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ABBREVIATIONS

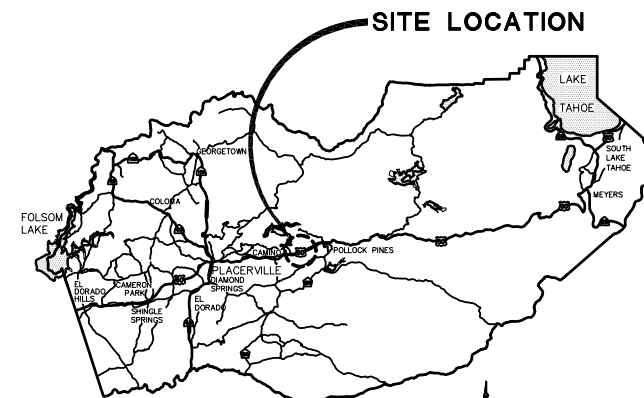
AP	ANGLE POINT
R/W	RIGHT OF WAY
PP	POWER POLE
TCE	TEMPORARY CONSTRUCTION EASEMENT
ESA	ENVIRONMENTALLY SENSITIVE AREA FENCING
MGS	MIDWEST GUARDRAIL SYSTEM

COUNTY OF EL DORADO, CA COMMUNITY DEVELOPMENT AGENCY TRANSPORTATION DIVISION

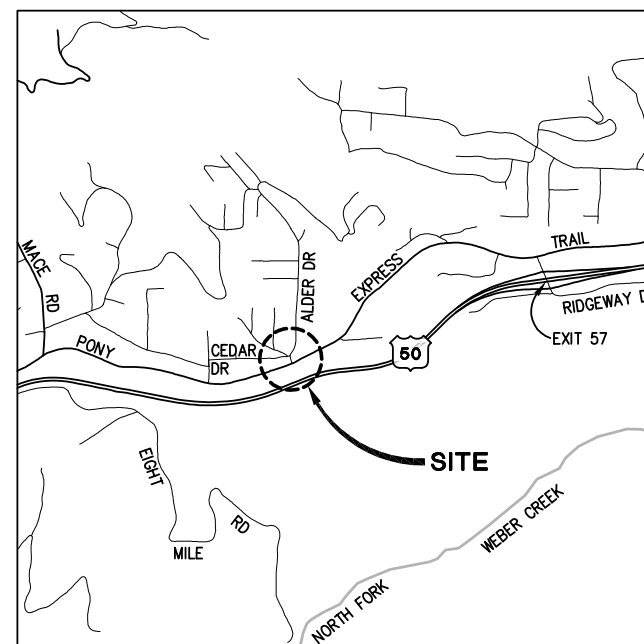
PROJECT PLANS FOR THE CONSTRUCTION OF ALDER DRIVE AT EID CANAL BRIDGE REPLACEMENT

IN THE COUNTY OF EL DORADO, DISTRICT 3
IN THE TOWN OF CAMINO, APPROXIMATELY 0.84 MILES WEST OF THE
PONY EXPRESS TRAIL/RIDGEWAY DRIVE INTERSECTION

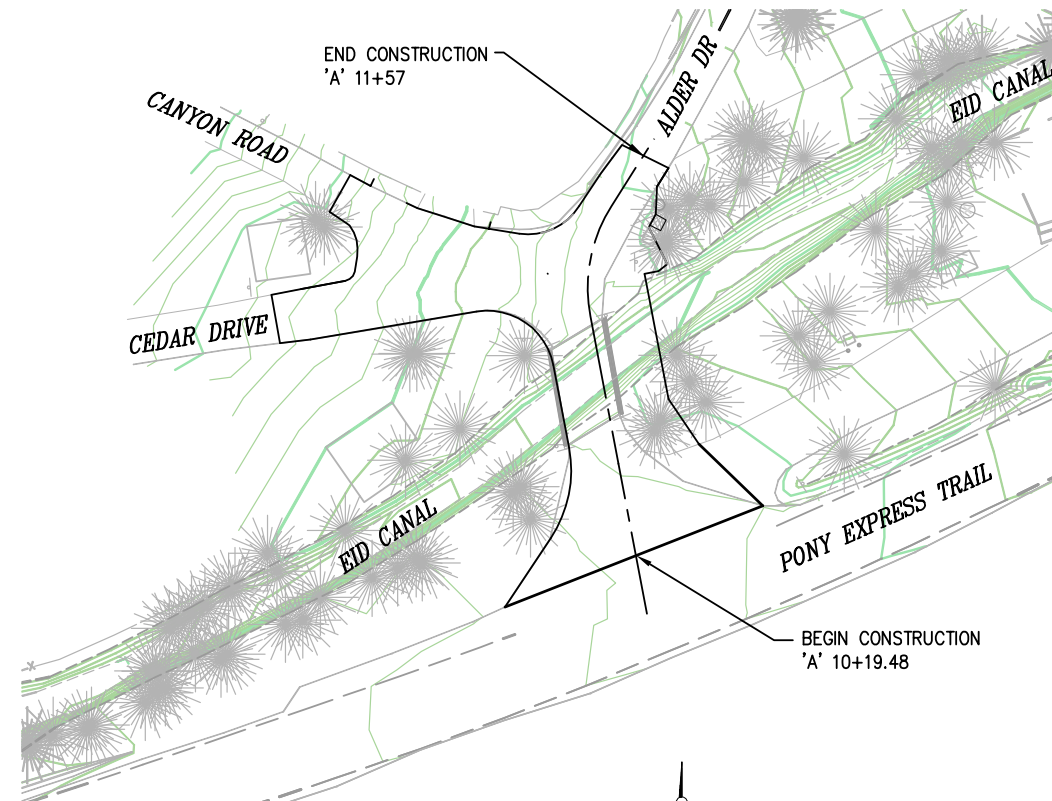
To be supplemented with Standard Plans and Specifications dated 2010, including
the revised Standard Specifications, of the California Department of
Transportation, unless otherwise noted.



VICINITY MAP
COUNTY OF EL DORADO



LOCATION MAP
NOT TO SCALE



SITE PLAN
SCALE: 1"=30'

**FEDERAL AID PROJECT
BRLO 5925 (142)**



Frank W. Whitmore III
SUBMITTED BY: CIVIL ENGINEER
STATE OF CALIFORNIA NO. _____
DATE: 5/23/16

BOARD OF SUPERVISORS

RON MIKULACO	I
SHIVA FRENTZEN	II
BRIAN VEERKAMP	III
MICHAEL RANALLI	IV
SUE NOVASEL	V

**COUNTY OF EL DORADO, CA
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION**

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

ADOPTED AND APPROVED BY:

RON MIKULACO CHAIR, EL DORADO COUNTY BOARD OF SUPERVISORS	DATE
APPROVED BY:	DATE
STEVEN M. PEDRETTI, DIRECTOR COMMUNITY DEVELOPMENT AGENCY	DATE
JOHN H. KAHLING P.E. NO. C52426 DEPUTY DIRECTOR, ENGINEERING	DATE

PW NO. 15-31110 | PROJECT NO. 77123

**ALDER DRIVE AT EID CANAL
BRIDGE REPLACEMENT**

TITLE SHEET

SHEET 1 OF 15

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. If the Contractor possesses a Class A license instead of the equivalent combination of Classes required by the categories and type of work included in the Contract Documents and Plans, then the Contractor or a subcontractor must also possess a CLASS C27 "Landscaping Contractor" license. 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.

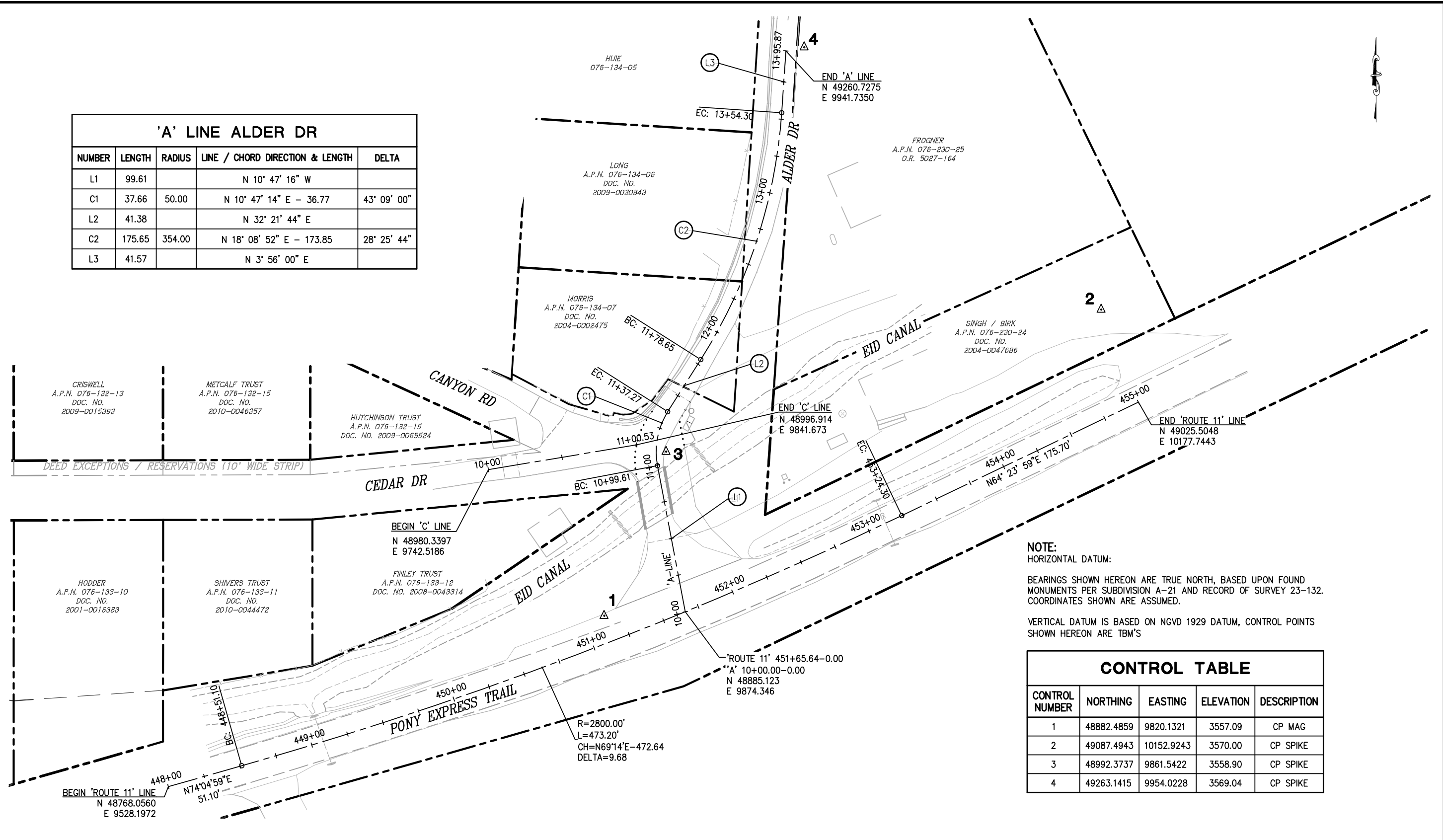
REVISIONS

MARK	DATE	BY



ORIGINAL SCALE IS IN INCHES
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 FOR REDUCED PLANS
 REVISION

'A' LINE ALDER DR				
NUMBER	LENGTH	RADIUS	LINE / CHORD DIRECTION & LENGTH	DELTA
L1	99.61		N 10° 47' 16" W	
C1	37.66	50.00	N 10° 47' 14" E - 36.77	43° 09' 00"
L2	41.38		N 32° 21' 44" E	
C2	175.65	354.00	N 18° 08' 52" E - 173.85	28° 25' 44"
L3	41.57		N 3° 56' 00" E	



NOTE:
 HORIZONTAL DATUM:
 BEARINGS SHOWN HEREON ARE TRUE NORTH, BASED UPON FOUND MONUMENTS PER SUBDIVISION A-21 AND RECORD OF SURVEY 23-132. COORDINATES SHOWN ARE ASSUMED.
 VERTICAL DATUM IS BASED ON NGVD 1929 DATUM, CONTROL POINTS SHOWN HEREON ARE TBM'S

CONTROL TABLE				
CONTROL NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	48882.4859	9820.1321	3557.09	CP MAG
2	49087.4943	10152.9243	3570.00	CP SPIKE
3	48992.3737	9861.5422	3558.90	CP SPIKE
4	49263.1415	9954.0228	3569.04	CP SPIKE

SURVEY AND CONTROL DIAGRAM
 SCALE : 1" = 30'

NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
Loren A. Massey
 PROFESSIONAL LAND SURVEYOR
 DATE: 5/23/16

