

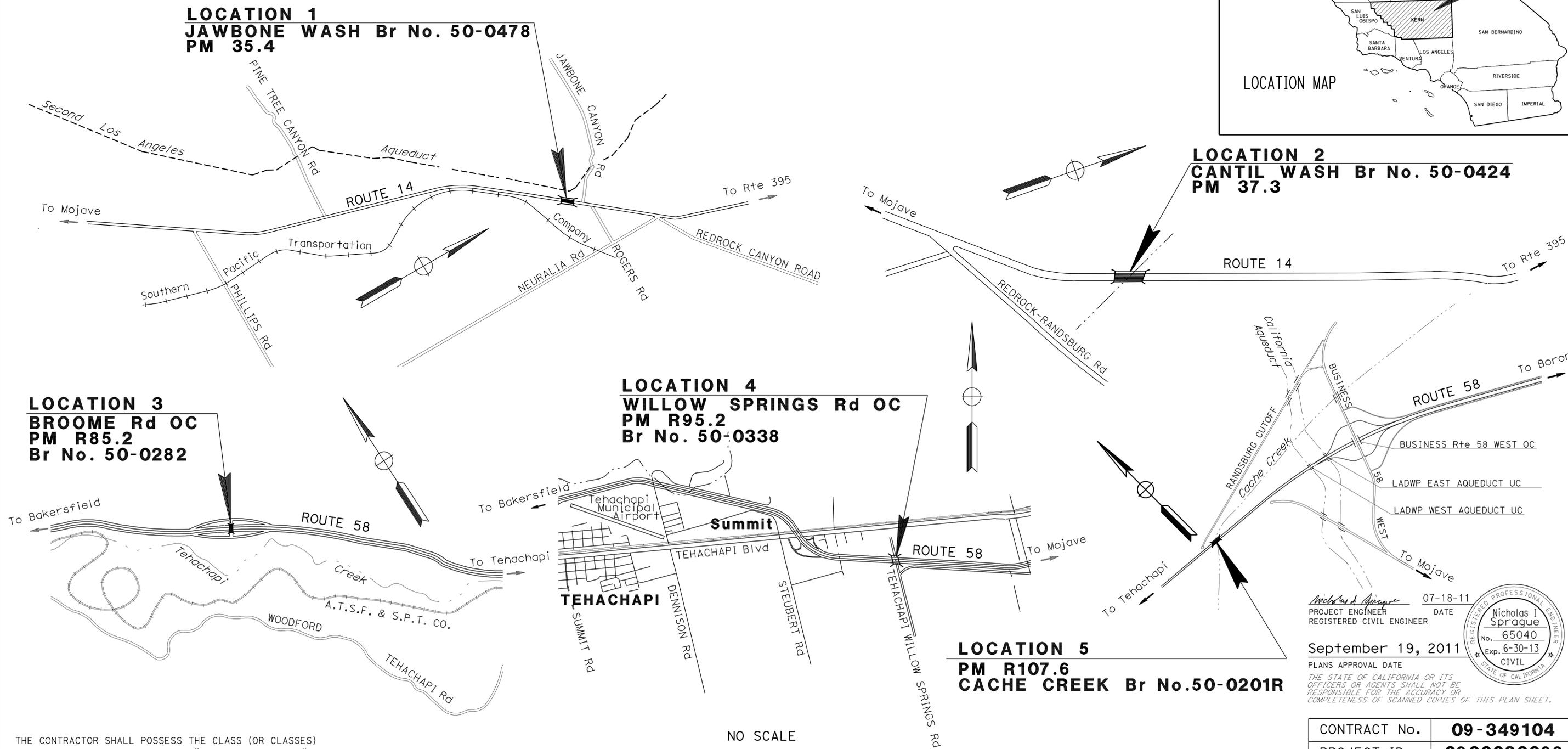
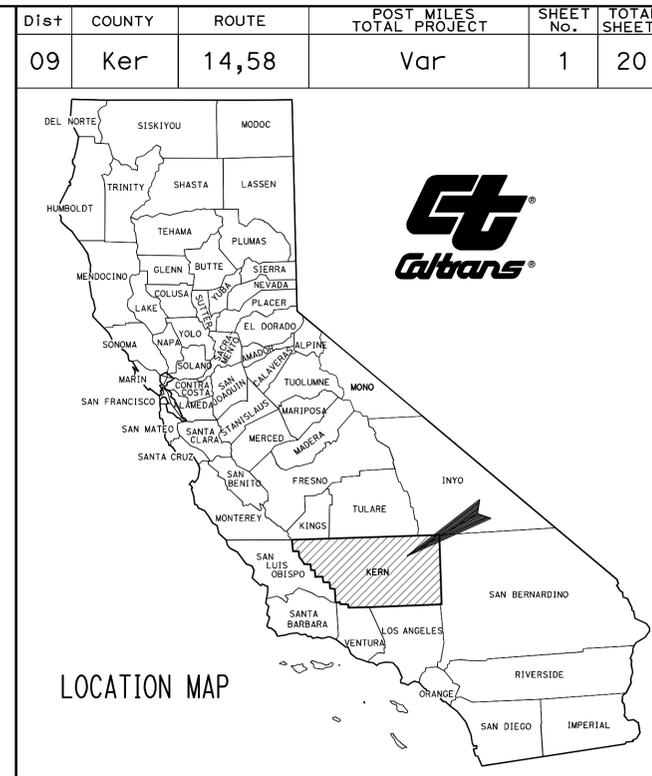
INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2-3	CONSTRUCTION DETAILS
4-5	CONSTRUCTION AREA SIGNS
6	SUMMARY OF QUANTITIES
7-13	REVISED AND NEW STANDARD PLANS
STRUCTURE PLANS	
14-20	ROUTE 14 AND 58 BRIDGES

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 KERN COUNTY**  
**AT VARIOUS LOCATIONS**

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



NO SCALE

*Nicholas I Sprague* 07-18-11  
 PROJECT ENGINEER DATE  
 REGISTERED CIVIL ENGINEER  
 September 19, 2011  
 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>09-349104</b>
PROJECT ID	<b>0900020068</b>

PROJECT MANAGER  
**JOHN FOX**  
 DESIGN ENGINEER  
**JOHN FOX**

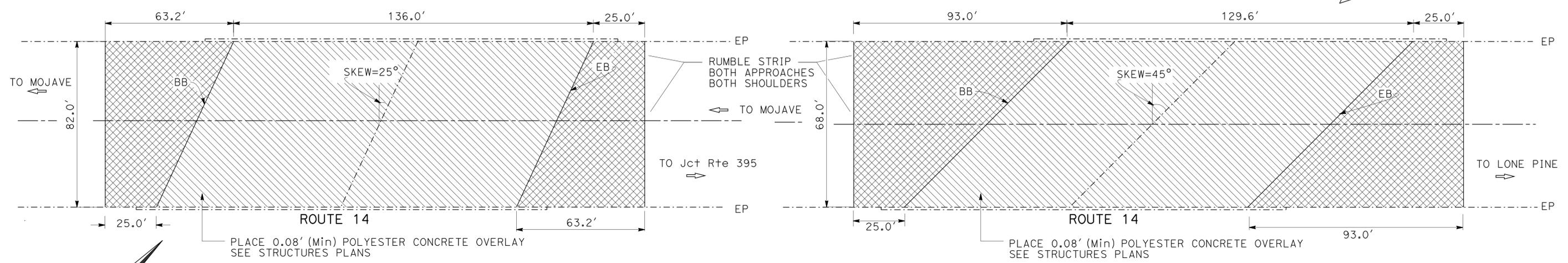
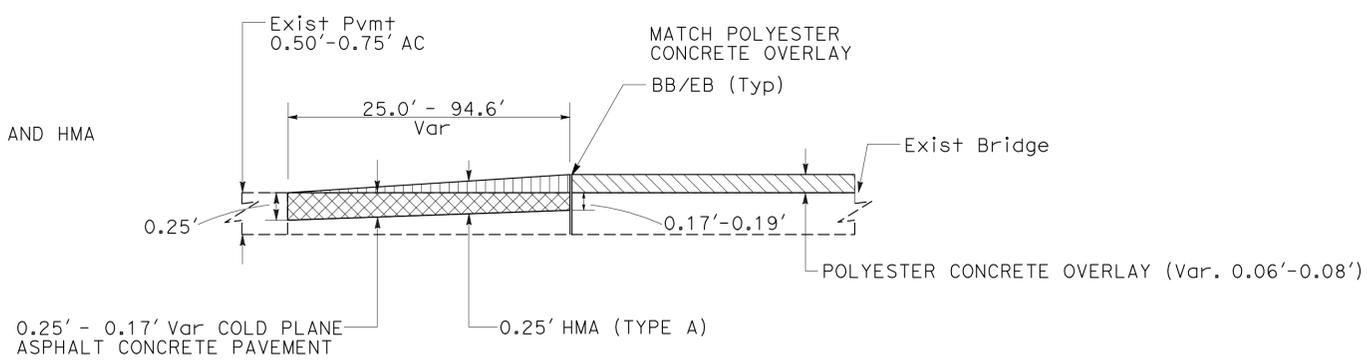
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Ker	14,58	Var	2	20

<i>Nicholas I. Sprague</i> REGISTERED CIVIL ENGINEER DATE 07-18-11	
9-19-11 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>	

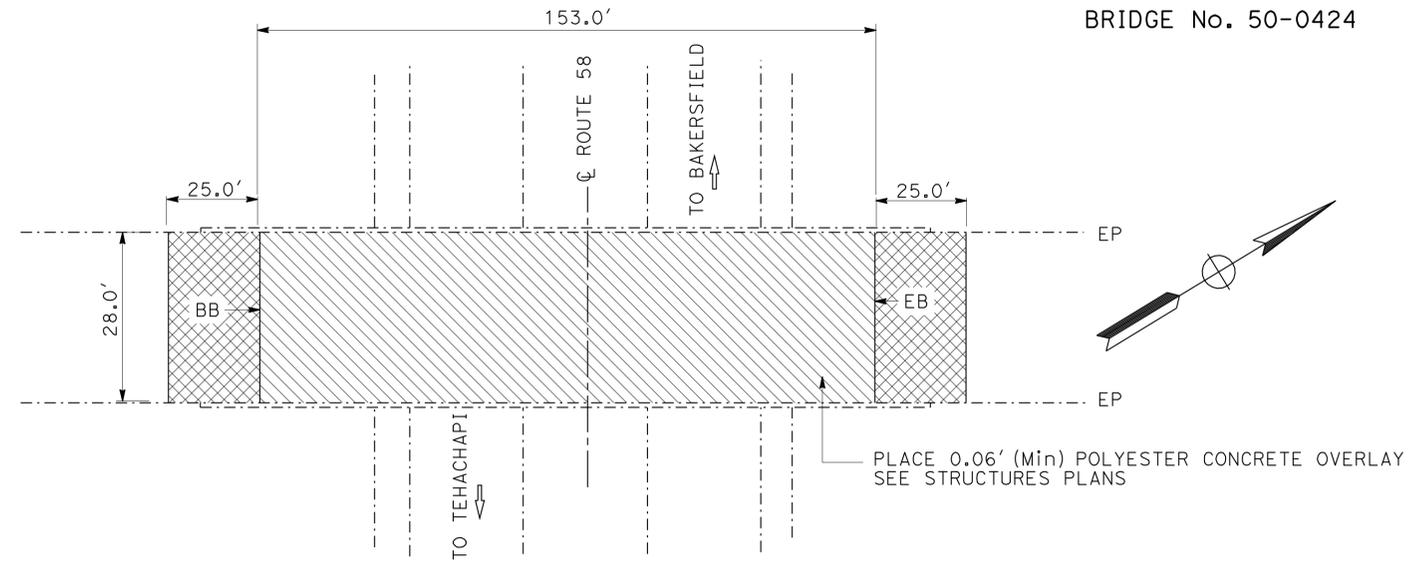
**NOTE:**  
REPLACE RECESSED MARKERS IN HMA AND RAISED MARKERS ON BRIDGE DECKS

- LEGEND:**
- LIMITS OF POLYESTER CONCRETE OVERLAY
  - LIMITS OF COLD PLANE ASPHALT CONCRETE PAVEMENT AND HMA
  - LIMITS OF HMA



**LOCATION 1**  
**JAWBONE CANYON WASH Br**  
KER 14 PM 35.40  
BRIDGE No. 50-0478

**LOCATION 2**  
**CANTIL WASH Br**  
KER 14 PM 37.32  
BRIDGE No. 50-0424



**LOCATION 3**  
**BROOME ROAD OC**  
KER 58 PM R85.15  
BRIDGE No. 50-0282

**CONSTRUCTION DETAILS**  
NO SCALE  
**C-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** MAINTENANCE ENGINEERING  
 FUNCTIONAL SUPERVISOR JOHN FOX  
 CALCULATED/DESIGNED BY NICHOLAS SPRAGUE  
 CHECKED BY MONTASHEEMA AFROZE  
 REVISOR BY MA NS  
 DATE REVISED 07-05-11 07-11-11



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Ker	14,58	Var	4	20

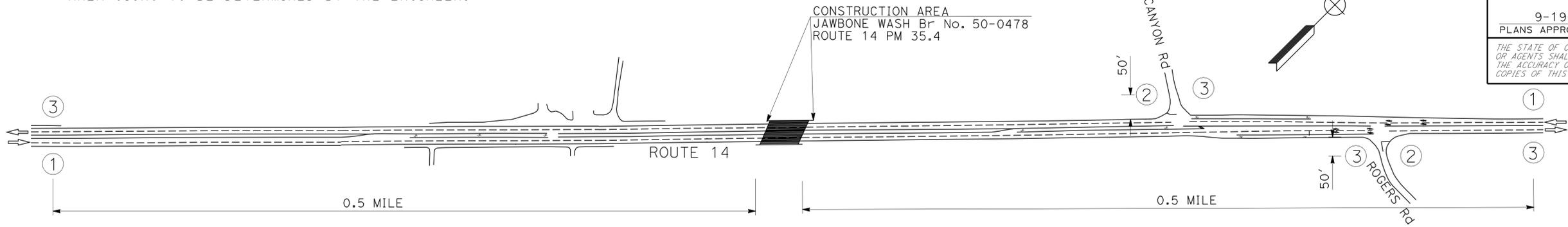
REGISTERED CIVIL ENGINEER  
 Nicholas I. Sprague  
 No. 65040  
 Exp. 6-30-13  
 CIVIL  
 STATE OF CALIFORNIA

07-18-11  
 DATE  
 9-19-11  
 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:**

- FOR SIGN INSTALLATION DETAILS AND DIMENSIONS NOT SHOWN SEE S+d PLANS.
- SEE TABLE FOR PLACEMENT TYPE, EXACT LOCATION AND POSITION OF CONSTRUCTION AREA SIGNS TO BE DETERMINED BY THE ENGINEER.

