

INDEX OF PLANS

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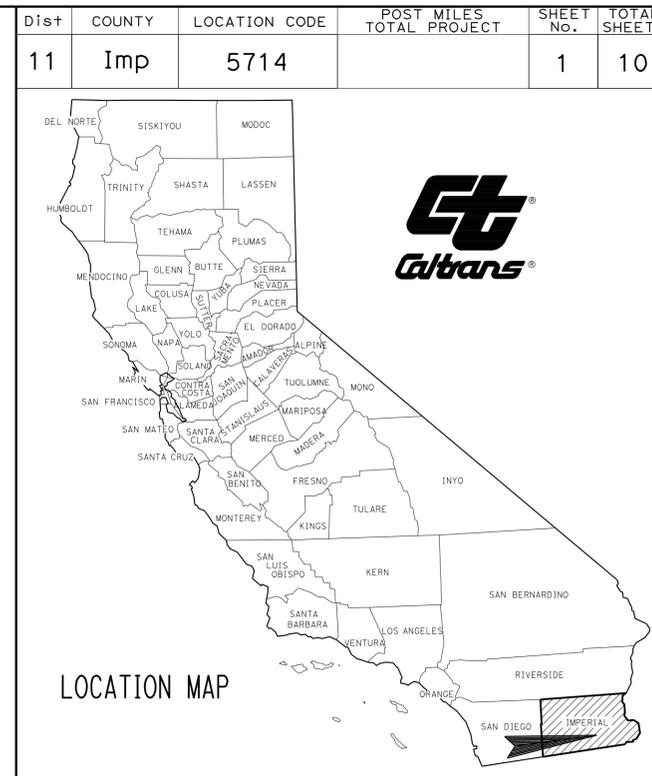
THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

