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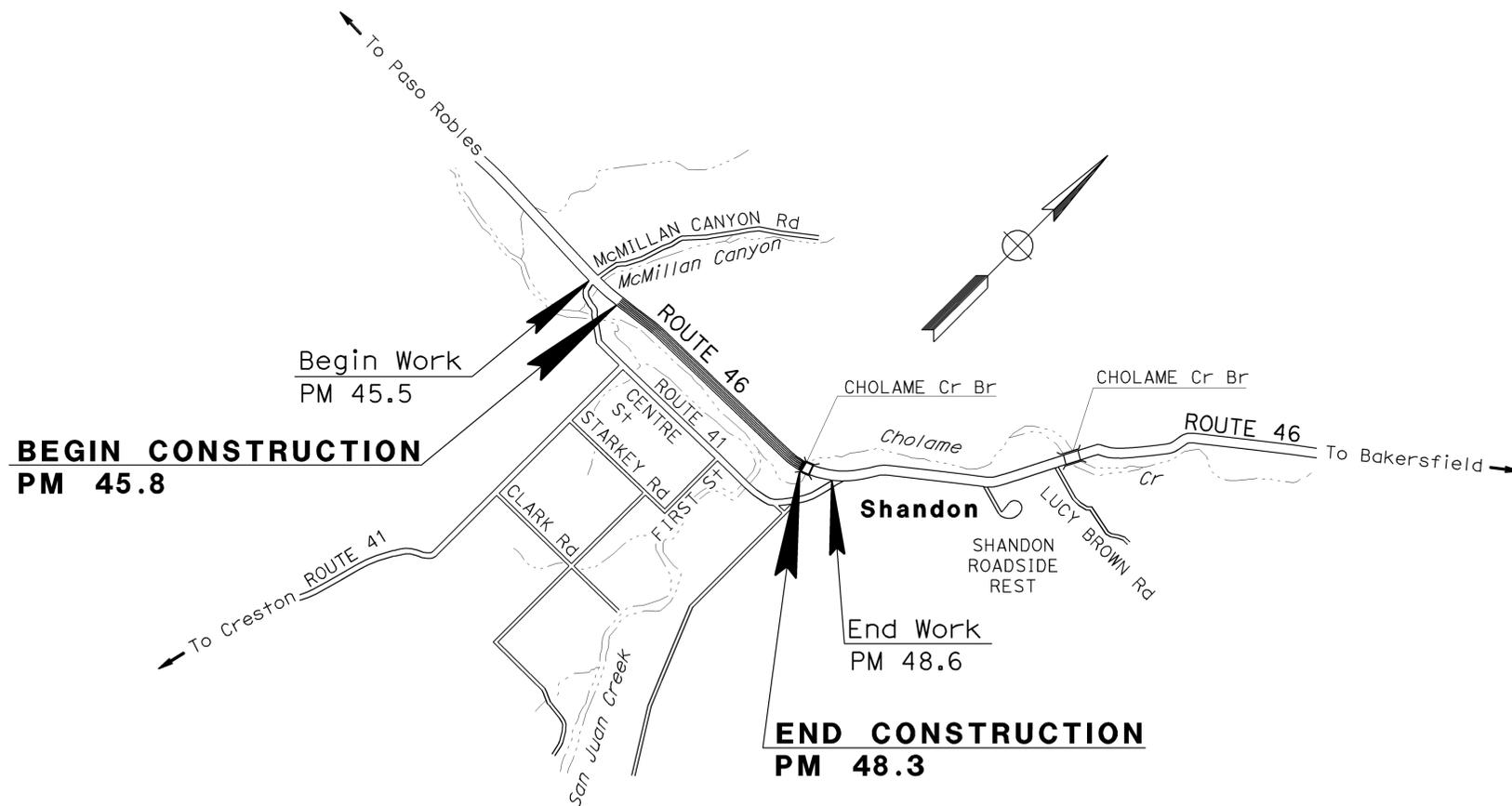
THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN SAN LUIS OBISPO COUNTY
NEAR SHANDON
FROM 0.3 MILE EAST OF McMILLAN CANYON ROAD
TO CHOLAME CREEK BRIDGE

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SLO	46	45.8/48.3	1	8



NO SCALE

PROJECT MANAGER	KELLY McCLAIN
DESIGN ENGINEER	KELLY McCLAIN

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

Arman Asefvaziri 10-25-10
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

October 25, 2010
PLANS APPROVAL DATE

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

CONTRACT No.	05-0T3104
PROJECT ID	0500000837

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SLO	46	45.8/48.3	2	8

10-25-10
 REGISTERED CIVIL ENGINEER DATE
 10-25-10
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

