

INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	TYPICAL CROSS SECTIONS
3	CONSTRUCTION DETAILS
4	DRAINAGE PLAN
5-6	DRAINAGE PROFILES
7	CONSTRUCTION AREA SIGNS
8-9	DETOUR PLANS
10	DETOUR SIGN QUANTITIES
11	PAVEMENT DELINEATION QUANTITIES
12	SUMMARY OF QUANTITIES
13-19	REVISED AND NEW STANDARD PLANS

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 CONSTRUCTION ON
 STATE HIGHWAY**
IN RIVERSIDE COUNTY
**ABOUT 27 MILES NORTH OF DESERT CENTER
 AT 0.1 MILE EAST OF ROUTE 62/177 SEPARATION**

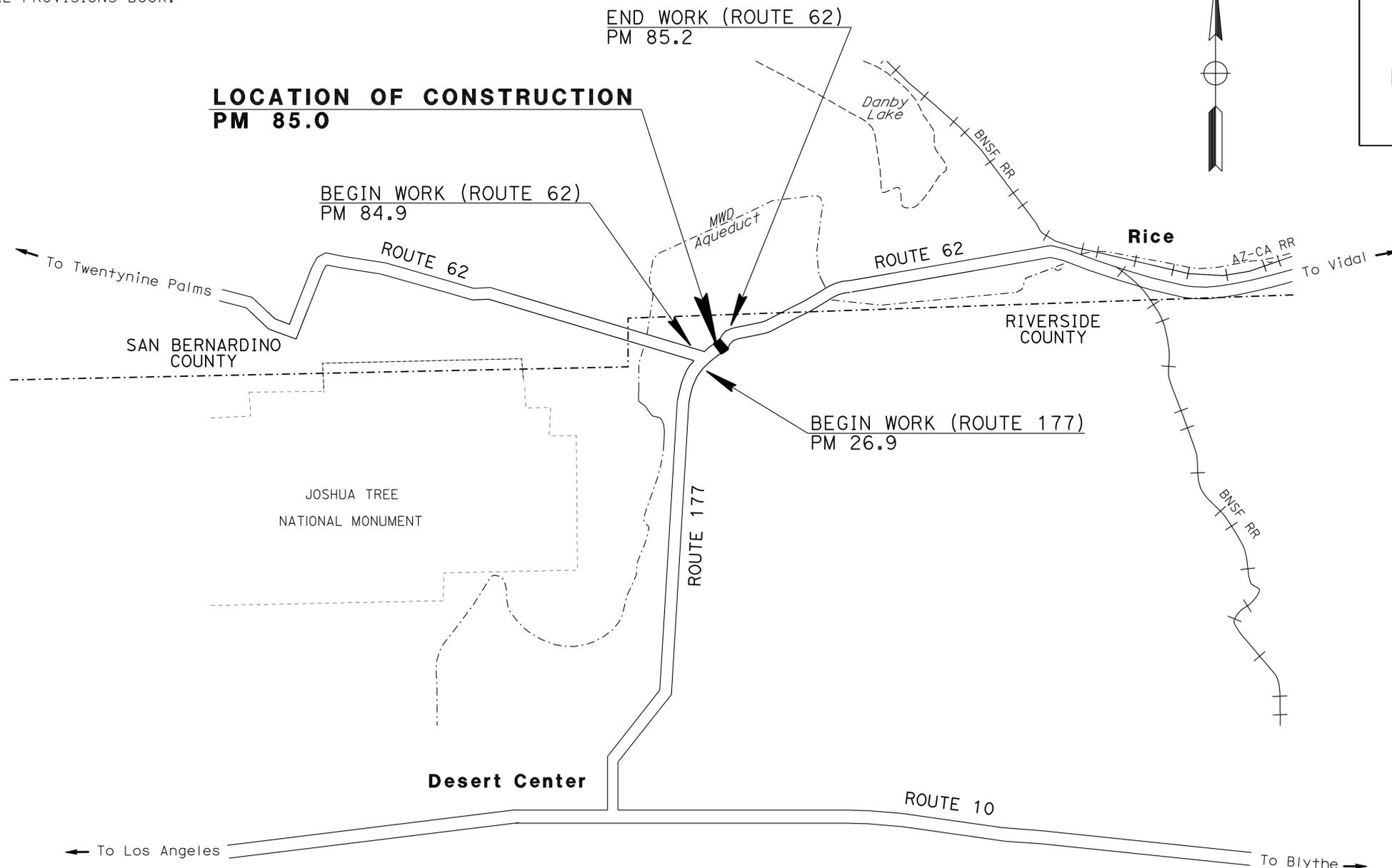
TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	62	85.0	1	19



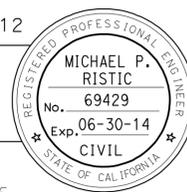


LOCATION MAP



PROJECT MANAGER
 CATALINO PINING
 DESIGN ENGINEER
 RHEA VILLARAMA


 9-24-12
 PROJECT ENGINEER REGISTERED CIVIL ENGINEER DATE
 OCTOBER 01, 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.

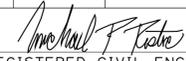


THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."

CONTRACT No.	08-0C2104
PROJECT ID	0800020296

UNIT 2343 PROJECT NUMBER & PHASE 0800020296

LAST REVISION: 09-20-12
 DATE PLOTTED => 01-OCT-2012
 TIME PLOTTED => 01:59

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	62	85.0	3	19
 REGISTERED CIVIL ENGINEER			DATE	9-24-12 10-01-12 PLANS APPROVAL DATE	
			<small>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.</small>		

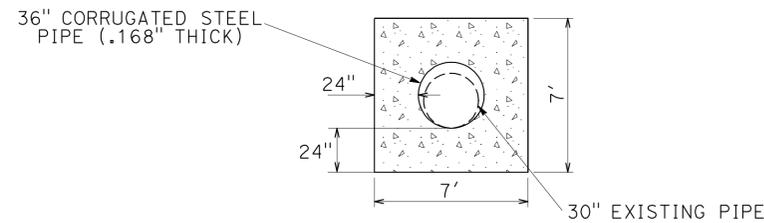
CULVERT MARKER NOTES:

1. THE MARKER WILL BE WHITE (NON-REFLECTIVE) TARGET PLATE WITH BLACK SERIES D NUMERALS AND LETTERS.
2. ALL INFORMATION WILL BE IN U.S. CUSTOMARY UNITS (MILES).

