

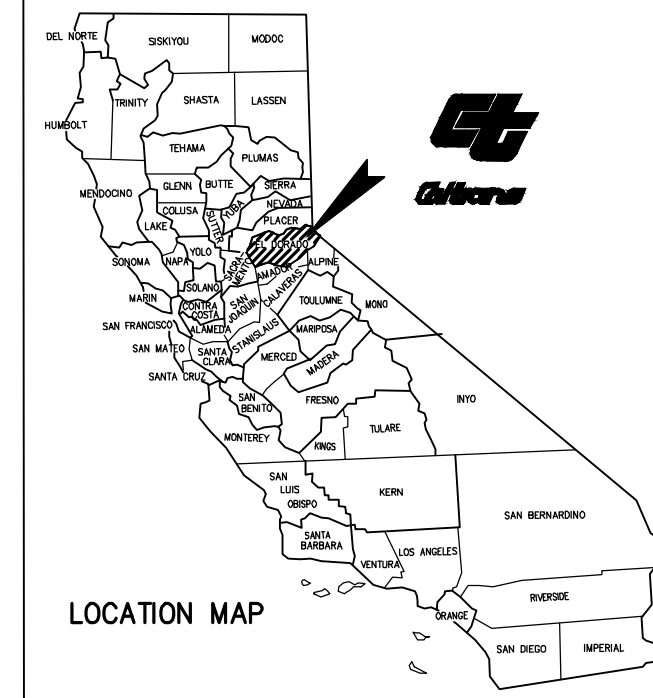
INDEX OF SHEETS

SHEET	PLAN SHEET	TITLE
1		TITLE SHEET
2	CD-1	SURVEY CONTROL DIAGRAM
3-5	X-1 TO X-3	TYPICAL SECTIONS
6-10	L-1 TO L-5	LAYOUT
11-12	L-6 TO L-7	COLD PLANE / LEVEL LIMITS
13-15	P-1 TO P-3	PROFILE
16-20	C-1 TO C-5	CONSTRUCTION DETAILS
21-25	D-INDEX TO D-4	DRAINAGE INDEX, DRAINAGE SYSTEMS
26-29	U-1 TO U-4	UTILITIES
30-34	SC-1 TO SC-5	STAGE CONSTRUCTION
35-40	SPD-1 TO SPD-6	PAVEMENT DELINEATION
41-42	EC-1 TO EC-2	EROSION CONTROL / FENCING PLAN
43-46	E-1 TO E-4	SIGNAL AND LIGHTING

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY 49**

IN THE COUNTY OF EL DORADO, DISTRICT 3
APPROXIMATELY 0.5 MILES SOUTHWEST OF THE
PLEASANT VALLEY ROAD/MISSOURI FLAT ROAD INTERSECTION
To be supplemented with Standard Plans and Specifications dated 2010, including the
Revised Standard Specifications (RSS) to the 2010 Standard Specifications of the
California Department of Transportation, unless otherwise noted.

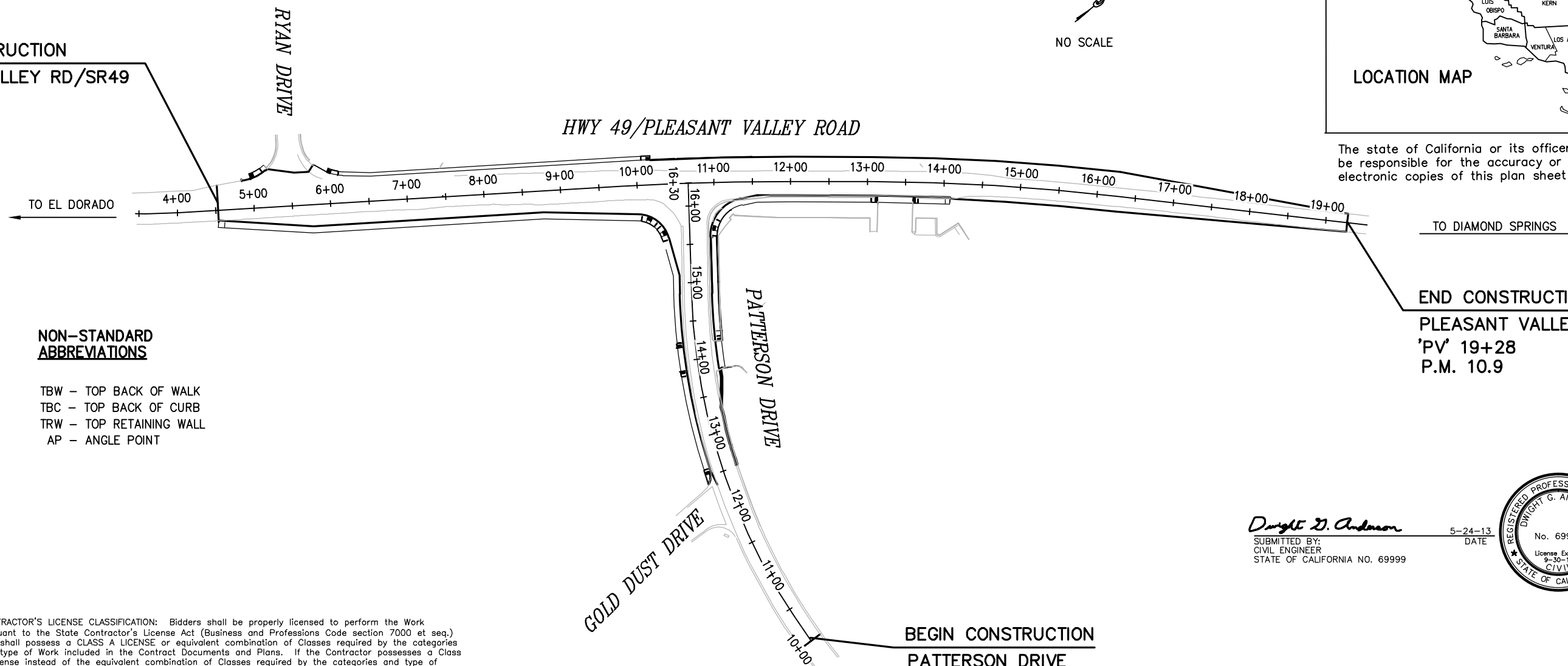
DIST	COUNTY	ROUTE	POST MILES	TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	ED	SR49	10.6 TO 10.9		1	46



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BEGIN CONSTRUCTION

PLEASANT VALLEY RD/SR49
'PV' 4+53.00
P.M. 10.6



NON-STANDARD ABBREVIATIONS

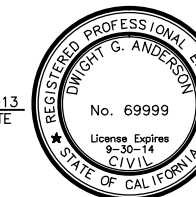
- TBW - TOP BACK OF WALK
- TBC - TOP BACK OF CURB
- TRW - TOP RETAINING WALL
- AP - ANGLE POINT

Approved as to impact on State facilities and conformance with applicable State Standards and Practices and that technical oversight was performed as described in the California Department of Transportation A&E Consultant Services Manual.

CONTRACTOR'S LICENSE CLASSIFICATION: Bidders shall be properly licensed to perform the Work pursuant to the State Contractor's License Act (Business and Professions Code section 7000 et seq.) and shall possess a CLASS A LICENSE or equivalent combination of Classes required by the categories and type of Work included in the Contract Documents and Plans. 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 for an award of the Contract shall constitute a failure to execute the Contract, and forfeiture as provided under that section.

Dwight J. Anderson
SUBMITTED BY:
CIVIL ENGINEER
STATE OF CALIFORNIA NO. 69999

5-24-13
DATE



END CONSTRUCTION

PLEASANT VALLEY RD/SR49
'PV' 19+28
P.M. 10.9

BEGIN CONSTRUCTION
PATTERSON DRIVE
'P' 10+00

PW 09-30425

CU 03-0303

CONTRACT NO. 73320
EA 03-3E980

ADOPTED AND APPROVED BY:	
<i>Ron V. Briggs</i> RON V. BRIGGS CHAIRMAN, EL DORADO COUNTY BOARD OF SUPERVISORS	9-10-13 DATE
<i>Kimberly A. Kern</i> APPROVED BY: KIMBERLY A. KERN DIRECTOR OF TRANSPORTATION/COMMUNITY DEVELOPMENT AGENCY ACTING DIRECTOR	9/10/13 DATE
<i>Matthew D. Smeltzer</i> MATTHEW D. SMELTZER, P.E. NO. C56632 DEPUTY DIRECTOR, ENGINEERING	9/9/13 DATE

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

2850 FAIRLANE COURT
PLACERVILLE, CA 95667
(916) 621-5900



REVISIONS		
MARK	DATE	BY

BOARD OF SUPERVISORS	
RON MIKULACO	I
RAYMOND J. NUTTING	II
BRIAN VEERKAMP	III
RON V. BRIGGS	IV
NORMA SANTIAGO	V

PLEASANT VALLEY RD (SR49)
PATTERSON DRIVE
INTERSECTION SIGNALIZATION

TITLE SHEET

SHEET 1 OF 46

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	2	46

Tom A. Man...
 PROFESSIONAL LAND SURVEYOR
 5-24-13
 PLANS APPROVAL DATE _____
 COUNTY OF EL DORADO
 PLACERVILLE, CA. 95667

No. LS 8117
 License Expires 12-31-14
 STATE OF CALIFORNIA

'PV' ALIGNMENT LINE DATA

LINE #	LENGTH	BEARING	START POINT	END POINT
L1	101.95	N57° 28' 11"E	2014019.99, 6894422.41	2014074.81, 6894508.37
L2	577.63	N36° 34' 32"E	2014278.19, 6894726.64	2014742.07, 6895070.84
L3	103.48	N40° 13' 33"E	2014916.49, 6895209.09	2014995.50, 6895275.92
L4	341.72	N46° 34' 25"E	2015228.33, 6895496.09	2015463.23, 6895744.27

'PV' ALIGNMENT CURVE DATA

CURVE #	RADIUS	LENGTH	CHORD DIRECTION	START POINT	END POINT
C1	822.66	300.00	N47° 01' 21"E	2014074.81, 6894508.37	2014278.19, 6894726.64
C2	3494.00	222.60	N38° 24' 03"E	2014742.07, 6895070.84	2014916.49, 6895209.09
C3	2893.98	320.61	N43° 23' 59"E	2014995.50, 6895275.92	2015228.33, 6895496.09

'P' ALIGNMENT LINE DATA

LINE #	LENGTH	BEARING	START POINT	END POINT
L5	144.53	N51° 43' 05"W	2014721.79, 6895237.04	2014811.33, 6895123.59

'P' ALIGNMENT CURVE DATA

CURVE #	RADIUS	LENGTH	CHORD DIRECTION	START POINT	END POINT
C4	803.24	485.40	N69° 01' 48"W	2014550.70, 6895683.42	2014721.79, 6895237.04

CONTROL

NUMBER	DESCRIPTION	ELEVATION	NORTHING	EASTING
60	10" SPIKE	1741.05	6895110.825	2014714.240
61	MAG NAIL	1741.65	6895369.939	2014988.703
25	MAG NAIL	1728.31	6894760.294	2014394.262

DENOTES CONTROL POINT LOCATION

HORIZONTAL DATUM

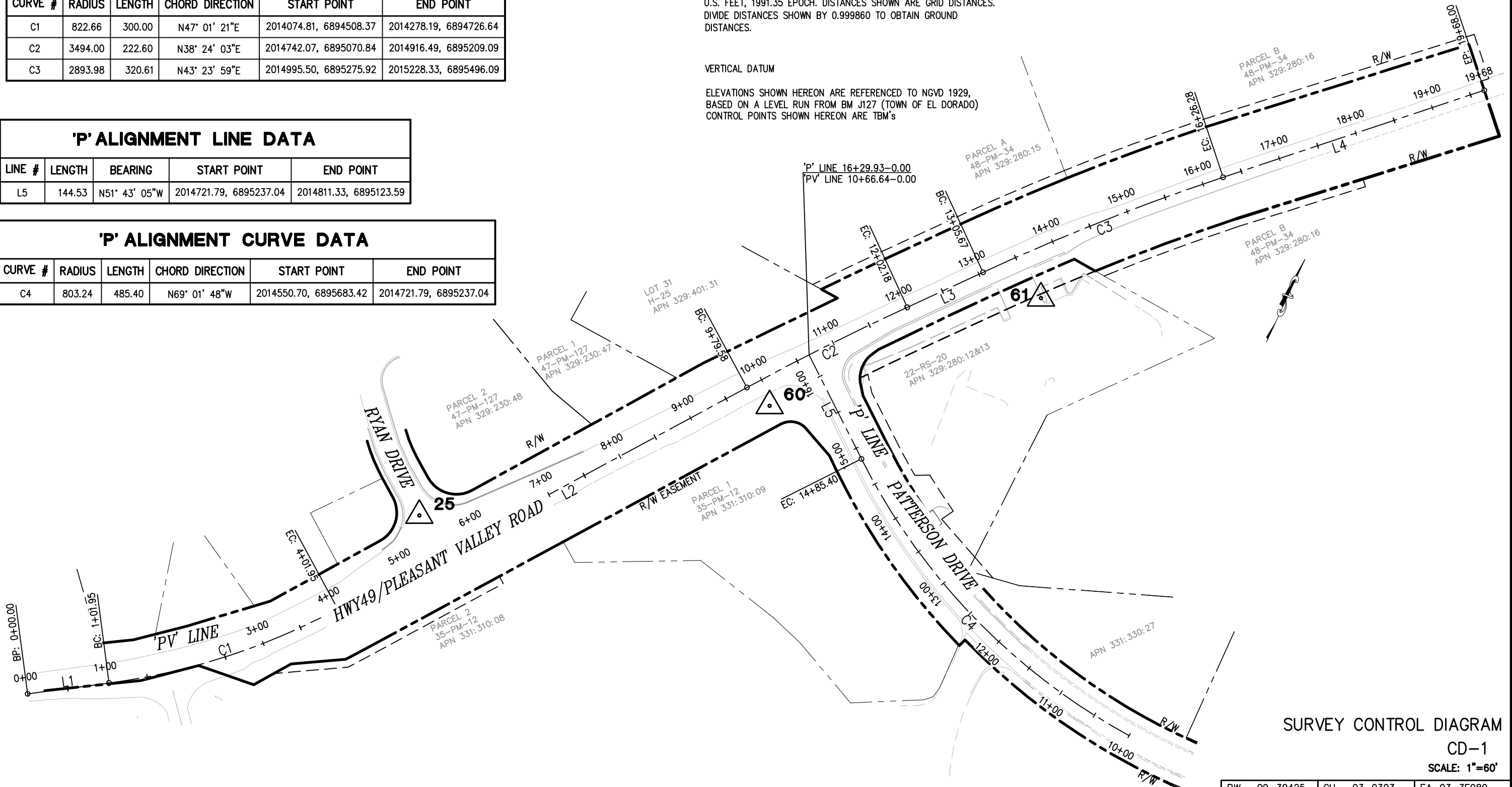
BEARINGS, DISTANCES, STATIONING AND COORDINATES SHOWN ARE ON THE CALIFORNIA STATE COORDINATE SYSTEM, NAD 83 ZONE 2, U.S. FEET, 1991.35 EPOCH. DISTANCES SHOWN ARE GRID DISTANCES. DIVIDE DISTANCES SHOWN BY 0.999860 TO OBTAIN GROUND DISTANCES.

VERTICAL DATUM

ELEVATIONS SHOWN HEREON ARE REFERENCED TO NGVD 1929, BASED ON A LEVEL RUN FROM BM J127 (TOWN OF EL DORADO) CONTROL POINTS SHOWN HEREON ARE TBM's

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DEPARTMENT OF TRANSPORTATION
 EL DORADO COUNTY
 PROJECT ENGINEER
 CALCULATED/DESIGNED BY
 CHECKED BY
 DATE
 REVISED BY
 DATE
 REVISED BY
 DATE



SURVEY CONTROL DIAGRAM
CD-1
SCALE: 1"=60'

Drawing Name: C:\Civil 3D Projects\73320 Patterson at Hwy 49\Drawings\Sheets\CD-1.dwg, Layout Tab: CD-1, Last Saved: Tue, 16 Jul 2013 - 9:02am, BRichards

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	3	46

Dwight G. Anderson
REGISTERED CIVIL ENGINEER

5-24-13
PLANS APPROVAL DATE

COUNTY OF EL DORADO
PLACERVILLE, CA. 95667

REGISTERED PROFESSIONAL ENGINEER
Dwight G. Anderson
No. 69999
License Expires 9-30-14
CIVIL
STATE OF CALIFORNIA

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CONSTRUCTION NOTES:

- 1 - 0.65' HMA (TYPE A)(INCLUDES FINAL 0.20' OVERLAY)
0.60' AB (CLASS 2)
- 2 - 0.20' HMA (TYPE A) - OVERLAY
- 3 - CURB AND GUTTER TYPE B2-6 PER A87A
ALL STATIONS UNLESS NOTED, SEE DETAIL SHEET C-1
- 4 - TYPE B1-6 CURB PER A87A
- 5 - 5' WIDE AC WALK, 0.35AC OVER 0.35 CLASS II AB
1.5% SLOPE TO FL
2' WIDE CHOKER BEHIND WALK IN FILL-STA 7+65 TO 9+20
1.5% SLOPE (SAME AS WALK)
- 6 - LEVELING COURSE, SEE L-6 & L-7 FOR LIMITS
- 7 - 1.0' MINIMUM DEEP LIFT, SEE SHEET L-6 FOR LIMITS
(DOES NOT INCLUDE FINAL 0.20' OVERLAY)

NOTES:

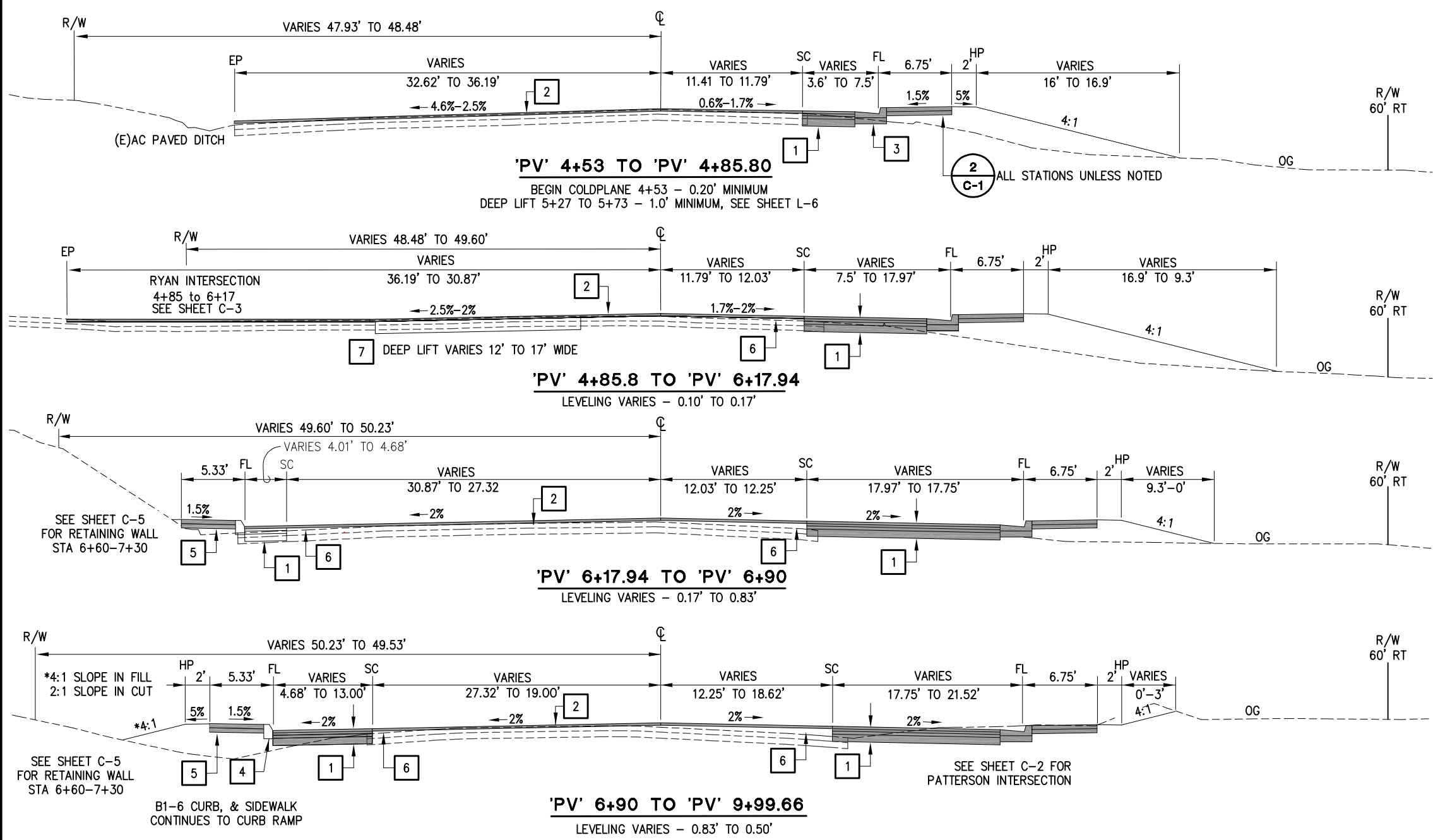
BEGIN PROJECT AT STA 4+53, OCCURS IN EXISTING SUPER ELEVATION TRANSITION OF HWY49 AND CONTINUES THROUGH RYAN INTERSECTION.

STATION / OFFSET DATA PER "PV" ALIGNMENT

4:1 CUT/FILL UNLESS NOTED

CUT OR FILL SHOULDERS BEYOND EP AND/OR BEHIND SIDEWALK, TO BE GRADED AT 5% ± UNLESS NOTED OTHERWISE.

SEE SHEETS L-6 & L-7 FOR COLD PLANE AND LEVELING LIMITS



TYPICAL SECTIONS

X-1

SCALE: NO SCALE UNLESS NOTED

PW	09-30425	CU	03-0303	EA	03-3E980
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REVISIONS: BY DATE

CALCULATED/DESIGNED BY CHECKED BY

PROJECT ENGINEER

DEPARTMENT OF TRANSPORTATION
EL DORADO COUNTY

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES

Drawing Name: C:\Civil 3D Projects\3320 Patterson at Hwy 49\Drawings\Sheets\X-1.dwg, Layout Tab: X-1, Last Saved: Wed, 07 Aug 2013 - 11:56am, BRichards

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	4	46

Dwight J. Anderson
REGISTERED CIVIL ENGINEER

5-24-13
PLANS APPROVAL DATE

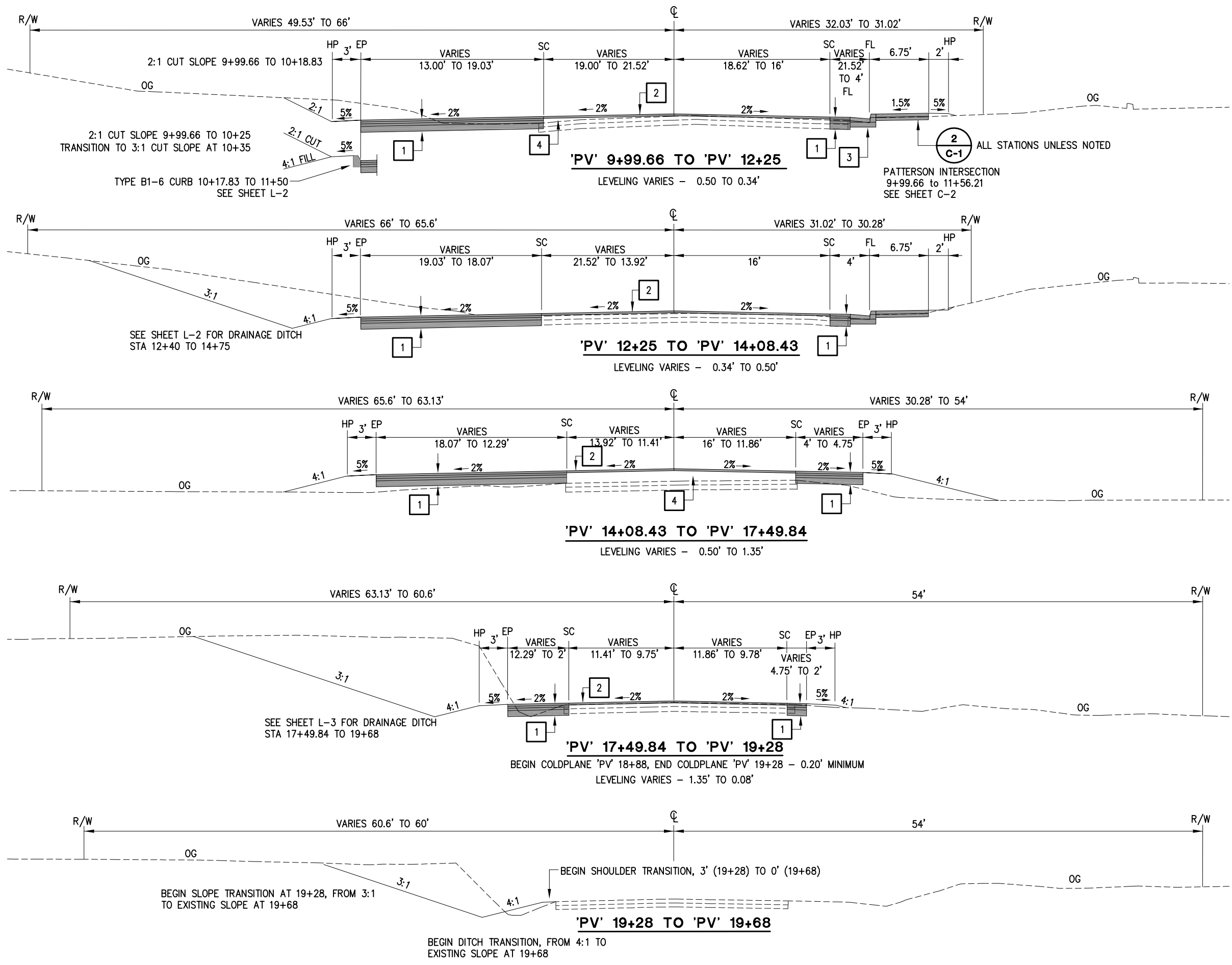
COUNTY OF EL DORADO
PLACERVILLE, CA. 95667

REGISTERED PROFESSIONAL ENGINEER
Dwight G. Anderson
No. 69999
License Expires 9-30-14
CIVIL
STATE OF CALIFORNIA

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- CONSTRUCTION NOTES:**
- 1 - 0.65' HMA (TYPE A)(INCLUDES 0.20' FINAL OVERLAY) 0.60' AB (CLASS 2)
 - 2 - 0.20' HMA (TYPE A) - OVERLAY
 - 3 - TYPE B2-6 CURB AND GUTTER PER A87A ALL STATIONS UNLESS NOTED
 - 4 - LEVELING COURSE, SEE SHEET L-6 & L-7 FOR LIMITS

- NOTES:**
- STATION / OFFSET DATA PER "PV" ALIGNMENT
 - 4:1 CUT/FILL UNLESS NOTED
 - CUT OR FILL SHOULDERS BEYOND EP AND/OR BEHIND SIDEWALK, TO BE GRADED AT 5% ± UNLESS NOTED OTHERWISE.
 - SEE SHEETS L-6 & L-7 FOR COLD PLANNING AND LEVELING LIMITS



TYPICAL SECTIONS
X-2
SCALE: NO SCALE UNLESS NOTED

PW	09-30425	CU	03-0303	EA	03-3E980
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REVISIONS

NO.	DATE	BY	REVISION

CALCULATED/DESIGNED BY: _____

CHECKED BY: _____

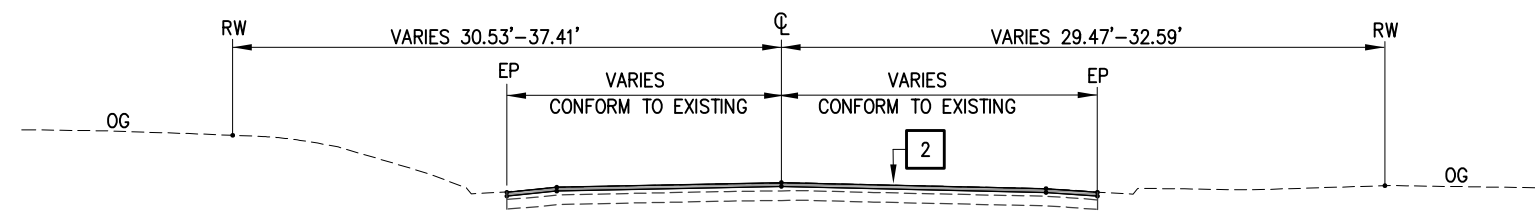
PROJECT ENGINEER: _____

DEPARTMENT OF TRANSPORTATION
EL DORADO COUNTY

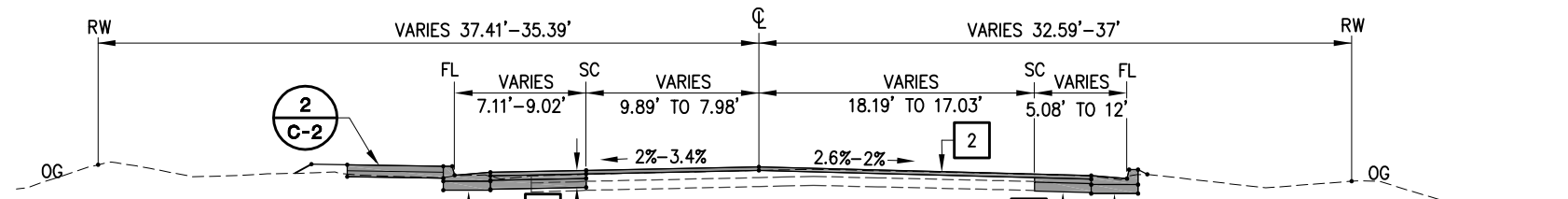
FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES

3
2
1
0

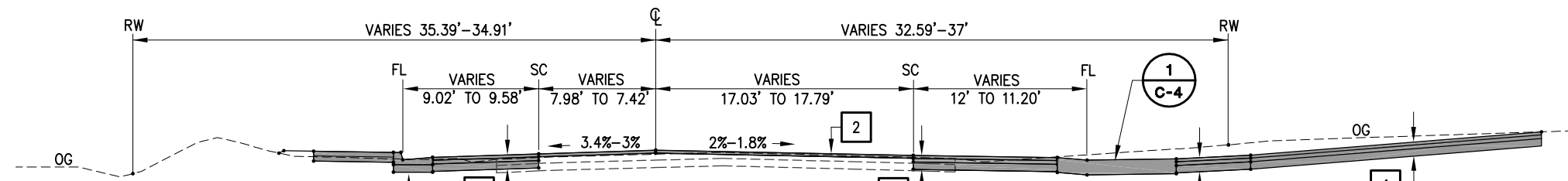
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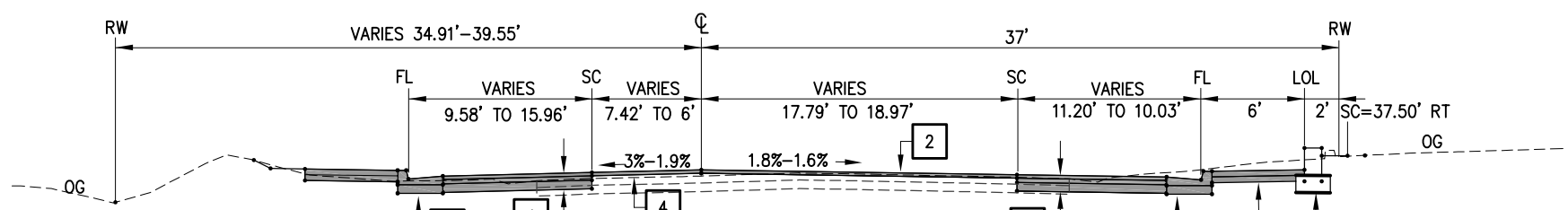
'P' STA 10+00 TO 'P' STA 12+36.24
LEFT AND RIGHT COLDPLANE LIMITS ARE DEFINED BY THE LIP OF THE EXISTING GUTTER
0.20' MINIMUM COLDPLANE



'P' STA 12+36.24 TO 'P' STA 13+81.87
BEGIN A2-6 CURB, STA 12+52.45 LT
END A2-6 CURB, STA 15+47.77 LT
END OF COLDPLANE ON LEFT SIDE, 'P' 13+75
BEGIN TYPE A2-6 CURB
STA 12+52.46-20.31' RT TO 13+81.87-29' RT
2:1 CUT/FILL FROM TOP BACK OF CURB



'P' STA 13+81.87 TO 'P' STA 14+20.59
END OF COLDPLANE ON RIGHT SIDE, 'P' 14+20
SEE DRIVEWAY LIMITS, SHEET C-4



'P' STA 14+20.59 TO 'P' STA 15+30
LEVELING VARIES - 0.08' TO 0.16'

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	5	46

Dwight G. Anderson
REGISTERED CIVIL ENGINEER

5-24-13
PLANS APPROVAL DATE

COUNTY OF EL DORADO
PLACERVILLE, CA. 95667

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CONSTRUCTION NOTES:

- 1 - 0.45' HMA (TYPE A)(INCLUDES 0.20' FINAL OVERLAY)
0.50' AB (CLASS 2)
- 2 - 0.20' HMA (TYPE A) - OVERLAY
- 3 - CURB AND GUTTER TYPE A2-6 PER A87A
ALL STATIONS UNLESS NOTED, SEE DETAIL SHEET C-1
- 4 - LEVELING COURSE, SEE SHEET L-6 & L-7 FOR LIMITS
- 5 - RETAINING WALL. SEE SHEETS C-4
- 6 - PCC SIDEWALK, 0.33' PCC OVER 0.42' AB (CLASS 2)

NOTES:

- STATION / OFFSET DATA PER "PD" ALIGNMENT
- 4:1 CUT/FILL UNLESS NOTED
- CUT OR FILL SHOULDERS BEYOND EP AND/OR BEHIND SIDEWALK, TO BE GRADED AT 5% ± UNLESS NOTED OTHERWISE.