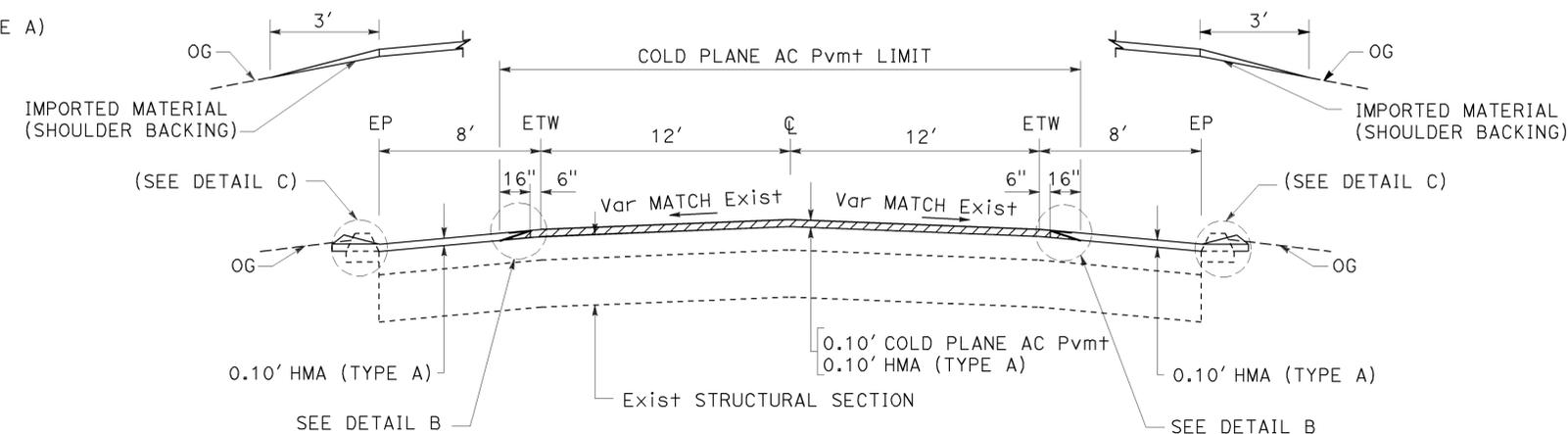
REGISTERED PROFESSIONAL ENGINEER
ARMAN ASEFVAZIRI
 No. 52047
 Exp. 12-31-12
 CIVIL
 STATE OF CALIFORNIA

NOTES:

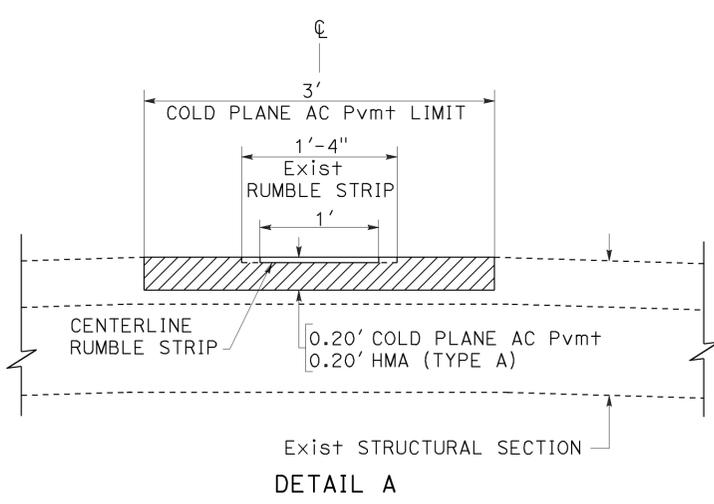
- DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
- SUPERELEVATIONS AS SHOWN OR AS DIRECTED BY THE ENGINEER.

LEGEND:

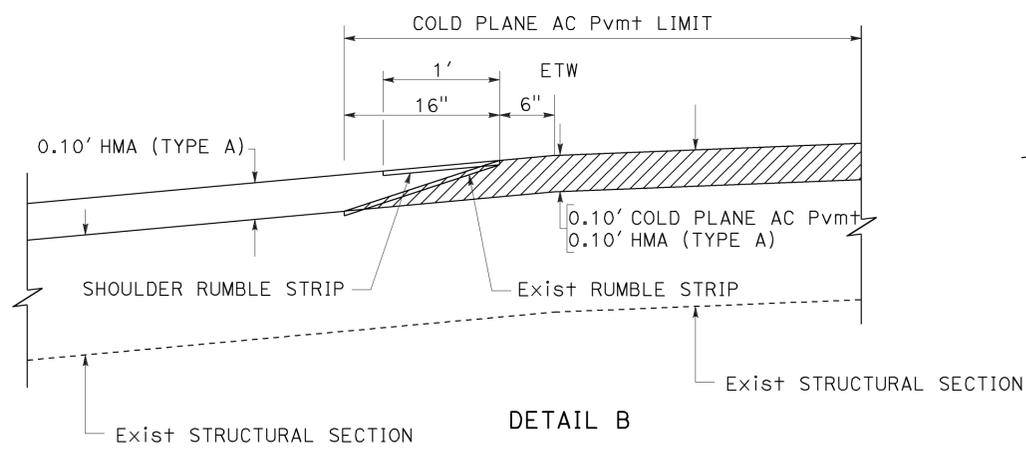
- COLD PLANE AC Pvm+ AND HMA (TYPE A)
- COLD PLANE AC DIKE



