

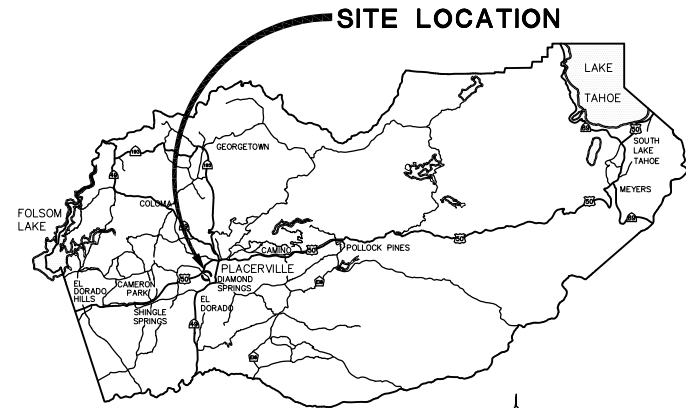
COUNTY OF EL DORADO, CA  
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR THE CONSTRUCTION OF  
**MISSOURI FLAT ROAD PHASE 1  
CLASS I TRAIL CONNECTION**

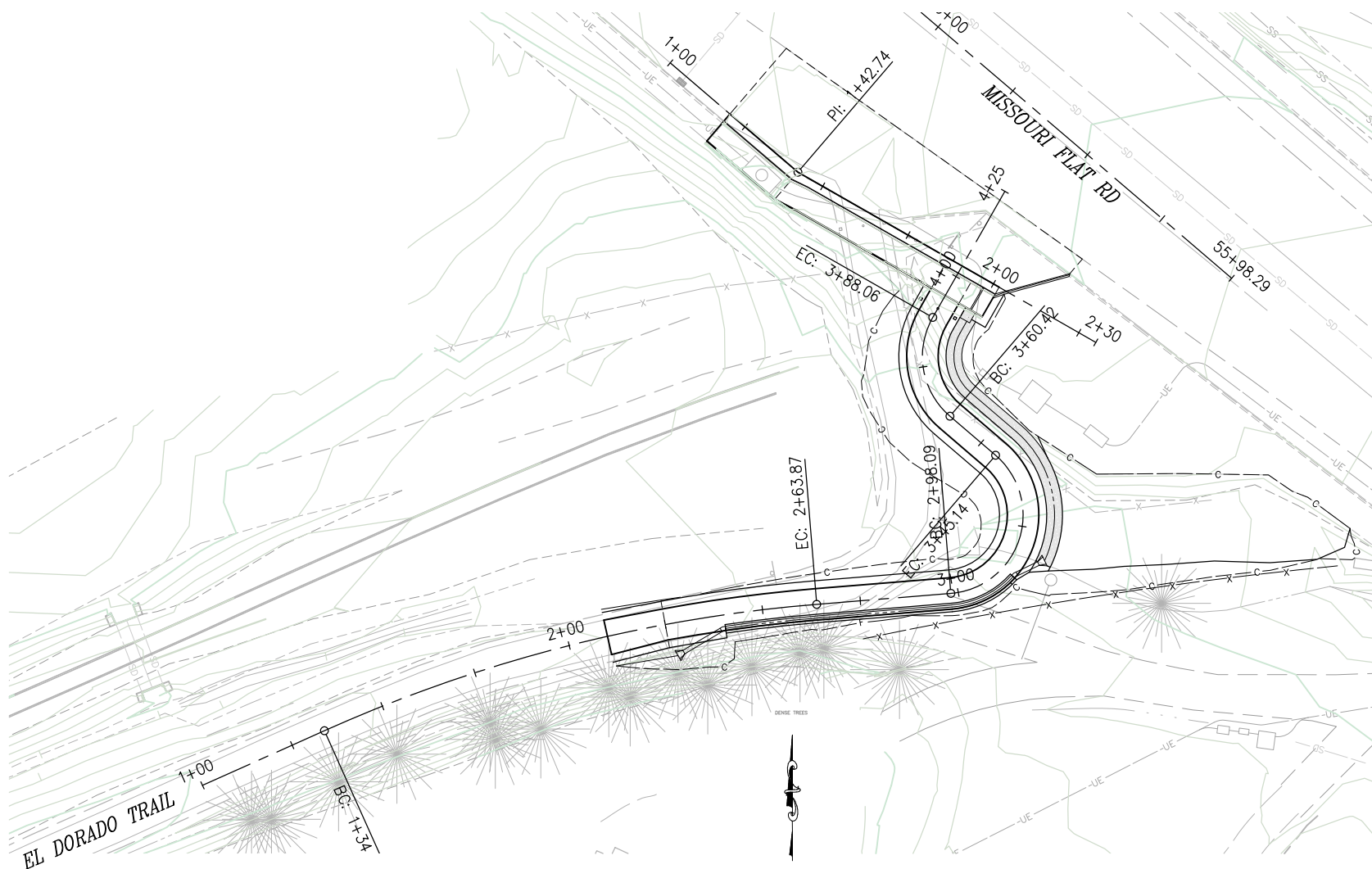
IN THE COUNTY OF EL DORADO, DISTRICT 3  
APPROX 0.8 MILES SOUTH OF US HWY 50

To be supplemented with Standard Plans and Specifications dated 2018, including  
the 2018 Revised Standard Specifications, of the California Department of  
Transportation, unless otherwise noted.

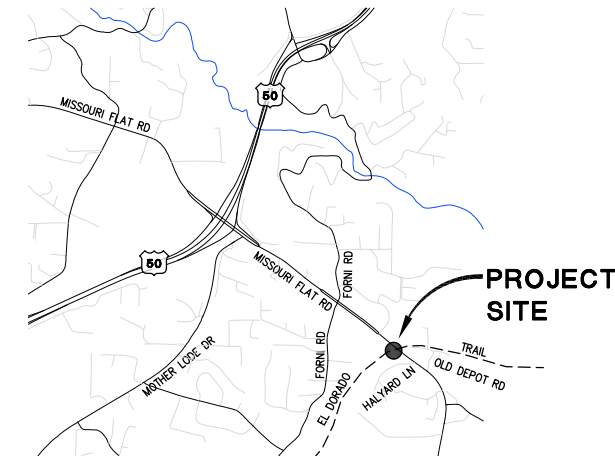
| INDEX OF SHEETS |              |                            |
|-----------------|--------------|----------------------------|
| SHEET           | PLAN SHEET   | TITLE                      |
| 1               |              | TITLE SHEET                |
| 2               | CD-1         | SURVEY AND CONTROL DIAGRAM |
| 3               | X-1          | TYPICAL SECTIONS           |
| 4-5             | L-1 THRU L-2 | LAYOUT                     |
| 6               | L-3          | LAYOUT-GRADING AREA        |
| 7               | C-1          | CONSTRUCTION DETAILS       |
| 8               | D-1          | DRAINAGE                   |
| 9               | RW-1         | RETAINING WALL             |



VICINITY MAP  
COUNTY OF EL DORADO



SITE PLAN  
SCALE: 1"=20'



LOCATION MAP  
NOT TO SCALE

FEDERAL AID PROJECT  
STPL 5925 (190)

**BOARD OF SUPERVISORS**

|     |                |
|-----|----------------|
| I   | JOHN HIDAHL    |
| II  | GEORGE TURNBOO |
| III | WENDY THOMAS   |
| IV  | LORI PARLIN    |
| V   | SUE NOVASEL    |

**COUNTY OF EL DORADO  
DEPARTMENT OF TRANSPORTATION**

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

ADOPTED AND APPROVED BY:

|      |  |
|------|--|
| DATE |  |
| DATE |  |
| DATE |  |

LORI PARLIN  
CHIEF, EL DORADO COUNTY BOARD OF SUPERVISORS

APPROVED BY:

RAFAEL MARTINEZ, DIRECTOR  
DEPARTMENT OF TRANSPORTATION

MATTHEW D. SMELZER, P.E. NO. C56832  
DEPUTY DIRECTOR, ENGINEERING

CONTRACT NO. 6094 CIP NO. 36109012

**MISSOURI FLAT ROAD PHASE 1 -  
CLASS I TRAIL CONNECTION**

**TITLE SHEET**

SHEET **1** OF **9**

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**

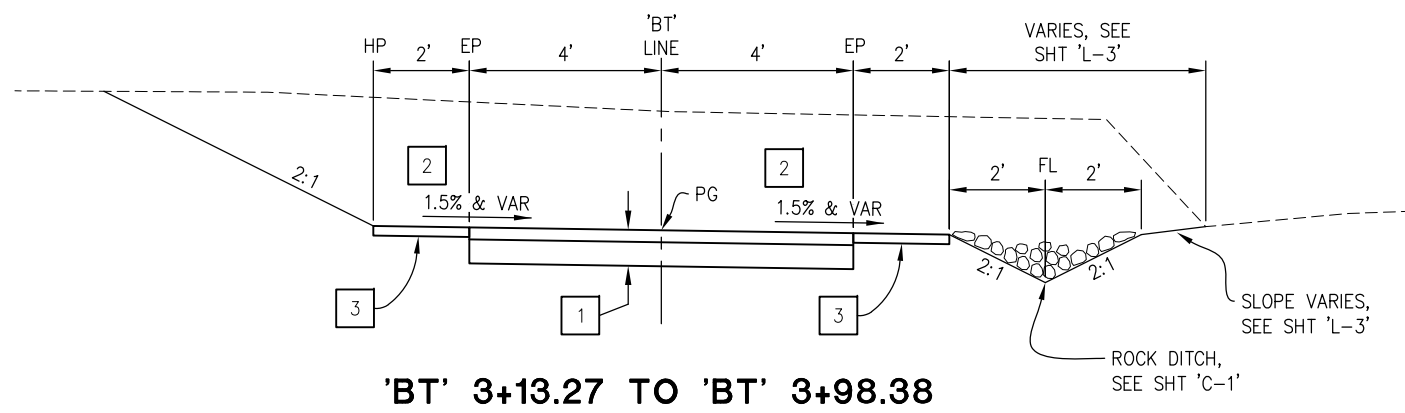
| MARK | DATE | BY |
|------|------|----|
|      |      |    |
|      |      |    |
|      |      |    |
|      |      |    |
|      |      |    |



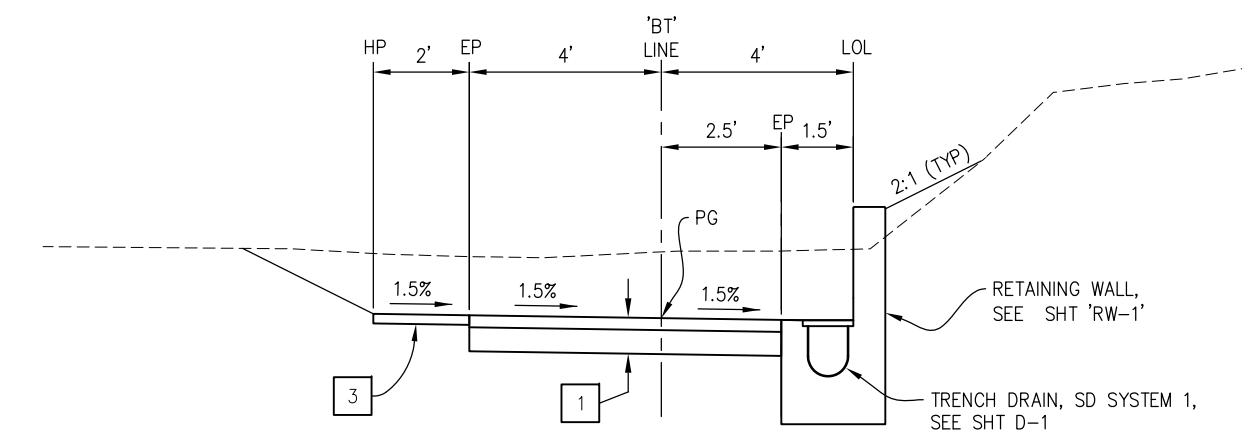
Submitted by: *[Signature]* 4/5/2022  
CIVIL ENGINEER DATE  
STATE OF CALIFORNIA NO.



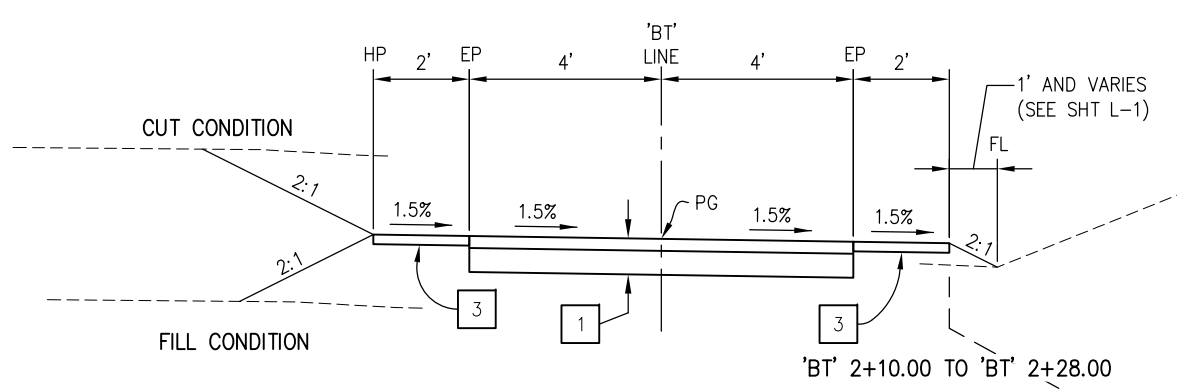
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 Drawing name: Z:\Civil 3D Projects\97015 El Dorado\_POC\CADD\_Files\Sheets\Interim ADA Improvements\X-Sheets.dwg Layout Tab: X-1 Mar\_08\_2022 3:11pm DHarrington



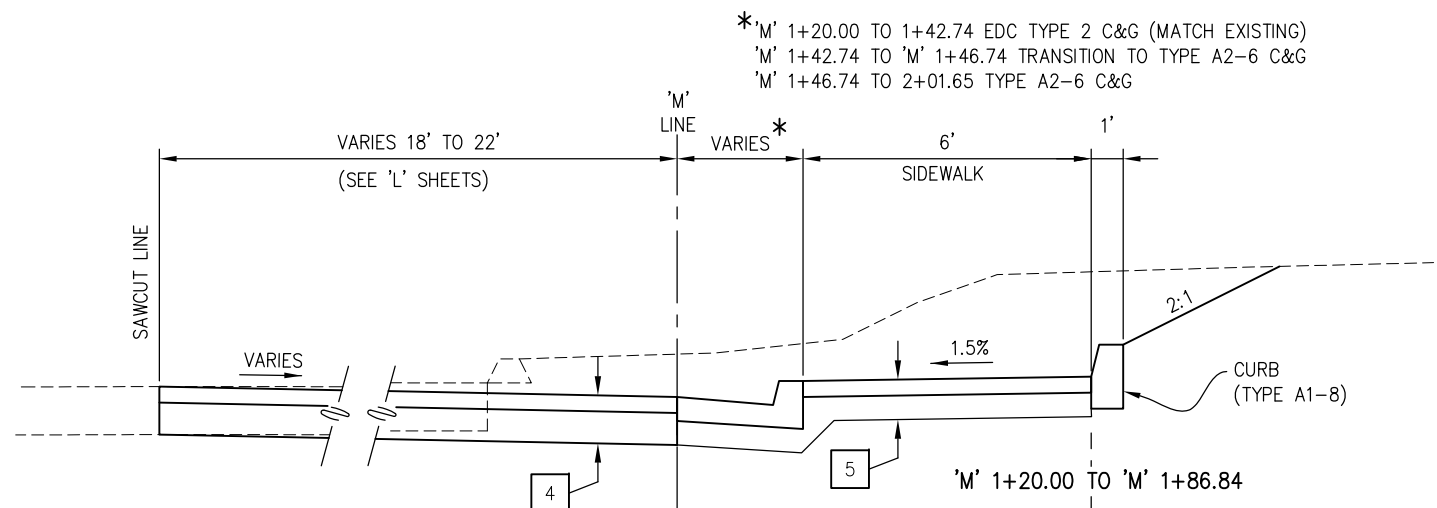
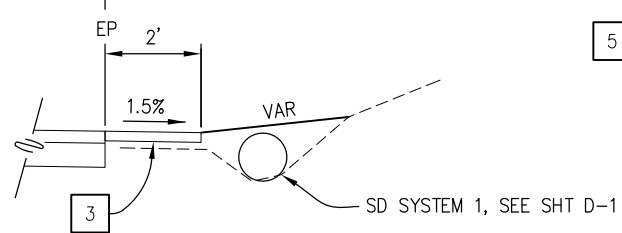
**'BT' 3+13.27 TO 'BT' 3+98.38**



