



COMMUNITY DEVELOPMENT AGENCY

TRANSPORTATION DIVISION

<http://www.edcgov.us/DOT/>

PLACERVILLE OFFICES:

MAIN OFFICE:

2850 Fairlane Court, Placerville, CA 95667
(530) 621-5900 / (530) 626-0387 Fax

CONSTRUCTION & MAINTENANCE:

2441 Headington Road, Placerville, CA 95667
(530) 642-4909 / (530) 642-0508 Fax

LAKE TAHOE OFFICES:

ENGINEERING:

924 B Emerald Bay Road, South Lake Tahoe, CA 96150
(530) 573-7900 / (530) 541-7049 Fax

MAINTENANCE:

1121 Shakori Drive, South Lake Tahoe, CA 96150
(530) 573-3180 / (530) 577-8402 Fax

DATE: October 9, 2013

TO: All Prospective Bidders

SUBJECT: Addendum No. 1
Pleasant Valley Road (SR49) at Patterson Drive Intersection Signalization
Contract No. PW 09-30425, CIP No.73320

Submit proposals for this work with the understanding and full consideration of this addendum. The revisions declared in this addendum are essential parts of the Contract.

ITEM NO.	LOCATION, PAGE, OR DRAWING NO.	DESCRIPTION OF CHANGE						
1. 1.	SPL-2	Add D-71 "Drainage Inlet Markers" and RSP ES-10A "Electrical Systems (Isofootcandle Diagrams)" to the Standard Plan List. Note that RSP ES- 10A will be added to the Applicable Revised Standard Plans and new Standard Plans posted under Informational Handout on our website at http://www.edcgov.us/Government/DOT/Bids.aspx						
1. 2.	SP-1, C-14 through C-17, P-5 through P-8	<table><tr><td colspan="3">Add the following to the table on SP-1:</td></tr><tr><td>153247A</td><td>REMOVE CONCRETE (SIGN FOUNDATION)</td><td>15</td></tr></table> A Bid item for REMOVE CONCRETE (SIGN FOUNDATION) is added. Bidders are instructed to replace pages C-14 through C-17 of the Draft Contract and P-5 through P-8 of the Proposal with the revised pages C-14 rev through C-17 rev attached to this Addendum as Attachment A and P-5 rev through P-8 rev attached to this Addendum as Attachment B. Bidders are instructed to attach C-14 rev through C-17 rev and P-5 rev through P-8 rev to the respective page in the Contract Documents book (e.g. attach C-14 rev to original page C-14).	Add the following to the table on SP-1:			153247A	REMOVE CONCRETE (SIGN FOUNDATION)	15
Add the following to the table on SP-1:								
153247A	REMOVE CONCRETE (SIGN FOUNDATION)	15						

1. 9.	SP-124	Add to section 86-8.01 of the special provisions: "Payment for removing existing utility pole and abandoning conduit between existing utility pole and Traffic Signal Box is included in Signal and Lighting."
1. 10.	Appendix B	Insert at the end of Appendix B Caltrans Encroachment Permit attached as Attachment G to this Addendum.

Indicate receipt of this addendum by filling in the number of this addendum in the space provided on the signature page of the proposal.

Holders who have already mailed their proposal can contact Janel Gifford at (email: Janel.Gifford@edcgov.us) to arrange return of their proposal.

Inform all suppliers and subcontractors as necessary.


The DOT is only sending this addendum by posting on the following website:
<http://www.edcgov.us/Government/DOT/Bids.aspx>.

If you are not a Contract Documents Holder, but request a set of documents to bid on this project, you must comply with the requirements of this addendum when submitting your bid.

Attachments:

Attachment A-Revised pages C-14rev through C-17rev of the Draft Contract	4 pages
Attachment B- Revised pages P-5rev through P-8rev of the Proposal	4 pages
Revised Plan Sheets L-1, L-2, L-3 ,L-4, C-1, D-2, D-3, U-1, U-2, U-3, U-4, E-1 and E-2	13 pages
Attachment C- Revised Table - Utility Relocation By Others and Department-Arranged Time for Relocation	1 page
Attachment D – Revised Table – Contractor to Abandon/Remove/Salvage Utility and Contractor-Arranged Time for the Removal	1 page
Attachment E – Additions to section 15 of the special provisions	1 page
Attachment F – Revised section 68-7 Geocomposite Drain Systems	1 page
Attachment G – Caltrans Encroachment Permit	15 pages

End of Addendum No. 1



Recommended by:
Janel Gifford, P.E.
Office Engineer

10/9/13

Date



Approved by:
Kimberly A. Kerr
Interim Transportation Director
Acting Community Development Agency Director

10/9/13

Date

Item No.	Item Code	Item Description	Unit of Measure	ESTIMATED QUANTITY	ITEM PRICE	TOTAL PRICE (In Figures)
38		151531A RECONSTRUCT FENCE (chain link with slats)	LF	290		
39		152390 RELOCATE ROADSIDE SIGN	EA	7		
40		152402 ADJUST WATER VALVE COVER TO GRADE	EA	7		
41		152440 ADJUST MANHOLE TO GRADE	EA	2		
42		152453A ADJUST WATER BLOW-OFF VALVE BOX TO GRADE	EA	1		
43		153103A COLD PLANE ASPHALT CONCRETE PAVEMENT (Minimum depth = 0.10')	SY	482		
44		153103B COLD PLANE ASPHALT CONCRETE PAVEMENT (Minimum depth = 0.20')	SY	2,018		
45		153121A REMOVE SIGNAL POLE FOUNDATIONS	CY	2		
46		153215A REMOVE CONCRETE (Curbs, Gutters and Driveways)	CY	78		
47		153218 REMOVE CONCRETE (Sidewalk)	SF	1,655		
48		153247A REMOVE CONCRETE (SIGN FOUNDATION)	CY	3		
49		155232 SAND BACKFILL	CY	25		
50		160102 CLEARING AND GRUBBING	LS	1		
51	F	190101 ROADWAY EXCAVATION	CY	2,524		
52		192059 STRUCTURE EXCAVATION (TYPE DC)	LS	1		
53		193013 STRUCTURE BACKFILL (RETAINING WALL)	CY	17		
54		210270 ROLLED EROSION CONTROL PRODUCT (NETTING-Type C)	SF	198		
55		210300 HYDROMULCH	SF	82,380		

Item No.		Item Code	Item Description	Unit of Measure	ESTIMATED QUANTITY	ITEM PRICE	TOTAL PRICE (In Figures)
56		210350	FIBER ROLLS	LF	2,670		
57		210430	HYDROSEED	SF	82,578		
58		210600	COMPOST	SF	198		
59		210630	INCORPORATE MATERIALS	SF	82,380		
60		260203	CLASS 2 AGGREGATE BASE	CY	888		
61		390132	HOT MIX ASPHALT (TYPE A)	TON	2,777		
62		390135	HOT MIX ASPHALT (LEVELING)	TON	2,181		
63		394073	PLACE HOT MIX ASPHALT DIKE (TYPE A)	LF	53		
64		394090A	PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA)(SIDEWALK & RAMP)	SQYD	212		
65	F	510050	STRUCTURAL CONCRETE (PCC SLAB, ARCH CULVERT)	CY	13		
66	F	510060	STRUCTURAL CONCRETE (RETAINING WALL)	CY	44		
67		510502A	TYPE OS INLET	EA	1		
68		510502B	TYPE GO INLET	EA	4		
69		510502C	TYPE G3 INLET	EA	1		
70	F	510526	MINOR CONCRETE (BACKFILL)	CY	42		
71	P-F	520103	BAR REINFORCING STEEL (RETAINING WALL)	LB	2,475		
72	P-F	520101A	BAR REINFORCING STEEL (PCC Slab, Arch Culvert)	LB	700		
73		566011	ROADSIDE SIGN - ONE POST	EA	7		

Item No.		Item Code	Item Description	Unit of Measure	ESTIMATED QUANTITY	ITEM PRICE	TOTAL PRICE (In Figures)
74	P	641101	12" PLASTIC PIPE	LF	105		
75	P	641107	18" PLASTIC PIPE	LF	680		
76	P	667028	49" x 33" CORRUGATED STEEL PIPE ARCH (.079" THICK)	LF	115		
77		700639A	36" GMP (0.109" THICK)	EA	2		
78		705001A	49" x 33" STEEL FLARED END SECTION	EA	2		
79		705011	18" STEEL FLARED END SECTION	EA	1		
80	P	707225	48" PRECAST CONCRETE PIPE MANHOLE	EA	3		
81	F	721026	ROCK SLOPE PROTECTION (BACKING NO. 1, METHOD B)	CY	33		
82	F	721028	ROCK SLOPE PROTECTION (BACKING NO. 2, METHOD B)	CY	2		
83		729011	ROCK SLOPE PROTECTION FABRIC (CLASS 8)	SY	67		
84	F	730020	MINOR CONCRETE (CURB)	CY	17		
85	F	730045A	MINOR CONCRETE (VALLEY GUTTER)	CY	18		
86	F	731504	MINOR CONCRETE (CURB & GUTTER)	CY	96		
87	F	731521	MINOR CONCRETE (SIDEWALK)	CY	100		
88	F	731623	MINOR CONCRETE (CURB RAMP)	CY	9		
89	P	800001	FENCE (TYPE BW)	LF	1,225		
90		800101	TEMPORATY FENCE (TYPE BW)	LF	231		
91		800103	TEMPORARY FENCE (TYPE CL-6)	LF	611		

Item No.	Item Code	Item Description	Unit of Measure	ESTIMATED QUANTITY	ITEM PRICE	TOTAL PRICE (In Figures)
92		801150A 10' WIRE MESH GATE (58" TALL, TYPE BW)	EA	2		
93		820107 DELINEATOR (CLASS 1)	EA	4		
94		832001 METAL BEAM GUARD RAILING	LF	38		
95		839541 TRANSITION RAILING (TYPE WB)	EA	1		
96		839584 ALTERNATIVE IN-LINE TERMINAL SYSTEM	EA	1		
97		840501 THERMOPLASTIC TRAFFIC STRIPE	LF	8,851		
98		840519 THERMOPLASTIC CROSSWALK AND PAVEMENT MARKING	SF	1,212		
99		850111 PAVEMENT MARKER (RETROREFLECTIVE)	EA	2,445		
100		850111A PAVEMENT MARKER, BLUE (RETROREFLECTIVE)	EA	2		
101	P	860201 SIGNAL AND LIGHTING	LS	1		
102		999990 MOBILIZATION	LS	1		
TOTAL BID:						

(F) Final Pay Quantity
(P) Eligible for Partial Payment

(LS) Lump Sum
(SWD) Sign Working Day

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TOTAL BID:						

(F) Final Pay Quantity
(P) Eligible for Partial Payment

(LS) Lump Sum
(SWD) Sign Working Day

(NOTICE: Bidders failure to execute the questionnaires and statements contained in this proposal as required by applicable laws and regulations, or the determinations by County of El Dorado based upon those questionnaires and statements, may prohibit award of the subject Contract to the bidder.)

Utility Relocation By Others and Department-Arranged Time for the Relocation:

Plan sheet, Item No.	Utility	Location	By Whom (duration of relocation work)
U1, 9	Power Supply Box (TV)	"PV" 6+50, Rt	By Others, prior to Construction.
U1, 10	Comcast Splice Box	"PV" 4+57, Rt	By Others, prior to Construction.
U2, 13	AT&T Manhole Adjust to Grade	"PV" 10+50, 40 ' Lt	By AT&T during construction (allow 2 working days)
U2, 15	Remove PG&E Pole & Light	"PV" 11+10, 48' Rt	By PG&E during construction (allow 2 working days)
U2, 16	New PGE conduit from new Pole	PV" 9+82, Rt to "PV" 10+42 Rt	By PG&E Prior to Construction
U3, 28	AT&T Manhole Adjust to Grade	"PV" 17+30, 16' Lt	By AT&T during construction (allow 2 working days)
U4, 31	Comcast Splice Box	"P" 12+80, 22' Lt	By Others, prior to Construction
U4, 33	Abandon Extraction Well	"P" 13+80, Rt	By Others, prior to Construction
U4, 34	Remove EID Valve	"P" 13+36, Rt	By Others, prior to Construction
U4, 36	PG&E to remove conduit	"P" 15+13, 22' Lt to "P" 15+85, 55' Lt	By Others, prior to Construction
U4, 38	EID remove Pressure Reducing Station	"P" 13+20, Rt	By others, prior to Construction
U4, 46	PG&E install vault	"P" 12+75, Lt	By others, prior to Construction
U4, 55	EID install Pressure Reducing Station	"P" 13+30, Rt	By others, prior to Construction
U4, 57	EID remove waterline and valve	"P" 13+00 to "P" 13+50, Rt	By others, prior to Construction
U4, 64	Underground electric box – PG&E adjust to sidewalk grade	"P" 15+05, Lt	By PG&E during construction (allow 1 working day)

Contractor to Abandon/Remove/Salvage Utility and Contractor-Arranged Time for the Removal

Plan Sheet, Item No.	Utility	Location	Work Description
U1, 4	Flashing Signal Pole & Pole Foundation	"PV" 5+00, Rt	Remove
U1, 6	Traffic Signal Box	"PV" 6+60, Rt	Remove
U1, 7	Traffic Signal Box	"PV" 8+30, Rt	Remove
U1, 59	Traffic Signal Box	"PV" 5+00, Rt	Remove
U1, 60	Conduit	"PV" 5+00 to 9+50, Rt	Abandon
U1, 62	Existing Utility Pole	"PV" 6+55, Rt	Remove after new traffic signal is in operation
U1, 63	Conduit Between Existing Utility Pole and Traffic Signal Box	"PV" 6+55, Rt	Abandon after new traffic signal is in operation
U2, 17	Flashing Signal Pole & Luminaire	"PV" 10+77, Lt	Salvage after new traffic signal is in operation
U2, 17	Signal Pole Foundation	PV" 10+77, Lt	Remove
U2, 60	Conduit	"PV" 9+50, Rt to "PV" 10+75, Lt	Abandon
U2, 61	Traffic Signal Box	"PV" 10+10, Rt	Remove
U4, 33	Utility Box	"P" 13+80, Rt	Remove
U4, 33	Cap Pipes	"P" 13+80, Rt	Abandon
U4, 41	Conduit	"P" 13+67, 23.3' Rt	Abandon
U4, 41	Utility Box	"P" 13+67, 23.3' Rt	Remove
U4, 56	Existing EID Waterline	"P" 13+50 to 16+00, Rt	Remove

Add to Section 15-3.03:

Remove existing Concrete sign foundation shown on sheet L-2, item 12 of the contract plans. Existing Towermart Gas Station Sign to be removed by others prior to construction.

Add to Paragraph 6 of section 15-3.03:

Backfill the area where the sign foundation was removed with native compacted material, per section 19-5 of the specifications, to match surrounding finished grade.

Add to section 15-3.04:

Removing concrete at existing sign foundation at Towermart gas station is paid for as Remove Concrete (sign foundation).

For removing concrete at locations not listed above, payment for removing concrete is included in the payment for the work involved.

Replace section 68-7 with:
68-7 GEOCOMPOSITE DRAIN SYSTEMS

68-7.01 GENERAL

68-7.01A Summary

Section 68-7 includes specifications for constructing geocomposite drain systems.

Geocomposite drain includes filter fabric, Class 1 Type A permeable material, and plastic pipe.

Geocomposite drain system includes Center Drain Grate as shown on C-5 and Standard Plan B3-6.

68-7.01B Definitions

Reserved

68-7.01C Submittals

Not Used.

68-7.02 MATERIALS

68-7.02A General

Filter fabric must be Class A.

68-7.02B Geocomposite Drain

Not used.

68-7.02C Plastic Pipe

Plastic pipe must comply with the specifications for pipe for underdrains in section 68-2.

68-7.02D Permeable material

Permeable material must comply with Class 1 Type A permeable material in section 68-2.02F(2)

68-7.03 CONSTRUCTION

Not Used

68-7.04 PAYMENT

Geocomposite drain is paid for under Structure Backfill (Retaining Wall).