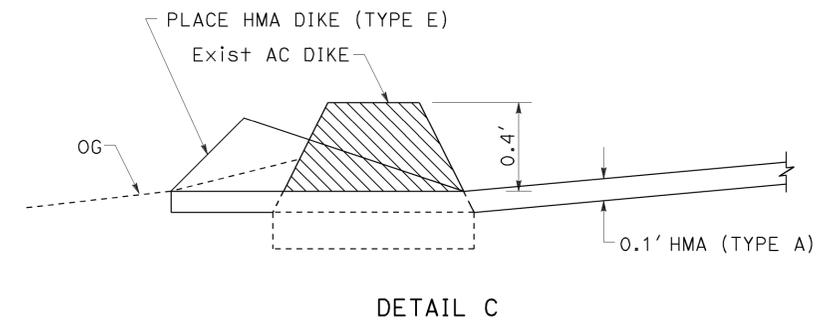
PM 47.1 TO 48.3



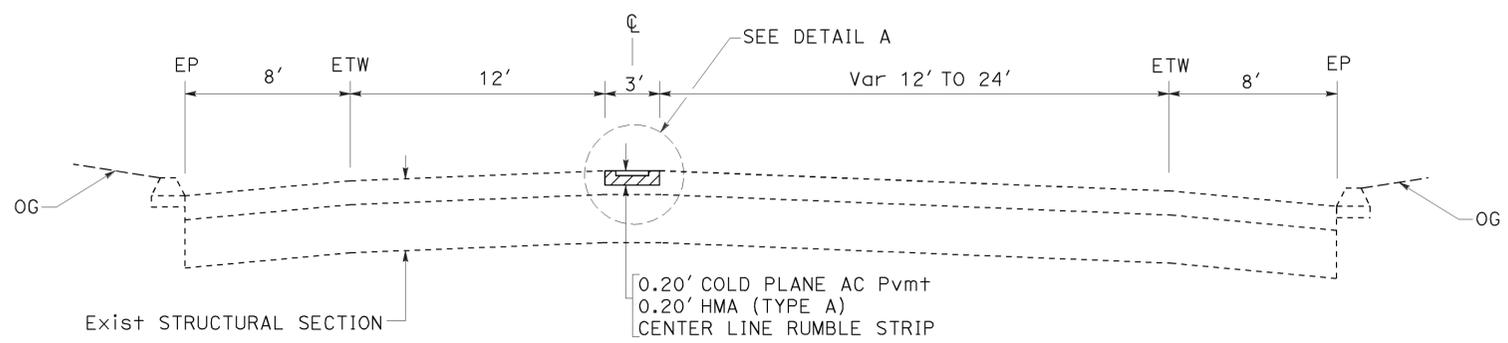
DETAIL A



DETAIL B



DETAIL C



PM 45.8 TO 47.1

ROUTE 46

EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

TYPICAL CROSS SECTIONS
NO SCALE
X-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN
 FUNCTIONAL SUPERVISOR: KELLY McCLAIN
 CALCULATED/DESIGNED BY: KELLY McCLAIN
 CHECKED BY: [Blank]
 REVISIONS: [Blank]
 REVISOR: [Blank]
 DATE: [Blank]
 REVISIONS: [Blank]
 REVISOR: [Blank]
 DATE: [Blank]

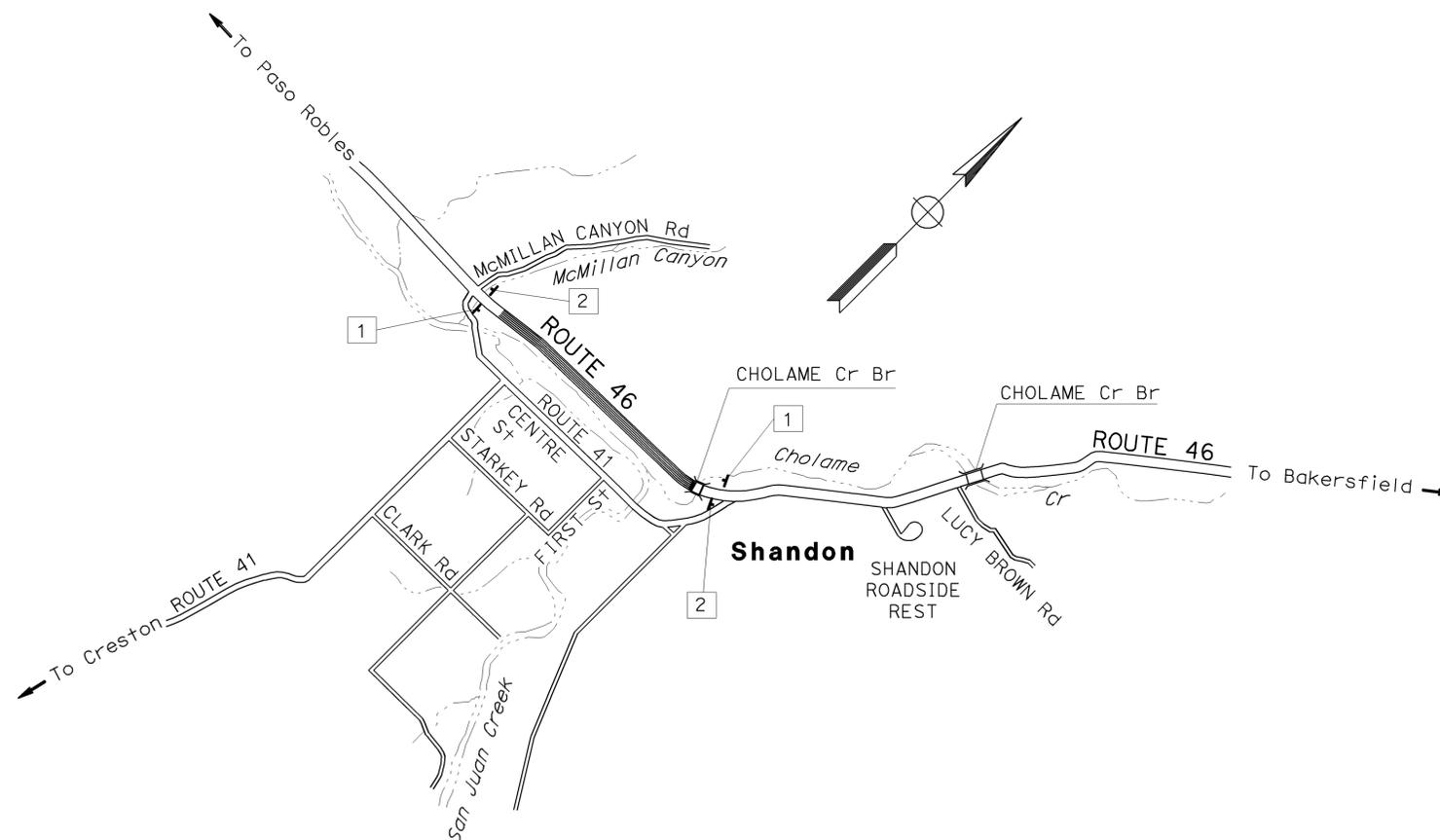
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SLO	46	45.8/48.3	3	8
<i>Arman Asefvaziri</i> REGISTERED CIVIL ENGINEER			10-25-10 DATE		
10-25-10 PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					

NOTE:

EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.

