

INDEX OF PLANS

Sheet No.	DESCRIPTION
1	TITLE AND LOCATION MAP
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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 TULARE COUNTY IN VISALIA
FROM MINERAL KING AVENUE TO SWEET AVENUE
AND IN AND NEAR CUTLER AND OROSI
FROM 0.3 MILE SOUTH OF AVENUE 388
TO FRESNO COUNTY LINE**

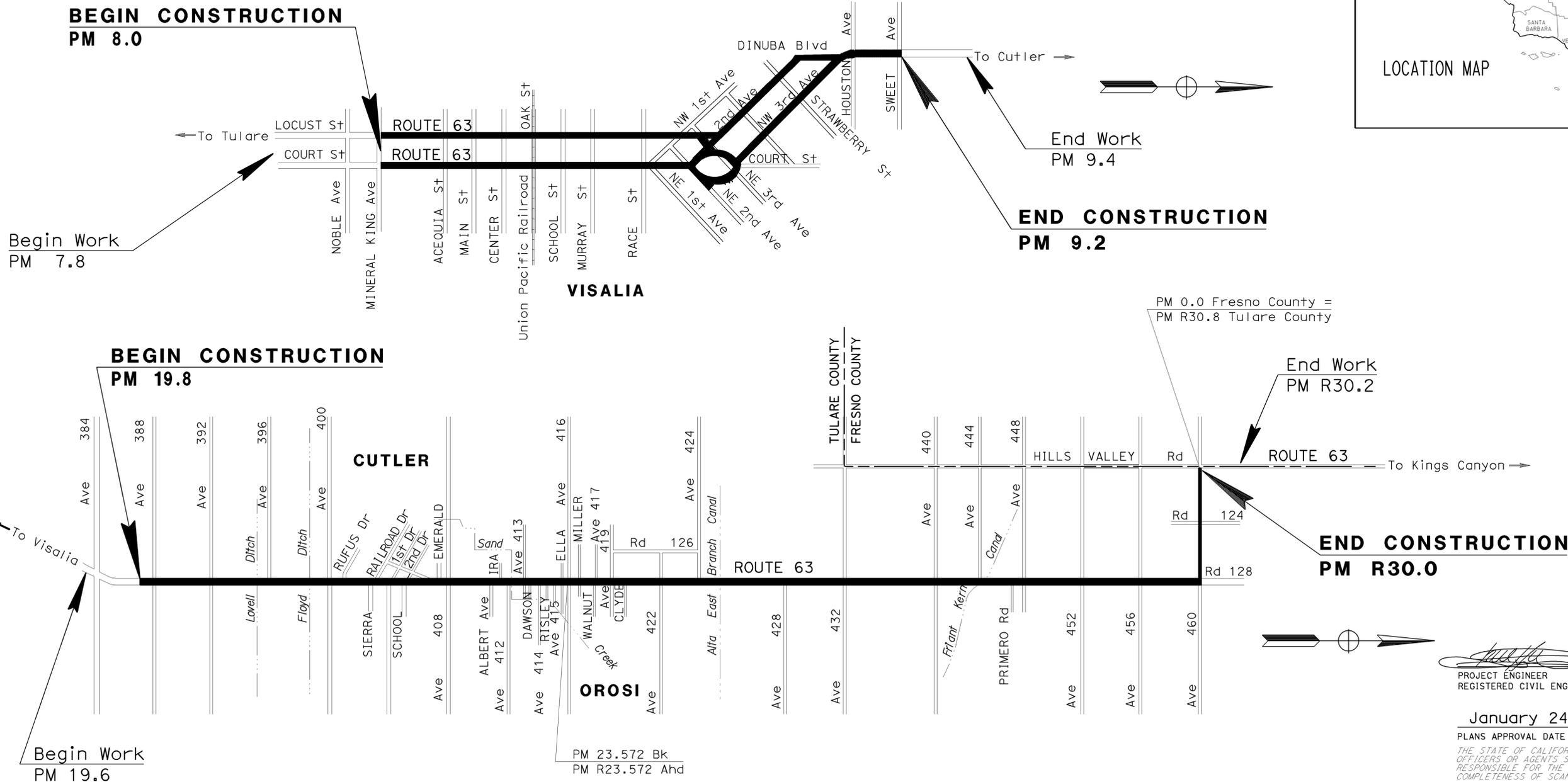
TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Tul	63	8.0/9.2, 19.8/R30.0	1	12



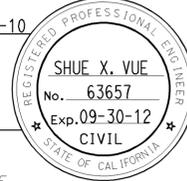


LOCATION MAP



PROJECT MANAGER
BILL MOSES
DESIGN ENGINEER
FRANK GONZALEZ


 PROJECT ENGINEER
 REGISTERED CIVIL ENGINEER
 DATE 12-21-10
 January 24, 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.



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

NO SCALE

CONTRACT No.	06-0M4304
PROJECT ID	0600020021

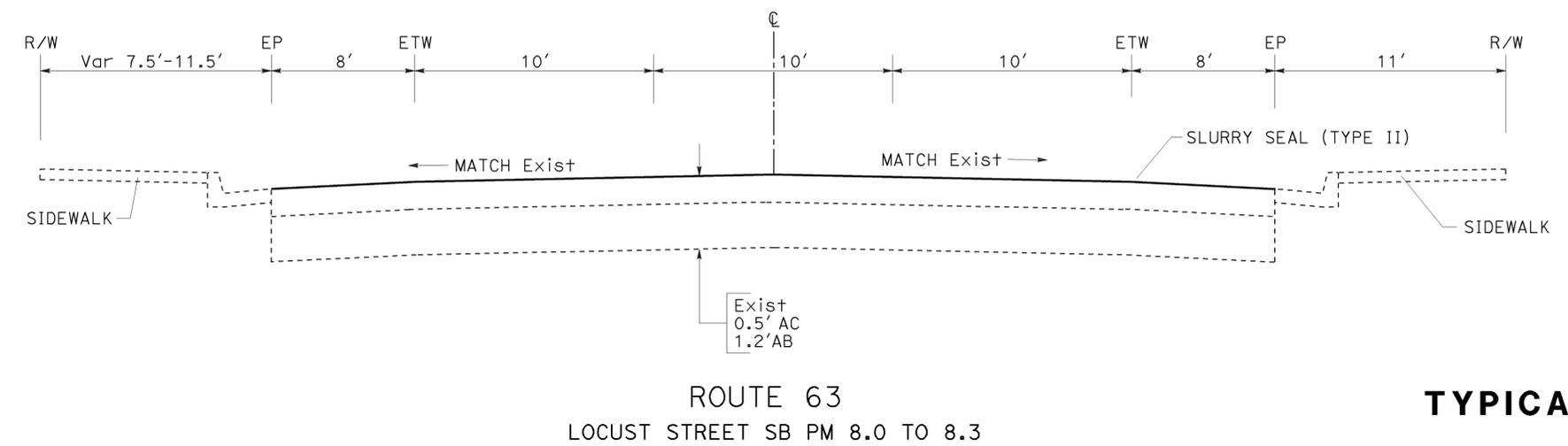
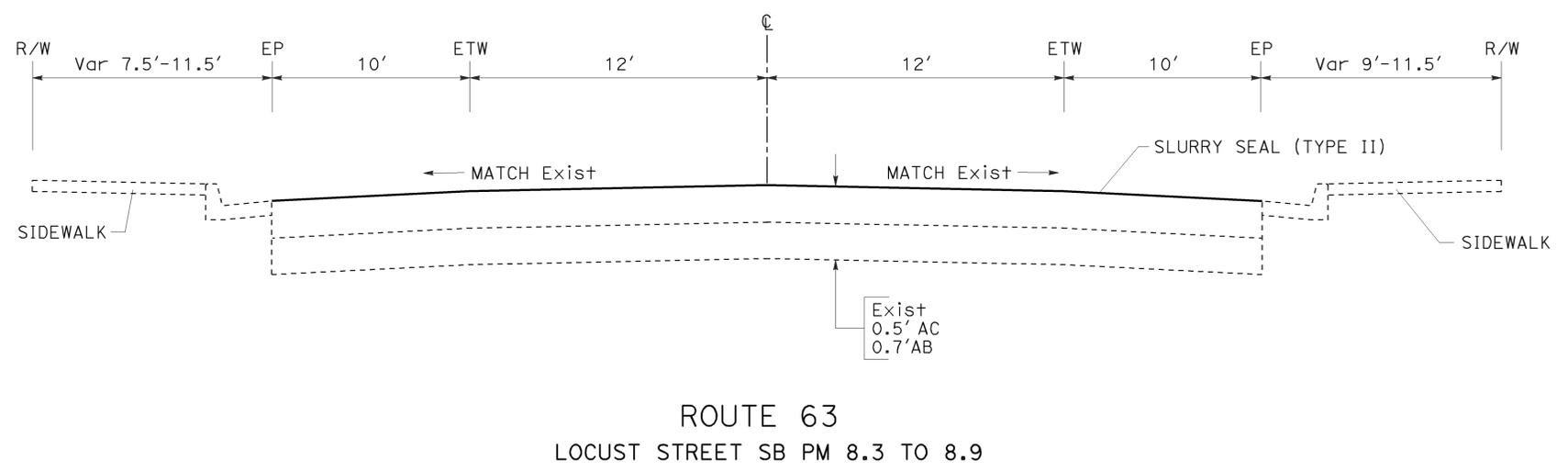
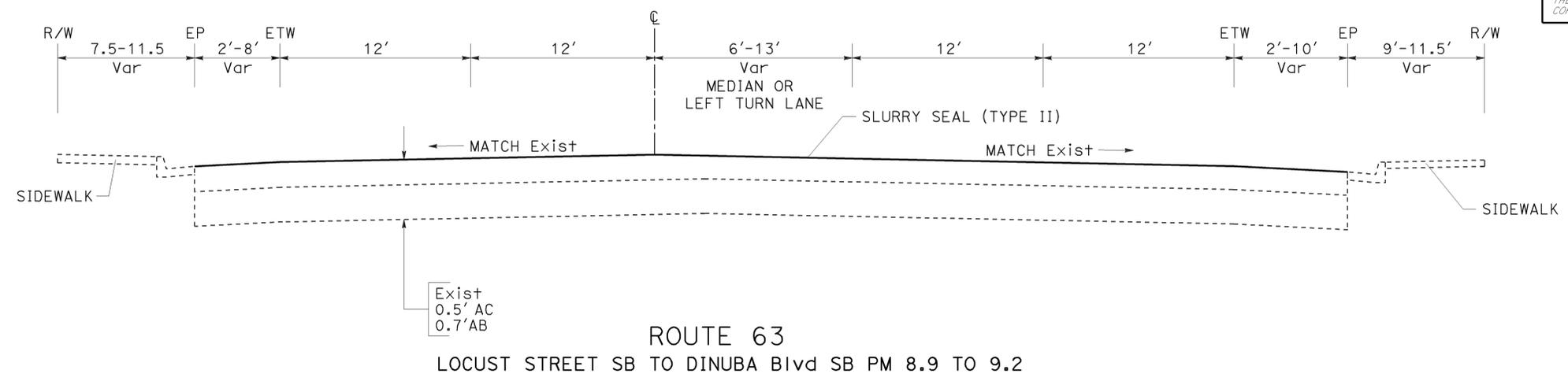
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Tul	63	8.0/9.2, 19.8/R30.0	2	12

