressing
f'c is at 28 days
- Deflection components are informational only and will be used to set screed line elevations.
- Screed line elevations for deck concrete will be determined by the Engineer.
- Prestressing strand shall be 270 ksi low relaxation.
- Contractor may interpolate "Jacking Force" and "x" values between the limits shown, as approved by the Engineer.
- There must be a minimum of two hold downs per girder for the prestressing within the span.
- As, min is the minimum area required of prestressing steel.
- For "INSERT ASSEMBLY" Detail, see "PC/PRE-TENSIONED WIDE FLANGE GIRDER (HARPED STRANDS MISC. DETAILS)" sheet.

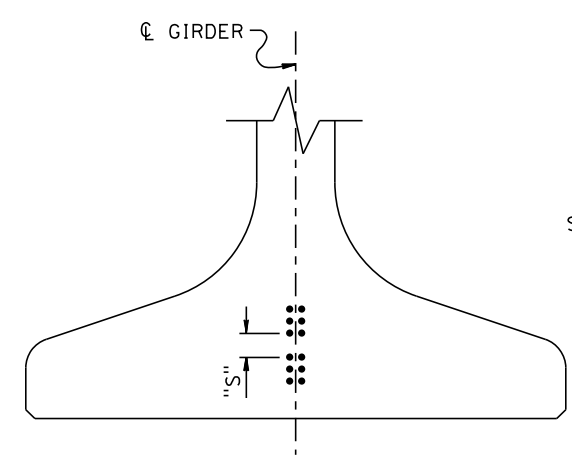


TYPICAL GIRDER SECTION



NOTE:
For details not shown, see "TYPICAL GIRDER SECTION"

SECTION A-A



STRAND CLEARANCES NOTES:

- Strands may be bundled in groups consisting of 3 vertically, 2 horizontally at midspan, and separated at the ends.
- The minimum distance "S" between groups or individual strands is 1 3/4" for 0.5" ø strand and 2" for 0.6" ø strand.
- "S" is measured between centers of adjacent strands.
- Approval of Engineer is required for deviation.

CLEARANCES FOR PRE-TENSIONED STRANDS

PRECAST GIRDER DETAILS NO. 2

EL DORADO TRAIL
MISSOURI FLAT ROAD
PEDESTRIAN OVERCROSSING

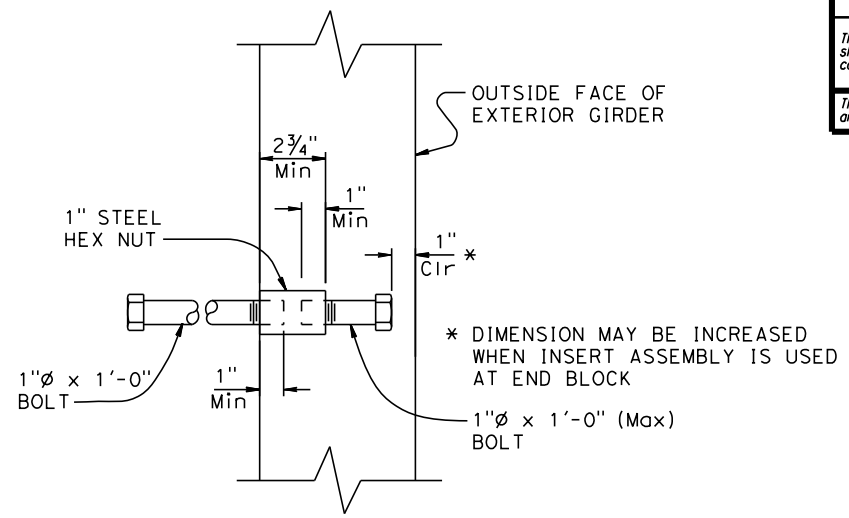
NO SCALE

PC/PRE-TENSIONED WIDE FLANGE GIRDER (HARPED STRANDS)