DESIGNED: CG
 DRAWN: RR
 CHECKED: LM
 DATE: 5/23/16
 ROAD NUMBER: 1701

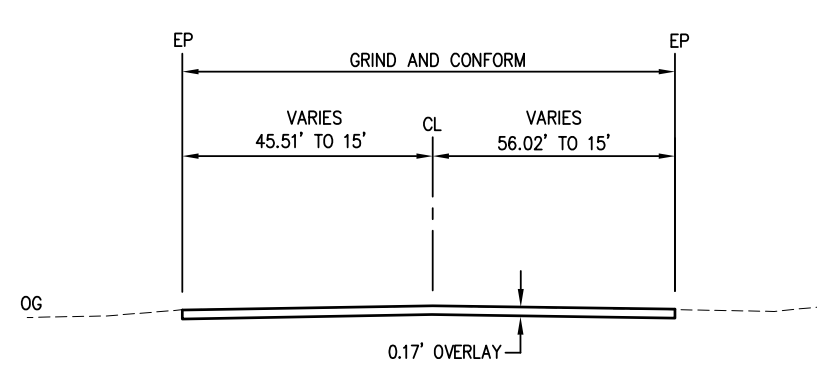


COUNTY OF EL DORADO, CA
 COMMUNITY DEVELOPMENT AGENCY
 TRANSPORTATION DIVISION

ALDER DRIVE AT EID CANAL
 BRIDGE REPLACEMENT

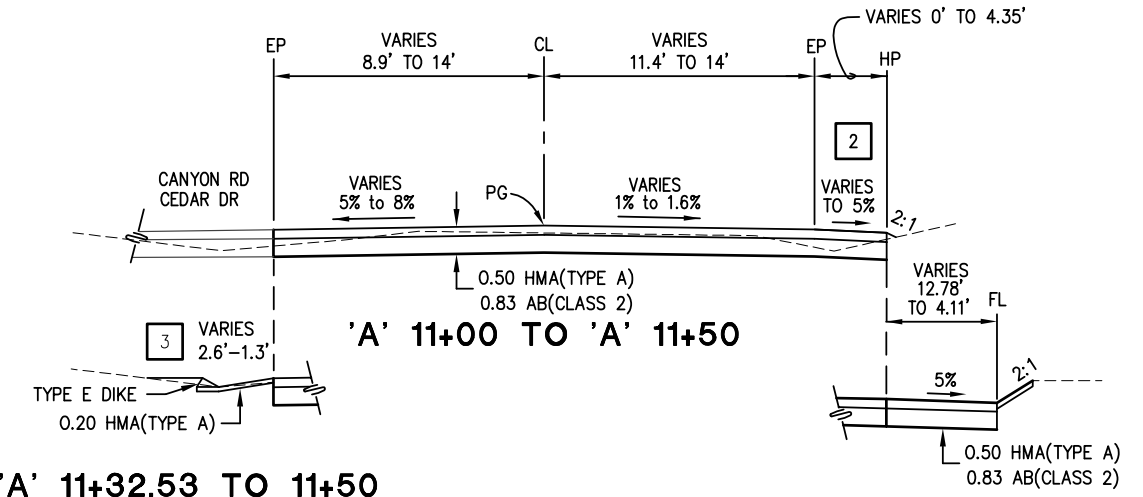
SHEET
 CD-1
 2 OF 15
 W.O. No. 77123

ORIGINAL SCALE IS IN INCHES
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 FOR REDUCED PLANS
 REVISION



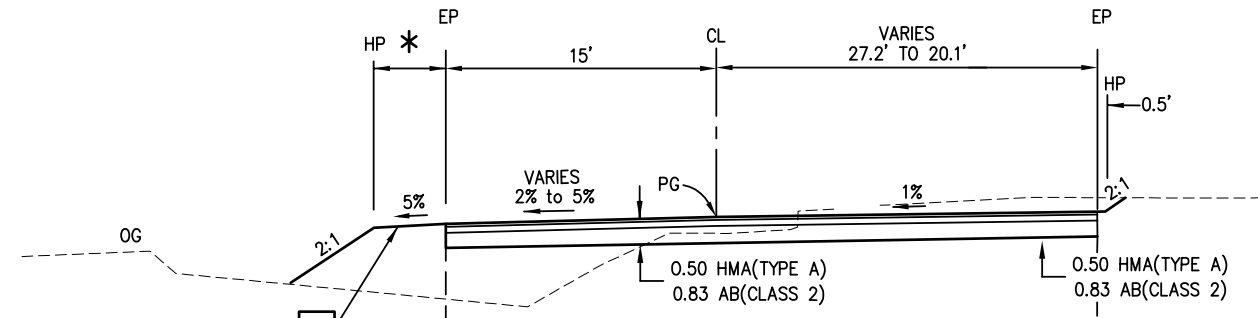
'A' 10+10.95 TO 'A' 10+50
'A' 11+50.8 TO 'A' 11+58
'C' 10+10 TO 'C' 10+20

***SHOULDER WIDTH:**
 'A' 10+25 TO 'A' 10+40.31, TAPER 0' TO 9.2'
 'A' 10+40.31 TO 'A' 10+54.75, TAPER 9.2' TO 4'
 'A' 10+54.75 TO 'A' 10+73.08, TAPER 4' TO 14.33'
 'A' 10+73.08 TO 'A' 10+78.57, TAPER 14.33' TO 4'
 'A' 10+78.57 TO 'A' 11+02.21-36.71LT, 4'

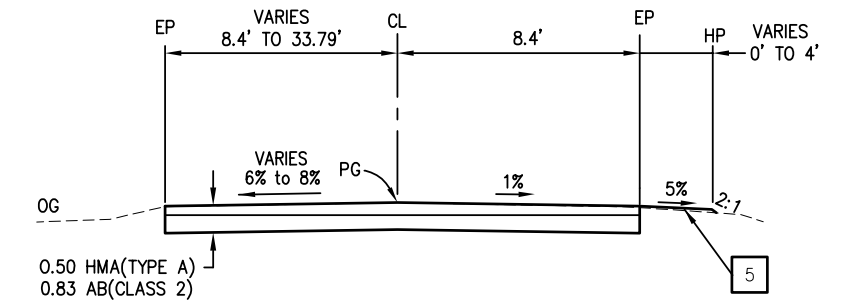


'A' 11+32.53 TO 11+50

'A' 11+19.09 TO 11+38



'A' 10+50 TO 'A' 11+00

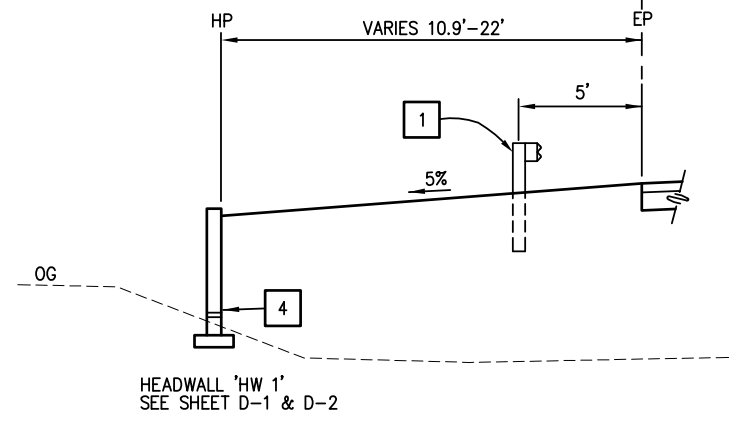


'C' 10+20 TO 'C' 11+00.53

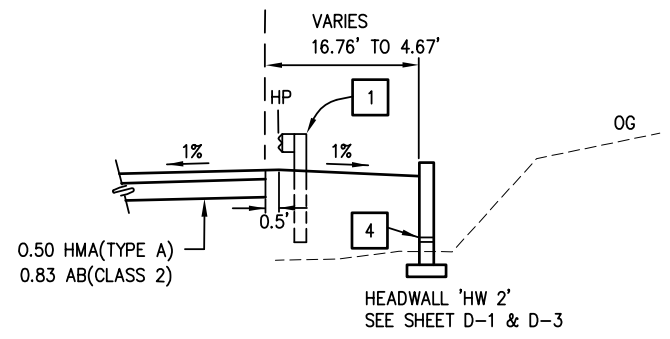
CONSTRUCTION NOTES:

ALDER DRIVE STATION/OFFSETS PER 'A' ALIGNMENT
 CEDAR DRIVE STATION/OFFSETS PER 'C' ALIGNMENT
 CUT/FILL SHOULDERS BEYOND EP TO BE GRADED @ 5% UNLESS NOTED OTHERWISE

- 1 MGS (SEE SHEETS L-1 & L-3 FOR STATION/OFFSETS)
- 2 EXTEND HMA ROAD PAVING IN FRONT OF U.S.P.S. MAILBOXES, SEE SHEET C-1
- 3 PAVED DRAINAGE DITCH, SEE SHEET D-4
- 4 SEE SHEETS D-2 & D-3 FOR GEOCOMPOSITE DRAIN DETAILS.
- 5 4' WIDE AND VARIES SHOULDER BACKING. 0.25' THICK



'A' 10+55.68 TO 'A' 10+75.99 LT



'A' 10+88.78 TO 'A' 11+19.09 RT

**TYPICAL SECTIONS
SCALE : 1" = 40'**

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
Frank W. Whitmore III
 REGISTERED CIVIL ENGINEER
 License Expires 5/23/16

DESIGNED: CG
 DRAWN: RR
 CHECKED: CG
 DATE: 5/23/16
 ROAD NUMBER: 1701

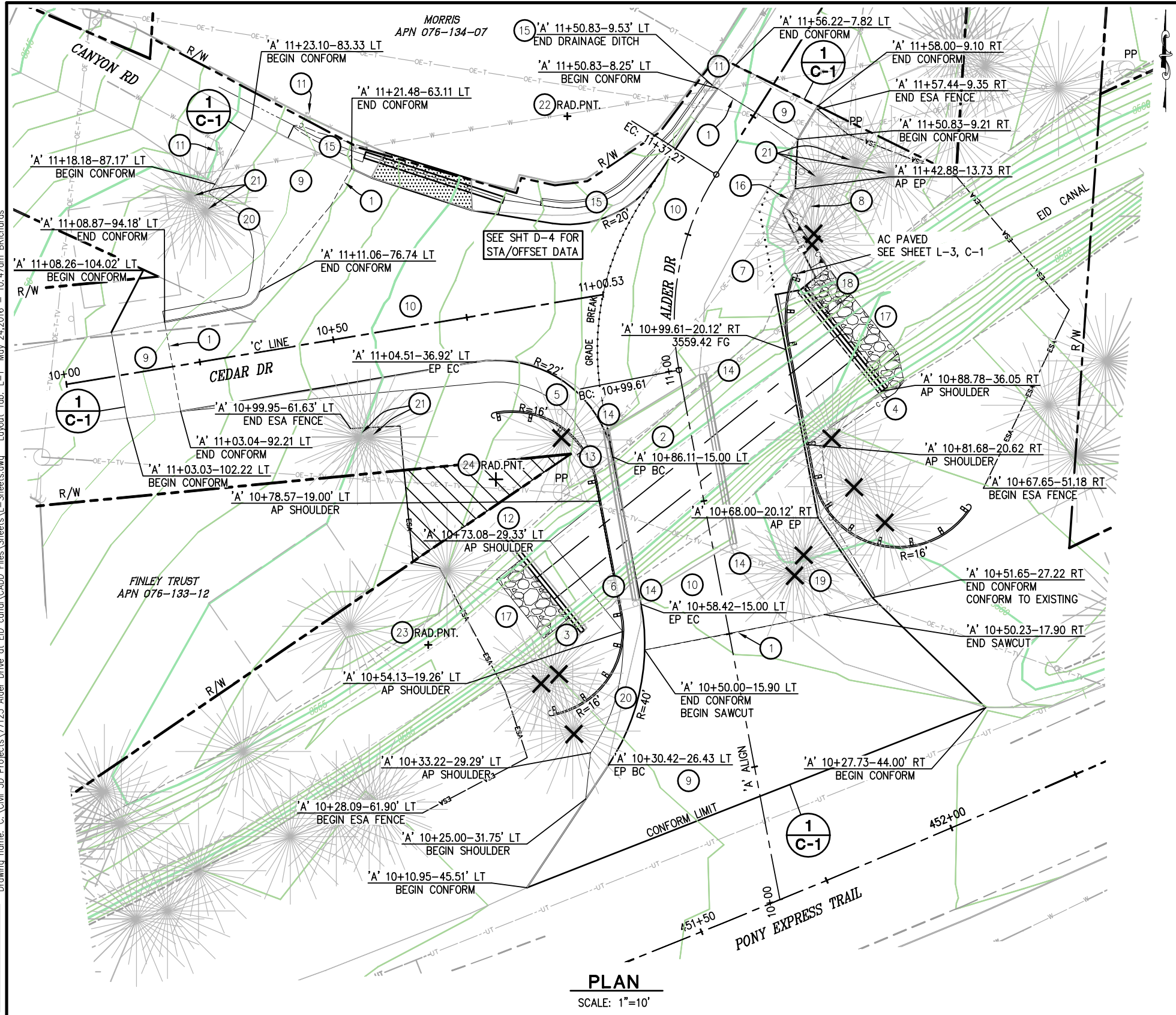


**COUNTY OF EL DORADO, CA
 COMMUNITY DEVELOPMENT AGENCY
 TRANSPORTATION DIVISION**

**ALDER DRIVE AT EID CANAL BRIDGE
 REPLACEMENT**

SHEET
X-1
 3 OF 15
 W.O. No. **77123**

ORIGINAL SCALE IS IN INCHES
 Drawing name: C:\Civil_3D\Projects\77123 Alder Drive at EID Canal\Drawings\Sheets\L-1 Sheets.dwg
 Layout Tab: L-1 May 24, 2016 - 10:47am BRichards



CONSTRUCTION NOTES:

STATION/OFFSETS ON THIS SHEET PER 'A' ALIGNMENT
 SEE SHEET L-2 FOR PROFILE AND SUPERELEVATION DIAGRAM

- ✗ - TREE REMOVAL (TOTAL-12)
- ▨ - CONCRETE CAP, SEE SHEET D-4
- ▨ - TEMPORARY CONSTRUCTION EASEMENT

- ① - SAWCUT TO A CLEAN UNIFORM LINE
- ② - REMOVE BRIDGE, SEE SHEET DM-1
- ③ - HEADWALL 1 (HW1), SEE SHEET D-1 & D-2
- ④ - HEADWALL 2 (HW2), SEE SHEET D-1 & D-3
- ⑤ - R1-1 STOP SIGN, SEE SHEET SPD-1
- ⑥ - R1-1 STOP SIGN, SEE SHEET SPD-1
- ⑦ - STREET SIGNS, SEE SHEET SPD-1
- ⑧ - U.S.P.S. CLUSTER BOX, SEE SHEET C-1.
- ⑨ - 0.17' HMA TYPE A OVERLAY.
- ⑩ - 0.50' HMA TYPE A OVER .83' AB CLASS 2.
- ⑪ - WATER VALVE, PROTECT IN PLACE.
- ⑫ - PG&E GUY ANCHOR TO BE RELOCATED BY OTHERS, PRIOR TO CONSTRUCTION.
- ⑬ - PG&E GUY ANCHOR TO REMAIN. CONTRACTOR TO PROTECT IN PLACE.
- ⑭ - REMOVE/SALVAGE TYPE P WARNING SIGNS
- ⑮ - 0.20' HMA PAVING. (REMOVE AND REPLACE EXISTING AC PAVED DRAINAGE DITCH) SEE SHEET D-4
- ⑯ - EXTEND HMA AND AB TO THE BASE OF U.S.P.S PAD. SEE DETAIL ON SHEET C-1.
- ⑰ - RSP, No. 1 BACKING, SEE SHEET C-1
- ⑱ - RELOCATE LARGE ROCK AS DIRECTED BY THE ENGINEER
- ⑳ - 0.25' THICK SHOULDER BACKING
- ㉑ - TRIM TREES AS DIRECTED BY THE ENGINEER

- ⑳ RAD.PNT.
11+33.72-29.20' LT
N 49029.8823
E 9835.0854
R=20.00'
L=22.86'
Δ=65°29'32"
- ㉑ RAD.PNT.
10+58.42-55.00' LT
N 48932.2155
E 9809.3838
R=40.00'
L=31.01'
Δ=44°25'15"
- ㉒ RAD.PNT.
10+86.11-37.00' LT
N 48962.7874
E 9821.8824
R=22.00'
L=34.06'
Δ=88°42'07"

MGS

STATION/OFFSET PER 'A' ALIGNMENT, CALLOUT TO CENTER OF MGS POST.
 SEE SHEET D-1 FOR POST SPACING AT 30" DIA. CULVERTS.