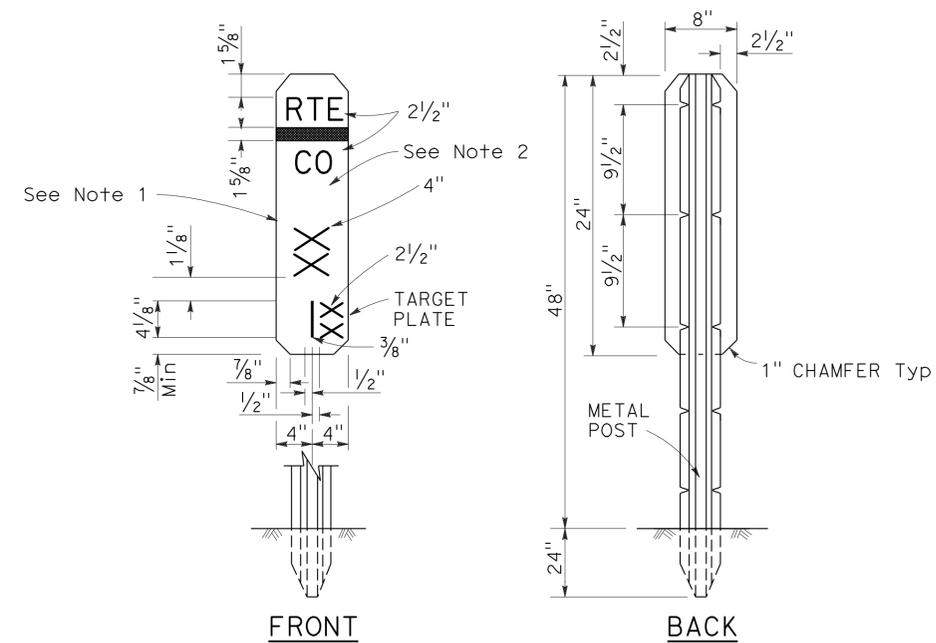
LEGEND:



MINOR CONCRETE (BACKFILL)



SECTION A-A



CULVERT MARKER

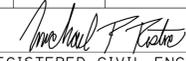
CONSTRUCTION DETAILS

NO SCALE

C-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	REVISOR
Caltrans MAINTENANCE DESIGN	MICHAEL P. RISTIC	CHECKED BY	RHEA VILLARAMA
			MICHAEL P. RISTIC



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	62	85.0	4	19
 REGISTERED CIVIL ENGINEER DATE 9-24-12					
PLANS APPROVAL DATE			10-01-12		
<small>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.</small>					

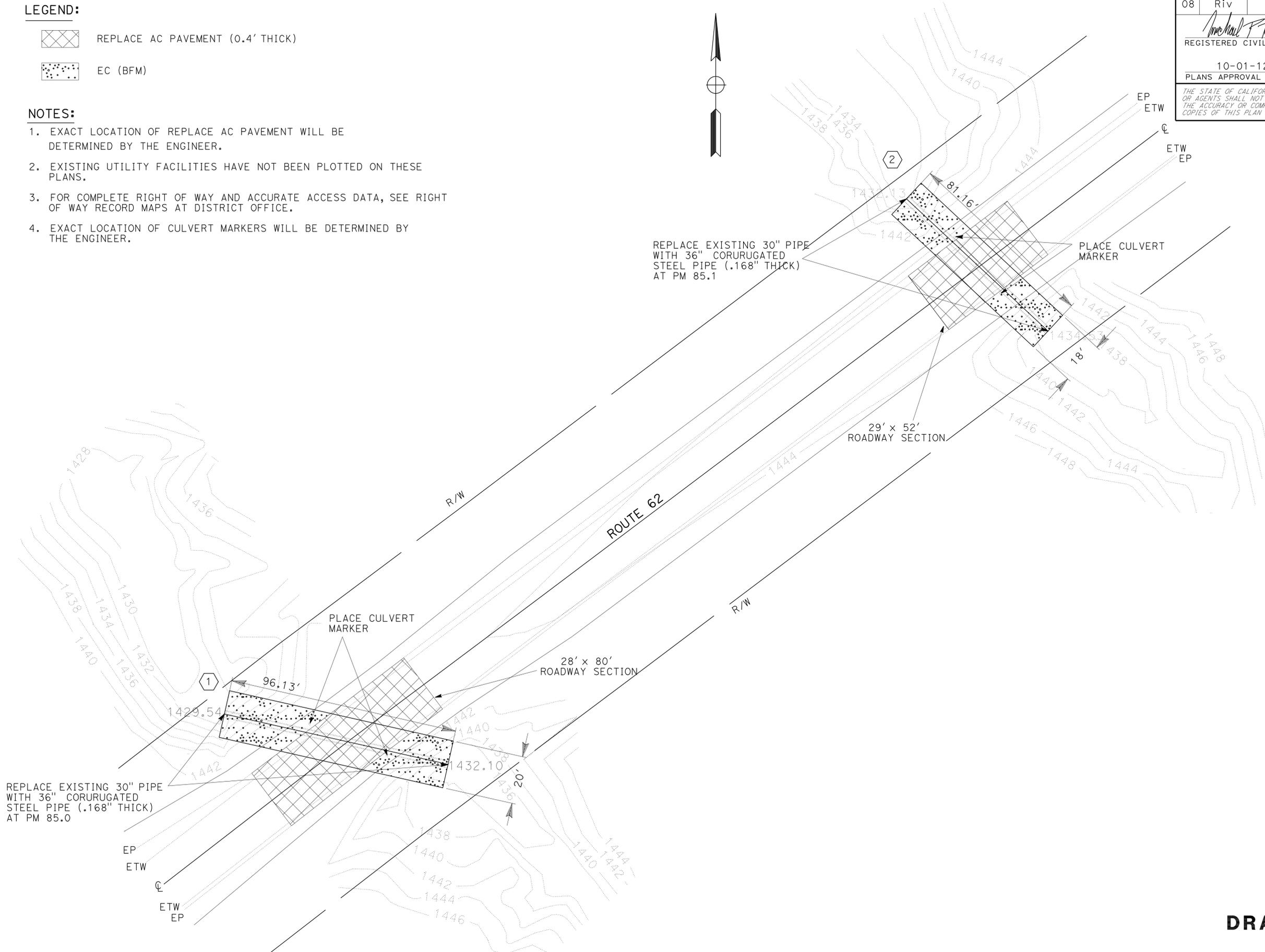
LEGEND:

-  REPLACE AC PAVEMENT (0.4' THICK)
-  EC (BFM)

NOTES:

1. EXACT LOCATION OF REPLACE AC PAVEMENT WILL BE DETERMINED BY THE ENGINEER.
2. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
3. FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.
4. EXACT LOCATION OF CULVERT MARKERS WILL BE DETERMINED BY THE ENGINEER.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN
 FUNCTIONAL SUPERVISOR: MICHAEL P. RISTIC
 CALCULATED/DESIGNED BY: MICHAEL P. RISTIC
 CHECKED BY:
 REVISED BY: RHEA VILLARAMA
 DATE REVISED: MICHAEL P. RISTIC



