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THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

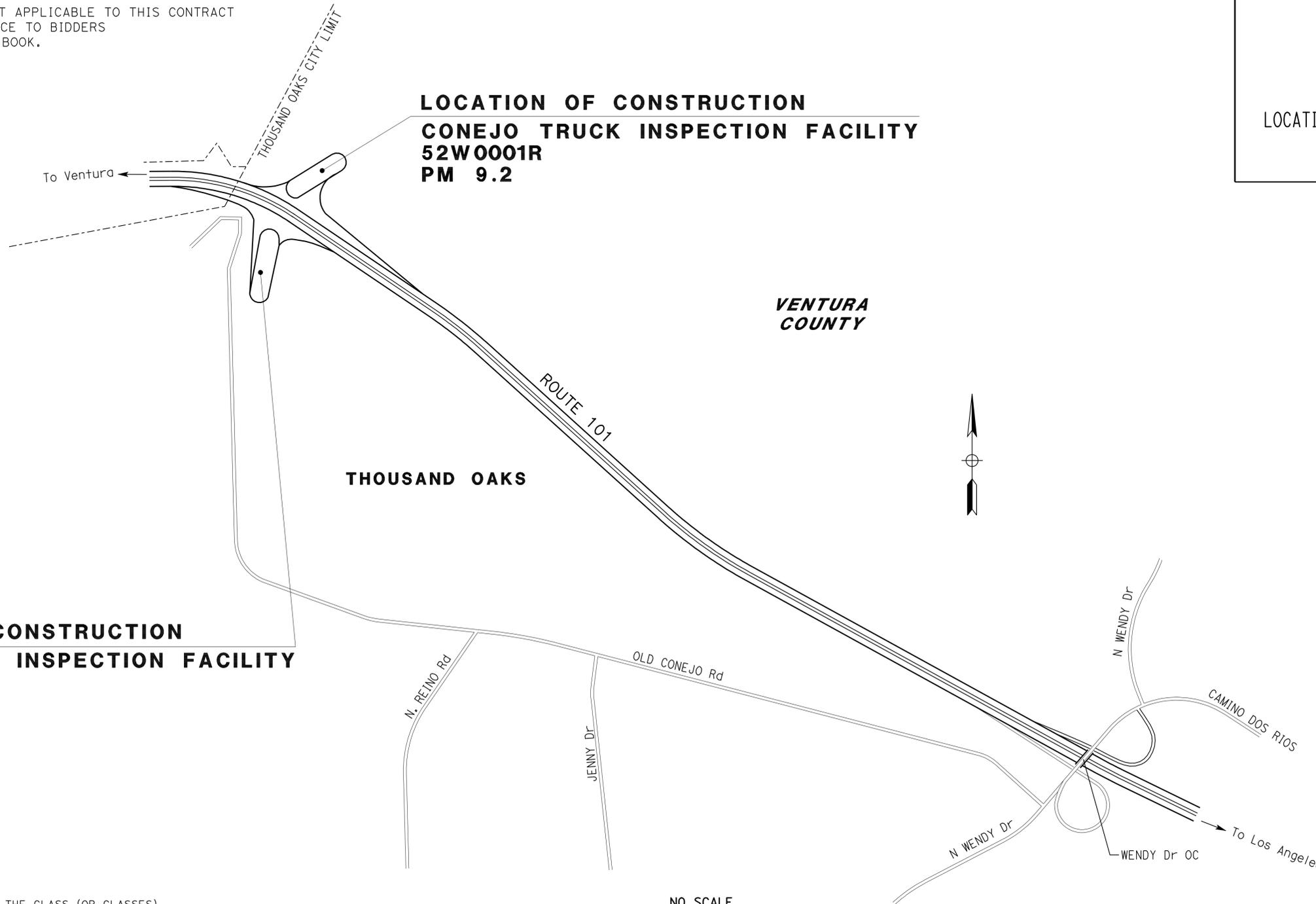
STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR BUILDING CONSTRUCTION  
IN VENTURA COUNTY  
IN THOUSAND OAKS  
AT 1.2 MILES WEST OF WENDY DRIVE OVERCROSSING  
AT THE CONEJO TRUCK INSPECTION FACILITIES

To be supplemented by Standard Plans dated May 2006

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	9.0,9.2	1	45

LOCATION MAP



LOCATION OF CONSTRUCTION  
CONEJO TRUCK INSPECTION FACILITY  
52W0001R  
PM 9.2

LOCATION OF CONSTRUCTION  
CONEJO TRUCK INSPECTION FACILITY  
52W0001L  
PM 9.0

*Techngo* 7-14-11  
PROJECT ENGINEER DATE  
REGISTERED ELECTRICAL ENGINEER

May 7, 2012  
PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CONTRACT No.	<b>07-278904</b>
PROJECT ID	<b>070000542</b>

PROJECT MANAGER  
HANY MESSIHA

DESIGN ENGINEER  
TECH NGOV

THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."

NO SCALE

NOTE: FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE

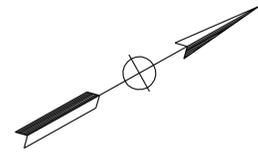
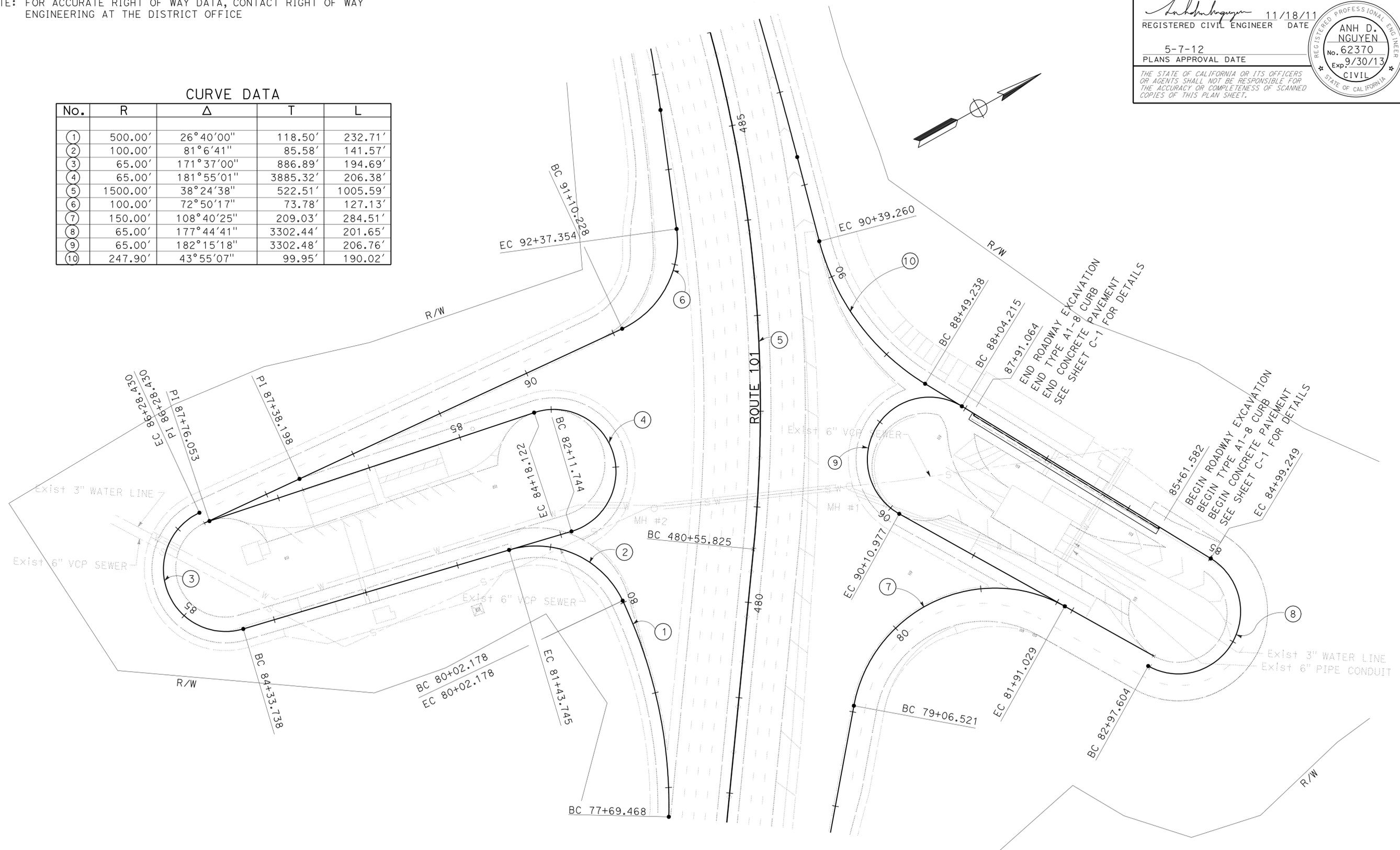
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	9.0,9.2	2	45

REGISTERED CIVIL ENGINEER ANH D. NGUYEN  
 No. 62370  
 Exp. 9/30/13  
 CIVIL

11/18/11 DATE  
 5-7-12 PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

No.	R	Δ	T	L
①	500.00'	26° 40' 00"	118.50'	232.71'
②	100.00'	81° 6' 41"	85.58'	141.57'
③	65.00'	171° 37' 00"	886.89'	194.69'
④	65.00'	181° 55' 01"	3885.32'	206.38'
⑤	1500.00'	38° 24' 38"	522.51'	1005.59'
⑥	100.00'	72° 50' 17"	73.78'	127.13'
⑦	150.00'	108° 40' 25"	209.03'	284.51'
⑧	65.00'	177° 44' 41"	3302.44'	201.65'
⑨	65.00'	182° 15' 18"	3302.48'	206.76'
⑩	247.90'	43° 55' 07"	99.95'	190.02'



**LAYOUT**  
SCALE: 1"=50'

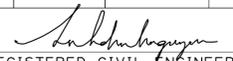
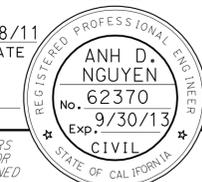
EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS

L-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** TRAFFIC DESIGN  
 FUNCTIONAL SUPERVISOR: ANH D. NGUYEN  
 CALCULATED/DESIGNED BY: ANH D. NGUYEN  
 CHECKED BY: ANH D. NGUYEN  
 REVISIONS: DANIEL DOAN / R. KHAW  
 REVISED BY: ANH D. NGUYEN  
 DATE REVISED:

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	9.0,9.2	3	45

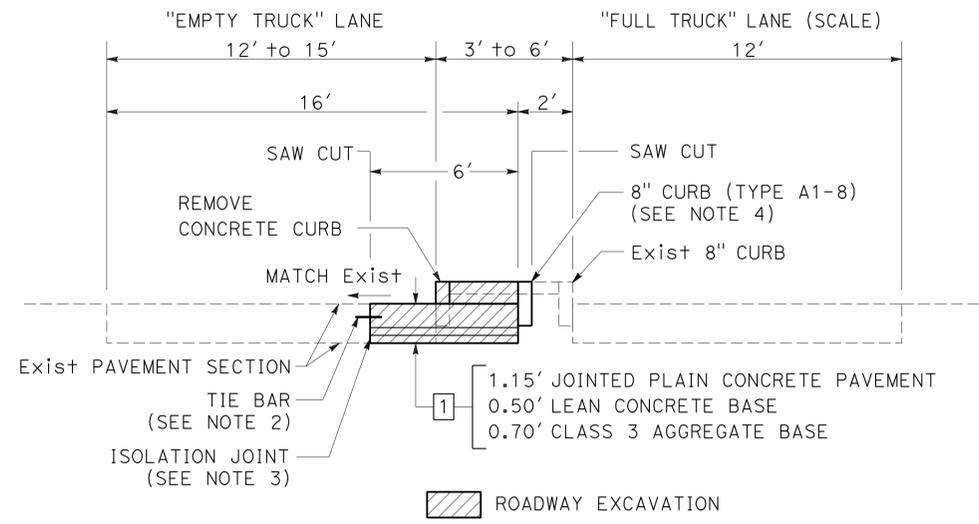
  

 REGISTERED CIVIL ENGINEER DATE 11/18/11		
5-7-12 PLANS APPROVAL DATE		

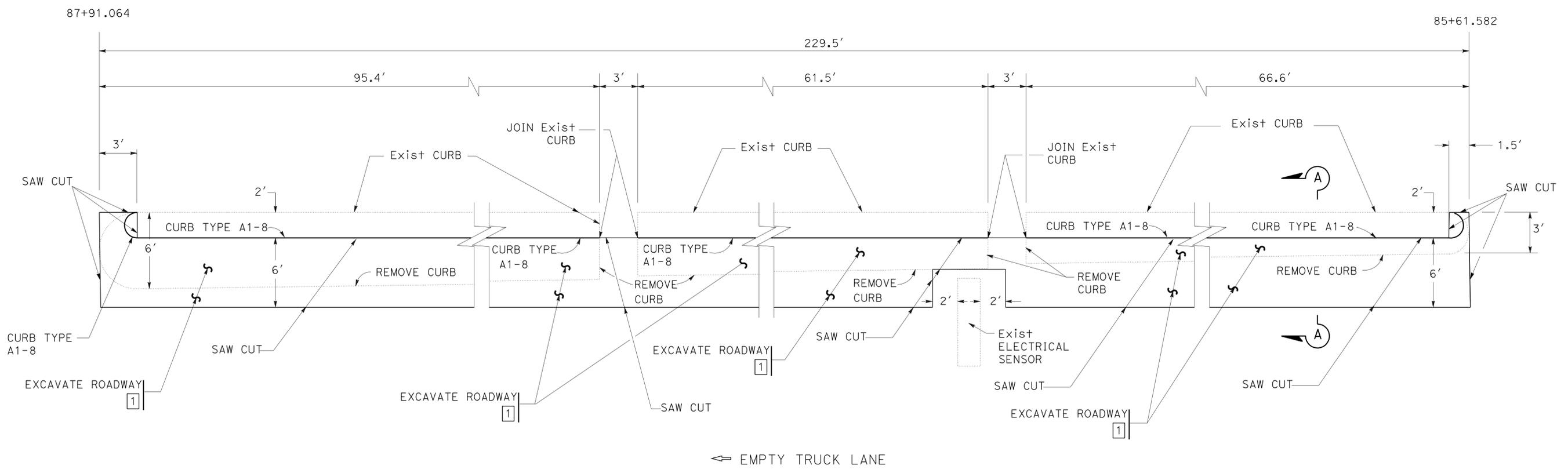
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

**NOTES:**

1. FOR ELECTRICAL WORK ITEMS, SEE ELECTRICAL PLAN (EE-7)
2. FOR TIE BAR AND CONSTRUCTION DETAILS, SEE REVISED STANDARD PLAN P1
3. FOR ISOLATION JOINT DETAILS, SEE REVISED STANDARD PLAN P18
4. FOR CURB DETAILS, SEE REVISED STANDARD PLAN A87A



**SECTION A-A**  
 MODIFICATION OF RAISED ISLAND  
 NORTHBOUND FACILITY



**CONSTRUCTION DETAILS**  
 NO SCALE

**PLAN**

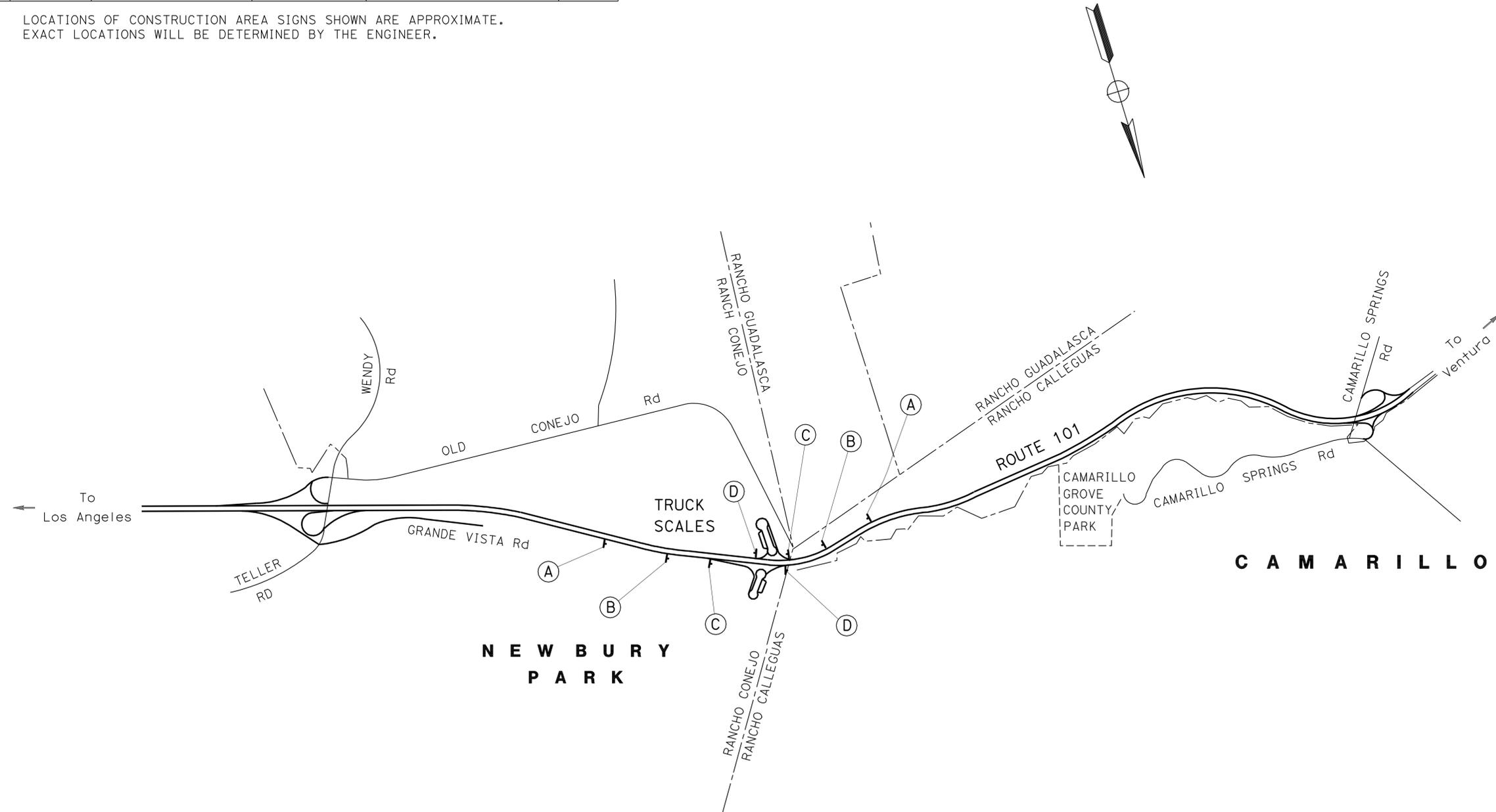
EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS

S:\projects\278901\resubmit\1\727890ga001.dgn  
 STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** TRAFFIC DESIGN  
 FUNCTIONAL SUPERVISOR: ANH D. NGUYEN  
 CALCULATED/DESIGNED BY: DANIEL DOAN / RICHARD KHAW  
 CHECKED BY: ANH D. NGUYEN  
 REVISED BY: DANIEL DOAN / RICHARD KHAW  
 DATE REVISED:

## STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN No.	SIGN CODE	DESCRIPTION	PANEL SIZE (Inch x Inch)	No. OF POSTS AND SIZE (Inch X Inch)	No. OF SIGNS
(A)	W20-1	ROAD WORK AHEAD	48 X 48	1 - 6 X 6	2
(B)	W20-3	RAMP CLOSED AHEAD	48 X 48	1 - 6 X 6	2
(C)	R11-2	RAMP CLOSED	48 X 30	MOUNTED ON TYPE III BARRICADE	4
(D)	G20-2	END ROAD WORK	48 X 24	1 - 4 X 6	2

NOTE: LOCATIONS OF CONSTRUCTION AREA SIGNS SHOWN ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	9.0,9.2	4	45

*Anh D. Nguyen* 11/18/11  
 REGISTERED CIVIL ENGINEER DATE

5-7-12  
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER  
**ANH D. NGUYEN**  
 No. 62370  
 Exp. 9/30/13  
 CIVIL  
 STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** TRAFFIC DESIGN  
 FUNCTIONAL SUPERVISOR: ANH D. NGUYEN  
 CALCULATED/DESIGNED BY: DANIEL DOAN  
 CHECKED BY: ANH D. NGUYEN  
 REVISED BY: DANIEL DOAN  
 DATE REVISED:

## CONSTRUCTION AREA SIGNS NO SCALE

**CS-1**

THIS PLAN IS ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY.

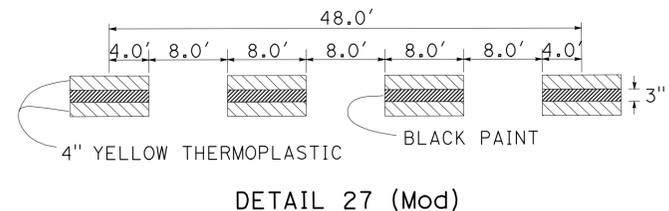
LAST REVISION | DATE PLOTTED => 08-MAY-2012  
 00-00-00 | TIME PLOTTED => 07:14

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	9.0,9.2	5	45

REGISTERED CIVIL ENGINEER  
 ANH D. NGUYEN  
 No. 62370  
 Exp. 9/30/13  
 CIVIL

11/18/11  
 DATE  
 5-7-12  
 PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



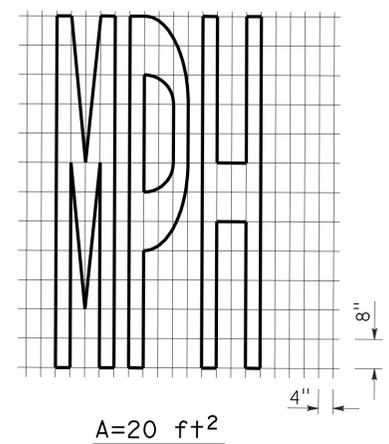
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 Caltrans

DANIEL DOAN / R. KHAW  
 ANH D. NGUYEN

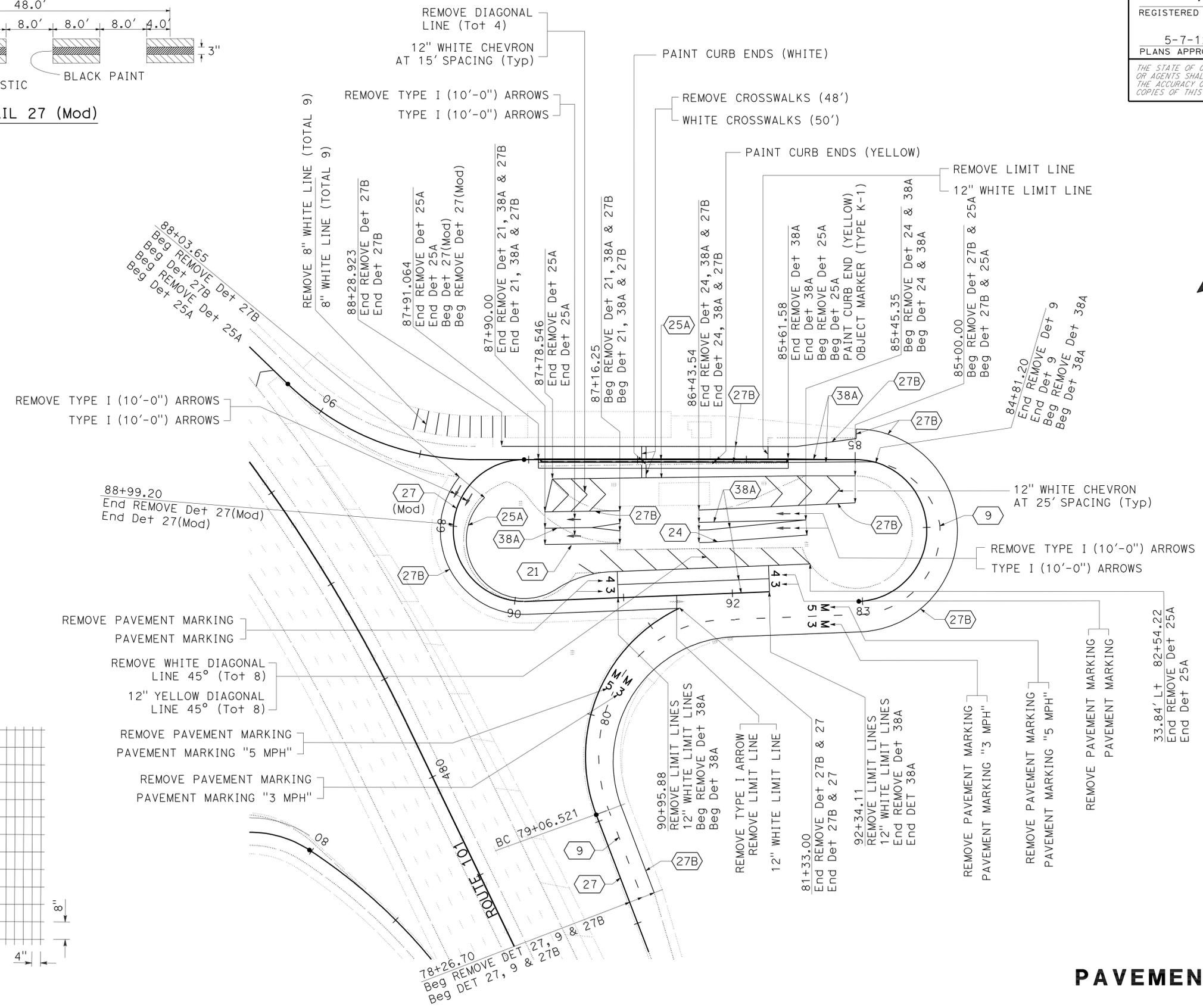
ANH D. NGUYEN

DEPARTMENT OF TRANSPORTATION

**LEGEND:**  
 M = MPH



- REMOVE PAVEMENT MARKING
- REMOVE WHITE DIAGONAL LINE 45° (Tot 8)
- 12" YELLOW DIAGONAL LINE 45° (Tot 8)
- REMOVE PAVEMENT MARKING PAVEMENT MARKING "5 MPH"
- REMOVE PAVEMENT MARKING PAVEMENT MARKING "3 MPH"



**PAVEMENT DELINEATION PLAN**

SCALE: 1" = 50'

**PD-1**

THIS PLAN IS ACCURATE FOR PAVEMENT DELINEATION WORK ONLY.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	9.0,9.2	6	45

11/18/11  
 REGISTERED CIVIL ENGINEER DATE  
 5-7-12  
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER  
 ANH D. NGUYEN  
 No. 62370  
 Exp. 9/30/13  
 CIVIL  
 STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

### PAVEMENT DELINEATION QUANTITIES

SHEET No.	REMOVE												THERMOPLASTIC TRAFFIC STRIPE								PAINT CURB (2-COAT)		THERMOPLASTIC PAVEMENT MARKING					PAVEMENT MARKER			
	THERMOPLASTIC TRAFFIC STRIPE												THERMOPLASTIC TRAFFIC STRIPE										THERMOPLASTIC PAVEMENT MARKING					PAVEMENT MARKER			
	4"												4"										THERMOPLASTIC PAVEMENT MARKING					PAVEMENT MARKER			
	Det 21	Det 24	Det 25A	Det 27	Det 27 (Mod)	Det 9	Det 27B	Det 38A	WHITE LINES	ARROWS, CROSSWALKS, LIMIT LINES, AND WORDS AND NUMBERS	DIAGONAL AND CHEVRON	PAVEMENT MARKER	Det 27 (Mod)	Det 9	Det 21	Det 24	Det 25A	Det 27	Det 27B	Det 38A	WHITE LINES	YELLOW	WHITE	YELLOW	WHITE	DIAGONAL	ARROW	DIAGONAL AND CHEVRON	WORDS AND NUMBERS	CROSSWALKS / LIMIT LINES	RETRO-REFLECTIVE
PD-1	138	100	856	624	108	194	1806	1460	360	314	421	60	108	664	138	100	856	624	1806	730	180	17	6	196	84	272	176	120	15	45	1
TOTAL	1826				3820				735				60	108	664	3524				910	23		848					60		1	

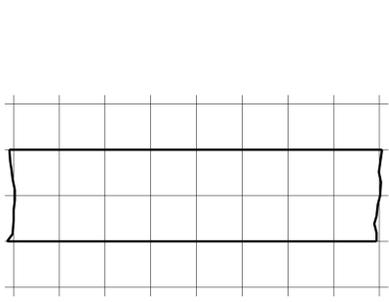
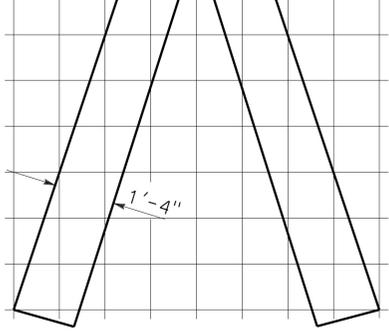
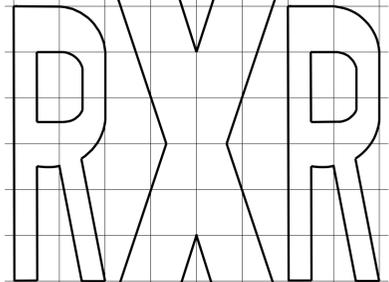
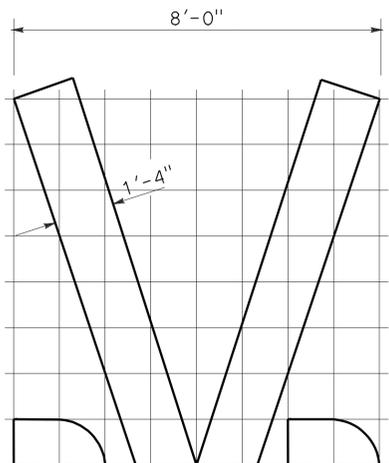
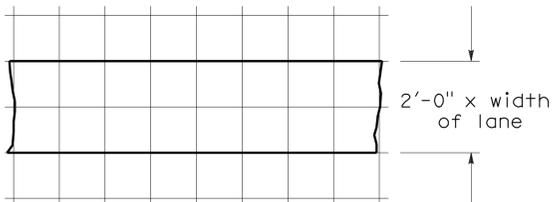
### ROADWAY QUANTITIES

SHEET No.	REMOVE CONCRETE CURB (LF)	ROADWAY ECAVATION	CLASS 3 AGGREGATE BASE	LEAN CONCRETE BASE	JOINTED PLAIN CONCRETE PAVEMENT	MINOR CONCRETE (CURB) (LF)	SEAL PAVEMENT JOINT	SEAL LONGITUDINAL ISOLATION JOINT	TEMPORARY DRAINAGE INLET PROTECTION
	LF	CY	CY	CY	CY	LF	LF	LF	EA
L-1	233	123	36	26	59	225	30	235	8
TOTAL	233	123	36	26	59	225	30	235	8

## SUMMARY OF QUANTITIES Q-1

LAST REVISION DATE PLOTTED => 09-MAY-2012  
 00-00-00 TIME PLOTTED => 1:3:39

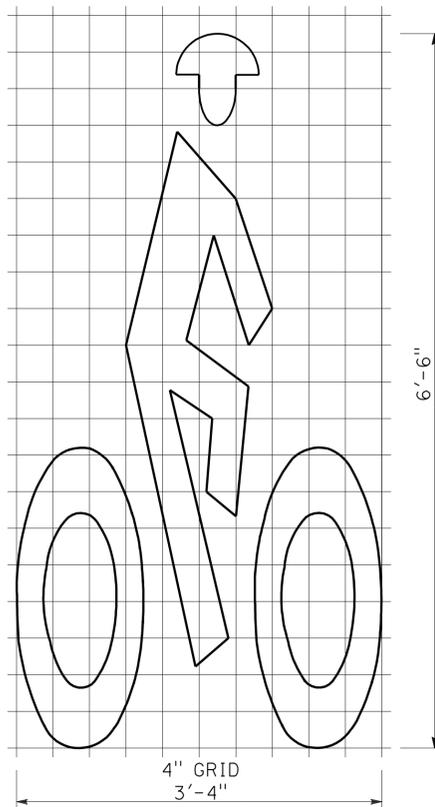
To accompany plans dated 5-7-12



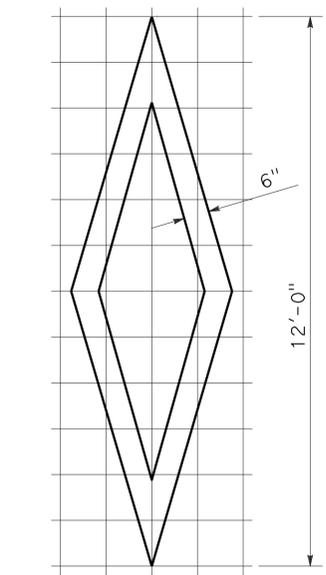
1'-0" GRID  
A=70 sq ft \*

**RAILROAD CROSSING SYMBOL**

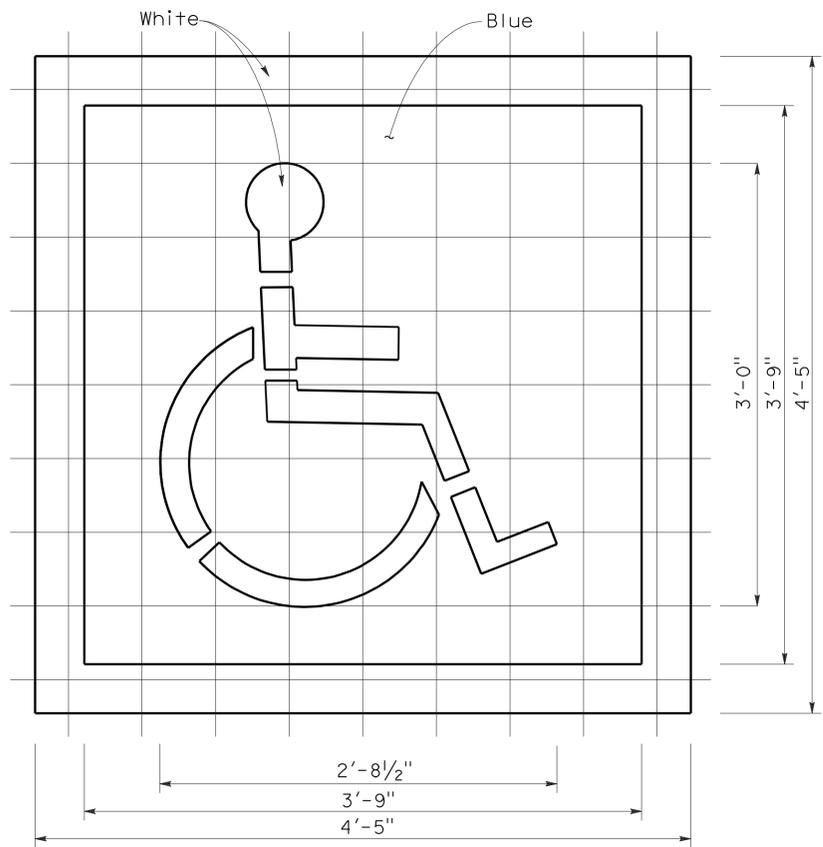
\*70 sq ft DOES NOT INCLUDE THE 2'-0" x VARIABLE WIDTH TRANSVERSE LINES.



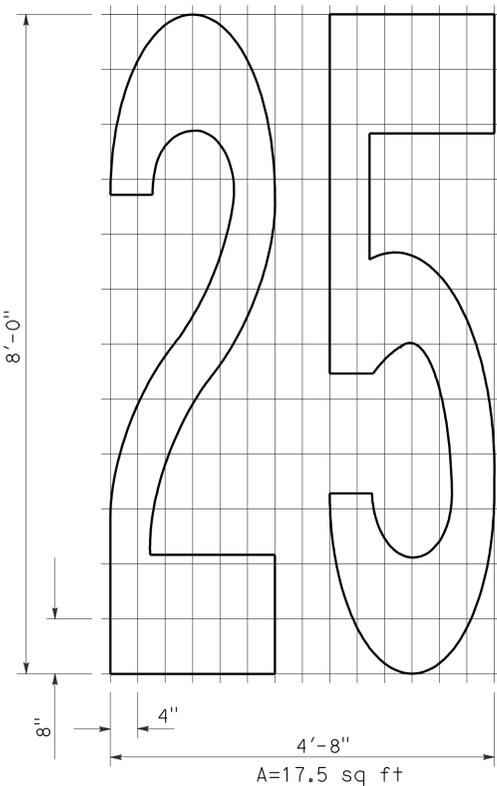
A=7 sq ft  
**BIKE LANE SYMBOL**



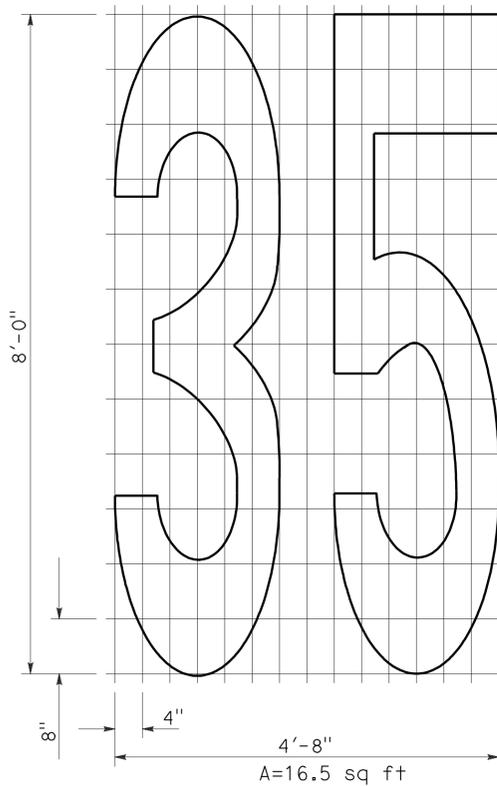
A=11 sq ft  
**DIAMOND SYMBOL**



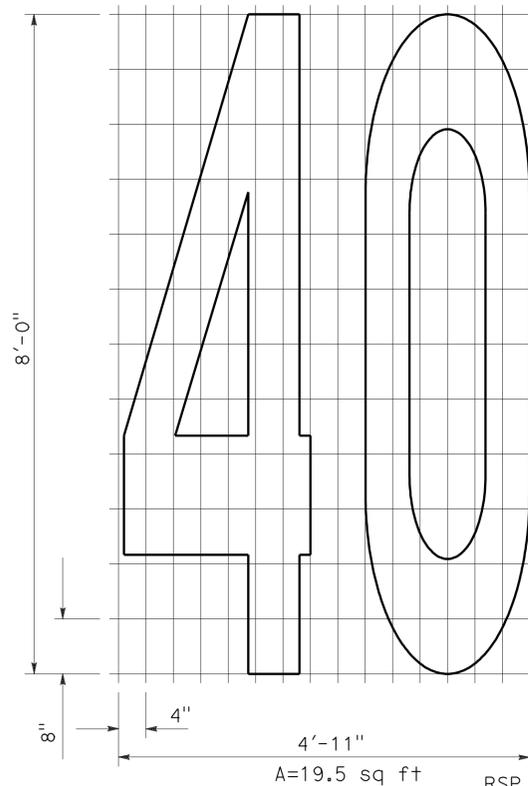
**INTERNATIONAL SYMBOL OF ACCESSIBILITY MARKING**



A=17.5 sq ft

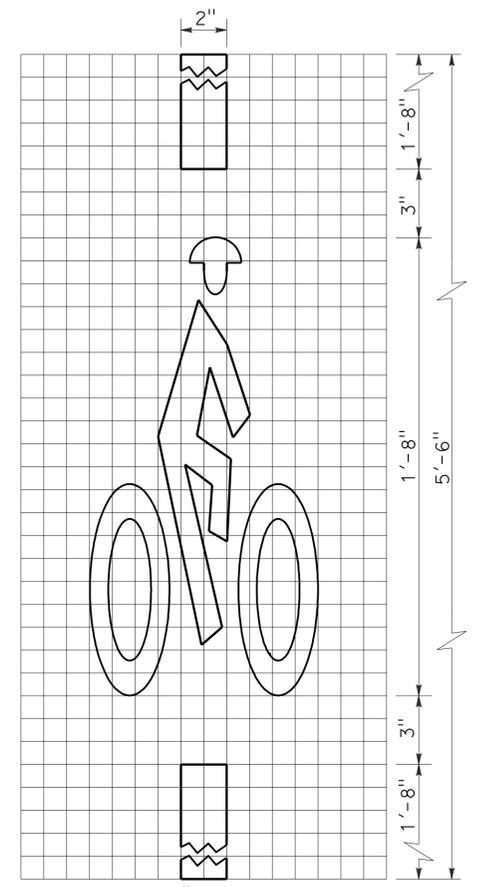


A=16.5 sq ft



A=19.5 sq ft

**NUMERALS**

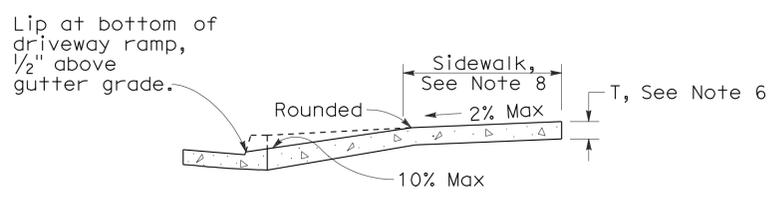
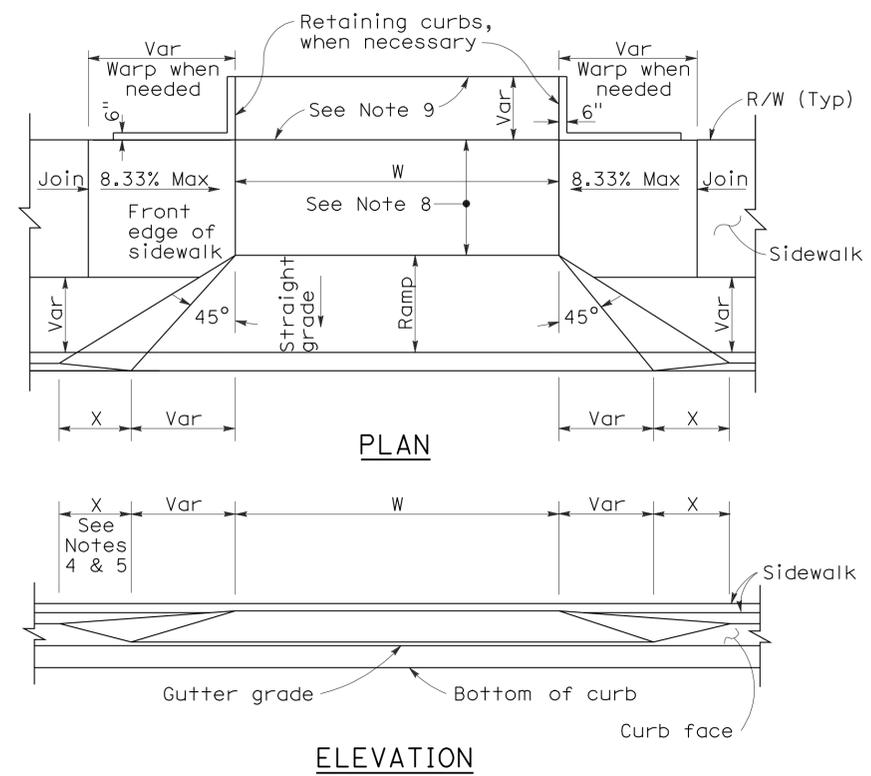