BEGIN 10+42.56-34.34' LT
 END 10+97.03-34.36' LT
 BEGIN 10+64.73-46.72' RT
 END 11+22.17-21.90' RT

ABBREVIATIONS

- AP ANGLE POINT
- R/W RIGHT OF WAY
- PP POWER POLE
- ESA ENVIRONMENTALLY SENSITIVE AREA FENCING
- MGS MIDWEST GUARDRAIL SYSTEM

PLAN
 SCALE: 1"=10'

LAYOUT
 SCALE : AS NOTED

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
Frank W. Whitmore III
 REGISTERED CIVIL ENGINEER
 DATE: 5/23/16

DESIGNED: CG
 DRAWN: RR
 CHECKED: CG
 DATE: 5/23/16
 ROAD NUMBER: 1701

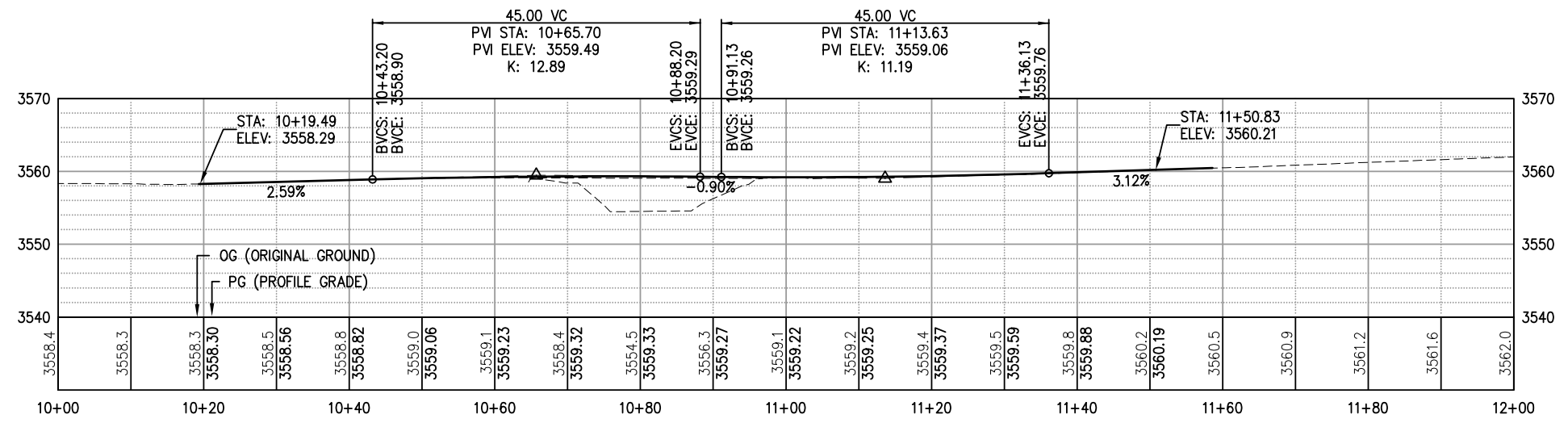


COUNTY OF EL DORADO, CA
 COMMUNITY DEVELOPMENT AGENCY
 TRANSPORTATION DIVISION

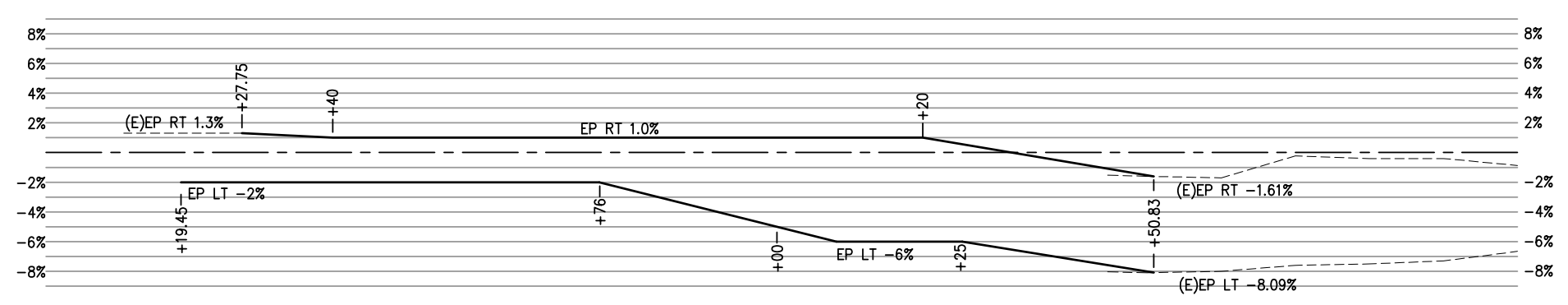
ALDER DRIVE AT EID CANAL BRIDGE
 REPLACEMENT

SHEET
 L-1
 4 OF 15
 W.O. No. 77123

ORIGINAL SCALE IS IN INCHES
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 Layout Tab: L-2 May 24, 2016 - 10:48am BRichards



PROFILE 'A' ALIGNMENT
 SCALE: 1"=10' H,V



SUPERELEVATION 'A' ALIGNMENT

LAYOUT
 PROFILE AND SUPERELEVATION
 SCALE : AS NOTED

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
Frank W. Whitmore III
 REGISTERED CIVIL ENGINEER
 DATE: 5/23/16

DESIGNED: CG
 DRAWN: RR
 CHECKED: CG
 DATE: 5/23/16
 ROAD NUMBER: 1701

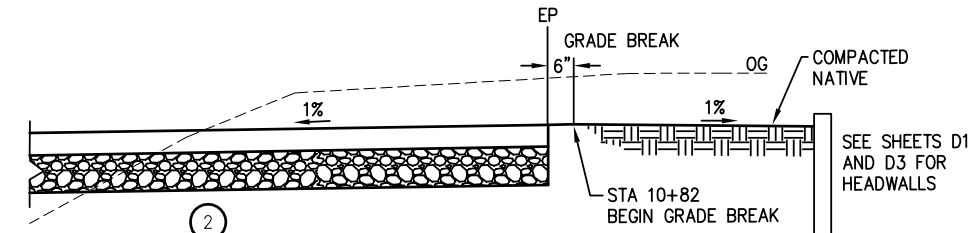
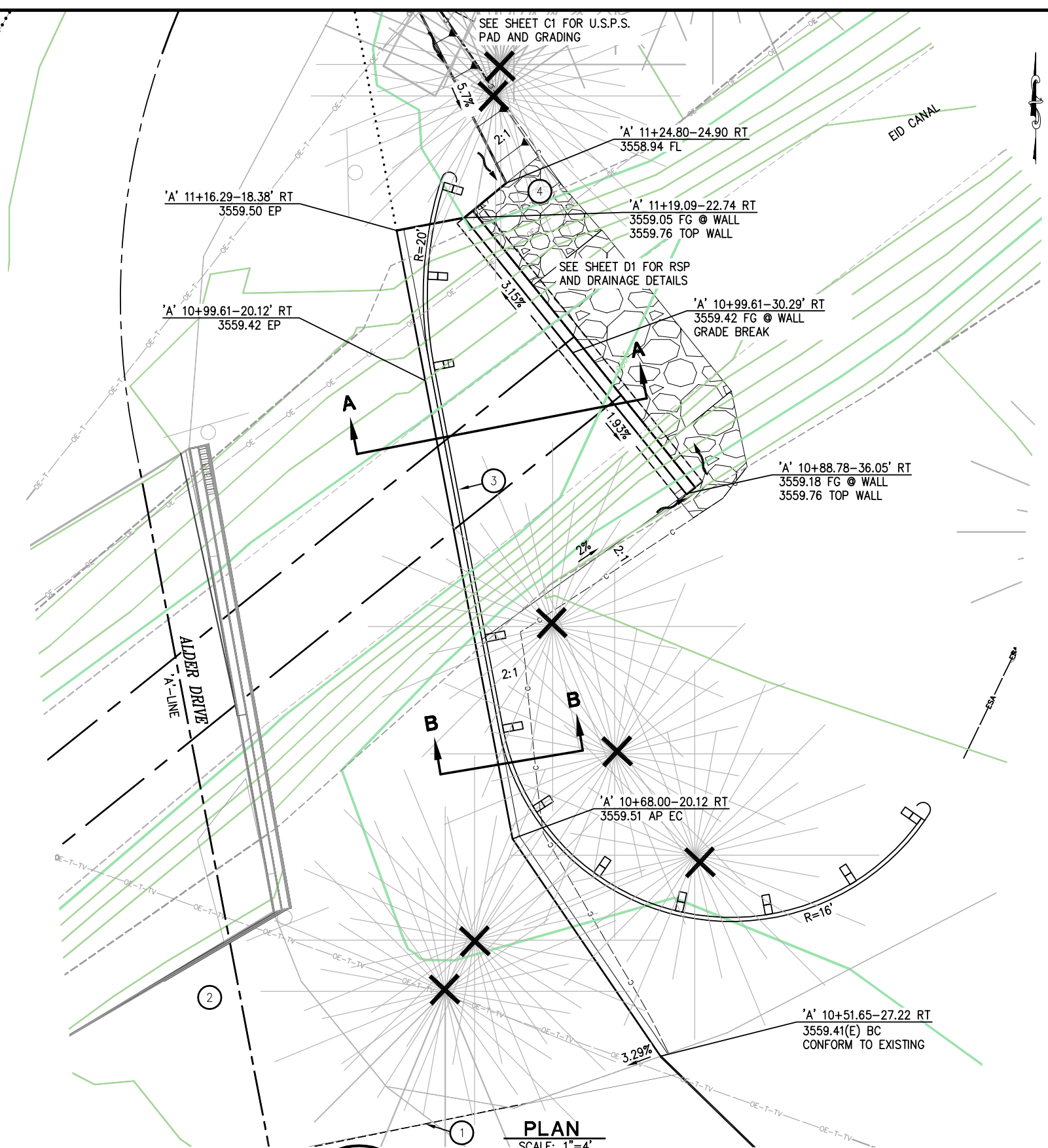


COUNTY OF EL DORADO, CA
 COMMUNITY DEVELOPMENT AGENCY
 TRANSPORTATION DIVISION

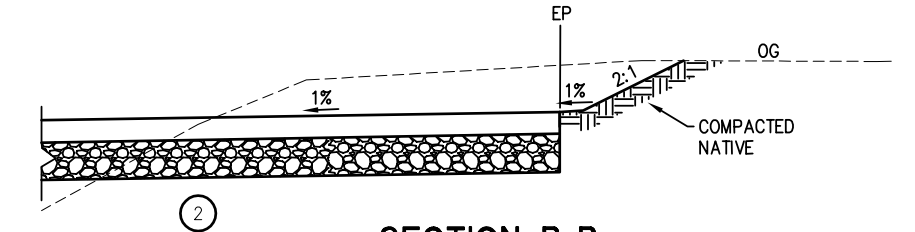
ALDER DRIVE AT EID CANAL BRIDGE
 REPLACEMENT

SHEET
L-2
 5 OF 15
 W.O. No. **77123**

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 FOR REDUCED PLANS
 REVISION



SECTION A-A
N.T.S.
(MGS NOT SHOWN)



SECTION B-B
N.T.S.
(MGS NOT SHOWN)

CONSTRUCTION NOTES:

STATION/OFFSETS ON THIS SHEET PER 'A' ALIGNMENT
2:1 CUT/FILL UNLESS NOTED

- ✕ — TREE REMOVAL
- ① — SAWCUT TO A CLEAN UNIFORM LINE
- ② — ALDER DRIVE, 0.50'AC/0.83'AB
- ③ — MIDWEST GUARDRAIL SYSTEM
BEGIN 10+64.73-46.72' RT
END 11+22.17-21.90' RT
- ④ — RSP, No.1 BACKING (SEE SHEET D-1)

PLAN
SCALE: 1"=4'

LAYOUT
SCALE : AS NOTED

NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
Frank W. Whitmore III
 REGISTERED CIVIL ENGINEER
 License Expires 09-30-17
 DATE: 5/23/16