ENCROACHMENT PERMIT

TR-0120 (REV 6/2012)

Permit No
0313-AOP0738

In compliance with (Check one):

☒ Your application of September 4, 2013☐ Utility Notice No. _____ of _____☐ Agreement No. _____ of _____☐ R/W Contract No. _____ of _____Dist/Co/Rte/PM
03-ED-49-10.7/10.7Date
September 4, 2013Fee Paid
\$ N/ADeposit
\$ N/APerformance Bond Amount (1)
\$ N/APayment Bond Amount (2)
\$

Bond Company

Bond Number (1)

Bond Number (2)

TO: **El Dorado County Dept of Transportation**
2850 Fairlane Ct.
Placerville, CA 95667
Attn: Dwight Anderson, P.E.
(530) 621-5900**EA 03-3E980**
Coop Agreement 03-0473**, PERMITTEE**

and subject to the following, PERMISSION IS HEREBY GRANTED to:

Place improvements including: road widening structural sections, excavation, embankment, installation of AB, asphalt leveling and overlay, curbs, sidewalks, storm drainage, concrete barrier, guard rail, and intersection signalization.

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, MUTCD, AND THE DEPARTMENT OF TRANSPORTATION ENCROACHMENT PERMIT UTILITY PROVISIONS.

continued on page 2

THIS PERMIT IS NOT A PROPERTY RIGHT AND DOES NOT TRANSFER WITH THE PROPERTY TO A NEW OWNER.

The following attachments are also included as part of this permit (Check applicable):

<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	General Provisions
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Utility Maintenance Provisions
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Special Provisions TRAFFIC CONTROL
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	A Cal-OSHA permit, if required: Permit No. _____
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	As-Built Plans Submittal Route Slip for Locally Advertised Projects
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Storm Water Pollution Protection Plan

In addition to fee, the permittee will be billed actual costs for:

<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Review
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Inspection
<input checked="" type="checkbox"/> Yes		Field work

(If any Caltrans effort expended)

<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	The information in the environmental documentation has been reviewed and considered prior to approval of this permit.
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This permit is void unless the work is completed before November 15, 2014

This permit is to be strictly construed and no other work other than specifically mentioned is hereby authorized.

No project work shall be commenced until all other necessary permits and environmental clearances have been obtained

Veera Nanugonda, Construction RE
Cell # 530-218-4803; Office # 530-621-0986.
3065 Blairs Lane, Placerville CA 95667
cc: Rusty Grout, Sunrise Maint. Region
Rodney Murphy, Project Manager
Tara McCann, Permit Inspector

APPROVED:

JODY JONES, District Director

BY:


TIM GREUTERT, Chief-Encroachment Permits Branch
ADA Notice For individuals with sensory disabilities, this document is available in alternate formats. For information call (916) 654-6410 or TDD (916) 654-3880 or write Records and Forms Management, 1120 N Street, MS-89, Sacramento, CA 95814.

PERMISSIONS Conditions Continued:

Notwithstanding General Provision #4, your contractor shall obtain a Permit (Double Permit) to perform the work authorized. There is no fee for the Contractor's Permit. Contractor needs to apply for Double permit with no fees before starting the work.

A pre-job meeting is required to discuss the work and traffic control. Refer to attached Lane Closure Chart for traffic control hours. A minimum of SEVEN (7) working days notice is required for any work involving lane closures. Work shall not be performed in fog or inclement weather.

Permittee shall contact Construction Resident Engineer, Veera Nanugonda at Cell (530) 218-4803, two (2) working days prior to commencing work, to arrange a pre-job meeting. A 24-hour notification before restarting work shall be strictly adhered to. All work shall be conducted and completed to the satisfaction of Caltrans representative. Immediately following completion of the work permitted herein, the Permittee shall fill out and mail the Notice of Completion attached to this Permit.

STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION
ENCROACHMENT PERMIT GENERAL PROVISIONS
TR-0045 (REV. 05/2007)

1. **AUTHORITY:** The Department's authority to issue encroachment permits is provided under, Div. 1, Chpt. 3, Art. 1, Sect. 660 to 734 of the Streets and Highways Code.
2. **REVOCATION:** Encroachment permits are revocable on five days notice unless otherwise stated on the permit and except as provided by law for public corporations, franchise holders, and utilities. These General Provisions and the Encroachment Permit Utility Provisions are subject to modification or abrogation at any time. Permittees' joint use agreements, franchise rights, reserved rights or any other agreements for operating purposes in State highway right of way are exceptions to this revocation.
3. **DENIAL FOR NONPAYMENT OF FEES:** Failure to pay permit fees when due can result in rejection of future applications and denial of permits.
4. **ASSIGNMENT:** No party other than the permittee or permittee's authorized agent is allowed to work under this permit.
5. **ACCEPTANCE OF PROVISIONS:** Permittee understands and agrees to accept these General Provisions and all attachments to this permit, for any work to be performed under this permit.
6. **BEGINNING OF WORK:** When traffic is not impacted (see Number 35), the permittee shall notify the Department's representative, two (2) days before the intent to start permitted work. Permittee shall notify the Department's Representative if the work is to be interrupted for a period of five (5) days or more, unless otherwise agreed upon. All work shall be performed on weekdays during regular work hours, excluding holidays, unless otherwise specified in this permit.
7. **STANDARDS OF CONSTRUCTION:** All work performed within highway right of way shall conform to recognized construction standards and current Department Standard Specifications, Department Standard Plans High and Low Risk Facility Specifications, and Utility Special Provisions. Where reference is made to "Contractor and Engineer," these are amended to be read as "Permittee and Department representative."
8. **PLAN CHANGES:** Changes to plans, specifications, and permit provisions are not allowed without prior approval from the State representative.
9. **INSPECTION AND APPROVAL:** All work is subject to monitoring and inspection. Upon completion of work, permittee shall request a final inspection for acceptance and approval by the Department. The local agency permittee shall not give final construction approval to its contractor until final acceptance and approval by the Department is obtained.
10. **PERMIT AT WORKSITE:** Permittee shall keep the permit package or a copy thereof, at the work site and show it upon request to any Department representative or law enforcement officer. If the permit package is not kept and made available at the work site, the work shall be suspended.
11. **CONFLICTING ENCROACHMENTS:** Permittee shall yield start of work to ongoing, prior authorized, work adjacent to or within the limits of the project site. When existing encroachments conflict with new work, the permittee shall bear all cost for rearrangements, (e.g., relocation, alteration, removal, etc.).
12. **PERMITS FROM OTHER AGENCIES:** This permit is invalidated if the permittee has not obtained all permits necessary and required by law, from the Public Utilities Commission of the State of California (PUC), California Occupational Safety and Health Administration (Cal-OSHA), or any other public agency having jurisdiction.
13. **PEDESTRIAN AND BICYCLIST SAFETY:** A safe minimum passageway of 4' shall be maintained through the work area at existing pedestrian or bicycle facilities. At no time shall pedestrians be diverted onto a portion of the street used for vehicular traffic. At locations where safe alternate passageways cannot be provided, appropriate signs and barricades shall be installed at the limits of construction and in advance of the limits of construction at the nearest crosswalk or intersection to detour pedestrians to facilities across the street. Attention is directed to Section 7-1.09 Public Safety of the Department Standard Specifications.
14. **PUBLIC TRAFFIC CONTROL:** As required by law, the permittee shall provide traffic control protection warning signs, lights, safety devices, etc., and take all other measures necessary for traveling public's safety. While providing traffic control, the needs and control of all road users [motorists, bicyclists and pedestrians, including persons with disabilities in accordance with the Americans with Disabilities Act of 1990 (ADA)] shall be an essential part of the work activity.

Day and night time lane closures shall comply with the California Manual on Uniform Traffic Control Devices (Part 6, Temporary Traffic Control), Standard Plans, and Standard Specifications for traffic control systems. These General Provisions are not intended to impose upon the permittee, by third parties, any duty or standard of care, greater than or different from, as required by law.
15. **MINIMUM INTERFERENCE WITH TRAFFIC:** Permittee shall plan and conduct work so as to create the least possible inconvenience to the traveling public; traffic shall not be unreasonably delayed. On conventional highways, permittee shall place properly attired flagger(s) to stop or warn the traveling public in compliance with the California Manual on Uniform Traffic Control Devices (Chapter 6E, Flagger Control).
16. **STORAGE OF EQUIPMENT AND MATERIALS:** The storage of equipment or materials is not allowed within State highway right-of-way, unless specified within the Special Provisions of this specific encroachment permit. If Encroachment Permit Special Provisions allow for the storage of equipment or materials within the State right of way, the equipment and material storage shall comply with Standard Specifications, Standard Plans, Special Provisions, and the Highway Design Manual. The clear recovery zone widths must be followed and are the minimum desirable for the type of facility indicated below: freeways and expressways - 30', conventional highways (no curbs) - 20', conventional highways (with curbs) - 1.5'. If a fixed object cannot be eliminated, moved outside the clear recovery zone, or modified to be made yielding, it should be shielded by a guardrail or a crash cushion.
17. **CARE OF DRAINAGE:** Permittee shall provide alternate drainage for any work interfering with an existing drainage facility in compliance with the Standard Specifications, Standard Plans and/or as directed by the Department's representative.
18. **RESTORATION AND REPAIRS IN RIGHT OF WAY:** Permittee is responsible for restoration and repair of State highway right of way resulting from permitted work (State Streets and Highways Code, Sections 670 et. seq.).

19. **RIGHT OF WAY CLEAN UP:** Upon completion of work, permittee shall remove and dispose of all scraps, brush, timber, materials, etc. off the right of way. The aesthetics of the highway shall be as it was before work started.
20. **COST OF WORK:** Unless stated in the permit, or a separate written agreement, the permittee shall bear all costs incurred for work within the State right of way and waives all claims for indemnification or contribution from the State.
21. **ACTUAL COST BILLING:** When specified in the permit, the Department will bill the permittee actual costs at the currently set hourly rate for encroachment permits.
22. **AS-BUILT PLANS:** When required, permittee shall submit one (1) set of folded as-built plans within thirty (30) days after completion and approval of work in compliance with requirements listed as follows:
 1. Upon completion of the work provided herein, the permittee shall send one vellum or paper set of As-Built plans, to the State representative. Mylar or paper sepia plans are not acceptable.
 2. All changes in the work will be shown on the plans, as issued with the permit, including changes approved by Encroachment Permit Rider.
 3. The plans are to be stamped or otherwise noted AS-BUILT by the permittee's representative who was responsible for overseeing the work. Any original plan that was approved with a State stamp, or Caltrans representative signature, shall be used for producing the As-Built plans.
 4. If As-Built plans include signing or striping, the dates of signing or striping removal, relocation, or installation shall be shown on the plans when required as a condition of the permit. When the construction plans show signing and striping for staged construction on separate sheets, the sheet for each stage shall show the removal, relocation or installation dates of the appropriate staged striping and signing.
 5. As-Built plans shall contain the Permit Number, County, Route, and Post Mile on each sheet.
 6. Disclaimer statement of any kind that differ from the obligations and protections provided by Sections 6735 through 6735.6 of the California Business and Professions Code, shall not be included on the As-Built plans. Such statements constitute non-compliance with Encroachment Permit requirements, and may result in the Department of Transportation retaining Performance Bonds or deposits until proper plans are submitted. Failure to comply may also result in denial of future permits, or a provision requiring a public agency to supply additional bonding.
23. **PERMITS FOR RECORD PURPOSES ONLY:** When work in the right of way is within an area under a Joint Use Agreement (JUA) or a Consent to Common Use Agreement (CCUA), a fee exempt permit is issued to the permittee for the purpose of providing a notice and record of work. The Permittee's prior rights shall be preserved without the intention of creating new or different rights or obligations. "Notice and Record Purposes Only" shall be stamped across the face of the permit.
24. **BONDING:** The permittee shall file bond(s), in advance, in the amount set by the Department. Failure to maintain bond(s) in full force and effect will result in the Department stopping of all work and revoking permit(s). Bonds are not required of public corporations or privately owned utilities, unless permittee failed to comply with the provision and conditions under a prior permit. The surety company is responsible for any latent defects as provided in California Code of Civil Procedures, Section 337.15. Local agency permittee shall comply with requirements established as follows: In recognition that project construction work done on State property will not be directly funded and paid by State, for the purpose of protecting stop notice claimants and the interests of State relative to successful project completion, the local agency permittee agrees to require the construction contractor furnish both a payment and performance bond in the local agency's name with both bonds complying with the requirements set forth in Section 3-1.02 of State's current Standard Specifications before performing any project construction work. The local agency permittee shall defend, indemnify, and hold harmless the State, its officers and employees from all project construction related claims by contractors and all stop notice or mechanic's lien claimants. The local agency also agrees to remedy, in a timely manner and to State's satisfaction, any latent defects occurring as a result of the project construction work.
25. **FUTURE MOVING OF INSTALLATIONS:** Permittee understands and agrees to relocate a permitted installation upon notice by the Department. Unless under prior property right or agreement, the permittee shall comply with said notice at his sole expense.
26. **ARCHAEOLOGICAL/HISTORICAL:** If any archaeological or historical resources are revealed in the work vicinity, the permittee shall immediately stop work, notify the Department's representative, retain a qualified archaeologist who shall evaluate the site, and make recommendations to the Department representative regarding the continuance of work.
27. **PREVAILING WAGES:** Work performed by or under a permit may require permittee's contractors and subcontractors to pay appropriate prevailing wages as set by the Department of Industrial Relations. Inquiries or requests for interpretations relative to enforcement of prevailing wage requirements are directed to State of California Department of Industrial Relations, 525 Golden Gate Avenue, San Francisco, California 94102.
28. **RESPONSIBILITY FOR DAMAGE:** The State of California and all officers and employees thereof, including but not limited to the Director of Transportation and the Deputy Director, shall not be answerable or accountable in any manner for injury to or death of any person, including but not limited to the permittee, persons employed by the permittee, persons acting in behalf of the permittee, or for damage to property from any cause. The permittee shall be responsible for any liability imposed by law and for injuries to or death of any person, including but not limited to the permittee, persons employed by the permittee, persons acting in behalf of the permittee, or for damage to property arising out of work, or other activity permitted and done by the permittee under a permit, or arising out of the failure on the permittee's part to perform his obligations under any permit in respect to maintenance or any other obligations, or resulting from defects or obstructions, or from any cause whatsoever during the progress of the work, or other activity or at any subsequent time, work or other activity is being performed under the obligations provided by and contemplated by the permit.

The permittee shall indemnify and save harmless the State of California, all officers, employees, and State's contractors, thereof, including but not limited to the Director of Transportation and the Deputy Director, from all claims, suits or actions of every name, kind and description brought for or on account of injuries to or death of any person, including but not limited to the permittee, persons employed by the permittee, persons acting in behalf of the permittee and the public, or damage to property resulting from the performance of work or other activity under the permit, or arising out of the failure on the permittee's part to perform his obligations under any permit in respect to maintenance or any other obligations, or resulting from defects or obstructions, or from any cause whatsoever during the progress of the work, or other activity or at any subsequent time, work or other activity is being performed under the obligations provided by and contemplated by the permit, except as otherwise provided by statute.

The duty of the permittee to indemnify and save harmless includes the duties to defend as set forth in Section 2778 of the Civil Code. The permittee waives any and all rights to any type of expressed or implied indemnity against the State, its officers, employees, and State contractors. It is the intent of the parties that the permittee will indemnify and hold harmless the State, its officers, employees, and State's contractors, from any and all claims, suits or actions as set forth above regardless of the existence or degree of fault or negligence, whether active or passive, primary or secondary, on the part of the State, the permittee, persons employed by the permittee, or acting on behalf of the permittee.

For the purpose of this section, "State's contractors" shall include contractors and their subcontractors under contract to the State of California performing work within the limits of this permit.

