

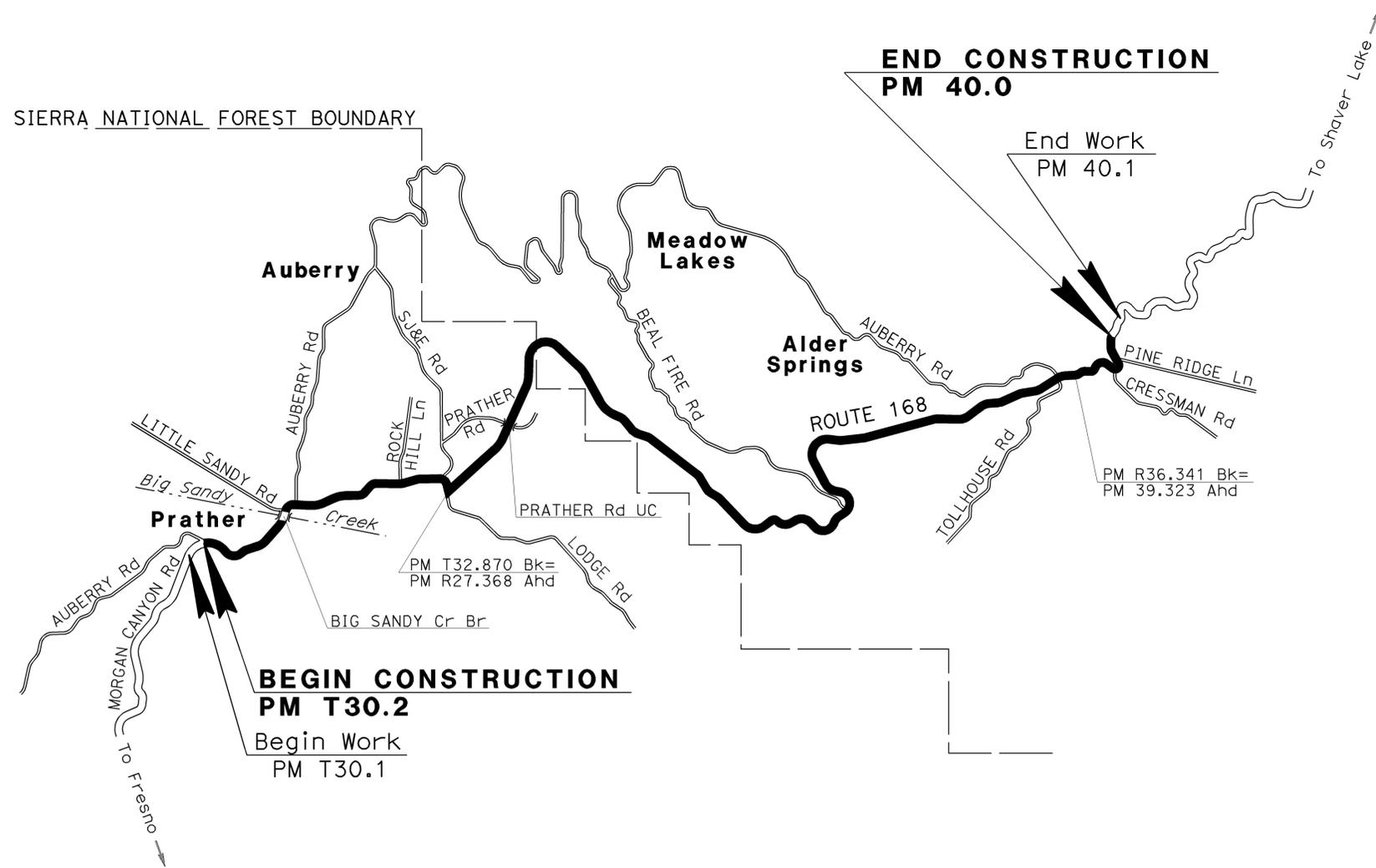
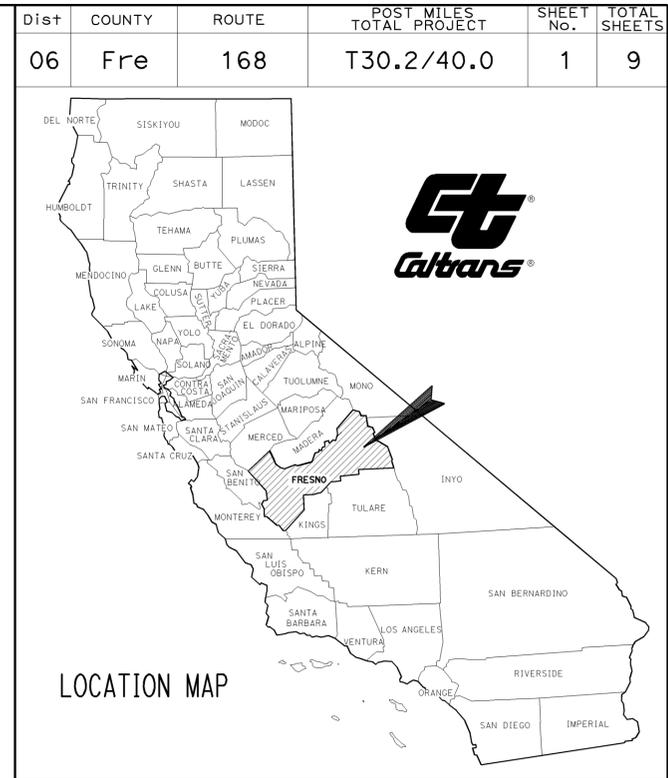
INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2-3	TYPICAL CROSS SECTIONS
4	CONSTRUCTION DETAILS
5	CONSTRUCTION AREA SIGNS
6	SUMMARY OF QUANTITIES
7-9	REVISED STANDARD PLANS

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

STATE OF CALIFORNIA ACSTP-P168(054)E
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN FRESNO COUNTY AT AND NEAR PRATHER
FROM AUBERRY ROAD AND
MORGAN CANYON ROAD INTERSECTION
TO 0.2 MILE EAST OF CRESSMAN ROAD

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



NO SCALE

PROJECT MANAGER VICTOR SHAW	DESIGN ENGINEER RENE SANCHEZ
---------------------------------------	--

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

Maryam Rastegar 1-11-10
 PROJECT ENGINEER DATE
 REGISTERED CIVIL ENGINEER



January 11, 2010
 PLANS APPROVAL DATE

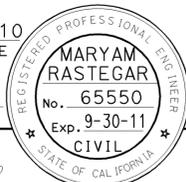
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CONTRACT No. **06-OL7904**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	168	T30.2/40.0	2	9

REGISTERED CIVIL ENGINEER	DATE
<i>Maryam Rastegar</i>	1-11-10
PLANS APPROVAL DATE	
	1-11-10

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. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER.
3. FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
4. SHOULDER WIDTH INCLUDES WIDTH OF TURNOUTS.
5. SEE SHEET C-1 FOR DIKE DETAILS.