**BICYCLE LOOP DETECTOR SYMBOL**

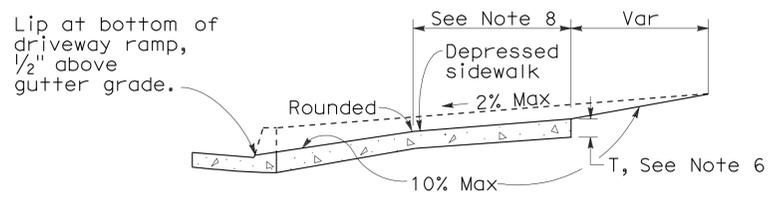
**NOTE:**  
1. Minor variations in dimensions may be accepted by the Engineer.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**PAVEMENT MARKINGS SYMBOLS AND NUMERALS**

NO SCALE



**CASE A**  
Typical driveway, sidewalk not depressed



**CASE B**  
Driveway with depressed sidewalk

**SECTIONS**

**CURB QUANTITIES**

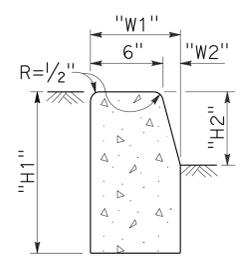
TYPE	CUBIC YARDS PER LINEAR FOOT
A1-6	0.02585
A1-8	0.03084
A2-6	0.05903
A2-8	0.06379
A3-6	0.01036
A3-8	0.01435
B1-4	0.02185
B1-6	0.02930
B2-4	0.05515
B2-6	0.06171
B3-4	0.00641
B3-6	0.01074
B4	0.05709
D-4	0.04083
D-6	0.06804
E	0.06661

**TABLE A**

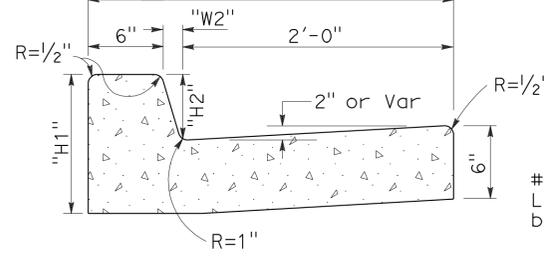
CURB TYPE	DIMENSIONS			
	"H1"	"H2"	"W1"	"W2"
A1-6	1'-2"	6"	7 1/2"	1 1/2"
A1-8	1'-4"	8"	8"	2"
A2-6	1'-0"	6"	2'-7 1/2"	1 1/2"
A2-8	1'-2"	8"	2'-8"	2"
A3-6	6"	5"	7 1/4"	1 1/4"
A3-8	8"	7"	7 3/4"	1 3/4"
B1-4	1'-0"	4"	7 1/2"	2 1/2"
B1-6	1'-2"	6"	9"	4"
B2-4	10"	4"	2'-7 1/2"	2 1/2"
B2-6	1'-0"	6"	2'-9"	4"
B3-4	4"	3"	7"	2"
B3-6	6"	5"	8 1/2"	3 1/2"
D-4	10"	4"	1'-6"	1'-1"
D-6	1'-0"	6"	2'-2"	1'-8"

To accompany plans dated 5-7-12

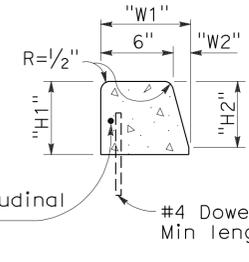
**DRIVEWAYS**



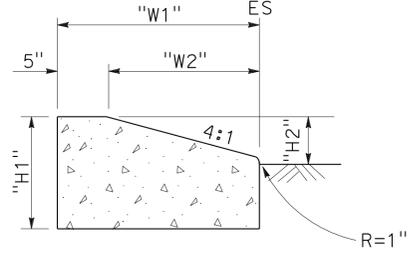
**TYPE A1 CURBS**  
See Table A



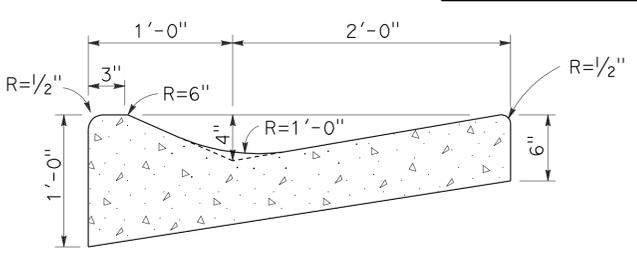
**TYPE A2 CURBS**  
See Table A



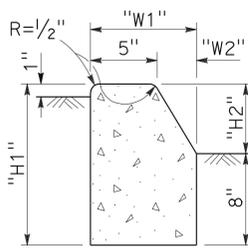
**TYPE A3 CURBS**  
Superimposed on existing pavement  
See Table A



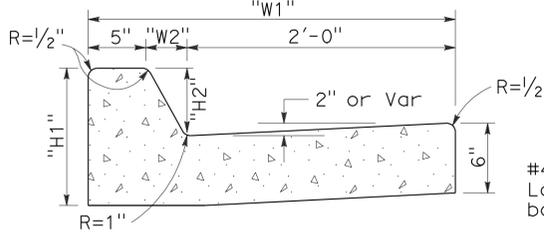
**TYPE D CURBS**  
See Table A



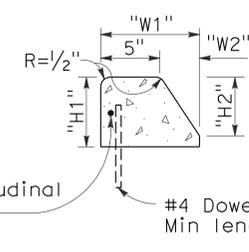
**TYPE E CURB**



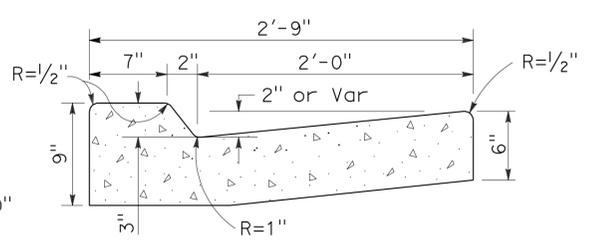
**TYPE B1 CURBS**  
See Table A



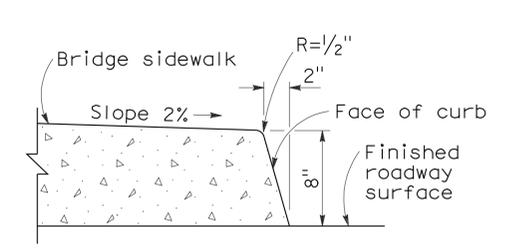
**TYPE B2 CURBS**  
See Table A



**TYPE B3 CURBS**  
Superimposed on existing pavement  
See Table A



**TYPE B4 CURBS**



**TYPE H CURB**  
On Bridges

**NOTES:**

- Case A driveway section typically applies.
- Use Case B driveway section when ramp slopes would exceed 10% in Case A.
- Use Case B driveway section when sidewalk cross slope would exceed 2% in Case A.
- X=3'-0" except for curb heights over 10" where 4:1 slopes shall be used on curb slope.
- X is a variable when sidewalk is located where wheelchairs may traverse the surface. Slopes shall not exceed 8.33%.
- Sidewalk and ramp thickness "T" at driveway shall be 4" for residential and 6" for commercial.
- Difference in slope of the driveway ramp and the slope of a line between the gutter and a point on the roadway 5'-0" from gutter line shall not exceed 15%. Reduce driveway ramp slope, not gutter slope, where required.
- Minimum width of clear passageway for sidewalk shall be 4'-0".
- Retaining curbs and acquisition of construction easement may be necessary for narrow sidewalks or curb heights in excess of 6".
- Across the pedestrian route at curb ramp locations, the gutter pan slope shall not exceed 1" of depth for each 2'-0" of width.

**CURBS**

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

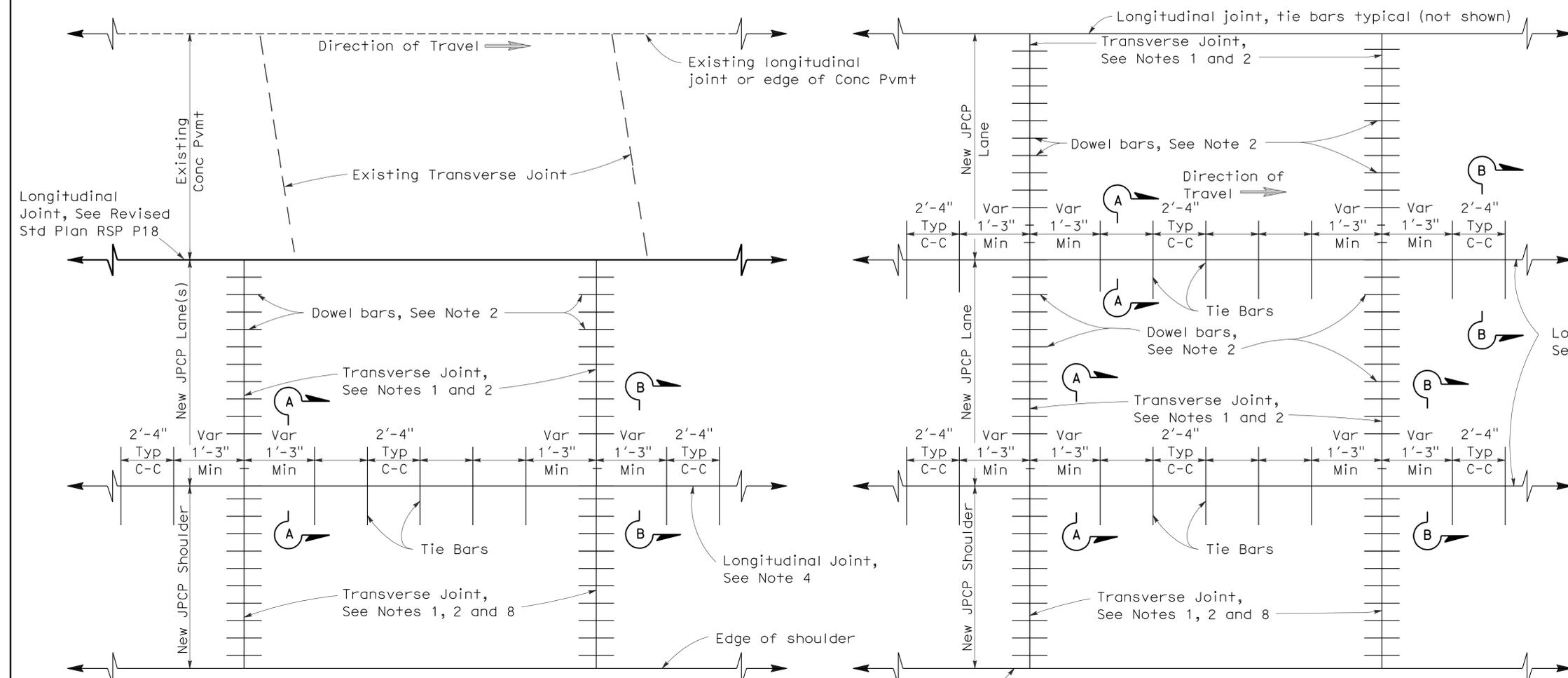
**CURBS AND DRIVEWAYS**

NO SCALE

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	9.0,9.2	9	45

William K. Farnbach  
 REGISTERED CIVIL ENGINEER  
 May 15, 2009  
 PLANS APPROVAL DATE  
 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.  
 REGISTERED PROFESSIONAL ENGINEER  
 William K. Farnbach  
 No. C49042  
 Exp. 9-30-10  
 CIVIL  
 STATE OF CALIFORNIA

To accompany plans dated 5-7-12



**PLAN**  
**LANE/SHOULDER ADDITION OR RECONSTRUCTION**

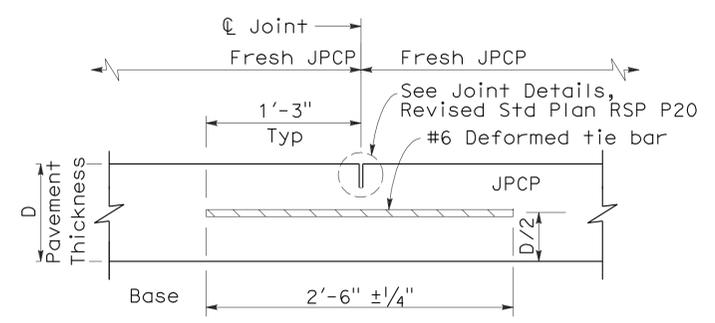
See Notes 6 and 7

**PLAN**  
**NEW CONSTRUCTION**

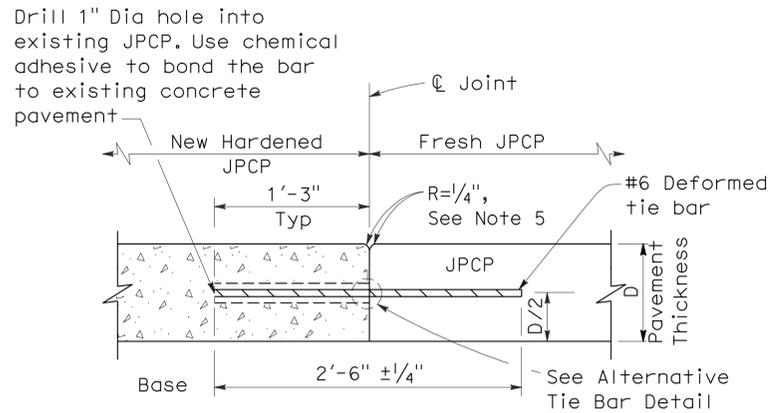
See Notes 6 and 7

**NOTES:**

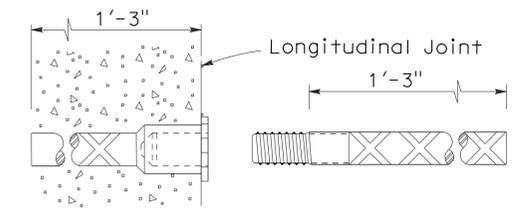
1. Transverse joints shall be constructed at right angles to the longitudinal pavement joints in new jointed plain concrete pavement and spaced at successive repeated intervals of 12', 15', 13' and 14'.
2. For transverse joint and dowel bar details not shown, See Revised Standard Plan RSP P10.
3. Construct longitudinal contraction joints as shown in Section A-A when more than one lane or shoulder widths are placed at one time. If constructing one lane at a time, use longitudinal construction joint, as shown in Section B-B.
4. For additional longitudinal joint details, see Revised Standard Plan RSP P18.
5. If fresh concrete is placed adjacent to existing concrete, the top corner of the new hardened concrete does not need to be rounded to the 1/4" radius as shown.
6. Joint spacing patterns do not apply to intersections.
7. Details can also apply to inside widening.
8. Dowel bars may be omitted from shoulders when the shoulder cross slope is not the same as the adjacent traffic lane.



**SECTION A-A**  
**LONGITUDINAL CONTRACTION JOINT**



**SECTION B-B**  
**LONGITUDINAL CONSTRUCTION JOINT**



**ALTERNATIVE TIE BAR SPLICE DETAIL**  
(Splice Coupler)

**TIE BAR DETAILS**

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**JOINTED PLAIN  
CONCRETE PAVEMENT**

NO SCALE

RSP P1 DATED MAY 15, 2009 SUPERSEDES STANDARD PLAN P1  
DATED MAY 1, 2006 - PAGE 119 OF THE STANDARD PLANS BOOK DATED MAY 2006.

**REVISED STANDARD PLAN RSP P1**

2006 REVISED STANDARD PLAN RSP P1

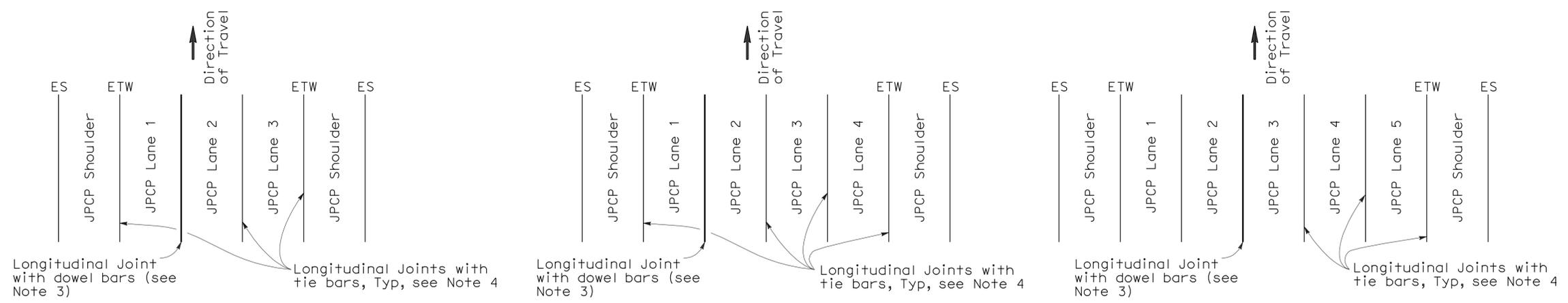
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	9.0,9.2	10	45

William K. Farnbach  
 REGISTERED CIVIL ENGINEER  
 April 20, 2012  
 PLANS APPROVAL DATE

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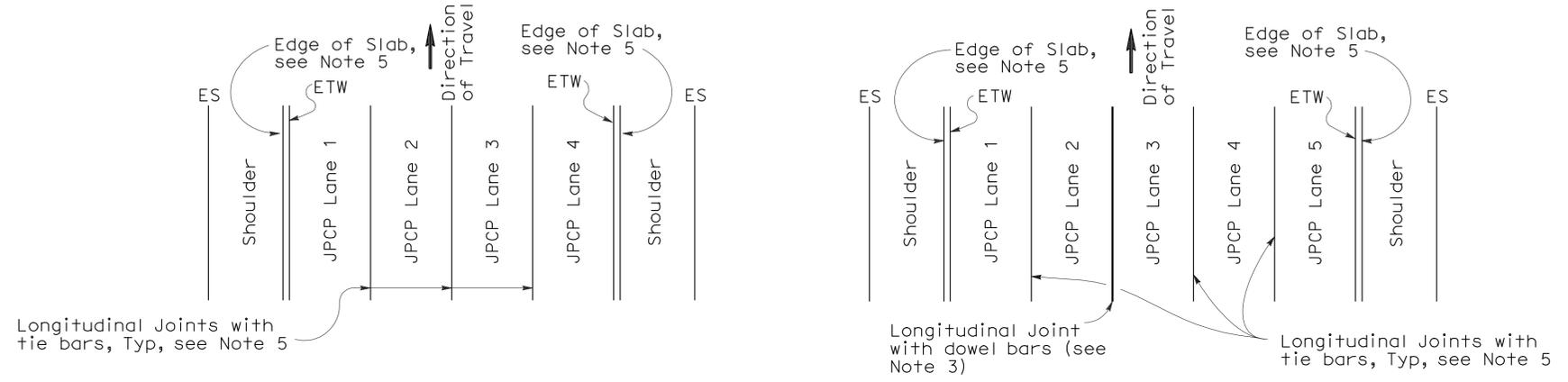
To accompany plans dated 5-7-12

2006 REVISED STANDARD PLAN RSP P18

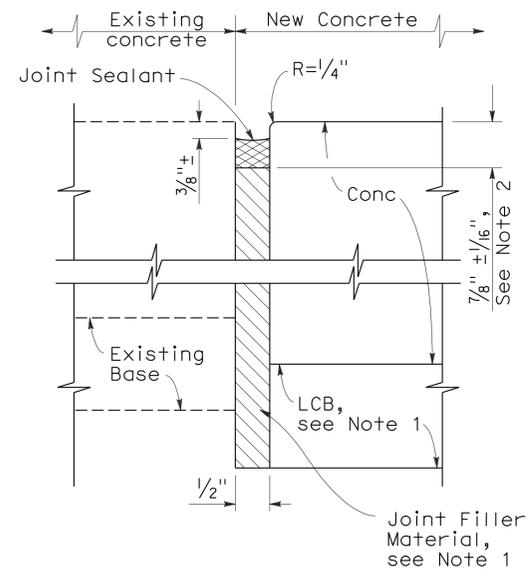


**3 LANES WITH TIED CONCRETE SHOULDERS PLAN**     
 **4 LANES WITH TIED CONCRETE SHOULDERS PLAN**     
 **5 LANES WITH TIED CONCRETE SHOULDERS PLAN**

- NOTES:**
- Where Lean Concrete Base is not used as base material, the joint filler material used for the longitudinal isolation joint shall only extend to the bottom of the new concrete slab. See Detail A.
  - Use  $5/8" \pm 1/16"$  dimension for silicone sealant.
  - See Revised Standard Plan RSP P10 for longitudinal joint with dowel bars.
  - See Revised Standard Plan RSP P1.
  - See Revised Standard Plan RSP P2.

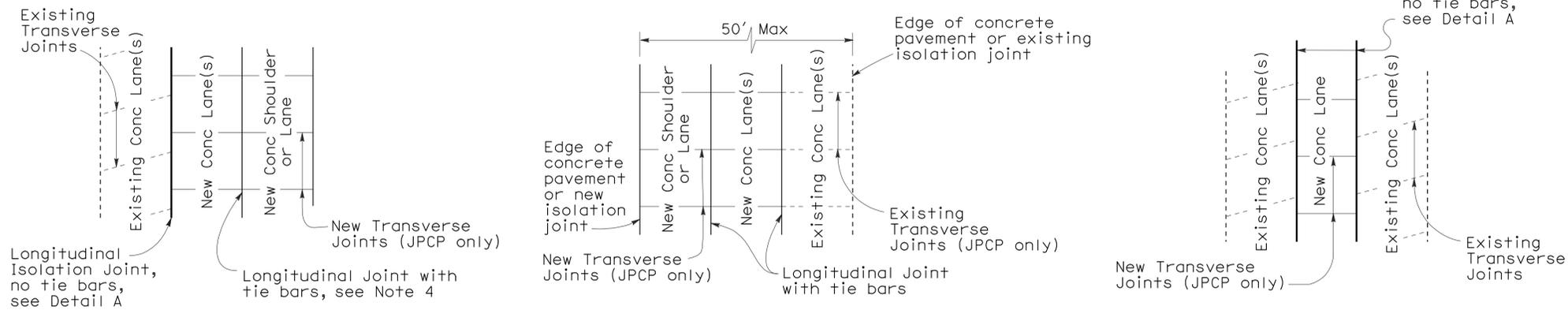


**4 LANES OR LESS WITH WIDENED SLAB PLAN**     
 **5 LANES WITH WIDENED SLAB PLAN**



**DETAIL A ISOLATION JOINT**

**NEW CONSTRUCTION**  
Location of Longitudinal Joints For JPCP



**CASE 1 PLAN**     
 **CASE 2 PLAN**     
 **CASE 3 (INTERIOR LANE REPLACEMENT) PLAN**

Transverse Joints do not align between new and existing  
 Transverse Joints align between new and existing  
 Transverse Joints do not align between new and existing

**LANE/SHOULDER ADDITION OR RECONSTRUCTION**  
For JPCP and CRCP

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
**CONCRETE PAVEMENT-LANE SCHEMATICS AND ISOLATION JOINT DETAIL**  
 NO SCALE

RSP P18 DATED APRIL 20, 2012 SUPERSEDES RSP P18 DATED JUNE 5, 2009, RSP P18 DATED MAY 15, 2009,  
 RSP P18 DATED NOVEMBER 17, 2006 AND STANDARD PLAN P18 DATED MAY 1, 2006 -  
 PAGE 127 OF THE STANDARD PLANS BOOK DATED MAY 2006.

**REVISED STANDARD PLAN RSP P18**

**NOTE:**

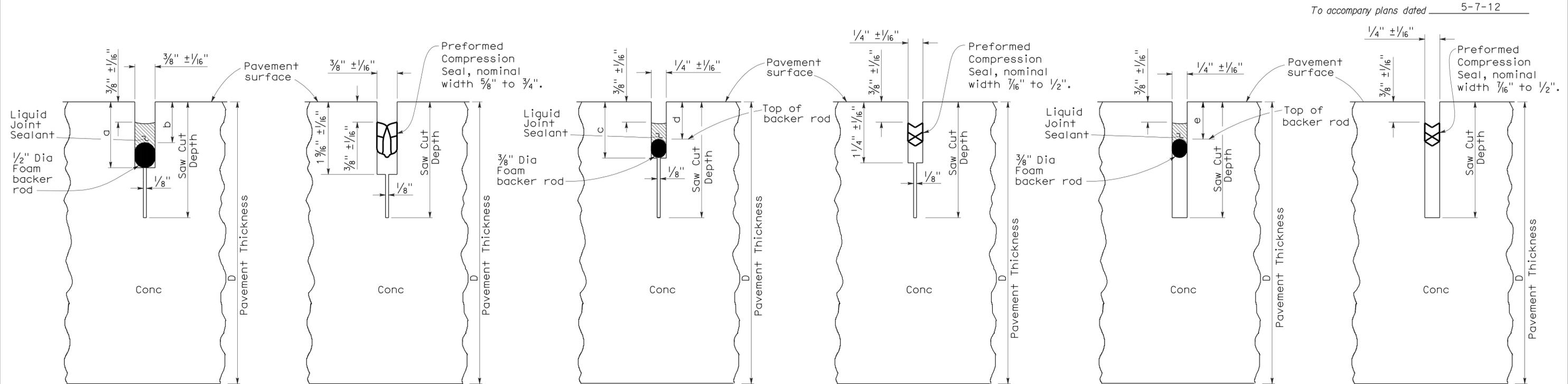
1. Tie bars, dowel bars, and reinforcement are not shown in joint seal details, see Revised Standard Plans RSP P1, RSP P3, RSP P10, RSP P35, RSP P45, or RSP P46 as applicable.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	9.0,9.2	11	45

*William K. Farnbach*  
 REGISTERED CIVIL ENGINEER  
 No. C49042  
 Exp. 9-30-10  
 STATE OF CALIFORNIA

May 15, 2009  
 PLANS APPROVAL DATE

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**LIQUID SEALANT**

**COMPRESSION SEAL**

**LIQUID SEALANT**

**COMPRESSION SEAL**

**LIQUID SEALANT**

**COMPRESSION SEAL**

**TYPE A1**

**TYPE A2**

**TYPE B**

Transverse Contraction Joints

Longitudinal Contraction Joints

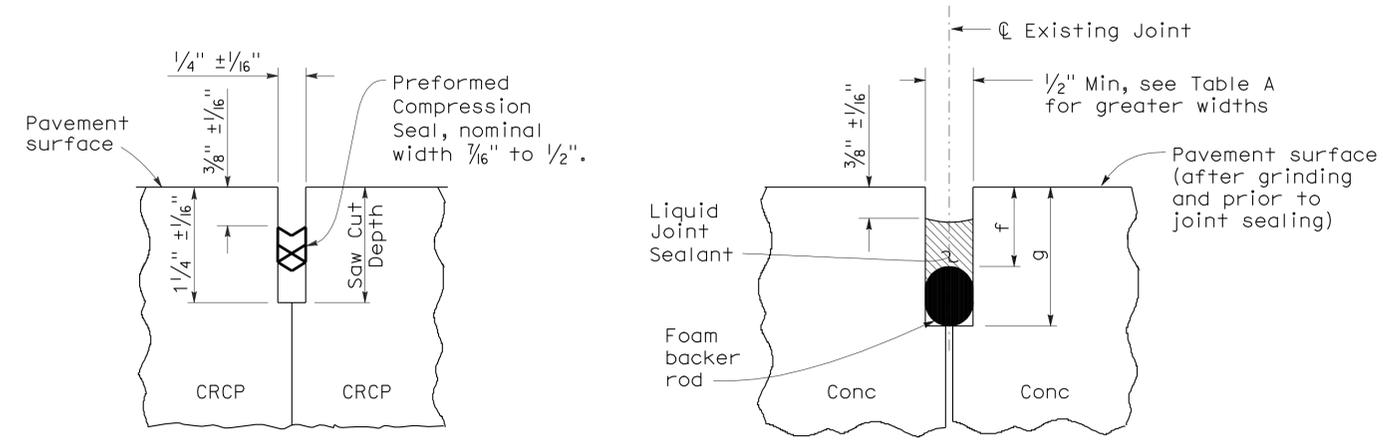
Longitudinal or Transverse Contraction Joint

**LIQUID SEALANT RESERVOIR DEPTH**

LIQUID SEALANT MATERIAL	3/8" Joint Width Type A1		1/4" Joint Width Type A2		1/4" Joint Width Type B
	DIMENSION		DIMENSION		DIMENSION
	a	b	c	d	e
SILICONE	1" ± 1/16"	5/8" ± 1/16"	15/16" ± 1/16"	9/16" ± 1/16"	9/16" ± 1/16"
ASPHALT RUBBER	1 3/16" ± 1/16"	3/4" ± 1/16"	1 1/16" ± 1/16"	11/16" ± 1/16"	11/16" ± 1/16"

**TABLE A (TYPE R JOINT)**

Sawn Joint Width	Backer Rod Diameter ± 1/16"	DIMENSION "f"	DIMENSION "g"
1"	1 5/16"	7/8"	2 1/4"
7/8"	1 3/16"	13/16"	2"
3/4"	1"	3/4"	1 3/4"
5/8"	7/8"	11/16"	1 1/2"
1/2"	11/16"	5/8"	1 1/4"



**COMPRESSION SEAL**

**LIQUID SEALANT**

**TYPE C**

**TYPE R**

Transverse and Longitudinal Construction Joints (For CRCP)

Retrofit Transverse and Longitudinal Joints

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
**CONCRETE PAVEMENT-JOINT DETAILS**

NO SCALE

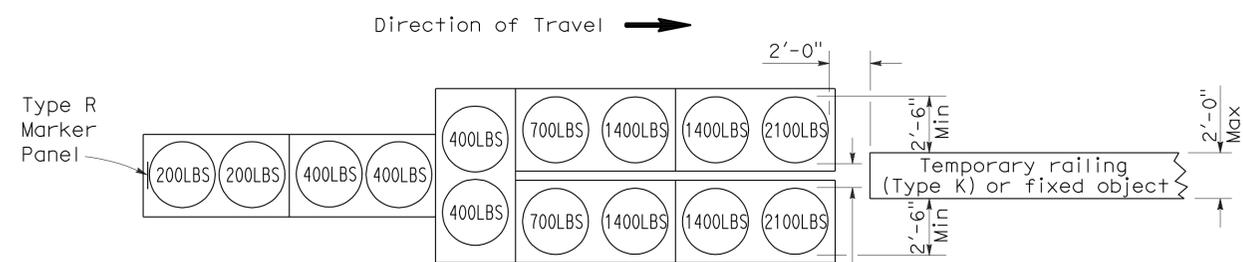
RSP P20 DATED MAY 15, 2009 SUPERSEDES STANDARD PLAN P20  
 DATED MAY 1, 2006 - PAGE 128 OF THE STANDARD PLANS BOOK DATED MAY 2006.

**REVISED STANDARD PLAN RSP P20**

2006 REVISED STANDARD PLAN RSP P20

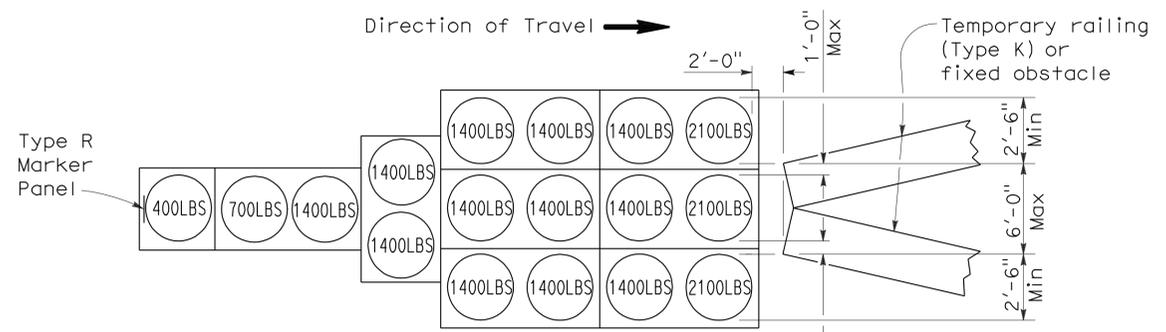
To accompany plans dated 5-7-12

2006 REVISED STANDARD PLAN RSP T1A



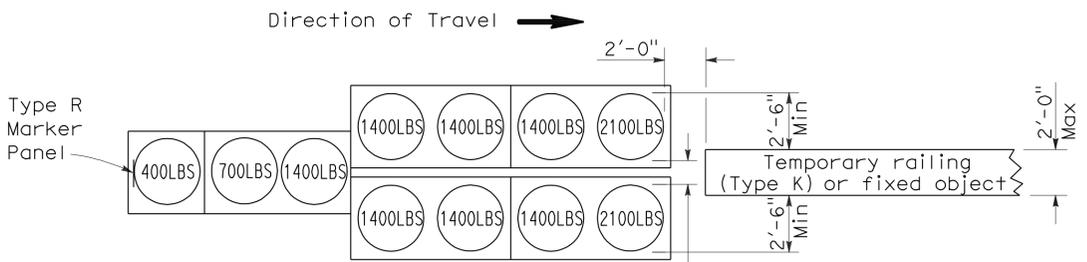
**ARRAY 'TU14'**

Approach speed 45 mph or more



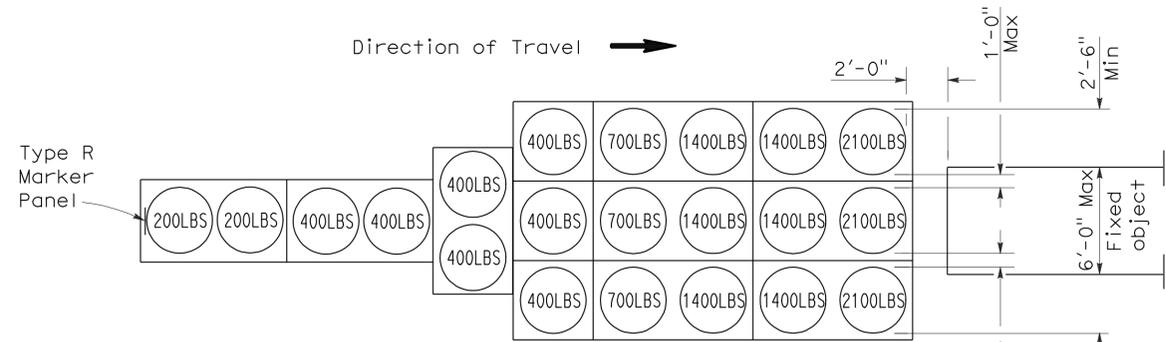
**ARRAY 'TU17'**

Approach speed less than 45 mph



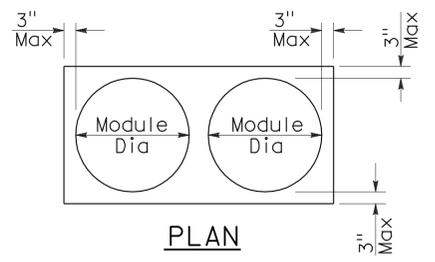
**ARRAY 'TU11'**

Approach speed less than 45 mph

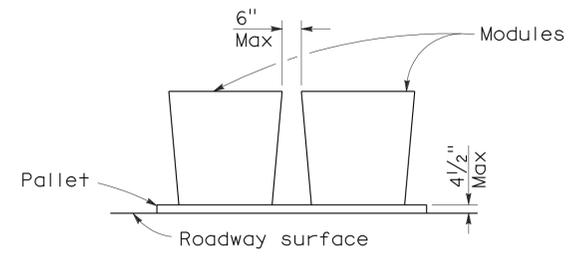


**ARRAY 'TU21'**

Approach speed 45 mph or more



**PLAN**



**ELEVATION**

**CRASH CUSHION PALLET DETAIL**

See Note 7

**NOTES:**

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. Temporary crash cushion arrays shall not encroach on the traveled way.
4. Place the top of Type R marker panel 1" below the module lid.
5. Refer to Standard Plan A73B for marker details.
6. Approach speeds indicated conform to NCHRP 350 Report criteria.
7. Use of pallets is optional.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**TEMPORARY CRASH CUSHION,  
SAND FILLED  
(UNIDIRECTIONAL)**

NO SCALE

RSP T1A DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1A  
DATED MAY 1, 2006 - PAGE 211 OF THE STANDARD PLANS BOOK DATED MAY 2006.

**REVISED STANDARD PLAN RSP T1A**

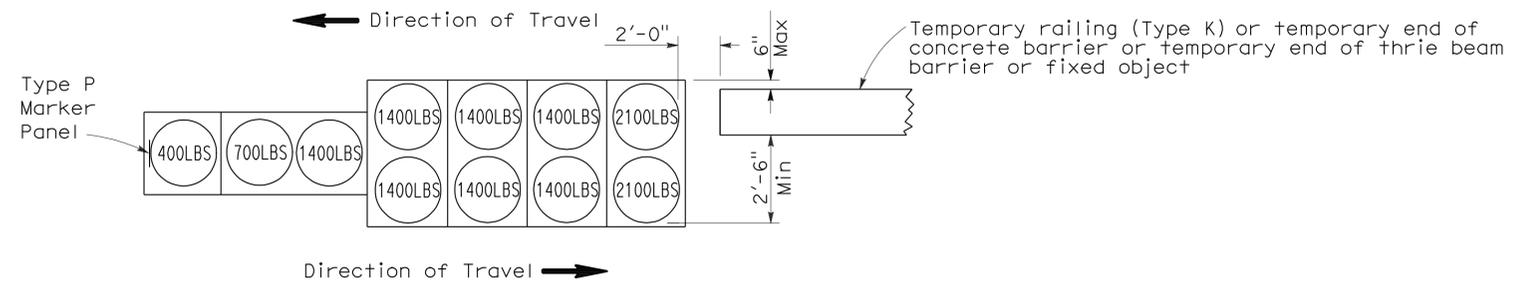
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	9.0,9.2	13	45

*Randell D. Hiatt*  
REGISTERED CIVIL ENGINEER

June 6, 2008  
PLANS APPROVAL DATE

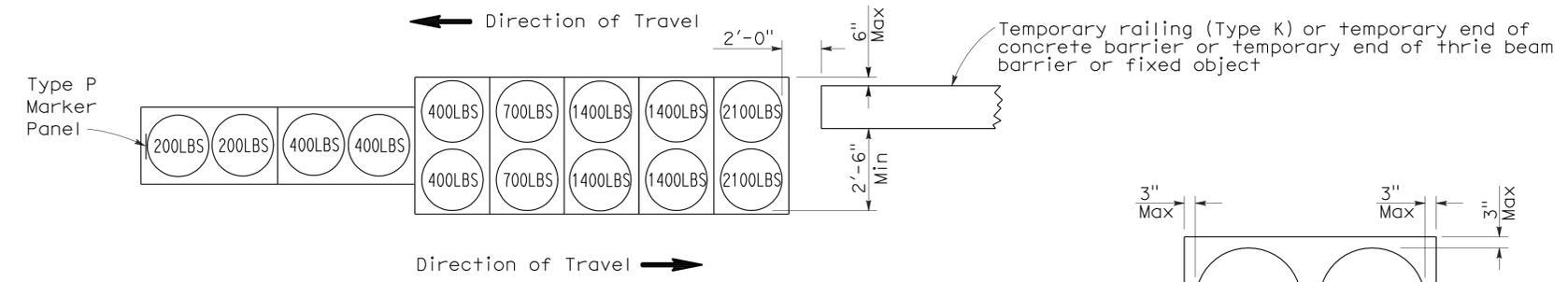
*The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.*

To accompany plans dated 5-7-12



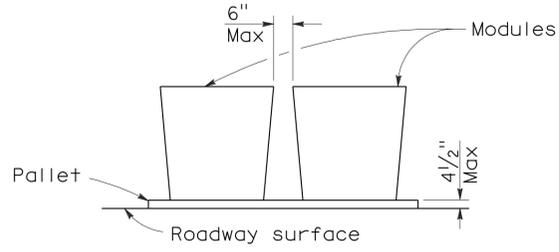
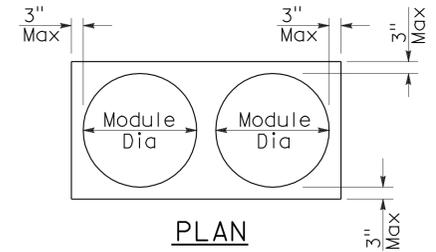
**ARRAY 'TB11'**

Approach speed less than 45 mph



**ARRAY 'TB14'**

Approach speed 45 mph or more



**CRASH CUSHION PALLET DETAIL**  
See Note 7

**NOTES:**

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. Temporary crash cushion arrays shall not encroach on the traveled way.
4. Place the Type P marker panel so that the bottom of the panel rests upon the pallet.
5. Refer to Standard Plan A73B for marker details.
6. Approach speeds indicated conform to NCHRP 350 Report criteria.
7. Use of pallets is optional.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**TEMPORARY CRASH CUSHION,  
SAND FILLED  
(BIDIRECTIONAL)**

NO SCALE  
RSP T1B DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1B  
DATED MAY 1, 2006 - PAGE 212 OF THE STANDARD PLANS BOOK DATED MAY 2006.