29. **NO PRECEDENT ESTABLISHED:** This permit is issued with the understanding that it does not establish a precedent.
30. **FEDERAL CIVIL RIGHTS REQUIREMENTS FOR PUBLIC ACCOMMODATION:**
A. The permittee, for himself, his personal representative, successors in interest, and assigns as part of the consideration hereof, does hereby covenant and agree that:
1. No person on the grounds of race, color, or national origin shall be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities.
 2. That in connection with the construction of any improvements on said lands and the furnishings of services thereon, no discrimination shall be practiced in the selection and retention of first-tier subcontractors in the selection of second-tier subcontractors.
 3. That such discrimination shall not be practiced against the public in their access to and use of the facilities and services provided for public accommodations (such as eating, sleeping, rest, recreation), and operation on, over, or under the space of the right of way.
 4. That the permittee shall use the premises in compliance with all other requirements imposed pursuant to Title 15, Code of Federal Regulations, Commerce and Foreign Trade, Subtitle A. Office of the Secretary of Commerce, Part 8 (15 C.F.R. Part 8) and as said Regulations may be amended.
 5. That in the event of breach of any of the above nondiscrimination covenants, the State shall have the right to terminate the permit and to re-enter and repossess said land and the land and the facilities thereon, and hold the same as if said permit had never been made or issued.
31. **MAINTENANCE OF HIGHWAYS:** The permittee agrees, by acceptance of a permit, to properly maintain any encroachment. This assurance requires the permittee to provide inspection and repair any damage, at permittee's expense, to State facilities resulting from the encroachment.
32. **SPECIAL EVENTS:** In accordance with subdivision (a) of Streets and Highways Code Section 682.5, the Department of Transportation shall not be responsible for the conduct or operation of the permitted activity, and the applicant agrees to defend, indemnify, and hold harmless the State and the city or county against any and all claims arising out of any activity for which the permit is issued.
- The permittee understands and agrees to comply with the obligations of Titles II and III of the Americans with Disabilities Act of 1990 in the conduct of the event, and further agrees to indemnify and save harmless the State of California, all officers and employees thereof, including but not limited to the Director of Transportation, from any claims or liability arising out of or by virtue of said Act.
33. **PRIVATE USE OF RIGHT OF WAY:** Highway right of way shall not be used for private purposes without compensation to the State.

The gifting of public property use and therefore public funds is prohibited under the California Constitution, Article 16.

34. **FIELD WORK REIMBURSEMENT:** Permittee shall reimburse State for field work performed on permittee's behalf to correct or remedy hazards or damaged facilities, or clear debris not attended to by the permittee.
35. **NOTIFICATION OF DEPARTMENT AND TMC:** The permittee shall notify the Department's representative and the Transportation Management Center (TMC) at least 7 days before initiating a lane closure or conducting an activity that may cause a traffic impact. A confirmation notification should occur 3 days before closure or other potential traffic impacts. In emergency situations when the corrective work or the emergency itself may affect traffic, TMC and the Department's representative shall be notified as soon as possible.
36. **SUSPENSION OF TRAFFIC CONTROL OPERATION:** The permittee, upon notification by the Department's representative, shall immediately suspend all lane closure operations and any operation that impedes the flow of traffic. All costs associated with this suspension shall be borne by the permittee.
37. **UNDERGROUND SERVICE ALERT (USA) NOTIFICATION:** Any excavation requires compliance with the provisions of Government Code Section 4216 et. seq., including, but not limited to notice to a regional notification center, such as Underground Service Alert (USA). The permittee shall provide notification at least 48 hours before performing any excavation work within the right of way.

CITY	COUNTY	ROUTE	POST MILE	TOTAL MILE	DATE

APPROVED CIVIL ENGINEER

APR 11 19, 2013

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

THE DIVISION OF HIGHWAYS

THE DIVISION OF TRAFFIC ENGINEERING

THE DIVISION OF PLANNING

THE DIVISION OF DESIGN

THE DIVISION OF CONSTRUCTION

THE DIVISION OF MAINTENANCE

THE DIVISION OF RESEARCH

THE DIVISION OF SAFETY

THE DIVISION OF TRAINING

THE DIVISION OF PUBLIC AFFAIRS

THE DIVISION OF RECORDS & COMMUNICATIONS

THE DIVISION OF INFORMATION TECHNOLOGY

THE DIVISION OF LEGAL COUNSEL

THE DIVISION OF FINANCE & ADMINISTRATION

THE DIVISION OF PERSONNEL

THE DIVISION OF OPERATIONS

THE DIVISION OF PLANNING

THE DIVISION OF DESIGN

THE DIVISION OF CONSTRUCTION

THE DIVISION OF MAINTENANCE

THE DIVISION OF RESEARCH

THE DIVISION OF SAFETY

THE DIVISION OF TRAINING

THE DIVISION OF PUBLIC AFFAIRS

THE DIVISION OF RECORDS & COMMUNICATIONS

THE DIVISION OF INFORMATION TECHNOLOGY

THE DIVISION OF LEGAL COUNSEL

THE DIVISION OF FINANCE & ADMINISTRATION

THE DIVISION OF PERSONNEL

THE DIVISION OF OPERATIONS

TO ACCOMPANY PLANS DATED

TABLE 3

ROAD TYPE	ADVANCE WARNING SIGN SPACING		
	A	B	C
URBAN - 35 mph OR LESS	100	100	100
URBAN - MORE THAN 35 mph TO 40 mph	100	100	100
URBAN - MORE THAN 40 mph	250	1250	250
RURAL	350	1350	350
EXPRESSWAY / FREEWAY	500	1500	500
	1000	1500	2640

* - The distances are appropriate, are intended for guidance purposes only, and should be adjusted by the Engineer for field conditions. These distances should be adjusted by the Engineer for field conditions, if necessary, by increasing or decreasing the recommended distances.

TABLE 2

SPEED * mph	LONGITUDINAL BUFFER SPACE AND FLAGGER STATION SPACING		
	MIN D **	DOWNGRADE MIN D ***	
		-3%	-6%
20	115	116	120
25	155	158	165
30	200	205	215
35	250	257	271
40	305	315	333
45	360	378	400
50	425	446	474
55	495	520	553
60	570	598	638
65	648	682	728
70	730	771	825

* - Speed is posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

** - Longitudinal buffer space or flagger station spacing and longer than 1 mile.

*** - Use on sustained downgrade steeper than -3 percent

TABLE 1

SPEED (S)	TAPER LENGTH CRITERIA AND CHANNELIZING DEVICE SPACING			
	MINIMUM TAPER LENGTH * FOR WIDTH OF OFFSET 12 FEET (H)		MAXIMUM CHANNELIZING DEVICE SPACING	
	TANGENT 2L	SHIFTING L/2	SHOULDER L/3	TAPER TANGENT CONFLICT
20	160	40	27	20
25	200	50	34	25
30	240	60	41	30
35	280	70	48	35
40	320	80	55	40
45	360	90	62	45
50	400	100	70	50
55	440	110	78	55
60	480	120	86	60
65	520	130	94	65
70	560	140	102	70

* - For other offsets, use the following taper length formula for L:
For speed of 40 mph or less, $L = 15S^2/60$
For speed of 45 mph or more, $L = 15S$

Where L = Taper length in feet

S = Posted speed limit, off-peak 85th-percentile

speed prior to work starting, or the anticipated operating speed in mph

** - Use for taper and tangent sections where there are no pavement markings or where there is a conflict between existing pavement markings and channelizers (CA).

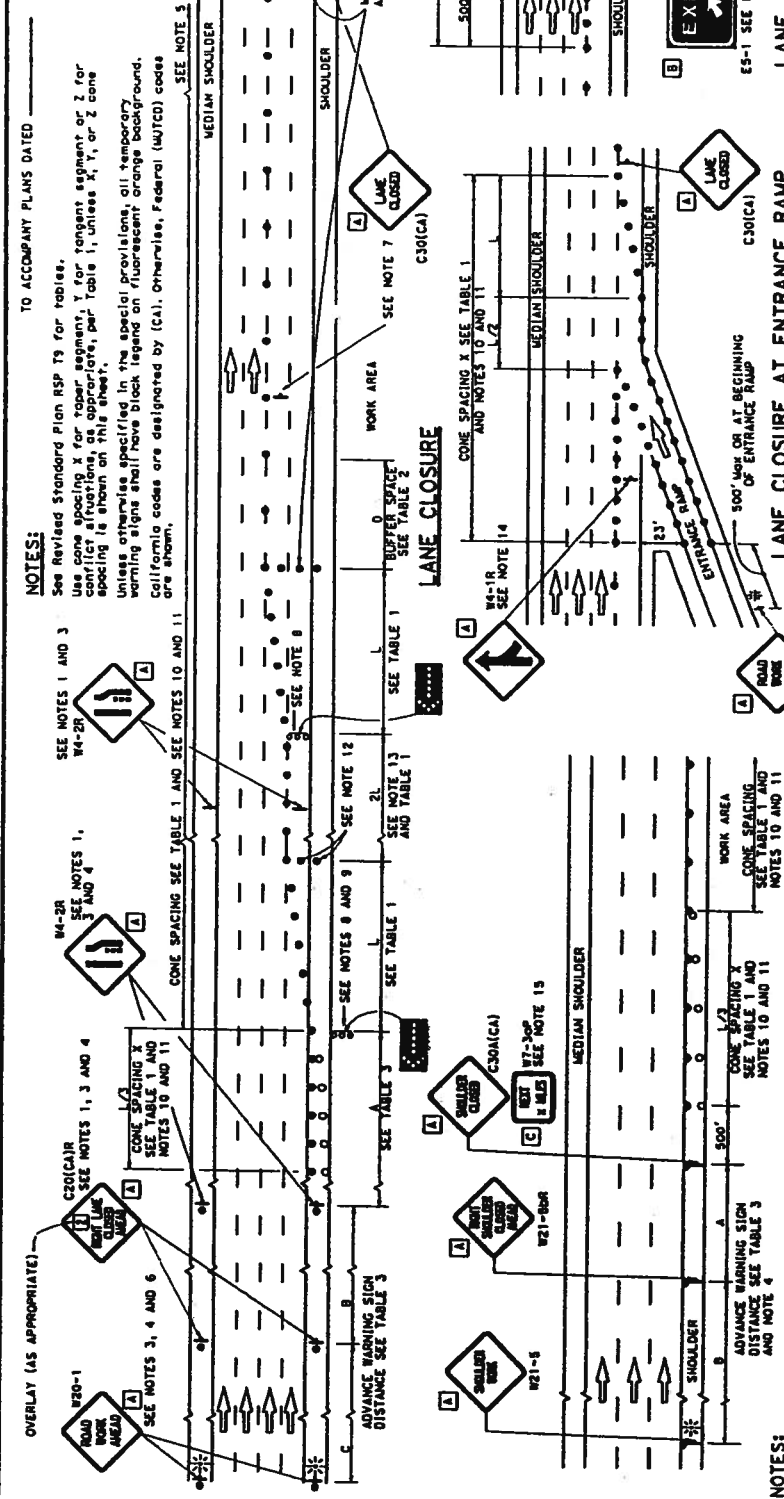
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM
FOR LANE CLOSURE ON
FREEWAYS AND EXPRESSWAYS

NO SCALE

RSP T9 DATED APRIL 19, 2013 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T9



- a) All lighting lane closures shall conform to the requirements of the Manual on Uniform Traffic Control Devices (MUTCD).
- b) At least one person shall be assigned to control traffic for lane closures.
3. Duplicate sign iterations are not required:
 - a) on opposite shoulder if at least one sign can be visible from the opposite lane
 - b) in the median if the width of the median shoulder is less than 8' and the outside lanes are to be closed.
4. Each advance warning sign on each side of the roadway shall be equipped with at least two flags for daytime closure. Each sign shall be 36" x 48" in size, 18" in height and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
5. A C-20-3 "NO ROAD AHEAD" sign, with minimum size of 48" x 24" as appropriate, shall be placed at the end of the closure during the end of work area is obvious or close within a larger project's limits.

6. If the #20-1 sign would follow within 2000' of a stationing or segment road work next to the #125-1 sign, the #125-1 sign for the first advance warning sign.
7. Place a C302(A) sign every 2000' throughout length of lane closure.
8. One flashing arrow sign for each lane closed. The flashing arrow signs shall be Type 1.
9. A minimum 1500' of sight distance shall be provided where possible for vehicles approaching the first flashing arrow sign. The flashing arrow sign shall be placed at a crest vertical curve or on a horizontal curve.
10. All cones used for lane closures during the hours of darkness shall be reflective with retroreflective bands (or sleeves) as specified in the specifications.
11. Portable delineators, placed at one-half the spacing indicated for traffic cones may be used instead of cones for daytime closures only.

12. Unless otherwise specified in the special provisions, a minimum of 3 cones shall be placed transversely across each closed lane to provide a minimum of 10 feet of clearance across a traffic lane, and every 2000' as shown on the "Lane Closure" detail. Two Type II barricades shall be placed at the ends of the transverse alignment of the cones or barricades on the closed shoulder may be shifted from the transverse alignment to provide access to the work.
13. Unless otherwise specified in the special provisions, the 2L tangent shown along the line shall be used between the L cones required for each closed traffic lane.
14. Unless otherwise specified in the special provisions, the 2S tangent shown along the line shall be used between the L cones required for each closed traffic lane.
15. A "WIP-ADVERT" "MILES" plaque must be used if the distance between the cones is greater than the distance that can be perceived by road users.

LEGEND

TRAFFIC CONE
TRAFFIC CONE (OPTIONAL TAP)
TEMPORARY TRAFFIC CONTROL
FLASHING ARROW SIGN (FAS)
FAS SUPPORT OR TRAILER
PORTABLE FLASHING BEACON

LANE CLOSURE	DATE	TIME	SIGN PANEL SIZE (MIN)

SIGN PANEL SIZE (MIN)

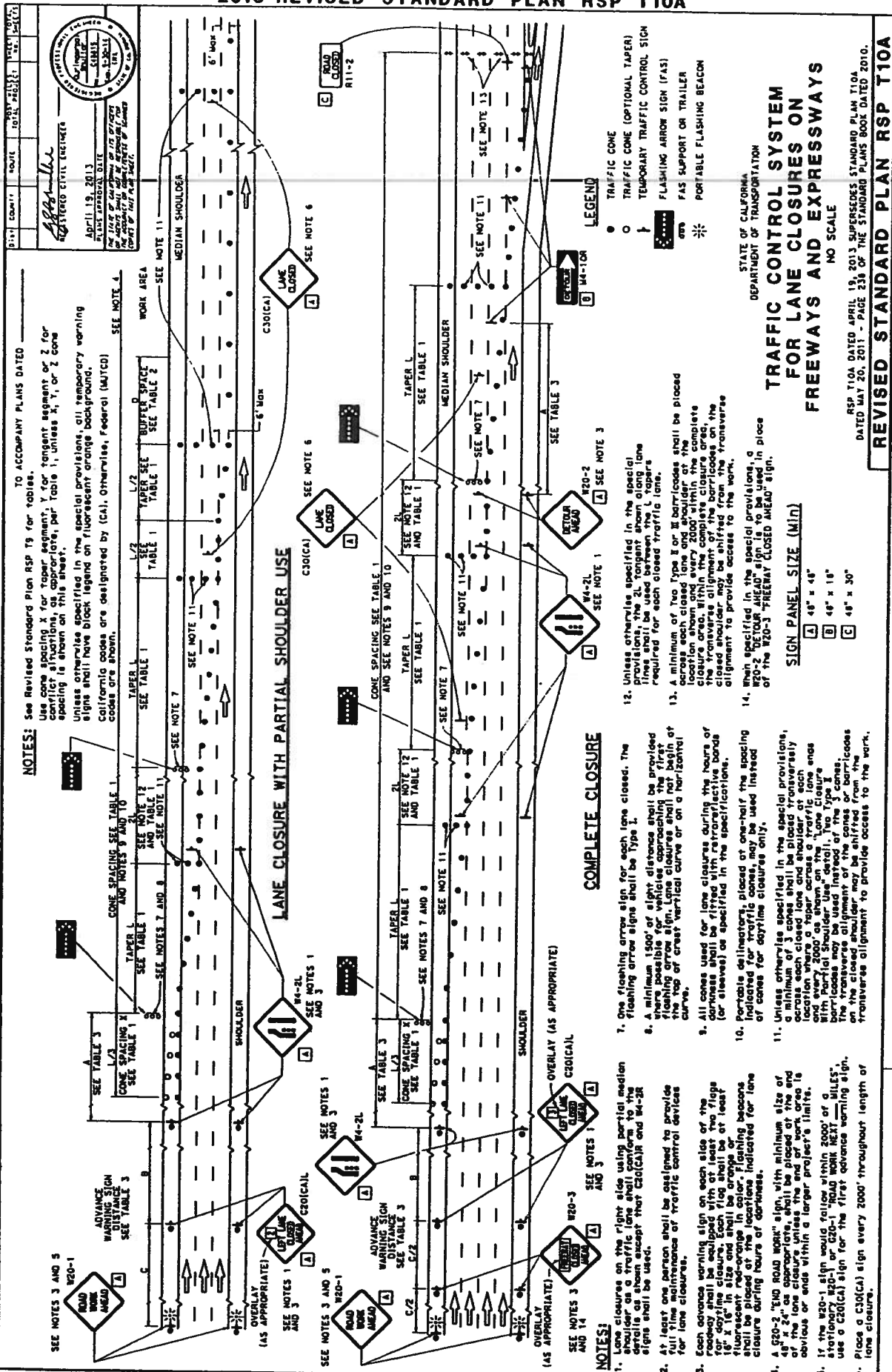
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON FREEWAYS AND EXPRESSWAYS

NO SCALE

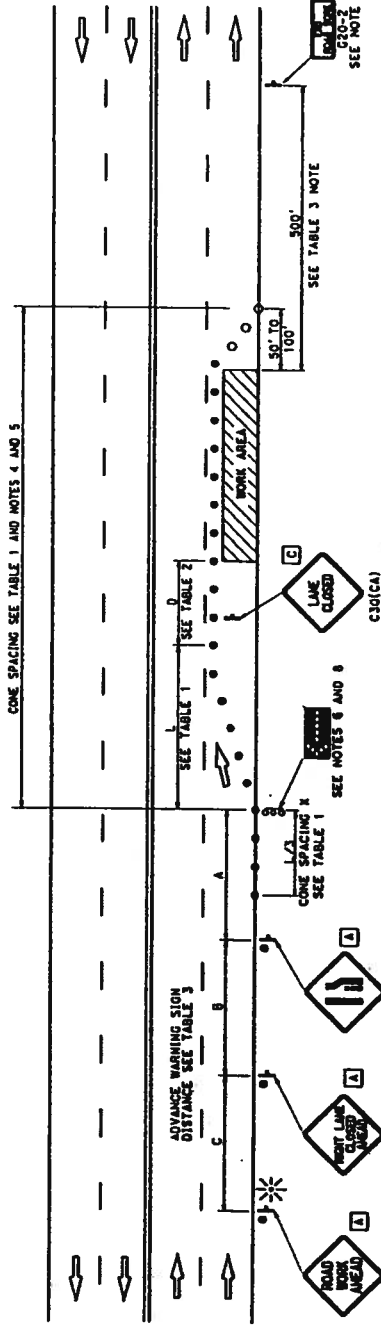
RSP T10 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T10
MAY 20, 2011 - PAGE 237 OF THE STANDARD PLANS BOOK DATED 2010.