DRAINAGE PLAN

SCALE 1" = 20' **D-1**

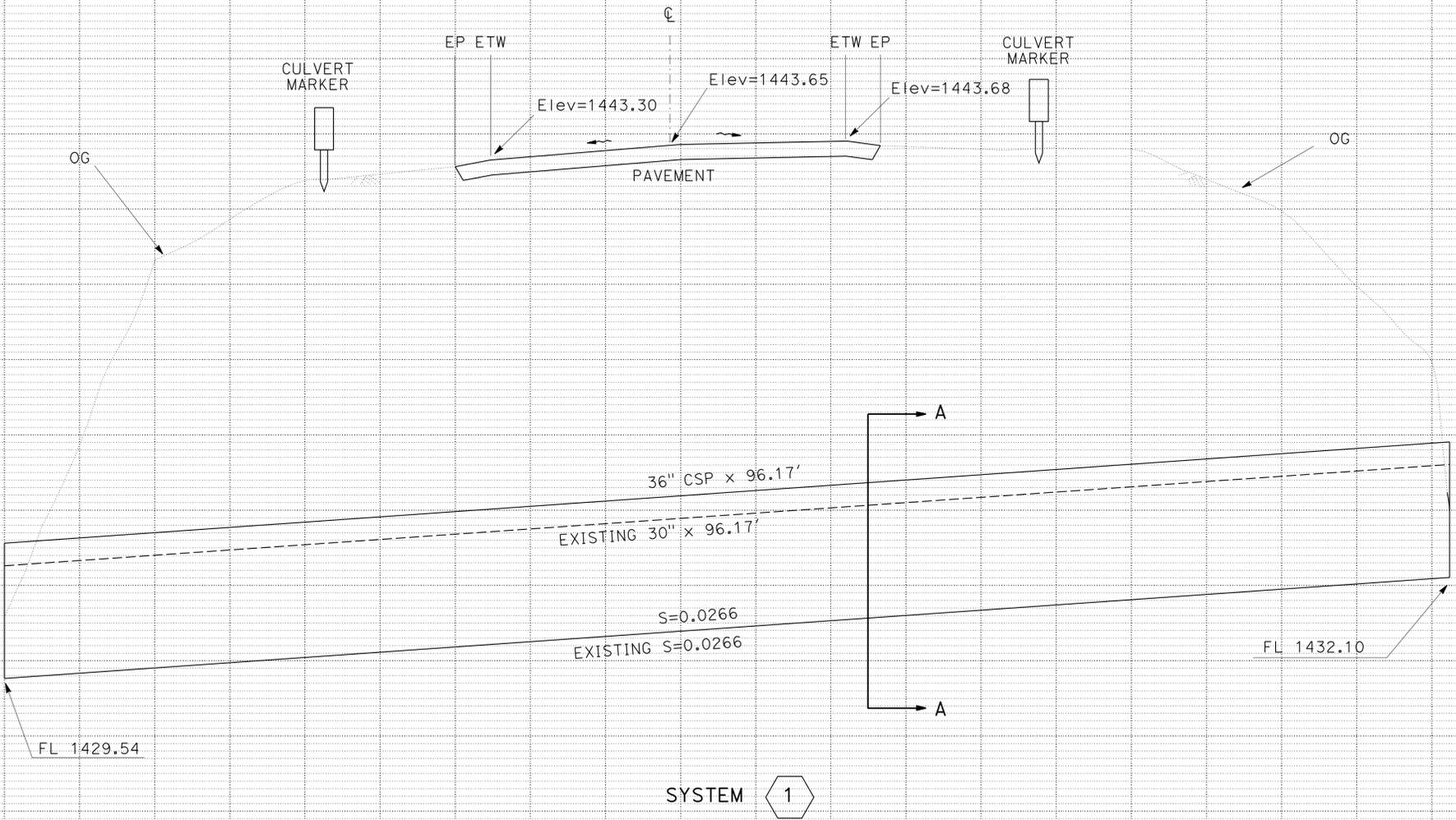
APPROVED FOR DRAINAGE WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED / DESIGNED BY	CHECKED BY	RHEA VILLARAMA	REVISOR BY
				MICHAEL P. RISTIC	DATE REVISED
Caltrans MAINTENANCE DESIGN	MICHAEL P. RISTIC	1446	1446		
		1445	1445		
		1444	1444		
		1443	1443		
		1442	1442		
		1441	1441		
		1440	1440		
		1439	1439		
		1438	1438		
		1437	1437		
		1436	1436		
		1435	1435		
1434	1434				
1433	1433				
1432	1432				
1431	1431				
1430	1430				
1429	1429				
1428	1428				
1427	1427				

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	62	85.0	5	19
			9-24-12	DATE	
			10-01-12	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.					

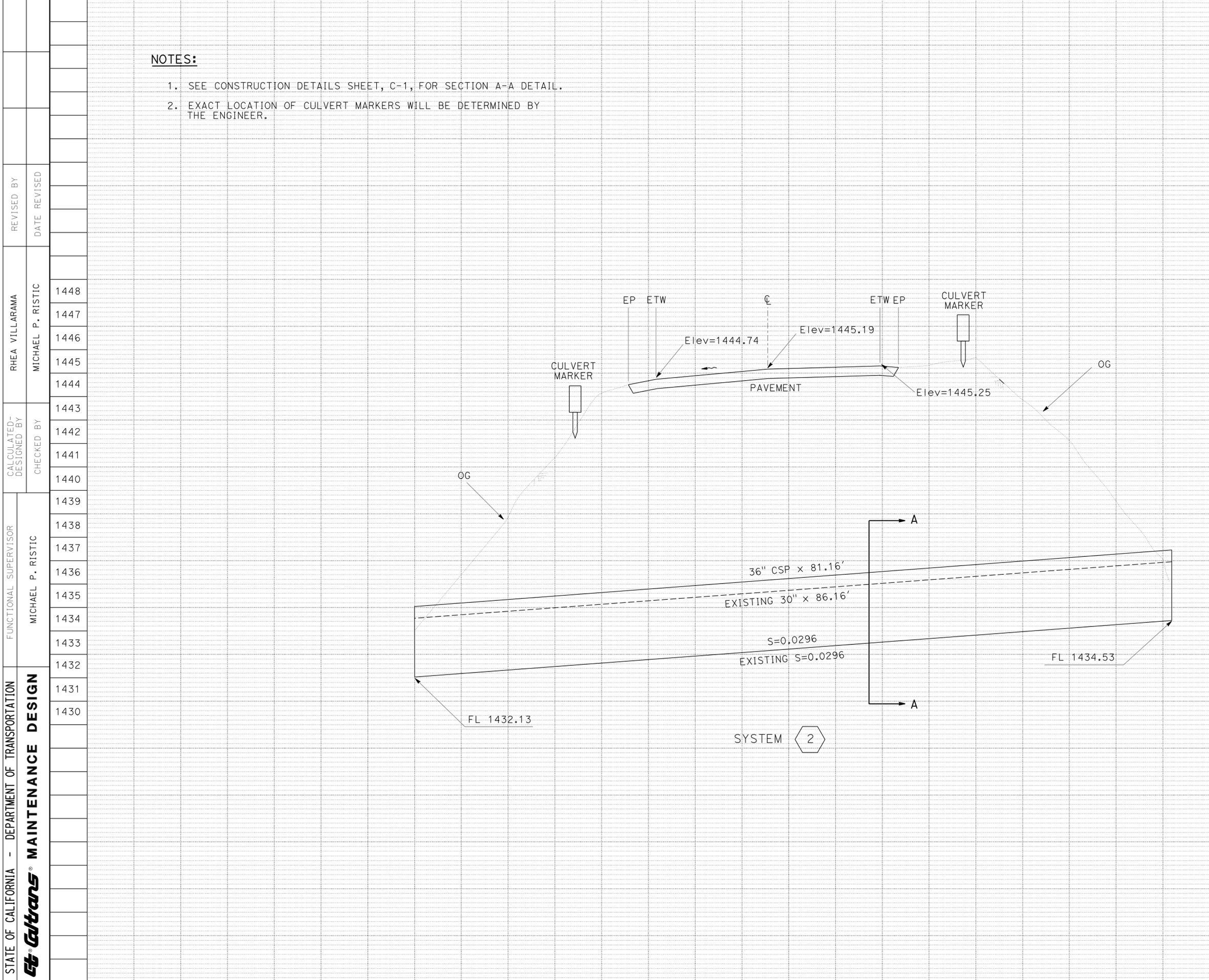
NOTES:

- SEE CONSTRUCTION DETAILS SHEET, C-1, FOR SECTION A-A DETAIL.
- EXACT LOCATION OF CULVERT MARKERS WILL BE DETERMINED BY THE ENGINEER.