REGISTERED CIVIL ENGINEER	DATE
12-21-10	
PLANS APPROVAL DATE	
1-24-11	

REGISTERED PROFESSIONAL ENGINEER
SHUE X. VUE
No. 63657
Exp. 09-30-12
CIVIL

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

- NOTES:
- DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
 - SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER.
 - FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



TYPICAL CROSS SECTIONS

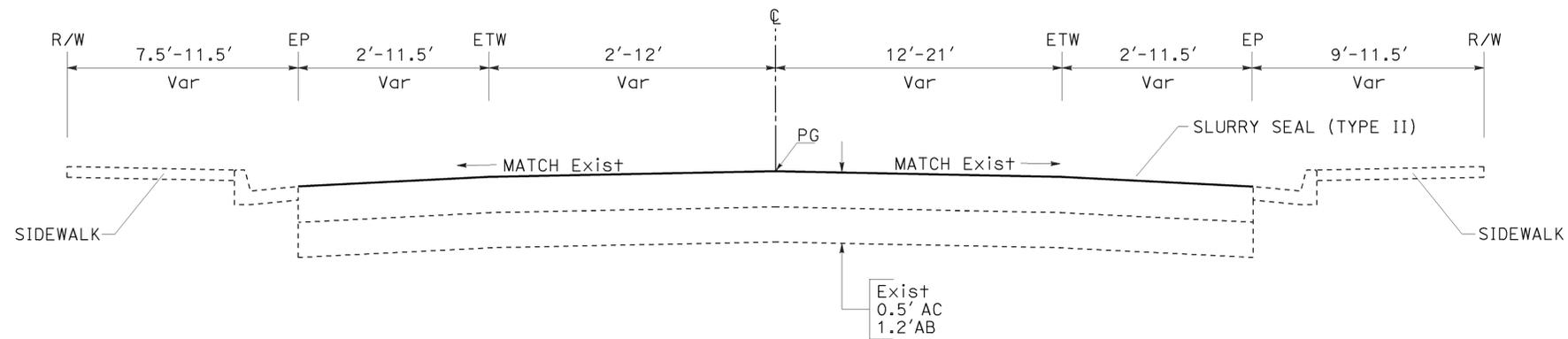
EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS

NO SCALE

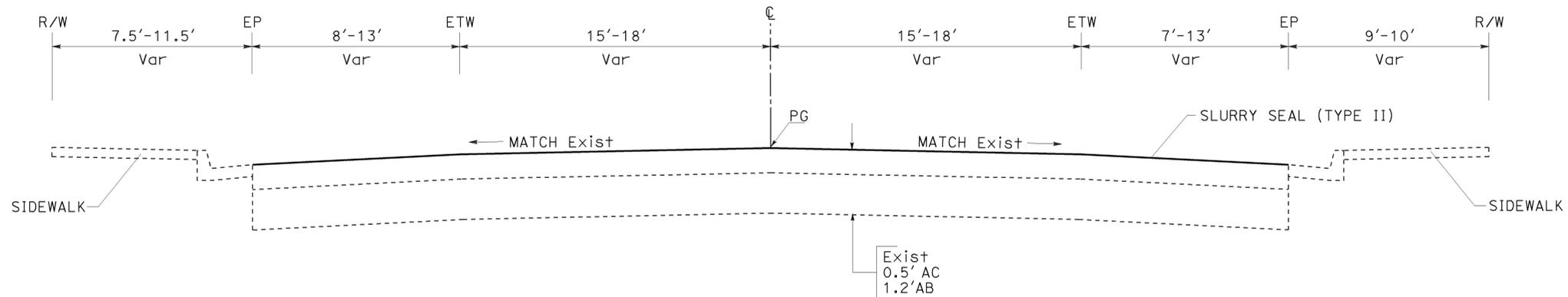
X-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN
 FUNCTIONAL SUPERVISOR: FRANK GONZALEZ
 CALCULATED/DESIGNED BY: CHECKED BY:
 REVISIONS: RENE SIQUEIROS, SHUE VUE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Tul	63	8.0/9.2, 19.8/R30.0	3	12
			REGISTERED CIVIL ENGINEER	DATE	
			12-21-10		
			PLANS APPROVAL DATE		
			1-24-11		
<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>					



ROUTE 63
COURT STREET NB PM 8.3 TO 8.9



ROUTE 63
COURT STREET NB PM 8.0 TO 8.3

TYPICAL CROSS SECTIONS

NO SCALE

X-2

EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS

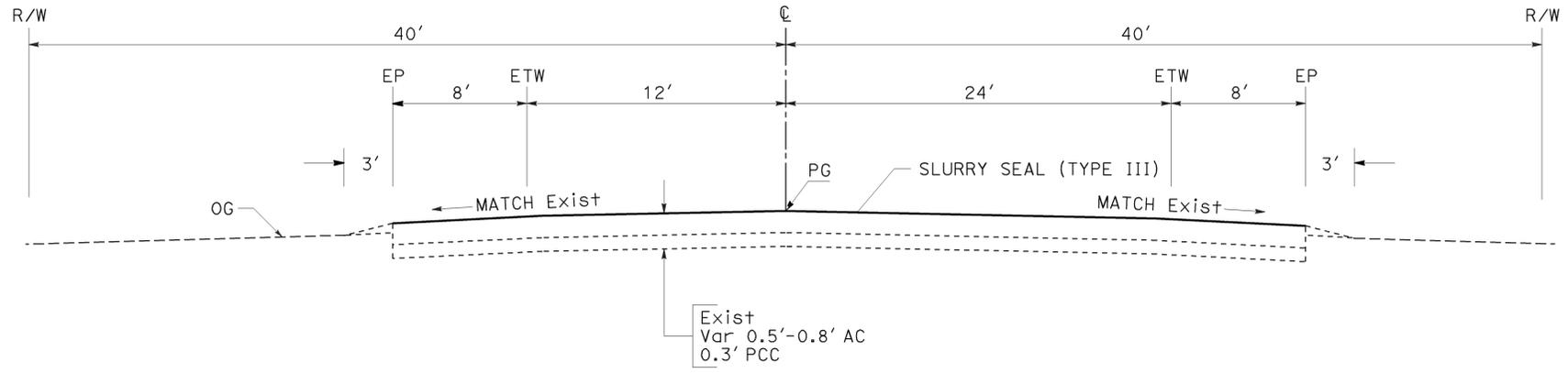
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	REVISOR	REVISION
Caltrans MAINTENANCE DESIGN	FRANK GONZALEZ	CHECKED BY	RENE SIQUEIROS	
			SHUE VUE	
			DATE	
			REVISOR	
			DATE	