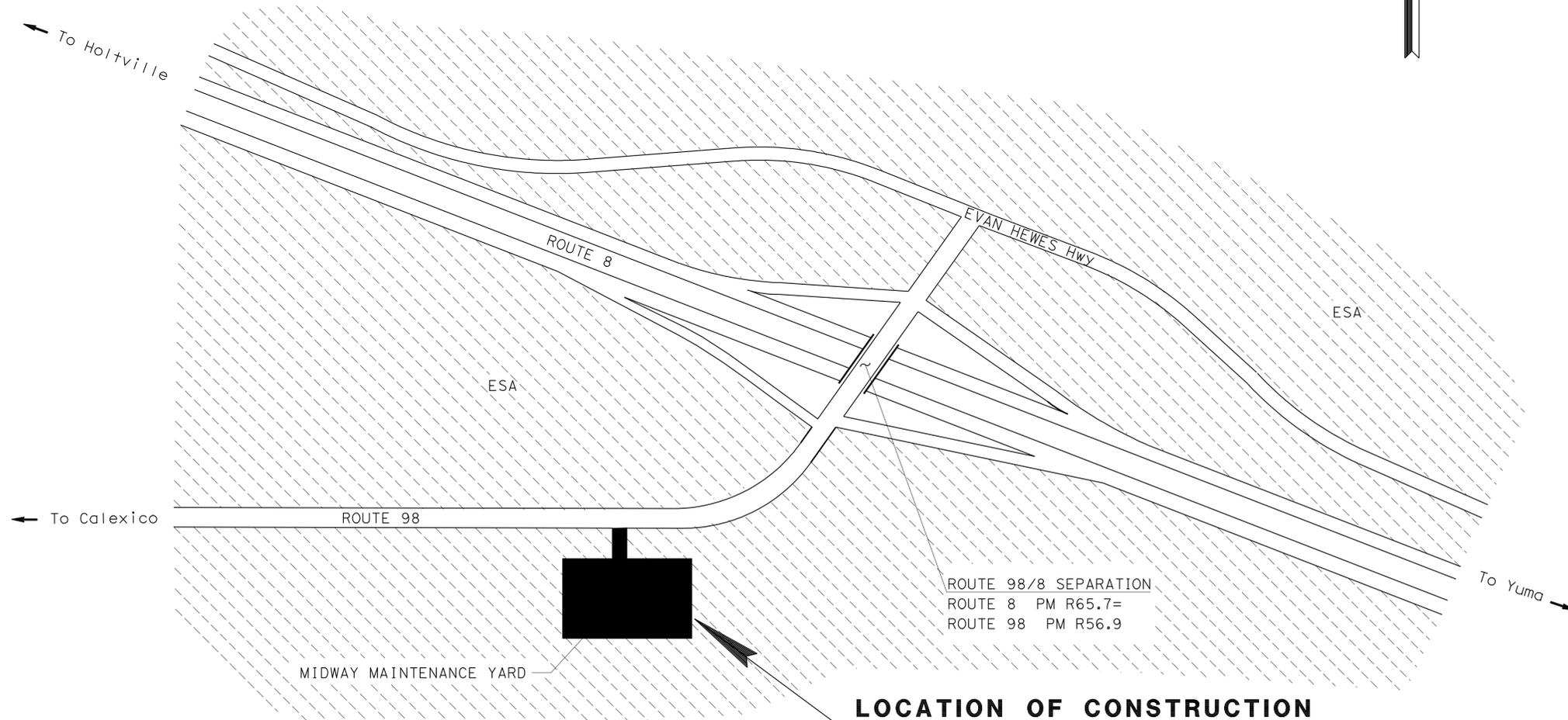
PROJECT PLANS FOR CONSTRUCTION ADJACENT TO  
STATE HIGHWAY

IN IMPERIAL COUNTY  
ABOUT 23 MILES EAST OF CALEXICO  
AT MIDWAY MAINTENANCE YARD

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



IMPERIAL COUNTY



LOCATION OF CONSTRUCTION  
LOCATION CODE No. 5714

ESA - ENVIRONMENTALLY SENSITIVE AREA

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

NO SCALE

*K.A. Mandani* 10-26-10  
PROJECT ENGINEER DATE  
REGISTERED CIVIL ENGINEER

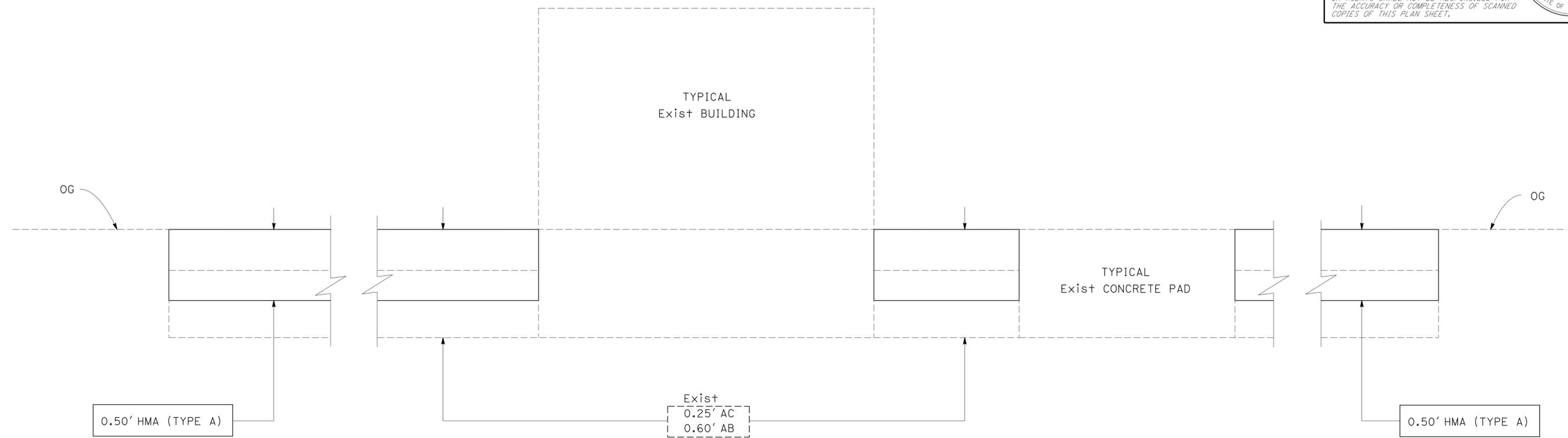
December 20, 2010  
PLANS APPROVAL DATE

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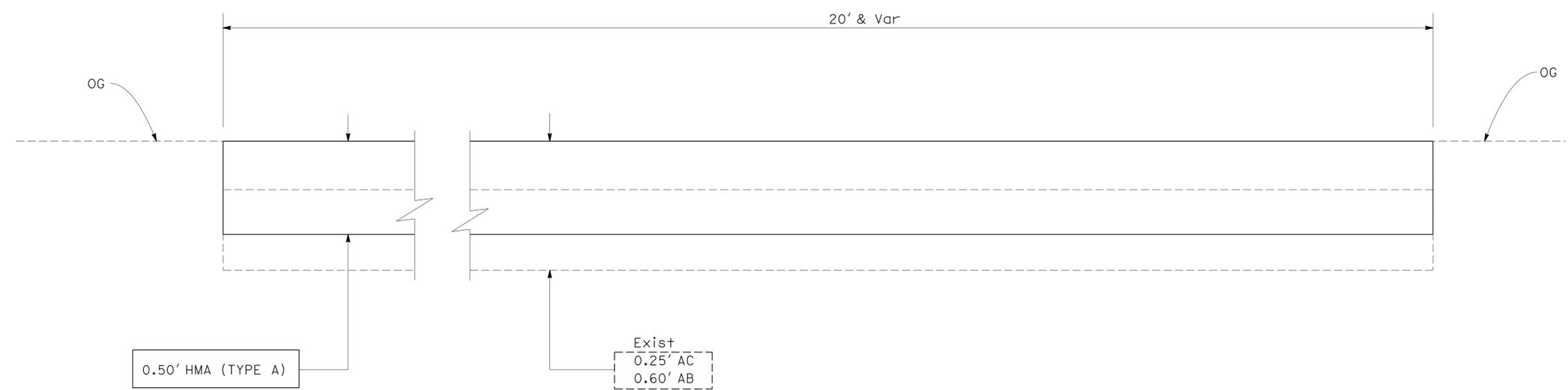
CONTRACT No.	<b>11-404904</b>
PROJECT ID	<b>1100020016</b>