**REVISED STANDARD PLAN RSP T1B**

2006 REVISED STANDARD PLAN RSP T1B

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	9.0,9.2	14	45

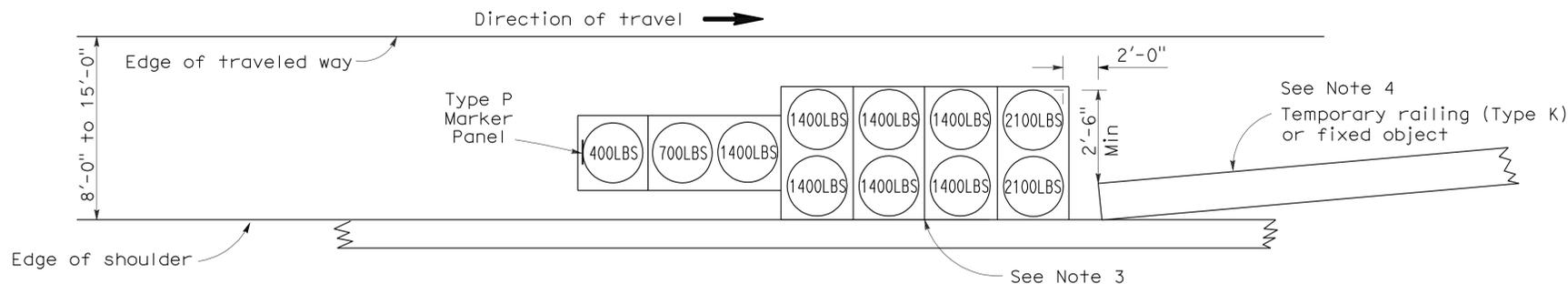
*Randell D. Hiatt*  
REGISTERED CIVIL ENGINEER

June 6, 2008  
PLANS APPROVAL DATE

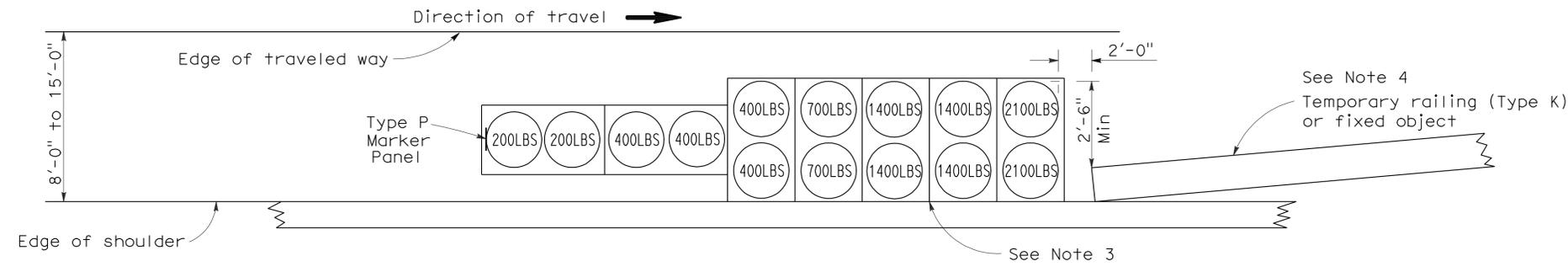
*Randell D. Hiatt*  
REGISTERED PROFESSIONAL ENGINEER  
No. C50200  
Exp. 6-30-09  
CIVIL  
STATE OF CALIFORNIA

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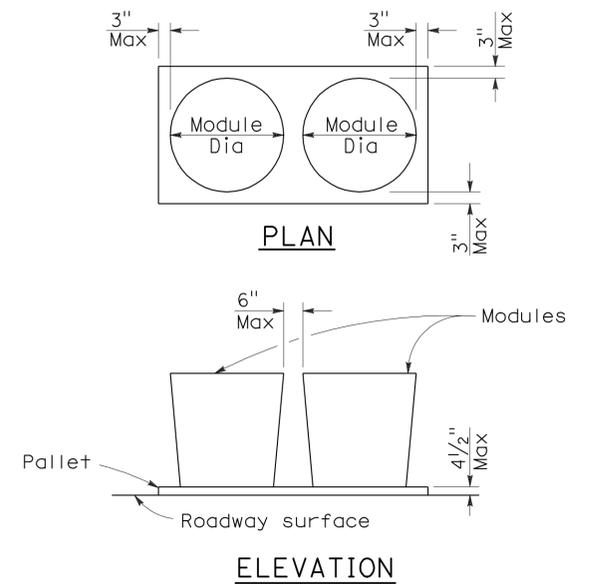
To accompany plans dated 5-7-12



**ARRAY 'TS11'**  
Approach speed less than 45 mph  
See Note 9



**ARRAY 'TS14'**  
Approach speed 45 mph or more  
See Note 9



**CRASH CUSHION PALLET DETAIL**  
See Note 11

**NOTES:**

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. The temporary crash cushion arrays shown on this plan shall be used only in locations where there will be traffic on one side of the temporary crash cushion array.
4. If the fixed object or approach end of the temporary railing is less than 15'-0" from the edge of traveled way, a temporary crash cushion is required in a construction or work zone.
5. Temporary crash cushion arrays shall not encroach on the traveled way.
6. Arrays for median shoulders shall conform to details shown on this plan for outside shoulders.
7. Place the Type P marker panel so that the bottom of the panel rests upon the pallet and faces traffic.
8. Refer to Standard Plan A73B for marker details.
9. For shoulder widths less than 8'-0", appropriate approved crash cushion protection, other than sand filled modules, shall be provided at fixed objects and at approach ends of temporary railing. The specific type of crash cushion shall be as shown on the project plans or as specified in the Special Provisions, or if not shown on the project plans or specified in the Special Provisions, shall be as approved by the Engineer.
10. Approach speeds indicated conform to NCHRP 350 Report criteria.
11. Use of pallets is optional.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**TEMPORARY CRASH CUSHION,  
SAND FILLED  
(SHOULDER INSTALLATIONS)**

NO SCALE  
RSP T2 DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T2  
DATED MAY 1, 2006 - PAGE 213 OF THE STANDARD PLANS BOOK DATED MAY 2006.

**REVISED STANDARD PLAN RSP T2**

2006 REVISED STANDARD PLAN RSP T2

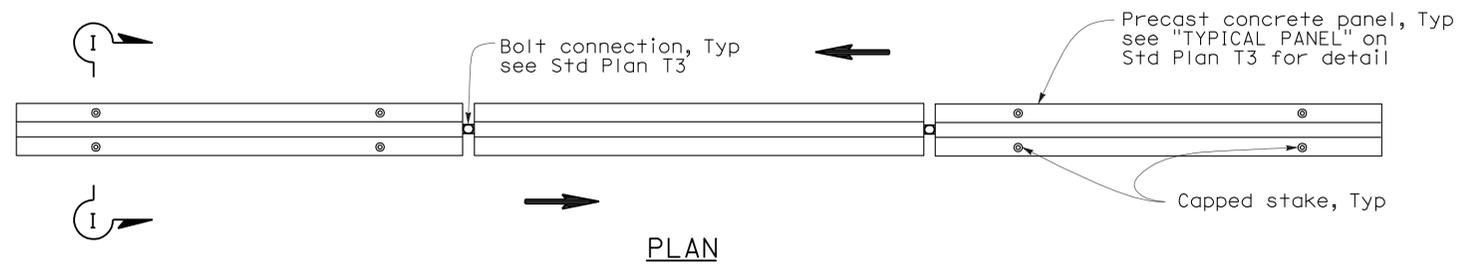
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	9.0,9.2	15	45

*Randell D. Hiatt*  
REGISTERED CIVIL ENGINEER

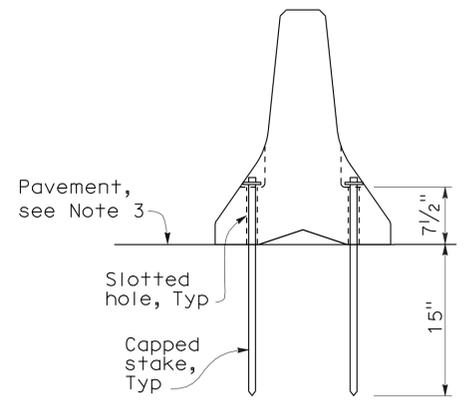
May 20, 2011  
PLANS APPROVAL DATE

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To accompany plans dated 5-7-12

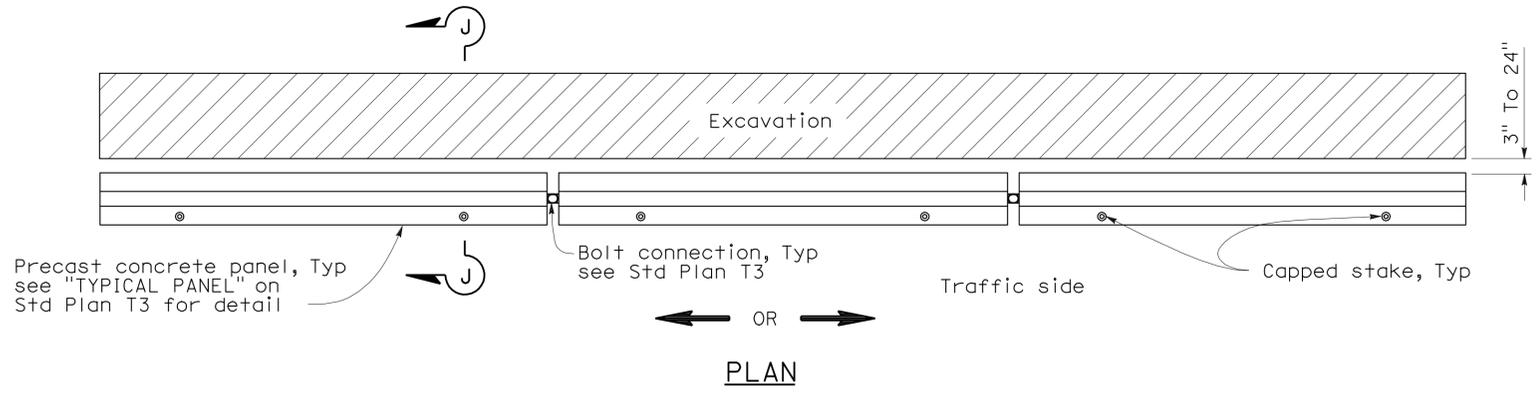


**RAILING STAKING CONFIGURATION FOR TWO-WAY TRAFFIC**  
See Note 1

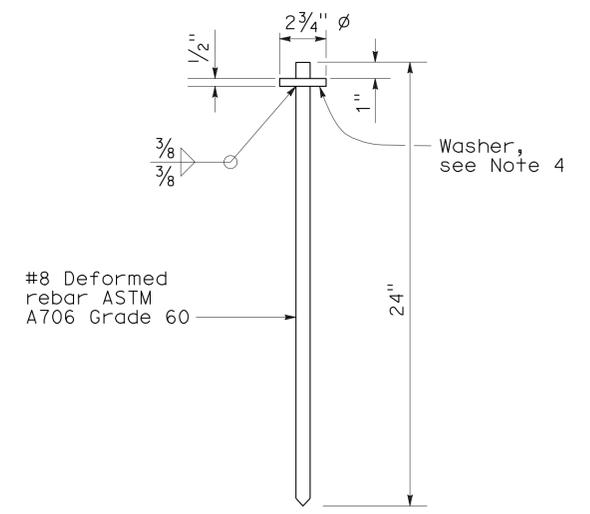
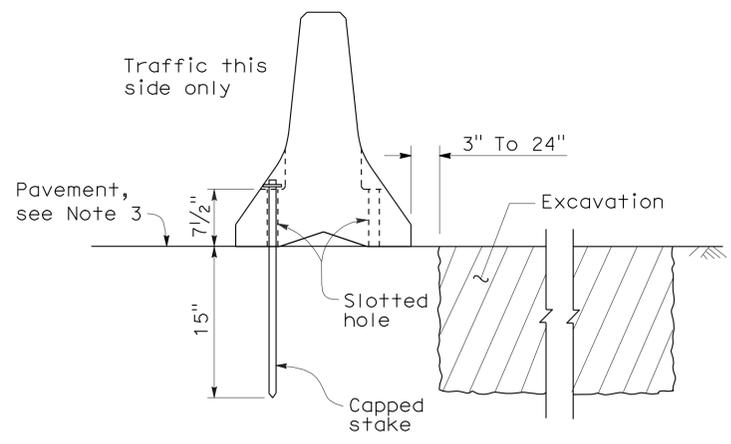


**NOTES:**

1. Where Type K Temporary Railing is placed as a temporary or long term barrier in two-way traffic on highways with less than 24" from the edge of traveled way, use four capped stakes per every other panel with end panels staked.
2. Where Type K Temporary Railing is placed 3" to 24" from the edge of an excavation on highways, use two capped stakes per panel along the traffic side.
3. Staked Type K Temporary Railing must be supported by at least 4" thick concrete, hot mix asphalt or existing asphalt concrete pavement.
4. The minimum yield strength for the washer must be 60,000 psi.
5. Direction of adjacent traffic indicated by  $\Rightarrow$ .



**RAILING STAKING CONFIGURATION ADJACENT TO AN EXCAVATION**  
See Note 2



STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**TEMPORARY RAILING  
(TYPE K)**

NO SCALE

NSP T3A DATED MAY 20, 2011 SUPPLEMENTS  
THE STANDARD PLANS BOOK DATED MAY 2006.

2006 NEW STANDARD PLAN NSP T3A

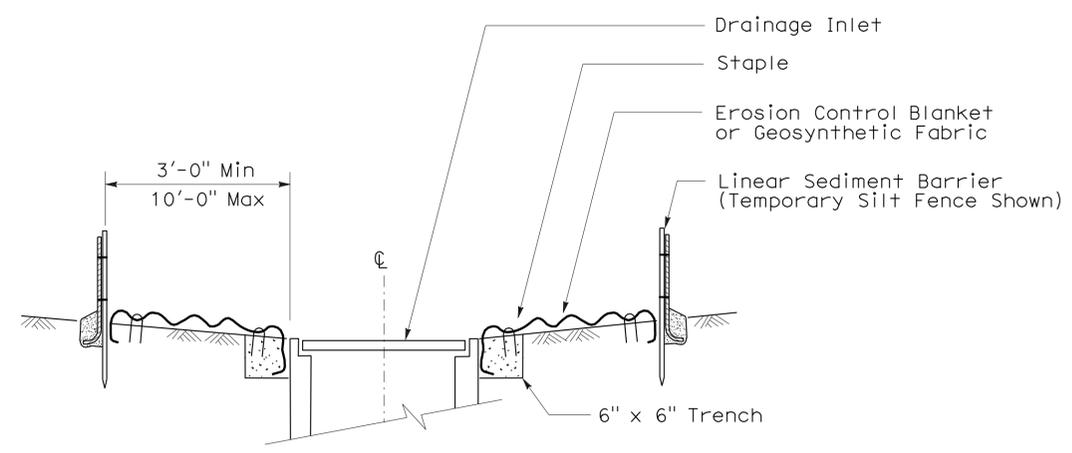
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	9.0,9.2	16	45

*Robert B. Schott*  
 LICENSED LANDSCAPE ARCHITECT  
 August 15, 2008  
 PLANS Approval DATE  
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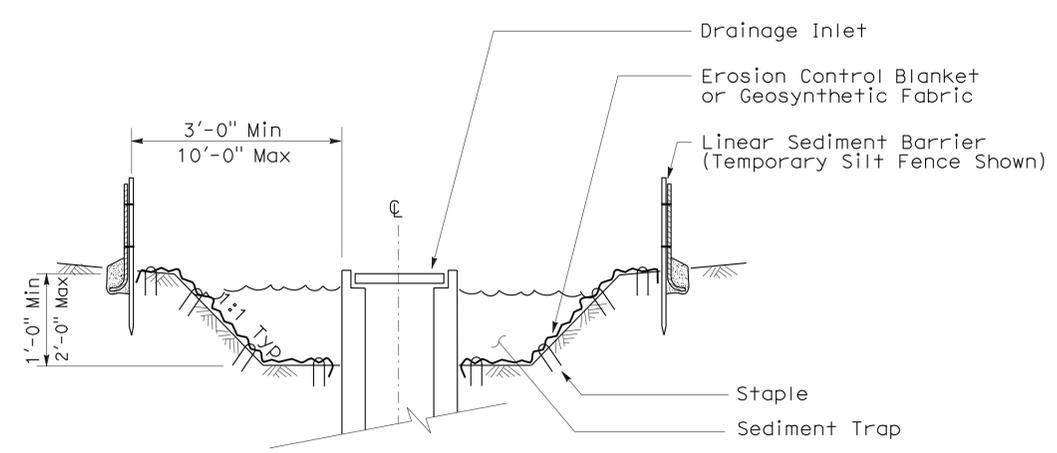


To accompany plans dated 5-7-12

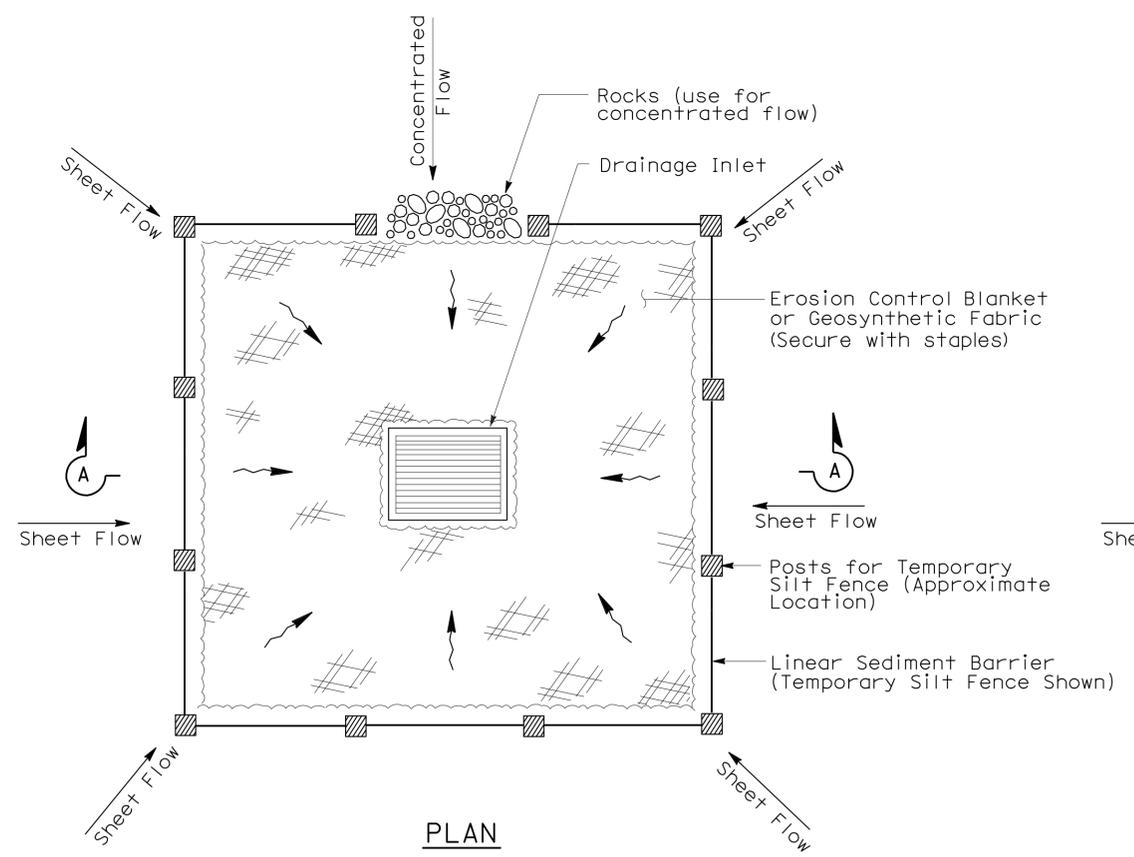
- NOTES:**
1. See Standard Plan T51 for Temporary Silt Fence.
  2. Dimensions may vary to fit field conditions.



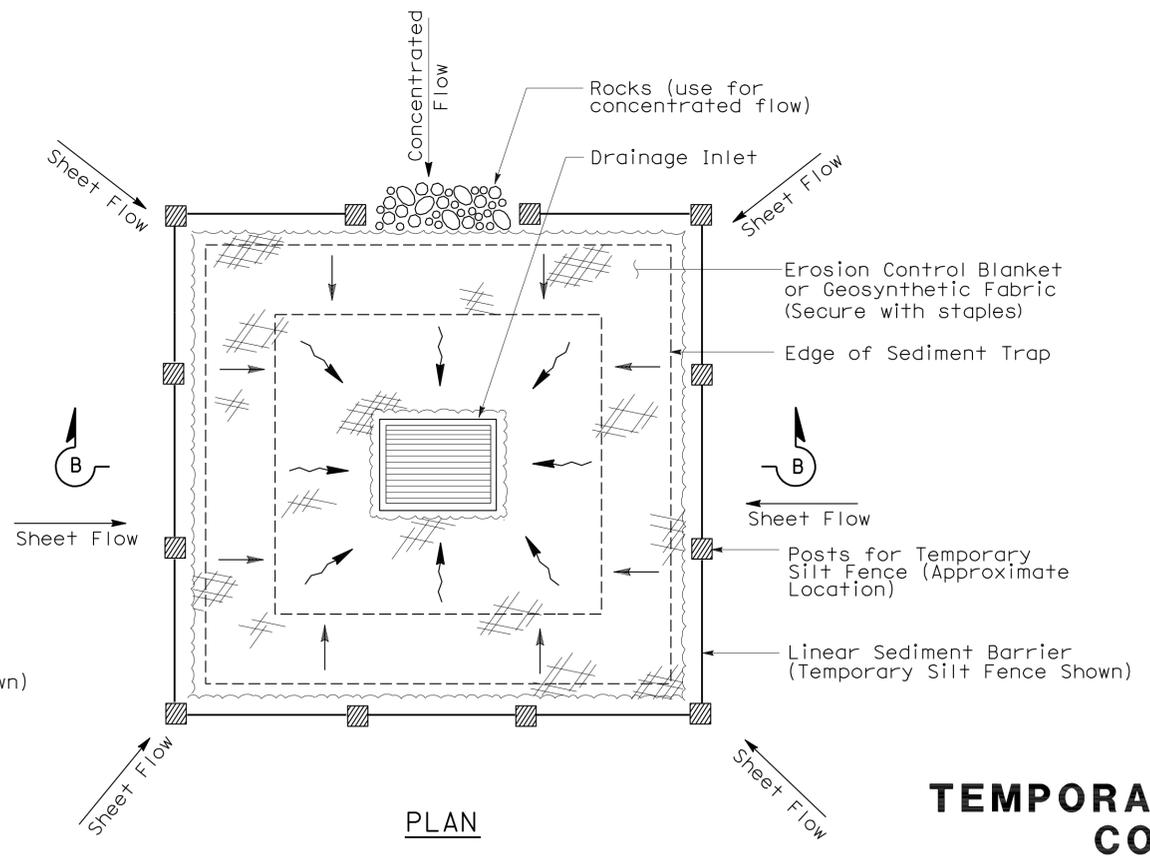
**SECTION A-A**



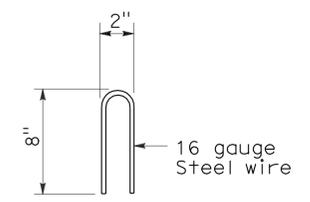
**SECTION B-B**



**TEMPORARY DRAINAGE INLET PROTECTION (TYPE 1)**



**TEMPORARY DRAINAGE INLET PROTECTION (TYPE 2) (EXCAVATED SEDIMENT TRAP)**



**STAPLE DETAIL**

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
**TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY DRAINAGE INLET PROTECTION)**  
 NO SCALE

NSP T61 DATED AUGUST 15, 2008 SUPPLEMENTS THE STANDARD PLANS BOOK DATED MAY 2006.

2006 NEW STANDARD PLAN NSP T61

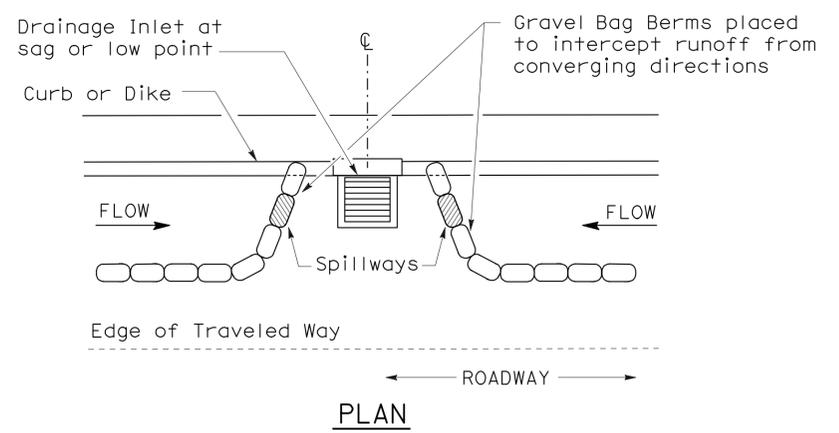


To accompany plans dated 5-7-12

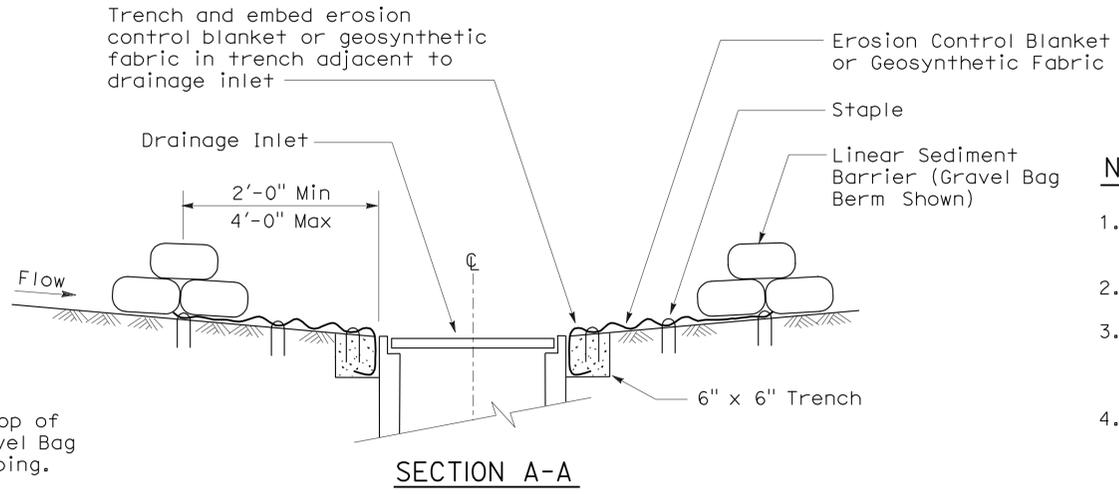
### GRAVEL BAG BERM (TYPE 3A) SPACING TABLE

SLOPE OF ROADWAY (PERCENT)	1 to 3.9	4 to 5.9	6 to 7.9	8 to 10	10+
INTERVAL BETWEEN BERM	100'	75'	50'	25'	12'

For slope of less than 1%, install barriers only if erosion/sediment is prevalent



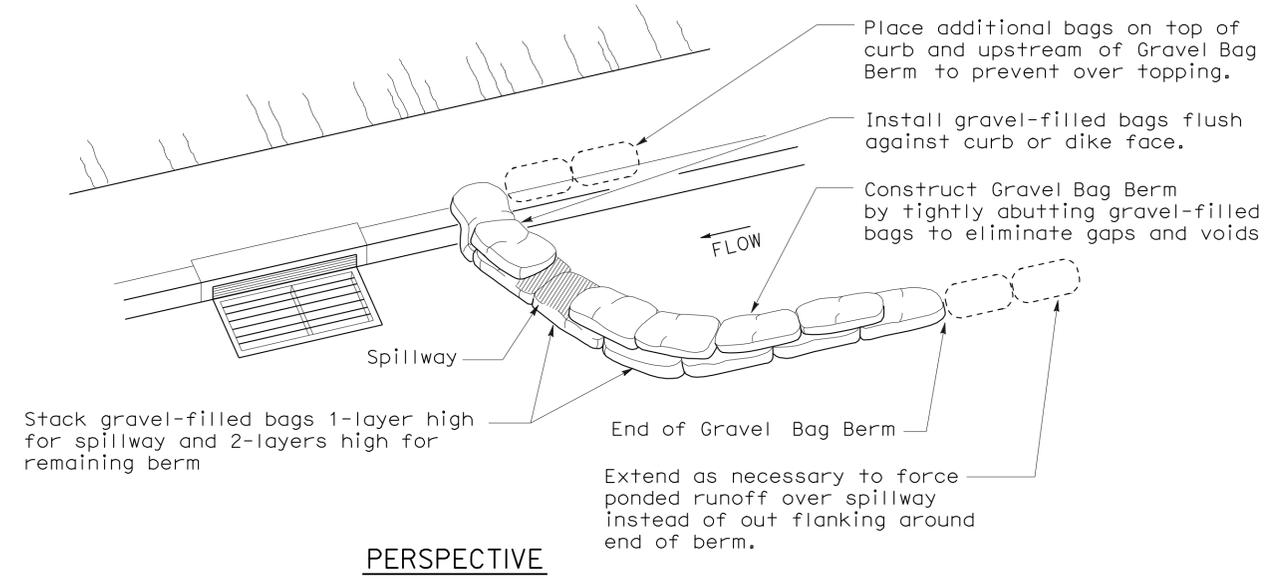
**PLAN**  
**CONFIGURATION FOR SAG POINT INLET (GRAVEL BAG BERM)**



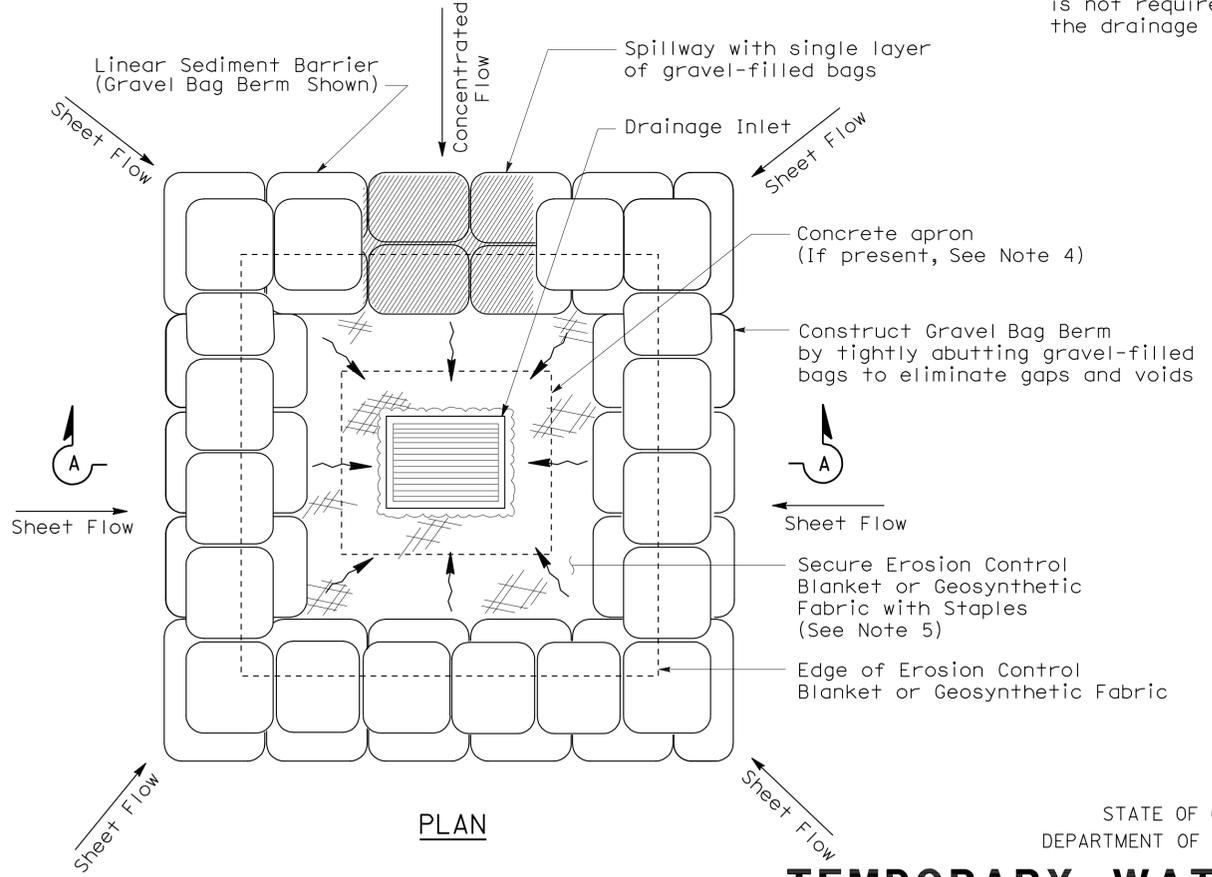
**SECTION A-A**

**NOTES:**

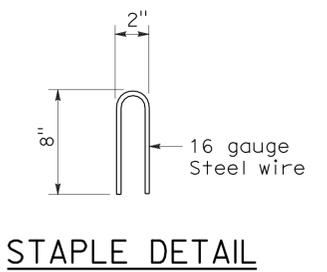
1. Place safety cones adjacent to drainage inlet protection.
2. Dimensions may vary to fit field conditions.
3. Install a minimum of 3 gravel bag berms upstream of each drainage inlet to be protected.
4. Position erosion control blanket or geosynthetic fabric at edge of concrete apron and secure in trench.
5. Erosion control blanket or geosynthetic fabric is not required if the area adjacent to the drainage inlet is vegetated or paved.



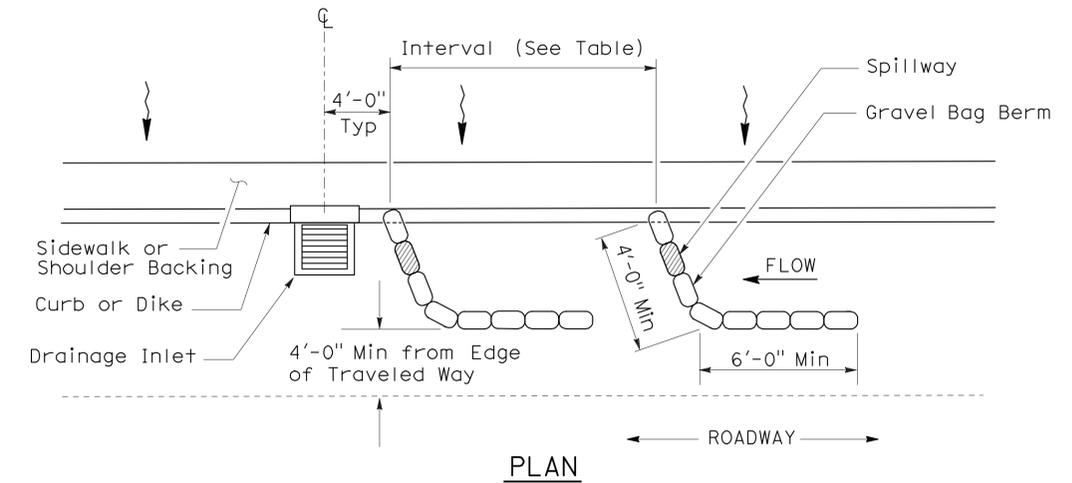
**PERSPECTIVE**



**PLAN**  
**TEMPORARY DRAINAGE INLET PROTECTION (TYPE 3B)**



**STAPLE DETAIL**



**PLAN**  
**TEMPORARY DRAINAGE INLET PROTECTION (TYPE 3A) (GRAVEL BAG BERM)**

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY DRAINAGE INLET PROTECTION)**

NO SCALE  
NSP T62 DATED AUGUST 15, 2008 SUPPLEMENTS THE STANDARD PLANS BOOK DATED MAY 2006.