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Tul	63	8.0/9.2, 19.8/R30.0	4	12

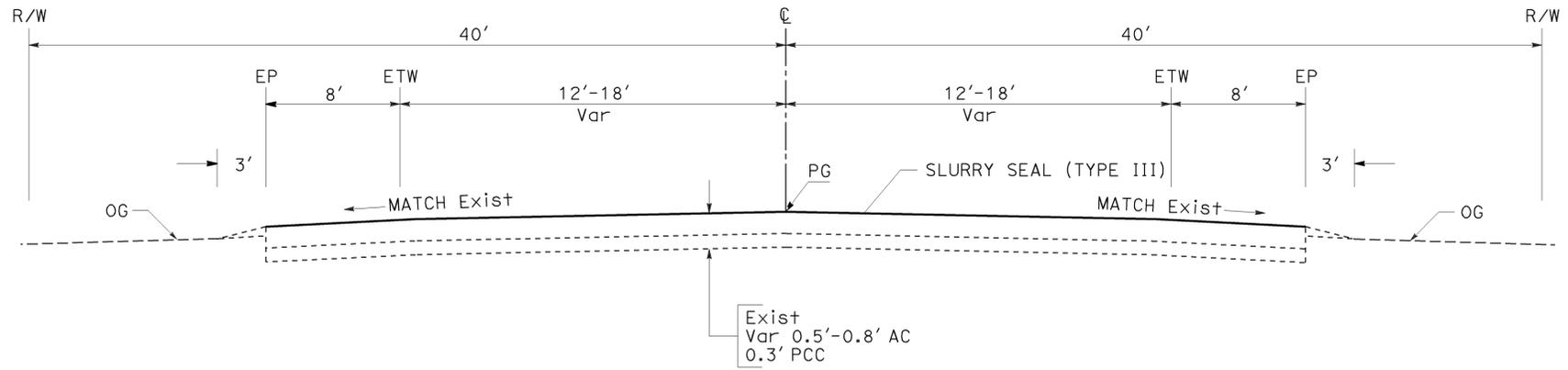
REGISTERED CIVIL ENGINEER DATE 12-21-10
 SHUE X. VUE
 No. 63657
 Exp. 09-30-12
 CIVIL
 PLANS APPROVAL DATE 1-24-11

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.

RENE SIQUEIROS	REVISOR
SHUE VUE	DATE
CHECKED BY	DESIGNED BY
FRANK GONZALEZ	FUNCTIONAL SUPERVISOR
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	
Caltrans MAINTENANCE DESIGN	



ROUTE 63
PM 21.7-22.0



ROUTE 63
PM 19.8-21.7

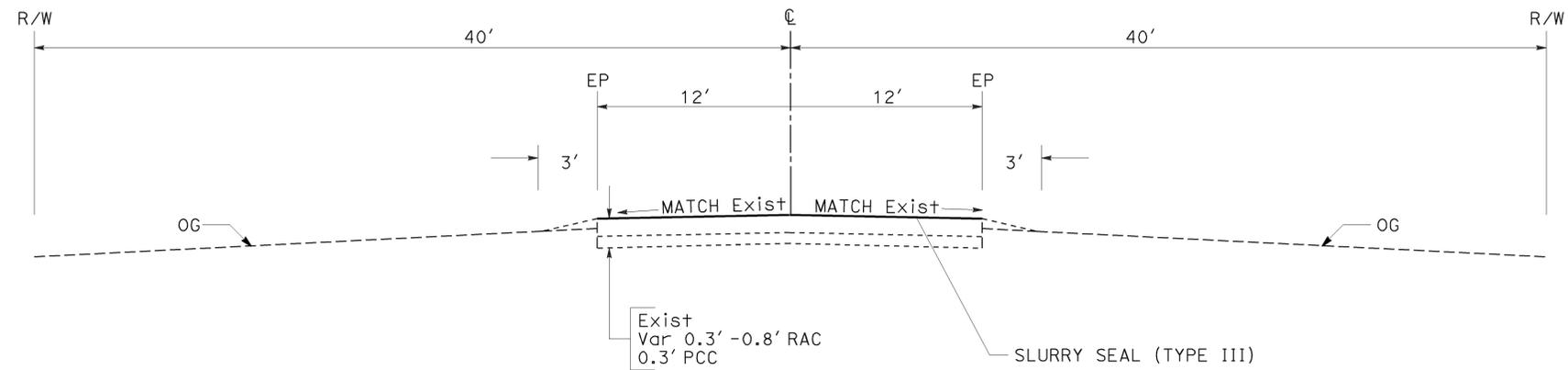
TYPICAL CROSS SECTIONS

NO SCALE

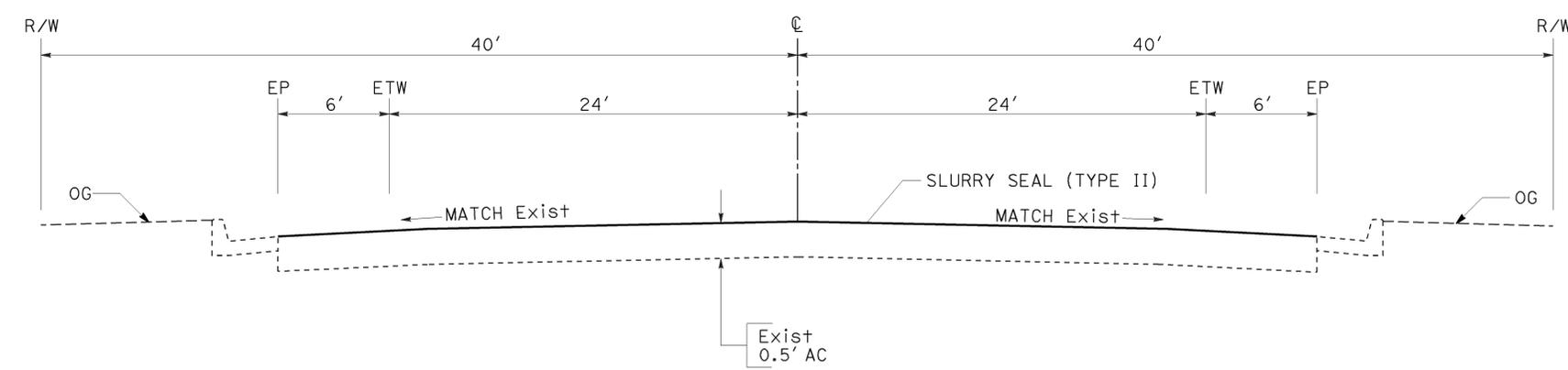
X-3

EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Tul	63	8.0/9.2, 19.8/R30.0	5	12
 REGISTERED CIVIL ENGINEER			12-21-10 DATE		
PLANS APPROVAL DATE 1-24-11					
<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>					



ROUTE 63
PM 24.0-30.0



ROUTE 63
PM 22.0-24.0

TYPICAL CROSS SECTIONS

EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS

NO SCALE

X-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	REVISOR	REVISION
Caltrans MAINTENANCE DESIGN	FRANK GONZALEZ	CHECKED BY	RENE SIQUEIROS	
			SHUE VUE	
			DATE	
			REVISOR	
			DATE	

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Tul	63	8.0/9.2, 19.8/R30.0	6	12