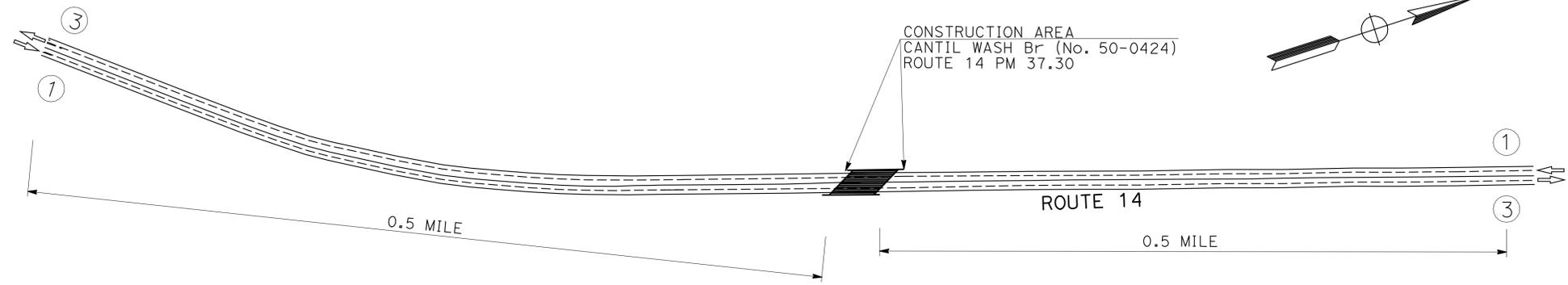


**TYPICAL SIGN PLACEMENT**  
LOCATION 1

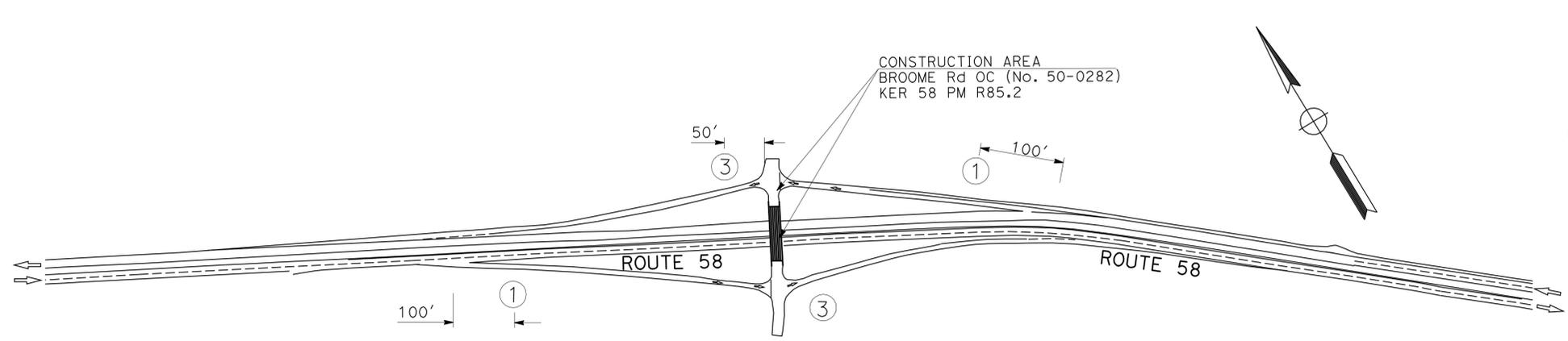
<b>PORTABLE CHANGEABLE MESSAGE SIGNS</b>
No. OF SIGNS
4

<b>PORTABLE CHANGEABLE MESSAGE SIGNS</b>		
MESSAGE FOR UNDIVIDED HIGHWAY		
USE CAUTION	PREPARE TO STOP	EXPECT 20 MINUTE DELAY
MESSAGE FOR DIVIDED HIGHWAY		
USE CAUTION	LANE CLOSED AHEAD	BRIDGE REPAIR

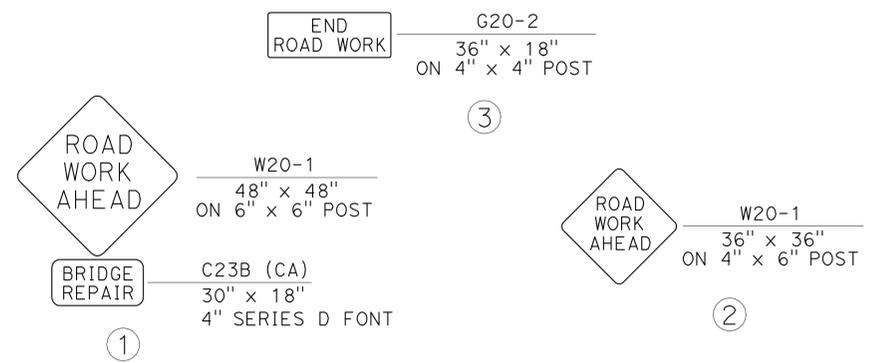
- PORTABLE CHANGEABLE MESSAGE SIGN LOCATIONS TO BE CONFIRMED BY THE ENGINEER BEFORE THE ACTUAL CLOSURE.
- ALTERNATE MESSAGES MUST BE APPROVED BY THE ENGINEER.
- MESSAGE MAY BE ALTERED BY THE ENGINEER.
- WHEN CONSTRUCTION OPERATIONS ARE NOT ACTIVELY IN PROGRESS, PORTABLE CHANGEABLE MESSAGE SIGNS SHALL NOT DISPLAY A MESSAGE UNLESS DIRECTED BY THE ENGINEER.



**TYPICAL SIGN PLACEMENT**  
LOCATION 2



**TYPICAL SIGN PLACEMENT**  
LOCATION 3



**TYPICAL SIGN LAYOUT**

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

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** MAINTENANCE ENGINEERING  
 FUNCTIONAL SUPERVISOR JOHN FOX  
 CALCULATED/DESIGNED BY MONTASHEEMA AFROZE  
 CHECKED BY NICHOLAS SPRAGUE  
 REVISED BY DATE REVISION  
 MA 10-18-10 06-06-11  
 NS

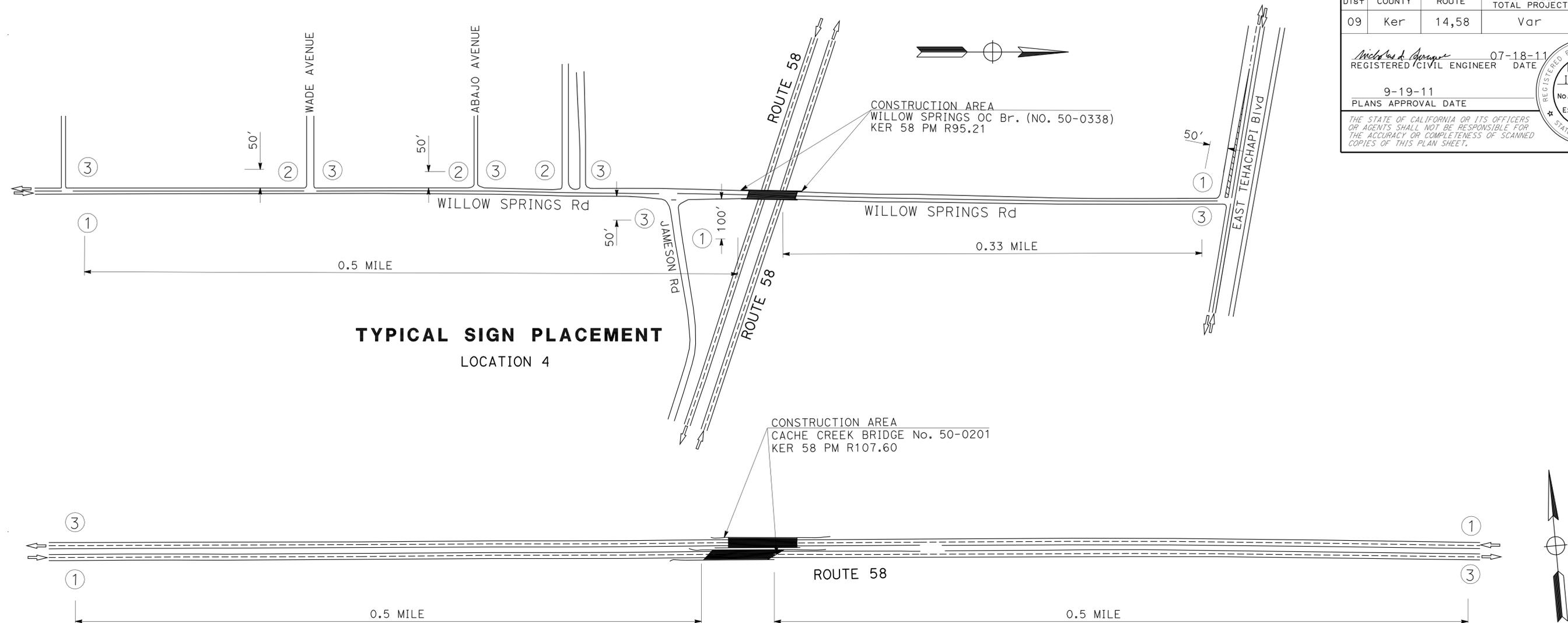
LAST REVISION  
 DATE PLOTTED => 22-SEP-2011  
 TIME PLOTTED => 15:35

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Ker	14,58	Var	5	20

REGISTERED CIVIL ENGINEER  
 Nicholas I. Sprague  
 No. 65040  
 Exp. 6-30-13  
 CIVIL  
 STATE OF CALIFORNIA

07-18-11 DATE  
 9-19-11 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.



**TYPICAL SIGN PLACEMENT**  
LOCATION 4

**TYPICAL SIGN PLACEMENT**  
LOCATION 5

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS				
LOCATION	ROUTE	PM	PLACEMENT	REMARKS
1	14	34.65	1,3	BEGIN WORK, END WORK ROUTE 14
	14	35.41	2,3	BEGIN WORK, END WORK JAWBONE CANYON Rd
	14	35.55	2,3	BEGIN WORK, END WORK ROGERS Rd
	14	35.65	3,1	END WORK, BEGIN WORK ROUTE 14
2	14	36.80	1,3	BEGIN WORK, END WORK ROUTE 14
	14	37.80	3,1	END WORK, BEGIN WORK ROUTE 14
3	58	R85.03	1	BEGIN WORK EB OFFRAMP TO BROOME Rd
			3	END WORK WB ONRAMP FROM BROOME Rd
			3	END WORK EB ONRAMP FROM BROOME Rd
3	58	R85.25	1	BEGIN WORK WB OFFRAMP TO BROOME Rd
			1,3	BEGIN WORK, END WORK WILLOW SPRINGS Rd
4			2,3	BEGIN WORK, END WORK WADE Ave
			2,3	BEGIN WORK, END WORK ABAJO Ave
			2,3	BEGIN WORK, END WORK ROAD APPROACH
			1,3	BEGIN WORK, END WORK JAMESON Rd
			3,1	END WORK, BEGIN WORK WILLOW SPRINGS Rd AT EAST TEHACHAPI Blvd
5	58	R107.10	1,3	BEGIN WORK, END WORK ROUTE 58
	58	R108.10	3,1	END WORK, BEGIN WORK ROUTE 58

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS					
LAYOUT	TYPE	PANEL SIZE (in)	SIGN MESSAGE	No. OF POST AND SIZE (Inch)	EACH
①	W20-1	48" x 48"	ROAD WORK AHEAD	1 - 6" x 6"	11
	C23B (CA)	30" x 18" 4" SERIES D FONT	BRIDGE REPAIR		
②	W20-1	36" x 36"	ROAD WORK AHEAD	1 - 4" x 6"	5
③	G20-2	36" x 18"	END ROAD WORK	1 - 4" x 4"	16

EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER

**CONSTRUCTION AREA SIGNS**  
NO SCALE  
**CS-2**

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 Caltrans MAINTENANCE ENGINEERING  
 FUNCTIONAL SUPERVISOR JOHN FOX  
 CHECKED BY NICHOLAS SPRAGUE  
 DESIGNED BY MONTASHEEMA AFROZE  
 REVISIONS: MA NS, DATE 10-18-10, REVISION 09-13-10

NOTE:  
REMOVE TRAFFIC STRIPE QUANTITY FOR BRIDGE DECKS ONLY

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Ker	14,58	Var	6	20

*Nicholas I. Sprague* 07-18-11  
 REGISTERED CIVIL ENGINEER DATE  
 9-19-11  
 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.

### ROADWAY QUANTITIES

LOCATION	BRIDGE No.	COUNTY	ROUTE	PM	COLD PLANE AC PAVEMENT	HMA (TYPE A)	TACK COAT (N)	SHOULDER RUMBLE STRIP (HMA GROUND-IN, INDENTATIONS)
					SQYD	TON	TON	STA
1	50-0478	Ker	14	35.40	804.0	135.7	0.34	4
2	50-0424	Ker	14	37.32	891.6	150.5	0.37	5
3	50-0282	Ker	58	R85.15	155.6	26.3	0.07	
4	50-0338	Ker	58	R95.21	213.3	36.0	0.09	
5	50-0201R	Ker	58	R107.60	491.7	83.0	0.21	2
TOTAL					2556.2	431.5	1.08	11

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

### PAVEMENT DELINEATION QUANTITIES

LOCATION	PAINT TRAFFIC STRIPE (2-COAT)					REMOVE PAVEMENT MARKER	PAVEMENT MARKER (RETROREFLECTIVE)	PAVEMENT MARKER (REFLECTIVE, RECESSED)
	DETAIL NUMBER							
	12 LF	21 LF	25 LF	27B LF	29 LF			
1	448			448	897	49	24	23
2	495			495	990	38	22	14
3		406						
4		500						
5	390		390	390		11	7	4
SUBTOTAL	1333	906	390	1333	1887			
TOTAL	5849					98	53	41

#### REMOVE PAINTED TRAFFIC STRIPE

LOCATIONS	LF
1-5	3621

#### TEMPORARY DRAINAGE INLET PROTECTION

LOCATION	EA
5	6

## SUMMARY OF QUANTITIES

NO SCALE Q-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** MAINTENANCE ENGINEERING  
 FUNCTIONAL SUPERVISOR JOHN FOX  
 CALCULATED/DESIGNED BY CHECKED BY  
 MONTASHEEMA AFROZE NICHOLAS SPRAGUE  
 REVISED BY DATE REVISED  
 MA 02-23-11  
 NS 06-06-11  
 NS 07-11-11



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Ker	14,58	Var	7	20

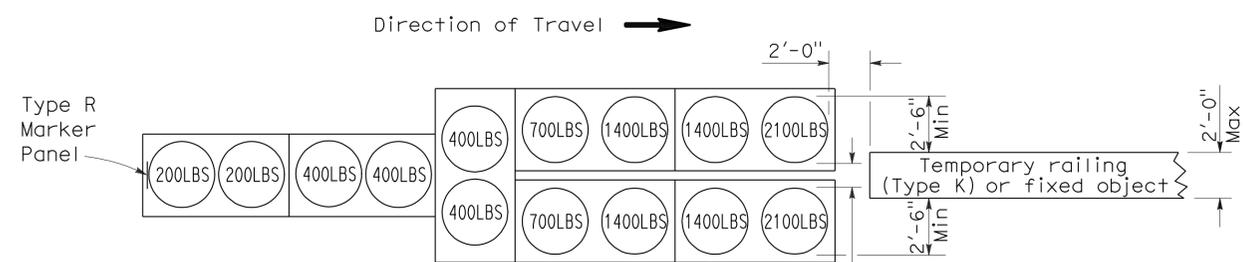
*Randell D. Hiatt*  
REGISTERED CIVIL ENGINEER

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.*

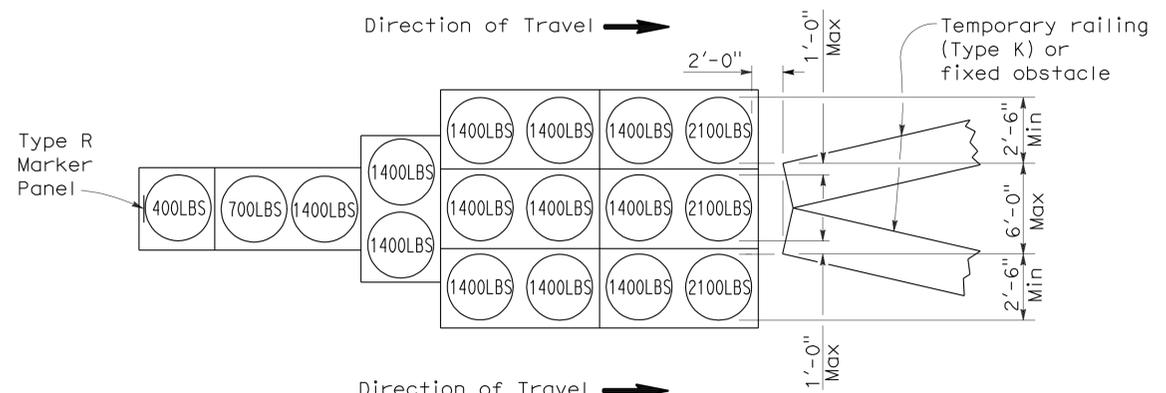
REGISTERED PROFESSIONAL ENGINEER  
Randell D. Hiatt  
No. C50200  
Exp. 6-30-09  
CIVIL  
STATE OF CALIFORNIA

To accompany plans dated 9-19-11



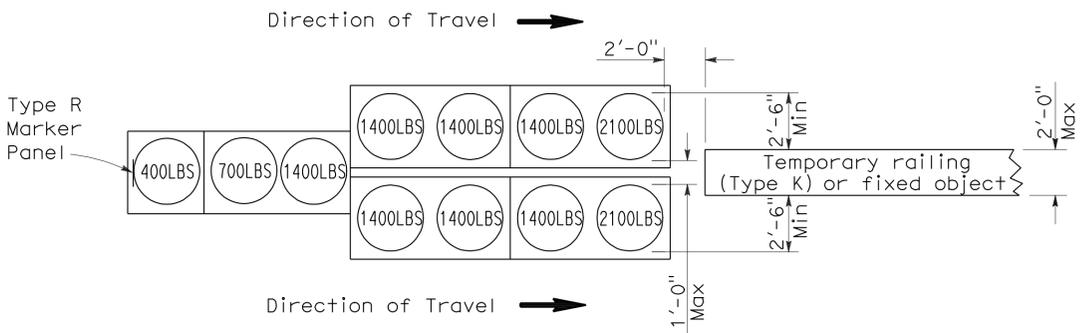
**ARRAY 'TU14'**

Approach speed 45 mph or more



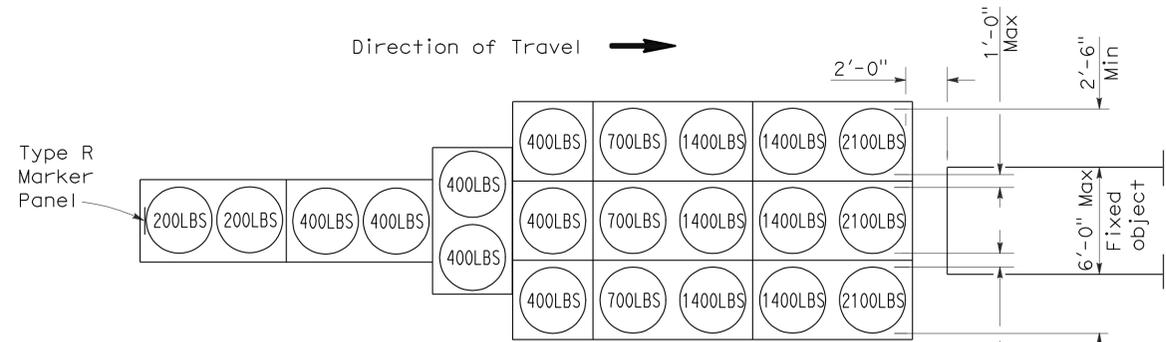
**ARRAY 'TU17'**

Approach speed less than 45 mph



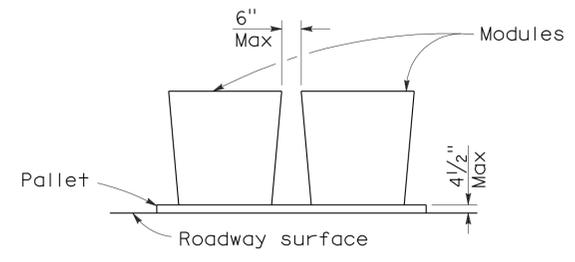
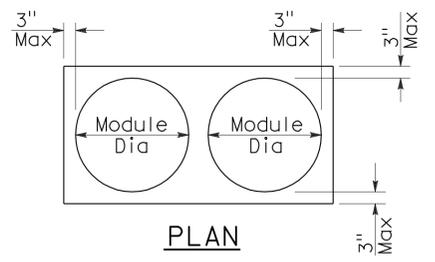
**ARRAY 'TU11'**