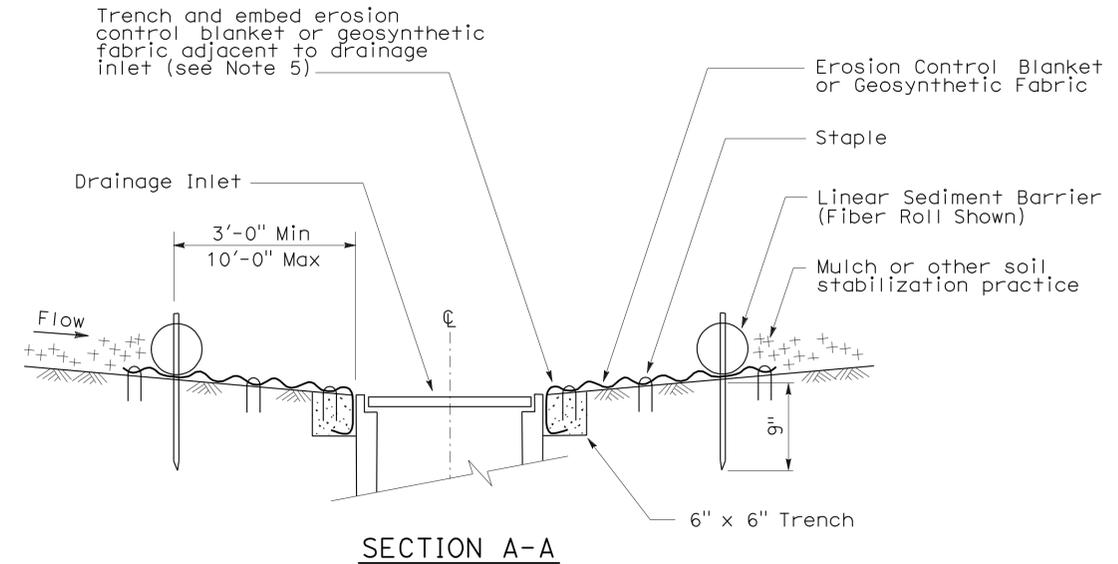
2006 NEW STANDARD PLAN NSP T62

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	9.0,9.2	18	45

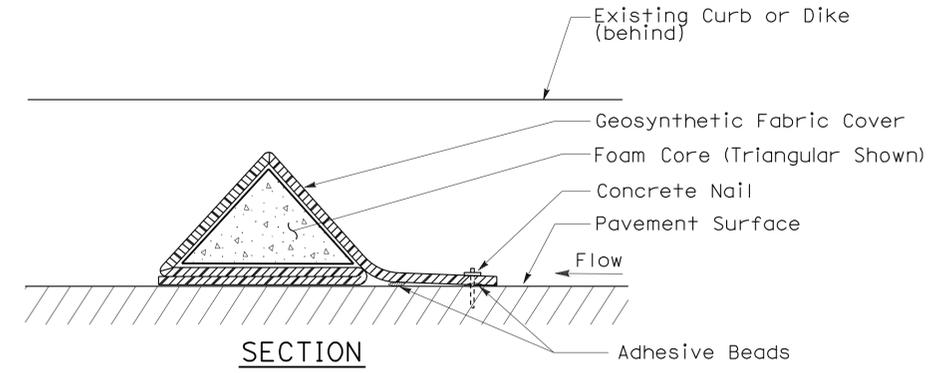
Robert B. Schott  
 LICENSED LANDSCAPE ARCHITECT  
 August 15, 2008  
 PLANS APPROVAL DATE  
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

**FLEXIBLE SEDIMENT BARRIER SPACING TABLE**

SLOPE OF ROADWAY (PERCENT)	0 to 0.9	1 to 1.9	2 to 2.9	3 to 4	5+
INTERVAL BETWEEN BARRIERS	50'	35'	30'	25'	20'
ANGLE FROM FACE OF CURB	70°	70°	70°	45°	45°
SUGGESTED BARRIER LENGTH	6'	6'	6'	6'	6'



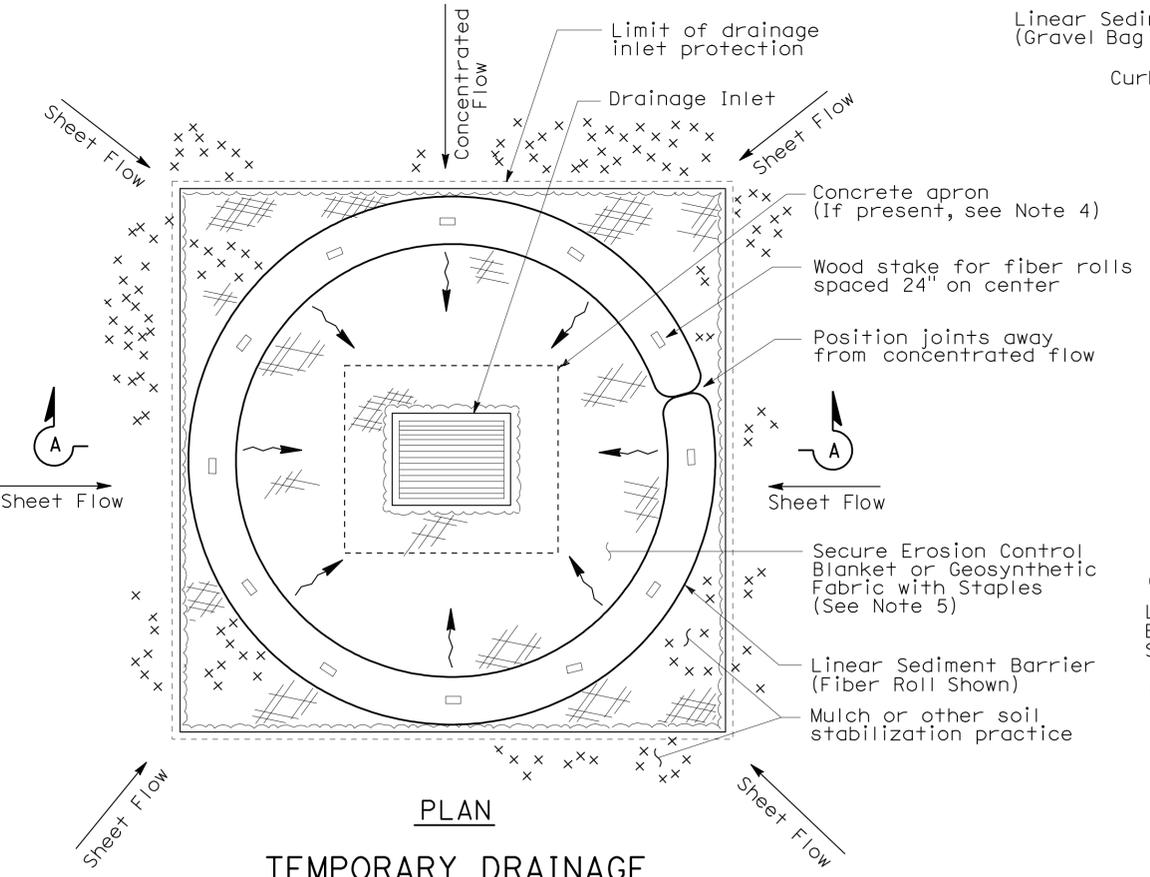
**SECTION A-A**



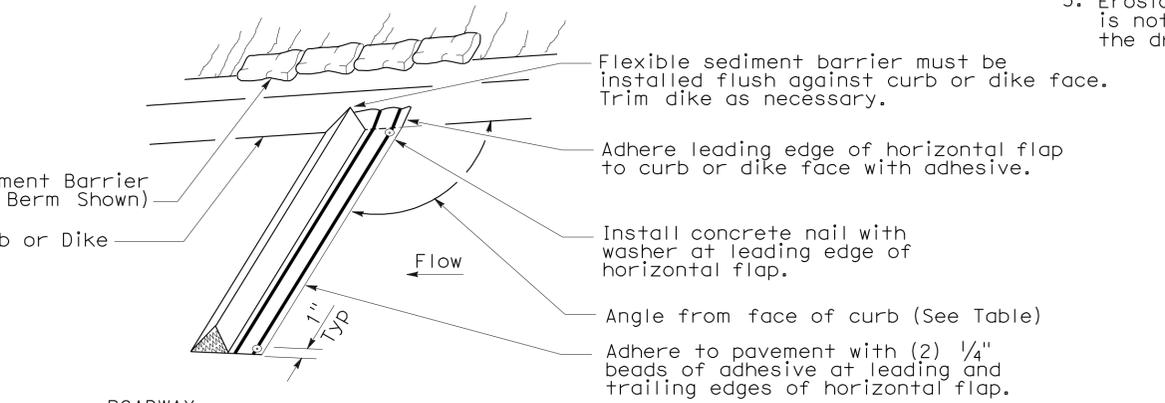
**SECTION FLEXIBLE SEDIMENT BARRIER DETAIL (FOAM BARRIER SHOWN)**

**NOTES:**

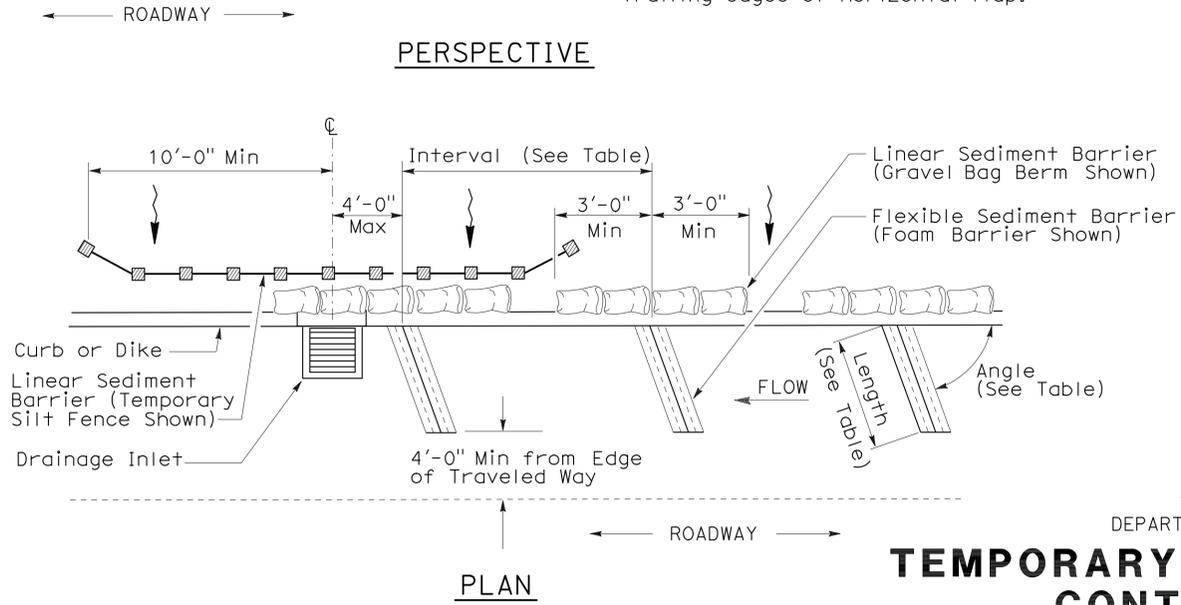
1. See Standard Plan T51 for Temporary Silt Fence.
2. Dimensions may vary to fit field conditions.
3. Install a minimum of 3 flexible sediment barriers upstream of each drainage inlet to be protected.
4. Position erosion control blanket or geosynthetic fabric at edge of concrete apron and secure in trench.
5. Erosion control blanket or geosynthetic fabric is not required if the area adjacent to the drainage inlet is vegetated.



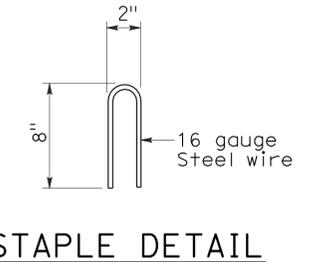
**PLAN TEMPORARY DRAINAGE INLET PROTECTION (TYPE 4A)**



**PERSPECTIVE**



**PLAN TEMPORARY DRAINAGE INLET PROTECTION (TYPE 4B) FLEXIBLE SEDIMENT BARRIER**



**STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY DRAINAGE INLET PROTECTION)**

NO SCALE  
 NSP T63 DATED AUGUST 15, 2008 SUPPLEMENTS THE STANDARD PLANS BOOK DATED MAY 2006.

2006 NEW STANDARD PLAN NSP T63

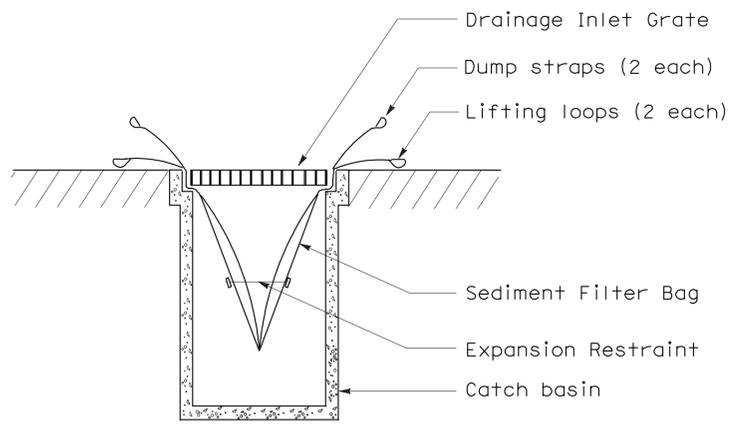
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	9.0,9.2	19	45

*Robert B. Schott*  
 LICENSED LANDSCAPE ARCHITECT

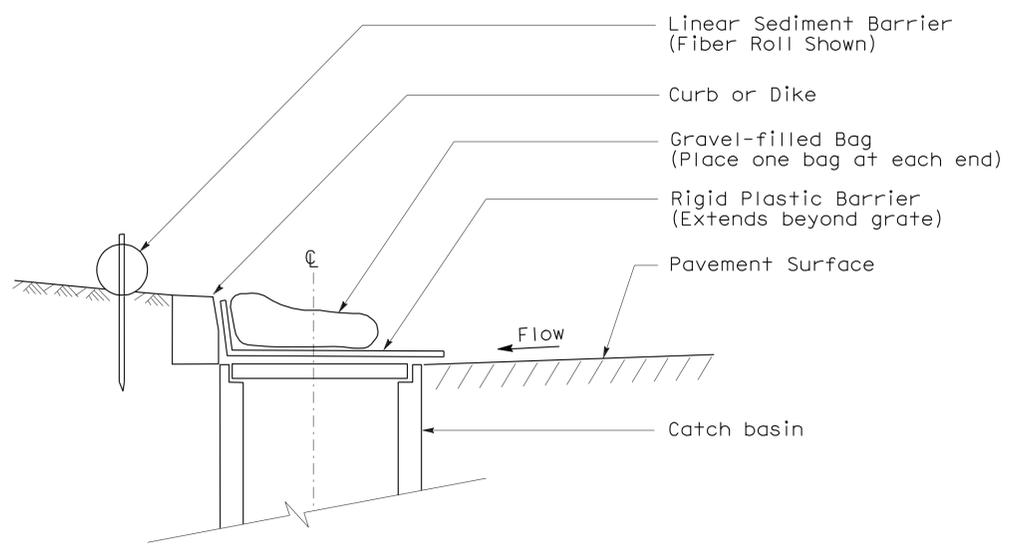
August 15, 2008  
 PLANS APPROVAL DATE

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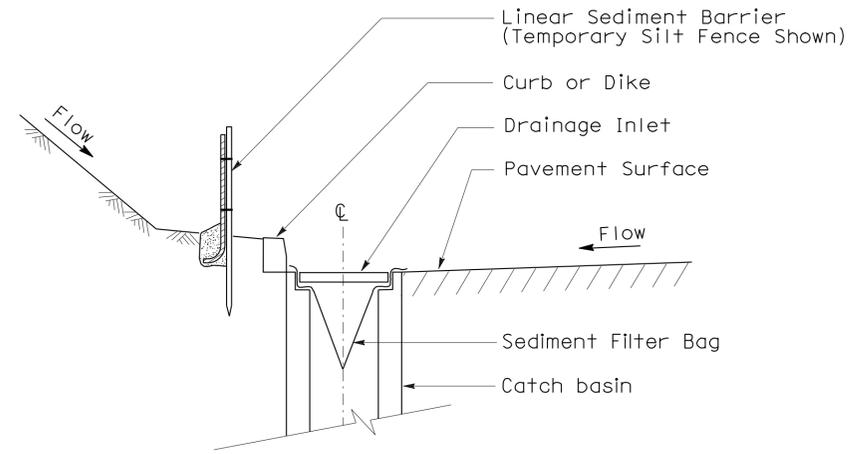
To accompany plans dated 5-7-12



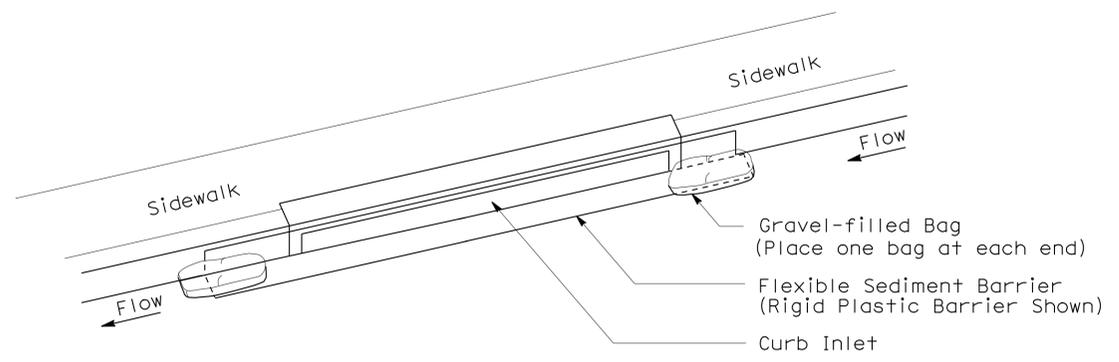
SECTION B-B  
SEDIMENT FILTER BAG DETAIL



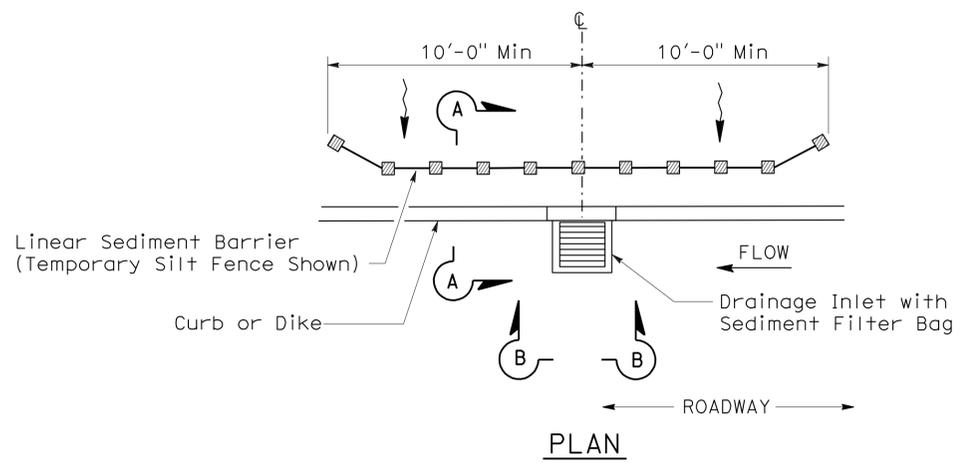
SECTION  
TEMPORARY DRAINAGE  
INLET PROTECTION (TYPE 6A)  
(CATCH BASIN WITH GRATE)



SECTION A-A



PERSPECTIVE  
TEMPORARY DRAINAGE  
INLET PROTECTION (TYPE 6B)  
(CURB INLET WITHOUT GRATE)



PLAN  
TEMPORARY DRAINAGE  
INLET PROTECTION (TYPE 5)  
(SEDIMENT FILTER BAG)

- NOTES:**
- See Standard Plan T51 for Temporary Silt Fence.
  - Dimensions may vary to fit field conditions.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY DRAINAGE INLET PROTECTION)**

NO SCALE

NSP T64 DATED AUGUST 15, 2008 SUPPLEMENTS THE STANDARD PLANS BOOK DATED MAY 2006.

**NEW STANDARD PLAN NSP T64**

2006 NEW STANDARD PLAN NSP T64

# ELECTROLIERS

STANDARD TYPES		
15, 15D		High mast light pole
15 STRUCTURE		Double Arm lighting standard
21, 21D STRUCTURE		Existing electrolier
30		Electrolier foundation (Future installation)
31		
32		
35		
36-20A		

**NOTES:**

- Luminaires shall be 310 W HPS when installed on Type 21, 21D, 30, 31, 32, 35 and 36-20A Standards, unless otherwise specified. Luminaires shall be 200 W HPS when installed on other type standards or poles, unless otherwise specified.
- Luminaires shall be the cutoff type, ANSI Type III medium cutoff lighting distribution, unless otherwise specified.
- Variations noted adjacent to symbol on project plans.

- Electrolier (see project notes or project plans)
- Luminaire on wood pole

## STANDARD NOTES:

- AB** Abandon. If applied to conduit, remove conductors.
- BC** Install pull box in existing conduit run.
- BP** Pedestrian barricade, type as indicated on plan.
- CB** Install conduit into existing pull box.
- CC** Connect new and existing conduit. Remove existing conductors and install conductors as indicated.
- CF** Conduit to remain for future use. Remove conductors. Install pull wire or rope.
- DH** Detector handhole.
- FA** Foundation to be abandoned.
- IS** Install sign on signal mast arm.
- NS** No slip base on standard.
- PEC** Photoelectric control.
- PEU** Photoelectric unit.
- RC** Equipment or material to be removed and become the property of the Contractor.
- RE** Remove electrolier, fuses and ballast. Tape ends of conductors.
- RL** Relocate equipment.
- RR** Remove and reuse equipment.
- RS** Remove and salvage equipment.
- SC** Splice new to existing conductors.
- SD** Service disconnect.
- SF** Standard to remain for future use. Remove luminaire, pole conductors, fuses and ballast.
- TSP** Telephone service point.

# ABBREVIATIONS AND EQUIPMENT DESIGNATIONS

## PROPOSED EXISTING

BBS	bbs	Battery backup system
BC	bc	Bolt circle
C	C	Conduit
CCTV	cctv	Closed circuit television
CKT	ckt	Circuit
CMS	cms	Changeable message sign
DLC	dlc	Loop detector lead-in cable
EMS	ems	Extinguishable message sign
EVC	evc	Emergency vehicle cable
EVD	evd	Emergency vehicle detector
FB	fb	Flashing beacon
FBCA	fbca	Flashing beacon control assembly
FBS	fbs	Flashing beacon with slip base
FO	fo	Fiber optic
G	G	Ground (Equipment Grounding Conductor)
GFCI	GFCI	Ground fault circuit interrupt
HAR	har	Highway advisory radio
HEX	hex	Hexagonal
HPS	hps	High pressure sodium
IISNS	iisns	Internally illuminated street name sign
ISL	isl	Induction sign lighting
LED	led	Light emitting diode
LMA	lma	Luminaire mast arm
LPS	lps	Low pressure sodium
LTG	ltg	Lighting
LUM	lum	Luminaire
MAT	mat	Mast arm mounting vehicle signal faces, top attachment
MAS	mas	Mast arm mounting vehicle signal faces, side attachment
MAS-4A	mas-4A	Mast arm mounting vehicle signal faces, top attachment - 4 signal section
MAS-4B	mas-4B	Mast arm mounting vehicle signal faces, side attachment - 4 signal section
MAS-4C	mas-4C	Mast arm mounting vehicle signal faces, side attachment - 4 signal section
MAS-5A	mas-5A	Mast arm mounting vehicle signal faces, top attachment - 5 signal section
MAS-5B	mas-5B	Mast arm mounting vehicle signal faces, side attachment - 5 signal section
MC	mc	Mercury contactor
M/M	m/m	Multiple to multiple transformer
MT	mt	Conduit with pull wire or rope only
MTG	mtg	Mounting
	mv	Mercury vapor lighting fixture
N	N	Neutral (Grounded Conductor)
NC	NC	Normally closed
NO	NO	Normally open
PB	pb	Pull box
PEC	pec	Photoelectric control (Type I, II, III, IV or V as shown)
PED	ped	Pedestrian
PEU	peu	Photoelectric unit
PPB	ppb	Pedestrian push button
RL		Relocated equipment
RM	rm	Ramp metering
SB	sb	Slip base
SIC	sic	Signal interconnect cable
SIG	sig	Signal
SMA	sma	Signal mast arm
SNS	sns	Street name sign
SP	sp	Service point
TDC	tdc	Telephone demarcation cabinet
TMS	tms	Traffic monitoring station
TOS	tos	Traffic Operations System
VEH	veh	Vehicle
XFMR	xfmr	Transformer
COMM	comm	Communication
RWIS	rwis	Roadway weather information system

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	9.0,9.2	20	45

*Jeffery G. McRae*  
REGISTERED ELECTRICAL ENGINEER

October 5, 2007  
PLANS APPROVAL DATE

Jeffery G. McRae  
No. E14512  
Exp. 6-30-08  
ELECTRICAL  
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.

To accompany plans dated 5-7-12

## SOFFIT AND WALL MOUNTED LUMINAIRE

- Pendant, 70 W HPS unless otherwise specified.
- Flush, 70 W HPS unless otherwise specified.
- Wall surface, 70 W HPS unless otherwise specified.
- Existing soffit or wall luminaire to remain unmodified.
- Existing soffit or wall luminaire to be modified as specified.

### NOTE:

Arrow indicates "street side" of luminaire.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

## ELECTRICAL SYSTEMS (SYMBOLS AND ABBREVIATIONS)

NO SCALE

RSP ES-1A DATED OCTOBER 5, 2007 SUPERSEDES STANDARD PLAN ES-1A DATED MAY 1, 2006 - PAGE 400 OF THE STANDARD PLANS BOOK DATED MAY 2006.

**REVISED STANDARD PLAN RSP ES-1A**

2006 REVISED STANDARD PLAN RSP ES-1A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	9.0,9.2	21	45

*Jeffery G. McRae*  
 REGISTERED ELECTRICAL ENGINEER  
 No. E14512  
 Exp. 6-30-08  
 ELECTRICAL  
 STATE OF CALIFORNIA

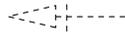
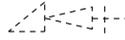
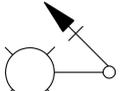
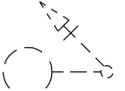
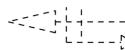
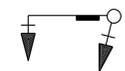
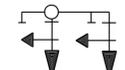
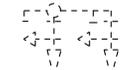
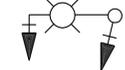
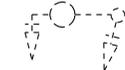
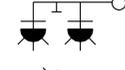
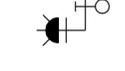
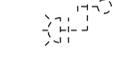
October 5, 2007  
 PLANS APPROVAL DATE

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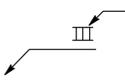
### CONDUIT

PROPOSED	EXISTING	
---	---	Lighting Conduit, unless otherwise indicated or noted
---	---	Traffic signal conduit
-C-	-c-	Communication conduit
-T-	-t-	Telephone conduit
-F-	-f-	Fire alarm conduit
-FO-	-fo-	Fiber optic conduit
---	---	Conduit termination 
		Conduit riser in/on structure or service pole

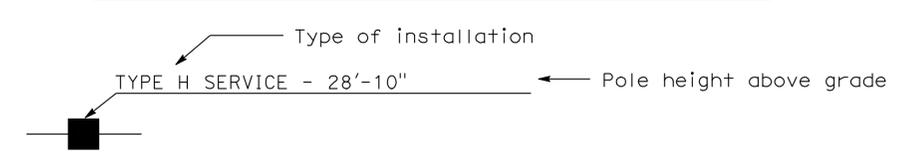
### SIGNAL EQUIPMENT

PROPOSED	EXISTING	
		Pedestrian signal face
		Pedestrian push button post
		Pedestrian barricade
		Vehicle signal face (with backplate, 3-Section: red, yellow and green)
		Vehicle signal face with angle visors
		Modifications of basic symbols: "L" indicates all non-arrow sections louvered "LG" indicates louvered green section only "PV" indicates 12" programmed visibility sections "8" indicates all 8" sections (only when specified)
		Type 15TS and Vehicle signal face
		Vehicle signal face with red, yellow and green left arrow sections
		Vehicle signal face with red and yellow sections and up green arrow
		Vehicle signal face (5 Section) with red, yellow and green sections and yellow and green right arrows
		Type 1 Standard and attached vehicle signal faces
		Standard with signal mast arm only and attached vehicle signal faces and internally illuminated street name sign
		Type 33 Standard, Left-turn vehicle signal face and sign
		Standard with luminaire and signal mast arms and attached vehicle signal faces
		Cantilever flashing beacon Type 9 Frame, with a sign unless otherwise specified or indicated
		Type 15-FBS Standard with two vehicle signal face sections with lens, backplate and visor with a sign
		Flashing beacon. One vehicle signal face section with lens, backplate and visor. "R" indicates red indication, "Y" indicates yellow indication
		Controller assembly. Door indicates front of cabinet

### SERVICE EQUIPMENT

PROPOSED	EXISTING	
---OH	---oh	Overhead lines
		Wood pole "U" indicates utility owned
		Pole guy with anchor
		Utility transformer - ground mounted
		Service equipment enclosure type
		Service equipment enclosure door indicates front of enclosure
		Telephone demarcation cabinet

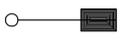
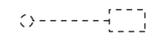
### POLE-MOUNTED SERVICE DESIGNATION



### ILLUMINATED OVERHEAD SIGN

PROPOSED	EXISTING	
		Overhead sign - Single post
		Overhead sign - Two post
		Overhead sign - Mounted on structure
		Overhead sign with electrolier

### SIGNAL EQUIPMENT Cont

PROPOSED	EXISTING	
		Guard post
		Type 1 Standard with "Meter On" sign
		Emergency Vehicle detector

### NOTES:

1. All signal sections shall be 12" unless shown otherwise.
2. Signal heads shall be provided with backplates unless shown otherwise.
3. Signal indication shall be LED.

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
**ELECTRICAL SYSTEMS  
 (SYMBOLS AND ABBREVIATIONS)**  
 NO SCALE

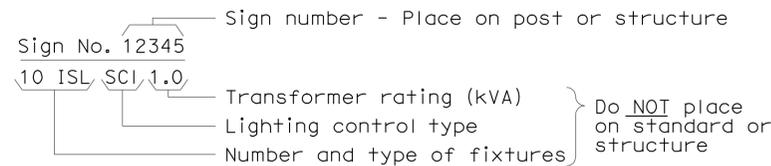
RSP ES-1B DATED OCTOBER 5, 2007 SUPERCEDES STANDARD PLAN ES-1B  
 DATED MAY 1, 2006 - PAGE 401 OF THE STANDARD PLANS BOOK DATED MAY 2006.

**REVISED STANDARD PLAN RSP ES-1B**

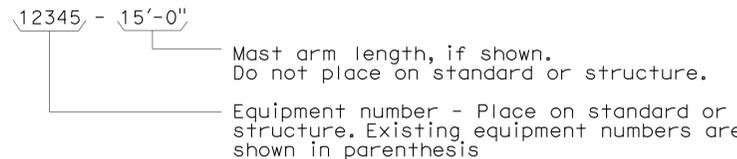
2006 REVISED STANDARD PLAN RSP ES-1B

### EQUIPMENT IDENTIFICATION

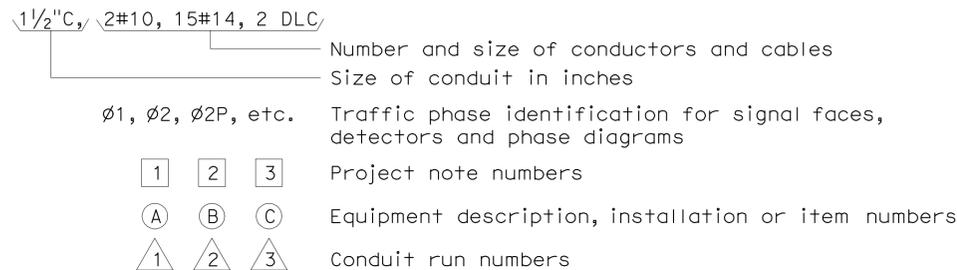
#### ILLUMINATED SIGN IDENTIFICATION NUMBER:



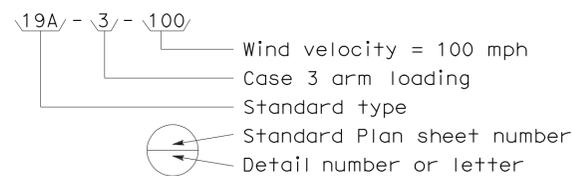
#### ELECTROLIER OR EQUIPMENT IDENTIFICATION NUMBER:



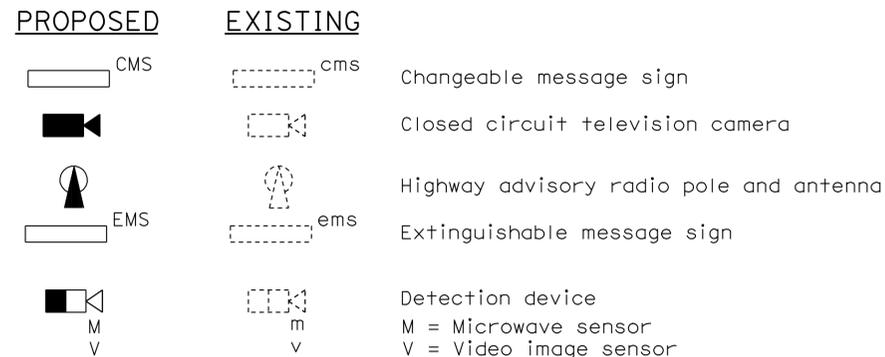
#### CONDUIT AND CONDUCTOR IDENTIFICATION:



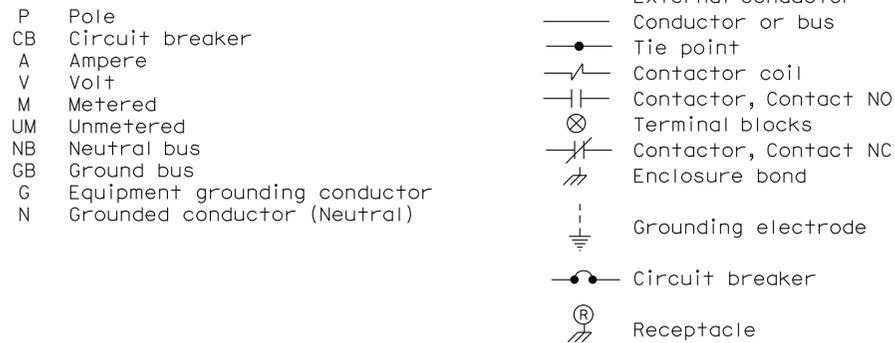
#### SIGNAL AND LIGHTING STANDARD (TYPICAL DESIGNATION):



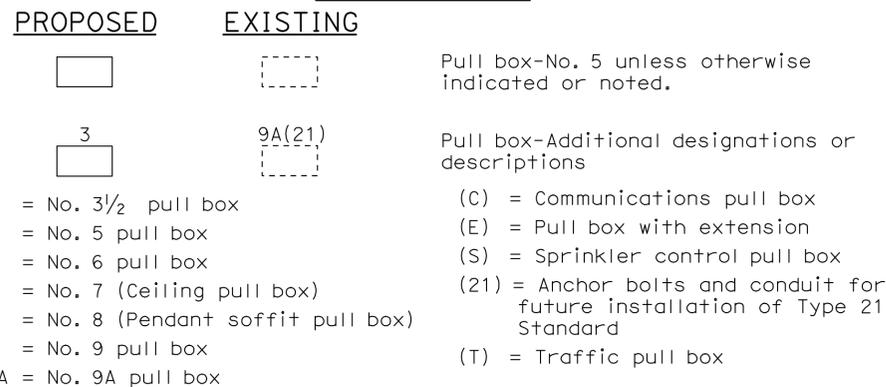
### MISCELLANEOUS EQUIPMENT



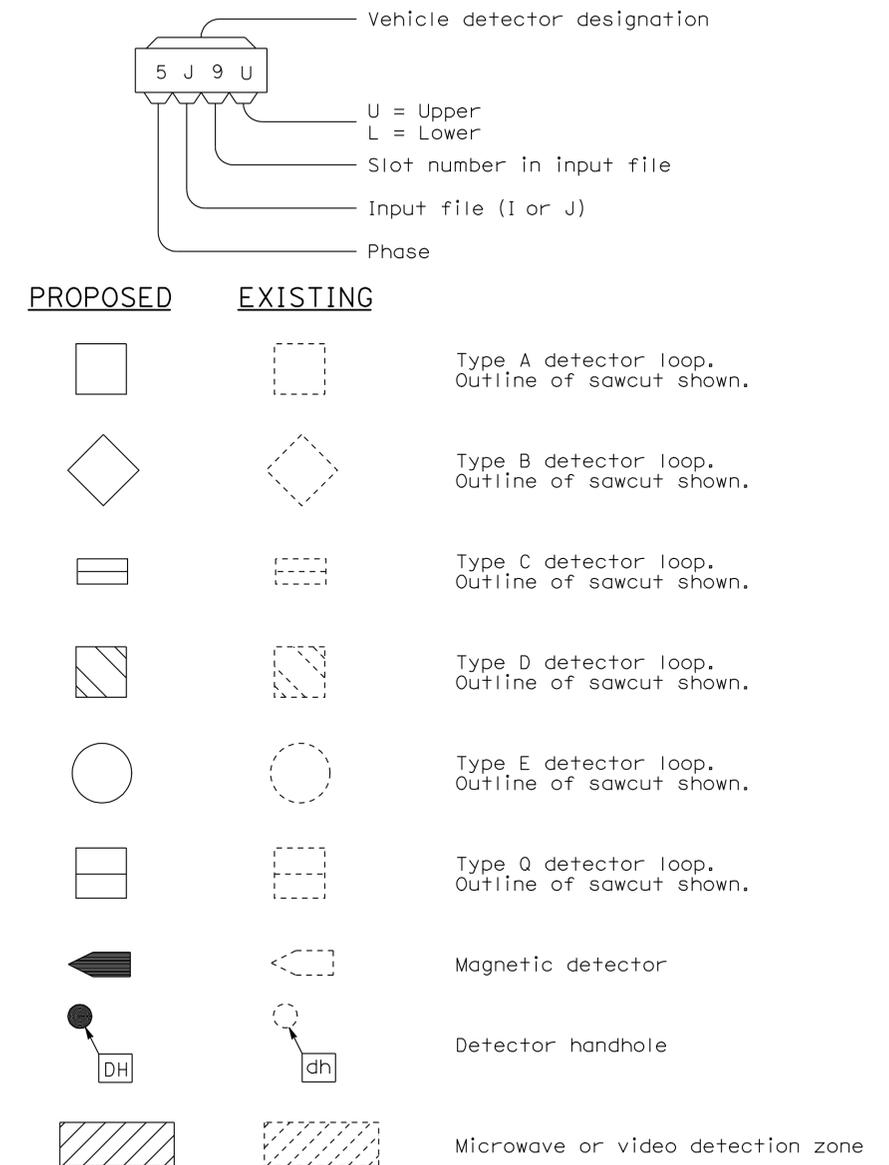
### WIRING DIAGRAM LEGEND



### PULL BOXES



### VEHICLE DETECTORS



STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**ELECTRICAL SYSTEMS  
(SYMBOLS AND ABBREVIATIONS)**

NO SCALE

RSP ES-1C DATED OCTOBER 5, 2007 SUPERCEDES STANDARD PLAN ES-1C  
DATED MAY 1, 2006 - PAGE 402 OF THE STANDARD PLANS BOOK DATED MAY 2006.

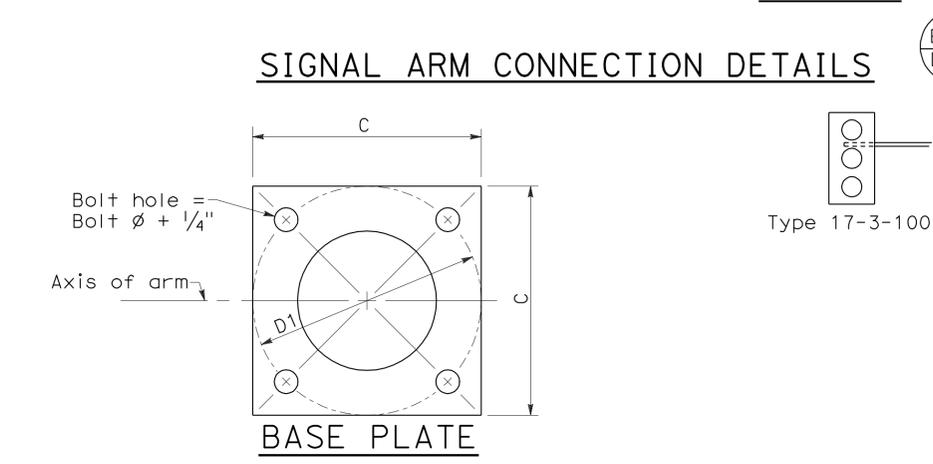
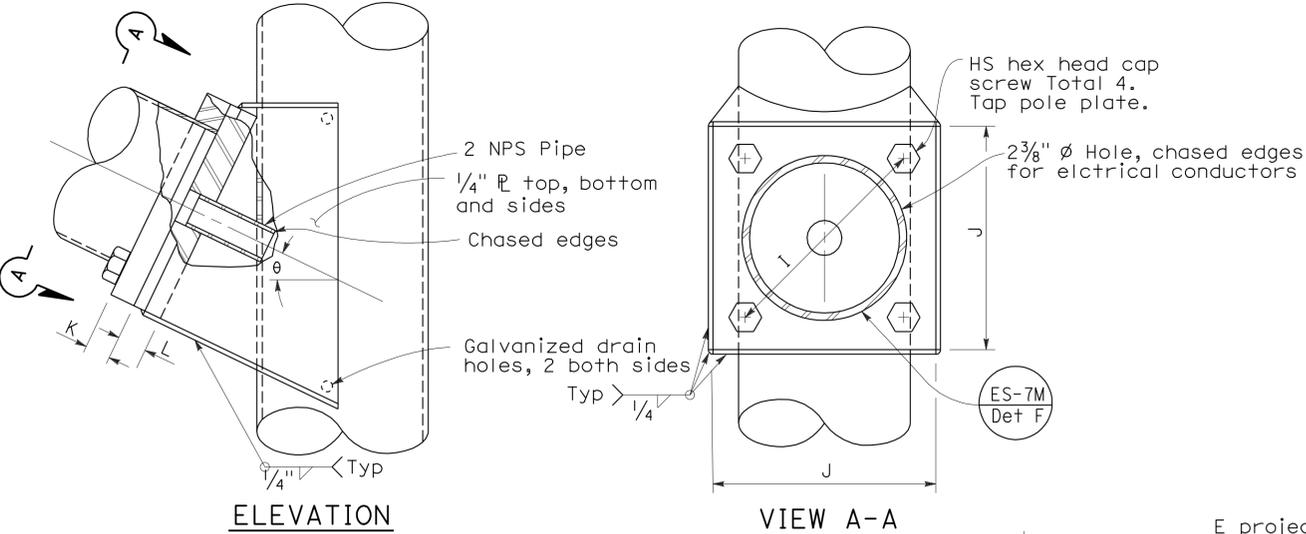
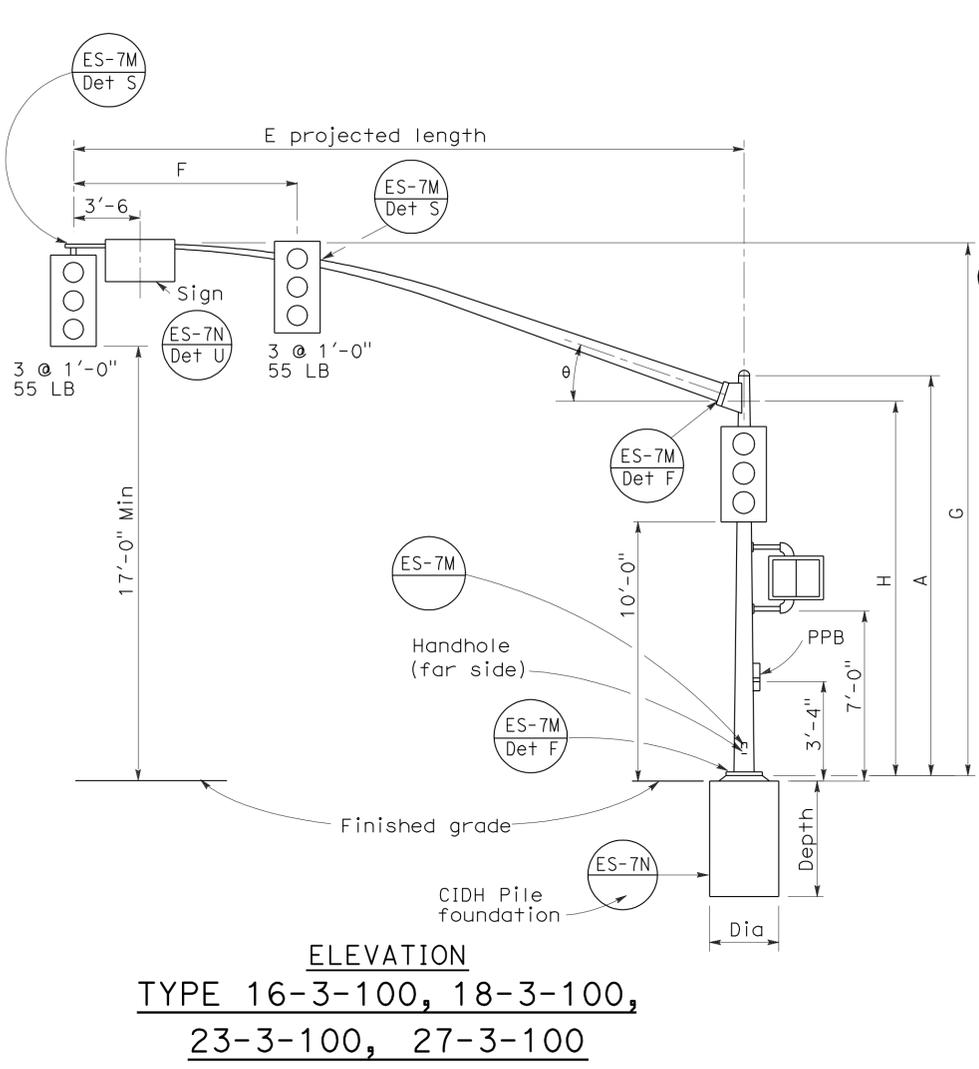
**REVISED STANDARD PLAN RSP ES-1C**

2006 REVISED STANDARD PLAN RSP ES-1C

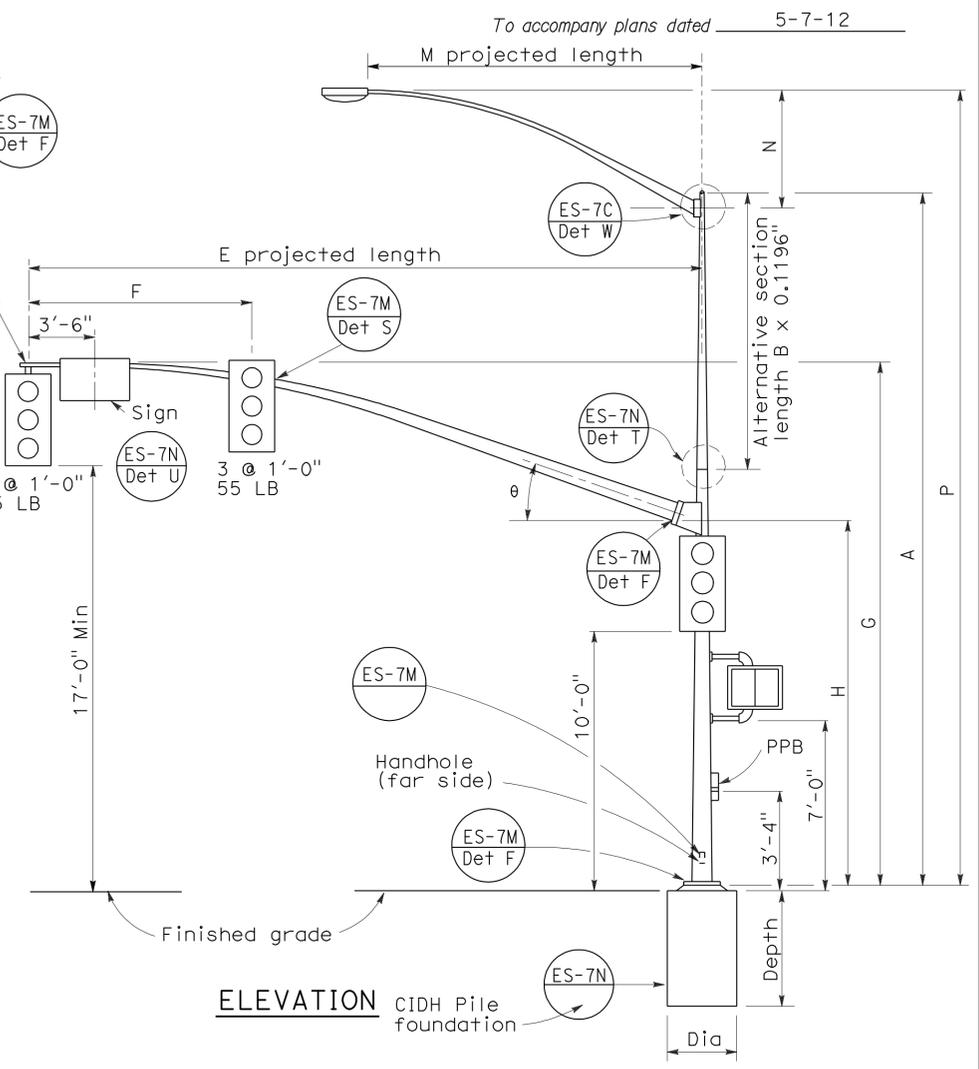
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	9.0,9.2	23	45

REGISTERED CIVIL ENGINEER  
 June 30, 2006  
 PLANS APPROVAL DATE  
 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.

