DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	101	744

REGISTERED CIVIL ENGINEER 6-2-11 DATE

10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Rafael A. RAvelo No. 68941 Exp. 12-31-11 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.

PORTABLE CHANGEABLE MESSAGE SIGN [N]

PCMS No.	COUNTY	CITY	DIRECTION	ROUTE	SIGN LOCATION	PCMS DISPLAY					
						3 WEEKS PRIOR TO CLOSURE		1 WEEK PRIOR TO CLOSURE		DURING CLOSURE	
						1ST FLASH	2ND FLASH	1ST FLASH	2ND FLASH	1ST FLASH	2ND FLASH
1	SF	SF		FREMONT St	FREMONT St AT HOWARD St, PLACED ON THE RIGHT SIDE OF ROAD 25 TO 100 FT FROM THE INTERSECTION FACING TRAFFIC FROM THE OFF-RAMP.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	UNTIL DAY AND TIME
2	SF	SF	WB	HOWARD St	WB HOWARD St, BETWEEN 2ND AND 3RD St, PLACED ON THE RIGHT SIDE OF THE ROAD MIDBLOCK.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 DETOUR StRAIGHT	LEFT AT 4TH St
3	SF	SF	WB	HOWARD St	WB HOWARD St, BETWEEN 3RD AND 4TH St, PLACED ON THE LEFT SIDE OF THE ROAD MIDBLOCK.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 DETOUR ←	LEFT AT 4TH St
4	SF	SF	SB	MAIN St	SB MAIN St, BETWEEN BRYANT AND HARRISON St, PLACED ON THE RIGHT HAND SIDE OF THE ROAD.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	USE 280 S TO 101 S TO 92 E
5	SF	SF	SB	1ST St	SB 1ST St, BETWEEN FOLSOM AND HOWARD St, PLACED ON THE RIGHT SIDE OF ROAD MIDBLOCK.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	LOCAL ACCESS ONLY
6	SF	SF	SB	1ST St	SB 1St St AT HARRISON St, PLACED NEAR THE FIRST STREET ONRAMP.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	UNTIL DAY AND TIME
7	SF	SF	NB	2ND St	NB 2ND St, BETWEEN BRANNAN AND BRYANT St, PLACED ON THE RIGHT SIDE OF THE ROAD.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	DETOUR LEFT AT HARRISON
8	SF	SF	NB	2ND St	NB 2ND St AT HARRISON St, PLACED ON THE RIGHT SIDE OF THE ROAD AT CORNER.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	DETOUR ←
9	SF	SF	SB	2ND St	SB 2ND St, BETWEEN FOLSOM AND HARRISON St, PLACED ON THE RIGHT SIDE OF THE ROAD.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	DETOUR RIGHT AT HARRISON
10	SF	SF	NB	3RD St	NB 3RD St, BETWEEN BRYANT AND HARRISON St, PLACED ON THE RIGHT HAND SIDE OF THE ROAD.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	DETOUR LEFT AT HARRISON
11	SF	SF	WB	HARRISON St	WB HARRISON St, BETWEEN 3RD & 4TH St, PLACED ON THE RIGHT HAND SIDE OF THE ROAD.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	EAST BAY DETOUR AHEAD	DETOUR USE 101 S TO 92 E
12	SF	SF	NB	7TH AND HARRISON St	NB 7TH St AT HARRISON St, PLACED ON THE RIGHT SIDE OF 7TH St SOUTH OF HARRISON St.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	DETOUR USE 101 S TO 92 E
13	SF	SF	SB	8th AND HARRISON St	SB 8TH St AT HARRISON St, PLACED AT LEFT SIDE BEFORE BRYANT StREET.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	80 E DETOUR ←
14	SF	SF	EB	80/7TH St	7TH St OFF-RAMP (I.E. EB 80), PLACED AT THE ISLAND FOR THE LEFT LANES.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 EAST DETOUR ←	UNTIL DAY AND TIME
15	SF	SF	EB	BRYANT St	EB BRYANT St, BETWEEN 7TH AND 8TH St, PLACED ON THE LEFT SIDE OF THE ROAD.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	DETOUR LEFT AT 7TH St
16	SF	SF	EB	BRYANT St	EB BRYANT St, BETWEEN 6TH AND 7TH St, PLACED ON THE LEFT SIDE OF THE ROAD.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	DETOUR LEFT AT 6TH St
17	SF	SF	EB	BRYANT St	EB BRYANT St, BETWEEN 5TH AND 6TH St, PLACED ON THE LEFT SIDE OF THE ROAD.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	DETOUR LEFT AT 5TH St
18	SF	SF	EB	BRYANT St	EB BRYANT St, BETWEEN 4TH AND 5TH St, PLACED ON THE LEFT SIDE OF THE ROAD.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	DETOUR LEFT AT 2ND St
19	SF	SF	SB	6TH St	SB 6TH St, BETWEEN BRANNAN AND BRYANT St, PLACED ON THE RIGHT SIDE OF THE ROAD.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	USE 280 S TO 101 S TO 92 E
20	SF	SF	NB	6TH St	NB 6TH St, BETWEEN BRYANT AND HARRISON St, PLACED ON THE RIGHT SIDE OF THE ROAD.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	BRIDGE DETOUR ←	DETOUR USE 101 S TO 92 E
21	SF	SF	NB	5TH St	NB 5TH St, BETWEEN BRYANT AND HARRISON St, PLACED ON THE RIGHT SIDE OF THE ROAD.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	BRIDGE DETOUR ←	DETOUR USE 101 S TO 92 E
22	SF	SF	EB	BRYANT St	EB BRYANT St, BETWEEN 3RD AND 4TH St, PLACED ON THE RIGHT SIDE OF ROAD FACING EB TRAFFIC.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	BRIDGE DETOUR ←	DETOUR USE 101 S TO 92 E
23	SF	SF	EB	BRYANT St	EB BRYANT St, BETWEEN 3RD AND 4TH St, PLACED ON THE LEFT SIDE OF ROAD FACING EB TRAFFIC.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	DETOUR LEFT AT 3RD St
24	SF	SF	EB	BRYANT St	EB BRYANT St, BETWEEN 2ND AND 3RD St, PLACED ON THE RIGHT SIDE OF ROAD FACING EB TRAFFIC.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	DETOUR LEFT AT 3RD St
25	SF	SF	EB	BRYANT St	EB BRYANT St, BETWEEN 2ND AND 3RD St, PLACED ON THE LEFT SIDE OF THE ROAD FACING EB TRAFFIC.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	DETOUR RIGHT AT 2ND St
26	SF	SF	NB	2ND St	NB 2ND St, BETWEEN BRANNAN AND TOWNSEND St, PLACED ON THE RIGHT SIDE OF THE ROAD.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	USE 280 S TO 101 S TO 92 E
27	SF	SF		BRYANT St	ON BRYANT AT 4TH St, ON THE SE CORNER ACROSS FROM THE GAS StATION.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	DETOUR STRAIGHT
28	SF	SF	NB	EMBARCADERO	NB EMBARCADERO WAY AT BRYANT St, PLACED ON THE RIGHT SIDE OF THE ROAD.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	DETOUR USE 101 S TO 92 E
29	SF	SF	SB	EMBARCADERO	SB EMBARCADERO WAY AT BRYANT St, PLACED ON THE RIGHT SIDE OF THE ROAD.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	DETOUR USE 101 S TO 92 E
30	SF	SF		BRYANT St	BRYANT St, BETWEEN EMBARCADERO AND MAIN St, PLACED ON THE RIGHT SIDE OF THE ROAD.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	DETOUR USE 101 S TO 92 E
31	SF	SF		MAIN St	MAIN St AT HARRISON, PLACED AT INTERSECTION ON THE LEFT SIDE OF THE ROAD.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	DETOUR USE 101 S TO 92 E
32	SF	SF		HARRISON St	HARRISON St, BETWEEN MAIN St AND FREMONT, PLACED ON THE RIGHT SIDE OF THE STREET MIDBLOCK FACING WB TRAFFIC.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	DETOUR USE 101 S TO 92 E
33	SF	SF	SB	EMBARCADERO	SB EMBARCADERO WAY AT HOWARD St, PLACED ON THE RIGHT SIDE OF THE ROAD.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	DETOUR USE 101 S TO 92 E
34	SF	SF	SB	VAN NESS Ave	SB SOUTH VAN NESS Ave AND 13TH St, PLACED ON THE LEFT SIDE OF THE APPROACH LANE IN THE GORE AREA.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	DETOUR USE 101 S TO 92 E

REVISED BY | DATE REVISED
RAFAEL RAveLO | GABRIEL TCRUZ
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR
JAIME E. GUTIERREZ

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TOLL BRIDGE

MOTORIST INFORMATION QUANTITIES MIQ-2

LAST REVISION 07-20-11 | DATE PLOTTED => 06-OCT-2011 | TIME PLOTTED => 06:22

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	102	744

Caltrans Metric

REGISTERED CIVIL ENGINEER 6-2-11 DATE

10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Rafael A. RAvelo No. 68941 Exp. 12-31-11 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.

PORTABLE CHANGEABLE MESSAGE SIGN [N]

PCMS No.	COUNTY	CITY	DIRECTION	ROUTE	SIGN LOCATION	PCMS DISPLAY					
						3 WEEKS PRIOR TO CLOSURE		1 WEEK PRIOR TO CLOSURE		DURING CLOSURE	
						1ST FLASH	2ND FLASH	1ST FLASH	2ND FLASH	1ST FLASH	2ND FLASH
34	SF	SF	SB	VAN NESS Ave	SB SOUTH VAN NESS Ave AND 13TH St, PLACED ON THE LEFT SIDE OF THE APPROACH LANE IN THE GORE AREA.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	DETOUR USE 101 S TO 92 E
35	SF	SF	EB	OAK St	EB OAK St, BETWEEN LAGUNA AND OCTAVIA St, PLACED ON THE RIGHT SIDE AT THE APPROACH ON THE SW.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	DETOUR USE 101 S TO 92 E
36	SF	SF	NB	101	NB HOSPITAL CURVE (HWY 101), PLACED ON THE RIGHT SHOULDER BEFORE VERMONT St OFF-RAMP.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	DETOUR USE 101 S TO 92 E
37	SF	SF	WB	80	WB I-80 (NEAR YERBA BUENA ISLAND) EAST SIDE OF THE TUNNEL, PLACED AT THE YBI OFF-RAMP/GORE AREA.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	DETOUR USE 101 S TO 92 E
38	SF	SF	WB	BUSH St	BUSH St WEST OF BATTERY St, PLACED ON THE LEFT SIDE OF BUSH St, 100 FT WEST OF INTERSECTION AFTER 7 PM.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	DETOUR USE 101 S TO 92 E
39	SF	SF	NB	BATTERY St	BATTERY St, NORTH OF BUSH St, PLACED ON BATTERY ON RIGHT SIDE OF STREET (PARKING STALL AREAS) AFTER 7PM.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	DETOUR USE 101 S TO 92 E
40	SF	SF	EB	FOLSOM	EB FOLSOM St, BETWEEN 7TH St AND 8TH St, PLACED ON RIGHT SIDE OF ROAD.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	DETOUR RIGHT AT 7TH St
41	SF	SF	EB	FOLSOM	EB FOLSOM BETWEEN 5TH St AND 6TH St, PLACED ON RIGHT SIDE OF ROAD.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	DETOUR RIGHT AT 4TH St
42	SF	SF	EB	FOLSOM	EB FOLSOM St, BETWEEN 4TH St AND 5TH St. PLACED ON RIGHT SIDE OF ROAD.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	DETOUR RIGHT AT 4TH St
43	SF	SF	SB	1ST St	SB 1St St, BETWEEN MISSION AND HOWARD St.PLACED ON RIGHT SIDE OF ROAD.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	DETOUR RIGHTAT HOWARD
44	SF	SF	EB	FOLSOM	EB FOLSOM St, WEST OF 8TH St.PLACED ON RIGHT SIDE OF ROAD.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	DETOUR RIGHT AT 7TH St
45	SF	SF	EB	BUSH St	EB BUSH St, WEST OF HYDE St PLACED ON THE RIGHT SIDE OF ROAD.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	UNTIL DAY AND TIME
46	SF	SF	SB	OCTAVIA	SB OCTAVIA Blvd AT MARKET St.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	UNTIL DAY AND TIME
47	SF	SF	NB	19TH Ave	NB 19TH Ave, BEFORE OCEAN Ave.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	UNTIL DAY AND TIME
48	SF	SF	NB	3RD SR	NB 3RD St, AFTER EVANS St.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	UNTIL DAY AND TIME
49	SF	SF	NB	ALEMANY Blvd	NB ALEMANY Blvd, AFTER GENEVA Ave.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	UNTIL DAY AND TIME
50	SF	SF	WB	GENEVA Ave	WB GENEVA Ave, BEFORE SAN JOSE Ave.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	UNTIL DAY AND TIME
51	SF	SF	EB	OAK St	EB OAK St, BEFORE MASONIC Ave.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	UNTIL DAY AND TIME
52	SF	SF	NB	19TH Ave	NB 19TH Ave, AFTER LINCOLN WAY.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	UNTIL DAY AND TIME
53	SF	SF	NB	EMBARCADERO	NB EMBARCADERO WAY AT BAY St.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	UNTIL DAY AND TIME
54	SF	SF	SB	VAN NESS Ave	SB VAN NESS Ave, SOUTH OF UNION St.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	UNTIL DAY AND TIME
55	SF	SF	SB	280/101	I-280/US-101 SB, GORE POINT.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	UNTIL DAY AND TIME
56	SF	SF	NB	280	NB I-280, BEFORE GENEVA Ave.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	UNTIL DAY AND TIME
57	SF	SF	NB	280	NB I-280, BEFORE 101 SPLIT.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	UNTIL DAY AND TIME
58	SF	SF	NB	280	NB I-280, BEFORE MARIPOSA St.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	UNTIL DAY AND TIME
59	SF	SF		MISSION St	MISSION St, BEFORE CESAR CHAVEZ St.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	UNTIL DAY AND TIME
60	SF	SF	NB	BAYSHORE	NB BAYSHORE, AFTER GENEVA Ave.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	UNTIL DAY AND TIME
61	SF	SF	EB	FOLSOM	FOLSOM St AT 2ND, RIGHT SIDE FACING EB TRAFFIC.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	UNTIL DAY AND TIME
62	SF	SF	WB	HARRISON St	HARRISON St AT 2ND, PLACED AT THE RIGHT SIDE OF THE ROAD FACING WB TRAFFIC.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	UNTIL DAY AND TIME
63	SF	SF	SB	4TH St	4TH St BETWEEN HOWARD AND FOLSOM FACING SB TRAFFIC.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	UNTIL DAY AND TIME
64	SF	SF	SB	5TH St	5TH St BETWEEN HOWARD AND FOLSOM FACING SB TRAFFIC.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	UNTIL DAY AND TIME
65	SF	SF	SB	MARKET St	MARKET St AT SOUTH VAN NESS Ave.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	UNTIL DAY AND TIME
66	SF	SF		GEARY St	GEARY St AT VAN NESS Ave.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	LEFT AT 4TH St
67	SF	SF		MARKET St	MARKET St AT FILLMORE.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	LEFT AT 4TH St
68	SF	SF		VAN NESS Ave	VAN NESS Ave AT CALIFORNIA St.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	USE 280 S TO 101 S TO 92 E

MOTORIST INFORMATION QUANTITIES

MIQ-3

REVISED BY | DATE REVISED
RAFAEL RAveLO | GABRIEL TCRUZ
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR
JAIME E. GUTIERREZ

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TOLL BRIDGE

LAST REVISION 07-20-11 | DATE PLOTTED => 06-OCT-2011 | TIME PLOTTED => 08:23

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	103	744

REGISTERED CIVIL ENGINEER 6-2-11 DATE

10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Rafael A. RAvelo No. 68941 Exp. 12-31-11 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.

Caltrans Metric

PORTABLE CHANGEABLE MESSAGE SIGN [N]

PCMS No.	COUNTY	CITY	DIRECTION	ROUTE	SIGN LOCATION	PCMS DISPLAY					
						3 WEEKS PRIOR TO CLOSURE		1 WEEK PRIOR TO CLOSURE		DURING CLOSURE	
						1ST FLASH	2ND FLASH	1ST FLASH	2ND FLASH	1ST FLASH	2ND FLASH
69	SF	SF		VAN NESS Ave	VAN NESS Ave AT LOMBARD St.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	LOCAL ACCESS ONLY
70	SF	SF		DIVISIDAERO	DIVISADERO AT LOMBARD St.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	UNTIL DAY AND TIME
71	SF	SF		19TH Ave	19TH Ave AT SLOAT Blvd.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	DETOUR LEFT AT HARRISON
72	SF	SF		PARK PRESIDIO Blvd	PARK PRESIDIO Blvd AT GEARY Blvd.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	DETOUR ←
73	SF	SF		PARK PRESIDIO Blvd	PARK PRESIDIO Blvd AT CALIFORNIA.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	DETOUR ←
74	SF	SF		EMBARCADERO	FERRY BUILDING AT THE EMBARCADERO.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	DETOUR RIGHT AT HARRISON
75	SF	SF		BROADWAY	BROADWAY AT THE EMBARCADERO.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	DETOUR LEFT AT HARRISON
76	Ala	OAKLAND		580	I-580, WB BEFORE HWY 24/980 OFF RAMP (TO SB I-880).	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	DETOUR LEFT AT HARRISON
77	Ala	OAKLAND	WB	580	I-580, WB BEFORE I-580/I-80 NB OFF RAMP (ALREADY EXIST).	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	DETOUR LEFT AT HARRISON
78	Ala	OAKLAND	WB	12TH St	12TH St, WB BEFORE HWY 24/980.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	DETOUR LEFT AT HARRISON
79	Ala	OAKLAND	WB	WEBSTER St	WEBSTER St (POSEY TUBE) IN AlaMEDA.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	DETOUR LEFT AT HARRISON
80	Sol		WB	80	WB I-80 AT CORDELIA JUNCTION.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
81	Sol		WB	80	WB I-80 EAST OF AMERICAN CANYON RD.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
82	Sol		WB	80	WB I-80 AT EAST OF CARQUINEZ BRIDGE .	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
83	CC		WB	80	WB I-80 EAST OF RICHMOND PARKWAY.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
84	CC				EAST OF MCDONALD Ave.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
85	CC		WB	24	WB ROUTE 24 EAST OF CAMINO PABLO.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
86	Ala		WB	580	WB I-580 WEST OF WB I-80.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
87	Ala		WB	580	WB I-580 AT CASTRO VALLEY "Y".	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
88	Ala		NB	880	NB I-880 SOUTH OF ROUTE 92.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
89	Ala		WB	80	WB I-80 AT EB I-580 SPLIT.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
90	Ala		WB	80	WB I-580 EB I-80 SPLIT.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
91	Ala		WB	24	WB ROUTE 24 EAST OF TELEGRAPH Ave.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
92	Ala		NB	880	NB I-880 SOUTH OF OAK St SOUTH OF 5TH.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
93	Ala		EB	980	EB I-980 SOUTH OF 14TH St.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
94	Ala		WB	580	WB I-580 AT GRAND Ave VIADUCT.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
95	CC		WB	4	WB ROUTE 4 EAST OF ROUTE 242.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
96	Ala		NB	880	NB I-880 SOUTH OF ROUTE 84.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
97	CC		SB	680	SB I-680 PRIOR TO I-680 I/C.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
98	Ala		WB	580	WB I-580 PRIOR TO I-680 I/C.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
99	Ala		SB	880	SB I-880 PRIOR TO ROUTE 92 I/C.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
100	Ala		NB	880	NB I-880 PRIOR TO ROUTE 237.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
101	Ala		WB	80	WB I-80 AT POWELL St.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
102	Ala		WB	80	WB I-80 AT POWELL St ON-RAMP.	I-80 BAY BRDG CLOSURE	DAY AND DATE	I-80 BAY BRDG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE

REVISED BY | DATE REVISED

RAFAEL RAveLO | GABRIEL TCRUZ

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR

JAIME E. GUTIERREZ

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans TOLL BRIDGE

MOTORIST INFORMATION QUANTITIES

MIQ-4

LAST REVISION 07-20-11 | DATE PLOTTED => 06-OCT-2011 TIME PLOTTED => 06:23

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	104	744

REGISTERED CIVIL ENGINEER 6-2-11 DATE

10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Rafael A. RAvelo No. 68941 Exp. 12-31-11 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.

Caltrans Metric

PORTABLE CHANGEABLE MESSAGE SIGN [N]

PCMS No.	COUNTY	CITY	DIRECTION	ROUTE	SIGN LOCATION	PCMS DISPLAY					
						3 WEEKS PRIOR TO CLOSURE		1 WEEK PRIOR TO CLOSURE		DURING CLOSURE	
						1ST FLASH	2ND FLASH	1ST FLASH	2ND FLASH	1ST FLASH	2ND FLASH
103	Ala		WB	580	WB I-580 BEFORE CA-24/I-980 OFF RAMP (TO SOUTH I-880).	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
104	Ala		WB	24/980	AT 12TH STREET, WB BEFORE HWY 24/I-980.	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
105	Ala		WB	WEBSTER St	WEBSTER St POSEY TUBE IN ALAMEDA.	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
106	Ala		WB	880	ON HIGH St WB AT I-880.	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
107	Ala		WB	AIRPORT Dr	AT AIRPORT DRIVE EB FROM OAKLAND INTERNATIONAL AIRPORT.	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
108	Ala				OAKLAND AIRPORT.	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
109	Mrn		SB	101	NORTH OF US-101/I-580 JUNCTION.	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
110	Mrn		SB	101	SOUTH OF TIBURON Blvd/EAST BLITHEDALE Ave.	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
111	Mrn		SB	101	NORTH OF SAUSALITO LATERAL Rd.	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
112	SM		NB	1	NORTH OF CANADA Ave.	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
113	SM		NB	280	NORTH OF SERRAMONTE Blvd.	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
114	SM		EB	380	WEST OF I-380/CA-92 JUNCTION.	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
115	SM		EB	92	WEST OF CA-92/I-280 JUNCTION.	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
116	SM		NB	280	SOUTH OF I-280/CA-92 JUNCTION.	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
117	SM				SAN FRANCISCO AIRPORT.	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
118	SF		WB	80	WB I-80 ONRAMP EASTSIDE OF YBI.	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
119	SF		WB	80	WB I-80 ONRAMP WESTSIDE OF YBI.	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
120	SAC		WB	80	SACRAMENTO AIRPORT (LOCATION TBD).	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
121	SJ		NB	101	SAN JOSE AIRPORT (LOCATION TBD).	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
122	SF		SB	280	I-280 SB/US-101 SB GORE SPLIT.	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
123	SF		NB	280	NB I-280 BEFORE GENEVA Ave.	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
124	SF		NB	280	NB I-280 BEFORE US-101 SPLIT.	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
125	SF		NB	280	NB I-280 BEFORE MARIPOSA.	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
126	SF		NB	MISSION St	NB MISSION St BEFORE CESAR CHAVEZ St.	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
127	SF		NB	BAYSHORE	NB BAYSHORE Blvd AFTER GENEVA Ave.	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
128	Ala		WB	92	I-880 SOUTH AT CA-92 W CONNECTOR FACING CONNECTOR TRAFFIC.	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
129	Ala		WB	92	CA-92 W BEFORE NORTH CONNECTOR FACING CA-92 W TRAFFIC.	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
130	Ala		WB	92	CA-92 W AFTER I-880 SB/CA-92 WB CONNECTOR FACING CA-92 WB TRAFFIC.	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
131	SM		SB	101	A MILE PRIOR TO CA-92.	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
132	Ala		SB	880	HALF A MILE PRIOR TO CA-92.	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
133	SM		NB	101	HALF A MILE PRIOR TO CA-84.	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
134	Ala		WB	580	HALF A MILE PRIOR TO CA-238/I-580.	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
135	CC		WB	80	BETWEEN RICHMOND PKWY AND CUTTING Blvd.	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
136	Mrn		SB	101	ONE MILE BEFORE ANDERSON EXIT.	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE

MOTORIST INFORMATION QUANTITIES

MIQ-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans **TOLL BRIDGE**

FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ
CALCULATED-DESIGNED BY: RAFAEL RAVELO
CHECKED BY: GABRIEL TORRUZ
REVISED BY / DATE REVISED

LAST REVISION 07-20-11
DATE PLOTTED => 06-OCT-2011
TIME PLOTTED => 06:23

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	105	744

REGISTERED CIVIL ENGINEER 6-2-11 DATE

10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Rafael A. RAvelo No. 68941 Exp. 12-31-11 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.