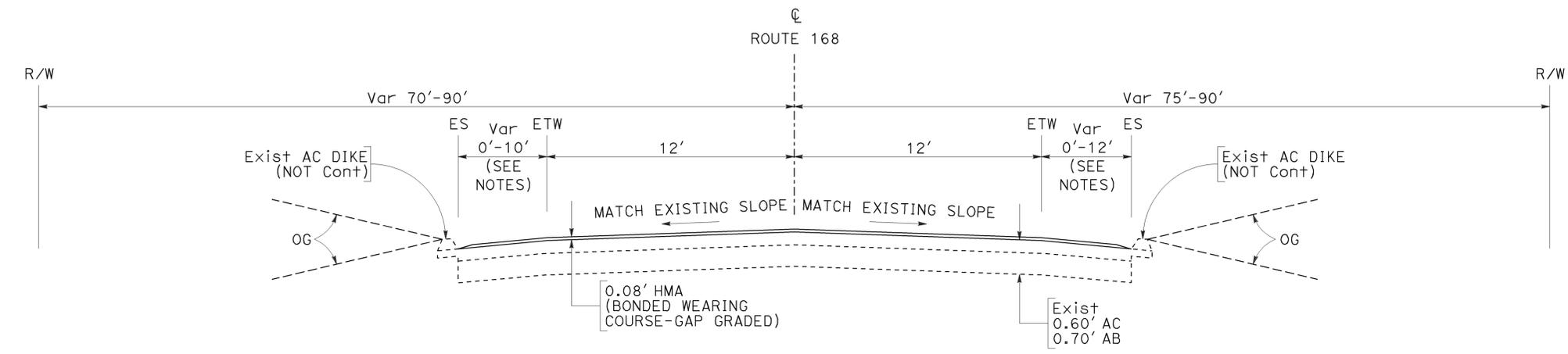
REVISOR
BY
DATE

LENA KOVALENKO
MARYAM RASTEGAR

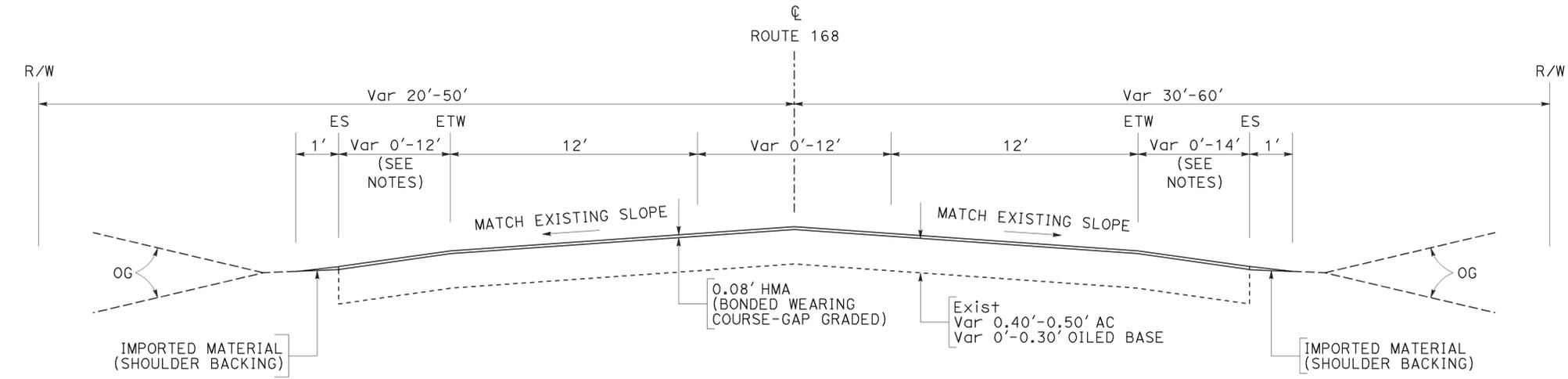
CALCULATED-DESIGNED BY
CHECKED BY

FUNCTIONAL SUPERVISOR
RENE SANCHEZ

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
PAVEMENT PRESERVATION



ROUTE 168
PM R27.4 TO PM R28.1



ROUTE 168
PM T30.2 TO PM T32.9

TYPICAL CROSS SECTIONS
NO SCALE **X-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 PAVEMENT PRESERVATION

REVISOR BY DATE

LENA KOVALENKO
 MARYAM RASTEGAR

CALCULATED-DESIGNED BY
 CHECKED BY

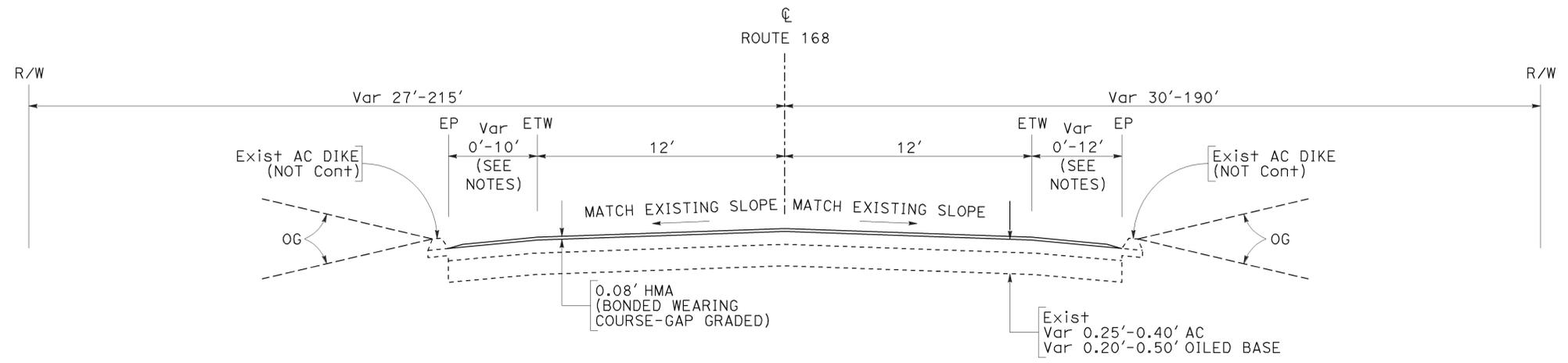
FUNCTIONAL SUPERVISOR
 RENE SANCHEZ

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	168	T30.2/40.0	3	9

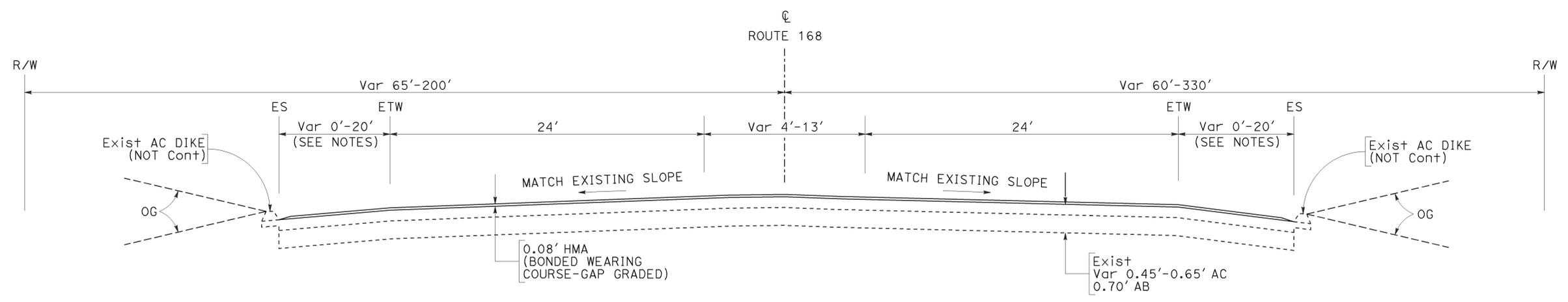
1-11-10
 REGISTERED CIVIL ENGINEER DATE
 1-11-10
 PLANS APPROVAL DATE

MARYAM RASTEGAR
 No. 65550
 Exp. 9-30-11
 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.



ROUTE 168
 PM 39.3 TO PM 40.0



ROUTE 168
 PM R28.1 TO PM R36.3

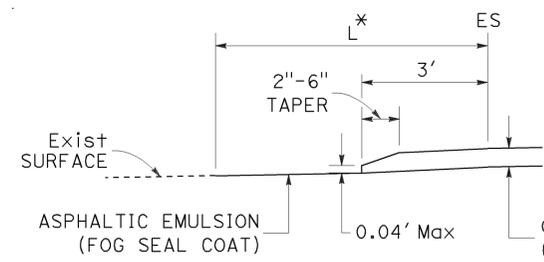
TYPICAL CROSS SECTIONS
 NO SCALE
X-2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	168	T30.2/40.0	4	9

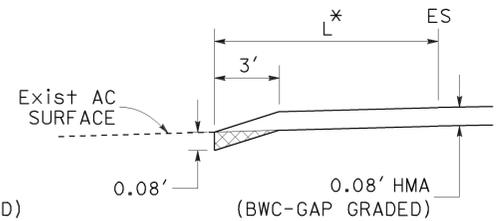
REGISTERED CIVIL ENGINEER	DATE	1-11-10
PLANS APPROVAL DATE		1-11-10

PROFESSIONAL ENGINEER	MARYAM RASTEGAR
No.	65550
Exp.	9-30-11
CIVIL	

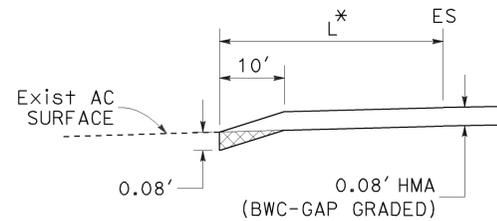
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