**STATIONARY MOUNTED
CONSTRUCTION AREA SIGNS**

SIGN NUMBER	SIGN CODE	PANEL SIZE	SIGN MESSAGE	NUMBER OF POST AND SIZE	NUMBER OF SIGNS
1	G20-1	36" x 18"	ROAD WORK AHEAD NEXT — MILE	1 - 4" x 4"	2
2	G20-2	36" x 18"	END ROAD WORK	1 - 4" x 4"	2



EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY.

**CONSTRUCTION AREA SIGNS
CS-1**

NO SCALE

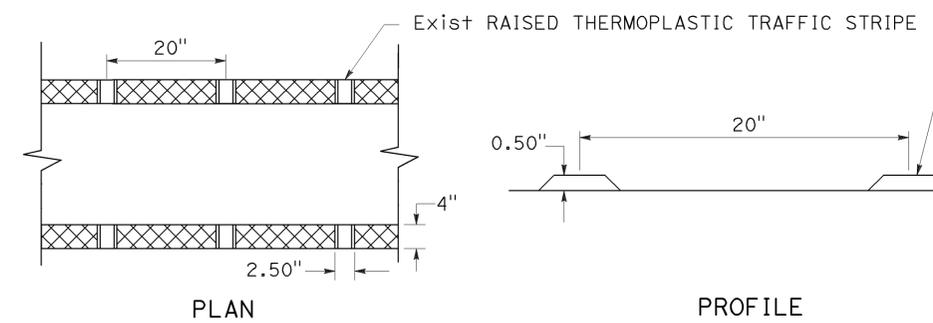
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	ARMAN ASEFVAZIRI	AA
Caltrans MAINTENANCE DESIGN	KELLY McCLAIN	09-20-10
FUNCTIONAL SUPERVISOR	CHECKED BY	REVISOR
KELLY McCLAIN		DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SLO	46	45.8/48.3	4	8
10-25-10 REGISTERED CIVIL ENGINEER DATE			10-25-10 PLANS APPROVAL DATE		
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					

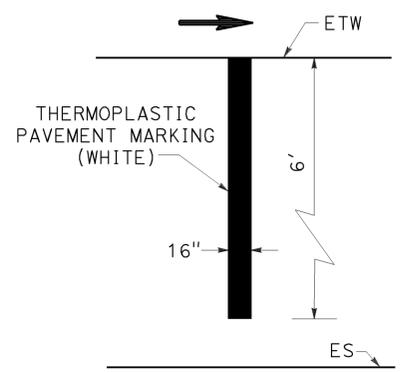


LEGEND:

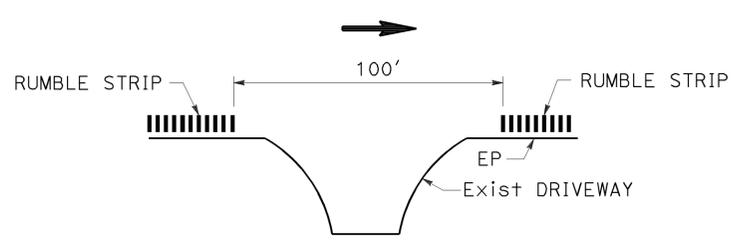
-  RUMBLE STRIP
-  TYPE D TWO-WAY YELLOW RETROREFLECTIVE PAVEMENT MARKER.
-  TYPE H ONE-WAY YELLOW RETROREFLECTIVE PAVEMENT MARKER.
-  BLACK NON-REFLECTIVE PAVEMENT MARKER
-  4" YELLOW THERMOPLASTIC TRAFFIC STRIPE



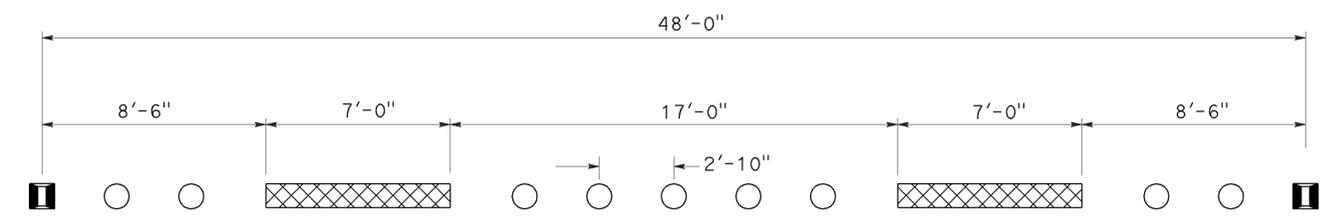
REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)
PM 45.8 TO 47.1