DESIGNED: CG
 DRAWN: RR
 CHECKED: FW
 DATE: 5/23/16
 ROAD NUMBER: 1701

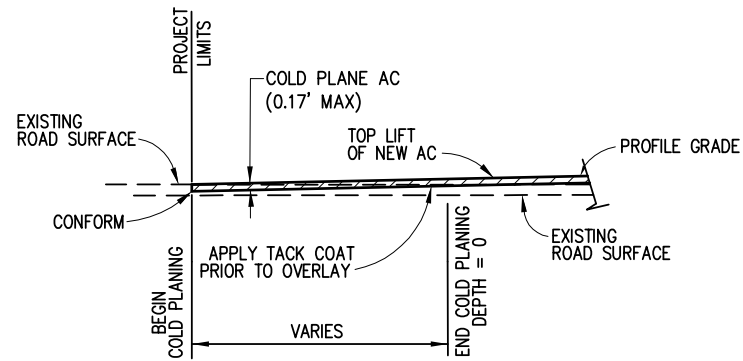


COUNTY OF EL DORADO, CA
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION

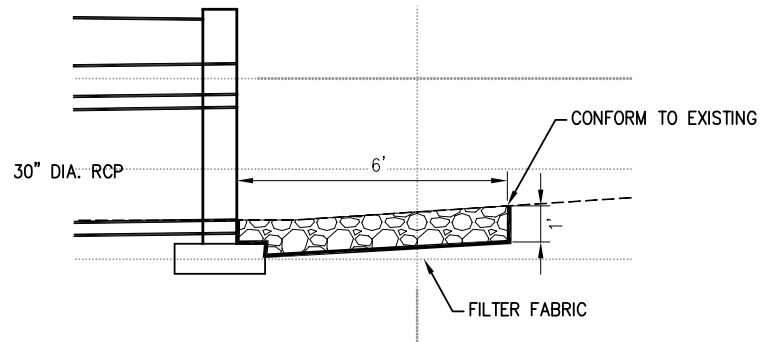
ALDER DRIVE AT EID CANAL BRIDGE REPLACEMENT

SHEET
L-3
 6 OF 15
 W.O. No. **77123**

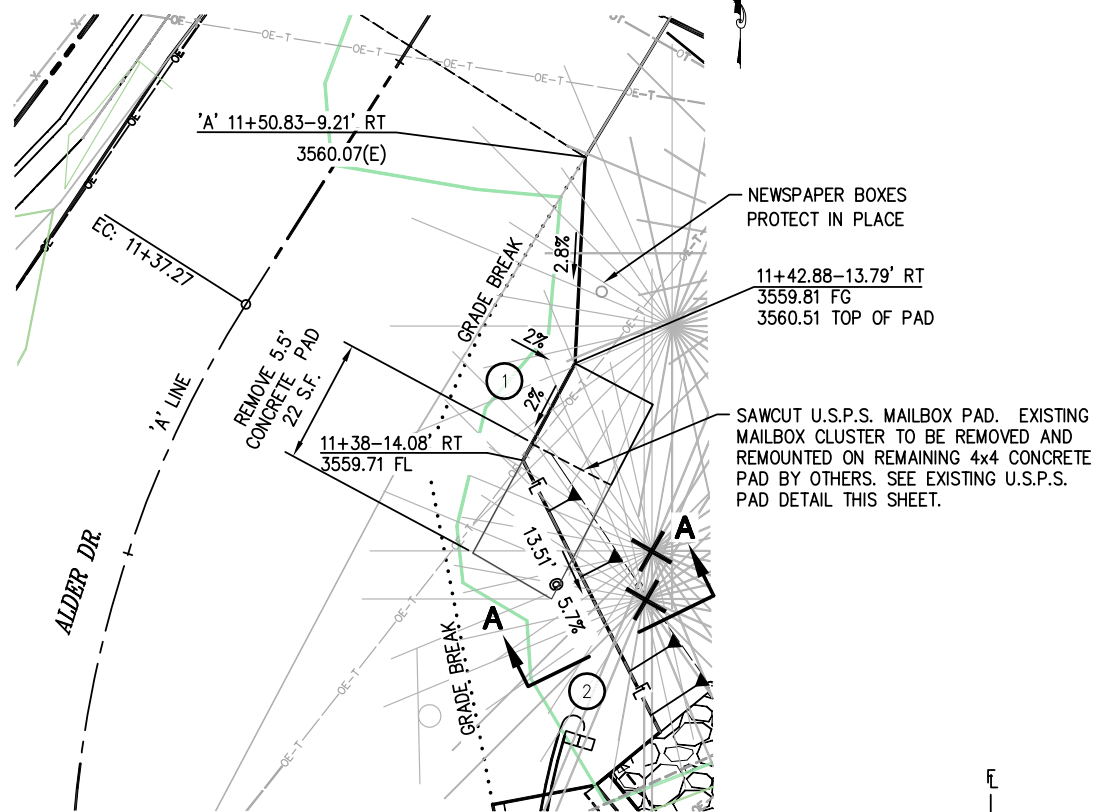
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 FOR REDUCED PLANS
 REVISION
 NUMBER DATE DESCRIPTION BY



1 COLDPLANE DETAIL
N.T.S.



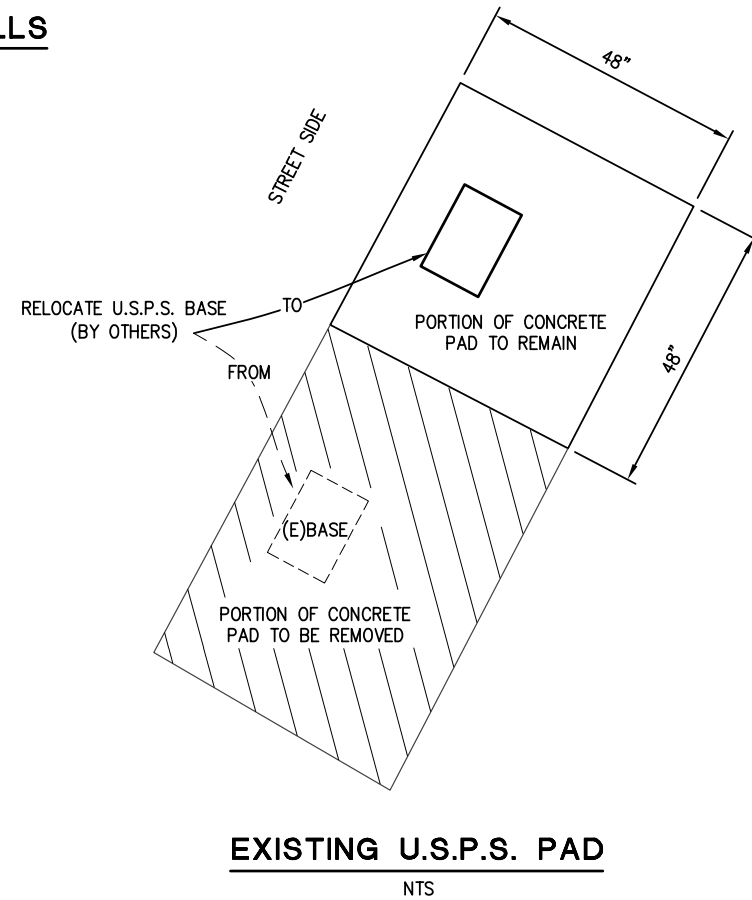
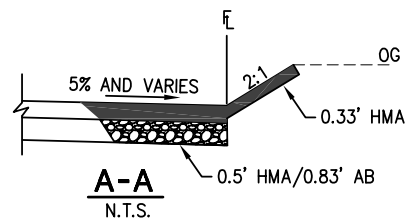
2 RSP DETAIL AT HEADWALLS
No.1 BACKING N.T.S.



PAVING DETAIL AT U.S.P.S. PAD

SCALE: 1"=4'

- 1 EXTEND .50' HMA AND .83' AB TO U.S.P.S. MAILBOX PAD AS SHOWN
- 2 EXTEND .50' HMA AND .83' AB TO FLOWLINE AS SHOWN
CONSTRUCT .33' HMA ON 2:1 SLOPE AS SHOWN.
- X REMOVE TREE



NOTES:

- 1. EXISTING CONCRETE PAD MUST BE AT LEAST 48" WIDE

CONSTRUCTION DETAILS
SCALE : 1" = 40'



PREPARED UNDER THE SUPERVISION OF:
Frank W. Whitmore III
REGISTERED CIVIL ENGINEER
DATE: 5/23/16

DESIGNED: CG
DRAWN: RR
CHECKED: CG
DATE: 5/23/16
ROAD NUMBER: 1701

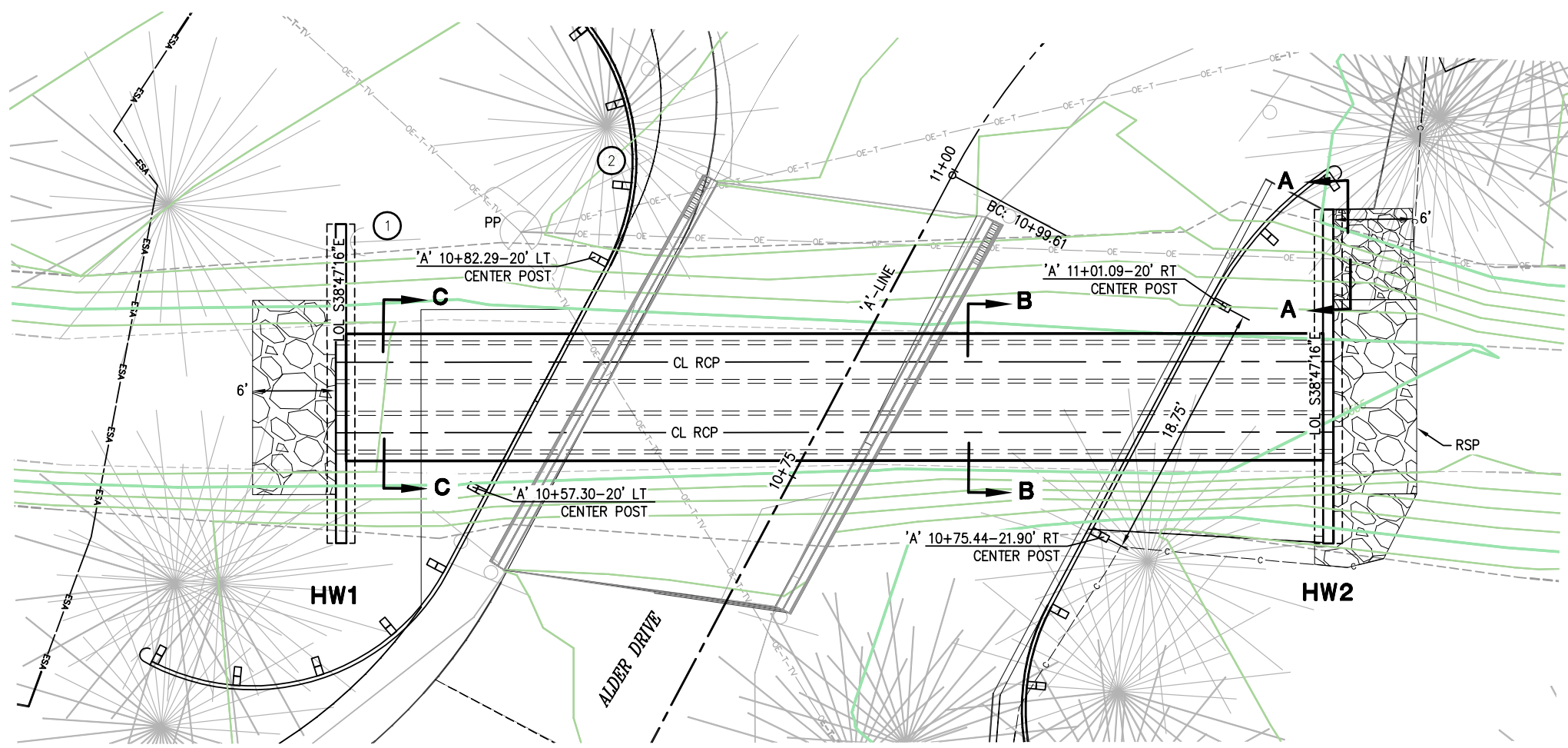


COUNTY OF EL DORADO, CA
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION

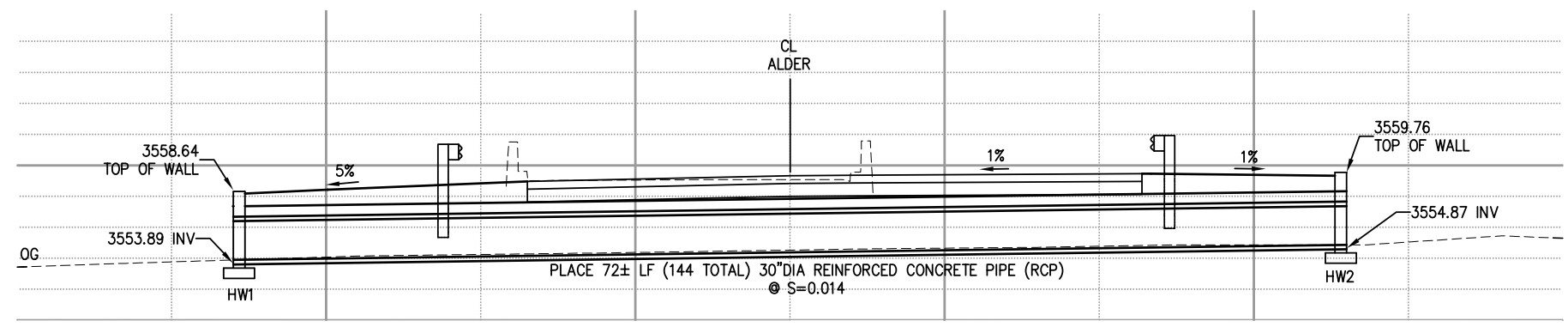
ALDER DRIVE AT EID CANAL BRIDGE
REPLACEMENT

SHEET
C-1
7 OF 15
W.O. No. **77123**

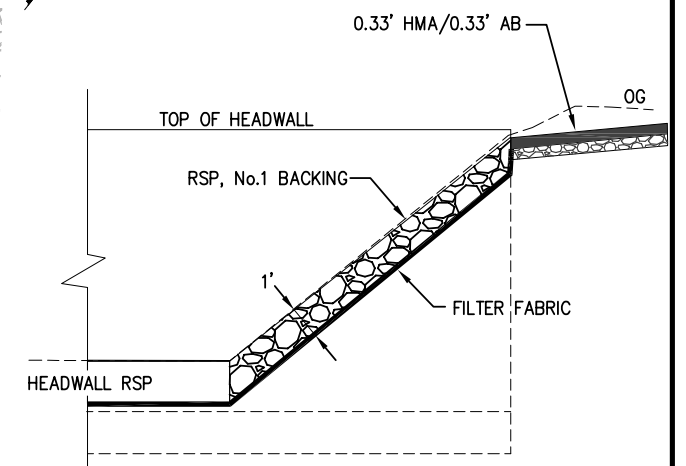
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 FOR REDUCED PLANS
 REVISION
 NUMBER DATE DESCRIPTION BY



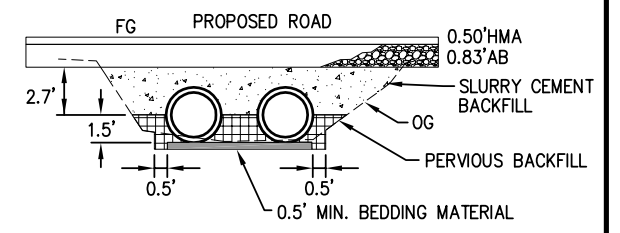
PLAN
SCALE: 1"=5' H



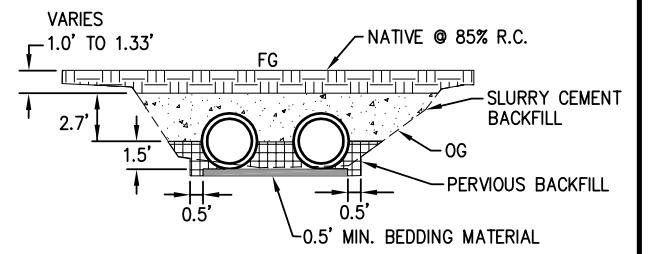
PROFILE
SCALE: 1"=5' H



SECTION A-A
RSP DETAIL N.T.S.



SECTION B-B
TRENCH DETAIL N.T.S.



SECTION C-C
TRENCH DETAIL N.T.S.

- CONSTRUCTION NOTES:**
1. STATION/OFFSETS PER 'A' ALIGNMENT
 2. LONG SPAN NESTED GUARDRAIL OVER CULVERT. SEE SPECIAL PROVISIONS, SECTION 83, IN PROJECT SPECIFICATIONS.