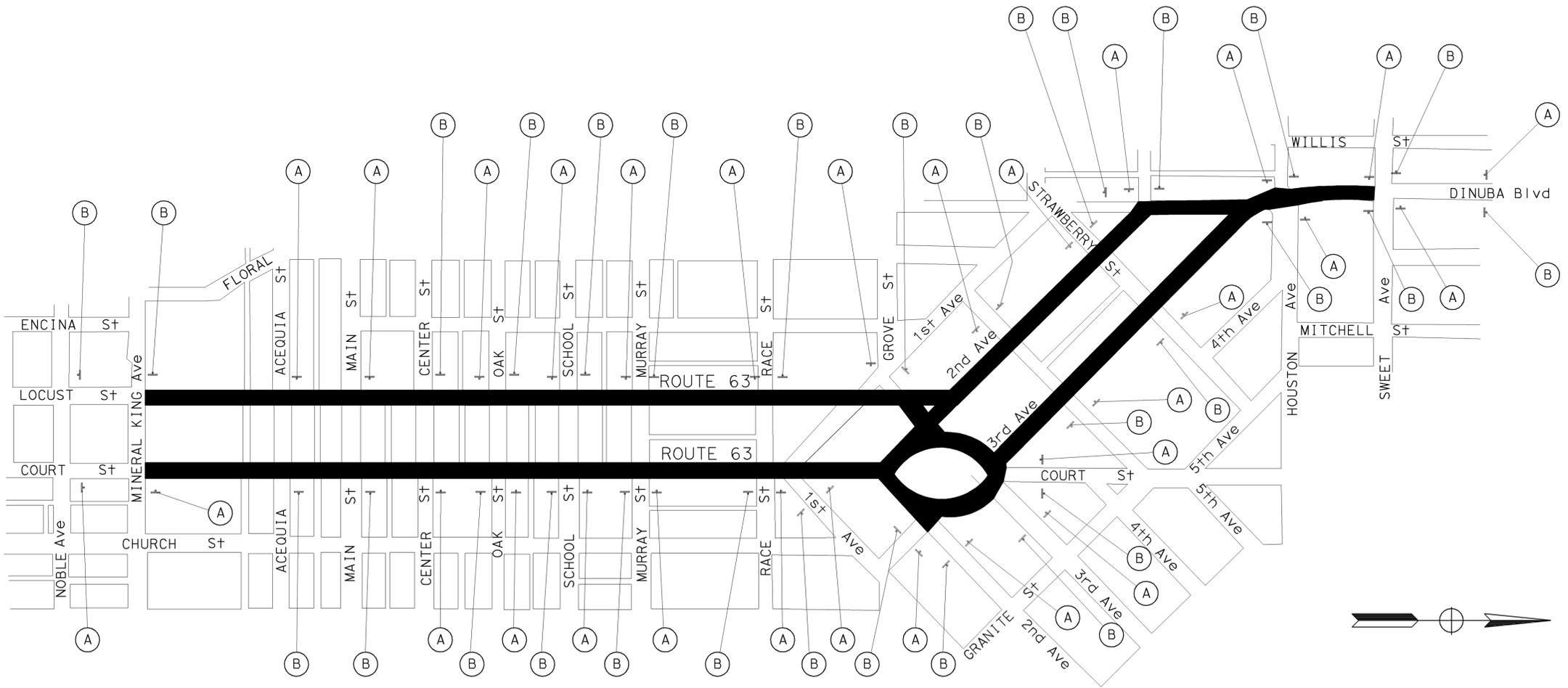
REGISTERED CIVIL ENGINEER DATE 12-21-10
 SHUE X. VUE No. 63657 Exp. 09-30-12 CIVIL
 PLANS APPROVAL DATE 1-24-11

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

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

	SIGN CODE	PANEL SIZE (inch x inch)	SIGN MESSAGE	No. OF POST AND SIZE	No. OF SIGNS
(A)	W20-1	36" x 36"	ROAD WORK AHEAD	1 - 4" x 6"	91
(B)	G20-1	36" x 18"	END ROAD WORK	1 - 4" x 4"	34

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



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN
 FUNCTIONAL SUPERVISOR: FRANK GONZALEZ
 CALCULATED/DESIGNED BY: SHUE X. VUE
 CHECKED BY: RENE SIQUEIROS
 REVISED BY: SHUE X. VUE
 DATE REVISED:

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY.

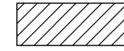
CONSTRUCTION AREA SIGNS
NO SCALE
CS-1

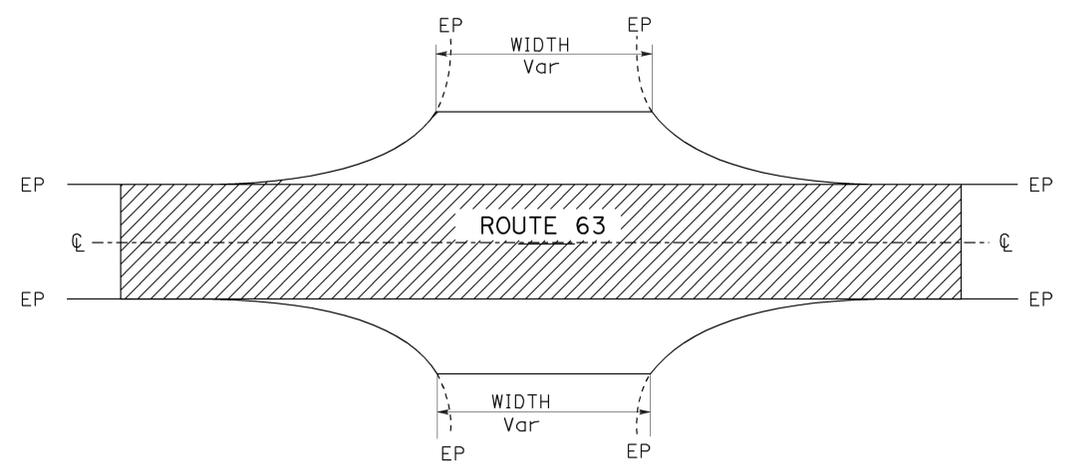
LAST REVISION | DATE PLOTTED => 26-JAN-2011
 12-27-10 TIME PLOTTED => 16:15

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN
 FUNCTIONAL SUPERVISOR: FRANK GONZALEZ
 REVISIONS: RENE SIQUEIROS, SHUE VUE, CALCULATED/DESIGNED BY, CHECKED BY, REVISED BY, DATE REVISED

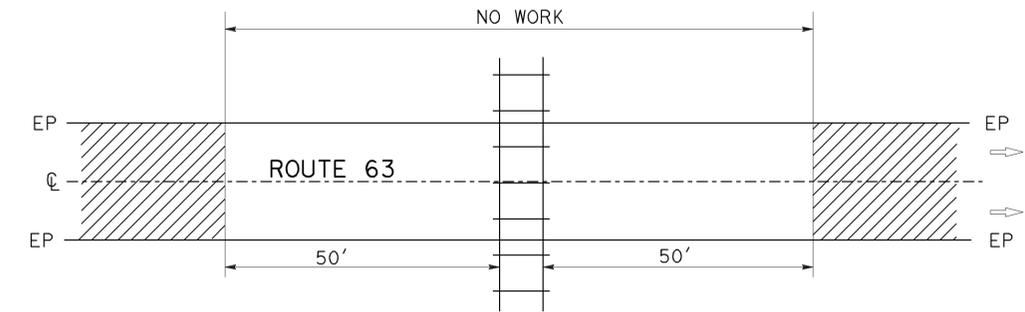
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REGISTERED CIVIL ENGINEER DATE 12-21-10
 1-24-11 PLANS APPROVAL DATE
 SHUE X. VUE No. 63657 Exp. 09-30-12 CIVIL
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

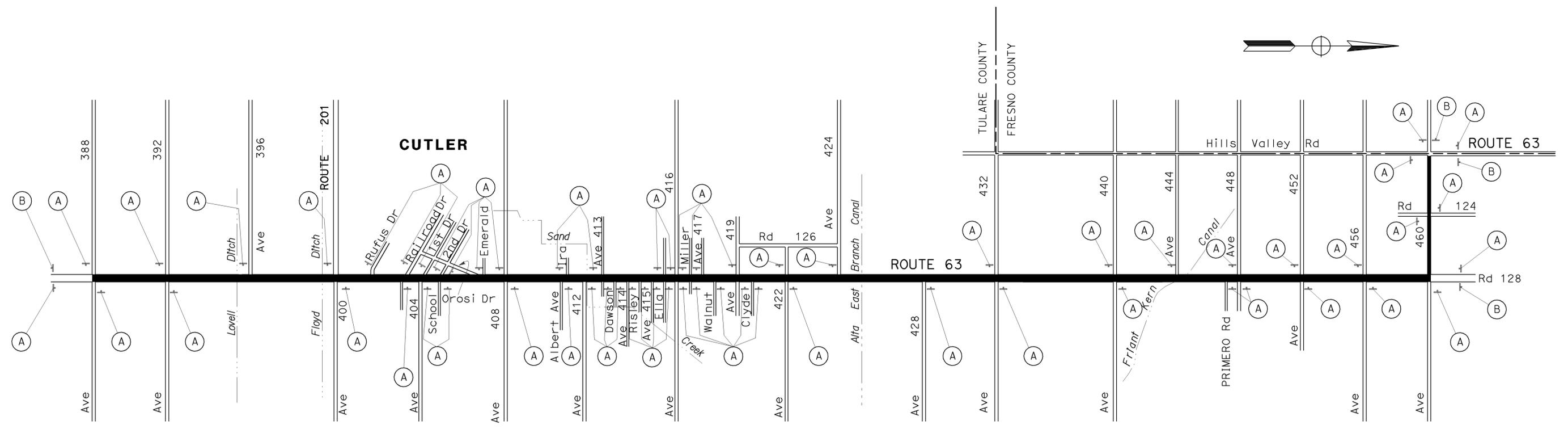
LEGEND
 SLURRY SEAL



TYPICAL LOCAL ROAD INTERSECTION



TYPICAL RAILROAD CROSSING



CONSTRUCTION AREA SIGNS
 NO SCALE
CS-2

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY.