REGISTERED PROFESSIONAL ENGINEER  
 Jeffrey B. Woody  
 No. C41260  
 Exp. 3-31-07  
 CIVIL  
 STATE OF CALIFORNIA



ELEVATION  
 TYPE 16-3-100, 18-3-100,  
 23-3-100, 27-3-100



ELEVATION  
 TYPE 17-3-100, 24A-3-100,  
 19-3-100, 26-3-100,  
 19A-3-100, 26A-3-100, 24-3-100

E Projected Length	F Min Spacing	G Mounting Height	H	Min OD at Pole	Thickness	I Bolt Circle	HS Cap Screws	J Plate Size	K Arm R Thickness	L Pole R Thickness	θ
15'-0"	8'-0"	21'-8"±	17'-6"	6 5/8"	0.1793"	12"	1 1/4"-7NC-3"	1'-0"	1 1/4"	1 1/2"	23°
20'-0"		21'-8"±		7"							
25'-0"	12'-0"	22'-8"±		7 5/8"							
30'-0"				8"							
35'-0"	14'-0"	23'-0"±	16'-0"	8 3/4"	0.2391"	13"	1'-1"	1 1/2"	1 3/4"	21°	
40'-0"	15'-0"			9 3/8"							
45'-0"		23'-8"±		10 1/16"							

M Projected Length	N Rise	Min OD at Pole	Thickness	P Mounting Height Pole	P Mounting Height Pole
6'-0"	2'-0"±	3 1/4"	0.1196"	31'-6"±	36'-6"±
8'-0"	2'-6"±	3 1/2"		32'-0"±	37'-0"±
10'-0"	3'-3"±	3 7/8"	0.1196"	32'-9"±	37'-9"±
12'-0"	4'-3"±			33'-9"±	38'-9"±
15'-0"	4'-9"±	4 1/4"		34'-3"±	39'-3"±

Pole Type	Load Case	Wind Velocity mph	POLE DATA				BASE PLATE DATA				Luminaire Arm	Signal Arm	CIDH PILE FOUNDATION					
			A Height	Min OD		Thickness	Alternative Section			C			D1 Bolt Circle	Thickness	Anchor Bolts Size	Diameter	Depth	Reinforced
				Base	Top		B Length	Bottom	Top									
16-3-100	3	100	18'-6"	10 3/4"	8 1/4"	0.1793"	None	8"	7 5/8"	1'-6"	1'-5 1/2"	1 1/2"	2"Ø x 42" x 6"	3'-0"	9'-0"	Yes		
17-3-100			30'-0"		6 5/8"		10'-0"		None								7 5/8"	
18-3-100			17'-0"	8 7/16"	None	None	7 7/8"											
19-3-100			30'-0"	7 7/8"	10'-0"	9 1/4"	7 3/8"											
19A-3-100			35'-0"	7 3/16"	15'-0"	7 3/16"	7 3/16"											
23-3-100			17'-0"	9 5/8"	None	None	None											
24-3-100			30'-0"	7 7/8"	10'-0"	9 1/4"	7 7/8"											
24A-3-100			35'-0"	7 3/16"	15'-0"	7 3/16"	7 3/16"											
26-3-100			30'-0"	8"	10'-0"	9 3/8"	8"											
26A-3-100			35'-0"	7 5/16"	15'-0"	9 3/8"	7 5/16"											
27-3-100			17'-0"	9 3/4"	None	None	None											

□ Indicates arm length to be used unless otherwise noted on plans.

**REVISED STANDARD PLAN RSP ES-7E**

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
**ELECTRICAL SYSTEMS  
 (SIGNAL AND LIGHTING STANDARD  
 CASE 3 ARM LOADING  
 WIND VELOCITY=100 MPH  
 ARM LENGTHS 15' TO 45')**  
 NO SCALE  
 RSP ES-7E DATED JUNE 30, 2006 SUPERSEDES STANDARD PLAN DATED MAY 1, 2006 -  
 PAGE 441 OF THE STANDARD PLANS BOOK DATED MAY 2006.

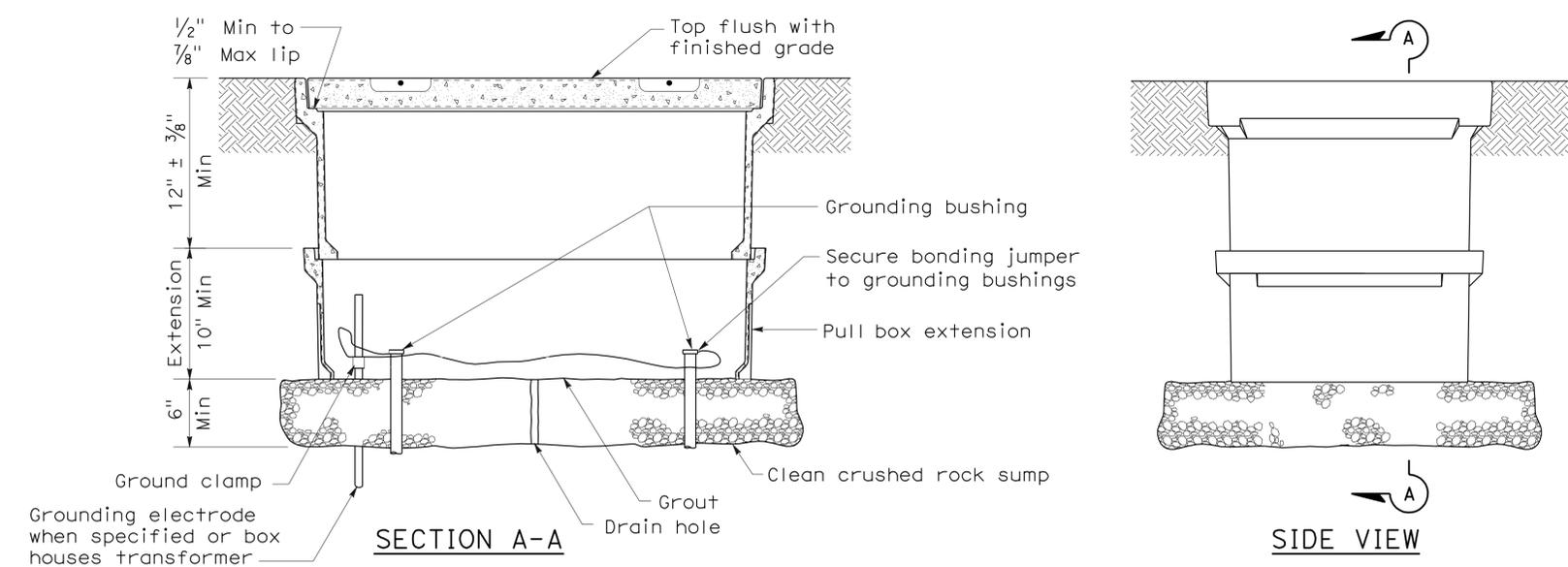
2006 REVISED STANDARD PLAN RSP ES-7E

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	9.0,9.2	24	45

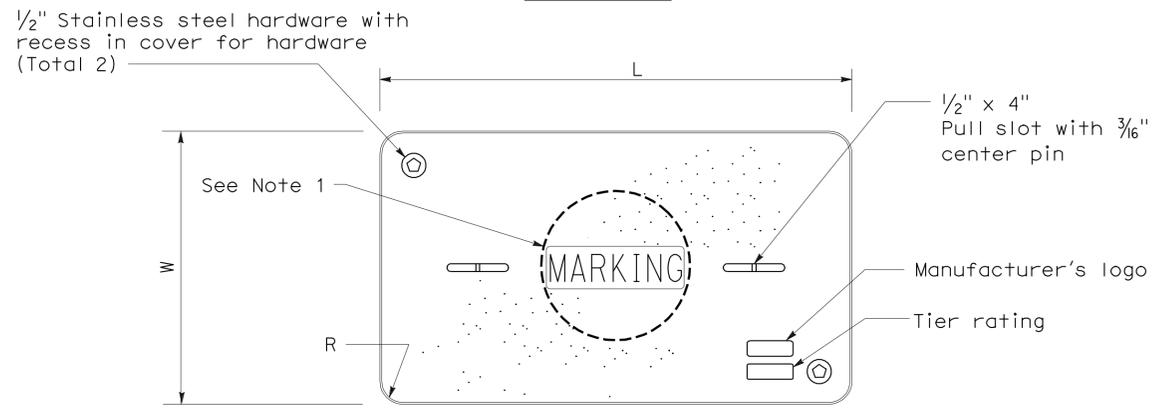
Jeffrey G. McRae  
 REGISTERED ELECTRICAL ENGINEER  
 January 20, 2012  
 PLANS APPROVAL DATE  
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

REGISTERED PROFESSIONAL ENGINEER  
 Jeffrey G. McRae  
 No. E14512  
 Exp. 6-30-12  
 ELECTRICAL  
 STATE OF CALIFORNIA

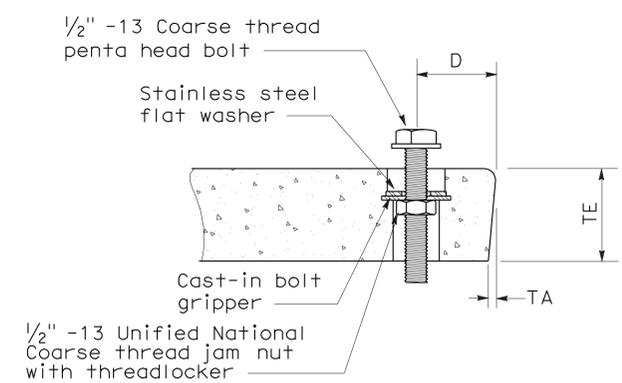
To accompany plans dated 5-7-12



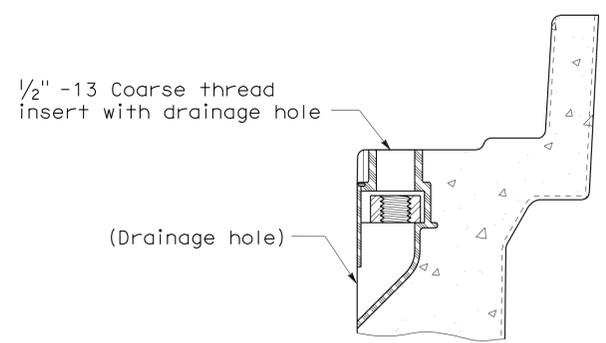
**INSTALLATION DETAILS**  
**DETAIL A**



**COVER TOP VIEW**



**TYPICAL COVER CAPTIVE BOLT**  
(Or similar)



**TYPICAL THREADED INSERT**  
(Or similar)

**NOTES ON PULL BOXES:**

- Pull box covers must be marked as follows: "SERVICE" Service circuits between service point and service disconnect; "SPRINKLER-CONTROL" sprinkler control circuits, 50 V or less; "CALTRANS" on all pull boxes, except pull boxes marked "SPRINKLER-CONTROL"; and "TELEPHONE" Telephone service;
  - No. 3/2 pull box.
    - "SIGNAL" - Traffic signal circuits with or without street or sign lighting circuits.
    - "ST LIGHTING" - Street or sign lighting circuits where voltage is under 600 V.
  - No. 5, 6, 9 or 9A pull box.
    - "TRAFFIC SIGNAL" - Traffic signal circuits with or without street or sign lighting circuits.
    - "STREET LIGHTING" - Street or sign lighting circuits where voltage is under 600 V.
    - "STREET LIGHTING-HIGH VOLTAGE" - Street or sign lighting circuits where voltage is above 600 V.
    - "IRRIGATION" - Circuits to irrigation controller 120 V or more.
    - "RAMP METER" - Ramp meter circuits.
    - "COUNT STATION" - Count or speed monitor circuits.
    - "COMMUNICATIONS" - Communication circuits.
    - "TOS COMMUNICATIONS" - TOS communication line.
    - "TOS POWER" - TOS power.
    - "TDC POWER" - Telephone demarcation cabinet power.
    - "CCTV" - Closed circuit television circuits.
    - "TMS" - Traffic monitoring station circuits.
    - "CMS" - Changeable message sign circuits.
    - "HAR" - Highway advisory radio circuits.
- The nominal dimensions of the opening in which the cover sets must be the same as the cover dimensions (L and W) plus 1/8" or greater.
- Covers and boxes must be interchangeable with California Standard. When interchanged with a standard, the top surfaces must be flush within 1/8". Top outside radius of covers and pull boxes must have a 1/8" radius.
- Pull box extension may be another pull box as long as the bottom edge of the pull box can fit into the cover opening.

DIMENSION TABLE										
PULL BOX	PULL BOX			COVER						
	Minimum Depth Box	Minimum Depth Extension	Maximum Weight	L	W	R	TE	TA	D	Maximum Weight
No. 3/2	12"	N/A	40 lb	1' - 3 3/8"	10 1/8"	1 3/8"	2"	1/8"	1 3/4"	30 lb
No. 5	12"	10"	55 lb	1' - 11 1/4"	1' - 1 3/4"	1 3/8"	2"	1/8"	1 3/4"	60 lb
No. 6	12"	10"	70 lb	2' - 6 1/2"	1' - 5 1/2"	1 3/8"	2"	1/8"	2"	85 lb

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**ELECTRICAL SYSTEMS**  
**(PULL BOX)**  
NO SCALE

NSP ES-8A DATED JANUARY 20, 2012 SUPPLEMENTS THE STANDARD PLANS BOOK DATED MAY 2006.

2006 NEW STANDARD PLAN NSP ES-8A

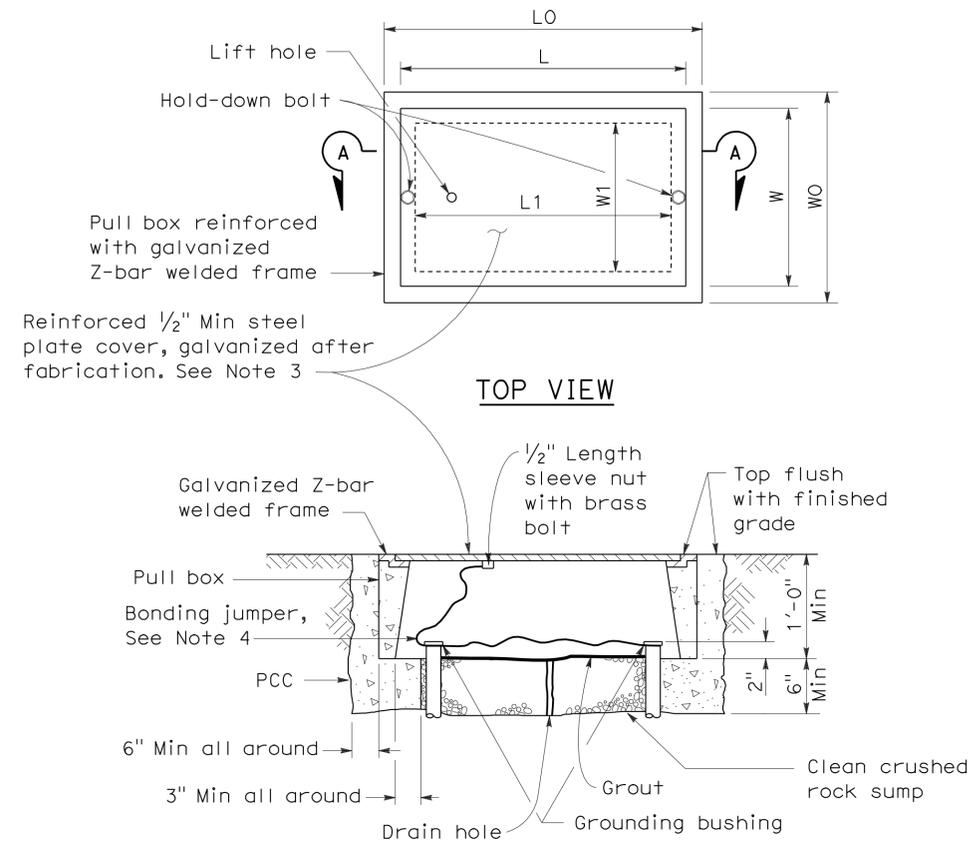
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	9.0,9.2	25	45

*Jeffrey G. McRae*  
 REGISTERED ELECTRICAL ENGINEER  
 January 20, 2012  
 PLANS APPROVAL DATE

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To accompany plans dated 5-7-12

2006 NEW STANDARD PLAN NSP ES-8B



**No. 3 1/2(T), No. 5(T) AND No. 6(T) TRAFFIC PULL BOX**

**NOTES ON PULL BOXES:**

- Traffic pull box shall be provided with steel cover and special concrete footing. Steel cover shall have embossed non-skid pattern.
- Steel reinforcing shall be as regularly used in the standard products of the respective manufacturer.
- Pull box covers must be marked as follows: "SERVICE" Service circuits between service point and service disconnect; "SPRINKLER-CONTROL" Sprinkler control circuits, 50 V or less; "CALTRANS" On all pull boxes, except pull boxes marked "SPRINKLER-CONTROL"; and "TELEPHONE" Telephone service.
  - No. 3 1/2(T) pull box.
    - "SIGNAL" - Traffic signal circuits with or without street or sign lighting circuits.
    - "ST LIGHTING" - Street or sign lighting circuits where voltage is under 600 V.
  - No. 5(T) or 6(T) pull box.
    - "TRAFFIC SIGNAL" - Traffic signal circuits with or without street or sign lighting circuits.
    - "STREET LIGHTING" - Street or sign lighting circuits where voltage is under 600 V.
    - "STREET LIGHTING-HIGH VOLTAGE" - Street or sign lighting circuits where voltage is above 600 V.
    - "IRRIGATION" - Circuits to irrigation controller 120 V or more.
    - "RAMP METER" - Ramp meter circuits.
    - "COUNT STATION" - Count or speed monitor circuits.
    - "COMMUNICATION" - Communication circuits.
    - "TOS COMMUNICATIONS" - TOS communications line.
    - "TOS POWER" - TOS power.
    - "TDC POWER" - Telephone demarcation cabinet power.
    - "CCTV" - Closed circuit television circuits.
    - "TMS" - Traffic monitoring station circuits.
    - "CMS" - Changeable message sign circuits.
    - "HAR" - Highway advisory radio circuits.
- Bonding jumper for metal covers shall be 3' long, minimum.
- The nominal dimensions of the opening in which the cover sets must be the same as the cover dimensions except the length and width dimensions shall be 1/8" greater.
- Covers and boxes must be interchangeable with California standard male and female gages. When interchanged with a standard male or female gage, the top surfaces must be flush within 1/8".

**DIMENSION TABLE**

PULL BOX	BOX						COVER				
	Minimum * Thickness	Minimum Depth Box and Extension	W0	L0	L1	W1	L **	W **	R	Edge Thickness	Edge Taper
No. 3 1/2(T)	1 1/2"	1'-0"	1'-5"± 1"	1'-8 7/8"±	1'-2 1/2"±	10 5/8"± 1"	1'-8"±	1'-1 3/4"±	0"	1/2"	None
No. 5(T)	1 3/4"	1'-0"	1'-11 1/2"± 1"	2'-5 1/2"±	1'-7"±	1'-1"± 1"	2'-3"±	1'-4"±	0"	1/2"	None
No. 6(T)	2"	1'-0"	2'-6"± 1"	2'-11 1/2"±	1'-11 1/2"±	1'-5"± 1"	2'-9"±	1'-8"±	0"	1/2"	None

\* Excluding conduit web      \*\* Top dimension

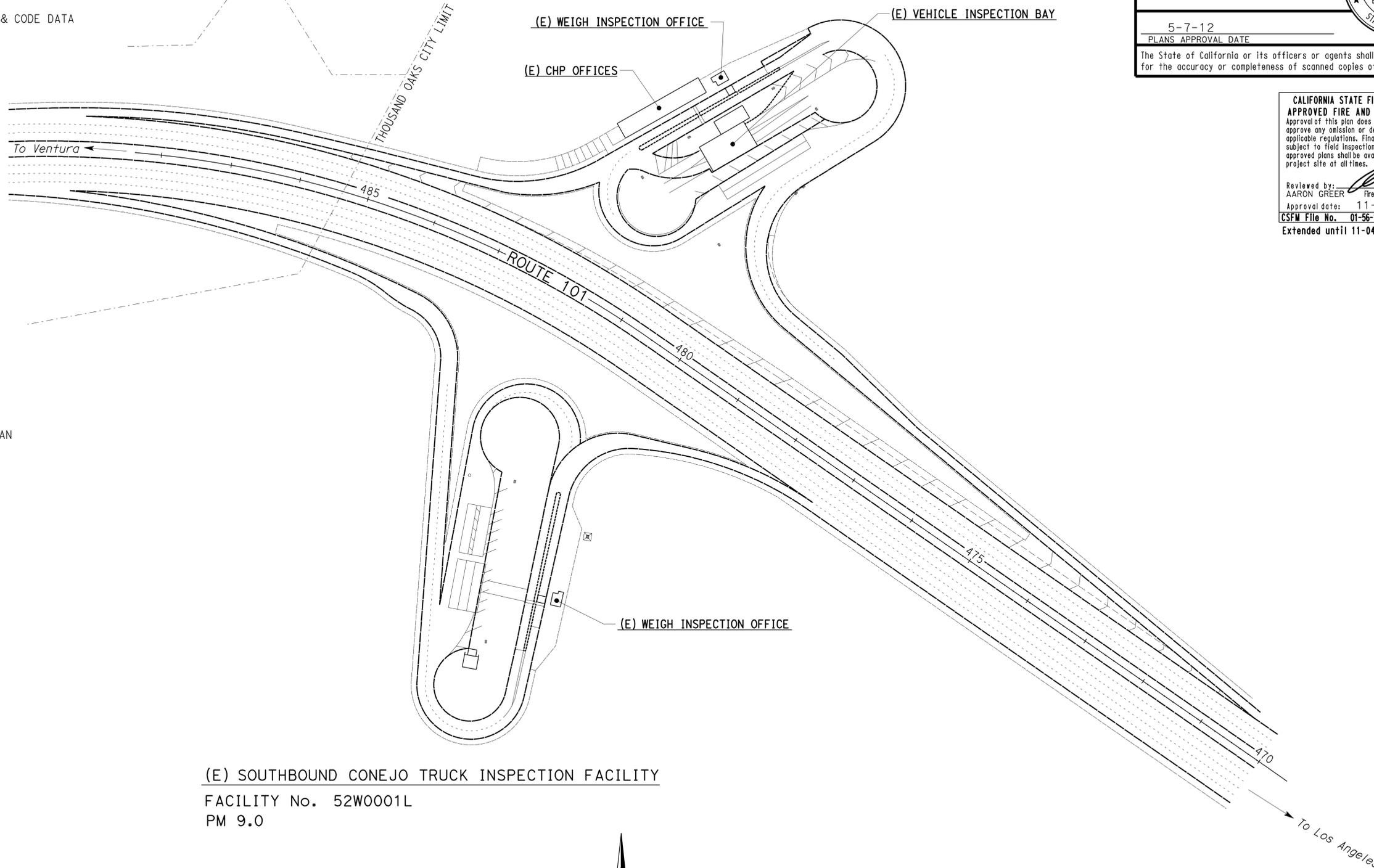
STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
**ELECTRICAL SYSTEMS  
 (TRAFFIC RATED PULL BOX)**  
 NO SCALE

NSP ES-8B DATED JANUARY 20, 2012 SUPPLEMENTS THE STANDARD PLANS BOOK DATED MAY 2006.

**INDEX OF SHEETS**

**(E) NORTHBOUND CONEJO TRUCK INSPECTION FACILITY**  
 FACILITY No. 52W0001R  
 PM 9.2

SHEET No.	DESCRIPTION
GP	GENERAL PLAN
<b>ARCHITECTURAL</b>	
A-0	ARCHITECTURAL ABBREVIATIONS, SYMBOLS & CODE DATA
A-1	ROOF PLAN/EXISTING FLOOR PLAN
A-2	ELEVATIONS
A-3	ROOF DETAILS
A-4	CHAIN LINK FENCE DETAILS
<b>STRUCTURAL</b>	
ST-1	LEGEND
ST-2	CONCRETE STANDARD
ST-3	STANDBY GENERATOR SLAB DETAILS
<b>MECHANICAL</b>	
M-1	MECHANICAL PLAN
M-2	MECHANICAL DETAILS
M-3	STANDBY GENERATOR
<b>ELECTRICAL</b>	
EE-0	LEGEND
EE-1	SITE PLAN
EE-2	NORTHBOUND SITE PLAN
EE-3	SOUTHBOUND SITE PLAN
EE-4	STANDBY GENERATOR DETAILS
EE-5	DETAILS
EE-6	POLE MOUNTED CCTV CAMERA DETAILS
EE-7	CONCRETE MEDIAN ISLAND - ENLARGED PLAN



**(E) SOUTHBOUND CONEJO TRUCK INSPECTION FACILITY**  
 FACILITY No. 52W0001L  
 PM 9.0

**PLAN**  
 SCALE 1" = 80'-0"

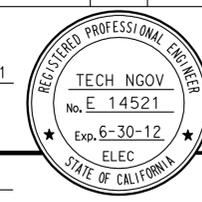


DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	9.0,9.2	26	45

*Tech Ngov*  
 REGISTERED ELECTRICAL ENGINEER DATE 7-14-11

5-7-12  
 PLANS APPROVAL DATE

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**CALIFORNIA STATE FIRE MARSHAL**  
**APPROVED FIRE AND PANIC ONLY**  
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

Reviewed by: *Aaron Greer*  
 AARON GREER Fire and Life Safety South  
 Approval date: 11-04-10  
 CSFM File No. 01-56-11-0004  
 Extended until 11-04-2012 by CSFM

DESIGN SUPERVISOR <i>Paul Schreff</i>	DESIGN BY CJW/Prakash Sah	CHECKED Tech Ngov
DESIGN ENGINEER <i>Mark Chapp</i>	DETAILS BY Andreasen/Monson	CHECKED CJW/Prakash Sah
	QUANTITIES BY CJW/Prakash Sah	CHECKED Tech Ngov

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES  
 ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

BRIDGE NO. 52W0001R/L  
 POST MILE 9.0, 9.2

<b>CONEJO TRUCK INSPECTION FACILITY IMPROVEMENTS</b>		SHEET <b>GP</b>
GENERAL PLAN		OF



DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	9.0, 9.2	28	45

01-04-2011  
 LICENSED ARCHITECT DATE  
 ANTHONY CHUNG  
 No. C-24693  
 Exp. 11-30-13  
 STATE OF CALIFORNIA

5-7-12  
 PLANS APPROVAL DATE  
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**GENERAL NOTES:**

1. THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS AND CONDITIONS BEFORE FABRICATING ANY MATERIAL.
2. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL MEASUREMENTS OR CONDITIONS.
3. THE CONTRACTOR SHALL VERIFY LOCATIONS OF EXISTING EQUIPMENT & PENETRATIONS, INCLUDE EXHAUST FAN, ROOF JACKS, ANTENNAS, PIPES, ELECTRICAL CONDUITS, ETC.

**ROOF DEMOLITION NOTES:**

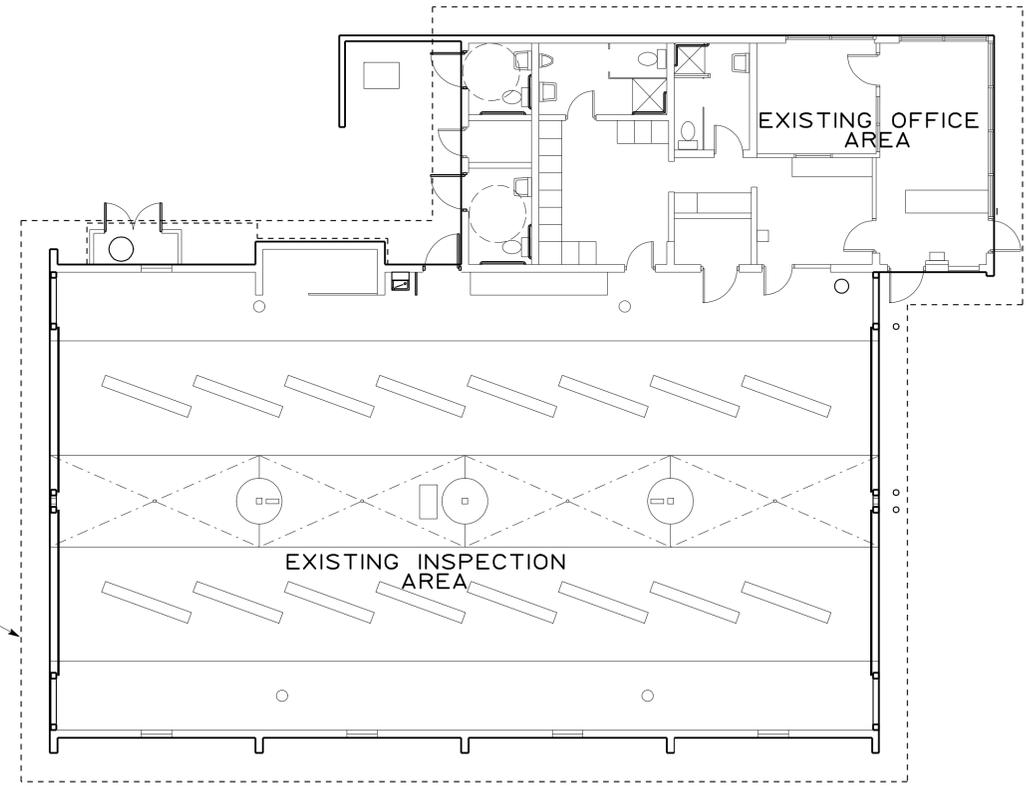
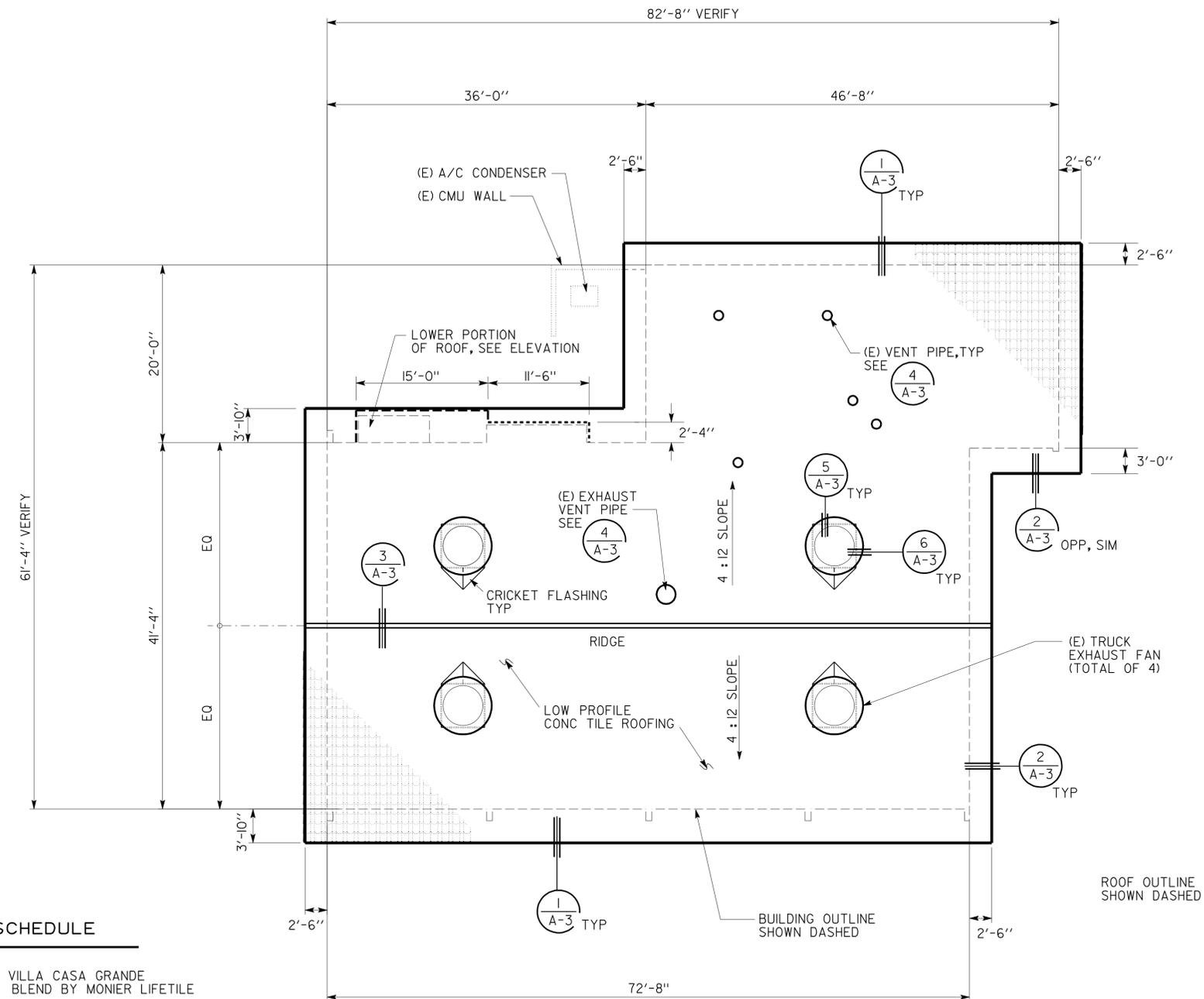
1. REMOVE IN ITS ENTIRETY:
  - a. (E) CONC TILE ROOFING
  - b. (E) UNDERLAYMENT
  - c. (E) TRUCK EXHAUST FAN FLASHING
  - d. (E) VENT PIPE FLASHINGS
2. REMOVE AND REPLACE ANY DAMAGED PLYWOOD.

**ACCESSIBILITY NOTE:**

PROPOSED REROOFING AND OTHER MECH/ELEC WORK ARE EXEMPTED FROM ACCESSIBILITY REQUIREMENTS PER 2007 CALIFORNIA BUILDING CODE SEC. I34B.2.J, EXCEPTION 4, EXCEPT THAT NEW FENCE GATES, INCLUDING SIZE, HARDWARE AND MANEUVERING CLEARANCES, SHALL COMPLY WITH SEC. I33B.2, AND AISLES WIDTH INSIDE NEW GENERATOR ENCLOSURE SHALL COMPLY WITH SEC. I33B.6.2 AND AS SHOWN ON SHEET EE-4.

**ACCESSIBILITY DESIGN APPROVAL STAMP**  
 DOT / DES / OTA  
 PROJECT ID  
**07 - 00000542**  
 Reviewed by: *[Signature]*  
 Date: 12-13-10

**CALIFORNIA STATE FIRE MARSHAL APPROVED FIRE AND PANIC ONLY**  
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 Reviewed by: *[Signature]*  
 Aaron Greer Fire and Life Safety South  
 Approval date: 11-04-10  
 CSFM File No. 01-56-11-0004  
 Extended until 11-04-2012 by CSFM



**COLOR SCHEDULE**

1. ROOF TILE: VILLA CASA GRANDE BLEND BY MONIER LIFETILE
2. FLASHING: MATCH COLOR OF ROOF TILE
3. BIRDSTOP: BLACK

NOTE: COLOR DESIGNATION IS FOR REFERENCE ONLY AND IS NOT INTENDED TO INDICATE A PREFERENCE FOR A PARTICULAR BRAND.

