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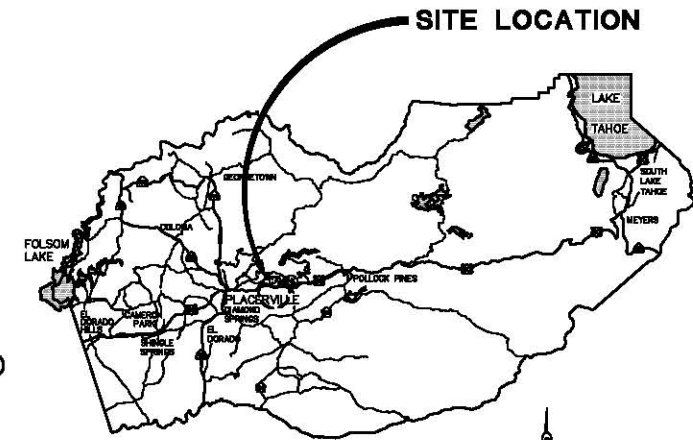
SHEET	PLAN SHEET	TITLE
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2-5	CD-1 THRU CD-4	SURVEY AND CONTROL DIAGRAM
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**COUNTY OF EL DORADO, CA
DEPARTMENT OF TRANSPORTATION**

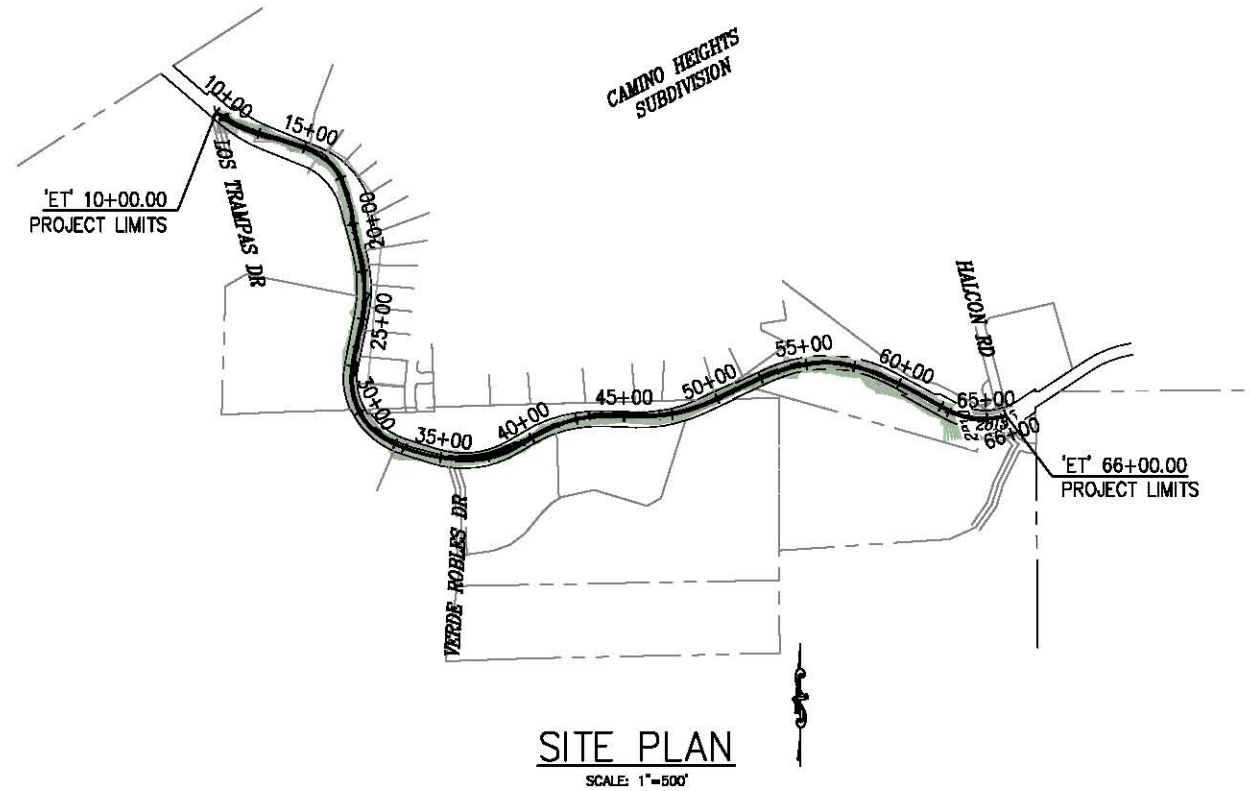
**PROJECT PLANS FOR THE CONSTRUCTION OF
EL DORADO TRAIL
LOS TRAMPAS TO HALCON**

IN THE COUNTY OF EL DORADO, DISTRICT 3
SOUTH OF US HWY 50 AT THE BASE OF THE CAMINO HEIGHTS SUBDIVISION IN THE TOWN OF CAMINO

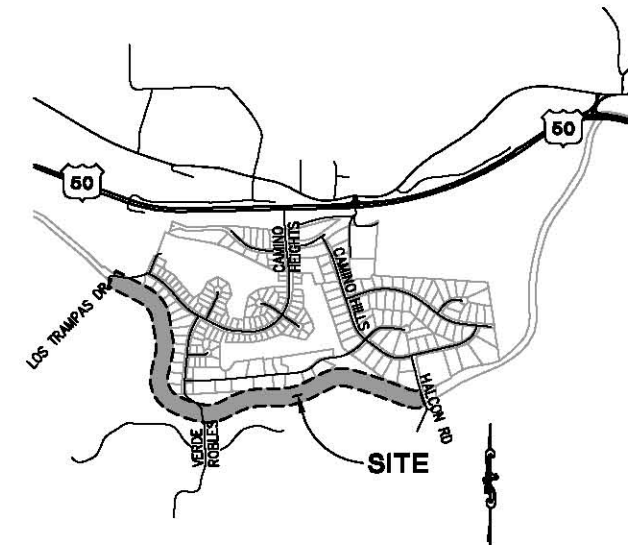
To be supplemented with Standard Plans and Specifications dated 2010, including
the 2010 Revised Standard Specifications, of the California Department of
Transportation, unless otherwise noted.



VICINITY MAP
COUNTY OF EL DORADO



SITE PLAN
SCALE: 1"=500'



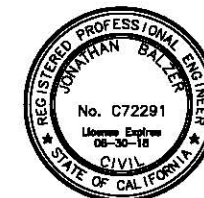
LOCATION MAP
NOT TO SCALE

FUNDING AGENCY

FEDERAL AID NUMBER: CML 5925(130)
RTP: RT-09-007

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



12/04/17
DATE
SUBMITTED BY:
CIVIL ENGINEER
STATE OF CALIFORNIA NO.

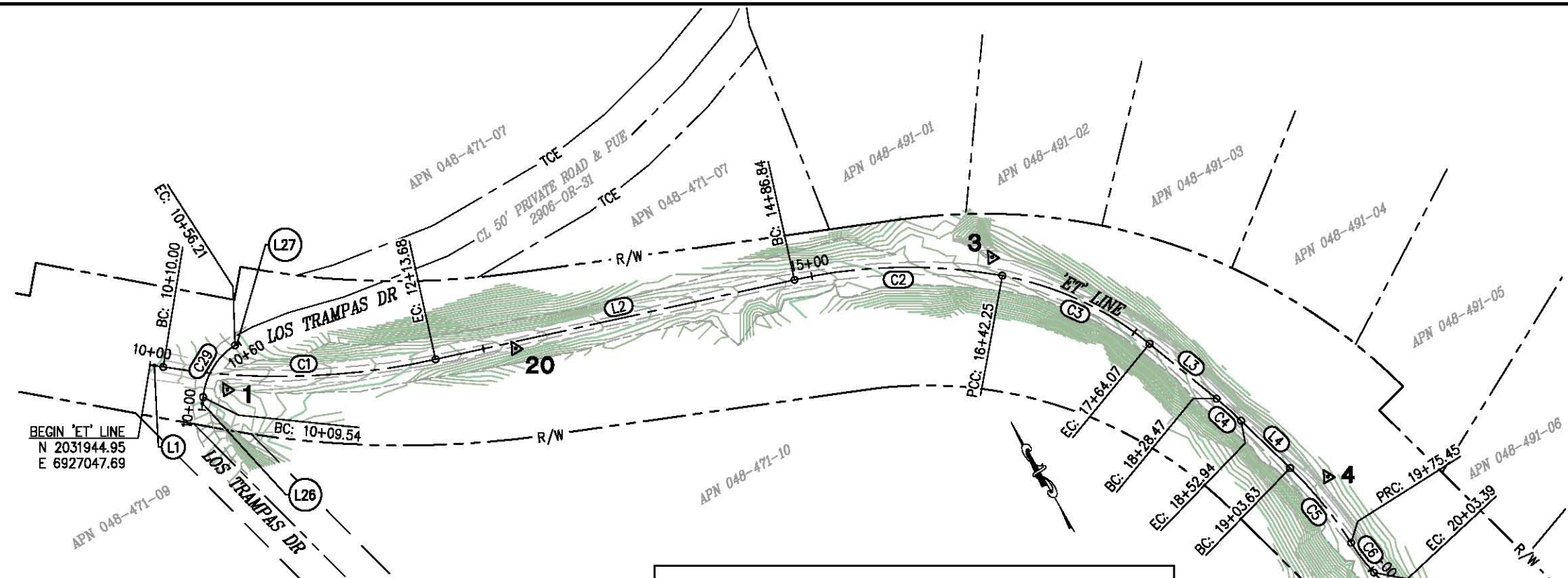
BOARD OF SUPERVISORS
I JOHN HIDAHIL
II SHIVA FRENTZEN
III BRIAN VEERKAMP
IV MICHAEL RANALLI
V SUE NOVASEL

**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**
(530) 621-5900
2850 FAIRLANE CT
PLACERVILLE, CA 95667

ADOPTED AND APPROVED BY:
MICHAEL RANALLI
CHAIR, EL DORADO COUNTY BOARD OF SUPERVISORS
APPROVED BY:
RAFAEL MARTINEZ, DIRECTOR
DEPARTMENT OF TRANSPORTATION
MATTHEW D. SWEETZER, P.E. NO. C09832
DEPUTY DIRECTOR, ENGINEERING

PW NO. 16-31117 PROJECT NO. 97012
**EL DORADO TRAIL
LOS TRAMPAS TO HALCON**
TITLE SHEET
SHEET 1 OF 37

ORIGINAL SCALE IS IN INCHES
 FOR REDUCED PLANS
 2
 1
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 Drawing name: C:\Civil 3D\Projects\97012 El Dorado Trail Los Trampas to Halcon\CADD Files\Sheets\CD Streets.dwg Layout Tab: CD-1 Feb 20, 2018 - 6:06am SMC/vey



CONTROL TABLE				
CONTROL NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	2031900.23	6927088.27	2652.08'	CP Spike
3	2031701.22	6927629.53	2668.45'	CP Spike
4	2031435.37	6927764.01	2678.23'	CP Mag
5	2030931.94	6927806.25	2689.81'	CP Spike
20	2031819.63	6927289.17	2657.39'	AUX CP

'LT' LINE				
NUMBER	LENGTH	RADIUS	LINE / CHORD DIRECTION & LENGTH	DELTA
L26	9.54'		N 35° 54' 16" E	
C29	46.67'	52.00'	N 61° 37' 02" E - 45.12'	51° 25' 32"
L27	3.79'		N 87° 19' 48" E	

'ET' LINE				
NUMBER	LENGTH	RADIUS	LINE / CHORD DIRECTION & LENGTH	DELTA
L1	10.00'		S 50° 41' 23" E	
C1	203.68'	535.00'	S 61° 35' 48" E - 202.46'	21° 48' 48"
L2	273.15'		S 72° 30' 12" E	
C2	155.41'	391.00'	S 61° 06' 59" E - 154.39'	22° 46' 25"
C3	121.82'	240.00'	S 35° 11' 17" E - 120.52'	29° 04' 59"
L3	64.39'		S 20° 38' 48" E	
C4	24.48'	301.00'	S 18° 19' 01" E - 24.47'	4° 39' 33"
L4	50.69'		S 15° 59' 15" E	
C5	71.82'	301.00'	S 9° 09' 06" E - 71.65'	13° 40' 18"
C6	27.94'	150.00'	S 7° 39' 05" E - 27.90'	10° 40' 16"
L5	82.68'		S 12° 59' 13" E	
C7	16.00'	300.00'	S 11° 27' 32" E - 16.00'	3° 03' 21"
L6	28.61'		S 9° 55' 52" E	
C8	19.38'	150.00'	S 13° 37' 55" E - 19.36'	7° 24' 07"
C9	19.38'	150.00'	S 13° 37' 55" E - 19.36'	7° 24' 07"
L7	83.26'		S 9° 55' 52" E	
C10	182.19'	612.00'	S 1° 24' 10" E - 181.51'	17° 03' 23"
L8	63.04'		S 7° 07' 31" W	
C11	44.11'	300.00'	S 11° 20' 16" W - 44.07'	8° 25' 29"
C12	17.09'	300.00'	S 13° 55' 06" W - 17.08'	3° 15' 48"
L9	146.91'		S 12° 17' 13" W	

HORIZONTAL DATUM:
 BEARINGS, DISTANCES, STATIONING, AND COORDINATES SHOWN HEREON ARE BASED ON THE CALIFORNIA STATE PLACE COORDINATE SYSTEM, NAD 83, ZONE 2, EPOCH 2010.00, US SURVEY FEET. DISTANCES SHOWN ARE GRID DISTANCES. DIVIDE DISTANCES SHOWN BY 0.999794 TO OBTAIN GROUND DISTANCES.

VERTICAL DATUM:
 ELEVATIONS SHOWN HEREON REFERENCE NAVD88.

SEE CD-2
SURVEY AND CONTROL DIAGRAM
 SCALE: 1" = 50'



PREPARED UNDER THE SUPERVISION OF:
Joseph C. Neely
 PROFESSIONAL LAND SURVEYOR
 No. LS 9026
 License Expires 09-30-19
 DATE: 12/04/17

DESIGNED: SGM
 DRAWN: SGM
 CHECKED: JCN
 DATE: 03/14/17
 ROAD NUMBER: -



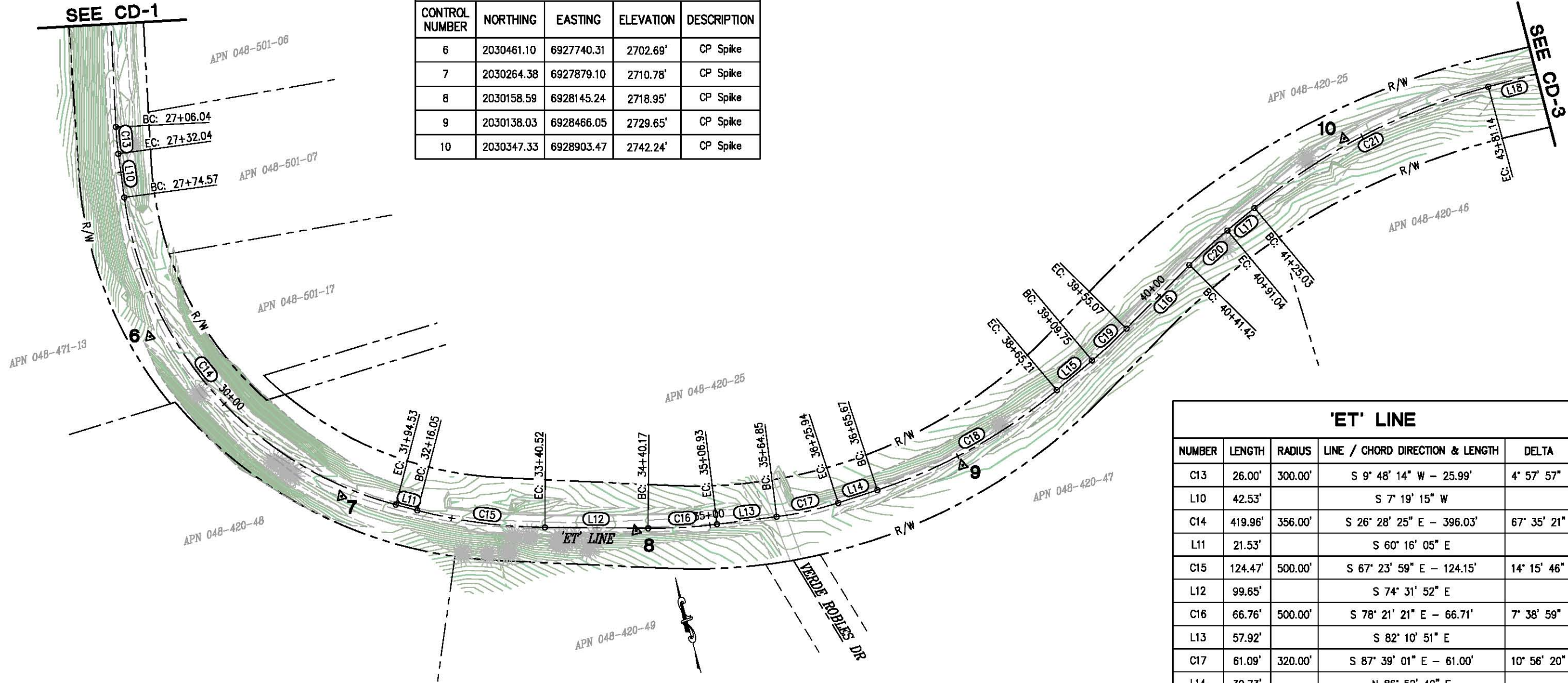
COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

EL DORADO TRAIL
LOS TRAMPAS TO HALCON

SHEET
CD-1
 2 OF 37
 W.O. No. **97012**

ORIGINAL SCALE IS IN INCHES
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 FOR REDUCED PLANS

CONTROL TABLE				
CONTROL NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
6	2030461.10	6927740.31	2702.69'	CP Spike
7	2030264.38	6927879.10	2710.78'	CP Spike
8	2030158.59	6928145.24	2718.95'	CP Spike
9	2030138.03	6928466.05	2729.65'	CP Spike
10	2030347.33	6928903.47	2742.24'	CP Spike



'ET' LINE				
NUMBER	LENGTH	RADIUS	LINE / CHORD DIRECTION & LENGTH	DELTA
C13	26.00'	300.00'	S 9° 48' 14" W - 25.99'	4° 57' 57"
L10	42.53'		S 7° 19' 15" W	
C14	419.96'	356.00'	S 26° 28' 25" E - 396.03'	67° 35' 21"
L11	21.53'		S 60° 16' 05" E	
C15	124.47'	500.00'	S 67° 23' 59" E - 124.15'	14° 15' 46"
L12	99.65'		S 74° 31' 52" E	
C16	66.76'	500.00'	S 78° 21' 21" E - 66.71'	7° 38' 59"
L13	57.92'		S 82° 10' 51" E	
C17	61.09'	320.00'	S 87° 39' 01" E - 61.00'	10° 56' 20"
L14	39.73'		N 86° 52' 49" E	
C18	199.54'	520.00'	N 75° 53' 14" E - 198.32'	21° 59' 10"
L15	44.54'		N 64° 53' 38" E	
C19	45.32'	500.00'	N 62° 17' 50" E - 45.31'	5° 11' 37"
L16	86.35'		N 59° 42' 02" E	
C20	49.62'	500.00'	N 62° 32' 37" E - 49.60'	5° 41' 10"
L17	33.99'		N 65° 23' 12" E	
C21	256.11'	600.00'	N 77° 36' 54" E - 254.17'	24° 27' 25"
L18	234.73'		N 89° 50' 37" E	

SURVEY AND CONTROL DIAGRAM
SCALE : 1" = 50'



PREPARED UNDER THE SUPERVISION OF:
Joseph C. Neely
 PROFESSIONAL LAND SURVEYOR
 DATE: 12/04/17

DESIGNED: SGM
 DRAWN: SGM
 CHECKED: JCN
 DATE: 03/14/17
 ROAD NUMBER: -



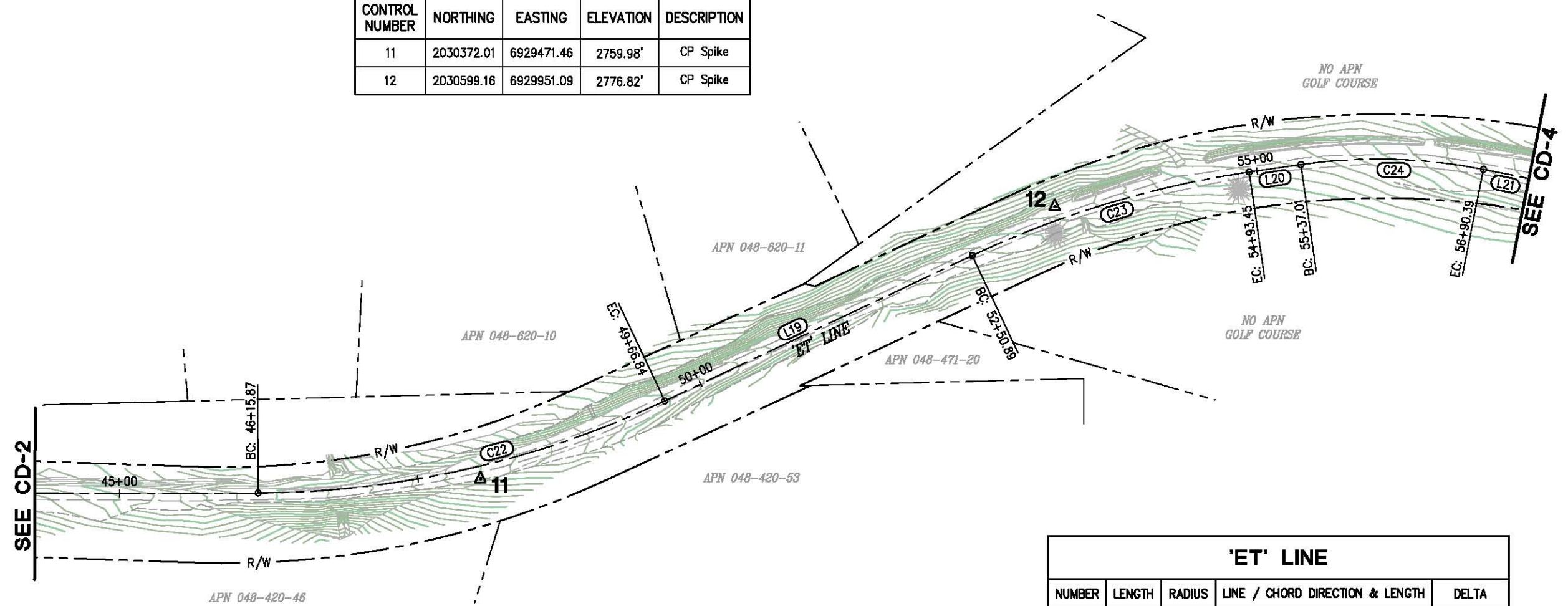
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DEPARTMENT OF TRANSPORTATION

EL DORADO TRAIL
LOS TRAMPAS TO HALCON

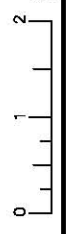
SHEET
CD-2
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 W.O. No. **97012**

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CONTROL TABLE				
CONTROL NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
11	2030372.01	6929471.46	2759.98'	CP Spike
12	2030599.16	6929951.09	2776.82'	CP Spike



'ET' LINE				
NUMBER	LENGTH	RADIUS	LINE / CHORD DIRECTION & LENGTH	DELTA
C22	350.97'	800.00'	N 77° 16' 32" E - 348.16'	25° 08' 11"
L19	284.05'		N 64° 42' 26" E	
C23	242.56'	815.00'	N 73° 14' 00" E - 241.66'	17° 03' 08"
L20	43.56'		N 81° 45' 34" E	
C24	153.38'	450.00'	S 88° 28' 34" E - 152.64'	19° 31' 44"
L21	68.61'		S 78° 42' 42" E	



SURVEY AND CONTROL DIAGRAM
SCALE : 1" = 50'



PREPARED UNDER THE SUPERVISION OF:
Joseph C. Neely
 PROFESSIONAL LAND SURVEYOR
 DATE: 12/04/17

DESIGNED: SGM
 DRAWN: SGM
 CHECKED: JCN
 DATE: 03/14/17
 ROAD NUMBER: -



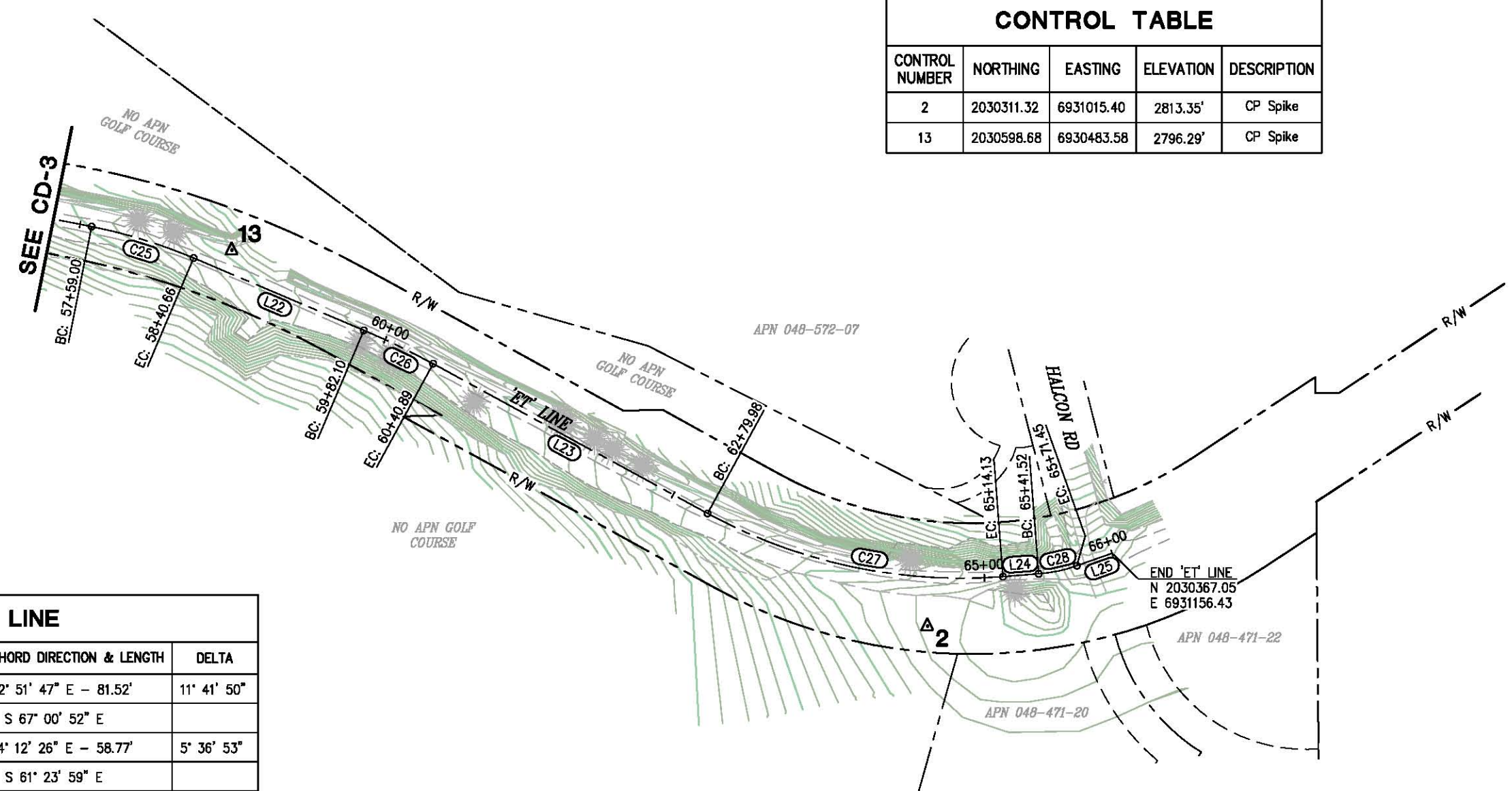
COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

EL DORADO TRAIL
LOS TRAMPAS TO HALCON

SHEET
CD-3
 4 OF 37
 W.O. No. **97012**

REVISION	NUMBER	DATE	DESCRIPTION	BY

ORIGINAL SCALE IS IN INCHES
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CONTROL TABLE				
CONTROL NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
2	2030311.32	6931015.40	2813.35'	CP Spike
13	2030598.68	6930483.58	2796.29'	CP Spike

'ET' LINE				
NUMBER	LENGTH	RADIUS	LINE / CHORD DIRECTION & LENGTH	DELTA
C25	81.66'	400.00'	S 72° 51' 47" E - 81.52'	11° 41' 50"
L22	141.43'		S 67° 00' 52" E	
C26	58.80'	600.00'	S 64° 12' 26" E - 58.77'	5° 36' 53"
L23	239.08'		S 61° 23' 59" E	
C27	234.15'	406.00'	S 77° 55' 18" E - 230.92'	33° 02' 37"
L24	27.39'		N 85° 33' 21" E	
C28	29.93'	113.00'	N 77° 58' 04" E - 29.84'	15° 10' 35"
L25	28.55'		N 70° 22' 47" E	

END 'ET' LINE
 N 2030367.05
 E 6931156.43

SURVEY AND CONTROL DIAGRAM
 SCALE : 1" = 50'



PREPARED UNDER THE SUPERVISION OF:
Joseph C. Neely
 PROFESSIONAL LAND SURVEYOR
 DATE: 12/04/17

DESIGNED: SGM
 DRAWN: SGM
 CHECKED: JCN
 DATE: 03/14/17
 ROAD NUMBER: -

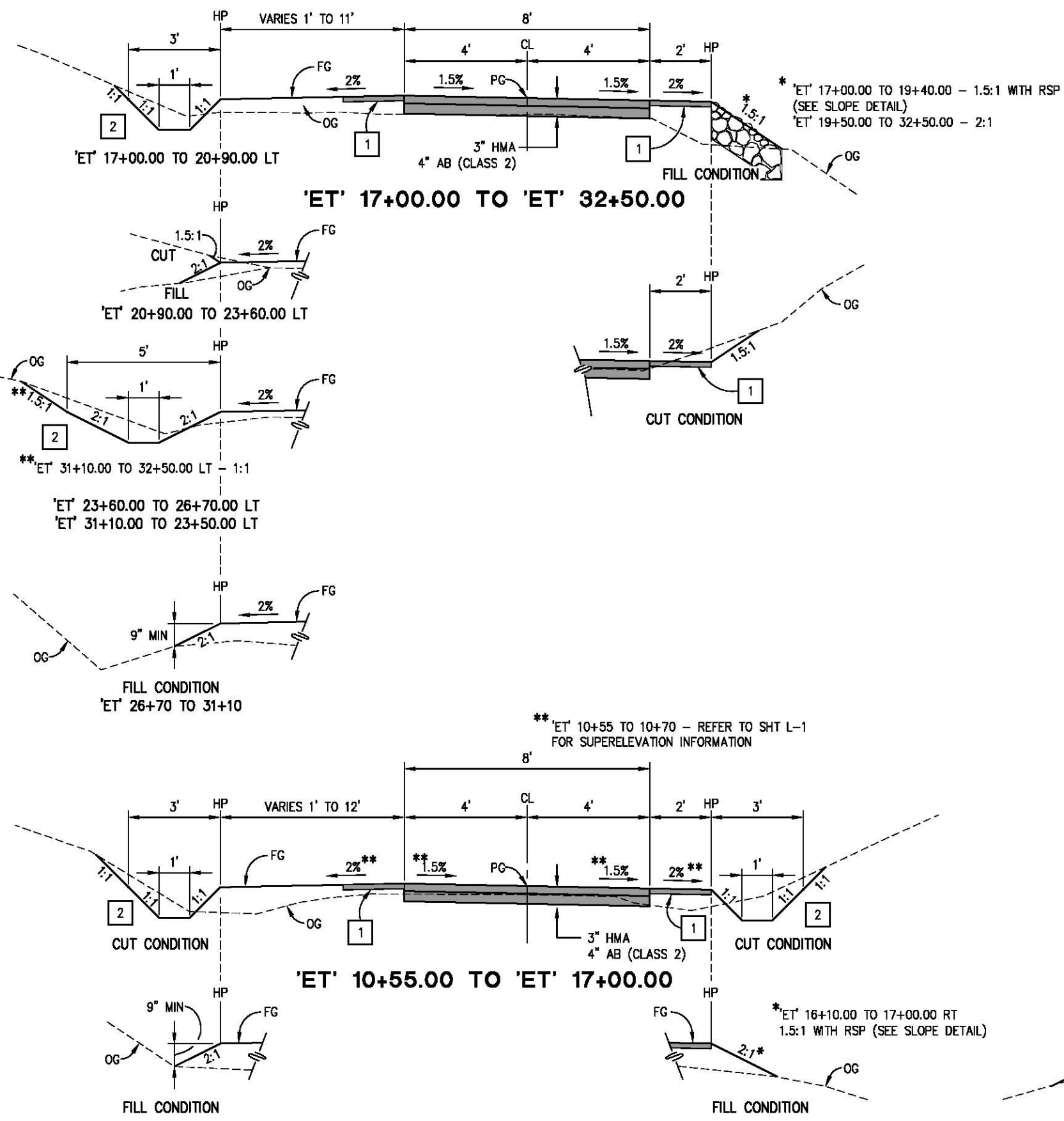


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

EL DORADO TRAIL
LOS TRAMPAS TO HALCON

SHEET
CD-4
 5 OF 37
 W.O. No. 97012

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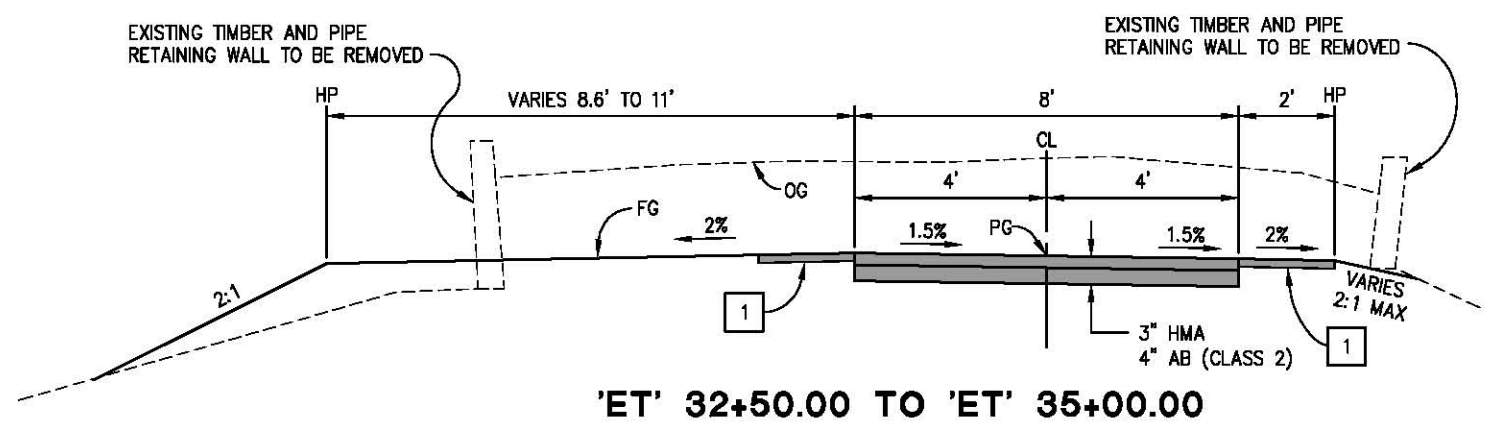
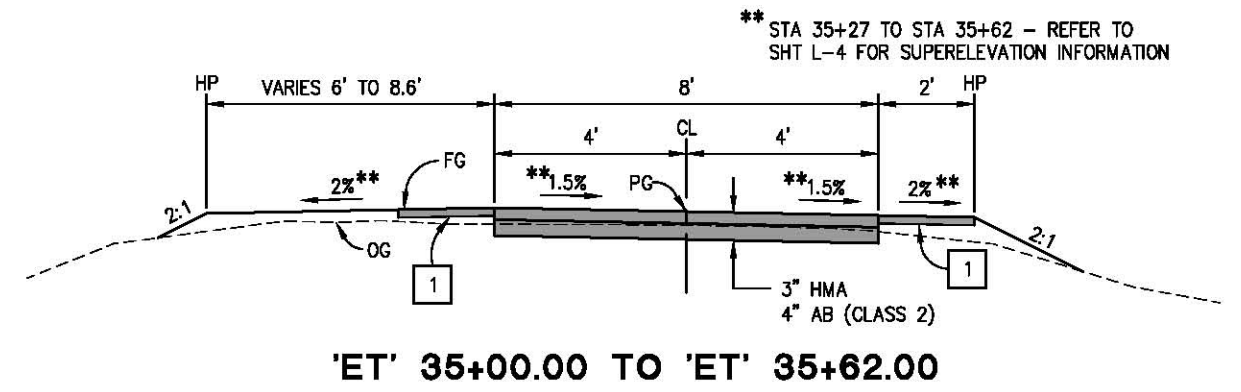
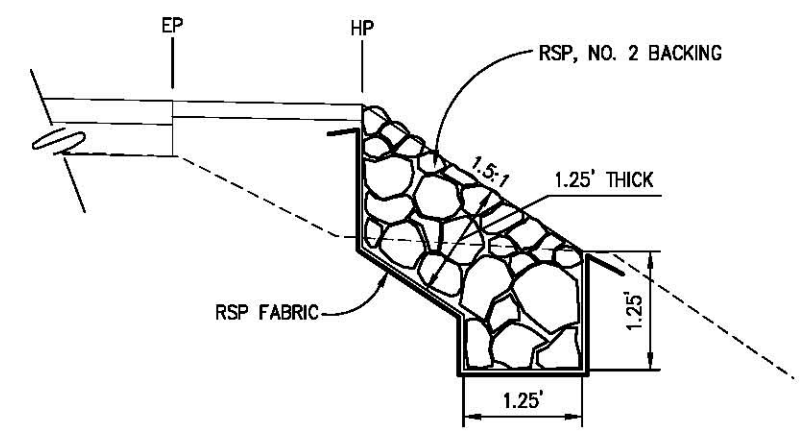