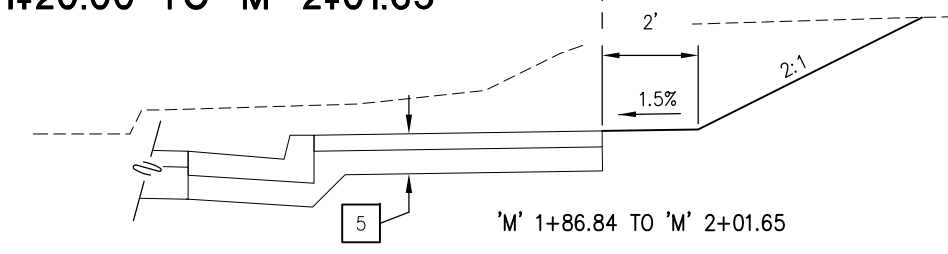
**'BT' 2+40.05 TO 'BT' 3+13.27**



**'BT' 2+10.00 TO 'BT' 2+40.05**



**'M' 1+20.00 TO 'M' 2+01.65**



\*'M' 1+20.00 TO 1+42.74 EDC TYPE 2 C&G (MATCH EXISTING)  
 'M' 1+42.74 TO 'M' 1+46.74 TRANSITION TO TYPE A2-6 C&G  
 'M' 1+46.74 TO 2+01.65 TYPE A2-6 C&G

**CONSTRUCTION NOTES:**

- 1 — 0.25' HMA (TYPE A)  
0.5' AB (CLASS 2)
- 2 — CROSS SLOPE VARIES,  
SEE SHT 'L-1' FOR SUPERELEVATION
- 3 — 0.2' SHOULDER BACKING, SHOULDER  
SLOPE MATCHES TRAIL SLOPE
- 4 — 0.5' HMA (TYPE A)  
1.0' AB (CLASS 2)
- 5 — 0.3' PCC  
0.5' AB (CLASS 2)

**TYPICAL SECTIONS  
SCALE : NONE**



PREPARED UNDER THE SUPERVISION OF :  
 [Signature]  
 REGISTERED CIVIL ENGINEER  
 4/5/2022  
 DATE:

DESIGNED: DWH  
 DRAWN: SGM  
 CHECKED: DWH  
 DATE: 03/03/22  
 ROAD NUMBER:



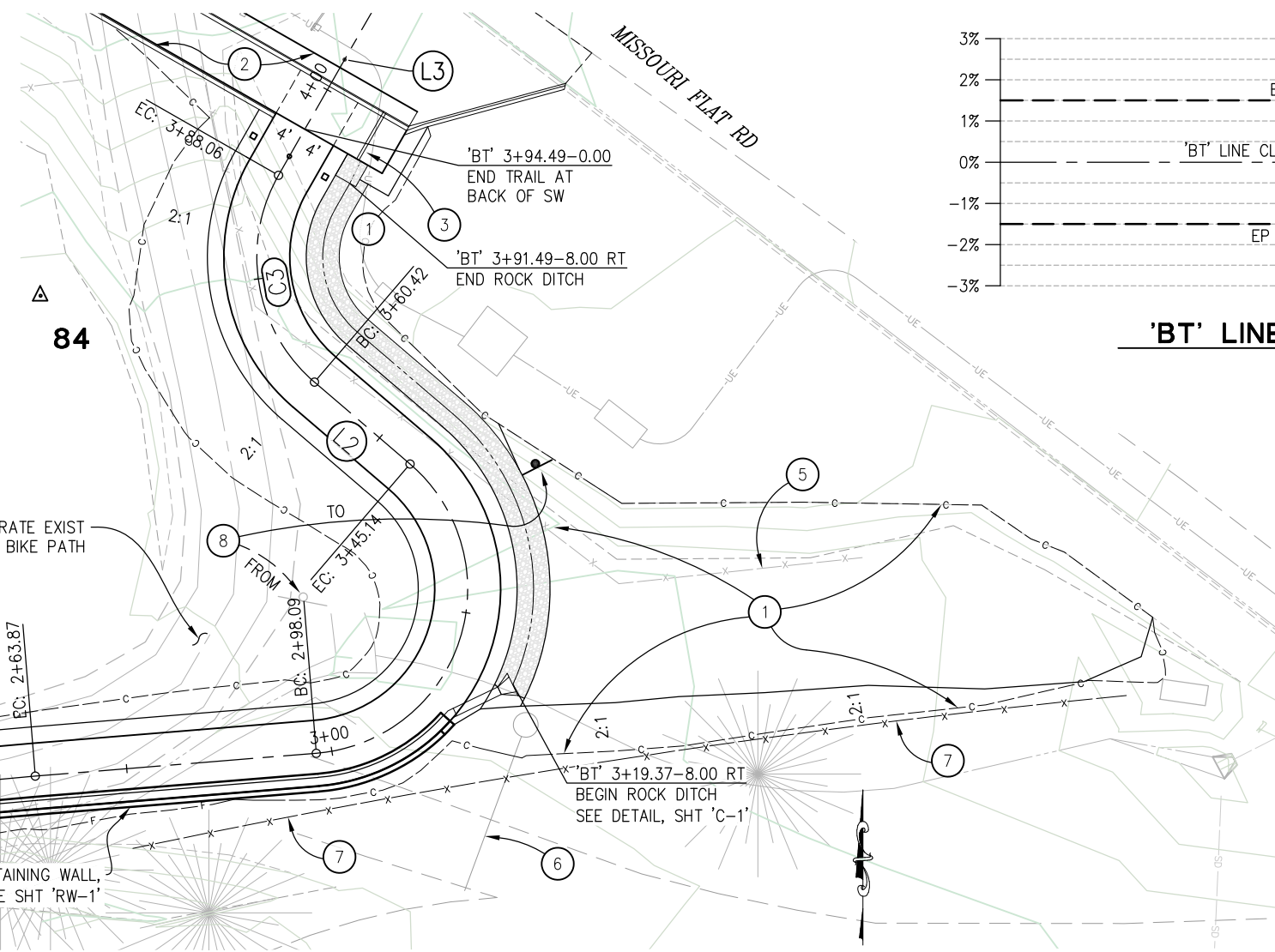
**COUNTY OF EL DORADO  
 DEPARTMENT OF TRANSPORTATION**

**MISSOURI FLAT ROAD PHASE 1 -  
 CLASS I TRAIL CONNECTION**

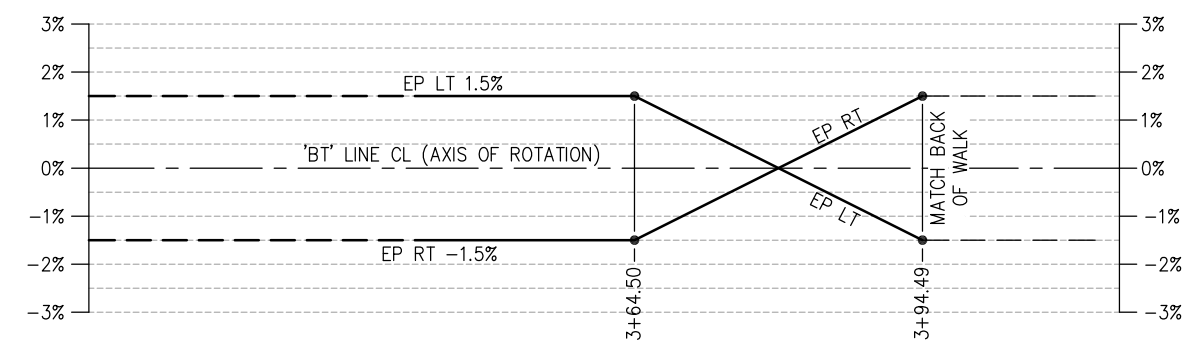
SHEET  
**X-1**  
 3 OF 9  
 W.O. No.  
**36109012**