REVISÉ STANDARD PLIAN RSP T10



2010 REVISED STANDARD PLAN RSP T11

DATE	PROJECT	DATE	PROJECT
APRIL 19, 2013	SR 49 AT PATTERSON DRIVE INTERSECTION SIGNALIZATION	APRIL 19, 2013	SR 49 AT PATTERSON DRIVE INTERSECTION SIGNALIZATION
THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS DIVISION OF TRAFFIC CONTROL			
TO ACCOMPANY PLANS DATED _____			



NOTES:

See Revised Standard Plan RSP T9 for tables.
 Use cone spacing 1 for taper segment, 1 for tangent segment or 2 for taper segment, 1 for taper segment, 1 for tangent segment or 2 for taper segment, 1 for taper segment, 1 for tangent segment or 2 for taper segment.
 Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on reflective orange background. California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

LEGEND

- TRAFFIC CONE
- TRAFFIC CONE (OPTIONAL TAPER)
- ↑ TEMPORARY TRAFFIC CONTROL SIGN
- FLASHING ARROW SIGN (FAS)
- FAS SUPPORT OR TRAILER
- PORTABLE FLASHING BEACON

SIGN PANEL SIZE (MIN)

- A 48" x 48"
- B 36" x 18"
- C 30" x 30"

TYPICAL LANE CLOSURE

NOTES:

- Each advance warning sign shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be reflective orange-red-orange in color. Flashing beacons shall be placed on the signs indicated for lane closure during hours of darkness.
- A W20-2 "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane closure and at the end of the project, or at the end of a larger project's limit.
- If the W20-1 sign would follow within 2000' of a stationary W20-1 or W20-2 "ROAD WORK NEXT AHEAD" sign, use a C30(CA) sign for the first advance warning sign.
- All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
- Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
- Flashing arrow sign shall be either Type I or Type II. For approach speeds over 50 mph, use the "Traffic Control System for Lane Closure On Freeways and Expressways" plan for lane closure details and requirements.
- A minimum 1500' of sight distance shall be provided where possible for vehicles approaching the first flashing arrow sign. Lane closures shall not begin at the top of a crest vertical curve or on a horizontal curve.
- Place a C30(CA) sign every 2000' throughout length of lane closure.
- Median lane closures shall conform to the details as shown except that C20(CA) and W20-2 signs shall be used.
- At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closure unless, otherwise directed by the engineer.

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON MULTILANE CONVENTIONAL HIGHWAYS

NO SCALE

RSP T11 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T11 DATED MAY 20, 2011 - PAGE 239 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T11

DATE	COUNTY	ROUTE	POST MILE	SECTION	DATE

APPROVED CIVIL ENGINEER

APRIL 19, 2013

PLANS APPROVAL DATE

THE DATE OF CLOSURE ON ITS EFFECT

THE DATE OF CLOSURE ON ITS EFFECT

DATE OF THIS PLAN SHEET

NOTES:

See Revised Standard Plan RSP T9 for tables.

Use cone spacing X for taper segment, Y for tangent segment or Z for conflict area, or cone spacing per Table 1, unless A, Y, or Z cone spacing is shown on this sheet.

Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background.

California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

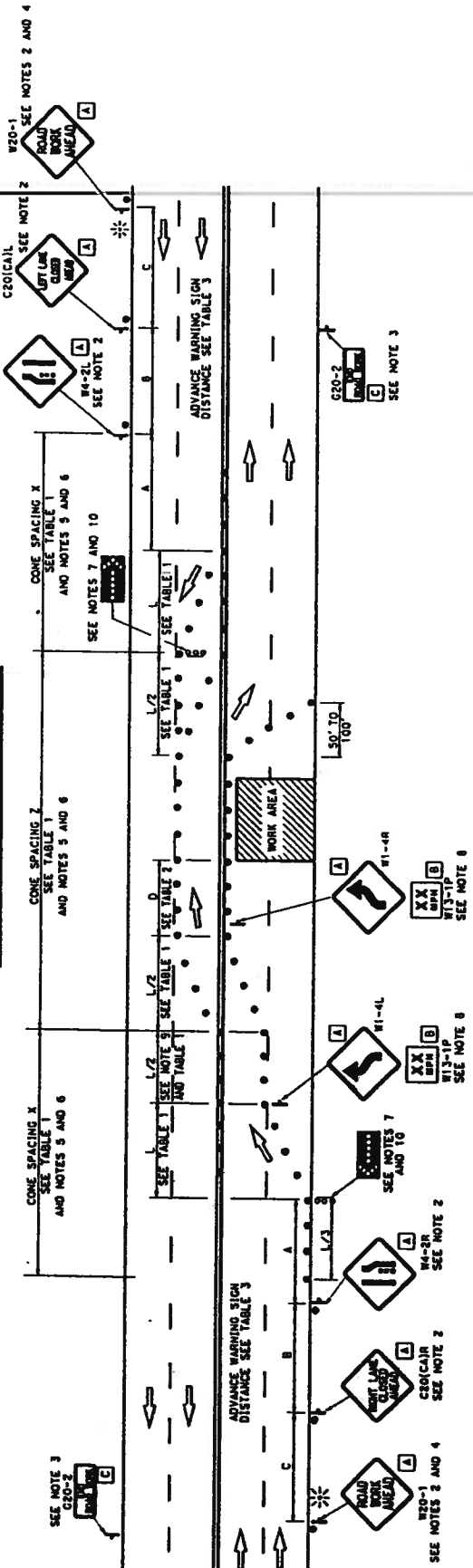
SIGN PANEL SIZE (MIN)

- A 48" x 48"
- B 24" x 24"
- C 36" x 18"

LEGEND

- TRAFFIC CONE
- TEMPORARY TRAFFIC CONTROL SIGN
- FLASHING ARROW SIGN (FAS)
- FAS SUPPORT OR TRAILER
- PORTABLE FLASHING BEACON

TYPICAL HALF ROAD CLOSURE



NOTES:

- At least one person shall be assigned to provide full time maintenance of traffic control devices for the closure unless, otherwise directed by the Engineer.
- Each advance warning sign in each direction shall be placed at the end of the taper segment. Each sign shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing arrow signs shall be placed at the locations indicated for lane closure during hours of darkness.
- A W20-1 sign would follow within 200' of a temporary W20-1 or W20-2. ROAD WORK NEXT sign shall be placed at the end of the taper segment. A circular sign for the first advance warning sign.
- All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
- Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
- Flasher arrow signs shall be either Type I or Type II.
- Advisory speed will be determined by the Engineer. The W13-1P sign will not be used when the speed is more than the posted or maximum speed limit.
- Unless otherwise specified in the special provisions, the tangent (L/2) shall be used.
- A minimum 150' of sight distance shall be provided for the first advance warning sign. The first advance warning sign shall be placed at the top of the first vertical curve or on a horizontal curve.

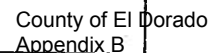
TRAFFIC CONTROL SYSTEM FOR HALF ROAD CLOSURE ON MULTILANE CONVENTIONAL HIGHWAYS AND EXPRESSWAYS

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

NO SCALE

RSP T12 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T12 DATED MAY 20, 2011 - PAGE 240 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T12



DATE	COUNTY	ROUTE	POST MILE	PROJECT NO.
APRIL 19, 2013	EL PASO	SR 49	10.5	100000000
REGISTERED CIVIL ENGINEER APRIL 19, 2013 PLUS EXPIRATION DATE NO WORK ON CALIFORNIA OR ITS DEPENDENT TERRITORIES OR IN ANY OTHER STATE OR TERRITORY OF THE UNITED STATES WITHOUT THE WRITTEN CONSENT OF THE BOARD OF REGISTRATION				

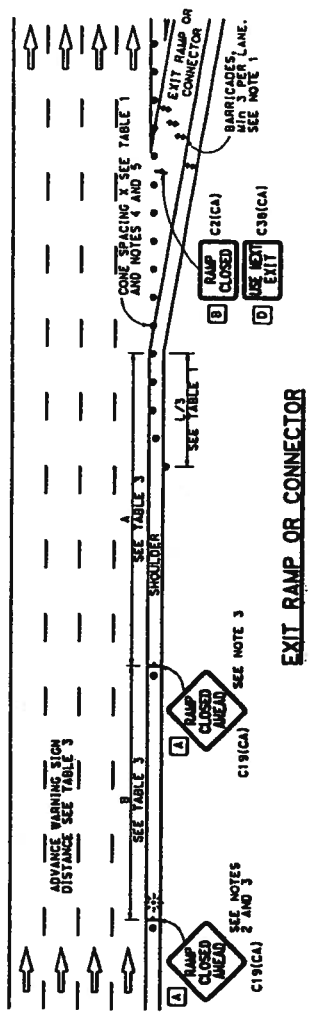
SIGN PANEL SIZE (MIN)

- A 48" x 48"
- B 48" x 30"
- C 36" x 36"
- D 48" x 36"

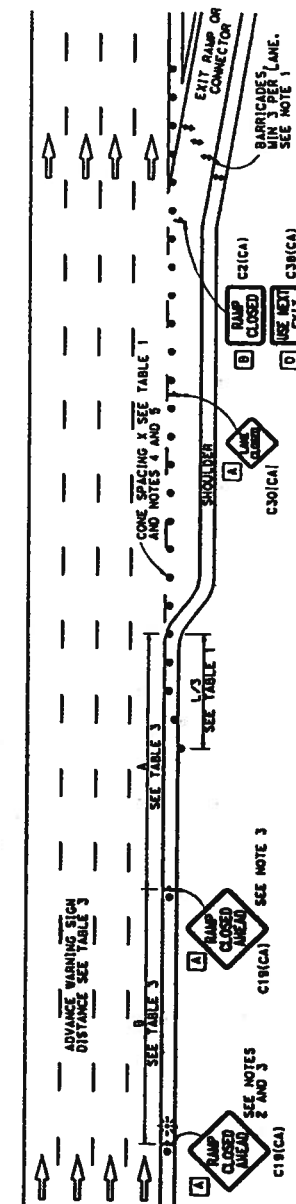
LEGEND

- TRAFFIC CONE
- TEMPORARY TRAFFIC CONTROL SIGN
- BARRICADES
- PORTABLE FLASHING BEACON

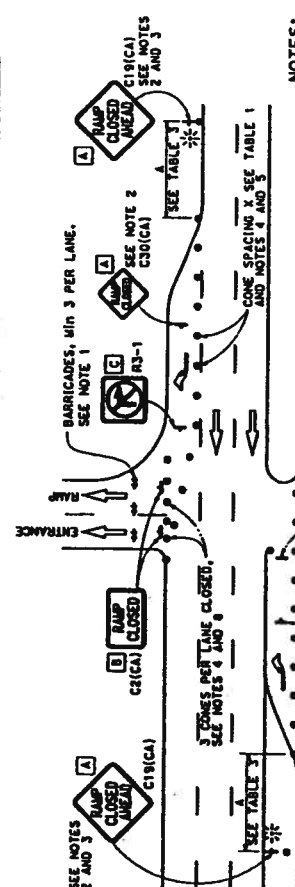
TYPICAL RAMP CLOSURES



EXIT RAMP OR CONNECTOR



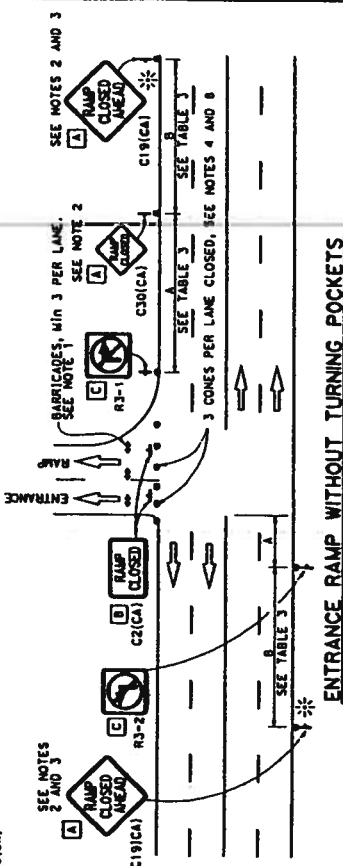
EXIT RAMP OR CONNECTOR WITH ADDITIONAL LANE



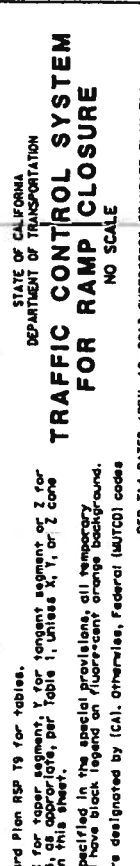
NOTES:

See Revised Standard Plan RSP T9 for tables.
 Spacing for taper segment, 1 for taper segment or 2 for taper segment, per Table 1; unless 1, 1, or 2 cone spacing is shown on this sheet.
 Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background. California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

ENTRANCE RAMP WITH TURNING POCKETS



ENTRANCE RAMP WITHOUT TURNING POCKETS

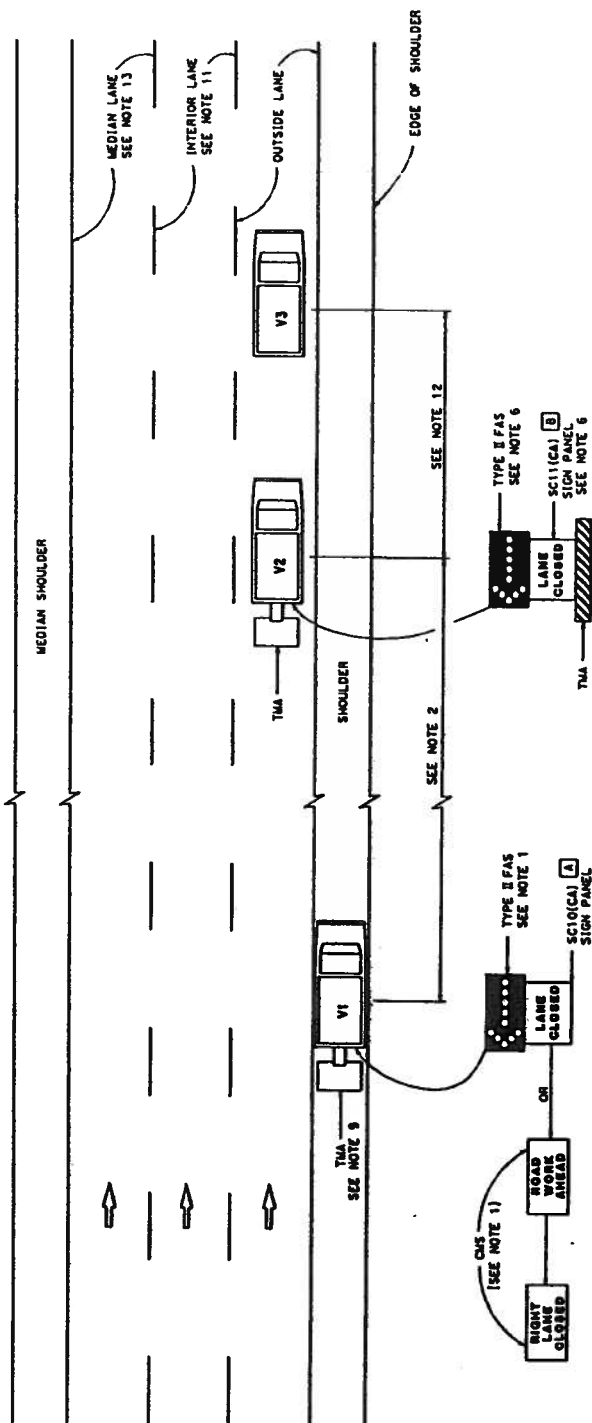


TRAFFIC CONTROL SYSTEM FOR RAMP CLOSURE

NO SCALE

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

REVISED STANDARD PLAN RSP T14
 DATED MAY 20, 2011 - PAGE 242 OF THE STANDARD PLANS BOOK DATED 2010.