DEPARTMENT OF TRANSPORTATION
EL DORADO COUNTY

PROJECT ENGINEER

CALCULATED/DESIGNED BY

CHECKED BY

DATE

REVISIONS

BY

DATE

REVISED

DATE

REVISED



TYPICAL SECTIONS
X-3

SCALE: NO SCALE UNLESS NOTED

PW	09-30425	CU	03-0303	EA	03-3E980
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Drawing Name: C:\Civil 3D\Projects\73320 Patterson at Hwy 49\Drawings\Sheets\X-1.dwg, Layout Tab: X-3, Last Saved: Fri, 19 Jul 2013 - 7:41am, BRichards

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	6	46

Dwight G. Anderson		
REGISTERED	CIVIL	ENGINEER

5-24-13	PLANS	APPROVAL	DATE
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COUNTY OF EL DORADO	
PLACERVILLE, CA. 95667	

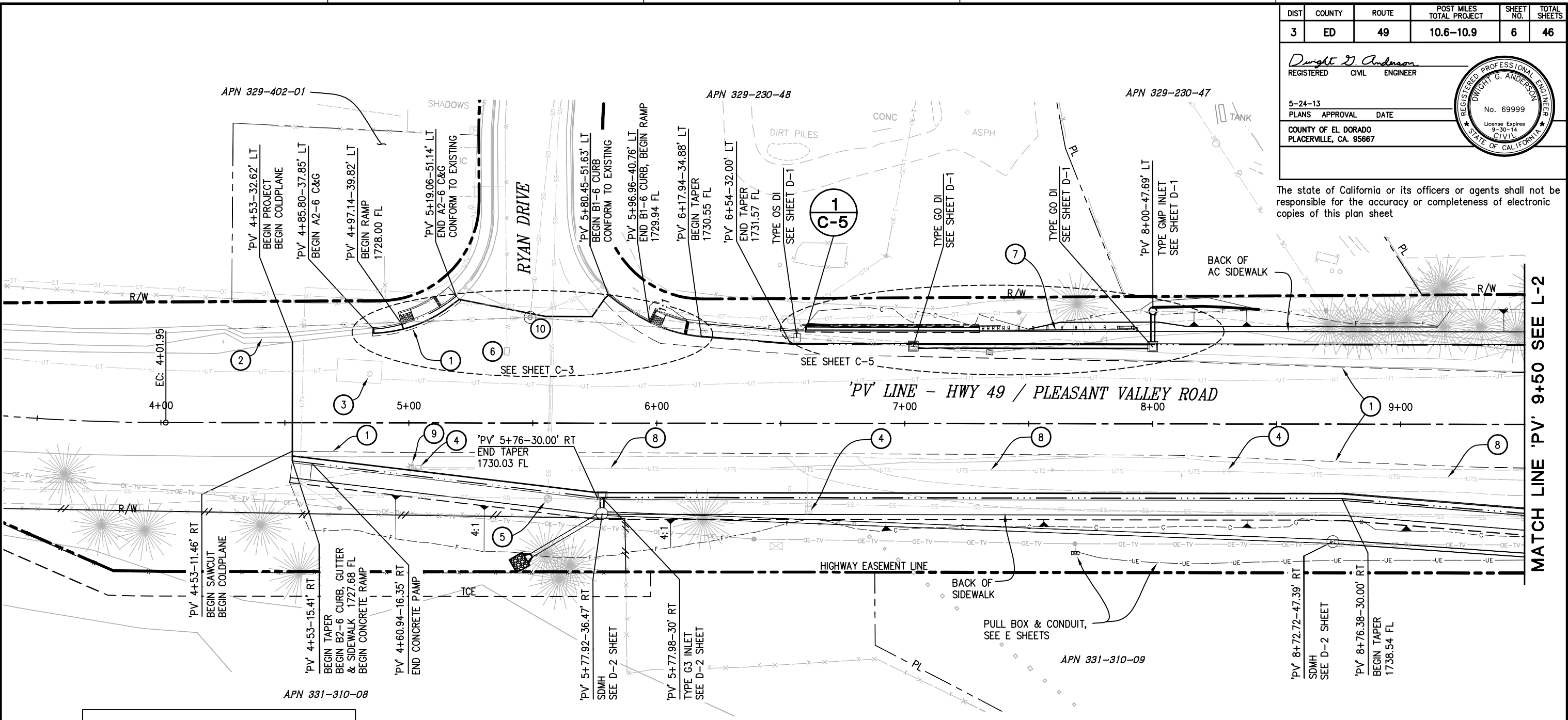
REGISTERED PROFESSIONAL ENGINEER	
Dwight G. Anderson	
No. 69999	
License Expires 9-30-14	
CIVIL	
STATE OF CALIFORNIA	

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DATE	REVISION	BY

DATE	CHECKED	BY

DATE	CALCULATED/DESIGNED	BY



MATCH LINE 'PV' 9+50 SEE L-2

PLAN - HWY49/PLEASANT VALLEY ROAD

'PV' 4+53 TO 9+50

SAWCUT - STA/OFFSETS

'PV' 6+01.52-32.18' LT	'PV' 4+53-11.46' RT
'PV' 6+54-28.00' LT	'PV' 5+37.85-11.78' RT
'PV' 7+00-27.14' LT	'PV' 6+00-11.97' RT
'PV' 8+00-25.22' LT	'PV' 7+00-12.28' RT
'PV' 9+00-22.38' LT	'PV' 8+09.83-12.62' RT
'PV' 9+50-20.85' LT	'PV' 9+30.89-17.29' RT

WARNING

THE LOCATIONS AND/OR ELEVATIONS OF EXISTING UNDERGROUND UTILITIES ON THESE PLANS ARE ONLY APPROXIMATE. CONTRACTOR TO VERIFY ACTUAL LOCATION AND ELEVATION OF ALL EXISTING UNDERGROUND UTILITIES.

NOTES:

- ① SAWCUT TO A CLEAN UNIFORM LINE
- ② EXISTING AC PAVED DITCH
- ③ AT&T MANHOLE LID PROTECT IN PLACE
- ④ REMOVE TRAFFIC SIGNAL BOX, SEE E SHEETS
- ⑤ RECONSTRUCT SSMH, SEE U-1 SHEET
- ⑥ EID BLOW OFF VALVE, ADJUST TO GRADE
- ⑦ METAL BEAM GUARD RAILING, PER A77F1
- ⑧ ABANDON UTS CONDUIT, SEE E SHEETS
- ⑨ REMOVE SIGNAL POLE, FLASHING BEACON AND POLE FOUNDATION. SEE E SHEETS
- ⑩ SDMh, PROTECT IN PLACE

CONSTRUCTION NOTES:

STATION/OFFSETS ON THIS SHEET PER 'PV' ALIGNMENT
 SEE UTILITY SHEETS FOR ALL EXISTING ATT, EID, COMCAST AND PG&E RELOCATIONS
 COLD PLANE AND LEVELING LIMITS ARE SHOWN ON SHEETS L-6 AND L-7
 SEE EC SHEETS FOR TREE PROTECTION, EROSION CONTROL AND FENCING PLAN
 SEE SPECS, SECTION 16, FOR TREE REMOVAL

LEGEND

SAWCUT	---
FLOWLINE	---
RIGHT OF WAY	---
PROPERTY LINE	---

LAYOUT

L-1

SCALE: 1"=20'

Drawing Name: C:\Civil 3D\Projects\3320 Patterson at Hwy 49\Drawings\Sheets\L-1.dwg, Layout: Tab: L-1, Last Saved: Thu, 08 Aug 2013 -- 7:25am, Richards

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	7	46

Dwight G. Anderson
REGISTERED CIVIL ENGINEER

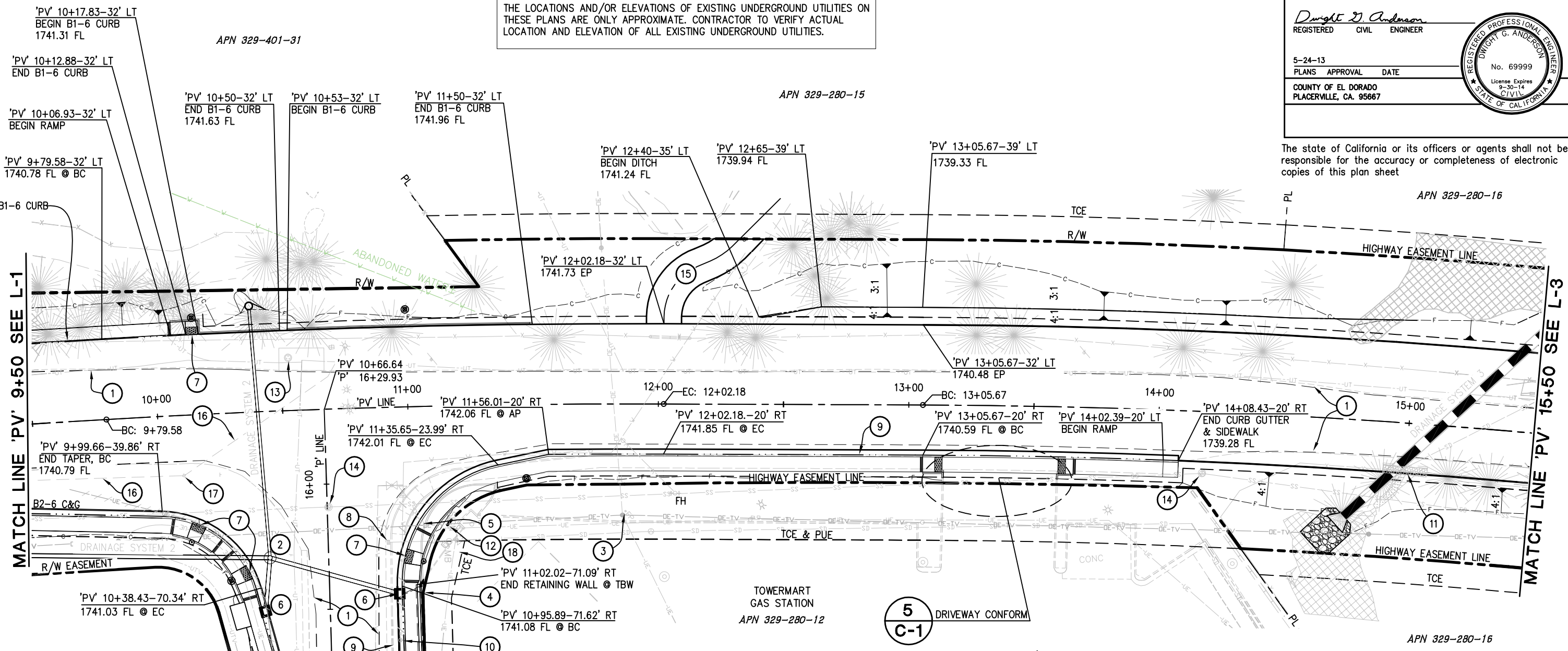
5-24-13
PLANS APPROVAL DATE

COUNTY OF EL DORADO
PLACERVILLE, CA. 95667

REGISTERED PROFESSIONAL ENGINEER
Dwight G. Anderson
No. 69999
License Expires 9-30-14
CIVIL
STATE OF CALIFORNIA

WARNING
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DEPARTMENT OF TRANSPORTATION
EL DORADO COUNTY

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES

3
2
1
0

PROJECT ENGINEER
CALCULATED/DESIGNED BY
CHECKED BY

REVISOR
BY
DATE
REVISOR
BY
DATE

SAWCUT - STA/OFFSETS

'PV' 12+36.57-12.99' LT	'PV' 13+05.67-15.93' RT
'PV' 13+05.67-13.44' LT	'PV' 14+00-15.98' RT
'PV' 14+00-14.01' LT	'PV' 14+60.36-13.74' RT
'PV' 14+33.69-13.85' LT	'PV' 15+00-13.50' RT
'PV' 14+86.03-10.22' LT	

NOTES:

- ① - SAWCUT TO A CLEAN UNIFORM LINE
- ② - SDMH, SEE D-SHEETS
- ③ - FLAG POLE TO BE REMOVED PRIOR TO CONSTRUCTION
- ④ - RETAINING WALL, SEE SHEET C-4
- ⑤ - POLE AND LIGHT TO BE REMOVED BY PG&E DURING CONSTRUCTION
- ⑥ - TYPE GO DI W/ GUTTER DEPRESSION, SEE D-SHEETS
- ⑦ - MODIFIED AC CURB RAMP (CASE C) SEE A88A, AND DETAIL 3 ON SHEET C-1
- ⑧ - REMOVE DI & CAP EXISTING 18" PIPE
- ⑨ - REMOVE (E)CONCRETE CURB & SIDEWALK
- ⑩ - WATER VALVE TO BE REMOVED WITH WATERLINE SEE U-SHEETS
- ⑪ - REMOVE/ABANDON CULVERTS & HEADWALL SEE D-SHEETS
- ⑫ - SIGN TO BE RELOCATED PRIOR TO CONSTRUCTION
- ⑬ - AT&T TO ADJUST TELEPHONE MANHOLE TO GRADE, SEE U-SHEETS
- ⑭ - RECONSTRUCT SSMH
- ⑮ - NEXTEL ACCESS ROAD, SEE SHEET L-5
- ⑯ - ABANDON CONDUIT, SEE E SHEETS
- ⑰ - REMOVE TRAFFIC SIGNAL BOX, SEE E SHEETS
- ⑱ - SAWCUT AND REMOVE 120 S.F. OF (E)AC, REMOVE 26 LF AC DIKE AND INSTALL 26 LF OF AC DIKE (TYPE A) (SAWCUT AND DIKE TO BE LOCATED IN THE FIELD)

CONSTRUCTION NOTES:

STATION/OFFSETS ON THIS SHEET PER 'PV' ALIGNMENT
SEE SHEET C-2 FOR INTERSECTION LAYOUT
SEE UTILITY SHEETS FOR ALL EXISTING ATT, EID, COMCAST AND PG&E RELOCATIONS
SEE CONSTRUCTION SHEET FOR INTERSECTION RETURN LAYOUTS
ALL UNDERGROUND IRRIGATION LINES TO BE RELOCATED BY OTHERS
ALL UNDERGROUND ELECTRIC LINES FOR LIGHTS AND SIGNS TO BE RELOCATED BY OTHERS
SEE SPECS, SECTION 16, FOR TREE REMOVAL



PLAN - HWY49/PLEASANT VALLEY ROAD
'PV' 9+50 TO 15+50

LAYOUT
L-2
SCALE: 1"=20'

Drawing Name: C:\Civil 3D\Projects\73320 Patterson at Hwy 49\Drawings\Sheets\L-2.dwg, Layout: Tab: L-2, Last Saved: Wed, 07 Aug 2013 - 1:15pm, BRichards

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	8	46

Dwight D. Anderson
REGISTERED CIVIL ENGINEER

5-24-13
PLANS APPROVAL DATE

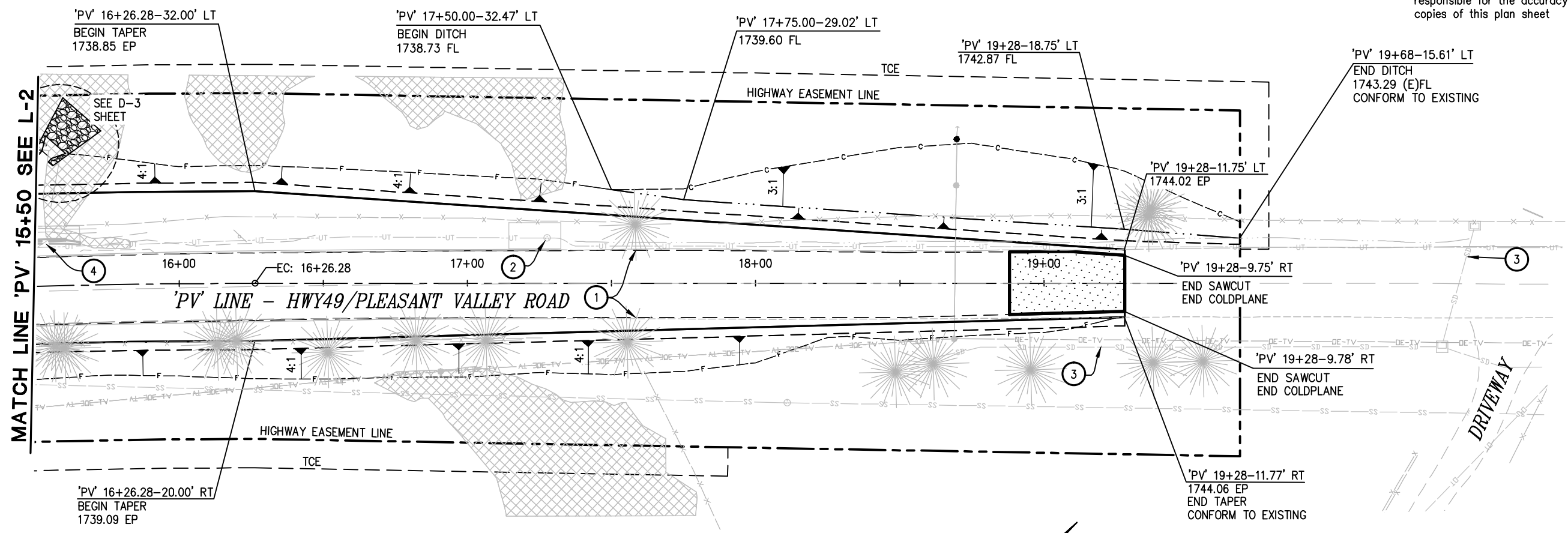
COUNTY OF EL DORADO
PLACERVILLE, CA. 95667

WARNING

THE LOCATIONS AND/OR ELEVATIONS OF EXISTING UNDERGROUND UTILITIES ON THESE PLANS ARE ONLY APPROXIMATE. CONTRACTOR TO VERIFY ACTUAL LOCATION AND ELEVATION OF ALL EXISTING UNDERGROUND UTILITIES.

APN 329-280-16

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PLAN - HWY49/PLEASANT VALLEY ROAD
'PV' 15+50 TO 19+28

APN 329-280-16

SAWCUT - STA/OFFSETS

'PV' 15+50-9.93' LT	'PV' 16+00-13.21' RT
'PV' 16+00-10.38' LT	'PV' 16+50-12.43' RT
'PV' 17+00-11.24' LT	'PV' 17+00-11.89' RT
'PV' 17+75.22-11.50' LT	'PV' 17+75.29-11.86' RT
'PV' 18+50-10.71' LT	'PV' 18+50-11.84' RT
'PV' 19+09.09-11.00' LT	

- NOTES:**
- ① - SAWCUT EP TO A CLEAN UNIFORM LINE
 - ② - AT&T TO ADJUST TELEPHONE MH TO GRADE, SEE U-SHEETS
 - ③ - EXIST SD SYSTEM TO REMAIN IN PLACE
 - ④ - REMOVE/ABANDON CULVERTS & HEADWALL, SEE SHEET D-3
- ENVIRONMENTALLY SENSITIVE AREAS
SEE SHEETS D-3 AND EROSION CONTROL SHEETS
 - COLD PLANE PAVEMENT
BEGIN 'PV' 18+88, END 'PV' 19+28

- CONSTRUCTION NOTES:**
- STATION/OFFSETS ON THIS SHEET PER 'PV' ALIGNMENT
 - SEE UTILITY SHEETS FOR ALL EXISTING ATT, EID, COMCAST AND PG&E RELOCATIONS
 - SEE EC SHEETS FOR ESA FENCING, TREE PROTECTION AND R/W FENCING
 - SEE SPECS, SECTION 16, FOR TREE REMOVAL

PROJECT ENGINEER	BY	DATE	REVISION	BY	DATE
CALCULATED/DESIGNED	BY	DATE	REVISION	BY	DATE
CHECKED	BY	DATE	REVISION	BY	DATE

DEPARTMENT OF TRANSPORTATION
EL DORADO COUNTY

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES

3
2
1
0

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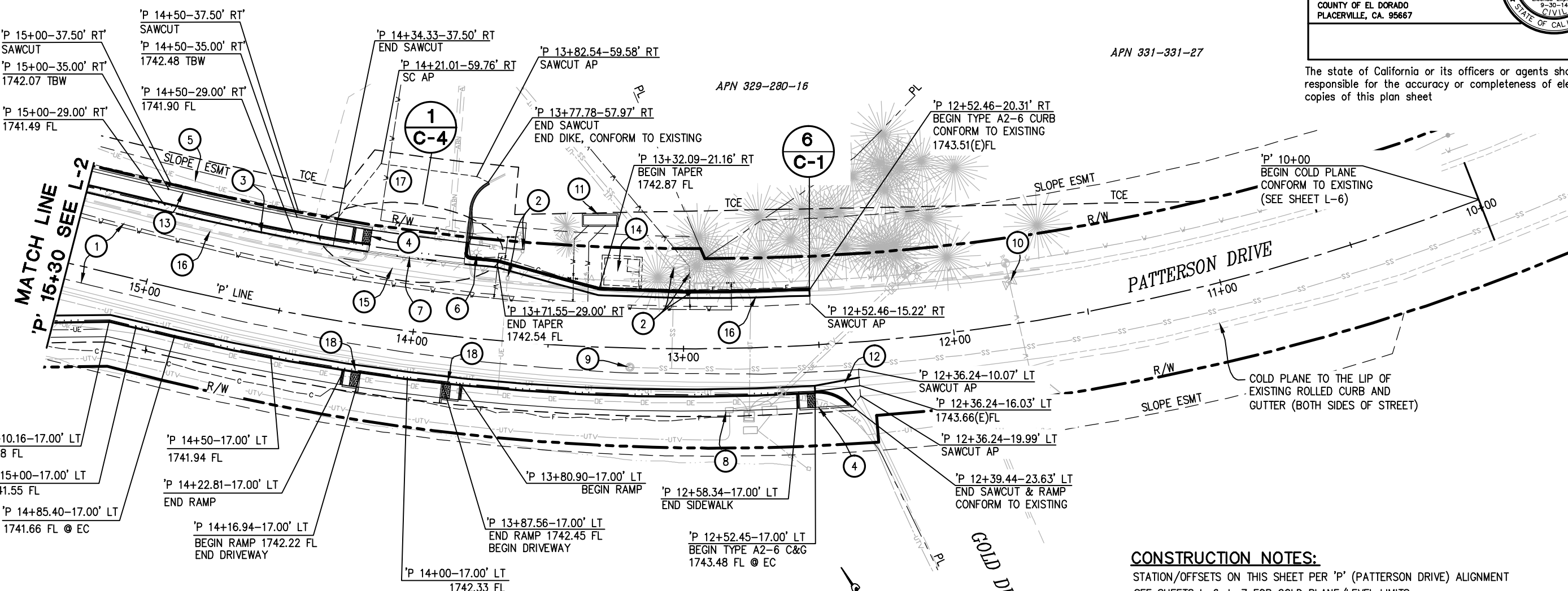
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	9	46

Dwight J. Anderson
REGISTERED CIVIL ENGINEER
5-24-13
PLANS APPROVAL DATE

COUNTY OF EL DORADO
PLACERVILLE, CA. 95667

REGISTERED PROFESSIONAL ENGINEER
Dwight G. Anderson
No. 69999
License Expires 9-30-14
CIVIL
STATE OF CALIFORNIA

WARNING
THE LOCATIONS AND/OR ELEVATIONS OF EXISTING UNDERGROUND UTILITIES ON THESE PLANS ARE ONLY APPROXIMATE. CONTRACTOR TO VERIFY ACTUAL LOCATION AND ELEVATION OF ALL EXISTING UNDERGROUND UTILITIES.



PLAN - PATTERSON DRIVE
'P' 10+00 TO 15+30
TBW=TOP BACK OF WALK

CONSTRUCTION NOTES:
STATION/OFFSETS ON THIS SHEET PER 'P' (PATTERSON DRIVE) ALIGNMENT
SEE SHEETS L-6, L-7 FOR COLD PLANE/LEVEL LIMITS
SEE SHEET C-2 FOR INTERSECTION LAYOUT
SEE UTILITY SHEETS FOR ALL EXISTING ATT, EID, COMCAST AND PG&E RELOCATIONS
DRIVEWAYS, 0.50' PCC OVER 0.33' CLASS II AB

SAWCUT - STA/OFFSETS

'P' 12+36.24-10.07' LT	
'P' 12+50-9.94' LT	'P' 12+52-15.22' RT
'P' 13+00-9.06' LT	'P' 13+00-15.75' RT
'P' 13+50-8.60' LT	'P' 13+50-16.54' RT
'P' 14+00-7.87' LT	'P' 14+00-17.31' RT
'P' 14+50-6.73' LT	'P' 14+50-18.23' RT
'P' 15+00-6.25' LT	'P' 15+00-18.39' RT
'P' 15+30-6.00' LT	'P' 15+30-18.97' RT

RETAINING WALL ELEVATIONS

STATION / OFFSET	TOP OF WALL ELEVATION	TOP BACK OF SIDEWALK
'P' 14+20.59-35' RT	1742.79	1742.23
'P' 14+26.73-35' RT HC RAMP	1743.24	1742.67
'P' 14+34.33-35' RT GB BEHIND WALL	1743.77	1742.61
'P' 14+50-35' RT	1743.79	1742.48
'P' 14+75-35' RT	1743.52	1742.28
'P' 15+00-35' RT	1743.32	1742.07
'P' 15+25-35' RT	1743.05	1741.86
'P' 15+50-35' RT	1742.84	1741.65
'P' 15+58.84-35' RT	1742.79	1741.65

- NOTES**
- ① - SAWCUT TO A CLEAN UNIFORM LINE
 - ② - UE UTILITY, SEE SHEET U-4
 - ③ - EID WATERLINE, SEE SHEET U-4
 - ④ - MODIFIED CURB RAMP (CASE C) PER A88A
 - ⑤ - UG ELEC AND IRRIGATION LINES TO BE RELOCATED PRIOR TO CONSTRUCTION
 - ⑥ - OVERHEAD LIGHT, TO BE REMOVED BY OTHERS PRIOR TO CONSTRUCTION.
 - ⑦ - CONCRETE VALLEY GUTTER
 - ⑧ - UNDERGROUND TV SPLICEBOX, SEE SHEET U-4
 - ⑨ - SSMH, ADJUST TO GRADE, SEE SHEET U-4
 - ⑩ - WATER VALVE COVER, PROTECT IN PLACE
 - ⑪ - NEW EID PRESSURE REDUCING STATION, SEE SHEET U-4
 - ⑫ - REMOVE AND REPLACE CONCRETE VALLEY GUTTER
 - ⑬ - RETAINING WALL, SEE SHEET C-4
 - ⑭ - EXISTING EID PRESSURE REDUCING STATION TO BE REMOVED BY EID, PRIOR TO CONSTRUCTION
 - ⑮ - REMOVE (E) CONCRETE VALLEY GUTTER AND DRIVEWAY
 - ⑯ - REMOVED (E) CURB, GUTTER AND SIDEWALK
 - ⑰ - REMOVE (E) ASPHALT
 - ⑱ - MODIFIED CURB RAMP (CASE C) PER A88A

DEPARTMENT OF TRANSPORTATION
EL DORADO COUNTY

PROJECT ENGINEER

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES

3
2
1
0

REVISIONS:

NO.	DATE	BY	REVISION

LAYOUT
L-4
SCALE: 1"=20'

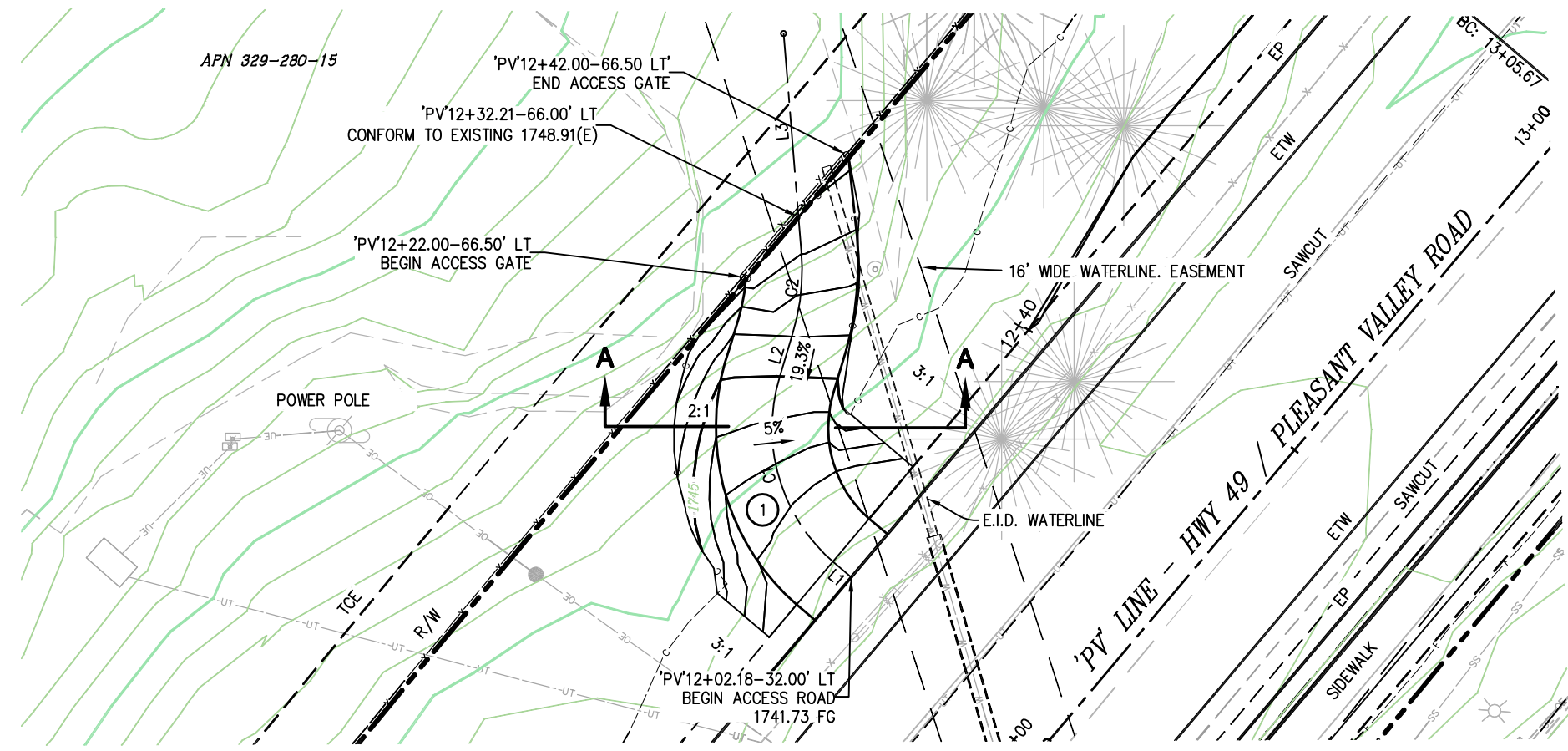
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	10	46

Dwight D. Anderson
REGISTERED CIVIL ENGINEER

5-24-13
PLANS APPROVAL DATE

COUNTY OF EL DORADO
PLACERVILLE, CA. 95667

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CONSTRUCTION NOTES:

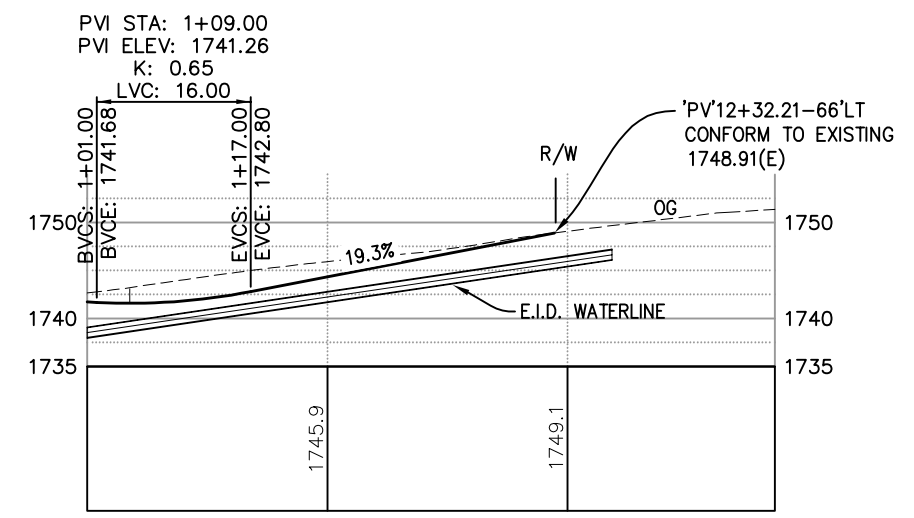
STATION/OFFSETS ON THIS SHEET PER 'PV' ALIGNMENT
SEE UTILITY SHEETS FOR ALL EXISTING ATT, EID, COMCAST AND PG&E RELOCATIONS
SEE SPECS, SECTION 16, FOR TREE REMOVAL

LEGEND

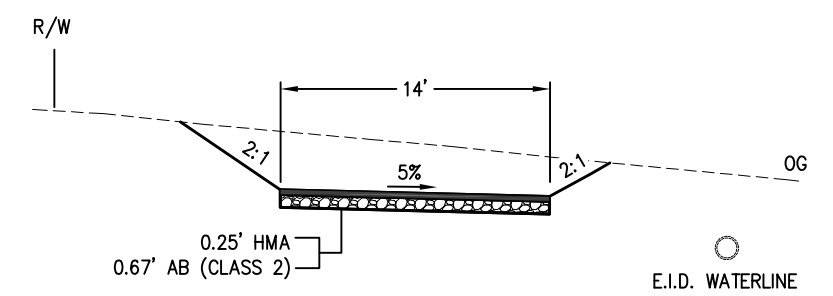
- R/W
- PROPERTY LINE
- WATERLINE EASEMENT
- ① — 0.25' HMA OVER 0.67' AB (CLASS 2)

PLAN - NEXTEL ACCESS ROAD
SCALE: 1"=10'

NEXTEL ACCESS				
NUMBER	LENGTH	RADIUS	LINE / CHORD DIRECTION & LENGTH	DELTA
L1	2.67		N 49° 55' 55" W	
C1	25.63	22.00	N 16° 33' 35" W - 24.20	66° 44' 39"
L2	5.61		N 16° 48' 45" E	
C2	10.51	28.00	N 6° 03' 23" E - 10.45	21° 30' 43"
L3	27.16		N 4° 41' 58" W	



PROFILE - NEXTEL ACCESS ROAD
SCALE: 1"=10'H,V



SECTION A-A
SCALE: 1"=5'

WARNING
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LAYOUT
L-5
SCALE: AS NOTED

DEPARTMENT OF TRANSPORTATION
EL DORADO COUNTY

PROJECT ENGINEER

CALCULATED/DESIGNED BY	BY	DATE	REVISOR	BY	DATE
CHECKED BY	BY	DATE	REVISOR	BY	DATE

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES

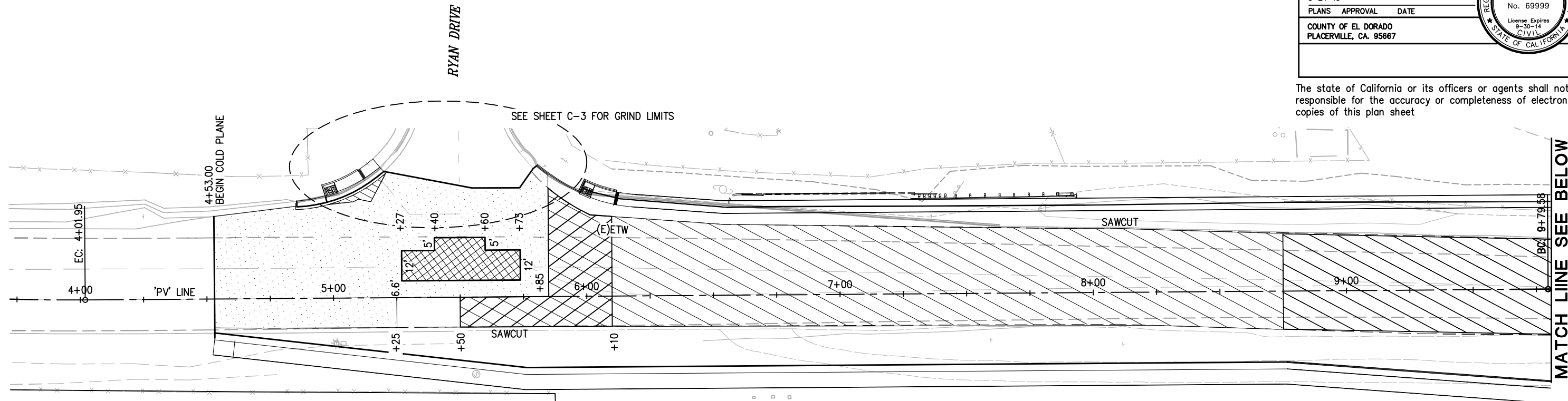
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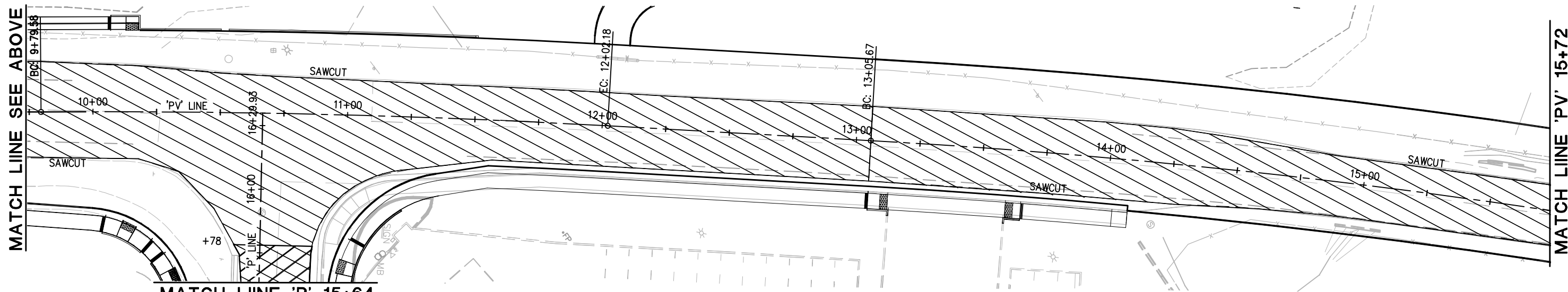
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	11	46
<p><i>Dwight D. Anderson</i> REGISTERED CIVIL ENGINEER</p>					
<p>5-24-13 PLANS APPROVAL DATE</p>					
<p>COUNTY OF EL DORADO PLACERVILLE, CA. 95667</p>					