ORIGINAL SCALE (S IN INCHES)  
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 FOR REDUCED PLANS  
 2  
 1  
 0

| 'BT' LINE |        |        |                                 |             |
|-----------|--------|--------|---------------------------------|-------------|
| NUMBER    | LENGTH | RADIUS | LINE / CHORD DIRECTION & LENGTH | DELTA       |
| L1        | 34.00  |        | N 65° 51' 50" E                 |             |
| C1        | 129.87 | 382.00 | N 75° 36' 12" E - 129.25        | 19° 28' 44" |
| L2        | 15.29  |        | N 49° 25' 54" W                 |             |
| C3        | 27.64  | 20.00  | N 9° 50' 44" W - 25.49          | 79° 10' 19" |
| L3        | 36.94  |        | N 29° 44' 26" E                 |             |



**'BT' LINE - PLAN**  
SCALE: 1"=10'



**'BT' LINE - SUPERELEVATION TRANSITION**  
NTS

**LEGEND**

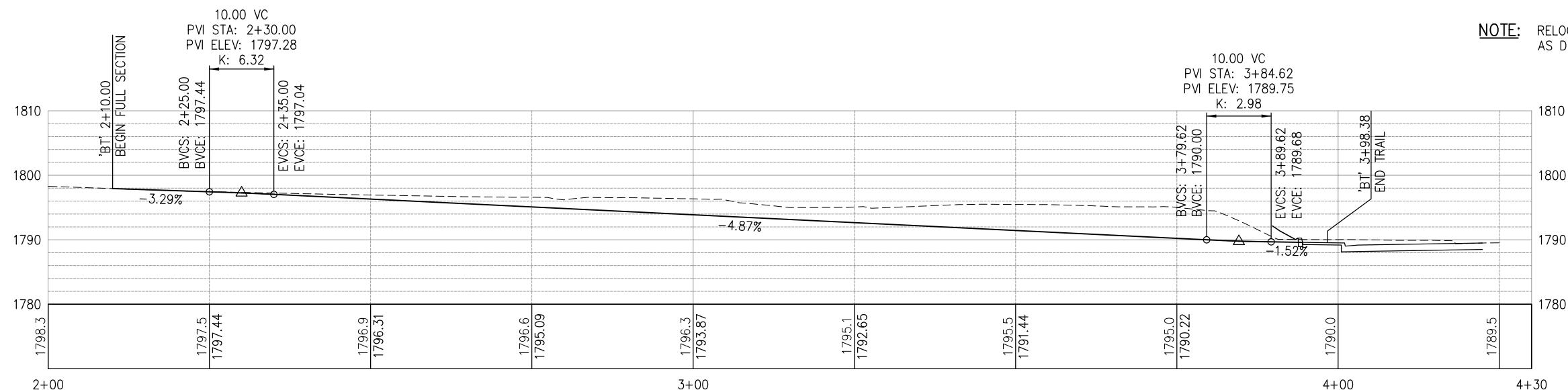
- STORM DRAINAGE SYSTEM NUMBER
- DETAIL SHEET NUMBER

**CONSTRUCTION NOTES:**

- ① - SEE SHT 'L-3' FOR GRADING IN THIS AREA
- ② - CURB, GUTTER, AND SIDEWALK SEE SHT 'L-2'
- ③ - GRATED LINE DRAIN, SEE DETAIL SHT 'C-1'
- ④ - GRADE EXISTING DITCH TO DRAIN TO FES INLET
- ⑤ - REMOVE BW FENCE (APPROX 116 LF)
- ⑥ - REMOVE PIPE GATE
- ⑦ - FENCE (TYPE BW, WOOD POST), 110 LF, EXACT LOCATION DETERMINED BY ENGINEER
- ⑧ - RELOCATE WOOD POST AND SIGN

**NOTE:** RELOCATE EXIST BOULDERS ALONG NEW FENCE (TYPE BW) AS DIRECTED BY ENGINEER TO BLOCK OFF DWY

**NOTE:** APPLY HYDROSEED (PERMANENT EROSION CONTROL) TO ALL DISTURBED AREAS



**'BT' LINE - PROFILE**  
SCALE: 1"=10' H,V



PREPARED UNDER THE SUPERVISION OF:  
  