PORTABLE CHANGEABLE MESSAGE SIGN [N]

PCMS No.	COUNTY	CITY	DIRECTION	ROUTE	SIGN LOCATION	PCMS DISPLAY					
						3 WEEKS PRIOR TO CLOSURE		1 WEEK PRIOR TO CLOSURE		DURING CLOSURE	
						1ST FLASH	2ND FLASH	1ST FLASH	2ND FLASH	1ST FLASH	2ND FLASH
137	Mrn		WB	580	QUARTER MILE BEFORE SAN QUENTIN.	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
138	Mrn		WB	580	ONE MILE BEFORE SIR FRANCES DRAKE.	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
139	Mrn		NB	101	HALF MILE BEFORE SIR FRANCES DRAKE.	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	UNTIL DAY AND TIME
140	Mrn		SB	101	HALF A MILE BEFORE SIR FRANCES DRAKE.	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	UNTIL DAY AND TIME
141	SM		SF		INTERNATIONAL TERMINAL OUTBOUND RAMP, UPPER LEVEL.	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
142	SM		SF		DOMESTIC TERMINAL OUTBOUND RAMP, LOWER LEVEL.	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
143	SM		SF		RENTAL CAR FACILITY ON NORTH MCDONNELL Rd, FACING EXITING TRAFFIC.	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
144	SM		SF		LONG TERM PARKING GARAGE EXIT, FACING EXITING TRAFFIC.	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
145	SM		SF		LONG TERM PARKING SURFACE LOT EXIT, FACING EXITING TRAFFIC.	I-80 BAY BRdG CLOSURE	DAY AND DATE	I-80 BAY BRdG CLOSURE	DAY DATE AND TIME	I-80 BAY BRIDGE CLOSED	TIME AND DATE
146	Ala	HAYWARD	SB	185	185 MISSION APPROX 230FT JUST NORTH OF INTERSECTION OF JACKSON, BETWEEN PIZZA HUT & GRAY BLDG .	I-80 BAY BRdG CLOSURE	DAY AND DATE	WB-92 ONE LANE ONLY	DAY DATE AND TIME	WB 92 EXPECT DELAY	DAY AND TIME
147	Ala	HAYWARD	SB	238	CA-238 FOOTHILL APPROX 250 FT JUST NORTH OF INTERSECTION OF B St.	I-80 BAY BRdG CLOSURE	DAY AND DATE	WB-92 ONE LANE ONLY	DAY DATE AND TIME	WB 92 EXPECT DELAY	DAY AND TIME
148	Ala	HAYWARD	WB	B St	B St 250 FT JUST EAST OF INTERSECTION OF FOOT HILL.	I-80 BAY BRdG CLOSURE	DAY AND DATE	WB-92 ONE LANE ONLY	DAY DATE AND TIME	WB 92 EXPECT DELAY	DAY AND TIME
149	Ala	HAYWARD	WB	D St	D St APPROX 270 FT JUST EAST OF INTERSECTION OF 1St St.	I-80 BAY BRdG CLOSURE	DAY AND DATE	WB-92 ONE LANE ONLY	DAY DATE AND TIME	WB 92 EXPECT DELAY	DAY AND TIME
150	Ala	HAYWARD	SB	238	CA-238 MISSION 100 FT JUST NORTH OF INTERSECTION OF HARdER.	I-80 BAY BRdG CLOSURE	DAY AND DATE	WB-92 ONE LANE ONLY	DAY DATE AND TIME	WB 92 EXPECT DELAY	DAY AND TIME
151	Ala	HAYWARD	WB	HARDER Rd	HARdER 100 FT JUST EAST OF INTERSECTION OF CA-238 MISSION.	I-80 BAY BRdG CLOSURE	DAY AND DATE	WB-92 ONE LANE ONLY	DAY DATE AND TIME	WB 92 EXPECT DELAY	DAY AND TIME
152	Ala	HAYWARD	WB	HARDER Rd	HARdER Rd X SOTO Rd (GAS STATION DRIVEWAY).	I-80 BAY BRdG CLOSURE	DAY AND DATE	WB-92 ONE LANE ONLY	DAY DATE AND TIME	WB 92 EXPECT DELAY	DAY AND TIME
153	Ala	HAYWARD	EB	W HARdER Rd	HARdER Rd 100 FT JUST WEST OF INTERSECTION OF GADING Rd.	I-80 BAY BRdG CLOSURE	DAY AND DATE	WB-92 ONE LANE ONLY	DAY DATE AND TIME	WB 92 EXPECT DELAY	DAY AND TIME
154	Ala	HAYWARD	SB	238	CA-238 MISSION 100 FT JUST NORTH OF INTERSECTION OF TENNYSON Rd.	NO MESSAGE	NO MESSAGE	NO MESSAGE	NO MESSAGE	NO MESSAGE	NO MESSAGE
155	Ala	HAYWARD	SB	PATRICK Ave	PATRICK Ave APPROX 200 FT JUST NORTH OF TENNYSON Rd INTERSECTION.	NO MESSAGE	NO MESSAGE	NO MESSAGE	NO MESSAGE	NO MESSAGE	NO MESSAGE
156	Ala	HAYWARD	NB	880	NB I-880 1/4 MILE BEFORE TENNYSON Rd OFF RAMP.	WB 92 ON RAMP CLOSURE	DAY AND DATE	WB 92 ONRAMP CLOSURE	DAY DATE AND TIME	WB 92 ON RAMP CLOSED	USE TENNYSON
157	Ala	HAYWARD	WB	TENNYSON Rd	TENNYSON Rd APPROX 220 FT BEFORE SLEEPY HOLLOW INTERSECTION FACING WB TRAFFIC.	NO MESSAGE	NO MESSAGE	NO MESSAGE	NO MESSAGE	DETOUR WB 92 USE	HESPERIN OR INDUSTRL
158	Ala	UNION CITY	WB	WHIPPLE Rd	300 FT EAST OF DYER St WHIPPLE Rd INTERSECTION.	NO MESSAGE	NO MESSAGE	NO MESSAGE	NO MESSAGE	NO MESSAGE	NO MESSAGE
159	Ala	HAYWARD	NB	880	OFF RAMP LEFT SHOULDER 70 FT AFTER GORE AREA.	NO MESSAGE	NO MESSAGE	NO MESSAGE	NO MESSAGE	NO MESSAGE	NO MESSAGE
160	Ala	HAYWARD	NB	880	ON I-880 1/4 MILE BEFORE WHIPPLE Rd OFF RAMP.	I-80 BAY BRdG CLOSURE	DAY AND DATE	WB 92 ONRAMP CLOSURE	DAY DATE AND TIME	WB 92 ON RAMP CLOSED	USE TENNYSON
161	Ala	UNION CITY	WB	WHIPPLE Rd	WHIPPLE Rd APPROX 200 FT BEFORE INTERSECTION OF UNION CITY BLVD.	NO MESSAGE	NO MESSAGE	NO MESSAGE	NO MESSAGE	NO MESSAGE	NO MESSAGE
162	Ala	HAYWARD	NB	HESPERIAN Blvd	HESPERIAN Blvd I-800 FT JUST SOUTH OF INTERSECTION OF INDUSTRIAL PKWY ON CENTER MEDIAN.	NO MESSAGE	NO MESSAGE	NO MESSAGE	NO MESSAGE	NO MESSAGE	NO MESSAGE
163	Ala	HAYWARD	WB	TENNYSON Rd	TENNYSON Rd 260 FT BEFORE INTERSECTION OF HESPERIAN Blvd.	NO MESSAGE	NO MESSAGE	NO MESSAGE	NO MESSAGE	DETOUR WB 92	TRUCKS USE HESPERIAN
164	Ala	HAYWARD	WB	TENNYSON Rd	TENNYSON Rd 50 FT BEFORE INTERSECTION OF CAPRI Ave INTERSECTION.	NO MESSAGE	NO MESSAGE	NO MESSAGE	NO MESSAGE	WB 92 RIGHT ON INDUSTRL	NO MESSAGE
165	Ala	HAYWARD	NB	HESPERIAN Blvd	HESPERIAN Blvd JUST SOUTH OF CA-92 OH CROSSING ON CENTER MEDIAN.	I-80 BAY BRdG CLOSURE	DAY AND DATE	WB 92 EXPECT DELAY	DAY DATE AND TIME	WB 92 LEFTLANE	NO MESSAGE
166	Ala	HAYWARD	NB	880	1/2 MILE BEFORE OFF RAMP EB 92.	I-80 BAY BRdG CLOSURE	DAY AND DATE	WB 92 ONRAMP CLOSURE	DAY DATE AND TIME	WB 92 ON RAMP CLOSED	NO MESSAGE
167	Ala	HAYWARD	SB	880	ON SB I-880 GORE BETWEEN EB & WB CA-92 RAMPS.	I-80 BAY BRdG CLOSURE	DAY AND DATE	WB 92 LANE CHANGE	DAY DATE AND TIME	WB 92 2 LANES AHEAD	HESPERIN OFF RAMP CLOSED

REVISED BY | DATE REVISED

RAFAEL RAVeLO | GABRIEL TCRUZ

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR

JAIME E. GUTIERREZ

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans TOLL BRIDGE

MOTORIST INFORMATION QUANTITIES

MIQ-6

LAST REVISION 07-20-11 | DATE PLOTTED => 06-OCT-2011 | TIME PLOTTED => 06:23

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	106	744

Caltrans Metric

Gabriel D Tcruz 6-2-11
REGISTERED CIVIL ENGINEER DATE

10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Gabriel Tcruz No. 68108 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.

LEGEND:

- DIRECTION OF TRAFFIC
- CONSTRUCT THIS STAGE
- REMOVE STRUCTURE THIS STAGE
- REMOVE STRUCTURE THIS STAGE BY OTHERS
- (No.) WORK ACTIVITY
- T(No.) Temp PAVEMENT DELINEATION DETAIL
- CHANGE OF PAVEMENT DELINEATION DETAIL
- [No.] CONSTRUCTION AREA SIGN NUMBER
- Temp RAILING (TYPE K)
- 30 mm HMA (OG)
- COLD PLANE AC PAVEMENT
- PAVEMENT CONFORM

NOTES:

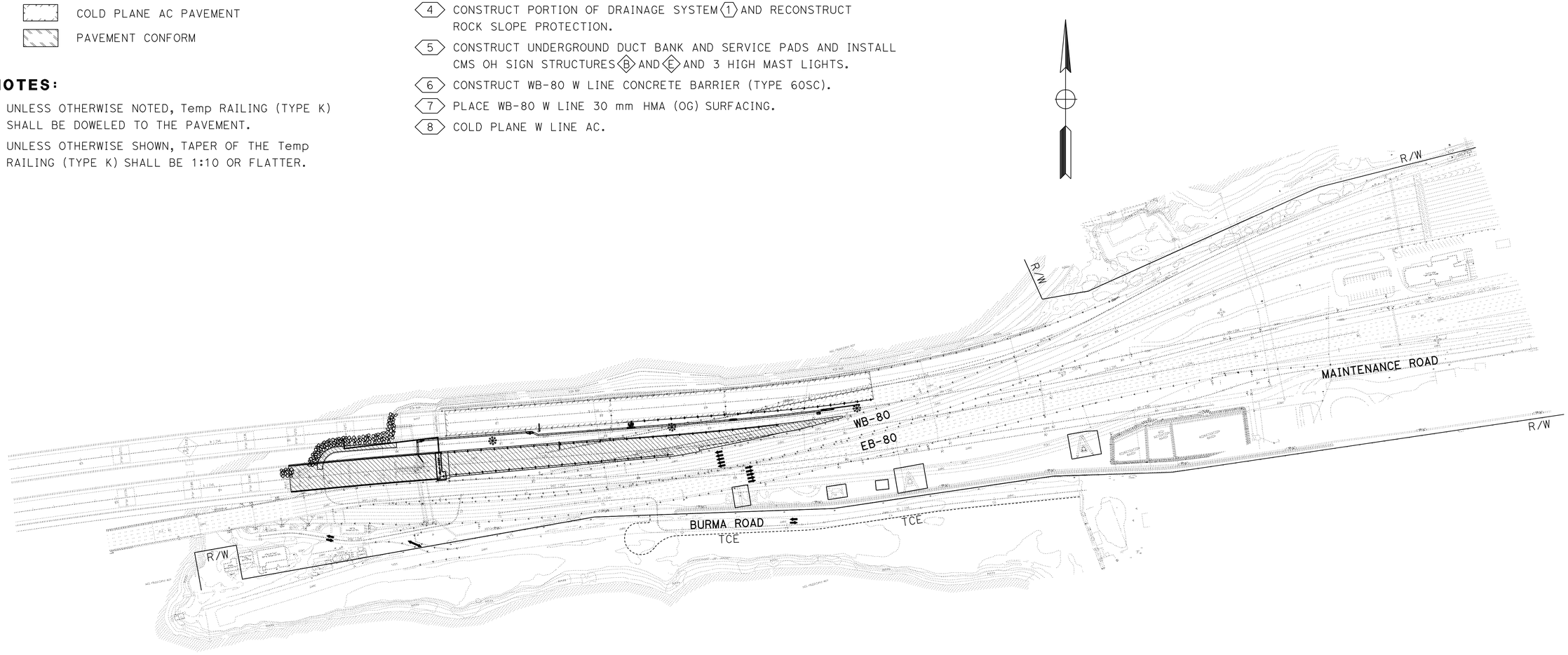
- UNLESS OTHERWISE NOTED, Temp RAILING (TYPE K) SHALL BE DOWELED TO THE PAVEMENT.
- UNLESS OTHERWISE SHOWN, TAPER OF THE Temp RAILING (TYPE K) SHALL BE 1:10 OR FLATTER.

TRAFFIC:

- WB-80 (DETOUR), EB-80 (DETOUR), AND BURMA ROAD OPEN TO TRAFFIC.
- UNLESS OTHERWISE NOTED, ALL TRAFFIC LANES SHALL HAVE A Min WIDTH OF 3.3 m AT ALL TIMES.

STAGE 1 - PHASE 1 CONSTRUCTION:

1. CONSTRUCT EB-80 E LINE STRUCTURE BRIDGE No. 34-0006R AND REMOVE BENT E19AR (SEE STRUCTURE PLANS).
2. CONSTRUCT PORTION OF EB-80 E LINE ROADWAY.
3. PLACE TEMPORARY RAILING (TYPE K) AS SHOWN.
4. CONSTRUCT PORTION OF DRAINAGE SYSTEM 1 AND RECONSTRUCT ROCK SLOPE PROTECTION.
5. CONSTRUCT UNDERGROUND DUCT BANK AND SERVICE PADS AND INSTALL CMS OH SIGN STRUCTURES B AND E AND 3 HIGH MAST LIGHTS.
6. CONSTRUCT WB-80 W LINE CONCRETE BARRIER (TYPE 60SC).
7. PLACE WB-80 W LINE 30 mm HMA (OG) SURFACING.
8. COLD PLANE W LINE AC.



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

STAGE CONSTRUCTION
TRAFFIC HANDLING PLAN
STAGE 1 - PHASE 1

NO SCALE

SC-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans **TOLL BRIDGE**

FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ
CALCULATED-DESIGNED BY: GABRIEL TCRUZ
CHECKED BY: RAFAEL RAVELO
REVISED BY / DATE REVISED

LAST REVISION 11-30-11 | DATE PLOTTED => 01-MAR-2012 | TIME PLOTTED => 13:49

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	107	744

Gabriel D Tcruz 6-2-11
REGISTERED CIVIL ENGINEER DATE

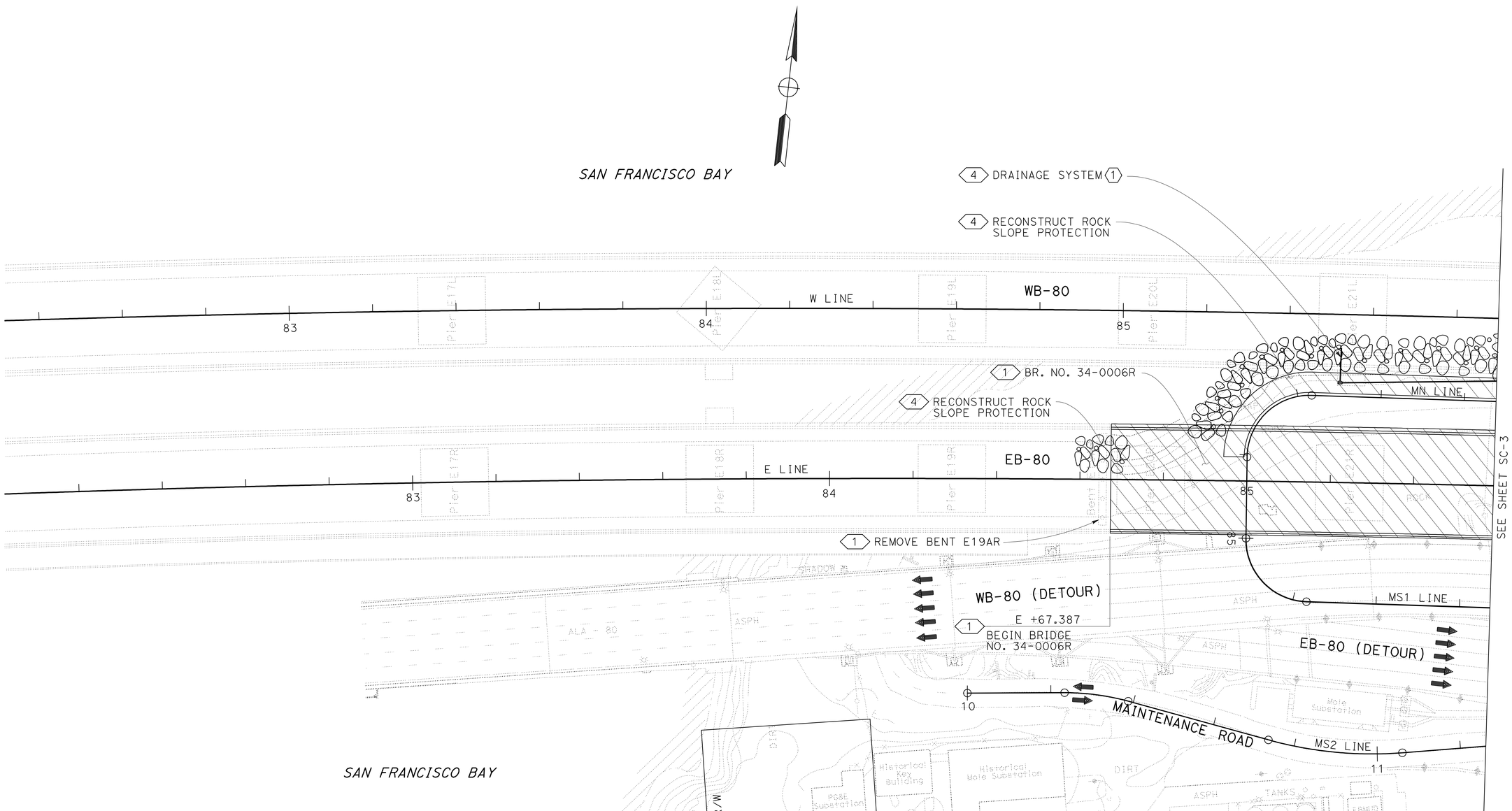
10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Gabriel Tcruz No. 68108 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.