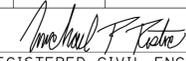
DRAINAGE PROFILES

SCALE: Horiz 1":5'
Vert 1":2' **DP-1**



NOTES:

1. SEE CONSTRUCTION DETAILS SHEET, C-1, FOR SECTION A-A DETAIL.
2. EXACT LOCATION OF CULVERT MARKERS WILL BE DETERMINED BY THE ENGINEER.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	62	85.0	6	19
 REGISTERED CIVIL ENGINEER			9-24-12	DATE	
10-01-12 PLANS APPROVAL DATE					
<small>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.</small>					



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION Caltrans MAINTENANCE DESIGN	FUNCTIONAL SUPERVISOR	MICHAEL P. RISTIC	1439	1439	
	CALCULATED, DESIGNED BY	CHECKED BY	1440	1440	
RHEA VILLARAMA	REVISOR	DATE	1441	1441	
MICHAEL P. RISTIC	REVISOR	DATE	1442	1442	
	REVISOR	DATE	1443	1443	
	REVISOR	DATE	1444	1444	
	REVISOR	DATE	1445	1445	
	REVISOR	DATE	1446	1446	
	REVISOR	DATE	1447	1447	
	REVISOR	DATE	1448	1448	

DRAINAGE PROFILES

SCALE: Horiz 1":5'
Vert 1":2' **DP-2**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR	LARRY SARTORI
DESIGNED BY	LARRY SARTORI
CHECKED BY	LARRY SARTORI
REVISIONS	
REVISOR	
DATE	
REVISIONS	
REVISOR	
DATE	

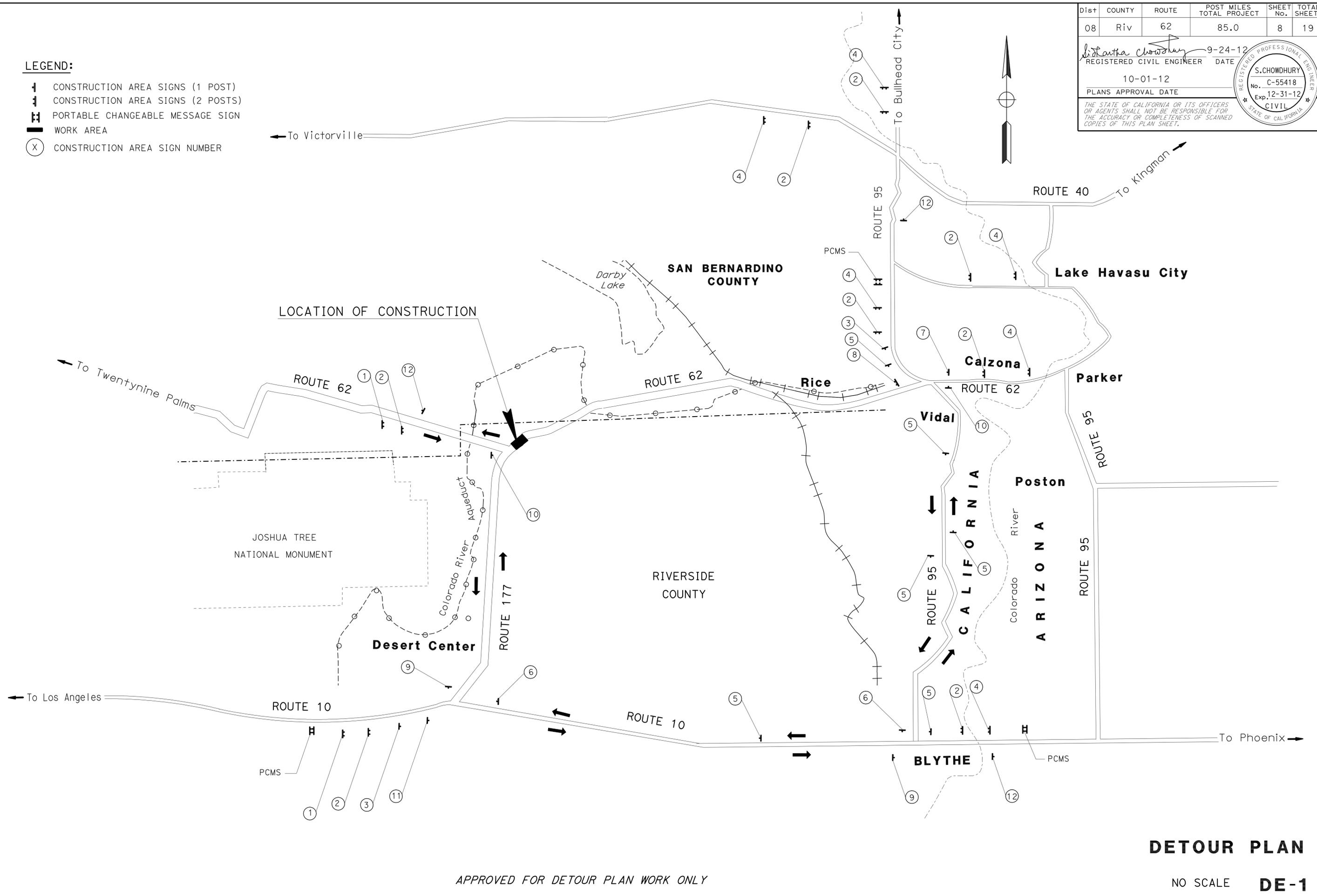
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	62	85.0	8	19

9-24-12
 REGISTERED CIVIL ENGINEER DATE
 10-01-12
 PLANS APPROVAL DATE

S. CHOWDHURY
 No. C-55418
 Exp. 12-31-12
 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.

- LEGEND:**
- ↓ CONSTRUCTION AREA SIGNS (1 POST)
 - ↓ CONSTRUCTION AREA SIGNS (2 POSTS)
 - H PORTABLE CHANGEABLE MESSAGE SIGN
 - WORK AREA
 - (X) CONSTRUCTION AREA SIGN NUMBER



APPROVED FOR DETOUR PLAN WORK ONLY

DETOUR PLAN

NO SCALE **DE-1**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	62	85.0	10	19

Sidhartha Chowdhury 9-24-12
 REGISTERED CIVIL ENGINEER DATE
 10-01-12
 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.