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PLAN - HWY 49 / PLEASANT VALLEY ROAD



PLAN - HWY 49 / PLEASANT VALLEY ROAD

- LEGEND**
- COLD PLANE LIMIT 0.10' MIN (PRIOR TO LEVELING) WITH AC LEVELING
 - AC LEVELING
 - COLD PLANE LIMIT - 0.20' MINIMUM
 - DEEP LIFT LIMIT - 1.0' MINIMUM

NOTE: SEE LAYOUT SHEETS FOR ADDITIONAL STATION/OFFSET INFORMATION ON SAWCUT LINES AND LIMITS SHOWN ON THIS SHEET

COLD PLANE/LEVEL LIMITS
L-6
SCALE: 1"=20'

DEPARTMENT OF TRANSPORTATION EL DORADO COUNTY	PROJECT ENGINEER	CALCULATED/DESIGNED BY	DATE	REVISOR	BY
		CHECKED BY	DATE	REVISOR	BY

Drawing Name: C:\Civil 3D\Projects\73320 Patterson at Hwy 49\Drawings\Sheets\L-6.dwg, Layout Tab: L-6, Last Saved: Wed, 07 Aug 2013 - 2:40pm, BRichards

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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Dwight G. Anderson
REGISTERED CIVIL ENGINEER

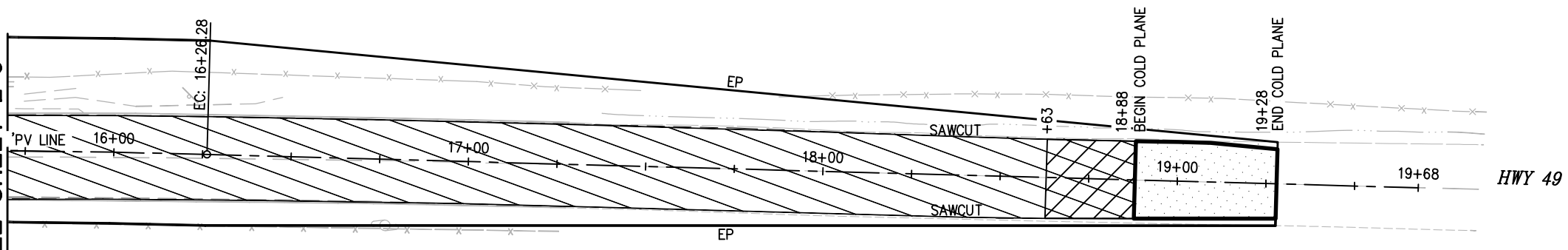
5-24-13
PLANS APPROVAL DATE

COUNTY OF EL DORADO
PLACERVILLE, CA. 95667

REGISTERED PROFESSIONAL ENGINEER
Dwight G. Anderson
No. 69999
License Expires 9-30-14
CIVIL
STATE OF CALIFORNIA

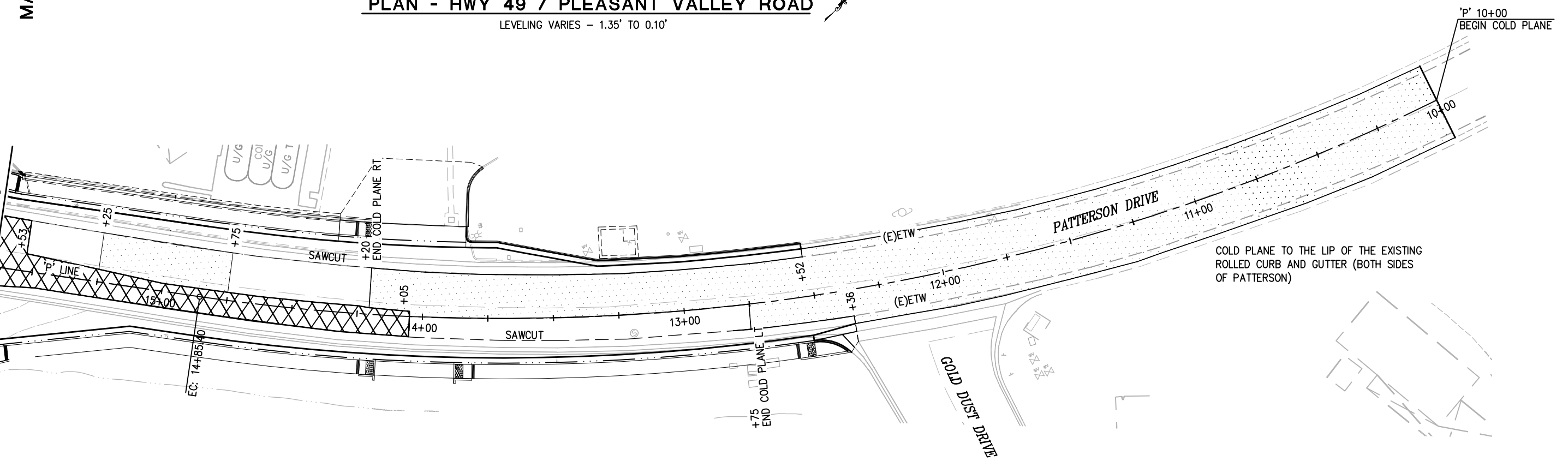
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MATCH LINE 'PV' 15+72
SEE SHEET L-6




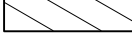
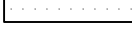
PLAN - HWY 49 / PLEASANT VALLEY ROAD
LEVELING VARIES - 1.35' TO 0.10'

MATCH LINE 'P' 15+64
SEE SHEET L-6



PLAN - PATTERSON DRIVE
LEVELING VARIES - 0.08' TO 0.24'

LEGEND

-  - COLD PLANE LIMIT 0.10' MIN (PRIOR TO LEVELING) WITH AC LEVELING
-  - APPROXIMATE LIMIT OF AC LEVELING
-  - APPROXIMATE LIMIT OF COLD PLANING 0.20' MINIMUM GRIND

NOTE: SEE LAYOUT SHEETS FOR ADDITIONAL STATION/OFFSET INFORMATION ON SAWCUT LINES AND LIMITS SHOWN ON THIS SHEET

COLD PLANE/LEVEL LIMITS
L-7
SCALE: 1"=20'

PROJECT ENGINEER	DESIGNED BY	CHECKED BY	DATE	REVISION	BY	DATE

DEPARTMENT OF TRANSPORTATION
EL DORADO COUNTY
FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES

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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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Dwight J. Anderson
REGISTERED CIVIL ENGINEER

5-24-13
PLANS APPROVAL DATE

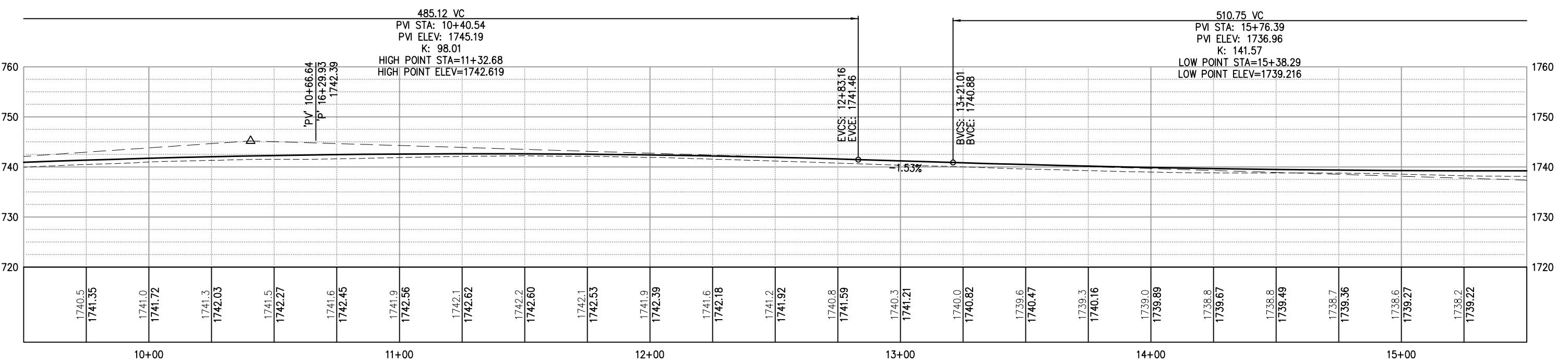
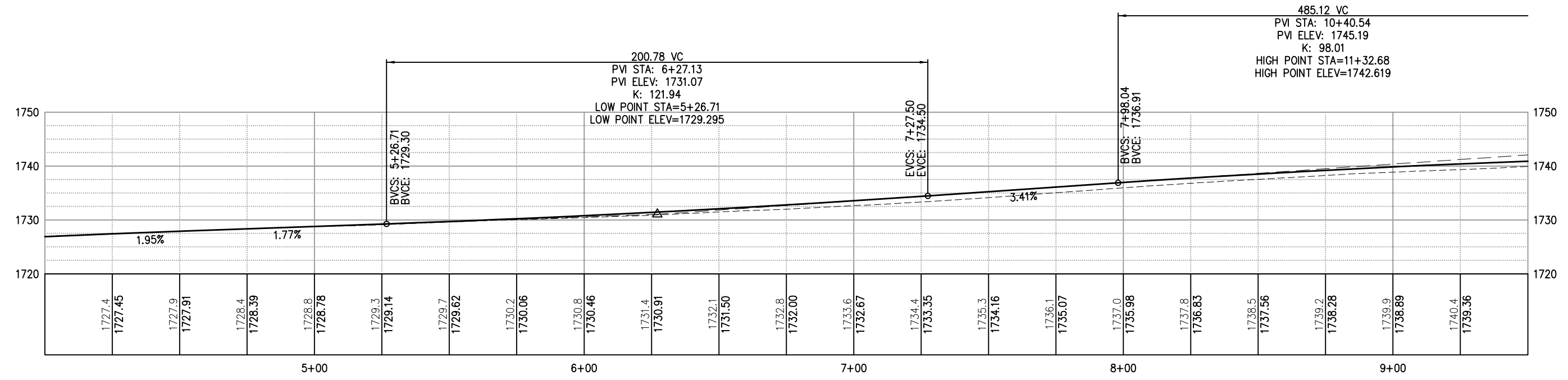
COUNTY OF EL DORADO
PLACERVILLE, CA. 95667

WARNING

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PROJECT ENGINEER	CALCULATED/DESIGNED BY	CHECKED BY	DATE	REVISIONS
				BY



PROFILE - HWY49/PLEASANT VALLEY ROAD
 'PV' 4+00 TO 15+50 SCALE: 1"=20'H, 1"=10'V

PROFILE
P-1
SCALE: AS NOTED

PW 09-30425	CU 03-0303	EA 03-3E980
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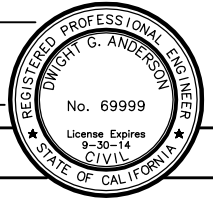
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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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Dwight D. Anderson
 REGISTERED CIVIL ENGINEER

5-24-13
 PLANS APPROVAL DATE

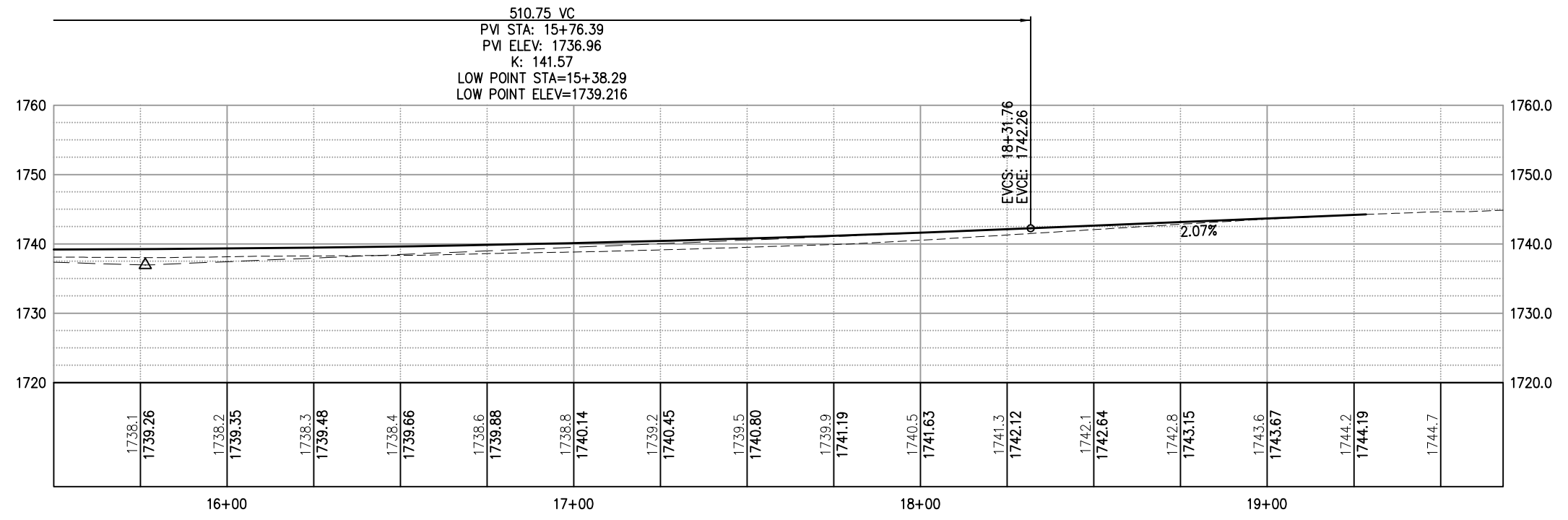
COUNTY OF EL DORADO
 PLACERVILLE, CA. 95667



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PROFILE - HWY49/PLEASANT VALLEY ROAD
 'PV' 15+50 TO 19+28 SCALE: 1":20'H,V

DEPARTMENT OF TRANSPORTATION
 EL DORADO COUNTY
 FOR REDUCED PLANS
 ORIGINAL SCALE IS IN INCHES
 0 1 2 3

REVISION	DATE	BY	REVISION	DATE	BY

PROJECT ENGINEER

CALCULATED/DESIGNED BY
 CHECKED BY

Drawing Name: C:\Civil 3D Projects\73320 Patterson at Hwy 49\Drawings\Sheets\L-3.dwg, Layout Tab: P-2, Last Saved: Fri, 19 Jul 2013 - 9:25am, BRichards

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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Dwight G. Anderson
REGISTERED CIVIL ENGINEER

5-24-13
PLANS APPROVAL DATE

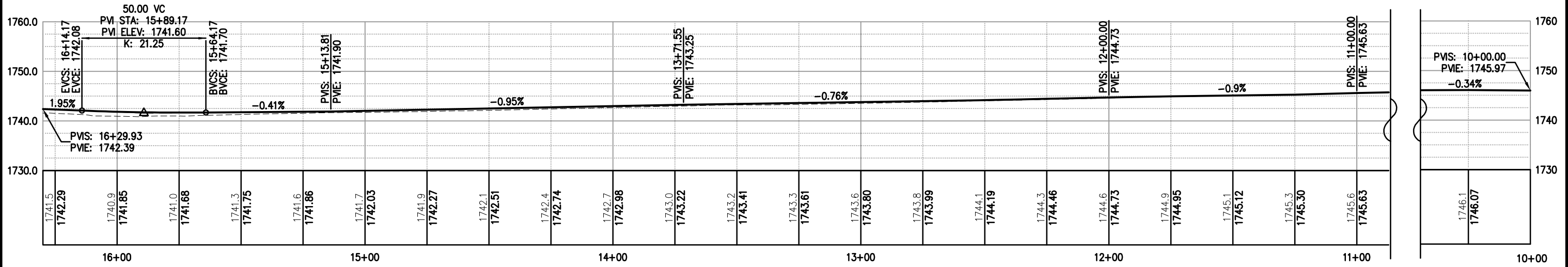
COUNTY OF EL DORADO
PLACERVILLE, CA. 95667

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DEPARTMENT OF TRANSPORTATION EL DORADO COUNTY	PROJECT ENGINEER	FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES	CALCULATED/DESIGNED BY		CHECKED BY		DATE	REVISD BY	BY
			DESIGNED	CHECKED	DATE	REVISD	DATE	REVISD	



PROFILE - PATTERSON DRIVE
'P' 10+00 TO 16+29.93 SCALE: 1"=20'

CONSTRUCTION NOTES:
SEE SHEETS L-6, L-7 FOR COLD PLANE/LEVEL LIMITS

**PROFILE
P-3
SCALE: AS NOTED**

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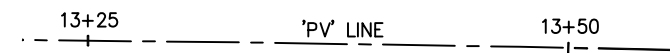
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	16	46

Dwight J. Anderson		
REGISTERED	CIVIL	ENGINEER
5-24-13		
PLANS	APPROVAL	DATE
COUNTY OF EL DORADO		
PLACERVILLE, CA. 95667		

REGISTERED PROFESSIONAL ENGINEER	
Dwight G. Anderson	
No. 69999	
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STATE OF CALIFORNIA	

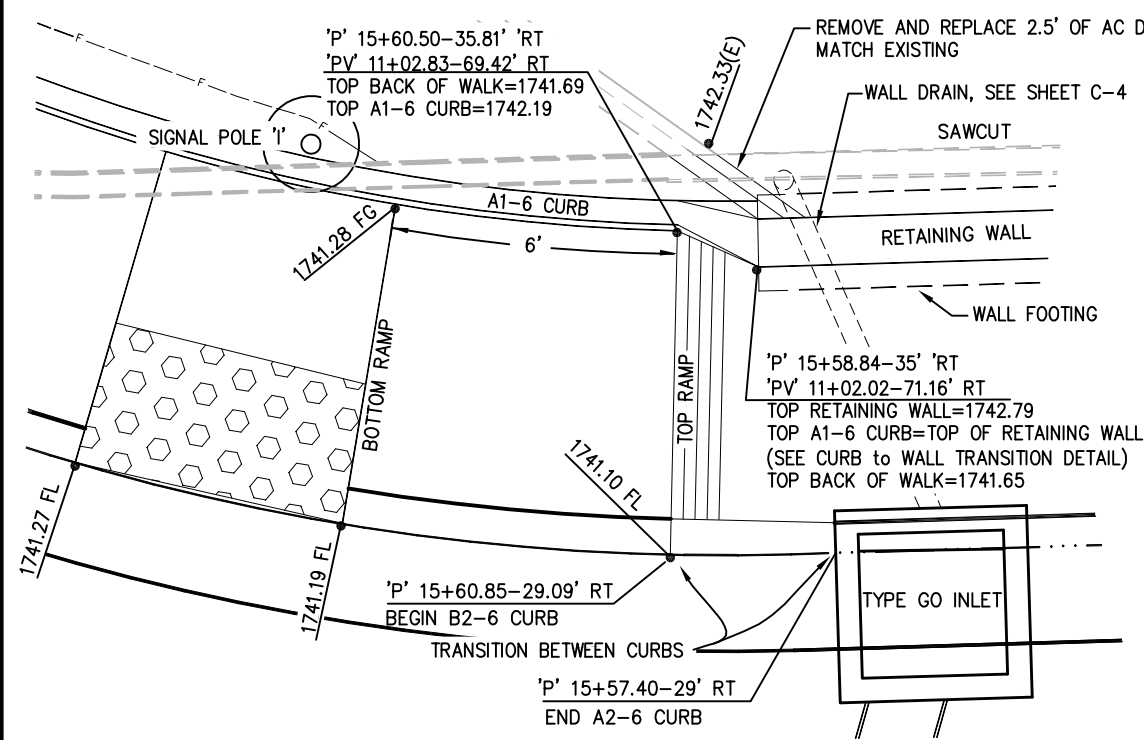
WARNING

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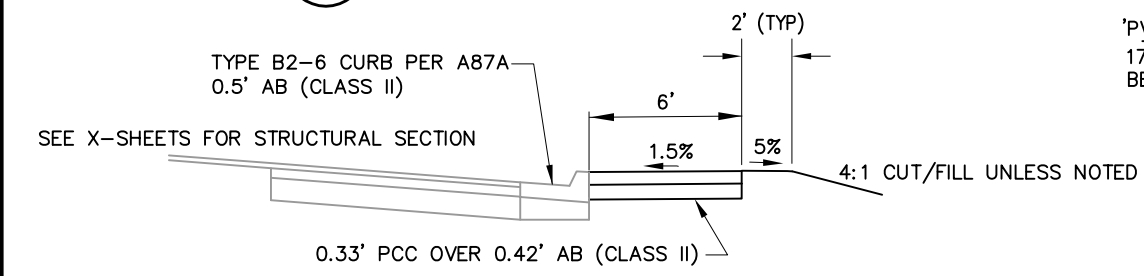


HWY49/PLEASANT VALLEY ROAD

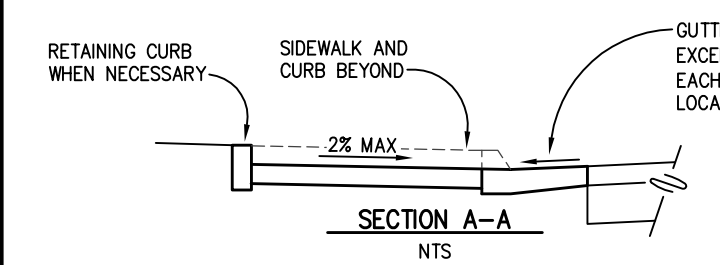
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1 RETAINING WALL/CURB DETAIL
SCALE: 1"=2'



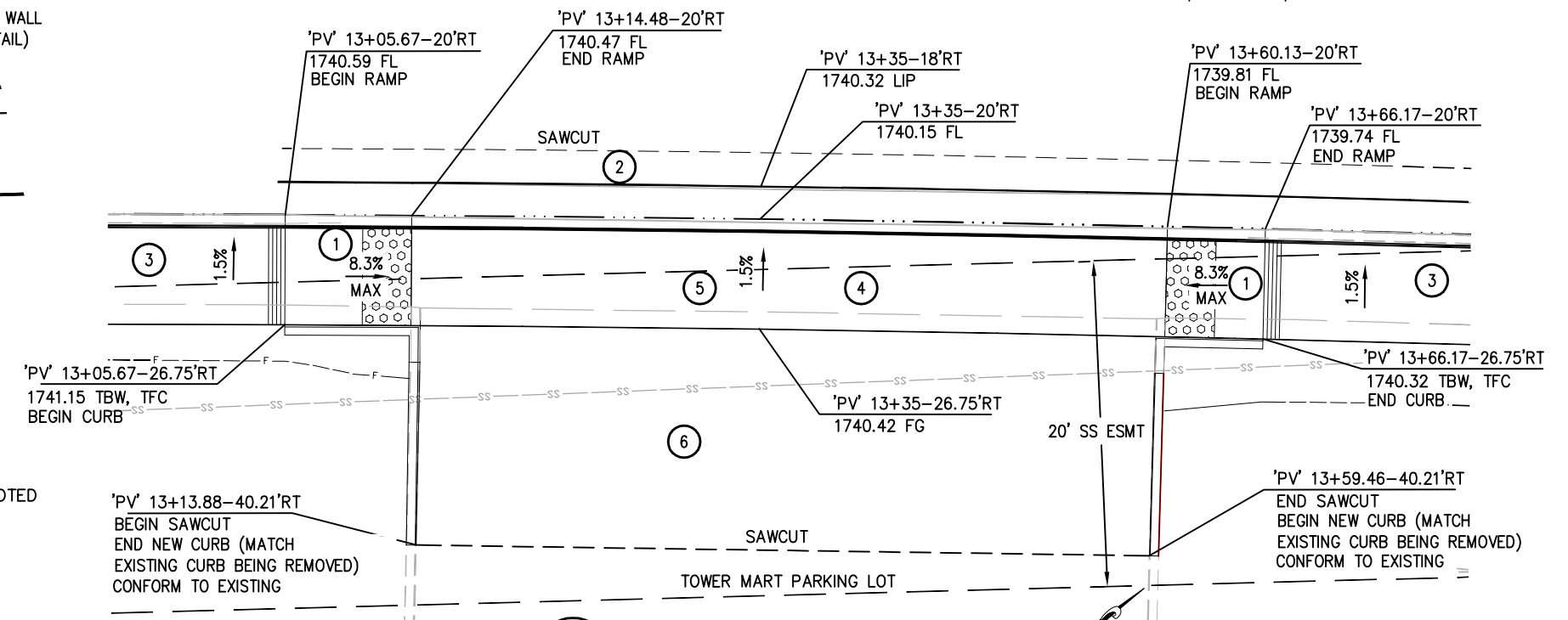
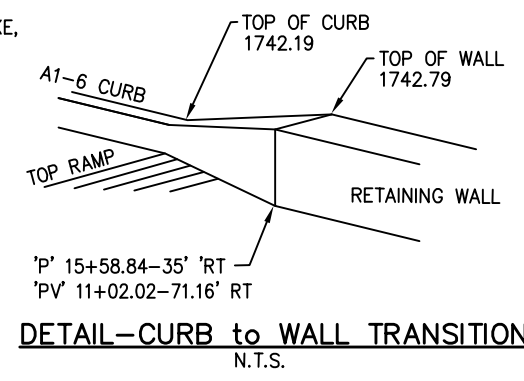
2 SIDEWALK DETAIL
N.T.S.



CONSTRUCTION NOTES:
SEE CALTRANS STANDARD PLAN A88A FOR ADDITIONAL DETAILS.

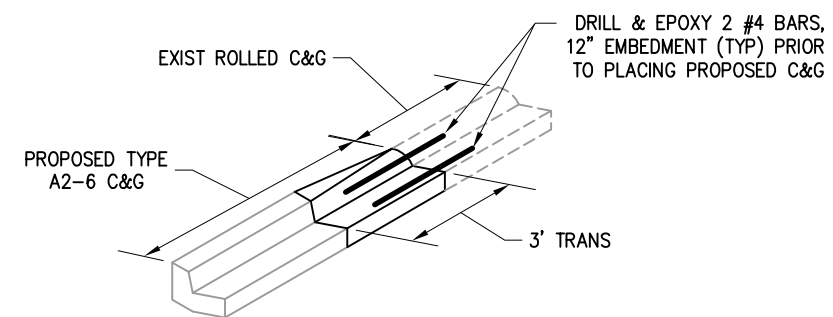
- 1 - STANDARD GUTTER PAN CROSS SLOPE OF 8.33% (2" OF DEPTH FOR EACH 2'-0" OF WIDTH)
- 2 - TRANSITION GUTTER PAN CROSS SLOPE FROM STANDARD 8.33% TO 4.16% THROUGH AREA OF CURB DEPRESSION. MAINTAIN GUTTER FLOW LINE GRADES AND DEPRESS LIP OF GUTTER TO ACHIEVE REQUIRED CROSS SLOPE
- 3 - 4.16% GUTTER PAN CROSS SLOPE THROUGH RAMP AREA (1" OF DEPTH FOR EACH 2'-0" OF WIDTH)

3 CURB RAMP GUTTER PAN TRANSITION
NTS



5 DRIVEWAY CONFORM
SCALE: 1"=5'

- 1 - CURB RAMP CASE C MODIFIED, PER A88A
- 2 - 0.65 HMA OVER 0.60 AB (CLASS 2)
- 3 - 6' WIDE SIDEWALK (0.33'PCC OVER 0.42'AB)
- 4 - 0.5' PCC OVER 0.33' AB (CLASS II) PV 13+05.67 TO PV 13+66.17
- 5 - REMOVE CONCRETE DRIVEWAY
- 6 - 0.45' HMA OVER 0.50 AB(CLASS II)



6 CURB TRANSITION DETAIL
NOT TO SCALE

ABBREVIATIONS:
TBW-TOP BACK WALK
TFC-TOP FACE OF CURB

CONSTRUCTION DETAILS
C-1
SCALE: AS NOTED

DEPARTMENT OF TRANSPORTATION
EL DORADO COUNTY

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES

PROJECT ENGINEER

CALCULATED/DESIGNED BY
CHECKED BY

REVISOR BY
DATE

REVISIONS

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	17	46

Dwight G. Anderson
REGISTERED CIVIL ENGINEER



5-24-13
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PLACERVILLE, CA. 95667

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ABBREVIATIONS
EP-EDGE OF PAVEMENT
FL-FLOWLINE
VC-VERTICAL CURVE
BC-BEGIN HORIZONTAL CURVE
EC-END HORIZONTAL CURVE
AP-ANGLE POINT
FG-FINISH GRADE
ESMT-EASEMENT

CURVE DATA

	STATION / OFFSET	FLOWLINE ELEV
BC	10+95.89-71.62' RT	1741.07
1/4	10+98.37-56.34' RT	1741.30
1/2	11+05.62-42.63' RT	1741.54
3/4	11+18.89-30.52' RT	1741.77
EC	11+35.65-23.99' RT	1742.01

RADIUS PNT
11+44.89-71.11' RT
N 2014827.4162
E 6895227.4908
R=48.00'
L=67.00"
Δ=79°50'

NOTES:

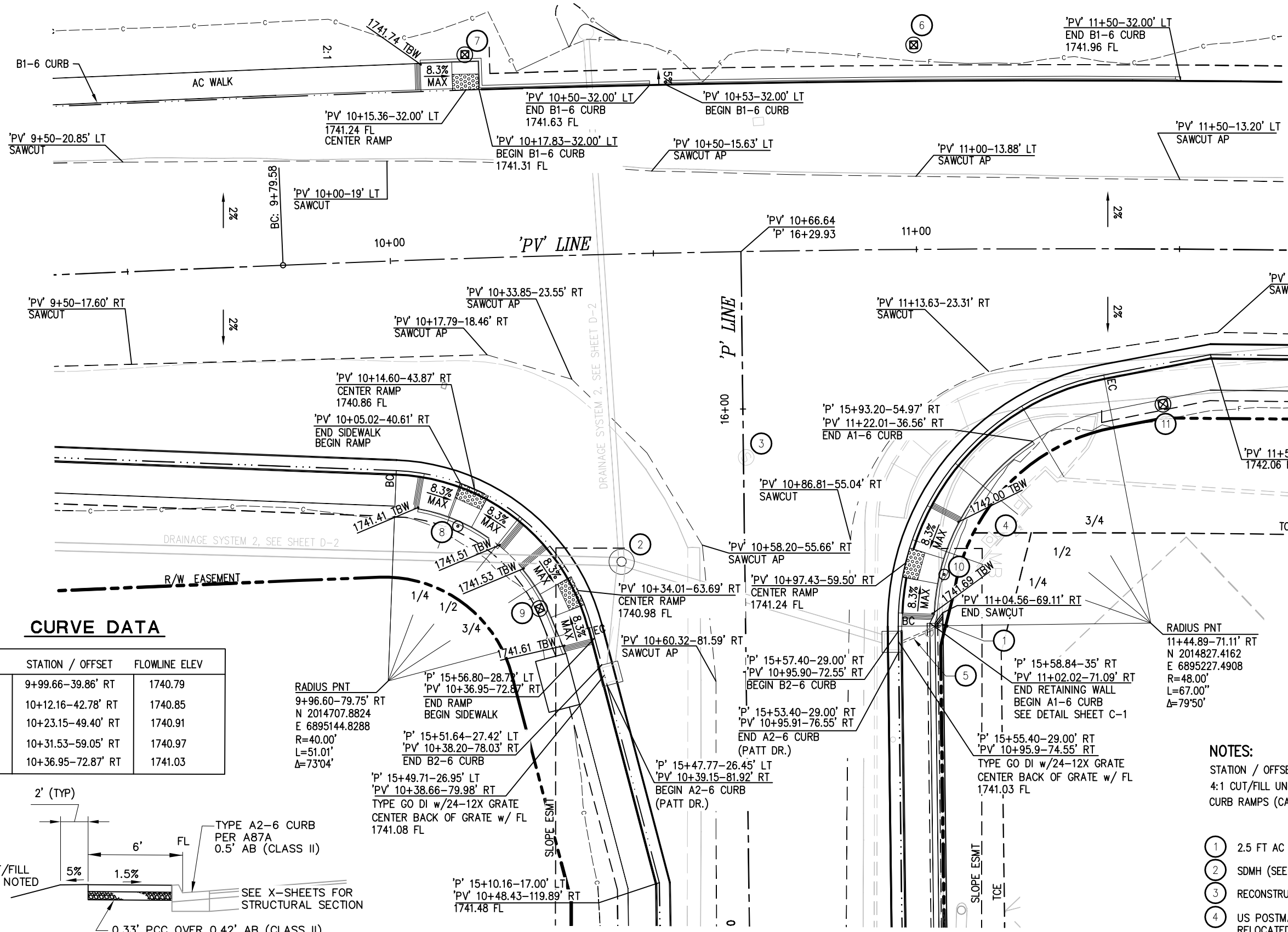
STATION / OFFSET DATA PER "PV-LINE" ALIGNMENT
4:1 CUT/FILL UNLESS NOTED
CURB RAMP (CASE C) PER A88A AND DETAIL 3, SHT C-1

- 1 2.5 FT AC DIKE.(MATCH EXISTING)
- 2 SDMH (SEE DRAINAGE SHEETS)
- 3 RECONSTRUCT SSMH (SEE U-SHEETS)
- 4 US POSTMAIL BOX, TO BE RELOCATED BY OTHERS PRIOR TO CONSTRUCTION
- 5 RETAINING WALL DRAIN SEE SHEET C-4
- 6 SIGNAL POLE A
- 7 SIGNAL POLE B
- 8 SIGNAL POLE E
- 9 SIGNAL POLE F
- 10 SIGNAL POLE I
- 11 SIGNAL POLE J

CONSTRUCTION DETAILS

C-2

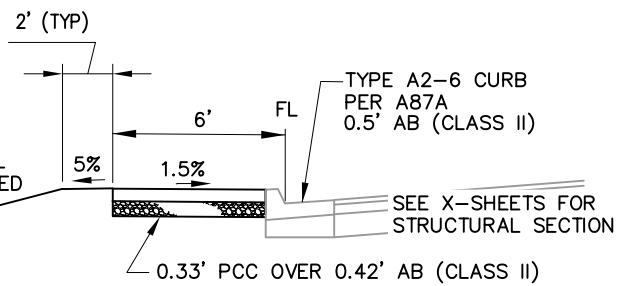
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CURVE DATA

	STATION / OFFSET	FLOWLINE ELEV
BC	9+99.66-39.86' RT	1740.79
1/4	10+12.16-42.78' RT	1740.85
1/2	10+23.15-49.40' RT	1740.91
3/4	10+31.53-59.05' RT	1740.97
EC	10+36.95-72.87' RT	1741.03

RADIUS PNT
9+96.60-79.75' RT
N 2014707.8824
E 6895144.8288
R=40.00'
L=51.01"
Δ=73°04'



2 **SIDEWALK DETAIL**
PATTERSON DRIVE N.T.S.

1 **INTERSECTION DETAIL**

THIS SHEET IS INTENDED FOR THE CONSTRUCTION OF THE ROADWAY IMPROVEMENTS AT THE INTERSECTION OF PATTERSON DRIVE AND HWY49. SEE THE DRAINAGE AND UTILITY SHEETS FOR ADDITIONAL INFORMATION.