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	5714		2	10
K.A. Mandani			10-26-10		
REGISTERED CIVIL ENGINEER			DATE		
12-20-10			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>					

**NOTES:** 1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.



**MAINTENANCE YARD**



**DRIVEWAY**

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

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** MINOR A PROJECTS  
 FUNCTIONAL SUPERVISOR: KAZIM MAMDANI  
 GERRY CRUZ  
 RUDY GABRIEL  
 CALCULATED/DESIGNED BY: [blank]  
 CHECKED BY: [blank]  
 REVISED BY: [blank]  
 DATE REVISED: [blank]





Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5714		5	10

REGISTERED CIVIL ENGINEER	DATE
10-25-10	
PLANS APPROVAL DATE	
12-20-10	

REGISTERED PROFESSIONAL ENGINEER
SHAHIN T. ADIBI
No. 54839
Exp. 6-30-12
CIVIL

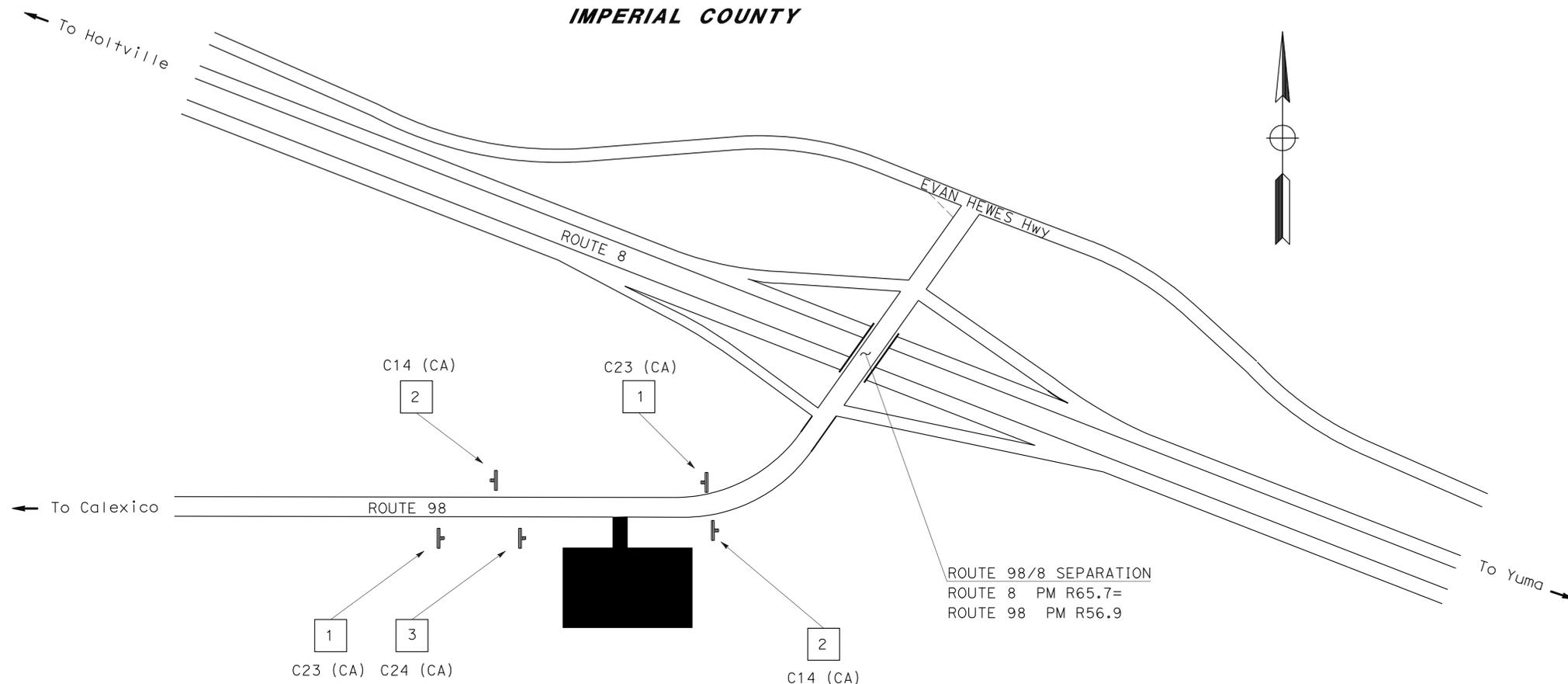
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**NOTES:**