NOTE :

1. ADDITIONAL CONSTRUCTION AREA SIGNS ARE ON SHEET CS-1

DETOUR SIGN QUANTITIES

SIGN NUMBER	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF POST AND SIZE	No. OF SIGNS
①	C-SPECIAL	126" X 78"	62 EAST TO VIDAL WILL BE CLOSED 00-00 TO 00-00	2 - 6" X 8"	2
②	C-SPECIAL	126" X 78"	ROAD WORK 00-00 TO 00-00 INFO CALL 1-800-COMMUTE	2 - 6" X 8"	8
③	C40A(CA)	36" X 36"	TRAFFIC FINES DOUBLE IN CONSTRUCTION ZONES	1 - 4" X 4"	2
④	M6-1(LT)	132" X 84"	62 WEST WILL BE CLOSED AT 177 JCT 00-00 TO 00-00	2 - 6" X 8"	6
⑤	G28-2	15" X 11"	62	1 - 4" X 4"	6
	SC3(CA)	48" X 18"	DETOUR ARROW		
	M3-4	42" X 18"	WEST		
⑥	G28-2	15" X 11"	62	1 - 4" X 4"	2
	M4-10(RT)	48" X 18"	DETOUR ARROW		
	M3-4	42" X 18"	WEST		
⑦	G28-2	15" X 11"	62	1 - 4" X 4"	1
	M4-10(LT)	48" X 18"	DETOUR ARROW		
	M3-4	42" X 18"	WEST		
⑧	R11-3A	60" X 30"	ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY	2 - 6" X 6"	1
⑨	G28-2	15" X 11"	62	1 - 4" X 4"	2
	M4-10(LT)	48" X 18"	DETOUR ARROW		
	M3-2	42" X 18"	EAST		
⑩	G28-2	15" X 11"	62	1 - 4" X 4"	2
	M4-10(RT)	48" X 18"	DETOUR ARROW		
	M3-2	42" X 18"	EAST		
⑪	G28-2	15" X 11"	62	1 - 4" X 4"	1
	SC3(CA)	48" X 18"	DETOUR ARROW		
	M3-2	42" X 18"	EAST		
⑫	M4-8A	24" X 18"	END DETOUR	1 - 4" X 4"	3
				TOTAL	36

PORTABLE CHANGEABLE MESSAGE SIGN

SIGN CODE	No. OF SIGNS
PCMS	3

DETOUR SIGN QUANTITIES

NO SCALE

DEQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: LARRY SARTORI
 CALCULATED/DESIGNED BY: LARRY SARTORI
 REVISIONS: REVISOR: LARRY SARTORI DATE:

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	62	85.0	11	19

Sidhartha Chowdhury 9-24-12
 REGISTERED CIVIL ENGINEER DATE
 10-01-12
 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. PAVEMENT MARKERS SHALL BE PLACED BEFORE SPRAYABLE THERMOPLASTIC STRIPE IS APPLIED.

PAVEMENT DELINEATION QUANTITIES

ROUTE	PM	DESCRIPTION	STRIPING DETAIL No.	THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)		REMOVE PAVEMENT MARKER	PAVEMENT MARKER
				4" WHITE LF	4" YELLOW LF	RETRO REFLECTIVE	RETRO REFLECTIVE
						TYPE G EA	TYPE G EA
62	85.0/85.1	INTERSECTION OF ROUTE 177 AND ROUTE 62	27B	1056			
			22		528	46	46
			SUB-TOTAL	1056	528	46	46
			TOTAL		1584	46	46

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR
 LARRY SARTORI
 CALCULATED/DESIGNED BY
 CHECKED BY
 LARRY SARTORI
 SIDHARTHA CHOWDHURY
 LARRY SARTORI
 REVISED BY
 DATE REVISED

**PAVEMENT DELINEATION
QUANTITIES
PDQ-1**

LAST REVISION | DATE PLOTTED => 01-OCT-2012
 09-20-12 | TIME PLOTTED => 07:59

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN

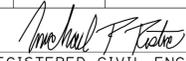
FUNCTIONAL SUPERVISOR
 MICHAEL P. RISTIC

CALCULATED/DESIGNED BY
 CHECKED BY

RHEA VILLARAMA
 MICHAEL P. RISTIC

REVISED BY
 DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	62	85.0	12	19

 9-24-12
 REGISTERED CIVIL ENGINEER DATE
 10-01-12
 PLANS APPROVAL DATE



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PAVEMENT QUANTITIES

PM	TOTAL WIDTH	TOTAL LENGTH	DEPTH	REPLCE AC SURFACING
	LF	LF	LF	CY
85.0	28	80	0.4	34
85.1	29	52	0.4	23
TOTAL				57

DRAINAGE QUANTITIES

PM	DRAINAGE SYSTEM No.	REMOVE CULVERT	36" CORRUGATED STEEL PIPE (.168" THICK)	MINOR CONCRETE (BACKFILL)
		LF	LF	CY
85.0	1	96.17	96.17	149.4
85.1	2	81.17	81.17	126.1
TOTAL		177.3	177.3	275.5

MARKER QUANTITIES

PM	MARKER (CULVERT) (EA)
85.0	2
85.1	2
TOTAL	4

EROSION CONTROL

ITEM	UNIT	QUANTITY
CLEARING AND GRUBBING	LS	1
DUFF	SQYD	261
MOVE-IN/MOVE-OUT (EROSION CONTROL)	EA	2
EROSION CONTROL (BONDED FIBER MATRIX)	SQFT	2350

SUMMARY OF QUANTITIES

Q-1



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	62	85.0	13	19

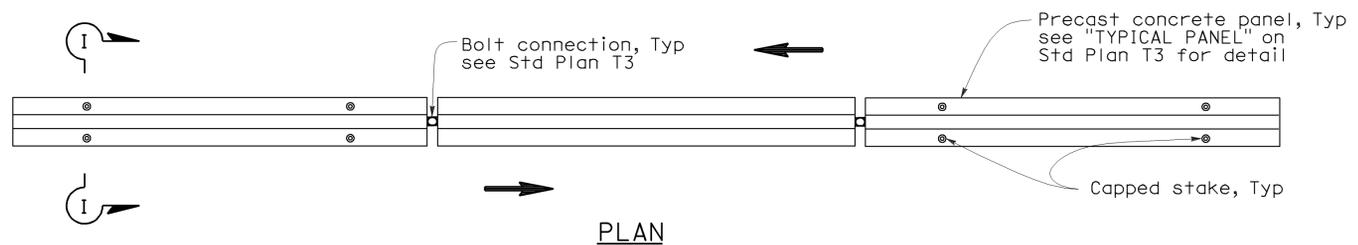
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

May 20, 2011
PLANS APPROVAL DATE

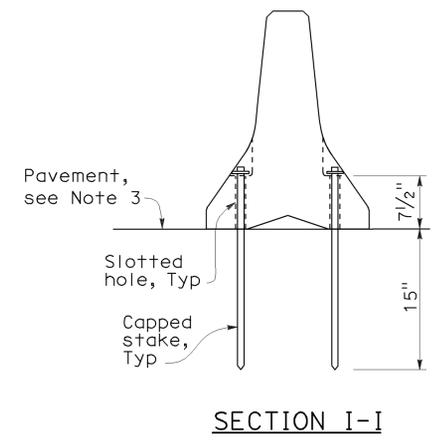
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Randell D. Hiatt
No. C50200
Exp. 6-30-11
CIVIL
STATE OF CALIFORNIA