 REGISTERED CIVIL ENGINEER  
 DATE: 4/5/2022

DESIGNED: DWH  
 DRAWN: SGM  
 CHECKED: DWH  
 DATE: 03/03/22  
 ROAD NUMBER: -



**COUNTY OF EL DORADO  
 DEPARTMENT OF TRANSPORTATION**

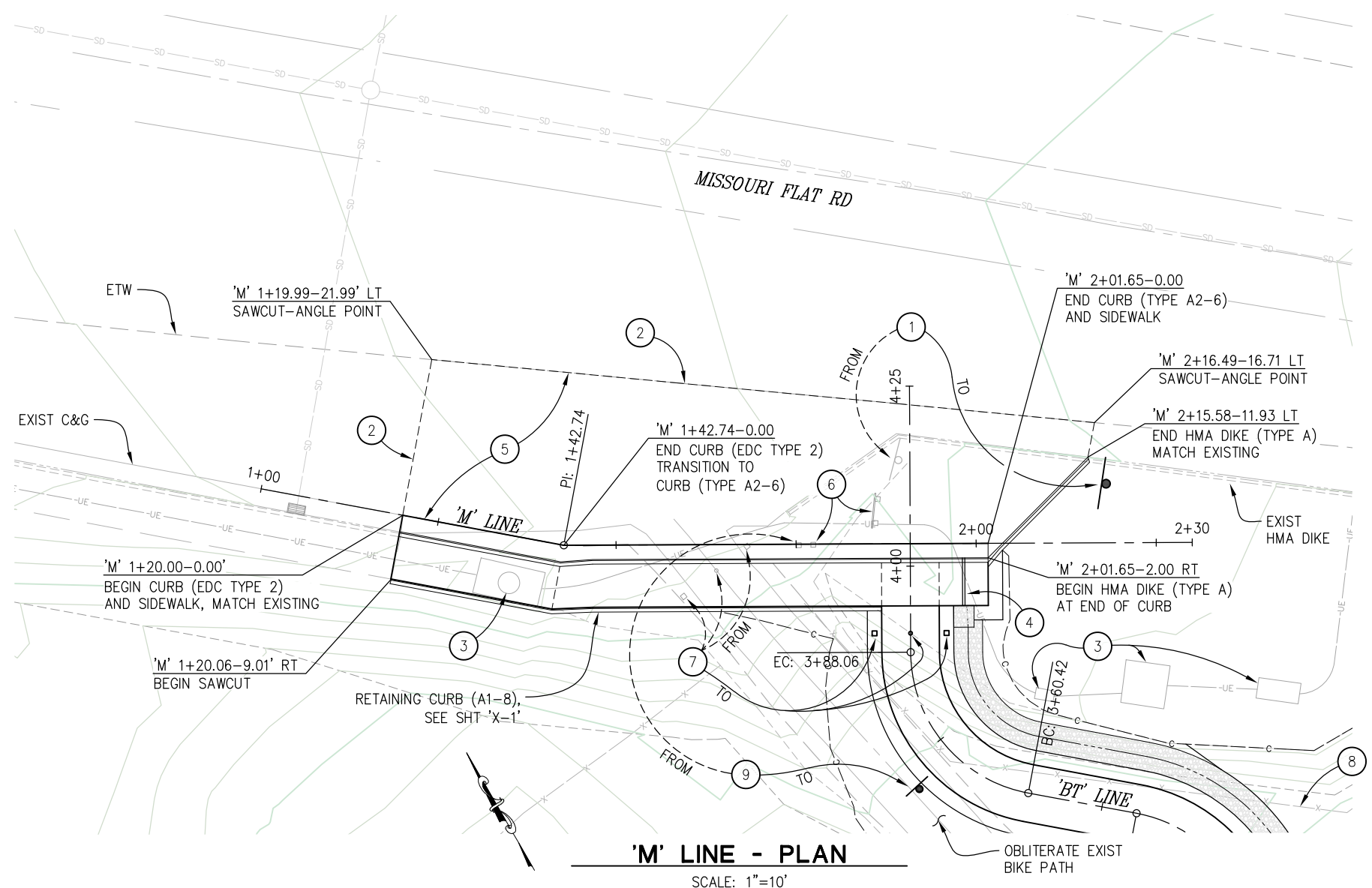
**MISSOURI FLAT ROAD PHASE 1 -  
 CLASS I TRAIL CONNECTION**

**LAYOUT  
 SCALE : AS SHOWN**

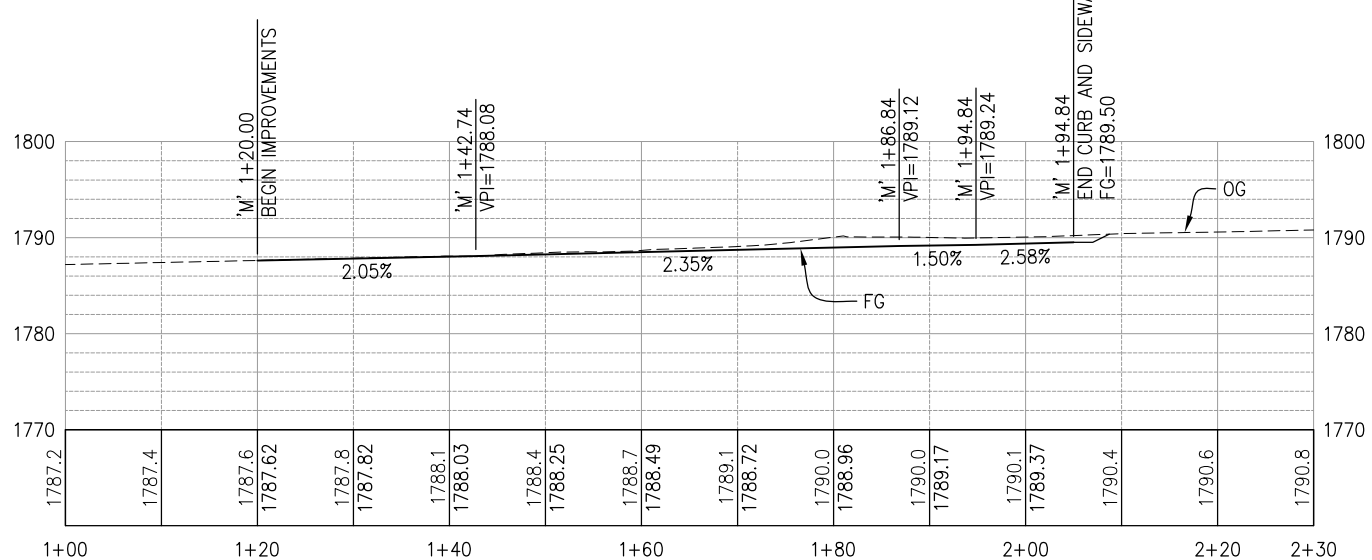
| REVISION | NUMBER | DATE | DESCRIPTION | BY |
|----------|--------|------|-------------|----|
|          |        |      |             |    |

SHEET  
**L-1**  
 4 OF 9  
 W.O. No.  
**36109012**

ORIGINAL SCALE: 1/8" = 1' IN INCHES  
 Drawing name: Z:\Civil 3D Projects\97015 El Dorado\_POC\CADD Files\Sheets\Interim ADA Improvements\1-Sheets.dwg Layout Tab: L-2 Mar 08, 2022 3:35pm Dharrington  
 FOR REDUCED PLANS  
 REVISION



**'M' LINE - PLAN**  
SCALE: 1"=10'



**'M' LINE - PROFILE**  
SCALE: 1"=10' H,V

NOTE: APPLY HYDROSEED (PERMANENT EROSION CONTROL) TO ALL DISTURBED AREAS

**CONSTRUCTION NOTES:**

- ① — RELOCATE SW44 SIGN
- ② — SAWCUT TO A CLEAN UNIFORM LINE
- ③ — EXISTING UTILITY VAULTS, PROTECT IN PLACE
- ④ — GRATED LINE DRAIN, SEE DETAIL SHT 'C-1'
- ⑤ — NEW ROAD SECTION, SEE SHT 'X-1'
- ⑥ — REMOVE WOOD BARRICADE AND EDGE BOLLARD
- ⑦ — RELOCATE PIPE BOLLARD AND EDGE BOLLARDS (2) AS SHOWN, SEE SHT 'C-1' FOR PIPE BOLLARD DETAILS
- ⑧ — REMOVE BW FENCE (APPROX 116 LF)
- ⑨ — RELOCATE WOOD POST WITH SIGNS "STEEP GRADE AHEAD"

**LAYOUT SCALE : AS SHOWN**



PREPARED UNDER THE SUPERVISION OF:  
*Justin W. Harrington*  
 REGISTERED CIVIL ENGINEER  
 DATE: 4/5/2022

DESIGNED: DWH  
 DRAWN: SGM  
 CHECKED: DWH  
 DATE: 03/03/22  
 ROAD NUMBER: -

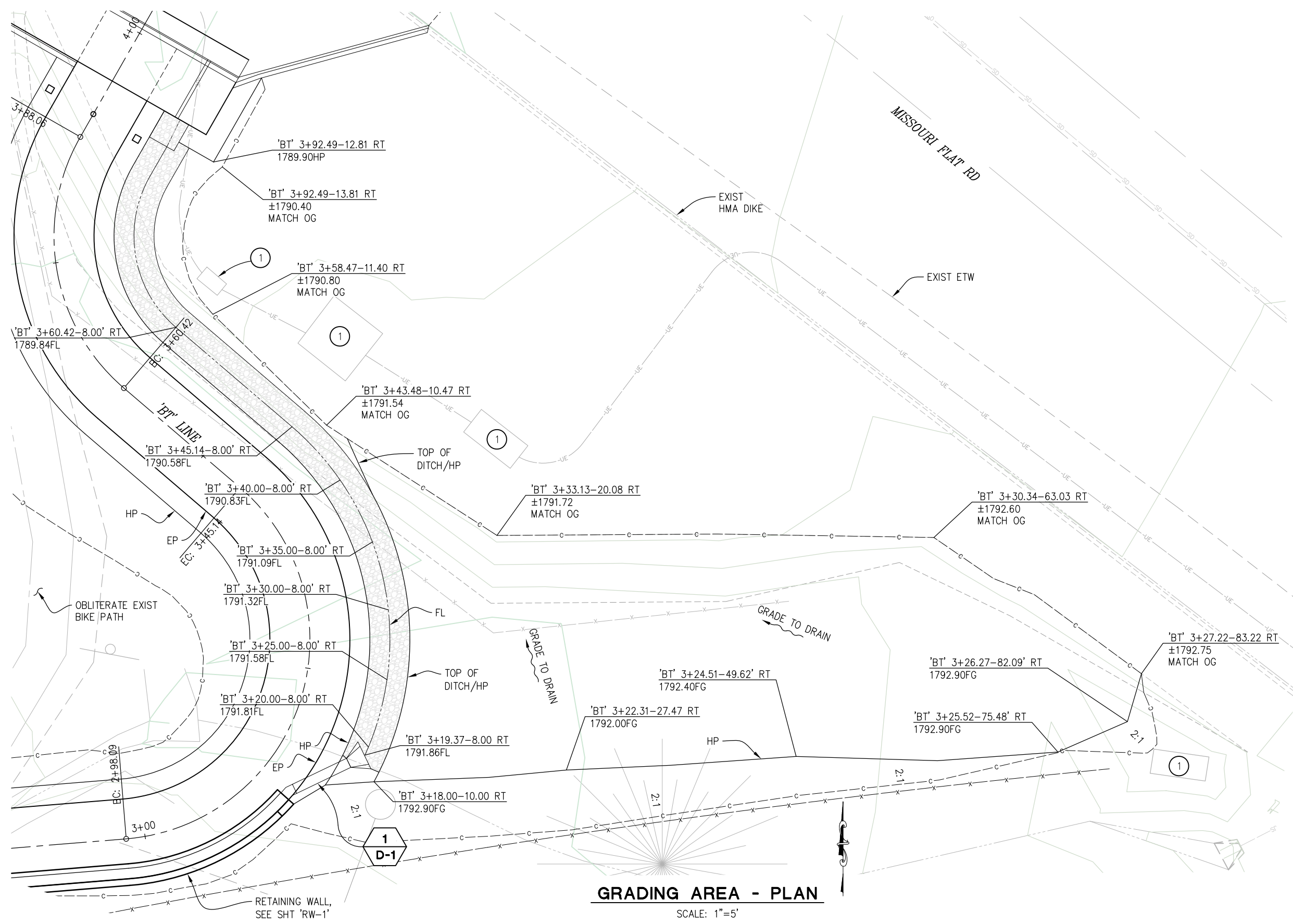


**COUNTY OF EL DORADO DEPARTMENT OF TRANSPORTATION**

**MISSOURI FLAT ROAD PHASE 1 - CLASS I TRAIL CONNECTION**

SHEET  
**L-2**  
 5 OF 9  
 W.O. No. 36109012

ORIGINAL SCALE IS IN INCHES  
 Drawing name: Z:\Civil 3D Projects\97015 El Dorado\_POC\CADD Files\Sheets\Interim ADA Improvements\1-Sheets.dwg Layout Tab: L-3 Mar 08, 2022 - 3:36pm Dharrington  
 FOR REDUCED PLANS  
 REVISION