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**

2006 REVISED STANDARD PLAN RSP T1A

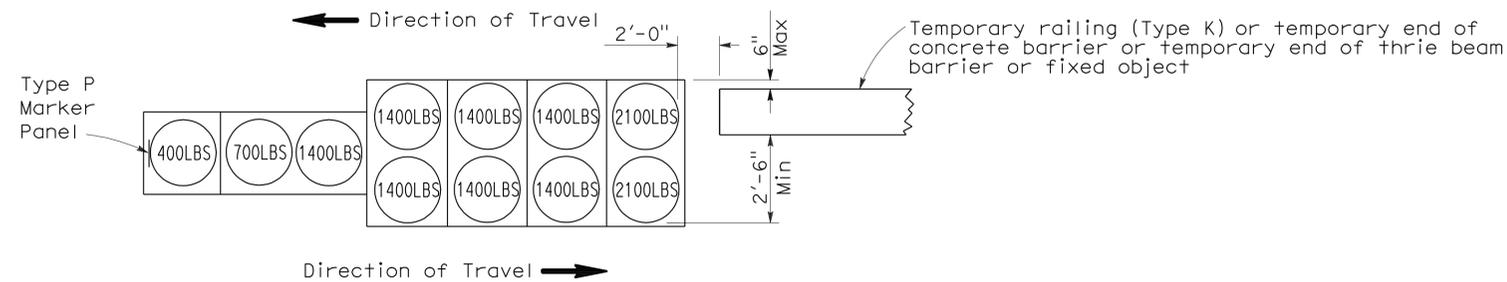
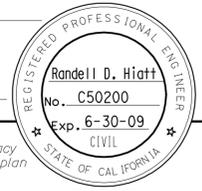
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Ker	14,58	Var	8	20

*Randell D. Hiatt*  
REGISTERED CIVIL ENGINEER

June 6, 2008  
PLANS APPROVAL DATE

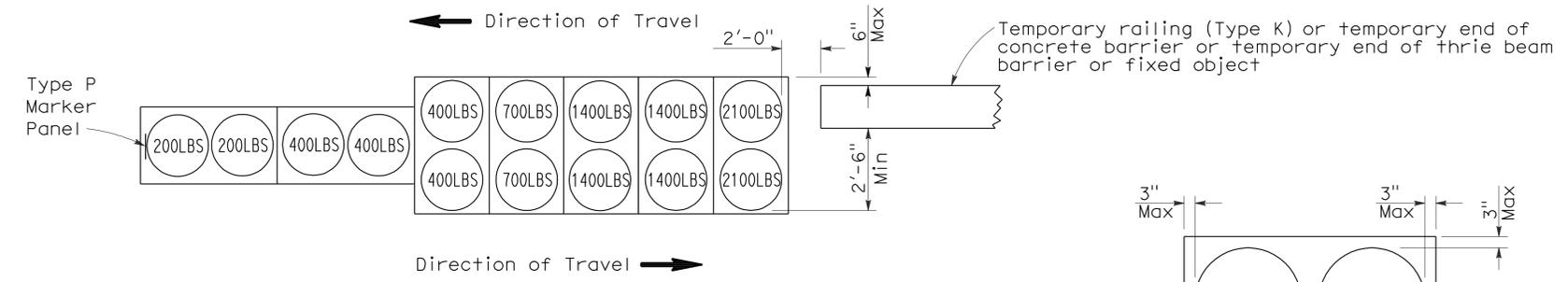
*The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.*

To accompany plans dated 9-19-11



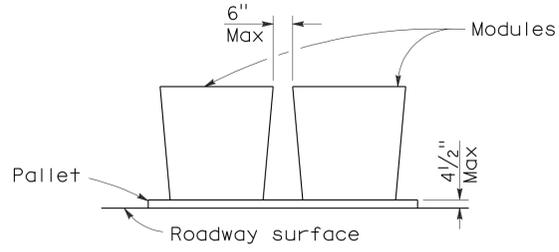
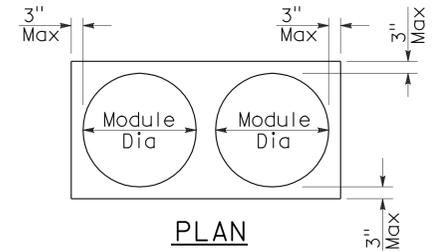
**ARRAY 'TB11'**

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

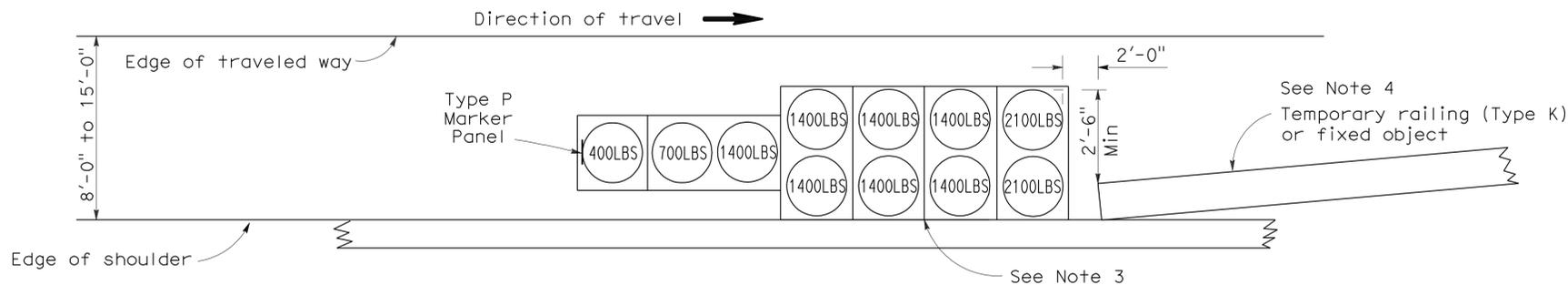
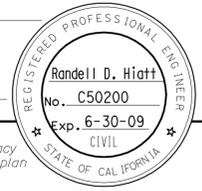
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Ker	14,58	Var	9	20

*Randell D. Hiatt*  
REGISTERED CIVIL ENGINEER

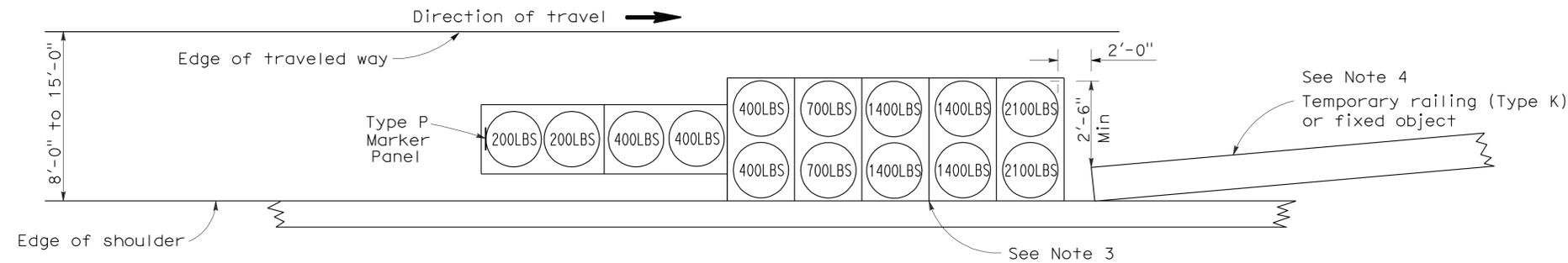
June 6, 2008  
PLANS APPROVAL DATE

*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.*

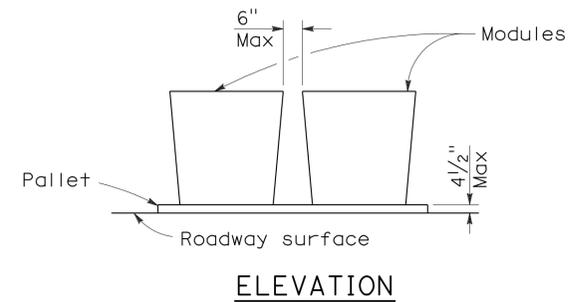
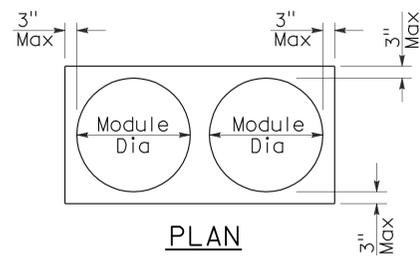
To accompany plans dated 9-19-11



**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

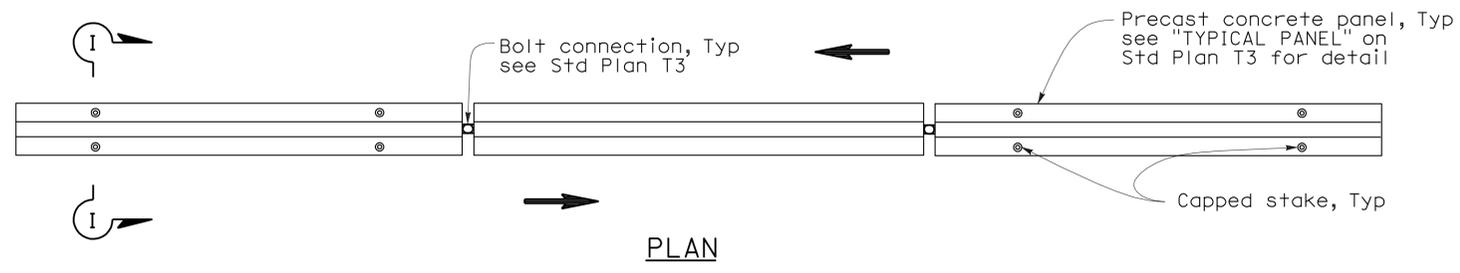
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Ker	14,58	Var	10	20

*Randell D. Hiatt*  
REGISTERED CIVIL ENGINEER

May 20, 2011  
PLANS APPROVAL DATE

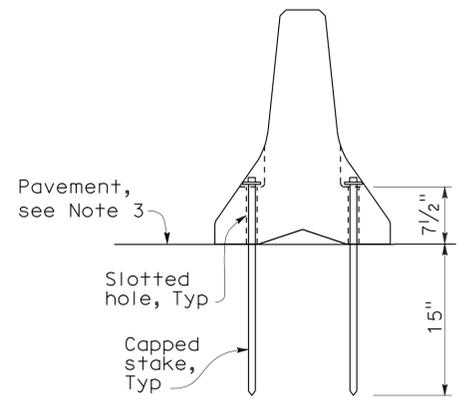
*The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.*

To accompany plans dated 9-19-11



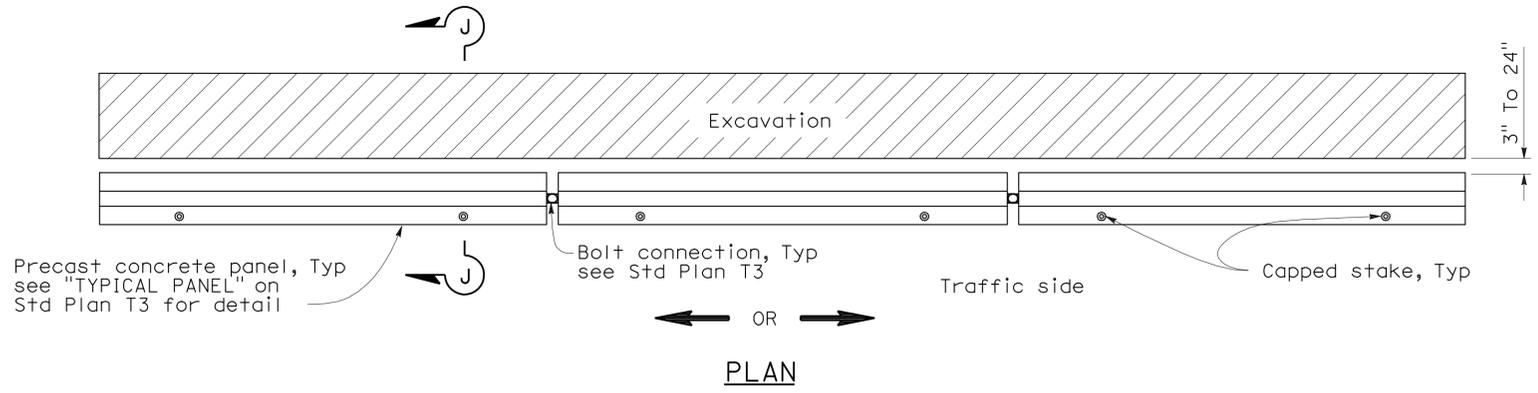
**RAILING STAKING CONFIGURATION FOR TWO-WAY TRAFFIC**

See Note 1



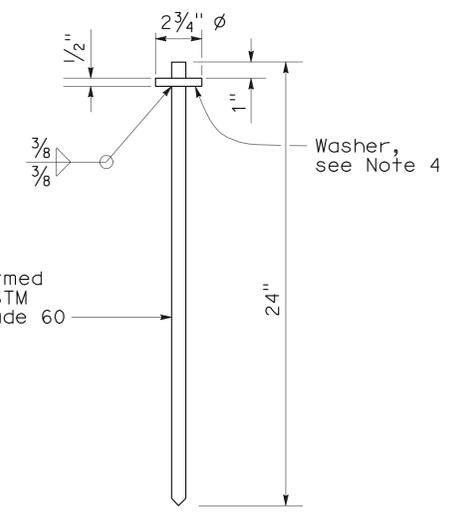
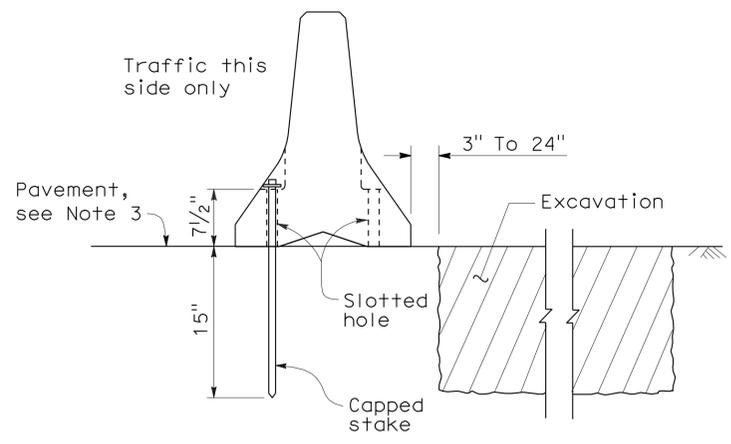
**NOTES:**

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



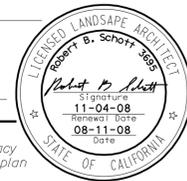
STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**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