ROADWAY QUANTITIES

LOCATION (PM)	SLURRY SEAL	
	TYPE II	TYPE III
	Ton	Ton
8.0 TO 9.2	485	
19.8 TO 22.0		775
22.0 TO 24.0	575	
24.0 TO R30.0		1370
SUBTOTAL	1060	2145
TOTAL	3205	

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Tul	63	8.0/9.2, 19.8/R30.0	8	12

REGISTERED CIVIL ENGINEER DATE 12-21-10
 1-24-11
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 SHUE X. VUE
 No. 63657
 Exp. 09-30-12
 CIVIL

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PAVEMENT DELINEATION QUANTITIES

LOCATION (PM)	DETAIL No.	PAVEMENT MARKER (RETROREFLECTIVE)				THERMOPLASTIC TRAFFIC STRIPE					REMOVE THERMOPLASTIC TRAFFIC STRIPE LF	REMOVE PAVEMENT MARKER (N) EA	THERMOPLASTIC PAVEMENT MARKING		REMOVE THERMOPLASTIC PAVEMENT MARKING		REMOVE YELLOW THERMOPLASTIC PAVEMENT MARKING (HAZARDOUS WASTE)	
		HYDRANT MARKER (BLUE) EA	TYPE D (YELLOW TWO WAY) EA	TYPE G (CLEAR ONE WAY) EA	TYPE H (YELLOW ONE WAY) EA	4" SOLID LF	4" (BROKEN 36 - 12) LF	4" (BROKEN 17 - 7) LF	4" (BROKEN 12 - 3) LF	8" SOLID LF			DESCRIPTION	SQFT	DESCRIPTION	SQFT	DESCRIPTION	SQFT
		8.0/9.2 NB/SB	9	20		265										2,200	21-TYPE I ARROW	294
	12			18									4-TYPE III ARROW	168	4-TYPE III ARROW	168	4-SLOW (YELLOW)	92
	22		32			690							6-TYPE IV ARROW	90	6-TYPE IV ARROW	90	4-SCHOOL (YELLOW)	140
	29		44			500							3-TYPE VI ARROW	126	3-TYPE VI ARROW	126	4-XING (YELLOW)	84
	32		22			300	300						38-TYPE VII ARROW	1,026	38-TYPE VII ARROW	1,026		
	38			6						120	240		1-TYPE VIII ARROW	36	1-TYPE VIII ARROW	36		
	38A									95	190		LIMIT LINE	945	LIMIT LINE	945		
													2-PED	36	2-PED	36		
													2-XING	42	2-XING	42		
													2-SIGNAL	64	2-SIGNAL	64		
													2-AHEAD	62	2-AHEAD	62		
													4-RR XING SYMBOLS	472	4-RR XING SYMBOLS	472		
													CROSSWALK	5,380	CROSSWALK	5,380		
													CROSSWALK (YELLOW)	180				
													4-SLOW (YELLOW)	92				
													4-SCHOOL (YELLOW)	140				
													4-XING (YELLOW)	84				
19.8/R30.0	6	10	570					27,350					2-TYPE III ARROW	84	2-TYPE III ARROW	84	CROSSWALK (YELLOW)	2,220
	9			475									8-TYPE IV ARROW	120	8-TYPE IV ARROW	120	12-SLOW (YELLOW)	276
	19		230		460	10,830							5-TYPE VI ARROW	210	5-TYPE VI ARROW	210	12-SCHOOL (YELLOW)	420
	22					33,700							4-PED	72	4-PED	72	12-XING (YELLOW)	252
	27B					104,900							5-XING	105	5-XING	105		
	27C								1,800				10-SIGNAL	320	10-SIGNAL	320		
	38			25						500	1,000		12-AHEAD	372	12-AHEAD	372		
													4-STOP	88	4-STOP	88		
													CROSSWALK	2,070	CROSSWALK	2,070		
													LIMIT LINE	948	LIMIT LINE	948		
													CROSSWALK (YELLOW)	2,220				
													12-SLOW (YELLOW)	276				
													12-SCHOOL (YELLOW)	420				
													12-XING (YELLOW)	252				
	SUBTOTAL	30	898	789	460	150,920	28,390	35,240	1,800	715	1,430			16,794		13,130		3,664
	TOTAL			2,177		150,920	28,390	35,240	1,800	715	1,430			16,794		13,130		3,664

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

SUMMARY OF QUANTITIES
Q-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN

USERNAME => s115755
 DGN FILE => 60M430pa001.dgn

RELATIVE BORDER SCALE IS IN INCHES
 0 1 2 3

UNIT 1594

PROJECT NUMBER & PHASE

06000200211

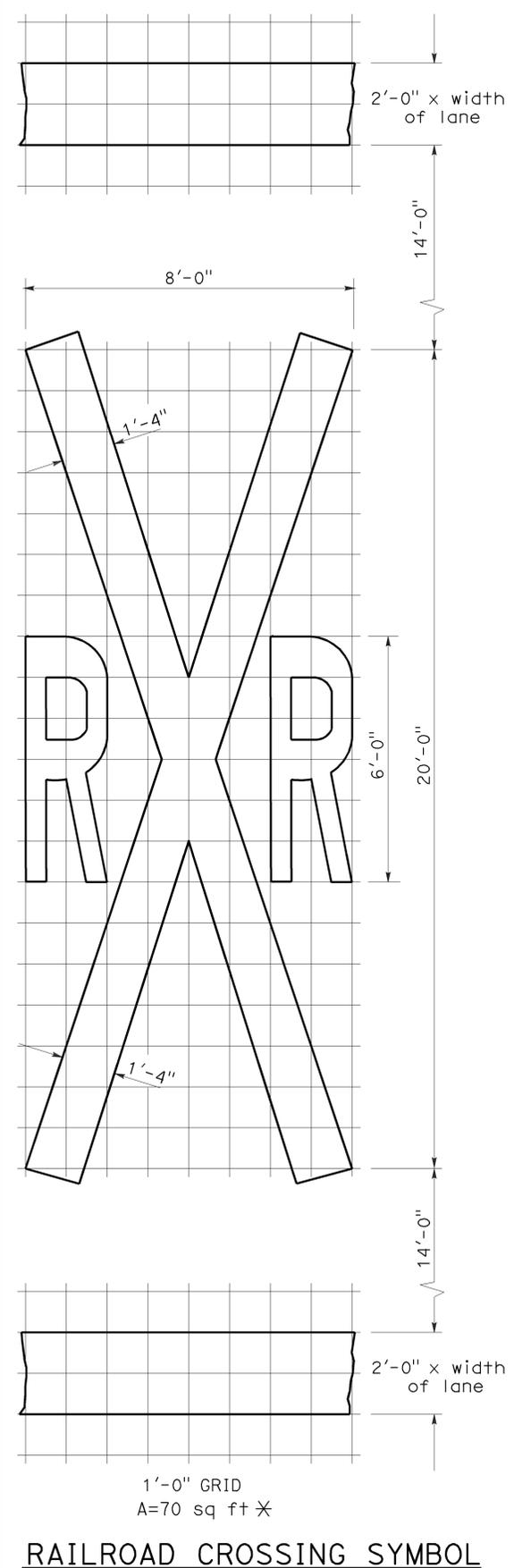
LAST REVISION | DATE PLOTTED => 26-JAN-2011
 12-27-10 TIME PLOTTED => 16:15

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Tul	63	8.0/9.2, 19.8/R30.0	9	12