**CONSTRUCTION NOTES:**

① — UTILITY VAULTS, PROTECT IN PLACE

NOTE: APPLY HYDROSEED  
(PERMANENT EROSION CONTROL)  
TO ALL DISTURBED AREAS

**GRADING AREA - PLAN**

SCALE: 1"=5'

**GRADING AREA  
SCALE : AS SHOWN**

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



PREPARED UNDER THE SUPERVISION OF :  
  
 REGISTERED CIVIL ENGINEER  
 License Expires 12-31-23  
 DATE: 4/5/2022

DESIGNED: DWH  
 DRAWN: SGM  
 CHECKED: DWH  
 DATE: 03/03/22  
 ROAD NUMBER: -

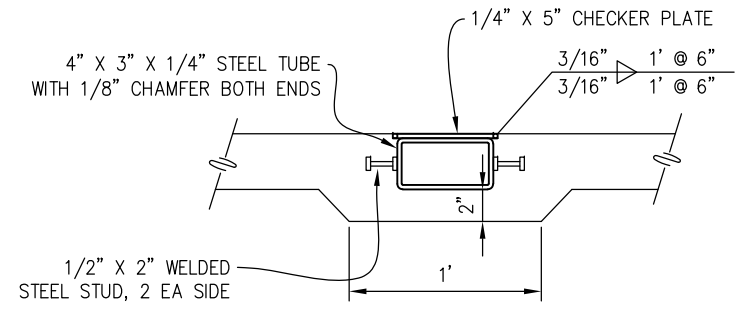


**COUNTY OF EL DORADO  
 DEPARTMENT OF TRANSPORTATION**

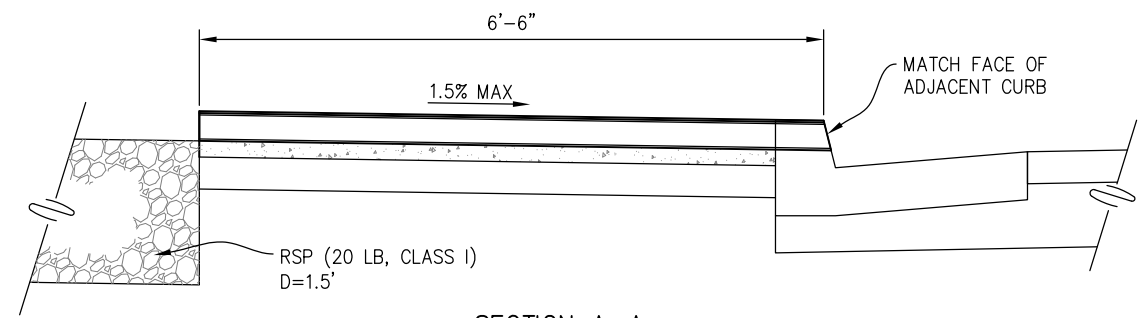
**MISSOURI FLAT ROAD PHASE 1 -  
 CLASS I TRAIL CONNECTION**

SHEET  
**L-3**  
 6 OF 9  
 W.O. No.  
**36109012**

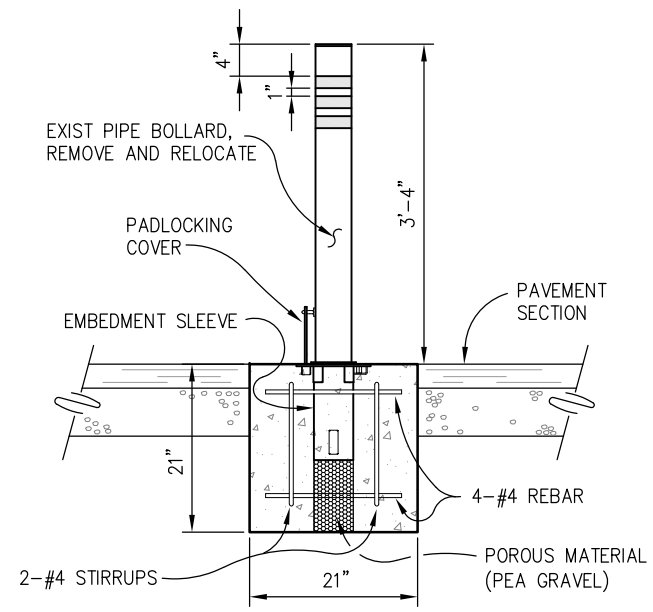
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 FOR REDUCED PLANS  
 REVISION  
 NUMBER DATE DESCRIPTION BY