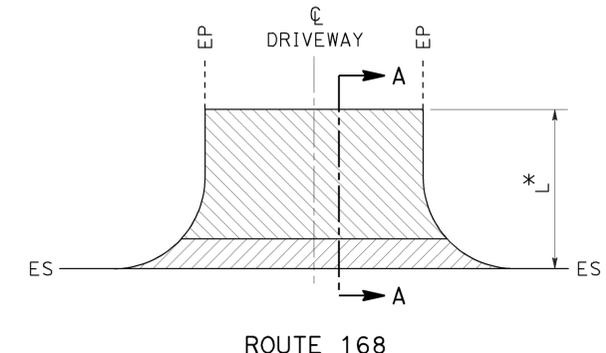
SECTION A-A
* FOR L VALUES SEE Q-1 SHEET



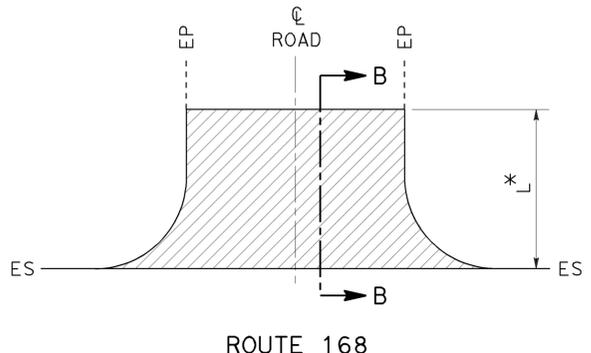
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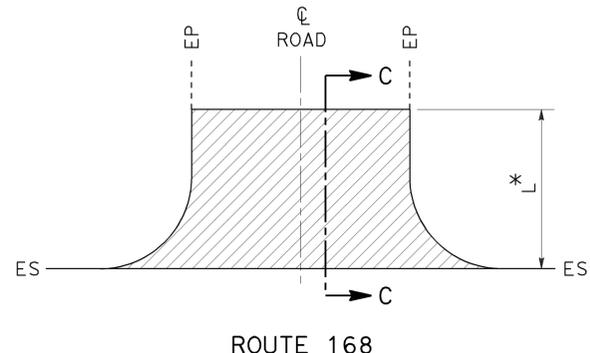
SECTION C-C
* FOR L VALUES SEE Q-1 SHEET



ROUTE 168



ROUTE 168



ROUTE 168

LEGEND

- 0.08' HMA (BWC-GAP GRADED)
- ASPHALTIC EMULSION (FOG SEAL COAT)
- COLD PLANE AC PAVEMENT
- EXCAVATION
- DIRECTION OF TRAFFIC

ABBREVIATION

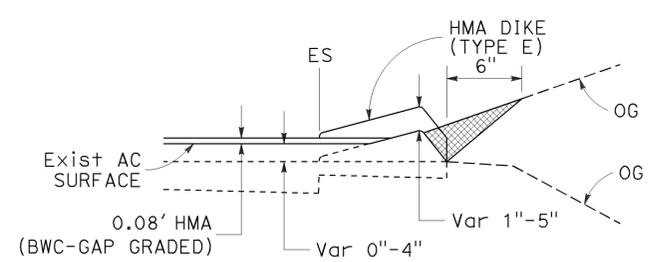
BWC = BONDED WEARING COURSE

TYPICAL DRIVEWAY DETAIL

- PM T30.2, Lt, DRIVEWAY
- PM T30.3, Lt, DRIVEWAY
- PM T30.5, Rt, DRIVEWAY
- PM T30.5, Rt, DRIVEWAY
- PM T30.5, Lt, DRIVEWAY
- PM T30.6, Rt, DRIVEWAY
- PM T30.7, Rt, DRIVEWAY
- PM T30.7, Lt, DRIVEWAY
- PM T30.8, Rt, DRIVEWAY
- PM T30.9, Rt, DRIVEWAY
- PM T30.9, Lt, DRIVEWAY
- PM T30.9, Lt, DRIVEWAY
- PM T31.2, Lt, LITTLE SANDY ROAD
- PM T31.2, Rt, DRIVEWAY
- PM T31.2, Lt, DRIVEWAY
- PM T32.1, Lt, DRIVEWAY
- PM T32.2, Lt, DRIVEWAY
- PM T32.3, Lt, DRIVEWAY
- PM T32.3, Lt, DRIVEWAY
- PM T32.4, Lt, DRIVEWAY
- PM T32.5, Lt, ROCKHILL ROAD
- PM T32.8, Rt, DRIVEWAY
- PM R33.0, Lt, DRIVEWAY
- PM R33.6, Rt, DRIVEWAY
- PM R33.6, Lt, DRIVEWAY
- PM R34.7, Rt, DRIVEWAY
- PM R36.1, Rt, VISTA POINT
- PM R36.2, Rt, VISTA POINT
- PM 39.6, Lt, STOREFRONT
- PM 39.7, Lt, STOREFRONT
- PM 39.7, Rt, DRIVEWAY
- PM 39.9, Rt, PINE RIDGE LANE
- PM 40.0, Lt, DRIVEWAY