MOVING LANE CLOSURE ON MEDIAN LANE OR OUTSIDE LANE OF MULTILANE HIGHWAYS

NOTES:

1. Either a changeable message sign or a 5510(c)(3) sign panel and a Type II flashing arrow sign shall be mounted on the rear of sign vehicle V1. The changeable message sign shall be controlled by the vehicle-mounted message V1, as indicated by the flashing arrow sign. The message "V1" shall be displayed on the rear of sign vehicle V1. The flashing arrow sign shall be reversed when the flashing arrow sign is illuminated. The changeable message sign shall have a 5510(c)(3) sign.
2. If traffic volume develops, sign vehicle V1 should be positioned upstream from the end of queue. Sign vehicle V1 shall be positioned where highly visible when shoulders are not available.
3. A minimum sight distance of 1500' should be provided in advance of sign vehicle V1.
 - a. Sign vehicle V1 should remain at the beginning of horizontal or vertical curves until the other vehicles (V2 and V3) are far enough beyond the curve to reduce the minimum sight distance of 1500'.
 - b. Vehicle-mounted sign panel shall have Type II or III vehicle-mounted message, black on white, or black on fluorescent yellow-green, as specified in the series B letters per California sign specifications.
4. When the queue is cleared, sign vehicle V1 should be positioned at the rear of the queue. Sign vehicle V1 shall be positioned where highly visible when shoulders are not available.
5. When the queue is cleared, sign vehicle V1 should be positioned at the rear of the queue. Sign vehicle V1 shall be positioned where highly visible when shoulders are not available.
6. Shadow vehicle V2 shall be equipped with a changeable message sign and a Type II flashing arrow sign, and a Type II flashing arrow sign on the rear of shadow vehicle V2. For median lane closure the flashing arrow sign symbol shall be displayed with the arrowhead on the right.
7. All vehicles used for lane closures shall be equipped with two-way radios, and the vehicle operators shall maintain communication during the work or application operation.
8. All vehicles shall be equipped with flashing or rotating amber lights.
 - a. If sign vehicle V1 encroaches into the flashing lane due to insufficient shoulder width, sign vehicle V1 shall be equipped with flashing amber lights. Sign vehicle V1 shall stay as close to the edge of shoulder as practicable.
 - b. Where workers could be on foot in the work area, a stationary type lane closure (Revised Standard Plan T10, T11, etc., as applicable) shall be used instead of this plan.
9. The spacing between work vehicle(s) and the shadow vehicles, and between each shadow vehicle should be minimized to deter road users from driving in between.
10. When the work/application vehicle V3 occupies the median lane, sign vehicle V1 should drive in the median shoulder and indicate left lane closed ahead.
11. For moving lane closures on interior lane of multi-lane highways, use Revised Standard Plan T15.
12. The spacing between work vehicle(s) and the shadow vehicles, and between each shadow vehicle should be minimized to deter road users from driving in between.
13. When the work/application vehicle V3 occupies the median lane, sign vehicle V1 should drive in the median shoulder and indicate left lane closed ahead.

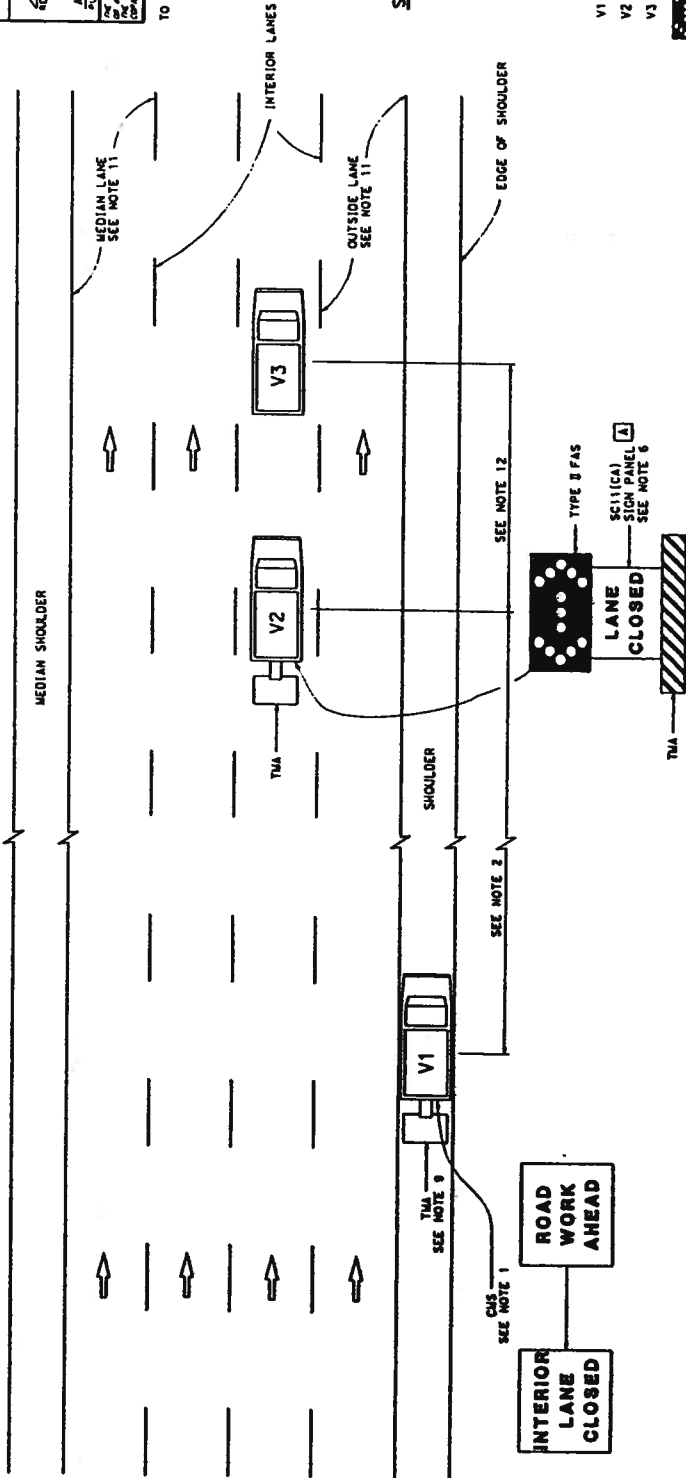
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR MOVING LANE CLOSURE ON MULTILANE HIGHWAYS

NO SCALE

RS^D T15 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T15
DATED MAY 20, 2011 - PAGE 243 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T15



SIGN PANEL SIZE (MIN)

- | LEGEND | |
|--------|---|
| V1 | SIGN VEHICLE |
| V2 | SHADOW VEHICLE |
| V3 | WORK/APPLICATION VEHICLE |
| | FLASHING ARROW SIGN (FAS)
IN FLASHING DOUBLE ARROW |
| | CHANGABLE MESSAGE SIGN |
| | TRUCK-MOUNTED ATTENUATOR |

MOVING LANE CLOSURE ON INTERIOR LANE OF MULTILANE HIGHWAYS

1. A changeable message sign shall be mounted on the rear of sign vehicle VI. The changeable message sign shall be sequenced to show the "AHEAD ROAD AHEAD" message, the "MESSAGE CENTER LANE CLOSED" message, and the "MESSAGE CENTER LANE CLOSED" message.
2. If traffic queues develop, sign vehicle VI should be positioned upstream from the end of the queue. Sign vehicle VI shall be positioned where highly visible when barriers are not available.
3. A minimum sight distance of 1500' should be provided in advance of sign vehicle VI.
4. Sign vehicle VI should remain at the beginning of the queue until the other vehicles (V2 and V3) are far enough back in the queue to resume the minimum sight distance of 1500'.
5. Vehicle-mounted sign panels shall have Type III or above retroreflective sheeting, black on white, or black on fluorescent orange, with 6" minimum series 2 letters per California sign specifications.

6. Shadow vehicle V2 shall be equipped with a truck-mounted attenuator. The sign panel shown and a Type II flashing attenuator shall be mounted on the rear of shadow vehicle V2.
7. All vehicles used for lane closures shall be equipped with two-way radios and the vehicles shall be able to maintain communication during the work or application operation.
8. All vehicles shall be equipped with flashing or rotating amber lights.
9. If an incident vehicle VI encroaches into the traffic lane due to insufficient shoulder width, sign vehicle V1 shall be equipped with a truck-mounted attenuator. Sign vehicle V1 shall stay as close to the edge of shoulder as practicable.

10. where workers would be on foot in the work area, a stationary shadow vehicle, or other means, such as a flag, etc., shall be used instead of this plan;
11. for routing lane closures on multi-lane or multi-lane highway, use Revised Standard Plan T11-10.1;
12. the spacing between work vehicle(s) and the shadow vehicles, and between each shadow vehicle should be minimized to deter road users from driving in between.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL SYSTEM
FOR MOVING LANE CLOSURE
ON MULTILANE HIGHWAYS**

NO SCALE

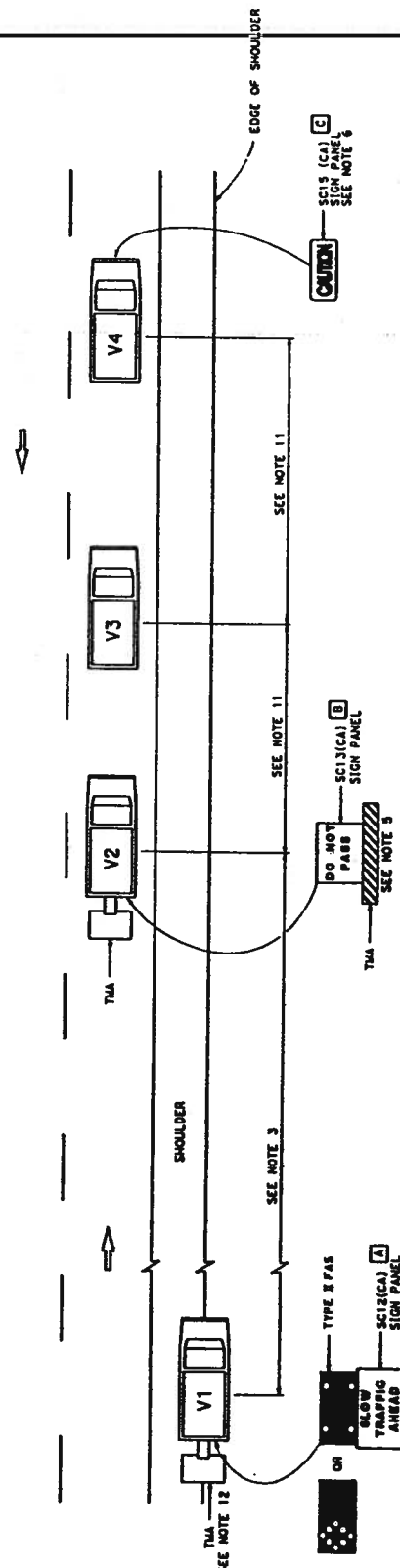
RSP 716 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T16
DATED MAY 20, 2011 - PAGE 244 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T16

2010 REVISED STANDARD PLAN RSP T17

DATE	10/19/2013	SCALE	1" = 40'
COUNTY	EL DORADO	PROJECT	SR 49 AT PATTERSON DRIVE INTERSECTION
APRIL 19, 2013 THE STATE OF CALIFORNIA FOR THE COUNTY OF EL DORADO I, DAVID L. SMITH, A PROFESSIONAL ENGINEER LICENSE NO. 10000, DO HEREBY CERTIFY THAT I AM THE DESIGNER OF THIS PLAN.			

TO ACCOMPANY PLANS DATED _____



LEGEND

VEHICLE	SIGN VEHICLE	SHADOW VEHICLE	WORK/APPLICATION VEHICLE	SIGN VEHICLE	TRUCK-MOUNTED ATTENUATOR	FLASHING ARROW SIGN (FAS) IN FLASHING CAUTION MODE	FLASHING ARROW SIGN (FAS) IN ALTERNATING DIAMOND CAUTION
V1	72" x 42"						
V2		54" x 42"					
V3			54" x 24"				
V4							

SIGN PANEL SIZE (Min)

TRAFFIC CONTROL SYSTEM FOR MOVING LANE CLOSURE ON TWO LANE HIGHWAYS

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION


NO SCALE

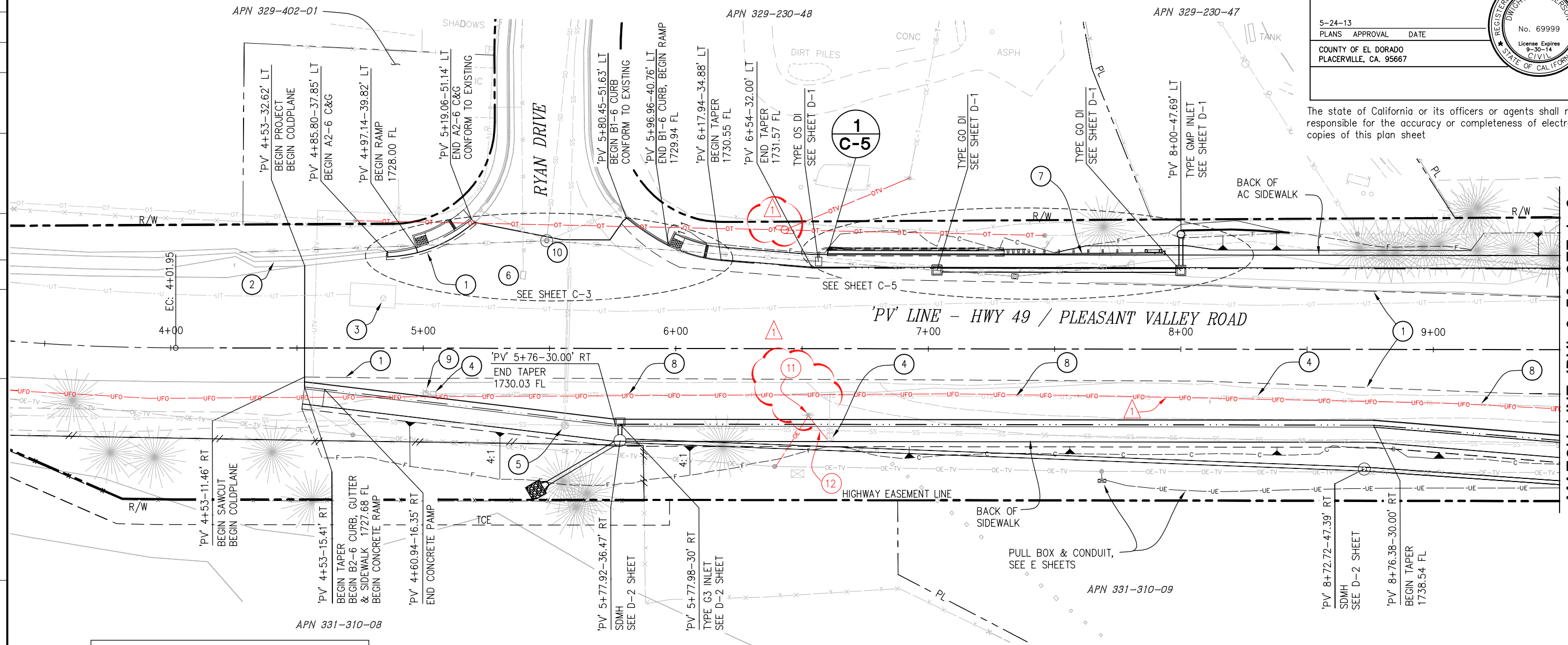
RSP T17 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T17 DATED MAY 20, 2011 - PAGE 245 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T17