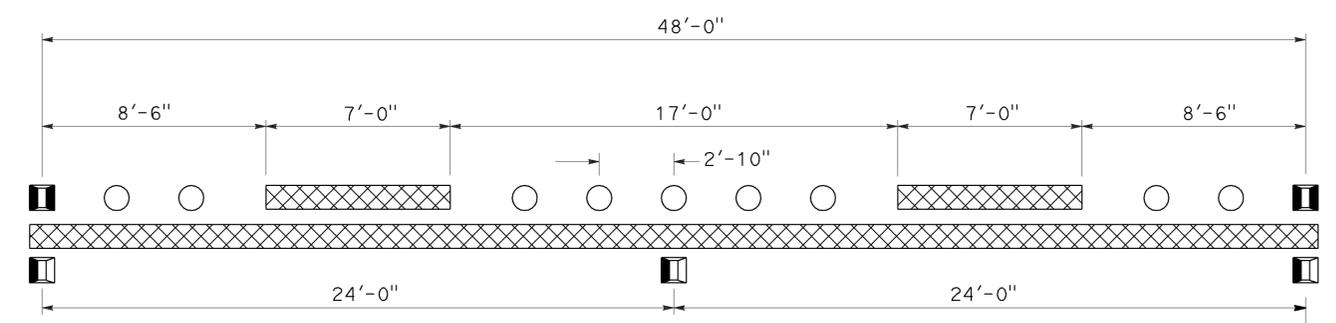
AERIAL PATROL MARKING
PM 48.0



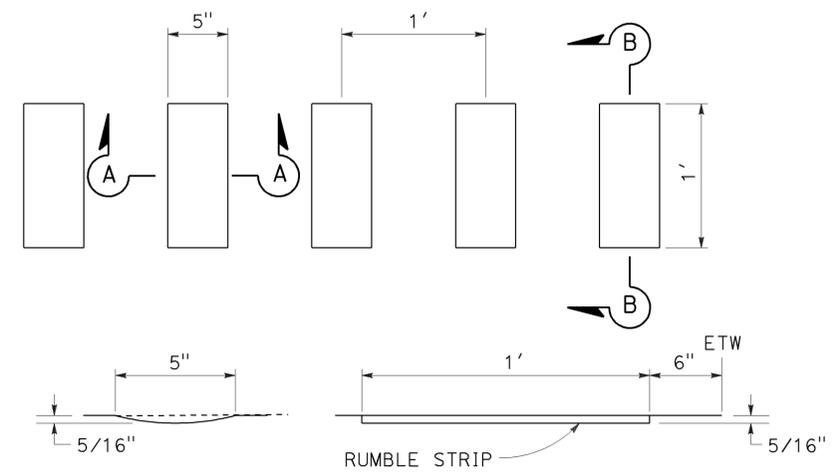
RUMBLE STRIP GAP AT DRIVEWAY
PM 46.2



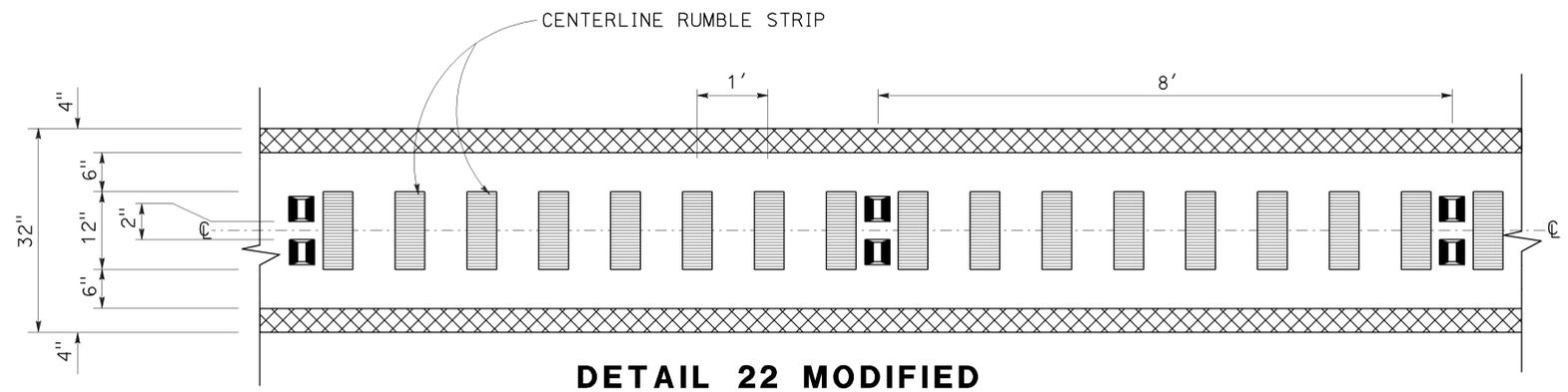
DETAIL 2 MODIFIED
PM 47.24 TO 47.98



DETAIL 15 MODIFIED
PM 47.98 TO 48.20
PM 47.12 TO 47.24



GROUND-IN INDENTATIONS



DETAIL 22 MODIFIED
PM 48.20 TO 48.30
PM 45.95 TO 47.12

PAVEMENT DELINEATION
NO SCALE
PD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 Kelly McClain
 Functional Supervisor
 Kelly McClain
 Arman Asefvaziri
 Kelly McClain
 Revised By
 Date Revised
 AA
 09-20-10
 Calculated/Designed By
 Checked By
 10-25-10
 10-25-10
 10-25-10

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SLO	46	45.8/48.3	5	8

Arman Asefvaziri 10-25-10
 REGISTERED CIVIL ENGINEER DATE

10-25-10
 PLANS APPROVAL DATE

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PAVEMENT STRUCTURE

LIMIT	HMA (TYPE A)		COLD PLANE AC PAVEMENT			TACK COAT	IMPORTED MATERIAL (SHOULDER BACKING)	SHOULDER RUMBLE STRIP	CENTER LINE RUMBLE STRIP
	MAINLINE	AC DIKE	0.10'	0.20'	0.40'				
PM	TON	TON	SQYD	SQYD	SQYD	TON	TON	STA	
45.8 TO 48.3	2175	175	20,000	2150	650	9	55	128	64
TOTAL	2350		22,800			9	55	128	64

THERMOPLASTIC PAVEMENT MARKING

LIMIT	AERIAL PATROL MARKING	
	EA (N)	SQFT
PM		
48.0	2	16
TOTAL	16	

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

TRAFFIC STRIPE AND PAVEMENT MARKERS

LIMIT	4" THERMOPLASTIC TRAFFIC STRIPE					4" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 17-7)		PAVEMENT MARKER (RETROREFLECTIVE)		PAVEMENT MARKER (NON-REFLECTIVE)
	DETAIL							TYPE		
	15 Mod	22 Mod	27B	2 Mod	15 Mod	D	H	BLACK MARKER		
PM	LF							EA		
45.8 TO 48.3	635	13,411	24,820	1140	185	3454	28	852		
TOTAL	38,866			1325		3482		852		

HMA DIKE AND COLD PLANE AC DIKE

DIRECTION	LIMIT	PLACE HMA DIKE (TYPE A)	PLACE HMA DIKE (TYPE E)	COLD PLANE AC DIKE
		LF	LF	SQYD
EB	47.34 TO 47.73		2060	215
EB	48.00 TO 48.12		645	65
WB	47.98 TO 48.10		645	65
WB	47.36 TO 47.74		2000	205
WB	48.11 TO 48.29	950		100
	TOTAL	950	5350	650 *

* INCLUDED IN COLD PLANE AC PAVEMENT IN PAVEMENT STRUCTURE TABLE.

REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)

LIMIT	4" THERMOPLASTIC TRAFFIC STRIPE
	DETAIL
	22 (Mod)
PM	LF
45.8 TO 47.1	13,500
TOTAL	13,500

SUMMARY OF QUANTITIES Q-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN
 FUNCTIONAL SUPERVISOR
 KELLY McCLAIN
 CALCULATED/DESIGNED BY
 CHECKED BY
 ARMAN ASEFVAZIRI
 KELLY McCLAIN
 REVISED BY
 DATE REVISED
 AA
 09-20-10

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	SLO	46	45.8/48.3	6	8

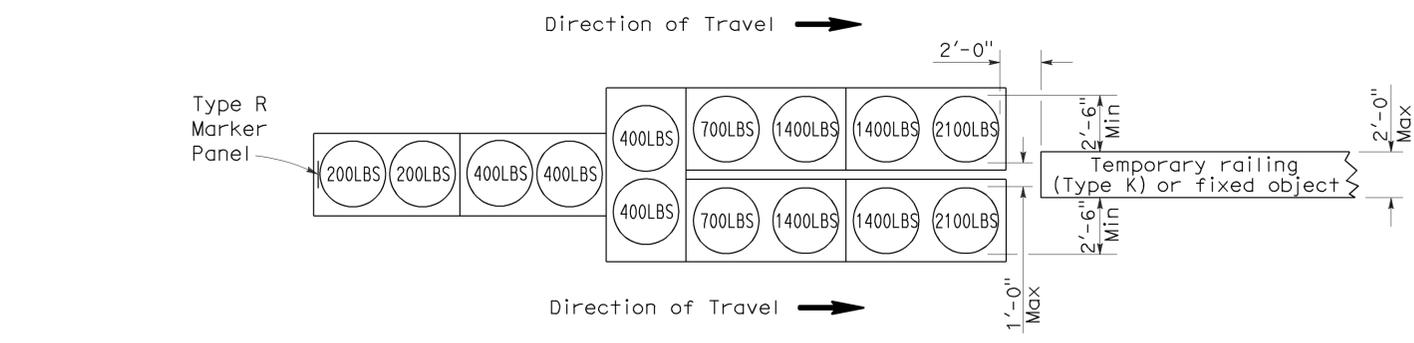
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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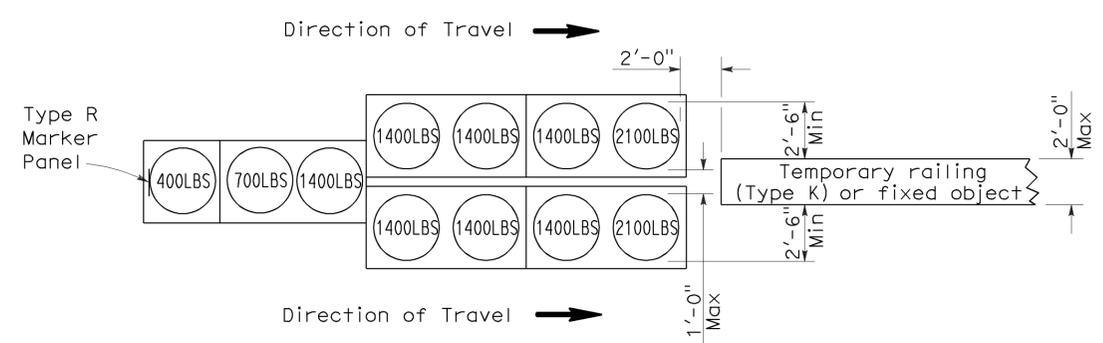
REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

To accompany plans dated 10-25-10



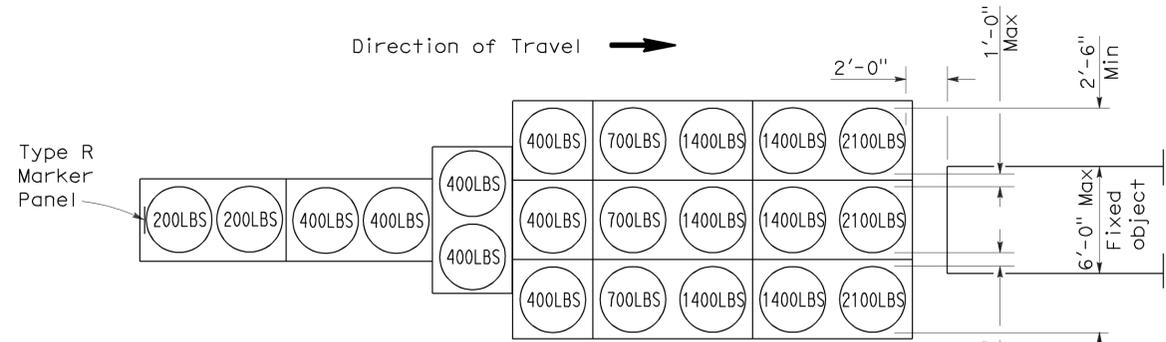
ARRAY 'TU14'