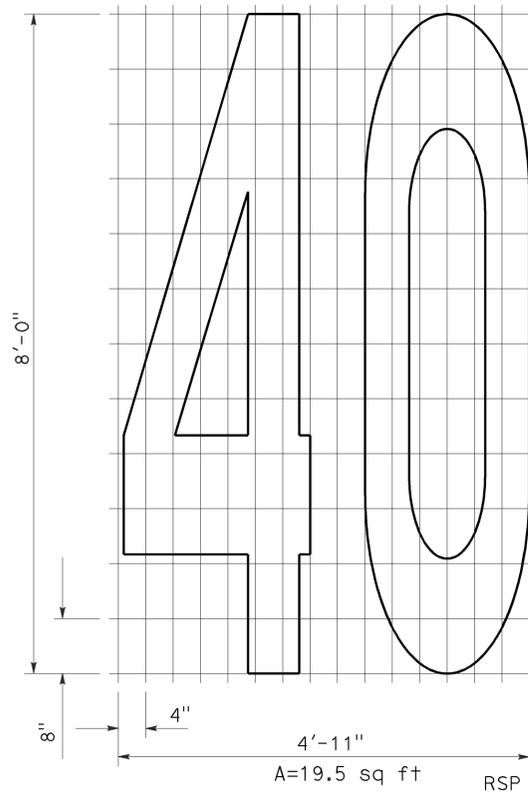
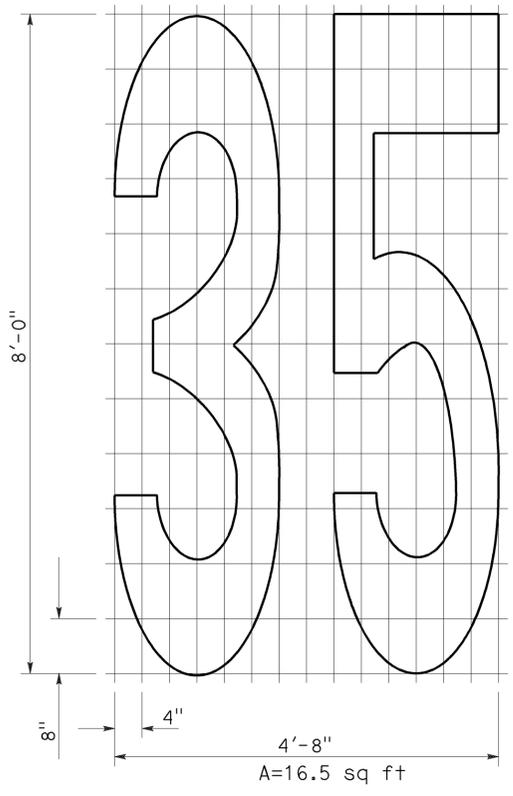
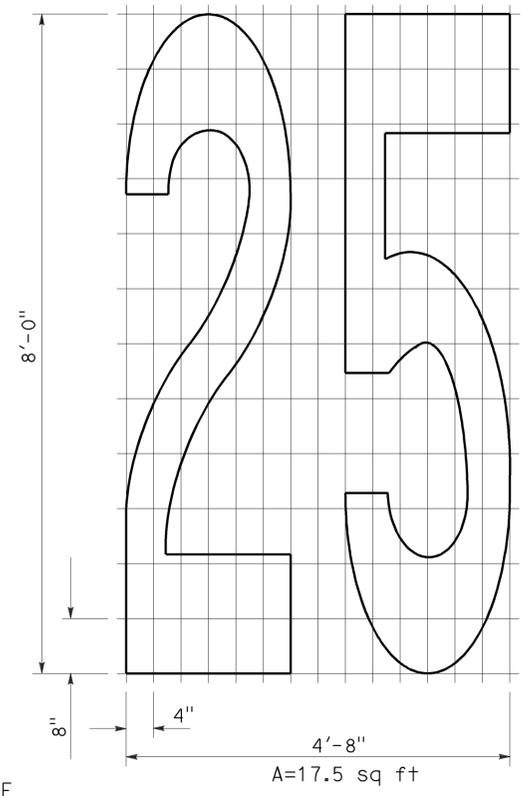
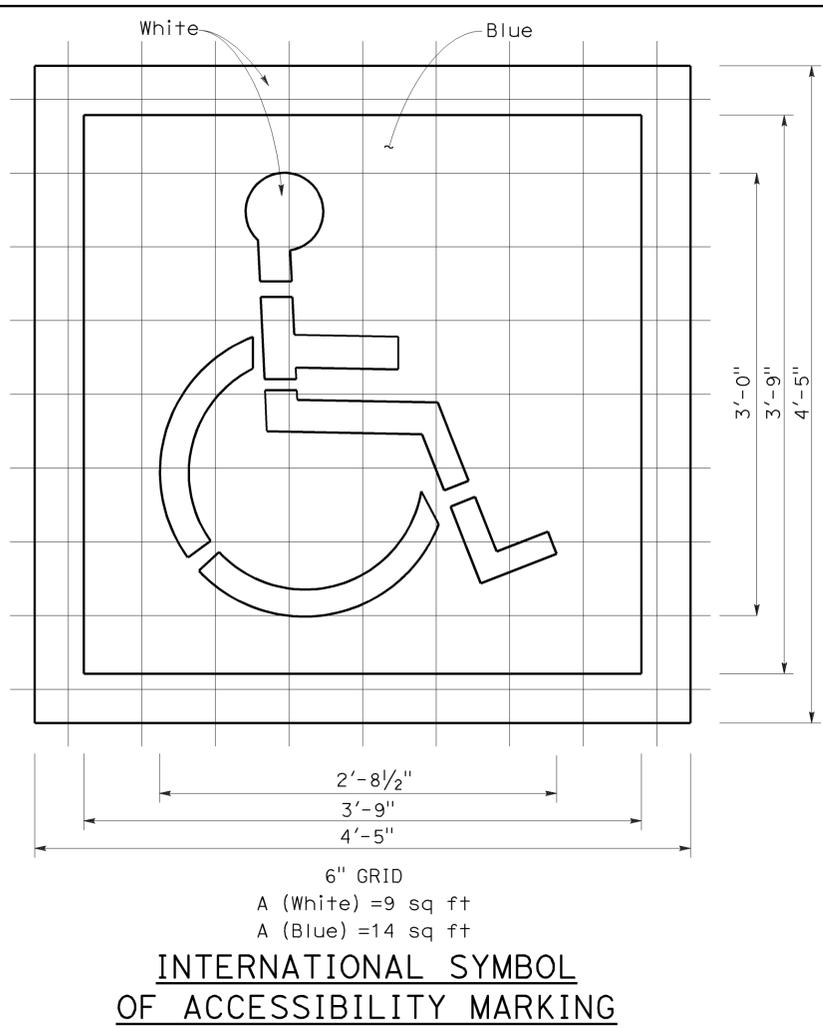
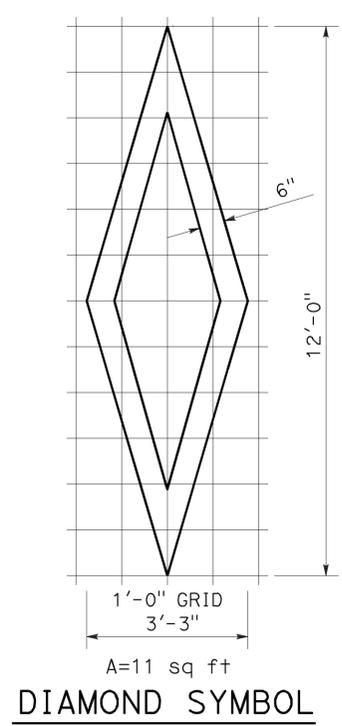
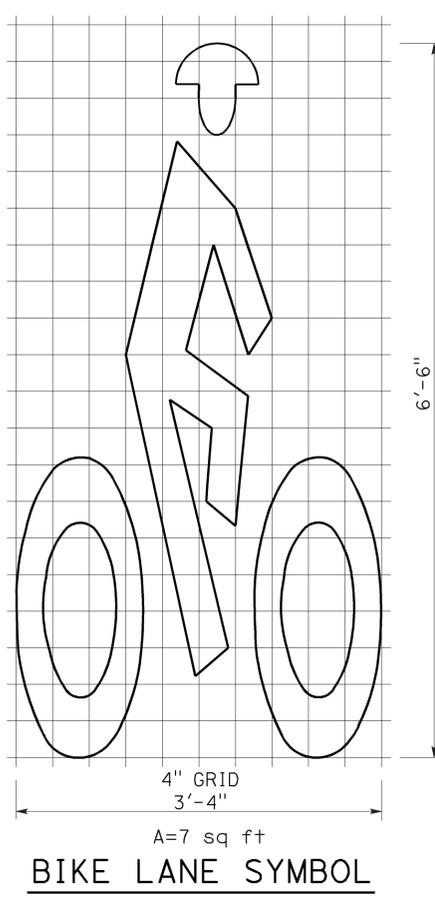
Donald E. Howe
 REGISTERED CIVIL ENGINEER
 June 6, 2008
 PLANS APPROVAL DATE
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REGISTERED PROFESSIONAL ENGINEER
 Donald E. Howe
 No. C46402
 Exp. 3-31-09
 CIVIL
 STATE OF CALIFORNIA

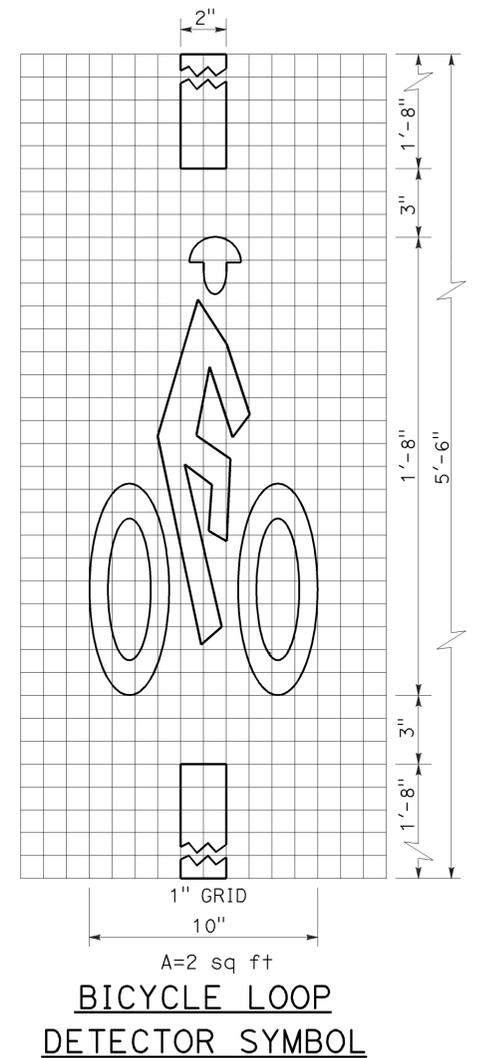
To accompany plans dated 1-24-11



✕70 sq ft DOES NOT INCLUDE THE 2'-0" x VARIABLE WIDTH TRANSVERSE LINES.