Caltrans Metric

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



STAGE CONSTRUCTION
TRAFFIC HANDLING PLAN
STAGE 1 - PHASE 1

NO SCALE

FOR NOTES &/OR LEGEND, SEE SHEET SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

SC-2

LAST REVISION 11-30-11 DATE PLOTTED => 01-MAR-2012 TIME PLOTTED => 13:49

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans **TOLL BRIDGE**

FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ
CALCULATED-DESIGNED BY: GABRIEL TCRUZ
CHECKED BY: RAFAEL RAVELO
REVISED BY
DATE REVISED

BORDER LAST REVISED 3/1/2007
RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80
USERNAME => s121614
DGN FILE => 40120mma002.dgn
CU 04251
EA 0120M1

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	108	744

Gabriel D Tcruz 6-2-11
REGISTERED CIVIL ENGINEER DATE

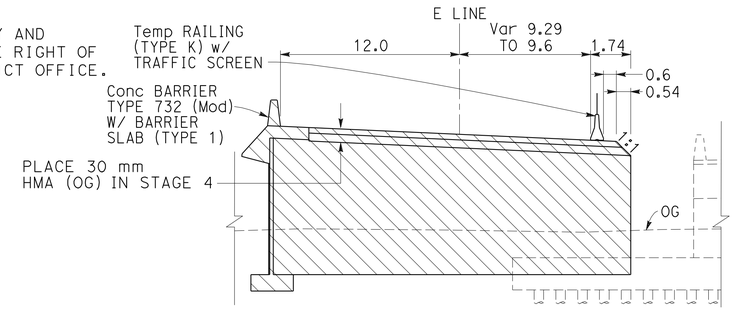
10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Gabriel Tcruz No. 68108 Exp. 6-30-11 CIVIL STATE OF CALIFORNIA

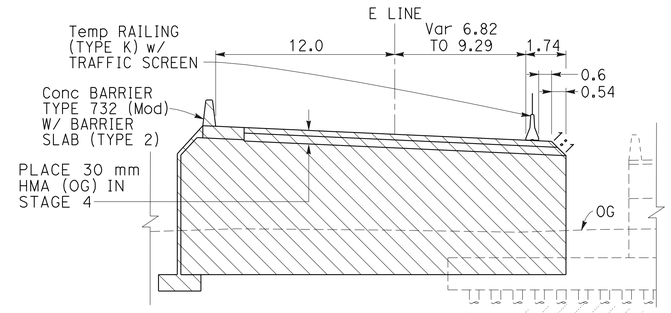
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

Caltrans Metric

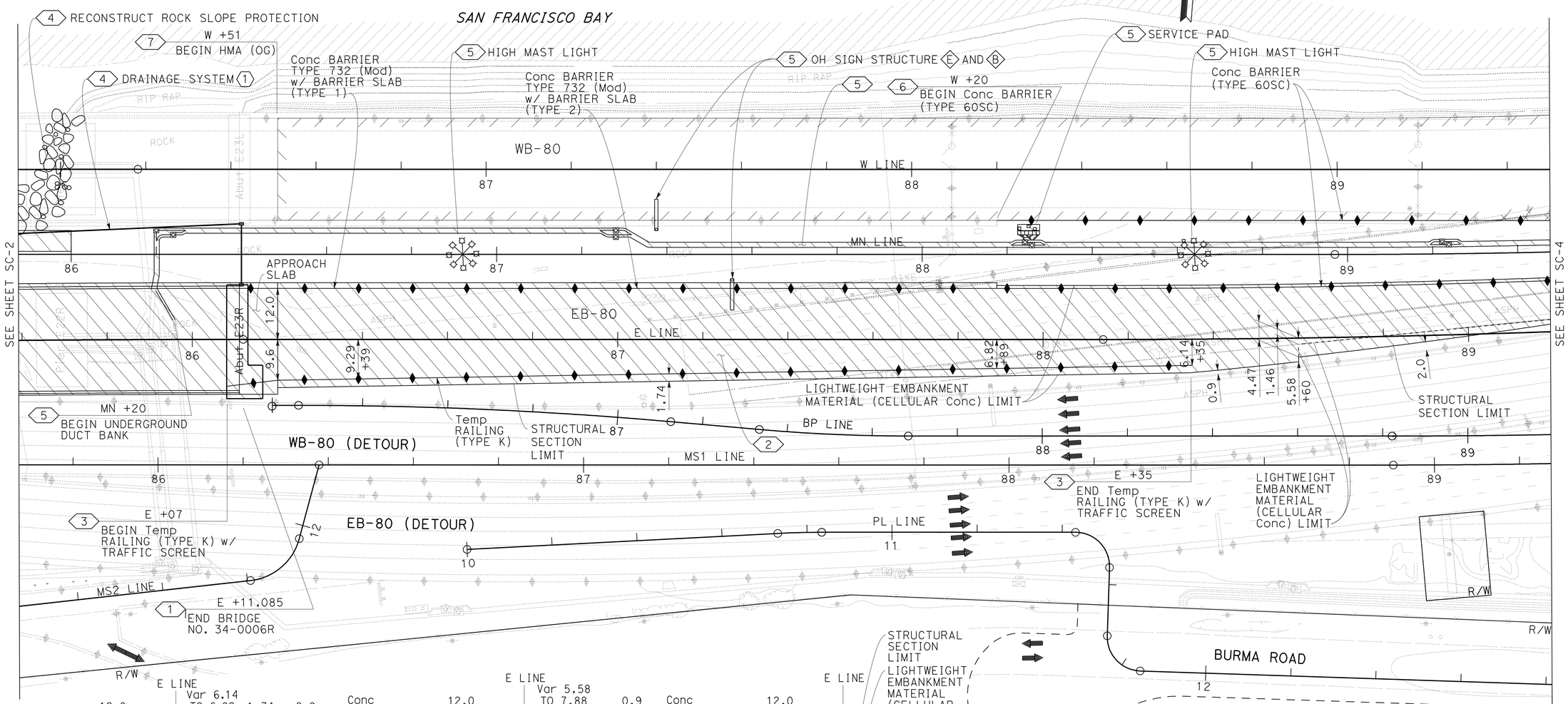
FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.

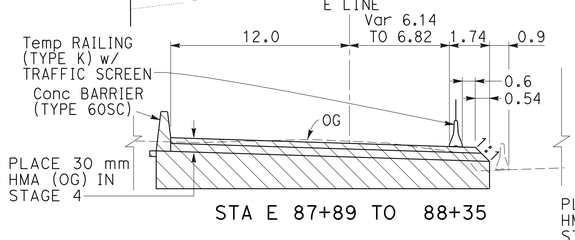


END OF APRROACH SLAB TO STA E 86+39
NO SCALE

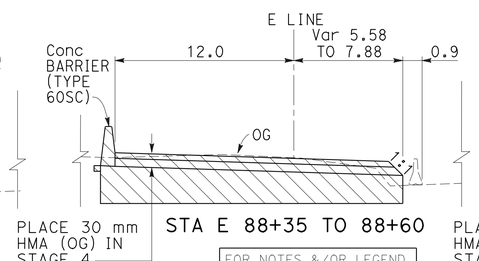


STA E 86+39 TO 87+89
NO SCALE

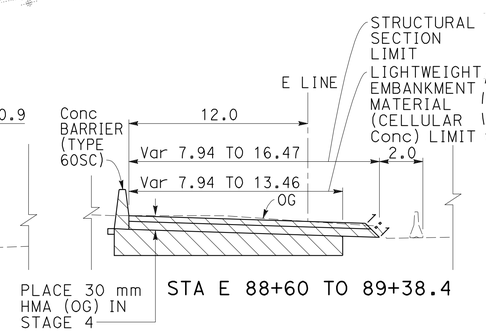




STA E 87+89 TO 88+35



STA E 88+35 TO 88+60



STA E 88+60 TO 89+38.4

FOR NOTES &/OR LEGEND, SEE SHEET SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

STAGE CONSTRUCTION
TRAFFIC HANDLING PLAN
STAGE 1-PHASE 1

SCALE 1:500

SC-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TOLL BRIDGE

FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ
CALCULATED-DESIGNED BY: GABRIEL TCRUZ
CHECKED BY: RAFAEL RAVELO
REVISED BY / DATE REVISED

LAST REVISION 11-30-11 | DATE PLOTTED => 01-MAR-2012 | TIME PLOTTED => 13:49

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	109	744

Gabriel D Tcruz 6-2-11
REGISTERED CIVIL ENGINEER DATE

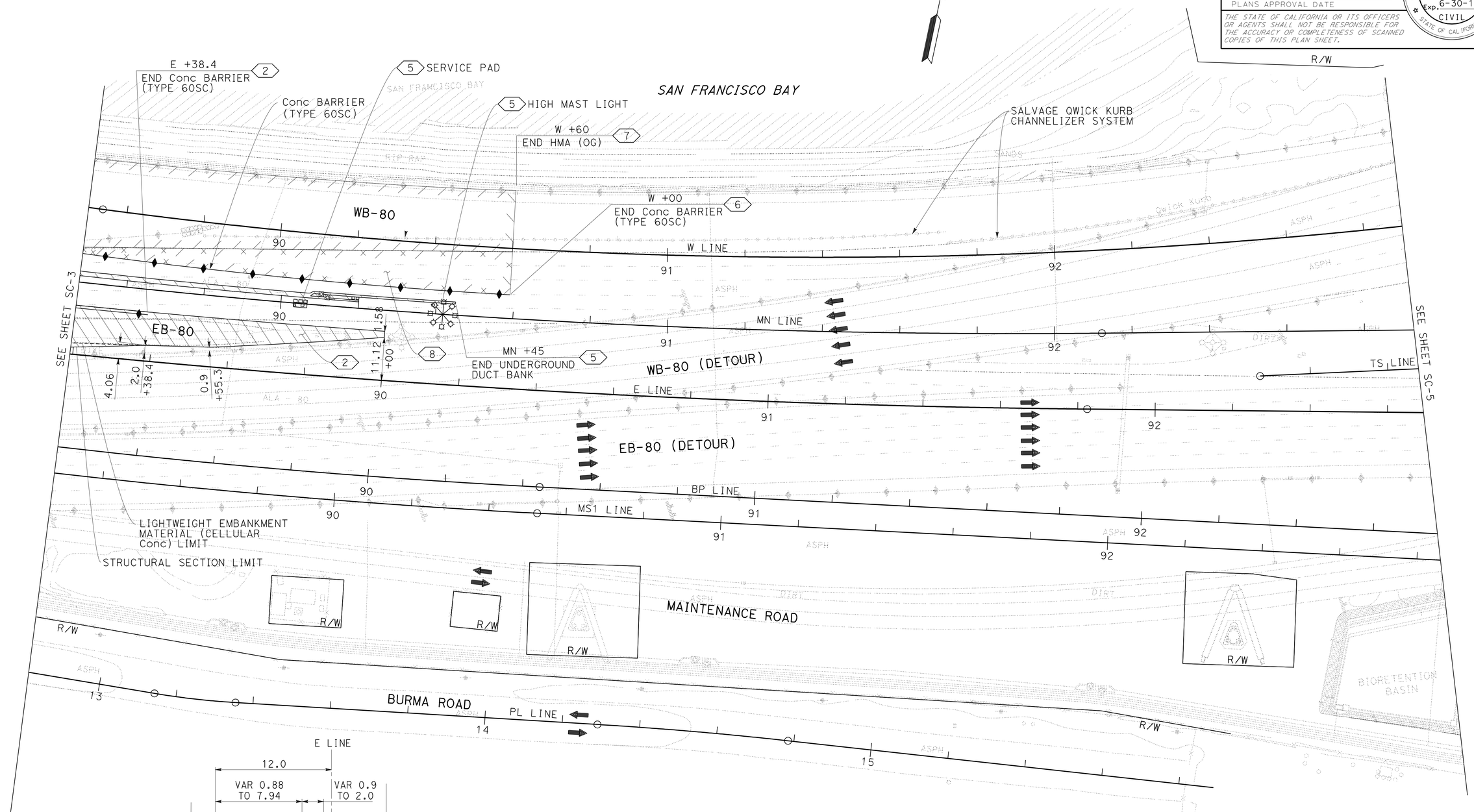
10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Gabriel Tcruz No. 68108 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.

Caltrans Metric

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



STAGE CONSTRUCTION
TRAFFIC HANDLING PLAN
STAGE 1 - PHASE 1

SCALE 1:500

SC-4

FOR NOTES &/OR LEGEND, SEE SHEET SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TOLL BRIDGE

FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ
CALCULATED-DESIGNED BY: GABRIEL TCRUZ
CHECKED BY: RAFAEL RAVELO
REVISED BY / DATE REVISED

LAST REVISION 11-23-11 | DATE PLOTTED => 01-MAR-2012 | TIME PLOTTED => 13:49

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	110	744

Gabriel D Tcruz 6-2-11
REGISTERED CIVIL ENGINEER DATE

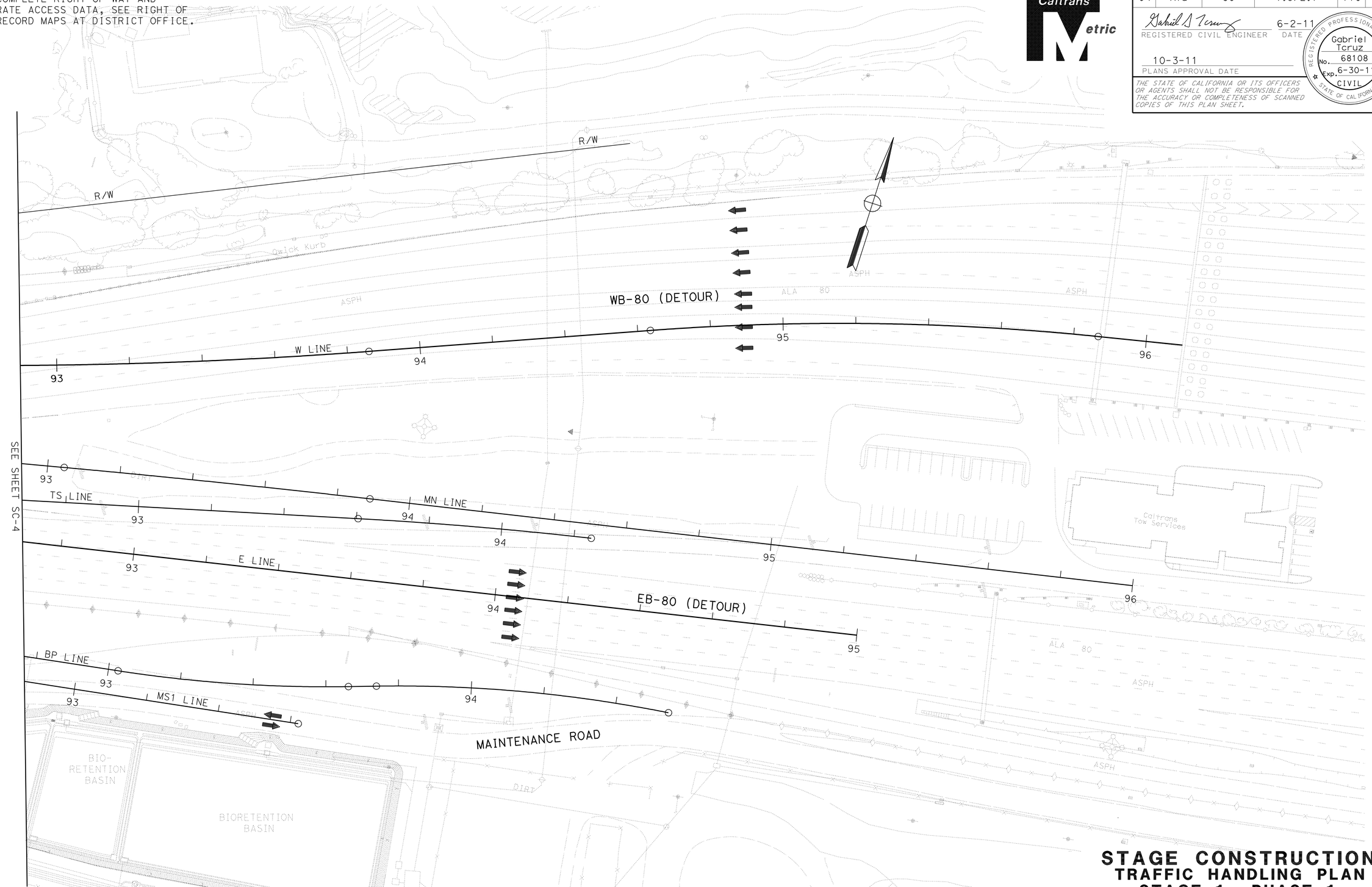
10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Gabriel Tcruz No. 68108 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.

Caltrans Metric

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



STAGE CONSTRUCTION
TRAFFIC HANDLING PLAN
STAGE 1 - PHASE 1

SCALE 1:500

FOR NOTES &/OR LEGEND, SEE SHEET SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

SC-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans **TOLL BRIDGE**

FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ

CALCULATED-DESIGNED BY: GABRIEL TCRUZ
CHECKED BY: RAFAEL RAVELO

REVISED BY | DATE REVISED

LAST REVISION 11-30-11
DATE PLOTTED => 01-MAR-2012
TIME PLOTTED => 13:49

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	111	744

Gabriel D Tcruz 6-2-11
REGISTERED CIVIL ENGINEER DATE

10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Gabriel Tcruz No. 68108 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.

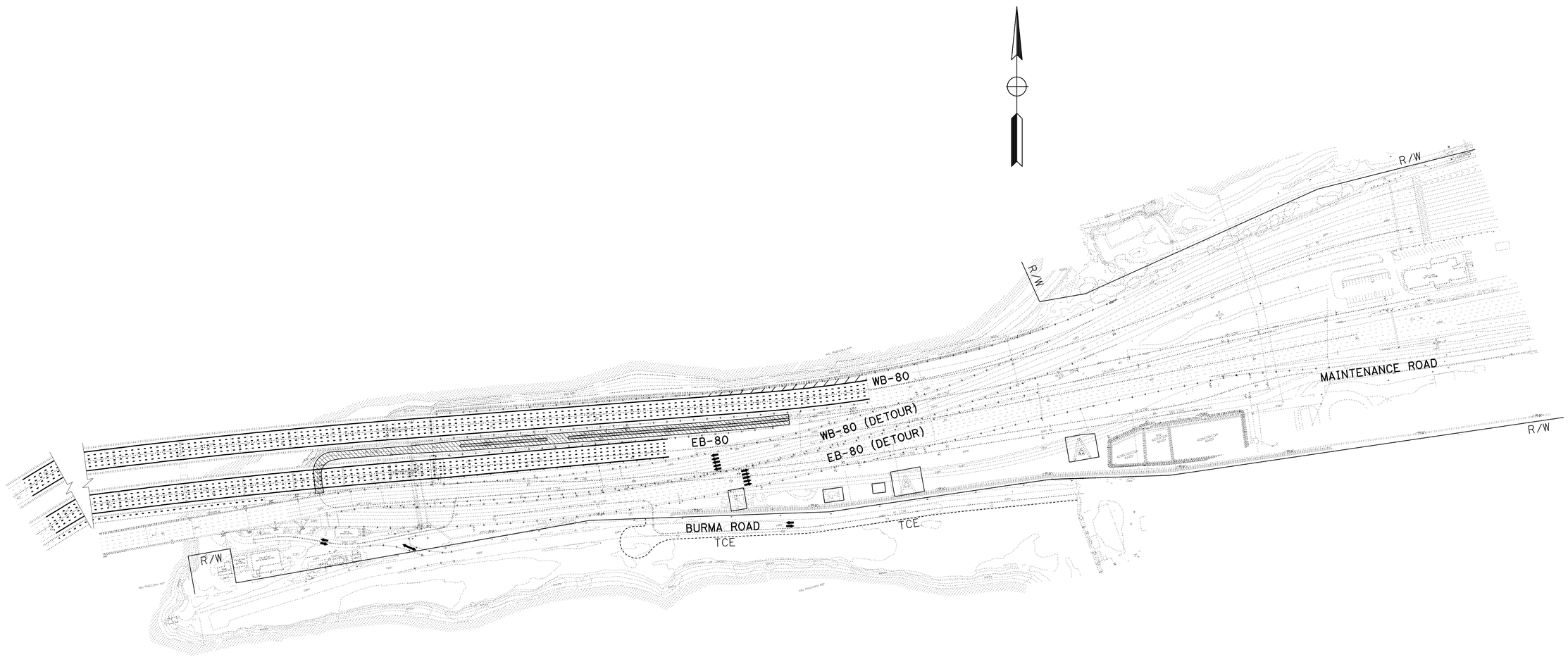
Caltrans Metric

TRAFFIC:

- WB-80 (DETOUR), EB-80 (DETOUR), BURMA ROAD, AND MAINTENANCE ROAD OPEN TO TRAFFIC.
- UNLESS OTHERWISE NOTED, ALL TRAFFIC LANES SHALL HAVE A Min WIDTH OF 3.3 m AT ALL TIMES.

STAGE 1 - PHASE 2 CONSTRUCTION:

1. CONSTRUCT PORTION OF MN LINE ROADWAY.
2. PLACE PAVEMENT DELINEATION.
3. PLACE EB-80 E-LINE TEMPORARY PAVEMENT DELINEATION.



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

STAGE CONSTRUCTION
TRAFFIC HANDLING PLAN
STAGE 1 - PHASE 2

NO SCALE

FOR LEGEND, SEE SHEET SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY

SC-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TOLL BRIDGE

FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ
CALCULATED-DESIGNED BY: GABRIEL TCRUZ
CHECKED BY: RAFAEL RAVELO
REVISED BY
DATE REVISED

LAST REVISION 11-23-11
DATE PLOTTED => 01-MAR-2012
TIME PLOTTED => 13:50

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	112	744

REGISTERED CIVIL ENGINEER 6-2-11 DATE

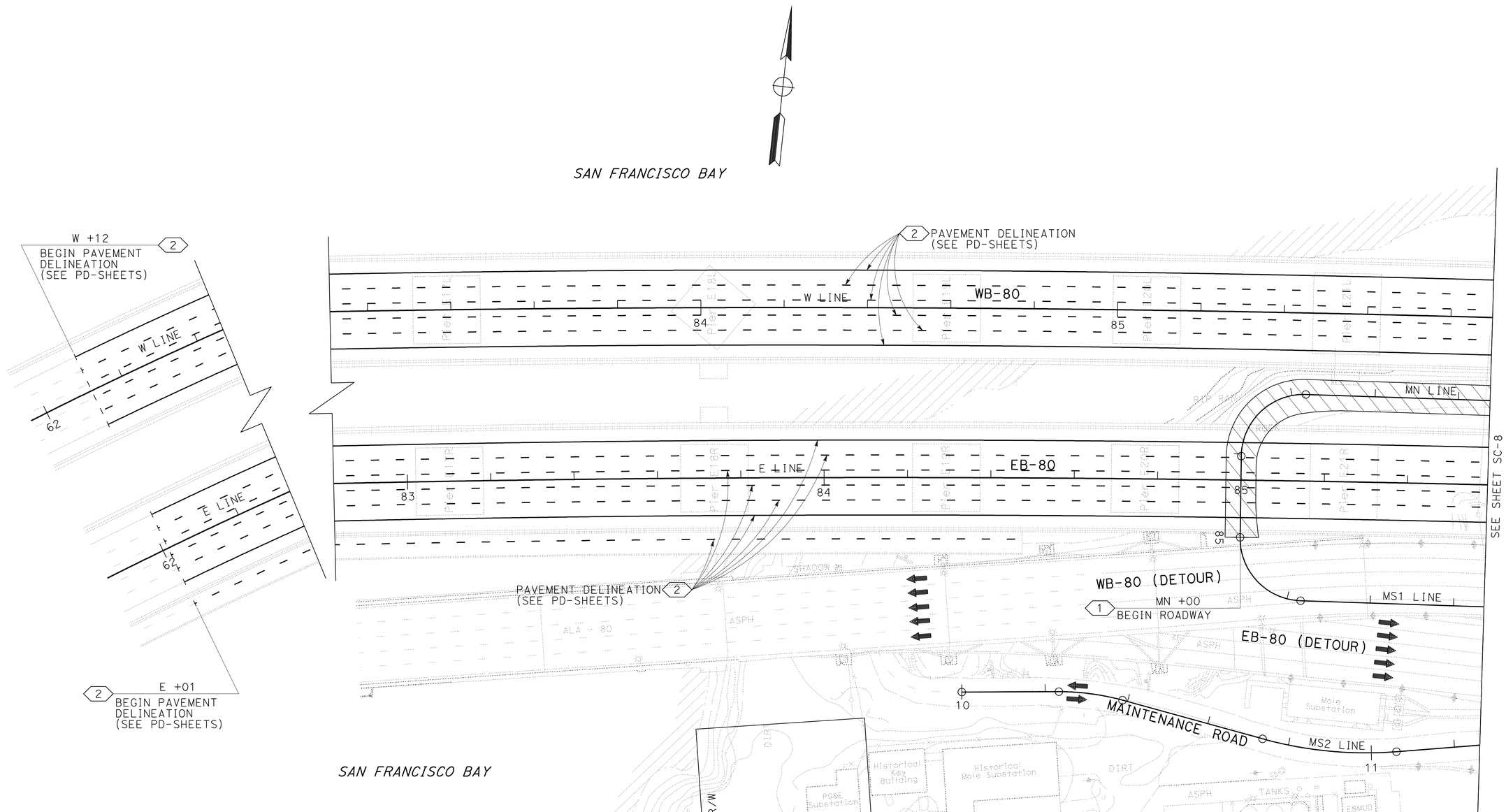
10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Gabriel Tcruz No. 68108 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.