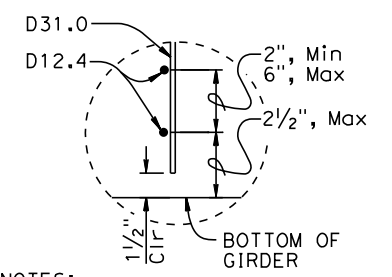
| | | | | | |
|---|--|--|----------------------------------|--|---|
| BRIDGE STANDARD DETAILS | | STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION | DIVISION OF ENGINEERING SERVICES | BRIDGE NO. | PC/PRE-TENSIONED WIDE FLANGE GIRDER (HARPED STRANDS) |
| xs1-124-1 <small>FILE NO.</small> | October 2016 <small>APPROVAL DATE</small> | | | <small>The components of the Bridge Standard Details have been prepared under the responsible charge of the Technical Owner, a registered civil engineer in the State of California.</small> | |
| <small>Refer to: https://www.dot.ca.gov/hq/esc/techpubs/manual/bridgemanuals/bridge-standard-detail-sheets/index.html</small> | | <small>FILE => T:\Sacramento\Projects\710099.00\600_CADD\05_Official\struc\dgn\710099-m-xs1-124-1.dgn</small> | | PROJECT NUMBER & PHASE: | CONTRACT NO.: |
| <small>ORIGINAL SCALE IN INCHES FOR REDUCED PLANS</small> | | <small>DATE PLOTTED => 1/24/2022</small> | | DISREGARD PRINTS BEARING EARLIER REVISION DATES | SHEET 39 OF 42 |

USERNAME => michael.wolohan
 TIME PLOTTED => 2:21:59 AM
 FILE => T:\Sacramento\Projects\710099.00\600_CADD\05_Official\struc\dgn\710099-m-xs1-124-1.dgn

| | | | | | |
|---|--------|-------|---|-----------|--------------|
| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
| | | | | | |
| | | | 1/24/22 REGISTERED CIVIL ENGINEER DATE | | |
| PLANS APPROVAL DATE | | | | | |
| <i>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.</i> | | | | | |
| <i>The Registered Civil Engineer for the project is responsible for the selection and proper application of the component design and any modifications shown.</i> | | | | | |