Approach speed 45 mph or more



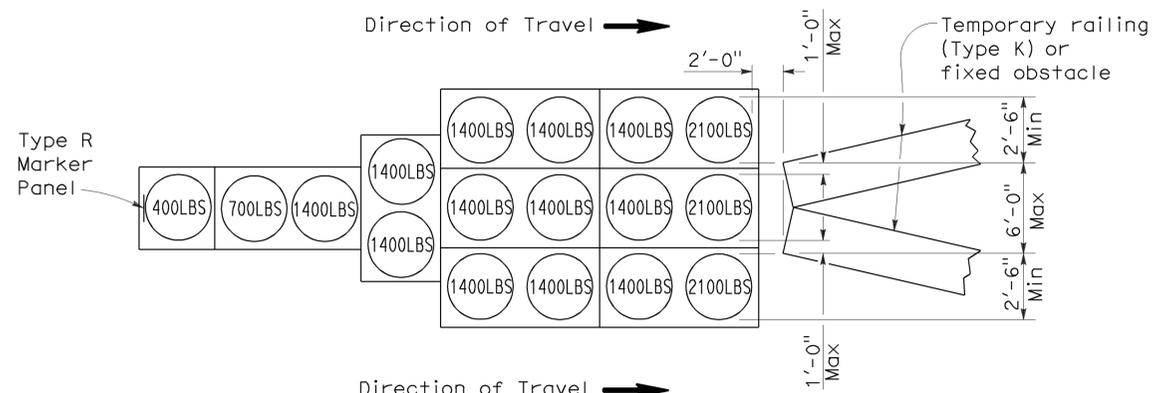
ARRAY 'TU11'

Approach speed less than 45 mph



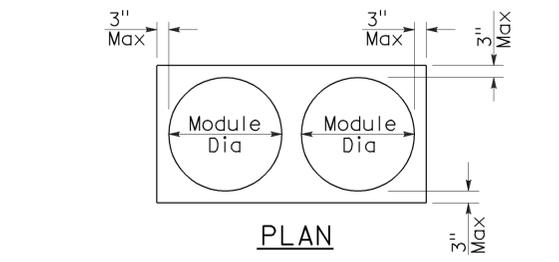
ARRAY 'TU21'

Approach speed 45 mph or more

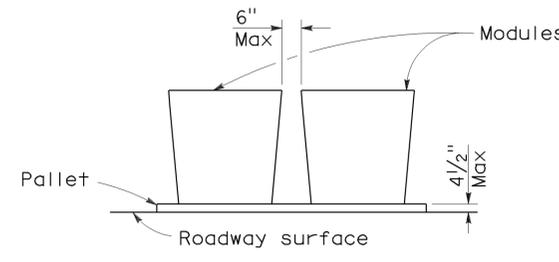


ARRAY 'TU17'

Approach speed less than 45 mph



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
05	SLO	46	45.8/48.3	7	8

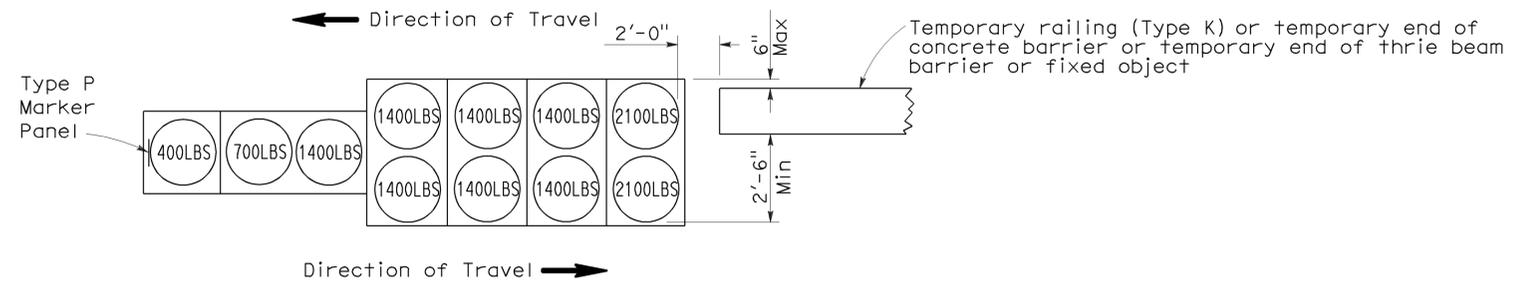
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

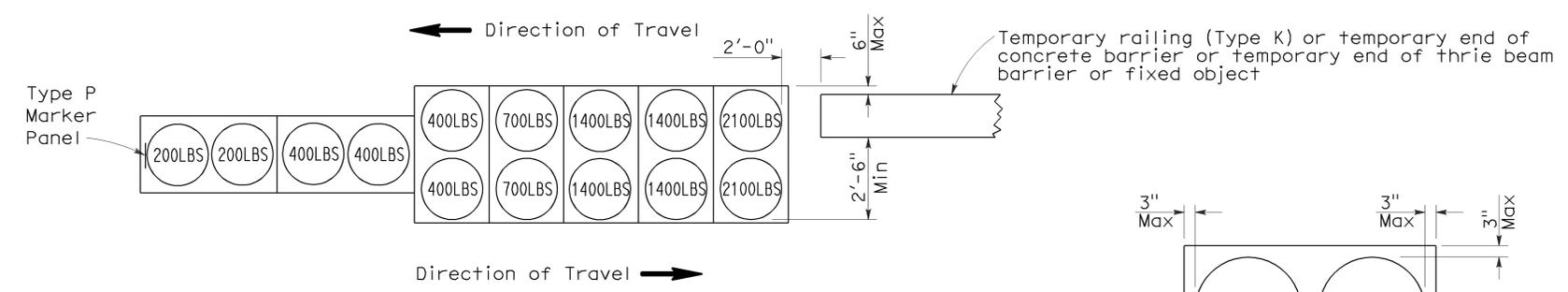
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To accompany plans dated 10-25-10