Caltrans Metric

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



FOR NOTES &/OR LEGEND, SEE SHEET SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

STAGE CONSTRUCTION
TRAFFIC HANDLING PLAN
STAGE 1 - PHASE 2

SCALE 1:500

SC-7

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans **TOLL BRIDGE**

FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ
CALCULATED-DESIGNED BY: GABRIEL TCRUZ
CHECKED BY: RAFAEL RAVELO
REVISED BY
DATE REVISED

LAST REVISION 11-23-11
DATE PLOTTED => 01-MAR-2012
TIME PLOTTED => 13:50

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	113	744

REGISTERED CIVIL ENGINEER 6-2-11 DATE

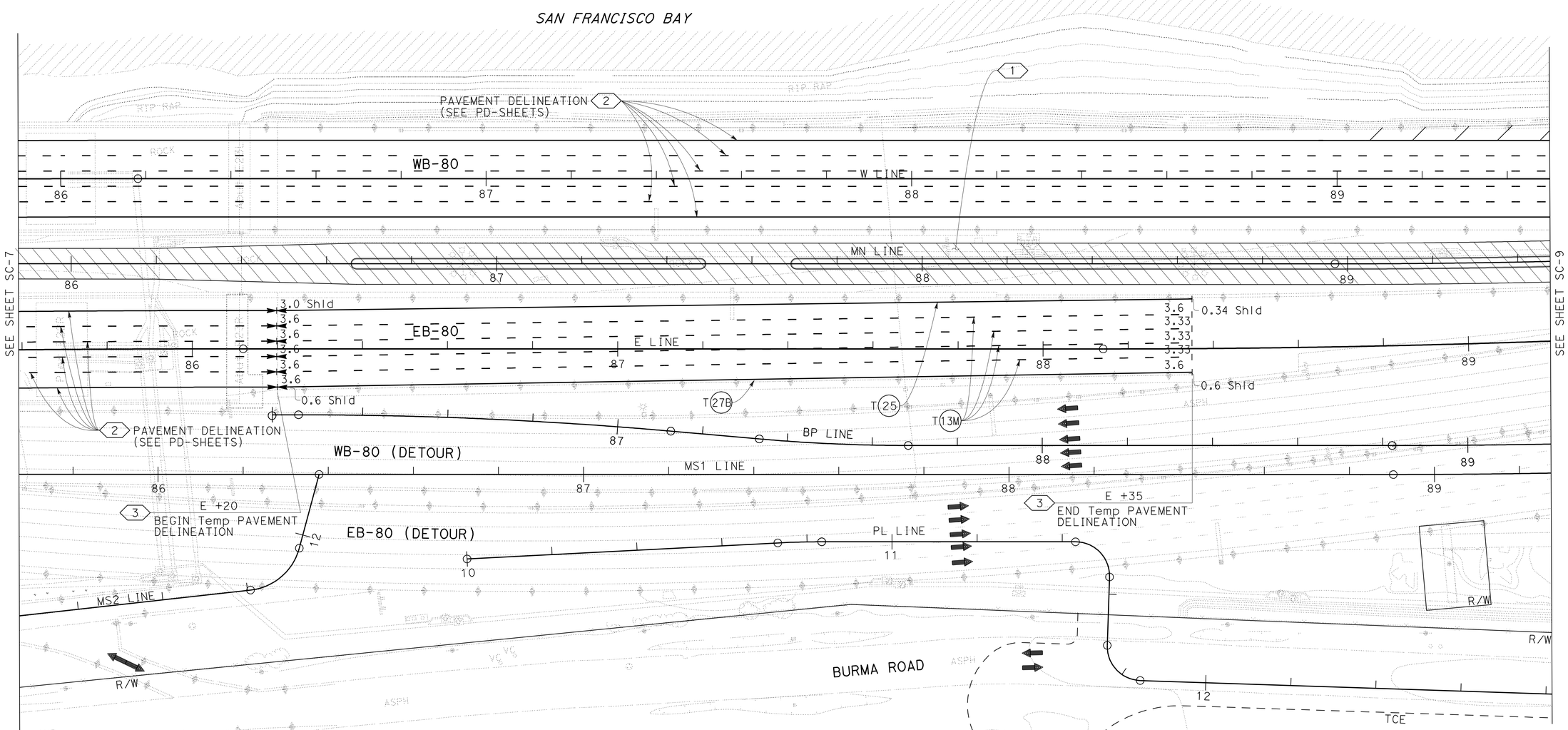
10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Gabriel Tcruz No. 68108 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.

Caltrans Metric

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



STAGE CONSTRUCTION
TRAFFIC HANDLING PLAN
STAGE 1 - PHASE 2

SCALE 1:500

FOR NOTES &/OR LEGEND, SEE SHEET SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

SC-8

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TOLL BRIDGE

FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ
CALCULATED-DESIGNED BY: GABRIEL TCRUZ
CHECKED BY: RAFAEL RAVELO
REVISED BY / DATE REVISED

LAST REVISION 11-23-11
DATE PLOTTED => 01-MAR-2012
TIME PLOTTED => 13:50

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	114	744

REGISTERED CIVIL ENGINEER 6-2-11 DATE

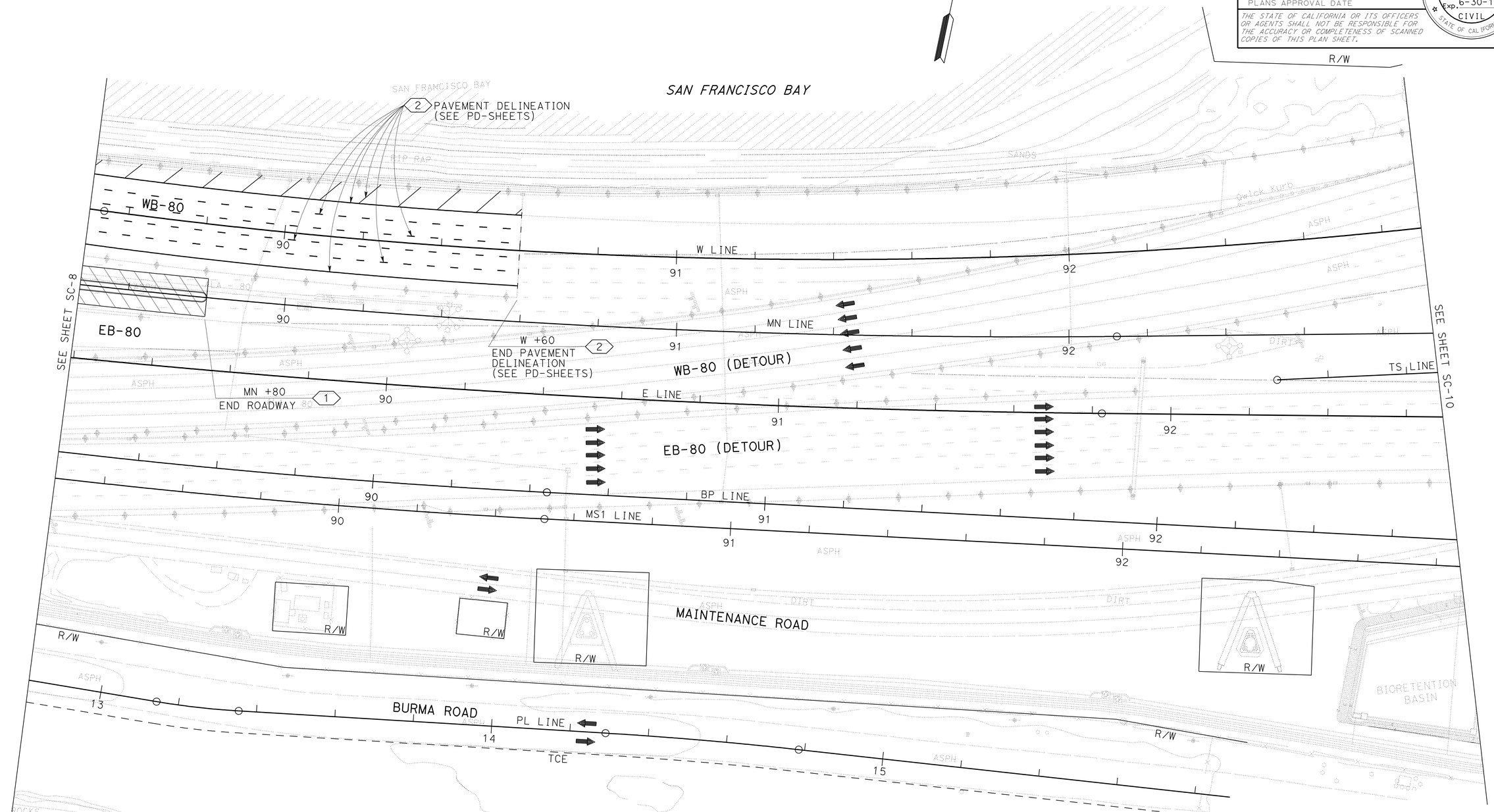
10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Gabriel Tcruz No. 68108 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.

Caltrans Metric

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



STAGE CONSTRUCTION
TRAFFIC HANDLING PLAN
STAGE 1 - PHASE 2

SCALE 1:500

FOR NOTES &/OR LEGEND, SEE SHEET SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

SC-9

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans **TOLL BRIDGE**

FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ
CALCULATED-DESIGNED BY: GABRIEL TCRUZ
CHECKED BY: RAFAEL RAVELO
REVISED BY
DATE REVISED

LAST REVISION 11-23-11 | DATE PLOTTED => 01-MAR-2012 | TIME PLOTTED => 13:50

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	115	744

Gabriel D Tcruz 6-2-11
REGISTERED CIVIL ENGINEER DATE

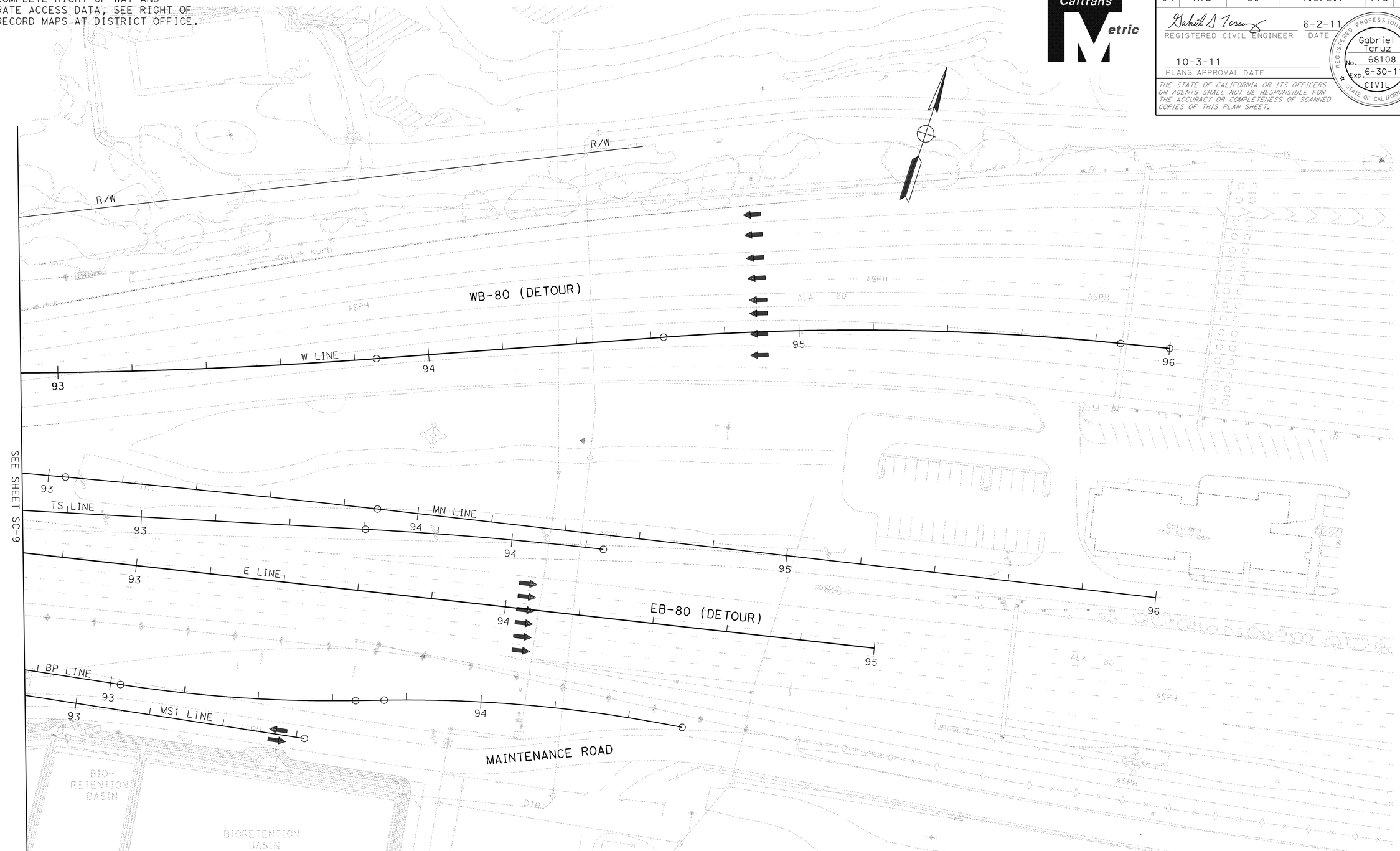
10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Gabriel Tcruz No. 68108 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.

Caltrans Metric

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



STAGE CONSTRUCTION
TRAFFIC HANDLING PLAN
STAGE 1 - PHASE 2

SCALE 1:500

FOR NOTES &/OR LEGEND, SEE SHEET SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

SC-10

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans **TOLL BRIDGE**

FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ
CALCULATED-DESIGNED BY: GABRIEL TCRUZ
CHECKED BY: RAFAEL RAVELO
REVISED BY
DATE REVISED

LAST REVISION 11-23-11
DATE PLOTTED => 01-MAR-2012
TIME PLOTTED => 13:51

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	116	744

Caltrans Metric

Gabriel D Tcruz 6-2-11
REGISTERED CIVIL ENGINEER DATE

10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Gabriel Tcruz No. 68108 Exp. 6-30-11 CIVIL STATE OF CALIFORNIA

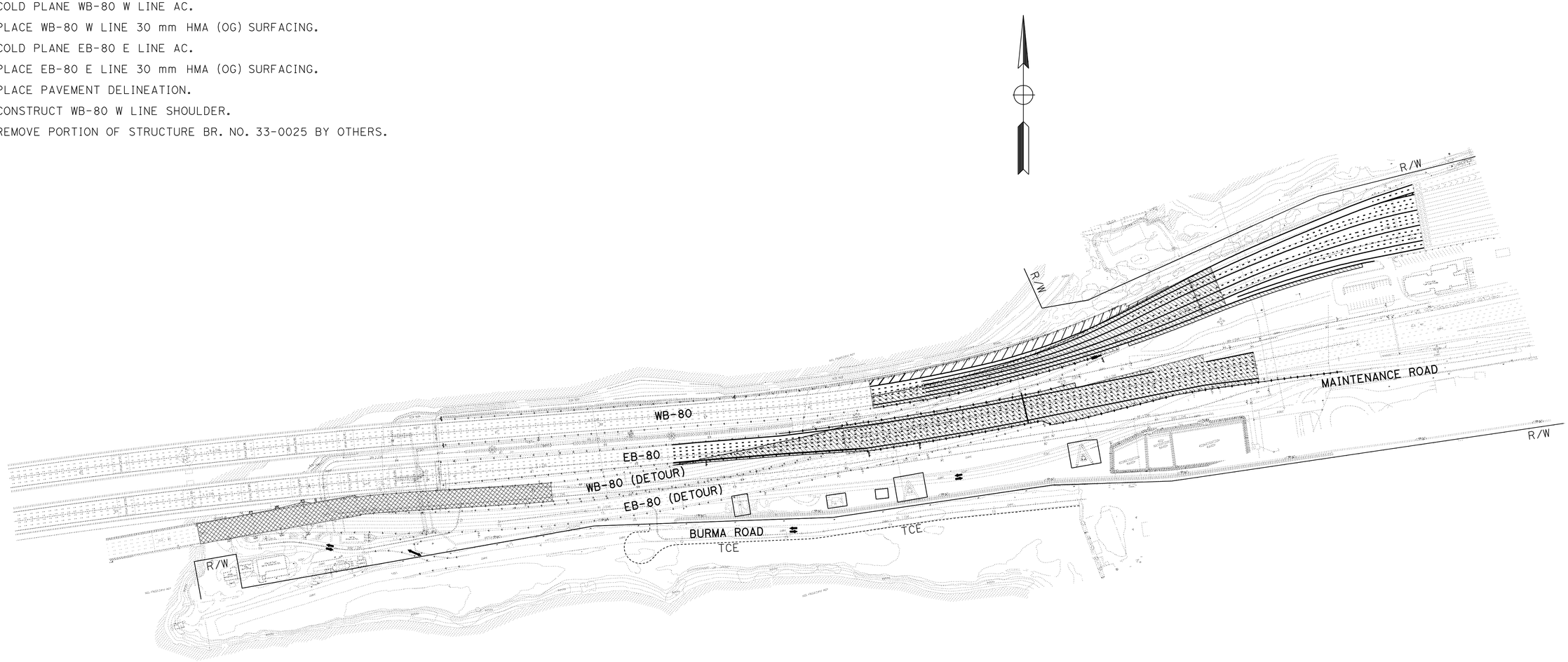
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

TRAFFIC:

- PROVIDE FULL BRIDGE CLOSURE. WB-80 (DETOUR) AND EB-80 (DETOUR) CLOSED TO TRAFFIC.
- MAINTENANCE ROAD AND BURMA ROAD OPEN TO TRAFFIC.
- UNLESS OTHERWISE NOTED, ALL TRAFFIC LANES SHALL HAVE A Min WIDTH OF 3.3 m AT ALL TIMES.

STAGE 2 CONSTRUCTION:

1. CONSTRUCT REMAINING PORTION OF EB-80 E LINE ROADWAY AND DRAINAGE SYSTEM 14.
2. PLACE TEMPORARY RAILING (TYPE K) AS SHOWN.
3. PLACE EB-80 E LINE TEMPORARY PAVEMENT DELINEATION.
4. COLD PLANE WB-80 W LINE AC.
5. PLACE WB-80 W LINE 30 mm HMA (OG) SURFACING.
6. COLD PLANE EB-80 E LINE AC.
7. PLACE EB-80 E LINE 30 mm HMA (OG) SURFACING.
8. PLACE PAVEMENT DELINEATION.
9. CONSTRUCT WB-80 W LINE SHOULDER.
10. REMOVE PORTION OF STRUCTURE BR. NO. 33-0025 BY OTHERS.