**1 ROOF PLAN**  
 SCALE 1/8" = 1'-0"

NOTE: FIELD VERIFY ALL DIMENSIONS



**2 EXISTING FLOOR PLAN**  
 SCALE 1/8" = 1'-0"



a01roof.dgn TAEMWW Imper1al Rev. 7/10 09-MAY-2012 13:40	DESIGN BY A. CHUNG	CHECKED D. LOWE	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 52W000IR	CONEJO TRUCK INSPECTION FACILITY IMPROVEMENTS ROOF PLAN/ EXISTING FLOOR PLAN	SHEET OF A-1
	DETAILS BY A. CHUNG	CHECKED C. FAUST		UNIT PROJECT NUMBER & PHASE 7376 07000005421	POST MILE 9.2		DISREGARD PRINTS BEARING EARLIER REVISION DATES 01/04/2011
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		0 1 2 3		EA 000000		SHEET OF	

09-MAY-2012 13:40

ACCESSIBILITY DESIGN APPROVAL STAMP  
DOT / DES / OTA

PROJECT ID  
**07 - 0000542**

Reviewed by: *[Signature]*

Date: 12-13-10

CALIFORNIA STATE FIRE MARSHAL  
APPROVED FIRE AND PANIC ONLY

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

Reviewed by: *[Signature]*  
AARON GREER Fire and Life Safety South

Approval date: 11-04-10

CSFM File No. 01-56-11-0004

Extended until 11-04-2012 by CSFM

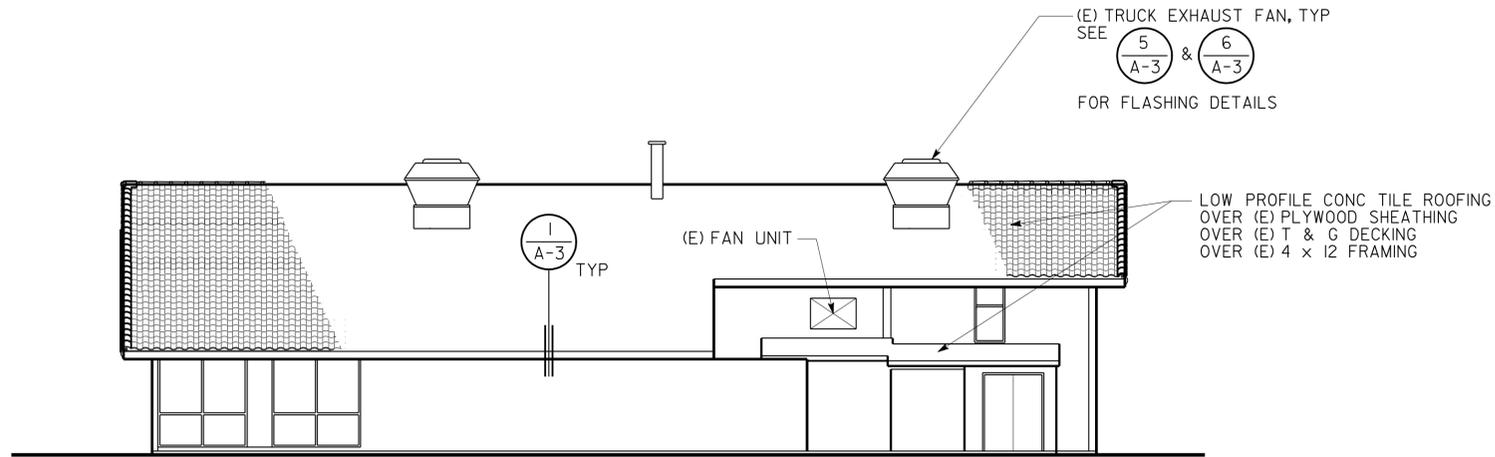
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	9.0, 9.2	29	45

01-04-2011  
LISCENSED ARCHITECT DATE

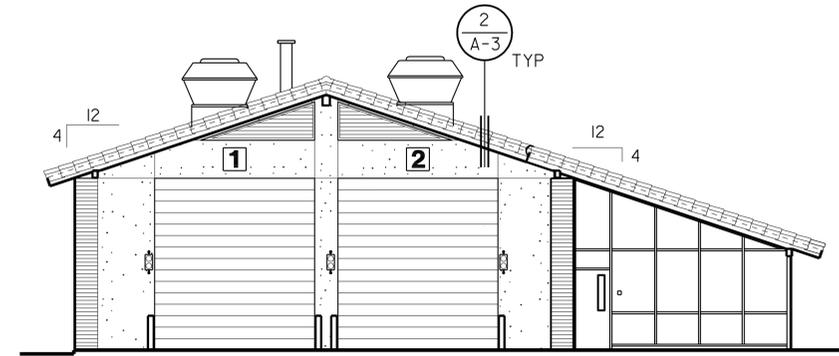
ANTHONY CHUNG  
No. C-24693  
Exp. 11-30-13  
STATE OF CALIFORNIA

5-7-12  
PLANS APPROVAL DATE

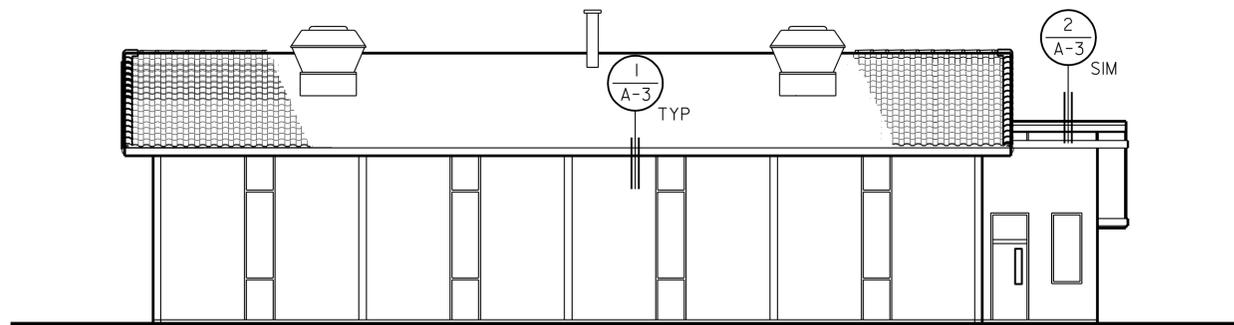
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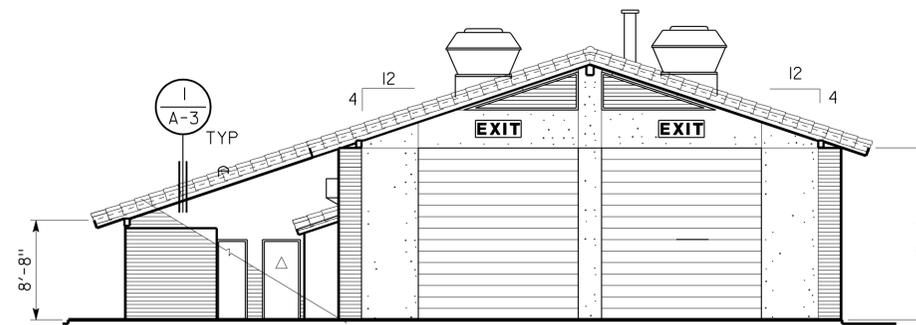
**1 NORTH ELEVATION**  
SCALE 1/8" = 1'-0"



**2 EAST ELEVATION**  
SCALE 1/8" = 1'-0"



**3 SOUTH ELEVATION**  
SCALE 1/8" = 1'-0"



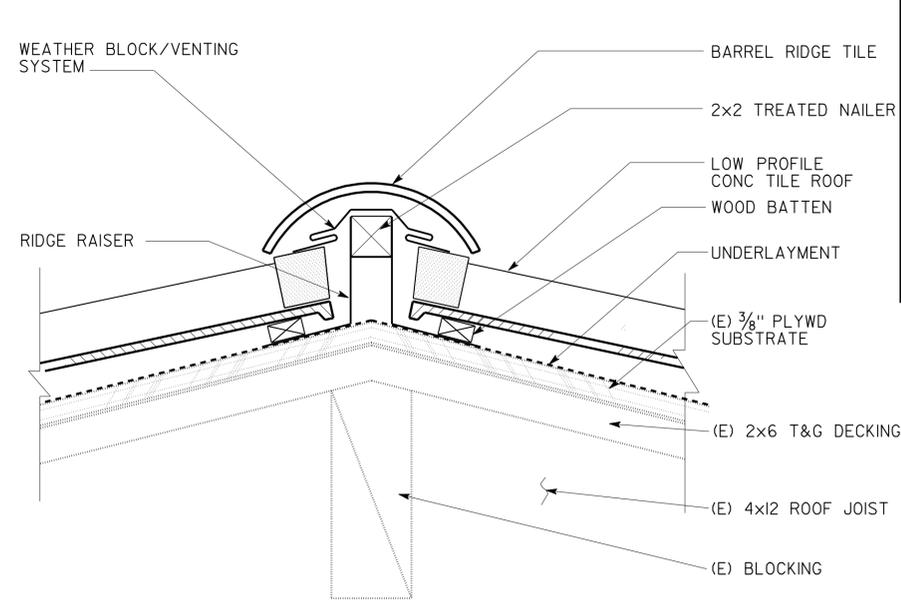
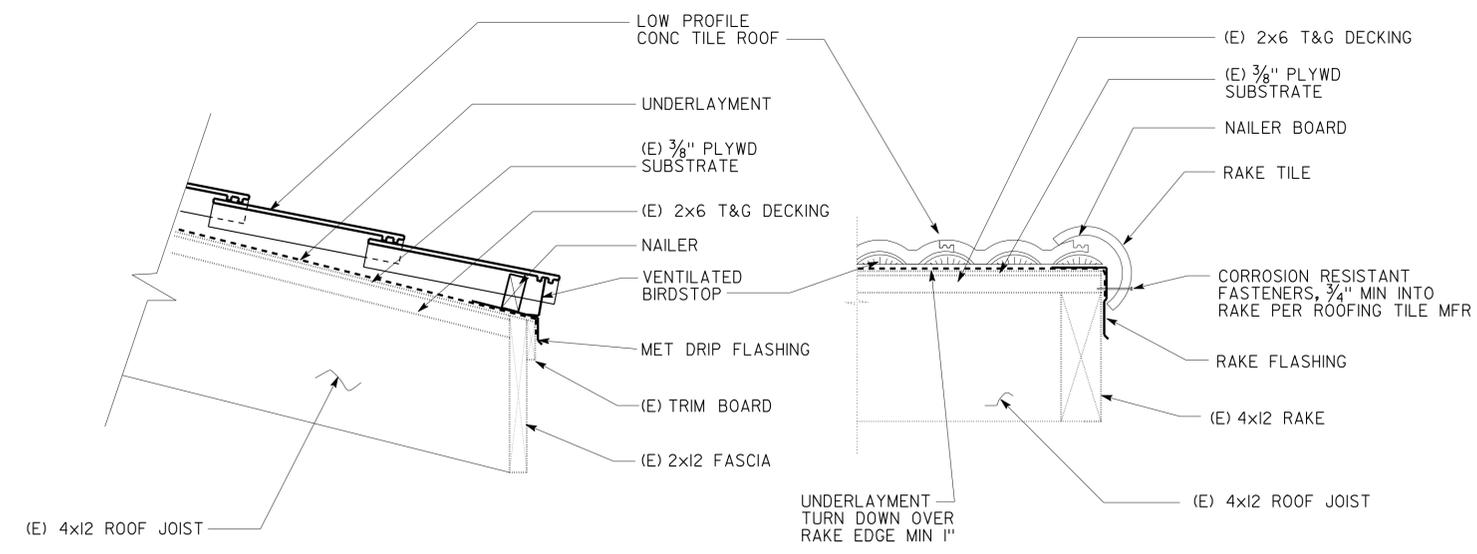
**4 WEST ELEVATION**  
SCALE 1/8" = 1'-0"

a02elev.dgn TAEMWW Imper1al Rev. 7/10 09-MAY-2012 13:40	DESIGN BY A. CHUNG	CHECKED D. LOWE	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 52W000IR	CONEJO TRUCK INSPECTION FACILITY IMPROVEMENTS	SHEET A-2
	DETAILS BY A. CHUNG	CHECKED C. FAUST			POST MILE 9.2		
	QUANTITIES BY	CHECKED	UNIT PROJECT NUMBER & PHASE 7376 07000005421	EA 000000	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF

09-MAY-2012 13:40

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	9.0, 9.2	30	45

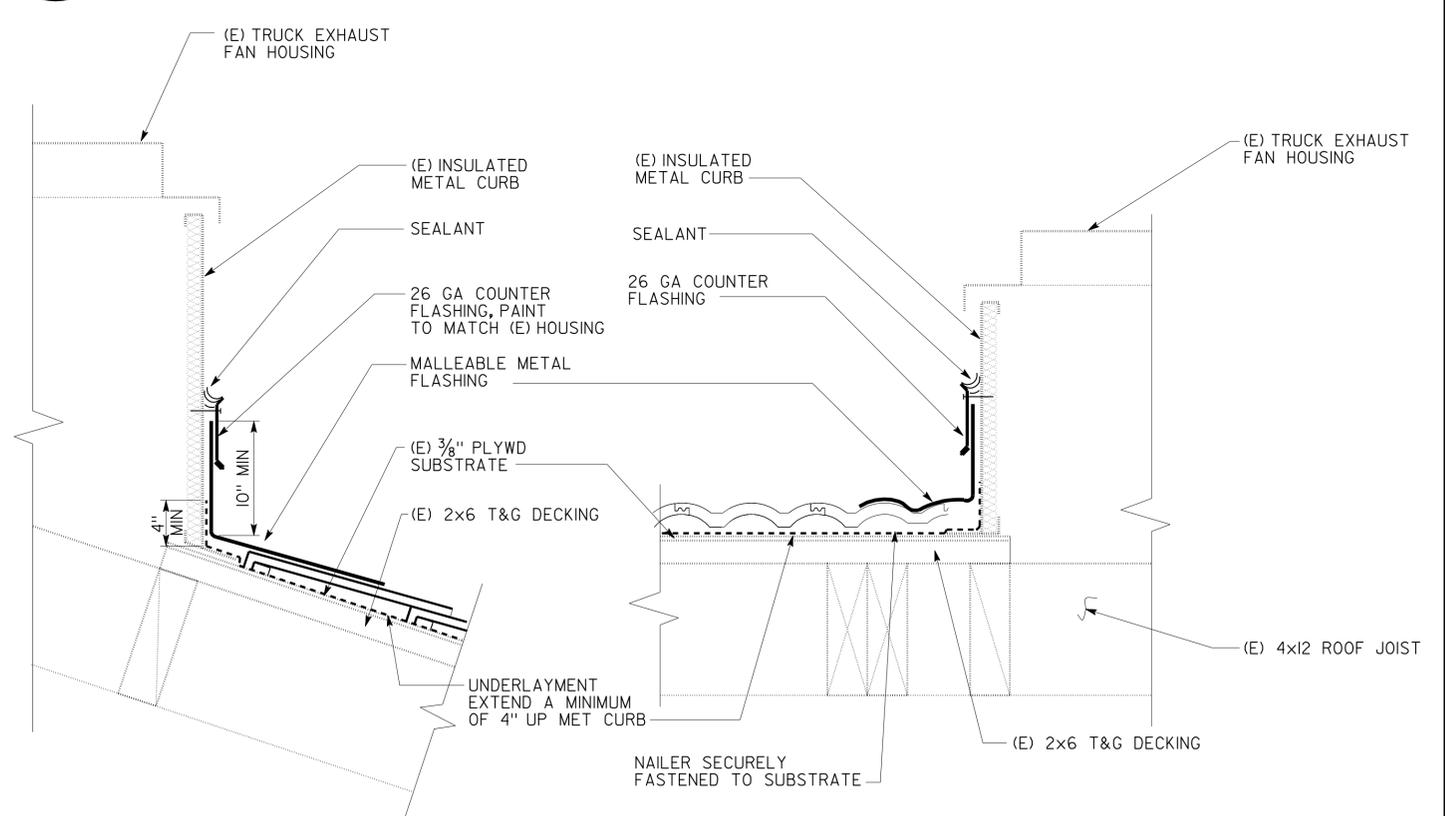
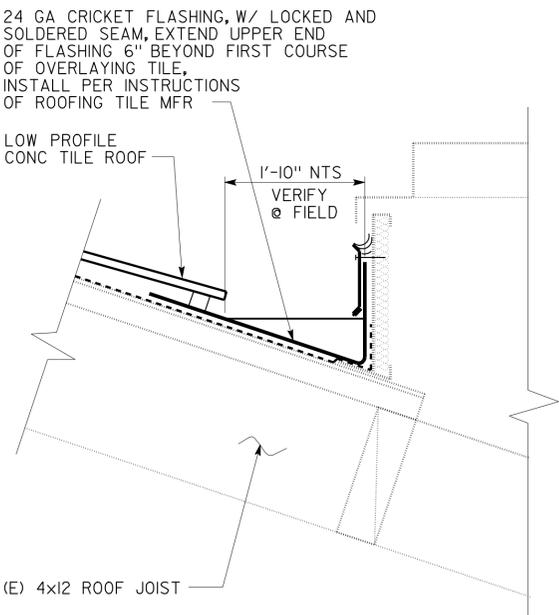
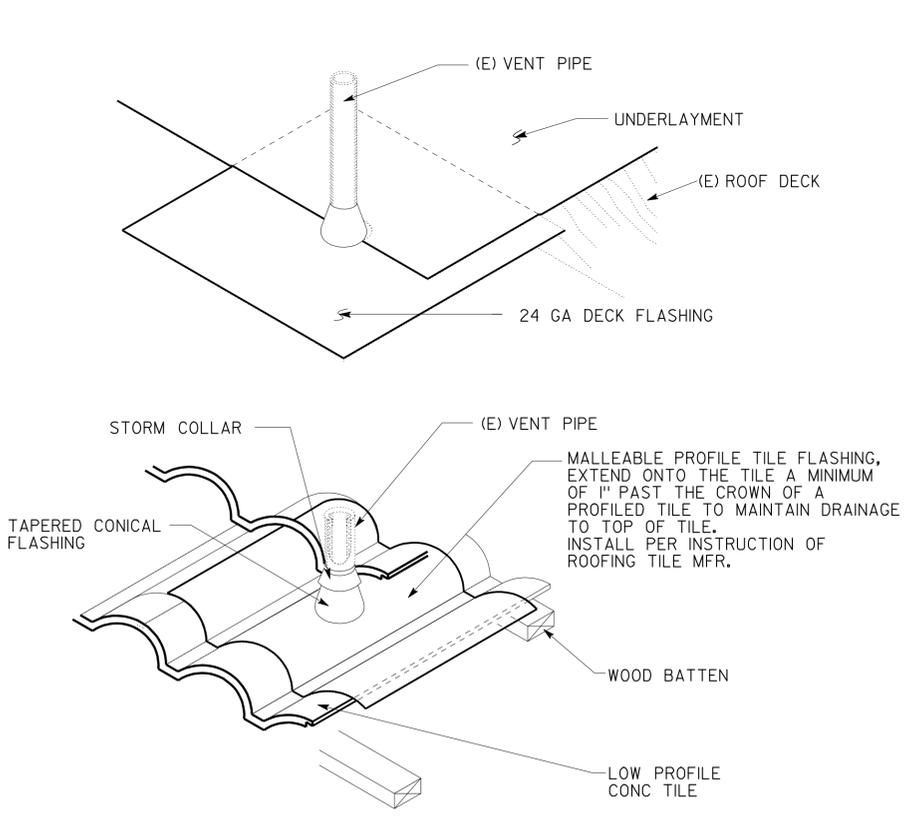
01-04-2011  
 DATE  
 LICENSED ARCHITECT  
 ANTHONY CHUNG  
 No. C-24693  
 Exp. 11-30-13  
 STATE OF CALIFORNIA



**1** **EAVE DETAIL**  
SCALE: 1 1/2" = 1'-0"

**2** **RAKE DETAIL**  
SCALE: 1 1/2" = 1'-0"

**3** **RIDGE DETAIL**  
SCALE: 3" = 1'-0"



**4** **VENT PIPE FLASHING**  
NO SCALE

**5** **FLASHING @ EXHAUST FAN**  
SCALE: 1 1/2" = 1'-0"

**6** **FLASHING @ EXHAUST FAN**  
SCALE: 1 1/2" = 1'-0"

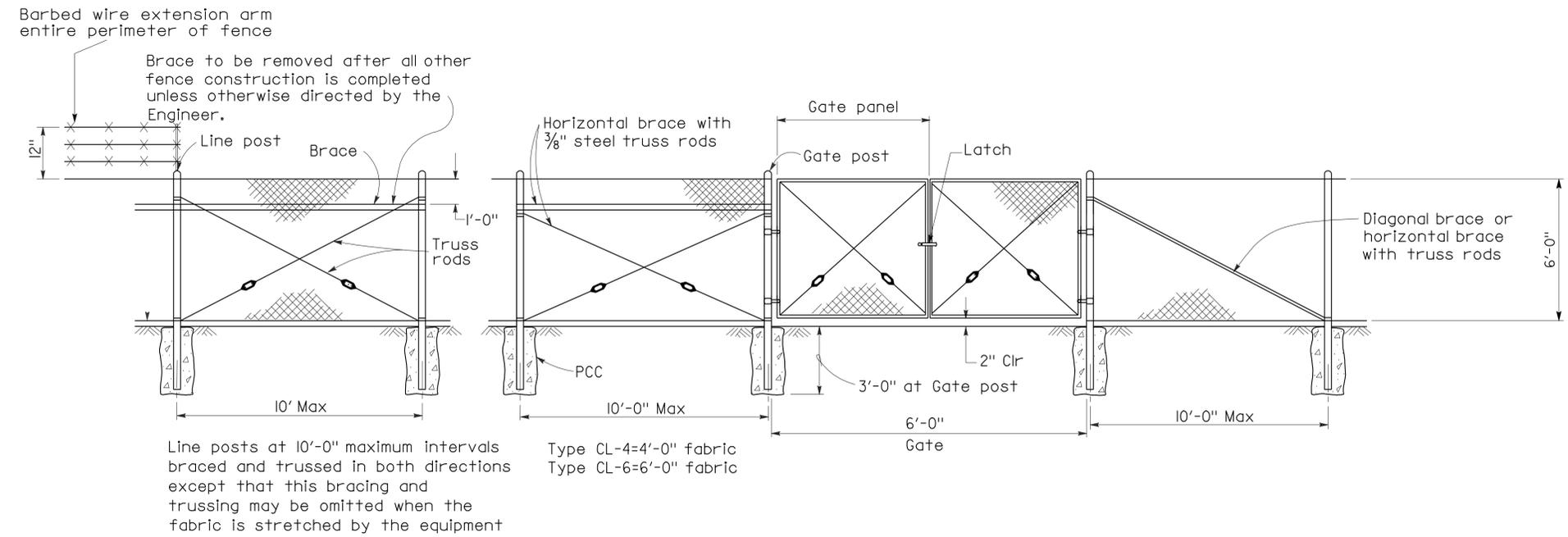
a03detail.dgn TAEMWW Imper1al Rev. 7/10 09-MAY-2012 14:15	DESIGN BY A. CHUNG CHECKED D. LOWE	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 52W000IR POST MILE 9.2	<b>CONEJO TRUCK INSPECTION FACILITY IMPROVEMENTS</b> ROOF DETAILS	SHEET A-3 OF
	DETAILS BY A. CHUNG CHECKED C. FAUST			UNIT PROJECT NUMBER & PHASE 7376 07000005421		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		EA 000000		SHEET OF		

09-MAY-2012 14:15

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	9.0,9.2	31	45

01-04-2011  
 LICENSED ARCHITECT DATE  
 ANTHONY CHUNG  
 No. C-24693  
 Exp. 11-30-13  
 STATE OF CALIFORNIA

5-7-12  
 PLANS APPROVAL DATE  
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ACCESSIBILITY DESIGN APPROVAL STAMP  
 DOT / DES / OTA  
 PROJECT ID  
**07 - 00000542**  
 Reviewed by: *[Signature]*  
 Date: 12-13-10

CALIFORNIA STATE FIRE MARSHAL  
 APPROVED FIRE AND PANIC ONLY  
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 Reviewed by: *[Signature]* Fire and Life Safety South  
 Approval date: 11-04-10  
 CSFM File No. 01-56-11-0004  
 Extended until 11-04-2012 by CSFM

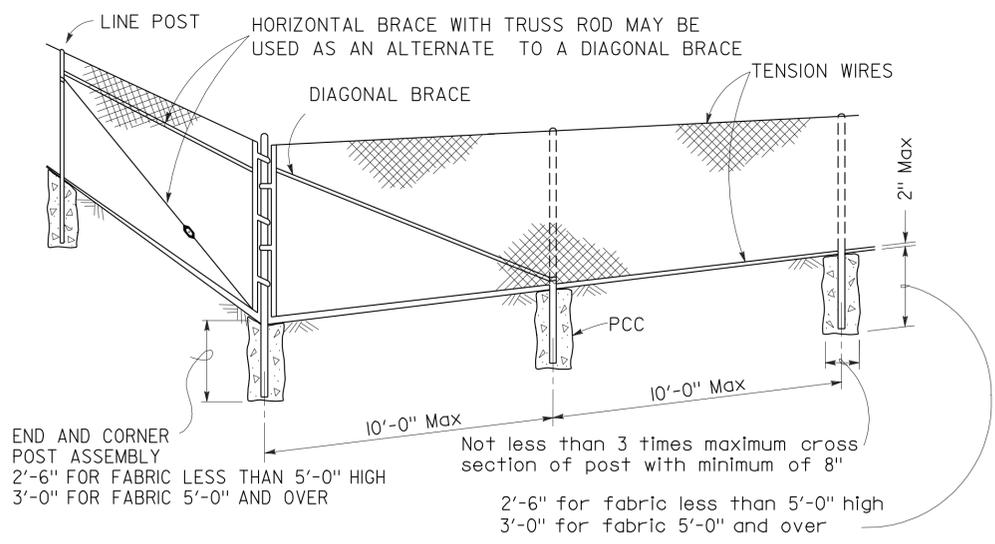
**1 CHAIN LINK FENCE GATE**  
 SCALE: NO SCALE

GATE POST			
FENCE HEIGHT	GATE WIDTHS	NOMINAL ID	MASS PER METER
6'-0" and Less	Up thru 6'-0"	2 1/2"	4.95 LB
	Over 6'-0" thru 12'-0"	4"	10.79 LB
	Over 12'-0" thru 18'-0"	5"	14.62 LB
	Over 18'-0" to 24'-0" Max	6"	18.97 LB
Over 6'-0"	Up thru 6'-0"	3"	7.58 LB
	Over 6'-0" thru 12'-0"	5"	14.62 LB
	Over 12'-0" thru 18'-0"	6"	18.97 LB
	Over 18'-0" to 24'-0" Max	8"	28.55 LB

**NOTES**

- The above table shows examples of post and brace sections which may comply with the Specifications.
- Sections shown in the tables must also comply with the strength requirements and other provisions of the Specifications.
- Other sections which comply with the strength requirements and other provisions of the Specifications may be used on approval of the Engineer.
- Options exercised shall be uniform on any one project.
- Dimensions shown are nominal.
- Offset to be 2'-0" at monument locations, measured at right angles to R/W lines. Taper to achieve offset to be at least 20'-0" long.

Above post dimensions and masses are minimums. Larger sizes may be used on approval of the Engineer.

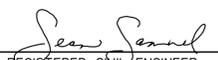
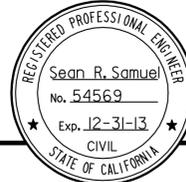


**2 END AND CORNER POSTS**  
 SCALE: NOT TO SCALE

TYPICAL MEMBER DIMENSIONS (See Notes)										
FENCE HEIGHT	LINE POSTS			END, LATCH & CORNER POSTS			BRACES			
	ROUND ID	H	ROLL FORMED	ROUND ID	ROLL FORMED		ROUND ID	H	ROLL FORMED	
					□	□			□	□
6'-0" & less	1 1/2"	1 7/8" x 1 5/8"	1 7/8" x 1 5/8"	2"	3 1/2" x 3 1/2"	2" x 1 3/4"	1 1/4"	1 1/2" x 1 5/16"	1 5/8" x 1 1/4"	1 3/4" x 1 1/4"
Over 6'-0"	2"	2 1/4" x 2"	2" x 1 3/4"	2 1/2"	3 1/2" x 3 1/2"	2 1/2" x 2 1/2"	1 1/4"	1 1/2" x 1 5/16"	1 5/8" x 1 1/4"	1 3/4" x 1 1/4"

a04detail.dgn	DESIGN BY A. CHUNG	CHECKED D. LOWE	STATE OF CALIFORNIA	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 52W000IR	<b>CONEJO TRUCK INSPECTION FACILITY IMPROVEMENTS</b>		SHEET A-4
TAEMWW Imper1al Rev. 7/10	DETAILS BY A. CHUNG	CHECKED C. FAUST	DEPARTMENT OF TRANSPORTATION	PROJECT NUMBER & PHASE 7376 07000005421	POST MILE 9.2	CHAIN LINK FENCE DETAILS		
08-MAY-2012 07:42	QUANTITIES	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 7376 07000005421	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF

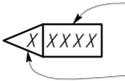
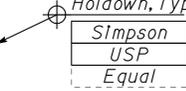
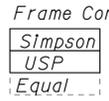
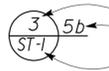
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	9.0,9.2	32	45

  
 REGISTERED CIVIL ENGINEER  
 DATE 12-21-10  


**ABBREVIATIONS**

AAD	Adhesive Anchorage Device	HD	Holdown
AB	Anchor Bolt	Hex	Hexagon
AC	Asphalt Concrete	Horiz	Horizontal
Alt	Alternate	HSB	High Strength Bolt
APA	American Plywood Association	HSS	Hollow Structural Section
APC	Alternative Pipe Culvert	Jt	Joint
Bldg	Building	LOL	Layout Line
Blkg	Blocking	LVL	Laminated Veneer Lumber
BN	Boundary Nailing	m	Meter
Btm	Bottom	Max	Maximum
CB	Carriage Bolt	MEA	Mechanical Expansion Anchor
CIDH	Cast In Drilled Hole	Mech	Mechanical
CJ	Control Joint	Mfr	Manufacturer
Clr	Clear	mm	Millimeter
CFS	Cold-Formed Steel	Min	Minimum
CMU	Concrete Masonry Unit	MIW	Malleable Iron Washer
Conc	Concrete	OC	On Center
Const	Construction	OG	Original Grade
Cont	Continuous	OH	Opposite Hand
CP	Complete Penetration Weld	Opt	Optional
Dbl	Double	OSB	Oriented Strand Board
DF	Douglas Fir	P	Pitch
Dia	Diameter	PDF	Powder Driven Fastener
DIP	Ductile Iron Pipe	Plwd	Plywood
DN	Diameter Nominal	PT	Pressure Treated
do	Ditto	PW	Puddle Weld (1/2" effective dia)
(E)	Existing	PWB	Prefabricated Wood I Beam
Ea	Each	RCP	Reinforced Concrete Pipe
EL	Elevation	ReInf	Reinforced, Reinforcing
Elec	Electrical	Req'd	Required
Embed	Embedment	SDSTS	Self-Drilling, Self-Tapping Screw
EN	Edge Nail	Sim	Similar
Eq	Equal	SPS	Structural Plywood Sheathing
Exp	Expansion	Sq	Square
FDGM	Free Draining Granular Material	Stagg	Staggered
FG	Finish Grade	Std	Standard
FL	Flow Line	SW	Stud Weld
Fir	Floor	Sym	Symmetrical
FN	Face (Field) Nail	T&G	Tongue-and-Groove
FOC	Face of Concrete	TN	Toe Nail
FOM	Face of Masonry	TS	Tube Steel
FOS	Face of Stud	Typ	Typical
Ftg	Footing	UON	Unless Otherwise Noted
Ga	Gage	Vert	Vertical
Galv	Galvanized		
GLM	Glue Laminated Member		
Gyp Bd	Gypsum Board		

**SYMBOLS**

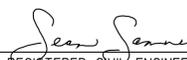
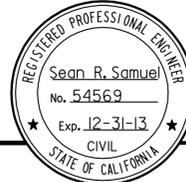
	Blocking in Section or Elevation		CMU Wall on Plan Views
	Continuous Member in Section		Dropped Slab on Plan Views
	End of Member		Reinforced Concrete
	Bearing Wall		Sand
	Shear Wall		Structural Backfill
	Length Shearwall Schedule Symbol Reference		Structural Excavation
	Glue Laminated Member Section		Original Ground
	North Arrow		Limits of Structural Backfill (shown on plan view)
	Partial Section Cut		Free Draining Granular Material
	Full Section Cut		Bottom of Footing
	Revision Callout		Elevation or Working Point
	Grid Line Indicator		Existing Features
	Center Line		Holdown, Typ (Manufacturers are those noted in the order shown.)
	Station Line		Frame Connector (Manufacturers are those noted in the order shown.)
	Steel Plate		Detail Number or Note Number Additional Reference (if required) Sheet Number
	Diameter		
	Square		

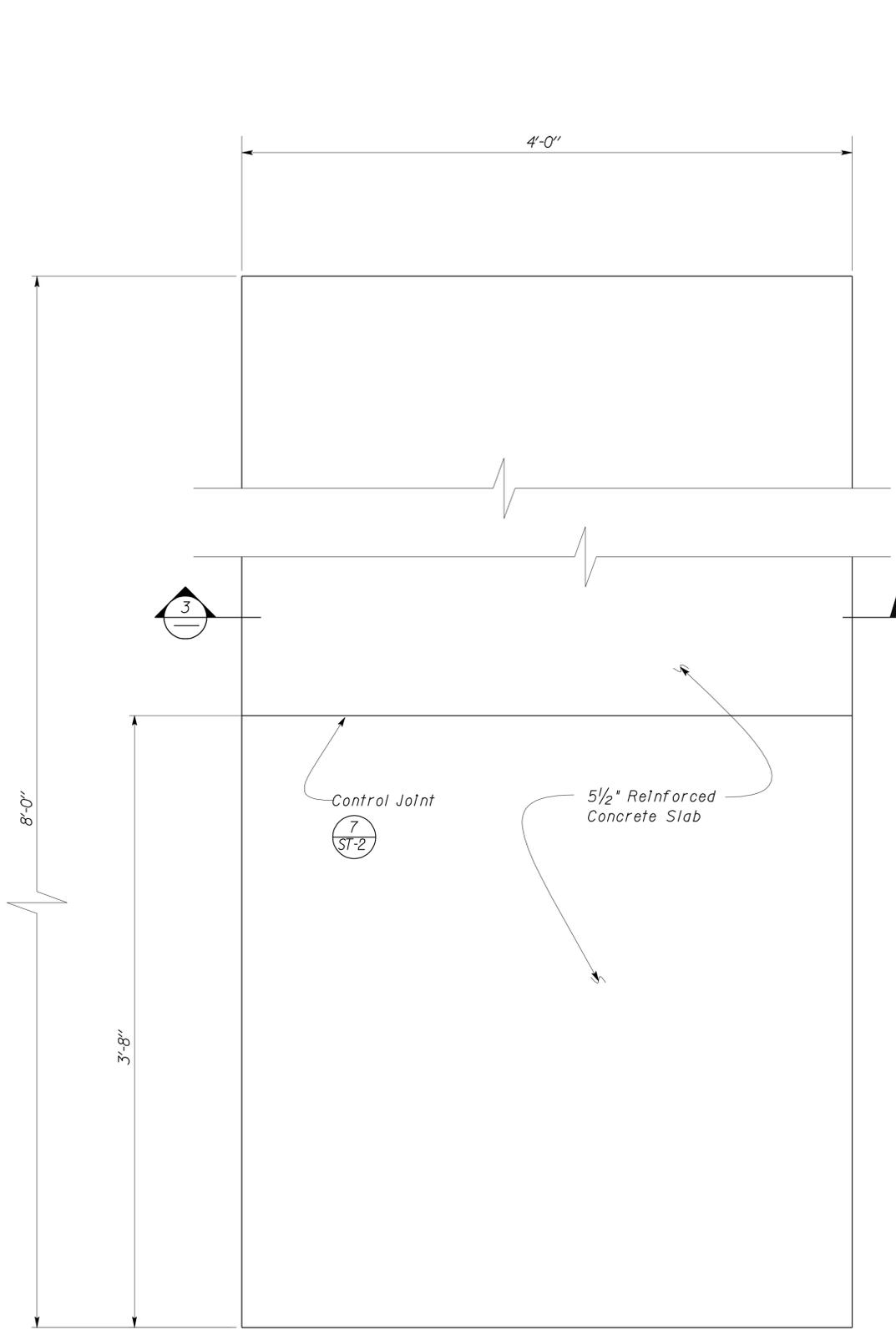
NOTE: SPECIFIC DETAILS OR NOTES ON OTHER SHEETS SHALL PREVAIL OVER DETAILS AND NOTES ON THIS SHEET

TAEMWW Imperial Rev. 7/10	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT PROJECT NUMBER & PHASE 1873 07000005421	BRIDGE NO. 52W0001R POST MILE 9.2	DISREGARD PRINTS BEARING EARLIER REVISION DATES →	REVISION DATES (PRELIMINARY STAGE ONLY)										SHEET OF ST-1
						09-08-09										
STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION			DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN		BRIDGE NO. 52W0001R POST MILE 9.2 <b>CONEJO TRUCK INSPECTION FACILITY IMPROVEMENT</b>					LEGEND						

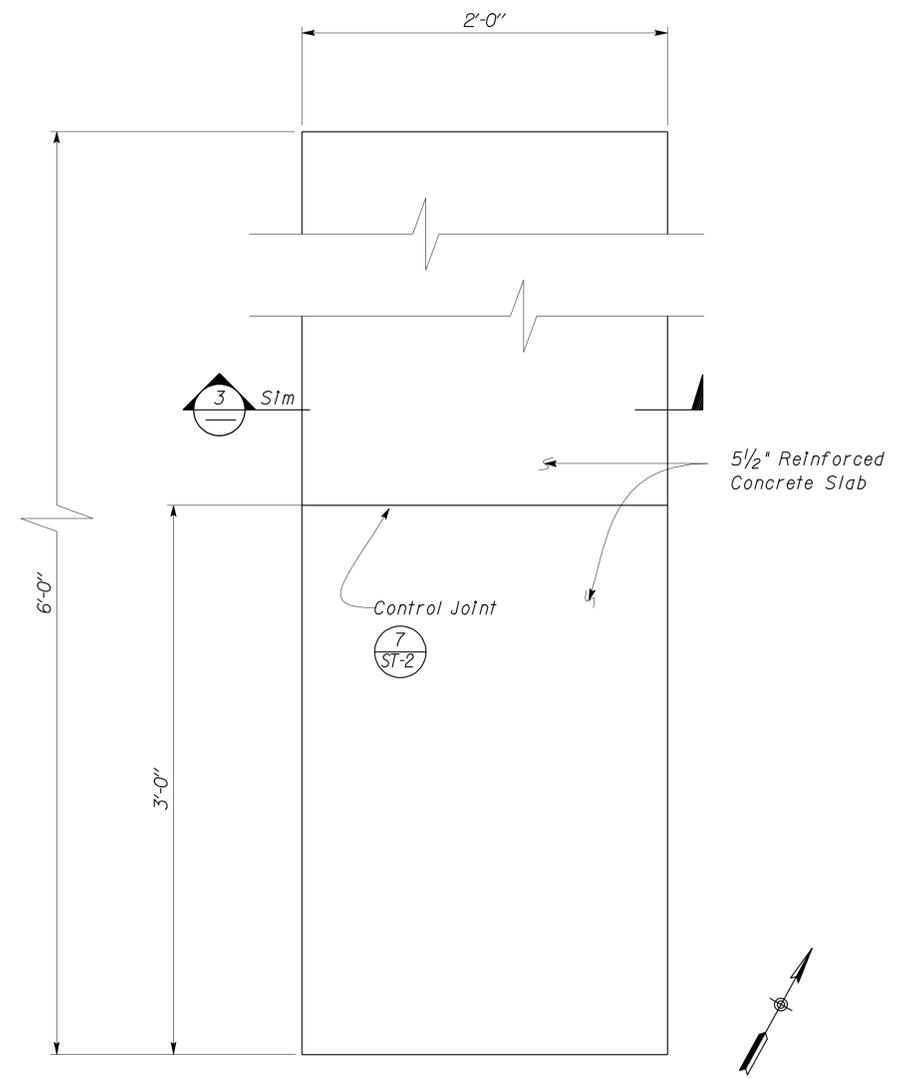
08-MAY-2012 07:59 st\_01.dgn



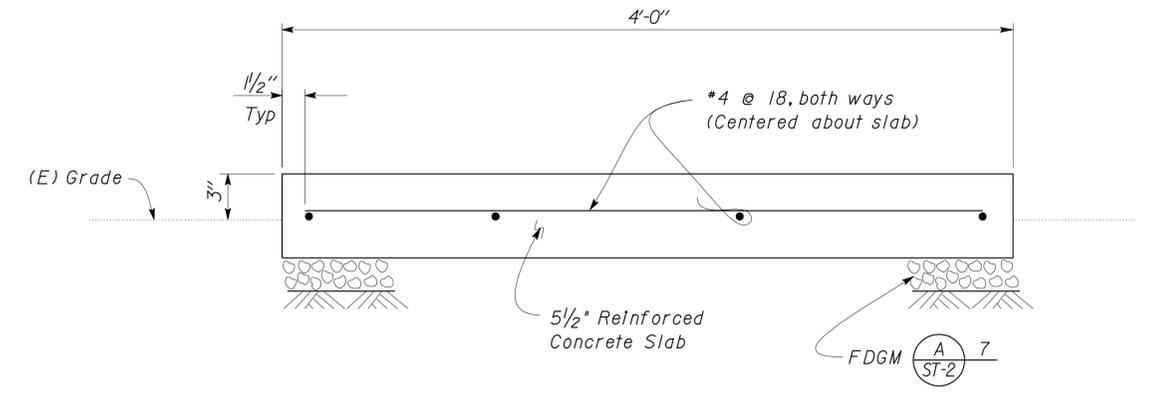
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	9.0,9.2	34	45
 REGISTERED CIVIL ENGINEER			12-21-10 DATE		
5-7-12 PLANS APPROVAL DATE					
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**1 GENERATOR SLAB PLAN**  
Scale 2" = 1' - 0"



**2 TRANSFER SWITCH/SERVICE DISCONNECT SLAB PLAN**  
Scale 2" = 1' - 0"



**3 CONCRETE SLAB SECTION**  
Scale 2" = 1' - 0"

- A GENERAL DESIGN NOTES**
- CRITERIA**  
 BUILDING CODE:  
 2007 California Building Code as Adopted by the California Building Standards Commission
  - MATERIALS**  
 REINFORCED CONCRETE: (Strength Design)  
 $f'_c = 3,000 \text{ psi}$   
 $f_y = 60,000 \text{ psi}$
  - FOUNDATION**  
 Allowable Soil Pressure: 1,000 psf (Assumed)

 DESIGN ENGINEER	DESIGN BY Justin Ueyhara	CHECKED Sean Samuel	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 52W0001R	<b>CONEJO TRUCK INSPECTION FACILITY IMPROVEMENT</b> STANDBY GENERATOR SLAB DETAILS	SHEET 34 OF 45
	DETAILS BY Justin Ueyhara	CHECKED Sean Samuel			POST MILE 9.2		
QUANTITIES BY	CHECKED	PROJECT NUMBER & PHASE 1873 07000005421			DISREGARD PRINTS BEARING EARLIER REVISION DATES → 12-20-10		REVISION DATES (PRELIMINARY STAGE ONLY)

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	9.0,9.2	35	45

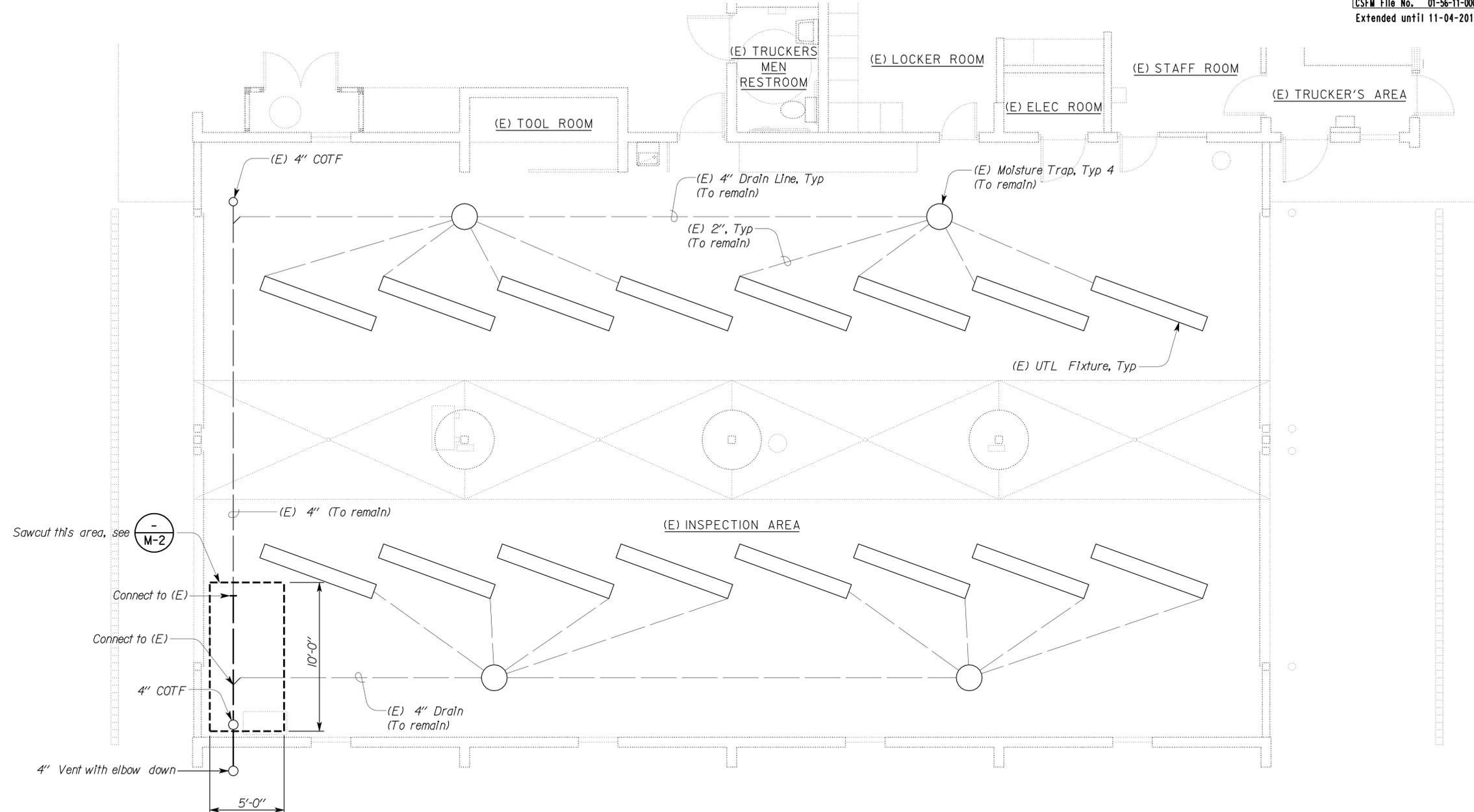
**CALIFORNIA STATE FIRE MARSHAL  
APPROVED FIRE AND PANIC ONLY**  
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

Reviewed by: *[Signature]*  
AARON GREER Fire and Life Safety South  
Approval date: 11-04-10  
CSFM File No. 01-56-11-0004  
Extended until 11-04-2012 by CSFM

*[Signature]* 12-07-10  
REGISTERED ENGINEER-MECHANICAL

5-7-12  
PLANS APPROVAL DATE

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- ABBREVIATIONS:**
- (E) Existing
  - COTF Cleanout Through Floor
  - COTG Cleanout Through Grade
  - ELEC Electrical
  - PVC Polyvinyl Chloride
  - TYP Typical
  - UTL Under Truck Light

**PLAN**  
SCALE: 1/4" = 1'-0"

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

 DESIGN SUPERVISOR  DESIGN ENGINEER	DESIGN BY <i>Tom Hatam</i>	CHECKED <i>Mark Hedglin</i>	<b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 52W0001R	<b>CONEJO TRUCK INSPECTION FACILITY IMPROVEMENTS</b> MECHANICAL PLAN	SHEET <b>M-1</b> OF
	DETAILS BY <i>Rudy Sartre</i>	CHECKED <i>Tom Hatam</i>		ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	POST MILE 9.2		
	QUANTITIES BY <i>Tom Hatam</i>	CHECKED <i>Mark Hedglin</i>		UNIT PROJECT NUMBER & PHASE 1873 07000005421	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	

DS OSD 2139A (4/89) FILE => m\_1.dgn DATE PLOTTED => 08-MAY-2012 TIME PLOTTED => 07:43

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

REVISION DATES (PRELIMINARY STAGE ONLY) 04-23-10 05-23-10 09-07-10 10-04-10 12-07-10

USERNAME => s117606 DATE PLOTTED => 08-MAY-2012 TIME PLOTTED => 07:43

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applicable regulations. Final approval is  
subject to field inspection. One set of  
approved plans shall be available on the  
project site at all times.