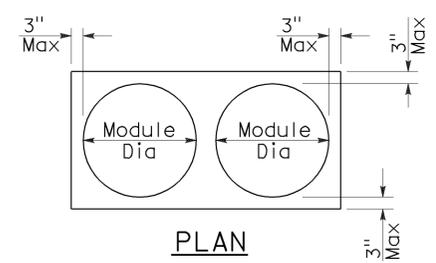
ARRAY 'TB11'

Approach speed less than 45 mph

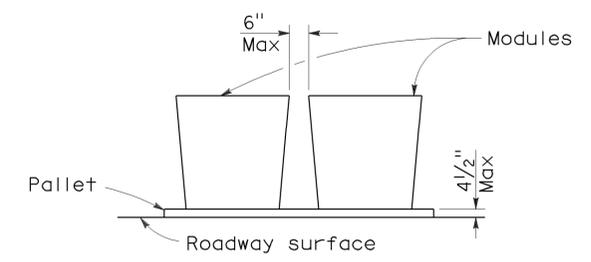


ARRAY 'TB14'

Approach speed 45 mph or more



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

NO SCALE

RSP T1B DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1B
DATED MAY 1, 2006 - PAGE 212 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T1B

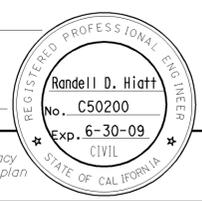
2006 REVISED STANDARD PLAN RSP T1B

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	SLO	46	45.8/48.3	8	8

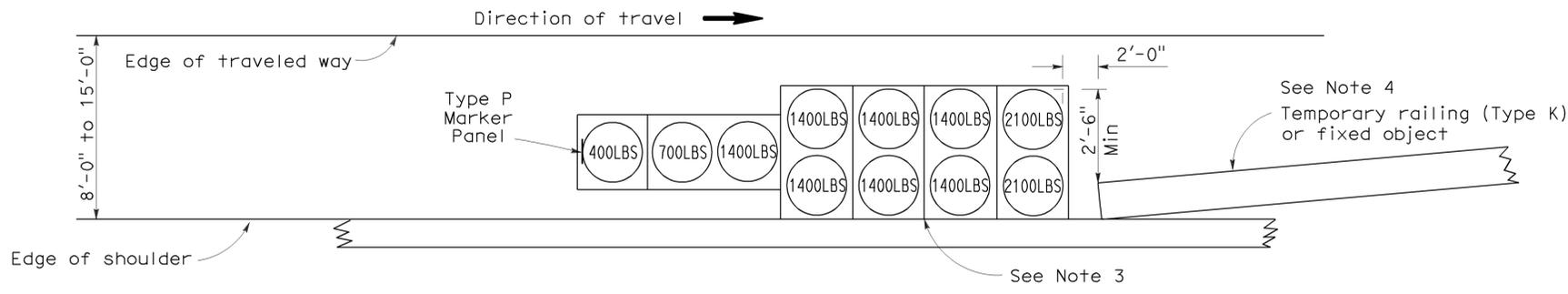
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

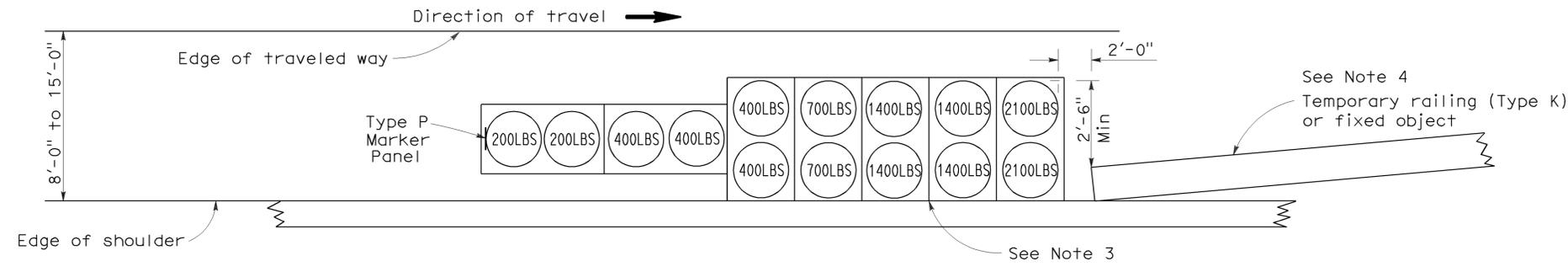
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To accompany plans dated 10-25-10



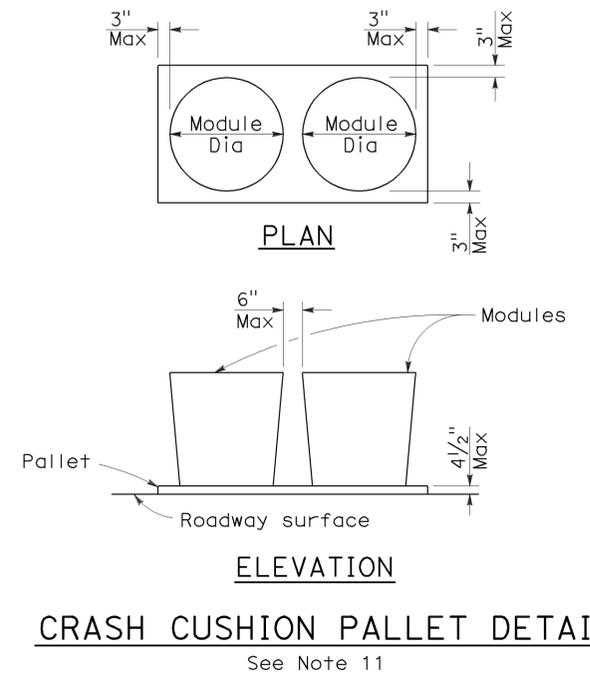
ARRAY 'TS11'
Approach speed less than 45 mph
See Note 9



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

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.



CRASH CUSHION PALLET DETAIL
See Note 11

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