NOTES:

1. Either a changeable message sign or a SC12(CA) "SLOW TRAFFIC AHEAD" sign shall be mounted on the rear of sign vehicle V1. The changeable message sign shall be sequenced to show the "CAUTION" message first, followed by the "SLOW TRAFFIC AHEAD" message. A Type B flashing arrow sign may be used with the SC12(CA) sign panel.
2. Sign vehicle V1 should be positioned where highly visible when shoulders are not available.
3. If traffic queues develop, sign vehicle V1 should be positioned upstream from the end of queue.
4. Vehicle-mounted sign panels shall have Type B or above retroreflective sheeting, black on white, or black on fluorescent orange, with a minimum series D letters per California sign specifications.
5. Shadow vehicle shall be equipped with a truck-mounted attenuator. The sign panel shown shall be mounted on the rear of shadow vehicle V2. The message "LANE CLOSED" may be used in place of the "DO NOT PASS" message.
6. The sign panel shown shall be mounted on the front of sign vehicle V4, facing opposing traffic.
7. All vehicles shall be equipped with flashing or rotating amber lights.
8. Sign vehicle V4 will not be required when the work and vehicles V2 and V3 are 2' or more from the centerline of the highway during the work or application operations.
9. All vehicles used for lane closures shall be equipped with two-way radios and the vehicle operators shall maintain communication during the work or application operation.
10. This plan shall not be used where workers would be on foot in the work area. Use a stationary type lane closure (Revised Standard Plan T13) for this condition.
11. Minimize spacing between vehicles V2 and V3 and vehicles V3 and V4 to deter road users from driving in between them.
12. If sign vehicle V1 encroaches into the traffic lane due to insufficient shoulder width, sign vehicle V1 shall be equipped with a truck-mounted attenuator. Sign vehicle V1 shall stay as close to the edge of shoulder as practicable.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	6	46
<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 60%;"> <p><i>Dwight G. Anderson</i></p> <p>REGISTERED CIVIL ENGINEER</p> </div> <div style="width: 35%; text-align: center;">  </div> </div> <p>5-24-13</p> <p>PLANS APPROVAL DATE</p> <p>COUNTY OF EL DORADO PLACERVILLE, CA. 95667</p>					



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
UNDERGROUND FIBER, PROTECT IN PLACE
- 9 REMOVE SIGNAL POLE, FLASHING BEACON AND POLE FOUNDATION. SEE E SHEETS
- 10 SDMH, PROTECT IN PLACE
- 11 REMOVE EXISTING UTILITY POLE
- 12 ABANDON CONDUIT BETWEEN EXISTING UTILITY POLE AND TRAFFIC SIGNAL BOX

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 _____


UNDERGROUND FIBER — UFO —


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

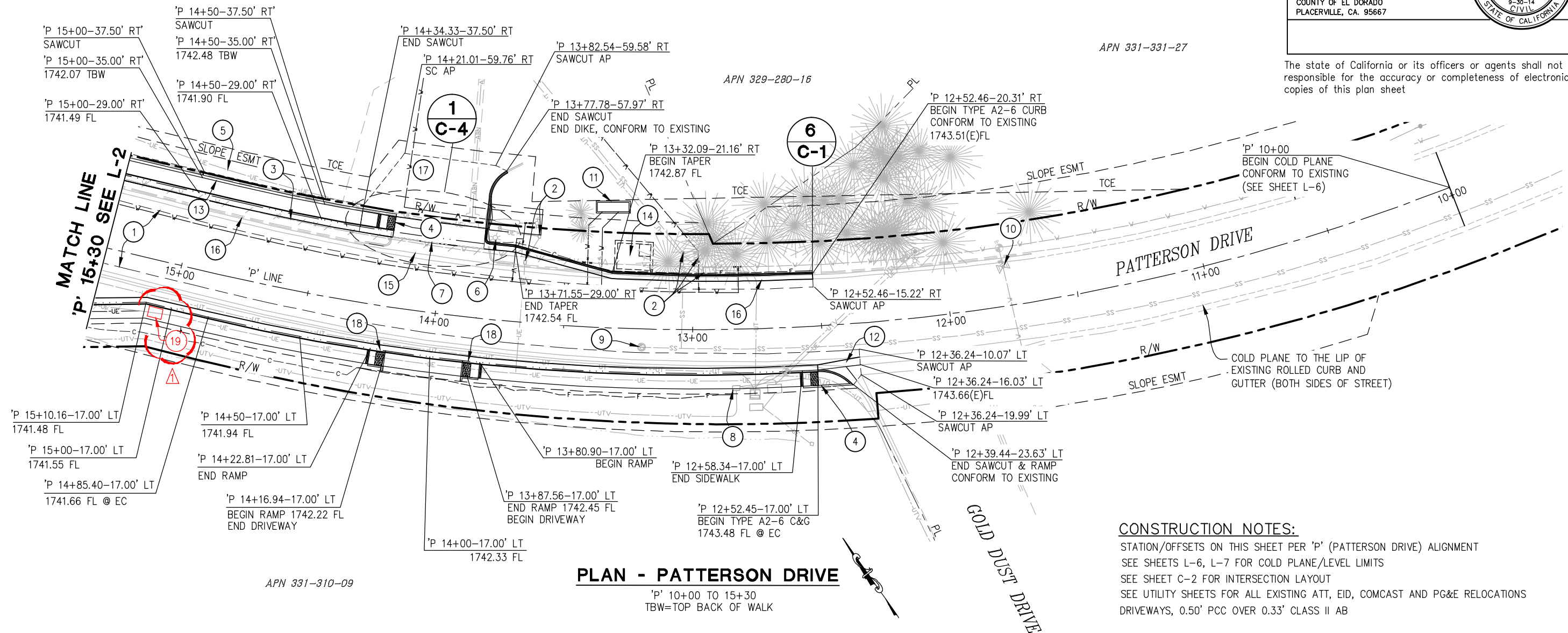
LAYOUT

L-1

SCALE: 1"=20'

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	7	46
<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 60%;"> <p><i>Dwight G. Anderson</i></p> <p>REGISTERED CIVIL ENGINEER</p> </div> <div style="width: 35%; text-align: center;">  </div> </div> <p>5-24-13</p> <p>PLANS APPROVAL DATE</p> <p>COUNTY OF EL DORADO PLACERVILLE, CA. 95667</p>					

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	9	46
<div style="display: flex; justify-content: space-between; align-items: center;"> <div> <u>Dwight G. Anderson</u> REGISTERED CIVIL ENGINEER </div> <div style="text-align: center;">  </div> </div>					
5-24-13 PLANS APPROVAL DATE					
COUNTY OF EL DORADO PLACERVILLE, CA. 95667					



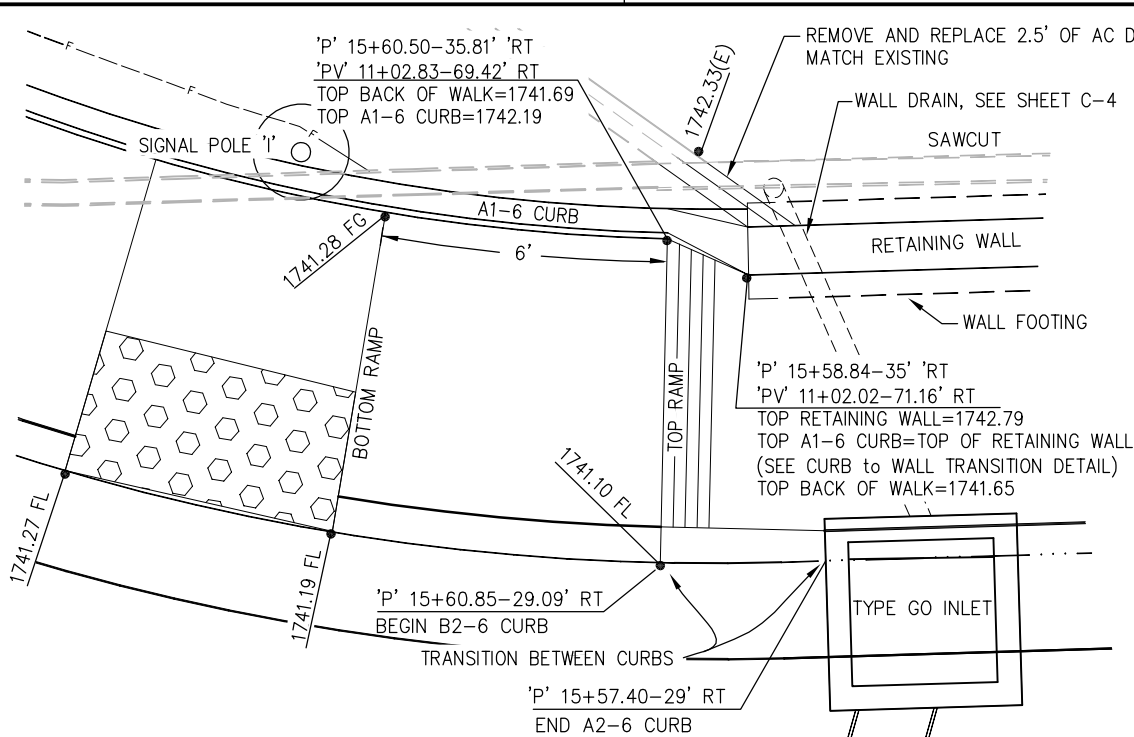
SAWCUT - STA/OFFSETS

'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

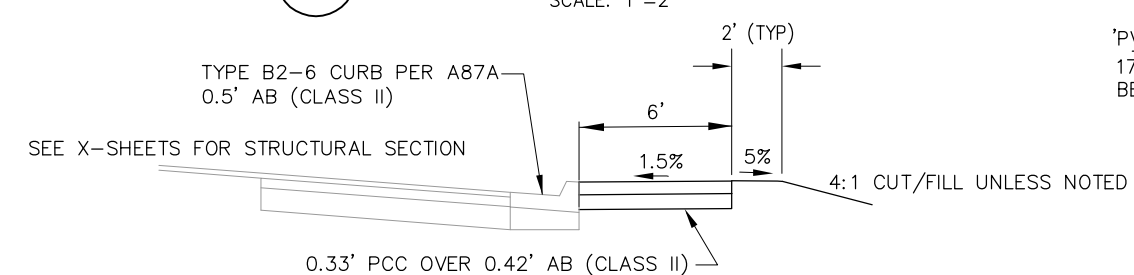
13 RETAINING WALL ELEVATIONS		
STATION / OFFSET	TOP OF WALL ELEVATION	TOP BACK OF SIDEWALK
'P' 14+20.59-35' RT	1742.79	1742.23
'P' 14+26.73-35' RT HC RAMP	1743.24	1742.67
'P' 14+34.33-35' RT GB BEHIND WALL	1743.77	1742.61
'P' 14+50-35' RT	1743.79	1742.48
'P' 14+75-35' RT	1743.52	1742.28
'P' 15+00-35' 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

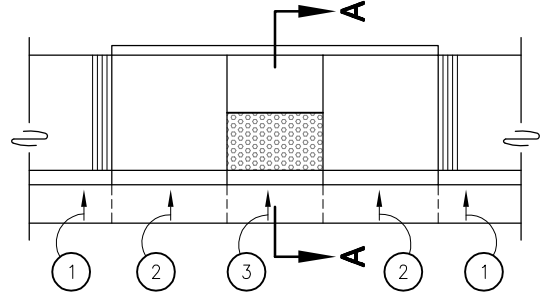
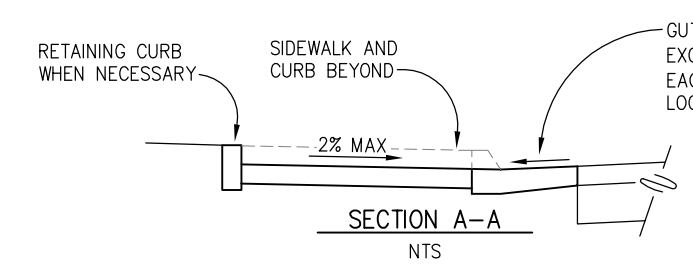
CONSTRUCTION NOTES:
STATION/OFFSETS ON THIS SHEET PER 'P' (PATTERSON DRIVE) ALIGNMENT
SEE SHEETS L-6, L-7 FOR COLD PLANE/LEVEL LIMITS
SEE SHEET C-2 FOR INTERSECTION LAYOUT
SEE UTILITY SHEETS FOR ALL EXISTING ATT, EID, COMCAST AND PG&E RELOCATIONS
DRIVEWAYS, 0.50' PCC OVER 0.33' CLASS II AB



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



2 SIDEWALK DETAIL
N.T.S.

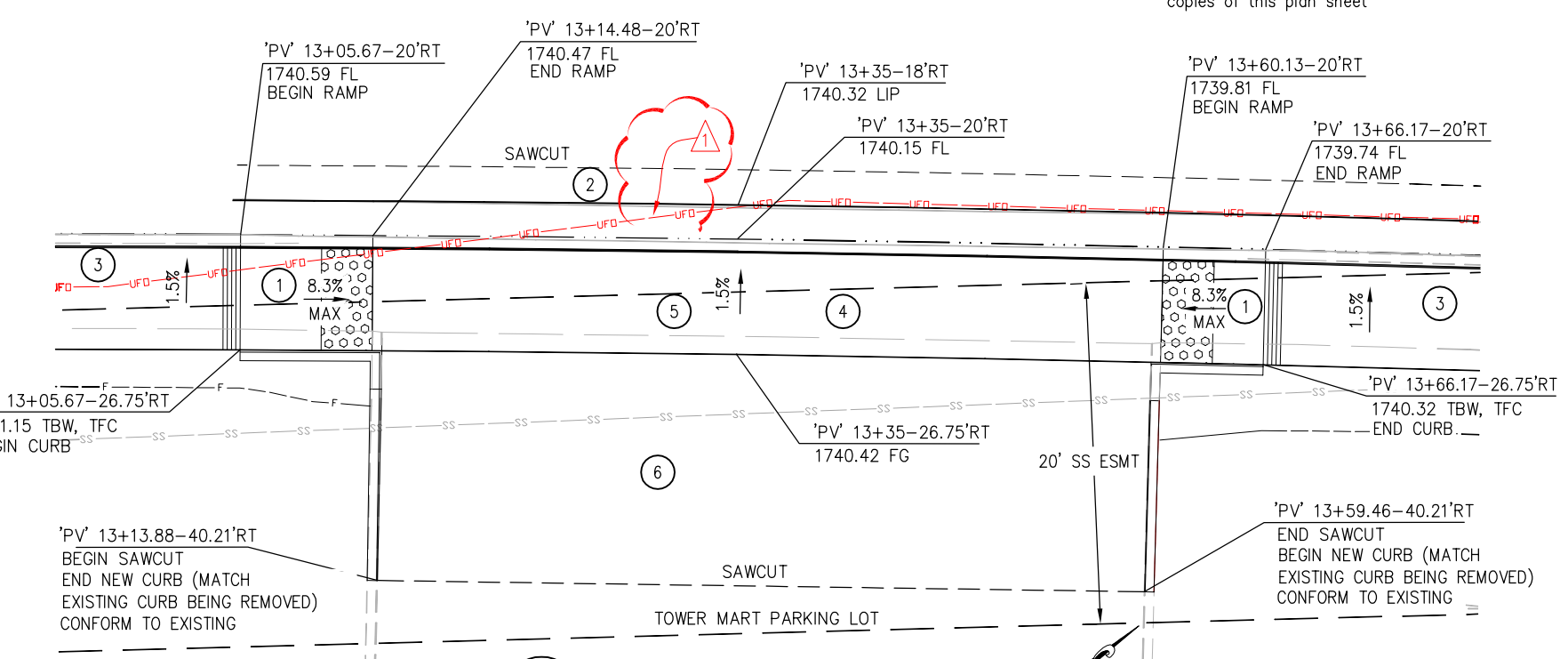
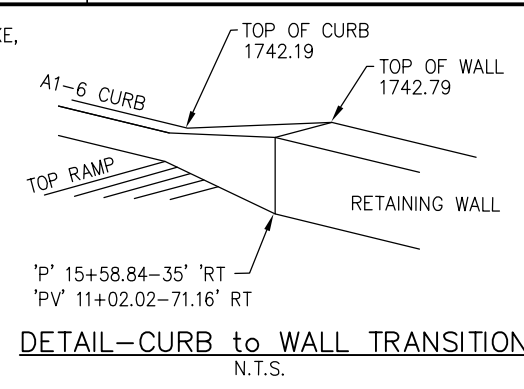


CONSTRUCTION NOTES:

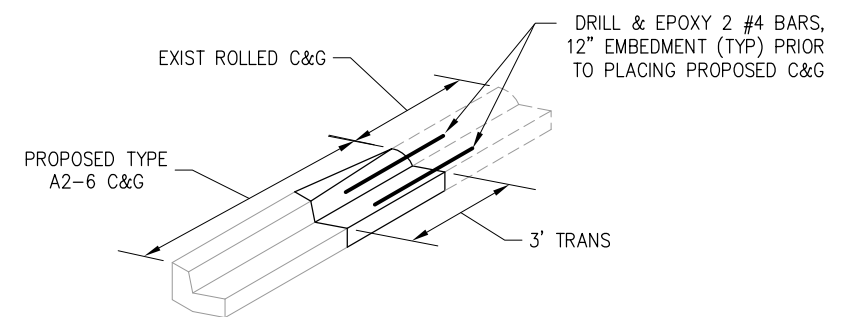
SEE CALTRANS STANDARD PLAN A88A FOR ADDITIONAL DETAILS.