To accompany plans dated 10-01-12



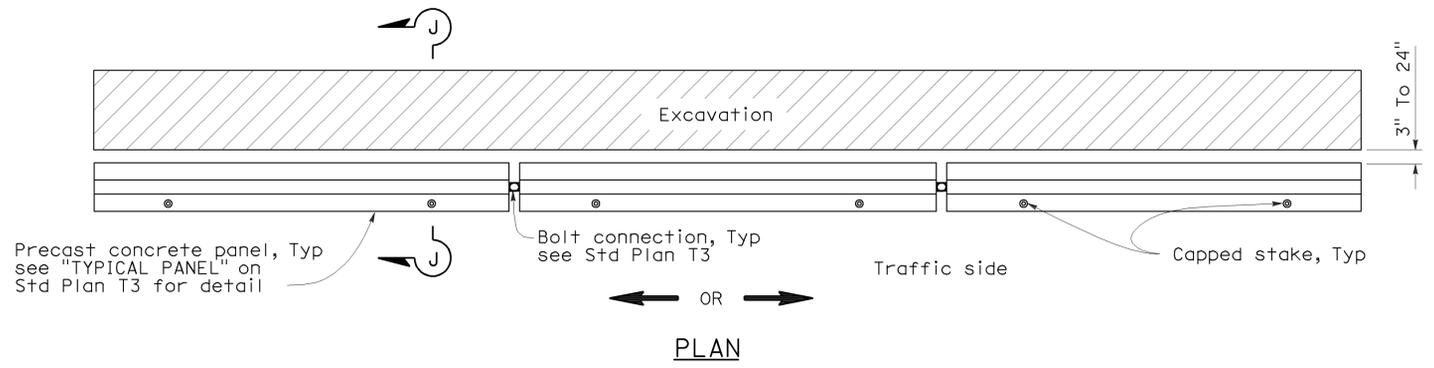
RAILING STAKING CONFIGURATION FOR TWO-WAY TRAFFIC
See Note 1



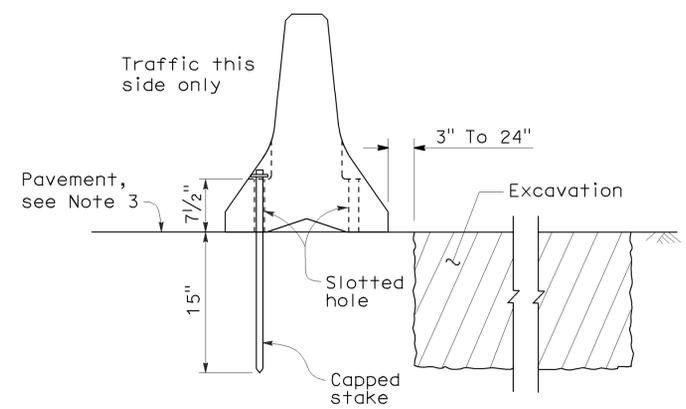
NOTES:

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 pavement.
4. The minimum yield strength for the washer must be 60,000 psi.
5. Direction of adjacent traffic indicated by →.

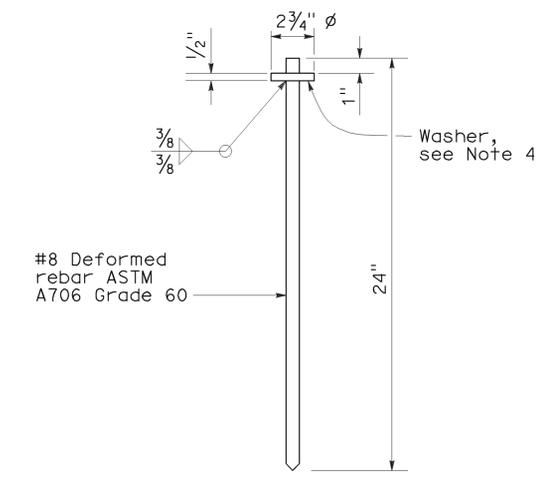
SECTION I-I



RAILING STAKING CONFIGURATION ADJACENT TO AN EXCAVATION
See Note 2



SECTION J-J



CAPPED STAKE DETAIL

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.

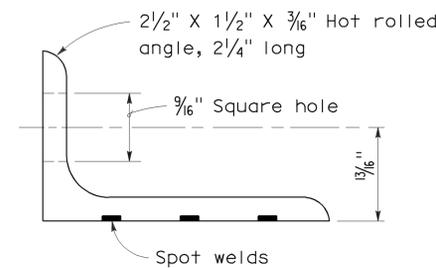
2006 NEW STANDARD PLAN NSP T3A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	62	85.0	14	19

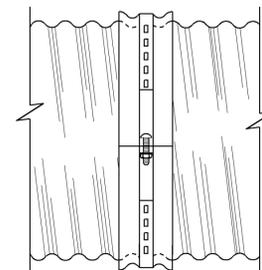
Raymond Don Tsztou
 REGISTERED CIVIL ENGINEER
 June 6, 2008
 PLANS APPROVAL DATE
 No. C37332
 Exp. 6-30-08
 CIVIL
 STATE OF CALIFORNIA

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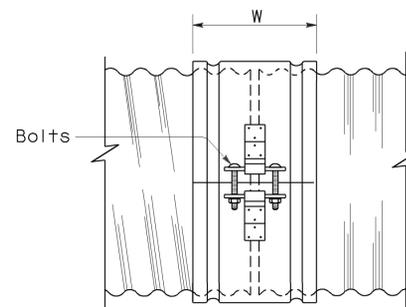
To accompany plans dated 10-01-12



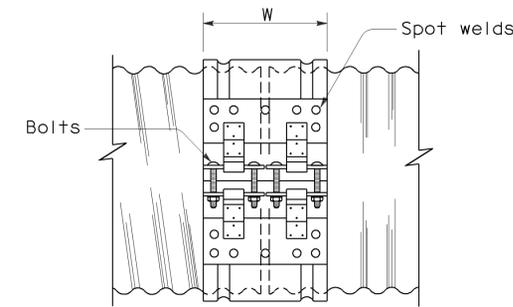
ANGLE



SIDE VIEW
ANGLE



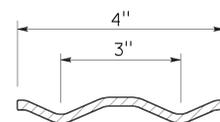
SIDE VIEW
SINGLE BAR AND STRAP



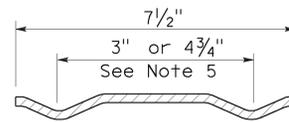
SIDE VIEW
DOUBLE BAR AND STRAP

NOTES:

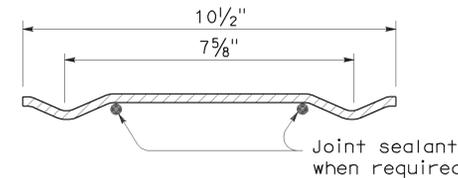
1. All ferrous metal coupling band connection hardware shall be galvanized or electroplated in accordance with the Standard Specifications.
2. Dimensions and thicknesses shown are minimum.
3. Spot welds shall develop minimum required strength of strap.
4. Fillet welds of equivalent strength may be substituted for spot welds or rivets.
5. Dimension depends upon whether end condition is lips up or lips down.