DEPARTMENT OF TRANSPORTATION
EL DORADO COUNTY
PROJECT ENGINEER
CALCULATED/DESIGNED BY
CHECKED BY
REVISIONS
DATE
BY
REVISIONS
DATE
BY

Drawing Name: C:\Civil 3D\Projects\73320 Patterson at Hwy 49\Drawings\Sheets\C-2.dwg, Layout Tab: C-2, Last Saved: Wed, 07 Aug 2013 - 2:59pm, BRichards

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	18	46

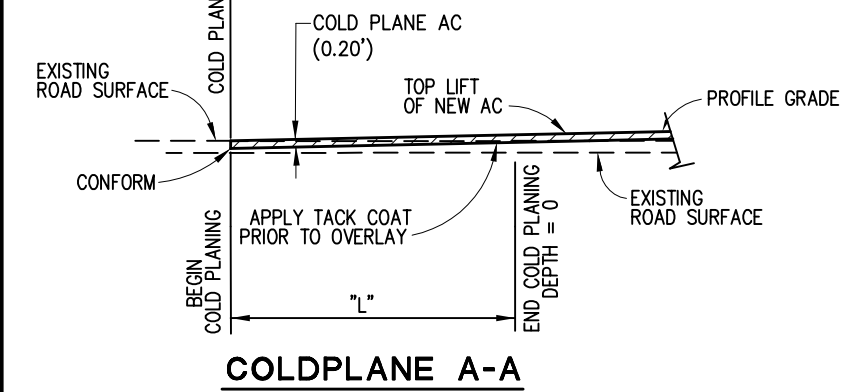
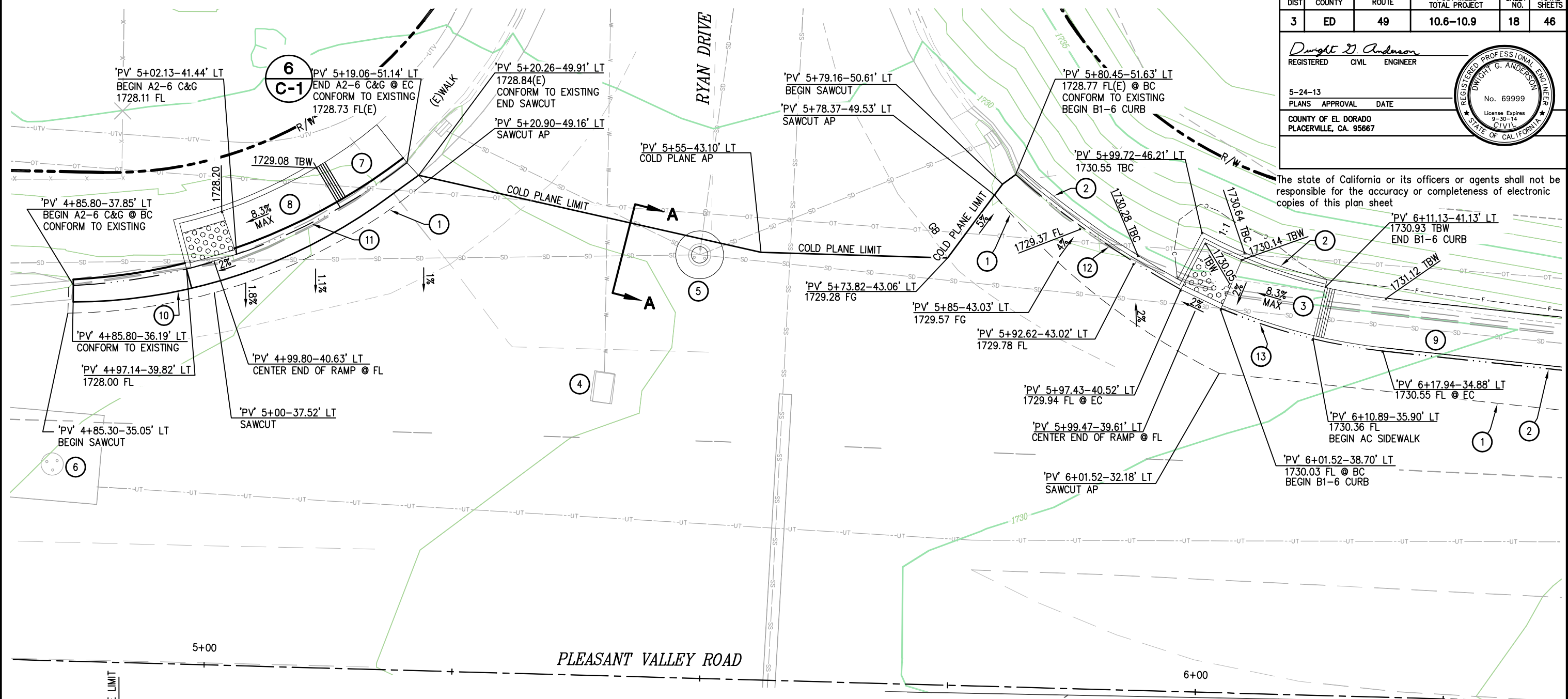
Dwight D. Anderson
REGISTERED CIVIL ENGINEER

5-24-13
PLANS APPROVAL DATE

COUNTY OF EL DORADO
PLACERVILLE, CA. 95667

REGISTERED PROFESSIONAL ENGINEER
DWIGHT G. ANDERSON
No. 69999
License Expires 9-30-14
CIVIL
STATE OF CALIFORNIA

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INTERSECTION DETAIL
PLEASANT VALLEY / RYAN DRIVE

WARNING
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CONSTRUCTION NOTES:

- ① — SAWCUT TO A CLEAN UNIFORM LINE
- ② — TYPE B1-6 CURB, A87A
- ③ — AC CURB RAMP (CASE C) A88A, AND DETAIL 3, SHT C-1
- ④ — EID BLOW OFF VALVE, ADJUST TO GRADE
- ⑤ — SDMH, PROTECT IN PLACE
- ⑥ — ATT MH, PROTECT IN PLACE
- ⑦ — PCC SIDEWALK, TYPE A2-6 C&G, A87A
PCC SIDEWALK TO MATCH EXISTING
- ⑧ — PCC CURB RAMP (CASE C), A88A
AND DETAIL 3, SHT C-1
- ⑨ — AC SIDEWALK, .35'AC OVER .35'AB
- ⑩ — TYPE A2-6 CURB PER A87A

- ⑪ R=59.87' L=36.41'
RAD PNT N=2014399.98 E=6894695.56
- ⑫ R=96.56' L=20.33'
RAD PNT N=2014545.92 E=6894767.91
- ⑬ R=58.4' L=16.93'
RAD PNT N=2014511.07 E=6894783.55

NOTES:
STATION / OFFSET DATA PER 'PV' LINE.
SEE SHEETS L-6, & L-7 FOR COLD PLANE AND LEVELING LIMITS

ABBREVIATIONS:
FG-FINISH GRADE
FL-FLOWLINE
TBW-TOP BACK OF WALK
TBC-TOP BACK OF CURB
VG-VALLEY GUTTER
AP-ANGLE POINT
(E)-EXISTING

CONSTRUCTION DETAIL
C-3
SCALE: 1"=5'

PROJECT ENGINEER	BY	DATE	REVISION
CALCULATED/DESIGNED	BY	DATE	REVISION
CHECKED	BY	DATE	REVISION

DEPARTMENT OF TRANSPORTATION
EL DORADO COUNTY

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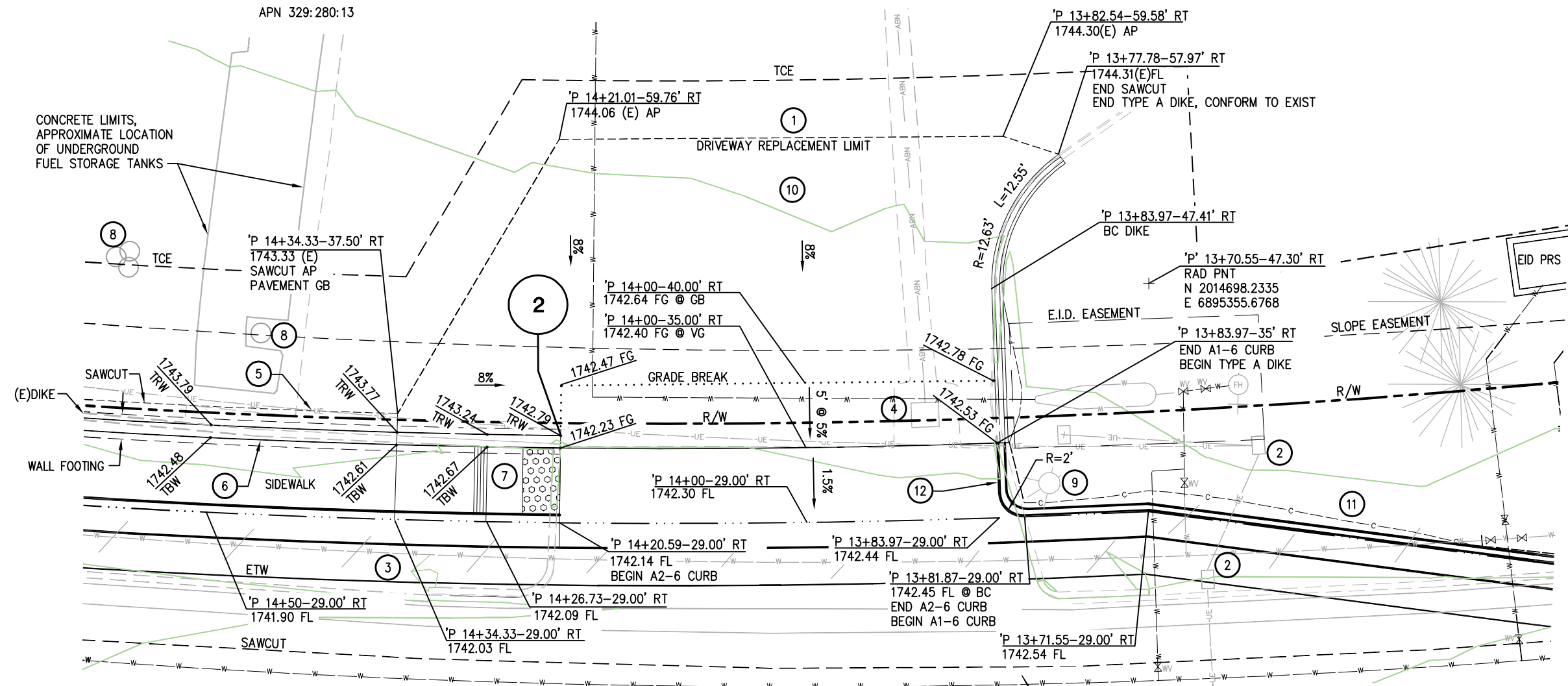
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	19	46

Dwight D. Anderson		
REGISTERED	CIVIL	ENGINEER
5-24-13		
PLANS	APPROVAL	DATE
COUNTY OF EL DORADO PLACERVILLE, CA. 95667		



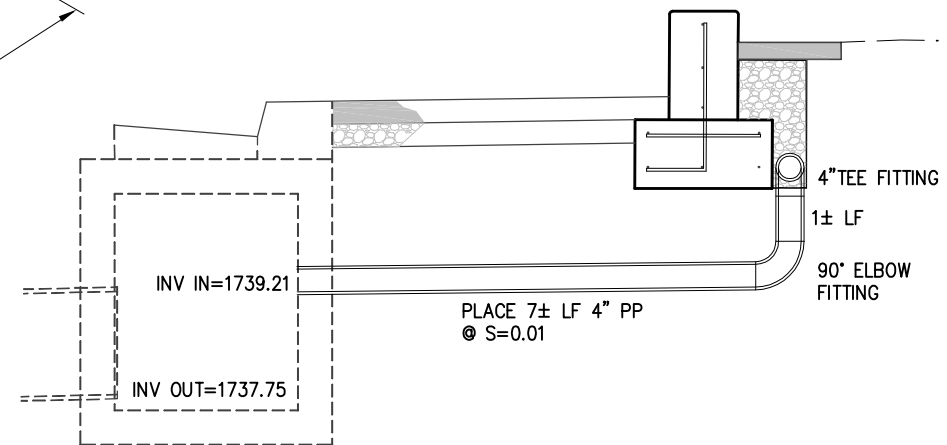
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- CONSTRUCTION NOTES:**
- SAWCUT TO A CLEAN UNIFORM LINE
 - UNDERGROUND UTILITY BOX (SEE SHEET U-4)
 - EID WATERLINE TO BE REMOVED BY CONTRACTOR (SEE SHEET U-4)
 - ABANDON EXTRACTION WELL, BY OTHERS PRIOR TO CONSTRUCTION. CONTRACTOR TO REMOVE UTILITY BOX AND CAP PIPES.
 - APPROX STATION P14+42, BEGIN RELOCATION UG ELECTRICAL. ELECTRICAL AND IRRIGATION TO BE RELOCATED BEHIND WALL (BY OTHERS)
 - 1' WIDE CONCRETE RETAINING WALL LAYOUT LINE(LOL)=TOP BACK OF WALK SEE SHEET L-4 FOR ELEVATIONS
 - CURB RAMP (CASE C) SEE A88A (MODIFIED)
 - FUEL STORAGE VALVES, PROTECT IN PLACE.
 - LIGHT, PROTECT IN PLACE
 - 0.45' AC OVER 0.50 AB (CLASS II)
 - 2:1 CUT/FILL FROM TOP BACK OF CURB P 12+52.46 TO P 13+83.97
 - A1-6 CURB PER A87A

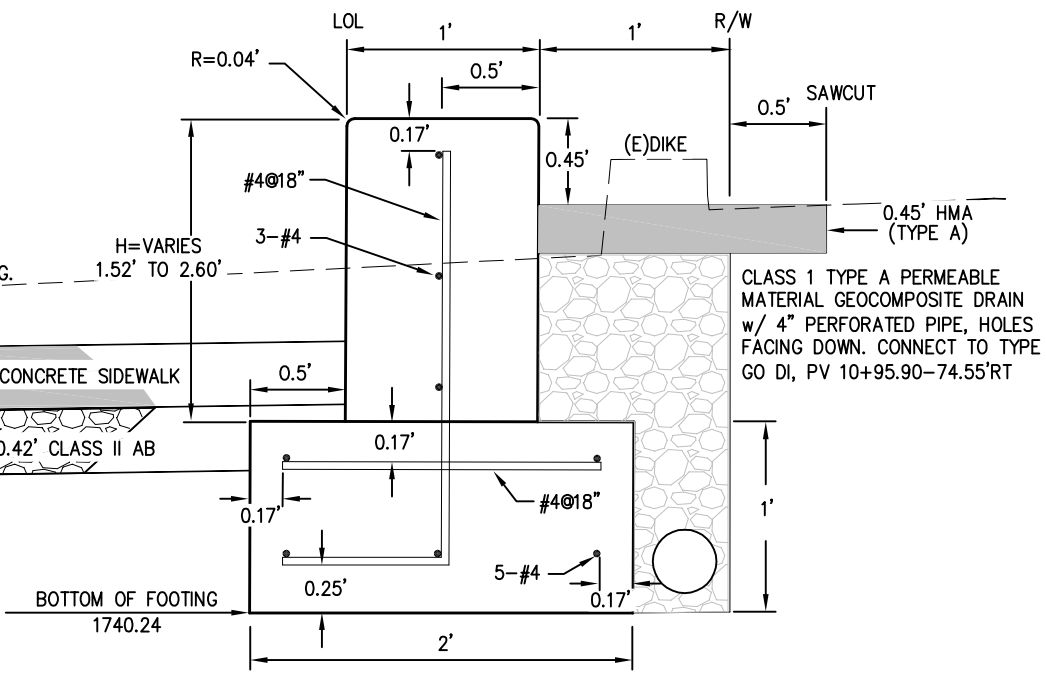


1 DRIVEWAY DETAIL
TOWERMART

ABBREVIATIONS:
TRW=TOP OF RETAINING WALL
TBW=TOP BACK OF WALK
VG=VALLEY GUTTER



4 RETAINING WALL DRAIN CONNECTION
P'V 11+02.02-71.09 RT N.T.S.
P' 15+58.79



2 TYPICAL - RETAINING WALL
P' 14+20.59 TO 15+58.83 N.T.S.

CONSTRUCTION DETAILS
C-4
SCALE: 1"=5'

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RODGERS
APN 329-230-48

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	20	46

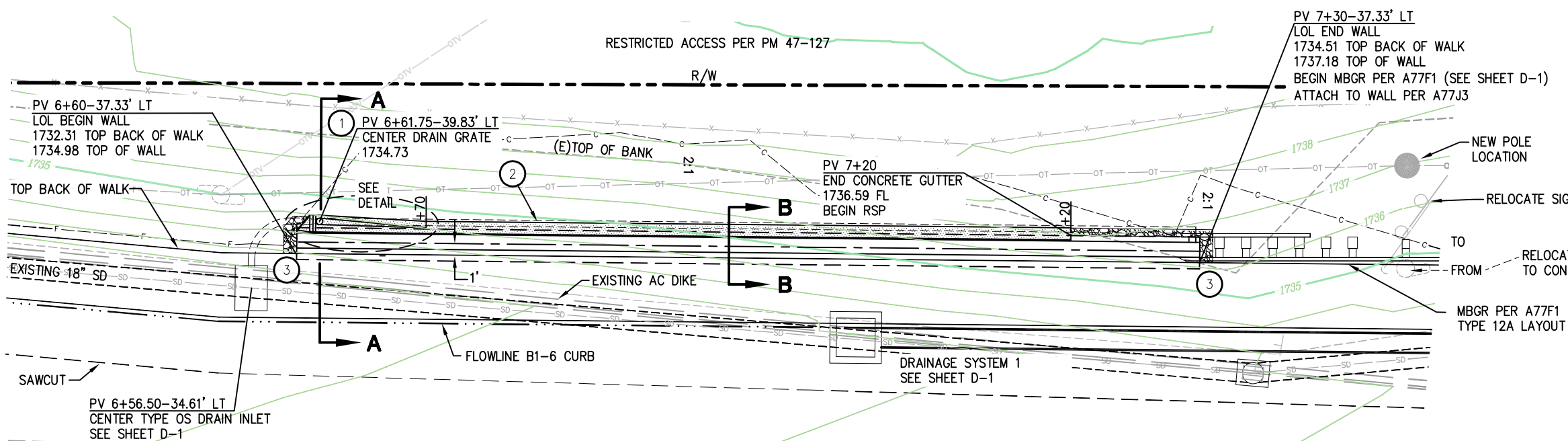
Dwight G. Anderson
REGISTERED CIVIL ENGINEER

5-24-13
PLANS APPROVAL DATE

COUNTY OF EL DORADO
PLACERVILLE, CA. 95667

REGISTERED PROFESSIONAL ENGINEER
DWIGHT G. ANDERSON
No. 69999
License Expires 9-30-14
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STATE OF CALIFORNIA

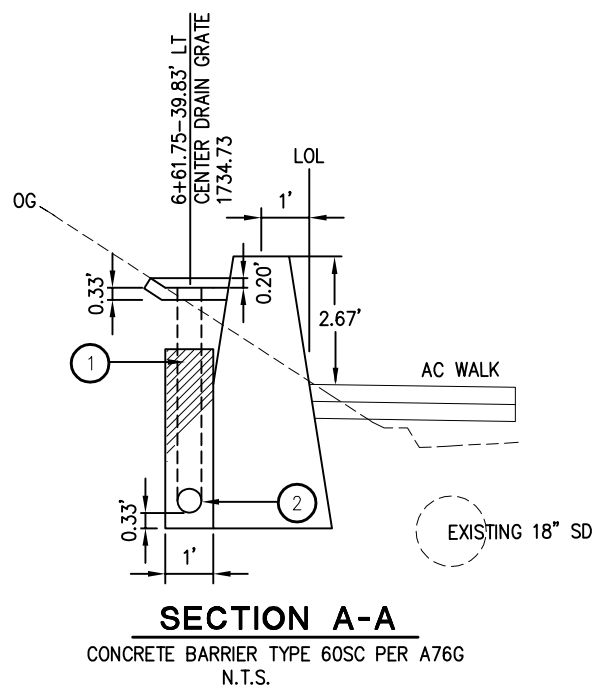
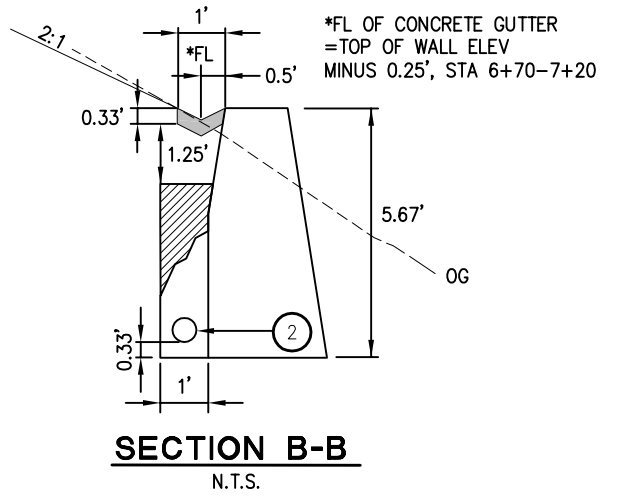
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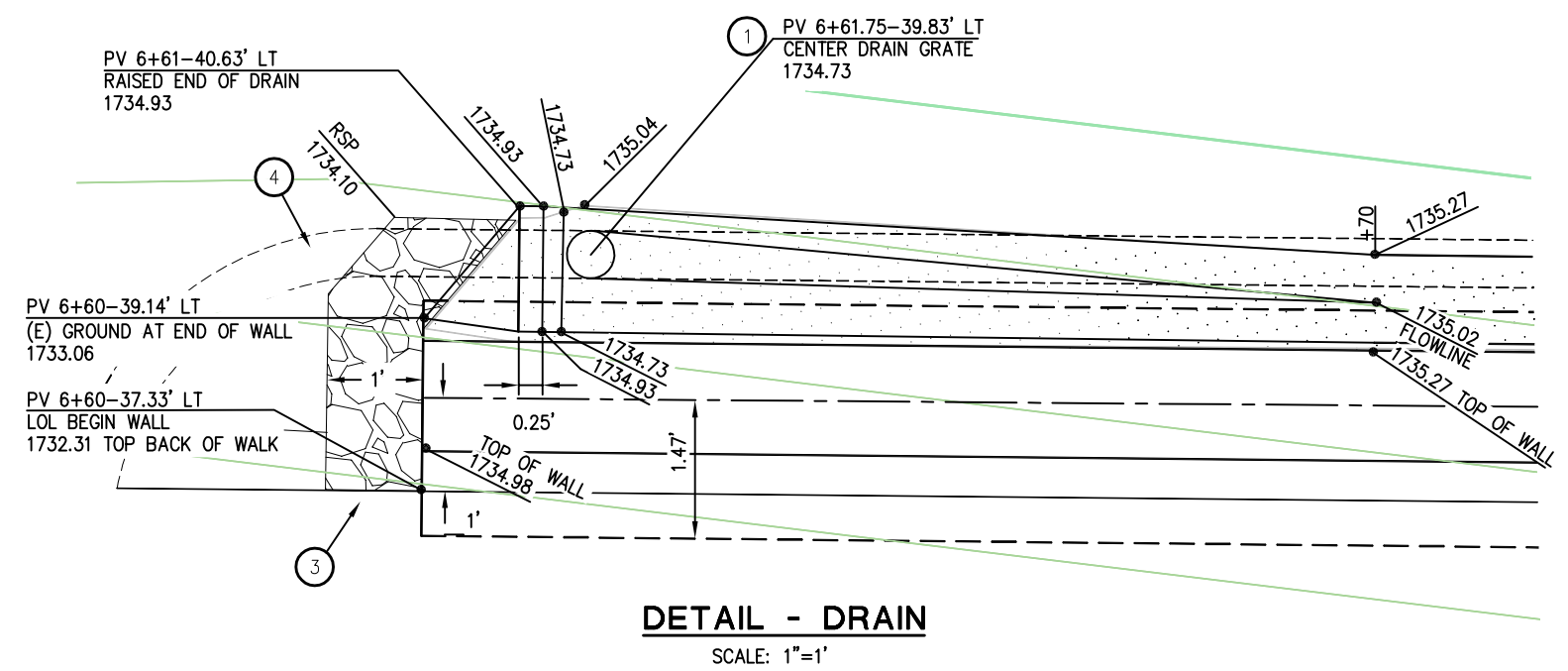
1 PLAN - RETAINING WALL
CONCRETE BARRIER TYPE 60SC PER A76G
LAYOUT LINE = TOP BACK OF WALK
SCALE: 1"=5'

CONSTRUCTION NOTE:
END MBGR AT PV 7+91.90-38.87'LT

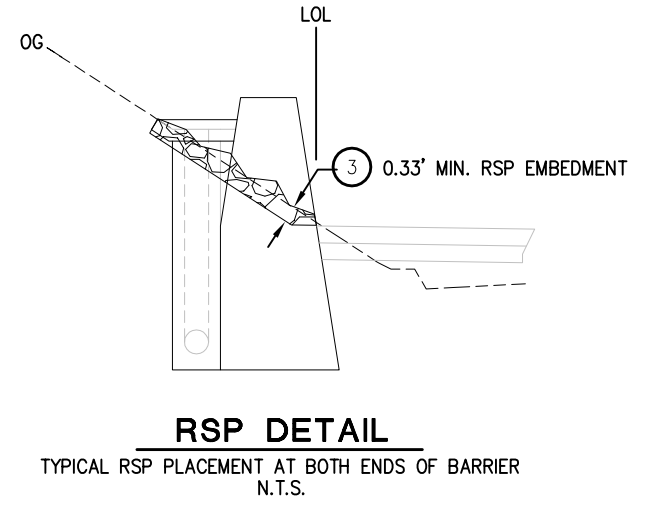
- LEGEND**
- ① - 6" PP DOWNDRAIN
 - ② - 6" PPP
 - ③ - RSP, No.2 BACKING (METHOD B)
 - ④ - 6" PP
 - ⑤ - COMPACTED NATIVE SOIL
- 0.33' THICK CONCRETE GUTTER BEHIND BARRIER
 - CLASS 1 TYPE A PERMEABLE MATERIAL GEOCOMPOSITE DRAIN



SECTION A-A
CONCRETE BARRIER TYPE 60SC PER A76G
N.T.S.



DETAIL - DRAIN
SCALE: 1"=1'



RSP DETAIL
TYPICAL RSP PLACEMENT AT BOTH ENDS OF BARRIER
N.T.S.

CONSTRUCTION DETAIL
C-5
SCALE: 1"=5'

DEPA
 ORTATION
 EL DORADO COUNTY
 FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES
 0 1 2 3
 CALCULATED/DESIGNED BY
 CHECKED BY
 PROJECT ENGINEER
 REVISIONS
 BY DATE
 BY DATE


Drawing Name: C:\Civil 3D\Projects\73320 Patterson at Hwy 49\Drawings\Sheets\C-5.dwg, Layout: Tab: C-5, Last Saved: Wed, 31 Jul 2013 10:41am, BRichards

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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Dwight G. Anderson
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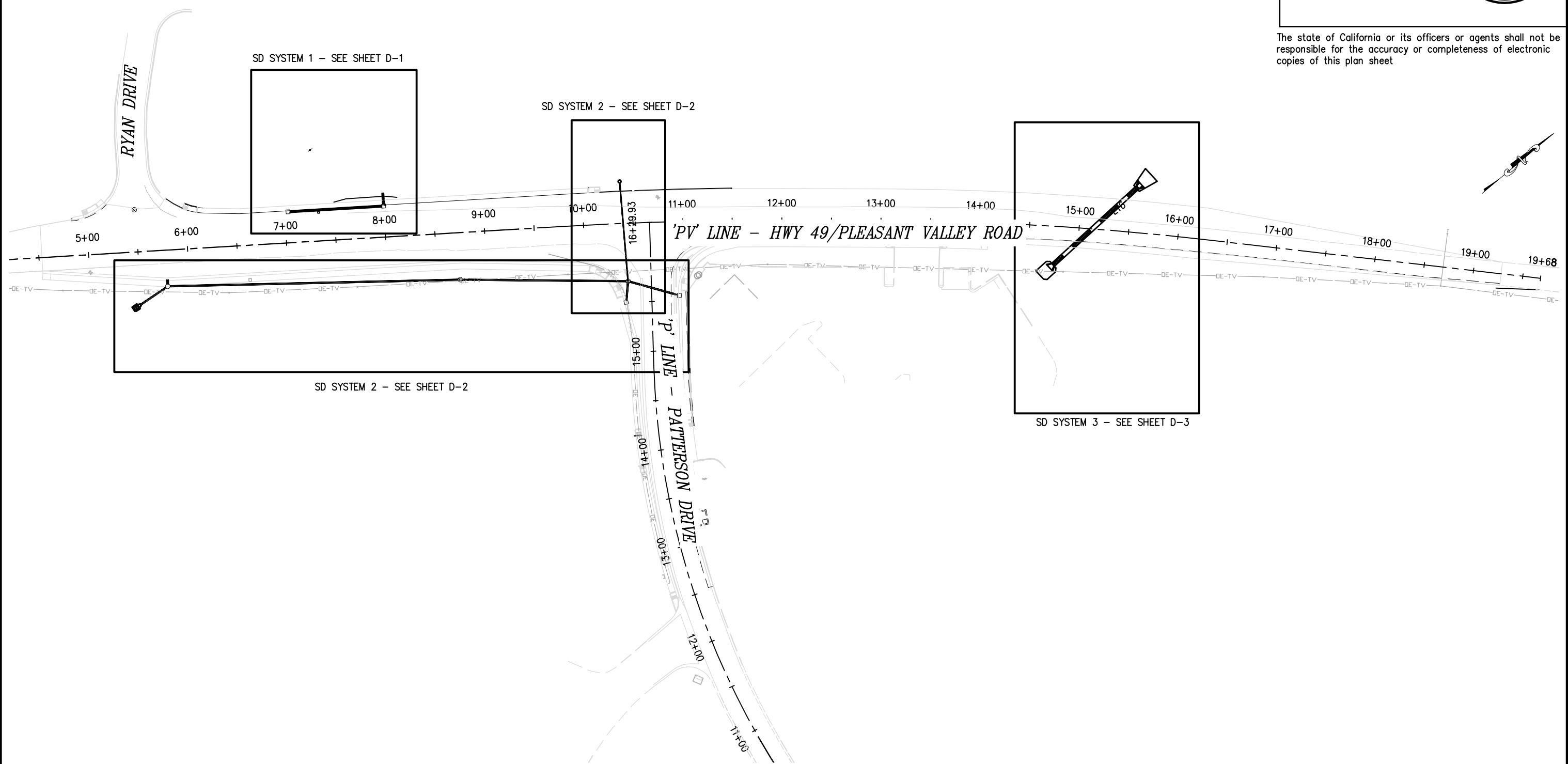
5-24-13
PLANS APPROVAL DATE

COUNTY OF EL DORADO
PLACERVILLE, CA. 95667



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DEPARTMENT OF TRANSPORTATION EL DORADO COUNTY	PROJECT ENGINEER	CALCULATED/DESIGNED BY	DATE	REVISOR	BY
		CHECKED BY		DATE	REVISED



DRAINAGE INDEX MAP
D-INDEX
SCALE: 1"=50'

PW 09-30425	CU 03-0303	EA 03-3E980
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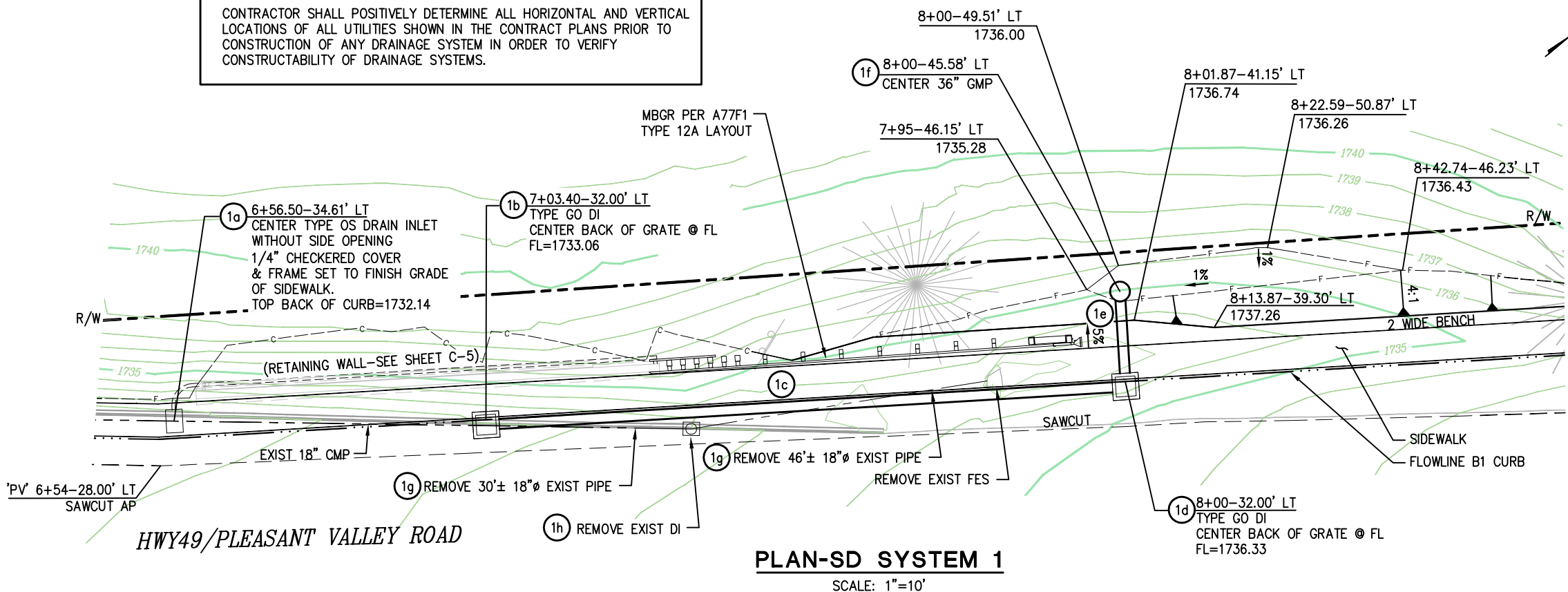
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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	22	46

Dwight D. Anderson		
REGISTERED	CIVIL	ENGINEER
5-24-13		
PLANS	APPROVAL	DATE
COUNTY OF EL DORADO PLACERVILLE, CA. 95667		

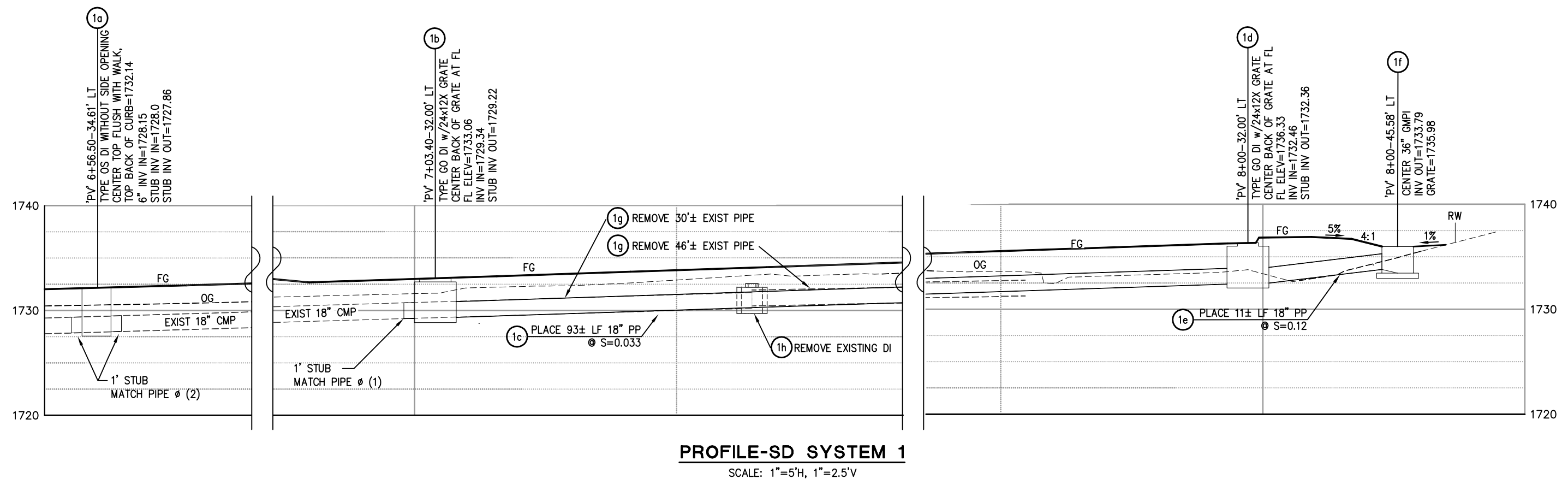
REGISTERED PROFESSIONAL ENGINEER Dwight G. Anderson No. 69999 License Expires 9-30-14 CIVIL STATE OF CALIFORNIA		
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WARNING
 CONTRACTOR SHALL POSITIVELY DETERMINE ALL HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES SHOWN IN THE CONTRACT PLANS PRIOR TO CONSTRUCTION OF ANY DRAINAGE SYSTEM IN ORDER TO VERIFY CONSTRUCTABILITY OF DRAINAGE SYSTEMS.