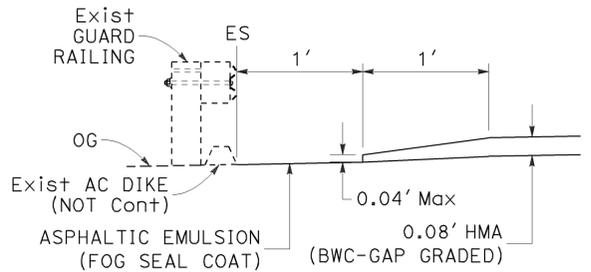
TYPICAL ROAD APPROACH DETAIL

- PM T30.3, Rt, DRIVEWAY
- PM T32.3, Rt, SUBDIVISION ENTRANCE
- PM 39.8, Rt, CRESSMAN ROAD



TYPICAL PLACE HMA DIKE DETAIL

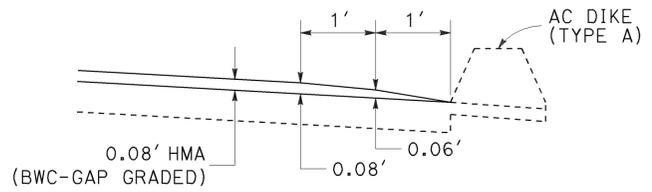
PM T30.3 TO PM T30.5



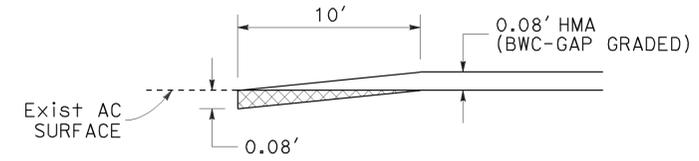
TYPICAL EDGE OF PAVEMENT AT EXISTING GUARD RAILING DETAIL

TYPICAL ROAD APPROACH DETAIL

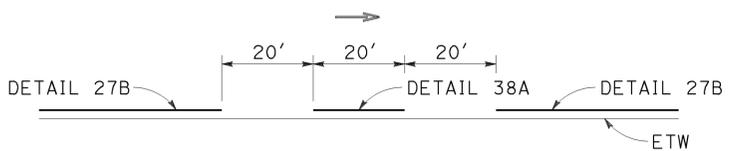
- PM T31.3, Lt, AUBERRY ROAD
- PM T32.8, Lt, SJ&E ROAD
- PM R27.4, Rt, LOCKE ROAD
- PM R36.3, Lt, AUBERRY ROAD
- PM R36.3, Rt, TOLLHOUSE ROAD



TYPICAL EDGE OF PAVEMENT AT EXISTING DIKE DETAIL

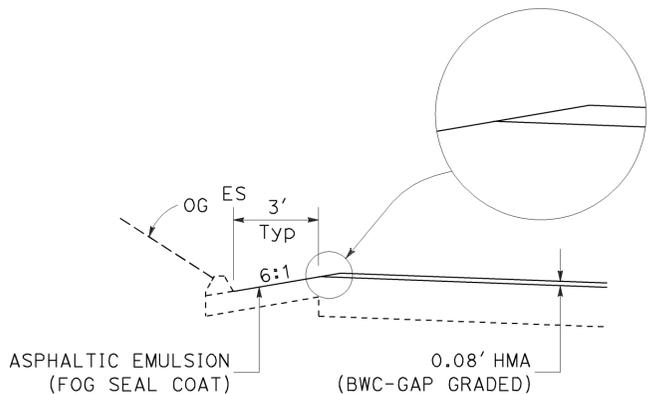


TYPICAL LONGITUDINAL CONFORM



CHP MARKING DETAIL

PM R28.0 TO PM R36.0



TYPICAL SUPERELEVATED SHOULDER SECTIONS IN EXCAVATION DETAIL

- PM R29.2 TO PM R31.0, Lt
- PM R30.4 TO PM R30.5, Rt
- PM R31.3 TO PM R32.1, Lt
- PM R32.0 TO PM R32.1, Rt
- PM R32.3 TO PM R32.4, Rt
- PM R32.3 TO PM R33.5, Lt
- PM R32.6 TO PM R32.8, Rt
- PM R32.9 TO PM R33.0, Rt
- PM R33.1 TO PM R33.2, Rt
- PM R33.9 TO PM R35.8, Lt
- PM R35.3 TO PM R35.4, Rt

CONSTRUCTION DETAILS

NO SCALE C-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - PAVEMENT PRESERVATION

REVISOR BY DATE

LENA KOVALENKO MARYAM RASTEGAR

CALCULATED BY DESIGNED BY CHECKED BY

FUNCTIONAL SUPERVISOR RENE SANCHEZ

PAVEMENT PRESERVATION

Est Caltrans

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	168	T30.2/40.0	5	9

<i>Maryam Rastegar</i>	1-11-10
REGISTERED CIVIL ENGINEER	DATE
1-11-10	
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.