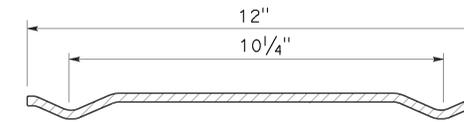
SECTION
H-4 HUGGER BAND



SECTION
H-7 HUGGER BAND



SECTION
H-10 HUGGER BAND



SECTION
H-12 HUGGER BAND

HUGGER COUPLING BANDS

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**CORRUGATED METAL PIPE
COUPLING DETAILS No. 4
HUGGER COUPLING BANDS**

NO SCALE

RSP D97D DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN D97D
DATED MAY 1, 2006 - PAGE 186 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP D97D

2006 REVISED STANDARD PLAN RSP D97D

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	62	85.0	17	19

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

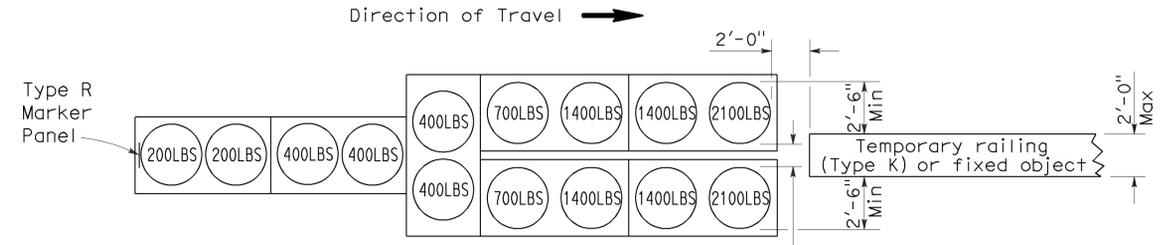
June 6, 2008
PLANS APPROVAL DATE

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

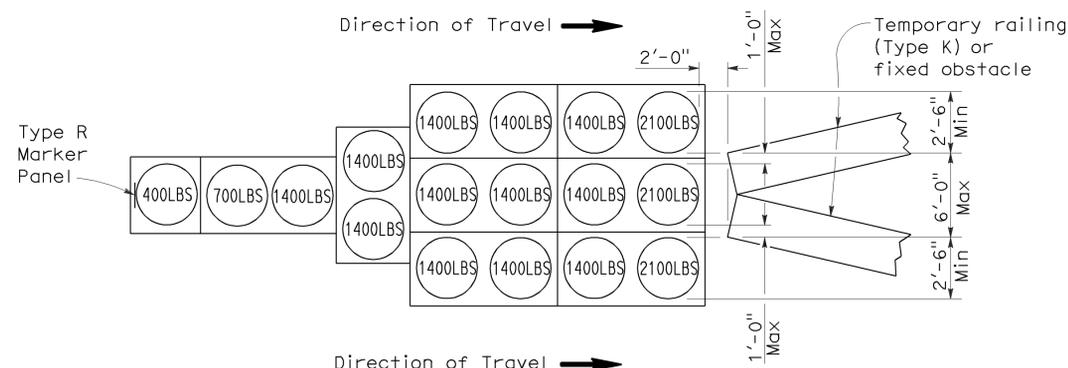
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 10-01-12

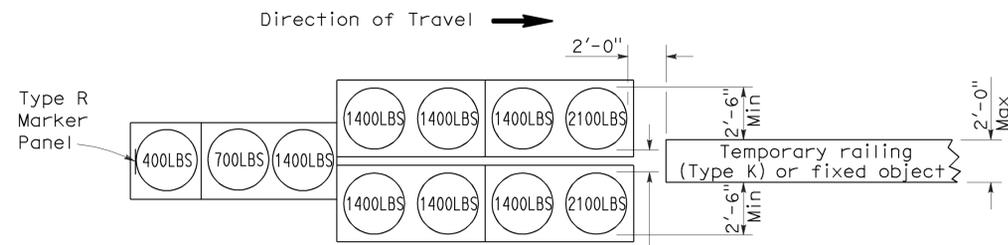
2006 REVISED STANDARD PLAN RSP T1A



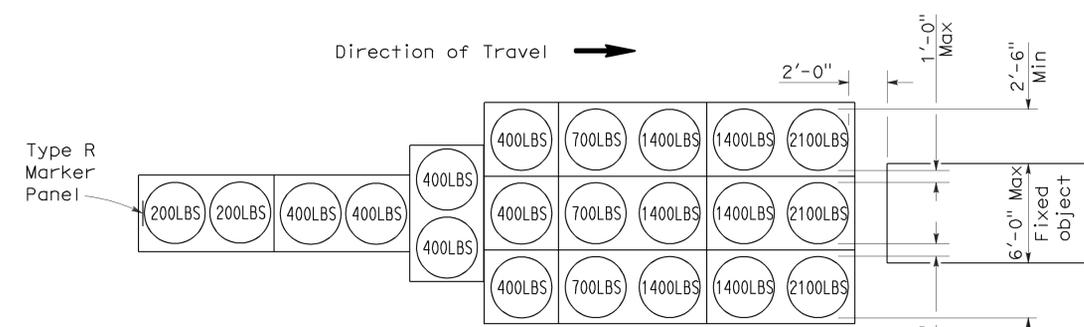
Direction of Travel →
ARRAY 'TU14'
Approach speed 45 mph or more



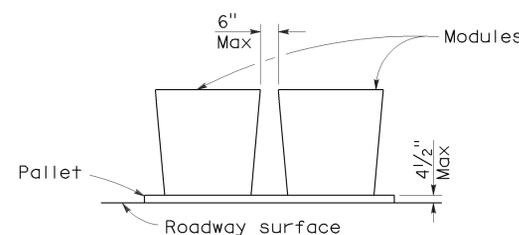
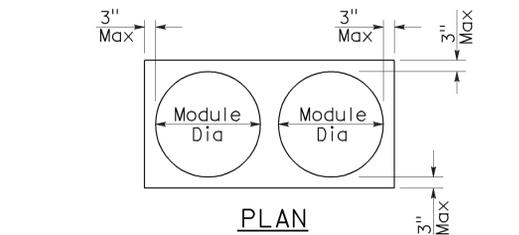
Direction of Travel →
ARRAY 'TU17'
Approach speed less than 45 mph



Direction of Travel →
ARRAY 'TU11'
Approach speed less than 45 mph



Direction of Travel →
ARRAY 'TU21'
Approach speed 45 mph or more



PLAN
ELEVATION
CRASH CUSHION PALLET DETAIL
See Note 7

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.
- Temporary crash cushion arrays shall not encroach on the traveled way.
- Place the top of Type R marker panel 1" below the module lid.
- Refer to Standard Plan A73B for marker details.
- 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
(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
08	Riv	62	85.0	18	19