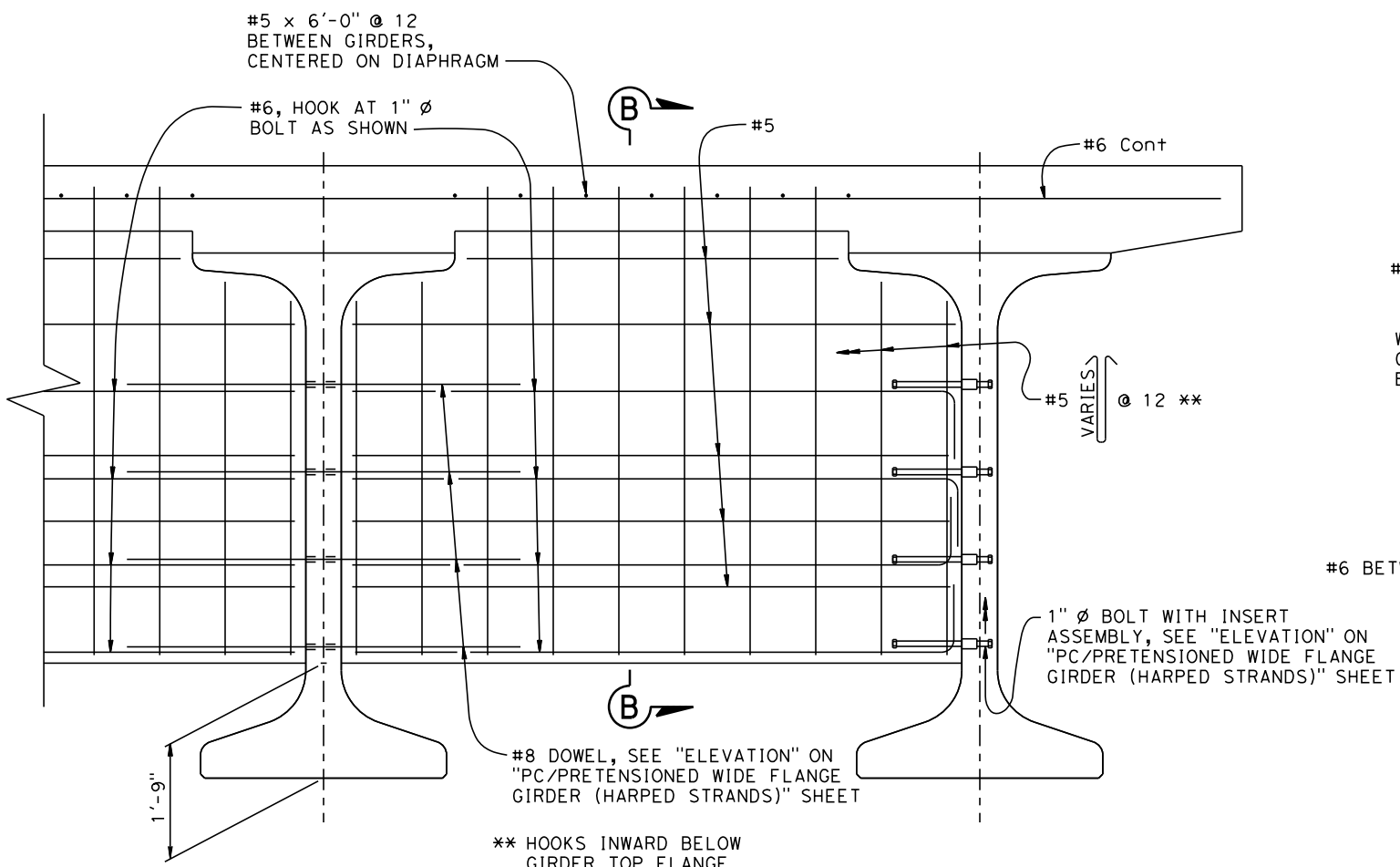


INSERT ASSEMBLY

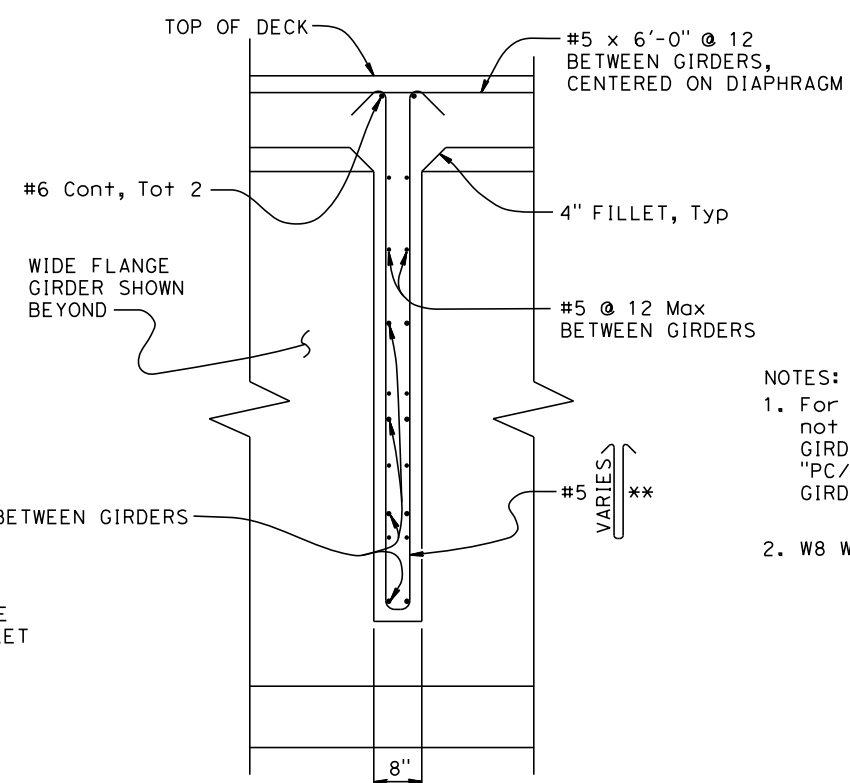


- NOTES:
1. Bottom of stirrup WWR detail shown, top similar
 2. Longitudinal wire area shall be 40% or greater of vertical deformed wire's area