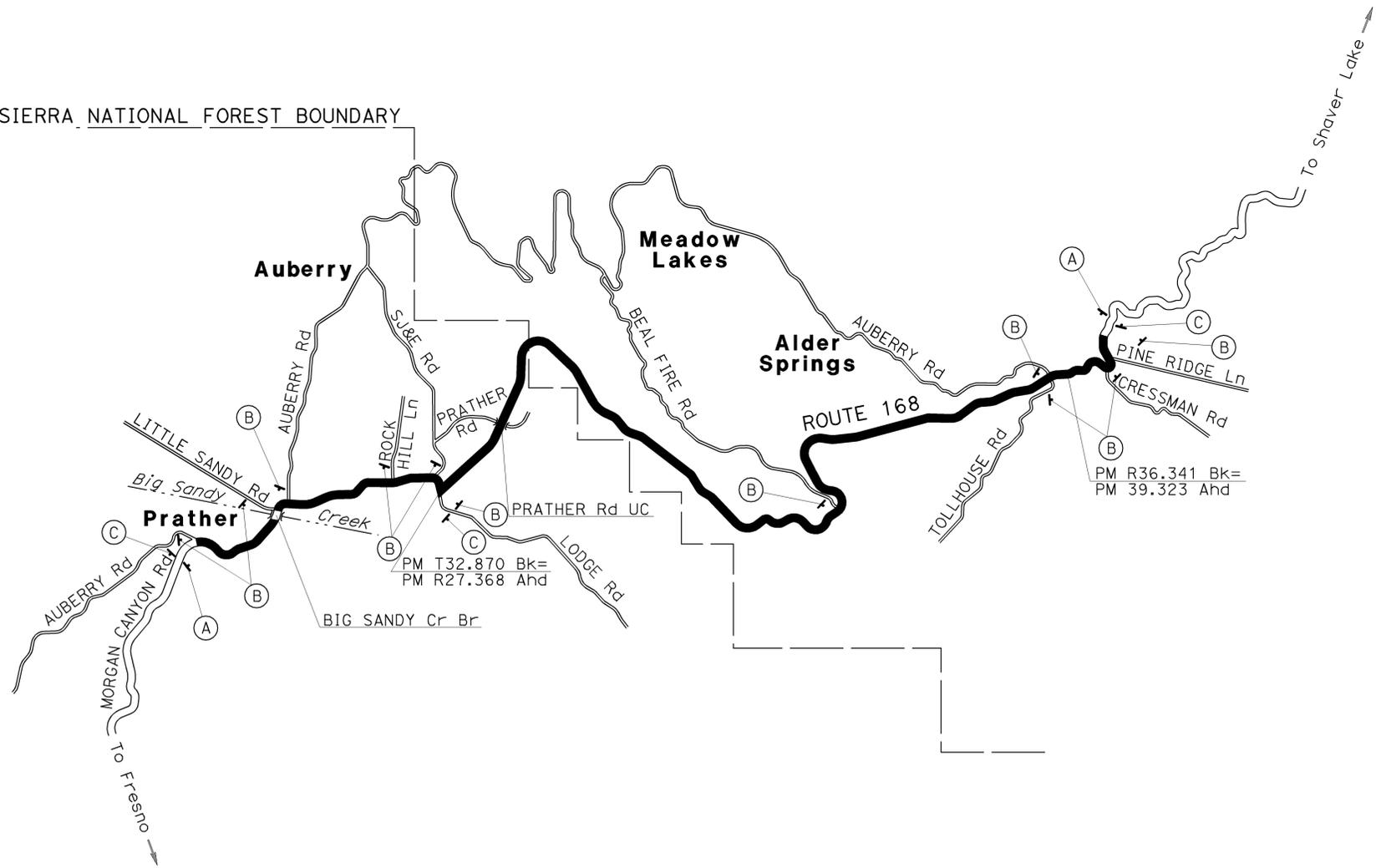


**STATIONARY MOUNTED
CONSTRUCTION AREA SIGNS**

SIGN	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF POST AND SIZE	No. OF SIGNS
(A)	W20-1	48" x 48"	ROAD WORK AHEAD	1-4" x 6"	2
(B)	W20-1	36" x 36"	ROAD WORK AHEAD	1-4" x 6"	11
(C)	G20-2	36" x 18"	END ROAD WORK	1-4" x 4"	3

NOTE: EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.

SIERRA NATIONAL FOREST BOUNDARY



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 PAVEMENT PRESERVATION
 FUNCTIONAL SUPERVISOR: RENE SANCHEZ
 CALCULATED/DESIGNED BY: LENA KOVALENKO
 CHECKED BY: MARYAM RASTEGAR
 REVISED BY: LENA KOVALENKO
 DATE REVISED: MARYAM RASTEGAR

**CONSTRUCTION AREA SIGNS
NO SCALE CS-1**

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 PAVEMENT PRESERVATION
 FUNCTIONAL SUPERVISOR RENE SANCHEZ
 CALCULATED-DESIGNED BY CHECKED BY
 LENA KOVALENKO MARYAM RASTEGAR
 REVISED BY DATE REVISED
 MARYAM RASTEGAR

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	168	T30.2/40.0	6	9

1-11-10
 REGISTERED CIVIL ENGINEER DATE
 1-11-10
 PLANS APPROVAL DATE

MARYAM RASTEGAR
 No. 65550
 Exp. 9-30-11
 CIVIL
 REGISTERED PROFESSIONAL ENGINEER
 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.

ROADWAY QUANTITIES

LOCATION	ASPHALTIC EMULSION (FOG SEAL COAT)	ASPHALTIC EMULSION MEMBRANE (BONDED WEARING COURSE)	HMA (BONDED WEARING COURSE-GAP GRADED)	IMPORTED MATERIAL (SHOULDER BACKING)
	TON	TON	TON	TON
PM T30.2 TO PM T32.9	0.01	51	2,912	214
PM R27.4 TO PM R36.3	4.81	301	17,334	38
PM 39.3 TO PM 40.0	0.04	13	761	22
INTERSECTIONS AND DRIVEWAYS	0.73	5	320	
TOTAL	5.59	370	21,327	274