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

STAGE CONSTRUCTION
TRAFFIC HANDLING PLAN
STAGE 2

NO SCALE

FOR LEGEND, SEE SHEET SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY

SC-11

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans **TOLL BRIDGE**

FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ
CALCULATED-DESIGNED BY: GABRIEL TCRUZ
CHECKED BY: RAFAEL RAVELO
REVISED BY / DATE REVISED

LAST REVISION 11-23-11 DATE PLOTTED => 01-MAR-2012 TIME PLOTTED => 13:51

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	117	744

REGISTERED CIVIL ENGINEER 6-2-11 DATE

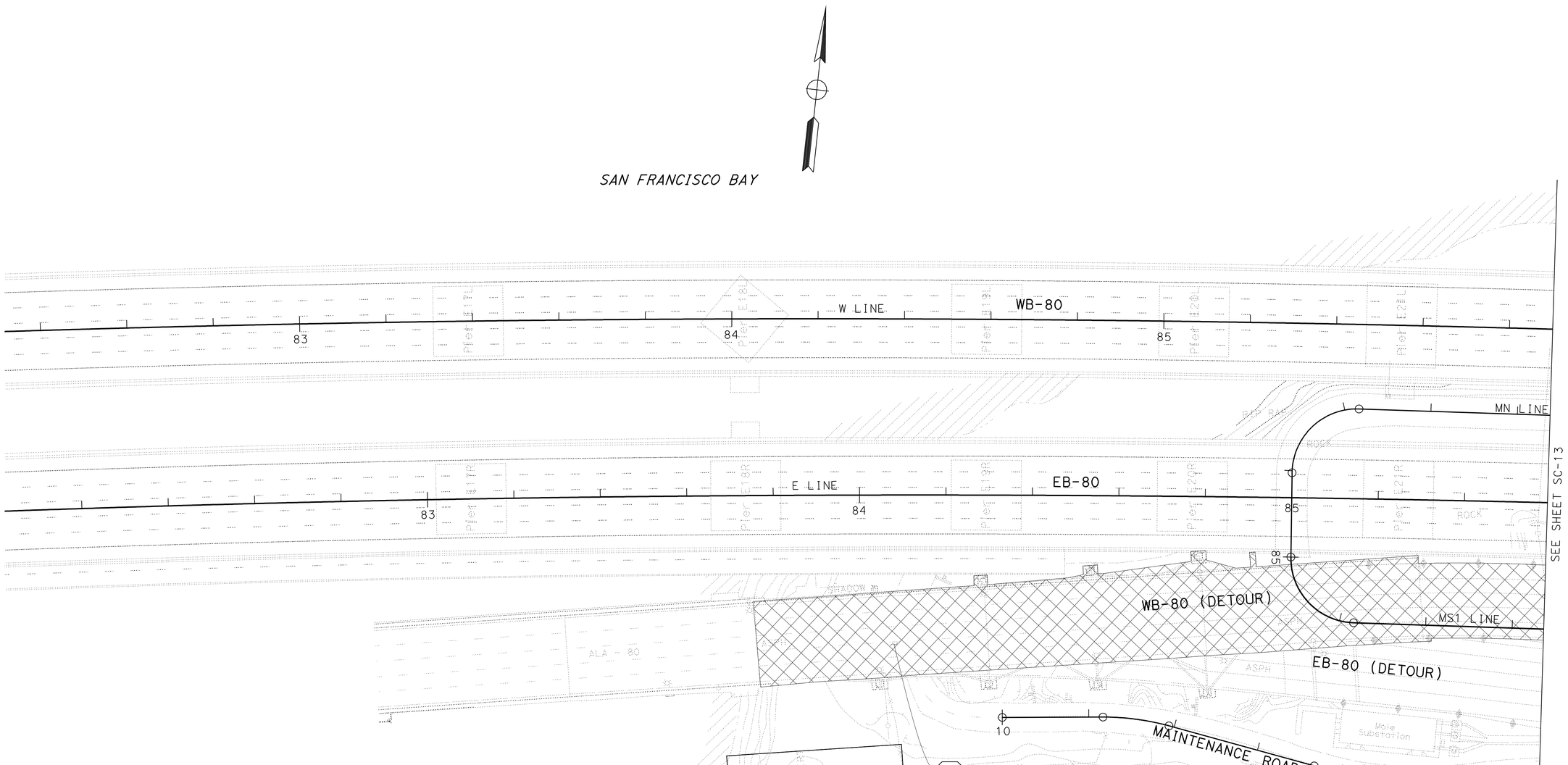
10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Gabriel Tcruz No. 68108 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.

Caltrans Metric

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



STAGE CONSTRUCTION
TRAFFIC HANDLING PLAN
STAGE 2

SCALE 1:500

FOR NOTES &/OR LEGEND, SEE SHEET SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

SC-12

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans **TOLL BRIDGE**

FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ
CALCULATED-DESIGNED BY: GABRIEL TCRUZ
CHECKED BY: RAFAEL RAVELO
REVISED BY
DATE REVISED

LAST REVISION 11-23-11 DATE PLOTTED => 01-MAR-2012 TIME PLOTTED => 13:51

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	118	744

Gabriel D Tcruz 6-2-11
REGISTERED CIVIL ENGINEER DATE

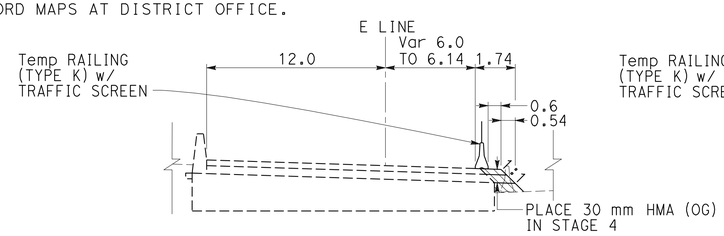
10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Gabriel Tcruz No. 68108 Exp. 6-30-11 CIVIL STATE OF CALIFORNIA

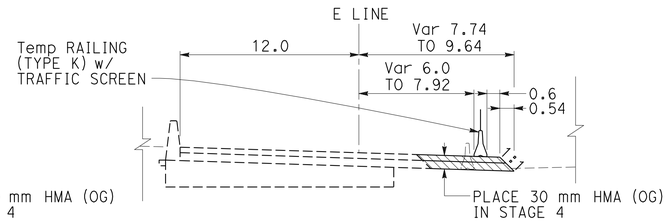
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

Caltrans Metric

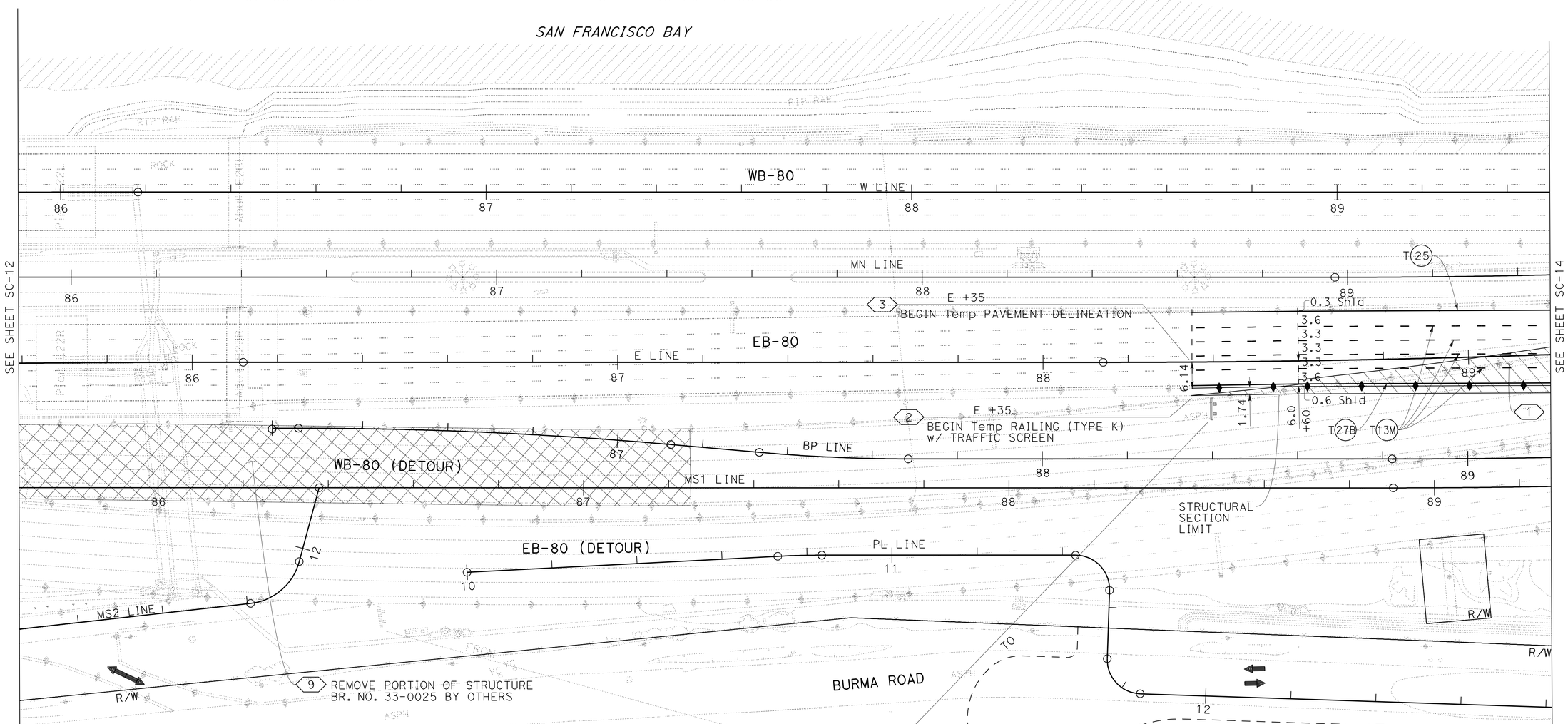
FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



STA E 88+35 TO 88+60



STA E 88+60 TO 89+38.4



RELOCATE

STAGE CONSTRUCTION
TRAFFIC HANDLING PLAN
STAGE 2

SCALE 1:500

FOR NOTES &/OR LEGEND, SEE SHEET SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

SC-13

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans **TOLL BRIDGE**

FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ
CALCULATED-DESIGNED BY: GABRIEL TCRUZ
CHECKED BY: RAFAEL RAVELO
REVISED BY / DATE REVISED

LAST REVISION 11-23-11 | DATE PLOTTED => 01-MAR-2012 | TIME PLOTTED => 13:51

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	119	744

REGISTERED CIVIL ENGINEER 6-2-11 DATE

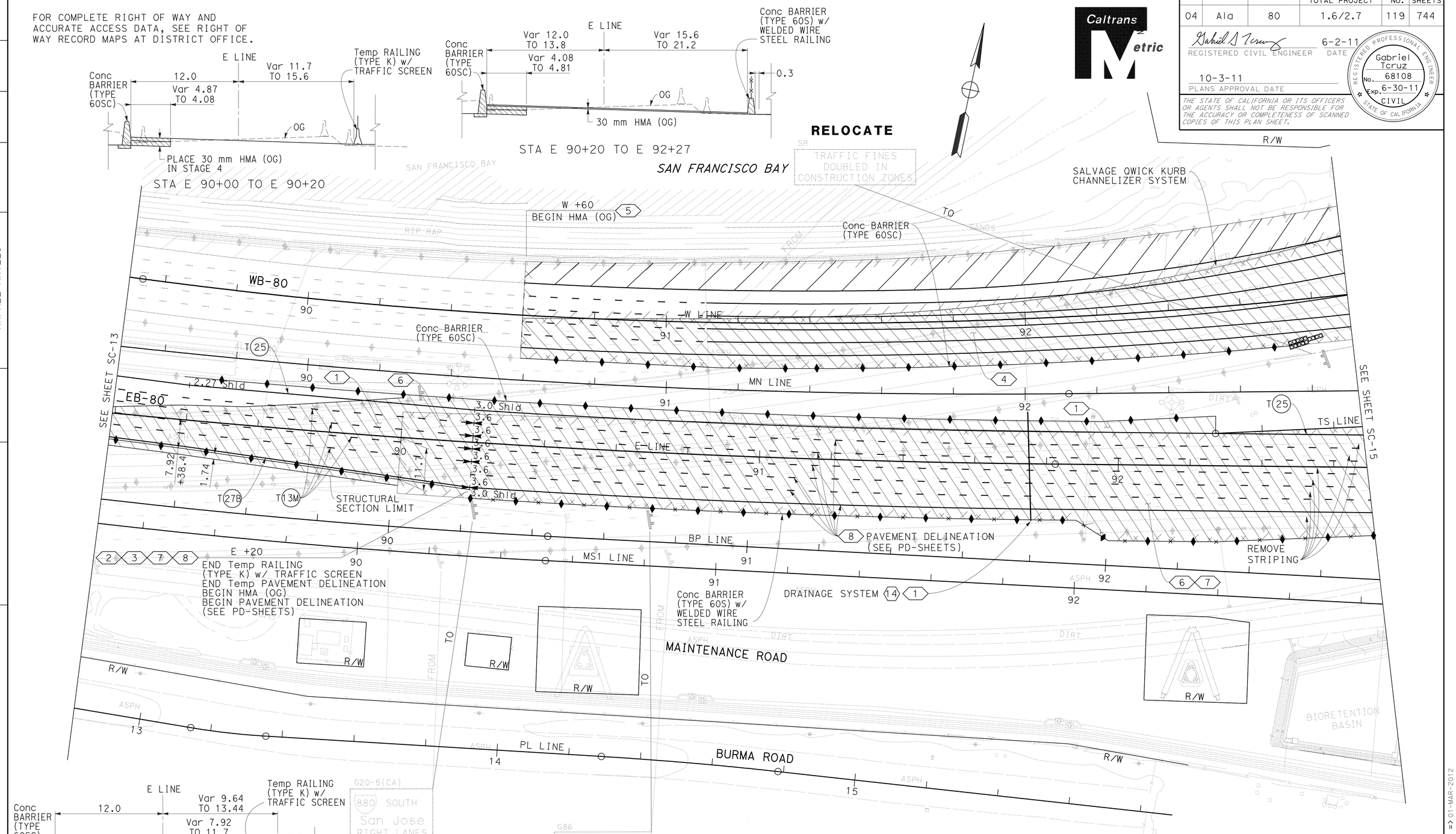
10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Gabriel Tcruz No. 68108 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.

Caltrans Metric

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



STAGE CONSTRUCTION
TRAFFIC HANDLING PLAN
STAGE 2

SCALE 1:500

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

SC-14

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans **TOLL BRIDGE**

FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ
CALCULATED-DESIGNED BY: GABRIEL TCRUZ
CHECKED BY: RAFAEL RAVELO
REVISED BY / DATE REVISED

LAST REVISION 11-23-11 | DATE PLOTTED => 01-MAR-2012 | TIME PLOTTED => 13:51

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	120	744

Gabriel D Tcruz 6-2-11
REGISTERED CIVIL ENGINEER DATE

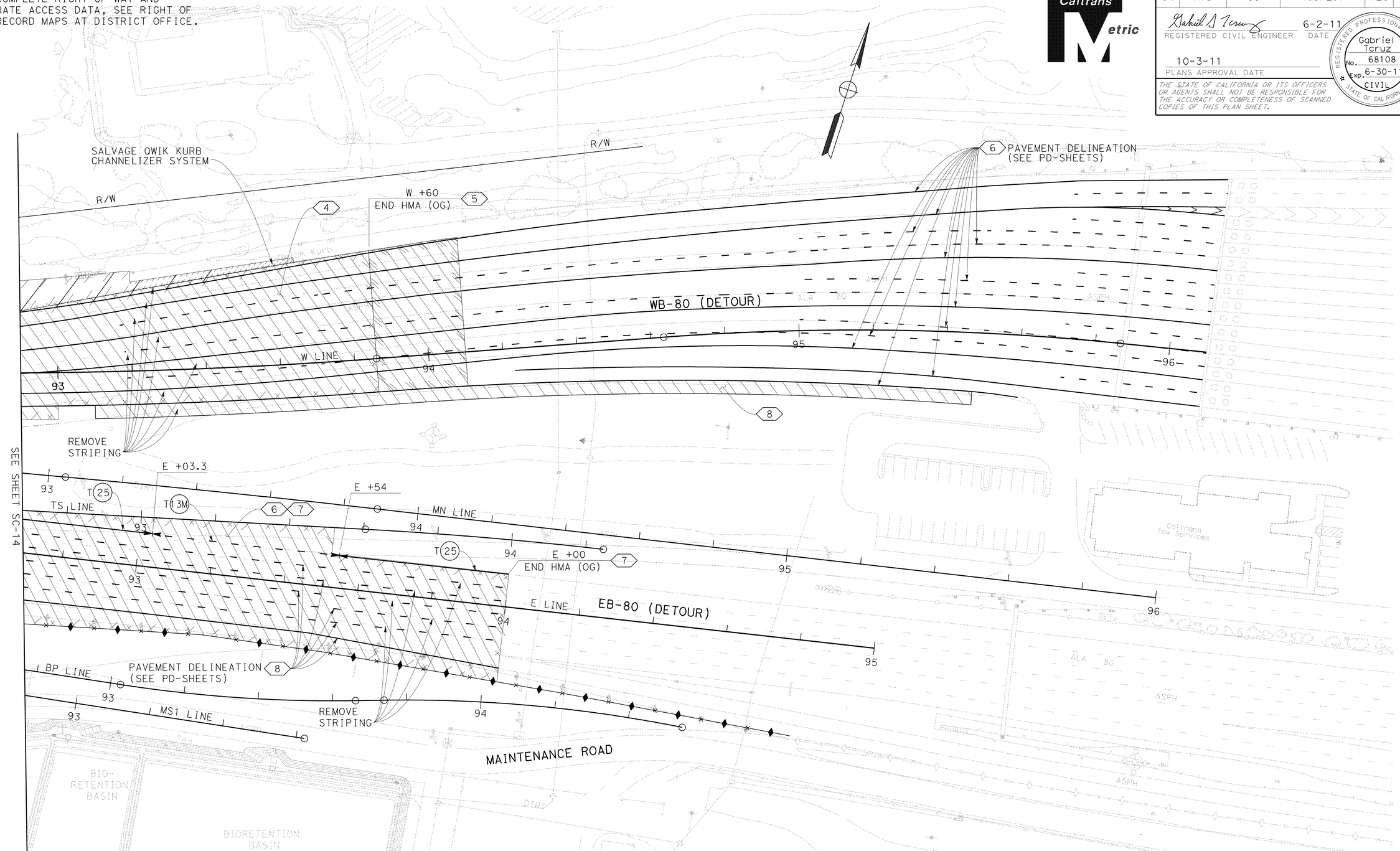
10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Gabriel Tcruz No. 68108 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.

Caltrans Metric

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



STAGE CONSTRUCTION
TRAFFIC HANDLING PLAN
STAGE 2

SCALE 1:500

FOR NOTES &/OR LEGEND, SEE SHEET SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

SC-15

REVISED BY	DATE REVISED

GABRIEL TCRUZ — CALCULATED-DESIGNED BY
RAFAEL RAVELO — CHECKED BY
JAIME E. GUTIERREZ — FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TOLL BRIDGE

LAST REVISION 11-23-11 | DATE PLOTTED => 01-MAR-2012 | TIME PLOTTED => 13:51

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	121	744

Caltrans Metric

Gabriel D Tcruz 6-2-11
REGISTERED CIVIL ENGINEER DATE

10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Gabriel Tcruz No. 68108 Exp. 6-30-11 CIVIL STATE OF CALIFORNIA

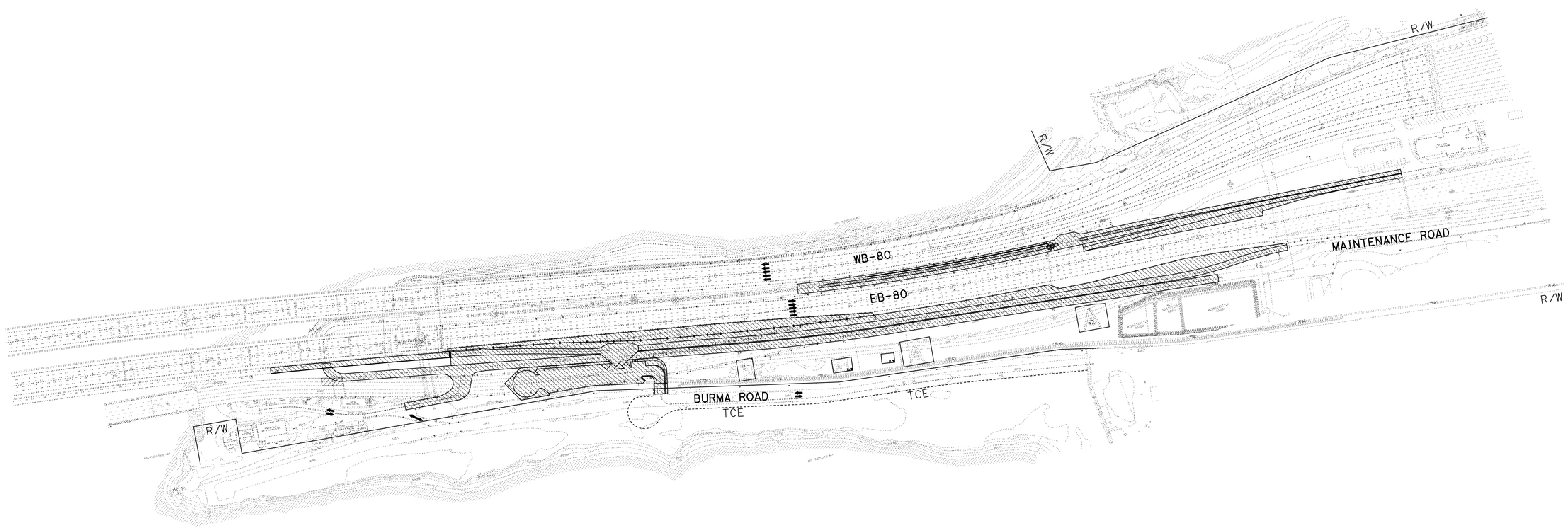
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

TRAFFIC:

- WB-80 W LINE, EB-80 E LINE (TEMPORARY CONFIGURATION), BURMA ROAD, AND MAINTENANCE ROAD OPEN TO TRAFFIC.
- UNLESS OTHERWISE NOTED, ALL TRAFFIC LANES SHALL HAVE A Min WIDTH OF 3.3 m AT ALL TIMES.

STAGE 3 CONSTRUCTION:

1. CONSTRUCT BIKE PATH ON BRIDGE NO. 34-0006R, BIKE PATH SLAB, BIKE PATH LANDING AND OUTFALL BRIDGE NO. 33-0742Y (SEE STRUCTURE PLANS).
2. CONSTRUCT REMAINING PORTION OF EB-80 E LINE ROADWAY.
3. CONSTRUCT MS1 AND MS2 LINE ROADWAY.
4. CONSTRUCT BP LINE BIKE PATH.
5. CONSTRUCT REMAINING PORTION OF MN LINE AND UNDERGROUND DUCT BANK AND INSTALL HIGH MAST LIGHT.
6. CONSTRUCT PL LINE PARKING LOT.
7. REMOVE PORTION OF STRUCTURE BR. NO. 33-0025 (SEE STRUCTURE PLANS).
8. CONSTRUCT TS LINE ROADWAY.