- ① — POLE ANCHOR TO BE RELOCATED BY UTILITY PRIOR TO CONSTRUCTION
- ② — ANCHOR TO REMAIN, PROTECT IN PLACE

CULVERT AND HEADWALL LAYOUT
SCALE : AS NOTED



PREPARED UNDER THE SUPERVISION OF:
Frank W. Whitmore III
 REGISTERED CIVIL ENGINEER
 DATE: 5/23/16

DESIGNED: CG
 DRAWN: RR
 CHECKED: FW
 DATE: 5/23/16
 ROAD NUMBER: 1701

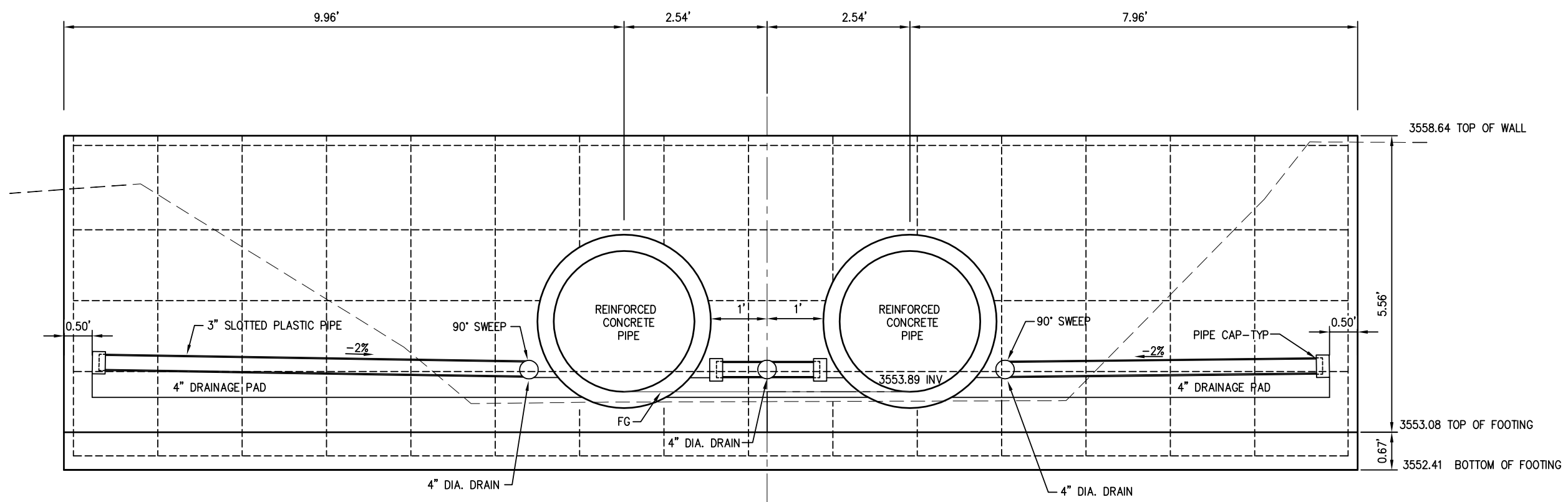


COUNTY OF EL DORADO, CA
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION

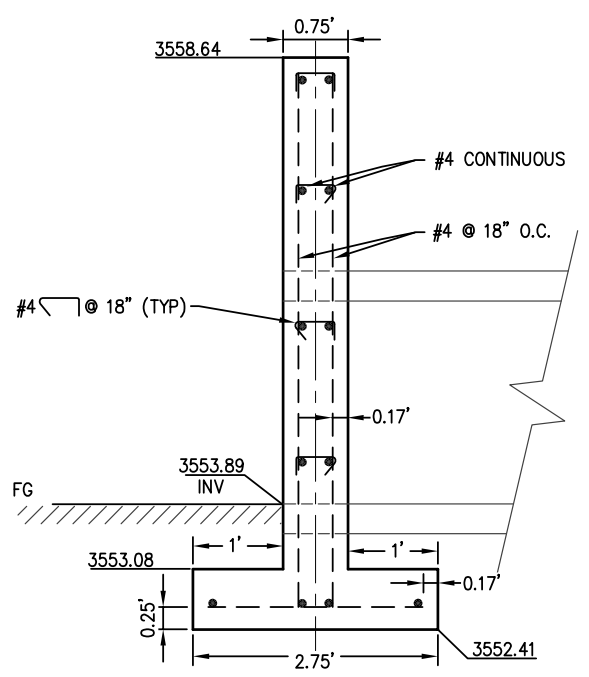
ALDER DRIVE AT EID CANAL BRIDGE
REPLACEMENT

SHEET
D-1
 8 OF 15
 W.O. No. **77123**

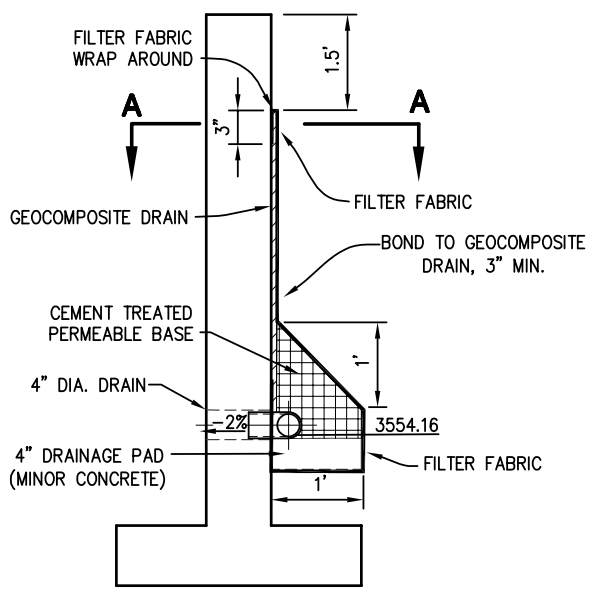
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 FOR REDUCED PLANS
 REVISION
 NUMBER DATE DESCRIPTION BY



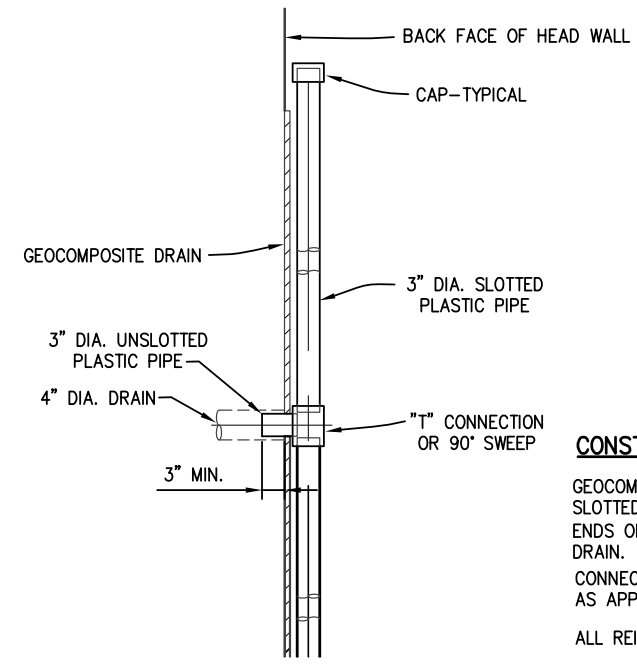
HEADWALL HW1
SCALE: 1"=1'



HW1 TYPICAL SECTION
N.T.S.



DETAIL - GEOCOMPOSITE DRAIN
N.T.S.



SECTION A-A
N.T.S.

CONSTRUCTION NOTES:

GEOCOMPOSITE DRAIN, CEMENT TREATED PERMEABLE BASE, AND 3" DIA SLOTTED PLASTIC PIPE CONTINUOUS BEHIND RETAINING WALL. CAP ENDS OF PIPE. PROVIDE "T" OR 90° CONNECTION AT EACH 4" DIA DRAIN.
 CONNECT THE LOW END OF PLASTIC PIPE TO THE MAIN OUTLET PIPE AS APPLICABLE.
 ALL REINFORCING STEEL #4 BARS AT 18" O.C. MAX

DRAINAGE DETAILS HEADWALL HW1
SCALE : AS NOTED



PREPARED UNDER THE SUPERVISION OF:
 Frank W. Whitmore III
 REGISTERED CIVIL ENGINEER
 5/23/16

DESIGNED: CG
 DRAWN: RR
 CHECKED: CG
 DATE: 5/23/16
 ROAD NUMBER: 1701

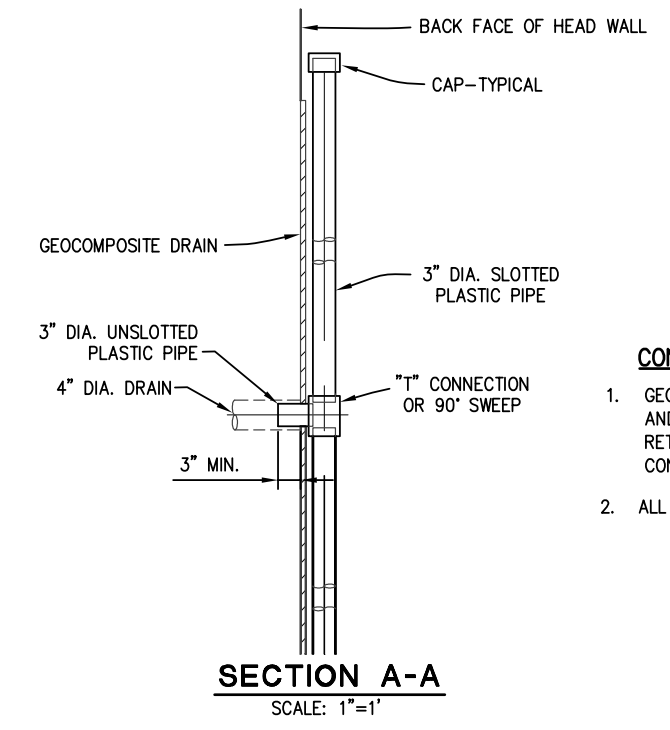
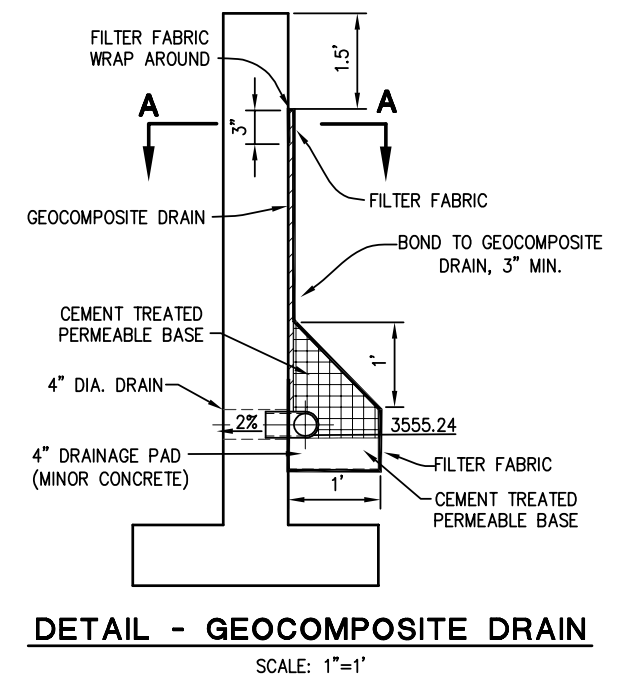
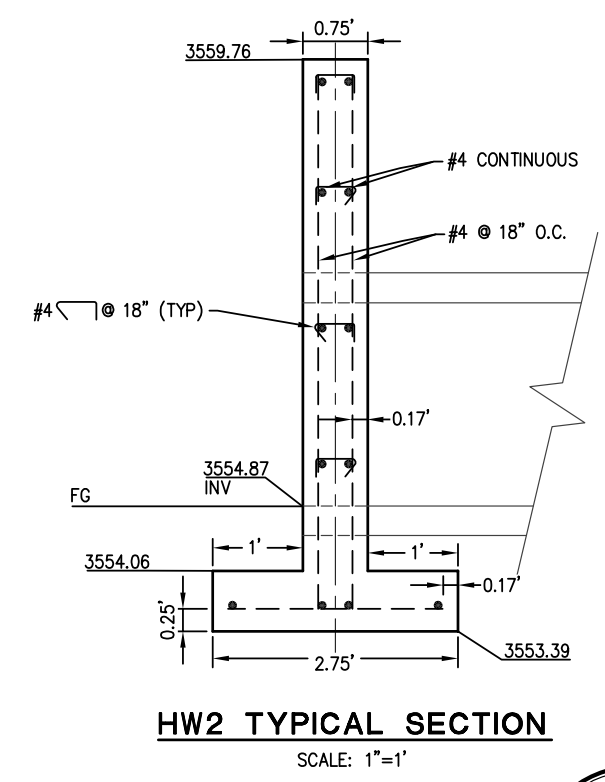
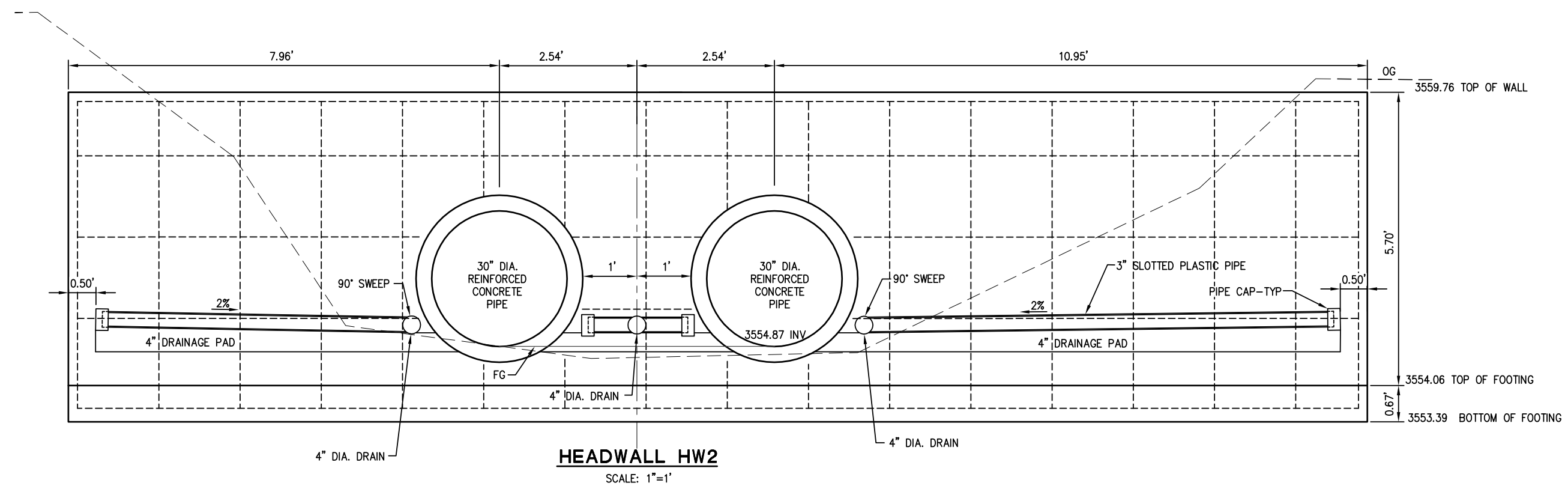


COUNTY OF EL DORADO, CA
 COMMUNITY DEVELOPMENT AGENCY
 TRANSPORTATION DIVISION

ALDER DRIVE AT EID CANAL BRIDGE
 REPLACEMENT

SHEET
 D-2
 9 OF 15
 W.O. No. 77123

ORIGINAL SCALE IS IN INCHES
 Drawing name: C:\Civil_3D\Projects\77123 Alder Drive at EID canal\CADD Files\Sheets\D-2.dwg Layout Tab: D-3 May 24, 2016 - 10:55am BRichards
 FOR REDUCED PLANS
 REVISION



- CONSTRUCTION NOTES:**
1. GEOCOMPOSITE DRAIN, CEMENT TREATED PERMEABLE BASE, AND 3" DIA SLOTTED PLASTIC PIPE CONTINUOUS BEHIND RETAINING WALL. CAP ENDS OF PIPE. PROVIDE "T" OR 90° CONNECTION AT EACH 4" DIA DRAIN.
 2. ALL REINFORCING STEEL #4 BARS AT 18" O.C. MAX.