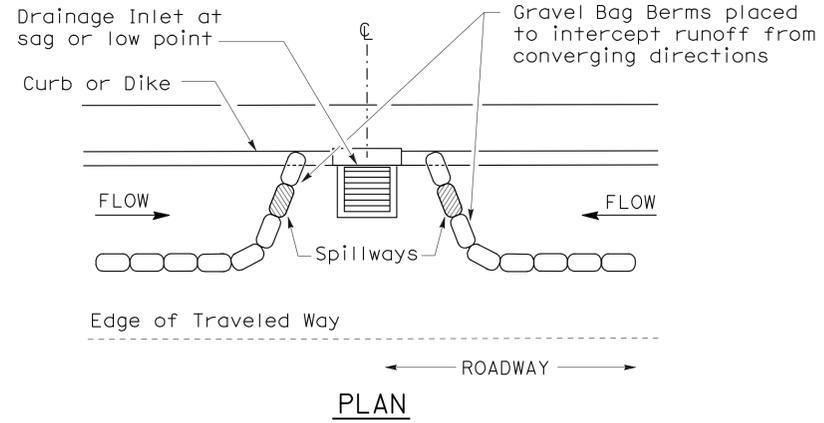


To accompany plans dated 9-19-11

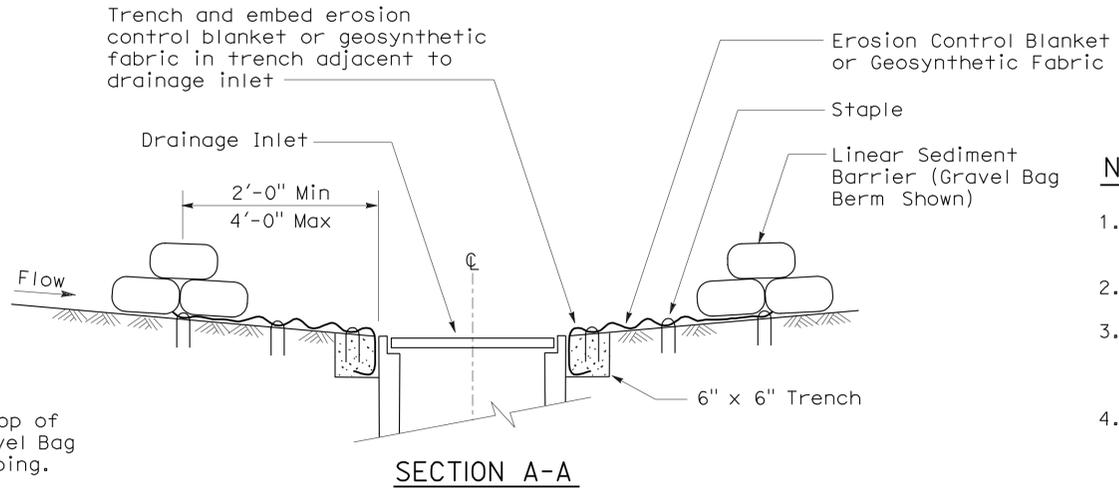
**GRAVEL BAG BERM (TYPE 3A) SPACING TABLE**

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



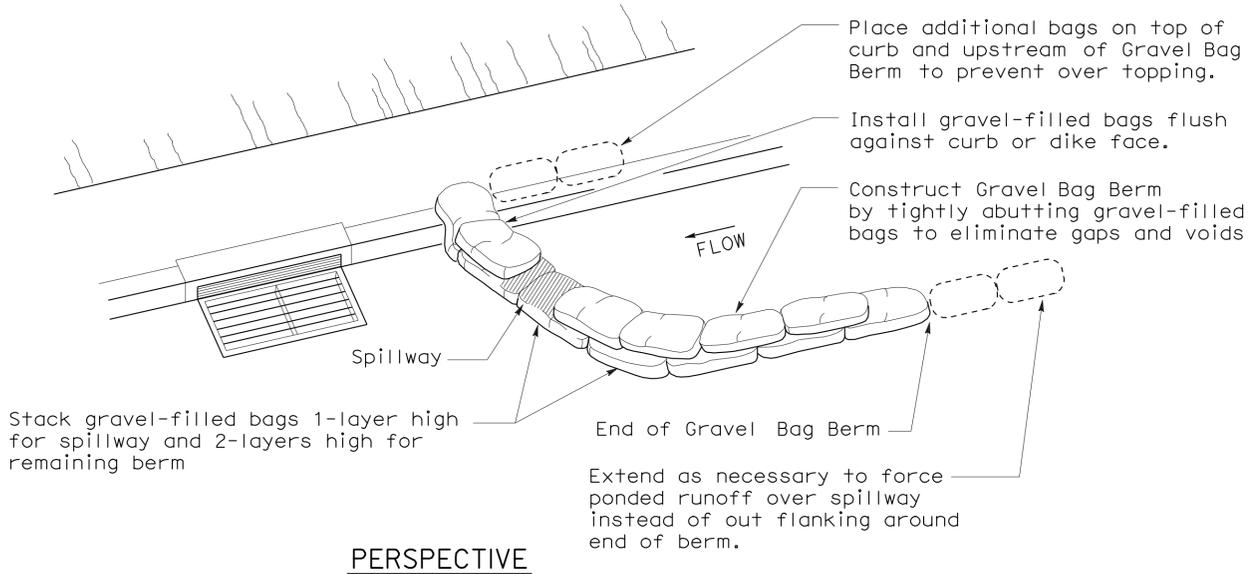
**PLAN**  
**CONFIGURATION FOR SAG POINT INLET (GRAVEL BAG BERM)**



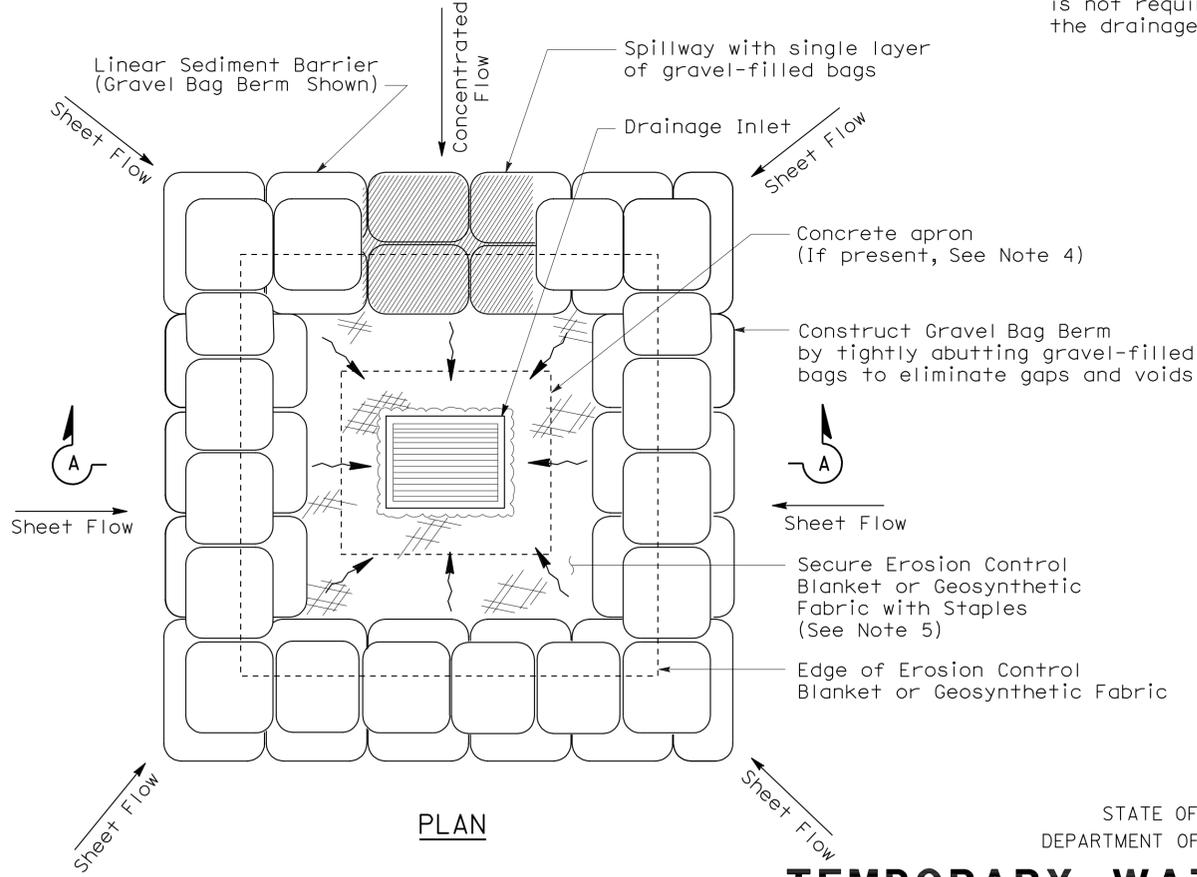
**SECTION A-A**

**NOTES:**

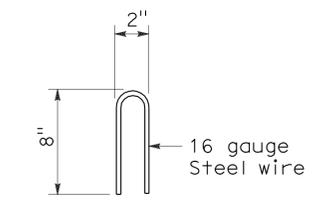
1. Place safety cones adjacent to drainage inlet protection.
2. Dimensions may vary to fit field conditions.
3. Install a minimum of 3 gravel bag berms upstream of each drainage inlet to be protected.
4. Position erosion control blanket or geosynthetic fabric at edge of concrete apron and secure in trench.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



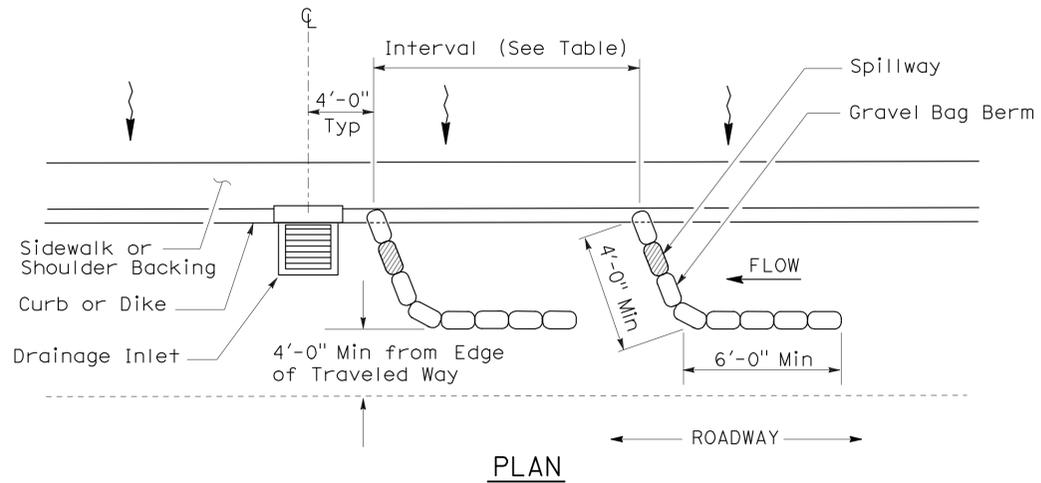
**PERSPECTIVE**



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



**STAPLE DETAIL**



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

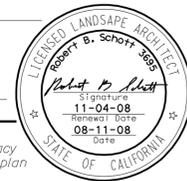
**TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY DRAINAGE INLET PROTECTION)**

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

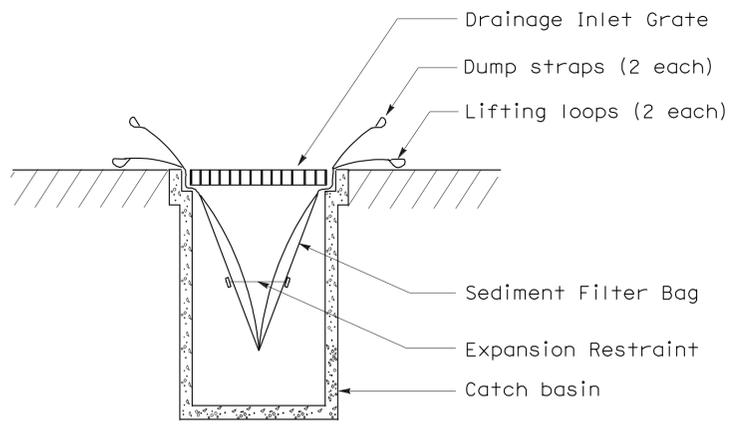
2006 NEW STANDARD PLAN NSP T62

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Ker	14,58	Var	12	20

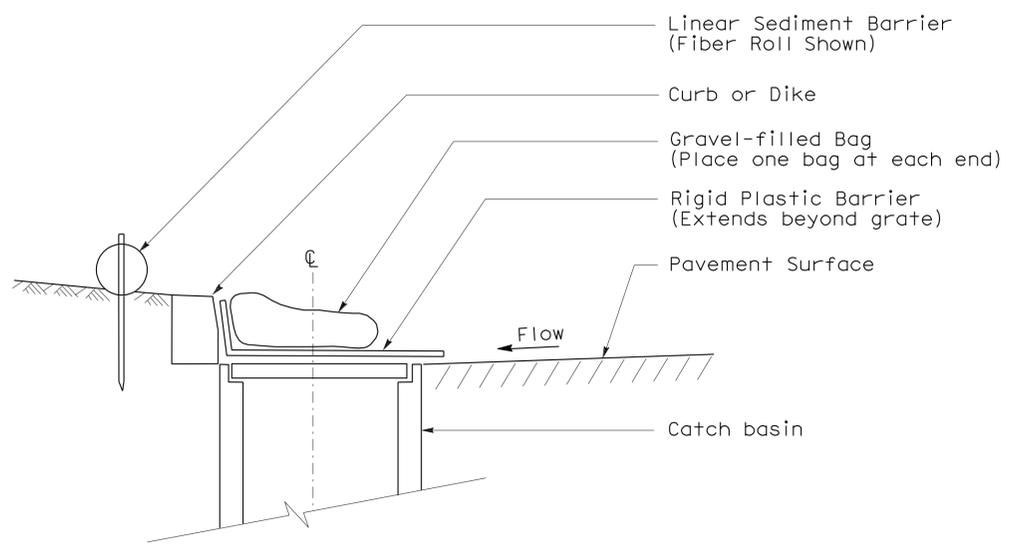
*Robert B. Schott*  
 LICENSED LANDSCAPE ARCHITECT  
 August 15, 2008  
 PLANS APPROVAL DATE  
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



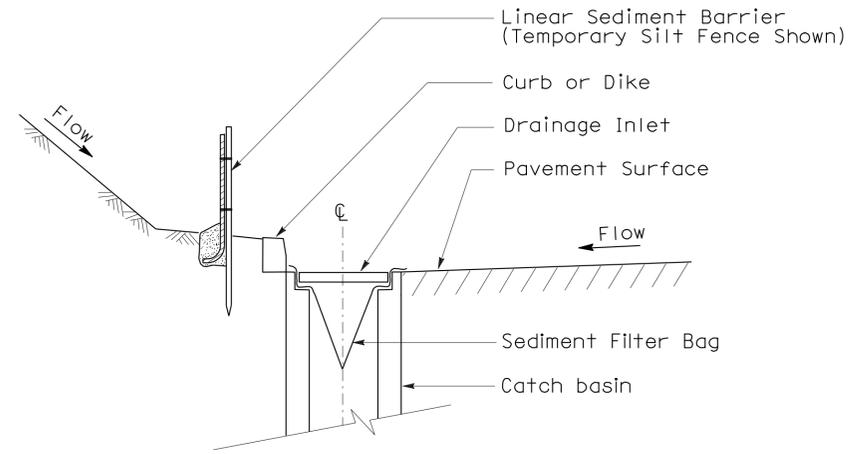
To accompany plans dated 9-19-11



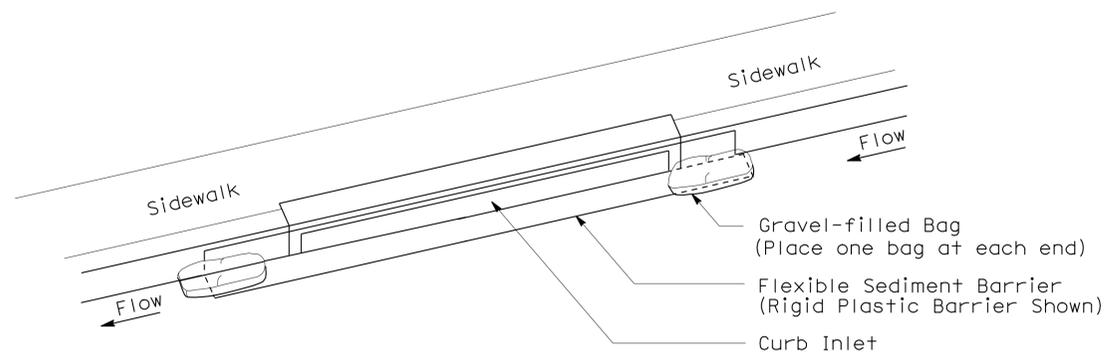
**SECTION B-B**  
**SEDIMENT FILTER BAG DETAIL**



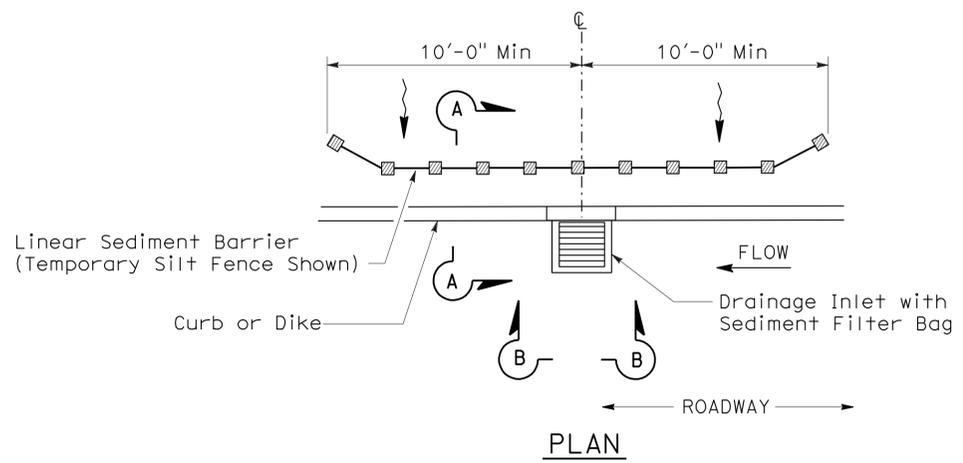
**SECTION**  
**TEMPORARY DRAINAGE**  
**INLET PROTECTION (TYPE 6A)**  
**(CATCH BASIN WITH GRATE)**