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CONSTRUCTION NOTES:
 STATION/OFFSET DATA PER 'PV' ALIGNMENT
 EXISTING PIPE, DI, FES & RSP TO BE REMOVED
 BICYCLE PROOF GRATES SHALL BE USED ON TYPE GO DI's PER D77B
 DRAINAGE INLETS 1b AND 1d MUST HAVE 4 INCH BATTERS, 6 INCHES HIGH.



DEPARTMENT OF TRANSPORTATION EL DORADO COUNTY	PROJECT ENGINEER	DATE	REVISION
	CALCULATED/DESIGNED BY	DATE	REVISION
	CHECKED BY	DATE	REVISION
	BY	DATE	REVISION

DRAINAGE SYSTEM 1
 D-1
 SCALE: AS NOTED

PW	09-30425	CU	03-0303	EA	03-3E980
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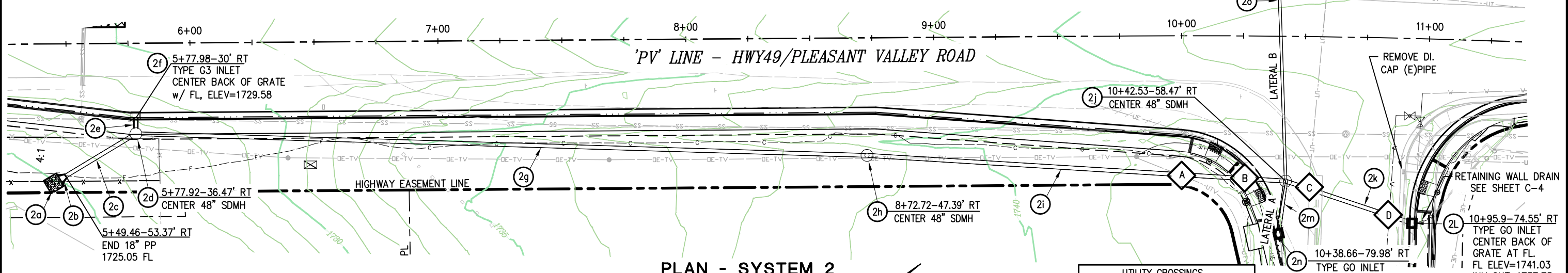
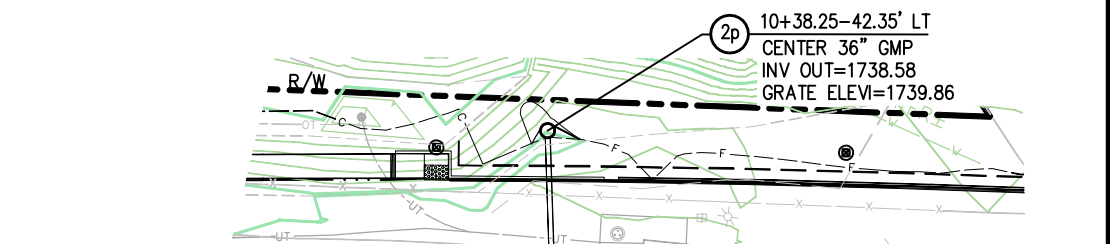
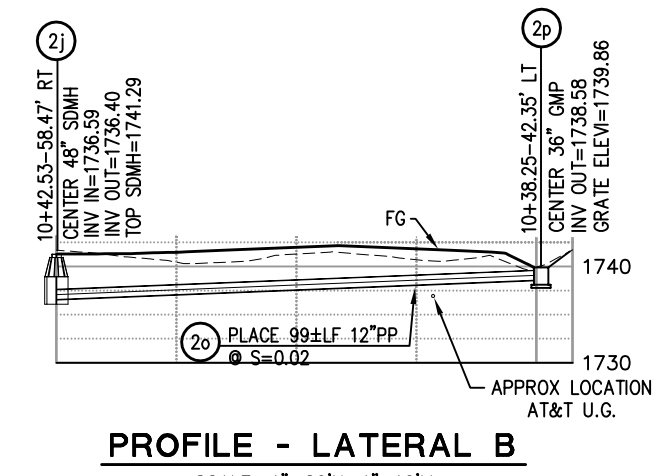
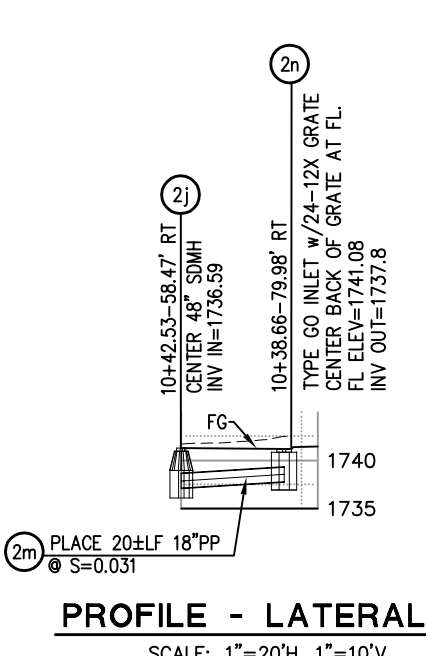
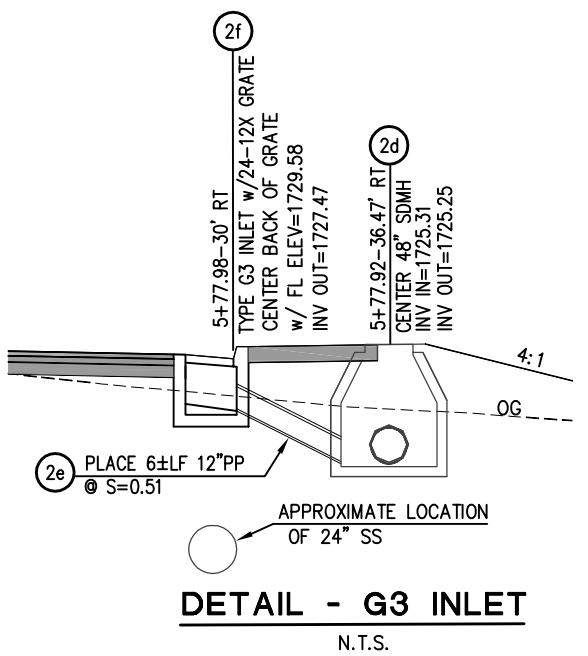
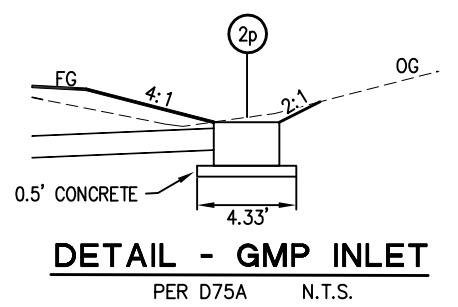
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	23	46

Dwight G. Anderson		
REGISTERED	CIVIL	ENGINEER
5-24-13		
PLANS	APPROVAL	DATE
COUNTY OF EL DORADO		
PLACERVILLE, CA. 95667		

REGISTERED PROFESSIONAL ENGINEER
DWIGHT G. ANDERSON
No. 69999
License Expires 9-30-14
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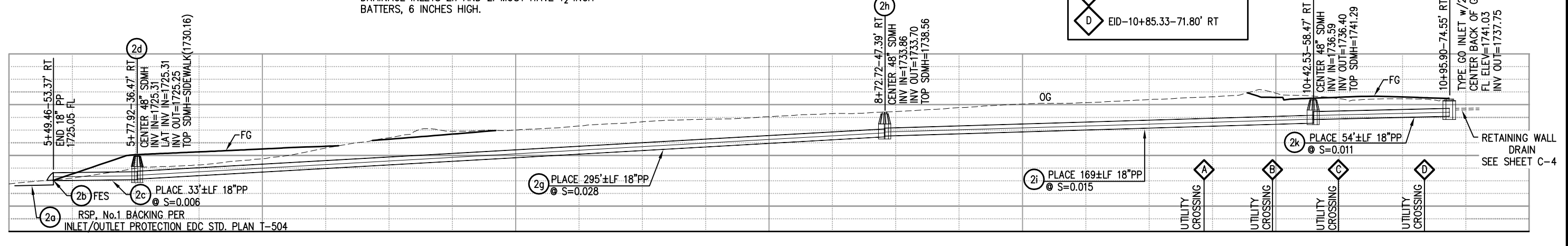
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CONSTRUCTION NOTES:
 STATION OFFSETS ON THIS SHEET PER 'PV' LINE
 BICYCLE GRATES SHALL BE USED ON TYPE GO INLETS PER D77B
 DRAINAGE INLETS 2n AND 2i MUST HAVE 1 1/2 INCH BATTERS, 6 INCHES HIGH.

UTILITY CROSSINGS	
A	COMCAST-9+99.20-56.06' RT
B	PG&E-10+26.33-57.61' RT
C	AT&T-10+52.26-61.59' RT
D	EID-10+85.33-71.80' RT



PROFILE - SYSTEM 2
 SCALE: 1"=20'H, 1"=10'V

DRAINAGE SYSTEM 2
 D-2
 SCALE: AS NOTED

DEPARTMENT OF TRANSPORTATION
 EL DORADO COUNTY
 PROJECT ENGINEER
 CALCULATED/DESIGNED BY
 CHECKED BY
 REVISIONS
 DATE
 REVISIONS
 DATE
 EDC
 5-31

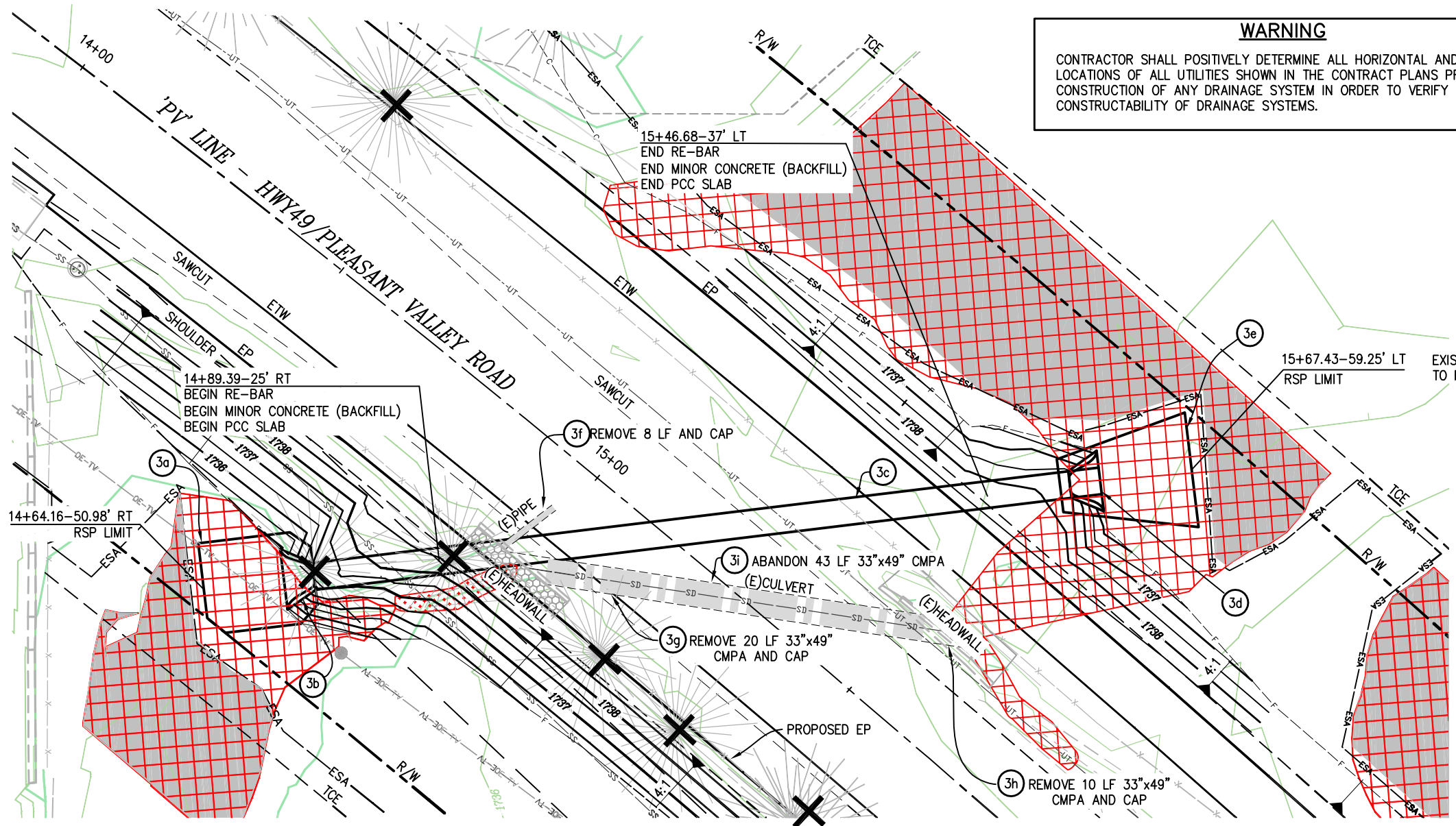
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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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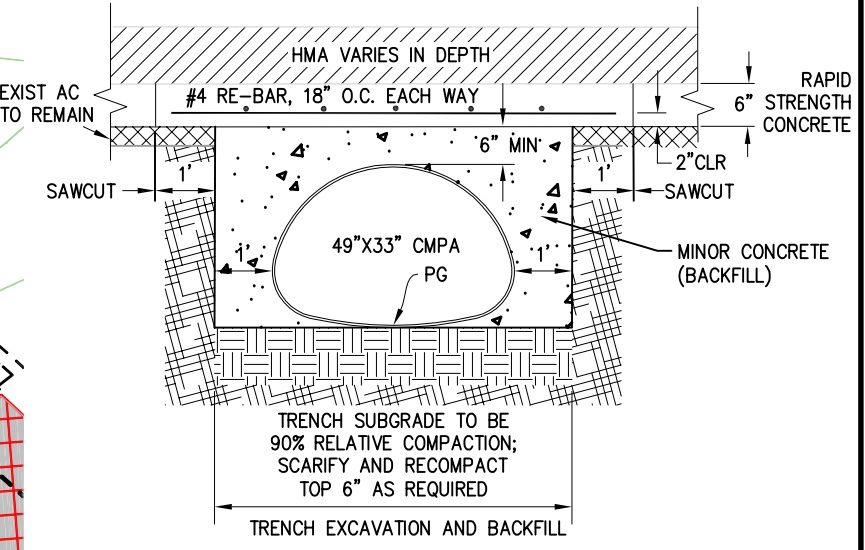
<i>Dwight G. Anderson</i>		
REGISTERED	CIVIL	ENGINEER
5-24-13		
PLANS	APPROVAL	DATE
COUNTY OF EL DORADO PLACERVILLE, CA. 95667		

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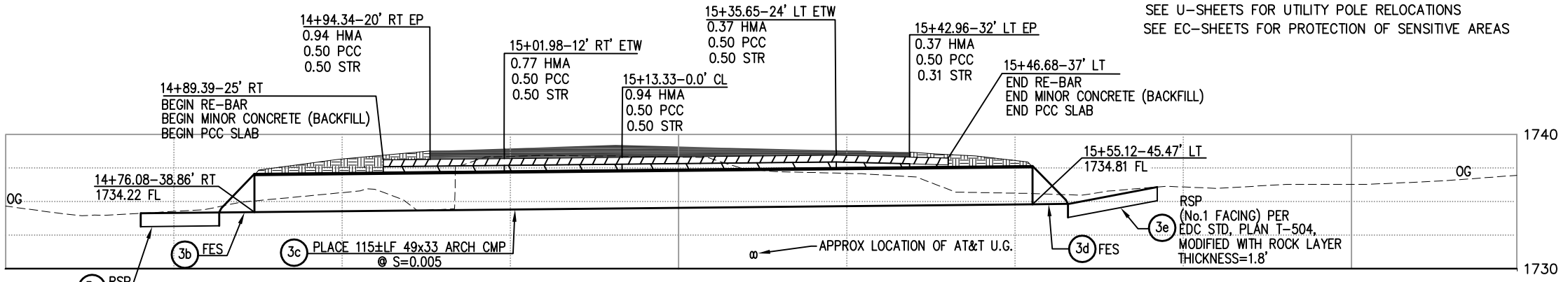
PLAN-SD SYSTEM 3
 SCALE: 1"=10'



TYPICAL TRENCH DETAIL
 49" x 33" CMPA N.T.S.

CONSTRUCTION NOTES:
 STATION/OFFSET DATA PER 'PV' ALIGNMENT
 CONTOUR INTERVAL = 0.5'
 4:1 CUT/FILL UNLESS NOTED
 ALL EXISTING HEADWALLS TO BE REMOVED
 SEE U-SHEETS FOR UTILITY POLE RELOCATIONS
 SEE EC-SHEETS FOR PROTECTION OF SENSITIVE AREAS

- LEGEND:**
- SEASONAL WETLAND, GRADING ALLOWED LIMITED DISTURBANCE ALLOWED
 - WATERS OF THE US, GRADING ALLOWED
 - ENVIRONMENTALLY SENSITIVE AREA NO GRADING ALLOWED LIMITED DISTURBANCE ALLOWED
 - TREES TO BE REMOVED



PROFILE-SD SYSTEM 3
 SCALE: 1"=10'H, 1"=5'V

- STRUCTURAL CONCRETE (PCC SLAB) WITH BAR REINFORCING STEEL (PCC SLAB)
- MINOR CONCRETE (BACKFILL)
- PAVEMENT
- COMPACTED FILL

DRAINAGE SYSTEM 3
 D-3
 SCALE: AS NOTED

PROJECT ENGINEER	CHECKED BY	DESIGNED BY	DATE	REVISIONS

Drawing Name: C:\Civil 3D\Projects\73320 Patterson at Hwy 49\Drawings\Sheets\D-3.dwg, Layout Tab: D-3, Last Saved: Thu, 08 Aug 2013 - 7:46am, BRichards

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	25	46

Dwight G. Anderson
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5-24-13
 PLANS APPROVAL DATE

COUNTY OF EL DORADO
 PLACERVILLE, CA. 95667

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PLAN SHEET NO.	SYSTEM NO.	DRAINAGE UNIT	TYPE OS INLET	TYPE G3 INLET	TYPE G0 INLET	12" PLASTIC PIPE	18" PLASTIC PIPE	36" DIA TYPE GMP INLET	18" METAL FES	48" DIA SD MANHOLE	49"x33" METAL FES	49"x33" CMP ARCH PIPE	PCC CONCRETE SLAB	#4 REBAR, 18" OC EACH WAY	MINOR CONCRETE BACKFILL	RSP (No.1)	RSP FABRIC	REMOVE DRAINAGE INLET	REMOVE (E) 18" SD PIPE	REMOVE (E) 12" SD PIPE	REMOVE 33x49 CMPA CULVERT	ABANDON 33x49 CMPA CULVERT	SAND BACKFILL	CALTRANS STANDARD PLAN OR DETAIL REFERENCES	SLOPE	STATION	DRAINAGE UNIT	SYSTEM NO.	PLAN SHEET NO.					
D-1	1	a	EA																															
		b	1																						D72		'PV' 6+56.50-34.61' LT	a	1	D-1				
		c			1																				D74B	S=0.033	'PV' 7+03.40-32.00' LT	b						
		d				1																			D74B		'PV' 8+00-32.00' LT	c						
		e					11																				S=0.12	'PV' 8+00-45.58' LT			d			
		f						1																		D75A		'PV' 8+00-45.58' LT			e			
		g																		76								REMOVE (E) 18" SD PIPE			f			
		h																										1			REMOVE (E) SD INLET	g		
h																																h		
D-2	2	a														2	7														a			
		b								1																						b		
		c									33																	S=0.006	'PV' 5+49.46-53.37' RT	c				
		d										1																				d		
		e											6																			e		
		f			1																												f	
		g																															g	
		h																															h	
		i																																i
		j																																j
		k																																k
		l																																l
		m				1																												m
		n					1																											n
o																																o		
p																																p		
D-3	3	a																														a		
		b																															b	
		c																															c	
		d																															d	
		e																															e	
		f																															f	
g																															g			
h																															h			
i																																i		
BID QUANTITY			1	1	4	105	678	2	1	3	2	115	13	700	42	33	67	1	76	8	30	43	25											

BID QUANTITY

DRAINAGE QUANTITIES
D-4
 SCALE: NONE

Drawing Name: C:\Civil 3D Projects\73320 Patterson at Hwy 49\Drawings\Sheets\D-4.dwg, Layout Tab: D-4, Last Saved: Fri, 09 Aug 2013 10:18am, BRichards

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	26	46

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5-24-13
PLANS APPROVAL DATE

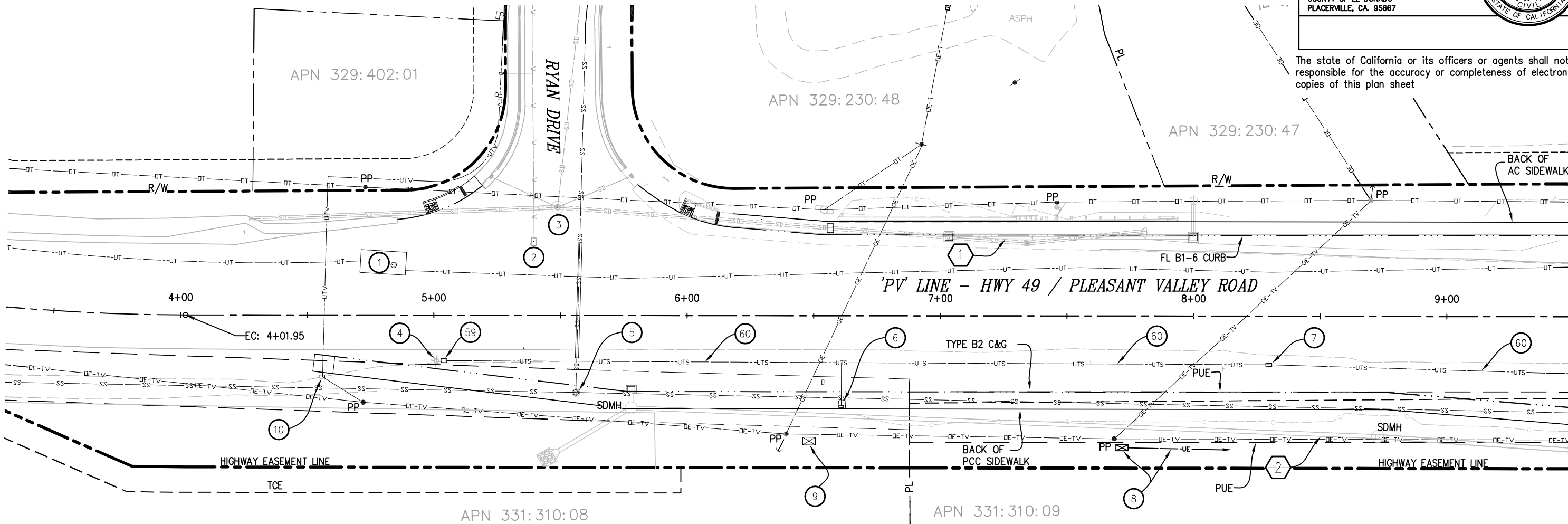
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REGISTERED PROFESSIONAL ENGINEER
Dwight G. Anderson
No. 69999
License Expires 9-30-14
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WARNING

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PLAN - HWY49/PLEASANT VALLEY ROAD
"PV" 4+00 TO 9+50

LEGEND

- EXISTING UTILITIES
- OTV—OTV— OVERHEAD CABLE TV
 - OE—OE— OVERHEAD ELECTRICAL
 - OE-TV— OVERHEAD ELECTRICAL & CABLE TV
 - OE-T— OVERHEAD ELECTRICAL & TELEPHONE
 - OT—OT— OVERHEAD TELEPHONE
 - SS—SS— SANITARY SEWER LINE (GRAVITY)
 - SD—SD— STORM DRAIN LINE
 - UTV— UNDERGROUND CABLE TV
 - UE— UNDERGROUND ELECTRICAL
 - UT— UNDERGROUND TELEPHONE
 - UTS— UNDERGROUND TRAFFIC SIGNAL
 - W—W— WATER LINE
 - — — — — CENTERLINE
 - — — — — PROPERTY LINE
 - x—x— FENCE LINE
 - — — — — RIGHT OF WAY
- ① STORM DRAINAGE SYSTEM NUMBER (SEE D SHEETS)

CONSTRUCTION NOTES:

- ① AT&T MANHOLE LID, PROTECT IN PLACE
- ② EID BLOW OFF VALVE, ADJUST TO GRADE
- ③ SDMH, ADJUST TO GRADE
- ④ REMOVE FLASHING SIGNAL POLE, FLASHING BEACON AND POLE FOUNDATION SEE E SHEETS
- ⑤ RECONSTRUCT EID SEWER MANHOLE TO MATCH FINISH GRADE OF SIDEWALK RIM ELEV 1727.26(EXISTING) RIM ELEV 1730.16(PROPOSED)
- ⑥ REMOVE TRAFFIC SIGNAL BOX (SEE E-SHEETS)
- ⑦ REMOVE TRAFFIC SIGNAL BOX (SEE E-SHEETS)
- ⑧ NEW PULL BOX AND CONDUIT (TO CONTROLLER) (SEE E-SHEETS)
- ⑨ NEW POWER SUPPLY BOX (TV) TO BE INSTALLED BY OTHERS PRIOR TO CONSTRUCTION
- ⑩ NEW COMCAST SPLICE BOX TO BE INSTALLED BY OTHERS PRIOR TO CONSTRUCTION
- ⑤⑨ REMOVE TRAFFIC SIGNAL BOX (SEE E-SHEETS)
- ⑥⑩ ABANDON CONDUIT (SEE E-SHEETS)

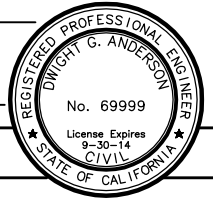
UTILITIES
U-1
SCALE: 1"=20'

PROJECT ENGINEER	DATE	REVISION	BY
CALCULATED/DESIGNED	BY	CHECKED	BY
EL DORADO COUNTY	DEPARTMENT OF TRANSPORTATION	FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES	3 2 1 0

MATCH LINE 'PV' 9+50 SEE U-2

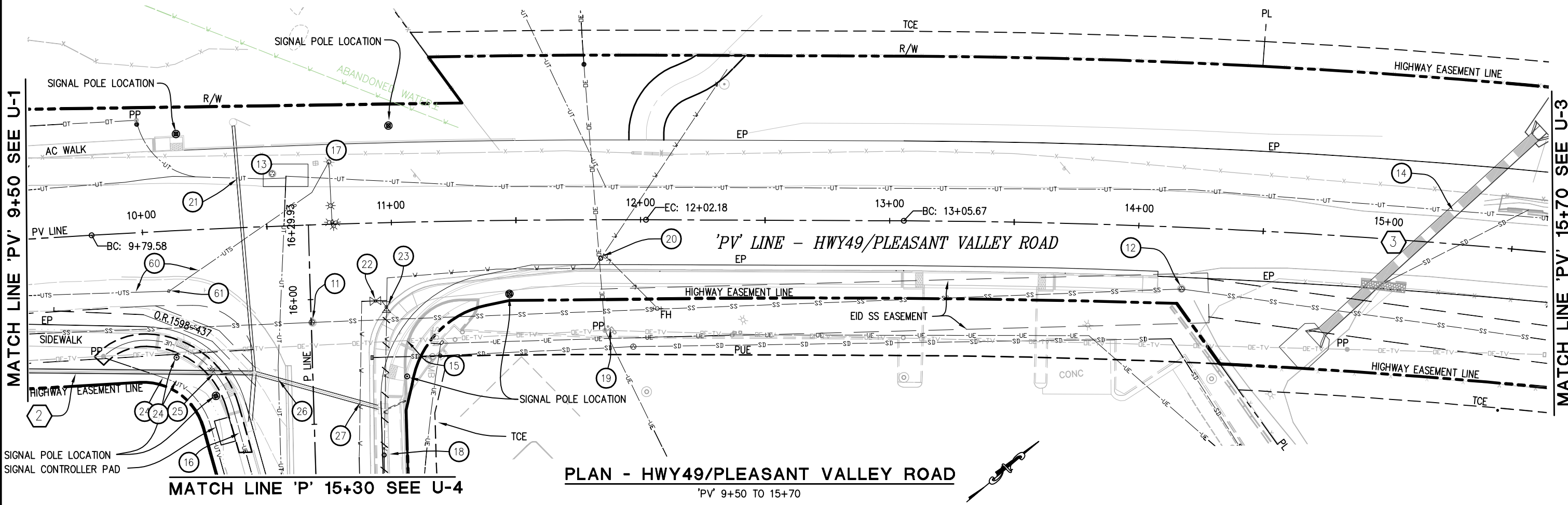
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	27	46

Dwight G. Anderson
REGISTERED CIVIL ENGINEER
5-24-13
PLANS APPROVAL DATE
COUNTY OF EL DORADO
PLACERVILLE, CA. 95667



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WARNING
THE LOCATIONS AND/OR ELEVATIONS OF EXISTING UNDERGROUND UTILITIES ON THESE PLANS ARE ONLY APPROXIMATE. CONTRACTOR TO VERIFY ACTUAL LOCATION AND ELEVATION OF ALL EXISTING UNDERGROUND UTILITIES.



PLAN - HWY49/PLEASANT VALLEY ROAD
'PV' 9+50 TO 15+70

CONSTRUCTION NOTES:

- 11 RECONSTRUCT SSMH TO MATCH FG OF ASPHALT
RIM ELEV 1740.87(EXISTING) RIM ELEV 1741.76(PROPOSED)
- 12 RECONSTRUCT SSMH TO MATCH FG
RIM ELEV 1738.05(EXISTING) RIM ELEV 1739.42(PROPOSED)
- 13 AT&T TO ADJUST TELEPHONE MANHOLE TO GRADE
1740.52(EXISTING) 1741.87(PROPOSED)
- 14 AT&T UT, PROTECT IN PLACE
- 15 REMOVE POLE AND LIGHT, BY PG&E DURING CONSTRUCTION
- 16 PG&E TO TRENCH AND INSTALL 90'±LF, 1-4" UE CONDUIT. INTERCEPT EXISTING PRIMARY AT ('P'15+12-21'LT) AND REROUTE TO NEW POLE. PG&E TO REMOVE APPROX. 10'LF OF EXISTING CONDUIT (5'LF ON EACH SIDE OF SD SYSTEM 2), PRIOR TO CONSTRUCTION.
- 17 SALVAGE FLASHING SIGNAL POLE AND REMOVE SIGNAL POLE FOUNDATION
- 18 WATER VALVE TO BE REMOVED WITH WATERLINE, 'P'13+50 TO 'P'16+00

- 19 REMOVE FLAGPOLE, BY OTHERS, PRIOR TO CONSTRUCTION
- 20 ADJUST WATER LINE VALVE COVER TO GRADE
- 21 AT&T UT, PROTECT IN PLACE
- 22 ADJUST WATER LINE VALVE COVER TO GRADE
- 23 ADJUST WATER LINE VALVE COVER TO GRADE
- 24 UTV UTILITY CROSSING, SEE SHEET D-2, PROTECT IN PLACE
- 25 UE UTILITY CROSSING, SEE SHEET D-2, PROTECT IN PLACE
- 26 UT UTILITY CROSSING, SEE SHEET D-2, PROTECT IN PLACE
- 27 WATERLINE CROSSING, PROTECT IN PLACE
- 60 ABANDON CONDUIT, SEE E SHEETS
- 61 REMOVE TRAFFIC SIGNAL BOX, SEE E SHEETS

1 STORM DRAINAGE SYSTEM NUMBER
(SEE D SHEETS)

DEPARTMENT OF TRANSPORTATION
EL DORADO COUNTY
FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES

UTILITIES
U-2
SCALE: 1"=20'

Drawing Name: C:\Civil 3D Projects\3320 Patterson at Hwy 49\Drawings\Sheets\U-2.dwg, Layout Tab: U-2, Last Saved: Thu, 25 Jul 2013 - 2:02pm, Richards

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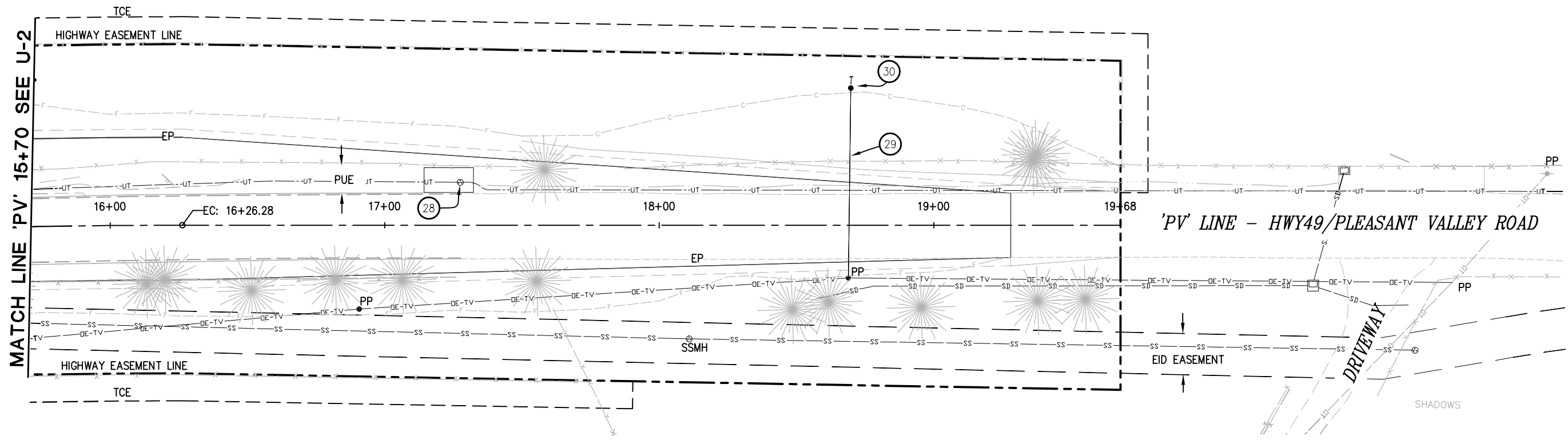
Dwight G. Anderson
REGISTERED CIVIL ENGINEER



5-24-13
PLANS APPROVAL DATE
COUNTY OF EL DORADO
PLACERVILLE, CA. 95667

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WARNING
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PLAN - HWY49/PLEASANT VALLEY ROAD
'PV' 15+70 TO 19+68

CONSTRUCTION NOTES:

- 28 AT&T TO ADJUST TELEPHONE MANHOLE TO GRADE
1738.71 (EXISTING)
1740.17 (PROPOSED)
- 29 OVERHEAD GUY WIRE
- 30 GUY POLE AND ANCHOR

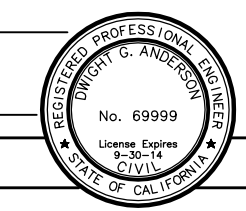
DEPARTMENT OF TRANSPORTATION EL DORADO COUNTY	PROJECT ENGINEER	CHECKED BY	BY	DATE	REVISOR	BY	DATE
	FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES	0	1	2	3		

UTILITIES
U-3
SCALE: 1"=20'

Drawing Name: C:\Civil 3D Projects\73320 Patterson at Hwy 49\Drawings\Sheets\U-3.dwg, Layout Tab: U-3, Last Saved: Thu, 08 Aug 2013 - 10:15am, BRichards