**DRAINAGE DETAILS
HEADWALL HW2
SCALE : AS NOTED**

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
Frank W. Whitmore III
 REGISTERED CIVIL ENGINEER
 DATE: 5/23/16

DESIGNED: CG
 DRAWN: RR
 CHECKED: FW
 DATE: 5/23/16
 ROAD NUMBER: 1701

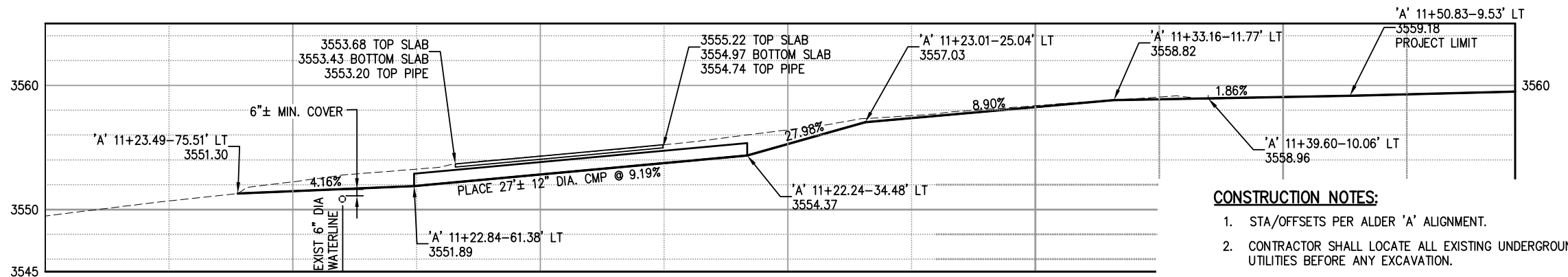
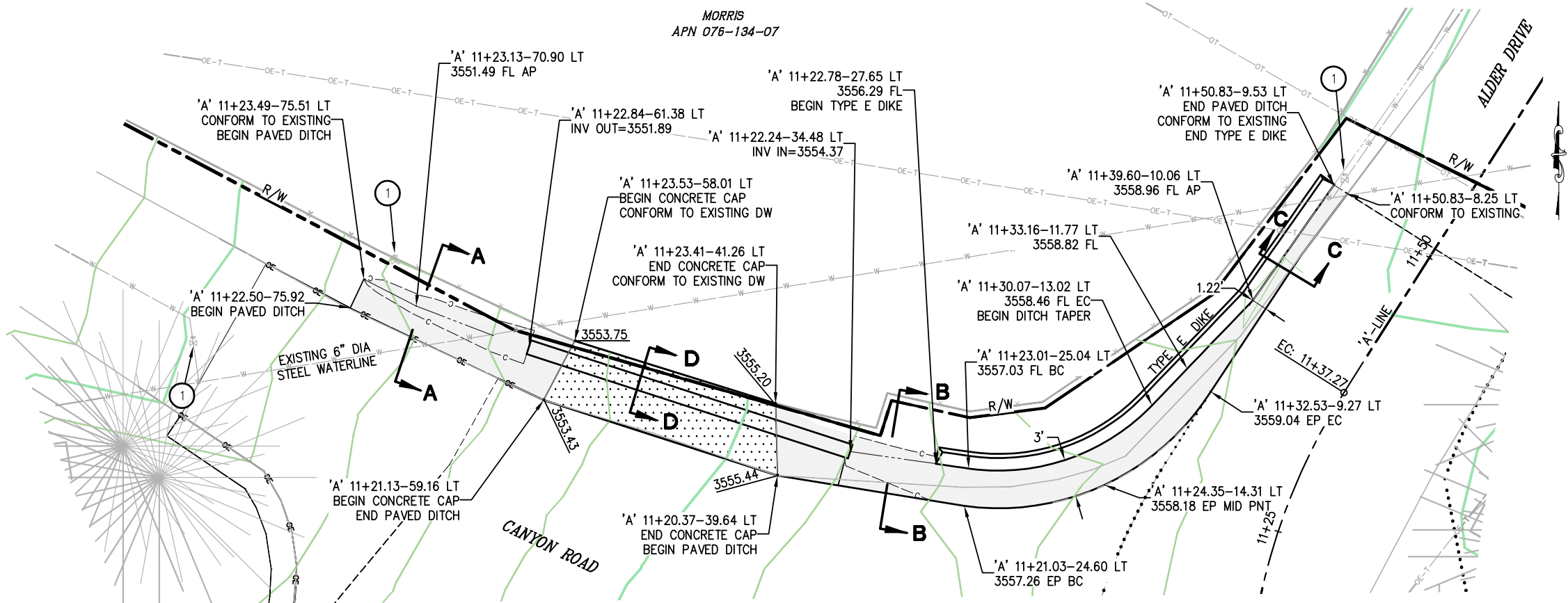
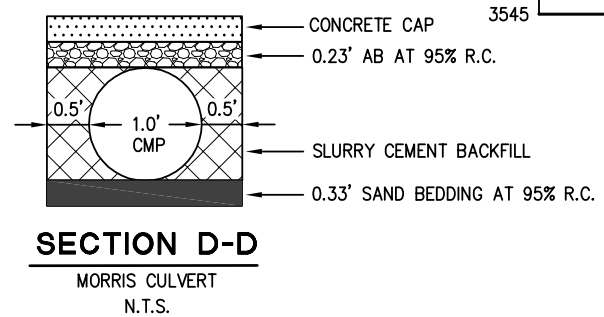
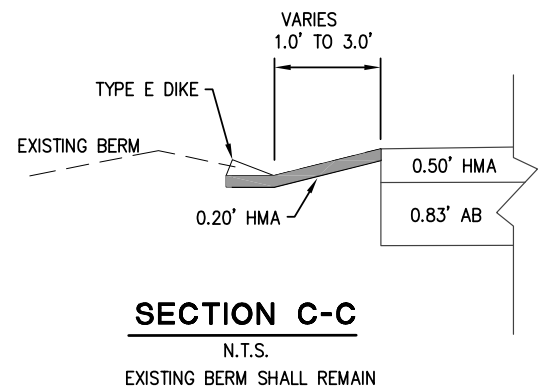
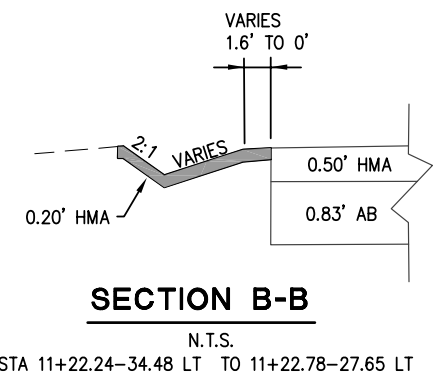
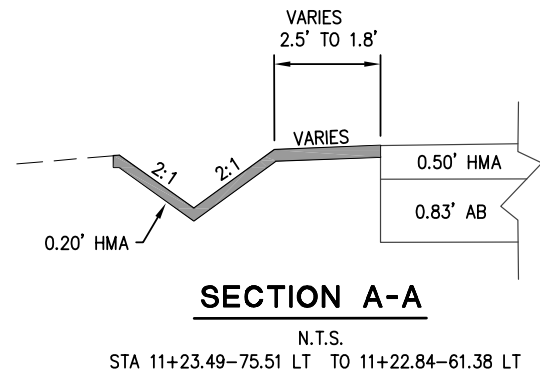


**COUNTY OF EL DORADO, CA
 COMMUNITY DEVELOPMENT AGENCY
 TRANSPORTATION DIVISION**

**ALDER DRIVE AT EID CANAL BRIDGE
 REPLACEMENT**

SHEET
D-3
 10 OF 15
 W.O. No. **77123**

ORIGINAL SCALE IS IN INCHES
Drawing name: C:\Civil_3D\Projects\77123 Alder Drive at EID Canal\CADD Files\Sheets\D-4.dwg Layout Tab: D-4 May 24, 2016 - 10:59am BRichards



- CONSTRUCTION NOTES:**
1. STA/OFFSETS PER ALDER 'A' ALIGNMENT.
 2. CONTRACTOR SHALL LOCATE ALL EXISTING UNDERGROUND UTILITIES BEFORE ANY EXCAVATION.
 3. CONTRACTOR SHALL REMOVE APPROX. 28' L.F. OF EXISTING STORM DRAIN AND PLACE 27'± 12" DIA CMP AS SHOWN.
 4. TAPER BEGINNING AND END OF AC DIKE AS DIRECTED BY THE ENGINEER.
- PAVED DRAINAGE DITCH
 - 0.20' HMA OVER COMPACTED NATIVE
 - 0.25' CONCRETE CAP OVER
 - 0.33' COMPACTED AB

THE CONTRACTOR SHALL LOCATE THE EXISTING 6" DIA. WATERLINE PRIOR TO ANY CONSTRUCTION. ALL EXCAVATION WITHIN 3 FEET OF WATERLINE SHALL BE BY MANUAL DIGGING.

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
Frank W. Whitmore III
REGISTERED CIVIL ENGINEER
5/23/16

DESIGNED: CG
DRAWN: RR
CHECKED: FW
DATE: 5/23/16
ROAD NUMBER: 1701

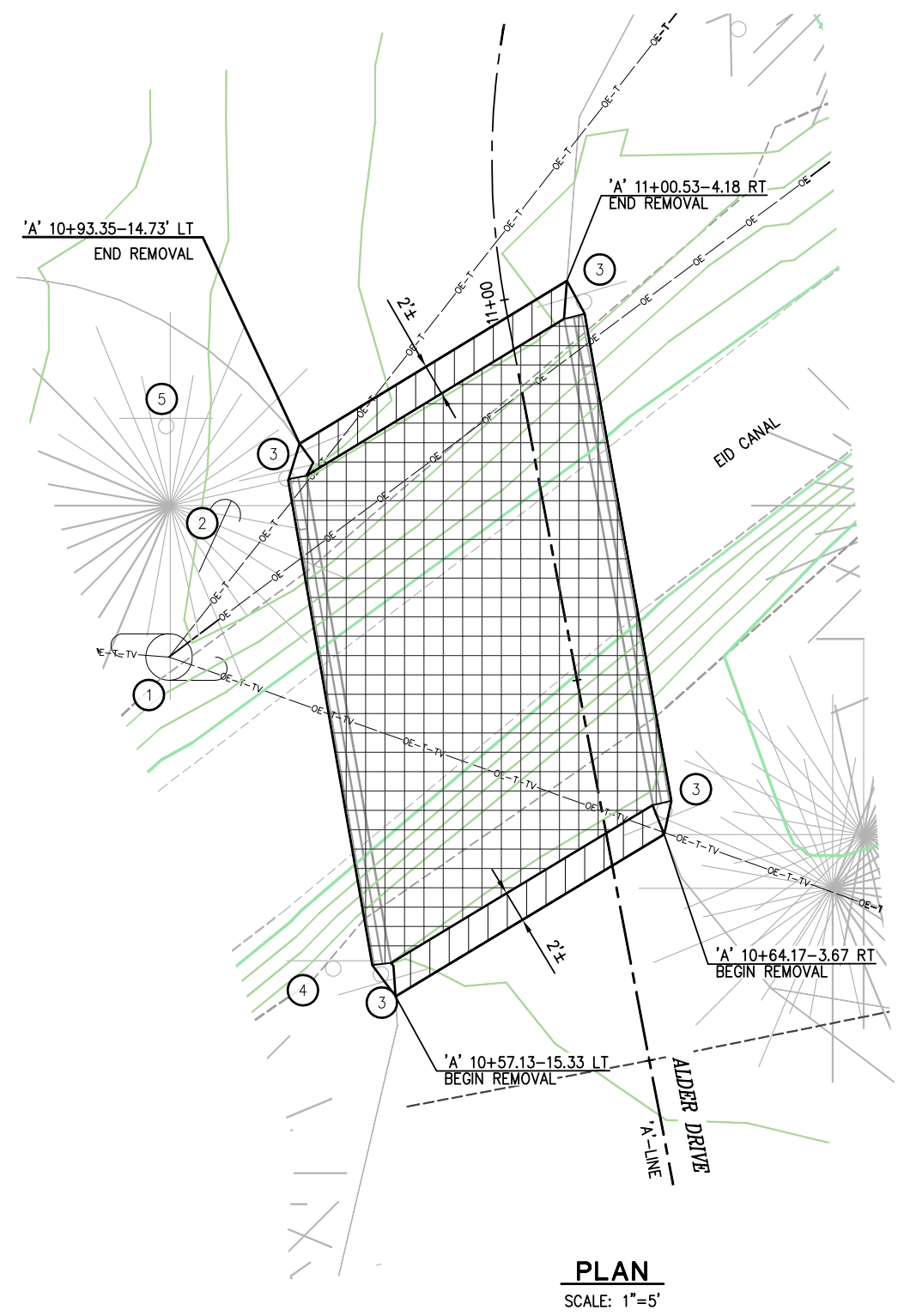


COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION

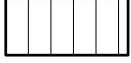
ALDER DRIVE AT EID CANAL BRIDGE
REPLACEMENT

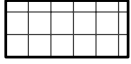
SHEET
D-4
11 OF 15
W.O. No. 77123

ORIGINAL SCALE IS IN INCHES
 Drawing name: C:\Civil_3D\Projects\77123 Alder Drive at EID canal\CADD Files\Sheets\DM-1.dwg Layout Tab: DM-1 May 24, 2016 - 11:00am BRichards
 FOR REDUCED PLANS
 REVISION



CONSTRUCTION NOTES:
 STA/OFFSETS PER 'A' ALIGNMENT
 THIS SHEET IS FOR BRIDGE DEMOLITION WORK ONLY, SEE DETOUR PLAN, SHEET DE-1, FOR ROAD CLOSURE AND SIGNING
 THE CONTRACTOR SHALL IDENTIFY ALL OVERHEAD UTILITIES IN THIS AREA PRIOR TO DEMOLITION WORK.