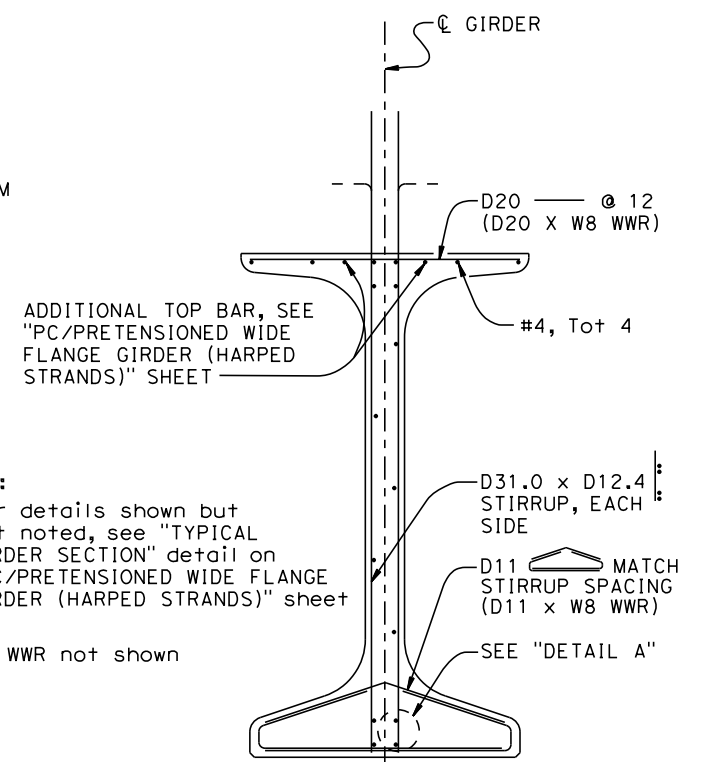
DETAIL A



INTERMEDIATE DIAPHRAGM



SECTION B-B



WELDED WIRE REINFORCEMENT (WWR) ALTERNATIVE

PRECAST GIRDER DETAILS NO. 3

NO SCALE

**EL DORADO TRAIL
MISSOURI FLAT ROAD
PEDESTRIAN OVERCROSSING**

**PC/PRE-TENSIONED WIDE FLANGE GIRDER
(HARPED STRANDS MISC. DETAILS)**

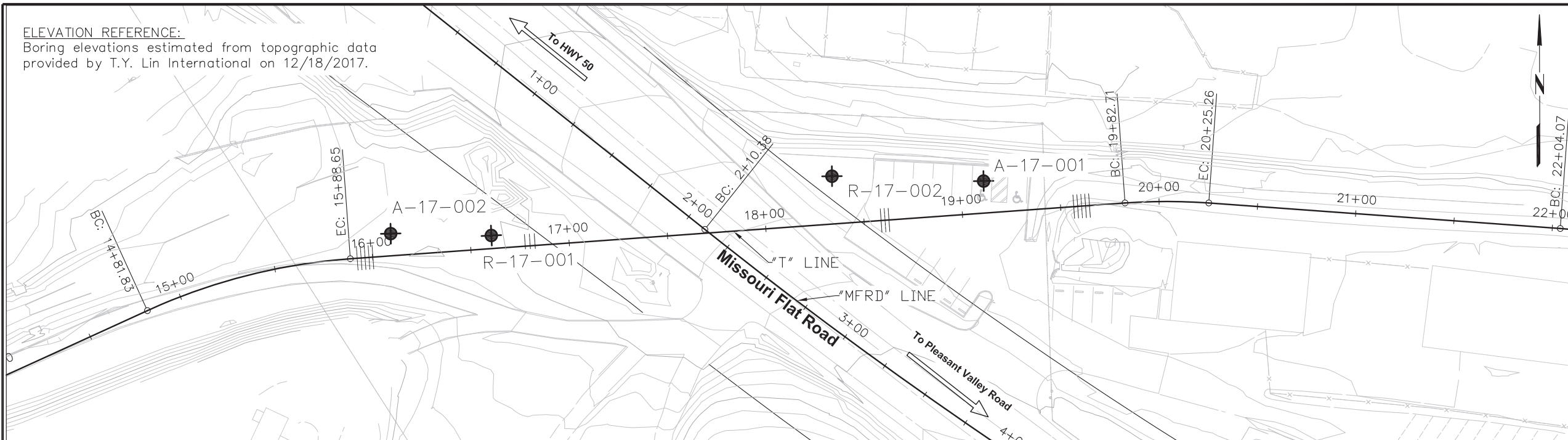
| BRIDGE STANDARD DETAILS | | |
|-------------------------|---------------|---|
| xs1-124-2 | October 2016 | <i>The components of the Bridge Standard Details have been prepared under the responsible charge of the Technical Owner, a registered civil engineer in the State of California</i> |
| FILE NO. | APPROVAL DATE | |