CONSTRUCTION NOTES:

- 1 - 2" SHOULDER BACKING, AB (CLASS 2)
2' WIDE FROM EP UNLESS OTHERWISE NOTED
- 2 - DITCH TREATMENTS, SEE SHT D-12

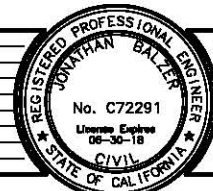
GENERAL NOTES:

- 1. HYDROSEED ALL DISTURBED AREAS. INSTALL ROLLED EROSION CONTROL PRODUCT (BLANKET) ON ALL SLOPES GREATER THAN 2:1 OR AS DIRECTED BY THE ENGINEER AND/OR QSD. SEE HYDROSEED APPLICATION TABLE, SHT X-2



**TYPICAL SECTIONS
SCALE : NONE**

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
 REGISTERED CIVIL ENGINEER
 DATE: 12/04/17

DESIGNED: JB
 DRAWN: SGM
 CHECKED: JB
 DATE: 03/14/17
 ROAD NUMBER: -



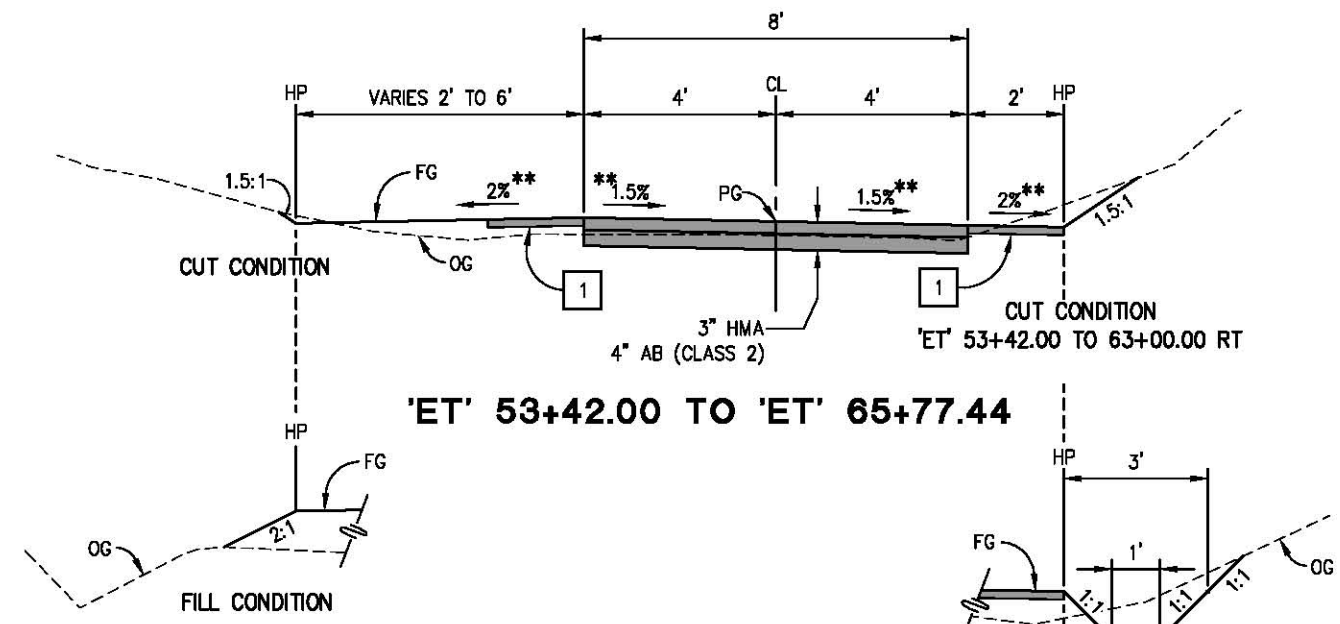
**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

**EL DORADO TRAIL
LOS TRAMPAS TO HALCON**

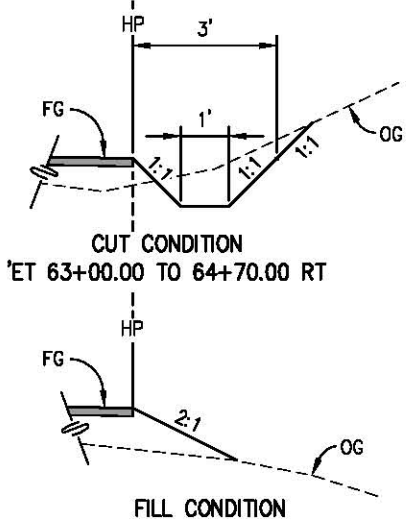
SHEET
X-1
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 W.O. No. 97012

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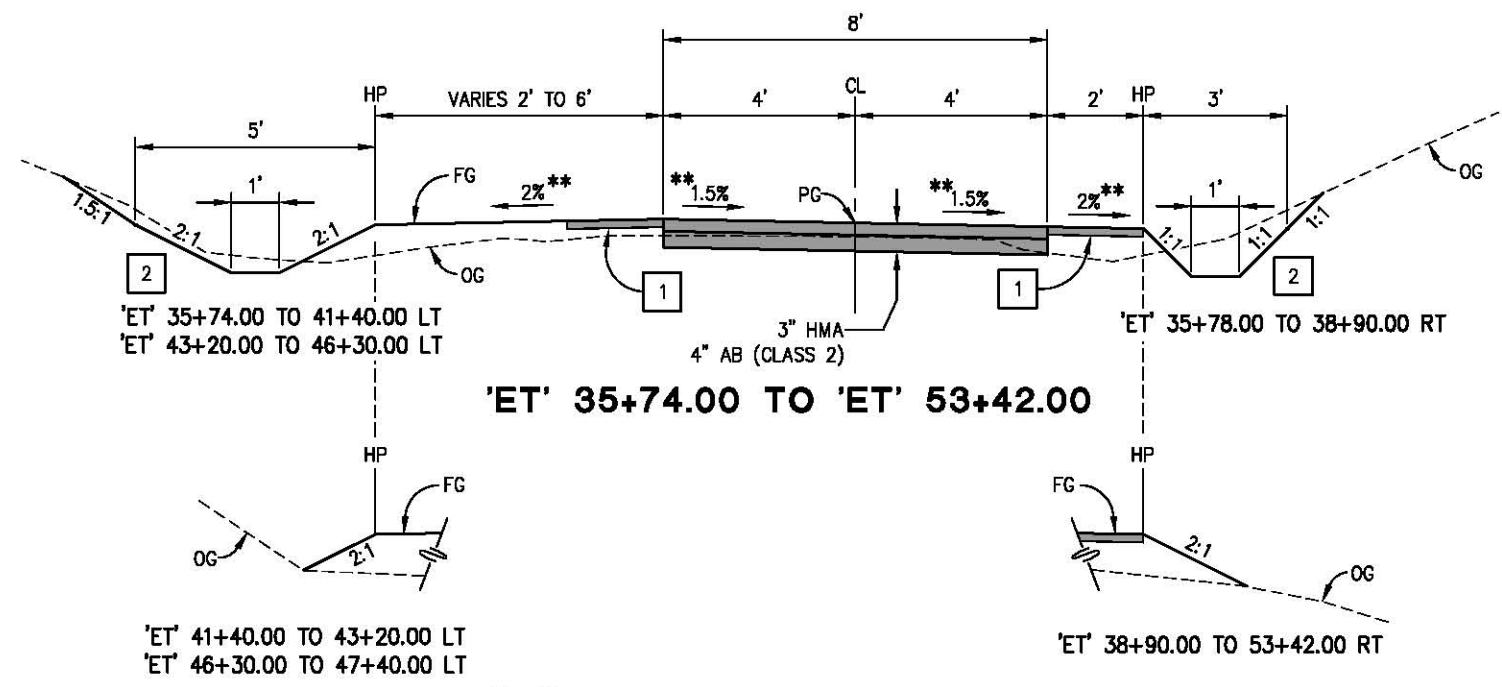
** STA 65+41 TO STA 65+77.44 - REFER TO SHT L-9 FOR SUPERELEVATION INFORMATION



'ET' 53+42.00 TO 'ET' 65+77.44



** STA 35+74 TO STA 36+09 - REFER TO SHT L-4 FOR SUPERELEVATION INFORMATION



'ET' 35+74.00 TO 'ET' 53+42.00

CONSTRUCTION NOTES:

- 1 - 2" SHOULDER BACKING AB (CLASS 2), 2' WIDE FROM EP UNLESS OTHERWISE NOTED
- 2 - DITCH TREATMENTS, SEE SHT D-12

GENERAL NOTES:

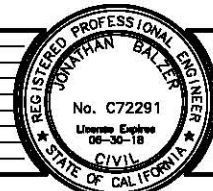
- 1. HYDROSEED ALL DISTURBED AREAS. INSTALL ROLLED EROSION CONTROL PRODUCT (BLANKET) ON ALL SLOPES GREATER THAN 2:1 OR AS DIRECTED BY THE ENGINEER AND/OR QSD. SEE HYDROSEED APPLICATION TABLE BELOW.

SEQUENCE	ITEM	MATERIAL DESCRIPTION	APPLICATION RATE
STEP 1	HYDROSEED	SEED	42 LB/ACRE
		FIBER	500 LB/ACRE
		ORGANIC FERTILIZER	500 LB/ACRE
STEP 2	STRAW	STRAW	4,000 LB/ACRE
STEP 3	HYDROMULCH	FIBER	500 LB/ACRE
		TACKIFIER	120 LB/ACRE

BEGIN STATION	END STATION	LENGTH (LF)
'ET' 15+78 LT	'ET' 16+73 LT	115
'ET' 17+02 LT	'ET' 19+94 LT	315
'ET' 20+32 RT	'ET' 21+32 RT	110
'ET' 20+34 LT	'ET' 21+61 LT	140
'ET' 40+90 RT	'ET' 42+72 RT	200
'ET' 40+95 LT	'ET' 43+43 LT	270
'ET' 52+88 RT	'ET' 54+11 RT	155
'ET' 54+12 LT	'ET' 63+73 LT	970
TOTAL		2275

NOTE: ACTUAL DETAILS WILL BE BASED UPON FIELD CONDITIONS

TYPICAL SECTIONS
SCALE : NONE



PREPARED UNDER THE SUPERVISION OF:
 REGISTERED CIVIL ENGINEER
 DATE: 12/04/17

DESIGNED: JB
 DRAWN: SGM
 CHECKED: JB
 DATE: 03/14/17
 ROAD NUMBER: -



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

EL DORADO TRAIL
LOS TRAMPAS TO HALCON

SHEET
X-2
7 OF 37
W.O. No. 97012



REVISION	
NUMBER	DATE

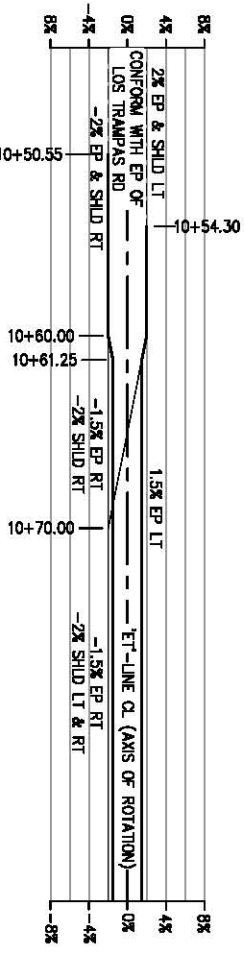
DESIGNED BY	JE	DATE	12/04/17
CHECKED BY	JE	DATE	11/15/17
DRAWN BY	SOA	DATE	



REGISTERED PROFESSIONAL ENGINEER
 COUNTY OF EL DORADO
 DEPARTMENT OF TRANSPORTATION

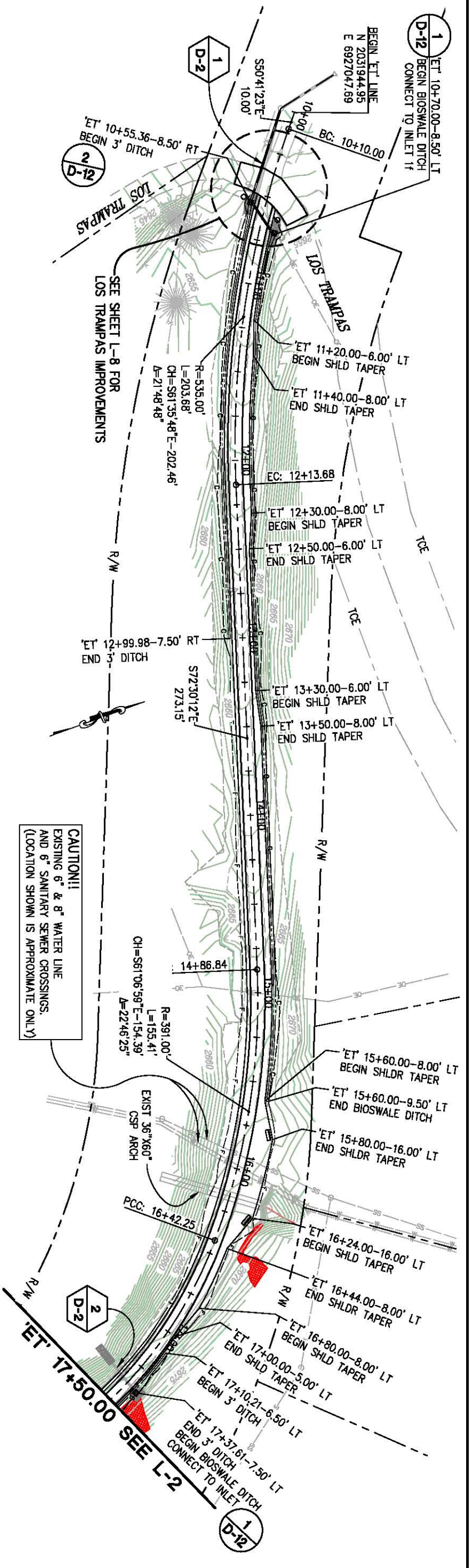
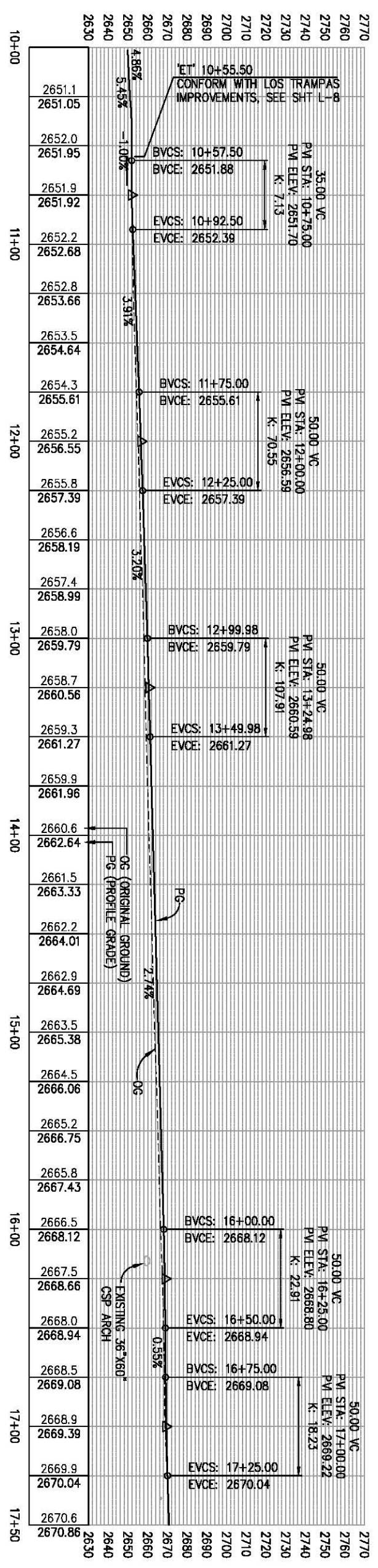
EL DORADO TRAIL
 LOS TRAMPAS TO HALCON
 SHEET L-1
 8 OF 37
 W.O. No. 97012

SUPERELEVATION TRANSITION AT LOS TRAMPAS DR

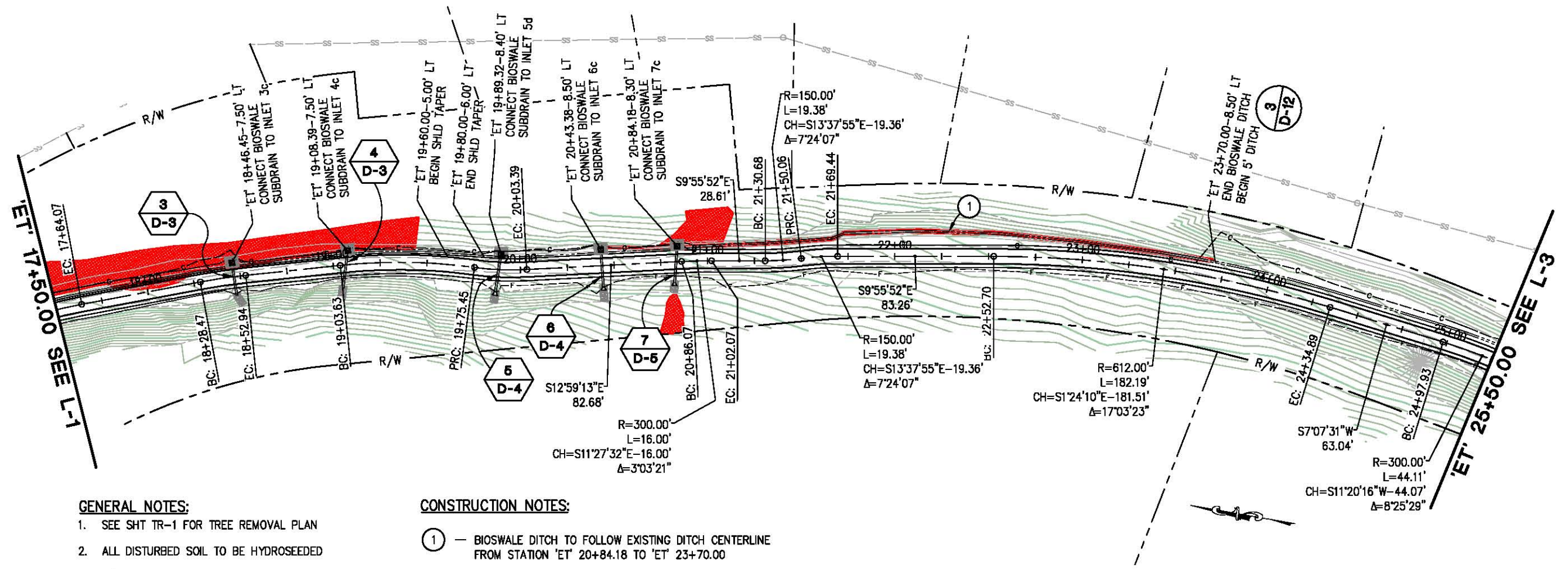


- GENERAL NOTES:**
- SEE SHT TR-1 FOR TREE REMOVAL PLAN
 - ALL DISTURBED SOIL TO BE HYDROSEED
 - INSTALL ORANGE SILT FENCE PER TABLE ON SHEET X-2
- LEGEND:**
 DELINEATED WETLANDS

SCALE : 1" = 30' H,V



ORIGINAL SCALE IS IN INCHES
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GENERAL NOTES:

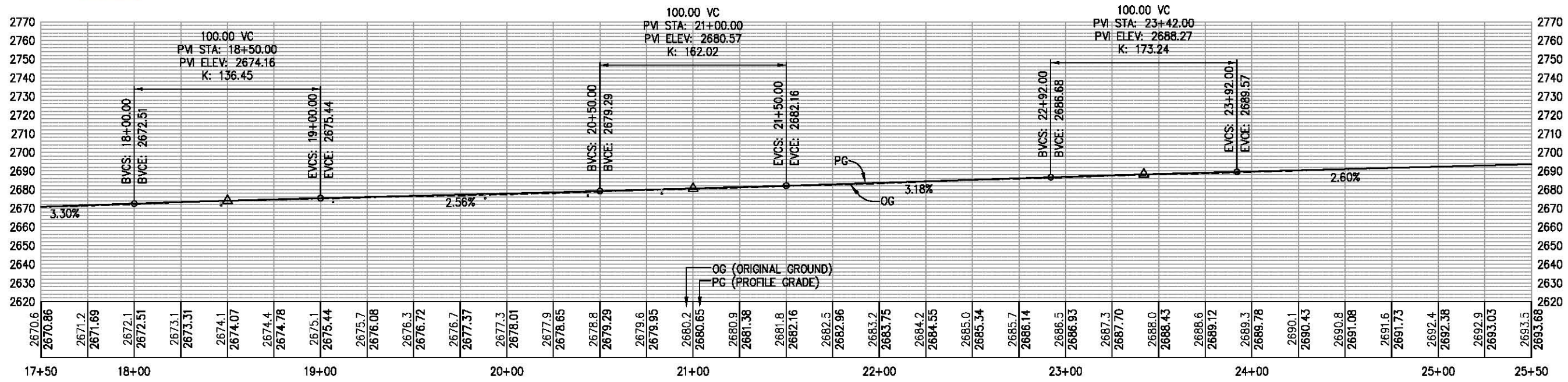
1. SEE SHT TR-1 FOR TREE REMOVAL PLAN
2. ALL DISTURBED SOIL TO BE HYDROSEEDED
3. INSTALL ORANGE SILT FENCE PER TABLE ON SHEET X-2

CONSTRUCTION NOTES:

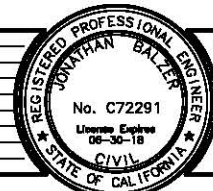
- ① — BIOSWALE DITCH TO FOLLOW EXISTING DITCH CENTERLINE FROM STATION 'ET' 20+84.18 TO 'ET' 23+70.00

LEGEND:

— DELINEATED WETLANDS



FOR REDUCED PLANS



PREPARED UNDER THE SUPERVISION OF:
 [Signature]
 REGISTERED CIVIL ENGINEER
 DATE: 12/04/17

DESIGNED: JB
 DRAWN: SGM
 CHECKED: JB
 DATE: 11/15/17
 ROAD NUMBER: -



**COUNTY OF EL DORADO
 DEPARTMENT OF TRANSPORTATION**

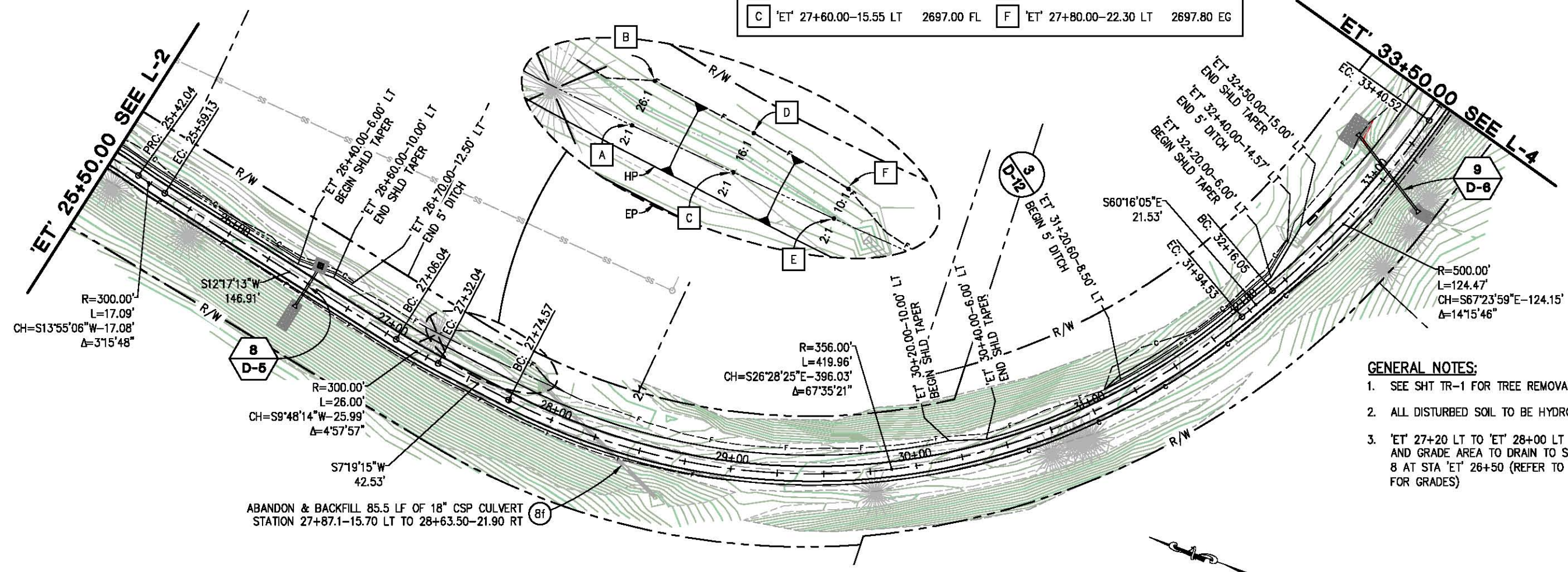
**EL DORADO TRAIL
 LOS TRAMPAS TO HALCON**

**LAYOUT
 SCALE : 1" = 30' H,V**

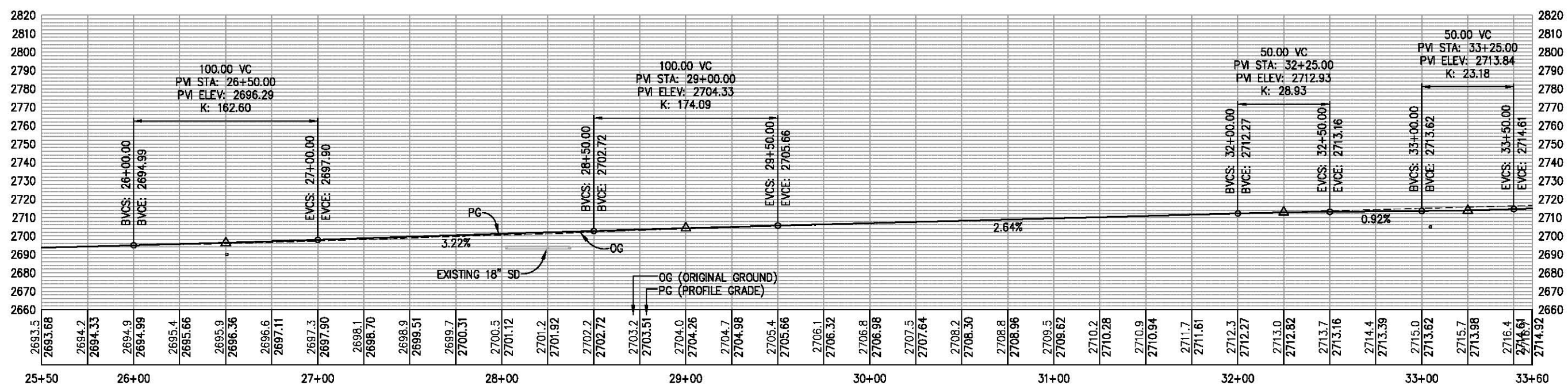
SHEET
L-2
 9 OF 37
 W.O. No. **97012**

ORIGINAL SCALE IS IN INCHES
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A	'ET' 27+40.00-14.65 LT	2696.80 FL	D	'ET' 27+60.00-23.45 LT	2697.50 EG
B	'ET' 27+40.00-23.65 LT	2697.14 EG	E	'ET' 27+80.00-16.40 LT	2697.20 FL
C	'ET' 27+60.00-15.55 LT	2697.00 FL	F	'ET' 27+80.00-22.30 LT	2697.80 EG



- GENERAL NOTES:**
- SEE SHT TR-1 FOR TREE REMOVAL PLAN
 - ALL DISTURBED SOIL TO BE HYDROSEEDED
 - 'ET' 27+20 LT TO 'ET' 28+00 LT BACKFILL AND GRADE AREA TO DRAIN TO SD SYSTEM 8 AT STA 'ET' 26+50 (REFER TO TABLE FOR GRADES)



FOR REDUCED PLANS

REVISION	NUMBER	DATE	DESCRIPTION	BY

REGISTERED PROFESSIONAL ENGINEER
 JONATHAN BALDER
 No. C72291
 License Expires 06-30-18
 CIVIL
 STATE OF CALIFORNIA

PREPARED UNDER THE SUPERVISION OF:

 REGISTERED CIVIL ENGINEER
 DATE: 12/04/17

DESIGNED: JB	DRAWN: SGM
CHECKED: JB	DATE: 03/14/17
ROAD NUMBER: -	



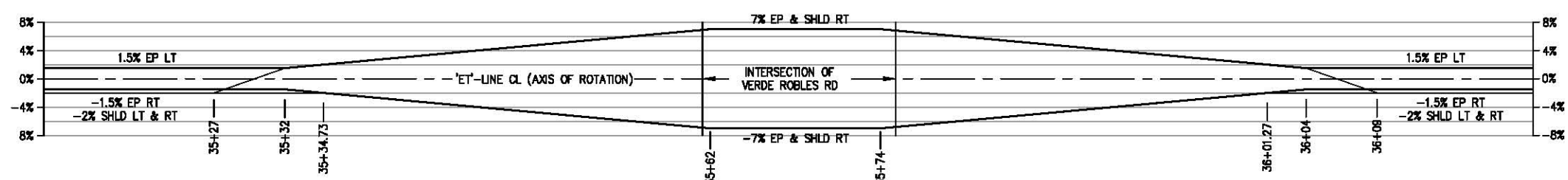
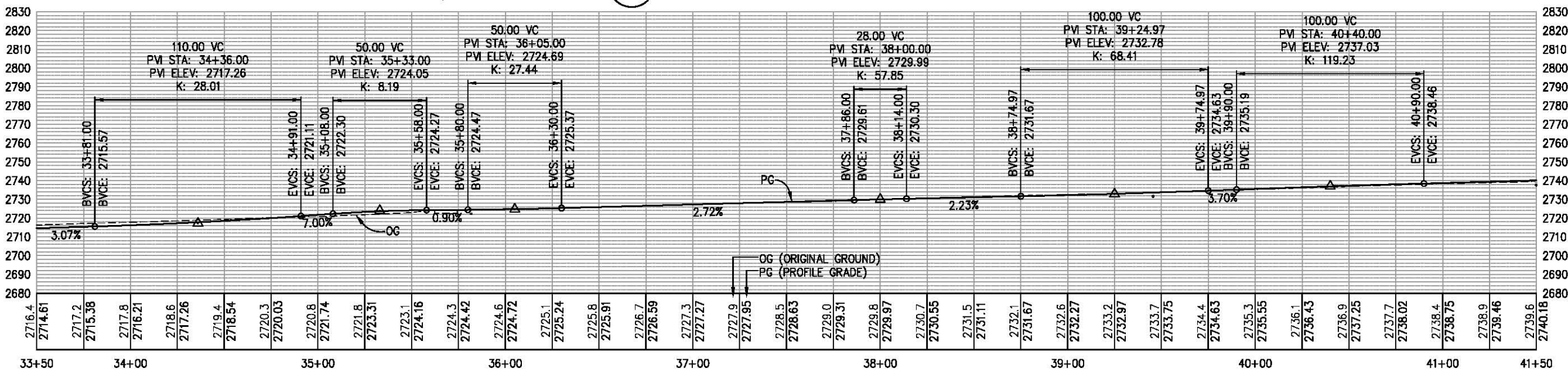
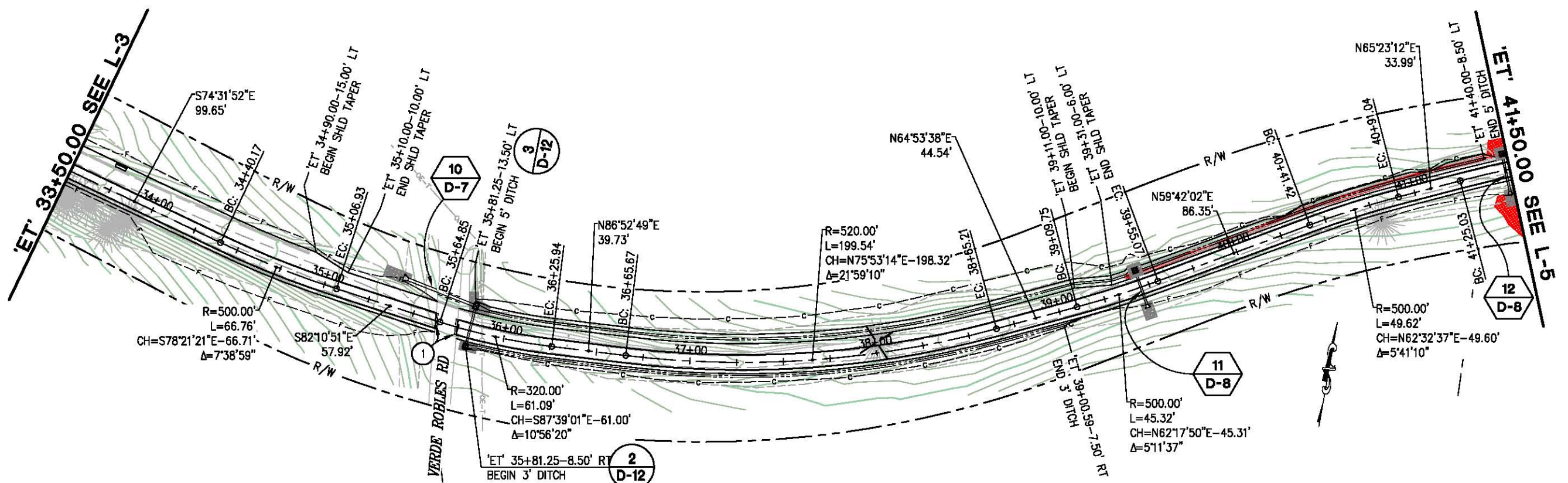
COUNTY OF EL DORADO
 DEPARTMENT OF TRANSPORTATION

EL DORADO TRAIL
 LOS TRAMPAS TO HALCON

LAYOUT
 SCALE : 1" = 30' H,V

SHEET	L-3
10 OF 37	
W.O. No.	97012

ORIGINAL SCALE IS IN INCHES
 Drawing name: C:\Civil 3D\Projects\97012 El Dorado Trail Los Trampas to Halcon\CADD\Files\Sheets\L Sheets.dwg
 Layout Tab: L-4 Feb 20, 2018 - 6:13am Shickley
 FOR REDUCED PLANS
 2
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**SUPERELEVATION TRANSITION
AT VERDE ROBLES RD**

NTS

CONSTRUCTION NOTES:

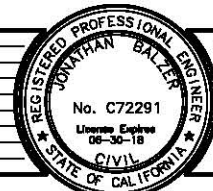
- ① CONFORM TO EXISTING, SAWCUT TO A CLEAN UNIFORM LINE AND REPLACE EXISTING ASPHALT AS NEEDED AND DIRECTED BY ENGINEER

GENERAL NOTES:

1. SEE SHT TR-1 FOR TREE REMOVAL PLAN
2. ALL DISTURBED SOIL TO BE HYDROSEEDED
3. INSTALL ORANGE SILT FENCE PER TABLE ON SHEET X-2

LEGEND:

- DELINEATED WETLANDS
- LAYOUT
SCALE : 1" = 30' H,V**



PREPARED UNDER THE SUPERVISION OF:

 REGISTERED CIVIL ENGINEER
 DATE: 12/04/17

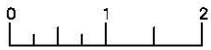
DESIGNED: JOB SGM
 DRAWN: SGM
 CHECKED: DATE: 03/14/17
 ROAD NUMBER:



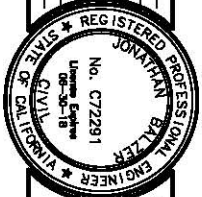
**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

**EL DORADO TRAIL
LOS TRAMPAS TO HALCON**

SHEET
L-4
 11 OF 37
 W.O. No. **97012**



REVISION NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
 REGISTERED CIVIL ENGINEER
 DATE: 12/04/17

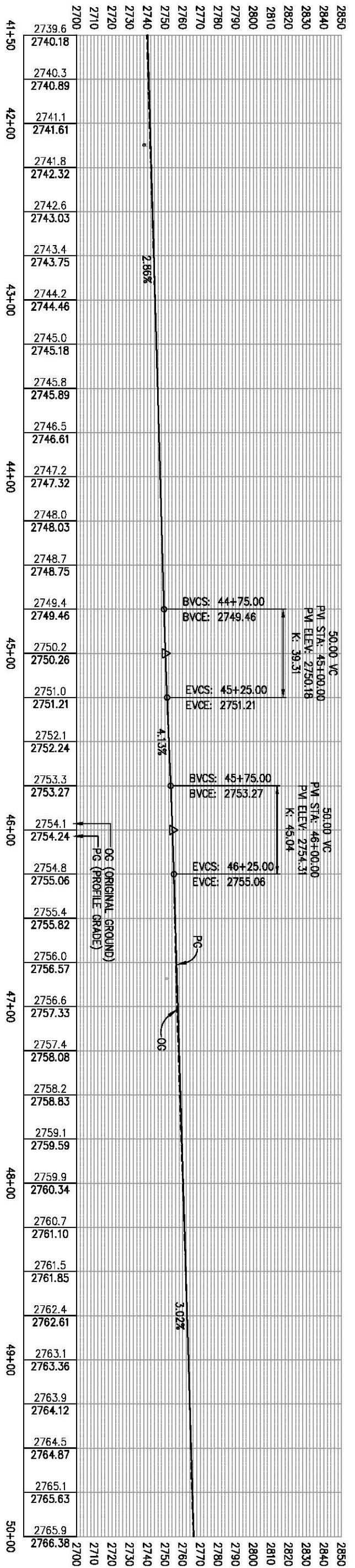
DESIGNED	CHECKED	DATE
JB	JB	03/14/17



COUNTY OF EL DORADO
 DEPARTMENT OF TRANSPORTATION

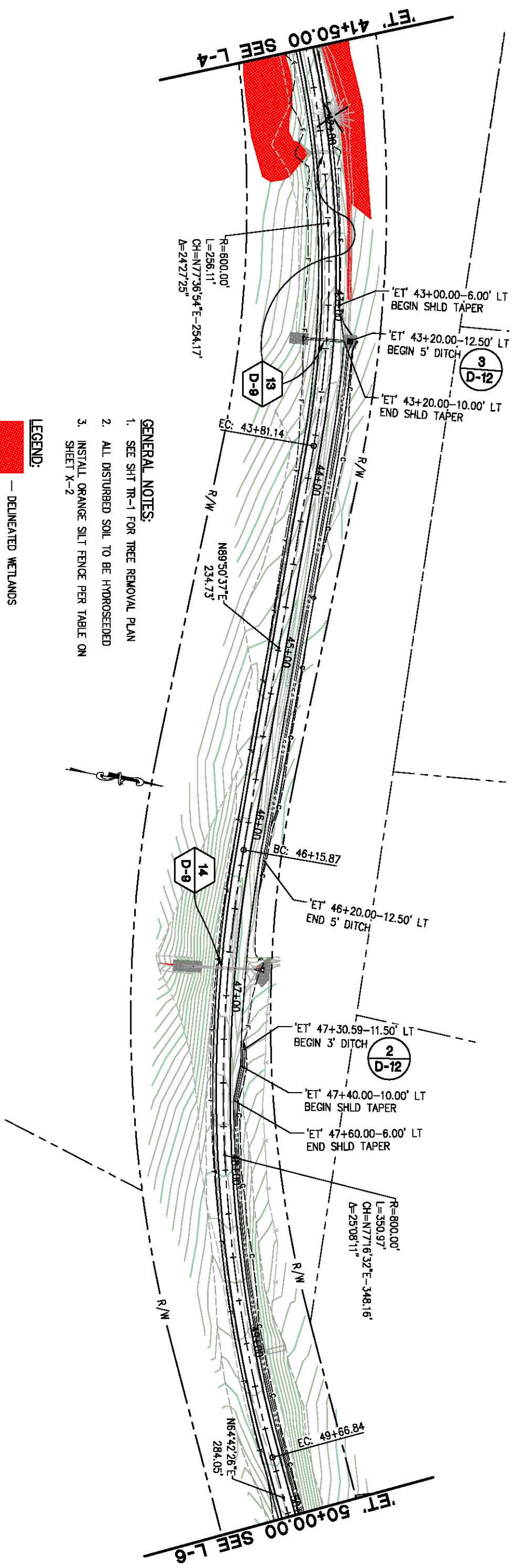
EL DORADO TRAIL
 LOS TRAMPAS TO HALCON

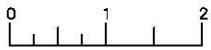
SHEET	W.O. No.
L-5	97012
12 OF 37	



LEGEND:
 DELINEATED WETLANDS

GENERAL NOTES:
 1. SEE SHT TR-1 FOR TREE REMOVAL PLAN
 2. ALL DISTURBED SOIL TO BE HYDROSEDED
 3. INSTALL ORANGE SILT FENCE PER TABLE ON SHEET X-2





REVISION	
NUMBER	DATE

BY: *[Signature]*

REGISTERED PROFESSIONAL ENGINEER

PREPARED UNDER THE SUPERVISION OF:

REGISTERED CIVIL ENGINEER

DATE: 12/04/17

DESIGNED: JIB
 CHECKED: JIB
 DATES: 03/14/17

ROAD NUMBER:

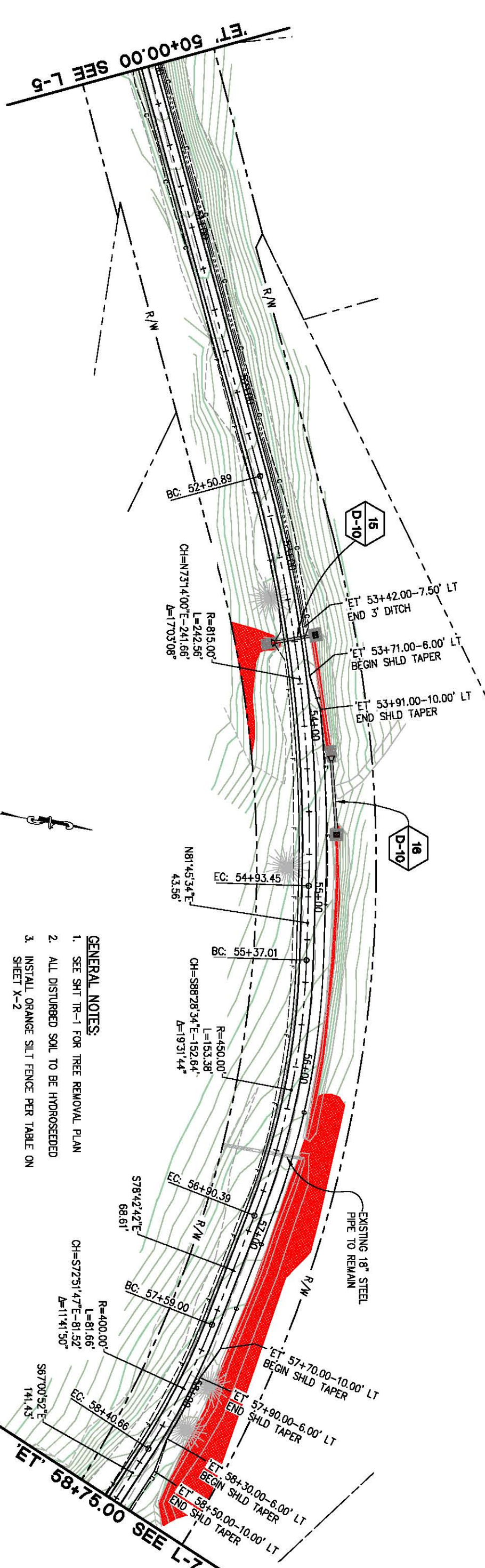
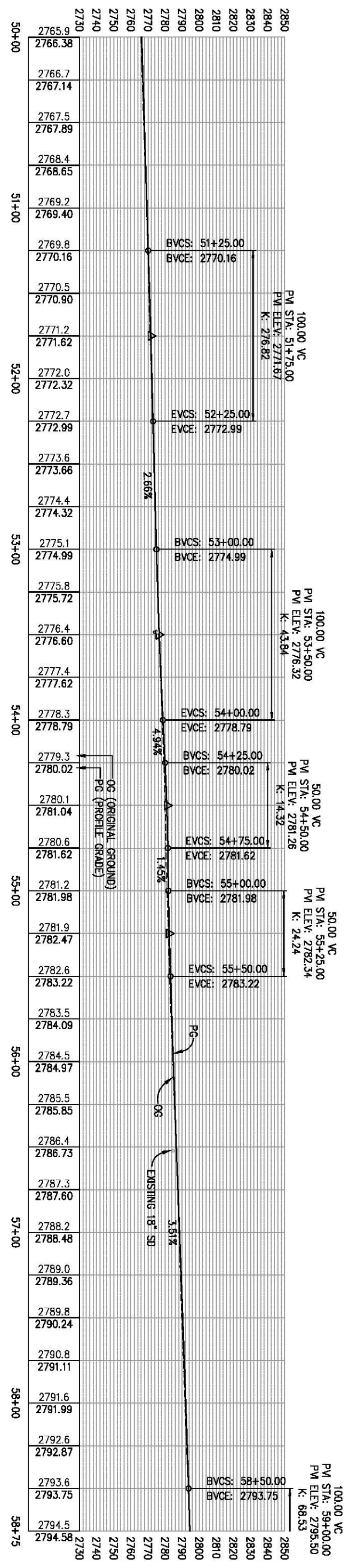


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

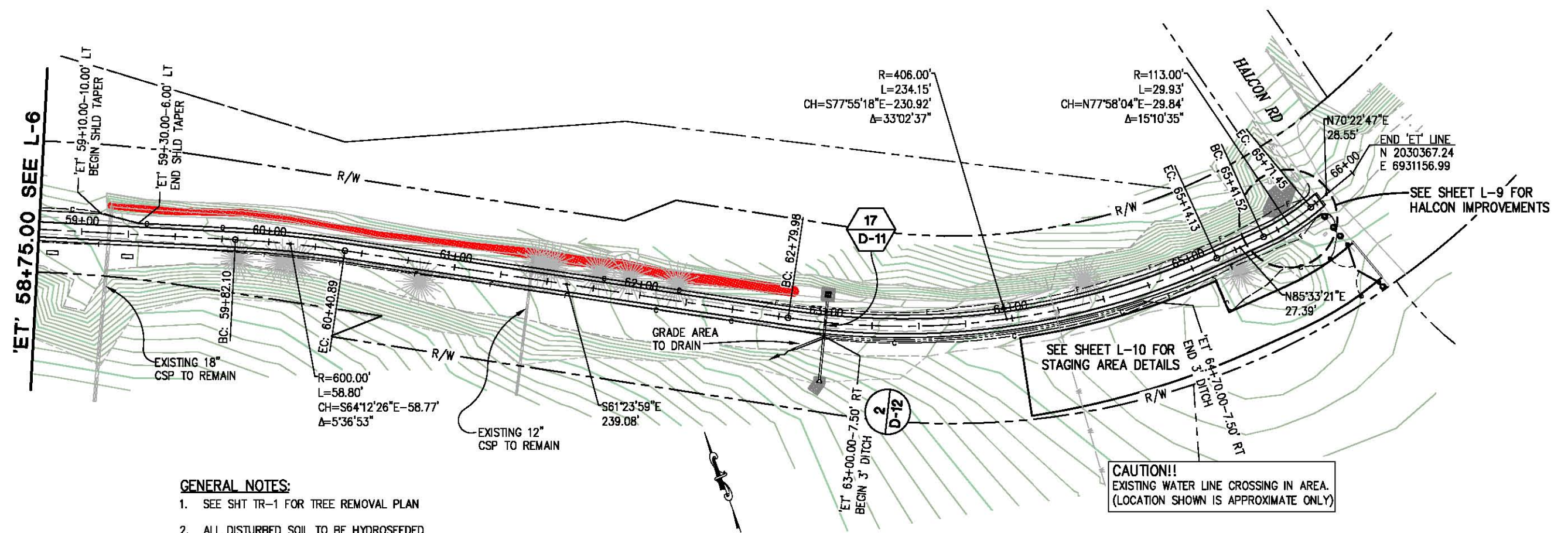
EL DORADO TRAIL
LOS TRAMPAS TO HALCON

SHEET **L-6**
 OF 37

W.O. No. **97012**



ORIGINAL SCALE IS IN INCHES
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 FOR REDUCED PLANS
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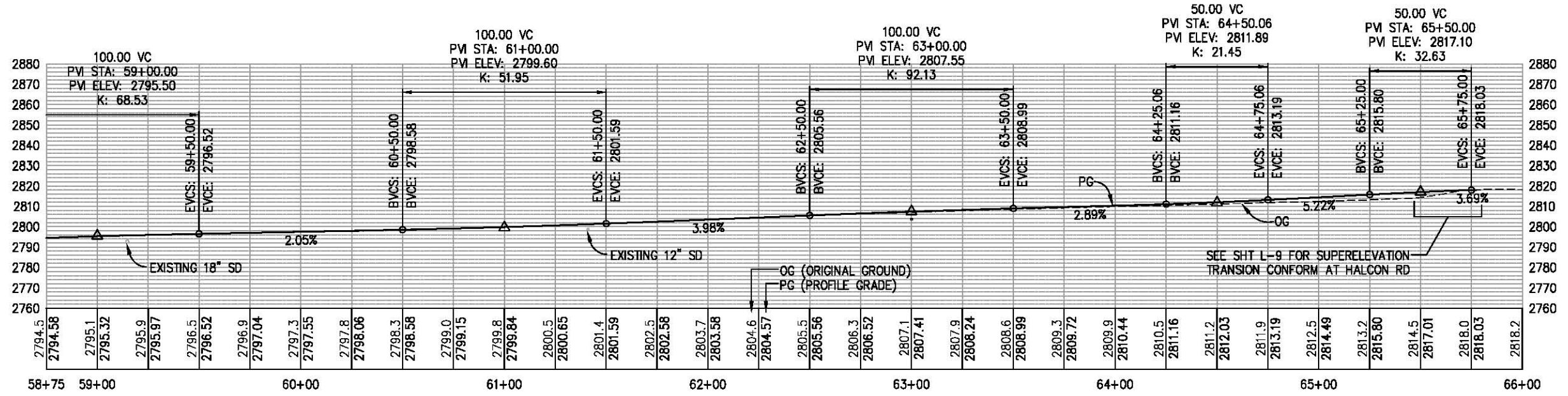


- GENERAL NOTES:**
- SEE SHT TR-1 FOR TREE REMOVAL PLAN
 - ALL DISTURBED SOIL TO BE HYDROSEEDED
 - INSTALL ORANGE SILT FENCE PER TABLE ON SHEET X-2

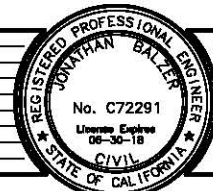
LEGEND:

— DELINEATED WETLANDS

CAUTION!!
 EXISTING WATER LINE CROSSING IN AREA.
 (LOCATION SHOWN IS APPROXIMATE ONLY)



LAYOUT
 SCALE : 1" = 30' H,V



PREPARED UNDER THE SUPERVISION OF:
 REGISTERED CIVIL ENGINEER
 DATE: 12/04/17

DESIGNED: JB
 DRAWN: SGM
 CHECKED: JB
 DATE: 03/14/17
 ROAD NUMBER: -



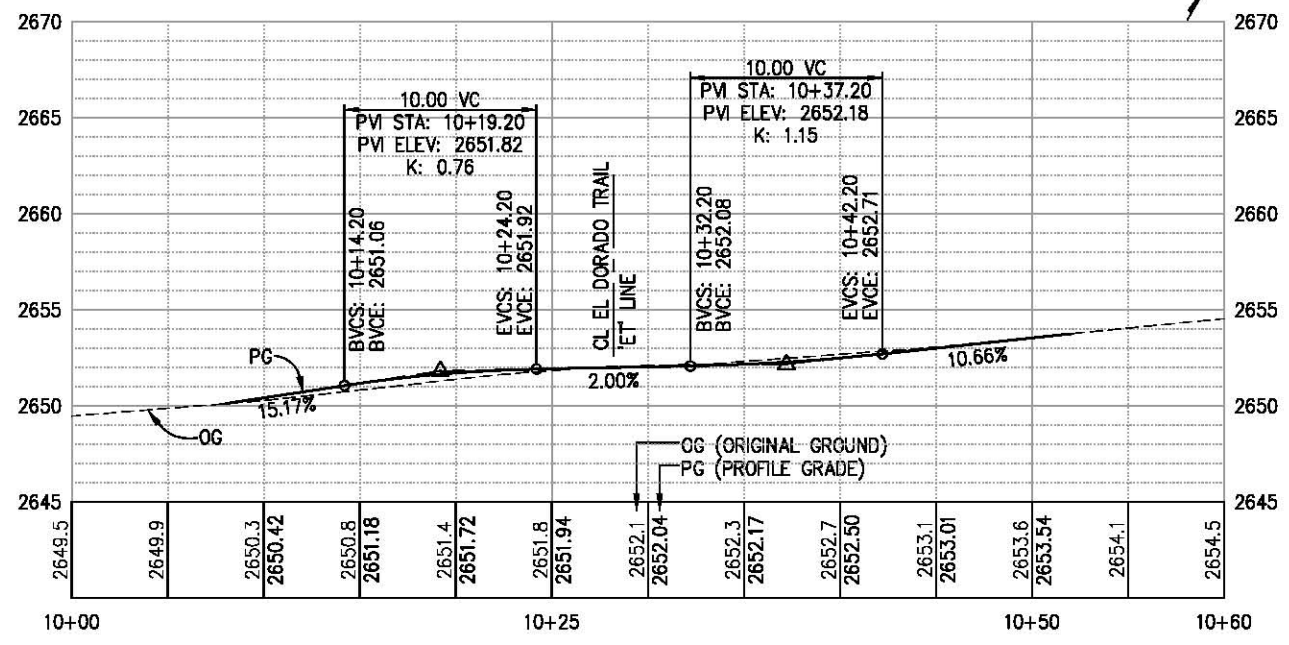
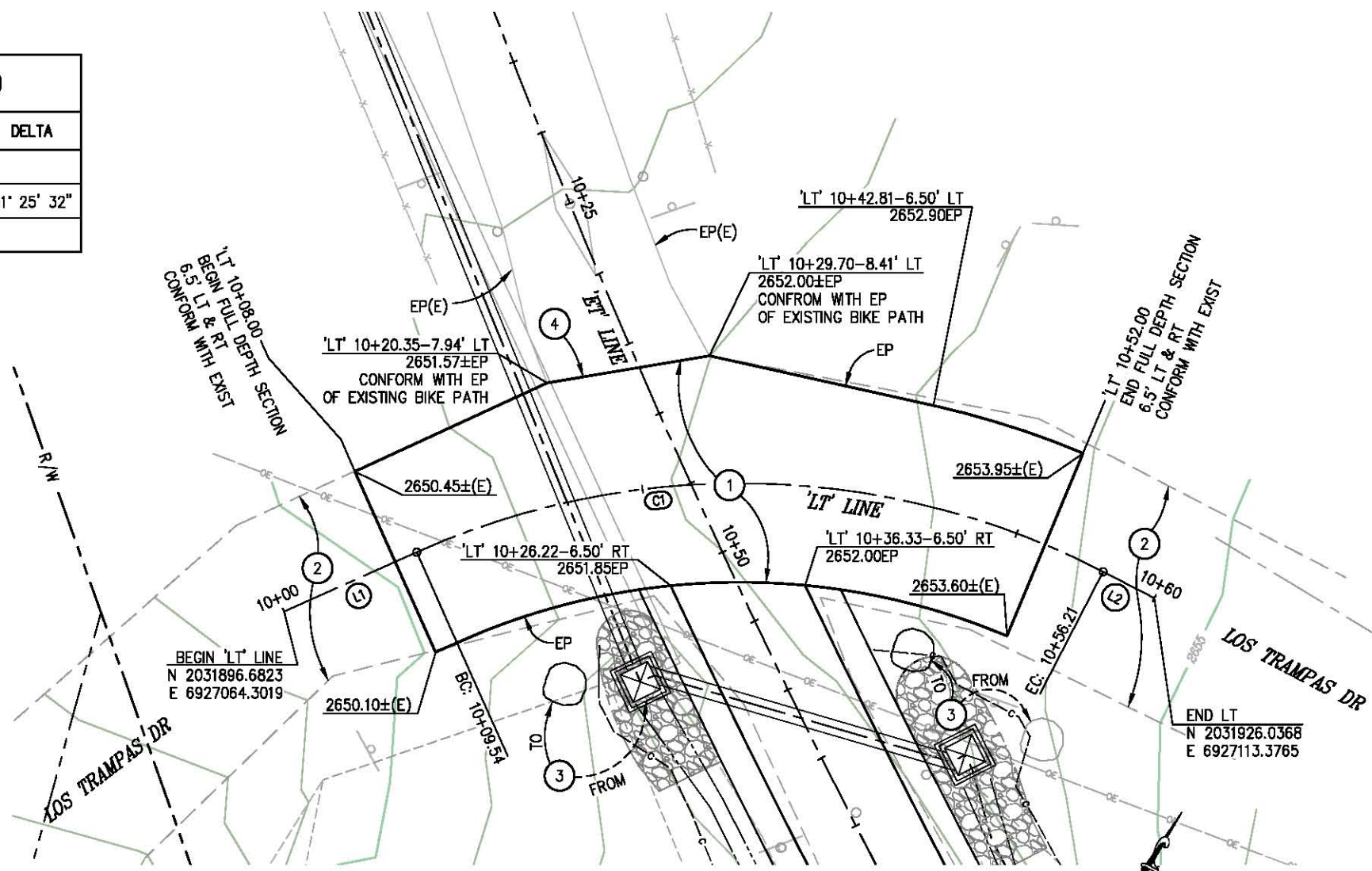
COUNTY OF EL DORADO
 DEPARTMENT OF TRANSPORTATION

EL DORADO TRAIL
 LOS TRAMPAS TO HALCON

SHEET
 L-7
 14 OF 37
 W.O. No. 97012

ORIGINAL SCALE IS IN INCHES
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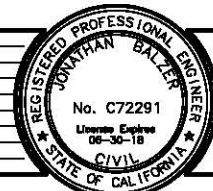
'LT' LINE (LOS TRAMPAS DR)				
NUMBER	LENGTH	RADIUS	LINE / CHORD DIRECTION & LENGTH	DELTA
L1	9.54		N 35° 54' 16" E	
C1	46.67	52.00	N 61° 37' 02" E - 45.12	51° 25' 32"
L2	3.79		N 87° 19' 48" E	



- GENERAL NOTES:**
- SEE SHIT TR-1 FOR TREE REMOVAL PLAN
 - ALL DISTURBED SOIL TO BE HYDROSEED

- CONSTRUCTION NOTES:**
- 3" HMA OVER 8" AB (CLASS 2)
 - EXISTING GRAVEL ROAD
 - RELOCATE LARGE ROCK (±3' DIA.) TO GENERAL LOCATION SHOWN AS DIRECTED BY ENGINEER
 - CONFORM TO EXISTING BIKE PATH AS NEEDED DIRECTED BY ENGINEER

LAYOUT - LOS TRAMPAS DR
SCALE : 1" = 5' H,V



PREPARED UNDER THE SUPERVISION OF:

 REGISTERED CIVIL ENGINEER
 DATE: 12/04/17

DESIGNED: JB
 DRAWN: SGM
 CHECKED: JB
 DATE: 03/14/17
 ROAD NUMBER: -

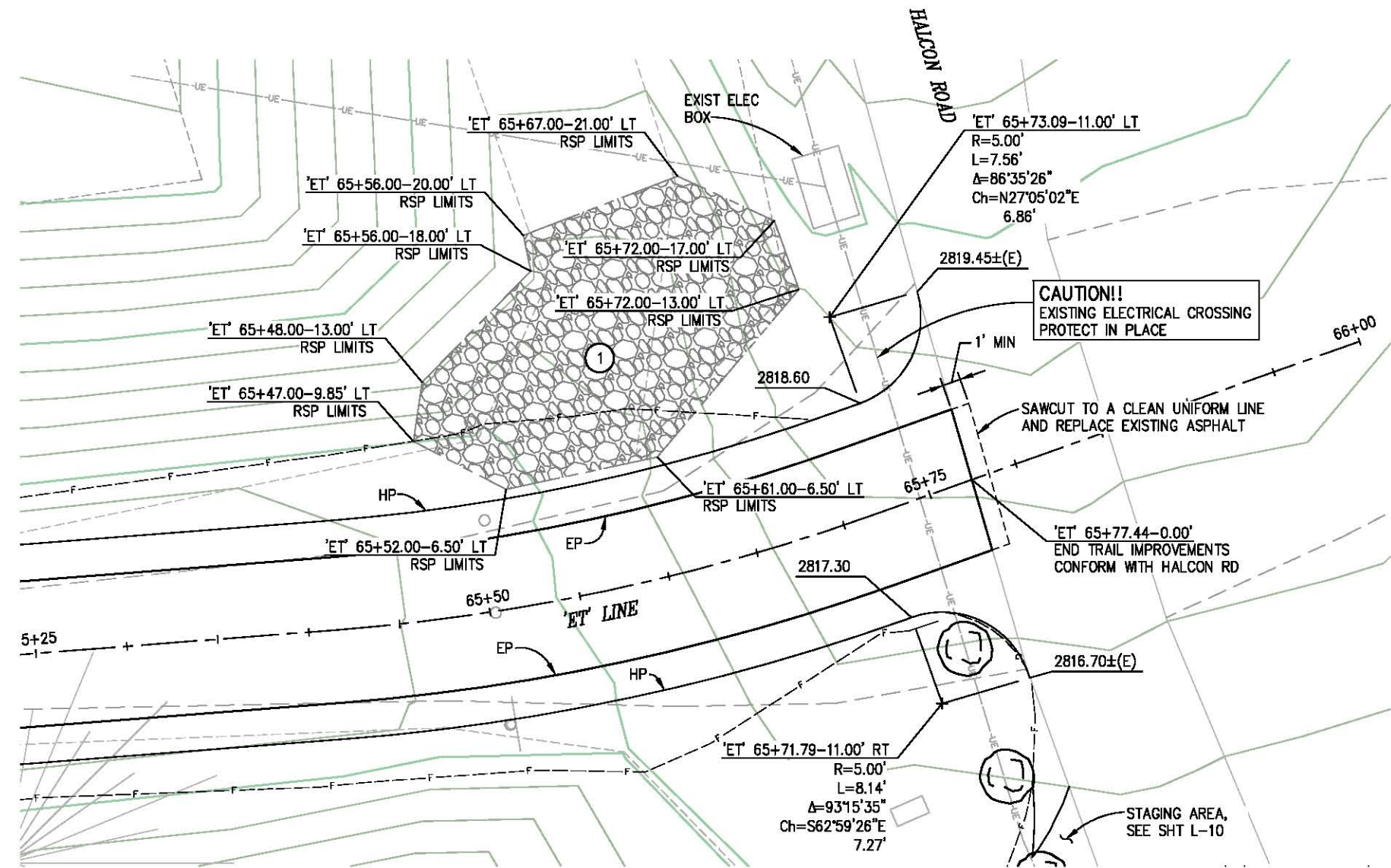


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

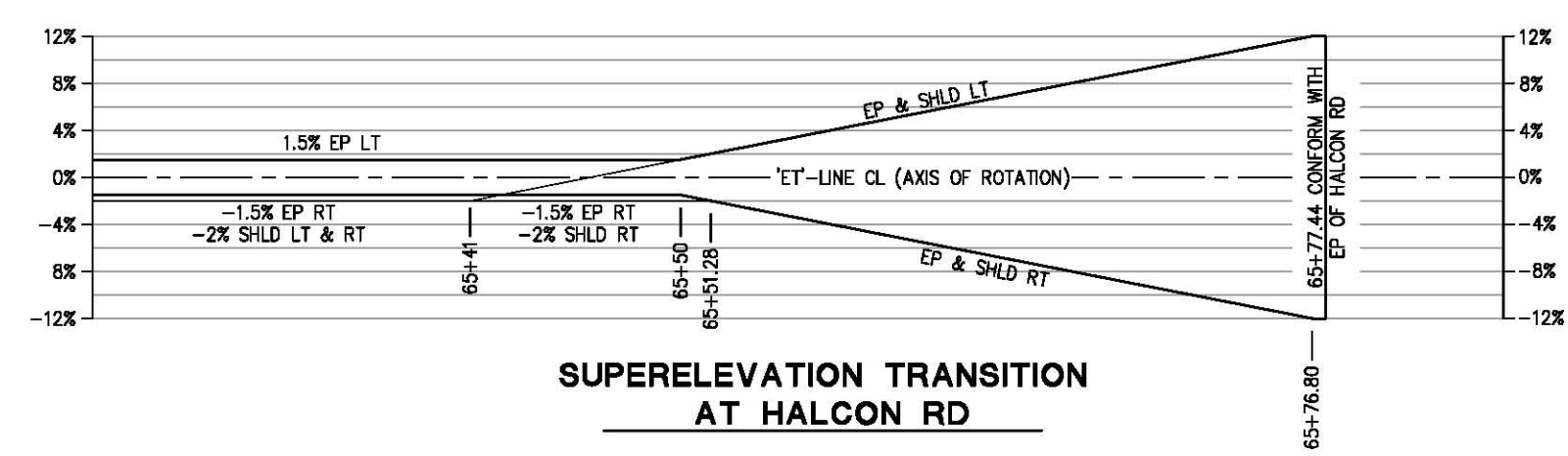
EL DORADO TRAIL
LOS TRAMPAS TO HALCON

SHEET
L-8
15 OF 37
W.O. No. 97012

ORIGINAL SCALE IS IN INCHES
 Drawing name: C:\Civil 3D\Projects\97012 El Dorado Trail Los Trampas to Halcon\CADD Files\Sheets\L Sheets.dwg Layout Tab: L-9 Feb 20, 2018 - 6:15am SMCley
 FOR REDUCED PLANS
 REVISION
 NUMBER DATE DESCRIPTION BY