 ROADWAY DEMOLITION - APPROX 79 S.F.
 CONTRACTOR SHALL COMPLETELY REMOVE THE EXISTING BRIDGE DECK SUPPORTS.
 BACKFILL WITH PERVIOUS MATERIAL, AT 95% R.C.

 BRIDGE DECK DEMOLITION - APPROX 664 S.F.
 AREA OF DEMOLITION TO INCLUDE DECK AND 64 LF CONCRETE BARRIER RAILS.

- ① - UTILITY POLE, PROTECT IN PLACE
- ② - UTILITY GUY ANCHOR, PROTECT IN PLACE
- ③ - REMOVE AND SALVAGE TYPE P WARNING SIGNS, 4 TOTAL
- ④ - REMOVE R1-1 STOP SIGN. SEE SPD-1 SHEET
- ⑤ - R1-1 STOP SIGN, SEE SPD-1 SHEET

PLAN
 SCALE: 1"=5'

BRIDGE DEMOLITION PLAN
 SCALE : 1" = 5'

NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
Frank W. Whitmore III
 REGISTERED CIVIL ENGINEER
 DATE: 5/23/16

DESIGNED: CG
 DRAWN: RR
 CHECKED: FW
 DATE: 5/23/16
 ROAD NUMBER: 1701



COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION

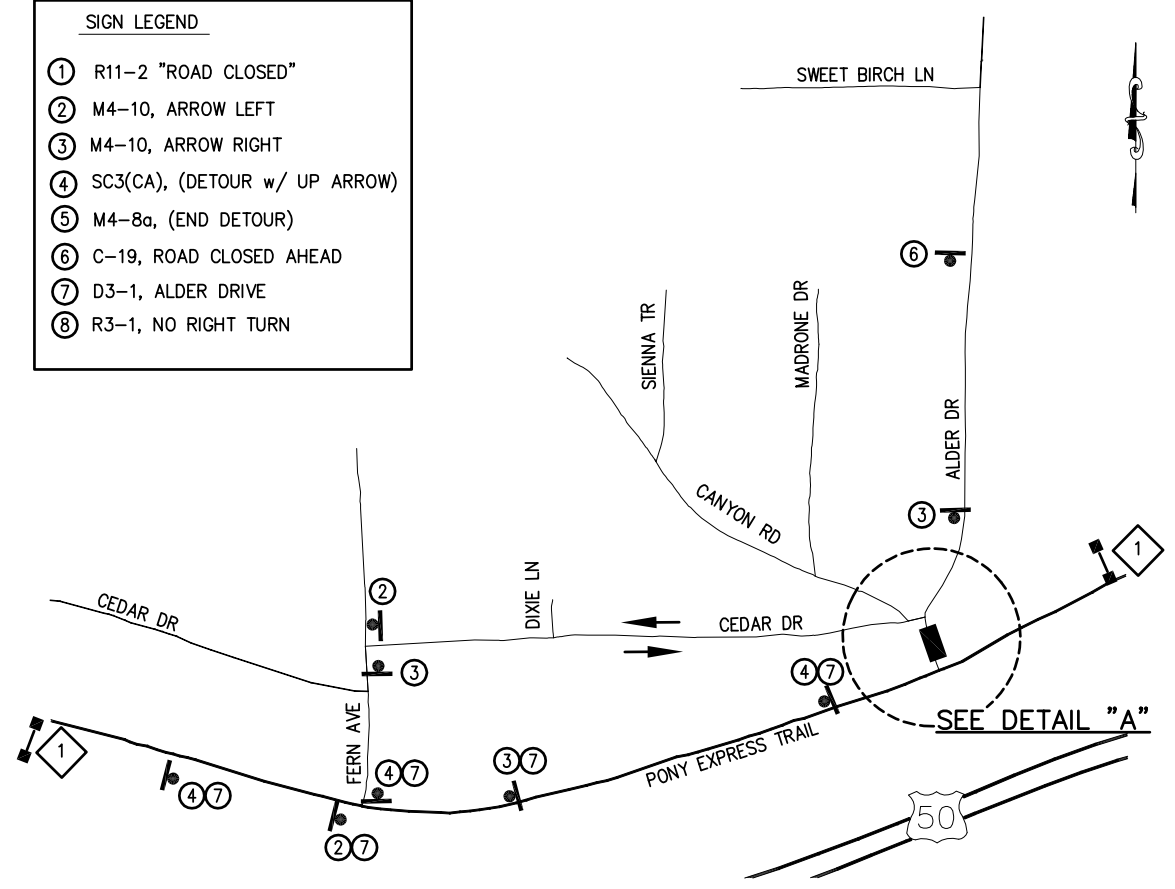
ALDER DRIVE AT EID CANAL BRIDGE REPLACEMENT

SHEET
DM-1
 12 OF 15
 W.O. No. **77123**

ORIGINAL SCALE IS IN INCHES
 Drawing name: C:\Civil_3D\Projects\77123 Alder Drive at EID Canal\CADD Files\Sheets\DE-1.dwg Layout Tab: DE-1 May 24, 2016 - 11:02am BRichards
 FOR REDUCED PLANS
 REVISION

SIGN LEGEND

①	R11-2 "ROAD CLOSED"
②	M4-10, ARROW LEFT
③	M4-10, ARROW RIGHT
④	SC3(CA), (DETOUR w/ UP ARROW)
⑤	M4-8a, (END DETOUR)
⑥	C-19, ROAD CLOSED AHEAD
⑦	D3-1, ALDER DRIVE
⑧	R3-1, NO RIGHT TURN



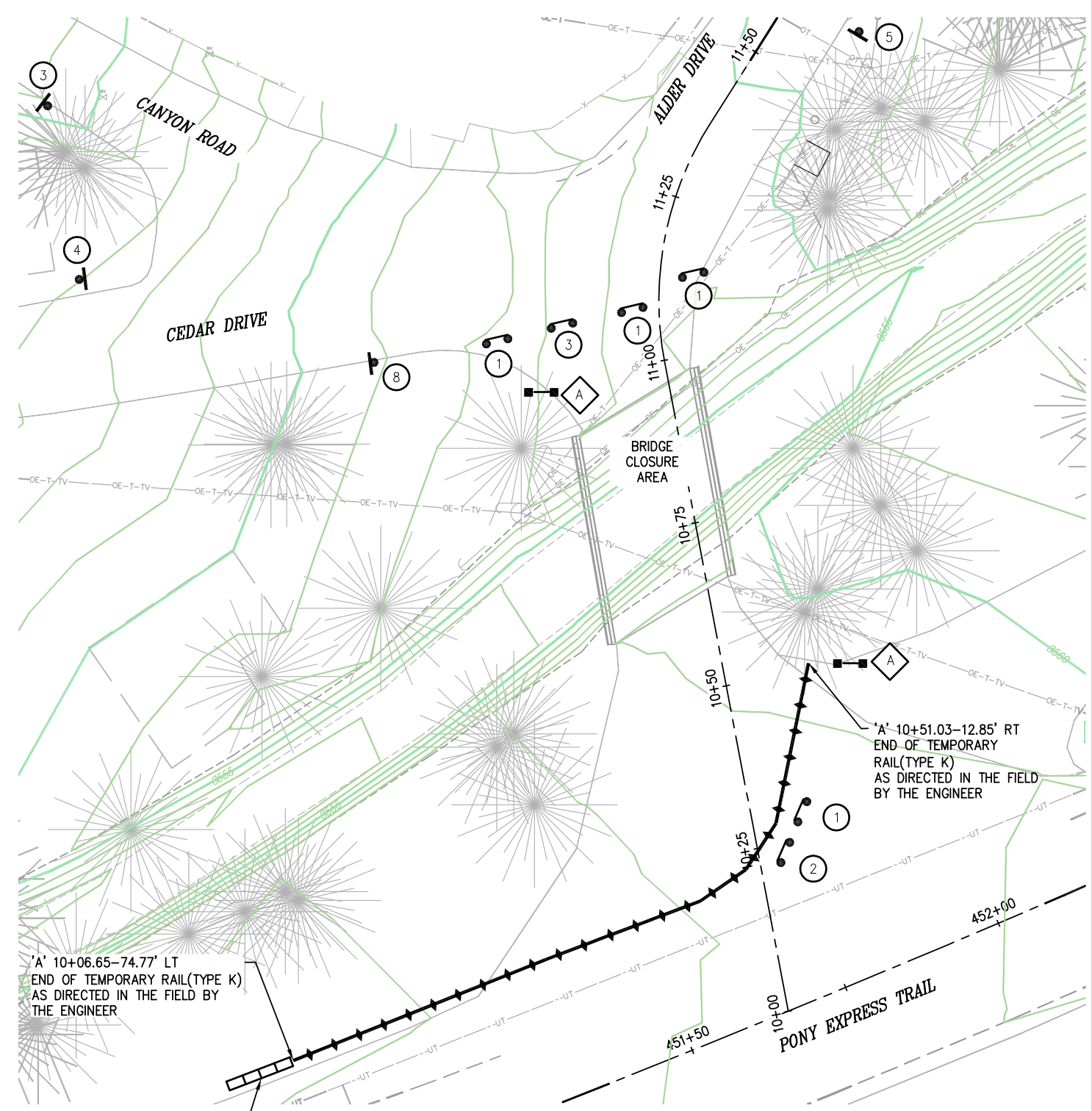
DETOUR PLAN
NTS

PCMS No.	FIRST FLASH	SECOND FLASH	THIRD FLASH
A	ALDER DRIVE BRIDGE CLOSED	(DATES CLOSED)	USE ALTERNATE ROUTE
1	ALDER DRIVE BRIDGE CLOSED	USE FERN AVENUE	FOR ALDER DRIVE

LEGEND

	CLOSURE AREA
	DIRECTION OF TRAVEL
	PCMS - PORTABLE CHANGABLE MESSAGE SIGN
	ADVANCED PLACEMENT PCMS - TO BE POSTED SEVEN (7) DAYS PRIOR TO CLOSURE PERIOD
	PCMS No. (POSTED DURING CLOSURE PERIOD)
	TYPE III BARRICADE w/ FLASHING BEACON
	TEMPORARY SIGN ON WOOD POST
	TEMPORARY RAIL (TYPE K)
	TEMPORARY CRASH CUSHION ABSORB 350

- NOTES:**
- ADVANCED WARNING SIGNS TO BE PLACED PER CALIFORNIA MANUAL ON TRAFFIC CONTROL DEVICES. EXACT LOCATION OF SIGNS, BARRICADES AND RAILING TO BE DETERMINED BY THE ENGINEER.
 - ALL DETOUR SIGNS WILL HAVE BLACK LETTERING OR SYMBOLS ON ORANGE BACKGROUND.
 - TEMPORARY RAIL (TYPE K) TO BE REMOVED PRIOR TO FINAL PAVING. PLACE PLASTIC TRAFFIC DRUMS AT 6 FOOT ON CENTER IN PLACE OF TEMPORARY RAIL(TYPE K)



DETAIL "A"
NTS

DETOUR PLAN
SCALE:NONE

NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
Frank W. Whitmore III
 REGISTERED CIVIL ENGINEER
 DATE: 5/23/16

DESIGNED: CG
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 CHECKED: FW
 DATE: 5/23/16
 ROAD NUMBER: 1701



COUNTY OF EL DORADO, CA
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION

ALDER DRIVE AT EID CANAL BRIDGE
REPLACEMENT

SHEET
DE-1
 13 OF 15
 W.O. No. **77123**

SIGNING AND STRIPING NOTES

1. LOCATION OF SIGNS IS APPROXIMATE, EXACT LOCATION AND POSITION OF SIGNS, DELINEATORS, AND OBJECT MARKERS TO BE DETERMINED BY THE ENGINEER.
2. SIGN DESIGNATION, PAVEMENT MARKINGS AND ARROWS TO CONFORM TO THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
3. STRIPING (MARKING) DETAIL NUMBERS DESIGNATED IN CIRCLES CORRESPOND TO CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS DETAILS SHEETS A20A, AND A20B DATED 2010.
4. PAVEMENT MARKING (STOP) PER CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLAN DETAIL A24D AND A24E.
5. SIGN POST LENGTHS GIVEN ARE APPROXIMATE. ACTUAL LENGTHS TO BE DETERMINED BY THE ENGINEER AFTER GRADING OPERATIONS ARE COMPLETED.
6. ALL STRIPING SHALL BE THERMOPLASTIC WITH ENGINEERED WET-NIGHT VISIBILITY AND ALL PAVEMENT MARKINGS AND LIMIT LINES SHALL BE THERMOPLASTIC WITH WET-NIGHT VISIBILITY, UNLESS OTHERWISE NOTED.
7. VERIFY HORIZONTAL AND VERTICAL LOCATION OF UNDERGROUND UTILITIES PRIOR TO SIGN POST INSTALLATION.
8. ALL EXISTING MARKERS AND SIGNS WITHIN THE CONSTRUCTION AREA SHALL BE REMOVED, SALVAGED AND RETURNED TO EL DORADO COUNTY TRANSPORTATION DIVISION.
9. THIS PLAN SHOWS ONLY PERMANENT CONSTRUCTION SIGNS DURING CONSTRUCTION. THE CONTRACTOR SHALL PLACE ADDITIONAL CONSTRUCTION SIGNS FOR DETOURS OR TRAFFIC HANDLING DURING CONSTRUCTION IN ACCORDANCE WITH STANDARD PLANS AND SPECIFICATIONS.
10. ALL PERMANENT SIGNS SHALL BE 0.08 INCH ALUMINUM PANELS.