| | | | |
|---|----------------------------------|------------|--|
| STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION | DIVISION OF ENGINEERING SERVICES | BRIDGE NO. | |
| | | POST MILE | |

| | | | | | | | | | |
|---|--|--|---------|-------------------------------|---------------|---|-----------------|----------|-------|
| Refer to: https://www.dot.ca.gov/hq/esc/techpubs/manual/bridgemanuals/bridge-standard-detail-sheets/index.html | FILE => T:\Sacramento\Projects\710099.00\600_CADD\05_Official\struc\dgn\710099-m-xs1-124-2.dgn | ORIGINAL SCALE IN INCHES FOR REDUCED PLANS | 0 1 2 3 | UNIT: PROJECT NUMBER & PHASE: | CONTRACT NO.: | DISREGARD PRINTS BEARING EARLIER REVISION DATES | REVISION DATES | SHEET 40 | OF 42 |
| USERNAME => michael.wolohan | TIME PLOTTED => 2:23:38 AM | DATE PLOTTED => 1/24/2022 | | | | | 10-2-16 11-1-16 | | |

USERNAME => michael.wolohan PLOTTED => 1/24/2022 2:23:38 AM
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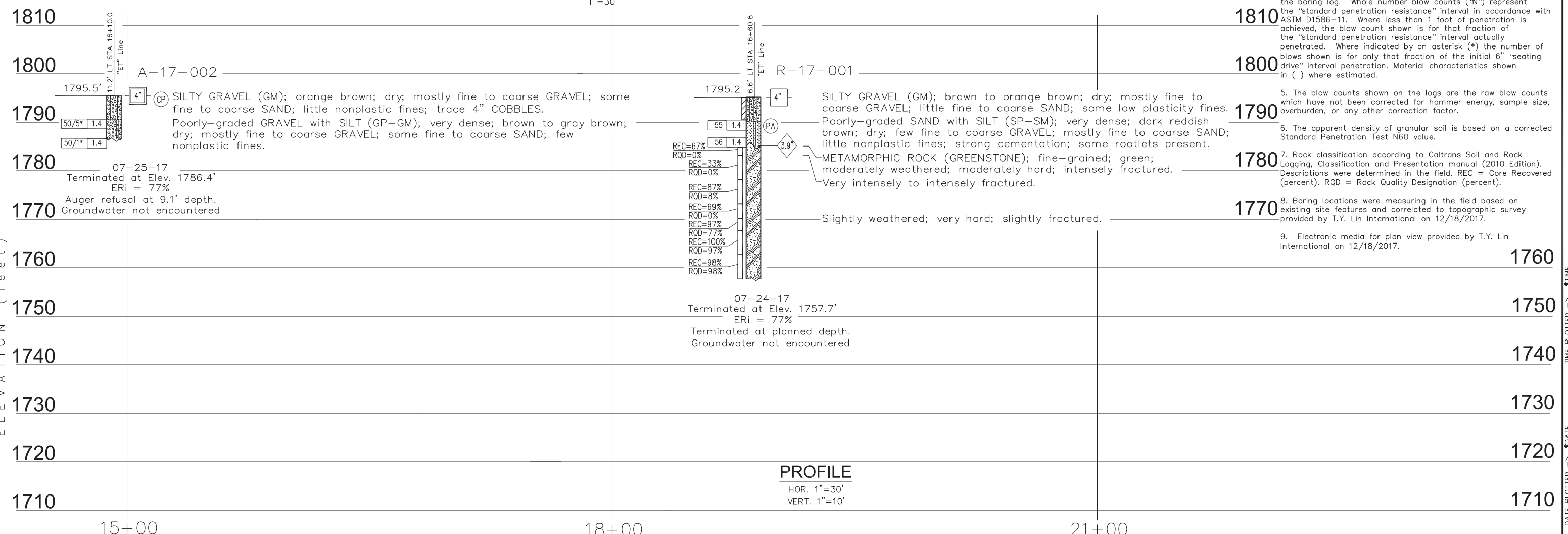
ELEVATION REFERENCE:
Boring elevations estimated from topographic data provided by T.Y. Lin International on 12/18/2017.



| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No | TOTAL SHEETS |
|---|--------|-------|--------------------------|----------|--------------|
| 03 | ED | XX | | | |
|  CERTIFIED ENGINEERING GEOLOGIST | | | 08/20/18 | DATE | |
| REGISTERED GEOLOGIST DAVID A. KIT ZEMAN No. 2412 CERTIFIED ENGINEERING GEOLOGIST STATE OF CALIFORNIA | | | | | |
| PLANS APPROVAL DATE | | | | | |
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| WRECO 7807 LAGUNA BLVD., SUITE 400 ELK GROVE, CALIFORNIA 95758 WRECO JOB NO.: P17076 | | | | | |
| T.Y. LIN INTERNATIONAL 1601 Response Road, Suite 260 Sacramento, CA 95815 | | | | | |

- Notes:
- Field classification of soils was in accordance with the Caltrans Soil & Rock Logging, Classification, and Presentation Manual (2010 Edition).
 - 1.4" samples were taken using a 1.375" ID split barrel sampler per Standard Penetration Test (SPT) performed in accordance with ASTM D 1586-11.
 - 1.4" samples were taken with an automated hammer system consisting of a hammer weight of 140 lbs. free falling a distance of 30". Autohammer energy ratio (ETR) measurements indicate an ETR=77%. The last 12" of an 18" drive were recovered as the blow count number required to drive the sampler.
 - The length of each sampled interval is shown graphically on the boring log. Whole number blow counts ('N') represent the "standard penetration resistance" interval in accordance with ASTM D1586-11. Where less than 1 foot of penetration is achieved, the blow count shown is for that fraction of the "standard penetration resistance" interval actually penetrated. Where indicated by an asterisk (*) the number of blows shown is for only that fraction of the initial 6" "seating drive" interval penetration. Material characteristics shown in () where estimated.
 - The blow counts shown on the logs are the raw blow counts which have not been corrected for hammer energy, sample size, overburden, or any other correction factor.
 - The apparent density of granular soil is based on a corrected Standard Penetration Test N60 value.
 - Rock classification according to Caltrans Soil and Rock Logging, Classification and Presentation manual (2010 Edition). Descriptions were determined in the field. REC = Core Recovered (percent). RQD = Rock Quality Designation (percent).
 - Boring locations were measuring in the field based on existing site features and correlated to topographic survey provided by T.Y. Lin International on 12/18/2017.
 - Electronic media for plan view provided by T.Y. Lin International on 12/18/2017.

PLAN
1"=30'