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	29	46

Dwight G. Anderson REGISTERED CIVIL ENGINEER		
5-24-13	PLANS APPROVAL DATE	
COUNTY OF EL DORADO PLACERVILLE, CA. 95667		

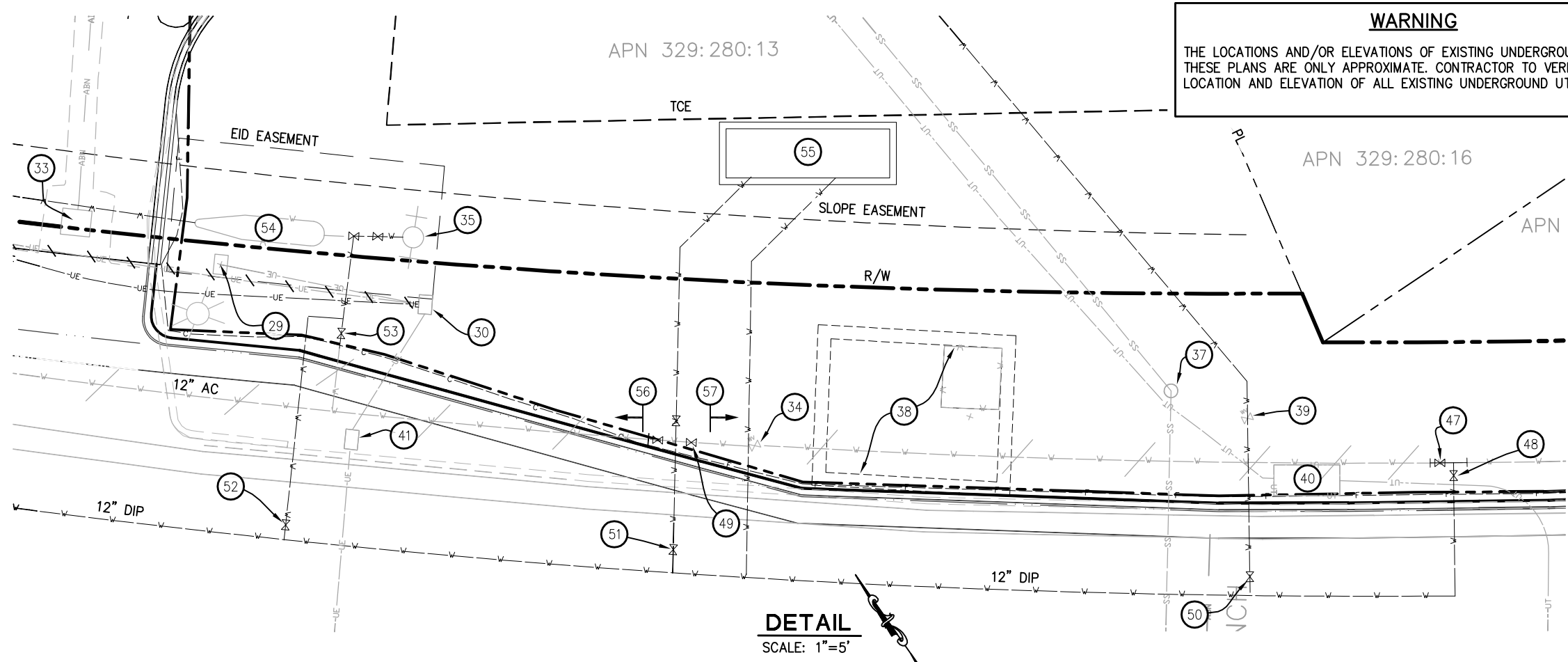


WARNING
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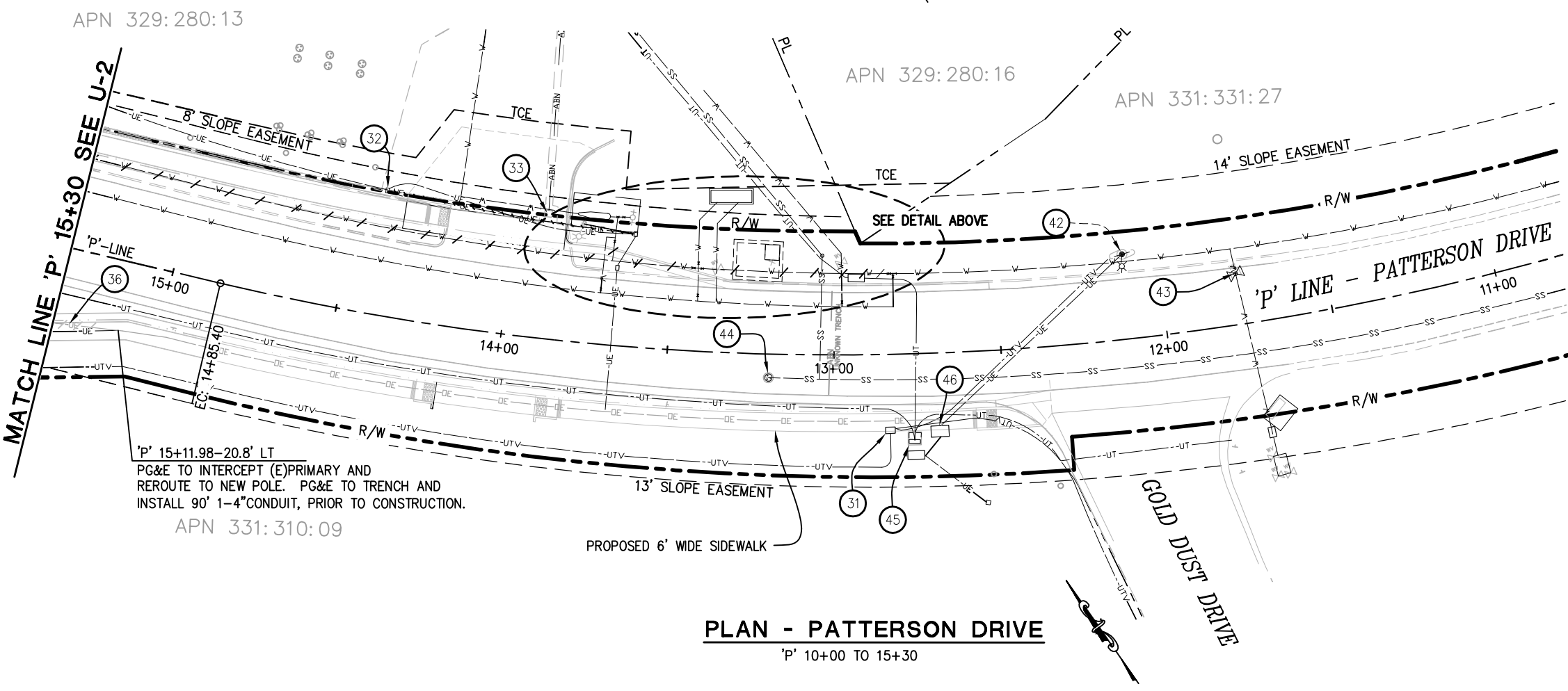
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CONSTRUCTION NOTES:

- 29 LIGHT POLE, PROTECT IN PLACE
- 30 ELECTRIC BOX, PROTECT IN PLACE
- 31 COMCAST SPLICE BOX TO BE PLACED AT FG OF SIDEWALK, BY OTHERS, PRIOR TO CONSTRUCTION TOP BACK OF WALK=1743.82
- 32 NEW TRAFFIC RATED ELECTRIC SPLICE BOX, LOCATE BEHIND PROPOSED CURB, BY OTHERS 'P' 14+41'-37.4' RT, PROTECT IN PLACE
- 33 ABANDON EXTRACTION WELL, BY OTHERS PRIOR TO CONSTRUCTION CONTRACTOR TO REMOVE UTILITY BOX AND CAP PIPES.
- 34 EID TO REMOVE VALVE, PRIOR TO CONSTRUCTION, SEE NOTE 58
- 35 FIRE HYDRANT AND VALVE,, PROTECT IN PLACE
- 36 PG&E TO REMOVE APPROX. 10'LF EXISTING CONDUIT, (5'LF ON EACH SIDE OF SD SYSTEM 2), PRIOR TO CONSTRUCTION
- 37 SS CLEAN OUT, PROTECT IN PLACE
- 38 EXISTING EID PRESSURE REDUCING STATION TO BE REMOVED BY EID, PRIOR TO CONSTRUCTION
- 39 EID WATER METER, PROTECT IN PLACE
- 40 AT&T VAULT, PROTECT IN PLACE
- 41 REMOVE UTILITY BOX AND ABANDON CONDUITS
- 42 UTILITY POLE w/LIGHT, PROTECT IN PLACE
- 43 EID WATER VALVE, PROTECT IN PLACE
- 44 SSMH, ADJUST TO GRADE, 1743.23(EXISTING) 1743.41(PROPOSED)
- 45 AT&T SERVICE CABINET, PROTECT IN PLACE
- 46 PG&E VAULT, ADJUST TO FINISH GRADE OF SIDEWALK 1743.67(EXISTING) 1743.93(PROPOSED) PG&E TO INSTALL VAULT, PRIOR TO CONSTRUCTION
- 47 EID WATER VALVE, PROTECT IN PLACE
- 48 EID WATER VALVE COVER, ADJUST TO GRADE
- 49 EID WATER VALVE COVER, TYP 3, PROTECT IN PLACE
- 50 EID WATER VALVE COVER, ADJUST TO GRADE
- 51 EID WATER VALVE COVER, ADJUST TO GRADE
- 52 EID WATER VALVE COVER, ADJUST TO GRADE
- 53 EID WATER VALVE, PROTECT IN PLACE
- 54 BACKFLOW PREVENTER w/ FIRE DEPARTMENT CONNECTION, PROTECT IN PLACE
- 55 PRESSURE REDUCING STATION, INSTALLED BY EID PRIOR TO CONSTRUCTION, PROTECT IN PLACE
- 56 CONTRACTOR TO REMOVE WATERLINE, 'P'13+50 TO 'P'16+00
- 57 EID TO REMOVE WATERLINE AND VALVES, PRIOR TO CONSTRUCTION, 'P'13+00 TO 'P'13+50



DETAIL
SCALE: 1"=5'



PLAN - PATTERSON DRIVE
'P' 10+00 TO 15+30

UTILITIES
U-4
SCALE: 1"=20'

PROJECT ENGINEER	BY	DATE	REVISION
EL DORADO COUNTY	BY	DATE	REVISION

STAGE 1 NOTES

HMA LEVELING FOR HWY 49 AND PATTERSON DRIVE.
SEE SHEET L-6 & L-7 FOR LEVELING LIMITS

- REFER TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS FOR TRAFFIC HANDLING & ACCESS REQUIREMENTS WITHIN THE WORK AREA.
- MAINTAIN EXISTING SHOULDER AREA AS LONG AS POSSIBLE.
- EXACT LOCATION OF CONSTRUCTION AREA SIGNS SHALL BE DETERMINED BY ENGINEER.
- CONTRACTOR SHALL SUBMIT TRAFFIC CONTROL PLAN FOR ANY CHANGES ON THE STAGE CONSTRUCTION PLANS TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO IMPLEMENTATION. CONTRACTOR TO COORDINATE ALL STAGE CONSTRUCTION AND TRAFFIC HANDLING WITH UTILITY RELOCATIONS.

- REMOVE EXISTING OR TEMPORARY STRIPING WHEN NO LONGER REQUIRED FOR PUBLIC SAFETY.
- PLACE TEMPORARY CENTERLINE STRIPE TO ALLOW 11 FOOT (MIN) LANES.
- PLACE PORTABLE DELINEATORS AT ETW, 11 FEET (MIN) FROM CENTERLINE.
- PLACE 'STOP' LEGENDS AND LIMIT LINES AS SHOWN.
- IN EACH STAGE OF WORK, STREET LIGHTING SHALL BE INSTALLED AND OPERATIONAL, PRIOR TO THE REMOVAL OF EXISTING STREET LIGHTING AFFECTED BY THAT STAGE OF WORK. STREET LIGHTING SHALL BE PROVIDED AT ALL TIMES.
- EXISTING R1-1 'STOP' SIGNS AND EXISTING RED FLASHING BEACON TO REMAIN IN OPERATION FOR STAGE 1 WORK.

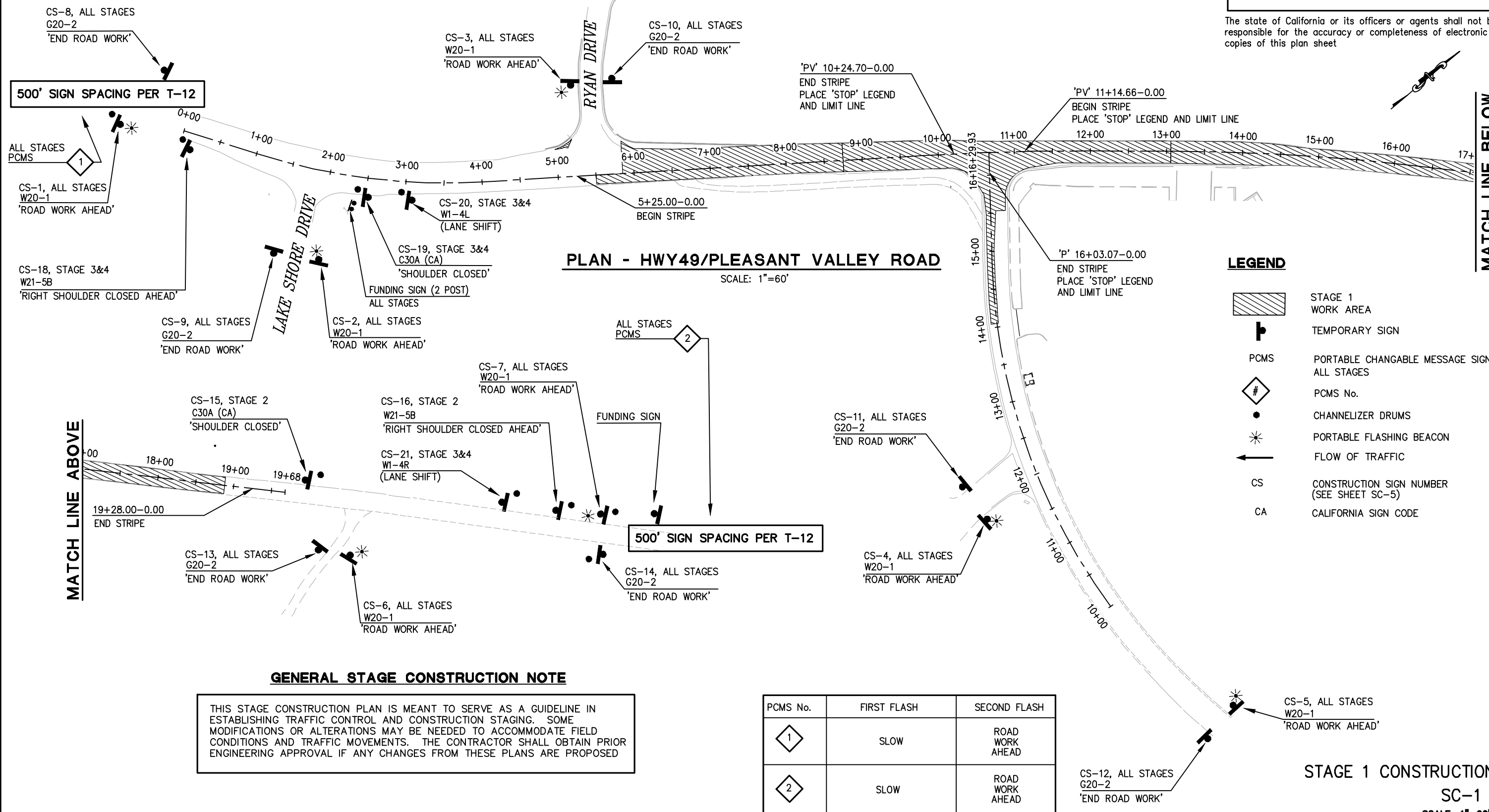
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	30	46

Dwight G. Anderson
REGISTERED CIVIL ENGINEER
No. 69999
License Expires 9-30-14
STATE OF CALIFORNIA

5-24-13
PLANS APPROVAL DATE

COUNTY OF EL DORADO
PLACERVILLE, CA. 95667

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PLAN - HWY49/PLEASANT VALLEY ROAD

SCALE: 1"=60'

LEGEND

- STAGE 1 WORK AREA
- TEMPORARY SIGN
- PCMS
- PORTABLE CHANGABLE MESSAGE SIGN, ALL STAGES
- PCMS No.
- CHANNELIZER DRUMS
- PORTABLE FLASHING BEACON
- FLOW OF TRAFFIC
- CS
- CONSTRUCTION SIGN NUMBER (SEE SHEET SC-5)
- CA
- CALIFORNIA SIGN CODE

GENERAL STAGE CONSTRUCTION NOTE

THIS STAGE CONSTRUCTION PLAN IS MEANT TO SERVE AS A GUIDELINE IN ESTABLISHING TRAFFIC CONTROL AND CONSTRUCTION STAGING. SOME MODIFICATIONS OR ALTERATIONS MAY BE NEEDED TO ACCOMMODATE FIELD CONDITIONS AND TRAFFIC MOVEMENTS. THE CONTRACTOR SHALL OBTAIN PRIOR ENGINEERING APPROVAL IF ANY CHANGES FROM THESE PLANS ARE PROPOSED

PCMS No.	FIRST FLASH	SECOND FLASH
1	SLOW	ROAD WORK AHEAD
2	SLOW	ROAD WORK AHEAD

STAGE 1 CONSTRUCTION

SC-1

SCALE: 1"=60'

DEPARTMENT OF TRANSPORTATION
EL DORADO COUNTY
PROJECT ENGINEER
FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES
3
2
1
0
CALCULATED/DESIGNED BY
CHECKED BY
DATE
REVISOR
BY
DATE
REVISED

Drawing Name: C:\Civil 3D\Projects\73320 Patterson at Hwy 49\Drawings\SC-1.dwg, Layout Tab: SC-1, Last Saved: Tue, 13 Aug 2013 - 12:50pm, SMCvey

STAGE 2 NOTES:

SEE SHEET SC-1 FOR LEGEND AND SIGN PLACEMENT

STAGE 2 IS INTENDED TO FACILITATE THE COMPLETION OF WORK WITHIN THE NORTHERN HALF OF THE PROJECT. SOME MODIFICATION OF THE TRAFFIC CONTROL MAY BE NECESSARY TO COMPLETE THE STORM DRAIN SYSTEMS.

- REFER TO THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS FOR TRAFFIC HANDLING AND ACCESS REQUIREMENTS WITHIN THE WORK AREA.
- ALL STAGE 1 TEMPORARY SIGNING, STRIPIING and PAVEMENT MARKING TO REMAIN IN PLACE FOR STAGE 2.
- COORDINATE ALL CONSTRUCTION ACTIVITIES THAT AFFECT DRIVEWAYS AND INTERSECTIONS WITH THE ENGINEER. INTERSECTIONS AND DRIVEWAYS ARE TO REMAIN OPEN AND ACCESSIBLE.
- THE LOCATION OF STAGE 2 CONSTRUCTION SIGNS SHOWN ON SHEET SC-1 ARE APPROXIMATE. THE EXACT LOCATION WILL BE DETERMINED BY THE ENGINEER.
- THE EXISTING RED FLASHING LIGHT WILL BE REPLACED WITH R1-1 SIGNS WITH FLASHING BEACONS. (SEE NOTE 11, STAGE 1)
- TEMPORARY CENTERLINE STRIPING FOR ALL STAGES SHALL BE DETAIL 22 PER A20A
- TEMPORARY EDGE LINE STRIPING FOR ALL STAGES SHALL BE DETAIL 27B PER A20B
- TEMPORARY LIMIT LINE STRIPING FOR ALL STAGES SHALL BE PER A24E
- IN EACH STAGE OF WORK, STREET LIGHTING SHALL BE INSTALLED AND OPERATIONAL, PRIOR TO THE REMOVAL OF EXISTING STREET LIGHTING AFFECTED BY THAT STAGE OF WORK. STREET LIGHTING SHALL BE PROVIDED AT ALL TIMES.
- INSTALL TEMPORARY R1-1 (STOP) SIGNS WITH 30"x30" PANELS ON 4"x4"x15" WOOD POSTS AT LOCATIONS IDENTIFIED. INSTALL A 12" FLASHING BEACON (PER MUTCD 2012, SECTION 4L.05) MOUNTED ON THE TOP OF EACH OF THESE SIGNS. EXISTING FLASHING BEACON SHALL REMAIN IN SERVICE UNTIL THE ABOVE TEMPORARY SIGNS WITH FLASHING BEACONS ARE IN SERVICE.
- AT THE COMPLETION OF STAGE 2, AND PRIOR TO STAGE 3, RE-POSITION TEMPORARY R1-1 'STOP' SIGN FROM STA 11+14.66-17'RT TO 11+14.66-37' RT

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	31	46

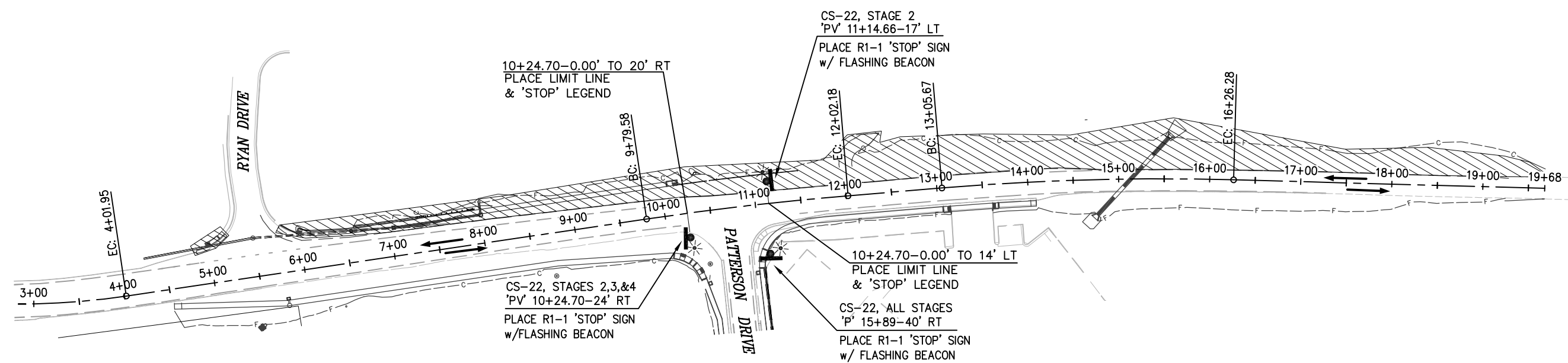
Dwight G. Anderson
REGISTERED CIVIL ENGINEER

5-24-13
PLANS APPROVAL DATE

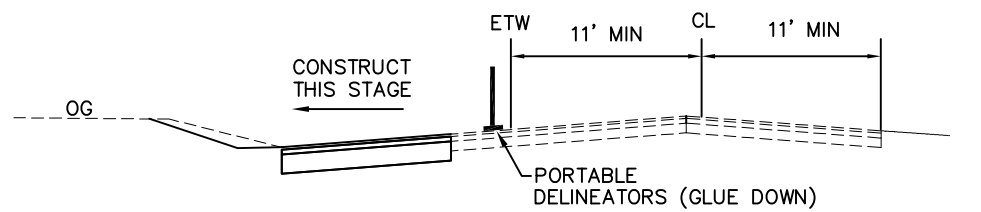
COUNTY OF EL DORADO
PLACERVILLE, CA. 95667

REGISTERED PROFESSIONAL ENGINEER
DWIGHT G. ANDERSON
No. 69999
License Expires 9-30-14
CIVIL
STATE OF CALIFORNIA

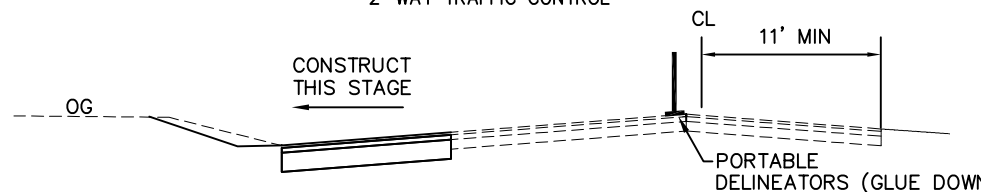
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PLAN - HWY49/PLEASANT VALLEY ROAD
SCALE: 1"=60'



STAGE 2 CONSTRUCTION
TYPICAL LANE CONFIGURATION
2-WAY TRAFFIC CONTROL



STAGE 2 CONSTRUCTION
TYPICAL LANE CONFIGURATION
REVERSING TRAFFIC CONTROL

LEGEND

	STAGE 2 WORK AREA
	TEMPORARY SIGN
	PORTABLE FLASHING BEACON

GENERAL STAGE CONSTRUCTION NOTE

THIS STAGE CONSTRUCTION PLAN IS MEANT TO SERVE AS A GUIDELINE IN ESTABLISHING TRAFFIC CONTROL AND CONSTRUCTION STAGING. SOME MODIFICATIONS OR ALTERATIONS MAY BE NEEDED TO ACCOMMODATE FIELD CONDITIONS AND TRAFFIC MOVEMENTS. THE CONTRACTOR SHALL OBTAIN PRIOR ENGINEERING APPROVAL IF ANY CHANGES FROM THESE PLANS ARE PROPOSED

STAGE 2 CONSTRUCTION
SC-2
SCALE: 1"=60'

DEPARTMENT OF TRANSPORTATION
EL DORADO COUNTY

PROJECT ENGINEER

CALCULATED/DESIGNED BY: _____
CHECKED BY: _____

REVISIONS:

NO.	DATE	BY	REVISION

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES

3
2
1
0

Drawing Name: C:\Civil 3D Projects\73320 Patterson at Hwy 49\Drawings\Sheets\SC-2.dwg, Layout: Tab: SC-2, Last Saved: Fri, 24 May 2013 4:36pm, BRichards

GENERAL STAGE CONSTRUCTION NOTE

THIS STAGE CONSTRUCTION PLAN IS MEANT TO SERVE AS A GUIDELINE IN ESTABLISHING TRAFFIC CONTROL AND CONSTRUCTION STAGING. SOME MODIFICATIONS OR ALTERATIONS MAY BE NEEDED TO ACCOMMODATE FIELD CONDITIONS AND TRAFFIC MOVEMENTS. THE CONTRACTOR SHALL OBTAIN PRIOR ENGINEERING APPROVAL IF ANY CHANGES FROM THESE PLANS ARE PROPOSED

SEE SHEET SC-1 FOR LEGEND AND SIGN PLACEMENT
 STAGE 3 IS INTENDED TO FACILITATE THE COMPLETION OF WORK ON THE EAST SIDE OF PATTERSON DRIVE AND THE SOUTH SIDE OF HWY 49. (FROM PATTERSON EAST TO THE END OF THE PROJECT. SOME MODIFICATION OF THE TRAFFIC CONTROL MAY BE NECESSARY TO COMPLETE THE STORM DRAIN SYSTEMS.

STAGE 3 NOTES:

- REFER TO THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS FOR TRAFFIC HANDLING AND ACCESS REQUIREMENTS WITHIN THE WORK AREA.
- REMOVE STAGE 2 TEMPORARY STRIPING AND PAVEMENT MARKINGS FROM ROADWAY AND PLACE STAGE 3 STRIPING AND PAVEMENT MARKING AS SHOWN. THIS TEMPORARY STRIPING ON PLEASANT VALLEY/HWY49 WILL REMAIN IN PLACE FOR STAGE 4. STAGE 3 STRIPING AND PAVEMENT MARKINGS ON PATTERSON DRIVE WILL BE REMOVED AT THE COMPLETION OF WORK AND RE-STRIPED FOR STAGE 4 CONSTRUCTION. ALL STRIPING SHALL PROVIDE 11 FOOT WIDE LANES. COORDINATE ALL CONSTRUCTION ACTIVITIES THAT AFFECT DRIVEWAYS AND INTERSECTIONS WITH THE ENGINEER. DRIVEWAY CONSTRUCTION FOR TOWERMART SHALL BE COORDINATED WITH THE OWNER TO ALLOW TEMPORARY CLOSURE OF ONE DRIVEWAY AT A TIME.
- THE LOCATION OF STAGE 3 CONSTRUCTION SIGNS SHOWN ON SHEET SC-1 ARE APPROXIMATE. THE EXACT LOCATION WILL BE DETERMINED BY THE ENGINEER.
- RE-POSITION R1-1 'STOP' SIGN FROM STA 11+14.66-17' LT TO 11+14.66-37' LT. REMAINING R1-1 SIGNS FROM STAGE 2 TO REMAIN IN PLACE FOR STAGE 3 WORK. IN EACH STAGE OF WORK, STREET LIGHTING SHALL BE INSTALLED AND OPERATIONAL, PRIOR TO THE REMOVAL OF EXISTING STREET LIGHTING AFFECTED BY THAT STAGE OF WORK. STREET LIGHTING SHALL BE PROVIDED AT ALL TIMES.

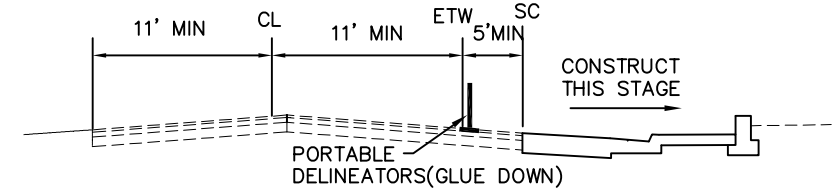
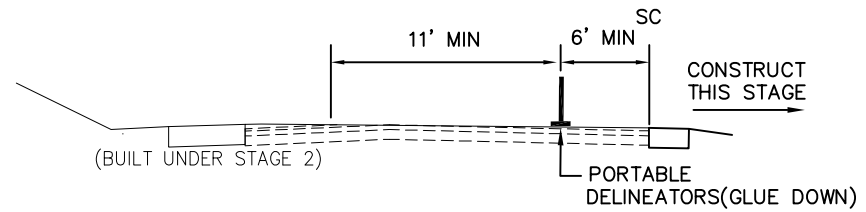
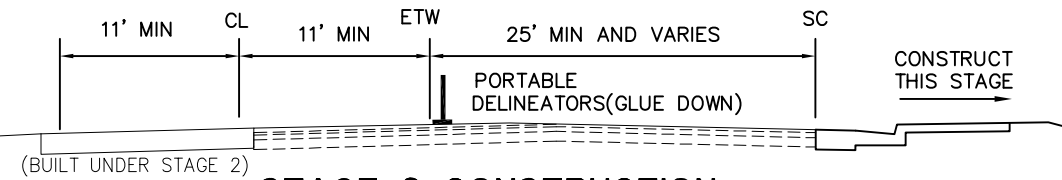
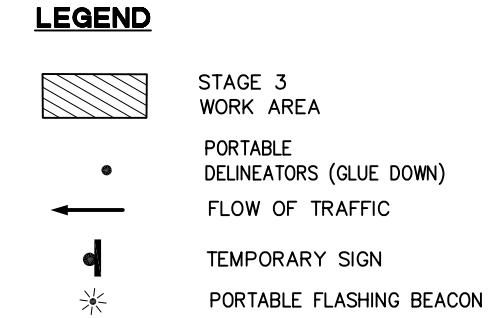
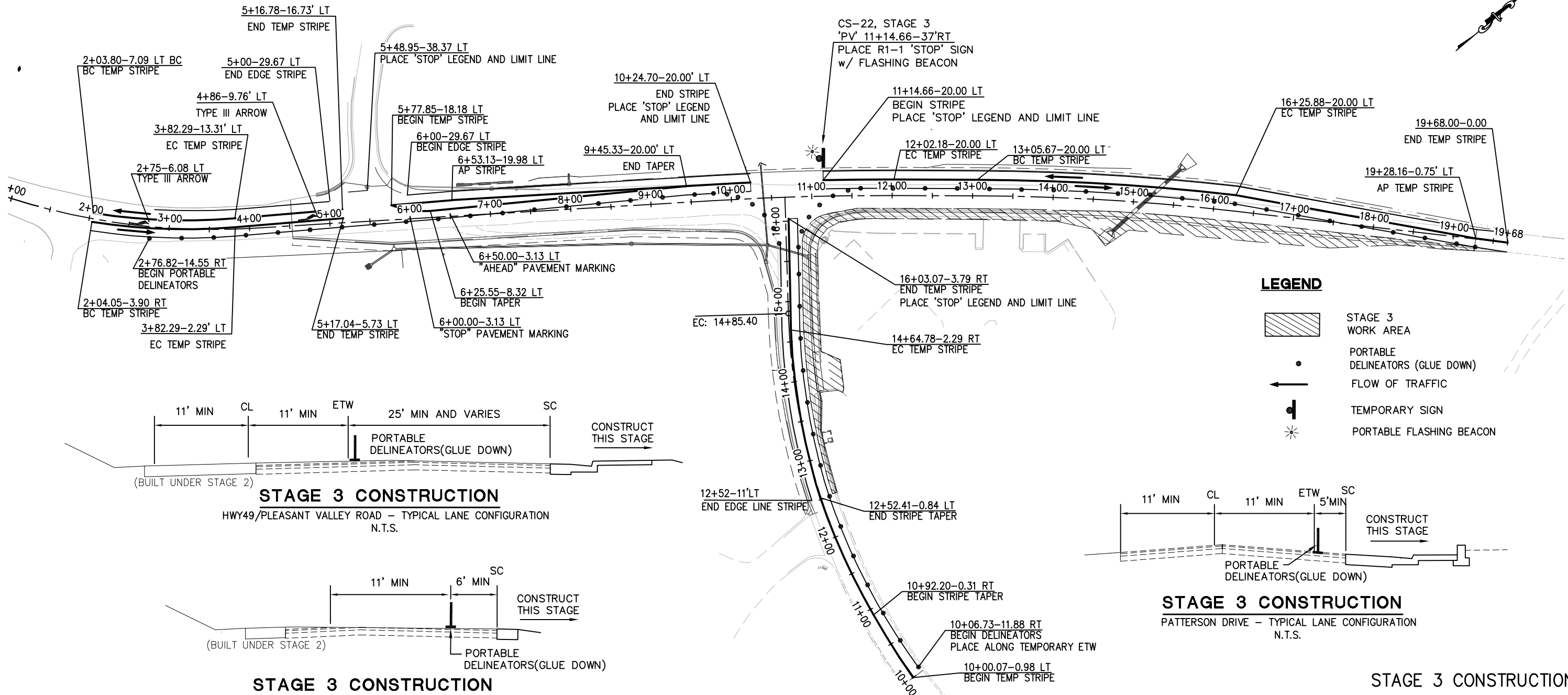
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	32	46

Dwight D. Anderson
 REGISTERED CIVIL ENGINEER
 No. 69999
 License Expires 9-30-14
 CIVIL
 STATE OF CALIFORNIA

5-24-13
 PLANS APPROVAL DATE

COUNTY OF EL DORADO
 PLACERVILLE, CA. 95667

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PLAN - HWY49/PLEASANT VALLEY ROAD
 SCALE: 1"=60'

STAGE 3 CONSTRUCTION
 SC-3
 SCALE: 1"=60'

DEPARTMENT OF TRANSPORTATION
 EL DORADO COUNTY

PROJECT ENGINEER
 CALCULATED/DESIGNED BY
 CHECKED BY
 DATE
 REVISED BY
 DATE
 REVISED DATE

FOR REDUCED PLANS
 ORIGINAL SCALE IS IN INCHES

3
 2
 1
 0

Drawing Name: c:\Civil 3D\Projects\73320 Patterson at Hwy 49\Drawings\Sheets\SC-3.dwg, Layout: Tab: SC-3, Last Saved: Fri, 24 May 2013 4:39pm, BRichards

GENERAL STAGE CONSTRUCTION NOTE

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STAGE 4 NOTES:

SEE SHEET SC-1 FOR LEGEND AND SIGN PLACEMENT. STAGE 4 IS INTENDED TO FACILITATE THE COMPLETION OF WORK ON THE WEST SIDE OF PATTERSON DRIVE AND THE SOUTH SIDE OF HWY 49. (FROM PATTERSON WEST TO THE BEGINNING OF THE PROJECT. SOME MODIFICATION OF THE TRAFFIC CONTROL MAY BE NECESSARY TO COMPLETE THE STORM DRAIN SYSTEMS.