INTERSECTIONS AND DRIVEWAYS

LOCATION	DESCRIPTION	L	ASPHALTIC EMULSION (FOG SEAL COAT)	ASPHALTIC EMULSION MEMBRANE (BONDED WEARING COURSE)	HMA (BONDED WEARING COURSE-GAP GRADED)
			TON	TON	TON
PM T30.2, Lt	DRIVEWAY	20'	0.030	0.02	1.3
PM T30.3, Lt	DRIVEWAY	10'	0.021	0.04	2.3
PM T30.3, Rt	DRIVEWAY	10'		0.08	4.9
PM T30.5, Rt	DRIVEWAY	10'	0.005	0.01	0.5
PM T30.5, Rt	DRIVEWAY	10'	0.007	0.01	0.7
PM T30.5, Lt	DRIVEWAY	10'	0.015	0.02	1.5
PM T30.6, Rt	DRIVEWAY	10'	0.003	0.01	0.4
PM T30.7, Rt	DRIVEWAY	10'	0.012	0.01	0.8
PM T30.7, Lt	DRIVEWAY	10'	0.007	0.01	0.7
PM T30.8, Rt	DRIVEWAY	10'	0.012	0.02	1.0
PM T30.9, Rt	DRIVEWAY	10'	0.015	0.02	1.4
PM T30.9, Lt	DRIVEWAY	8'	0.012	0.02	1.1
PM T30.9, Lt	DRIVEWAY	8'	0.012	0.02	1.1
PM T31.2, Lt	LITTLE SANDY ROAD	10'	0.005	0.01	0.7
PM T31.2, Rt	DRIVEWAY	10'	0.066	0.07	4.3
PM T31.2, Lt	DRIVEWAY	10'	0.050	0.06	4.0
PM T31.3, Lt	AUBERRY ROAD	100'		0.75	47.6
PM T32.1, Lt	DRIVEWAY	10'	0.020	0.02	1.5
PM T32.2, Lt	DRIVEWAY	10'	0.015	0.04	2.2
PM T32.3, Rt	SUBDIVISION ENTRANCE	10'		0.09	5.7
PM T32.3, Lt	DRIVEWAY	10'	0.012	0.02	1.2
PM T32.3, Lt	DRIVEWAY	10'	0.012	0.02	1.2
PM T32.4, Lt	DRIVEWAY	10'	0.039	0.04	2.8
PM T32.5, Lt	ROCKHILL ROAD	20'	0.086	0.09	5.8
PM T32.8, Rt	DRIVEWAY	10'	0.012	0.01	0.9
PM T32.8, Lt	SJ&E ROAD	40'		0.43	27.2
PM R27.4, Rt	LOCKE ROAD	85'		0.29	18.5
PM R31.0, Rt	WATER PULLOUT			1.32	83.8
PM R33.0, Lt	DRIVEWAY	20'	0.028	0.02	1.3
PM R33.6, Rt	DRIVEWAY	20'	0.014	0.14	9.1
PM R33.6, Lt	DRIVEWAY	20'	0.012	0.09	5.9
PM R34.7, Rt	DRIVEWAY	50'	0.169	0.05	3.2
PM R36.1, Rt	VISTA POINT	10'	0.020	0.03	1.7
PM R36.2, Rt	VISTA POINT	10'	0.016	0.02	1.4
PM R36.3, Lt	AUBERRY ROAD	50'		0.52	32.8
PM R36.3, Rt	TOLLHOUSE ROAD	50'		0.39	24.5
PM 39.6, Lt	STOREFRONT	3'		0.03	2.0
PM 39.7, Lt	STOREFRONT	3'		0.02	1.4
PM 39.7, Rt	DRIVEWAY	3'		0.01	0.7
PM 39.8, Rt	CRESSMAN ROAD	23'		0.14	8.9
PM 39.9, Rt	PINE RIDGE LANE	3'		0.02	1.1
PM 40.0, Lt	DRIVEWAY	3'		0.01	0.8
TOTAL			0.727	5.04	319.9
ROUNDED TOTAL			0.73*	5*	320*

* QUANTITY INCLUDED IN ROADWAY QUANTITIES TABLE

PAVEMENT DELINEATION QUANTITIES

LOCATION	DETAIL No.	PAVEMENT MARKER (RETROREFLECTIVE-RECESSED)			REMOVE PAVEMENT MARKER (N)	THERMOPLASTIC TRAFFIC STRIPE				REMOVE PAINTED TRAFFIC STRIPE	REMOVE THERMO-PLASTIC TRAFFIC STRIPE	THERMOPLASTIC PAVEMENT MARKING		
		TYPE D TWO-WAY YELLOW	TYPE G ONE-WAY CLEAR	TYPE H ONE-WAY YELLOW		4"	4" (BROKEN 36-12)	4" (BROKEN 12-3)	8"			DESCRIPTION	SQFT	SQFT
		EA	EA	EA		EA	LF	LF	LF			LF	LF	LF
PM T30.2 TO PM T32.9	19	31		62	93	1,478	1,478					9-TYPE III (L) ARROW	378	378
	22	870			870	20,866						3-TYPE III (R) ARROW	126	126
	27B					27,467						7-STOP	154	154
	27C							729				1-AHEAD	31	31
	29	161			161	7,728						8-LIMIT LINE	200	200
	38		50		50					1183	2366			
PM R27.4 TO PM R36.3	6	44					2,086					6-TYPE III (L) ARROW	252	252
	12		1762				84,559					6-TYPE VI ARROW	252	252
	19	27		54		1,294	1,294					3-STOP	66	66
	22	122				2,924						1-AHEAD	31	31
	27B					94,322						3-LIMIT LINE	94	94
	27C							201				21-12" WHITE LINE	294	294
	29	3534				42,403						9-CHP MARKING	120	
	38		58							1384	2768			
PM 39.3 TO PM 40.0	21					5,174						2-TYPE IV (L) ARROW		30
	27B					6,943						2-TYPE III (L) ARROW	84	
	27C					206						1-LIMIT LINE	20	20
	28					3,272						1-STOP	22	22
	38A									84	168			
SUBTOTAL		4789	1870	116	1174	214,077	89,417	930	2651	168	5134		2124	1950
TOTAL			6775		1174	214,077	89,417	930	2651	168	5134		2124	1950

(N) = NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

COLD PLANE AC PAVEMENT

LOCATION	DESCRIPTION	SOYD
PM T30.2	BEGIN CONSTRUCTION	41
PM T30.3, Rt	DRIVEWAY	13
PM T31.2	BIG SANDY CREEK BRIDGE	28
PM T31.2	BIG SANDY CREEK BRIDGE	29
PM T31.3, Lt	AUBERRY ROAD	38
PM T32.3, Rt	SUBDIVISION ENTRANCE	20
PM T32.8, Lt	SJ&E ROAD	44
PM R27.4, Rt	LOCKE ROAD	33
PM R36.3, Lt	AUBERRY ROAD	81
PM R36.3, Rt	TOLLHOUSE ROAD	64
PM 39.8, Rt	CRESSMAN ROAD	15
PM 40.0	END CONSTRUCTION	36
TOTAL		442

DIKE

LOCATION	EXCAVATE (N)	BACKFILL (N)	PLACE HMA DIKE (TYPE E)	MINOR HOT MIX ASPHALT
	LF	LF	LF	TON
PM T30.3 TO PM T30.4, Rt	861	861	861	13
PM T30.4 TO PM T30.5, Lt		716	716	9
TOTAL			1577	22