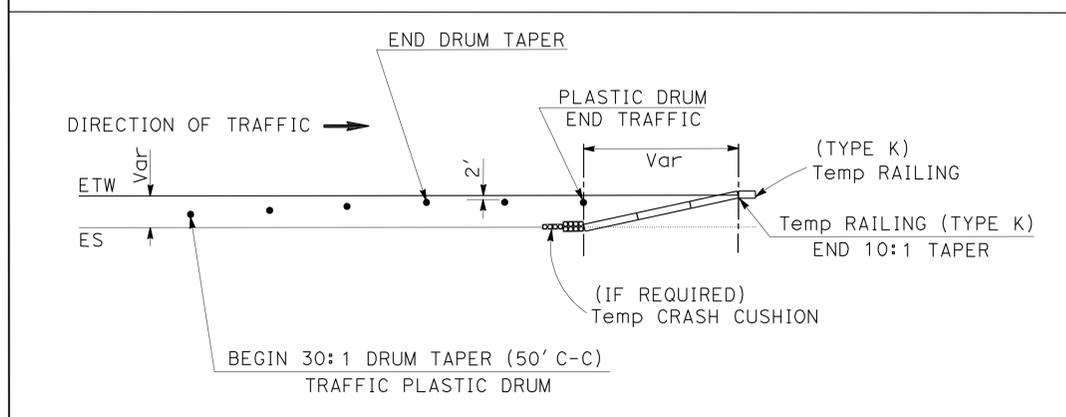
1. EXACT LOCATION OF CONSTRUCTION AREA SIGNS SHALL BE DETERMINED BY THE ENGINEER.
2. FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) SIGN CODES ARE SHOWN UNLESS DESIGNATED BY (CA), INDICATING CALIFORNIA MUTCD.
3. EXISTING UTILITIES ARE NOT SHOWN ON THESE PLAN SHEETS. THE CONTRACTOR SHALL VERIFY LOCATIONS OF EXISTING UTILITIES AND ADJUST THE FIELD LOCATION OF THE SIGN POSTS IN CONSULTATION WITH THE ENGINEER.

**LEGEND:**

XX = CONSTRUCTION AREA SIGN



**TYPICAL PLACEMENT OF TRAFFIC PLASTIC DRUM**



**CONSTRUCTION AREA SIGNS**

SIGN No.	TYPE	PANEL SIZE (In)	No. OF POST AND SIZE (In)	No. OF SIGNS
1	C23 (CA)	48 X 48	1-4 X 6 (S)	2
2	C14 (CA)	48 X 24	1-4 X 4 (S)	2
3	C24 (CA)	48 X 48	1-4 X 6 (S)	1
TOTAL				5

(S) DENOTES STATIONARY MOUNTED SIGN

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

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** TRAFFIC DESIGN  
 FUNCTIONAL SUPERVISOR: CAMILLE ABOU FADEL  
 CALCULATED/DESIGNED BY: CHECKED BY:  
 ROBERT EDEJER: SHAHIN T. ADIBI  
 REVISED BY: DATE REVISED:

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	5714		6	10

REGISTERED CIVIL ENGINEER DATE 10-25-10

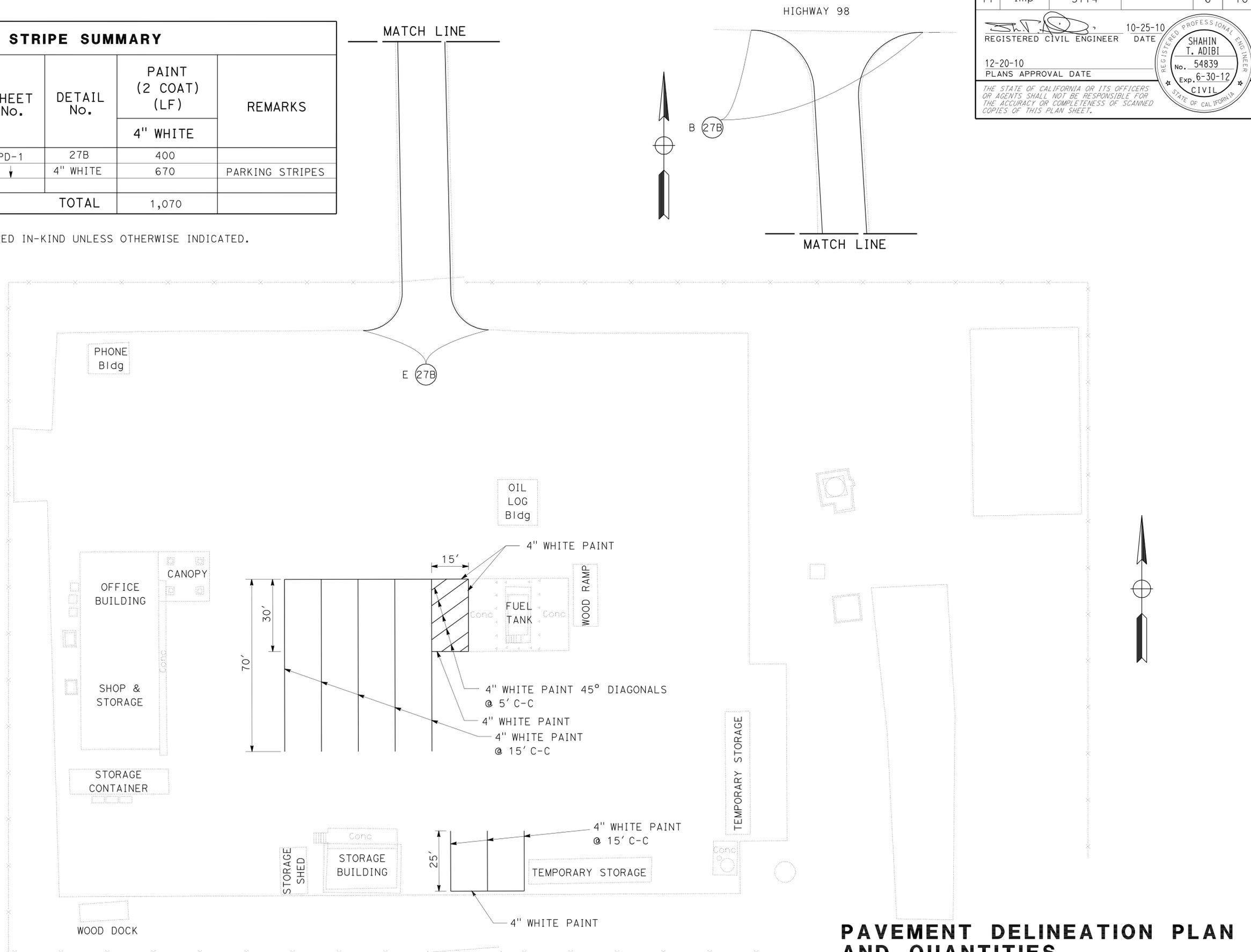
12-20-10 PLANS APPROVAL DATE

SHAHIN T. ADIBI  
No. 54839  
Exp. 6-30-12  
CIVIL

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TRAFFIC STRIPE SUMMARY				
LOCATION	SHEET No.	DETAIL No.	PAINT (2 COAT) (LF)	REMARKS
			4" WHITE	
MIDWAY MAINTENANCE YARD	PD-1	27B	400	
		4" WHITE	670	PARKING STRIPES
TOTAL			1,070	

PAVEMENT DELINEATION SHALL BE REPLACED IN-KIND UNLESS OTHERWISE INDICATED.



**PAVEMENT DELINEATION PLAN AND QUANTITIES**  
PD-1  
SCALE: 1"=20'

**LEGEND:**

- B (XX) BEGINNING OF PAVEMENT DELINEATION DETAIL
- E (XX) END OF PAVEMENT DELINEATION DETAIL

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY

**MIDWAY MAINTENANCE YARD**



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** MINOR A PROJECTS  
 FUNCTIONAL SUPERVISOR: KAZIM MAMDANI  
 CALCULATED/DESIGNED BY: GERRY CRUZ  
 CHECKED BY: ROBERT EDEJER  
 REVISED BY: GERRY CRUZ  
 DATE REVISED:

LAST REVISION: DATE PLOTTED => 20-DEC-2010  
 10-27-10 TIME PLOTTED => 13:50

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** MINOR A PROJECTS

FUNCTIONAL SUPERVISOR  
 KAZIM MAMDANI

CALCULATED/DESIGNED BY  
 CHECKED BY

GERRY CRUZ  
 RUDY GABRIEL

REVISED BY  
 DATE REVISED

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	5714		7	10

*K.A. Mandomi* 10-26-10  
 REGISTERED CIVIL ENGINEER DATE

12-20-10  
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER  
 KAZIM MAMDANI  
 No. C 53426  
 Exp. 6-30-11  
 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.

CONSTRUCTION QUANTITIES							
SHEET	LOCATION	SURFACE AREA (N)	ROADWAY EXCAVATION	ROADWAY EXCAVATION (HYDROCARBON CONTAMINATION)	ABANDON GROUNDWATER MONITORING WELL	HOT MIX ASPHALT (TYPE A)	TACK COAT
		(SQFT)	(CY)	(CY)	(EA)	(TON)	(TON)
L-1	MAINTENANCE YARD	69,578.0	1,272.2	16.3	4	2,500.0	3.8
	DRIVEWAY	4,200.0	77.8			150.9	0.2
	<b>TOTAL</b>		1350.0	16.3	4	2,650.9	4.0

[N] NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

**SUMMARY OF QUANTITIES**  
**Q-1**

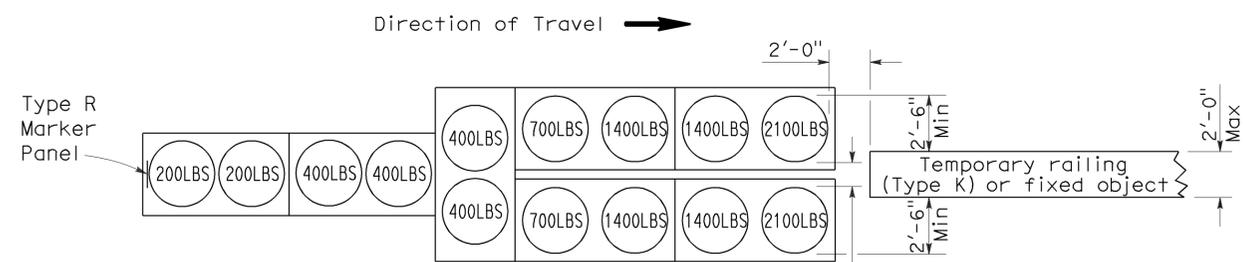
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	Imp	5714		8	10