**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:**

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

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

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

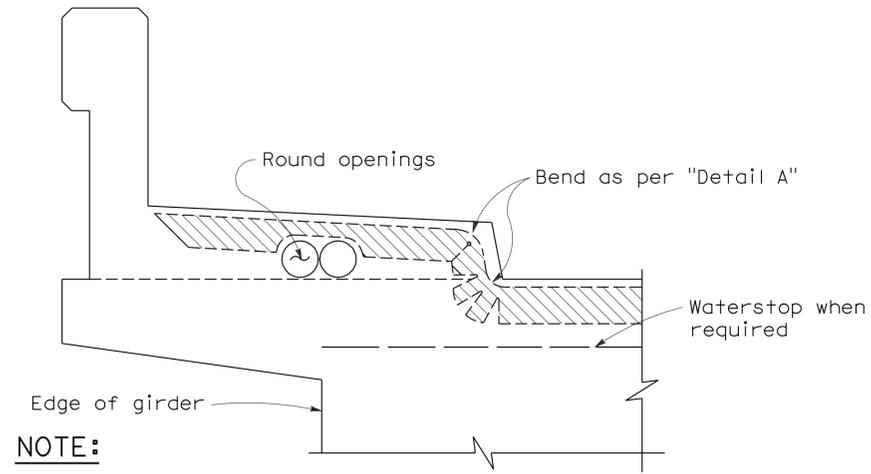
NO SCALE

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

**NEW STANDARD PLAN NSP T64**

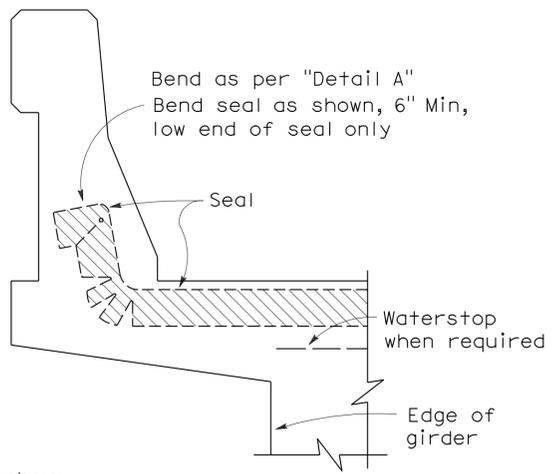
2006 NEW STANDARD PLAN NSP T64

To accompany plans dated 9-19-11

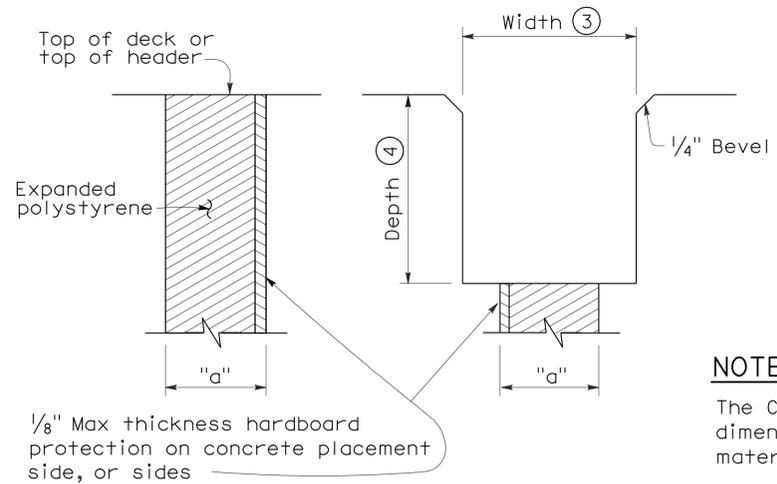


**NOTE:**  
 Type "B" seal shown. Type "A" seals to conform to the general path of seal shown, cuts for bending not required. Bend Type "A" seals 3" up into curb or barrier rail on only the low end of the seal.

**CONCRETE BARRIER AND SIDEWALK**



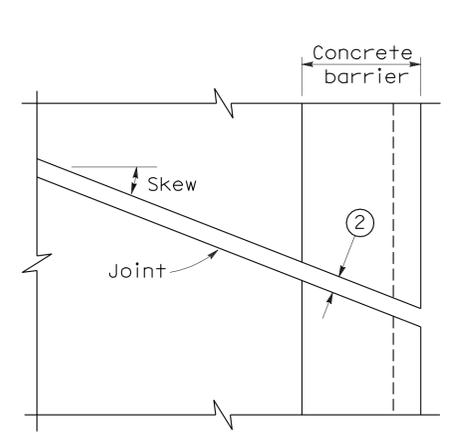
**CONCRETE BARRIER**



**FORMING DETAIL SAWCUT DETAIL**

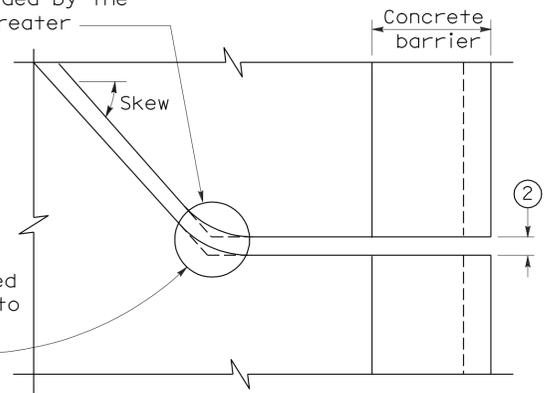
**NOTE:**  
 The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

**JOINT SEALS DETAILS**



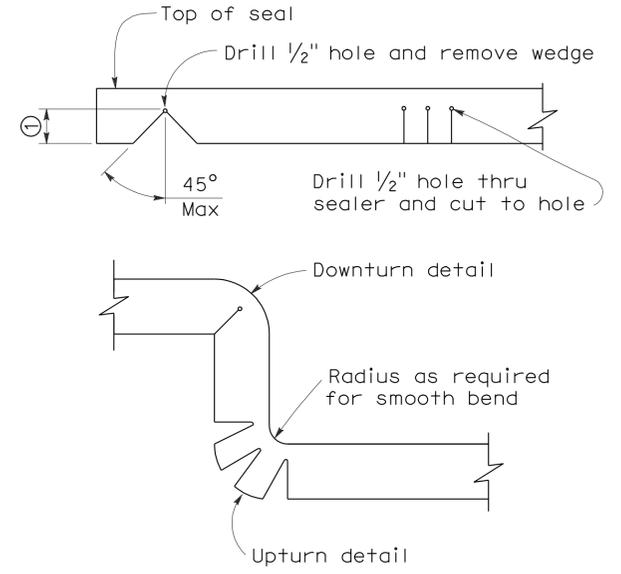
**PLAN OF JOINT (SKEW ≤ 20°)**

Min  $\phi$  radius to be 4 times uncompressed width of seal or as recommended by the manufacturer, whichever is greater



**PLAN OF JOINT (SKEW > 20°)**

In lieu of saw cutting, this area may be blocked out and reconstructed to match saw cutting on both sides.



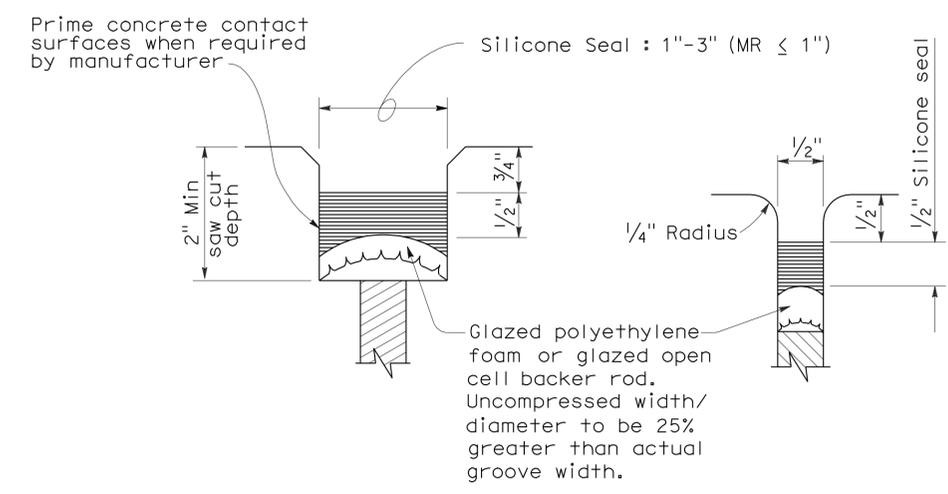
**DETAIL A**

- NOTES:**
- Make smooth cuts from the bottom of seal to 1 1/2" clear of top leaving at least one complete cell between the top of the cut and top of the seal. When necessary cut back of seal to clear conduit and round openings.
  - Opening in barrier to match width of sawn deck joint.
  - Sawcut groove widths shall be as ordered by the Engineer.
  - Depth of sawcut: Type A - Depth to be 2" minimum.  
 Type B - Depth to be equal to or greater than the depth of seal measured along the contact surface, when compressed to minimum width position (W<sub>2</sub>) plus dimensions shown.
  - MR (movement rating) as shown on other plan sheets.
  - Other depths must be approved by the Engineer.

**DIMENSIONS "a" OF JOINT REQUIRED**

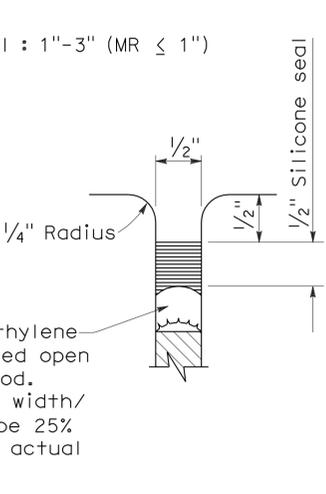
Movement Rating (MR) ⑤	Bridge Type	"a" Dimension		
		Deck Concrete Placed		
		Winter	Fall-Spring	Summer
2"	All except CIP/PS	1 1/2"	1 1/4"	3/4"
	CIP/PS	1 1/4"	1"	1/2"
1 1/2"	All except CIP/PS	1 1/4"	1"	1/2"
	CIP/PS	1"	3/4"	1/2"
1"	All except CIP/PS	1"	3/4"	1/2"
	CIP/PS	3/4"	1/2"	1/2"
1/2"	All except CIP/PS	3/4"	3/4"	1/2"
	CIP/PS	1/2"	1/2"	1/2"

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
**JOINT SEALS**  
**(MAXIMUM MOVEMENT RATING = 2")**  
 NO SCALE



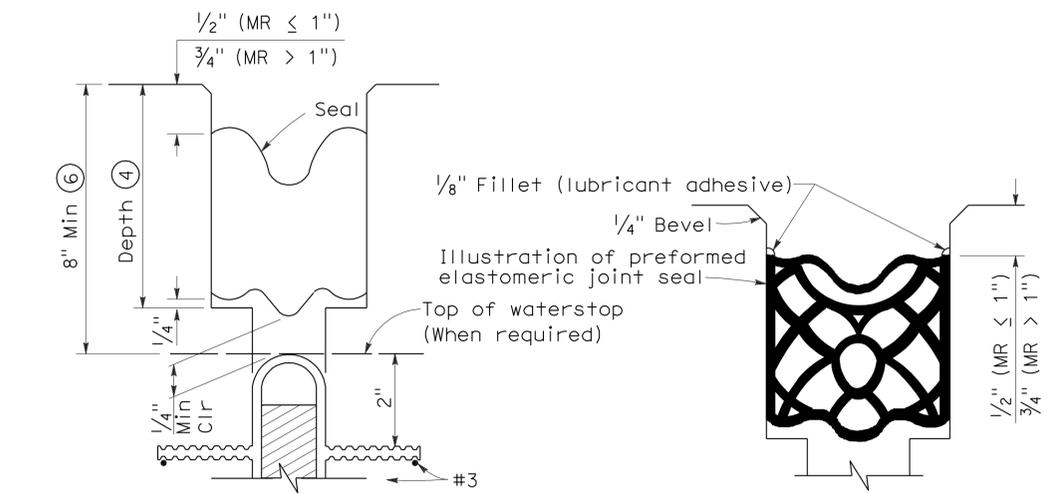
**TYPE A SEAL**

Movement rating : Silicone = 1" Max



**TYPE AL SEAL**

Longitudinal joints only



**TYPE B JOINT SEAL IN MINIMUM WIDTH POSITION (W<sub>2</sub>)**

**TYPE B SEAL**

Movement Rating ≤ 2"

RSP B6-21 DATED OCTOBER 5, 2007 SUPERSEDES STANDARD PLAN B6-21 DATED MAY 1, 2006 - PAGE 258 OF THE STANDARD PLANS BOOK DATED MAY 2006.

**REVISED STANDARD PLAN RSP B6-21**

2006 REVISED STANDARD PLAN RSP B6-21

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Ker	14,58	Var	14	20

Arlene Frank 6-30-11  
 REGISTERED CIVIL ENGINEER DATE  
 9-19-11  
 PLANS APPROVAL DATE  
 No. C 55562  
 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 electronic copies of this plan sheet.

NOTE: (APPLY TO ALL SHEETS)

----- INDICATES EXISTING

THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

**STANDARD PLANS DATED MAY 2006**

SHEET No.	TITLE
A10A	ACRONYMS AND ABBREVIATIONS (SHEET 1 OF 2)
A10B	ACRONYMS AND ABBREVIATIONS (SHEET 2 OF 2)
RSP B6-21	JOINT SEALS (MAXIMUM MOVEMENT RATING = 2")

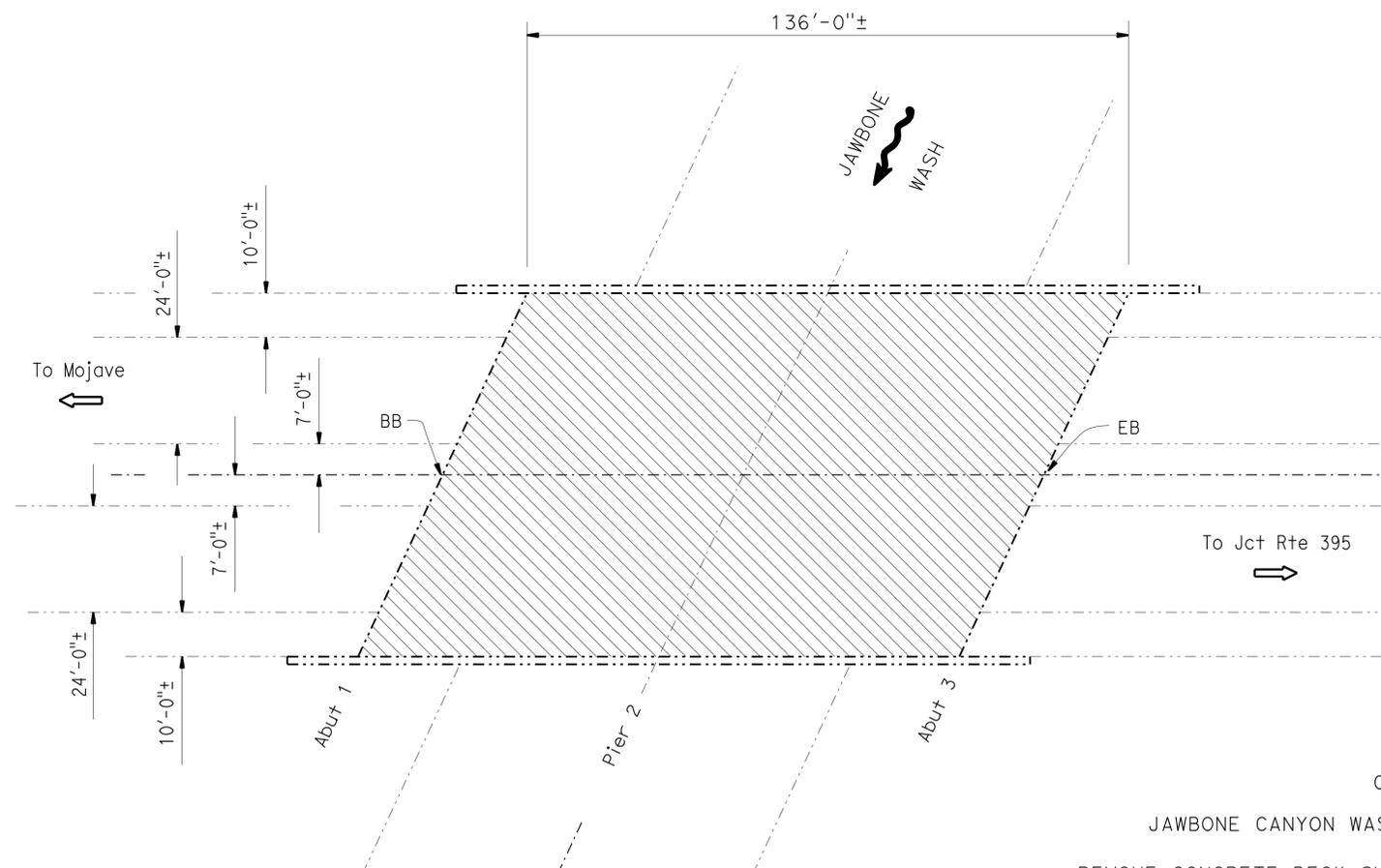
NOTE: (APPLY TO THIS SHEET ONLY)



INDICATES LIMITS OF REMOVE 1/2" CONCRETE DECK SURFACE, PREPARE BRIDGE DECK SURFACE, FURNISH AND PLACE NEW 1" MINIMUM DEPTH POLYESTER CONCRETE OVERLAY. PRIOR TO PLACING NEW POLYESTER CONCRETE OVERLAY, REMOVE UNSOUND CONCRETE AND PATCH WITH RAPID SETTING CONCRETE, AS SHOWN ON "DECK REPAIR DETAIL-OVERLAY".