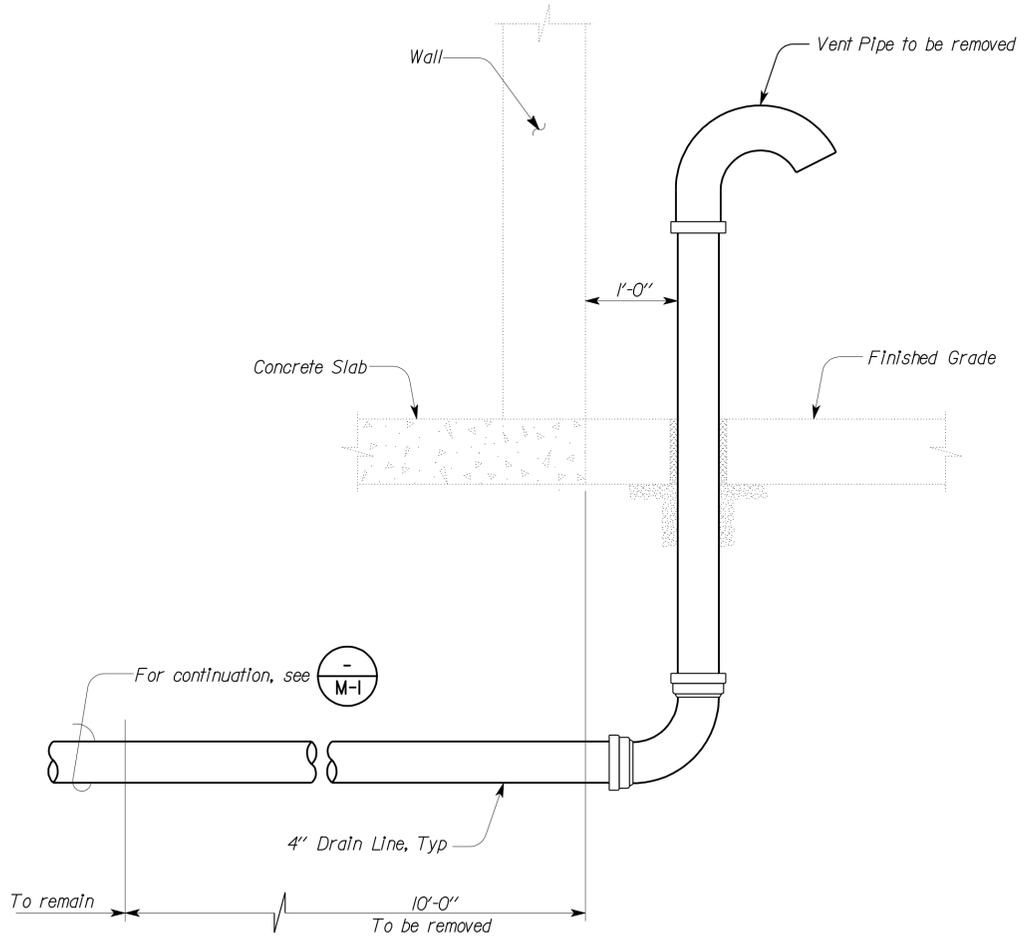
Reviewed by: *[Signature]*  
AARON GREER Fire and Life Safety South  
Approval date: 11-04-10  
CSFM File No. 01-56-11-0004  
Extended until 11-04-2012 by CSFM

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	9.0, 9.2	36	45

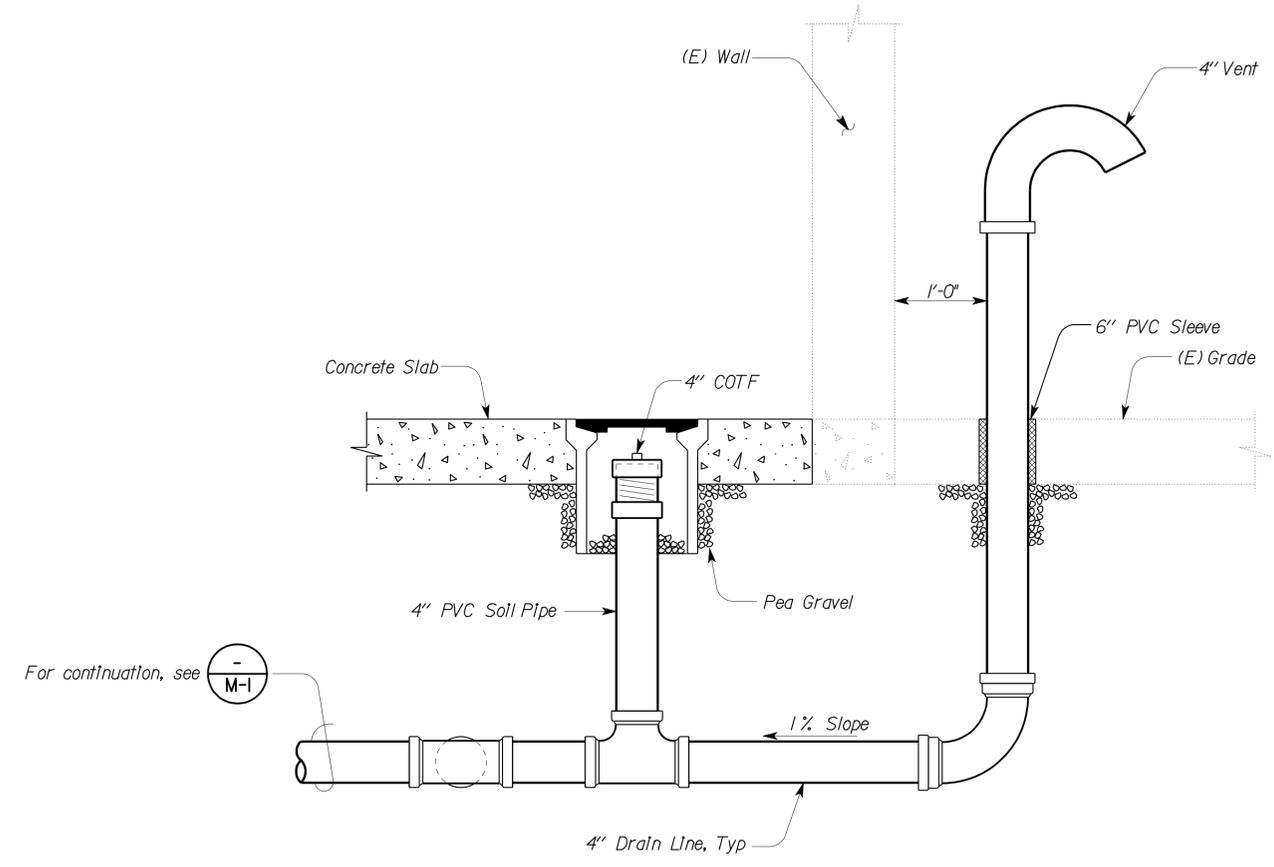
*Tom H. Hatam* 12-07-10  
REGISTERED ENGINEER-MECHANICAL

5-7-12  
PLANS APPROVAL DATE

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**EXISTING**



**MODIFIED**

**UNDER TRUCK LIGHT DRAINAGE**

SCALE: 1" = 1'-0"

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

DESIGN BY <i>Tom Hatam</i> CHECKED <i>Mark Hedglin</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 52W0001R	<b>CONEJO TRUCK INSPECTION FACILITY IMPROVEMENTS</b>	SHEET <b>M-2</b>	
			POST MILE 9.2			MECHANICAL DETAILS
DETAILS BY <i>Rudy Sarte</i> CHECKED <i>Tom Hatam</i>	UNIT PROJECT NUMBER & PHASE 1873 07000005421	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)			SHEET OF
QUANTITIES BY <i>Tom Hatam</i> CHECKED <i>Mark Hedglin</i>			04-23-10	05-23-10	09-07-10	

DS OSD 2139A (4/89) FILE => m\_2.dgn DATE PLOTTED => 09-MAY-2012 TIME PLOTTED => 14:10

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

OF2401

USERNAME => s114640 DATE PLOTTED => 09-MAY-2012 TIME PLOTTED => 14:10

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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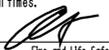
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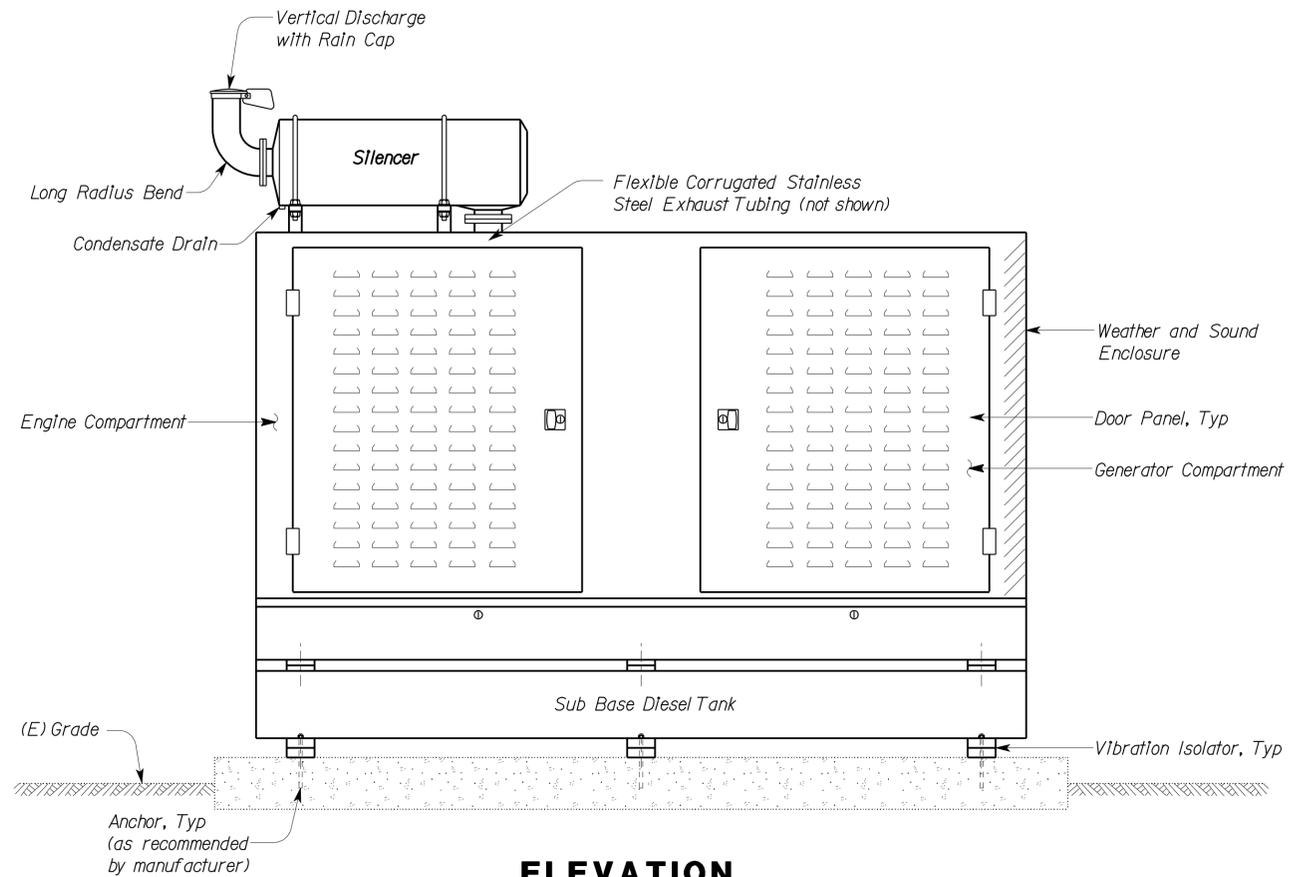
  

5-7-12
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APPROVED FIRE AND PANIC ONLY**  
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Reviewed by:   
 AARON GREER Fire and Life Safety South  
 Approval date: 11-04-10  
 CSFM File No. 01-56-11-0004  
 Extended until 11-04-2012 by CSFM



**1 ELEVATION  
STANDBY GENERATOR**

NO SCALE

Note: For location of Standby Generator, see Electrical Sheets.

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

DS OSD 2139A (4/89) FILE NO.:	FILE => m_3.dgn DATE PLOTTED => 08-MAY-2012 TIME PLOTTED => 08:45	DESIGN	BY Tom Hatam	CHECKED Mark Hedglin	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	52W0001R	<b>CONEJO TRUCK INSPECTION FACILITY IMPROVEMENTS</b> STANDBY GENERATOR	SHEET M-3 OF
		DETAILS	BY Rudy Sarte	CHECKED Tom Hatam			POST MILE	9.2		
		QUANTITIES	BY Tom Hatam	CHECKED Mark Hedglin			UNIT PROJECT NUMBER & PHASE	1873 07000005421		

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0	1	2	3
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DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET	OF
	04-23-10   05-23-10   09-07-10   10-04-10   12-07-10		

USERNAME => s114937 DATE PLOTTED => 08-MAY-2012 TIME PLOTTED => 08:45

## GRAPHIC SYMBOLS FOR ELECTRICAL WIRING AND LAYOUT DIAGRAMS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	POLE-TOP ELECTROLIER		OCCUPANCY SENSOR WALL SWITCH, SINGLE LEVEL
	POLE-ARM ELECTROLIER		OCCUPANCY SENSOR WALL SWITCH, BILEVEL
	CEILING WALL		MOTION SENSOR SWITCH
	SURFACE FLUORESCENT, METAL HALIDE OR SODIUM VAPOR FIXTURE		MANUAL MOTOR STARTING SWITCH, THERMAL OVERLOAD TYPE
	RECESSED FLUORESCENT, METAL HALIDE, OR SODIUM VAPOR FIXTURE		MANUAL MOTOR STARTING SWITCH, WITHOUT OVERLOAD ELEMENT
	EXIT LIGHT		TIMER SWITCH
	SURFACE OR PENDANT INDIVIDUAL FLUORESCENT FIXTURE		SWITCH AND SINGLE RECEPTACLE
	RECESSED INDIVIDUAL FLUORESCENT FIXTURE		SWITCH AND DUPLEX RECEPTACLE
	SURFACE OR PENDANT CONTINUOUS ROW FLUORESCENT FIXTURES		HAND DRYER NOZZLE
	NOTE: A LOWER CASE LETTER NEAR GRAPHIC LIGHTING FIXTURE SYMBOL DENOTES THAT FIXTURE IS CONTROLLED BY A SIMILARLY MARKED SWITCH, AN ALPHANUMERIC SYMBOL NEAR GRAPHIC LIGHTING FIXTURE SYMBOL DENOTES FIXTURE TYPE, (I=INCANDESCENT, F=FLUORESCENT, MH=METAL HALIDE, H=HIGH PRESSURE SODIUM VAPOR), DESIGN TYPE, NUMBER OF LAMPS AND WATTAGE.		HAND DRYER
	EXAMPLE: (4) F 2 - 2 x 32		RADIO OUTLET
	├── 32 WATT LAMPS		COMMUNICATION OUTLET
	├── 2 LAMPS		SOUND SYSTEM LOUD SPEAKER OUTLET
	├── DESIGN TYPE		PUSHBUTTON
	├── FLUORESCENT		PUSHBUTTON STATION, NC, WITH LOCKING DEVICE FOR OPEN
	└── NUMBER OF FIXTURES		PUSHBUTTON STATION MOTOR CONTROL
	BLANK OUTLET		BUZZER
	JUNCTION BOX		BELL
	DROP CORD		COMBINATION BELL-BUZZER
	SINGLE RECEPTACLE OUTLET		THERMOSTAT
	DUPLEX RECEPTACLE OUTLET		PRESSURE SWITCH
	DUPLEX RECEPTACLE OUTLET (WITH GFCI)		CONTROL RELAY
	DUPLEX RECEPTACLE OUTLET, WEATHERPROOF (WITH GFCI)		FLOW SWITCH
	SINGLE, SPECIAL PURPOSE RECEPTACLE OUTLET		PHOTOELECTRIC CELL
	DUPLEX, SPECIAL PURPOSE RECEPTACLE OUTLET		RADIO OUTLET
	RANGE OUTLET		TELEVISION OUTLET
	CLOCK HANGER RECEPTACLE		MICROPHONE OUTLET
	FAN HANGER RECEPTACLE		FLUSH-MOUNTED PANELBOARD AND CABINET
	FLOOR SINGLE RECEPTACLE OUTLET		SURFACE-MOUNTED PANELBOARD AND CABINET
	FLOOR DUPLEX RECEPTACLE OUTLET		LIGHTING PANEL
	FLOOR SPECIAL PURPOSE OUTLET		POWER PANEL
	FLOOR RADIO OUTLET		COMBINATION LIGHTING AND POWER
	FLOOR TELEPHONE OUTLET		MOTOR CONTROLLER
	MULTI-FLOOR OUTLET, 2 OR MORE GANG		DISCONNECT SWITCH
	MULTI-OUTLET ASSEMBLY		CONDUIT CONCEALED IN CEILING OR WALL
	S SINGLE POLE SWITCH		CONDUIT CONCEALED IN FLOOR
	S <sub>2</sub> DOUBLE POLE SWITCH		CONDUIT EXPOSED
	S <sub>3</sub> THREE WAY SWITCH		CROSS-LINES INDICATE NUMBER OF #12 AWG CONDUCTORS. LONGER CROSS-LINE INDICATES #12 AWG (G) FOR EQUIPMENT GROUNDING CONDUCTOR. NO CROSS-LINE INDICATES 2#12 WITH #12 (G) UNLESS OTHERWISE NOTED. ALL CONDUIT SHALL BE 1/2" UNLESS OTHERWISE NOTED.
	S <sub>4</sub> FOUR WAY SWITCH		HOMERUN TO PANELBOARD, ARROWS INDICATE NUMBER OF CIRCUITS, LETTER DENOTES PANEL-BOARD, NUMERAL DENOTES CIRCUIT.
	S <sub>D</sub> AUTOMATIC DOOR		SURFACE METAL RACEWAY
	S <sub>K</sub> KEY OPERATED SWITCH		(2) 1/2" C, PVC, 2#12 CONDUIT INFO (PER CONDUIT) CONDUIT TYPE CONDUIT SIZE NUMBER OF CONDUITS (NO NUMBER INDICATES ONE CONDUIT)
	S <sub>P</sub> SWITCH AND PILOT LIGHT		CONDUIT, RIGID STEEL, UNDERGROUND
	S <sub>MC</sub> MOMENTARY CONTACT SWITCH		CONDUIT, POLYVINYL CHLORIDE, UNDERGROUND
	S <sub>RC</sub> REMOTE CONTROL SWITCH		CONDUIT, FLEXIBLE
	S <sub>WP</sub> WEATHERPROOF SWITCH		CONDUIT, TURN UP
	S <sub>F</sub> FAN SWITCH		CONDUIT, TURN DOWN
	S <sub>L</sub> LIGHT SWITCH		CONDUIT SEAL, EXPLOSION-PROOF
	S <sub>H</sub> HEATER SWITCH		CONDUIT EXPANSION JOINT
	S <sub>Vs</sub> VARIABLE SPEED MOTOR CONTROL SWITCH		ADAPTER, ONE TYPE CONDUIT TO ANOTHER
	S <sub>CHLF</sub> TWO TIMER SWITCHES, ONE SWITCH FOR LIGHT AND FAN AND ONE SWITCH FOR HEAT LAMP		POLE

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	OCCUPANCY SENSOR		OCCUPANCY SENSOR POWER PACK
	HEAT DETECTOR		SMOKE DETECTOR
	MANUAL PULL STATION		AUDIO/VISUAL ALARM DEVICE
	GLASS BREAK DISCRIMINATOR		MAGNETIC CONTACT SWITCH-PEDESTRIAN DOOR
	MAGNETIC CONTACT SWITCH-VEHICLE DOOR		KEYPAD FOR ALARM SYSTEM
	COMBINATION DETECTOR (MICROWAVE/PASSIVE INFRARED)		COMBINATION HEAT, LIGHT AND FAN UNIT
	PULL BOX-LETTER INDICATES TYPE OF PULL BOX (E-ELECTRICAL, T-TELEPHONE, R-RADIO)		SECTION/ELEVATION LETTER
	PULL BOX (TRAFFIC RATED)-LETTER INDICATES TYPE OF PULL BOX (E-ELECTRICAL, T-TELEPHONE, R-RADIO)		SHEET NUMBER
	DETAIL NUMBER		DETAIL NUMBER
	SHEET NUMBER		SHEET NUMBER

### REMODEL WORK

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	EXISTING FLUORESCENT FIXTURE-TO REMAIN		EXISTING FLUORESCENT FIXTURE-REMOVE
	EXISTING INCANDESCENT FIXTURE-TO REMAIN		EXISTING INCANDESCENT FIXTURE-REMOVE
	EXISTING OUTLET-TO REMAIN		EXISTING RECEPTACLE OUTLET-TO REMAIN
	EXISTING RECEPTACLE OUTLET-REMOVE		EXISTING CONDUIT AND CONDUCTORS-TO REMAIN UNLESS OTHERWISE NOTED
	EXISTING CONDUIT AND CONDUCTORS-REMOVE		EXISTING SWITCH-TO REMAIN
	EXISTING SWITCH-REMOVE		EXISTING SWITCH-REMOVE
	EXISTING JUNCTION BOX-TO REMAIN		EXISTING JUNCTION BOX-REMOVE
	CLOSED CIRCUIT TELEVISION CAMERA		

### STANDARD PLANS

DATED MAY, 2006

- RSP ES-7E
- ES-7M
- ES-7N

## GRAPHIC SYMBOLS FOR ELECTRICAL DIAGRAMS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	CIRCUIT BREAKER, SINGLE POLE		CIRCUIT BREAKER, DOUBLE POLE
	CIRCUIT BREAKER, THREE POLE		CIRCUIT BREAKER, WITH GROUND FAULT CIRCUIT INTERRUPTER
	CIRCUIT BREAKER, SINGLE POLE, SWITCHED NEUTRAL		CONTACT, NORMALLY OPEN
	CONTACT, NORMALLY CLOSED		CONTACT, NORMALLY CLOSED, TIME DELAY CLOSING ON DE-ENERGIZING
	CONTACT, NORMALLY OPEN, TIME DELAY OPENING ON DE-ENERGIZING		CONTACT, NORMALLY OPEN, TIME DELAY CLOSING ON ENERGIZING
	CONTACT, NORMALLY CLOSED, TIME DELAY OPENING ON ENERGIZING		CONTACT, SINGLE POLE DOUBLE-THROW
	OPERATING COIL		LIQUID LEVEL ACTUATED SWITCH, NORMALLY CLOSED
	LIQUID LEVEL ACTUATED SWITCH, NORMALLY OPEN		PRESSURE ACTUATED SWITCH, NORMALLY CLOSED
	PRESSURE ACTUATED SWITCH, NORMALLY OPEN		FLOW ACTUATED SWITCH, NORMALLY CLOSED
	FLOW ACTUATED SWITCH, NORMALLY OPEN		TEMPERATURE ACTUATED SWITCH, NORMALLY CLOSED
	TEMPERATURE ACTUATED SWITCH, NORMALLY OPEN		LIMIT SWITCH, NORMALLY CLOSED
	LIMIT SWITCH, NORMALLY OPEN		PUSHBUTTON SWITCH, NORMALLY CLOSED
	PUSHBUTTON SWITCH, NORMALLY OPEN		SWITCH, SINGLE-POLE
	SWITCH, SINGLE-POLE, DOUBLE-THROW		SWITCH, DOUBLE-POLE
	SWITCH, DOUBLE-POLE, DOUBLE-THROW		SWITCH, SINGLE-POLE, 3-POSITION
	THERMAL OVERLOAD		FUSE
	RESISTOR		VARIABLE RESISTOR
	TRANSFORMER WINDING		GROUNDING ELECTRODE
	ENCLOSURE BOND		PILOT LIGHT (A=AMBER, G=GREEN, R=RED)
	GENERATOR		MOTOR
	FAN MOTOR		

### PROJECT NOTES

- A. SEPARATE GROUNDED (NEUTRAL) CONDUCTOR SHALL BE USED FOR EACH 120-VOLT CIRCUIT.
- B. HOMERUNS TO PANELBOARDS SHALL BE INSTALLED AS SHOWN ON THE PLANS. HOMERUNS SHALL NOT BE COMBINED.
- C. A SINGLE INSULATED EQUIPMENT GROUNDING CONDUCTOR (SIZED AS REQUIRED) SHALL BE INSTALLED IN EACH CONDUIT RUN.

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	9.0,9.2	38	45

*Tech Ngov*  
REGISTERED ELECTRICAL ENGINEER DATE 7-14-11

5-7-12  
PLANS APPROVAL DATE

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### ABBREVIATIONS

A	AMPERES
A/C	AIR CONDITIONING UNIT
ACS	AIR COMPRESSOR STARTER
AI	ANALOG INPUT
AL	ALARM LIGHT
AO	ANALOG OUTPUT
AVC	AIR VOLUME CONTROLLER
BD	BUILDING DISCONNECT
BRK	BREAKER
C	CONDUIT
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CR	CONTROL RELAY
CSW	CURRENT SWITCH
DI	DIGITAL INPUT
DO	DIGITAL OUTPUT
DP	DUPLEX PLUG RECEPTACLE
(E)	EXISTING
EF	EXHAUST FAN
F	FUSE
FL	FAILURE LIGHT
FLEX	FLEXIBLE CONDUIT
FLS	FLOW SWITCH
FR	FAILURE RESET
FS	FLOAT SWITCH
G	GROUND
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GRS	GALVANIZED RIGID STEEL
IR	INDUCTION RELAY
JB	JUNCTION BOX
L	LIGHT
LC	LIGHTING CONTACTOR
LCP	LIGHTING CONTROL PANEL
LD	LIGHT DISCONNECT
LL	LIQUID LEVEL RELAY
LLC	LIQUID LEVEL CONTROLLER
LP	LIGHT PANEL
LS	LIGHT SWITCH
LT	LIGHT TRANSFORMER
LTO	LIGHT TRANSFORMER OVERLOAD
MB	MAIN BREAKER
MC	METALLIC CONDUIT
MCP	MOTOR CIRCUIT PROTECTOR
MCC	MOTOR CONTROL CENTER
MSB	MAIN SWITCHBOARD
MT	EMPTY CONDUIT
(N)	NEW
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NSW	NEUTRAL SWITCHING BREAKER
OL	OVERLOAD
P	POLE
PA	PUBLIC ADDRESS
PB	PULL BOX
PB	PUSHBUTTON
PFR	PHASE FAILURE RELAY
PFRD	PHASE FAILURE RELAY DISCONNECT
PEC	PHOTOELECTRIC CELL
PL	PILOT LIGHT
PS	PRESSURE SWITCH
PTS	POWER TRANSFER SWITCH
PVC	POLYVINYL CHLORIDE
RES	RESISTOR
RTB	RADIO TERMINAL BOARD
S	STARTER COIL
SD	SERVICE DISCONNECT
SFR	SEAL FAILURE RELAY
SL	SUMP LIGHT
SPR	STANDBY POWER RECEPTACLE
SS	SELECTOR SWITCH
ST	STARTER
SV	SOLENOID VALVE
T	TRANSFORMER
TB	TERMINAL BLOCK
TDR	TIME DELAY RELAY
TGLS	TOGGLE SWITCH
TM	TIME METER
TOT	TOTAL
TS	TIMER SWITCH
TSW	TEST SWITCH
TTB	TELEPHONE TERMINAL BOARD
TYP	TYPICAL
UPS	UNINTERRUPTIBLE POWER SUPPLY
WLS	WATER LEVEL SWITCH
WP	WEATHERPROOF

**CALIFORNIA STATE FIRE MARSHAL**  
**APPROVED FIRE AND PANIC ONLY**  
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approvals subject to field inspection. One set of approved plans shall be available on the project site at all times.

Reviewed by:   
AARON GREER Fire and Life Safety South  
Approval date: 11-04-10  
CSFM File No. 01-56-11-0004  
Extended until 11-04-2012 by CSFM

TAEWW Imper-Id Rev. 7/10	DESIGN	BY <i>CJW/Prakash Sah</i>	CHECKED <i>Tech Ngov</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE NO.	52W0001R/L	<b>CONEJO TRUCK INSPECTION FACILITY IMPROVEMENTS</b>	SHEET	EE-0
	DETAILS	BY <i>Kathl Andreasen</i>	CHECKED <i>CJW/Prakash Sah</i>		POST MILE	9.0,9.2		LEGEND	OF
	QUANTITIES	BY <i>CJW/Prakash Sah</i>	CHECKED <i>Tech Ngov</i>		UNIT	3597			
					PROJECT NUMBER & PHASE	07000005421			
					DISREGARD PRINTS BEARING EARLIER REVISION DATES				
					REVISION DATES (PRELIMINARY STAGE ONLY)				

08-MAY-2012 10:30 ee\_00.dgn

**(E) NORTHBOUND CONEJO TRUCK INSPECTION FACILITY**  
(See sheet EE-2)

**CALIFORNIA STATE FIRE MARSHAL**  
**APPROVED FIRE AND PANIC ONLY**  
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Reviewed by: *[Signature]* Fire and Life Safety South  
AARON GREER  
Approval date: 11-04-10  
CSFM File No. 01-56-11-0004  
Extended until 11-04-2012 by CSFM

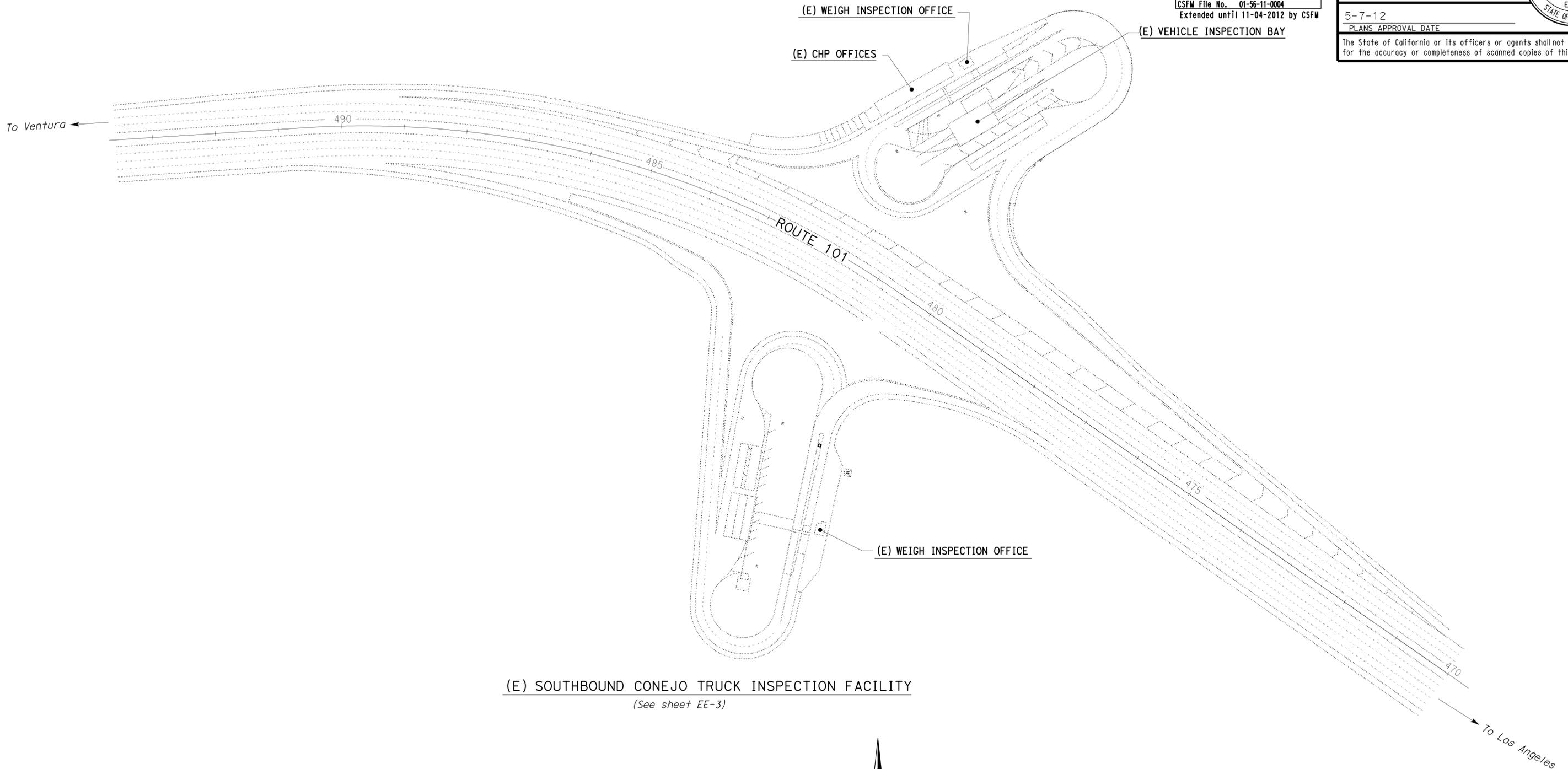
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	9.0,9.2	39	45

<i>Tech Ngov</i>	7-14-11
REGISTERED ELECTRICAL ENGINEER	DATE

5-7-12  
PLANS APPROVAL DATE

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**(E) SOUTHBOUND CONEJO TRUCK INSPECTION FACILITY**  
(See sheet EE-3)

**PLAN**  
SCALE 1" = 80'-0"



THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY.

DESIGN	BY <i>CJW/Prakash Sah</i>	CHECKED <i>Tech Ngov</i>
DETAILS	BY <i>Andreasen/Monson</i>	CHECKED <i>CJW/Prakash Sah</i>
QUANTITIES	BY <i>CJW/Prakash Sah</i>	CHECKED <i>Tech Ngov</i>

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES  
ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

BRIDGE NO. 52W0001R/L  
POST MILE 9.0,9.2

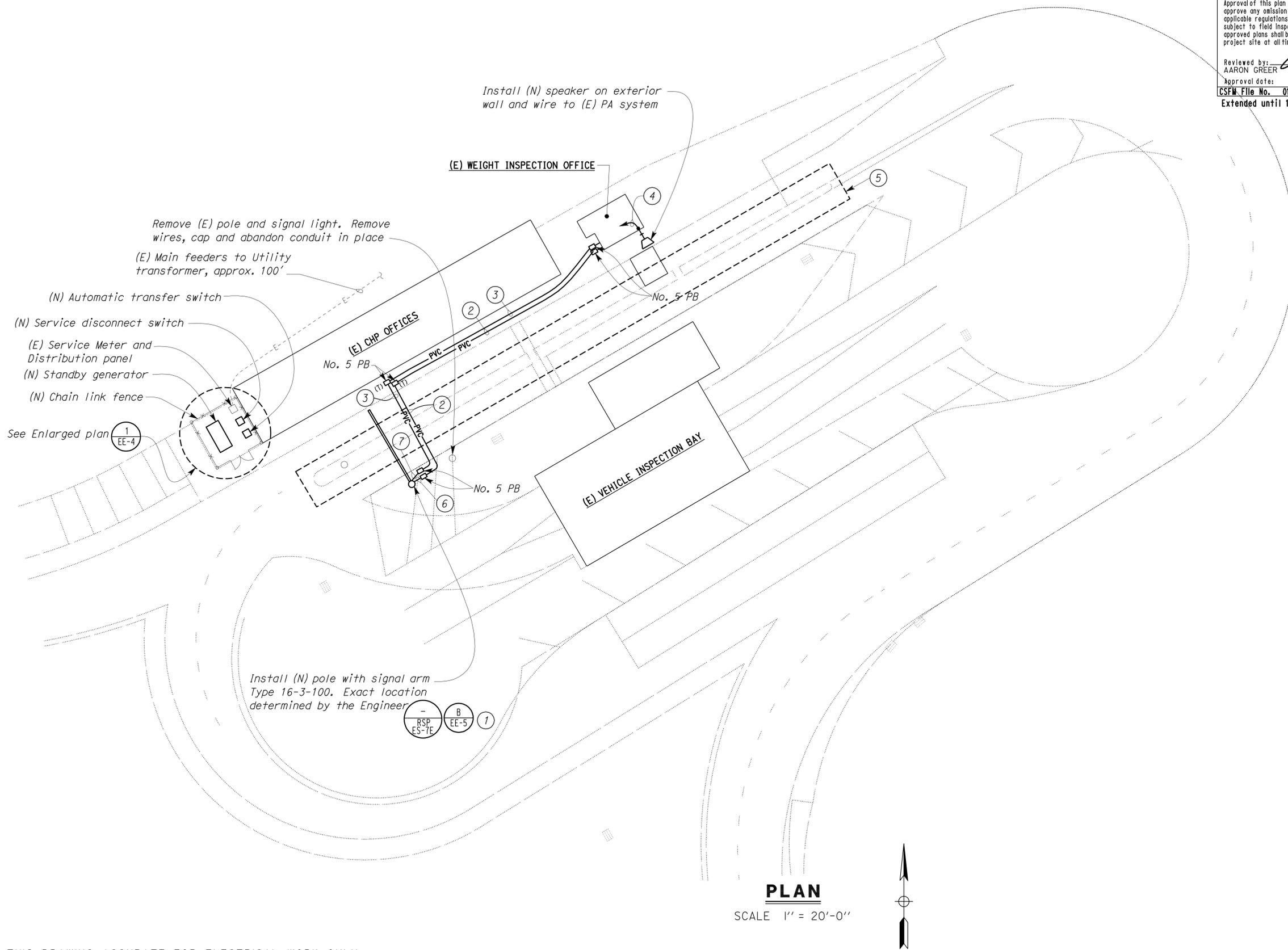
**CONEJO TRUCK INSPECTION FACILITY IMPROVEMENTS**  
SITE PLAN

SHEET **EE-1** OF

TAEMWW Imperial Rev. 7/10	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	UNIT PROJECT NUMBER & PHASE 3597 07000005421 EA 278901	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
					2/28/10 3/23/10 1/3/11 5/19/10 6/14/10 6/17/10 7/28/10 7/28/10 9/28/10	

08-MAY-2012 09:01 ee\_01.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	9.0,9.2	40	45
Reviewed by: <i>Tech Ngov</i> REGISTERED ELECTRICAL ENGINEER DATE 7-14-11			CSFM File No. 01-56-11-0004 Extended until 11-04-2012 by CSFM		
5-7-12 PLANS APPROVAL DATE					
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- Notes:**
- 1) Install one speaker, two signal lights, and one remote weight display.
  - 2) 1/2" C, install one speaker cable, one remote display cable. Connect remote display case to existing scale in the existing Weight Inspection Office. Connect speaker cable to existing PA system.
  - 3) 1 1/2" C, 8#12, 1#12G, for signal lights. Connect signal lights to existing control console in existing Weight Inspection Office. Existing control console and control diagram are furnished upon request.
  - 4) Connect speaker cable to existing PA system control box, inside Weight Inspection Office. Ensure new speaker is compatible to existing PA control box. PA control box is Peavy Model #UMA75T.
  - 5) The whole length of the concrete island is to be removed, see Roadway plans for details. For electrical items inside the island, see sheet EE-7.
  - 6) 1" C, MC, remote display cable and speaker cable.
  - 7) 1" C, MC, 8#12, 1#12G for Signal lights.