- GENERAL NOTES:**
- SEE SHT TR-1 FOR TREE REMOVAL PLAN
 - ALL DISTURBED SOIL TO BE HYDROSEED
- CONSTRUCTION NOTES:**
- ① — PLACE RSP FACING AND RSP FABRIC TO LIMITS SHOWN, D=1.8' (APPROX. QTY=396 CF)



SUPERELEVATION TRANSITION AT HALCON RD

LAYOUT - HALCON RD
SCALE: 1" = 4'



PREPARED UNDER THE SUPERVISION OF:
 REGISTERED CIVIL ENGINEER
 DATE: 12/04/17

DESIGNED: JB
 DRAWN: SGM
 CHECKED: JB
 DATE: 03/14/17
 ROAD NUMBER: -

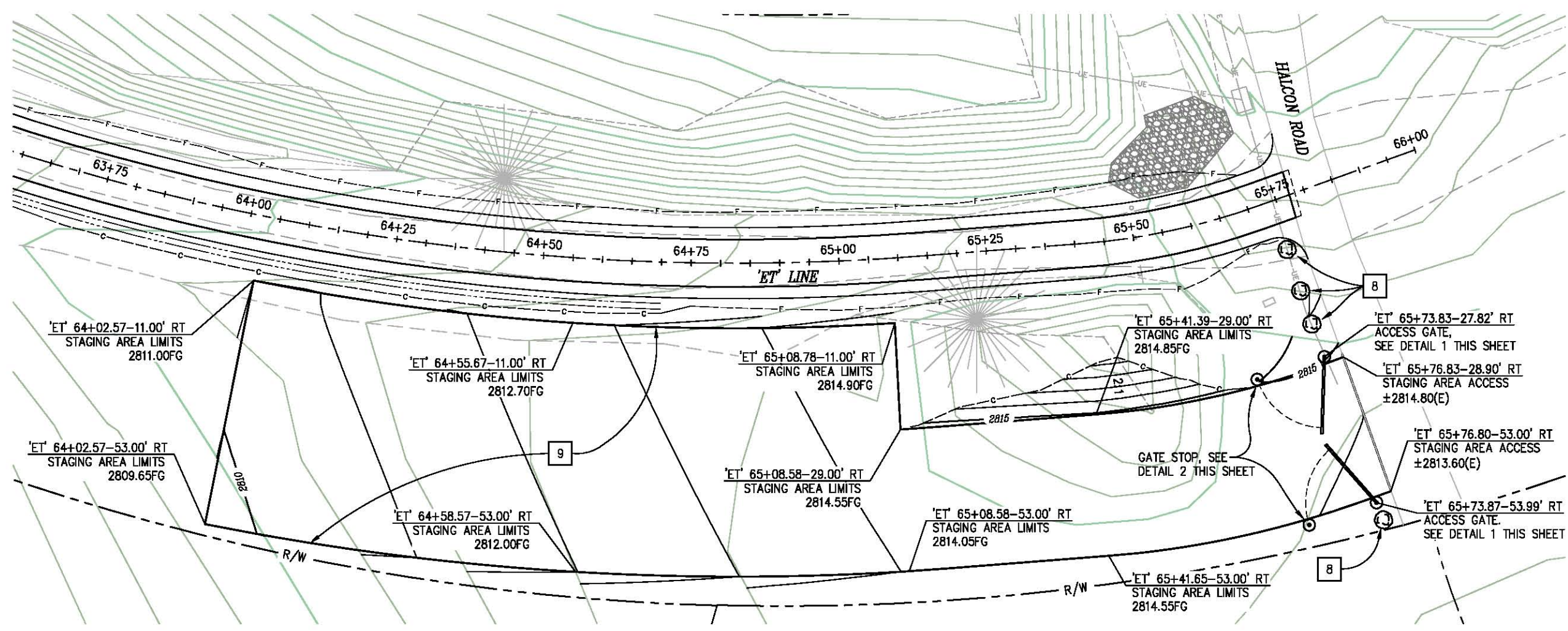


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

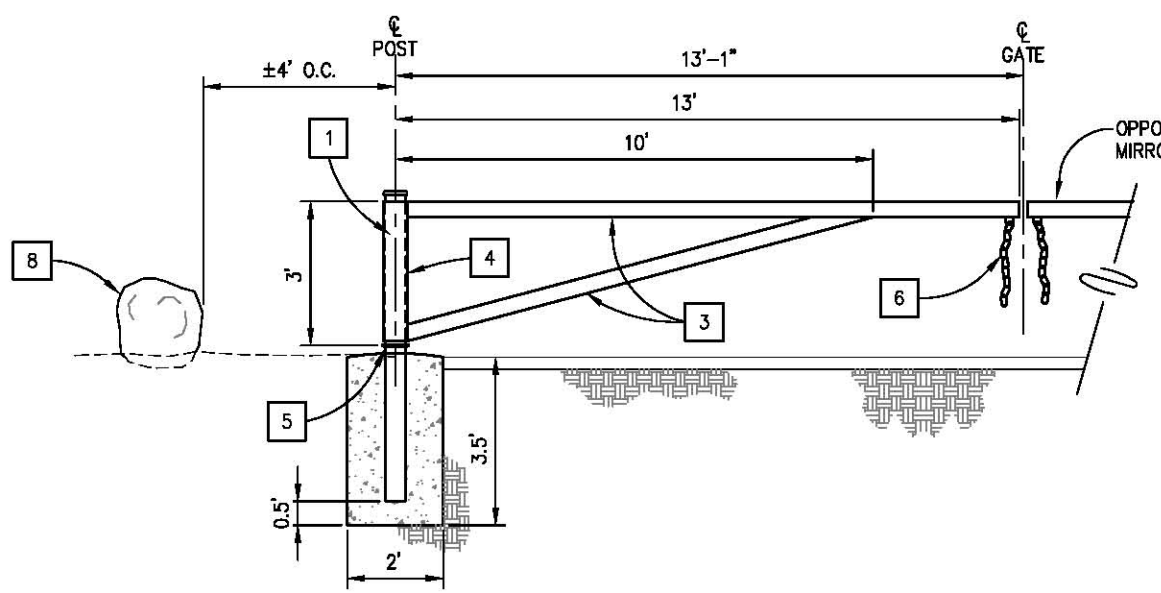
EL DORADO TRAIL
LOS TRAMPAS TO HALCON

SHEET
L-9
16 OF 37
W.O. No. 97012

ORIGINAL SCALE IS IN INCHES
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 FOR REDUCED PLANS



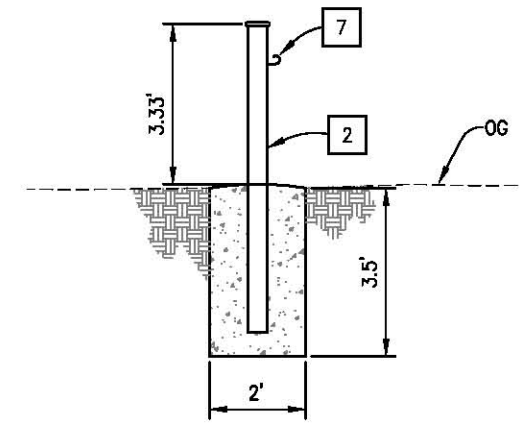
- GENERAL NOTES:**
- SEE SHT TR-1 FOR TREE REMOVAL PLAN
 - ALL DISTURBED SOIL TO BE HYDROSEEDED



1 26' PERMANENT ACCESS GATE
NTS

ACCESS GATE CONSTRUCTION NOTES:

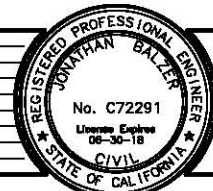
- | | |
|---|---|
| 1 — 5" O.D. ROUND STRUCTURAL TUBING (3/8" WALL) TO BE THREADED AND CAPPED | 5 — 1" WIDE RING WELDED TO TUBE TO SUPPORT GATE |
| 2 — 5" O.D. ROUND STRUCTURAL TUBING CLOSED POST (3/8" WALL) | 6 — 1/2" ROUND CASE HARDENED STOCK CHAIN, 2.5' LONG |
| 3 — 4" O.D. ROUND STRUCTURAL TUBING (1/8" WALL) | 7 — 3/8" ROUND BAR, HOOKED SHAPED TO RETAIN CHAIN AND HOLD GATE OPEN |
| 4 — 6" O.D. ROUND STRUCTURAL TUBING (3/16" WALL) | 8 — 2'-3" Ø BOULDER, 4 LOCATIONS, 4' SPACING BETWEEN BOULDERS |
| | 9 — STAGING AREA - 3/4" AB (CLASS 2), 3" DEEP. LIMITS OF STAGING ARE ARE APPROXIMATE, EXACT LIMITS ARE TO BE DETERMINED IN FIELD AND APPROVED BY ENGINEER |



2 GATE STOP
NTS

LAYOUT
SCALE : 1" = 10'

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

 REGISTERED CIVIL ENGINEER
 DATE: 12/04/17

DESIGNED: JB
 DRAWN: SGM
 CHECKED: JB
 DATE: 12/04/17
 ROAD NUMBER: -

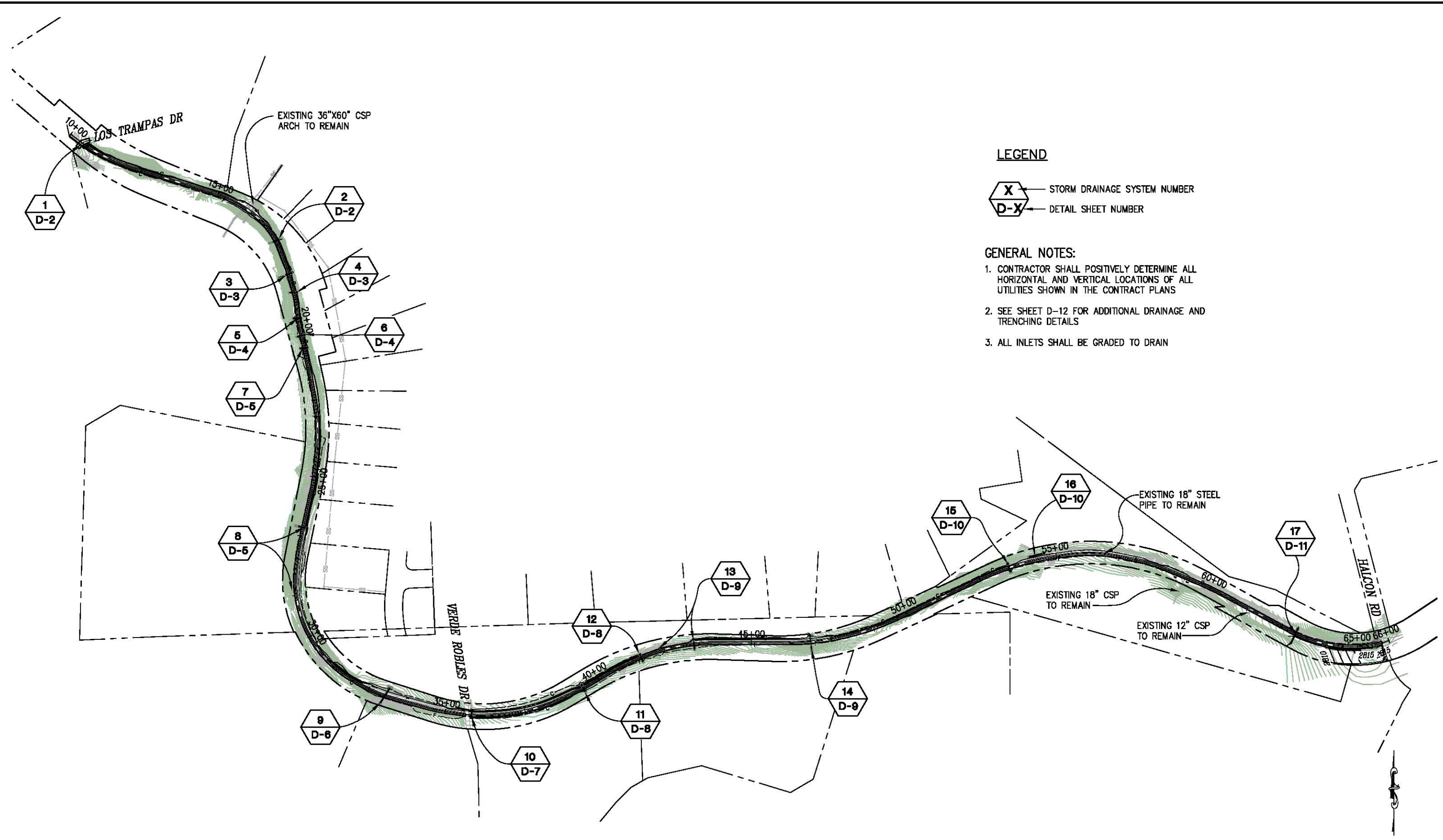


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

EL DORADO TRAIL
LOS TRAMPAS TO HALCON

SHEET
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17 OF 37
W.O. No. 97012

ORIGINAL SCALE IS IN INCHES
 Drawing name: C:\Civil 3D\Projects\97012 El Dorado Trail Los Trampas to Halcon\CADD Files\Sheets\0 Sheets.dwg Layout Tab: D-1 Feb 20, 2018 - 6:17am SMCley
 FOR REDUCED PLANS



LEGEND

- STORM DRAINAGE SYSTEM NUMBER
- DETAIL SHEET NUMBER

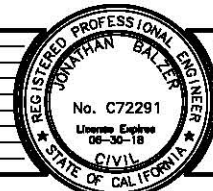
GENERAL NOTES:

1. CONTRACTOR SHALL POSITIVELY DETERMINE ALL HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES SHOWN IN THE CONTRACT PLANS
2. SEE SHEET D-12 FOR ADDITIONAL DRAINAGE AND TRENCHING DETAILS
3. ALL INLETS SHALL BE GRADED TO DRAIN



**DRAINAGE SITE PLAN
SCALE : NONE**

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF :

 REGISTERED CIVIL ENGINEER
 DATE: 12/04/17

DESIGNED: JB
 DRAWN: SGM
 CHECKED: JB
 DATE: 11/15/17
 ROAD NUMBER: -

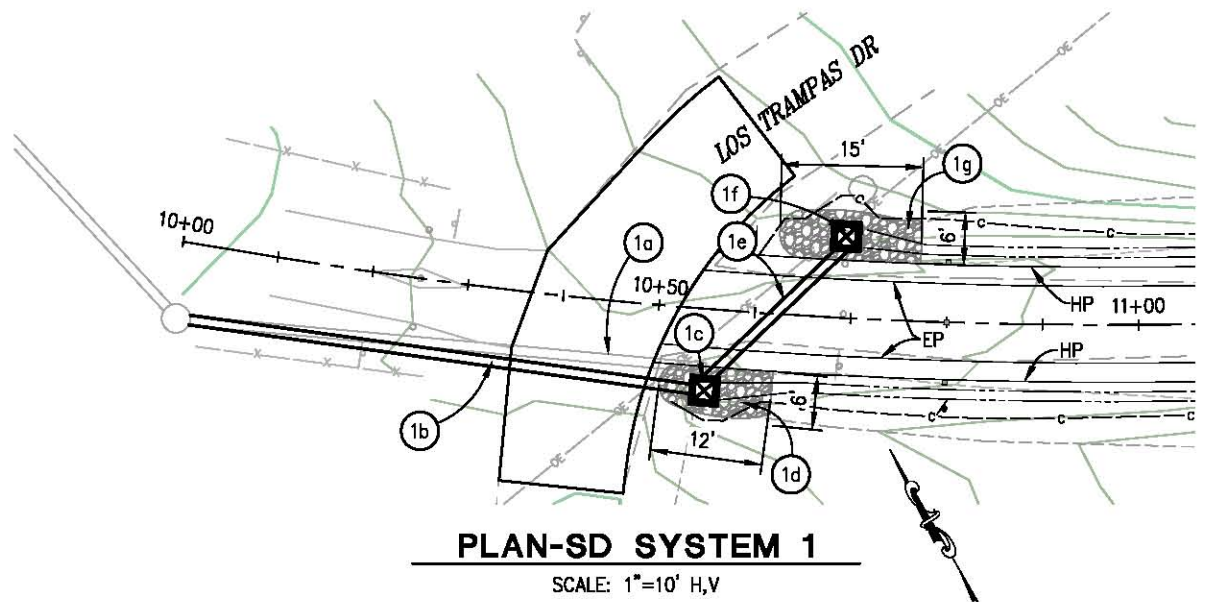


**COUNTY OF EL DORADO
 DEPARTMENT OF TRANSPORTATION**

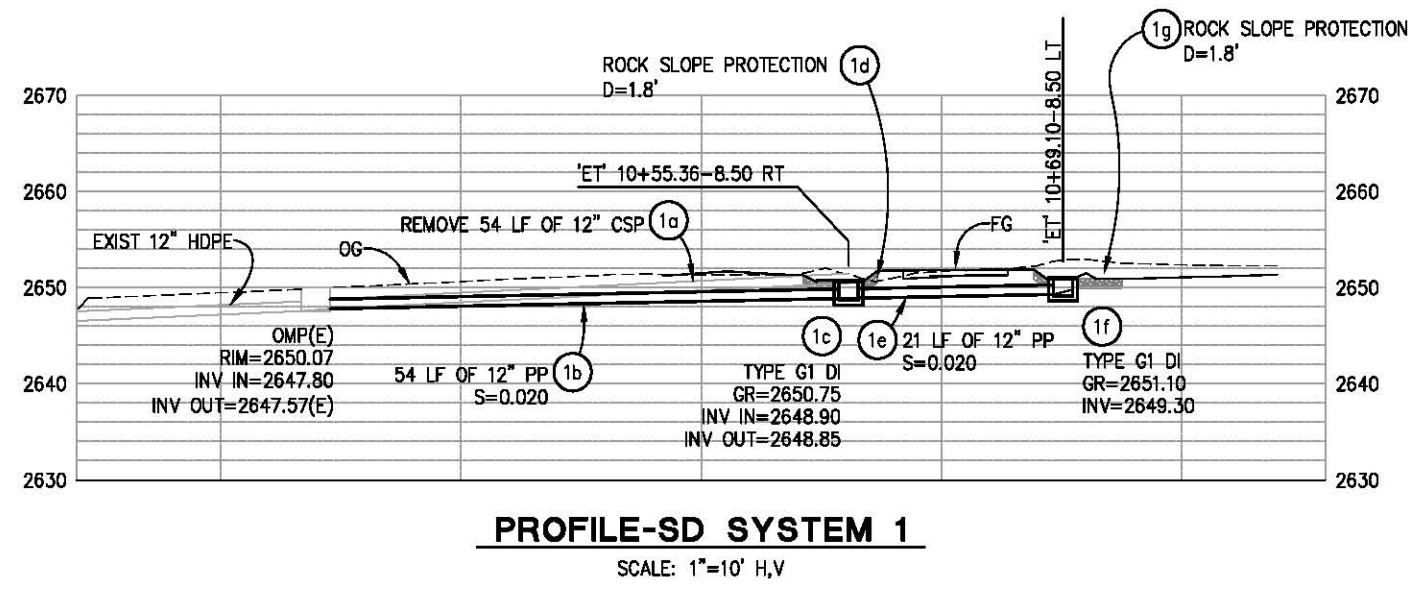
**EL DORADO TRAIL
 LOS TRAMPAS TO HALCON**

SHEET
D-1
 18 OF 37
 W.O. No. **97012**

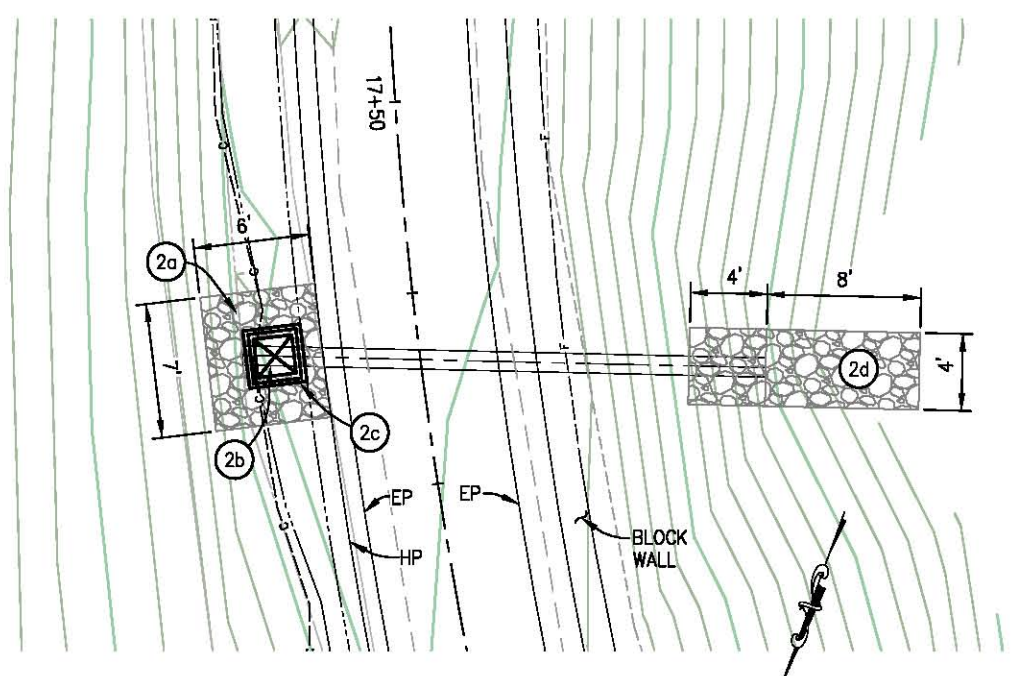
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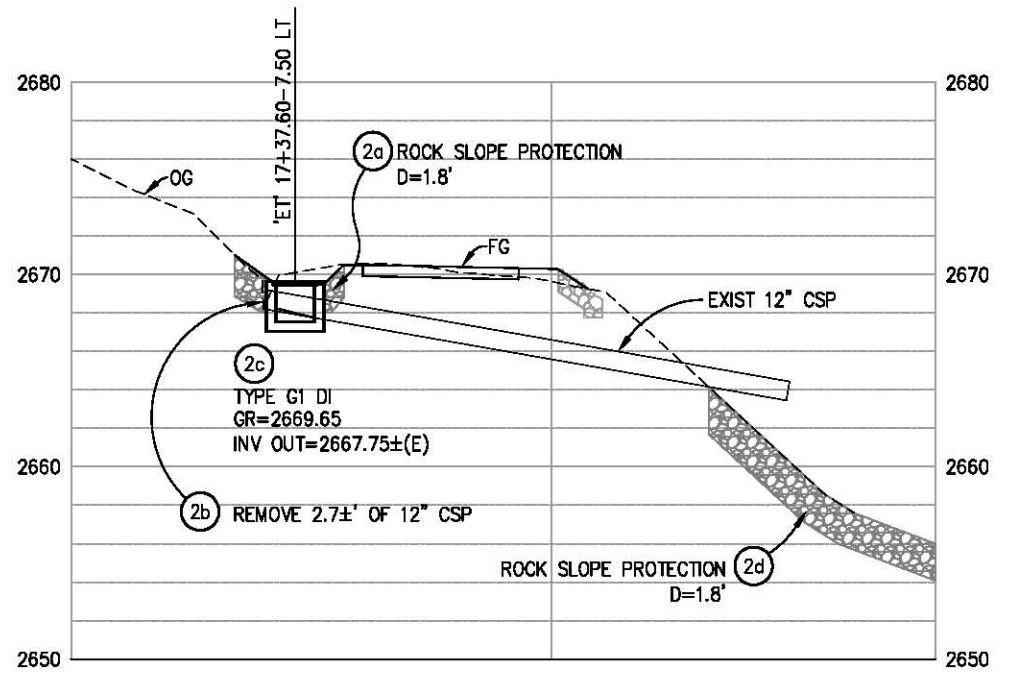
PLAN-SD SYSTEM 1
SCALE: 1"=10' H,V



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



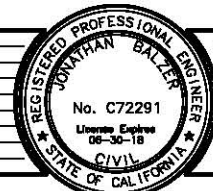
PLAN-SD SYSTEM 2
SCALE: 1"=5' H,V



PROFILE-SD SYSTEM 2
SCALE: 1"=5' H,V

GENERAL NOTES:
 1. ALL RSP SHALL RECEIVE RSP FABRIC (CLASS 8)

DRAINAGE LAYOUT
SCALE : AS SHOWN



PREPARED UNDER THE SUPERVISION OF:
 [Signature]
 REGISTERED CIVIL ENGINEER
 DATE: 12/04/17

DESIGNED: JB
 DRAWN: SGM
 CHECKED: JB
 DATE: 11/15/17
 ROAD NUMBER: -

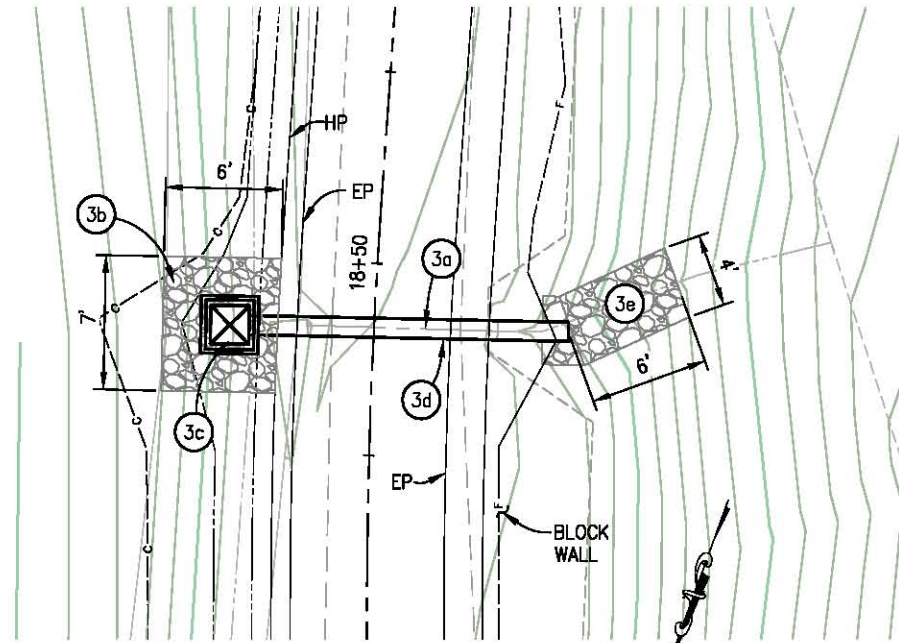


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

EL DORADO TRAIL
LOS TRAMPAS TO HALCON

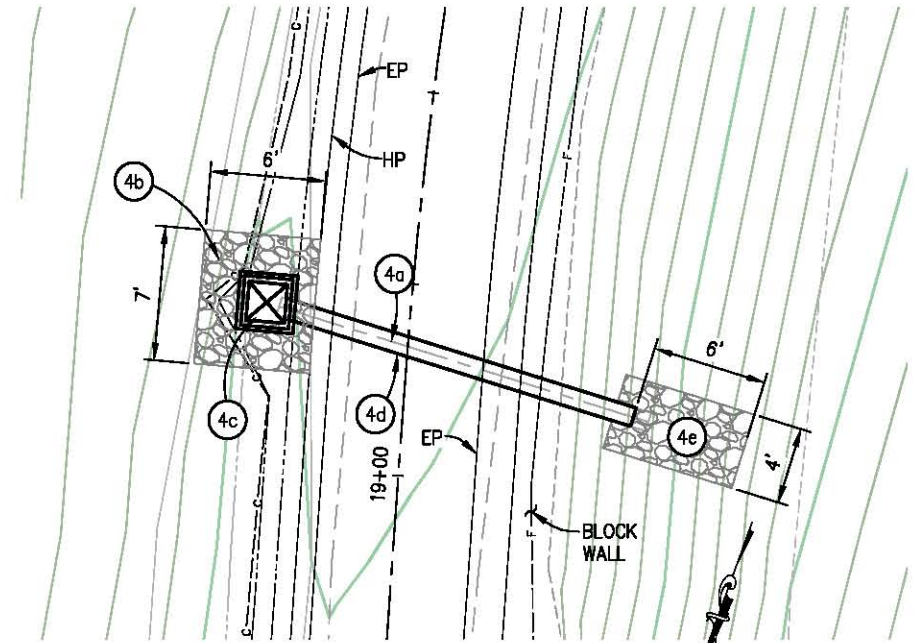
SHEET
D-2
19 OF 37
W.O. No. **97012**

ORIGINAL SCALE IS IN INCHES
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 FOR REDUCED PLANS



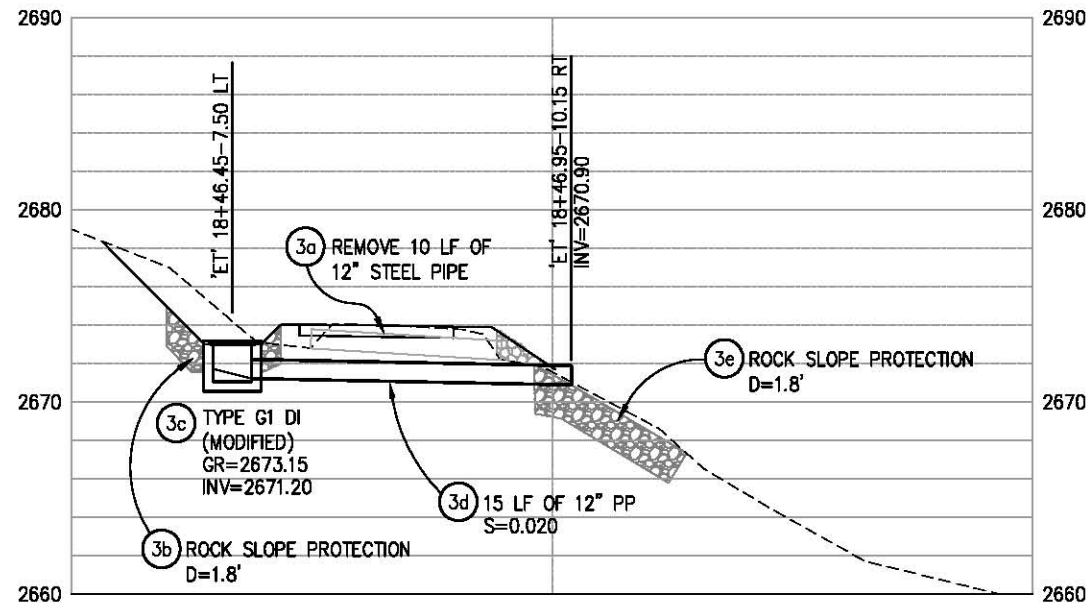
PLAN-SD SYSTEM 3

SCALE: 1"=5' H,V



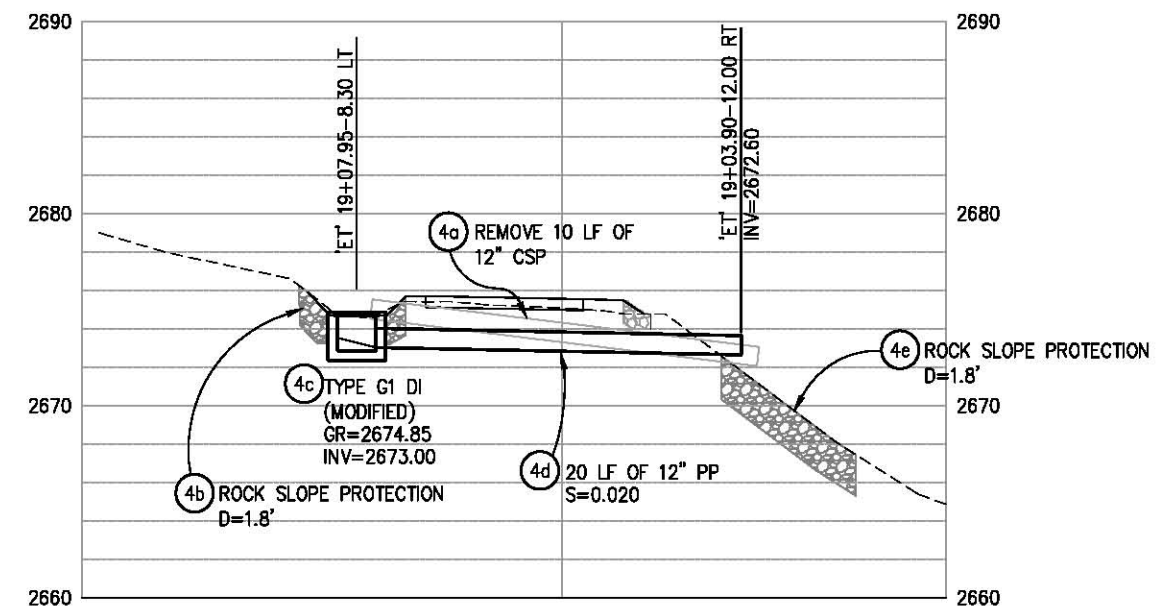
PLAN-SD SYSTEM 4

SCALE: 1"=5' H,V



PROFILE-SD SYSTEM 3

SCALE: 1"=5' H,V



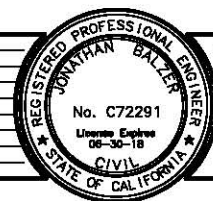
PROFILE-SD SYSTEM 4

SCALE: 1"=5' H,V

GENERAL NOTES:

1. ALL RSP SHALL RECEIVE RSP FABRIC (CLASS 8)

**DRAINAGE LAYOUT
SCALE : AS SHOWN**



PREPARED UNDER THE SUPERVISION OF :

 REGISTERED CIVIL ENGINEER
 DATE: 12/04/17

DESIGNED: JB
 DRAWN: SGM
 CHECKED: JB
 DATE: 11/15/17
 ROAD NUMBER: -

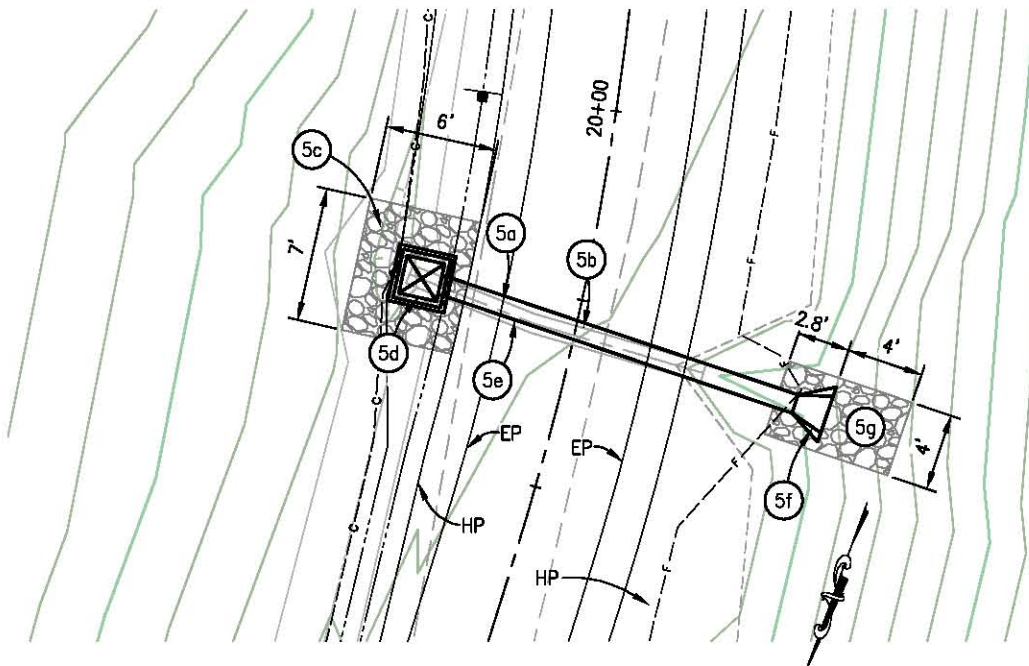


**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

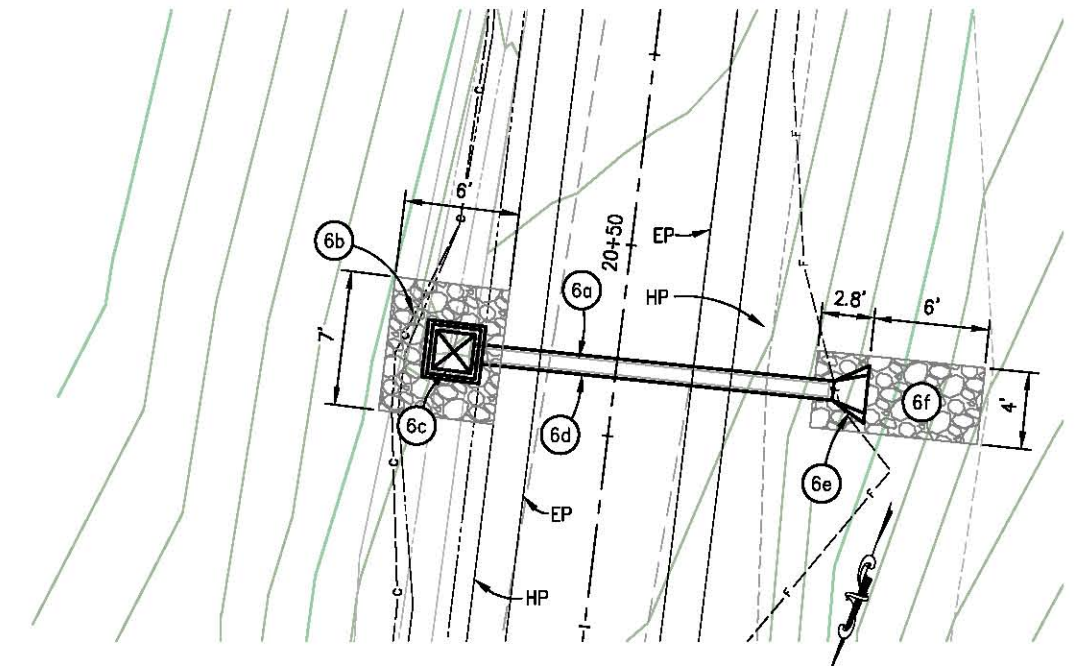
**EL DORADO TRAIL
LOS TRAMPAS TO HALCON**

SHEET
D-3
 20 OF 37
 W.O. No. 97012

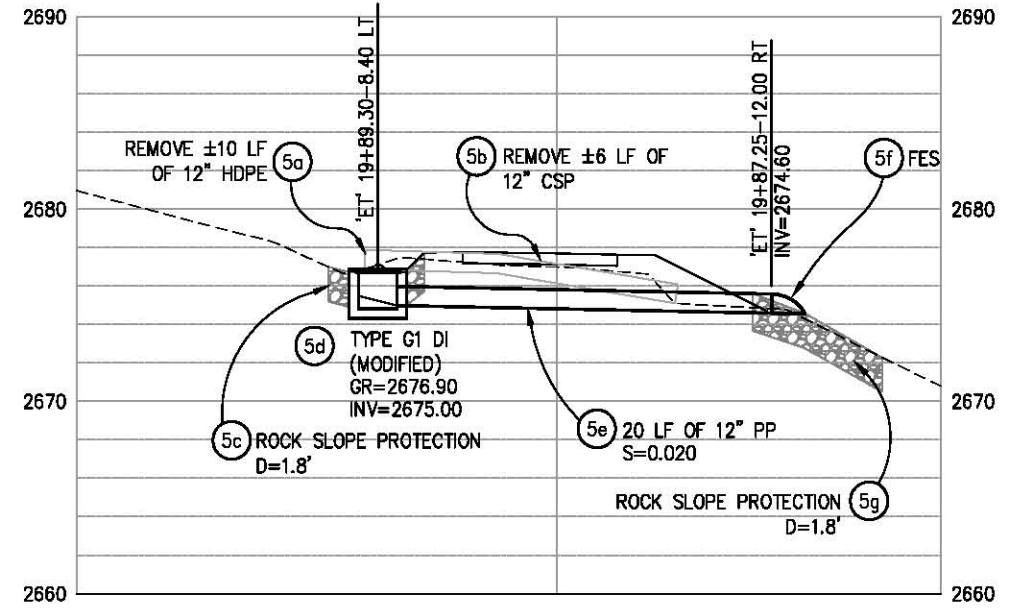
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 FOR REDUCED PLANS
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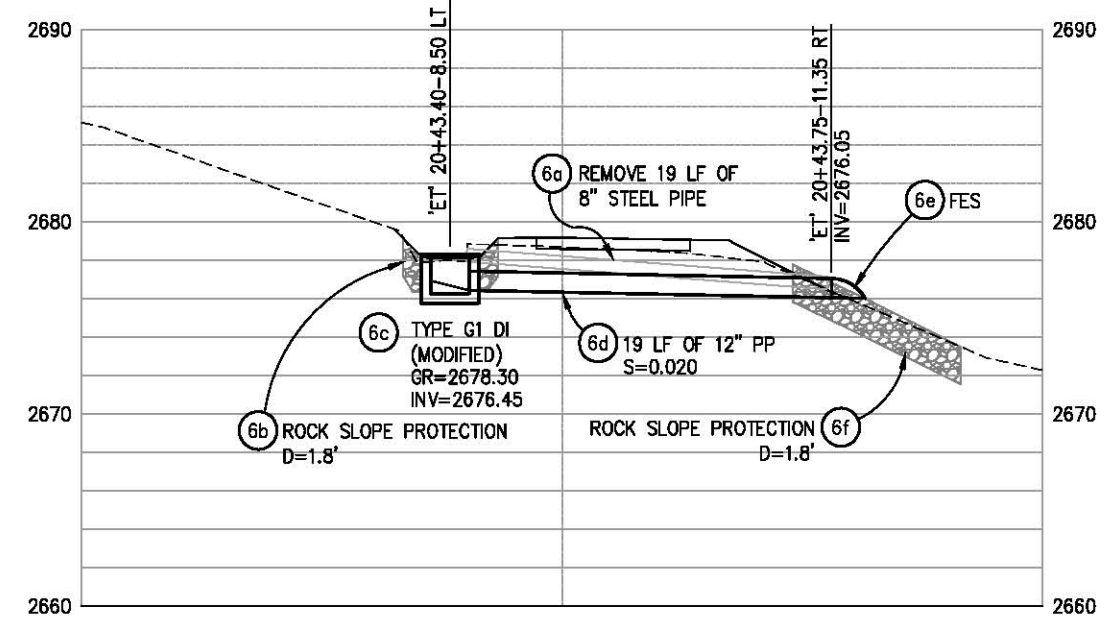
PLAN-SD SYSTEM 5
SCALE: 1"=5' H,V



PLAN-SD SYSTEM 6
SCALE: 1"=5' H,V



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

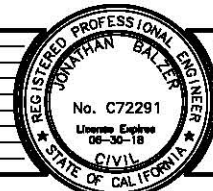


PROFILE-SD SYSTEM 6
SCALE: 1"=5' H,V

GENERAL NOTES:
 1. ALL RSP SHALL RECEIVE RSP FABRIC (CLASS 8)

DRAINAGE LAYOUT
SCALE : AS SHOWN

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
 [Signature]
 REGISTERED CIVIL ENGINEER
 DATE: 12/04/17

DESIGNED: JB
 DRAWN: SGM
 CHECKED: JB
 DATE: 11/15/17
 ROAD NUMBER: -

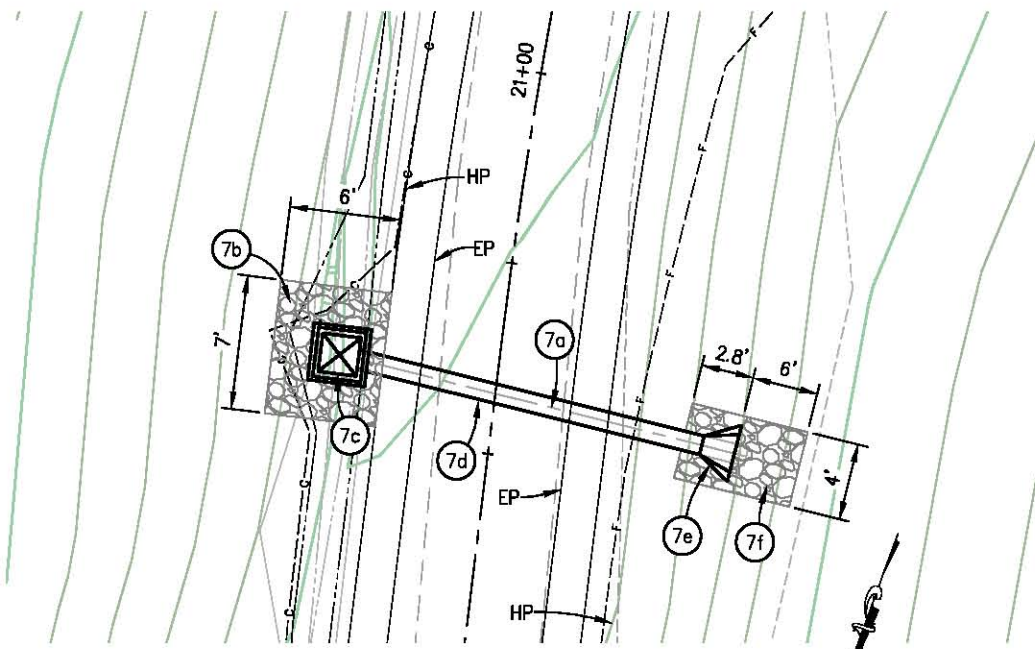


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

EL DORADO TRAIL
LOS TRAMPAS TO HALCON

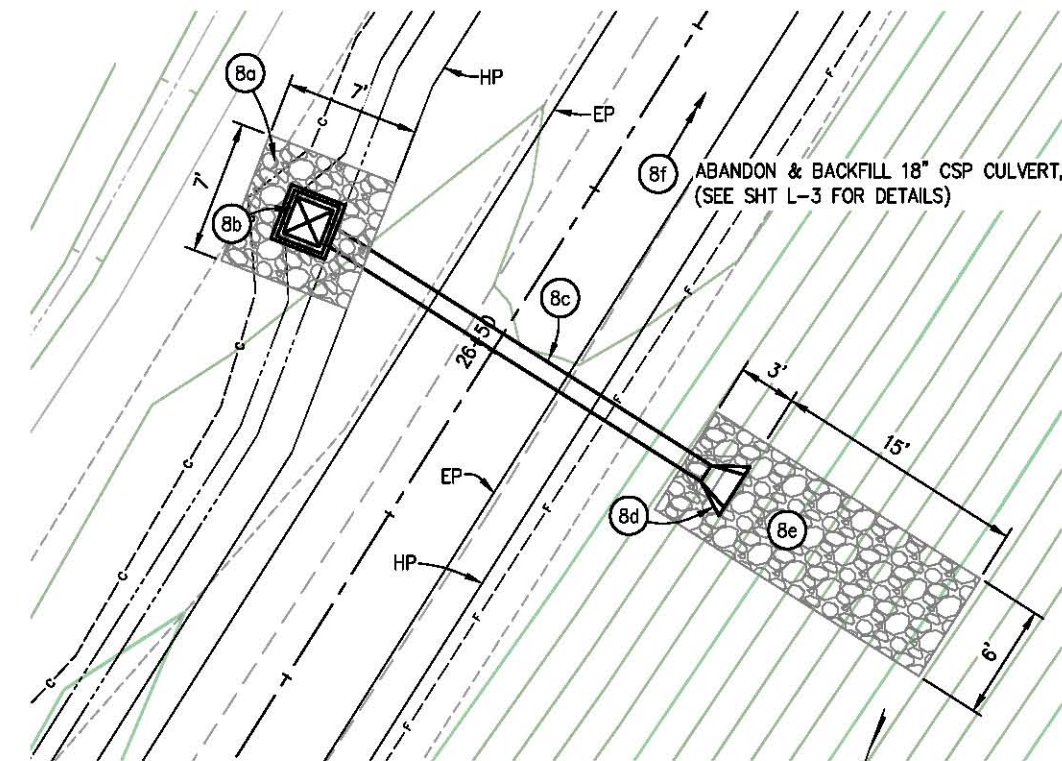
SHEET
D-4
21 OF 37
W.O. No. **97012**

ORIGINAL SCALE IS IN INCHES
 Drawing name: C:\Civil 3D\Projects\97012 El Dorado Trail Los Trampas to Halcon\CADD\Files\Sheets\0 Sheets.dwg Layout Tab: D-5 Feb 20, 2018 - 6:20am SMCvey
 FOR REDUCED PLANS



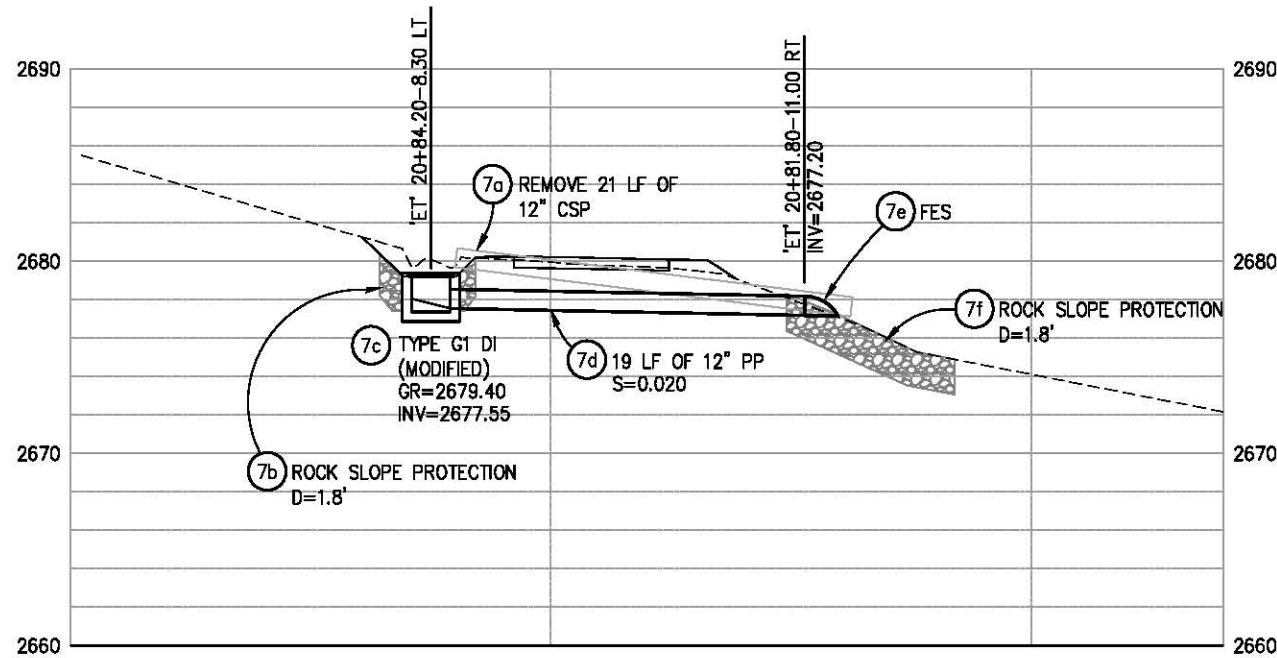
PLAN-SD SYSTEM 7

SCALE: 1"=5' H,V



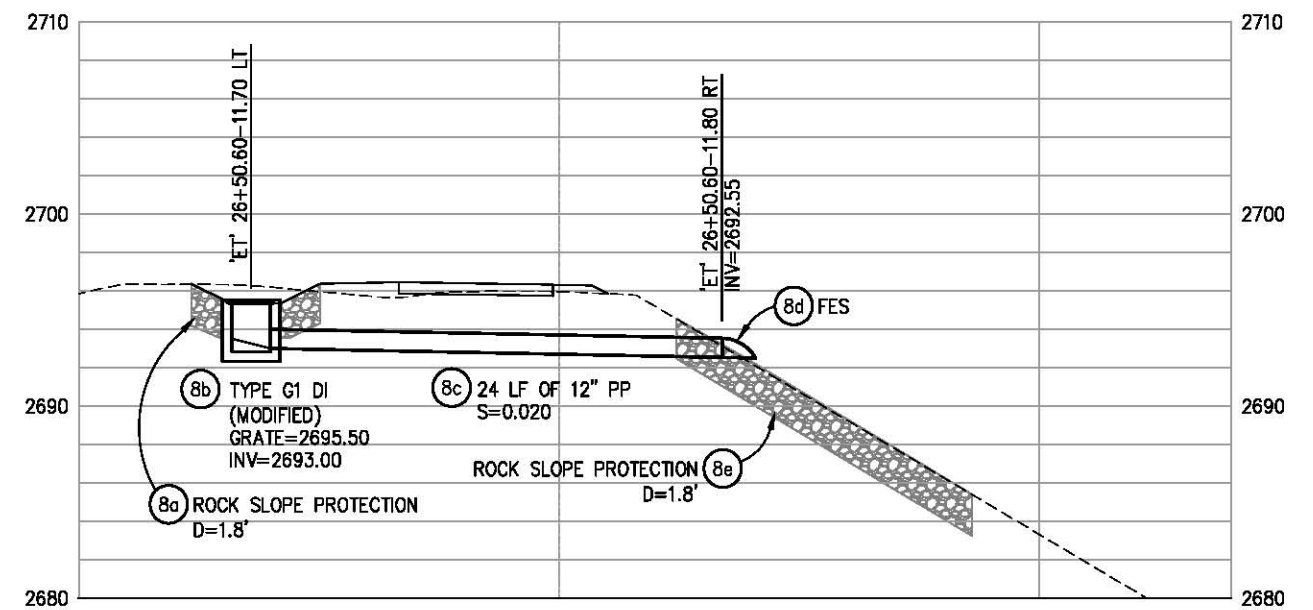
PLAN-SD SYSTEM 8

SCALE: 1"=5' H,V



PROFILE-SD SYSTEM 7

SCALE: 1"=5' H,V



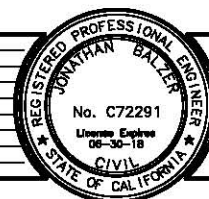
PROFILE-SD SYSTEM 8

SCALE: 1"=5' H,V

GENERAL NOTES:

1. ALL RSP SHALL RECEIVE RSP FABRIC (CLASS 8)

**DRAINAGE LAYOUT
SCALE : AS SHOWN**



PREPARED UNDER THE SUPERVISION OF :

 REGISTERED CIVIL ENGINEER
 DATE: 12/04/17

DESIGNED: JB
 DRAWN: SGM
 CHECKED: JB
 DATE: 03/14/17
 ROAD NUMBER: -

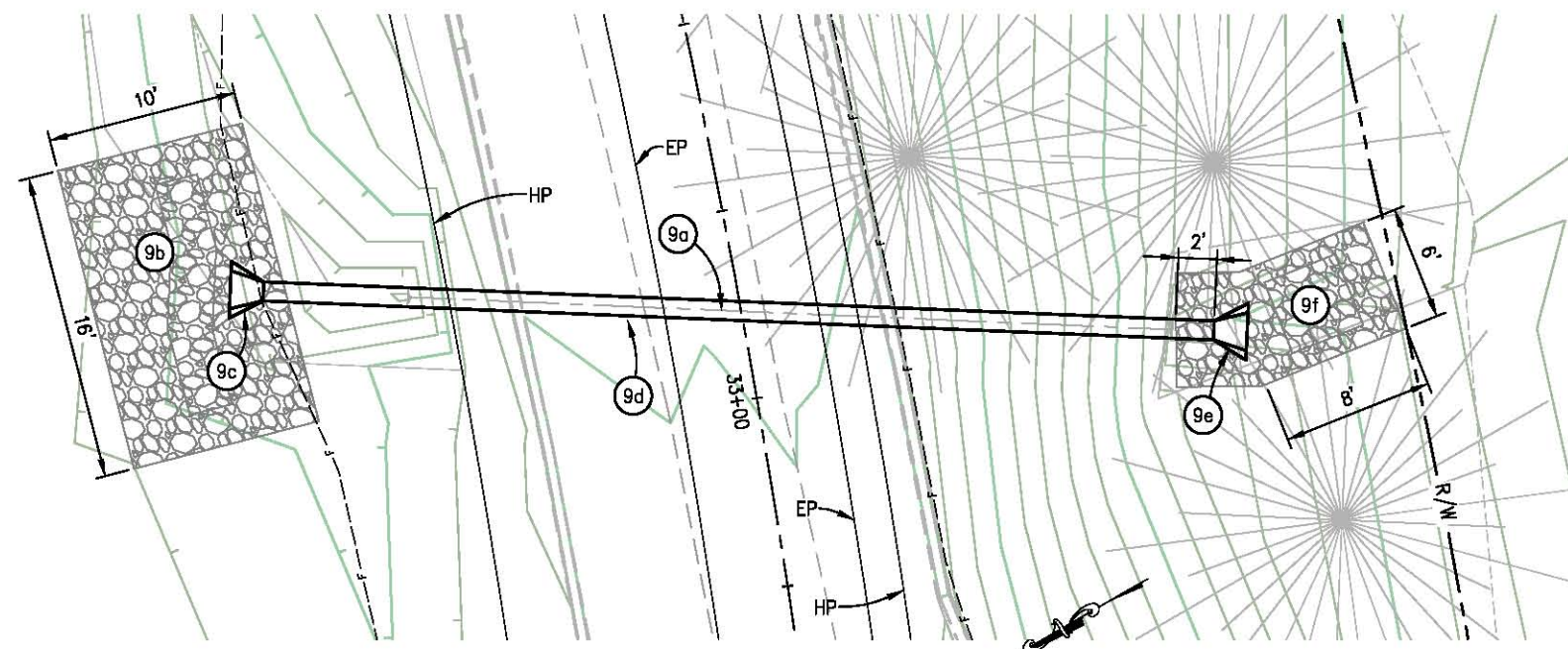


**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

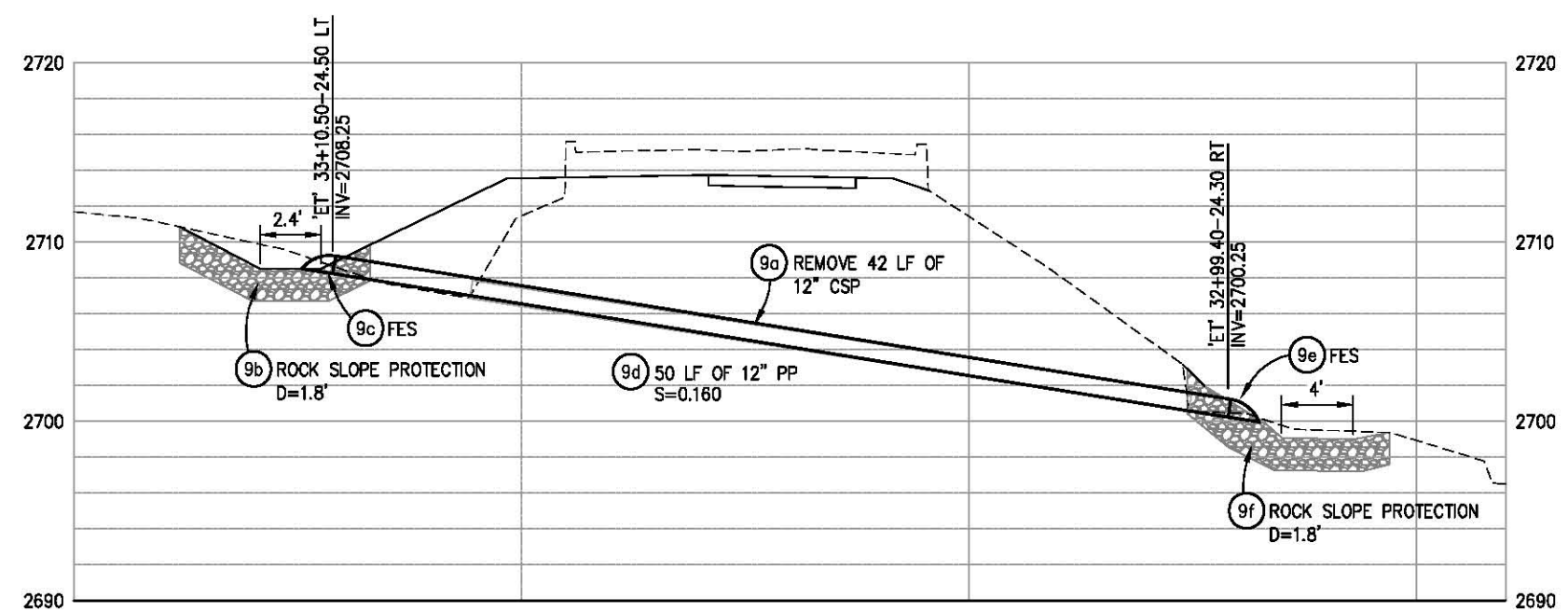
**EL DORADO TRAIL
LOS TRAMPAS TO HALCON**

SHEET
D-5
 22 OF 37
 W.O. No. 97012

ORIGINAL SCALE IS IN INCHES
 Drawing name: C:\Civil 3D Projects\97012 El Dorado Trail Los Trampas to Halcon\CADD Files\Sheets\0 Sheets.dwg Layout Tab: D-6 Feb 20, 2018 - 6:20am SMCvey
 FOR REDUCED PLANS



PLAN-SD SYSTEM 9
 SCALE: 1"=5' H,V

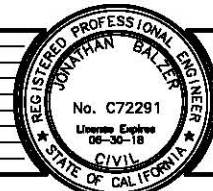


PROFILE-SD SYSTEM 9
 SCALE: 1"=5' H,V

GENERAL NOTES:
 1. ALL RSP SHALL RECEIVE RSP FABRIC (CLASS 8)

DRAINAGE LAYOUT
SCALE : AS SHOWN

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

 REGISTERED CIVIL ENGINEER
 DATE: 12/04/17

DESIGNED: JB
 DRAWN: SGM
 CHECKED: JB
 DATE: 03/14/17
 ROAD NUMBER: -

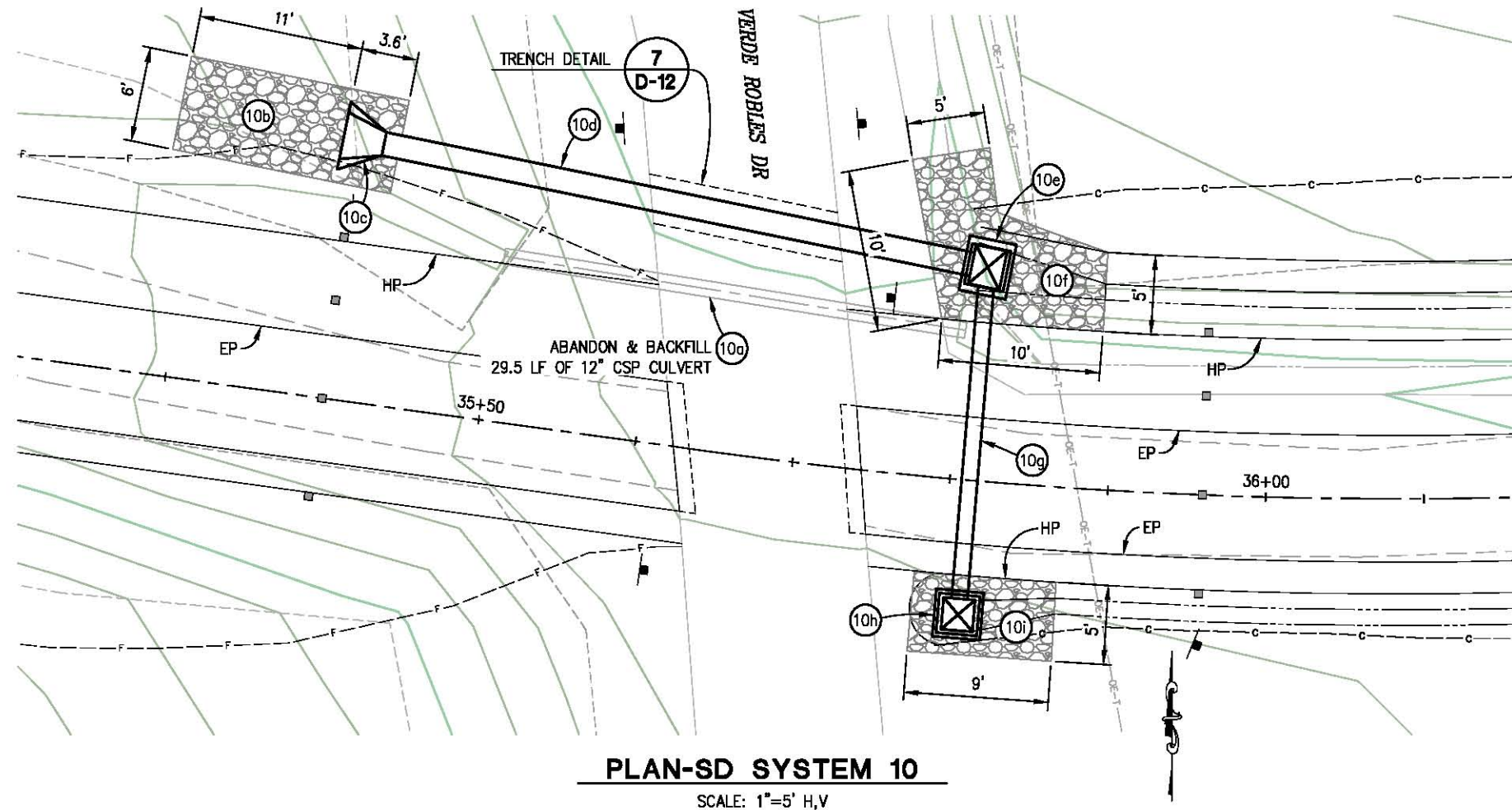


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

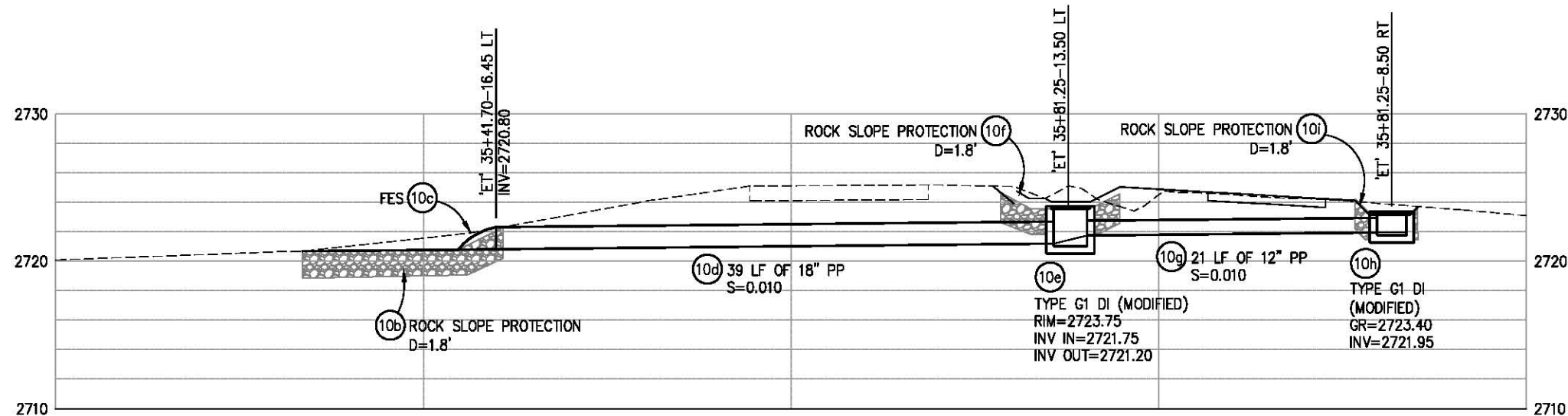
EL DORADO TRAIL
LOS TRAMPAS TO HALCON

SHEET
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 23 OF 37
 W.O. No. **97012**