**INDEX TO PLANS**

SHEET No.	TITLE
1	GENERAL PLAN No. 1
2	GENERAL PLAN No. 2
3	GENERAL PLAN No. 3
4	GENERAL PLAN No. 4
5	JOINT SEAL DETAILS No. 1
6	JOINT SEAL DETAILS No. 2
7	MISCELLANEOUS DETAILS



**JAWBONE CANYON WASH**  
 Br No. 50-0478, ROUTE 14, PM 35.40  
 1" = 20'

**QUANTITIES**

DESCRIPTION	QUANTITY	UNIT
REMOVE CONCRETE DECK SURFACE	11,152	SQFT
REMOVE UNSOUND CONCRETE	28	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	11,152	SQFT
RAPID SETTING CONCRETE (PATCH)	28	CF
FURNISH POLYESTER CONCRETE OVERLAY	1,115	CF
PLACE POLYESTER CONCRETE OVERLAY	11,152	SQFT

JAWBONE CANYON WASH BRIDGE No. 50-0478

**GENERAL NOTES  
LOAD FACTOR DESIGN**

DESIGN: BRIDGE DESIGN SPECIFICATIONS (1996 AASHTO WITH INTERIMS AND REVISIONS BY CALTRANS)

DEAD LOAD: INCLUDES 35 psf FOR FUTURE WEARING SURFACE.

LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD.

REINFORCED CONCRETE: fy = 60,000 psi  
f'c = 3600 psi  
n = 8

6-30-11  
 DESIGN ENGINEER

DESIGN	BY A. Frank	CHECKED M. Hashimoto
DETAILS	BY David Kish	CHECKED M. Hashimoto
QUANTITIES	BY A. Frank	CHECKED M. Hashimoto

LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
LAYOUT	BY David Kish
SPECIFICATIONS	BY Mingxia Pan

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE  
 STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	VARIOUS
POST MILE	VARIES

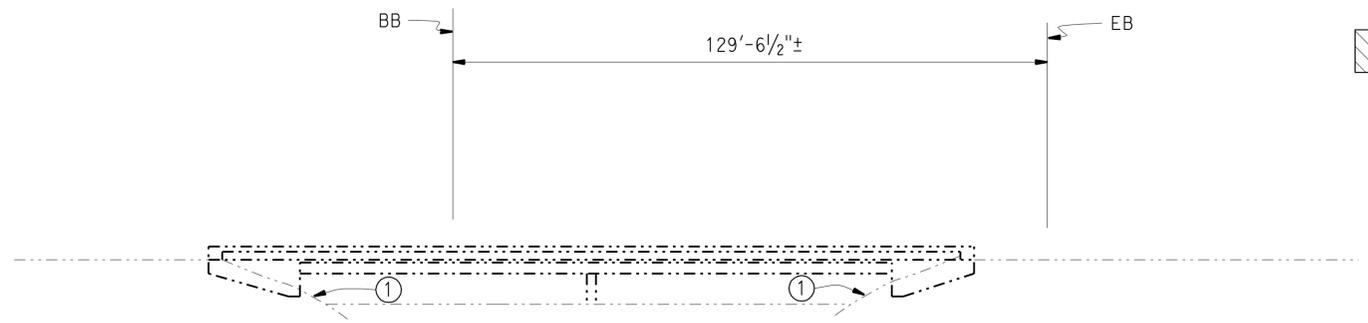
**ROUTE 14 AND 58 BRIDGES**  
**GENERAL PLAN No. 1**

USERNAME => s128843 DATE PLOTTED => 22-SEP-2011 TIME PLOTTED => 16:46

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Ker	14,58	Var	15	20
<i>Arlene Frank</i> 6-30-11 REGISTERED CIVIL ENGINEER DATE			ARLENE FRANK No. C 55562 Exp. 12-31-12 CIVIL STATE OF CALIFORNIA		
9-19-11 PLANS APPROVAL DATE					
<small>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.</small>					

NOTE: (APPLY TO THIS SHEET ONLY)

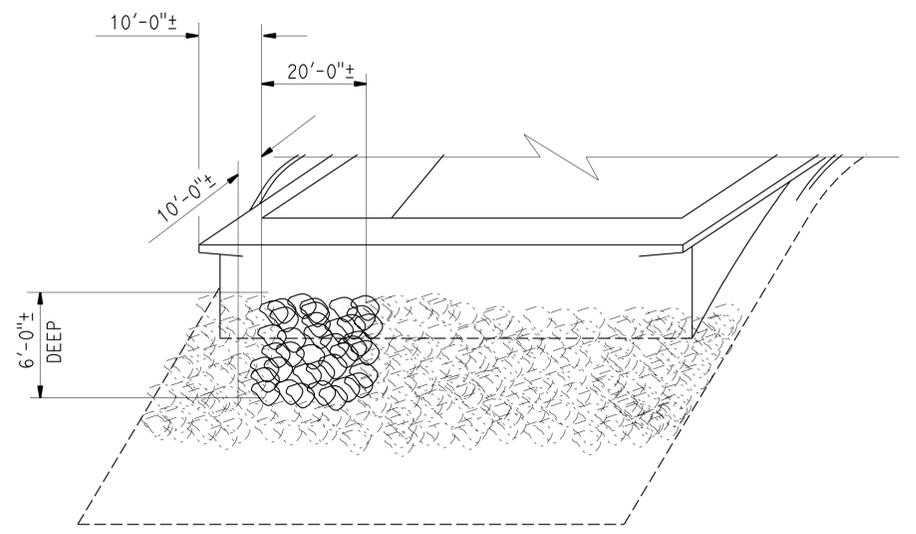
INDICATES LIMITS OF REMOVE 1/2" CONCRETE DECK SURFACE, PREPARE BRIDGE DECK SURFACE, FURNISH AND PLACE NEW 1" MINIMUM DEPTH POLYESTER CONCRETE OVERLAY. PRIOR TO PLACING NEW POLYESTER CONCRETE OVERLAY, REMOVE UNSOUND CONCRETE AND PATCH WITH RAPID SETTING CONCRETE, AS SHOWN ON "DECK REPAIR DETAIL-OVERLAY".



**ELEVATION**

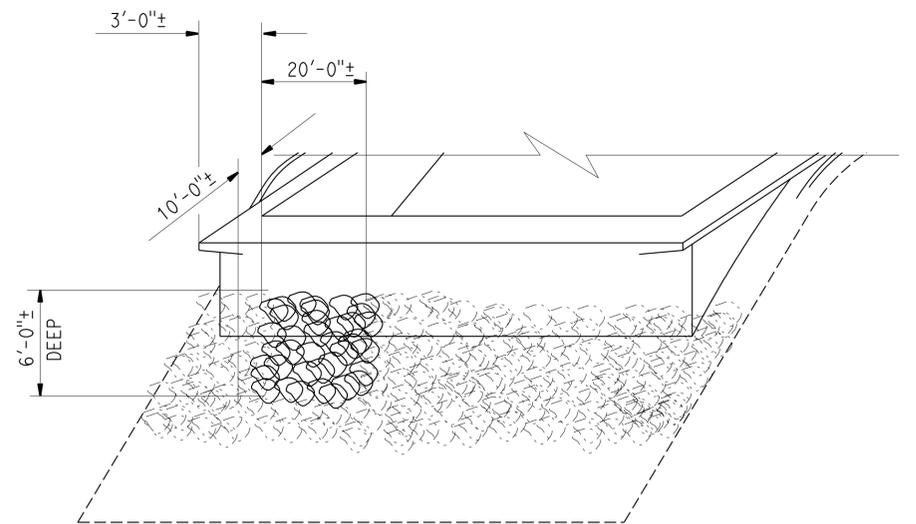
1" = 20'

① PLACE NEW 2 TON ROCK SLOPE PROTECTION (2T, METHOD A) IN VOIDS AND LOCATIONS DESIGNATED BY THE ENGINEER. LIMITS OF NEW ROCK SHALL BE WITHIN THE LENGTH OF THE ABUTMENTS.



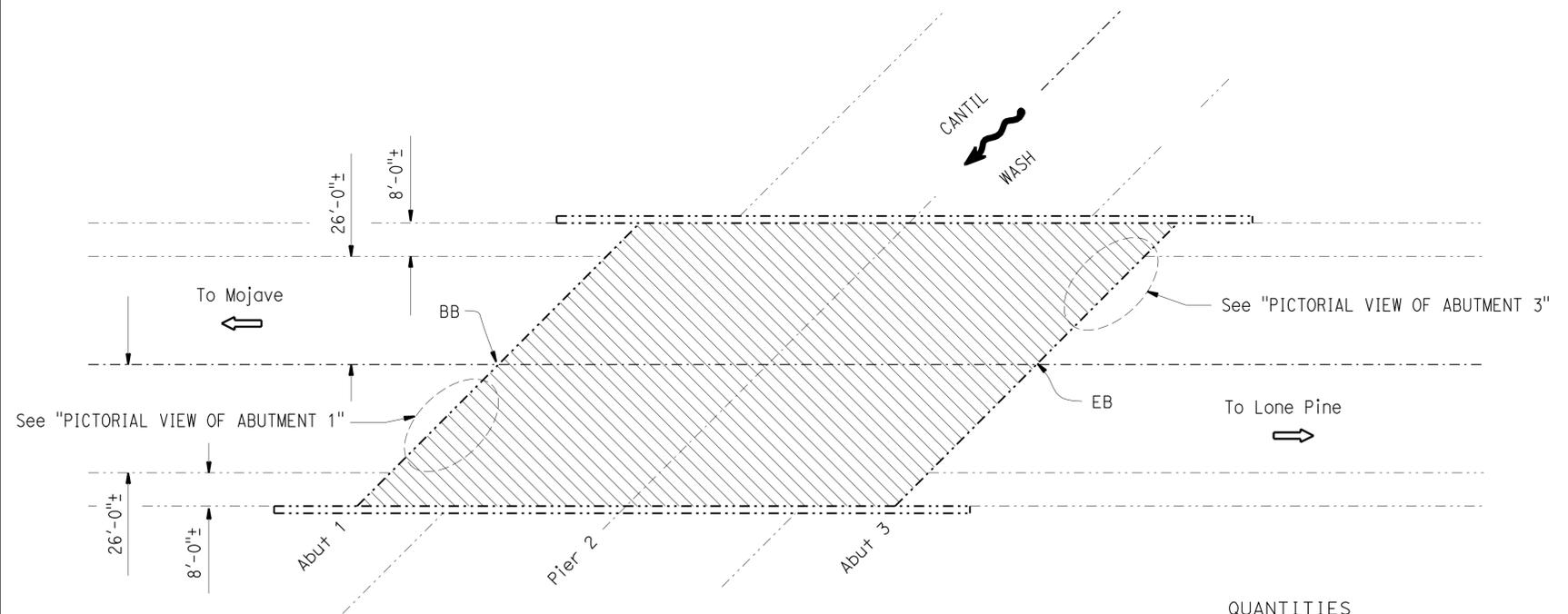
**PICTORIAL VIEW OF ABUTMENT 1**

NO SCALE



**PICTORIAL VIEW OF ABUTMENT 3**

NO SCALE



**PLAN**

1" = 20'

**QUANTITIES**

CANTIL WASH	BRIDGE No. 50-0424
REMOVE CONCRETE DECK SURFACE	8,809 SQFT
REMOVE UNSOUND CONCRETE	22 CF
PREPARE CONCRETE BRIDGE DECK SURFACE	8,809 SQFT
RAPID SETTING CONCRETE (PATCH)	22 CF
FURNISH POLYESTER CONCRETE OVERLAY	881 CF
PLACE POLYESTER CONCRETE OVERLAY	8,809 SQFT
ROCK SLOPE PROTECTION (2T, METHOD A)	89 CY

Br No. 50-0424, ROUTE 14, PM 37.32



*Matthew Cole* 6-30-11  
 DESIGN ENGINEER

DESIGN	BY A. Frank	CHECKED M. Hashimoto
DETAILS	BY David Kish	CHECKED M. Hashimoto
QUANTITIES	BY A. Frank	CHECKED M. Hashimoto

LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
LAYOUT	BY David Kish
SPECIFICATIONS	BY Mingxia Pan

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE  
 STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIOUS  
 POST MILE VARIES  
**ROUTE 14 AND 58 BRIDGES**  
**GENERAL PLAN No. 2**

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Ker	14,58	Var	16	20

Arlene Frank 6-30-11  
 REGISTERED CIVIL ENGINEER DATE

9-19-11  
 PLANS APPROVAL DATE

No. C 55562  
 Exp. 12-31-12  
 CIVIL

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.

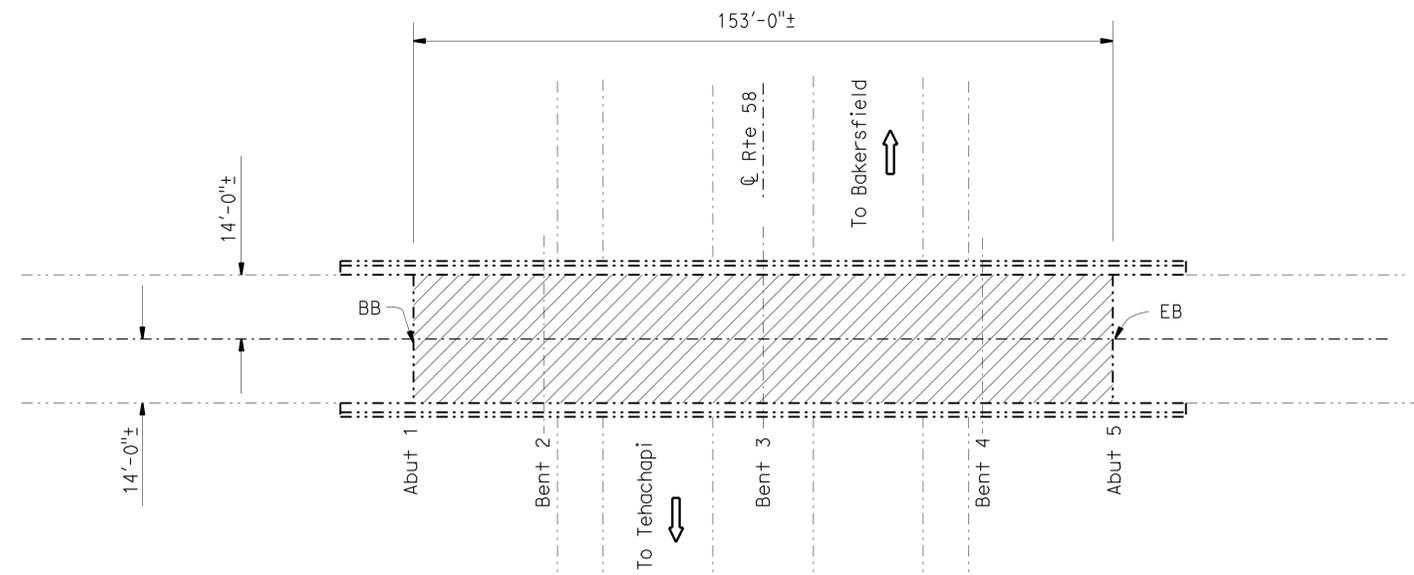
NOTES: (APPLY TO THIS SHEET ONLY)



INDICATES LIMITS OF PREPARE BRIDGE DECK SURFACE, FURNISH AND PLACE NEW 3/4" MINIMUM DEPTH POLYESTER CONCRETE OVERLAY. PRIOR TO PLACING NEW POLYESTER CONCRETE OVERLAY, REMOVE UNSOUND CONCRETE AND PATCH WITH RAPID SETTING CONCRETE, AS SHOWN ON "DECK REPAIR DETAIL-OVERLAY".



INDICATES LIMITS OF REMOVE 2 1/4"± CONCRETE BRIDGE DECK SURFACE. PREPARE CONCRETE BRIDGE DECK SURFACE, CLEAN REBARS AND REMOVE LOOSE AGGREGATE AND UNSOUND CONCRETE. PLACE NEW 2 1/2" DEPTH STRUCTURAL CONCRETE. PREPARE NEW BRIDGE DECK SURFACE, FURNISH AND PLACE NEW 3/4" MINIMUM DEPTH POLYESTER CONCRETE OVERLAY. SEE "MISCELLANEOUS DETAILS" FOR DETAILS.