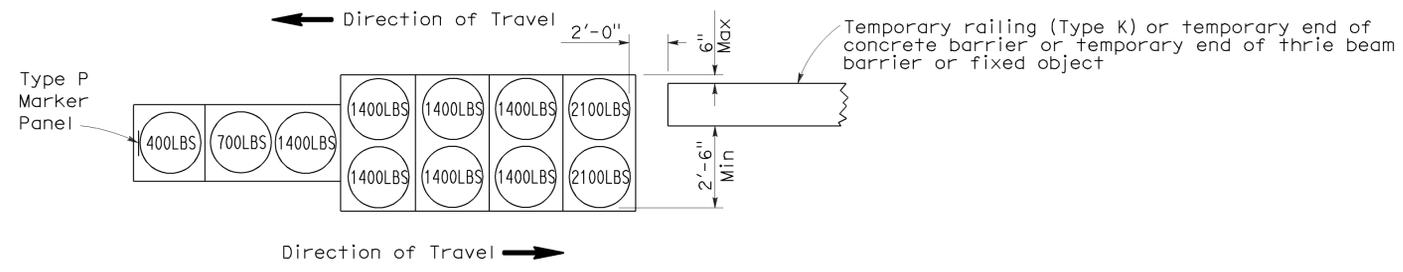
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

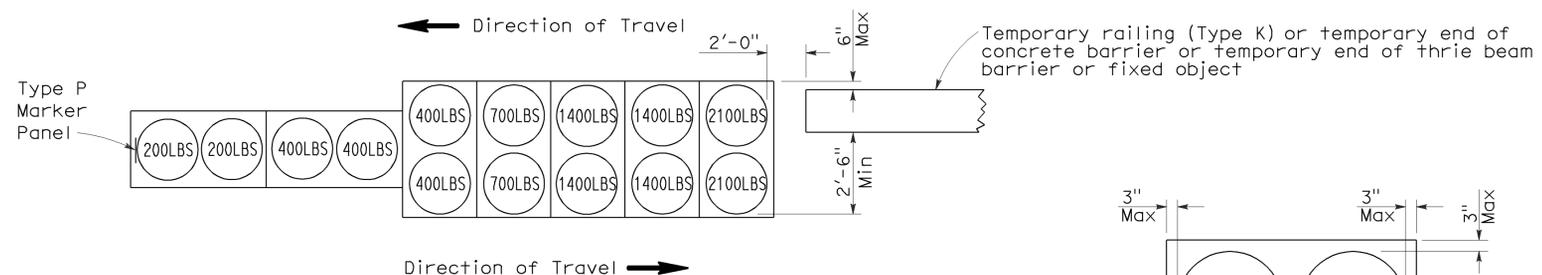
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 10-01-12



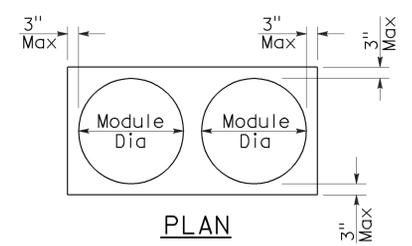
ARRAY 'TB11'

Approach speed less than 45 mph

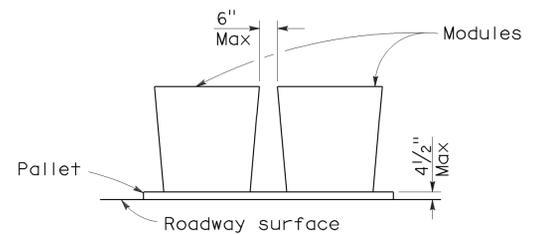


ARRAY 'TB14'

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
08	Riv	62	85.0	19	19

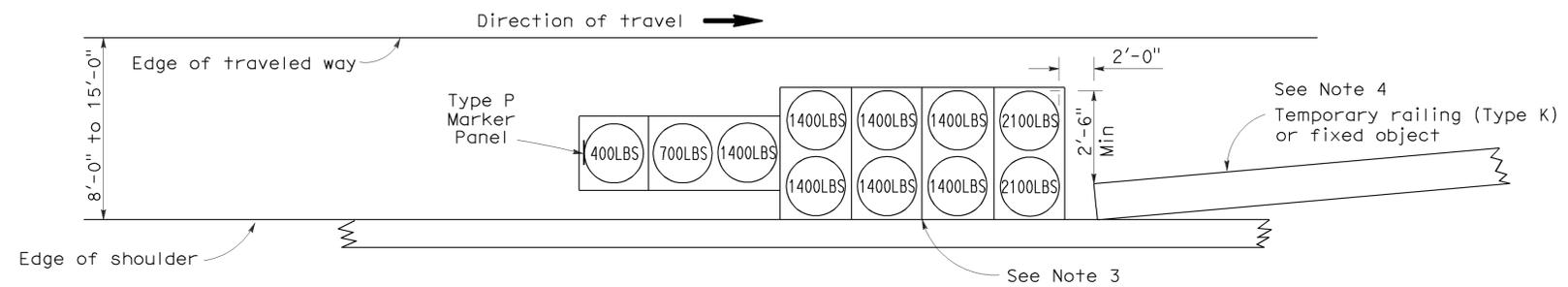
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

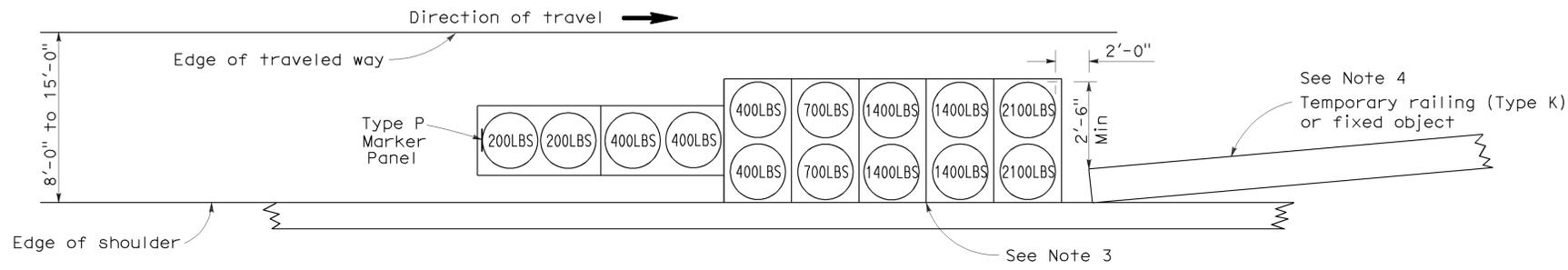
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

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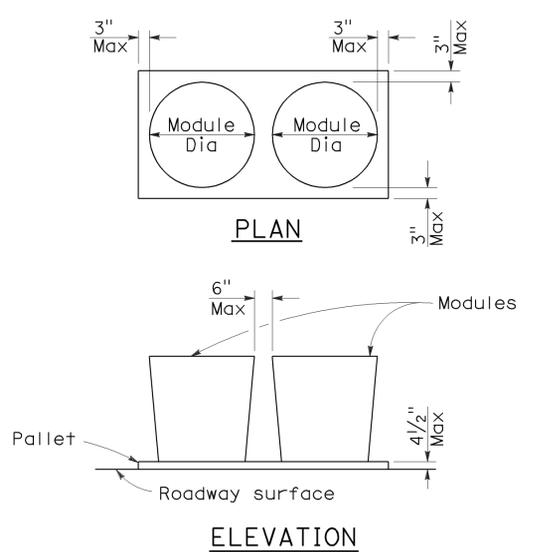
To accompany plans dated 10-01-12



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:

- (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