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

STAGE CONSTRUCTION
TRAFFIC HANDLING PLAN
STAGE 3
NO SCALE

FOR LEGEND, SEE SHEET SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY

SC-16

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: GABRIEL TCRUZ
CHECKED BY: RAFAEL RAVELO
FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TOLL BRIDGE

LAST REVISION 11-23-11 DATE PLOTTED => 01-MAR-2012 TIME PLOTTED => 13:52

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	122	744

Gabriel D Tcruz 6-2-11
REGISTERED CIVIL ENGINEER DATE

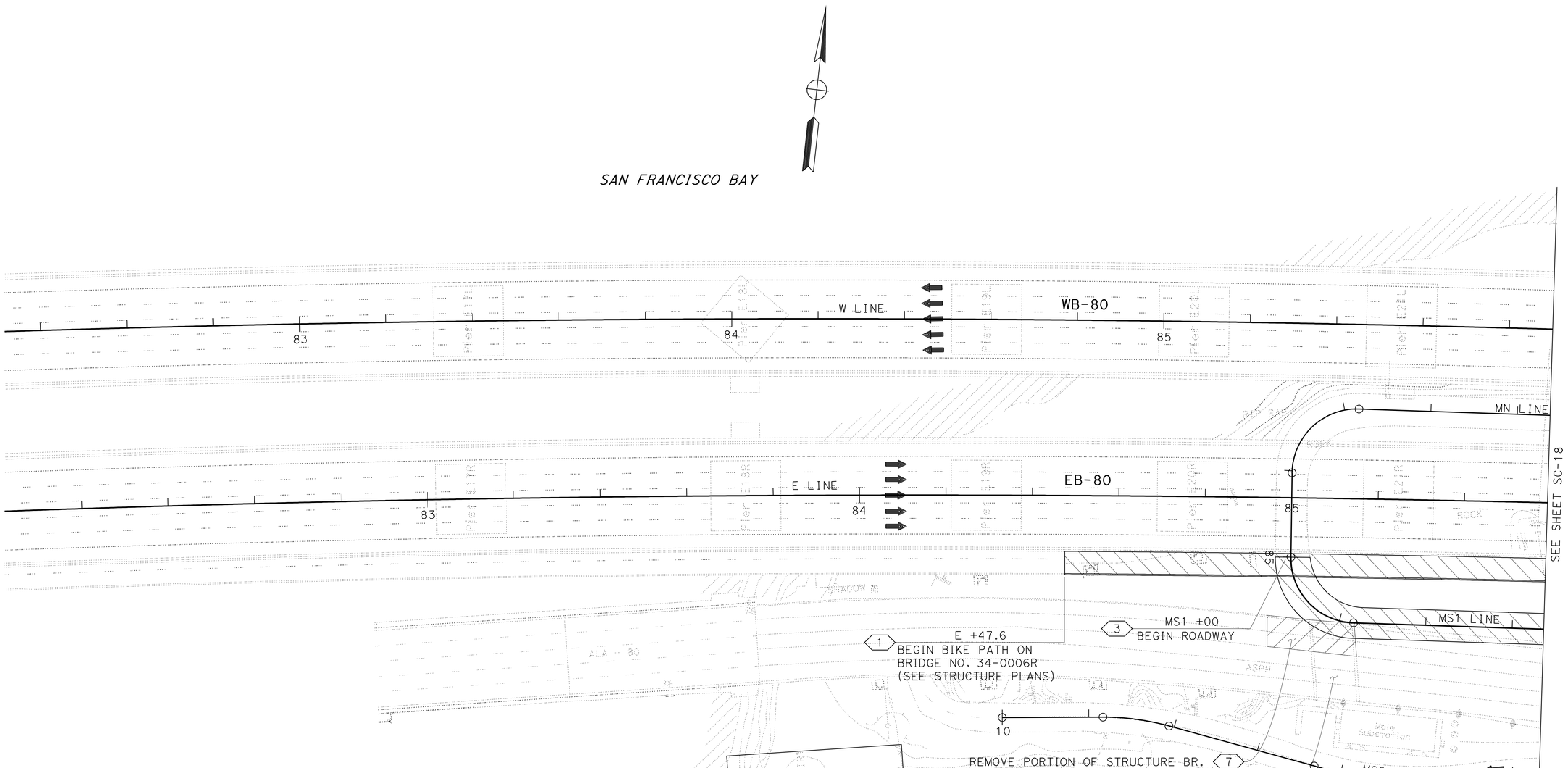
10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Gabriel Tcruz No. 68108 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.

Caltrans Metric

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



STAGE CONSTRUCTION
TRAFFIC HANDLING PLAN
STAGE 3

SCALE 1:500

FOR NOTES &/OR LEGEND, SEE SHEET SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

SC-17

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TOLL BRIDGE

FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ
CALCULATED-DESIGNED BY: GABRIEL TCRUZ
CHECKED BY: RAFAEL RAVELO
REVISED BY
DATE REVISED

LAST REVISION 11-23-11
DATE PLOTTED => 01-MAR-2012
TIME PLOTTED => 13:52

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	123	744

Gabriel D Tcruz 6-2-11
REGISTERED CIVIL ENGINEER DATE

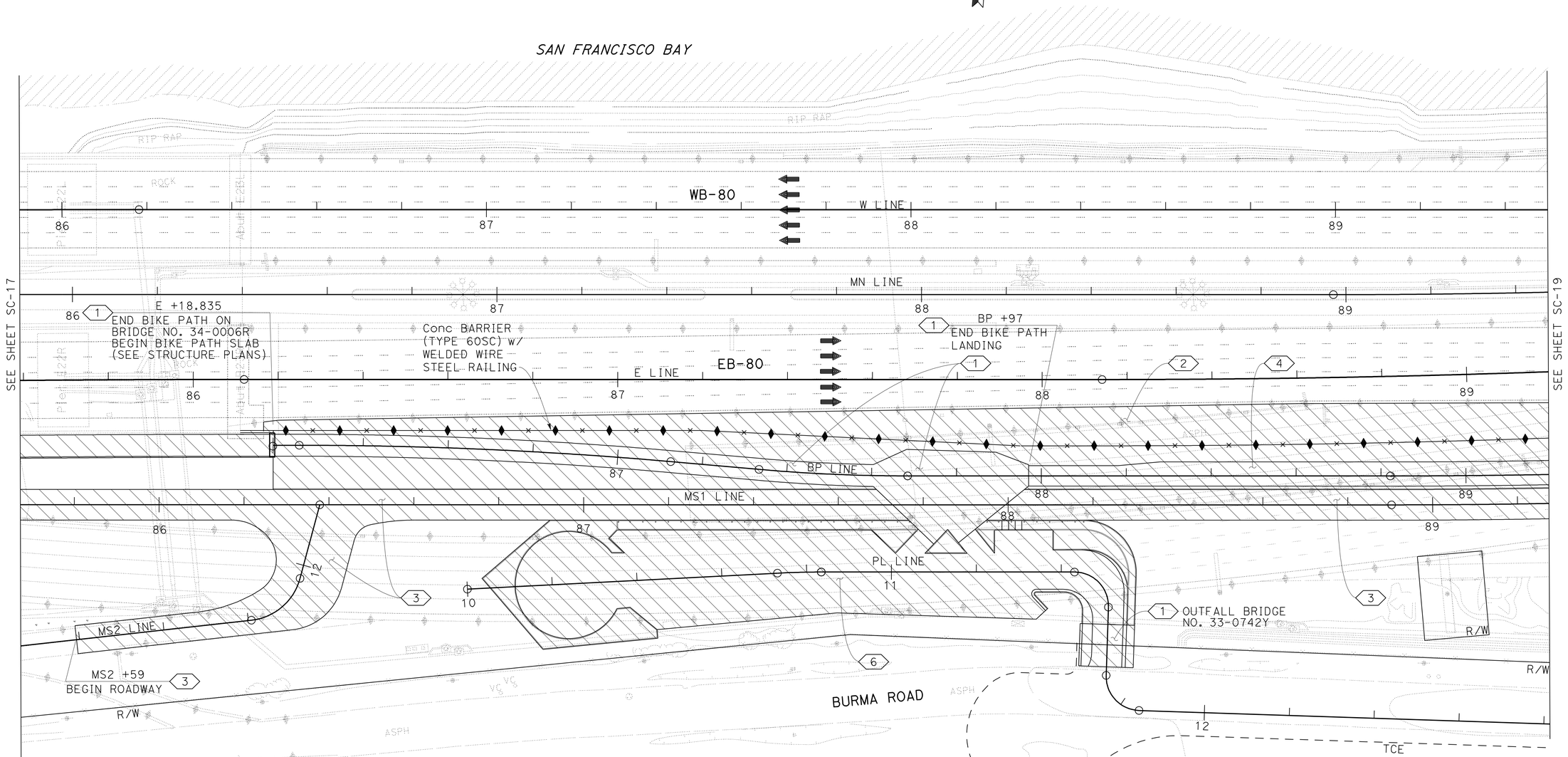
10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Gabriel Tcruz No. 68108 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.

Caltrans Metric

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



STAGE CONSTRUCTION
TRAFFIC HANDLING PLAN
STAGE 3

SCALE 1:500

FOR NOTES &/OR LEGEND, SEE SHEET SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

SC-18

LAST REVISION 11-23-11 DATE PLOTTED => 01-MAR-2012 TIME PLOTTED => 13:52

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans **TOLL BRIDGE**

FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ
CALCULATED-DESIGNED BY: GABRIEL TCRUZ
CHECKED BY: RAFAEL RAVELO
REVISED BY / DATE REVISED

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	124	744

REGISTERED CIVIL ENGINEER 6-2-11 DATE

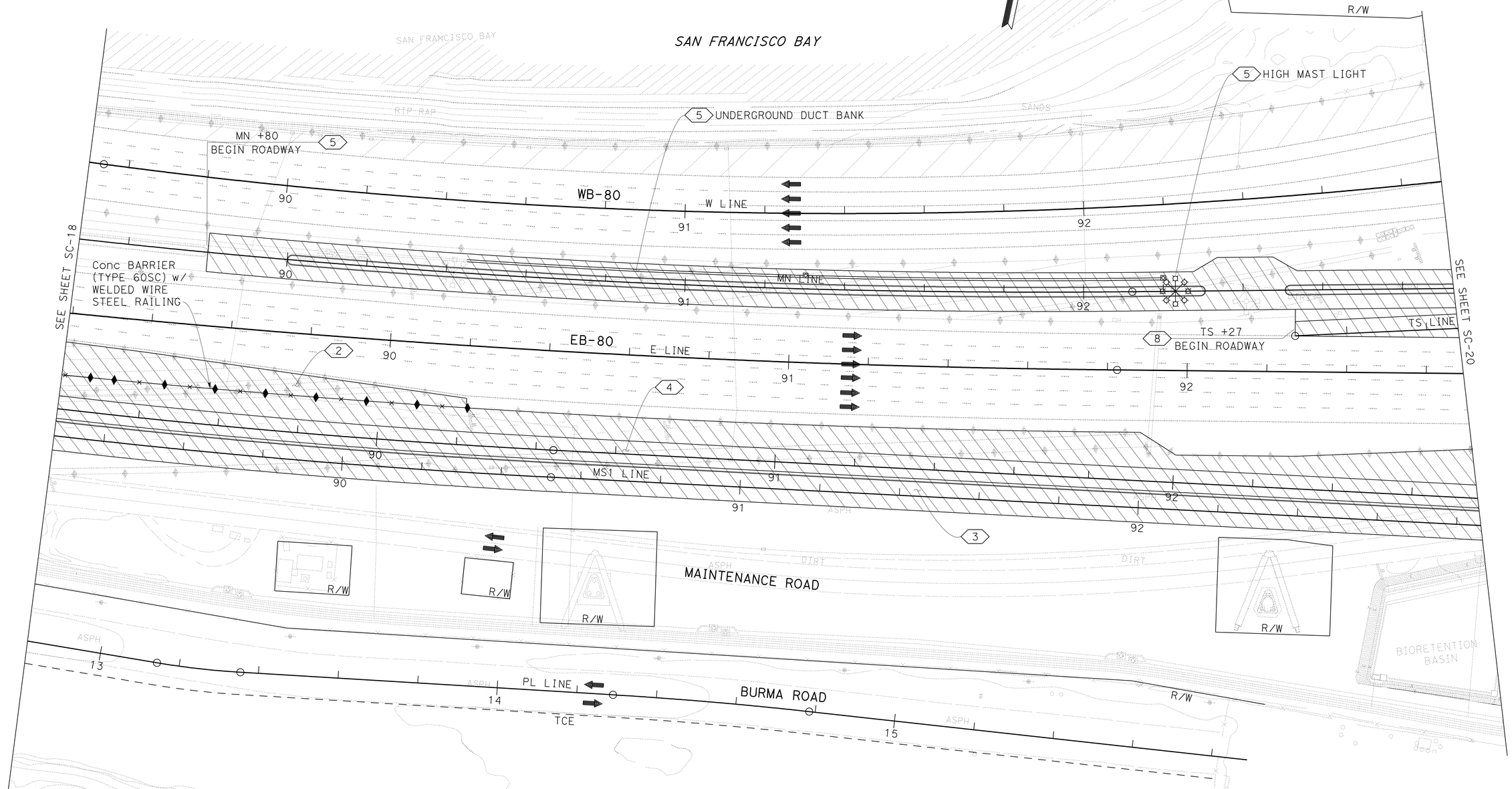
10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Gabriel Tcruz No. 68108 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.

Caltrans Metric

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



STAGE CONSTRUCTION
TRAFFIC HANDLING PLAN
STAGE 3

SCALE 1:500

FOR NOTES &/OR LEGEND, SEE SHEET SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

SC-19

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans **TOLL BRIDGE**

FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ

CALCULATED-DESIGNED BY: GABRIEL TCRUZ
CHECKED BY: RAFAEL RAVELO

REVISED BY | DATE REVISED

LAST REVISION 11-23-11
DATE PLOTTED => 01-MAR-2012
TIME PLOTTED => 13:52

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	125	744

REGISTERED CIVIL ENGINEER — DATE 6-2-11

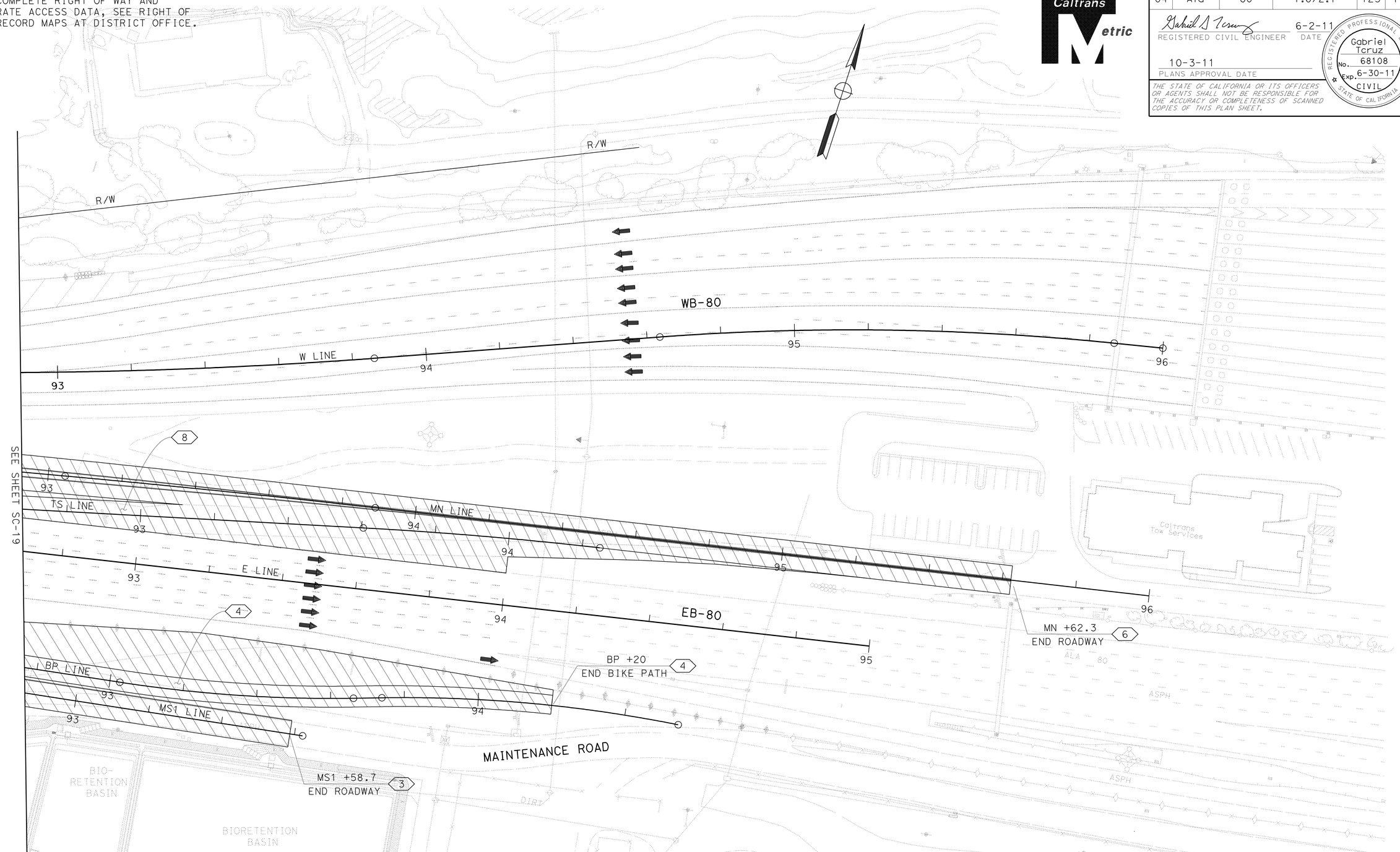
PLANS APPROVAL DATE 10-3-11

REGISTERED PROFESSIONAL ENGINEER — Gabriel Tcruz — No. 68108 — 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.

Caltrans Metric

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



STAGE CONSTRUCTION
TRAFFIC HANDLING PLAN
STAGE 3

SCALE 1:500

FOR NOTES &/OR LEGEND, SEE SHEET SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

SC-20

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans **TOLL BRIDGE**

FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ

CALCULATED-DESIGNED BY: GABRIEL TCRUZ
CHECKED BY: RAFAEL RAVELO

REVISED BY | DATE REVISED

LAST REVISION 11-23-11 | DATE PLOTTED => 01-MAR-2012 | TIME PLOTTED => 13:52

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	126	744

Gabriel D Tcruz 6-2-11
REGISTERED CIVIL ENGINEER DATE

10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Gabriel Tcruz No. 68108 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.

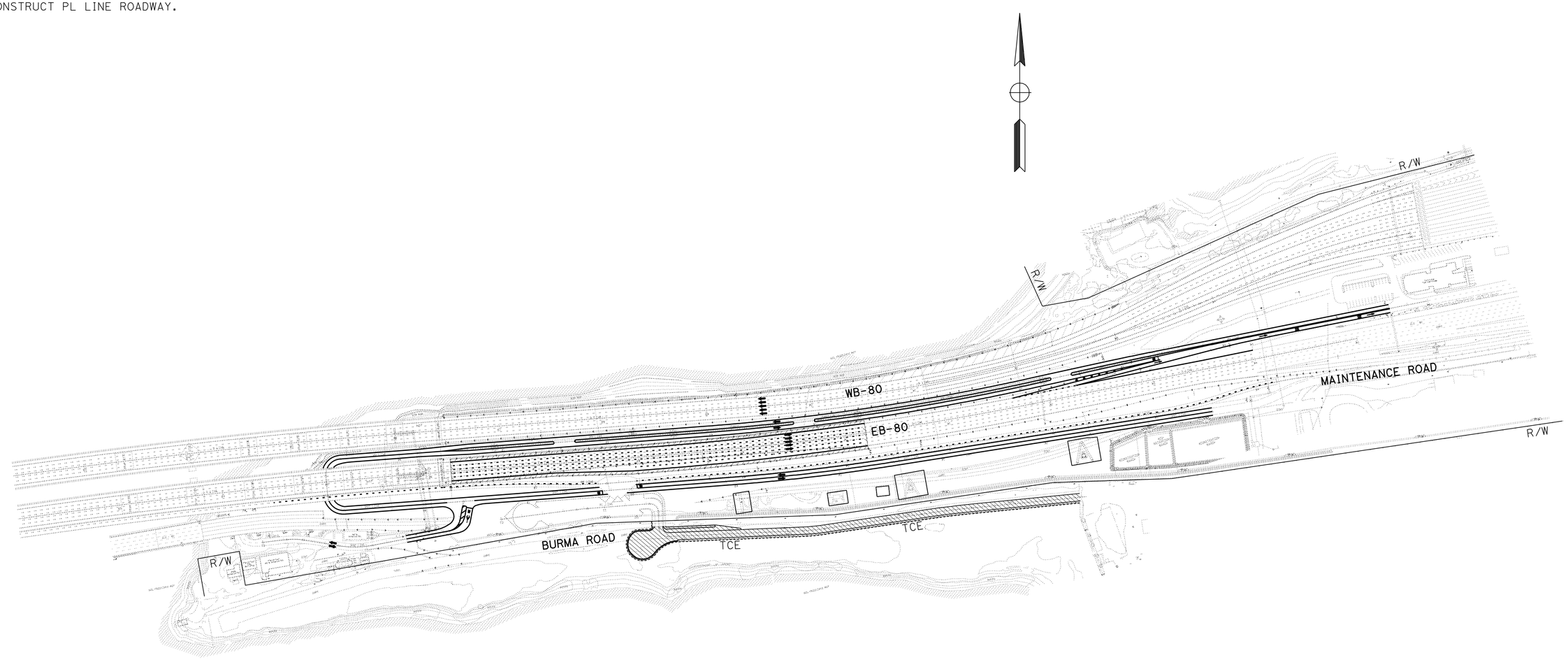
Caltrans Metric

TRAFFIC:

- WB-80 W LINE , EB-80 E LINE, AND MAINTENANCE ROAD OPEN TO TRAFFIC.
- UNLESS OTHERWISE NOTED, ALL TRAFFIC LANES SHALL HAVE A Min WIDTH OF 3.3 m AT ALL TIMES.

STAGE 4 CONSTRUCTION:

1. PLACE EB-80 E LINE 30 mm HMA (OG) SURFACING.
2. REMOVE TEMPORARY RAILING (TYPE K) AS SHOWN.
3. PLACE PAVEMENT DELINEATION.
4. CONSTRUCT PL LINE ROADWAY.