*Randell D. Hiatt*  
REGISTERED CIVIL ENGINEER

June 6, 2008  
PLANS APPROVAL DATE

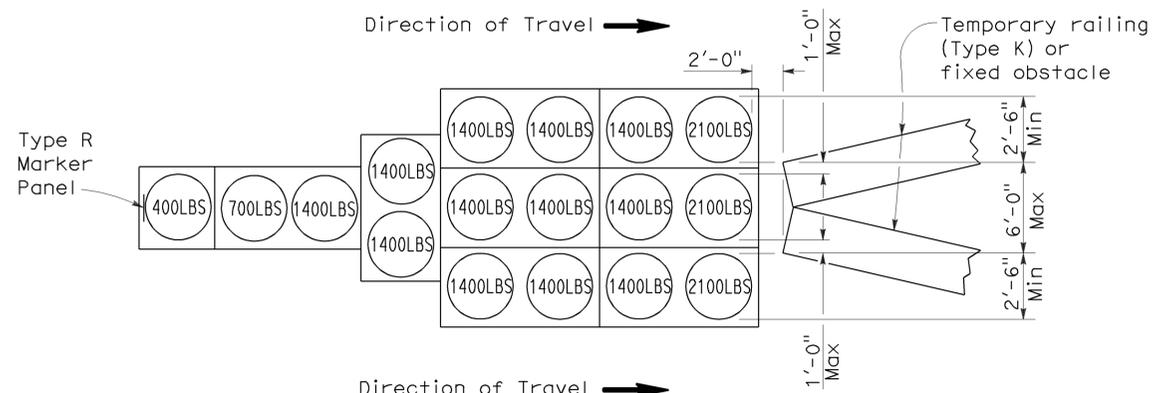
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To accompany plans dated 12-20-10