- 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



- 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

WARNING
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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

License Expires 9-30-14

CIVIL

STATE OF CALIFORNIA

The state of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet


ABBREVIATIONS:

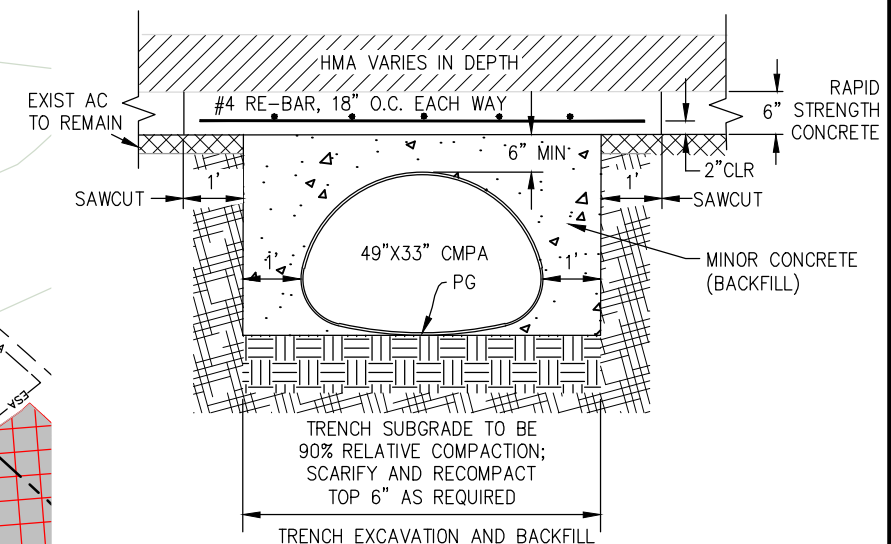
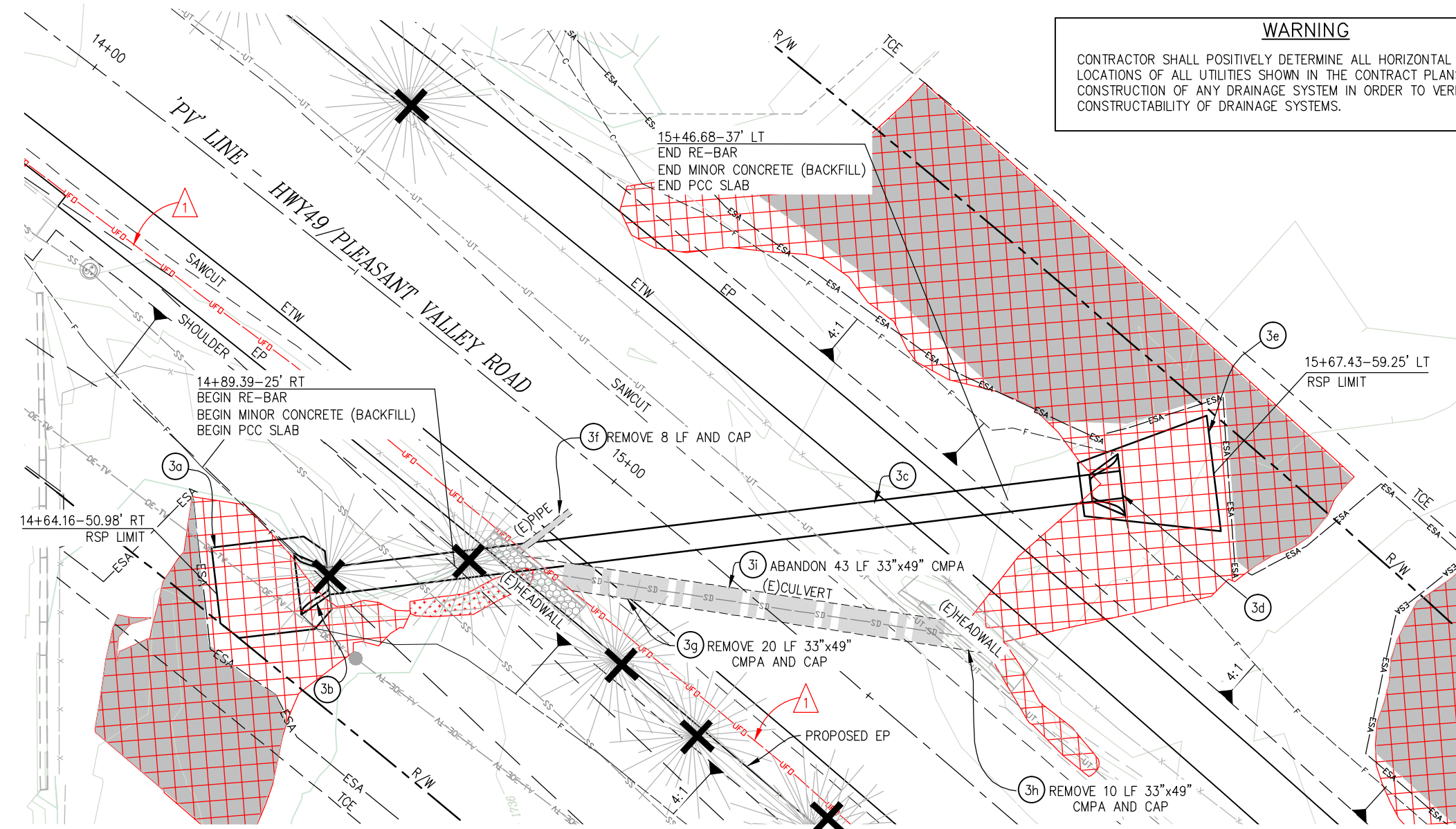
TBW-TOP BACK WALK
TFC-TOP FACE OF CURB

CONSTRUCTION DETAILS

C-1

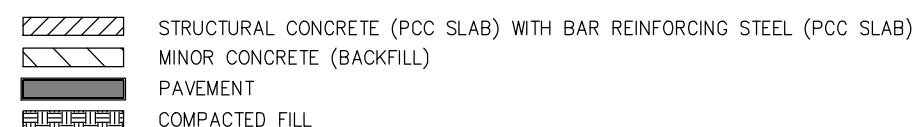
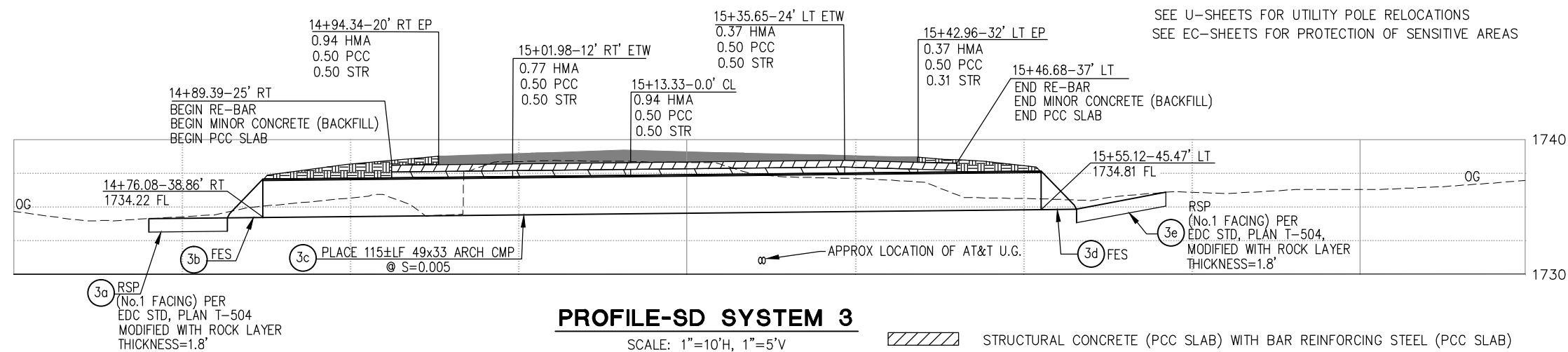
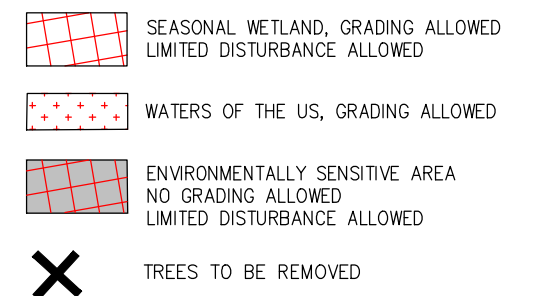
SCALE: AS NOTED

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	24	46
<div style="display: flex; justify-content: space-between; align-items: center;"> <div> <p><i>Dwight D. Anderson</i></p> <p>REGISTERED CIVIL ENGINEER</p> </div> <div style="text-align: center;">  </div> </div>					
<div style="display: flex; justify-content: space-between;"> <div>5-24-13</div> <div>PLANS</div> <div>APPROVAL</div> <div>DATE</div> </div>					
COUNTY OF EL DORADO PLACERVILLE, CA. 95667					



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



DRAINAGE SYSTEM 3
D-3
SCALE: AS NOTED

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

PROJECT ENGINEER

CALCULATED/DESIGNED

BY

DATE

REVIS

BY

DA

10-8-13

DEPARTMENT OF TRANSPORTATION

FOR REDUCED PLANS

ORIGINAL SCALE IS IN INCHES

3

2

1

0

EL DORADO COUNTY

WARNING

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

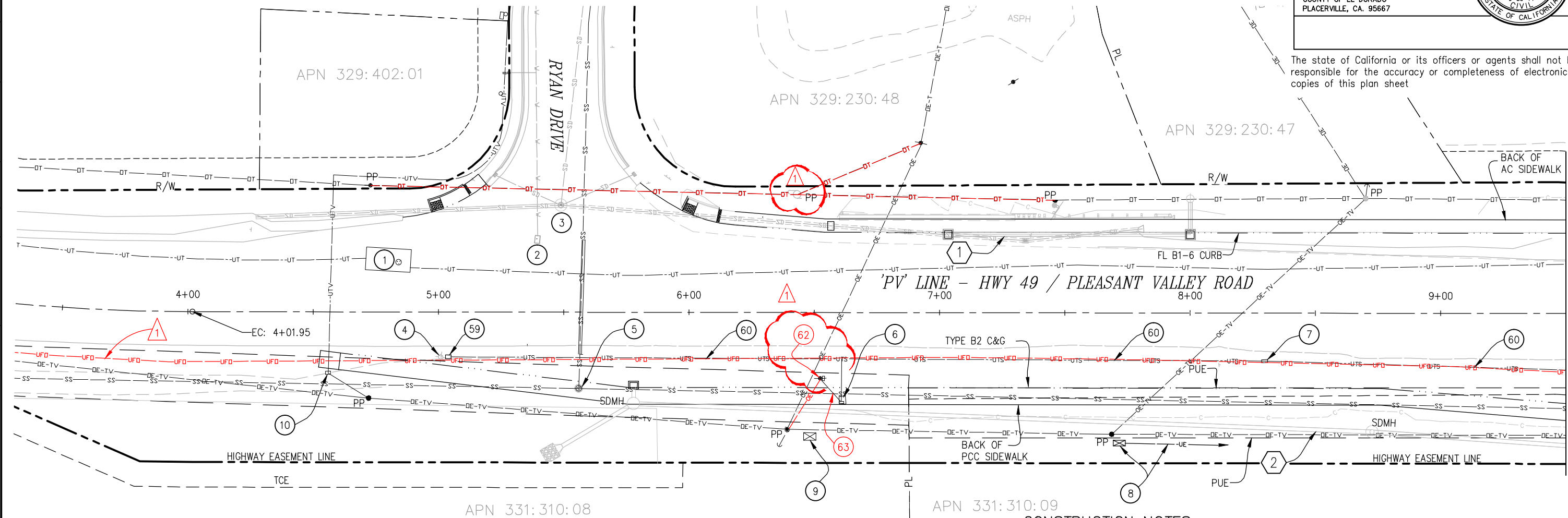
No. 69999

License Expires 9-30-14

CIVIL

STATE OF CALIFORNIA

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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
 - UFO— UNDERGROUND FIBER OPTIC

- — — — — 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 SDM, 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)
- 60 ABANDON CONDUIT (SEE E-SHEETS), PROTECT UNDERGROUND FIBER OPTIC IN PLACE
- 62 REMOVE EXISTING UTILITY POLE
- 63 ABANDON CONDUIT BETWEEN EXISTING UTILITY POLE AND TRAFFIC SIGNAL BOX