ORIGINAL SCALE IS IN INCHES
 Drawing name: C:\Civil 3D\Projects\97012 El Dorado Trail Los Trampas to Halcon\CADD Files\Sheets\0 Sheets.dwg Layout Tab: D-7 Feb 20, 2018 - 6:20am SMCvey
 FOR REDUCED PLANS



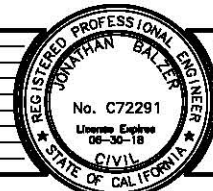
PLAN-SD SYSTEM 10
SCALE: 1"=5' H,V



PROFILE-SD SYSTEM 10
SCALE: 1"=5' H,V

GENERAL NOTES:
1. ALL RSP SHALL RECEIVE RSP FABRIC (CLASS 8)

DRAINAGE LAYOUT
SCALE : AS SHOWN



PREPARED UNDER THE SUPERVISION OF:
 [Signature]
 REGISTERED CIVIL ENGINEER
 DATE: 12/04/17

DESIGNED: JB
 DRAWN: SGM
 CHECKED: JB
 DATE: 03/14/17
 ROAD NUMBER: -

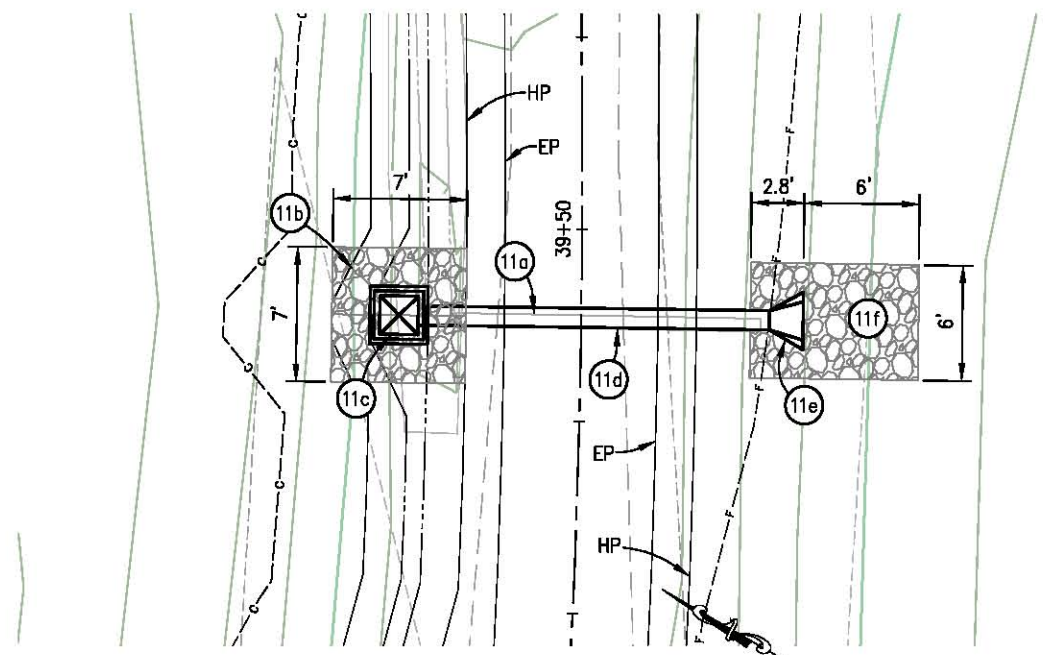


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

EL DORADO TRAIL
LOS TRAMPAS TO HALCON

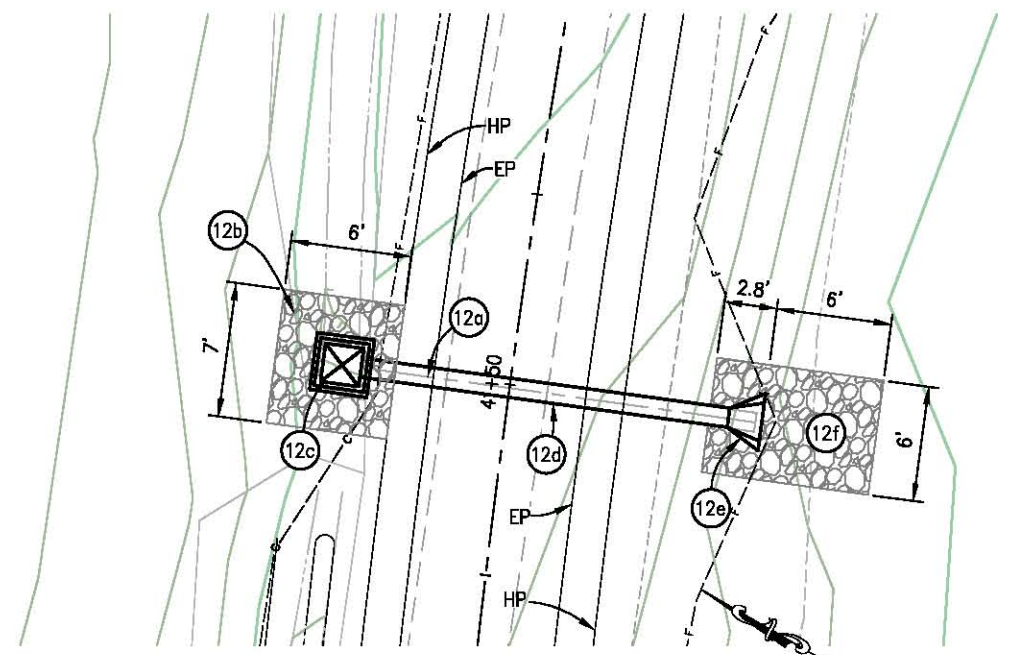
SHEET
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24 OF 37
W.O. No. **97012**

ORIGINAL SCALE IS IN INCHES
 Drawing name: C:\Civil 3D\Projects\97012 El Dorado Trail Los Trampas to Halcon\CADD Files\Sheets\0 Sheets.dwg Layout Tab: D-8 Feb 20, 2018 - 6:21am SMCley
 FOR REDUCED PLANS



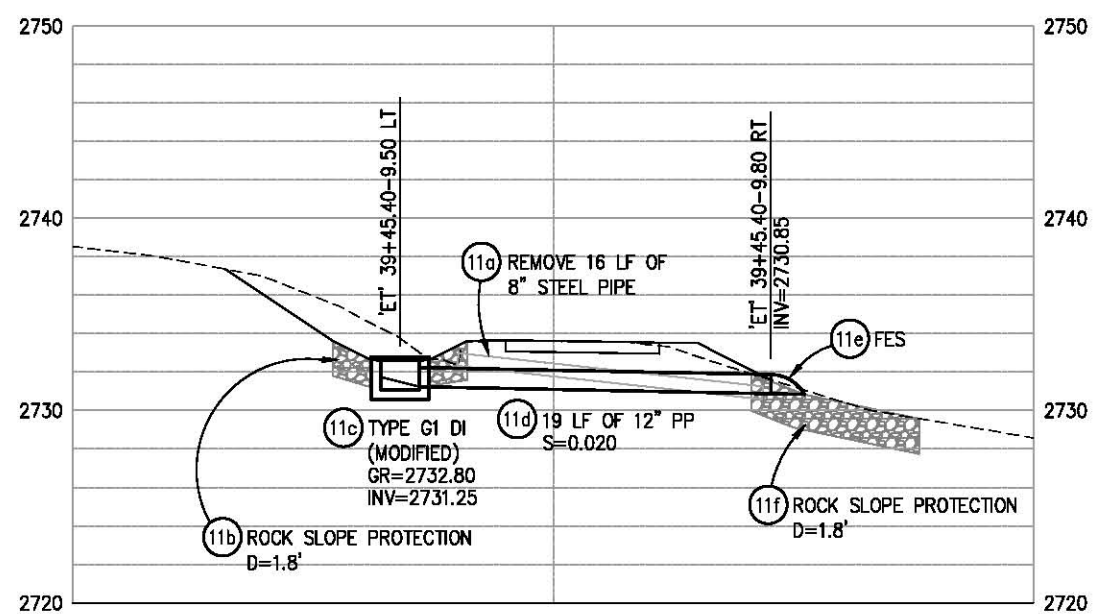
PLAN-SD SYSTEM 11

SCALE: 1"=5' H,V



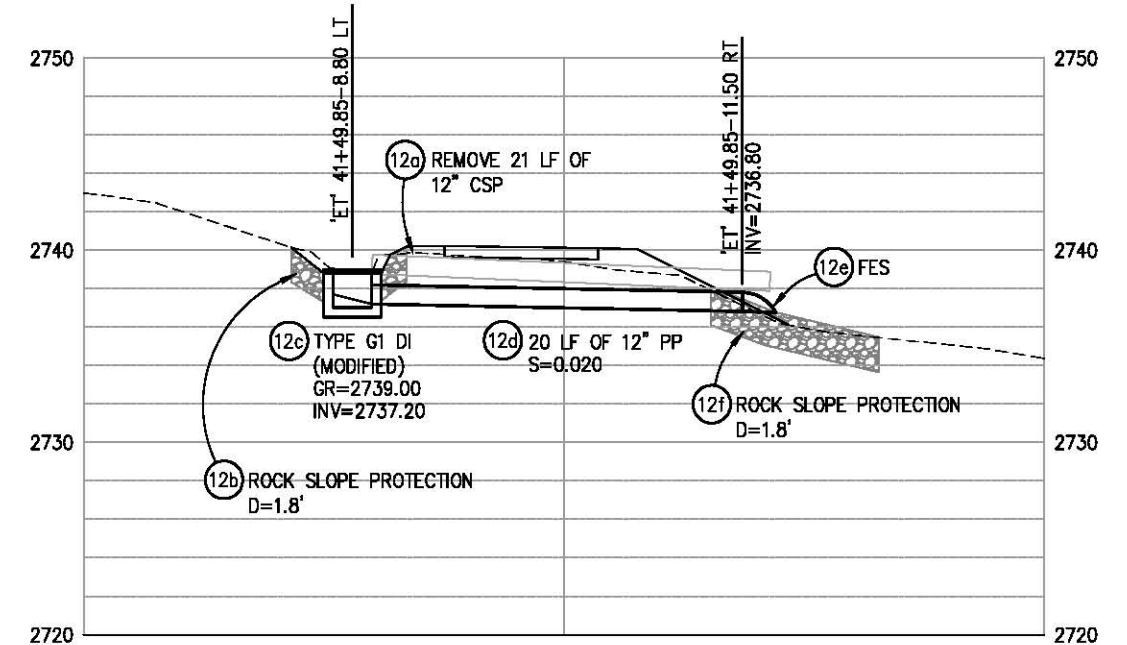
PLAN-SD SYSTEM 12

SCALE: 1"=5' H,V



PROFILE-SD SYSTEM 11

SCALE: 1"=5' H,V



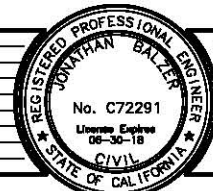
PROFILE-SD SYSTEM 12

SCALE: 1"=5' H,V

- GENERAL NOTES:**
- ALL RSP SHALL RECEIVE RSP FABRIC (CLASS 8)

**DRAINAGE LAYOUT
SCALE : AS SHOWN**

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

 REGISTERED CIVIL ENGINEER
 DATE: 12/04/17

DESIGNED: JB
 DRAWN: SGM
 CHECKED: JB
 DATE: 03/14/17
 ROAD NUMBER: -

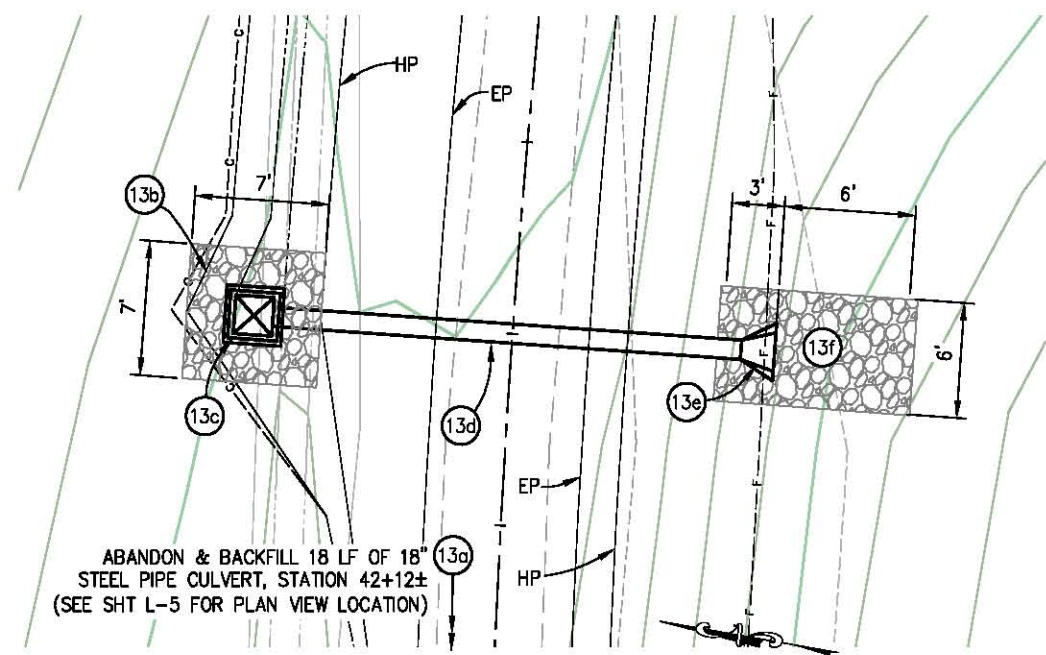


**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

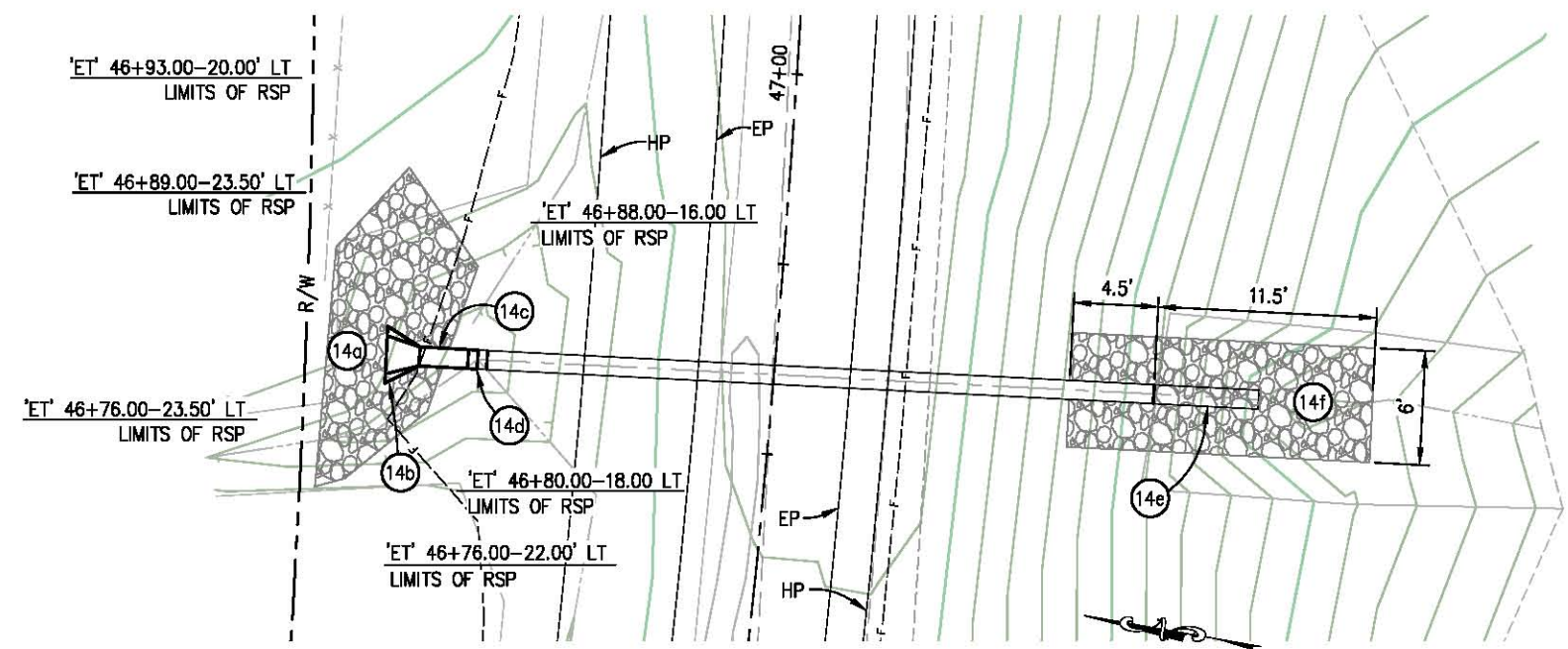
**EL DORADO TRAIL
LOS TRAMPAS TO HALCON**

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 25 OF 37
 W.O. No. 97012

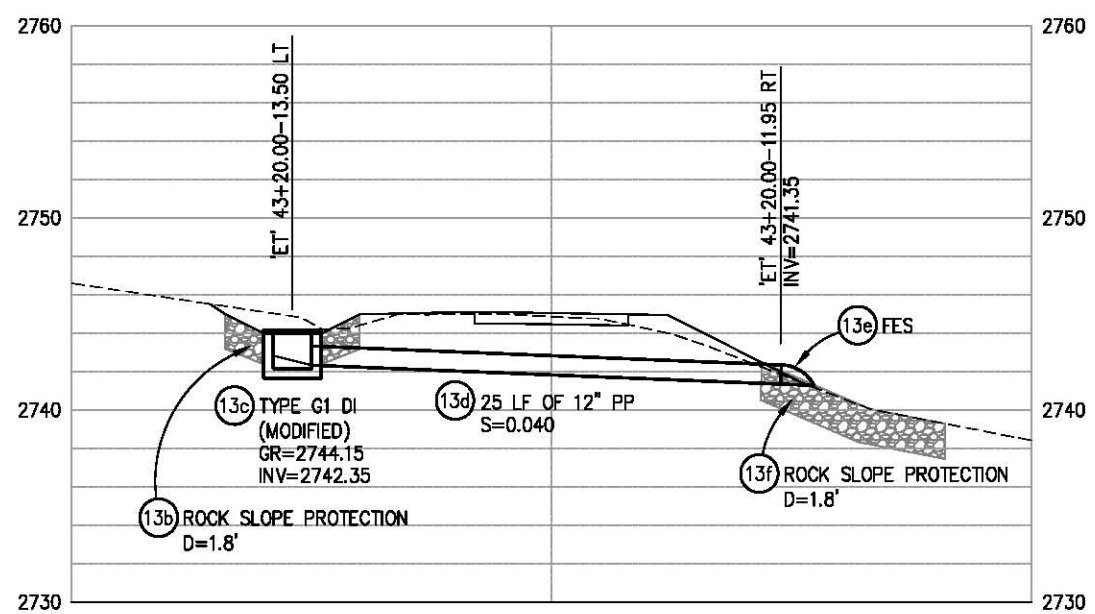
ORIGINAL SCALE IS IN INCHES
 Drawing name: C:\Civil 3D\Projects\97012 El Dorado Trail Los Trampas to Halcon\CADD\Files\Sheets\0 Sheets.dwg Layout Tab: D-9 Feb 20, 2018 - 6:21am SMCley
 FOR REDUCED PLANS
 2
 1
 0



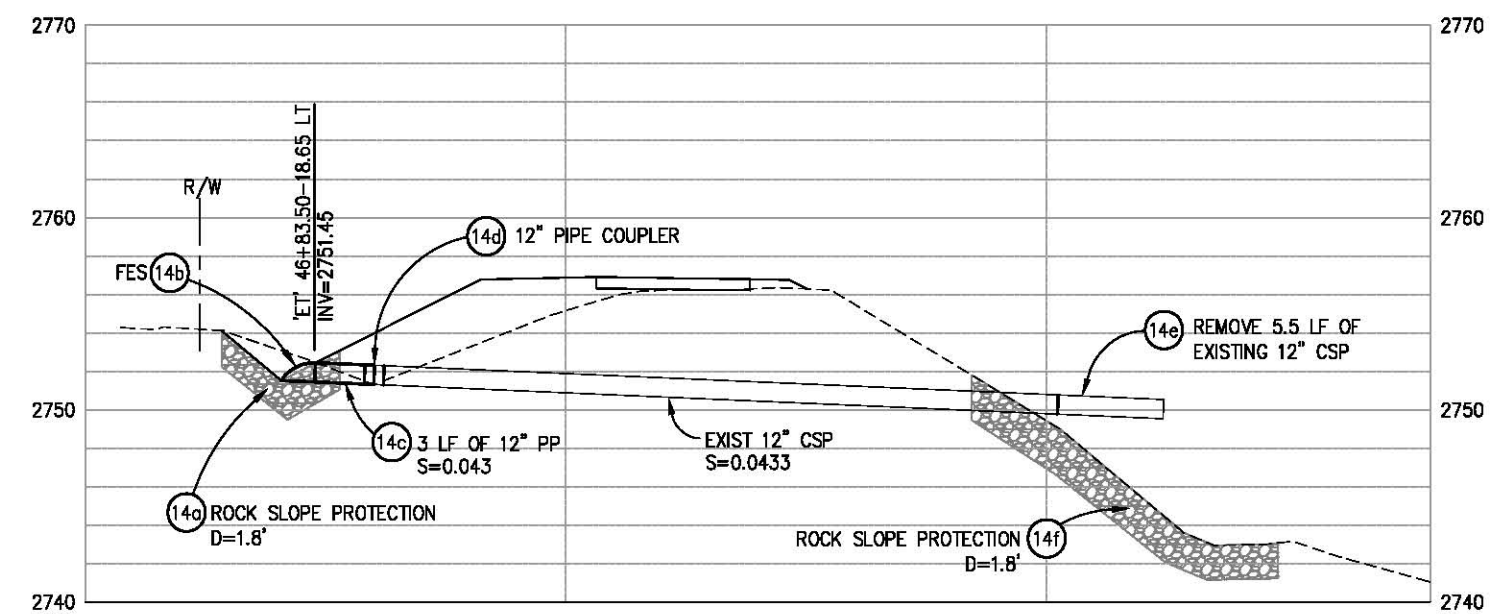
PLAN-SD SYSTEM 13
SCALE: 1"=5' H,V



PLAN-SD SYSTEM 14
SCALE: 1"=5' H,V



PROFILE-SD SYSTEM 13
SCALE: 1"=5' H,V

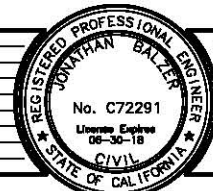


PROFILE-SD SYSTEM 14
SCALE: 1"=5' H,V

GENERAL NOTES:
 1. ALL RSP SHALL RECEIVE RSP FABRIC (CLASS 8)

DRAINAGE LAYOUT
SCALE: AS SHOWN

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
 [Signature]
 REGISTERED CIVIL ENGINEER
 DATE: 12/04/17

DESIGNED: JB
 DRAWN: SGM
 CHECKED: JB
 DATE: 03/14/17
 ROAD NUMBER: -

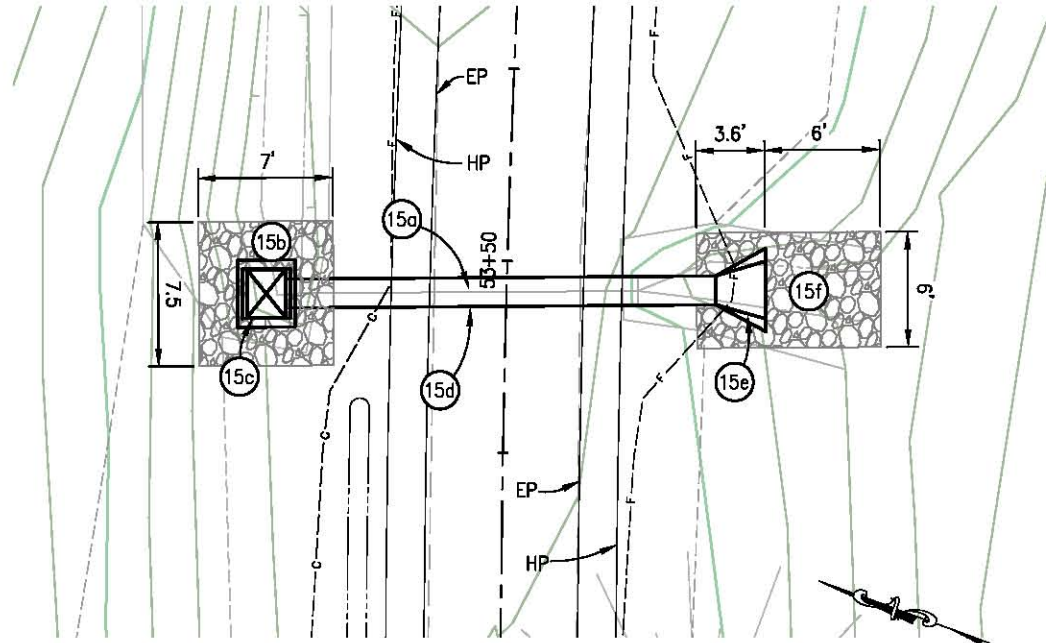


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

EL DORADO TRAIL
LOS TRAMPAS TO HALCON

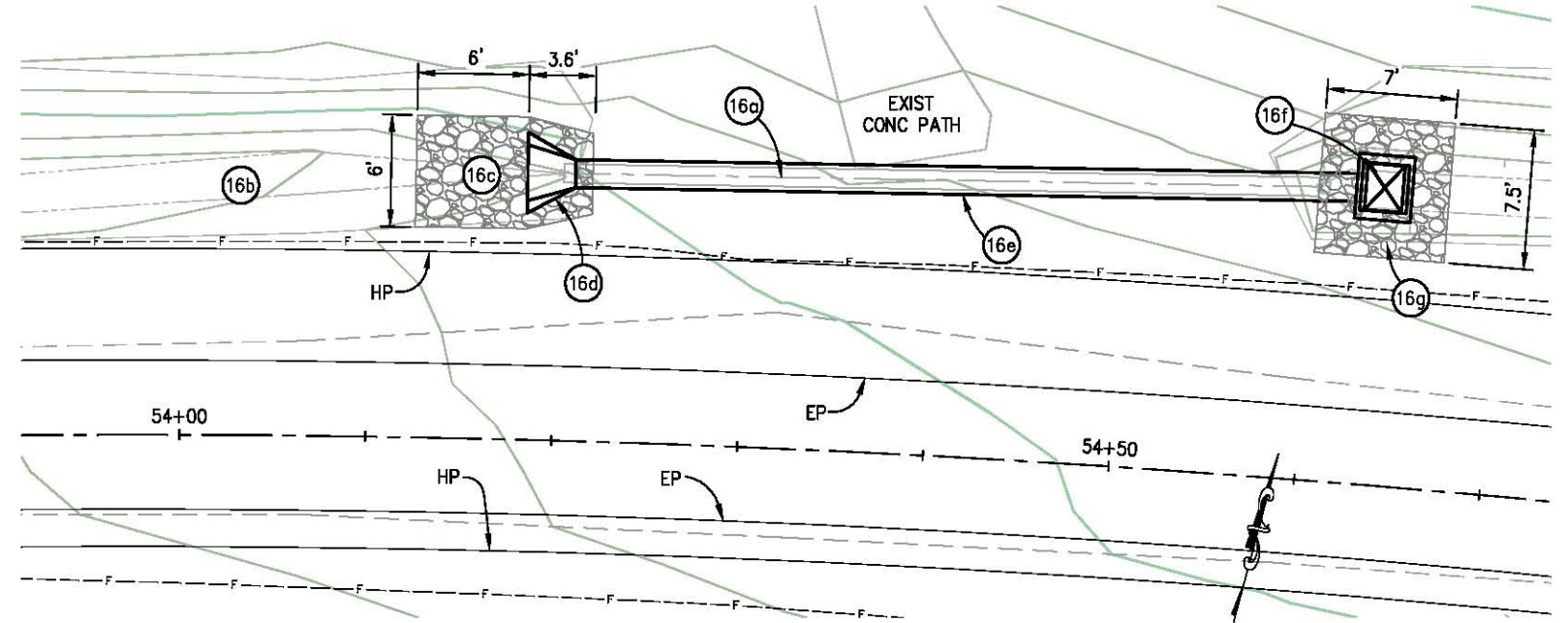
SHEET
D-9
26 OF 37
W.O. No. **97012**

ORIGINAL SCALE IS IN INCHES
 Drawing name: C:\Civil 3D\Projects\97012 El Dorado Trail Los Trampas to Halcon\CADD Files\Sheets\0 Sheets.dwg Layout Tab: D-10 Feb 20, 2018 -- 6:23am SMcVey
 FOR REDUCED PLANS
 2
 1
 0



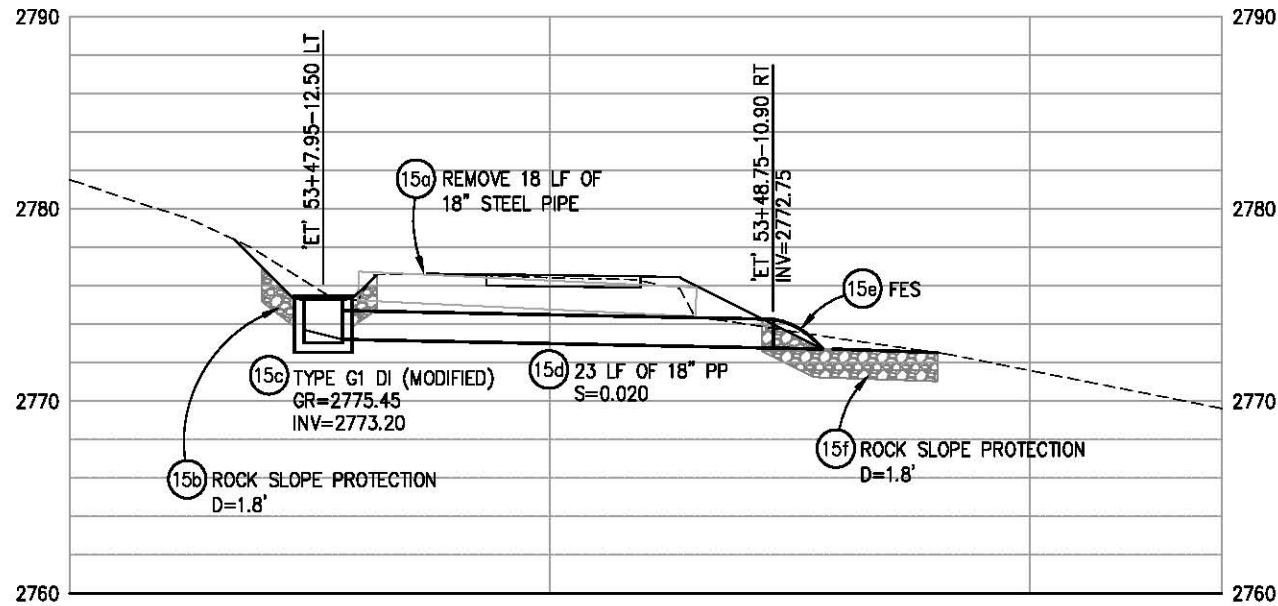
PLAN-SD SYSTEM 15

SCALE: 1"=5' H,V



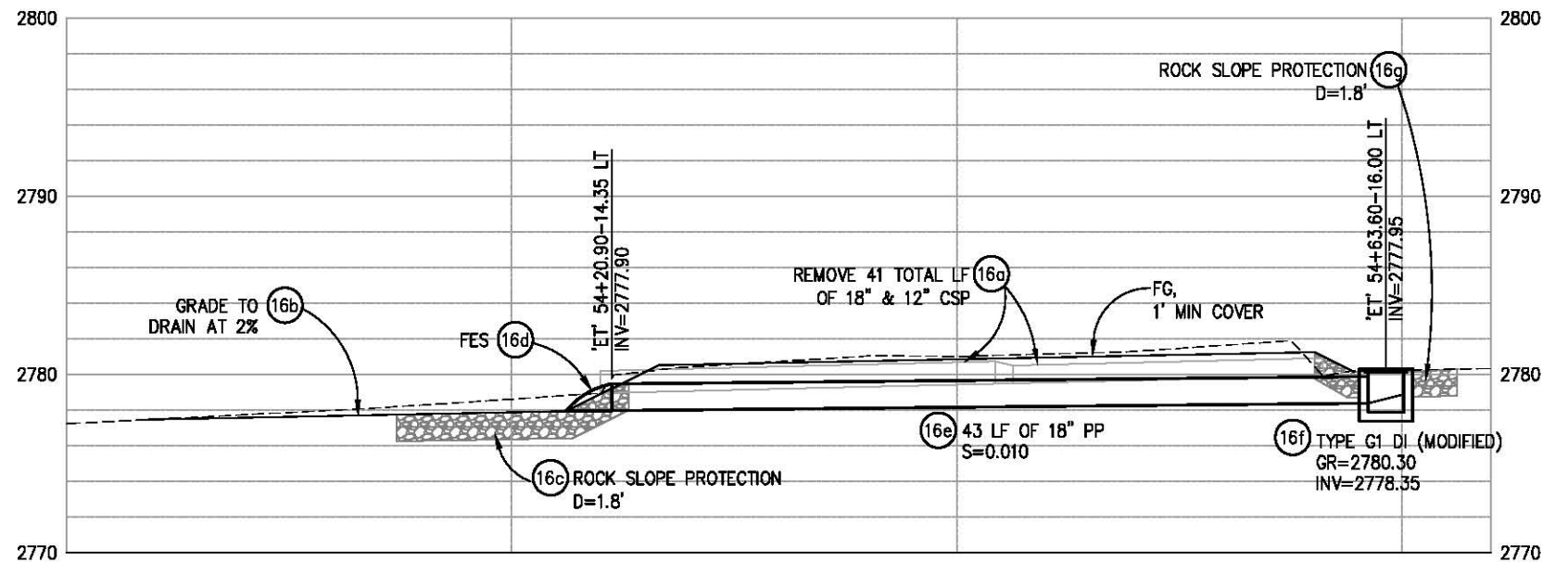
PLAN-SD SYSTEM 16

SCALE: 1"=5' H,V



PROFILE-SD SYSTEM 15

SCALE: 1"=5' H,V



PROFILE-SD SYSTEM 16

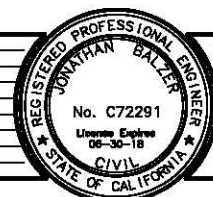
SCALE: 1"=5' H,V

GENERAL NOTES:

1. ALL RSP SHALL RECEIVE RSP FABRIC (CLASS 8)

**DRAINAGE LAYOUT
SCALE : AS SHOWN**

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF :

 REGISTERED CIVIL ENGINEER
 DATE: 12/04/17

DESIGNED: JOB SGM
 DRAWN: SGM
 CHECKED: JOB
 DATE: 03/14/17
 ROAD NUMBER: -

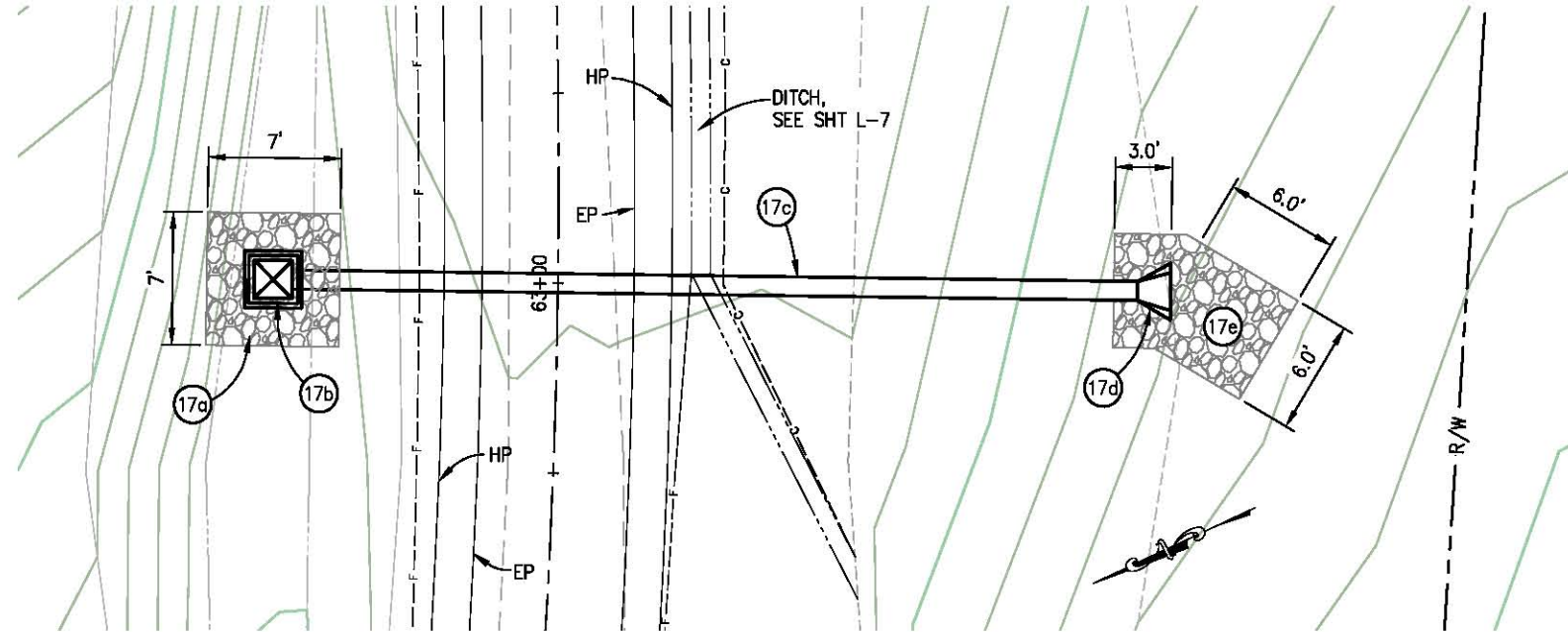


**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

**EL DORADO TRAIL
LOS TRAMPAS TO HALCON**

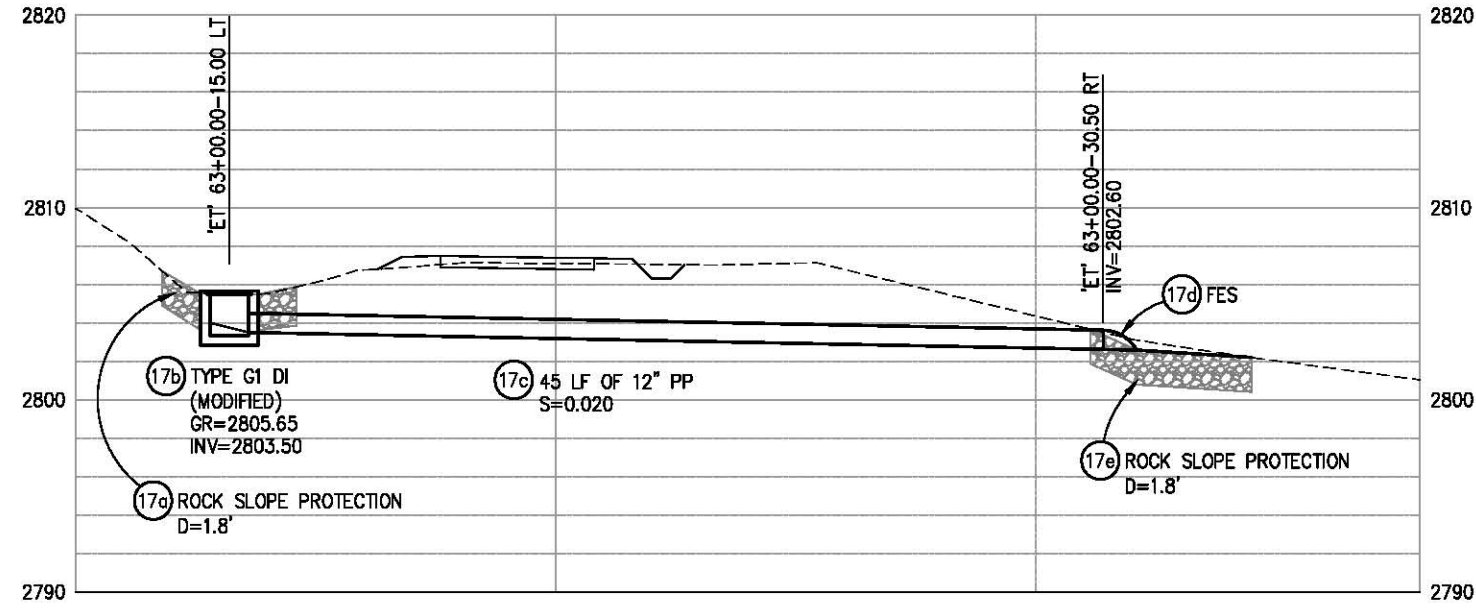
SHEET
D-10
 27 OF 37
 W.O. No. **97012**

ORIGINAL SCALE IS IN INCHES
 Drawing name: C:\Civil 3D\Projects\97012 El Dorado Trail Los Trampas to Halcon\CADD Files\Sheets\0 Sheets.dwg Layout Tab: D-11 Feb 20, 2018 - 6:23am SMC\ey



PLAN-SD SYSTEM 17

SCALE: 1"=5' H,V



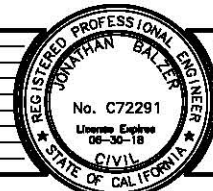
PROFILE-SD SYSTEM 17

SCALE: 1"=5' H,V

GENERAL NOTES:

- 1. ALL RSP SHALL RECEIVE RSP FABRIC (CLASS 8)

**DRAINAGE LAYOUT
SCALE : AS SHOWN**



PREPARED UNDER THE SUPERVISION OF :

 REGISTERED CIVIL ENGINEER
 DATE: 12/04/17

DESIGNED: JB
 DRAWN: SGM
 CHECKED: JB
 DATE: 03/14/17
 ROAD NUMBER: -

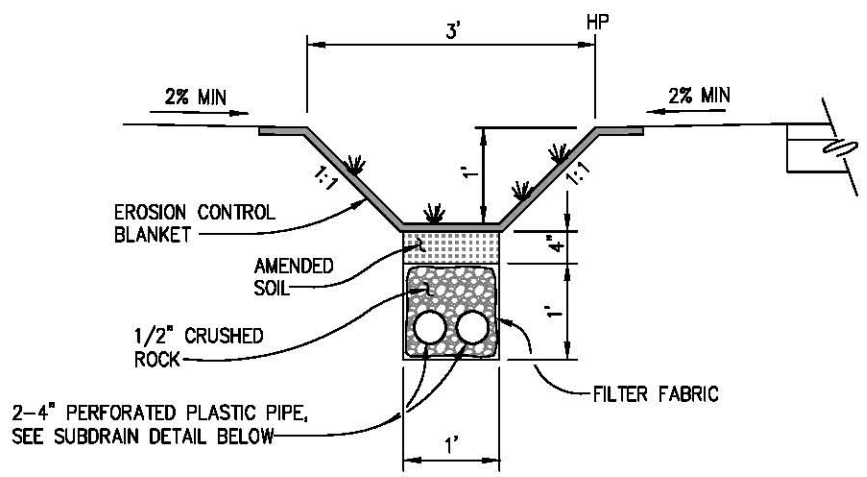


**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

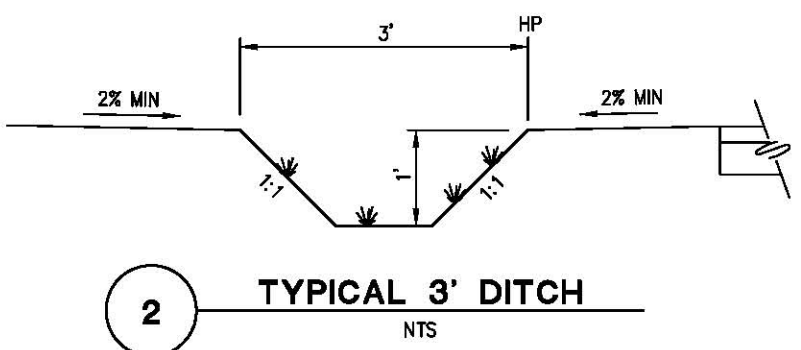
**EL DORADO TRAIL
LOS TRAMPAS TO HALCON**

SHEET
D-11
 28 OF 37
 W.O. No. **97012**

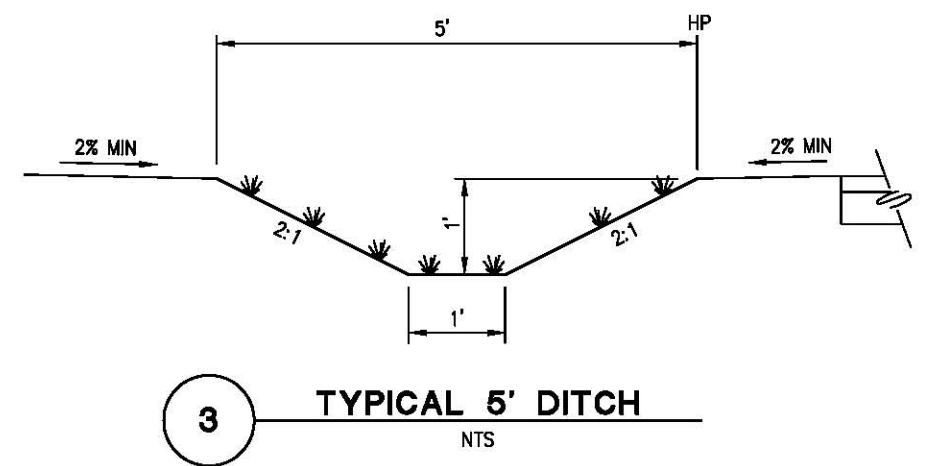
ORIGINAL SCALE IS IN INCHES
 Drawing name: C:\Civil 3D\Projects\97012 El Dorado Trail Los Trampas to Halcon\CADD Files\Sheets\0 Sheets.dwg
 Layout Tab: D-12 Feb 20 2018 - 6:24am SMC\vev
 FOR REDUCED PLANS
 2
 1
 0



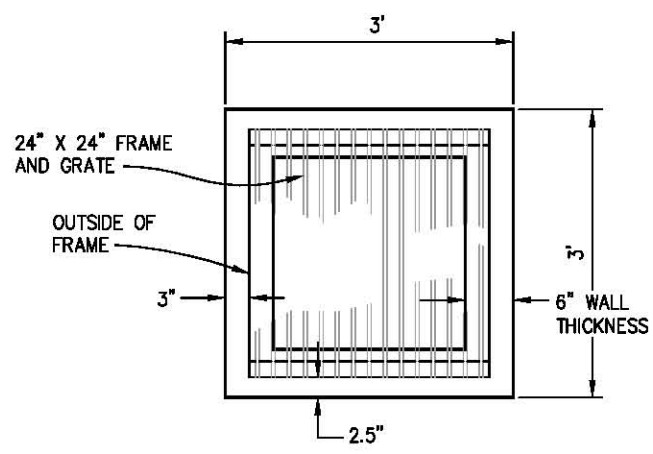
1 BIOSWALE DITCH
NTS



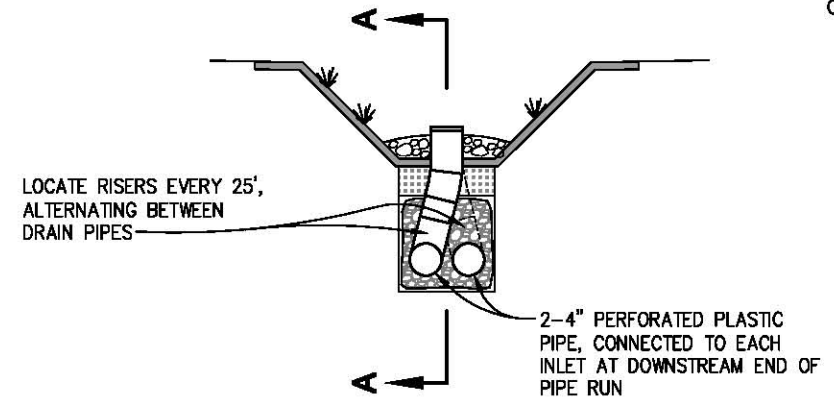
2 TYPICAL 3' DITCH
NTS



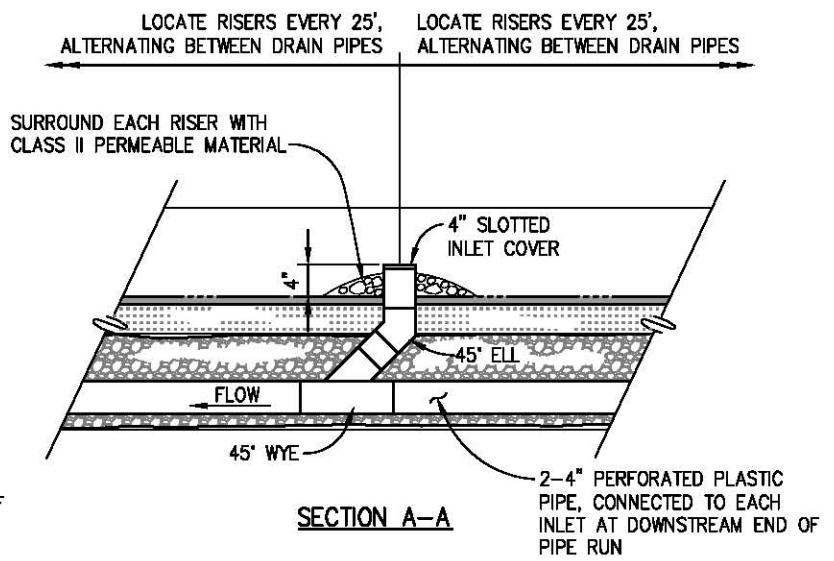
3 TYPICAL 5' DITCH
NTS



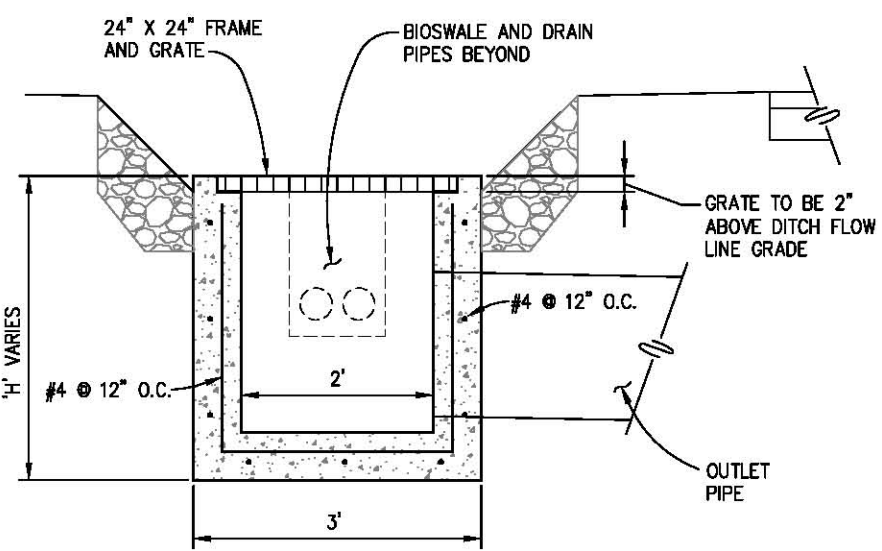
- NOTES:**
- 3' X 3' INLET (SHOWN) TO BE USED FOR 12" PIPES, 3' X 3.5' INLET TO BE USED FOR 18" PIPES.
 - PRECAST INLET MAY BE USED UPON APPROVAL
 - PRECAST TOP MAY BE USED UPON APPROVAL



5 TRENCH DETAIL FOR 12" & 18" HDPE ACROSS BIKEPATH
NTS

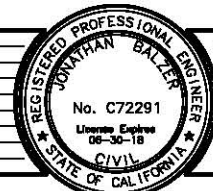


6 TRENCH DETAIL ACROSS VERDE ROBLES DR
NTS



7 TYPE G1 DRAINAGE INLET (MODIFIED)
NTS

DRAINAGE DETAILS
SCALE : AS SHOWN



PREPARED UNDER THE SUPERVISION OF:
 REGISTERED CIVIL ENGINEER
 DATE: 12/04/17

DESIGNED: JB
 DRAWN: SGM
 CHECKED: JB
 DATE: 03/14/17
 ROAD NUMBER: -



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

EL DORADO TRAIL
LOS TRAMPAS TO HALCON

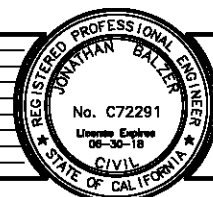
SHEET
D-12
 29 OF 37
 W.O. No. 97012

ORIGINAL SCALE IS IN INCHES
Drawing name: C:\Civil 3D\Projects\97012 El Dorado Trail Los Trampas to Halcon\CADD Files\Sheets\0 Sheets.dwg Layout Tab: D-13 Feb 20 2018 -- 6:24am SMC\vey

DRAINAGE PLAN SHEET NO.	DRAINAGE SYSTEM NO.	DRAINAGE UNIT	DRAINAGE INLET TYPE G1 (3'X3')	DRAINAGE INLET TYPE G1 (3'X3.5')	H INLET DEPTH [N]	12" PLASTIC PIPE	18" PLASTIC PIPE	12" FES (STEEL)	18" FES (STEEL)	RSP (FACING METHOD B)	RSP FABRIC (CLASS B)	ABANDON & BACKFILL CULVERT	REMOVE 8" STEEL PIPE [N]	REMOVE 12" CSP [N]	REMOVE 12" STEEL PIPE [N]	REMOVE 12" PLASTIC PIPE [N]	DESCRIPTION	STATION	DRAINAGE UNIT	DRAINAGE SYSTEM NO.	DRAINAGE PLAN SHEET NO.		
D-2	1	a	EA	EA	FT	LF								54			S=0.020		a	1	D-2		
		b																				b	
		c	1		2.1														'ET' 10+55.36-8.50 RT			c	
		d									130	16										d	
		e					21												S=0.020			e	
		f	1		2.1																	'ET' 10+69.10-8.50 LT	f
D-2	2	a																		a	2	D-2	
		b																		b			
		c	1		2.2										2.7					'ET' 17+37.60-7.50 LT			c
		d									87	12								d			
D-3	3	a																		a	3	D-3	
		b																		b			
		c	1		2.2											10				'ET' 18+46.45-7.50 LT			c
		d					15													S=0.020			d
		e									58	8								e			
D-3	4	a																		a	4	D-3	
		b																		b			
		c	1		2.1															'ET' 19+07.95-8.30 LT			c
		d					20													S=0.020			d
		e									58	8								e			
D-4	5	a														10				a	5	D-4	
		b													6					b			
		c	1		2.1															'ET' 19+89.30-8.40 LT			c
		d					20													S=0.020			d
		e																		e			
		f							1		50	7								'ET' 19+87.25-12.00 RT			f
D-4	6	a																		a	6	D-4	
		b																		b			
		c	1		2.1															'ET' 20+43.40-8.50 LT			c
		d					19													S=0.020			d
		e																		e			
		f							1		65	8								'ET' 20+43.75-11.35 RT			f
D-5	7	a																		a	7	D-5	
		b																		b			
		c	1		2.1															'ET' 20+84.20-8.30 LT			c
		d					19													S=0.020			d
		e																		e			
		f							1		65	8								'ET' 20+81.80-11.00 RT			f
D-5	8	a																		a	8	D-5	
		b	1		2.8															'ET' 26+50.60-11.70 LT			b
		c					24													S=0.020			c
		d							1											'ET' 26+50.60-11.80 RT			d
		e									195	23								e			
		f											85.5							SEE SHT L-3, STA 'ET' ±28+25			f
D-6	9	a																		a	9	D-6	
		b																		b			
		c																		'ET' 33+10.50-24.50 LT			c
		d					50													S=0.160			d
		e							1											e			
		f									108	15								'ET' 32+99.40-24.30 RT			f
TOTAL			9	-		242	-	6	-	1810	232	86	19	136	10	10							

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

DRAINAGE QUANTITIES
SCALE : NONE



PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
DATE: 12/04/17

DESIGNED: JB
DRAWN: SGM
CHECKED: JB
DATE: 03/14/17
ROAD NUMBER: -



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

EL DORADO TRAIL
LOS TRAMPAS TO HALCON

SHEET
D-13
30 of 37
W.O. No. 97012

ORIGINAL SCALE IS IN INCHES
 Drawing name: C:\Civil 3D Projects\97012 El Dorado Trail Los Trampas to Halcon\CADD Files\Sheets\0 Sheets.dwg Layout Tab: D-14 Feb 20/2018 -- 6:25am SMcVey
 FOR REDUCED PLANS

DRAINAGE PLAN SHEET NO.	DRAINAGE SYSTEM NO.	DRAINAGE UNIT	DRAINAGE INLET TYPE G1 (3'X3')	DRAINAGE INLET TYPE G1 (3'X3.5')	H INLET DEPTH [N]	12" PLASTIC PIPE	18" PLASTIC PIPE	12" FES (STEEL)	18" FES (STEEL)	12" PIPE COUPLER	RSP (FACING METHOD B)	RSP FABRIC (CLASS B)	ABANDON & BACKFILL CULVERT	MINOR GRADING [N]	REMOVE 8" STEEL PIPE [N]	REMOVE 12" CSP [N]	REMOVE 18" CSP [N]	REMOVE 18" STEEL PIPE [N]	DESCRIPTION	STATION	DRAINAGE UNIT	DRAINAGE SYSTEM NO.	DRAINAGE PLAN SHEET NO.		
D-7	10	a	EA	EA	FT	LF	LF	EA	EA	EA	CF	SY	29.5							SEE PLAN, SHT D-7	a	10	D-7		
		b										162	20											b	
		c								1											'ET' 35+41.70-16.45 LT			c	
		d						39												S=0.010				d	
		e		1	2.8																'ET' 35+81.25-13.50 LT			e	
		f										140	15											f	
		g					21														S=0.010				g
		h	1		1.7																			'ET' 35-81.25-8.50 RT	h
		i										81	11											i	
D-8	11	a													16						a	11	D-8		
		b									88	12												b	
		c	1		1.8																'ET' 39+45.40-9.50 LT			c	
		d				19															S=0.020				d
		e							1												'ET' 39+45.40-9.80 RT			e	
D-8	12	a														21					a	12	D-8		
		b																						b	
		c	1		2.0							76	10								'ET' 41+49.85-8.80 LT			c	
		d				20															S=0.020				d
		e							1												'ET' 41+49.85-11.50 RT			e	
D-9	13	a											18								SEE PLAN, SHT D-9	a	13	D-9	
		b																				b			
		c	1		2.1																'ET' 43+20.00-13.50 LT	c			
		d				25															S=0.040				d
		e							1												'ET' 43+20.00-11.95 RT	e			
D-9	14	a																			SEE PLAN, SHT D-9	a	14	D-9	
		b																				b			
		c						3													'ET' 46+83.50-18.65 LT	c			
		d								1											S=0.043				d
		e														5.5						e			
D-10	15	a																18			a	15	D-10		
		b																						b	
		c		1	2.5							76	10								'ET' 53+47.95-12.50 LT			c	
		d					23														S=0.020				d
		e								1											'ET' 53+48.75-10.90 RT			e	
D-10	16	a																41		COMPRISED OF 18" AND 12" CSP, LENGTH OF EACH UNKNOWN	a	16	D-10		
		b												2										b	
		c										108	15								'ET' 54+20.90-14.35 LT			c	
		d																			S=0.010				d
		e						43													'ET' 54+63.60-16.00 RT			e	
D-11	17	a																			a	17	D-11		
		b	1																		'ET' 63+00.00-15.00 LT			b	
		c				45															S=0.020				c
		d							1												'ET' 63+00.00-30.50 RT			d	
		e										98	13											e	
TOTAL			5	3		133	105	5	3	1	1817	234	48	2	16	27	41	18							

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

DRAINAGE QUANTITIES SCALE : NONE



PREPARED UNDER THE SUPERVISION OF:
 [Signature]
 REGISTERED CIVIL ENGINEER
 DATE: 12/04/17

DESIGNED: JB
 DRAWN: SGM
 CHECKED: JB
 DATE: 03/14/17
 ROAD NUMBER: -



COUNTY OF EL DORADO
 DEPARTMENT OF TRANSPORTATION

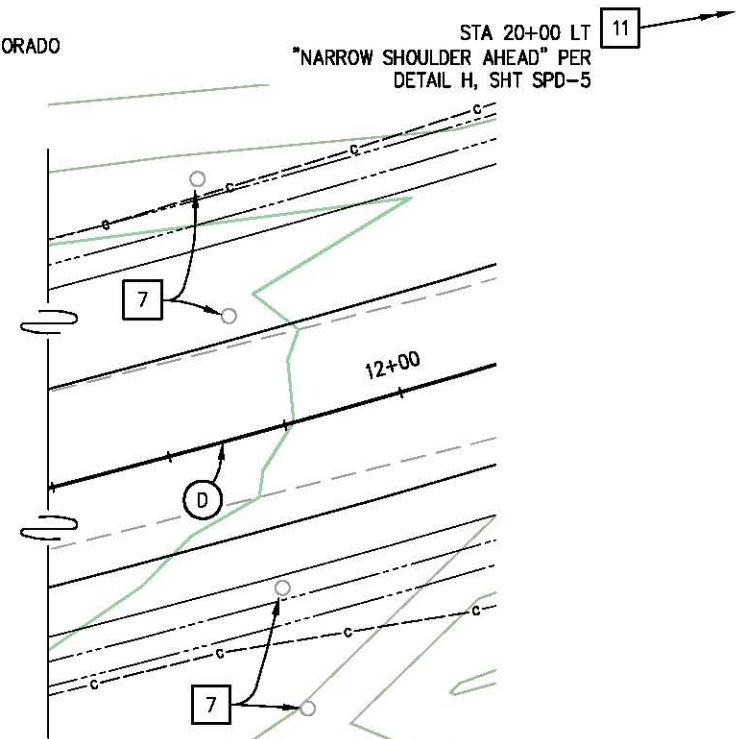
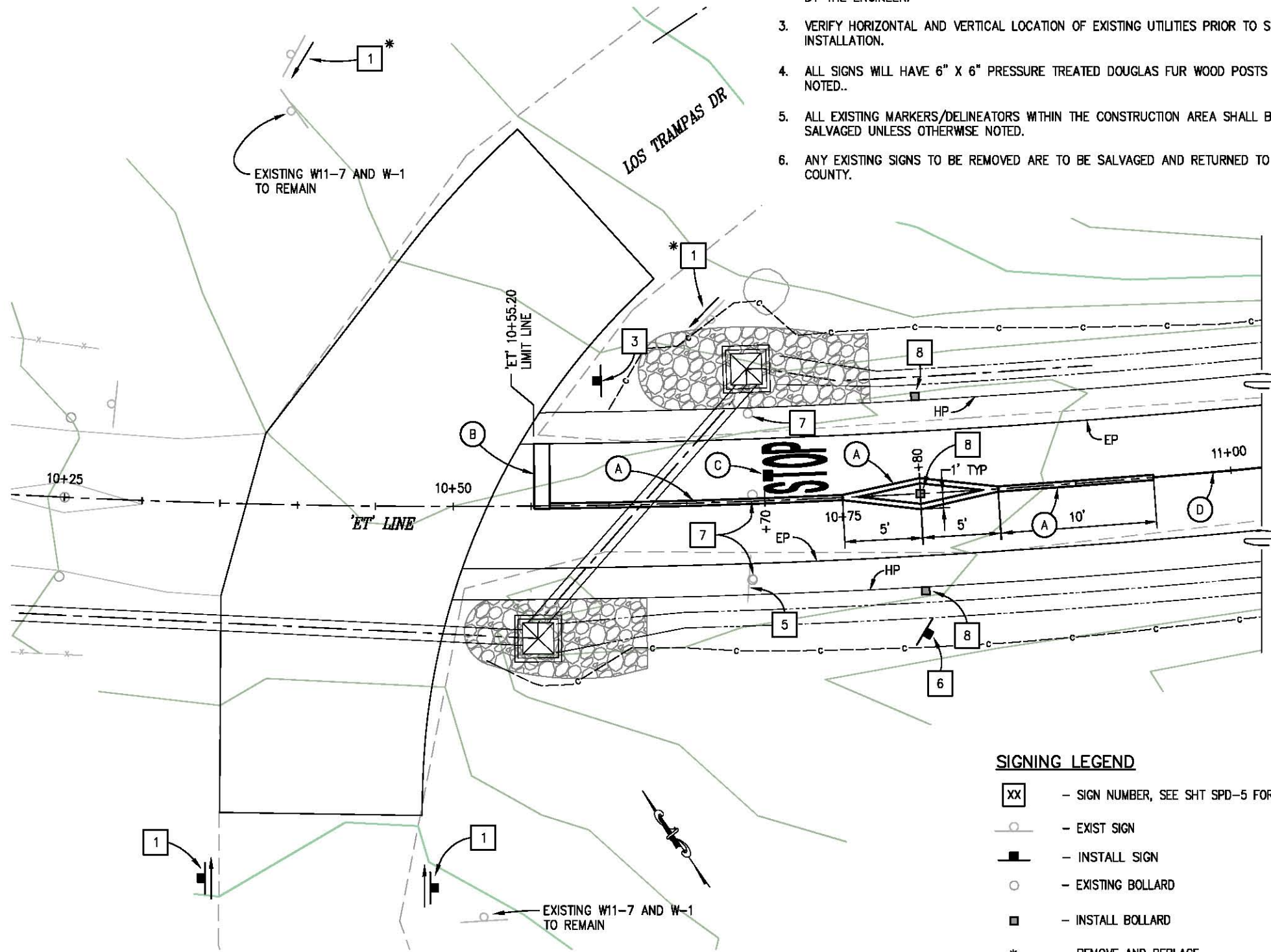
EL DORADO TRAIL
 LOS TRAMPAS TO HALCON

SHEET
 D-14
 31 OF 37
 W.O. No. 97012

ORIGINAL SCALE IS IN INCHES
Drawing name: C:\Civil 3D Projects\97012 El Dorado Trail Los Trampas to Halcon\Sheets\SPD Sheets.dwg Layout Tab: SPD-1 Feb 20, 2018 - 6:26am SMekey

GENERAL NOTES:

1. SEE SPD-5 FOR SIGN, BOLLARD, STRIPING, AND PAVEMENT MARKING LOCATION DETAILS
2. LOCATIONS OF SIGNS SHOWN ARE APPROXIMATE. EXACT LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
3. VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES PRIOR TO SIGN POST INSTALLATION.
4. ALL SIGNS WILL HAVE 6" X 6" PRESSURE TREATED DOUGLAS FIR WOOD POSTS UNLESS OTHERWISE NOTED..
5. ALL EXISTING MARKERS/DELINEATORS WITHIN THE CONSTRUCTION AREA SHALL BE REMOVED AND SALVAGED UNLESS OTHERWISE NOTED.
6. ANY EXISTING SIGNS TO BE REMOVED ARE TO BE SALVAGED AND RETURNED TO EL DORADO COUNTY.