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

STAGE CONSTRUCTION
TRAFFIC HANDLING PLAN
STAGE 4

NO SCALE

FOR LEGEND, SEE SHEET SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY

SC-21

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TOLL BRIDGE

FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ
CALCULATED-DESIGNED BY: GABRIEL TCRUZ
CHECKED BY: RAFAEL RAVELO
REVISED BY / DATE REVISED

LAST REVISION 11-23-11
DATE PLOTTED => 01-MAR-2012
TIME PLOTTED => 13:52

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	127	744

Gabriel Tcruz 6-2-11
REGISTERED CIVIL ENGINEER DATE

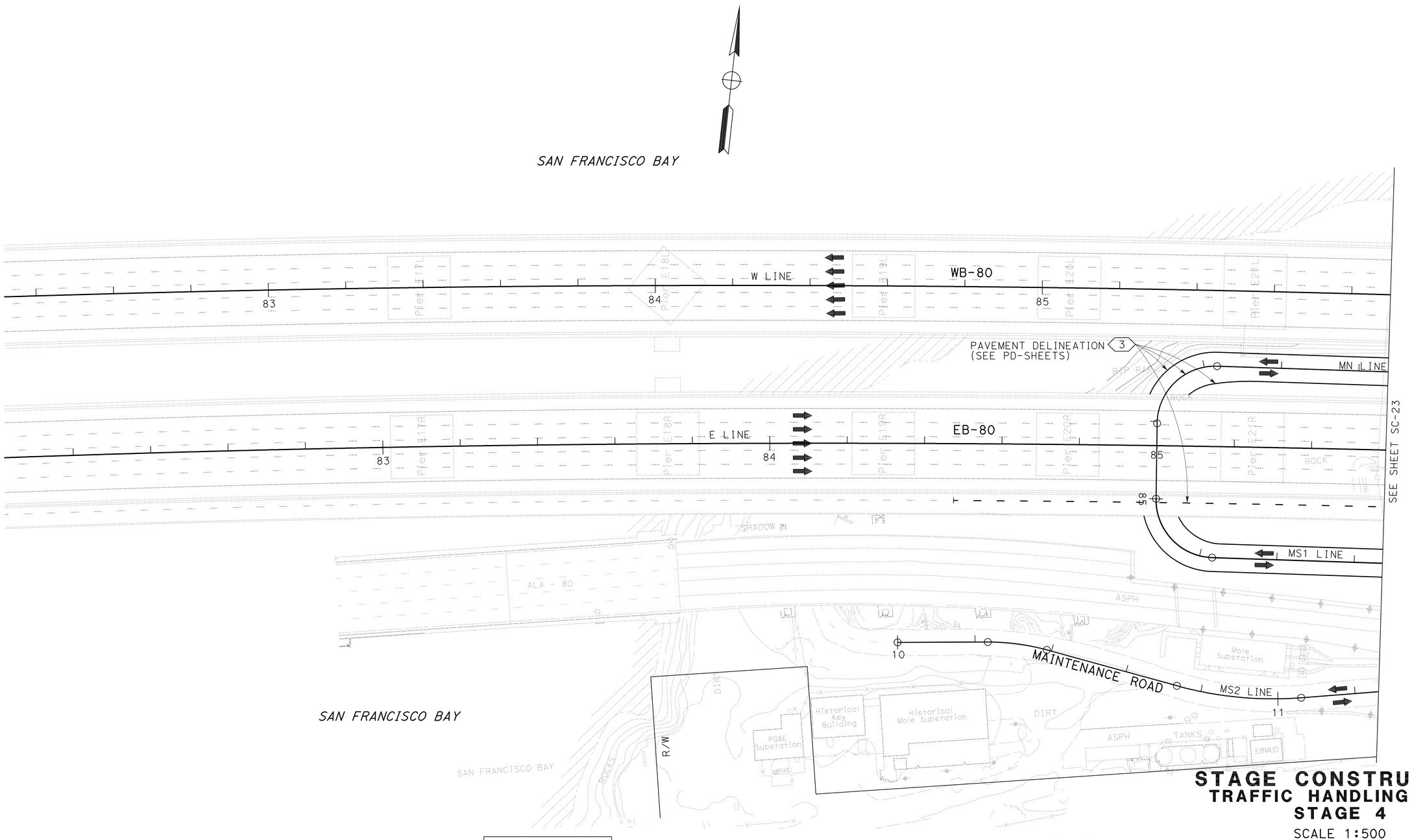
10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Gabriel Tcruz No. 68108 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.

Caltrans Metric

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



STAGE CONSTRUCTION
TRAFFIC HANDLING PLAN
STAGE 4

SCALE 1:500

FOR NOTES &/OR LEGEND, SEE SHEET SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

SC-22

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans **TOLL BRIDGE**

FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ
CALCULATED-DESIGNED BY: GABRIEL TCRUZ
CHECKED BY: RAFAEL RAVELO
REVISED BY
DATE REVISED

LAST REVISION 11-23-11
DATE PLOTTED => 01-MAR-2012
TIME PLOTTED => 13:53

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	128	744

REGISTERED CIVIL ENGINEER 6-2-11 DATE

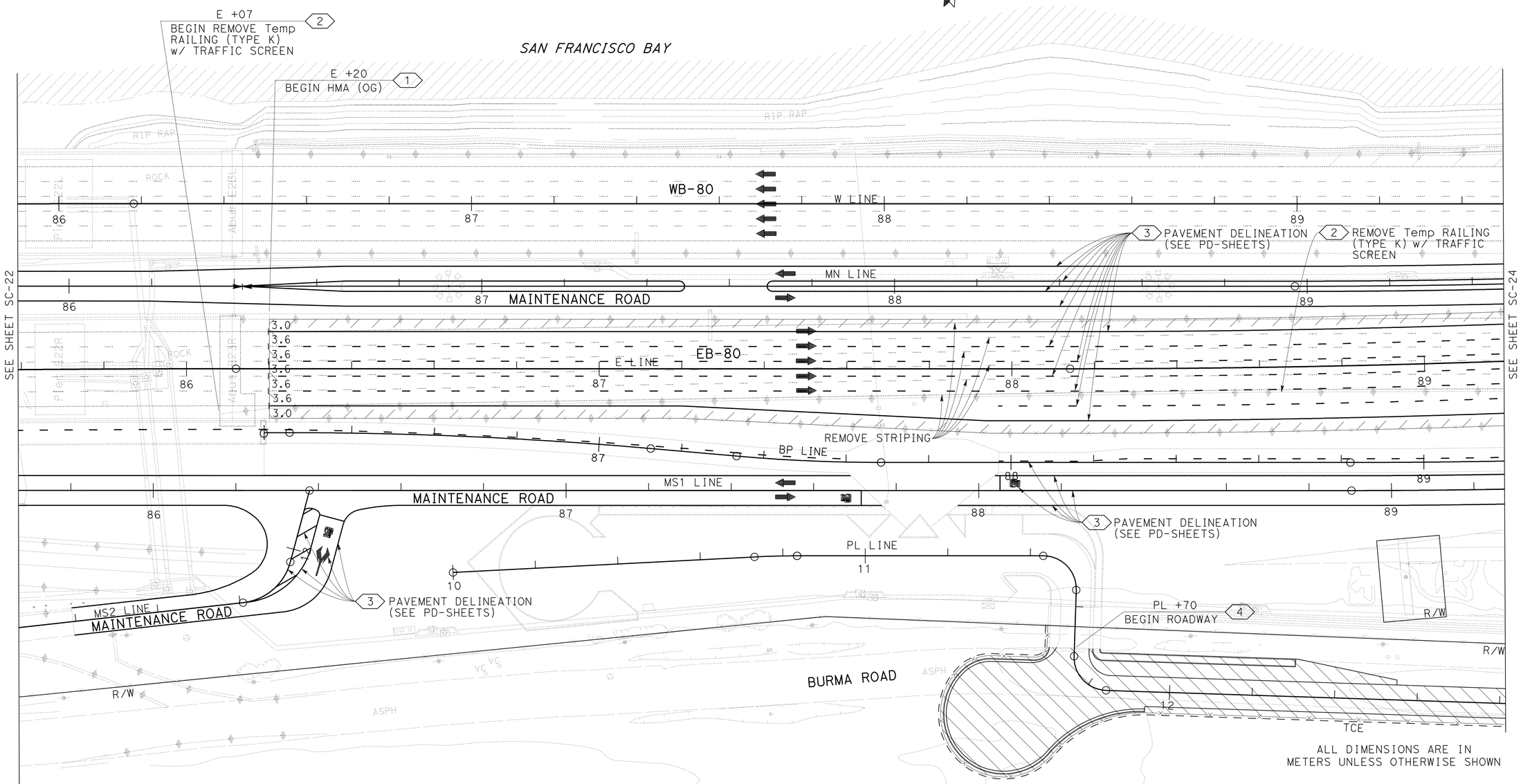
10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Gabriel Tcruz No. 68108 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.

Caltrans Metric

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

STAGE CONSTRUCTION
TRAFFIC HANDLING PLAN
STAGE 4

SCALE 1:500

FOR NOTES &/OR LEGEND, SEE SHEET SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

SC-23

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: GABRIEL TCRUZ
CHECKED BY: RAFAEL RAVELO
FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TOLL BRIDGE

LAST REVISION 11-23-11 | DATE PLOTTED => 01-MAR-2012 | TIME PLOTTED => 13:53

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	129	744

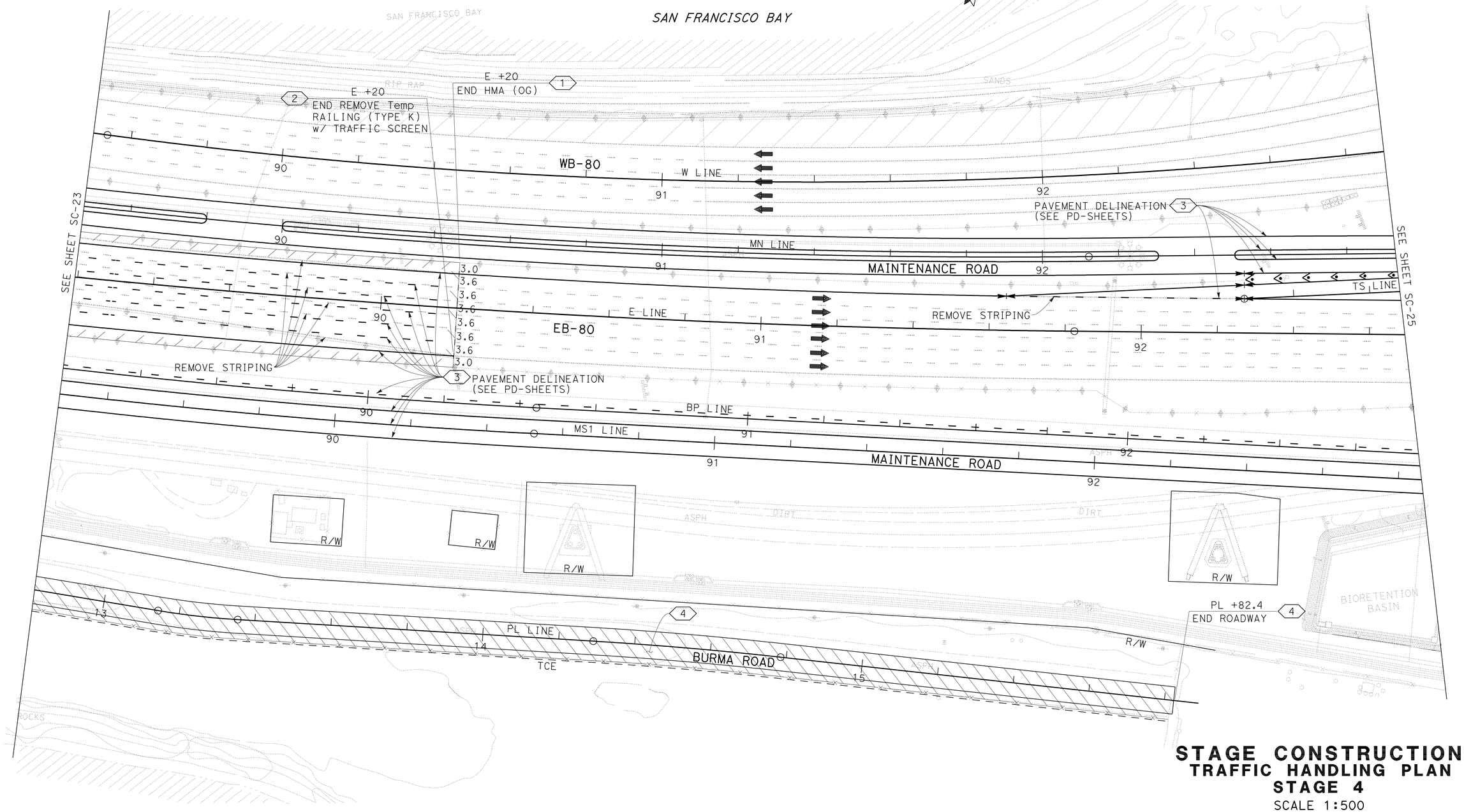
Gabriel D Tcruz 6-2-11
REGISTERED CIVIL ENGINEER DATE

10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Gabriel Tcruz No. 68108 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.

Caltrans Metric



STAGE CONSTRUCTION
TRAFFIC HANDLING PLAN
STAGE 4

SCALE 1:500

FOR NOTES &/OR LEGEND, SEE SHEET SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

SC-24

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: GABRIEL TCRUZ
CHECKED BY: RAFAEL RAVELO
FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TOLL BRIDGE

LAST REVISION 11-23-11 | DATE PLOTTED => 01-MAR-2012 | TIME PLOTTED => 13:53

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	130	744

REGISTERED CIVIL ENGINEER — DATE 6-2-11

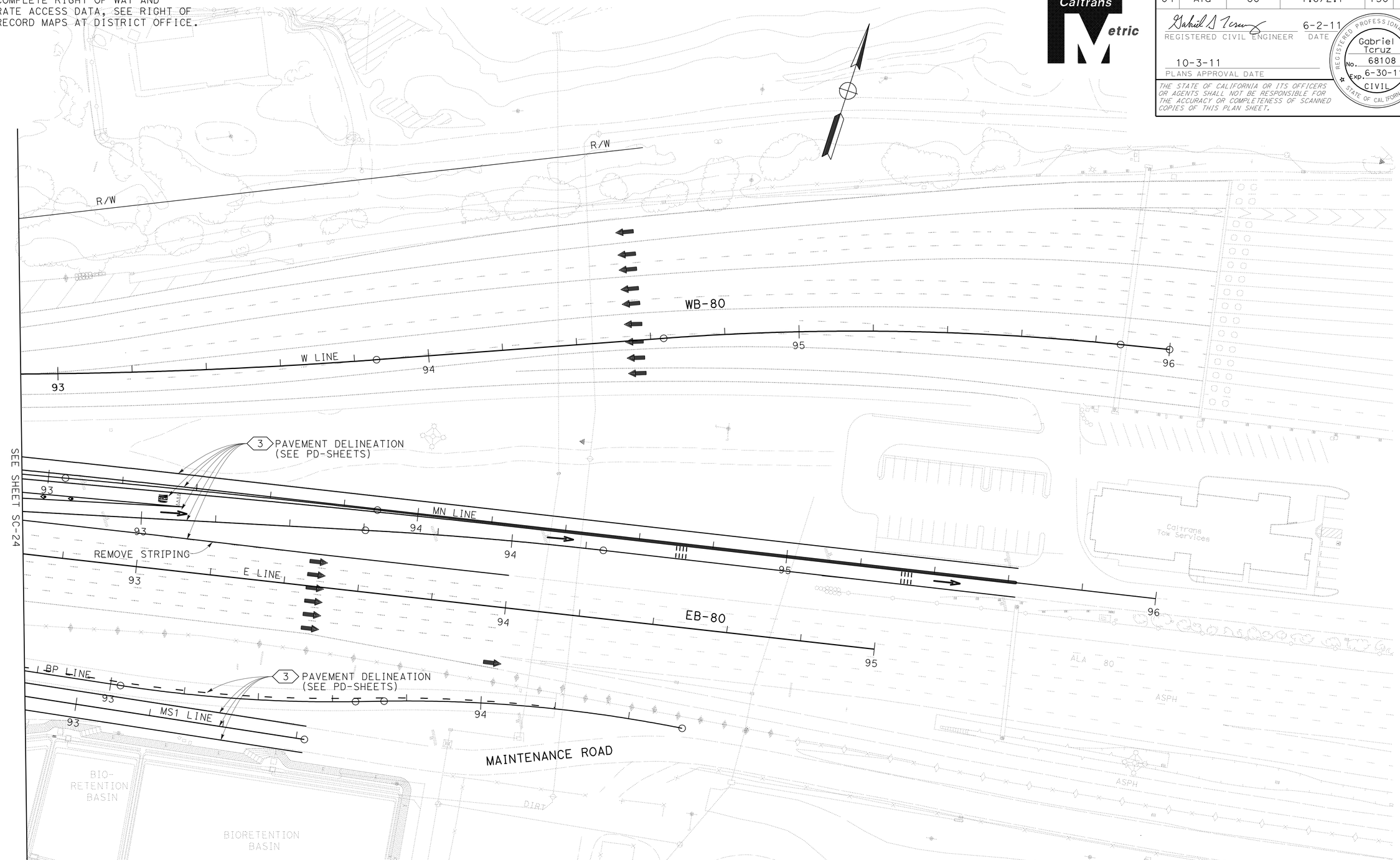
PLANS APPROVAL DATE 10-3-11

REGISTERED PROFESSIONAL ENGINEER — Gabriel Tcruz — No. 68108 — 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.

Caltrans Metric

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



STAGE CONSTRUCTION
TRAFFIC HANDLING PLAN
STAGE 4

SCALE 1:500

FOR NOTES &/OR LEGEND, SEE SHEET SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

SC-25

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans **TOLL BRIDGE**

FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ

CALCULATED-DESIGNED BY: GABRIEL TCRUZ

CHECKED BY: RAFAEL RAVELO

REVISED BY | DATE REVISED

LAST REVISION 11-23-11 | DATE PLOTTED => 01-MAR-2012 | TIME PLOTTED => 13:53

BORDER LAST REVISED 3/1/2007

RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => s124496
DGN FILE => 40120mma025.dgn

CU 04251

EA 0120M1

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	131	744

Rodrigo Puente 6-2-11
REGISTERED CIVIL ENGINEER DATE

10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Rodrigo Puente No. 58612 Exp. 12-31-12 CIVIL STATE OF CALIFORNIA

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

Caltrans Metric

TEMPORARY PAVEMENT DELINEATION

SHEET No.	STAGE CONSTRUCTION	STATION LIMITS OR LOCATION	DETAIL No. OR PAVEMENT MARKING	TEMPORARY TRAFFIC STRIPE (PAINT) 100 mm YELLOW	TEMPORARY TRAFFIC STRIPE (PAINT) 100 mm WHITE	TEMPORARY TRAFFIC STRIPE (PAINT) 100 mm WHITE (BROKEN) (10.98-3.66)	TEMPORARY PAVEMENT MARKER NON-REFLECTIVE TYPE A	TEMPORARY PAVEMENT MARKER RETRO-REFLECTIVE TYPE G	TEMPORARY PAVEMENT MARKER RETRO-REFLECTIVE TYPE H
				m			EA		
SC-8	STAGE 1 - PHASE 2	R† E 86+20 TO 88+35	25	215					16
		R† E 86+20 TO 88+35	13M			860	240	64	
		R† E 86+20 TO 88+35	27B		215				
SC-13, SC-14	STAGE 2	R† E 88+35 TO 90+20	25	185					14
		R† E 88+35 TO 90+20	13M			740	208	56	
		R† E 88+35 TO 90+20	27B		185				
			SUBTOTAL	400	400	1600	448	120	30
			TOTAL	2400			598		

TEMPORARY RAILING (TYPE K)

SHEET No.	STAGE CONSTRUCTION	LOCATION	TEMPORARY RAILING (TYPE K)
			m
SC-3	STAGE 1 - PHASE 1	R† E 86+07 TO 88+35	228
SC-13, SC-14	STAGE 2	R† E 88+35 TO 90+20	185
		TOTAL	413

REMOVE PAVEMENT MARKER

SHEET No.	STAGE CONSTRUCTION	STATION LIMITS OR LOCATION	DETAIL No. OR PAVEMENT MARKING	REMOVE PAVEMENT MARKER [N] NON-REFLECTIVE TYPE A	REMOVE PAVEMENT MARKER [N] RETRO-REFLECTIVE TYPE G	REMOVE PAVEMENT MARKER [N] RETRO-REFLECTIVE TYPE H
				EA		
SC-13, SC-14, SC-15	STAGE 2	E 88+35 TO 91+24	13MS	200	154	
		E 88+35 TO 91+24	25			14
		W 91+25 TO 94+10	13MS	268	208	
		W 91+25 TO 94+10	13M	84	24	
			SUBTOTAL	552	386	14
			SUBTOTAL FROM STAGE CONSTRUCTION	952		
			TOTAL	*		

[N] NOT A SEPARATE PAY ITEM. FOR INFORMATION ONLY.
* SEE PDQ-3 FOR TOTAL QUANTITIES

ROADSIDE SIGN QUANTITIES

RELOCATE ROADSIDE SIGN - TWO POST	4
TOTAL	*

* SEE SQ-3 FOR TOTAL QUANTITIES

TEMPORARY TRAFFIC SCREEN

SHEET No.	STAGE CONSTRUCTION	LOCATION	TEMPORARY TRAFFIC SCREEN
			m
SC-3	STAGE 1 - PHASE 1	R† E 86+07 TO 88+35	228
SC-13, SC-14	STAGE 2	R† E 88+35 TO 90+20	185
		TOTAL	413

STAGE CONSTRUCTION QUANTITIES

SCQ-1

REVISED BY | DATE REVISED
RODRIGO PUENTE | GABRIEL TORRUZ
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR
JAIME E. GUTIERREZ

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TOLL BRIDGE

LAST REVISION 11-23-11 | DATE PLOTTED => 01-MAR-2012 | TIME PLOTTED => 13:53

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	132	744

REGISTERED CIVIL ENGINEER 6-1-11 DATE

10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Shi F. Lam No. 50970 Exp. 9-30-11 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.

Caltrans Metric

RIGHT OF WAY LIMITS ARE INDETERMINATE, AND ARE NOT SHOWN. THE CONTRACTOR MUST CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE FOR CONDITIONS OF USE PRIOR TO COMMENCING WORK.