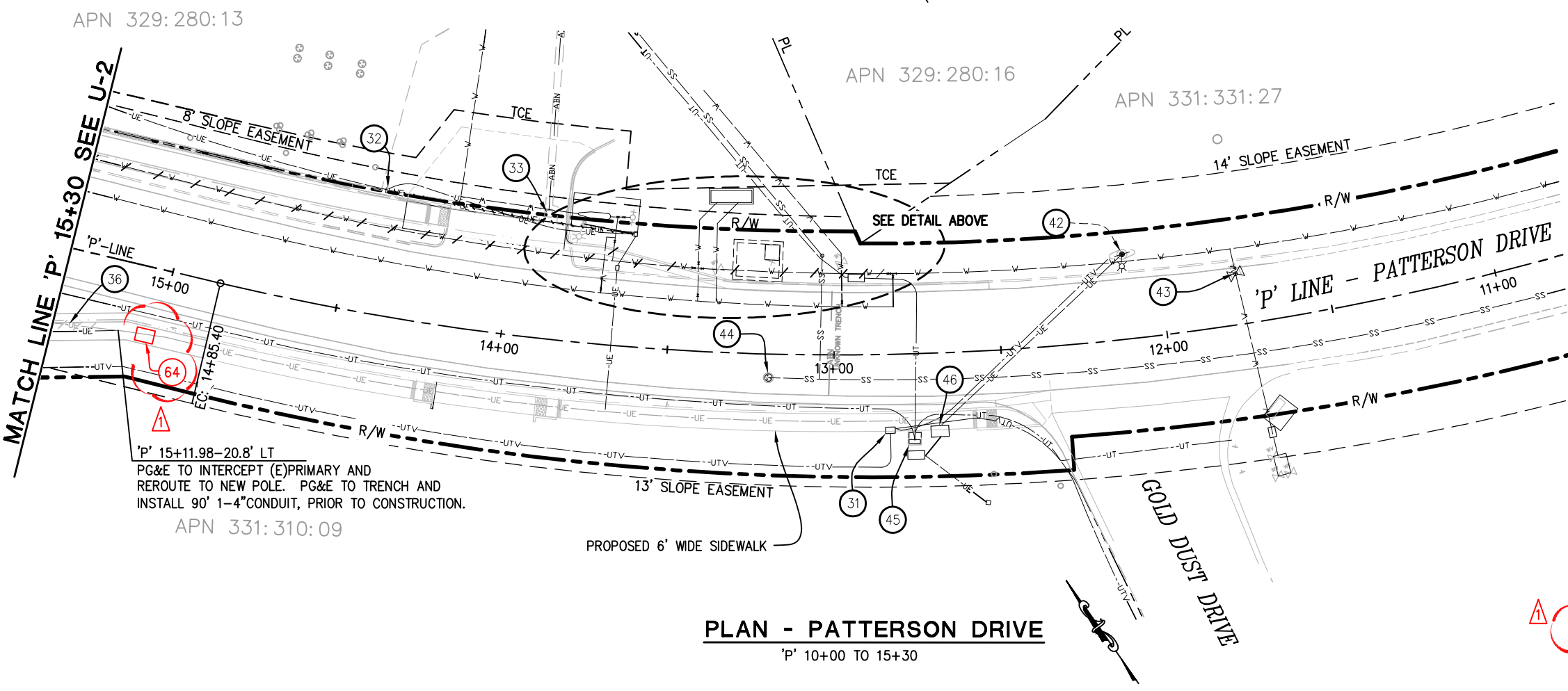
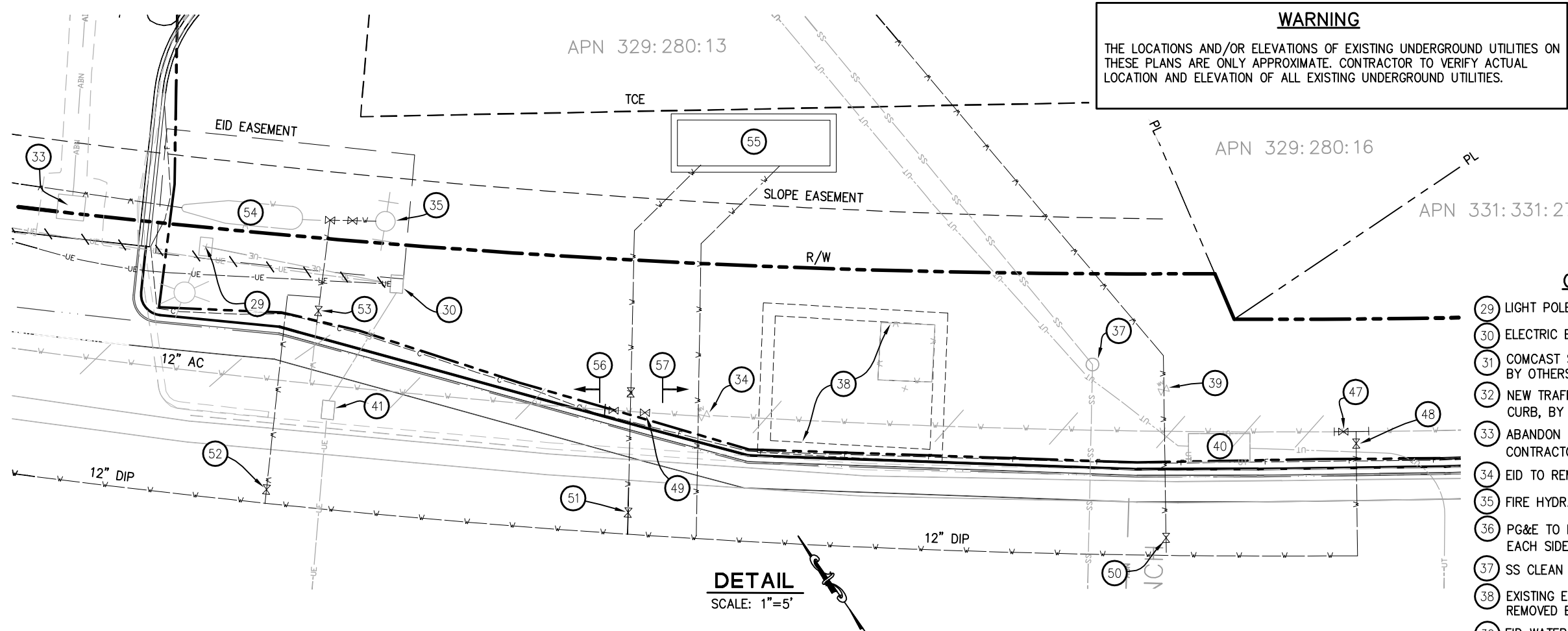
UTILITIES

U-1

SCALE: 1"=20'

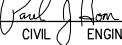
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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	29	46
<div style="display: flex; justify-content: space-between; align-items: center;"> <div> <p><i>Dwight G. Anderson</i></p> <p>REGISTERED CIVIL ENGINEER</p> </div> <div style="text-align: center;">  </div> </div>					
<div style="display: flex; justify-content: space-between; align-items: center;"> <div> <p>5-24-13</p> <p>PLANS APPROVAL DATE</p> </div> <div> <p>COUNTY OF EL DORADO PLACERVILLE, CA. 95667</p> </div> </div>					



PW 09-30425	CU 03-0303	EA 03-3E980
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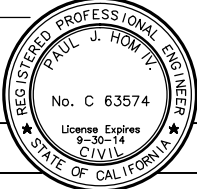
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	43	46

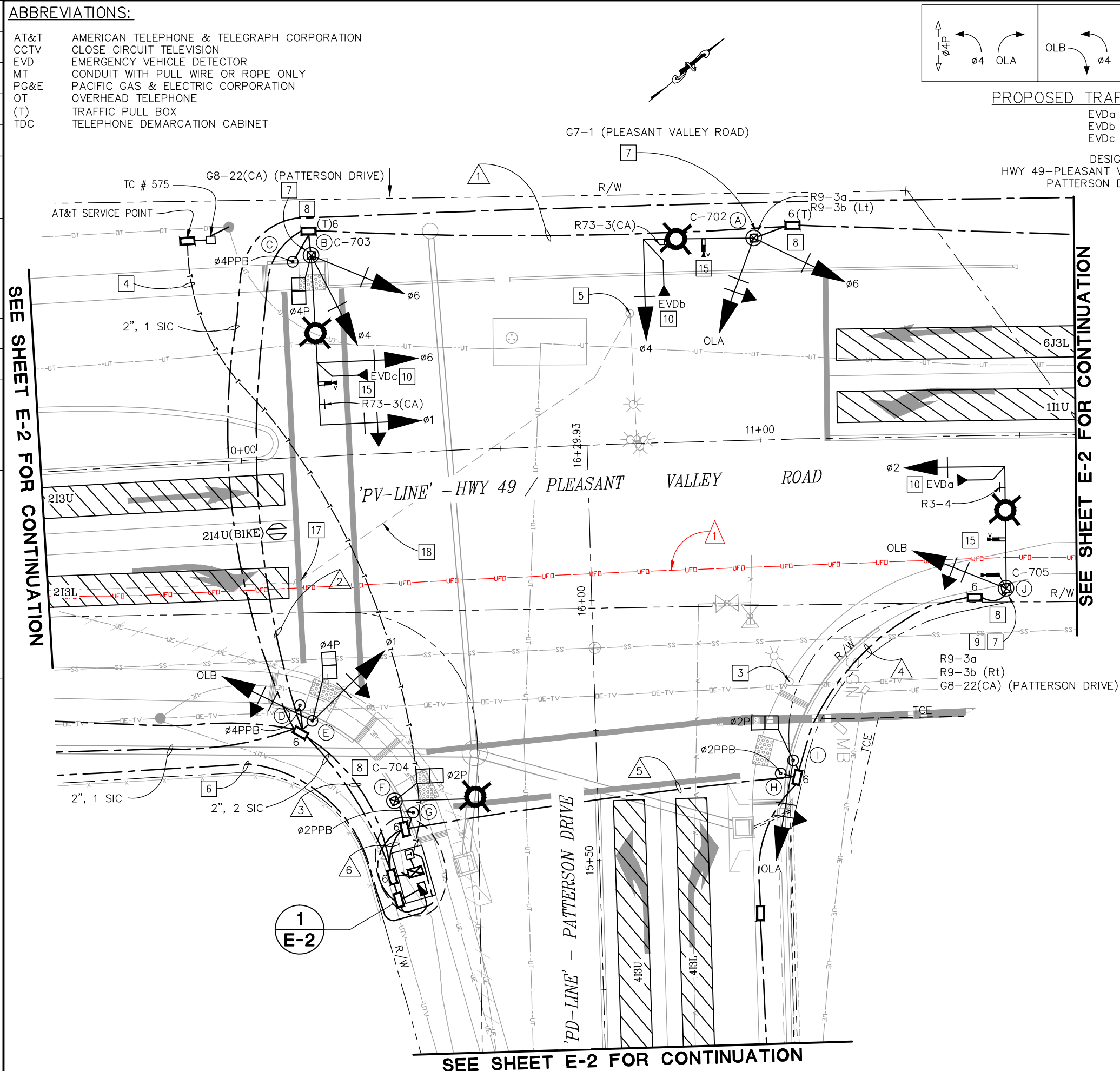
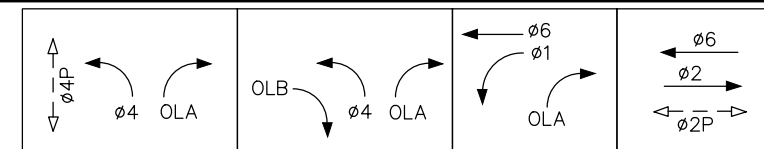


REGISTERED
CIVIL ENGINEER

5-24-13
PLANS APPROVAL DATE

COUNTY OF EL DORADO
PLACERVILLE, CA. 95667



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.

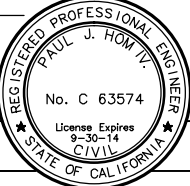
PROJECT NOTES (FOR THIS SHEET ONLY):

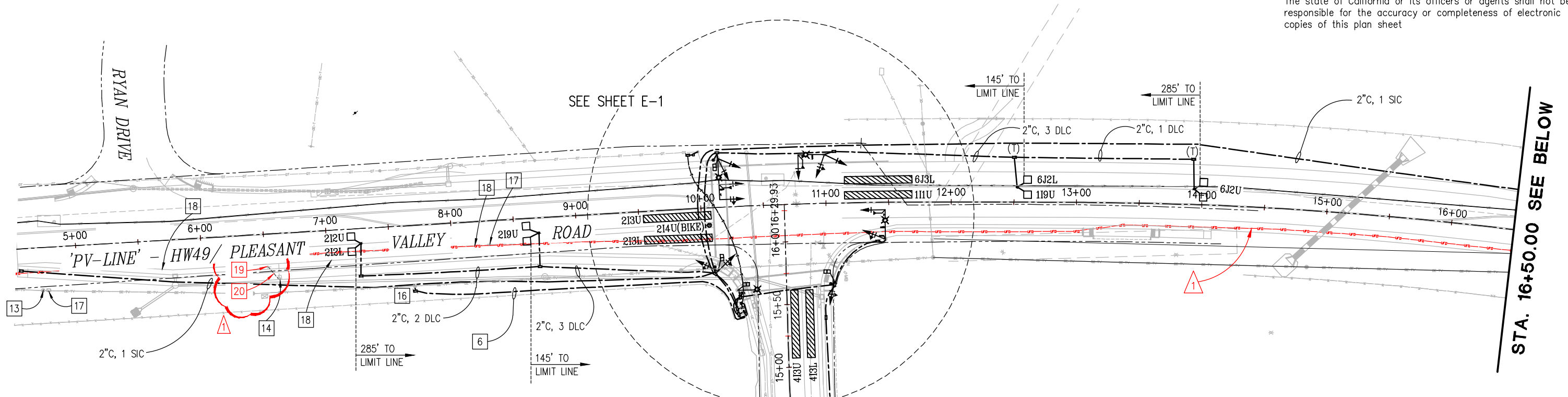
- 3 REMOVE LIGHT POLE BY PG&E. CONTRACTOR SHALL COORDINATE WITH PG&E FOR STREET LIGHT REMOVAL AFTER THE SIGNAL LIGHTING IS IN OPERATION.
- 4 2" C, MT. TELEPHONE LINE SHALL BE INSTALLED BY AT&T. CONTRACTOR SHALL COORDINATE WITH AT&T FOR SERVICE CONNECTION.
- 5 SALVAGE EXISTING FLASHING SIGNAL POLE AND 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'

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	ED	49	10.6-10.9	44	46
<div style="display: flex; justify-content: space-between; align-items: center;"> <div> <u>Paul J. Hom</u> REGISTERED CIVIL ENGINEER </div> <div style="text-align: center;">  </div> </div>					
5-24-13 PLANS APPROVAL DATE					
COUNTY OF EL DORADO PLACERVILLE, CA. 95667					

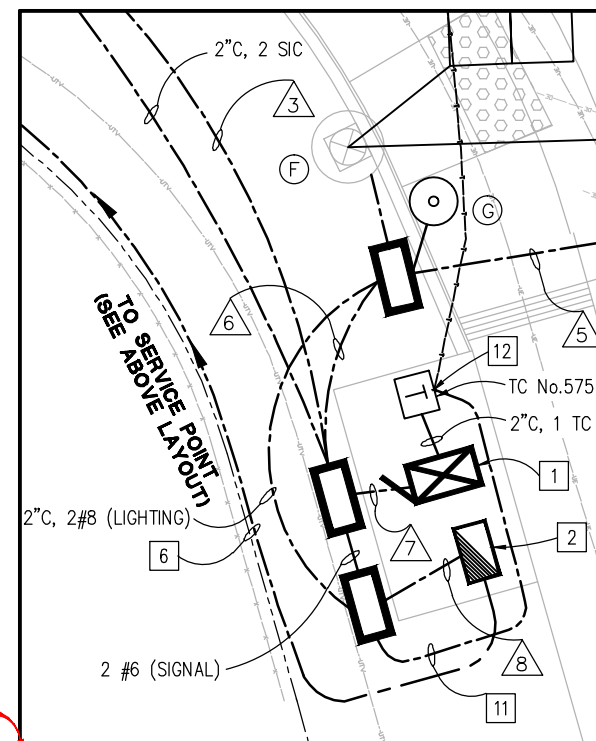


STA. 16+50.00 SEE BELOW

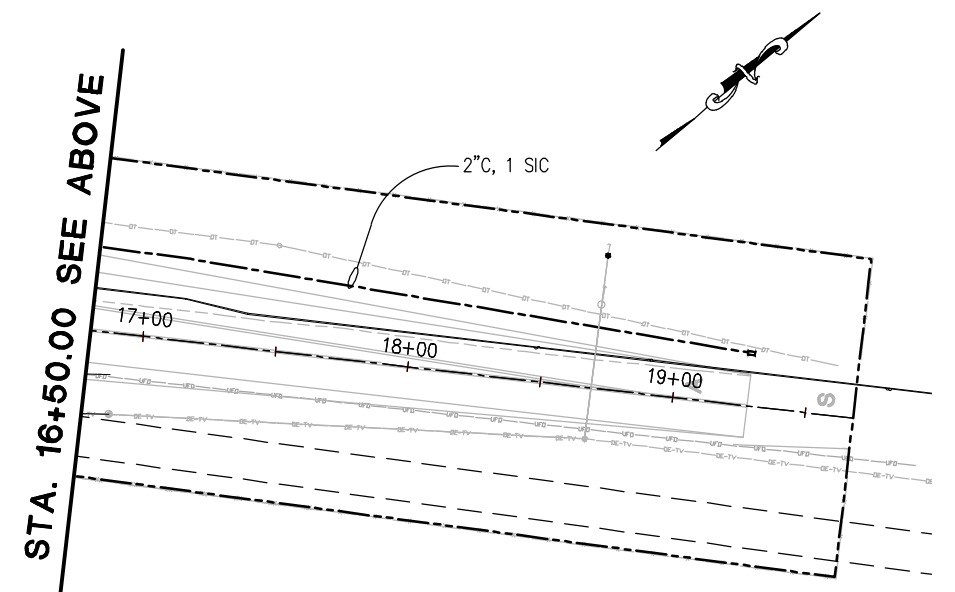
PROJECT NOTES (FOR THIS SHEET ONLY):

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, 1 ϕ , 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, PROTECT UNDERGROUND FIBER OPTIC IN PLACE
- 19 REMOVE EXISTING UTILITY POLE
- 20 ABANDON CONDUITS BETWEEN EXISTING UTILITY
POLE AND TRAFFIC SIGNAL BOX



1 CONTROLLER CABINET DETAIL



SIGNAL & LIGHTING

E-2

SCALE: 1"=40'

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