SECTION B-B

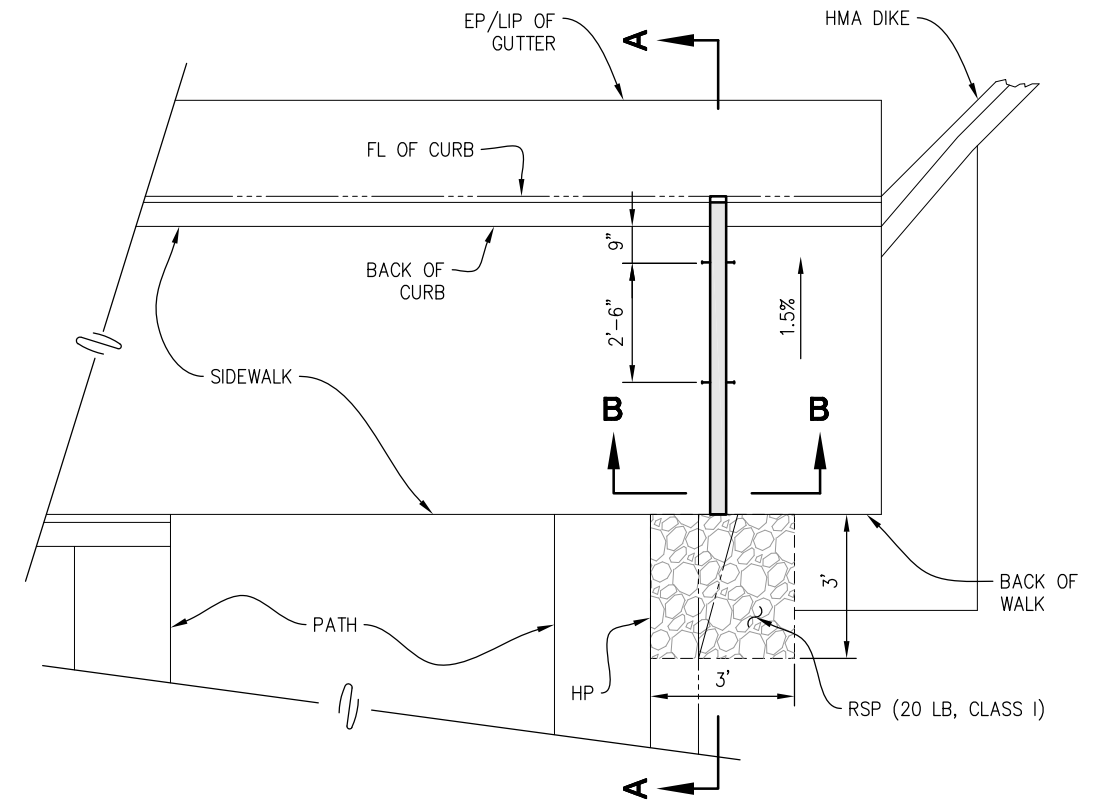


SECTION A-A



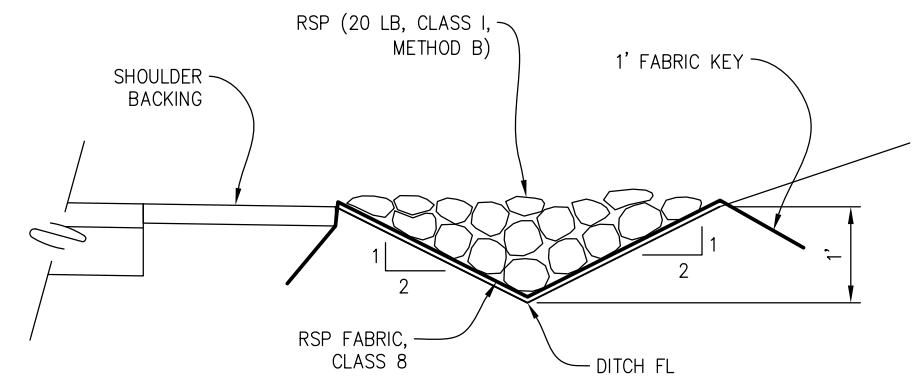
RELOCATE PIPE BOLLARD

NO SCALE



GRADED LINE DRAIN

NO SCALE



ROCK DITCH

NO SCALE

CONSTRUCTION DETAILS  
SCALE : AS SHOWN



PREPARED UNDER THE SUPERVISION OF :  
*Justin W. Harrington*  
 REGISTERED CIVIL ENGINEER  
 DATE: 4/5/2022

DESIGNED: DWH  
 DRAWN: SGM  
 CHECKED: DWH  
 DATE: 03/03/22  
 ROAD NUMBER: -

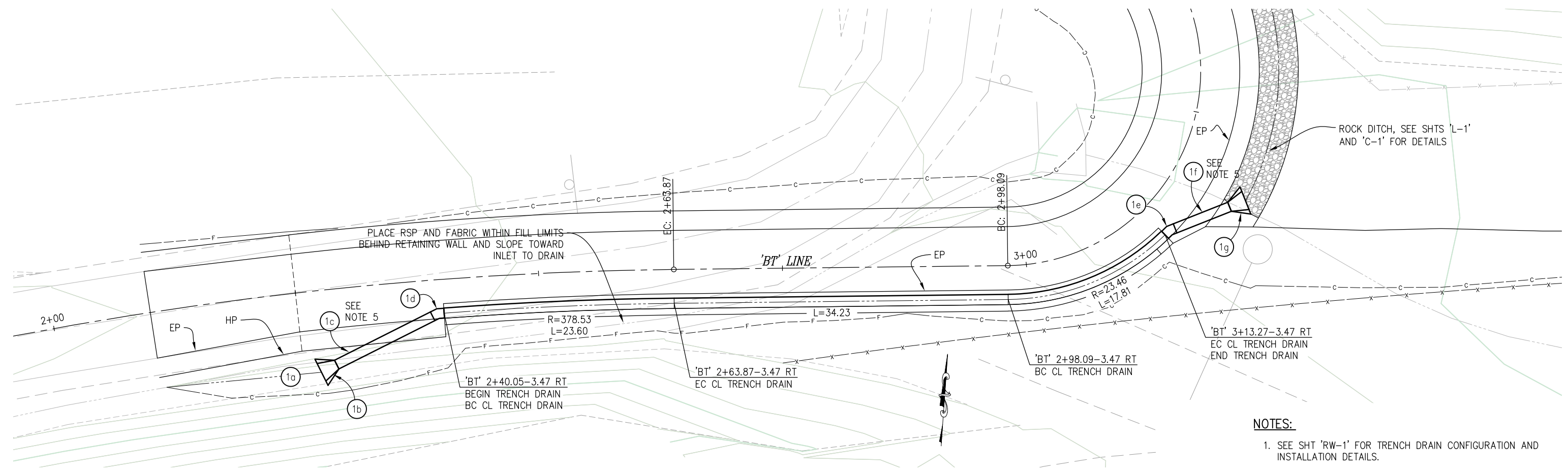


COUNTY OF EL DORADO  
 DEPARTMENT OF TRANSPORTATION

MISSOURI FLAT ROAD PHASE 1 -  
 CLASS I TRAIL CONNECTION

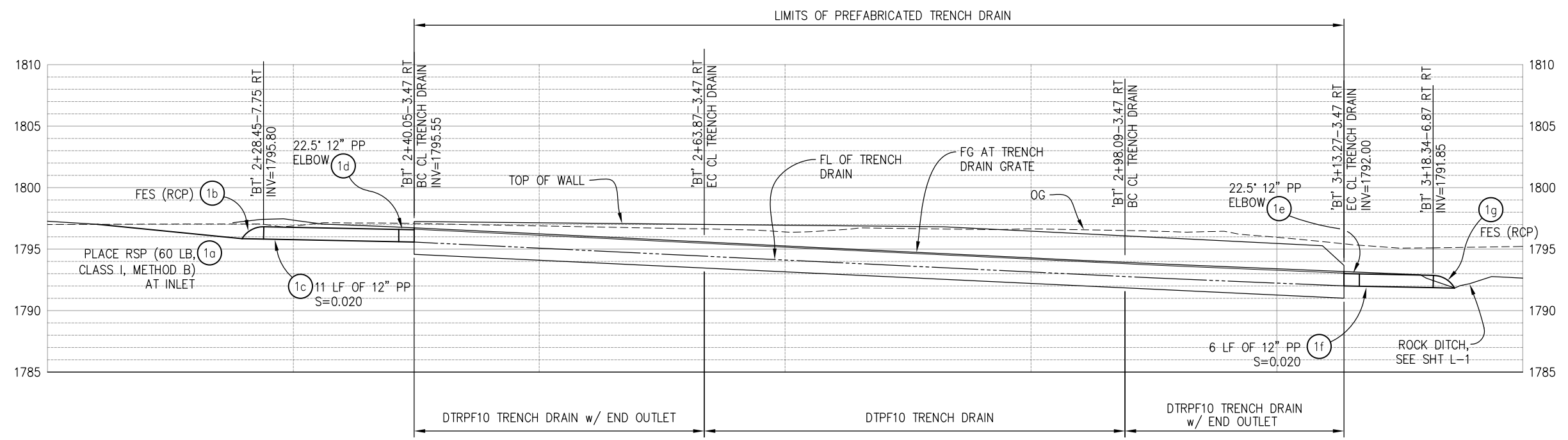
SHEET  
**C-1**  
 7 OF 9  
 W.O. No.  
**36109012**

ORIGINAL SCALE IS IN INCHES  
 Drawing name: Z:\Civil 3D Projects\97015 El Dorado\_POC\CADD Files\Sheets\Interim ADA Improvements\D-Sheets.dwg Layout Tab: D-1 Mar 08, 2022 3:38pm Dharrington  
 FOR REDUCED PLANS  
 REVISION



**SD SYSTEM 1 - PLAN**  
SCALE: 1"=5'

- NOTES:**
- SEE SHT 'RW-1' FOR TRENCH DRAIN CONFIGURATION AND INSTALLATION DETAILS.
  - RADI AND SEGMENT LENGTHS SHOWN ARE MEASURED ALONG CL OF TRENCH DRAIN.
  - PREFABRICATED TRENCH DRAIN TO BE DTPF10/DTRPF10 BY DURA TRENCH OR APPROVED EQUAL:  
 TRENCH DRAIN SYSTEM DEPTH = 14"  
 FRAME COATING = BLACK POWDER  
 LOAD RATING = HEAVY DUTY  
 NOMINAL GRATE WIDTH = 12"  
 GRATE TYPE = UNCOATED CAST IRON, ADA COMPLIANT
  - CONTRACTOR TO VERIFY ALL CONTROLLING FIELD DIMENSIONS PRIOR TO ORDERING OR FABRICATING ANY MATERIAL.
  - BACKFILL 12" PP WITH SLURRY CEMENT OR CLSM, PLACE (WET-SET) RSP (20 LB, CLASS I) OVER BACKFILL AND AROUND FES AS DIRECTED BY ENGINEER



**SD SYSTEM 1 - PROFILE**  
SCALE: 1"=5' H,V



PREPARED UNDER THE SUPERVISION OF:  
  