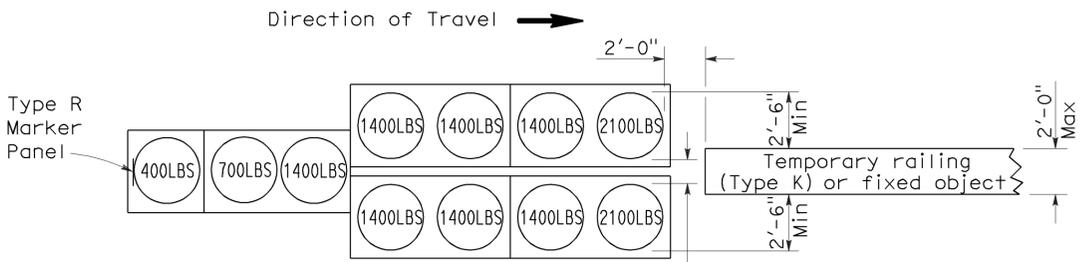
**ARRAY 'TU14'**

Approach speed 45 mph or more



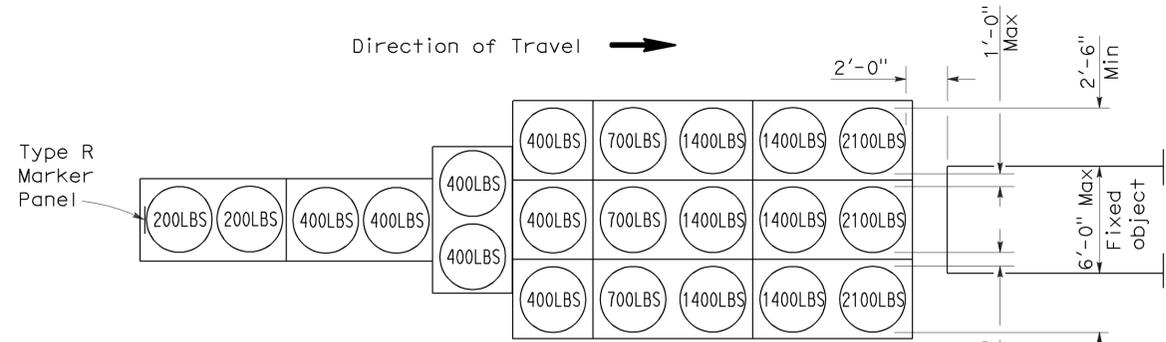
**ARRAY 'TU17'**

Approach speed less than 45 mph



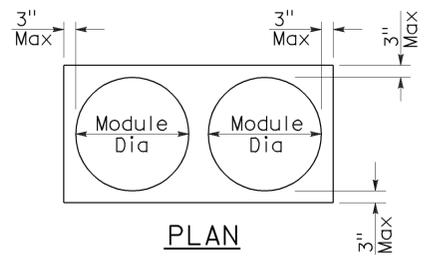
**ARRAY 'TU11'**

Approach speed less than 45 mph

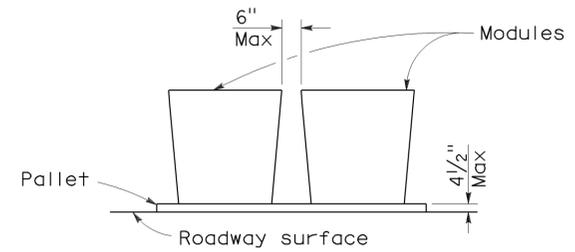


**ARRAY 'TU21'**

Approach speed 45 mph or more



**PLAN**



**ELEVATION**

**CRASH CUSHION PALLET DETAIL**

See Note 7

**NOTES:**

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

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

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

NO SCALE

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

**REVISED STANDARD PLAN RSP T1A**

2006 REVISED STANDARD PLAN RSP T1A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	Imp	5714		9	10

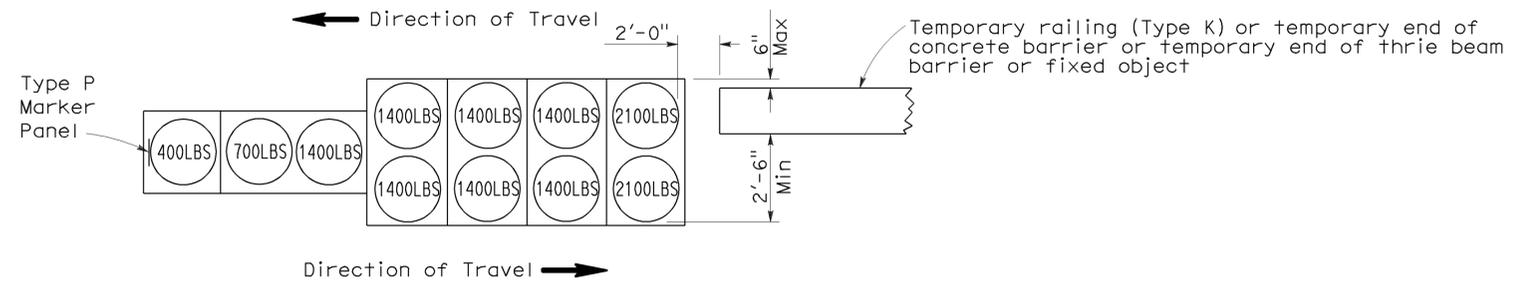
Randell D. Hiatt  
REGISTERED CIVIL ENGINEER

June 6, 2008  
PLANS APPROVAL DATE

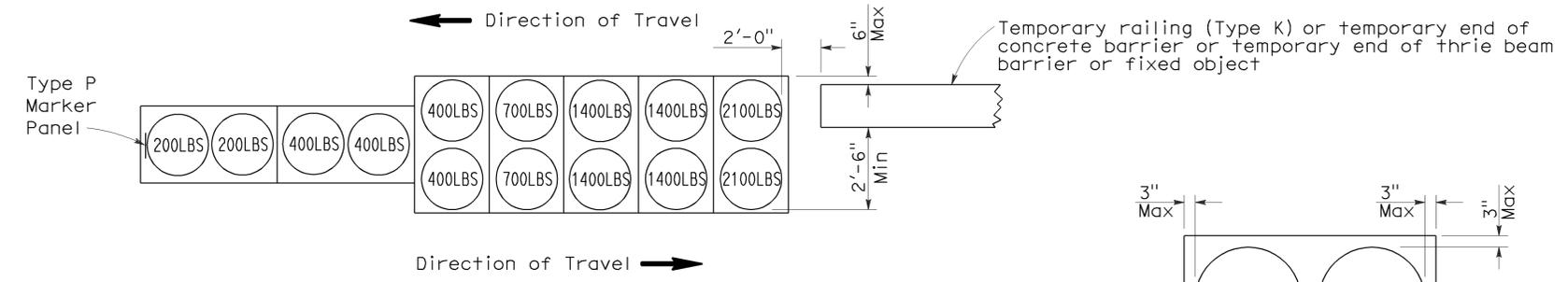
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Randell D. Hiatt  
No. C50200  
Exp. 6-30-09  
CIVIL  
STATE OF CALIFORNIA