**PLAN**

SCALE 1" = 20'-0"

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY.

DESIGN	BY CJW/Prakash Sah	CHECKED Tech Ngov
DETAILS	BY Andreason/Monson	CHECKED CJW/Prakash Sah
QUANTITIES	BY CJW/Prakash Sah	CHECKED Tech Ngov

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES  
ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

BRIDGE NO. 52W0001R  
POST MILE 9.2

**CONEJO TRUCK INSPECTION FACILITY IMPROVEMENTS**  
NORTHBOUND SITE PLAN

SHEET EE-2 OF

TAEMWW Imperial Rev. 7/10

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT PROJECT NUMBER & PHASE 3597 07000005421

DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
2/28/10 1/31/11 4/28/10 5/18/10 6/14/10 7/26/10 9/23/10		

08-MAY-2012 09:01 ee\_02.dgn

**CALIFORNIA STATE FIRE MARSHAL  
APPROVED FIRE AND PANIC ONLY**  
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approvals subject to field inspection. One set of approved plans shall be available on the project site at all times.

Reviewed by: *[Signature]*  
AARON GREER Fire and Life Safety South  
Approval date: 11-04-10  
CSFM File No. 01-56-11-0004  
Extended until 11-04-2012 by CSFM

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	9.0,9.2	41	45

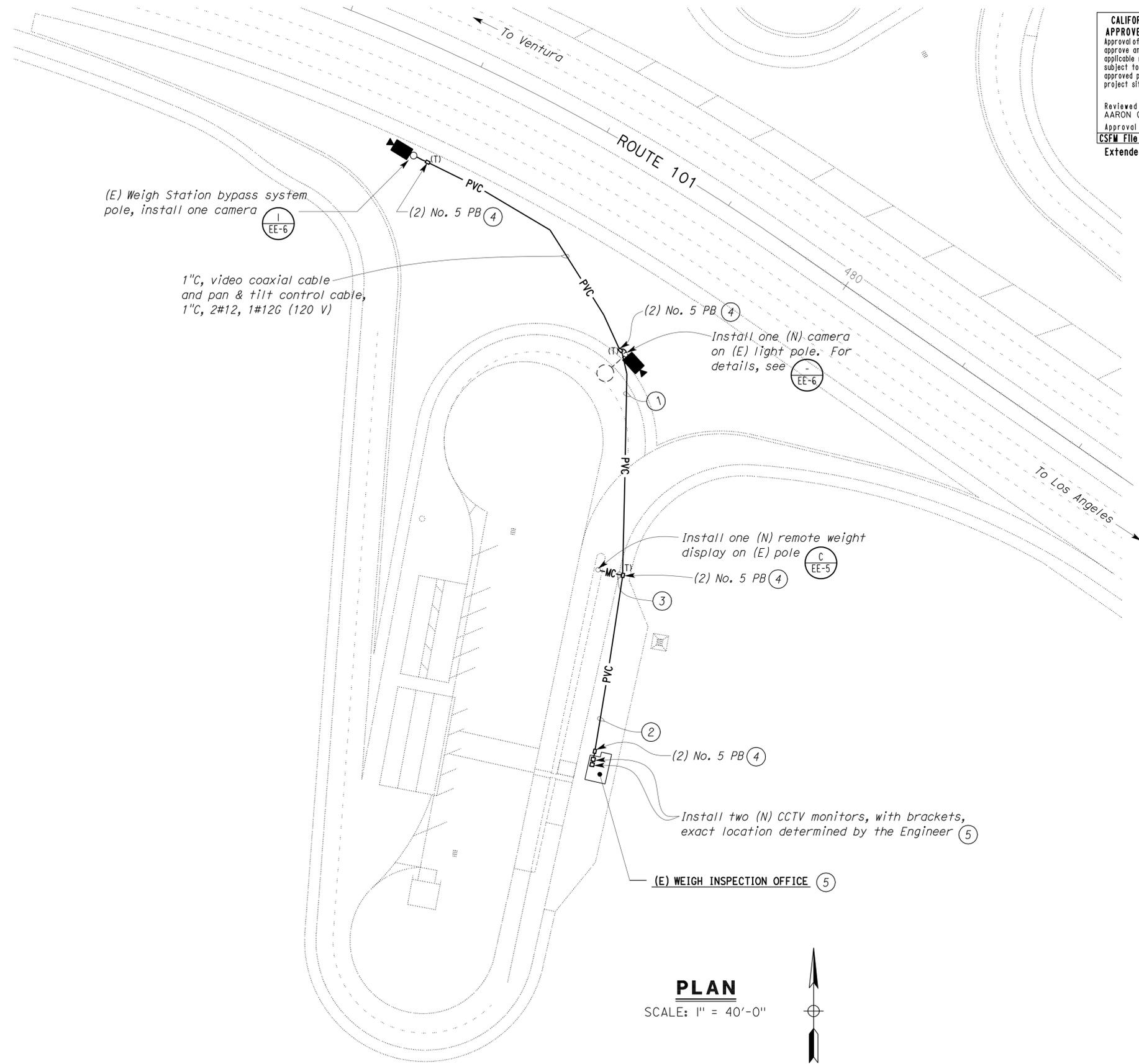
  

<i>Tech Ngov</i>	7-14-11
REGISTERED ELECTRICAL ENGINEER	DATE

5-7-12
PLANS APPROVAL DATE

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- Notes:
- 2" C, two 75 ohm coaxial cables and two cables required by camera control unit, and 1" C, 4#10, 1#12G. Stub up video conduit and power conduit in separate pull boxes.
  - 2" C, two 75 ohm coaxial cables, one cable as required by remote weight display unit, and two cables as required by camera control unit; and 1" C, 4#10, 1#12G.
  - 1" C, one cable as required by remote weight display.
  - Stub up conduit for 120 V power in one pull box, the coaxial cable another separate pull box.
  - Identify receptacles in the weigh inspection office for use by the camera control unit and monitors. Connect weight display cable to the existing scale as required. Existing scale is GSE Scale System Model # 450. Remote display unit shall be compatible with existing scale.

**PLAN**  
SCALE: 1" = 40'-0"

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY.

DESIGN	BY CJW/Prakash Sah	CHECKED Tech Ngov
DETAILS	BY Andreasen/Monson	CHECKED CJW/Prakash Sah
QUANTITIES	BY CJW/Prakash Sah	CHECKED Tech Ngov

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES  
ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

BRIDGE NO. 52W0001L  
POST MILE 9.0

**CONEJO TRUCK INSPECTION FACILITY IMPROVEMENTS**  
SOUTHBOUND SITE PLAN

SHEET EE-3 OF

TAEMWW Imperial Rev. 7/10

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3  
UNIT PROJECT NUMBER & PHASE 3597 07000005421  
EA 278901

DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
→	2/8/10 3/23/10 1/3/11 5/19/10 6/14/10 6/17/10 7/20/10 7/26/10 9/28/10	

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	9.0,9.2	42	45

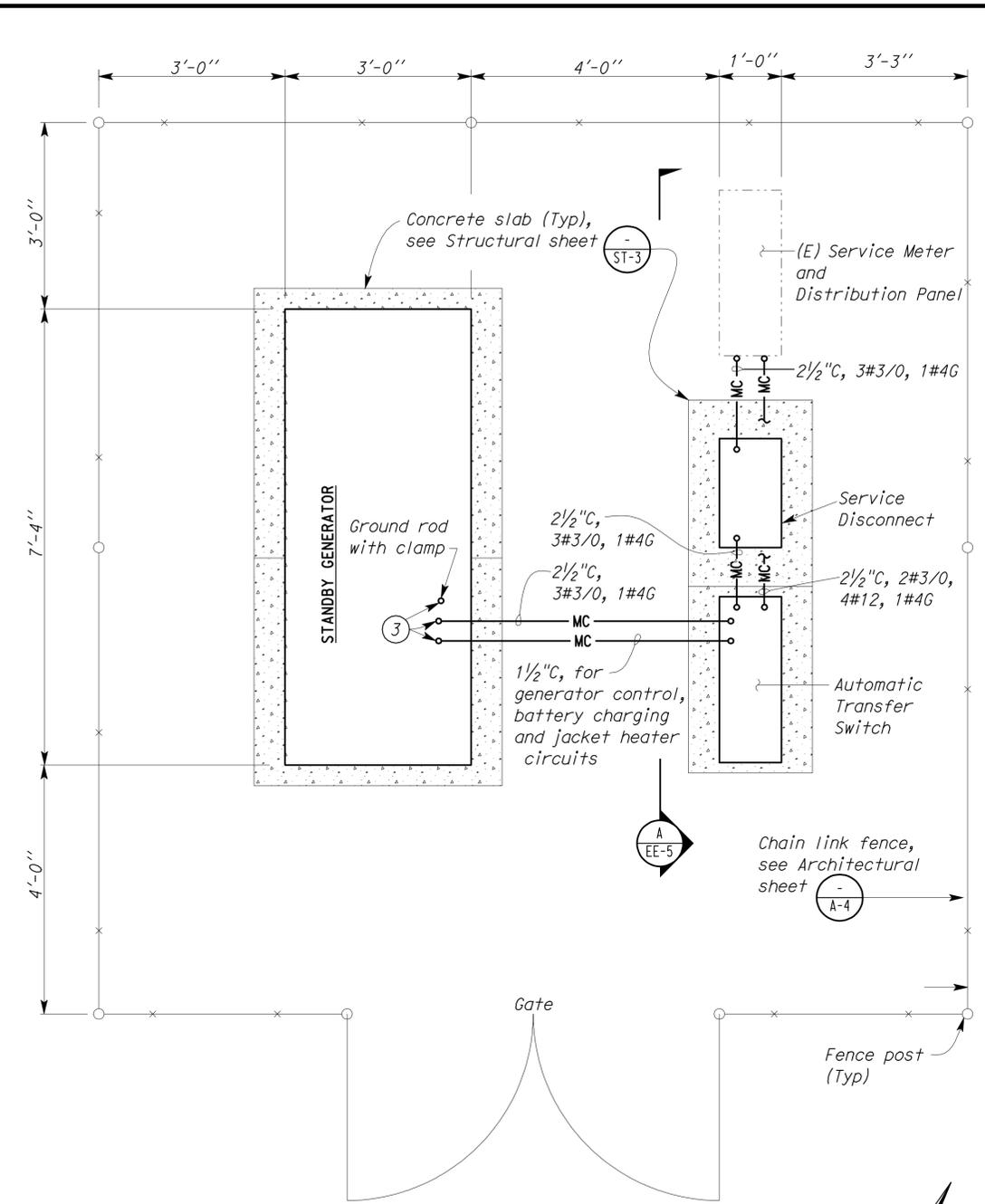
  

<i>Tech Ngov</i> REGISTERED ELECTRICAL ENGINEER DATE 7-14-11		
PLANS APPROVAL DATE 5-7-12		

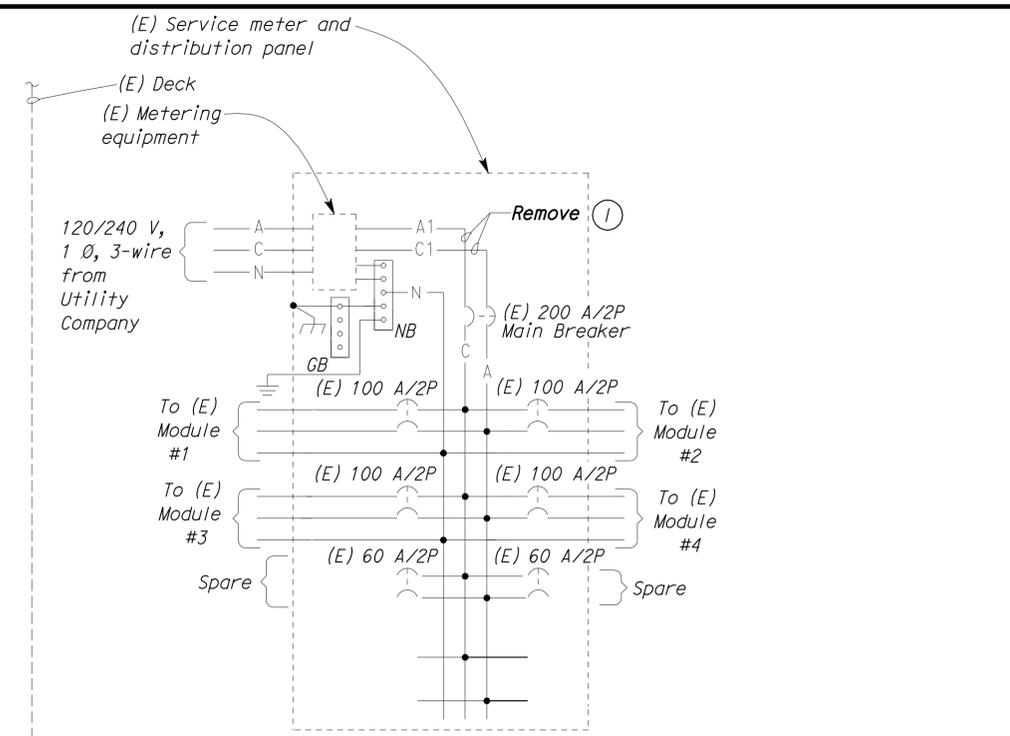
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**CALIFORNIA STATE FIRE MARSHAL**  
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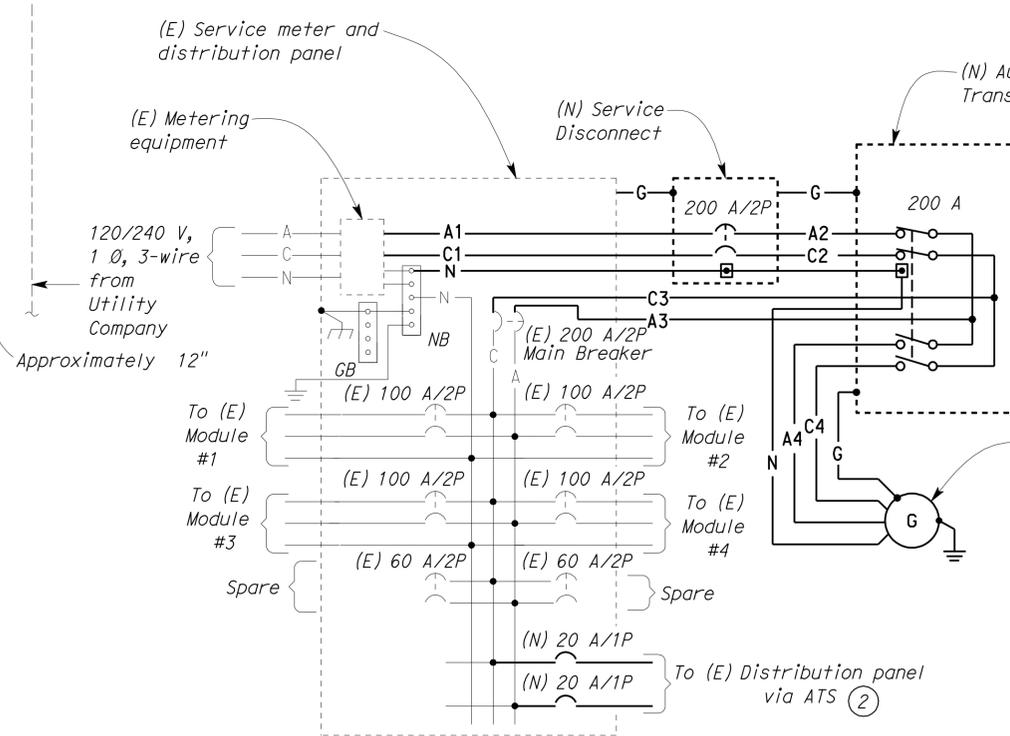
Reviewed by: *Aaron Greer*  
 Aaron Greer Fire and Life Safety South  
 Approval date: 11-04-10  
 CSFM File No. 01-56-11-0004  
 Extended until 11-04-2012 by CSFM



**1 STANDBY GENERATOR ENCLOSURE PLAN**  
 SCALE: 3/4" = 1'-0"



**EXISTING**



**MODIFIED**  
**NORTHBOUND FACILITY**  
**POWER DISTRIBUTION DIAGRAM**  
 NO SCALE

- Notes:
- Remove connection of existing 200-ampere, 2-pole line side to buses. Connect new 2#4/0 from automatic transfer switch to line side of existing circuit breaker. Connect neutral wire as required.
  - Install two 20-ampere, 1-pole breaker at spare spaces, for generator battery charging and water jacket heater.
  - Coordinate with generator manufacturer for appropriate locations of conduit stub ups.

**ACCESSIBILITY DESIGN APPROVAL STAMP**  
 DOT / DES / OTA  
 PROJECT ID  
**07 - 00005 42**  
 Reviewed by: *[Signature]*  
 Date: 12-13-10

General Note:  
 Coordinate with utility company for work done on existing Service Meter and distribution panel

DESIGN	BY CJW/Prakash Sah	CHECKED Tech Ngov
DETAILS	BY Andreasen/Monson	CHECKED CJW/Prakash Sah
QUANTITIES	BY CJW/Prakash Sah	CHECKED Tech Ngov

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES  
 ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

BRIDGE NO.  
 52W0001R  
 POST MILE  
 9.2

**CONEJO TRUCK INSPECTION FACILITY IMPROVEMENTS**  
 STANDBY GENERATOR DETAILS

SHEET  
**EE-4**

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	9.0,9.2	43	45

<i>Tech Ngov</i>	7-14-11
REGISTERED ELECTRICAL ENGINEER	DATE

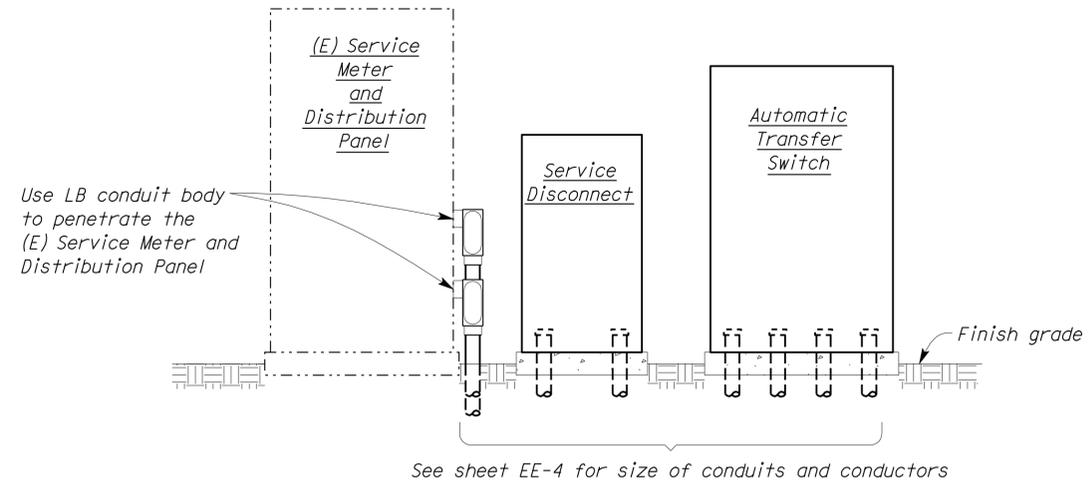
5-7-12
PLANS APPROVAL DATE

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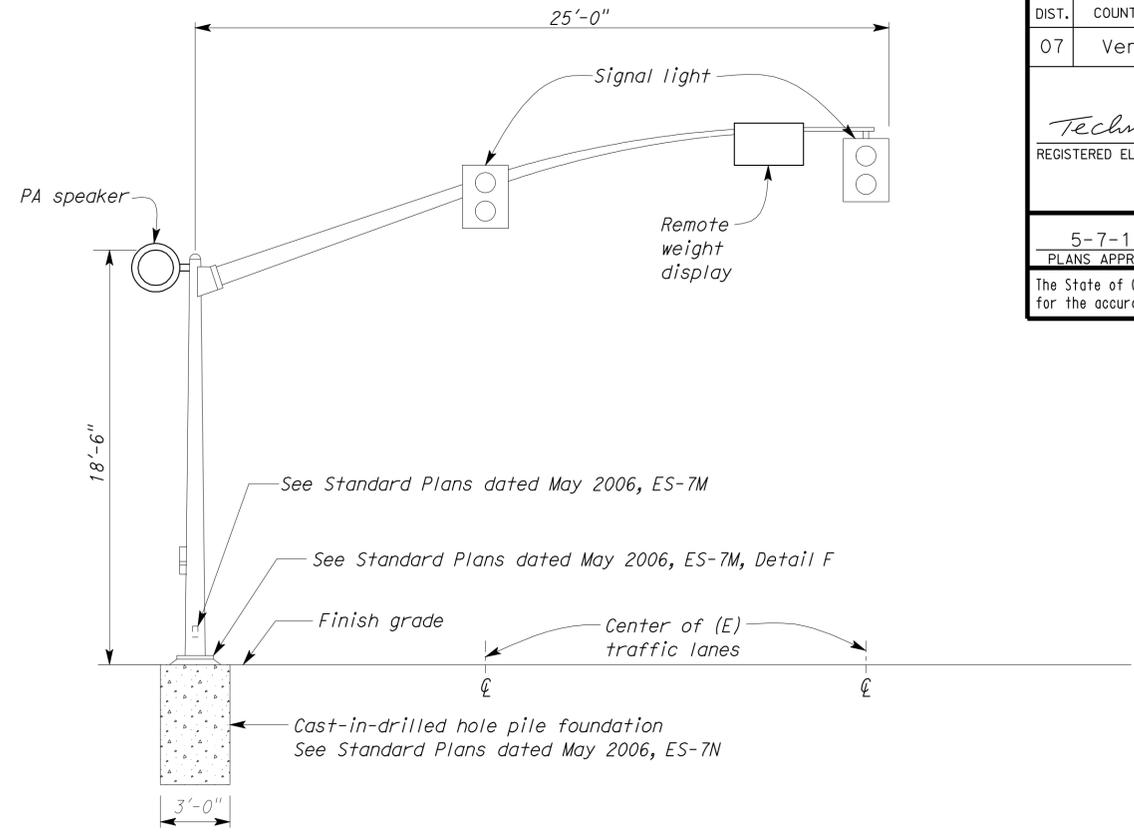


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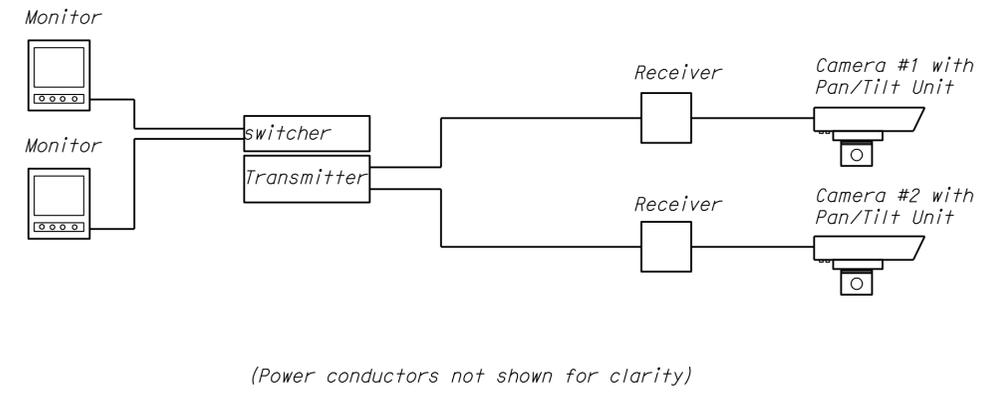
Reviewed by: *Aaron Greer* Fire and Life Safety South  
Approval date: 11-04-10  
CSFM File No. 01-56-11-0004  
Extended until 11-04-2012 by CSFM



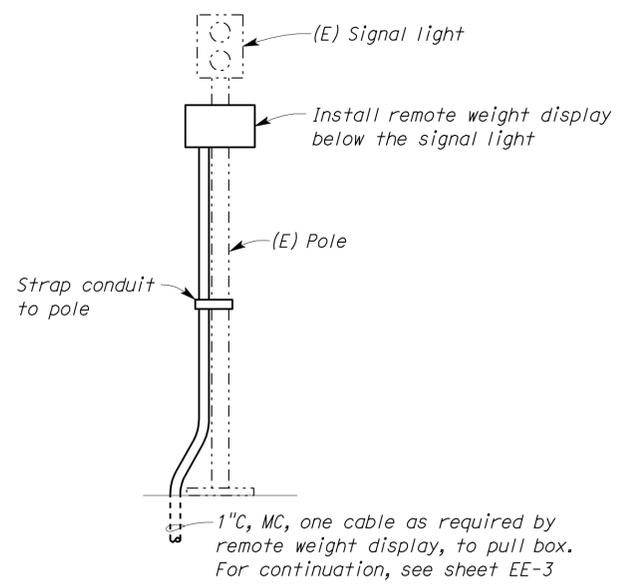
**A ELEVATION**  
NO SCALE



**B SIGNAL ARM TYPE 16-3-100 LAYOUT**  
NO SCALE  
See Standard Plans dated May 2006, RSP ES-7E



**CCTV SYSTEM INTERCONNECTION DIAGRAM**  
(For Conejo Southbound Truck Inspection Facility))



**C REMOTE WEIGHT DISPLAY**  
NO SCALE

DESIGN	BY CJW/Prakash Sah	CHECKED Tech Ngov
DETAILS	BY Andreassen/Monson	CHECKED CJW/Prakash Sah
QUANTITIES	BY CJW/Prakash Sah	CHECKED Tech Ngov

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

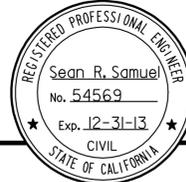
DIVISION OF ENGINEERING SERVICES  
ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

BRIDGE NO. 52W0001R/L  
POST MILE 9.0,9.2

**CONEJO TRUCK INSPECTION FACILITY IMPROVEMENTS**

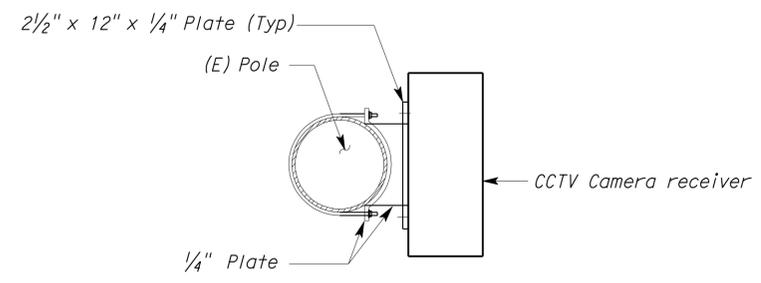
DETAILS

SHEET EE-5

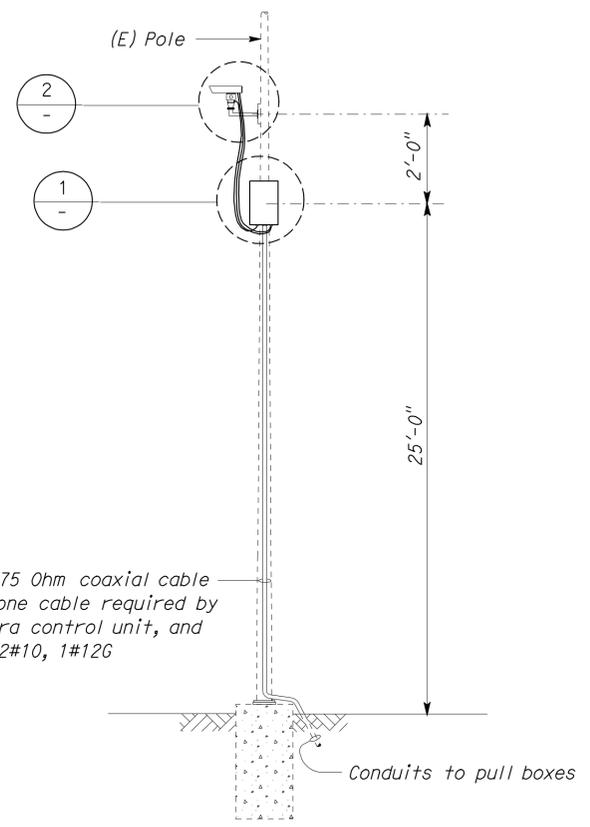
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07	Ven	101	9.0,9.2	44	45
 REGISTERED CIVIL ENGINEER			7-14-11 DATE		
5-7-12 PLANS APPROVAL DATE					
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**CALIFORNIA STATE FIRE MARSHAL**  
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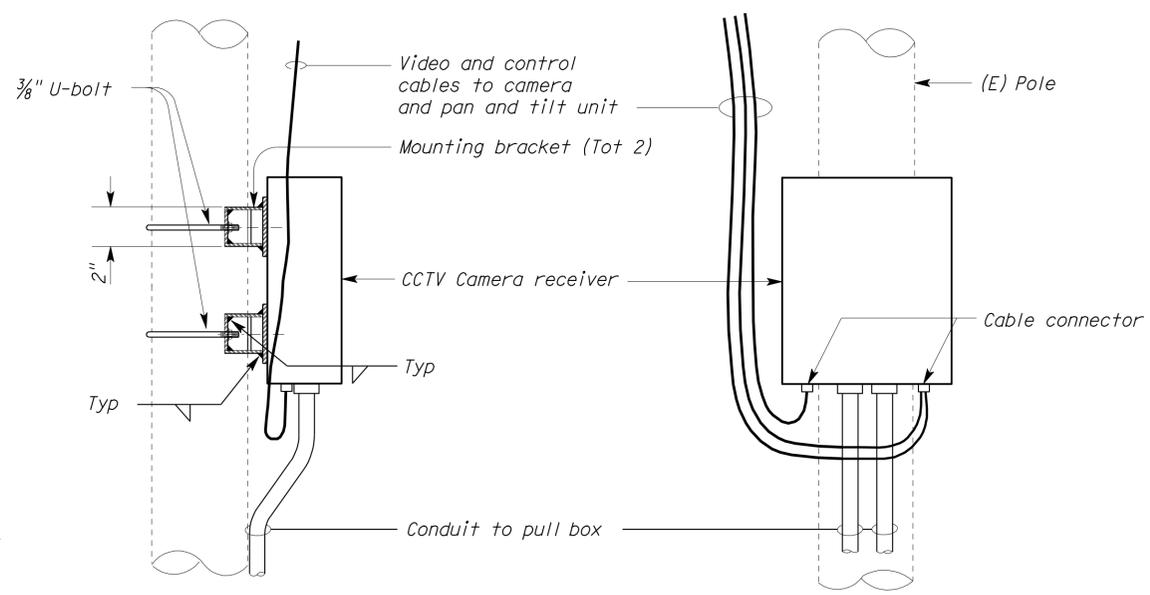
Reviewed by:   
 AARON GREER Fire and Life Safety South  
 Approval date: 11-04-10  
 CSFM File No. 01-56-11-0004  
 Extended until 11-04-2012 by CSFM



**TOP VIEW**



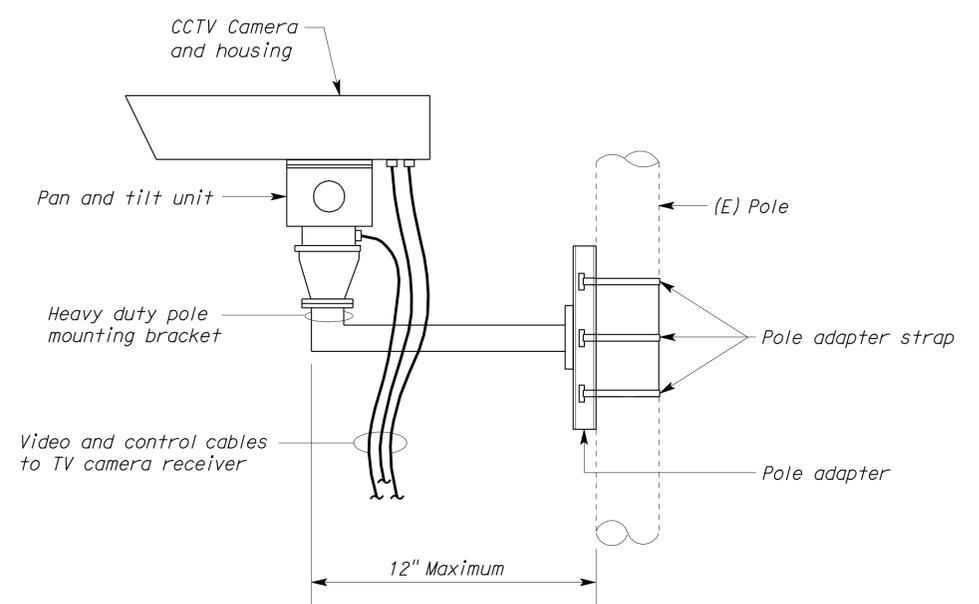
**CCTV CAMERA DETAIL**  
 NO SCALE



**SIDE VIEW**

**FRONT VIEW**

**1** **CCTV CAMERA RECEIVER MOUNTING DETAILS**  
 NO SCALE



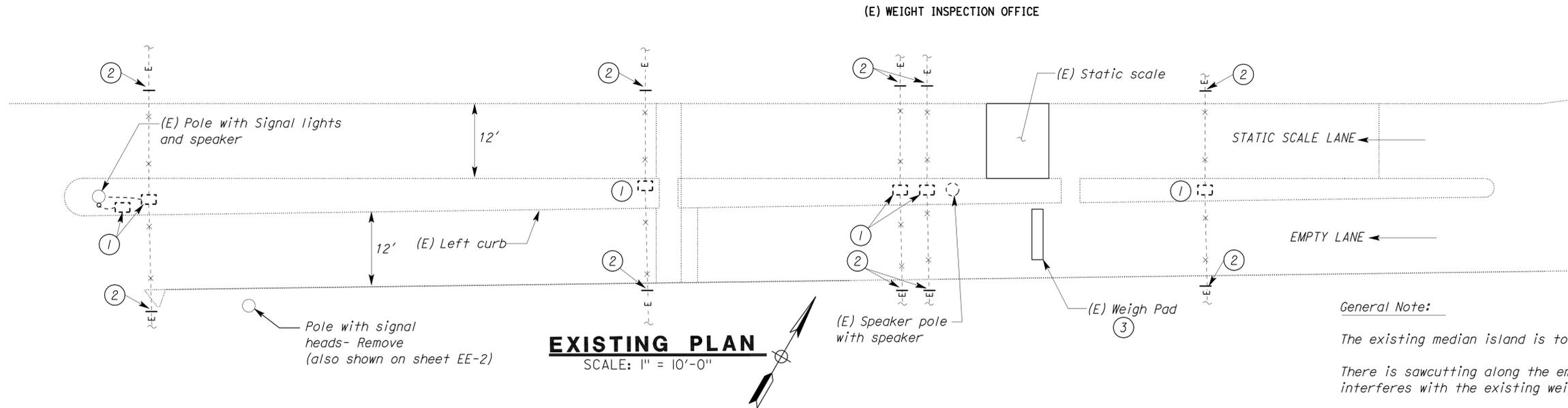
**2** **CCTV CAMERA MOUNTING DETAILS**  
 NO SCALE

DESIGN	BY	CJW/Prakash Sah	CHECKED	Tech Ngov	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	52W0001L	CONEJO TRUCK INSPECTION FACILITY IMPROVEMENTS	SHEET EE-6
	DETAILS	BY	Kathl Andreasen	CHECKED			CJW/Prakash Sah	POST MILE		
QUANTITIES	BY	CJW/Prakash Sah	CHECKED	Tech Ngov	UNIT PROJECT NUMBER & PHASE	3597 07000005421	DISREGARD PRINTS BEARING EARLIER REVISION DATES			REVISION DATES (PRELIMINARY STAGE ONLY)
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					0 1 2 3	7/28/10 9/7/10 9/23/10 1/3/11 3/24/11			SHEET OF	

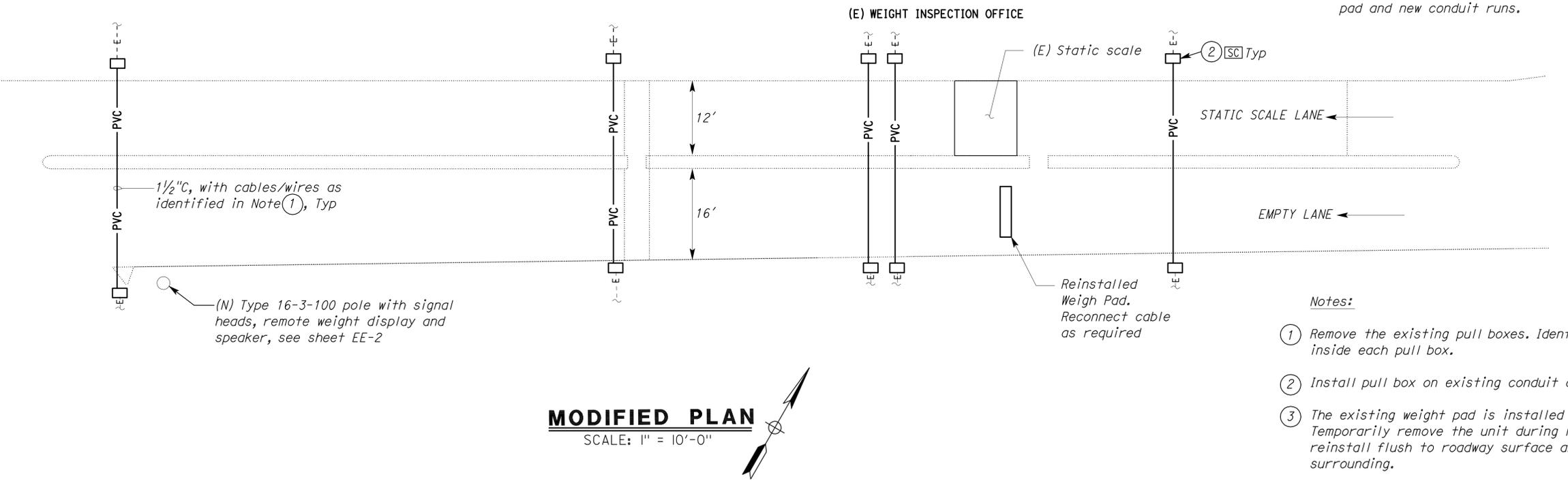
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	9.0,9.2	45	45

*Tech Ngov*  
 REGISTERED ELECTRICAL ENGINEER  
 DATE 7-14-11  
 PLANS APPROVAL DATE 5-7-12  
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REGISTERED PROFESSIONAL ENGINEER  
 TECH NGOV  
 No. E 14521  
 Exp. 6-30-12  
 ELEC  
 STATE OF CALIFORNIA



**General Note:**  
 The existing median island is to be removed and replaced with a 2'-wide, raised median.  
 There is sawcutting along the empty lane for new concrete pavement which interferes with the existing weigh pad and existing underground conduits.  
 Coordinate with roadway work contractor for reinstallation of existing weight pad and new conduit runs.



- Notes:**
- ① Remove the existing pull boxes. Identify cables/wires inside each pull box.
  - ② Install pull box on existing conduit at location shown.
  - ③ The existing weight pad is installed flush to the concrete roadway. Temporarily remove the unit during removal of the existing island, then reinstall flush to roadway surface and patch concrete to match the surrounding.

**CALIFORNIA STATE FIRE MARSHAL APPROVED FIRE AND PANIC ONLY**  
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.  
 Reviewed by: *Stephen Guarino*  
 STEPHEN GUARINO Fire and Life Safety South  
 Approval date: 4-15-2011  
 CSFM File No. 01-56-11-0004  
 Extended until 11-04-2012 by CSFM

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY.

DESIGN	BY <i>Tech Ngov</i>	CHECKED <i>Mark Cheap</i>
DETAILS	BY <i>Andreasen/Ngov</i>	CHECKED <i>CJW/Prakash Sah</i>
QUANTITIES	BY <i>CJW/Prakash Sah</i>	CHECKED <i>Tech Ngov</i>

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES  
 ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

BRIDGE NO. 52W0001R  
 POST MILE 9.2

**CONEJO TRUCK INSPECTION FACILITY IMPROVEMENTS**  
 CONCRETE MEDIAN ISLAND-ENLARGED PLAN

SHEET **EE-7** OF

TAEMWW Imper-Id Rev. 7/10

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT PROJECT NUMBER & PHASE 3597 07000005421

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)				
7/28/10	9/8/10	9/23/10	1/3/11	3/24/11

SHEET OF

08-MAY-2012 10:18 ee\_07.dgn