1. REFER TO THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS FOR TRAFFIC HANDLING & ACCESS REQUIREMENTS WITHIN THE WORK AREA.
2. TEMPORARY STRIPING AND PAVEMENT MARKING FROM STAGE 3 CONSTRUCTION WILL REMAIN ON HWY49/PLEASANT VALLEY ROAD. REMOVE TEMPORARY STAGE 3 STRIPING AND PAVEMENT MARKINGS ON PATTERSON DRIVE AND RE-STRIPE FOR STAGE 4 AS SHOWN. ALL STRIPING SHALL PROVIDE 11 FOOT WIDE LANES.
3. COORDINATE ALL CONSTRUCTION ACTIVITIES THAT AFFECT THE HWY49/PATTERSON INTERSECTION WITH THE ENGINEER.
4. THE LOCATION OF STAGE 4 CONSTRUCTION SIGNS SHOWN ON SHEET SC-1 ARE APPROXIMATE. THE EXACT LOCATION WILL BE DETERMINED BY THE ENGINEER.
5. STAGE 2 AND STAGE 3 TEMPORARY R1-1 'STOP' SIGNS WITH FLASHING BEACONS TO REMAIN IN POSITION. RE-POSITION R1-1 SIGN FROM STA 10+24.7-24' RT TO STA 10+02-50' RT AS SHOWN, PRIOR TO FINAL OVERLAY.
6. IN EACH STAGE OF WORK, STREET LIGHTING SHALL BE INSTALLED AND OPERATIONAL, PRIOR TO THE REMOVAL OF EXISTING STREET LIGHTING AFFECTED BY THAT STAGE OF WORK. STREET LIGHTING SHALL BE PROVIDED AT ALL TIMES.
7. PLACE FINAL 0.20' HMA (TYPE A) OVERLAY TO PROVIDE A CLEAN SURFACE FOR FINAL PAVEMENT DELINEATION.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	33	46

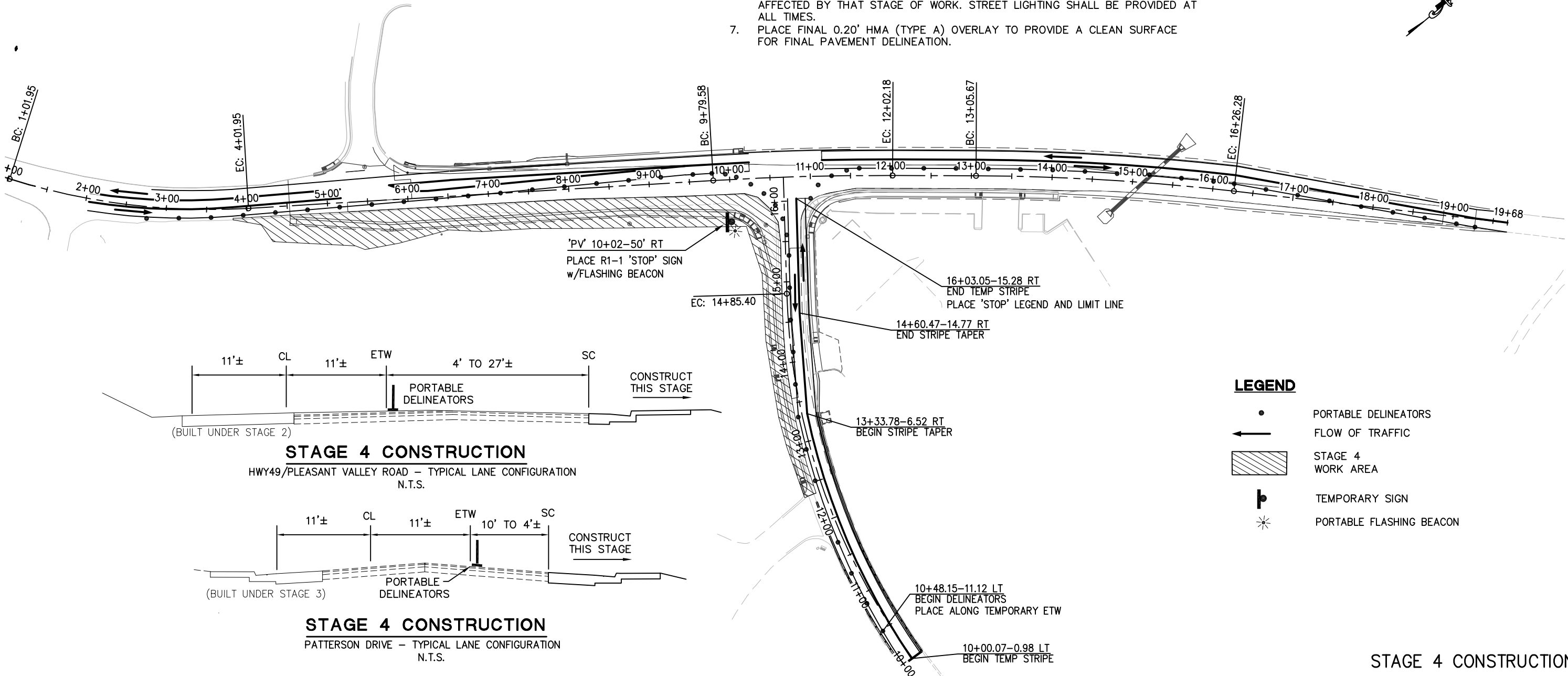
Dwight G. Anderson
REGISTERED CIVIL ENGINEER

5-24-13
PLANS APPROVAL DATE

COUNTY OF EL DORADO
PLACERVILLE, CA. 95667

REGISTERED PROFESSIONAL ENGINEER
Dwight G. Anderson
No. 69999
License Expires 9-30-14
CIVIL
STATE OF CALIFORNIA

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LEGEND

- PORTABLE DELINEATORS
- ← FLOW OF TRAFFIC
- [Hatched Box] STAGE 4 WORK AREA
- [Sign Symbol] TEMPORARY SIGN
- [Star Symbol] PORTABLE FLASHING BEACON

PLAN - HWY49/PLEASANT VALLEY ROAD

SCALE: 1"=60'

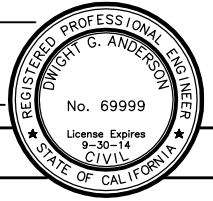
STAGE 4 CONSTRUCTION
SC-4
SCALE: 1"=60'

DEPARTMENT OF TRANSPORTATION
 EL DORADO COUNTY
 PROJECT ENGINEER
 CALCULATED/DESIGNED BY
 CHECKED BY
 REVISIONS: DATE REVISIONS
 FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES
 3
2
1
0

Drawing Name: C:\Civil 3D Projects\73320 Patterson at Hwy 49\Drawings\Sheets\SC-4.dwg, Layout: Tab: SC-4, Last Saved: Fri, 24 May 2013 4:42pm, BRichards

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	34	46

Dwight G. Anderson
REGISTERED CIVIL ENGINEER



5-24-13
PLANS APPROVAL DATE

COUNTY OF EL DORADO
PLACERVILLE, CA. 95667

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STATIONARY MOUNTED CONSTRUCTION AREA SIGNS						
SIGN NO.	CONSTRUCTION STAGE	SIGN	CODE	PANEL SIZE INCHES	POST SIZE & LENGTH	INSTALL EA.
CS-1	ALL	ROAD WORK AHEAD	W20-1	48 x 48	6x6x12	1
CS-2	ALL	ROAD WORK AHEAD	W20-1	36 x 36	4x4x12	1
CS-3	ALL	ROAD WORK AHEAD	W20-1	36 x 36	4x4x12	1
CS-4	ALL	ROAD WORK AHEAD	W20-1	36 x 36	4x4x12	1
CS-5	ALL	ROAD WORK AHEAD	W20-1	36 x 36	4x4x12	1
CS-6	ALL	ROAD WORK AHEAD	W20-1	36 x 36	4x4x12	1
CS-7	ALL	ROAD WORK AHEAD	W20-1	48 x 48	6x6x12	1
CS-8	ALL	END ROAD WORK	G20-2	36 x 18	4x4x12	1
CS-9	ALL	END ROAD WORK	G20-2	36 x 18	4x4x12	1
CS-10	ALL	END ROAD WORK	G20-2	36 x 18	4x4x12	1
CS-11	ALL	END ROAD WORK	G20-2	36 x 18	4x4x12	1
CS-12	ALL	END ROAD WORK	G20-2	36 x 18	4x4x12	1
CS-13	ALL	END ROAD WORK	G20-2	36 x 18	4x4x12	1
CS-14	ALL	END ROAD WORK	G20-2	36 x 18	4x4x12	1
CS-15	2	SHOULDER CLOSED	C30A	48 x 48	6x6x12	1
CS-16	2	RIGHT SHOULDER CLOSED AHEAD	W21-5B	48 x 48	6x6x12	1
CS-18	3&4	RIGHT SHOULDER CLOSED AHEAD	W21-5B	36 x 36	4x4x12	1
CS-19	3&4	SHOULDER CLOSED	C30A	36 x 36	4x4x12	1
CS-20(CA)	3&4	LANE SHIFT	W1-4L	48 x 48	6x6x12	1
CS-21	3&4	LANE SHIFT	W1-4R	48 x 48	6x6x12	1
CS-22	ALL	'STOP' SIGN	R1-1	30 x 30	4x4x15	1

TEMPORARY STRIPING	
	L.F.
STAGE 1	1606
STAGE 2	1402
STAGE 3	4497
STAGE 4	1206
TOTAL	8711

TEMPORARY PAVEMENT MARKING		
"STOP" LEGEND, LIMIT LINE & ARROWS		
	STA/OFFSET	(S.F.)
STAGE 1	PV 10+24.70-0.00	34
	PV 11+14.66-0.00	34
	P 16+03.07-0.00	34
STAGE 2		
STAGE 3	PV 5+48.95-38.37' LT	34
	PV 10+24.70-20.00' LT	34
	PV 11+14.66-20.00' LT	34
	P 16+03.07-3.79' RT	34
	PV 6+50.0-3.13 LT	31
	PV 6+00.00-8.32' LT	22
	PV 4+86-9.76' LT	42
PV 2+75-6.08' LT	42	
STAGE 4	P 16+03.05-15.28' RT	34
TOTAL		409

DEPARTMENT OF TRANSPORTATION
EL DORADO COUNTY
FOR REDUCED PLANS
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0 1 2 3
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DATE
REVISED DATE

STAGE CONSTRUCTION SIGNS
SC-5


Drawing Name: C:\Civil 3D Projects\73320 Patterson at Hwy 49\Drawings\Sheets\SC-5.dwg, Layout: Tab: SC-5, Last Saved: Fri, 19 Jul 2013 - 2:04pm, BRichards

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	35	46

Dwight D. Anderson
REGISTERED CIVIL ENGINEER

5-24-13
PLANS APPROVAL DATE

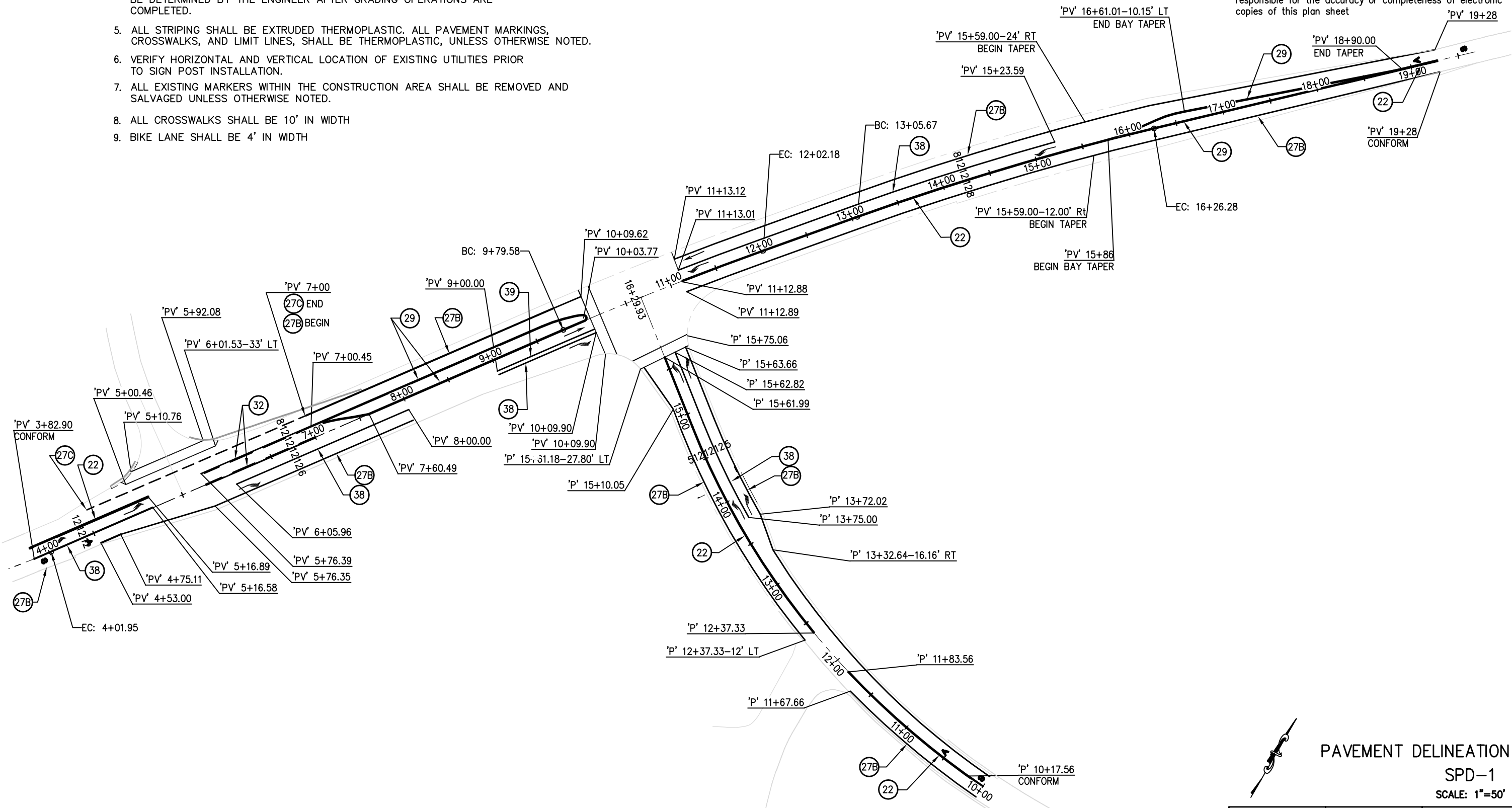
COUNTY OF EL DORADO
PLACERVILLE, CA. 95667



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SIGNING AND STRIPING NOTES

1. LOCATION OF SIGNS IS APPROXIMATE, EXACT LOCATION AND POSITION OF SIGNS, DELINEATORS 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 A20-A, A20-B, AND A20-D, DATED 2010.
4. SIGN POST LENGTHS GIVEN ARE APPROXIMATE. ACTUAL LENGTHS TO BE DETERMINED BY THE ENGINEER AFTER GRADING OPERATIONS ARE COMPLETED.
5. ALL STRIPING SHALL BE EXTRUDED THERMOPLASTIC. ALL PAVEMENT MARKINGS, CROSSWALKS, AND LIMIT LINES, SHALL BE THERMOPLASTIC, UNLESS OTHERWISE NOTED.
6. VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES PRIOR TO SIGN POST INSTALLATION.
7. ALL EXISTING MARKERS WITHIN THE CONSTRUCTION AREA SHALL BE REMOVED AND SALVAGED UNLESS OTHERWISE NOTED.
8. ALL CROSSWALKS SHALL BE 10' IN WIDTH
9. BIKE LANE SHALL BE 4' IN WIDTH



DATE	REVISION	BY	DATE	REVISION	BY

CALCULATED/DESIGNED	BY	CHECKED	BY

PROJECT ENGINEER

DEPARTMENT OF TRANSPORTATION
EL DORADO COUNTY

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES

PAVEMENT DELINEATION
SPD-1
SCALE: 1"=50'

PW 09-30425	CU 03-0303	EA 03-3E980
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Drawing Name: C:\Civil 3D Projects\73320 Patterson at Hwy 49\Drawings\Sheets\SP-1.dwg, Layout Tab: SPD-1, Last Saved: Fri, 24 May 2013 - 5:30pm, BRichards

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	36	46

Dwight G. Anderson
REGISTERED CIVIL ENGINEER

5-24-13
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COUNTY OF EL DORADO
PLACERVILLE, CA. 95667



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THERMOPLASTIC PAVEMENT MARKINGS				
SYMBOL	DESCRIPTION	STANDARD PLAN	COUNT	TOTAL AREA
S	"SIGNAL" LEGEND	A24D	3	96 SF
A	"AHEAD" LEGEND	A24D	3	96 SF
→	TYPE I 24' ARROW	A24A	3	93 SF
↙ LT	TYPE III (L) ARROW	A24B	5	210 SF
↘ RT	TYPE III (R) ARROW	A24B	3	126 SF
B L →	BIKE LANE LEGENDS	A24C & A24D	1	14.5 SF
STOP	"STOP" LEGEND	A24D	1	22 SF
B D	BICYCLE LOOP DETECTOR	A24C	1	2 SF

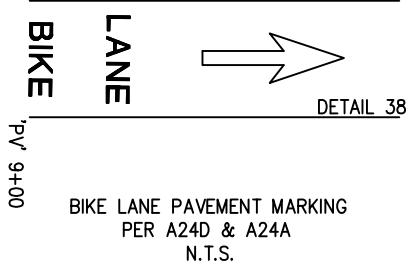
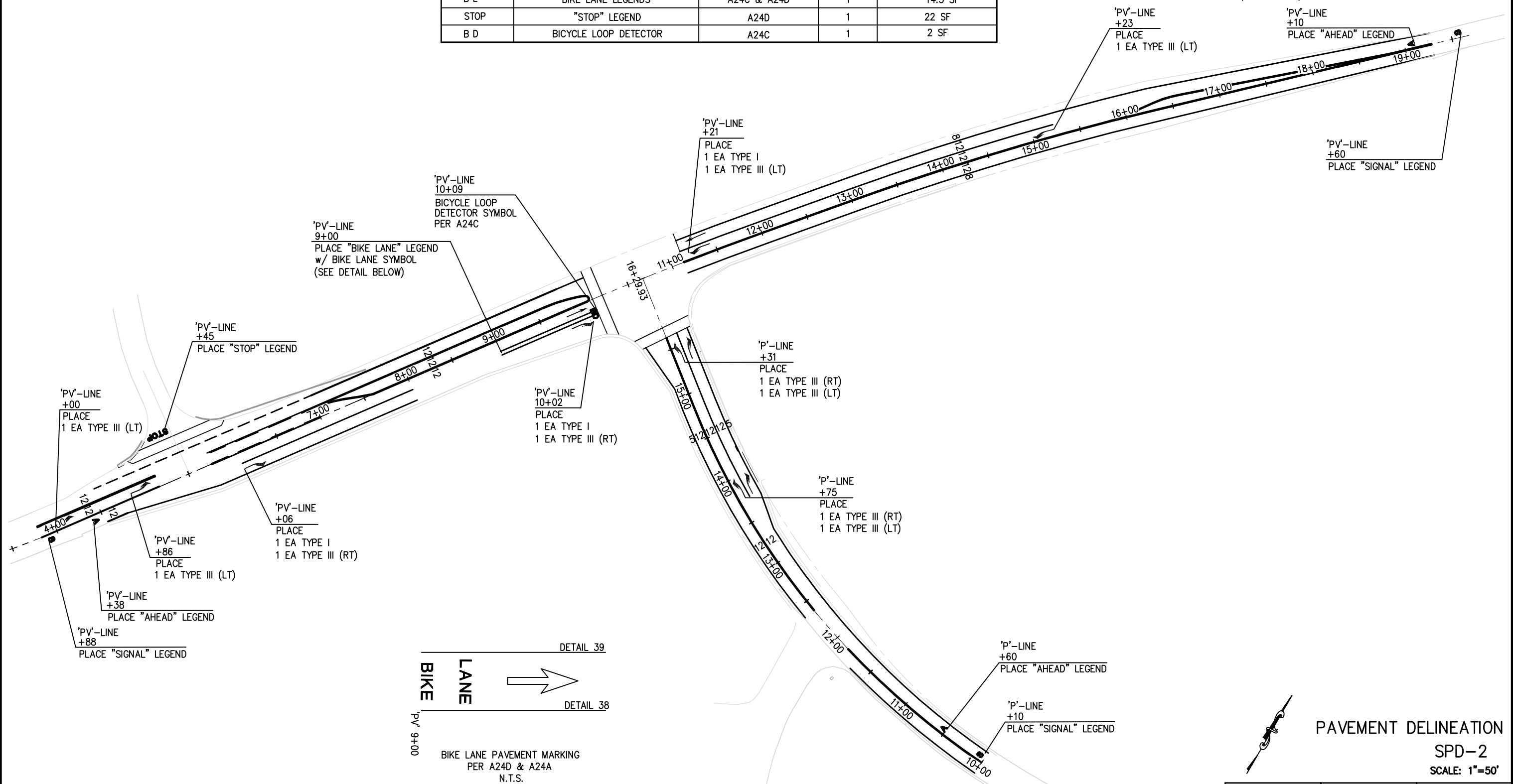
REVISION	BY	DATE

CALCULATED/DESIGNED	BY
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PROJECT ENGINEER

DEPARTMENT OF TRANSPORTATION
EL DORADO COUNTY

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES



PAVEMENT DELINEATION
SPD-2
SCALE: 1"=50'



Drawing Name: C:\Civil 3D Projects\73320 Patterson at Hwy 49\Drawings\Sheets\SP-1.dwg, Layout Tab: SPD-2, Last Saved: Fri, 24 May 2013 - 5:30pm, BRichards

GENERAL NOTES

1. ALL SIGN CODES SHOWN ARE FEDERAL SIGN CODES UNLESS OTHERWISE DESIGNATED AS CALIFORNIA SIGN CODES.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	37	46

Dwight G. Anderson
REGISTERED CIVIL ENGINEER

5-24-13
PLANS APPROVAL DATE

COUNTY OF EL DORADO
PLACERVILLE, CA. 95667

REGISTERED PROFESSIONAL ENGINEER
DWIGHT G. ANDERSON
No. 69999
License Expires 9-30-14
CIVIL
STATE OF CALIFORNIA

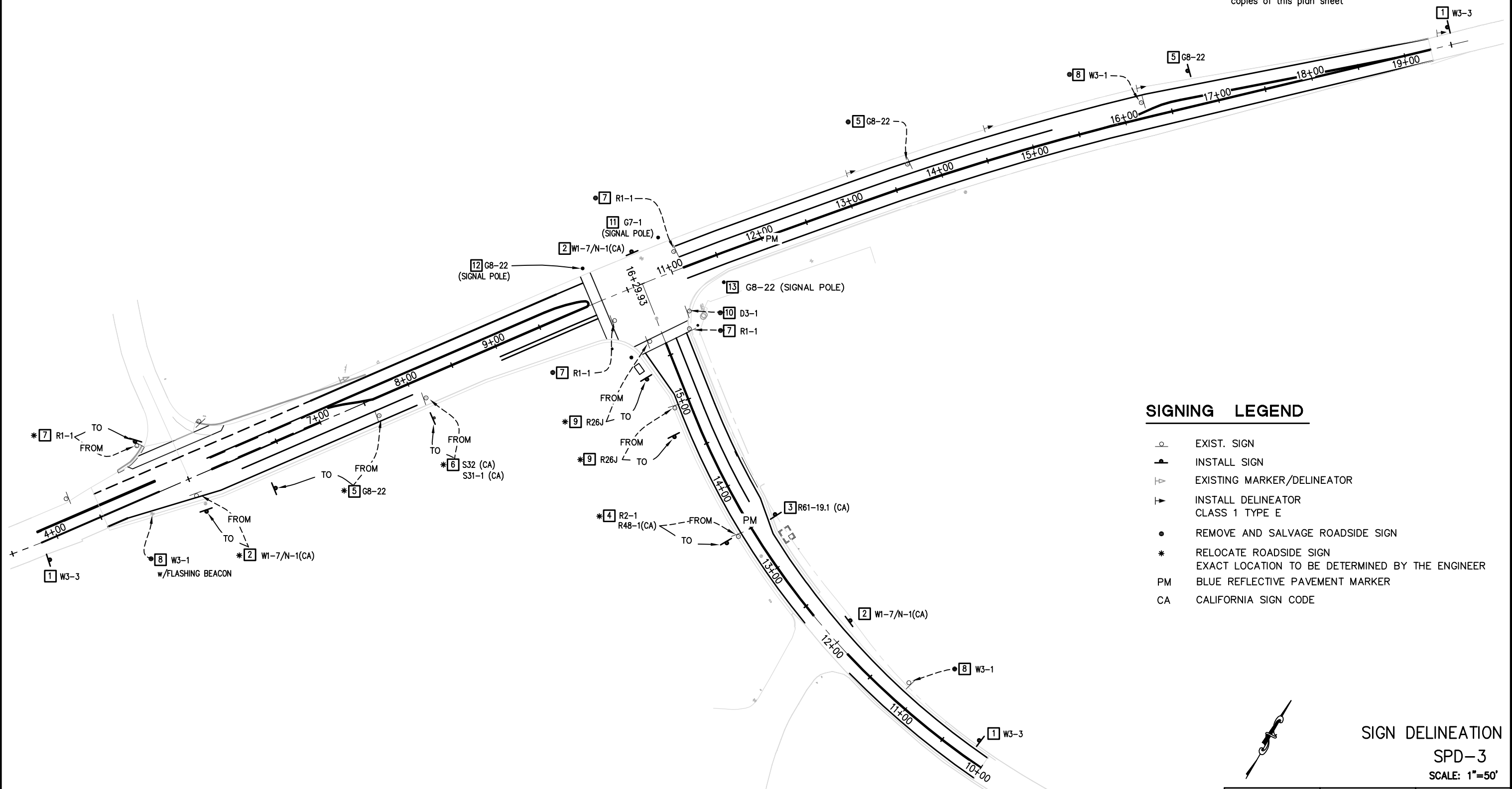
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DATE	BY	REVISION

DATE	BY	REVISION

DATE	BY	REVISION

DATE	BY	REVISION



SIGNING LEGEND

- EXIST. SIGN
- INSTALL SIGN
- EXISTING MARKER/DELINEATOR
- INSTALL DELINEATOR CLASS 1 TYPE E
- REMOVE AND SALVAGE ROADSIDE SIGN
- RELOCATE ROADSIDE SIGN EXACT LOCATION TO BE DETERMINED BY THE ENGINEER
- PM BLUE REFLECTIVE PAVEMENT MARKER
- CA CALIFORNIA SIGN CODE

SIGN DELINEATION
SPD-3
SCALE: 1"=50'

PW 09-30425	CU 03-0303	EA 03-3E980
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Drawing Name: C:\Civil 3D Projects\73320 Patterson at Hwy 49\Drawings\Sheets\SP-1.dwg, Layout Tab: SPD-3, Last Saved: Fri, 24 May 2013 - 5:30pm, BRichards

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	38	46

Dwight G. Anderson
REGISTERED CIVIL ENGINEER



5-24-13
PLANS APPROVAL DATE

COUNTY OF EL DORADO
PLACERVILLE, CA. 95667

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DEPARTMENT OF TRANSPORTATION
 EL DORADO COUNTY
 PROJECT ENGINEER
 CALCULATED/DESIGNED BY
 CHECKED BY
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 DATE
 REVISED BY
 DATE



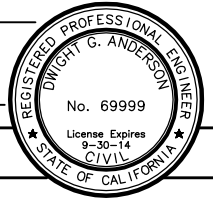
THERMOPLASTIC TRAFFIC STRIPE									
LOCATION	DETAIL NO.	DESCRIPTION	12" WIDE	8" WIDE	6" WIDE	4" WIDE		REFLECTIVE MARKERS TYPE/QNT.	
			WHITE	WHITE	WHITE	WHITE	YELLOW		
			FT	FT	FT	FT	FT		
'P' 10+00 - 11+83.56 'PV' 4+53.00 - 5+16.89	21 - A20A	NO PASSING 2 DIRECTION						366 128	
'PV' 11+12.88 - 15+77.40 'PV' 18+90 - 19+28 'PV' 4+53.00 - 5+16.89 'P' 12+37.33 - 15+62	22 - A20A	NO PASSING 2 DIRECTION						930 76 128 650	D - 75
'PV' 4+53.00 - 8+00 R 'PV' 7+00 - 10+09.62 L 'PV' 11+13.12 - 19+28 L 'PV' 11+12.89 - 19+28 R 'P' 10+00 - 15+63.66 R 'P' 10+00 - 11+67.66 L 'P' 12+37.33 - 15+59.92 L	27B - A20B	EDGE LINE						351 310 815 815 564 167 327	
'PV' 4+50.00 - 7+00.00 L	27C - A20B	DASH EDGE LINE						250	
'P' 13+75 - 15+62.82 'PV' 4+53.00 - 5+16.58 'PV' 6+05.96 - 10+09.90 'PV' 11+13.01 - 15+23.59 'PV' 9+00 - 10+09.90	38 - A20D	CHANNELIZING		188 64 404 411 109					G - 49
'PV' 5+76.39 - 7+60.49	32 - A20B	TWO WAY TURN LANE						736	D - 39
'PV' 7+00.45 - 10+09.90 'PV' 15+77.40 - 18+90	29 - A20B	MEDIAN ISLANDS						1238 1250	D - 104
'PV' 5+10 - 5+92 L 'PV' 10+09.90 R - 10+09.62 L 'P' 15+59.92 L - 15+63.66 R	RSP - A24F	BASIC CROSSWALKS	198 149 119						
'PV' 11+12.88	A24E	LIMIT LINE	33						
'PV' 9+00 - 10+09.90	39 - A20D	BIKE LANE LINE			109				
TOTAL			499	1176	109	3349	5502		

PAVEMENT DELINEATION QUANTITIES
 SPD-4
 SCALE: 1"=50'

Drawing Name: C:\Civil 3D Projects\3320 Patterson at Hwy 49\Drawings\Sheets\SP-1.dwg, Layout Tab: SPD-4, Last Saved: Fri, 24 May 2013 - 5:30pm, BRichards

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	39	46

Dwight G. Anderson
 REGISTERED CIVIL ENGINEER



5-24-13
 PLANS APPROVAL DATE

COUNTY OF EL DORADO
 PLACERVILLE, CA. 95667

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PROJECT ENGINEER	BY	DATE	REVISED	BY	DATE	REVISED	BY	DATE
CALCULATED/DESIGNED	BY	DATE	REVISED	BY	DATE	REVISED	BY	DATE
CHECKED	BY	DATE	REVISED	BY	DATE	REVISED	BY	DATE

CLASS 1 TYPE E DELINEATORS	STATION	QNT.
▶ E	PV 13+06 LT	1
	PV 14+66 LT	1
	PV 16+26 LT	1
	PV 19+46 LT	1
	TOTAL	4

BLUE REFLECTIVE PAVEMENT MARKERS	STATION	QNT.
PM	'PV' 12+02-0.7' RT	1
PM	'P' 13+67-0.7' RT	1
	TOTAL	2

SIGN NO.	SIGN	CALIFORNIA MUTCD CODE	PANEL SIZE (INCHES)	POST SIZE & LENGTH		ROADSIDE SIGNS				EXISTING LOCATION	PROPOSED LOCATION (APPROXIMATELY)	REMARKS
				4" X 4"	4" X 6"	INSTALL (STRAP & SADDLE) EA	ONE POST EA	RELOCATE EA	REMOVE EA			
1	SIGNAL AHEAD SYMBOL	W3-3	48 X 48		16		1				'PV' 3+90 RT 'PV' 19+60 LT 'P' 10+15 RT	
2	TWO DIRECTION - LARGE ARROW	W1-7 N-1(CA)	48 X 24 18 X 18		15		1	1		'PV' 5+50-19 RT	'PV' 5+54-38' RT 'PV' 10+65 LT 'P' 12+20 RT	
3	INTERSECTION LANE CONTROL	R61-19.1(CA)	30 X 24	15			1				'P' 13+50 RT	
4	SPEED ADVISORY	R2-1 R48-1 (CA)	30 X 24		15			1		'P' 13+50-16' LT	'P' 13+50-30' LT	
5	STREET NAME	G8-22 (CA)	54 X 30		15		1		1	'PV' 7+60-18.5' RT 'PV' 13+70-21.8' LT	'PV' 6+75-40.2' RT 'PV' 16+75-31' LT	PATTERSON DRIVE → ← PATTERSON DRIVE
6	ADOPT A HWY	S32 (CA)						1		'PV' 8+11-20.7' RT	'PV' 8+11-43' RT	
7	'STOP'	R1-1						1	1	'PV' 8+11-20.7' LT 'PV' 10+24-24.4' RT 'PV' 10+95-61.5' RT 'PV' 11+10-18.8' LT	'P' 8+11-43' LT	
8	'STOP AHEAD'	W3-1						1	1	'P' 11+15-23' RT 'PV' 16+20-16' LT 'PV' 5+01-17' RT		
9	'NO PARKING'	R26J					1	1		'P' 15+72-15' LT 'P' 14+96-16' LT	'P' 15+35-38' LT 'P' 14+70-28' LT	
10	STREET NAME	D3-1							1	'PV' 11+02-44.4' RT		
11	STREET NAME	G7-1	54 X 30									PLEASANT VALLEY ROAD INSTALL ON SIGNAL STANDARD
12	STREET NAME	G8-22	54 X 30									← PATTERSON DRIVE INSTALL ON SIGNAL STANDARD
13	STREET NAME	G8-22	54 X 30									PATTERSON DRIVE → INSTALL ON SIGNAL STANDARD
TOTAL							7	7	8			

SIGN QUANTITIES
 SPD-5
 SCALE: 1"=50'

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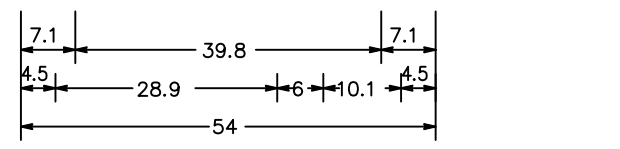
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	40	46

Dwight D. Anderson
REGISTERED CIVIL ENGINEER

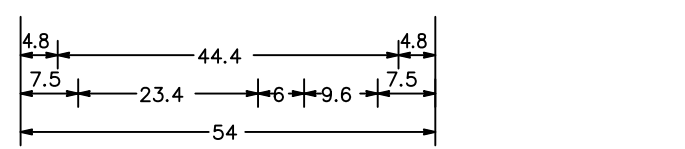
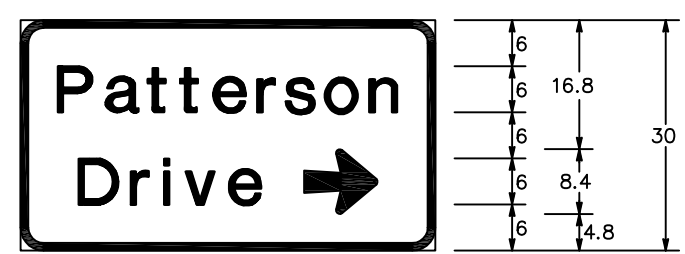
5-24-13
PLANS APPROVAL DATE

COUNTY OF EL DORADO
PLACERVILLE, CA. 95667

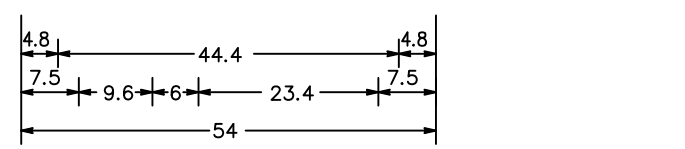
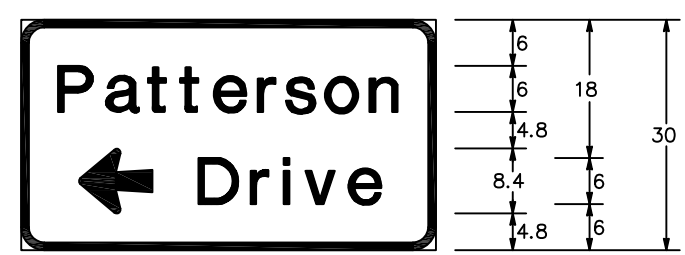
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G7-1<CA> 11
1.0" BORDER WITH 3" RADIUS
"Pleasant" E Mod; "Valley Rd" E Mod



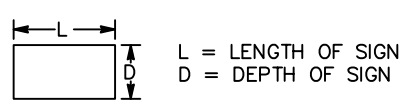
G8-22<CA> 13
1.0" BORDER WITH 3" RADIUS
"Patterson" E Mod; "Drive" E Mod
ARROW - 6"UC-1 LINE - 9.6" 0°



G8-22<CA> 5 12
1.0" BORDER WITH 3" RADIUS
"Patterson" E Mod; "Drive" E Mod
ARROW - 6"UC-1 LINE - 9.6" 180°

ROADSIDE SIGN PANEL QUANTITIES

SIGN CODE	SIGN MESSAGE/DESCRIPTION	SIGN SIZE L x D (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"	0.080"	
									SQFT	SQFT		
R3-4	NO U-TURN (Symbol)	36 x 36	9.00	2	WHITE	III	BLACK RED	III	X	18.00		
R9-3a	NO PEDESTRIANS (Symbol)	24 x 24	4.00	2	WHITE	III	BLACK RED	III	X	8.00		
R9-3bR	USE CROSSWALK w/ RIGHT ARROW	24 x 16	2.67	1	WHITE	III	BLACK		X	2.67		
R9-3bL	USE CROSSWALK w/ LEFT ARROW	24 x 16	2.67	1	WHITE	III	BLACK		X	2.67		
R61-19.1(CA)	INTERSECTION LANE CONTROL	30 x 24	5.00	1	WHITE	III	BLACK		X	5.00		
R73-3(CA)	INTERSECTION LANE CONTROL	36 x 36	9.00	2	WHITE	III	BLACK		X	18.00		
W1-7	TWO-DIRECTIONAL ARROW (Symbol)	48 x 24	8.00	2	YELLOW	IX	BLACK		X		16.00	
W3-3	SIGNAL AHEAD (Symbol)	48 x 48	16.00	3	YELLOW	IX	BLACK RED, GREEN	IX	X		48.00	
N-1(CA)	YELLOW OBJECT MARKER	18 x 18	2.25	2	YELLOW	III			X	4.50		
G7-1(CA)	Pleasant Valley Rd	54 x 30	11.25	1	GREEN	IV	WHITE	IX	X		11.25	SIGN 12
G8-22(CA)	Patterson Drive →	54 x 30	11.25	1	GREEN	IV	WHITE	IX	X		11.25	SIGN 14
G8-22(CA)	Patterson Drive ←	54 x 30	11.25	2	GREEN	IV	WHITE	IX	X		22.50	SIGNS 5 AND 13
TOTAL										58.84	109.00	



NOTE: ALL SIGN PANEL DIMENSIONS ARE IN INCHES.