(N) = NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

SUMMARY OF QUANTITIES Q-1

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Fre	168	T30.2/40.0	7	9

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

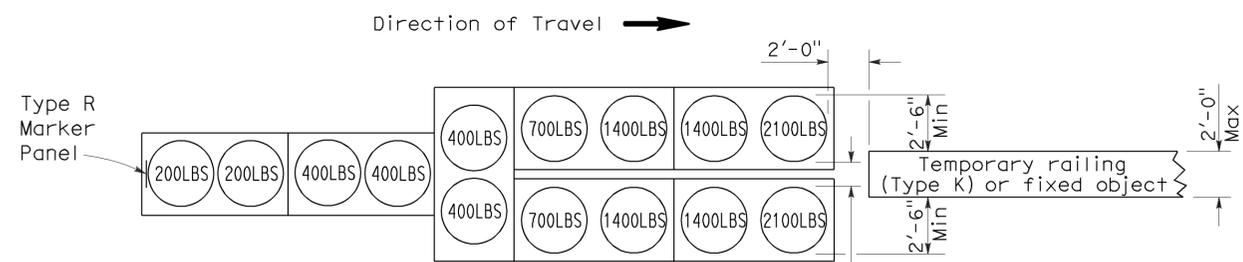
June 6, 2008
PLANS APPROVAL DATE

Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

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

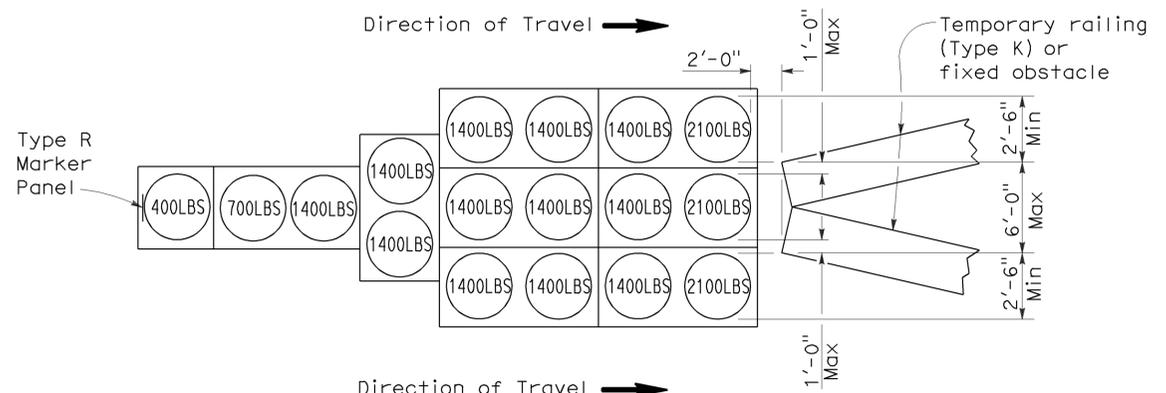
To accompany plans dated 1-11-10

2006 REVISED STANDARD PLAN RSP T1A



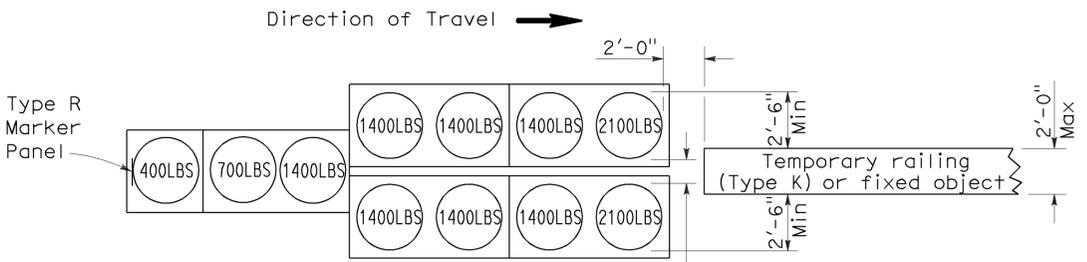
ARRAY 'TU14'

Approach speed 45 mph or more



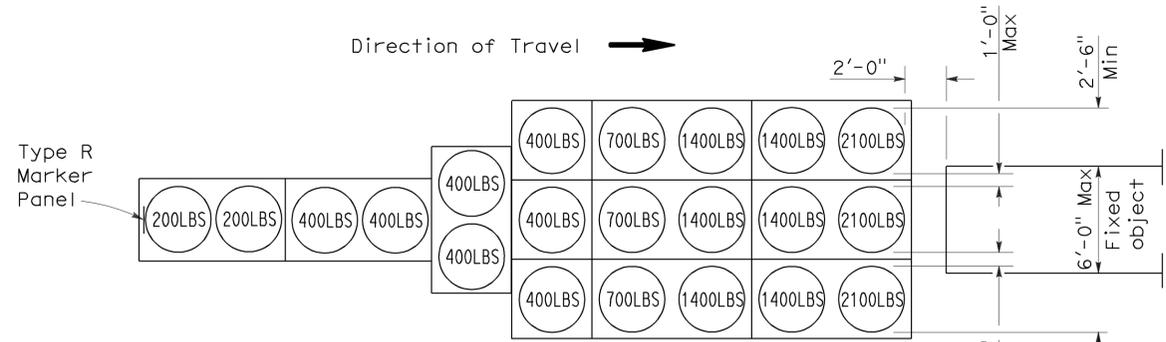
ARRAY 'TU17'

Approach speed less than 45 mph



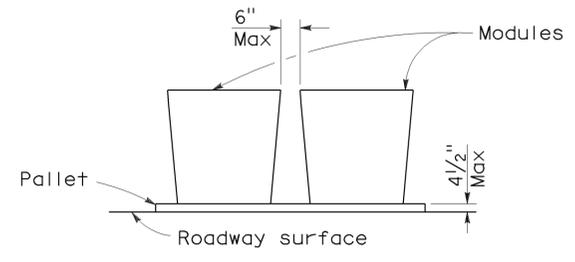
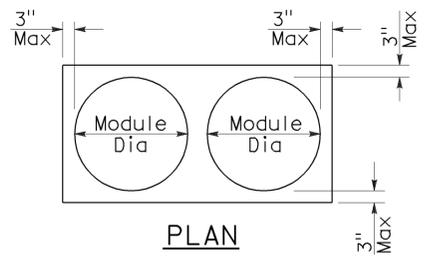
ARRAY 'TU11'

Approach speed less than 45 mph



ARRAY 'TU21'

Approach speed 45 mph or more



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
06	Fre	168	T30.2/40.0	8	9

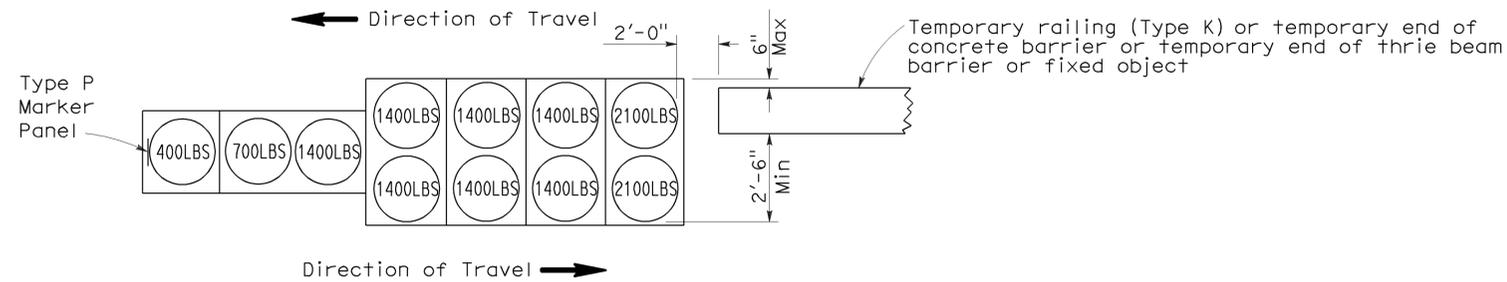
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