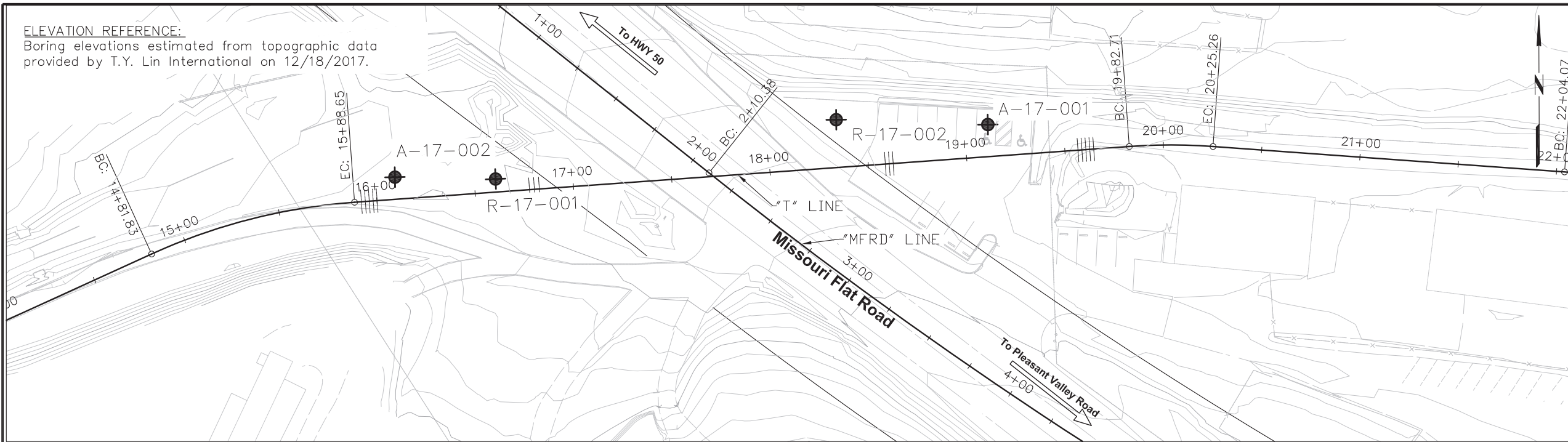
PROFILE
HOR. 1"=30'
VERT. 1"=10'

11/2/2015 OR-Missouri Flat LOTB_rev.dwg

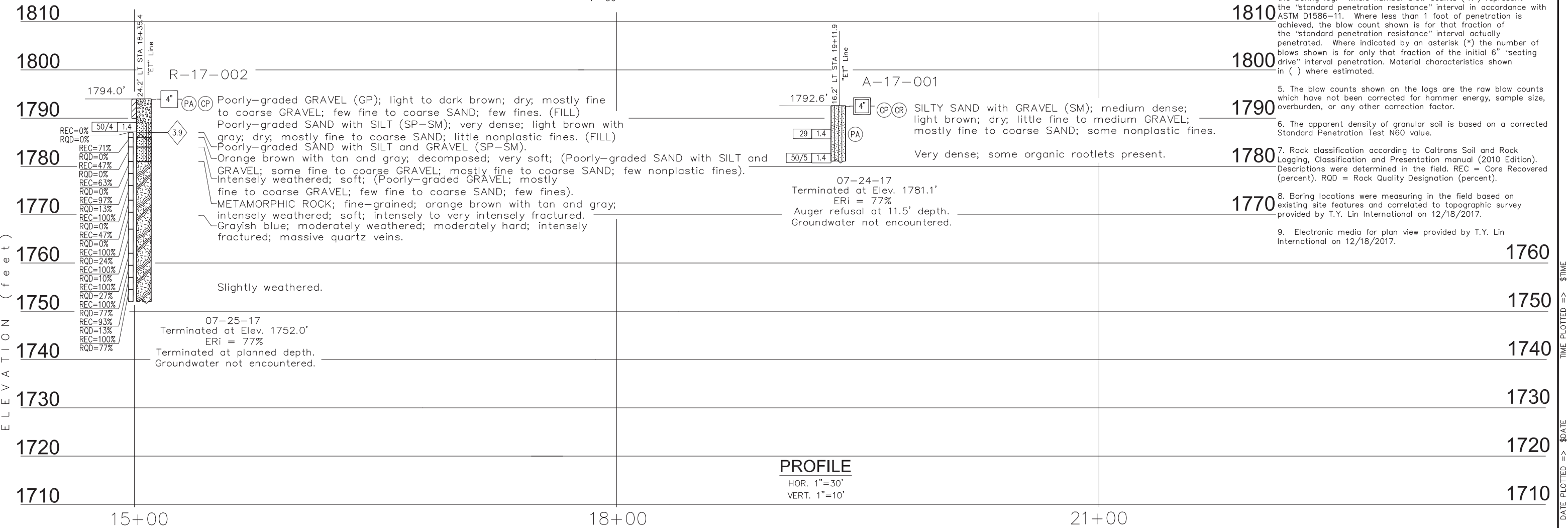
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|-------------------------------------|--|---|--|--|--|------------------------|--|--|--|---|--|----------------|--|
| ENGINEERING SERVICES | | GEOTECHNICAL SERVICES | | PREPARED FOR THE EL DORADO COUNTY COMMUNITY DEVELOPMENT AGENCY | | BRIDGE NO. XXX-XXXX | | EL DORADO TRAIL AT MISSOURI FLAT ROAD BIKE/PED OC | | | | | |
| FUNCTIONAL SUPERVISOR Name | | DRAWN BY: D. Lukashov CHECKED BY: A. Kahn | | FIELD INVESTIGATION BY: D. Lukashov | | DATE: 07/24-25/17 | | PROJECT ENGINEER XX | | LOG OF TEST BORINGS 1 OF 2 | | | |
| OGS CIVIL LOG OF TEST BORINGS SHEET | | ORIGINAL SCALE IN INCHES FOR REDUCED PLANS | | 0 1 2 3 | | CU XXXXXX EA XXXXXX | | DISREGARD PRINTS BEARING EARLIER REVISION DATES | | REVISION DATES (PRELIMINARY STAGE ONLY) | | SHEET 41 OF 42 | |