 REGISTERED CIVIL ENGINEER  
 DATE: 4/5/2022

DESIGNED: DWH  
 DRAWN: SGM  
 CHECKED: DWH  
 DATE: 03/03/22  
 ROAD NUMBER: -



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

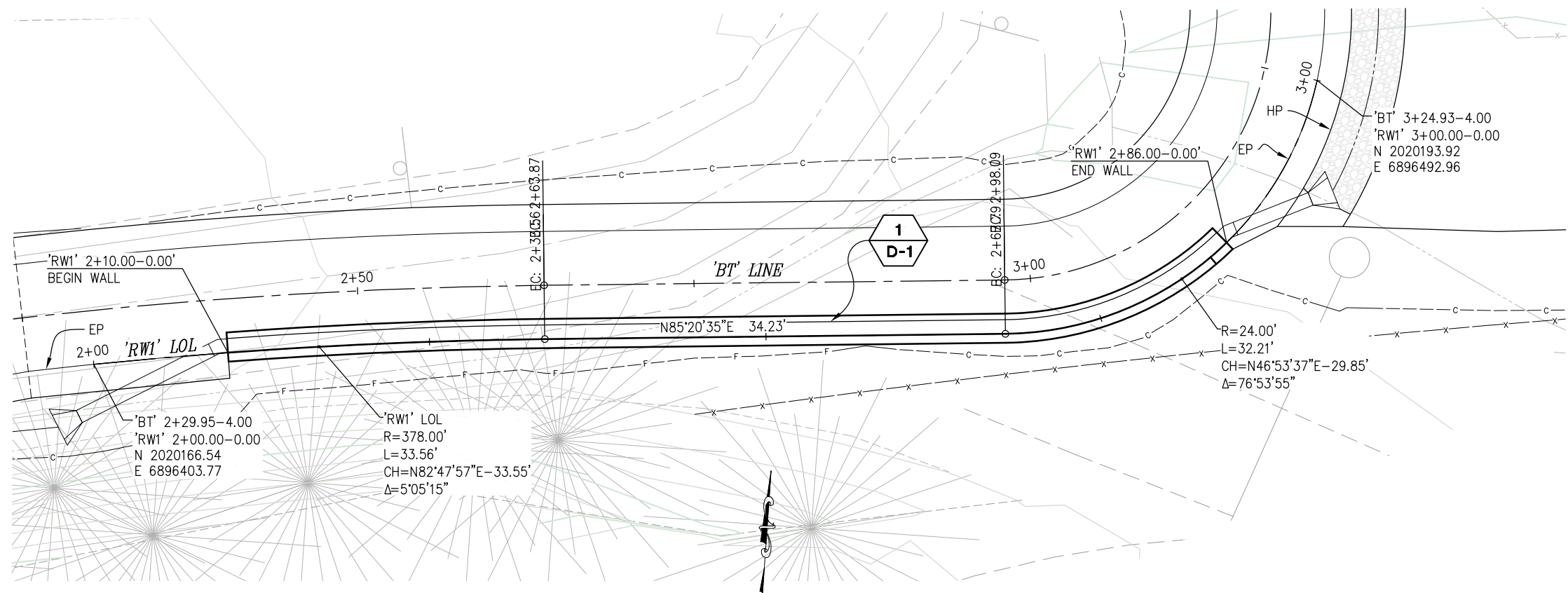
**MISSOURI FLAT ROAD PHASE 1 -**  
**CLASS I TRAIL CONNECTION**

**DRAINAGE**  
**SCALE : AS SHOWN**

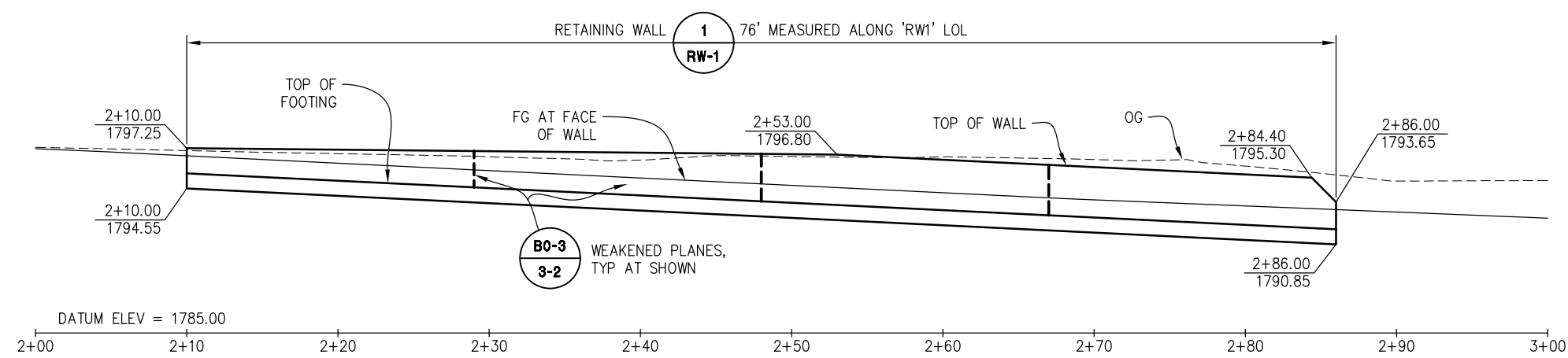
SHEET  
**D-1**  
 8 OF 9  
 W.O. No.  
**36109012**



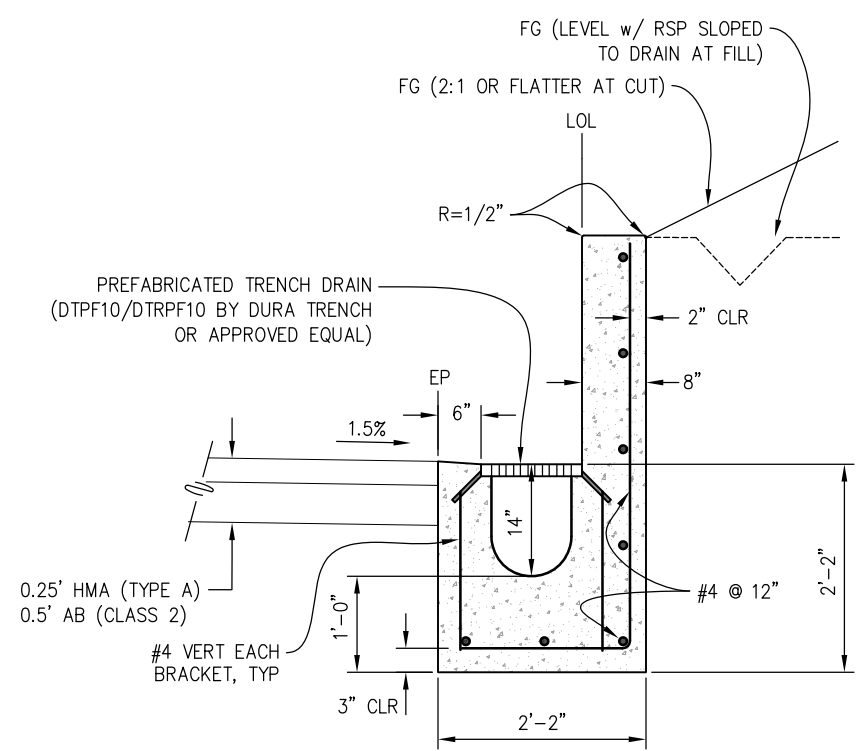
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 FOR REDUCED PLANS



**RETAINING WALL 'RW1' - PLAN**  
SCALE: 1"=5'



**RETAINING WALL 'RW1' - MIRRORED DEVELOPED ELEVATION**  
SCALE: 1"=5' H,V



**1 CONCRETE RETAINING WALL**  
NO SCALE

- NOTES:
- TRENCH DRAIN CONCRETE SURROUND TO BE POURED MONOLITHICALLY WITH RETAINING WALL CONCRETE
  - PLACE 12" PERVIOUS BACKFILL MATERIAL CONTINUOUS BEHIND RETAINING WALL

**RETAINING WALL SCALE : AS SHOWN**



PREPARED UNDER THE SUPERVISION OF :  
 [Signature]  
 REGISTERED CIVIL ENGINEER  
 4/5/2022  
 DATE:

DESIGNED: DWH  
 DRAWN: SGM  
 CHECKED: DWH  
 DATE: 03/03/22  
 ROAD NUMBER:



**COUNTY OF EL DORADO DEPARTMENT OF TRANSPORTATION**

**MISSOURI FLAT ROAD PHASE 1 - CLASS I TRAIL CONNECTION**

SHEET  
**RW-1**  
 9 OF 9  
 W.O. No.  
**36109012**