SIGN DETAILS AND QUANTITIES

SPD-6

DEPARTMENT OF TRANSPORTATION
EL DORADO COUNTY

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES

0 1 2 3

PROJECT ENGINEER

CALCULATED/DESIGNED BY

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REVISIONS

NO.	DATE	BY	REVISION

Drawing Name: C:\Civil 3D Projects\73320 Patterson at Hwy 49\Drawings\Sheets\SPD-6.dwg, Layout Tab: SPD-6, Last Saved: Fri, 31 May 2013 - 8:21am, BRichards

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	41	46

Dwight D. Anderson
REGISTERED CIVIL ENGINEER
No. 69999
License Expires 9-30-14
CIVIL
STATE OF CALIFORNIA

5-24-13
PLANS APPROVAL DATE

COUNTY OF EL DORADO
PLACERVILLE, CA. 95667

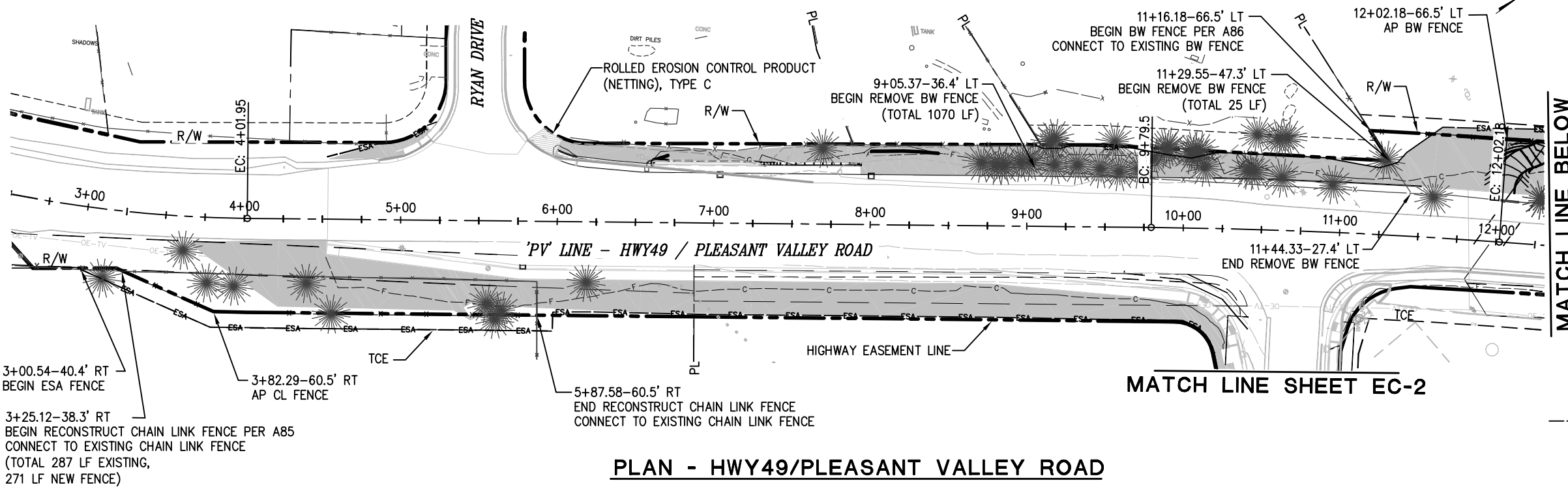
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NOTE

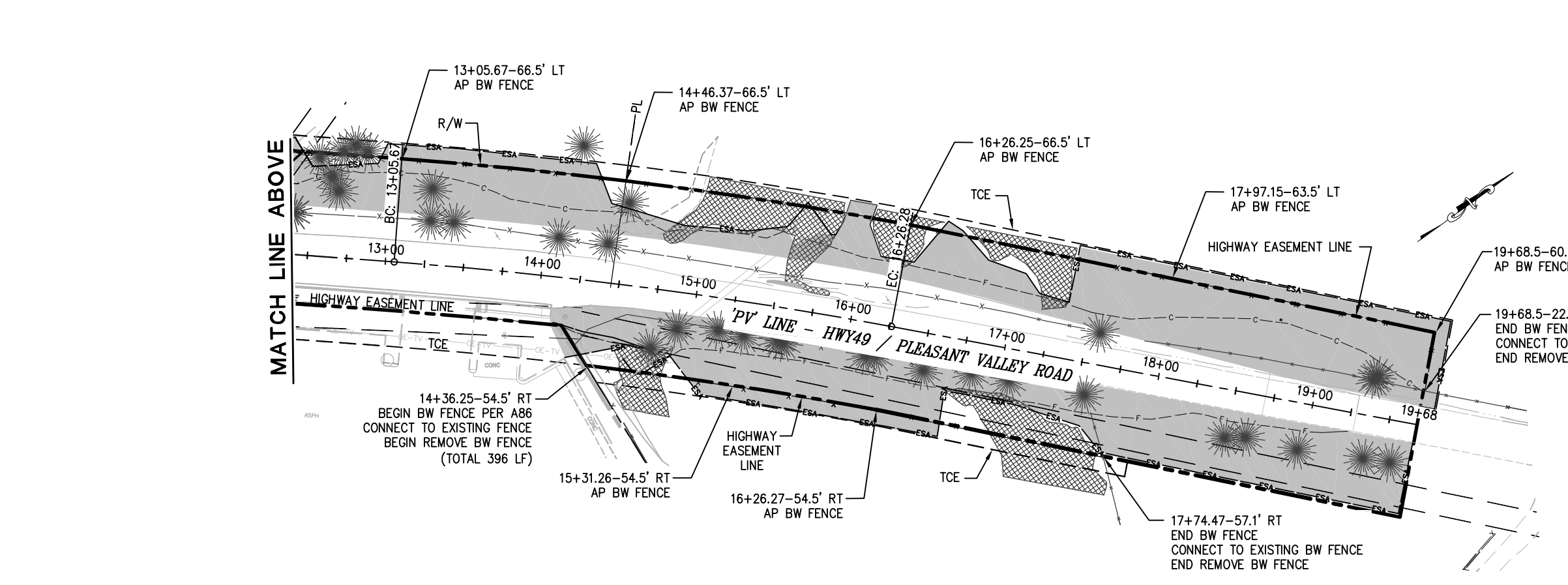
FIBER ROLLS SHALL BE PLACED ALONG TOP AND TOE OF CUT SLOPES AND SPACED EVERY 10' VERTICAL IN BETWEEN.

LEGEND

- ESA — ENVIRONMENTALLY SENSITIVE AREA FENCING. ALL TREES ALONG THE PERIMETER OF CONSTRUCTION WILL BE PROTECTED WITH ORANGE ESA FENCING, 1' OUTSIDE OF THE TREE DRIP LINE. ESA FENCING MAY BE PLACED AROUND ENTIRE CLUSTERS OR GROUPS OF TREES TO FORM ONE CONTINUOUS PERIMETER. ANY ADDITIONAL TREES NOT DEPICTED ON THIS PLAN THAT LIE ADJACENT TO OR NEAR THE CONSTRUCTION AREA, WILL BE PROTECTED BY ESA FENCING.
- [Hatched Box] ALL DISTURBED AREAS AND EXPOSED SLOPES SHALL HAVE HYDOMULCH AND HYDROSEED.
- [Cross-hatched Box] WETLANDS AREAS. ESA FENCING SHALL BE PLACED TO PROVIDE PROTECTION IN SENSITIVE AREAS.



PLAN - HWY49/PLEASANT VALLEY ROAD



PLAN - HWY49/PLEASANT VALLEY ROAD

EROSION CONTROL/FENCING PLAN

EC-1

SCALE: 1"=40'

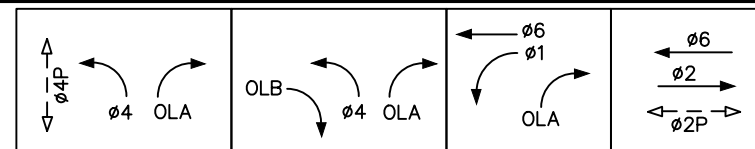
PW 09-30425	CU 03-0303	EA 03-3E980
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DEP	EL DORADO COUNTY	ORIENTATION	
		FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES	
PROJECT ENGINEER	BY	DATE	3
			2
CALCULATED/DESIGNED	BY	DATE	1
			1
CHECKED	BY	DATE	1
			1
REVISOR	BY	DATE	1
			1

Drawing Name: C:\Civil 3D\Drawings\Projects\73320 Patterson at Hwy 49\Drawings\Sheets\EC-1.dwg, Layout Tab: EC-1, Last Saved: Thu, 08 Aug 2013 - 11:05am, BRichards

ABBREVIATIONS:

AT&T AMERICAN TELEPHONE & TELEGRAPH CORPORATION
 CCTV CLOSE CIRCUIT TELEVISION
 EVD EMERGENCY VEHICLE DETECTOR
 MT CONDUIT WITH PULL WIRE OR ROPE ONLY
 PG&E PACIFIC GAS & ELECTRIC CORPORATION
 OT OVERHEAD TELEPHONE
 (T) TRAFFIC PULL BOX
 TDC TELEPHONE DEMARCATION CABINET



PROPOSED TRAFFIC PHASE DIAGRAM

EVDa = 02, OLB
 EVDb = 04, OLA
 EVDc = 01+06

DESIGN SPEED
 HWY 49-PLEASANT VALLEY ROAD = 45 MPH
 PATTERSON DRIVE = 35 MPH

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	43	46

REGISTERED CIVIL ENGINEER
 Paul J. Howitt
 No. C 63574
 License Expires 9-30-14
 COUNTY OF EL DORADO
 PLACERVILLE, CA. 95667

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TRAFFIC SIGNAL GENERAL NOTES:

1. THESE PLANS ARE ACCURATE FOR ELECTRICAL WORK ONLY.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND STANDARD SPECIFICATIONS DATED 2010, THE CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES DATED 2010 AND THE SPECIAL PROVISIONS.
3. LOCATIONS OF EXISTING UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE AND MAY NOT BE COMPLETE. CONTRACTOR SHALL VERIFY THE EXISTANCE, LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES / DISTRICTS AND UNDERGROUND SERVICE ALERT (USA, 800-642-2444) AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
4. THE LOCATION OF ALL PULL BOXES, CONDUITS AND OTHER EQUIPMENT SHOWN ON THE PLAN ARE APPROXIMATE AND MAY BE CHANGED TO SUIT FIELD CONDITION AS DIRECTED BY THE ENGINEER.
5. ALL SIGNAL POLES SHALL HAVE A MINIMUM OF 4.5' CLEARANCE FROM THE FACE OF CURB OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED ON THE PLAN.
6. ALL PULL BOXES SHALL BE No. 5 UNLESS OTHERWISE NOTED ON THE PLAN.
7. ALL DETECTOR LOOPS SHALL BE INSTALLED AT THE CENTER OF THE TRAVEL LANE UNLESS OTHERWISE NOTED ON THE PLAN. SEE CALTRANS STANDARD PLANS ES-5A & ES-5B FOR DETAILS.
8. DETECTOR HANDHOLES AND HOME RUN CONDUIT SHALL BE PLACED IN COMMON TRENCH WITH PARALLEL CONDUITS.
9. TYPE V PEU SHALL BE MOUNTED IN THE SERVICE CABINET.
10. ALL TRAFFIC PULL BOXES SHALL BE WELDED. SEE DETAIL ON SHEET E-4.

PROJECT NOTES (FOR THIS SHEET ONLY):

- 3 REMOVE LIGHT POLE BY PG&E. CONTRACTOR SHALL COORDINATE WITH PG&E FOR STREET LIGHT REMOVAL AFTER THE SIGNAL LIGHTING IS IN OPERATION.
- 4 2"C, MT. TELEPHONE LINE SHALL BE INSTALLED BY AT&T. CONTRACTOR SHALL COORDINATE WITH AT&T FOR SERVICE CONNECTION.
- 5 SALVAGE EXISTING FLASHING SIGNAL POLE AND REMOVE POLE FOUNDATION. CAP EXISTING CONDUIT.
- 6 2"C, 3-#2 (SEE SHEET E-2 FOR SERVICE POINT LOCATION), CONDUIT SHALL BE INSTALLED 30" BELOW GRADE.
- 7 FURNISH AND INSTALL STREET NAME SIGN ON SIGNAL POLE. MOUNTING DIRECTLY ABOVE THE SIGNAL MASTARM CONNECTION.
- 8 CONTRACTOR SHALL USE CAUTION WHEN INSTALLING SIGNAL EQUIPMENT NEAR EXISTING UTILITY FACILITIES.
- 9 INSTALL CCTV AND CAMERA INTERCONNECT CABLE FROM POLE F TO CONTROLLER CABINET. SEE CALTRANS STANDARD ES-7R FOR DETAIL A & D.
- 10 INSTALL EVD ON SIGNAL HEAD.
- 15 INSTALL VIDEO DETECTION CAMERA ON SIGNAL POLE AS SHOWN ON THE PLAN. PROGRAM VIDEO DETECTION CAMERA TO SET UP VIDEO DETECTION ZONES FOR EACH LANE AS SHOWN ON THE PLAN. ADJUST CAMERA AS NECESSARY.
- 17 REMOVE TRAFFIC SIGNAL BOX
- 18 ABANDON CONDUITS

SIGNAL & LIGHTING

E-1

SCALE: 1"=10'

PROJECT ENGINEER	NAME	HERE

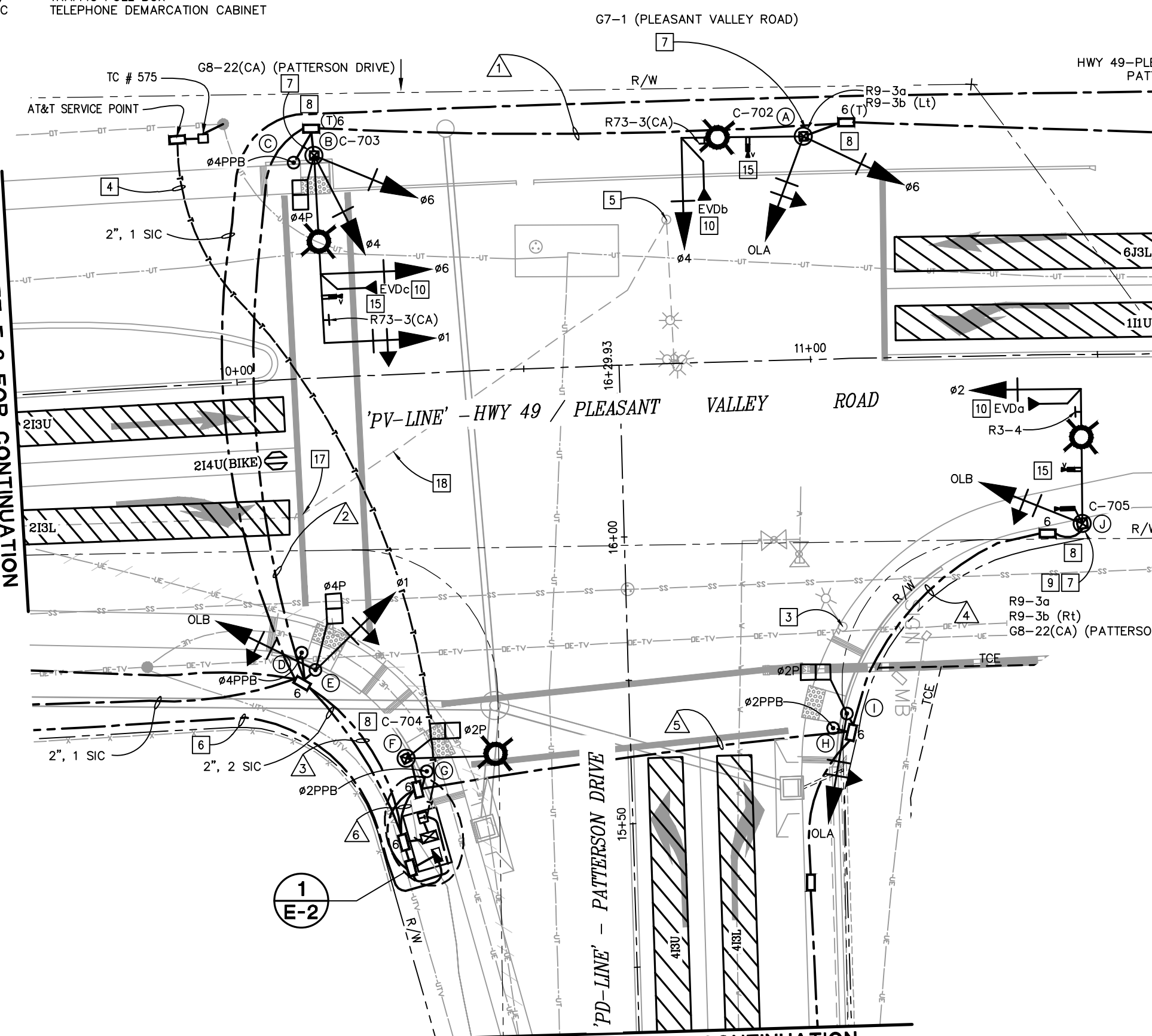
DRF/AN	DATE	REVISION	BY

CALCULATED/DESIGNED	BY	CHECKED	BY

SEE SHEET E-2 FOR CONTINUATION

SEE SHEET E-2 FOR CONTINUATION

SEE SHEET E-2 FOR CONTINUATION

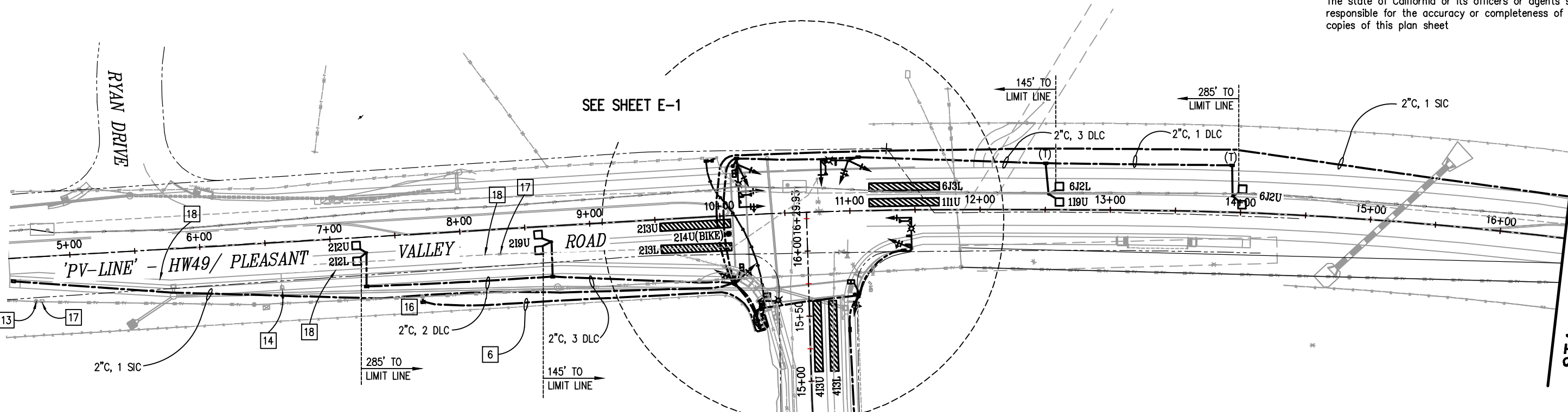


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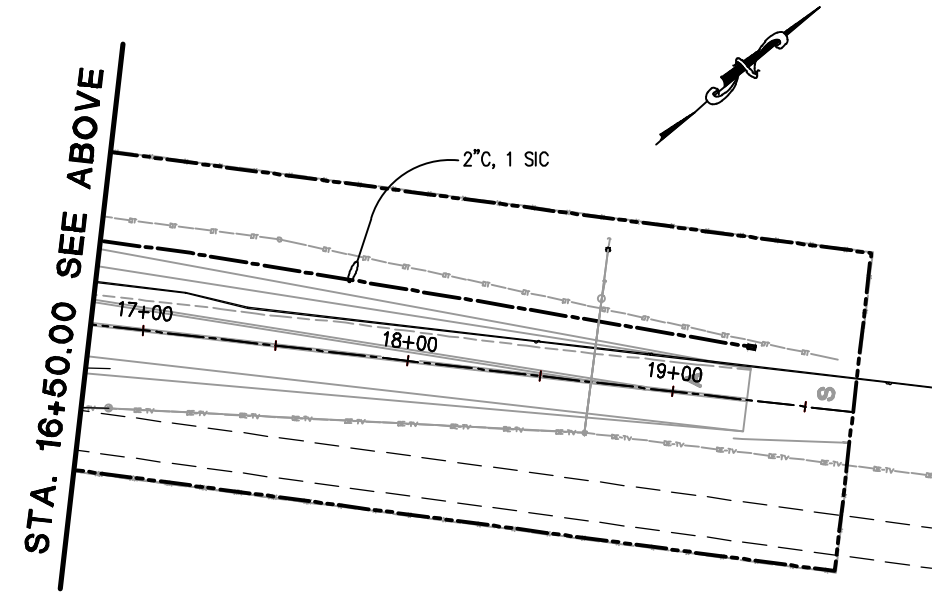
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	44	46

REGISTERED CIVIL ENGINEER
Paul J. How
 No. C 63574
 License Expires 9-30-14
 COUNTY OF EL DORADO
 PLACERVILLE, CA. 95667

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STA. 16+50.00 SEE BELOW

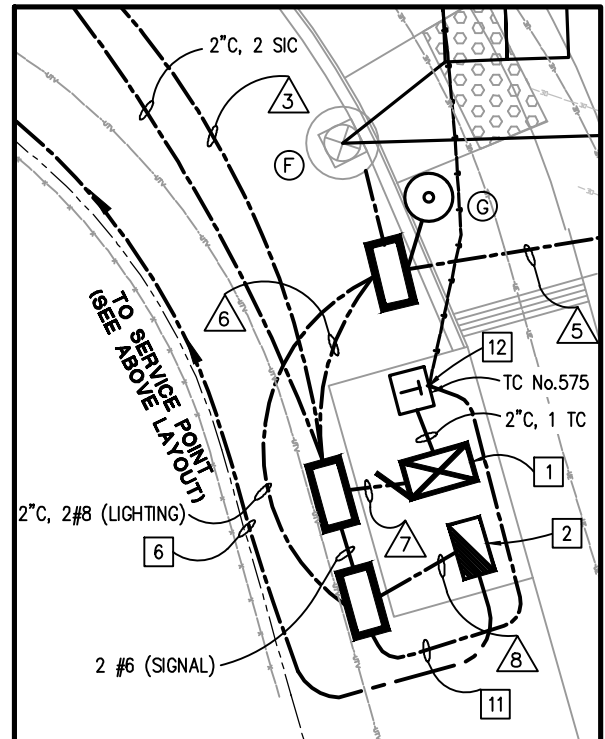


STA. 16+50.00 SEE ABOVE

PROJECT NOTES (FOR THIS SHEET ONLY):

SEE SHEET E-1 FOR TRAFFIC SIGNAL GENERAL NOTES AND LEGEND

- 1 INSTALL STATE-FURNISHED MODEL 332L CABINET ASSEMBLY WITH MODEL 2070E CONTROLLER. FRONT DOOR OF CONTROLLER CABINET SHALL FACE EAST.
- 2 INSTALL TYPE III-AF SERVICE EQUIPMENT ENCLOSURE 120/240V, 1Ø, 3W. CTID No.: 03250490010680
LOAD:
950W TRAFFIC SIGNAL
4 ROADWAY II LED LUMINAIRES
300 WATTS EACH, 1200 WATTS TOTAL
100W TELEPHONE DEMARCATION CABINET.
- 6 2" C, 3-#2, CONDUIT SHALL BE INSTALLED 30" BELOW GRADE.
- 11 2" C, 2 #10 (120V TDC).
- 12 INSTALL TYPE B TDC. SEE CALTRANS STANDARD PLAN ES-3E FOR DETAILS.
- 13 REMOVE EXISTING FLASHING SIGNAL POLE, AND POLE FOUNDATION.
- 14 REMOVE EXISTING TRAFFIC SIGNAL BOX.
- 16 FURNISH AND INSTALL PULL BOX PER PG&E REQUIREMENT.
- 17 REMOVE EXISTING TRAFFIC SIGNAL BOX.
- 18 ABANDON CONDUITS



1 CONTROLLER CABINET DETAIL

SIGNAL & LIGHTING

E-2

SCALE: 1"=40'

PW 09-30425	CU 03-0303	EA 03-3E980
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DEPARTMENT OF TRANSPORTATION
 EL DORADO COUNTY
 PROJECT ENGINEER NAME HERE
 CALCULATED/DESIGNED BY PH
 CHECKED BY PH
 DRF/AN DATE 1/6/12
 REVISED BY PH DATE XX/XX
 FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES
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POLE AND EQUIPMENT SCHEDULE

NO.	STANDARD			VEHICLE SIGNAL MOUNTING			PEDESTRIAN SIGNAL MOUNTING		PPB		LED LUMINAIRE (WATTS)	LOCATION		REMARKS
	TYPE	SIG. MA (FT)	LUM. MA (FT)	Ø	MAST ARM	Ø	POLE	Ø	POLE	Ø		ARROW	STATION**	
(A)	19A-3-100	25	15	4	MAS	4	SV-2-TA					ROADWAY II	'PV' 10+99.78 38.86' LT	INSTALL EVD _b ON SIGNAL HEAD. INSTALL R73-3(CA) ON SMA, & INSTALL R9-3a, R9-3b(Lt) ON STANDARD & INSTALL G7-1 (PLEASANT VALLEY ROAD) ON STANDARD WITH STRAP & SADDLE BRACKET METHOD *
(B)	24A-4-100	35	15	1 6	MAS MAS	1 6	SV-2-TA	8	SP-1-T			ROADWAY II	'PV' 10+15.38 38.72' LT	INSTALL EVD _c ON SIGNAL HEAD. INSTALL R73-3(CA) ON SMA, & INSTALL G8-22(CA) (PATTERSON DRIVE) ON STANDARD WITH STRAP & SADDLE BRACKET METHOD F=12'. *
(C)	PPB POST												'PV' 10+11.84 38.17' LT	
(D)	PPB POST												'PV' 10+08.84 47.67' RT	
(E)	1-B						TV-2-T	8	SP-1-T				'PV' 10+11.13 50.83' RT	
(F)	15-TS		15					2	SP-1-T			ROADWAY II	'PV' 10+26.43 66.95' RT	
(G)	PPB POST												'PV' 10+27.90 69.68' RT	
(H)	PPB POST												'PV' 11+04.20 66.95' RT	
(I)	1-B						TV-1-T	2					'PV' 11+04.80 61.84' RT	
(J)	19A-3-100	25	15	2	MAS	2	SV-1-T		SP-1-T			ROADWAY II	'PV' 11+47.02 29.48' RT	INSTALL EVD _a ON SIGNAL HEAD. INSTALL R3-4 ON SMA, & INSTALL R9-3a, R9-3b (Rt) ON STANDARD, & G8-22(CA) (PATTERSON DRIVE) ON STANDARD WITH STRAP & SADDLE BRACKET METHOD *

- * OTHER REQUIREMENTS ARE COVERED BY NOTES, LEGEND, SPECIAL PROVISIONS AND STANDARD SPECIFICATIONS. FOR TYPE OF STANDARD AND VEHICLE SIGNAL MOUNTING, SEE STANDARD PLANS.
- ** THE FINAL LOCATION WILL BE DETERMINED BY FIELD ENGINEERS.

CONDUCTOR & CONDUIT SCHEDULE

AWG SIZE OR CABLE TYPE	PHASE Ø	POLE OR CIRCUIT	RUN No.											
			NEW 1	NEW 2	NEW 3	NEW 4	NEW 5	NEW 6	NEW 7	NEW 8				
12/3 CONDUCTOR SIGNAL CABLES	4, 6, OLA	POLE (A)	1	1	1					1				
	1, 4, 6, 4P	POLE (B)		1	1						1			
	4PPB	POLE (C)			1	1						1		
	4PPB	POLE (D)				1						1		
	1, 4P, OLB	POLE (E)				1					1	1		
	2P	POLE (F)								1	1			
	2PPB	POLE (G)									1	1		
	2PPB	POLE (H)						1	1	1	1	1		
	2P, OLA	POLE (I)					1	1	1	1	1	1		
	2, OLB	POLE (J)				1	1	1	1	1	1	1		
TOTAL CABLES 12/3 CONDUCTORS			1	2	1	3	2	1	2	1	3	2	6	4
#10	TDC													2
#8	LIGHTING		2	2	2	2	2	2	2	2				2
	SIGNAL		2	2	2	2	2	2	2					2
#6	CONTROLLER SERVICE												2	2
	Ø1		1	1	1								1	
TYPE B DLC	Ø2				3								3	
	Ø4							2	2	2			2	
	Ø6		2	2	2								2	
	TOTAL		3	3	6			2	2	8				
	VIDEO DETECTOR CABLE		1	1	1	1	1	1	1	2				
	EVC		1	2	2	1	1	1	1	3				
	CAMERA INTERCONNECT CABLE					1	1	1	1					
	SIC		1	1	2								2	
CONDUIT SIZE			1-3"	1-4"	1-4"	2-2"	1-3"	1-4"	2-4"	1-2"				
			1-2"	1-2"	2-2"		1-2"	1-2"	3-2"					
% FILL			16	15	21	28	23	17	19	10				

NOTES:

- CAMERA INTERCONNECT CABLE PLACED IN 1-2" BY ITSELF.
- SIGNAL INTERCONNECT CABLE PLACED IN 1-2" BY ITSELF.

SIGNAL & LIGHTING
E-3
SCALE: N/A

DRF/DATE 1/6/12
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PROJECT ENGINEER NAME HERE

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DEPARTMENT OF TRANSPORTATION
EL DORADO COUNTY

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	45	46

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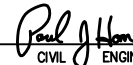
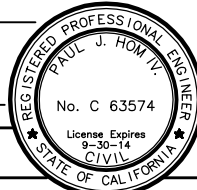
5-24-13
PLANS APPROVAL DATE

COUNTY OF EL DORADO
PLACERVILLE, CA. 95667

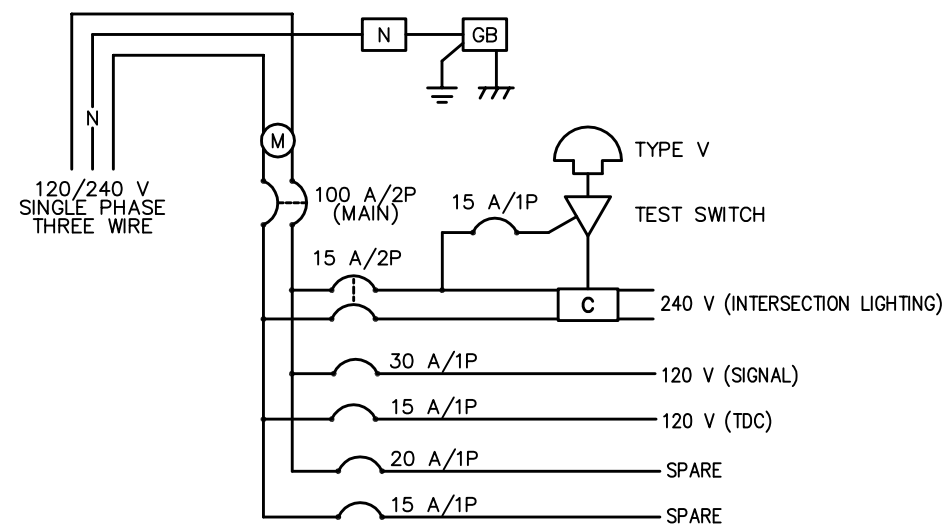
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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	46	46



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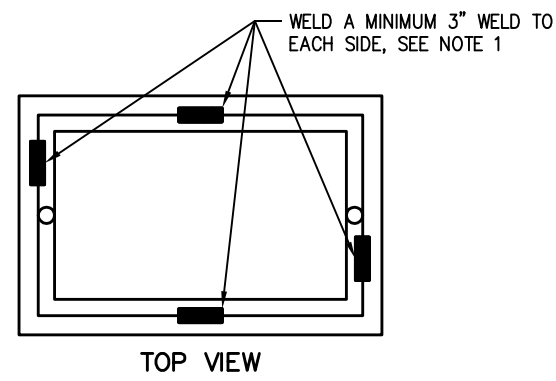
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SERVICE WIRING DIAGRAM
CTID No. 03250490010680

WIRING DIAGRAM SYMBOLS

- C** CONTACTOR (LIGHTING)
- GB** GROUND BUS
- N** NEUTRAL
-  AUTO-TEST SWITCH
-  PHOTOELECTRIC UNIT
- M** METER SOCKET WITH MANUAL CIRCUIT CLOSING DEVICE



TRAFFIC PULL BOX WELDING DETAIL
NTS

NOTES ON PULL BOXES:

- WELDING MUST COMPLY WITH STANDARD SPECIFICATION SECTION 75.
- CONDUITS ENTERING THE PULL BOX MUST BE ENCASED IN PCC (3" ALL AROUND). PCC ENCASEMENT MUST EXTEND 5'-6" FROM THE PULL BOX.
- PULL BOXES FOR ELECTROLIERS, POST AND SIGNAL STANDARDS MUST BE LOCATED WITHIN 5'-0" FROM THE STATION OF THE ADJACENT ELECTROLIER, POST OR SIGNAL STANDARD.

SIGNAL & LIGHTING

E-4
SCALE: N/A

PW 09-30425	CU 03-0303	EA 03-3E980
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DEPARTMENT OF TRANSPORTATION
EL DORADO COUNTY
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES
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DATE 1/6/12
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