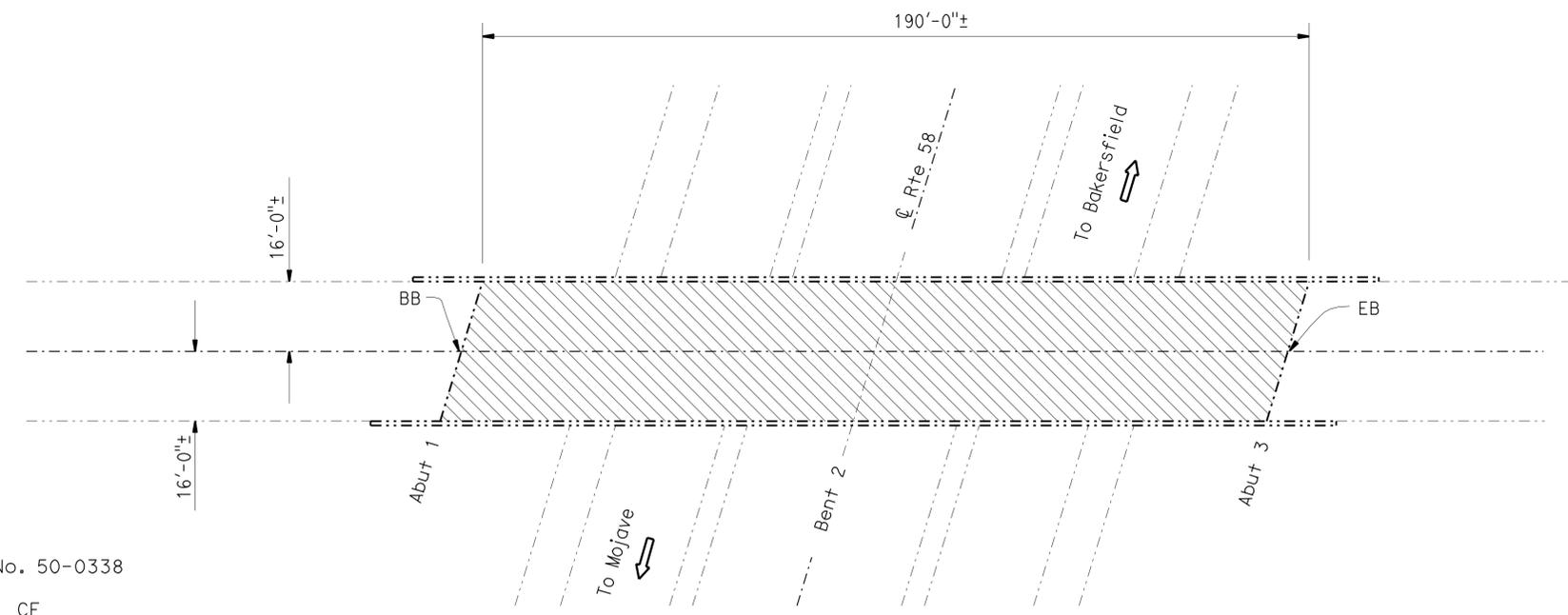


**BROOME ROAD OVERCROSSING**

Br No. 50-0282, ROUTE 58, PM R85.15  
1" = 20'

QUANTITIES

BROOME ROAD OVERCROSSING	BRIDGE No. 50-0282		
REMOVE CONCRETE DECK SURFACE (HYDRODEMO)	4,284	SQFT	
REMOVE UNSOUND CONCRETE	4	CF	
PREPARE CONCRETE BRIDGE DECK SURFACE	8,568	SQFT	
STRUCTURAL CONCRETE, BRIDGE	33	CY	
FURNISH POLYESTER CONCRETE OVERLAY	321	CF	
PLACE POLYESTER CONCRETE OVERLAY	4,284	SQFT	



**WILLOW SPRINGS ROAD OVERCROSSING**

Br No. 50-0338, ROUTE 58, PM R95.21  
1" = 20'

QUANTITIES

WILLOW SPRINGS ROAD OVERCROSSING	BRIDGE No. 50-0338		
REMOVE UNSOUND CONCRETE	15	CF	
PREPARE CONCRETE BRIDGE DECK SURFACE	6,080	SQFT	
RAPID SETTING CONCRETE (PATCH)	15	CF	
FURNISH POLYESTER CONCRETE OVERLAY	456	CF	
PLACE POLYESTER CONCRETE OVERLAY	6,080	SQFT	



  
 6-30-11  
 DESIGN ENGINEER

DESIGN	BY A. Frank	CHECKED M. Hashimoto
DETAILS	BY David Kish	CHECKED M. Hashimoto
QUANTITIES	BY A. Frank	CHECKED M. Hashimoto

LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
LAYOUT	BY David Kish
SPECIFICATIONS	BY Mingxia Pan

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE  
 STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	VARIOUS
POST MILE	VARIES

**ROUTE 14 AND 58 BRIDGES  
GENERAL PLAN No. 3**

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)

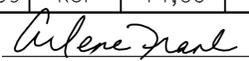
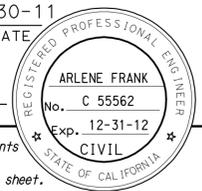
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS



UNIT: 3488  
 PROJECT NUMBER & PHASE: 0900020068-1  
 CONTRACT NO.: 09-349101

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES	SHEET	OF
1-24-11 2-08-11 5-04-11	3	7

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Ker	14,58	Var	17	20
 REGISTERED CIVIL ENGINEER			6-30-11	DATE	
PLANS APPROVAL DATE			9-19-11		
					
<small>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.</small>					

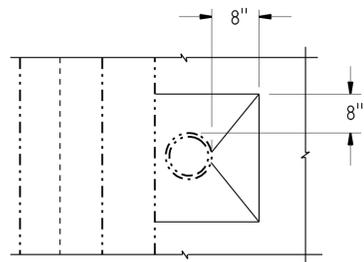
NOTES: (APPLY TO THIS SHEET ONLY)



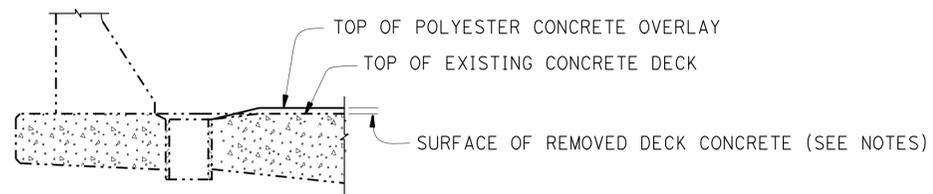
INDICATES LIMITS OF REMOVE 1/2" CONCRETE DECK SURFACE, PREPARE BRIDGE DECK SURFACE, FURNISH AND PLACE NEW 1" MINIMUM DEPTH POLYESTER CONCRETE OVERLAY. PRIOR TO PLACING NEW POLYESTER CONCRETE OVERLAY, REMOVE UNSOUND CONCRETE AND PATCH WITH RAPID SETTING CONCRETE, AS SHOWN ON "DECK REPAIR DETAIL-OVERLAY".



INDICATES LIMITS OF EXISTING JOINT SEAL REMOVAL AND PLACEMENT OF NEW JOINT SEAL. PRIOR TO PLACEMENT OF NEW JOINT SEAL, REPAIR JOINT SPALLS AS DETERMINED BY THE ENGINEER.



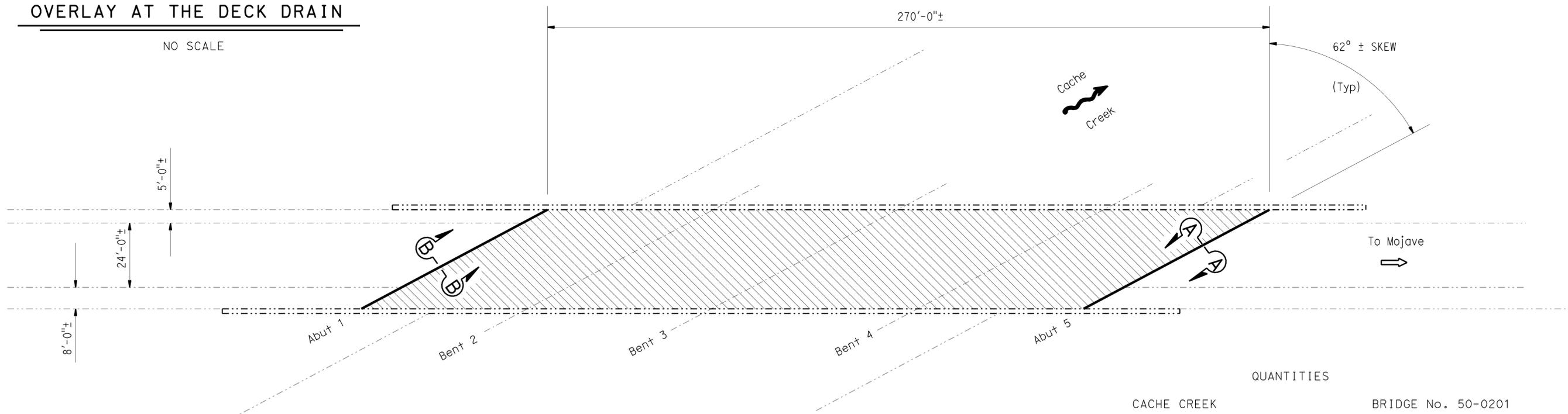
PLAN



SECTION

OVERLAY AT THE DECK DRAIN

NO SCALE



NOTE: FOR SECTION A-A AND SECTION B-B, SEE "JOINT SEAL DETAILS No. 2" SHEET.



CACHE CREEK

Br No. 50-0201R, ROUTE 58, PM R107.60  
1" = 20'

QUANTITIES

CACHE CREEK		BRIDGE No. 50-0201
REMOVE CONCRETE DECK SURFACE	9,990	SQFT
REMOVE UNSOUND CONCRETE	50	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	9,990	SQFT
BRIDGE REMOVAL (PORTION)		LUMP SUM
STRUCTURAL CONCRETE, BRIDGE	1.5	CY
CLEAN EXPANSION JOINT	160	LF
RAPID SETTING CONCRETE (PATCH)	50	CF
FURNISH POLYESTER CONCRETE OVERLAY	999	CF
PLACE POLYESTER CONCRETE OVERLAY	9,990	SQFT
JOINT SEAL (MR 1")	160	LF

 6-30-11  
DESIGN ENGINEER

DESIGN	BY A. Frank	CHECKED M. Hashimoto
DETAILS	BY David Kish	CHECKED M. Hashimoto
QUANTITIES	BY A. Frank	CHECKED M. Hashimoto

LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
LAYOUT	BY David Kish
SPECIFICATIONS	BY Mingxia Pan

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE  
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	VARIOUS
POST MILE	VARIES

ROUTE 14 AND 58 BRIDGES  
GENERAL PLAN No. 4

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

UNIT: 3488  
PROJECT NUMBER & PHASE: 0900020068-1 CONTRACT NO.: 09-349101

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES	SHEET	OF
3-18-11 5-04-11	4	7

NOTE:  
 ----- INDICATES EXISTING

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Ker	14,58	Var	18	20

Arlene Frank 6-30-11  
 REGISTERED CIVIL ENGINEER DATE

9-19-11  
 PLANS APPROVAL DATE

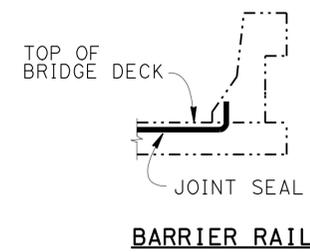
REGISTERED PROFESSIONAL ENGINEER  
 ARLENE FRANK  
 No. C 55562  
 Exp. 12-31-12  
 CIVIL  
 STATE OF CALIFORNIA

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

JOINT SEAL TABLE							
BRIDGE NUMBER	BRIDGE NAME	LOCATION		MINIMUM "MR" (INCHES)	APPROXIMATE LENGTH (FEET)	EXISTING WATERSTOP	Approx DEPTH TO CLEAN Exp JOINT (INCHES)
		Abut 1	BW				
50-0201R	CACHE CREEK	Abut 1	BW	1	79.9	No	48
		Abut 5	BW	1	79.9	No	48

NOTE: ALL SEALS SHALL BE TYPE B

LEGEND:  
 BW = ABUTMENT BACKWALL JOINT



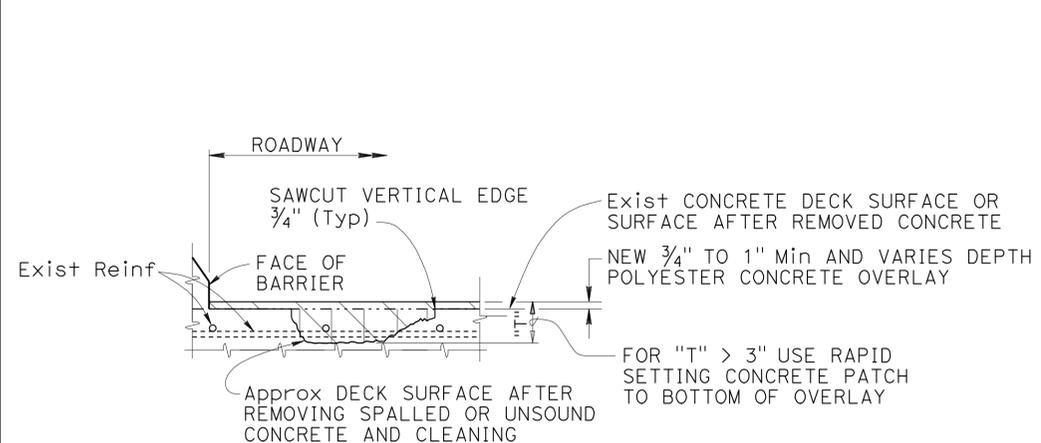
**JOINT SEAL AT LOW SIDE OF DECK**

NOTE: DETAILS SHOWN FOR ILLUSTRATION PURPOSES ONLY.  
 FOR USE ONLY WHERE DECK JOINT MATCHES THE SIDEWALK, CURB OR BARRIER RAIL JOINT.

- THE FOLLOWING NOTES APPLY TO JOINT SEAL TYPE B:
- SEAL MUST SATISFY BOTH MINIMUM MOVEMENT RATING (MR) AND MINIMUM W1 REQUIREMENTS.
  - MINIMUM W1 IS THE CALCULATED MAXIMUM WIDTH OF THE JOINT BASED ON FIELD MEASUREMENTS. AFTER THE JOINTS HAVE BEEN CLEANED, MINIMUM W1 IS TO BE CALCULATED BY THE ENGINEER.
  - W1 SHALL BE THE SMALLER OF THE VALUES DETERMINED AS FOLLOWS:
    - 0.85 TIMES THE MANUFACTURER'S DESIGNED MINIMUM UNCOMPRESSED WIDTH OF THE SEAL.
    - THE WIDTH OF THE SEAL ON THE THIRD SUCCESSIVE TEST CYCLE OF THE PRESSURE DEFLECTION TEST, WHEN COMPRESSED TO AN AVERAGE PRESSURE OF 3 PSI.
  - BEND TYPE B JOINT SEAL 6" UP INTO CURB OR RAIL ON THE LOW SIDE OF THE DECK WHERE DECK JOINT MATCHES CURB OR RAIL JOINT.
  - FOR DETAILS NOT SHOWN, SEE .

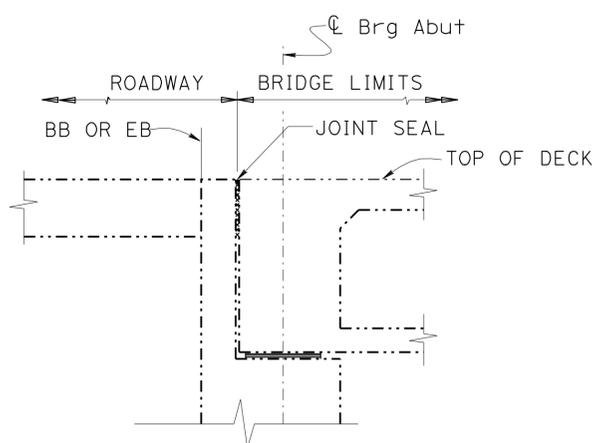
DECK REPAIR TABLE					
BRIDGE NUMBER	BRIDGE NAME	DECK DAMAGE (%)	DEPTH OF DAMAGE (INCHES)	UNSOUD CONCRETE (CF)	RAPID SETTING PATCH (CF)
50-0478	JAWBONE CANYON WASH	1.0	3	27.9	27.9
50-0424	CANTIL WASH	1.0	3	22.0	22.0
50-0282	BROOME ROAD OVERCROSSING	1.0	1	3.6	0.0
50-0338	WILLOW SPRINGS ROAD OVERCROSSING	1.0	3	15.0	15.0
50-0201R	CACHE CREEK	2.0	3	50.0	50.0

NOTE: ENGINEER SHALL DETERMINE LOCATION OF REPAIR.