ELEVATION REFERENCE:
Boring elevations estimated from topographic data provided by T.Y. Lin International on 12/18/2017.




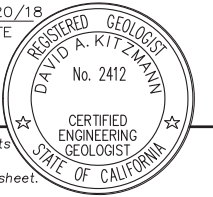
PLAN
1"=30'



PROFILE

HOR. 1"=30'
VERT. 1"=10'

| | | | | | |
|---|--------|-------|--------------------------|----------|--------------|
| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No | TOTAL SHEETS |
| 03 | ED | XX | | | |
|  CERTIFIED ENGINEERING GEOLOGIST | | | 08/20/18 | DATE | |
| PLANS APPROVAL DATE _____ | | | | | |
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| WRECO 7807 LAGUNA BLVD., SUITE 400 ELK GROVE, CALIFORNIA 95758 WRECO JOB NO.: P17076 | | | | | |
| T.Y. LIN INTERNATIONAL 1601 Response Road, Suite 260 Sacramento, CA 95815 | | | | | |



- Notes:
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 - Boring locations were measuring in the field based on existing site features and correlated to topographic survey provided by T.Y. Lin International on 12/18/2017.
 - Electronic media for plan view provided by T.Y. Lin International on 12/18/2017.

11/2/2015 OR-Missouri Flat LOTB_rev.dwg

DATE PLOTTED => \$DATE USERNAME => \$USER TIME PLOTTED => \$TIME

| | | | | | | |
|-------------------------------------|--|---|----------------------|--|--|--|
| ENGINEERING SERVICES | | GEOTECHNICAL SERVICES | | PREPARED FOR THE EL DORADO COUNTY COMMUNITY DEVELOPMENT AGENCY | BRIDGE NO. XXX-XXXX | EL DORADO TRAIL AT MISSOURI FLAT ROAD BIKE/PED OC LOG OF TEST BORINGS 2 OF 2 |
| FUNCTIONAL SUPERVISOR Name | DRAWN BY: D. Lukashov CHECKED BY: A. Kahn | FIELD INVESTIGATION BY: D. Lukashov | DATE: 07/24-25/17 | XX PROJECT ENGINEER | POST MILE XX.XX | |
| OGS CIVIL LOG OF TEST BORINGS SHEET | | ORIGINAL SCALE IN INCHES FOR REDUCED PLANS | | CU XXXXXX EA XXXXXX | DISREGARD PRINTS BEARING EARLIER REVISION DATES | |
| | | | | 0 1 2 3 | FILE => \$REQUEST | REVISION DATES (PRELIMINARY STAGE ONLY) |
| | | | | | | SHEET 42 OF 42 |