**INTERSECTION DETAIL
LOS TRAMPAS**
SCALE: 1"=4'

SIGNING LEGEND

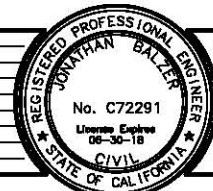
- XX - SIGN NUMBER, SEE SHT SPD-5 FOR DETAILS
- - EXIST SIGN
- - INSTALL SIGN
- - EXISTING BOLLARD
- - INSTALL BOLLARD
- * - REMOVE AND REPLACE
- - DIRECTION OF ARROW ON SIGN

CONSTRUCTION NOTES:

- (A) - 4" SOLID YELLOW STRIPE PAINTED PER DIMENSIONS SHOWN
- (B) - 1' WIDE X 4' WHITE PAINTED LIMIT LINE
- (C) - "STOP" LEGEND (H=44", W=32")
- (D) - DASHED CENTERLINE STRIPING PER DETAIL 'G', SHT SPD-4

THIS SHEET ACCURATE FOR SIGNING AND PAVEMENT DELINEATION WORK ONLY

**SIGNING AND PAVEMENT DELINEATION
SCALE : AS SHOWN**



PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
DATE: 12/04/17

DESIGNED: JB
DRAWN: SGM
CHECKED: JB
DATE: 03/14/17
ROAD NUMBER: -

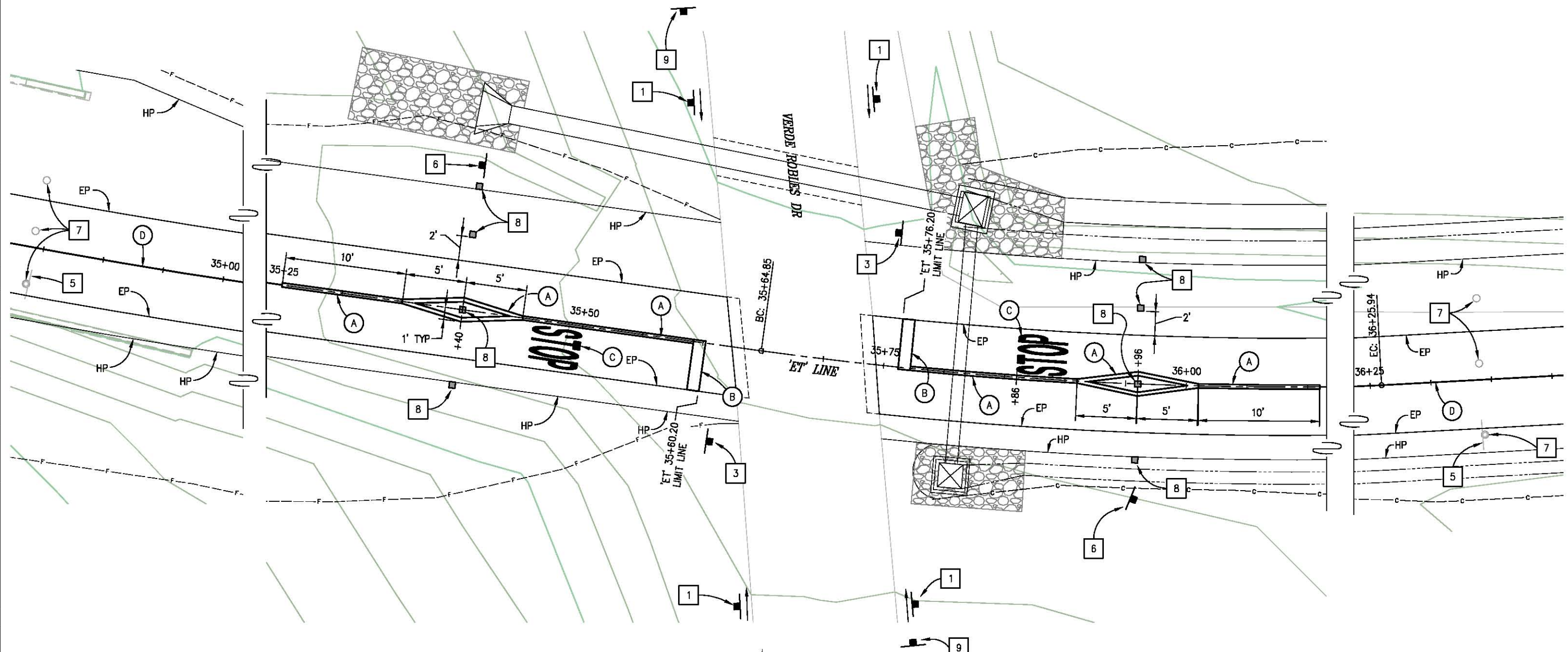


**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

**EL DORADO TRAIL
LOS TRAMPAS TO HALCON**

SHEET
SPD-1
32 OF 37
W.O. No. 97012

ORIGINAL SCALE IS IN INCHES
 Drawing name: C:\Civil 3D Projects\97012 El Dorado Trail Los Trampas to Halcon\Drawings\SPD-Sheets.dwg Layout Tab: SPD-2 Feb 20, 2018 - 6:27am SMcVey



**INTERSECTION DETAIL
VERDE ROBLES**

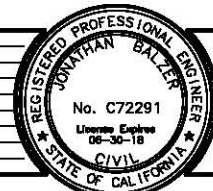
SCALE: 1"=4'

CONSTRUCTION NOTES:

- (A) - 4" SOLID YELLOW STRIPE PAINTED PER DIMENSIONS SHOWN
- (B) - 1' WIDE X 4' WHITE PAINTED LIMIT LINE
- (C) - "STOP" LEGEND (H=44", W=32")
- (D) - DASHED CENTERLINE STRIPING PER DETAIL 'G', SHT SPD-4

THIS SHEET ACCURATE FOR SIGNING AND PAVEMENT DELINEATION WORK ONLY

**SIGNING AND PAVEMENT DELINEATION
SCALE : AS SHOWN**



PREPARED UNDER THE SUPERVISION OF:

 REGISTERED CIVIL ENGINEER
 DATE: 12/04/17

DESIGNED: J.B. SGM
 DRAWN: SGM
 CHECKED: J.B. SGM
 DATE: 03/14/17
 ROAD NUMBER: -



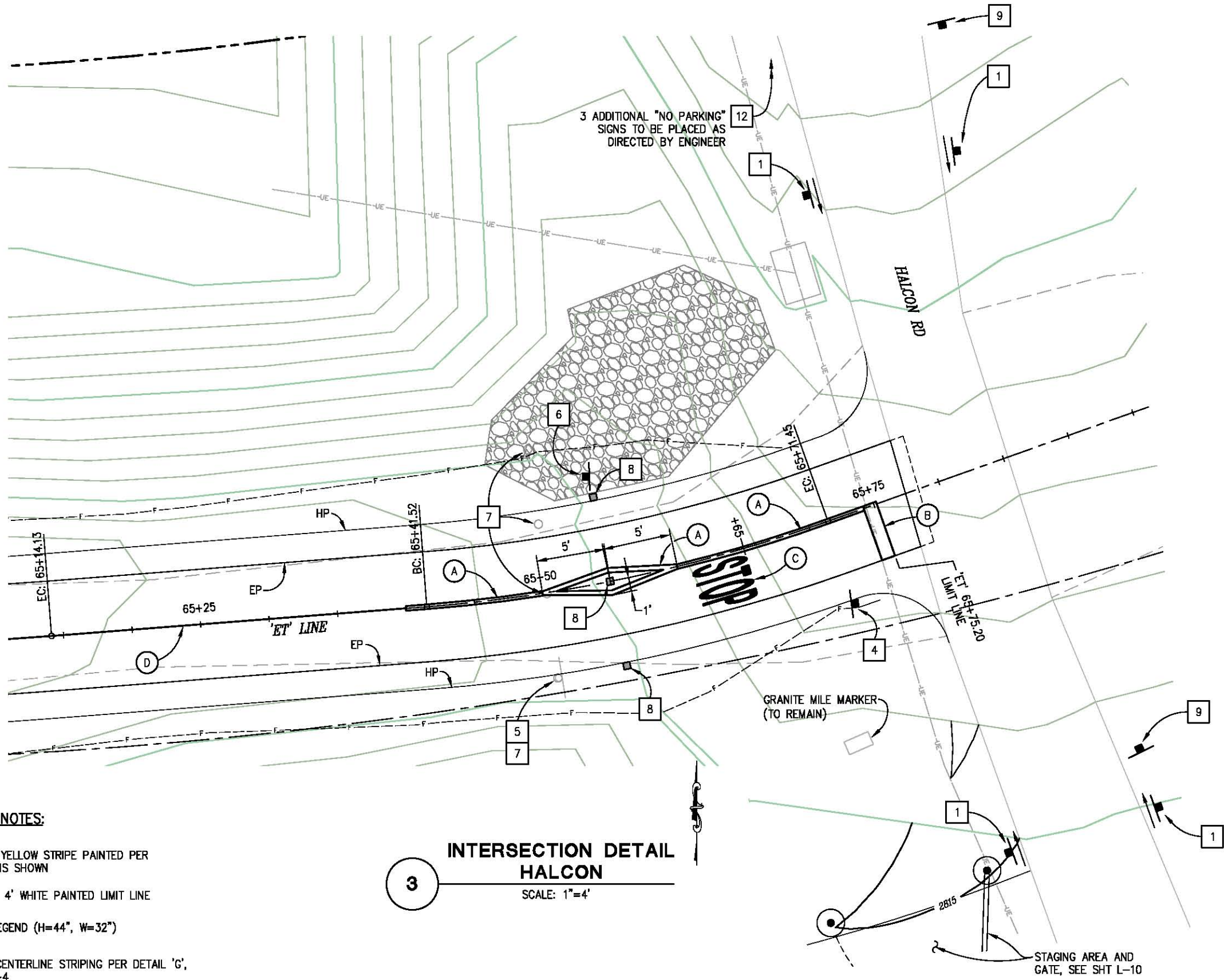
**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

**EL DORADO TRAIL
LOS TRAMPAS TO HALCON**

SHEET
SPD-2
 33 OF 37
 W.O. No. 97012

REVISION	NUMBER	DATE	DESCRIPTION	BY

ORIGINAL SCALE IS IN INCHES
 Drawing name: C:\Civil 3D\Projects\97012 El Dorado Trail Los Trampas to Halcon\CADD Files\Sheets\SPD_Sheets.dwg Layout Tab: SPD-3 Feb 20, 2018 - 6:27am SMcVey



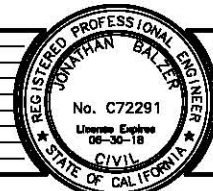
CONSTRUCTION NOTES:

- (A) — 4" SOLID YELLOW STRIPE PAINTED PER DIMENSIONS SHOWN
- (B) — 1' WIDE X 4' WHITE PAINTED LIMIT LINE
- (C) — "STOP" LEGEND (H=44", W=32")
- (D) — DASHED CENTERLINE STRIPING PER DETAIL 'G', SHT SPD-4

3
INTERSECTION DETAIL HALCON
 SCALE: 1"=4'

THIS SHEET ACCURATE FOR SIGNING AND PAVEMENT DELINEATION WORK ONLY **SIGNING AND PAVEMENT DELINEATION SCALE : AS SHOWN**

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

 REGISTERED CIVIL ENGINEER
 DATE: 12/04/17

DESIGNED: JIB
 DRAWN: SGM
 CHECKED: JIB
 DATE: 03/14/17
 ROAD NUMBER: -

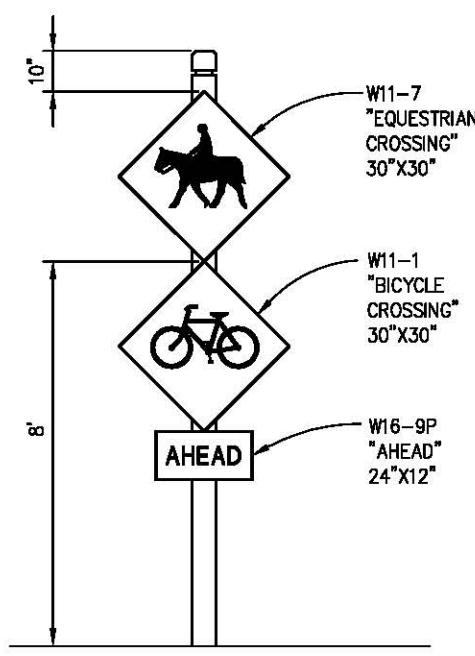


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

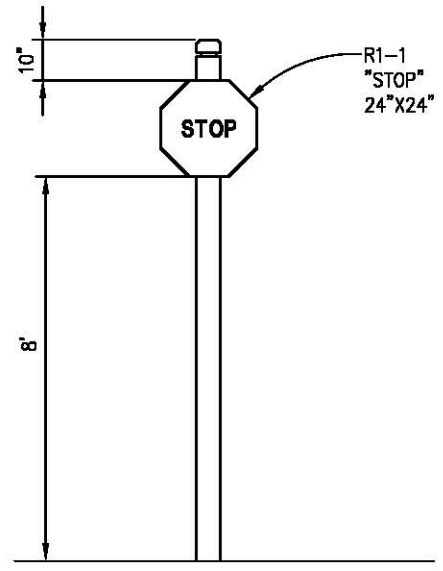
EL DORADO TRAIL
LOS TRAMPAS TO HALCON

SHEET
SPD-3
 34 OF 37
 W.O. No. **97012**

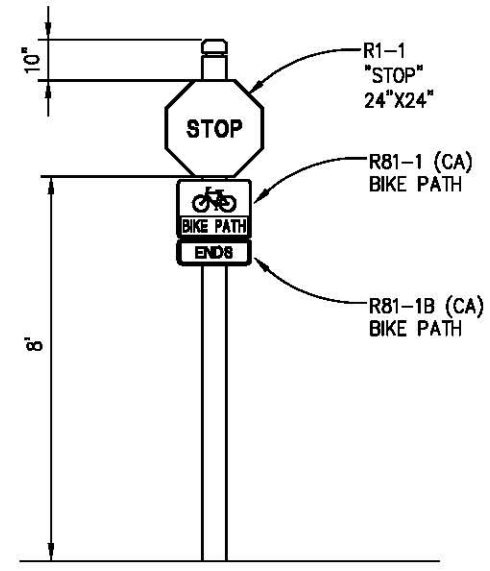
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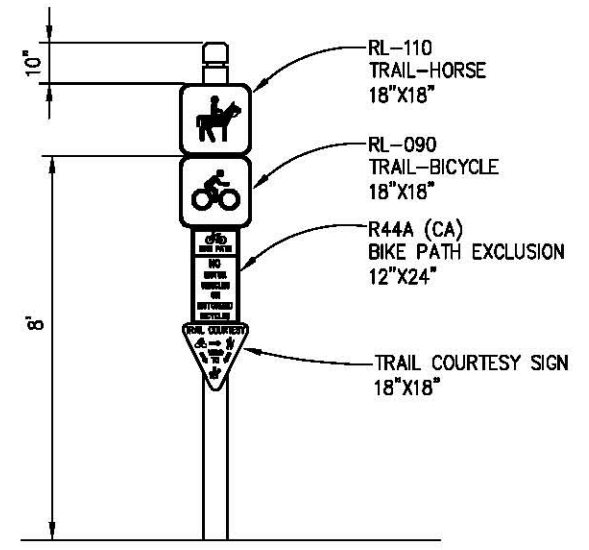
A HORSE/BIKE PATHWAY CROSSING
NTS



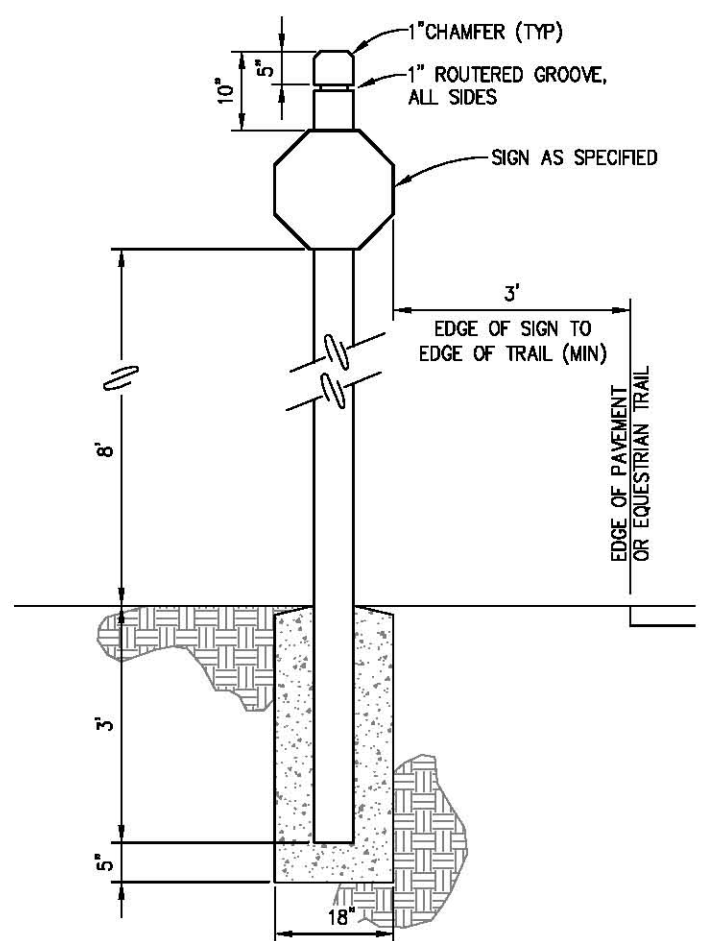
B PATHWAY STOP SIGN
NTS



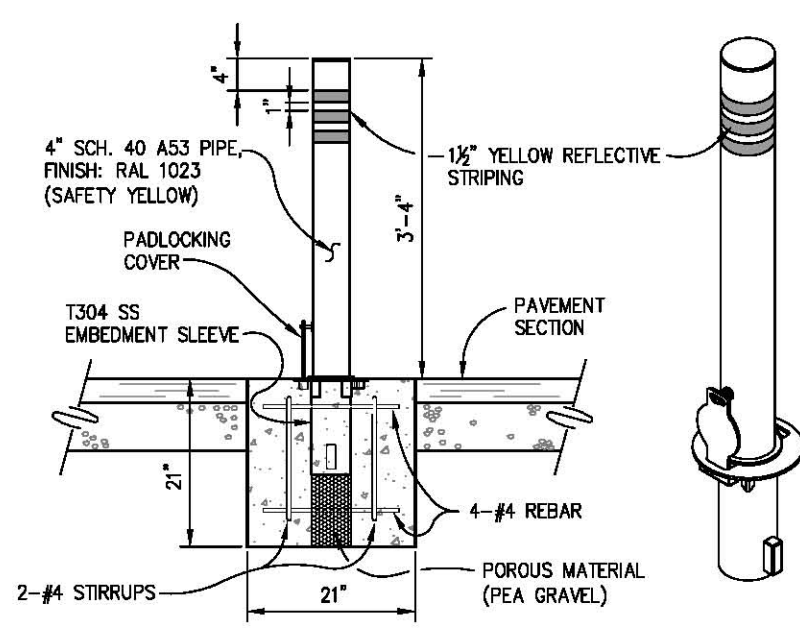
C PATHWAY STOP AND BIKE LANE ENDS SIGNING
NTS



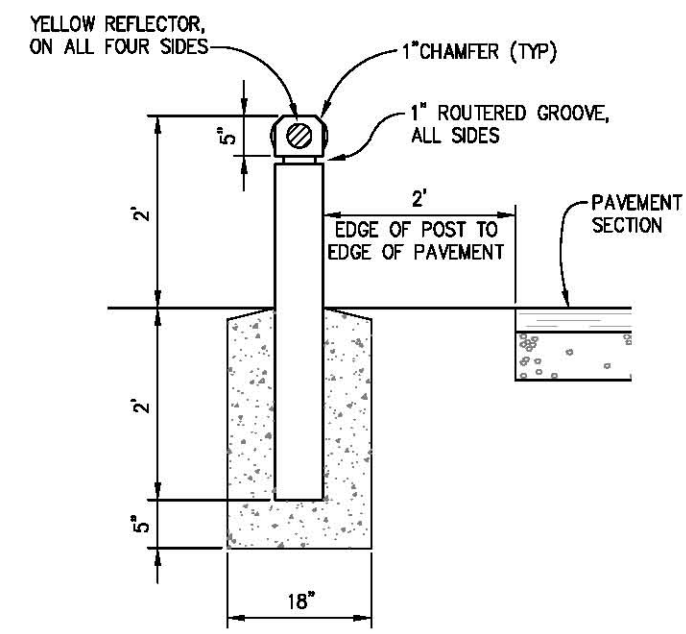
D HORSE/BIKE PATHWAY DESIGNATION SIGNING
NTS



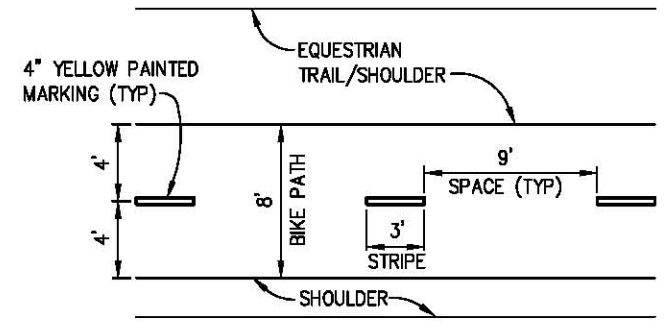
E SIGN POST DETAIL
NTS



F REMOVABLE CENTER BOLLARD DETAIL
NTS



G EDGE BOLLARD DETAIL
NTS

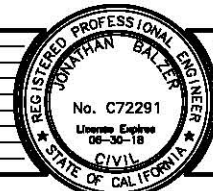


H DASHED CENTERLINE STRIPING DETAIL
NTS

GENERAL NOTES:

1. ALL SIGNS SHALL BE FABRICATED AND INSTALLED PER THE 2014 CALIFORNIA MUTCD.
2. ALL POSTS (SIGNS AND BOLLARDS) WILL BE 6" X 6" PRESSURE TREATED DOUGLAS FIR

**SIGNING DETAILS
SCALE : AS SHOWN**



PREPARED UNDER THE SUPERVISION OF:
 [Signature]
 REGISTERED CIVIL ENGINEER
 DATE: 12/04/17

DESIGNED: JB
 DRAWN: SGM
 CHECKED: JB
 DATE: 03/14/17
 ROAD NUMBER: -



**COUNTY OF EL DORADO
 DEPARTMENT OF TRANSPORTATION**

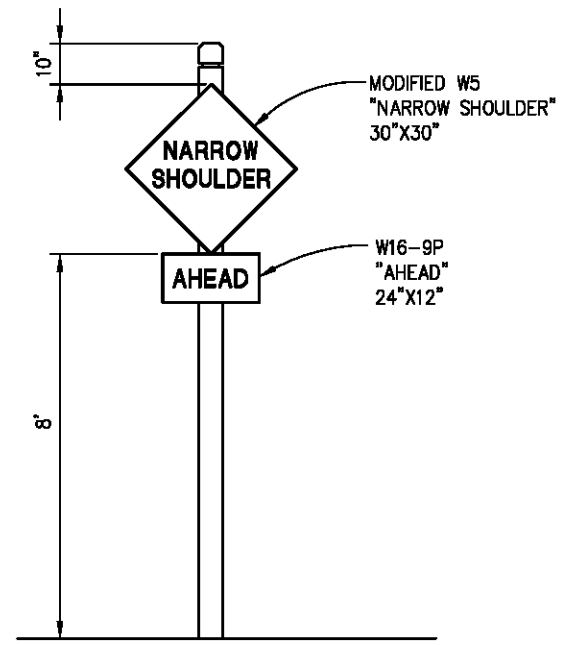
**EL DORADO TRAIL
 LOS TRAMPAS TO HALCON**

SHEET
SPD-4
 35 OF 37
 W.O. No. 97012

ORIGINAL SCALE IS IN INCHES
 Drawing name: C:\Civil 3D\Projects\97012 El Dorado Trail Los Trampas to Halcon\CADD Files\Sheets\SPD Sheets.dwg Layout Tab: SPD-5 Feb 20, 2018 6:28am SMC/ky

SIGN/BOLLARD QUANTITIES

SIGN NO.	SIGN OR BOLLARD	CALIFORNIA MUTCD CODE	PANEL SIZE (INCHES)	STEEL POST SIZE & LENGTH	WOOD POST SIZE & LENGTH	TRAIL SIGNS/BOLLARDS		EXISTING LOCATION	PROPOSED LOCATION (APPROXIMATELY)	REMARKS	
				3" X 2"	5.5" X 5.5"	ONE POST EA	REMOVE EA				
1	NO PARKING ANYTIME W/ ARROW, AND INFORMATIONAL SIGN MOUNTED BELOW	R28, INFORMATIONAL SIGN	12 X 18 12 X 18	14		1	1	'ET' 10+39 LT	'ET' 10+39 LT	REMOVE AND REPLACE IN SAME LOCATION, SEE DETAIL I, THIS SHEET	
				14		1	1	'ET' 10+67 LT	'ET' 10+67 LT		
				14		10				LOS TRAMPAS, VERDE ROBLES, HALCON RD	SEE DETAIL I THIS SHEET. LOCATIONS FOR EACH SIGN TO BE DETERMINED IN FIELD AND COORDINATED WITH ENGINEER
2	NOT USED										
3	STOP SIGN	R1	24 X 24			1		'ET' 10+60 LT	'ET' 10+60 LT	PER DETAIL B, SHT SPD-4	
						1		'ET' 35+62 RT	'ET' 35+62 RT		
						1		'ET' 35+75 LT	'ET' 35+75 LT		
4	STOP SIGN AND BIKEPATH ENDS	R1, R81-1, R81-1B	24 X 24 18 X 18 18 X 18		14	1		'ET' 65+71 RT	'ET' 65+71 RT	PER DETAIL C, SHT SPD-4	
5	TRAIL DESIGNATION CLUSTER	VARIES	VARIES								
						1		'ET' 10+89 RT	'ET' 10+89 RT		
						1		'ET' 34+83 RT	'ET' 34+83 RT		
						1		'ET' 36+34 RT	'ET' 36+34 RT		
6	TRAIL DESIGNATION CLUSTER	VARIES	VARIES								
						1		'ET' 10+80 RT	'ET' 10+80 RT	PER DETAIL D, SHT SPD-4	
						1		'ET' 35+40 LT	'ET' 35+40 LT		
						1		'ET' 35+96 RT	'ET' 35+96 RT		
7	BOLLARD										
						3		'ET' 10+69	'ET' 10+69		
						4		'ET' 11+94	'ET' 11+94		
						3		'ET' 34+83	'ET' 34+83		
8	BOLLARD										
						3		'ET' 36+34	'ET' 36+34		
						4		'ET' 65+50	'ET' 65+50		
						3					
9	HORSE/BIKE PATHWAY CROSSING	W11-7 W11-1 W16-9P	30 X 30 30 X 30 24 X 12								
						4		'ET' 10+80	'ET' 10+80	LOCATE CENTER AND EDGE BOLLARDS PER SPD LAYOUT SHEETS AND DETAIL E AND F, SHT SPD-4	
						4		'ET' 35+40	'ET' 35+40		
						4		'ET' 35+96	'ET' 35+96		
10	NARROW SHOULDER AHEAD	W5-1 W16-9P	30 X 30 24 X 12								
						1		'ET' 35+52 LT	'ET' 35+52 LT	LOCATIONS FOR EACH SIGN TO BE DETERMINED IN FIELD AND COORDINATED WITH ENGINEER. PER DETAIL A, SHT SPD-4	
						1		'ET' 35+81 RT	'ET' 35+81 RT		
						1		'ET' 65+92 LT	'ET' 65+92 LT		
11	NARROW SHOULDER AHEAD	W5-1 W16-9P	30 X 30 24 X 12								
						1		'ET' 65+89 RT	'ET' 65+89 RT		
						1		'ET' 20+00 LT	'ET' 20+00 LT	PER DETAIL H, SHT SPD-5	
						1					
12	NO PARKING ANYTIME W/ HOURS INDICATED	R30A	12 X 18	14		3		HALCON RD	HOURS INDICATED: 9:00am TO 6:00pm 1 SIGN WITH DOUBLE ARROW 1 SIGN WITH LEFT FACING ARROW 1 SIGN WITH RIGHT FACING ARROW		
TOTAL						42	23				



NARROW SHOULDER AHEAD
 NTS



R28 WITH INFORMATIONAL SIGN
 NTS

PAVEMENT STRIPING

DESCRIPTION	FROM	TO	SPRAYABLE PAINT	REMARKS
			YELLOW FT	
DASHED CENTERLINE STRIPING	'ET' 10+95	'ET' 35+25	2,430	
	'ET' 36+11	'ET' 65+40	2,929	
SOLID STRIPING & (BOLLARD DELINEATION)	'ET' 10+26.2	'ET' 10+95	49	
	'ET' 35+25	'ET' 35+29.2	44	
	'ET' 35+77.2	'ET' 36+11	44	
	'ET' 65+40	'ET' 65+74.2	44	
TOTAL			5,540	

PAVEMENT MARKING

DESCRIPTION	LOCATION	WHITE FT2	REMARKS
LIMIT LINE	'ET' 10+55.2	4.2	
	'ET' 35+60.2	4.2	
	'ET' 35+76.2	4.2	
	'ET' 65+75.2	4.2	
'STOP'	'ET' 10+70.2	6	
	'ET' 35+50	6	
	'ET' 35+86	6	
	'ET' 65+65	6	
TOTAL		41	

SIGNING AND PAVEMENT DELINEATION QUANTITIES SCALE : NONE



PREPARED UNDER THE SUPERVISION OF :
 [Signature]
 REGISTERED CIVIL ENGINEER
 DATE: 12/04/17

DESIGNED: JOB SGM
 DRAWN: SGM
 CHECKED: JOB
 DATE: 03/14/17
 ROAD NUMBER: -

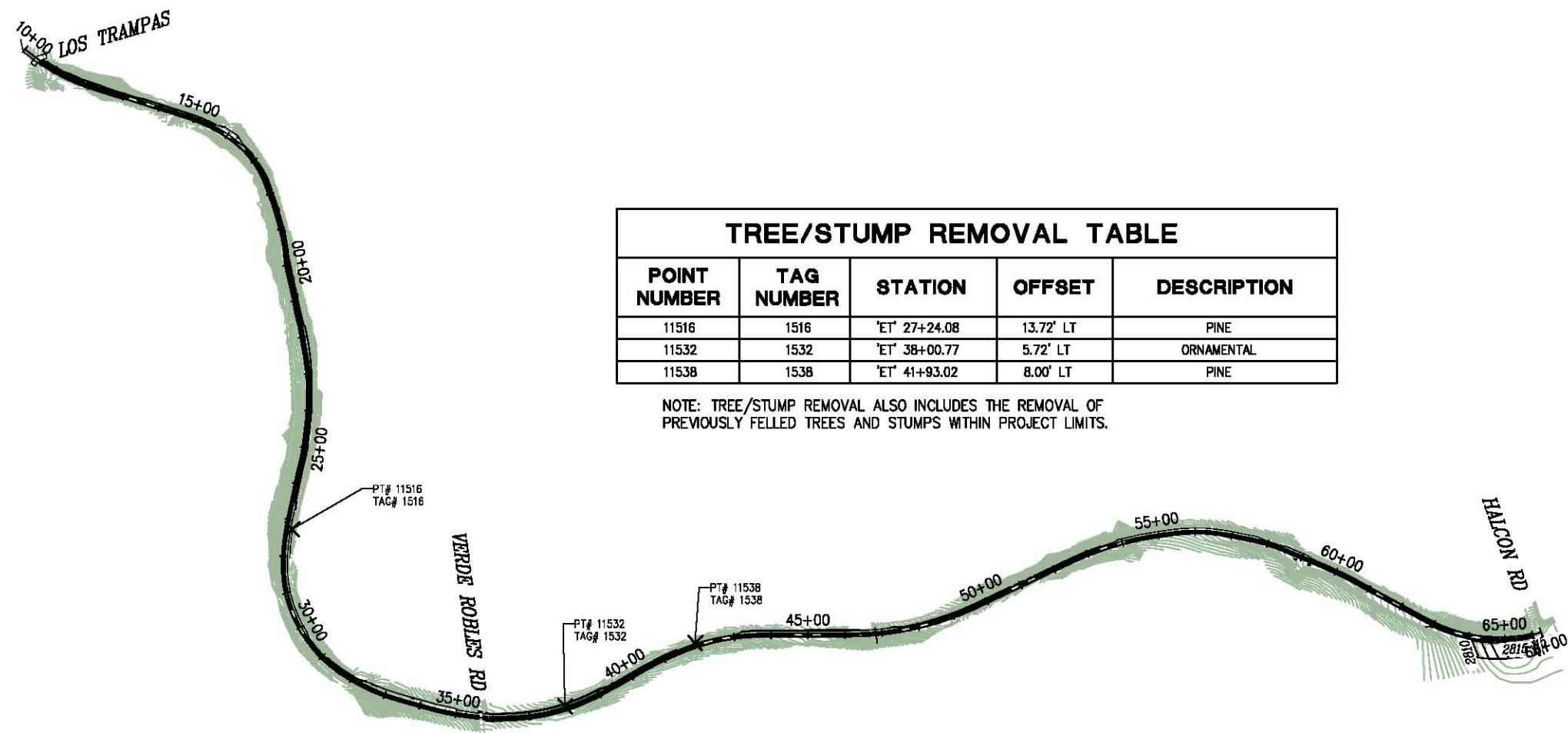


COUNTY OF EL DORADO DEPARTMENT OF TRANSPORTATION

EL DORADO TRAIL LOS TRAMPAS TO HALCON

SHEET
SPD-5
 36 OF 37
 W.O. No. 97012

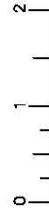
ORIGINAL SCALE IS IN INCHES
 Drawing name: C:\Civil 3D Projects\97012 El Dorado Trail Los Trampas to Halcon\Drawings\TR-1 Feb 20, 2018 - 6:31am SMeVey



TREE/STUMP REMOVAL TABLE				
POINT NUMBER	TAG NUMBER	STATION	OFFSET	DESCRIPTION
11516	1516	'ET' 27+24.08	13.72' LT	PINE
11532	1532	'ET' 38+00.77	5.72' LT	ORNAMENTAL
11538	1538	'ET' 41+93.02	8.00' LT	PINE

NOTE: TREE/STUMP REMOVAL ALSO INCLUDES THE REMOVAL OF PREVIOUSLY FELLED TREES AND STUMPS WITHIN PROJECT LIMITS.

PLAN VIEW
SCALE: 1"=200'



TREE/STUMP REMOVAL PLAN
SCALE : AS SHOWN

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF :

 REGISTERED CIVIL ENGINEER
 DATE: 12/04/17

DESIGNED: JB
 DRAWN: SGM
 CHECKED: JB
 DATE: 03/14/17
 ROAD NUMBER: -



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

EL DORADO TRAIL
LOS TRAMPAS TO HALCON

SHEET
TR-1
37 OF 37
W.O. No. 97012