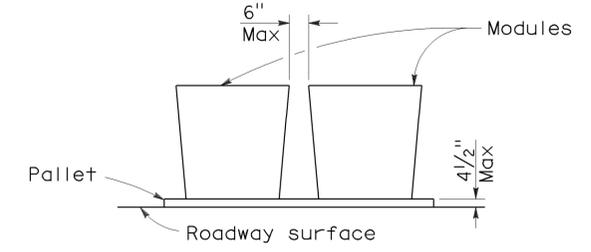
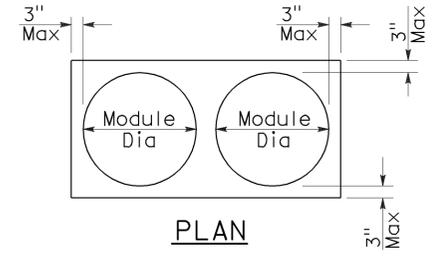
To accompany plans dated 12-20-10



**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

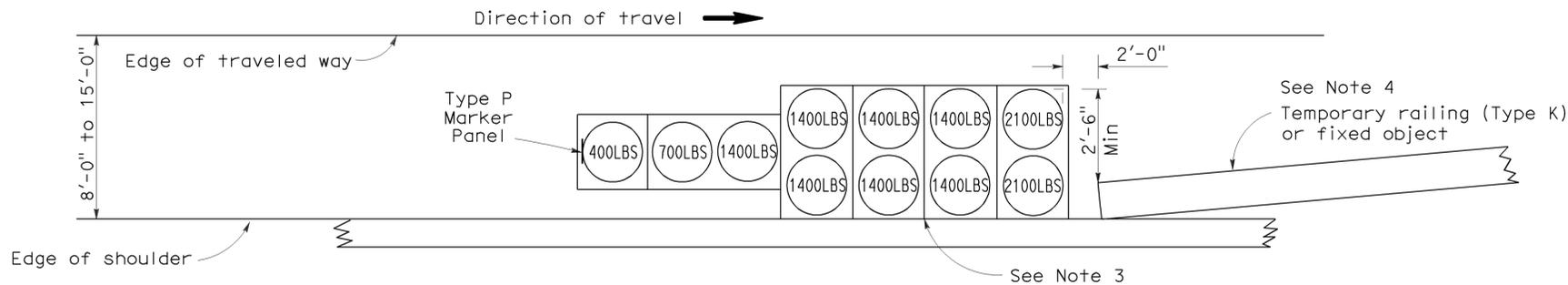
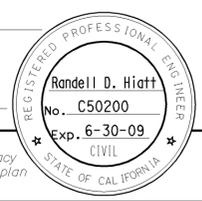
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	Imp	5714		10	10

Randell D. Hiatt  
REGISTERED CIVIL ENGINEER

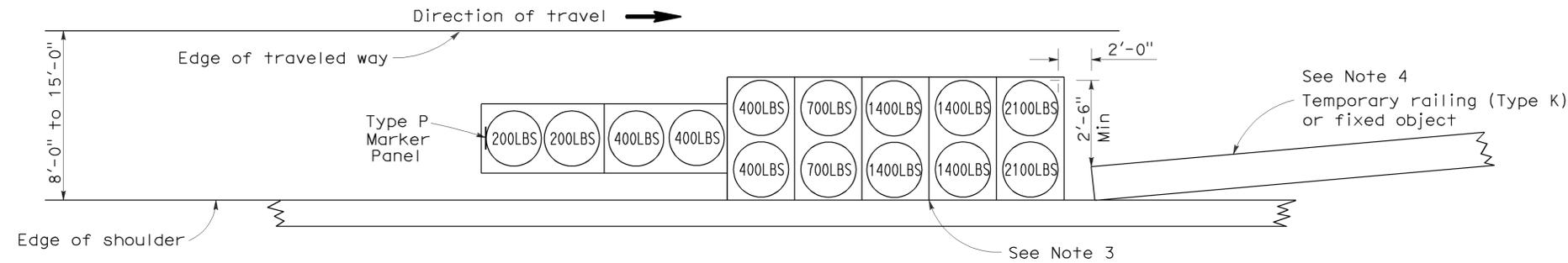
June 6, 2008  
PLANS APPROVAL DATE

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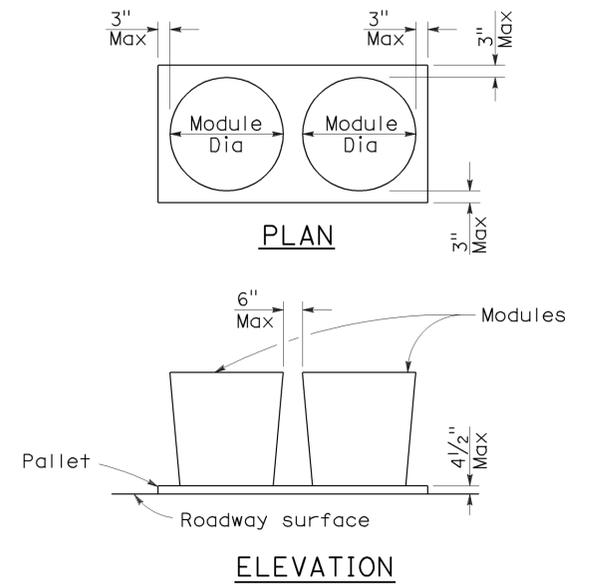
To accompany plans dated 12-20-10



**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