NUMERALS



NOTE:
1. Minor variations in dimensions may be accepted by the Engineer.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKINGS SYMBOLS AND NUMERALS
NO SCALE

RSP A24C DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN A24C DATED MAY 1, 2006 - PAGE 11 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP A24C

2006 REVISED STANDARD PLAN RSP A24C

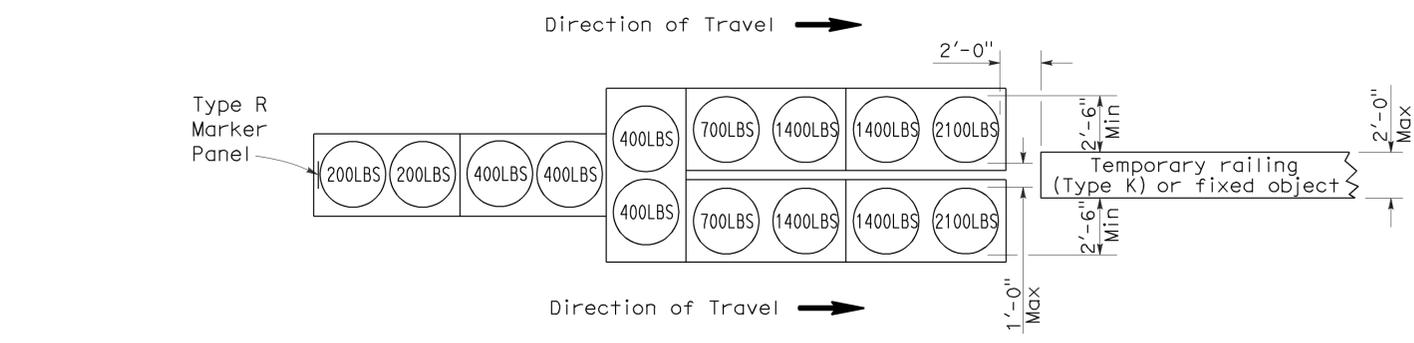
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Tul	63	8.0/9.2, 19.8/R30.0	10	12

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

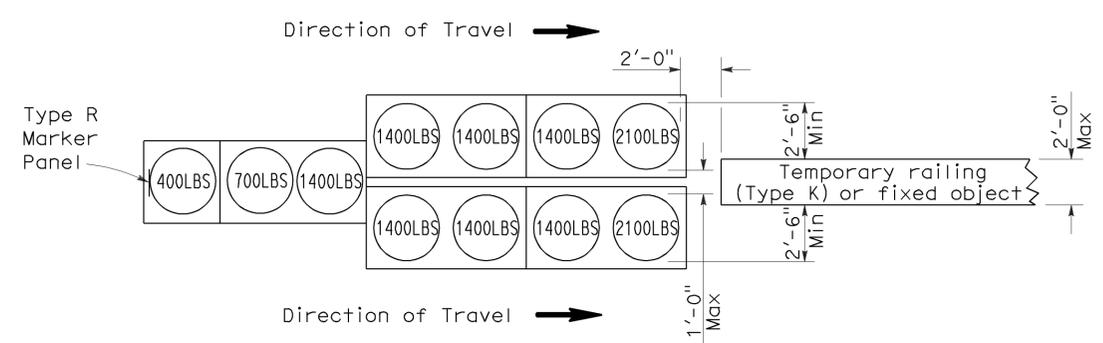
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To accompany plans dated 1-24-11



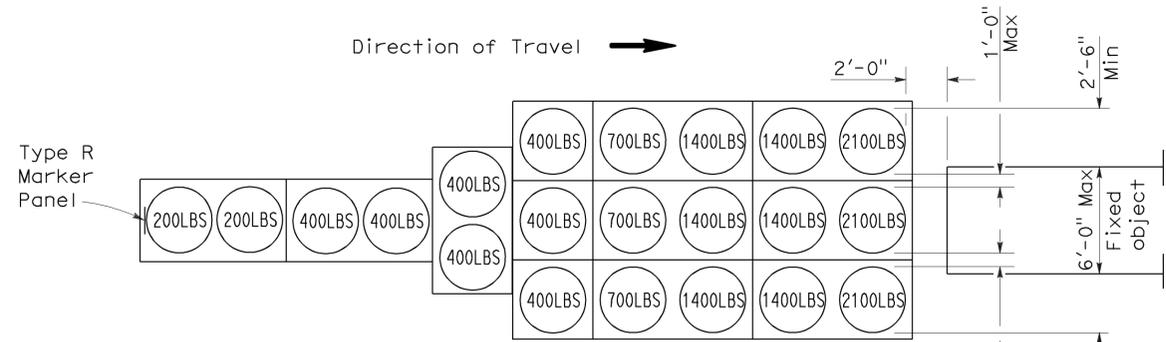
ARRAY 'TU14'

Approach speed 45 mph or more



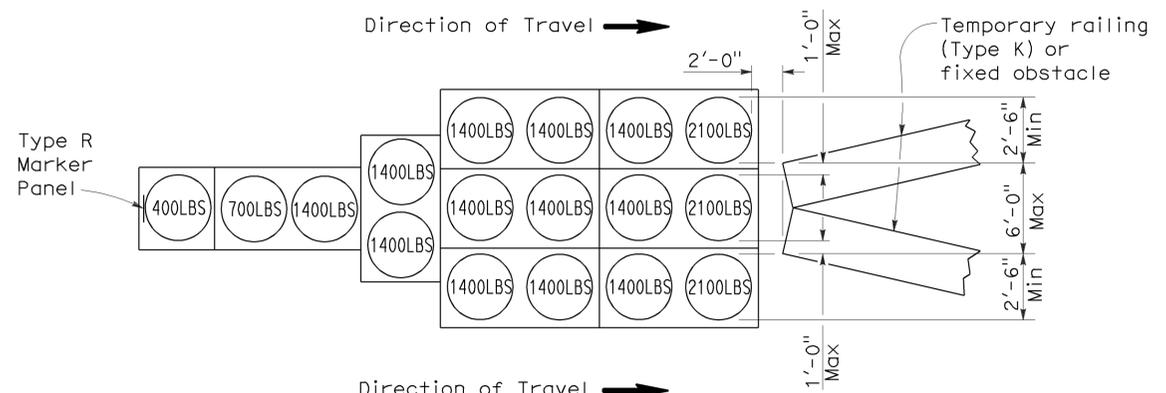
ARRAY 'TU11'

Approach speed less than 45 mph



ARRAY 'TU21'

Approach speed 45 mph or more

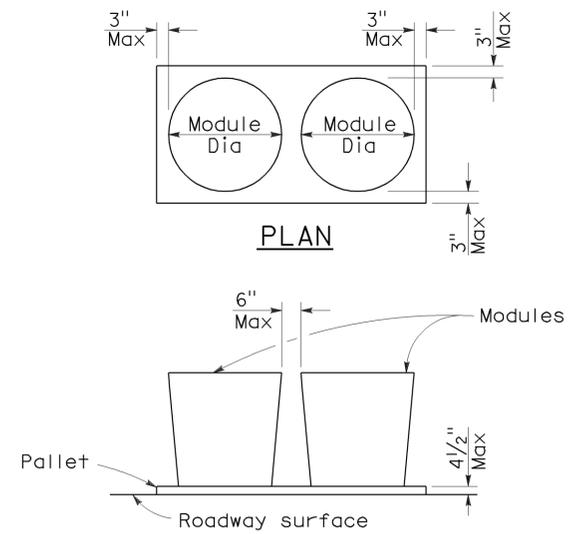


ARRAY 'TU17'

Approach speed less than 45 mph

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.