SIGNING LEGEND

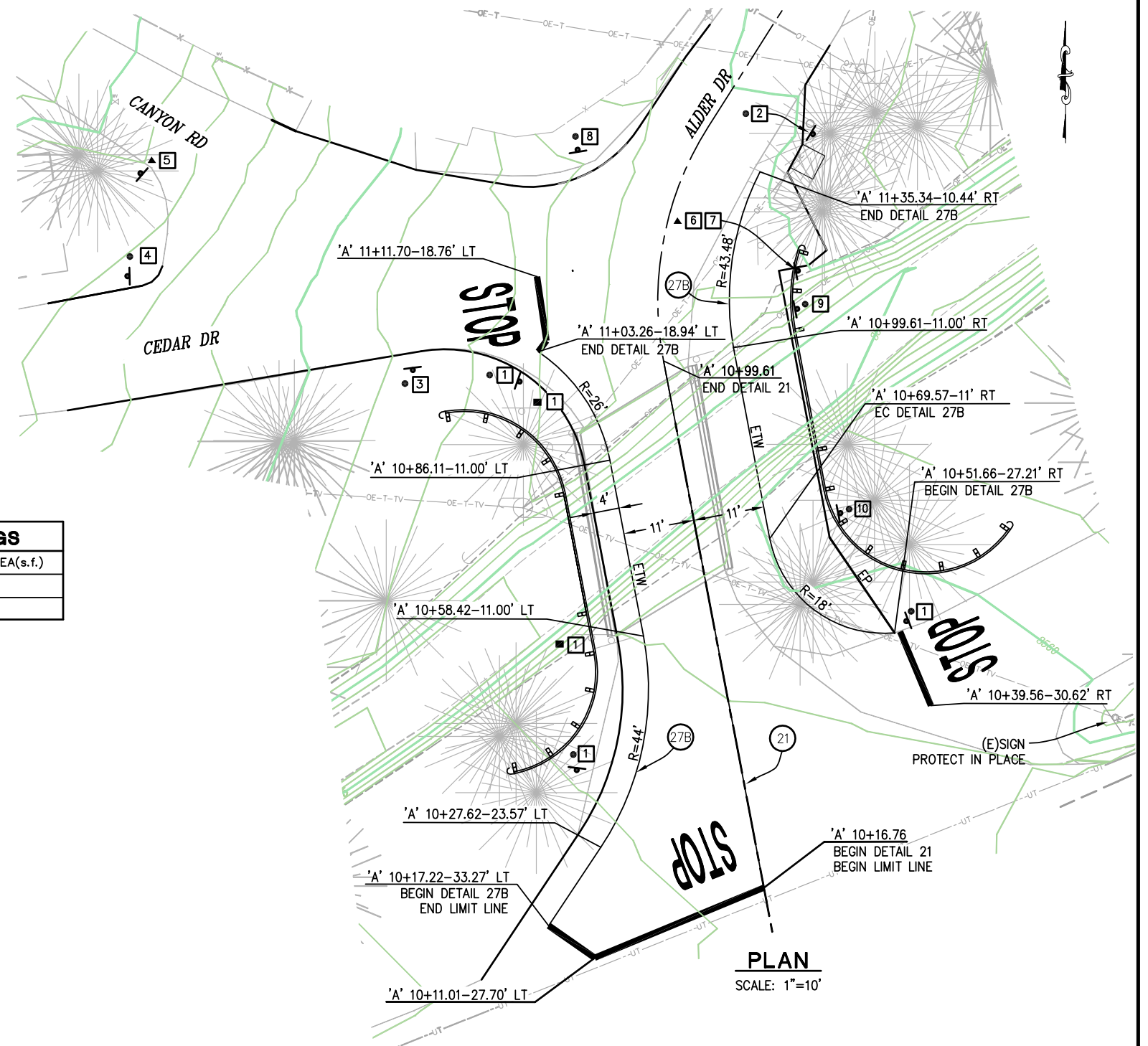
- EXIST. SIGN
- ▲ INSTALL SIGN
- ▲ REMOVE EXISTING ROADSIDE SIGNS AND POST
PLACE NEW ROADSIDE SIGN(S) AND POST(ONE POST)
- PLACE NEW ROADSIDE SIGN(S) AND POST(ONE POST)
- REMOVE EXISTING ROADSIDE SIGN(S) AND POST(ONE POST)

THERMOPLASTIC TRAFFIC STRIPE				
SYMBOL	DESCRIPTION	STANDARD PLAN	YELLOW 4" WIDE	WHITE 4" WIDE
21	CENTERLINE	A20A	166	
27B	EDGE LINE	A20B		163

THERMOPLASTIC PAVEMENT MARKINGS				
SYMBOL	DESCRIPTION	STANDARD PLAN	LOCATIONS	TOTAL AREA(s.f.)
STOP	"STOP" LEGEND	A24D	3	66
	LIMIT LINE	A24E	3	65

SIGN QUANTITIES

SIGN NO.	SIGN	CALIFORNIA MUTCD CODE	PANEL SIZE (INCHES)	POST SIZE & LENGTH		ROADSIDE SIGNS			PROPOSED LOCATION (APPROXIMATELY)
				4" X 4"	1.5" X 3"	INSTALL (STRAP & SADDLE) EA	ONE POST (WOOD) EA	ONE STEEL U-POST EA	
1	'STOP'	R1-1	36	15				1	'A' 10+40-25' LT
									'A' 10+53.09-29.35' RT
									'A' 11+03.32-33' LT
2	STREET NAME (ALDER)	D3-1	VARIABLE		10			1	'A' 11+45-14.2' RT
3	STREET NAME (CEDAR)	D3-1	VARIABLE		10			1	'A' 11+02.9-38.5' LT
4	STREET NAME (CEDAR)	D3-1	VARIABLE		10			1	'A' 11+10.4-82' LT
5	STREET NAME (CANYON)	D3-1	VARIABLE		10			1	'A' 11+16.5-81.4' LT
6	OBJECT MARKER	N-1						1	'A' 11+16.7-21.3' RT
7	WARNING SIGN	W1-7							'A' 11+16.7-21.3' RT
8	STREET NAME (CANYON) STREET NAME (CEDAR)	G8-4	VARIABLE		12			2	'A' 11+26.9-17' LT
9	NO STOPPING ANYTIME →	R28 (S)	12"x18"		12			1	'A' 11+02-22' RT
10	← NO STOPPING ANYTIME	R28 (S)	12"x18"		12			1	'A' 10+73-22' RT
TOTAL								3	9



PLAN
SCALE: 1"=10'

STRIPING, SIGNING AND PAVEMENT DELINEATION AS NOTED

ORIGINAL SCALE IS IN INCHES
Drawing name: C:\Civil_3D\Projects\77123 Alder Drive at EID Canal\CADD Files\Sheets\SPD-1.dwg
Layout Tab: SPD-1 May 24, 2016 - 11:05am BRichards

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
Frank W. Whitmore III
REGISTERED CIVIL ENGINEER
5/23/16

DESIGNED: CG
DRAWN: RR
CHECKED: FW
DATE: 5/23/16
ROAD NUMBER: 1701



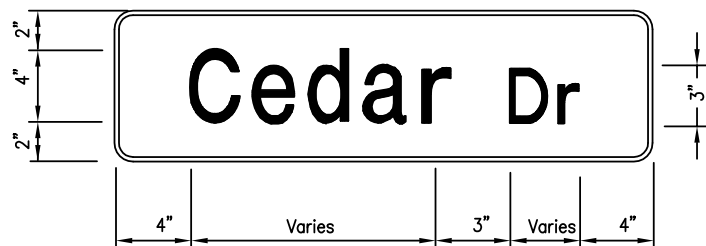
COUNTY OF EL DORADO, CA
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION

ALDER DRIVE AT EID CANAL BRIDGE REPLACEMENT

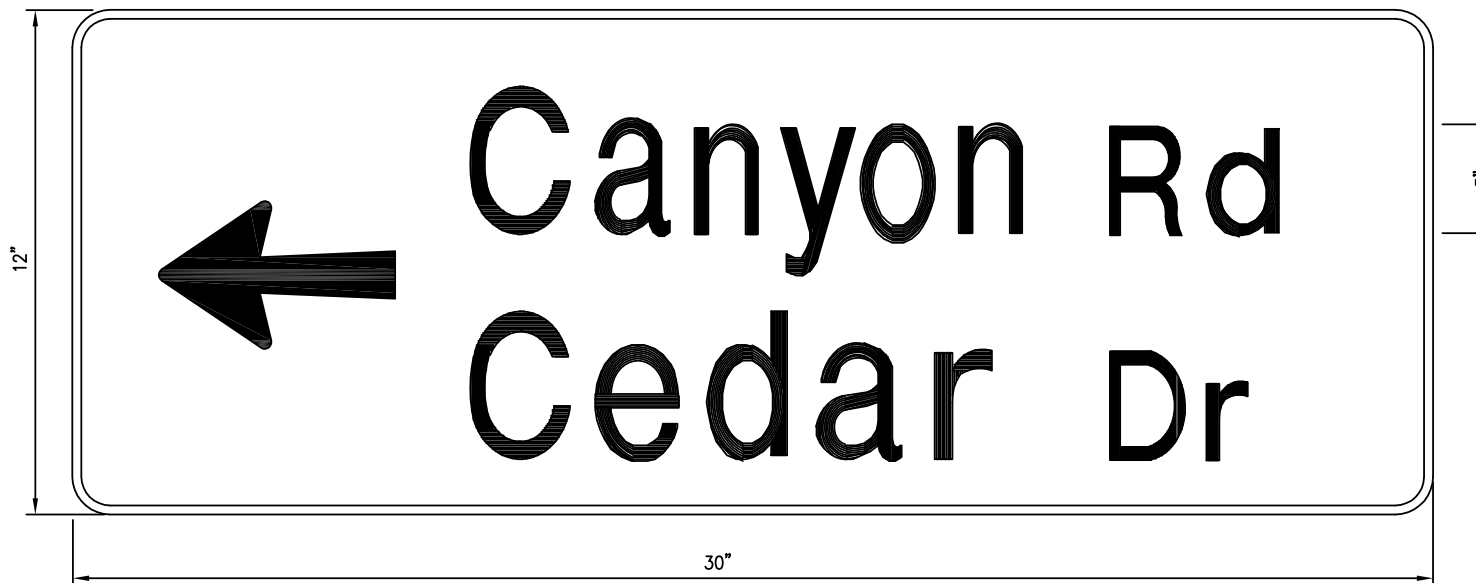
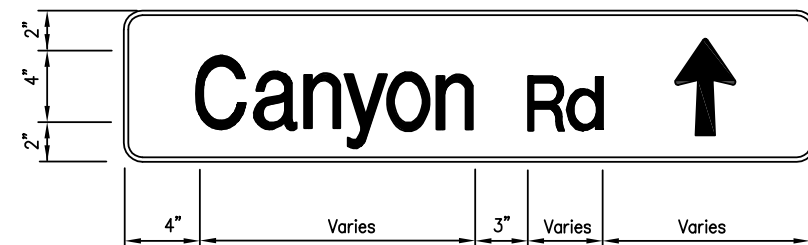
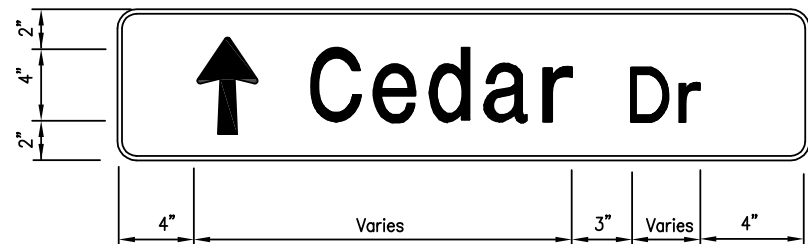
SHEET
SPD-1
14 OF 15
W.O. No. 77123

ROADSIDE SIGN PANEL QUANTITIES

SIGN CODE	SIGN MESSAGE/DESCRIPTION	SIGN SIZE W x L (INCHES)	SIGN AREA (SQFT)	NUMBER OF SIGNS	BACKGROUND		LEGEND		PROTECTIVE-FILM OVERLAY PREMIUM	FURNISH SINGLE SHEET ALUMINUM SIGN		REMARKS
					SHEETING COLOR	RETROREFLECTIVE ASTM TYPE	SHEETING COLOR	RETROREFLECTIVE ASTM TYPE		UNFRAMED		
										0.063" SQFT	0.080" SQFT	
W1-7	WARNING	12 x 24	2	1	YELLOW		BLACK	IX	X		2	
N-1(CA)	YELLOW OBJECT MARKER	18 x 18	2.25	1	YELLOW	III		IX	X	2.25		
D3-1	Alder Dr	8 X 24	1.34	1	GREEN	IV	WHITE	IX	X		1.34	
D3-1	Cedar Dr	8 X 24	1.34	1	GREEN	IV	WHITE	IX	X		1.34	
D3-1	↑ Cedar Dr	8 X 30	1.67	1	GREEN	IV	WHITE	IX	X		1.67	
D3-1	Canyon Rd ↑	8 X 30	1.67	1	GREEN	IV	WHITE	IX	X		1.67	
G8-4	Canyon/Cedar (combined)	12 X 30	2.5	1	GREEN	IV	WHITE	IX	X		2.5	
TOTAL										2.25	10.52	



D3-1
0.5" BORDER WITH 1" RADIUS
"Alder" E Mod; "Dr" E Mod
"Cedar" E Mod; "Dr" E Mod
"Cedar" E Mod; "Rd" E Mod (with arrow)
"Canyon" E Mod; "Rd" E Mod (with arrow)



G8-4 4" B series letters, 4" arrow

0.5" BORDER WITH 1" RADIUS
"Canyon" E Mod; "Rd" E Mod
"Cedar" E Mod; "Dr" E Mod

- NOTES:
1. ALL SIGN PANEL DIMENSIONS ARE IN INCHES.
2. TOTAL - 4, D3-1 SIGNS

STRIPING, SIGNING AND PAVEMENT DELINEATION
SCALE: NONE

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES
Drawing name: C:\Civil_3D\Projects\77123 Alder Drive at EID canal\CADD Files\Sheets\SPD-1.dwg Layout Tab: SPD-2 May 24, 2016 - 11:04am BRichards

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
Frank W. Whitmore III
REGISTERED CIVIL ENGINEER
5/23/16

DESIGNED: CG
DRAWN: RR
CHECKED: FW
DATE: 5/23/16
ROAD NUMBER: 1701



COUNTY OF EL DORADO, CA
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION

ALDER DRIVE AT EID CANAL BRIDGE
REPLACEMENT

SHEET
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15 OF 15
W.O. No. 77123