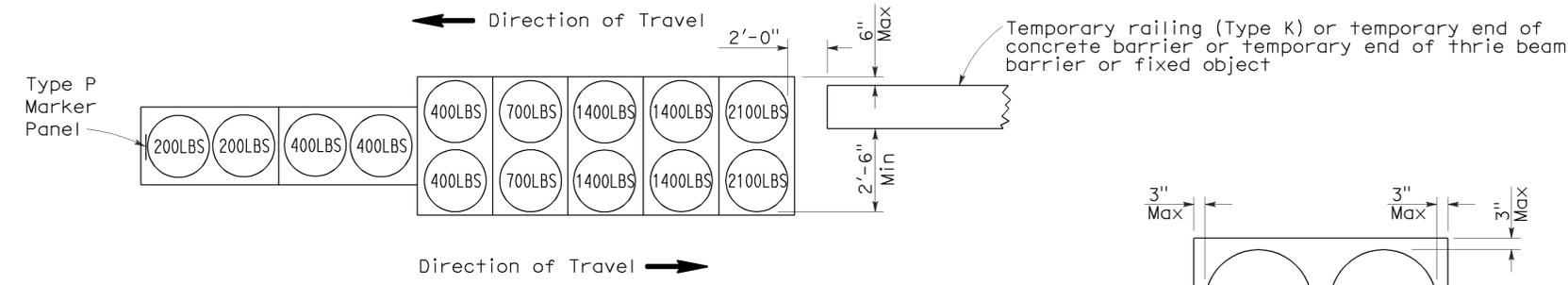
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 1-11-10



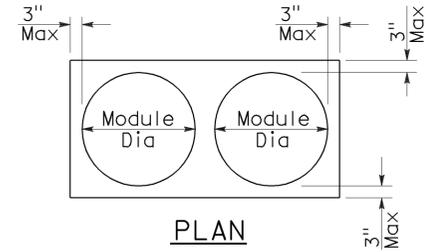
ARRAY 'TB11'

Approach speed less than 45 mph

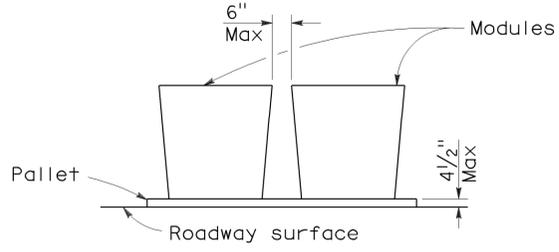


ARRAY 'TB14'

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 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
06	Fre	168	T30.2/40.0	9	9

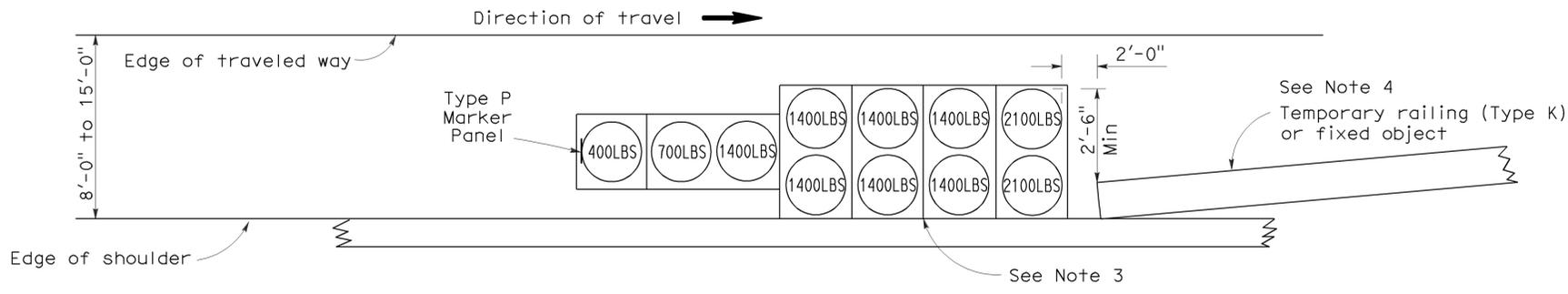
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

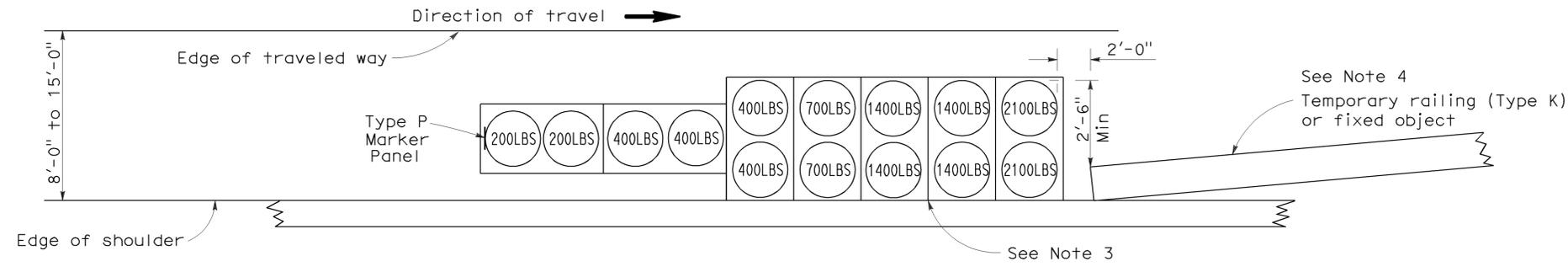
Randell D. Hiatt
REGISTERED PROFESSIONAL ENGINEER
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

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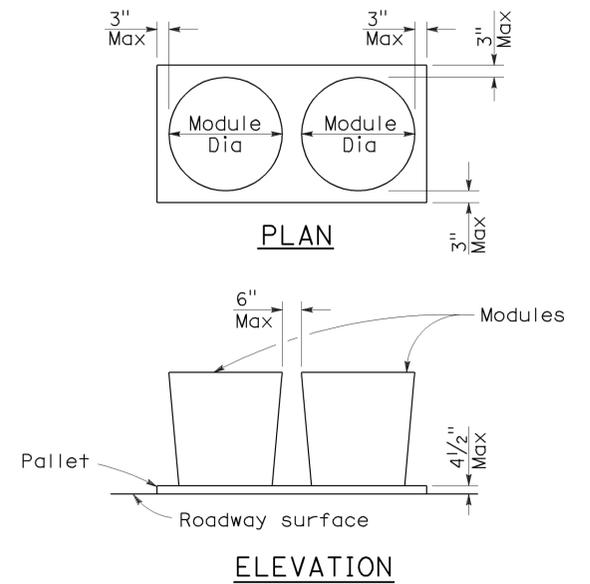
To accompany plans dated 1-11-10



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:

- (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.
- All sand weights are nominal.
- 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.
- 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.
- Temporary crash cushion arrays shall not encroach on the traveled way.
- Arrays for median shoulders shall conform to details shown on this plan for outside shoulders.
- Place the Type P marker panel so that the bottom of the panel rests upon the pallet and faces traffic.
- Refer to Standard Plan A73B for marker details.
- 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.
- Approach speeds indicated conform to NCHRP 350 Report criteria.
- 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