CRASH CUSHION PALLET DETAIL
See Note 7

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
06	Tul	63	8.0/9.2, 19.8/R30.0	11	12

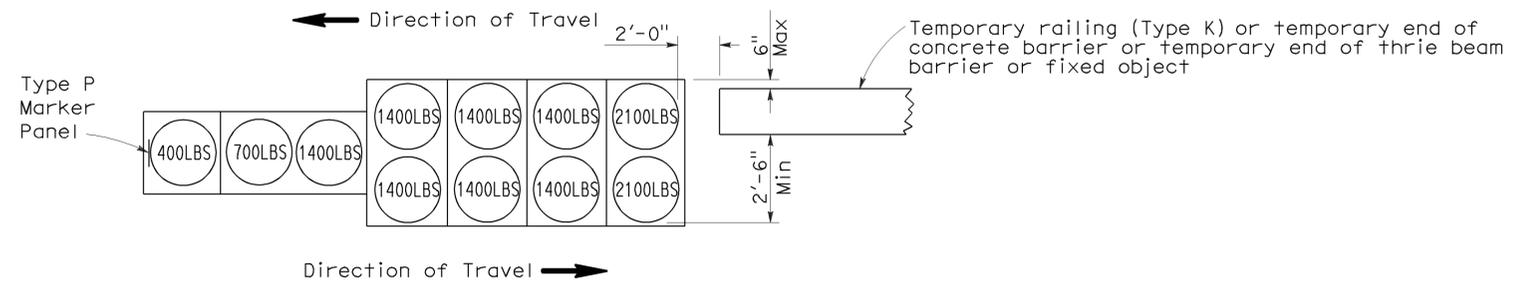
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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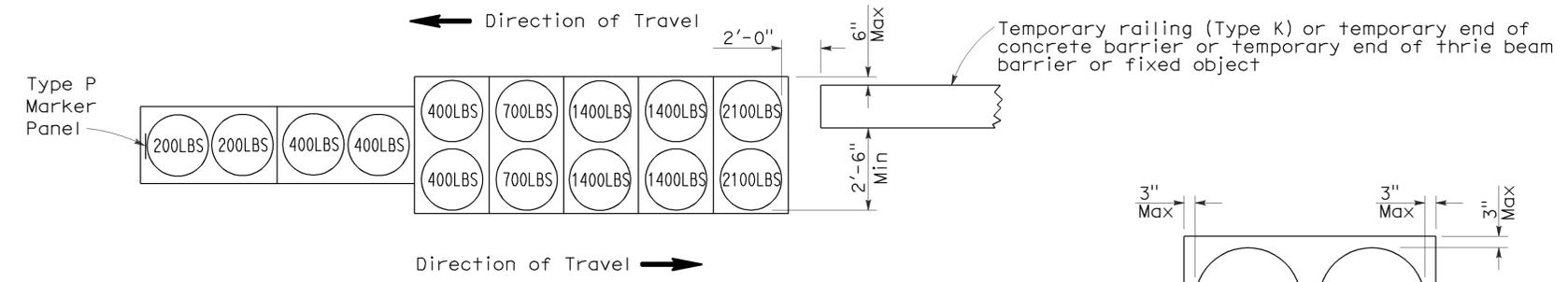
REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

To accompany plans dated 1-24-11



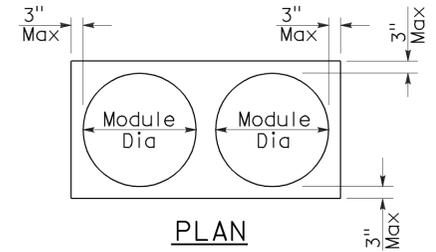
ARRAY 'TB11'

Approach speed less than 45 mph

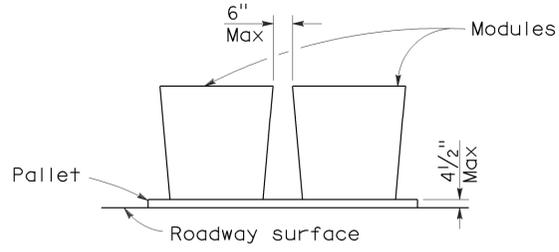


ARRAY 'TB14'

Approach speed 45 mph or more



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

NO SCALE

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

REVISED STANDARD PLAN RSP T1B

2006 REVISED STANDARD PLAN RSP T1B

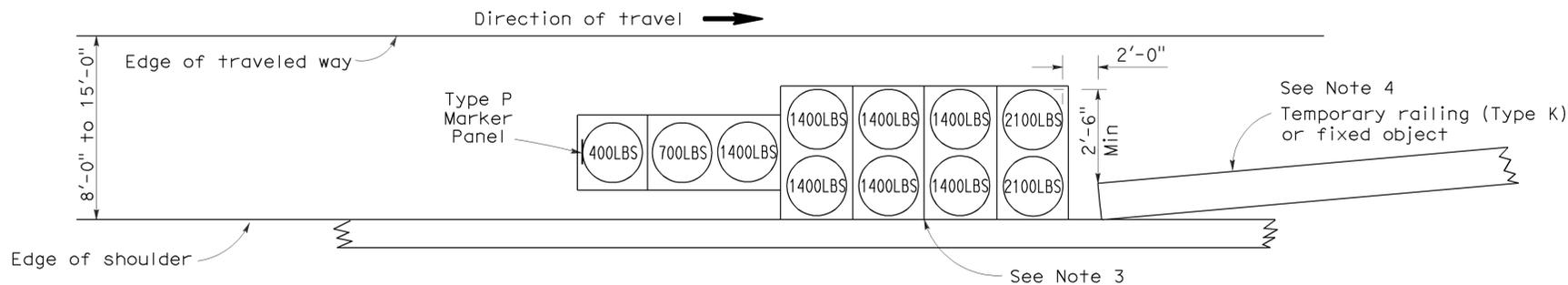
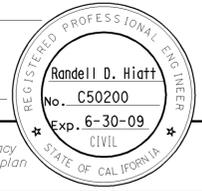
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Tul	63	8.0/9.2, 19.8/R30.0	12	12

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

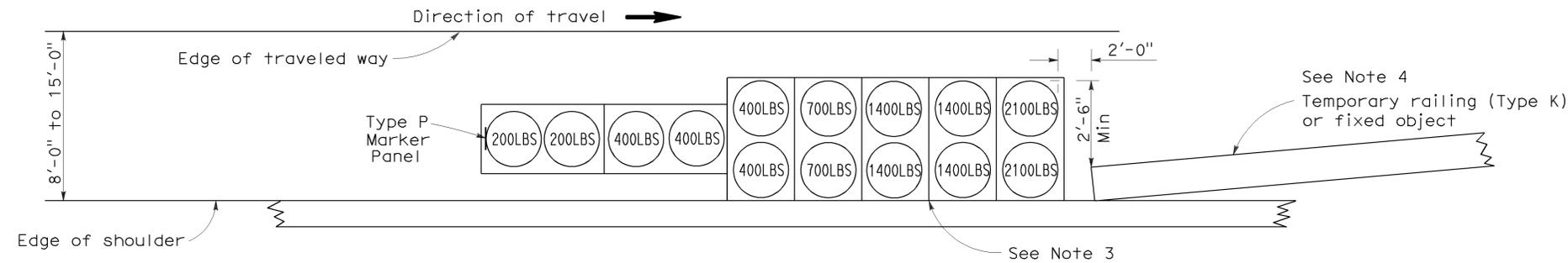
June 6, 2008
PLANS APPROVAL DATE

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 1-24-11



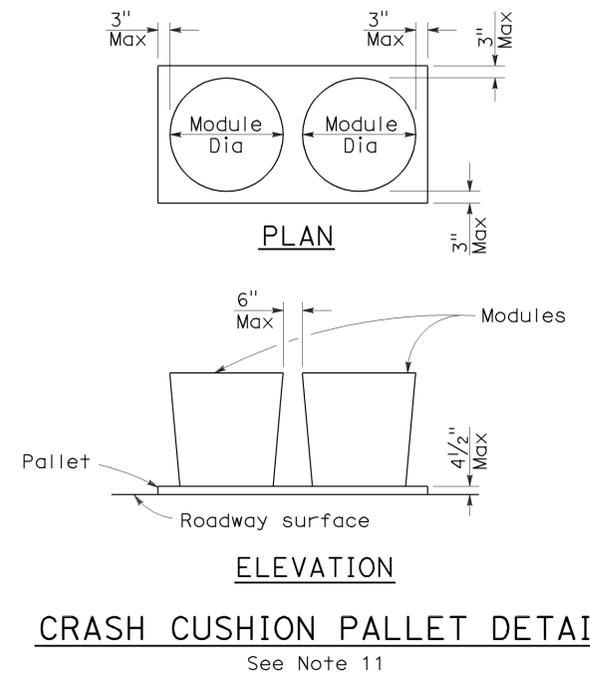
ARRAY 'TS11'
Approach speed less than 45 mph
See Note 9



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