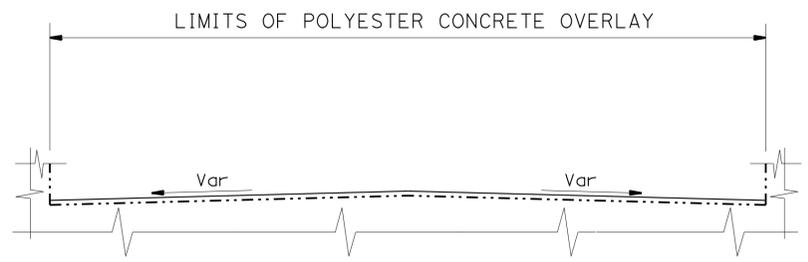


**DECK REPAIR DETAIL-OVERLAY**

NOTE: REINFORCEMENT MAY BE ENCOUNTERED DURING DECK CONCRETE REMOVAL.



**BACK WALL ABUTMENT JOINT SEAL LOCATION**



**DECK OVERLAY-CROWN**

NOTE: OVERLAY WILL PARALLEL EXISTING SLOPE

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)	DESIGN	BY A. Frank	CHECKED M. Hashimoto	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 14 AND 58 BRIDGES JOINT SEAL DETAILS No. 1
	DETAILS	BY David Kish	CHECKED M. Hashimoto			VARIOUS	
	QUANTITIES	BY A. Frank	CHECKED M. Hashimoto			VARIES	

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS  
 0 1 2 3

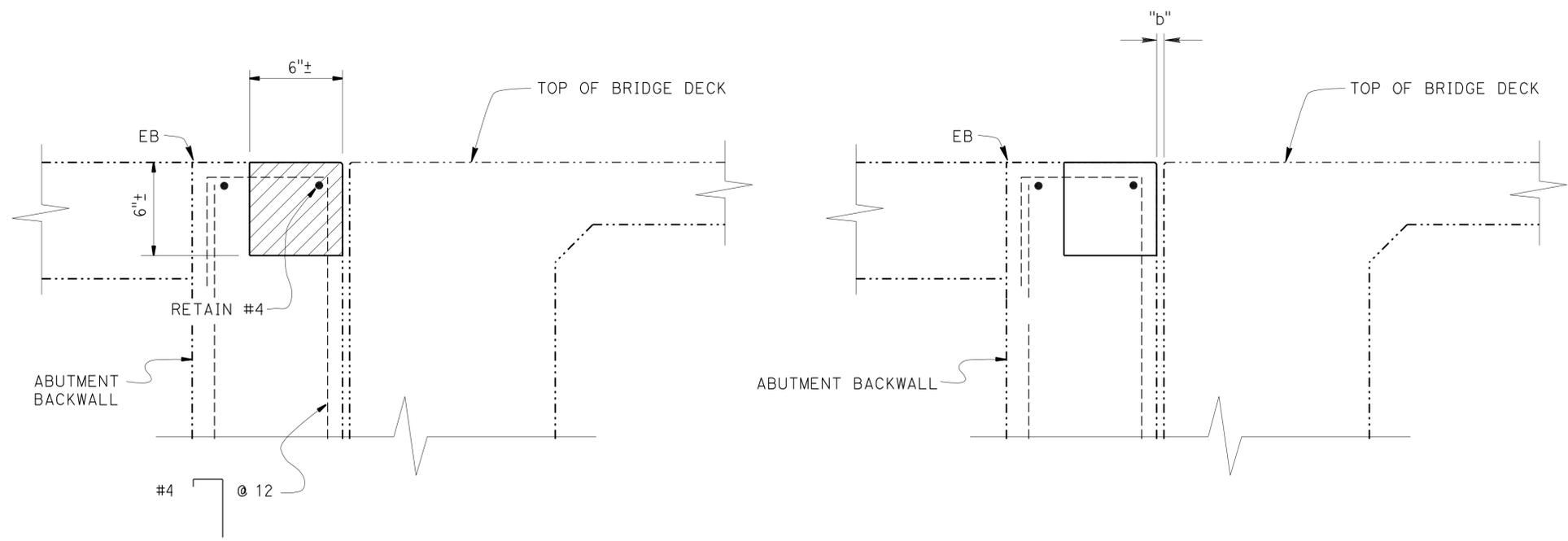
UNIT: 3488  
 PROJECT NUMBER & PHASE: 0900020068-1  
 CONTRACT NO.: 09-349101

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES	SHEET	OF
2-28-11 3-29-11 5-04-11	5	7

USERNAME => s128843 DATE PLOTTED => 22-SEP-2011 TIME PLOTTED => 16:46  
 FILE => 09-349101\_05det.dgn

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Ker	14,58	Var	19	20
<i>Arlene Frank</i> REGISTERED CIVIL ENGINEER			6-30-11	DATE	
9-19-11			PLANS APPROVAL DATE		
REGISTERED PROFESSIONAL ENGINEER <b>ARLENE FRANK</b> No. C 55562 Exp. 12-31-12 CIVIL STATE OF CALIFORNIA					
<small>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.</small>					



EXISTING

RECONSTRUCTION

SECTION A-A

Br No. 50-0201R  
NO SCALE

NOTES: (APPLY TO THIS SHEET ONLY)

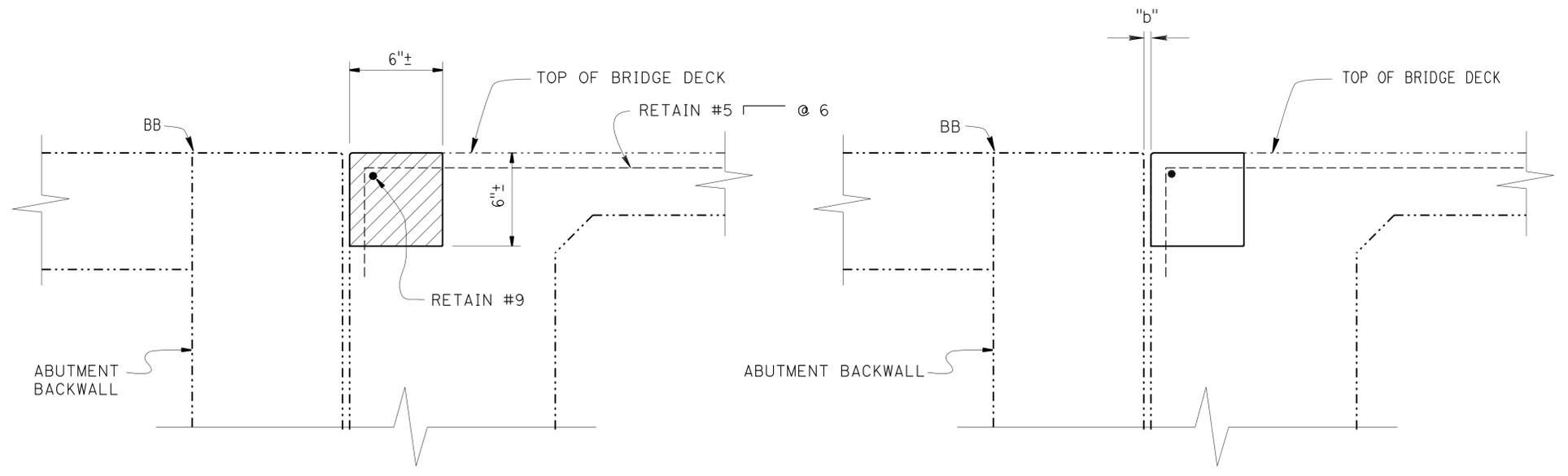
INDICATES LIMITS OF REMOVE EXISTING CONCRETE AND JOINT SEAL. RETAIN EXISTING REINFORCING STEEL (EXCEPT WHERE NOTED OTHERWISE).

"b" RECONSTRUCTED GAP WIDTH AS DETERMINED BY THE ENGINEER.

TEMPORARY DECK PLATE		
MOMENT DEMAND/FOOT $\left(\frac{\text{kip-ft}}{\text{ft}}\right)$	BOLT SHEAR/FOOT $\left(\frac{\text{kip}}{\text{ft}}\right)$	BOLT TENSION (kip)
16	9	10

NOTES:

1. PLATE DEFLECTION SHALL NOT EXCEED  $s/300$  [in]. ( $s$  = SPAN)
2. MINIMUM PLATE THICKNESS SHALL BE EQUAL OR GREATER THAN  $7/8$ ".
3. MAXIMUM ANCHORAGE SPACING SHALL NOT EXCEED 9".
4. ANCHORAGE WASHER SHALL BE NEOPRENE OR SIMILAR.



EXISTING

RECONSTRUCTION

SECTION B-B

Br No. 50-0201R  
NO SCALE

DESIGN	BY A. Frank	CHECKED M. Hashimoto
DETAILS	BY David Kish	CHECKED M. Hashimoto
QUANTITIES	BY A. Frank	CHECKED M. Hashimoto

**STATE OF CALIFORNIA**  
DEPARTMENT OF TRANSPORTATION

**DIVISION OF MAINTENANCE**  
**STRUCTURE MAINTENANCE DESIGN**

BRIDGE NO.	VARIOUS
POST MILE	VARIES

**ROUTE 14 AND 58 BRIDGES**  
**JOINT SEAL DETAILS No. 2**

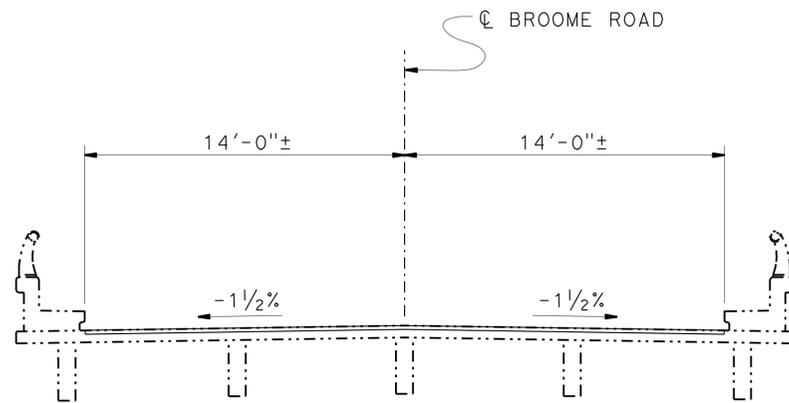
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Ker	14,58	Var	20	20
<i>Arlene Frank</i> 6-30-11 REGISTERED CIVIL ENGINEER DATE			REGISTERED PROFESSIONAL ENGINEER No. C 55562 Exp. 12-31-12 CIVIL STATE OF CALIFORNIA		
9-19-11 PLANS APPROVAL DATE					
<small>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.</small>					

NOTES: (APPLY TO THIS SHEET ONLY)



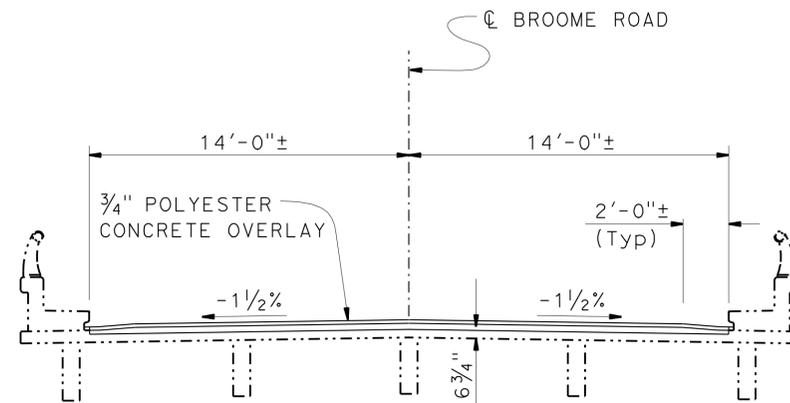
INDICATES LIMITS OF REMOVE CONCRETE BRIDGE DECK (PORTION). REMOVE UNSOUND CONCRETE.

- ① DECK CONCRETE REMOVAL SHALL REMOVE 1/4" DEPTH OF CONCRETE BELOW TOP MAT REINFORCEMENT. RETAIN AND CLEAN ALL REINFORCEMENTS.
- ② NEW DECK CONCRETE SHALL COVER TOP MAT REINFORCEMENT A MINIMUM OF 2".
- ③ DECK SURFACE FOR POLYESTER CONCRETE OVERLAY REMOVE 1/4" CONCRETE.



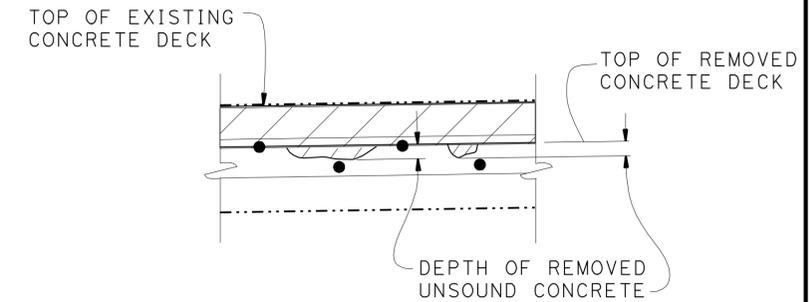
TYPICAL SECTION

1/4" = 1'-0"



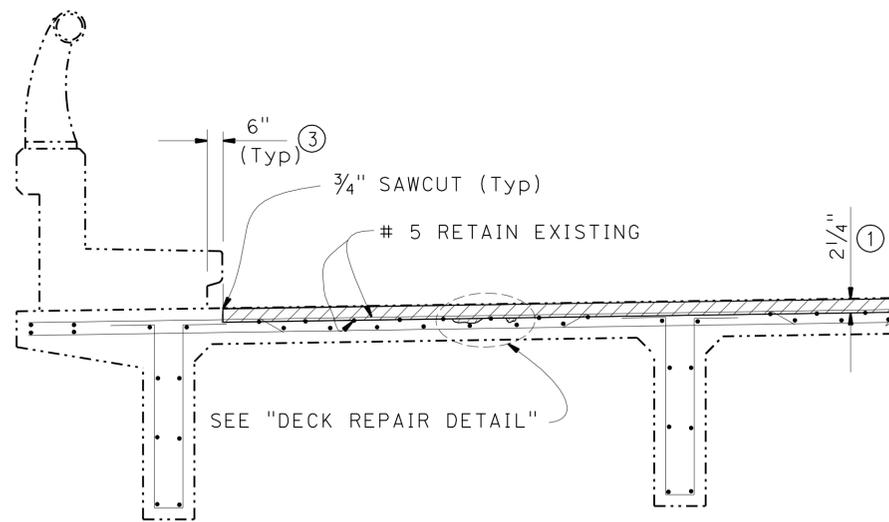
TYPICAL SECTION

1/4" = 1'-0"



DECK REPAIR DETAIL

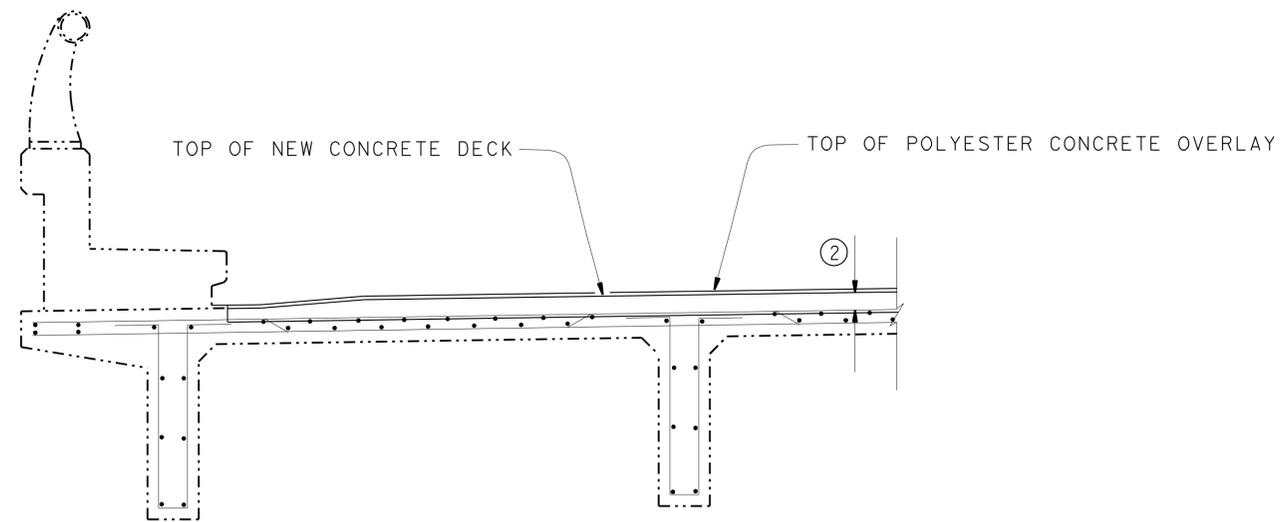
NOTE: REINFORCEMENT MAY BE ENCOUNTERED DURING DECK CONCRETE REMOVAL.



PART TYPICAL SECTION

3/4" = 1'-0"

EXISTING



PART TYPICAL SECTION

3/4" = 1'-0"

RECONSTRUCTION

DESIGN	BY A. Frank	CHECKED M. Hashimoto
DETAILS	BY David Kish	CHECKED M. Hashimoto
QUANTITIES	BY A. Frank	CHECKED M. Hashimoto

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE  
STRUCTURE MAINTENANCE  
DESIGN

BRIDGE NO.	VARIOUS
POST MILE	VARIES

ROUTE 14 AND 58 BRIDGES  
MISCELLANEOUS DETAILS