NOTES:

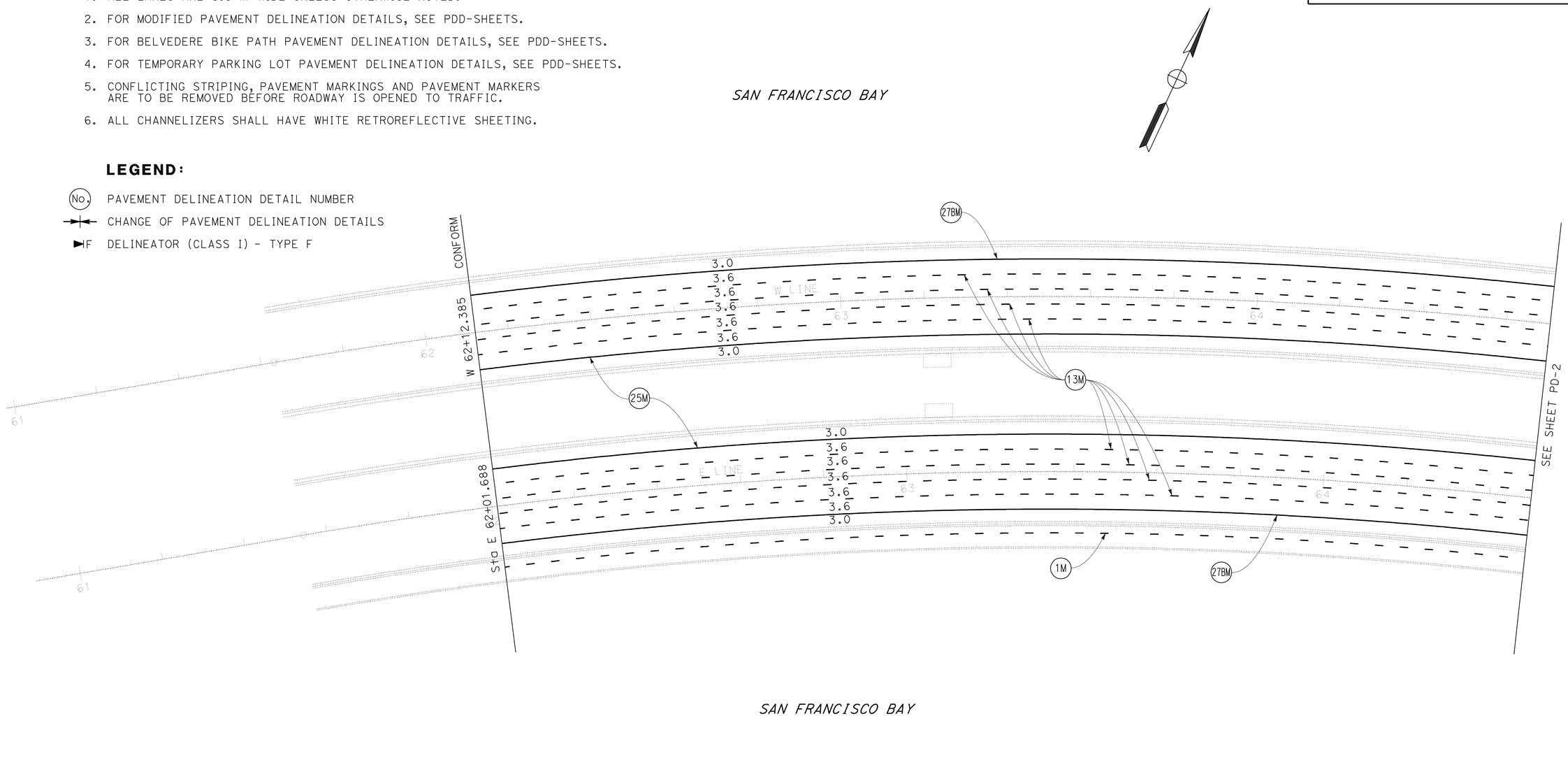
1. ALL LANES ARE 3.6 m WIDE UNLESS OTHERWISE NOTED.
2. FOR MODIFIED PAVEMENT DELINEATION DETAILS, SEE PDD-SHEETS.
3. FOR BELVEDERE BIKE PATH PAVEMENT DELINEATION DETAILS, SEE PDD-SHEETS.
4. FOR TEMPORARY PARKING LOT PAVEMENT DELINEATION DETAILS, SEE PDD-SHEETS.
5. CONFLICTING STRIPING, PAVEMENT MARKINGS AND PAVEMENT MARKERS ARE TO BE REMOVED BEFORE ROADWAY IS OPENED TO TRAFFIC.
6. ALL CHANNELIZERS SHALL HAVE WHITE RETROREFLECTIVE SHEETING.

LEGEND:

(No.) PAVEMENT DELINEATION DETAIL NUMBER

CHANGE OF PAVEMENT DELINEATION DETAILS

F DELINEATOR (CLASS I) - TYPE F



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

PAVEMENT DELINEATION PLAN

SCALE 1:500

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY

PD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

TOLL BRIDGE

FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ

CALCULATED-DESIGNED BY: SHI F. LAM

CHECKED BY: EMILY TANG

REVISED BY | DATE REVISED

LAST REVISION 07-28-11 | DATE PLOTTED => 06-OCT-2011 | TIME PLOTTED => 06:28

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	133	744

REGISTERED CIVIL ENGINEER 6-1-11 DATE

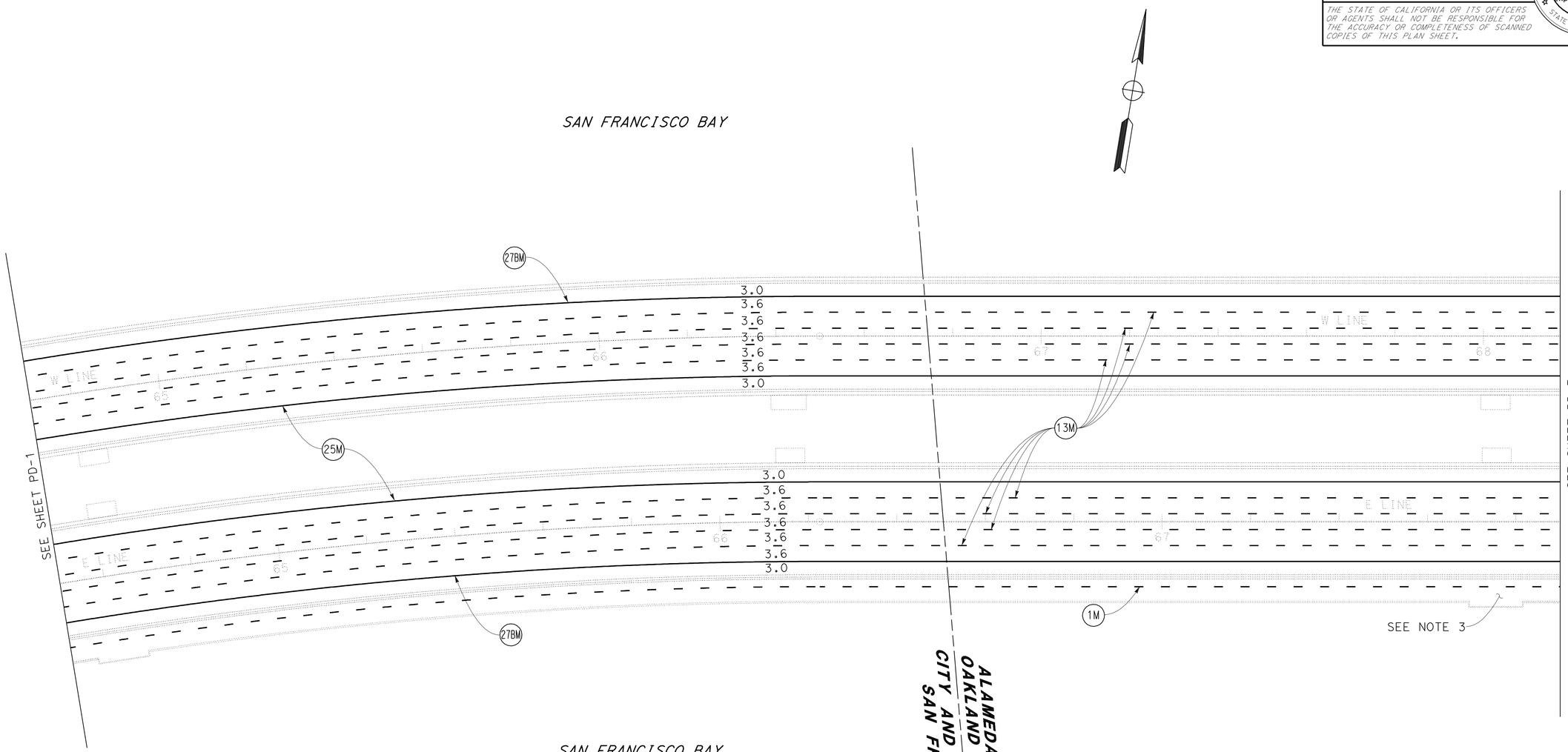
10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Shi F. Lam No. 50970 Exp. 9-30-11 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.

Caltrans Metric

RIGHT OF WAY LIMITS ARE INDETERMINATE, AND ARE NOT SHOWN. THE CONTRACTOR MUST CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE FOR CONDITIONS OF USE PRIOR TO COMMENCING WORK.



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

PAVEMENT DELINEATION PLAN

SCALE 1:500

FOR NOTES, ABBREVIATIONS &/OR LEGEND, SEE SHEET PD-1

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY

PD-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TOLL BRIDGE

FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ
CALCULATED-DESIGNED BY: SHI F. LAM
CHECKED BY: EMILY TANG
REVISED BY
DATE REVISED

LAST REVISION 05-24-11
DATE PLOTTED => 06-OCT-2011
TIME PLOTTED => 08:29

RIGHT OF WAY LIMITS ARE INDETERMINATE, AND ARE NOT SHOWN. THE CONTRACTOR MUST CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE FOR CONDITIONS OF USE PRIOR TO COMMENCING WORK.

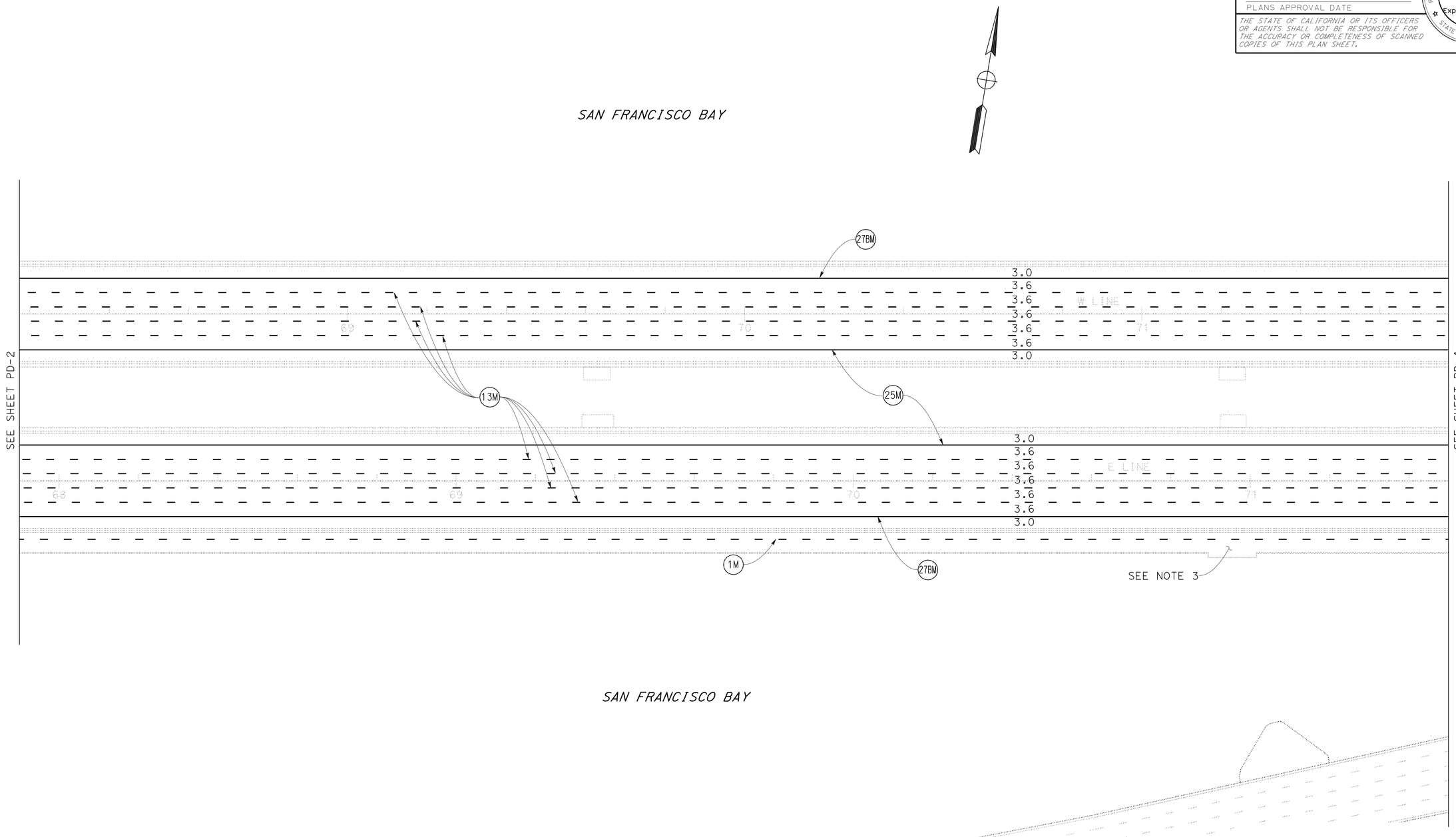
Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	134	744

REGISTERED CIVIL ENGINEER 6-1-11 DATE

10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Shi F. Lam No. 50970 Exp. 9-30-11 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.



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

PAVEMENT DELINEATION PLAN

SCALE 1:500

FOR NOTES, ABBREVIATIONS &/OR LEGEND, SEE SHEET PD-1

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY

PD-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TOLL BRIDGE

FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ
CALCULATED-DESIGNED BY: SHI F. LAM
CHECKED BY: EMILY TANG
REVISED BY
DATE REVISED

LAST REVISION 05-24-11
DATE PLOTTED => 06-OCT-2011
TIME PLOTTED => 06:29

RIGHT OF WAY LIMITS ARE INDETERMINATE, AND ARE NOT SHOWN. THE CONTRACTOR MUST CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE FOR CONDITIONS OF USE PRIOR TO COMMENCING WORK.

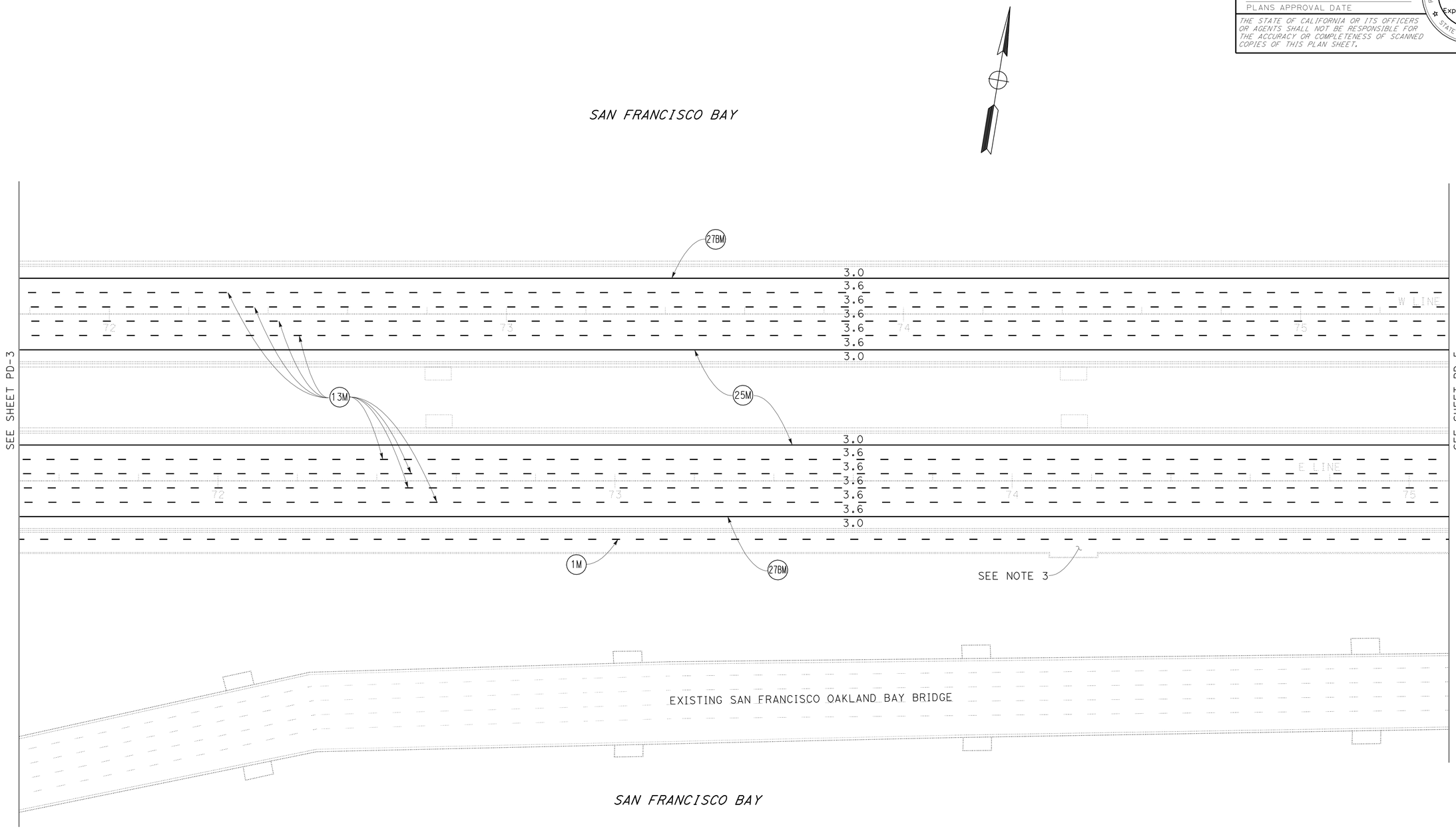
Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	135	744

REGISTERED CIVIL ENGINEER 6-1-11 DATE

10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Shi F. Lam No. 50970 Exp. 9-30-11 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.



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

PAVEMENT DELINEATION PLAN

SCALE 1:500

FOR NOTES, ABBREVIATIONS &/OR LEGEND, SEE SHEET PD-1

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY

PD-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TOLL BRIDGE

FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ
CALCULATED-DESIGNED BY: SHI F. LAM
CHECKED BY: EMILY TANG
REVISED BY
DATE REVISED

LAST REVISION 05-24-11
DATE PLOTTED => 06-OCT-2011
TIME PLOTTED => 06:29

RIGHT OF WAY LIMITS ARE INDETERMINATE, AND ARE NOT SHOWN. THE CONTRACTOR MUST CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE FOR CONDITIONS OF USE PRIOR TO COMMENCING WORK.

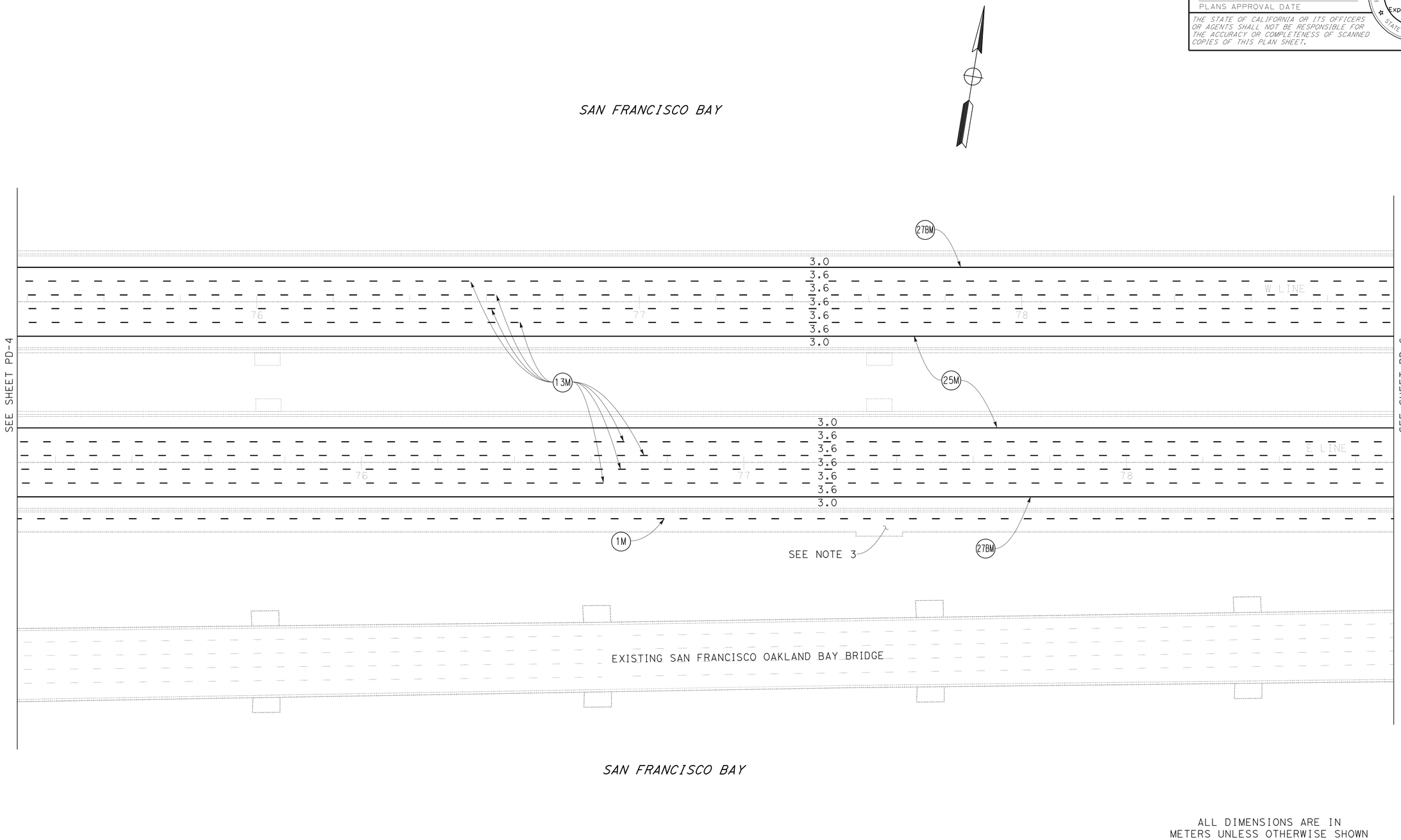
Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	136	744

REGISTERED CIVIL ENGINEER 6-1-11 DATE

10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Shi F. Lam No. 50970 Exp. 9-30-11 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.



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

PAVEMENT DELINEATION PLAN

SCALE 1:500

FOR NOTES, ABBREVIATIONS &/OR LEGEND, SEE SHEET PD-1

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY

PD-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TOLL BRIDGE

FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ
CALCULATED-DESIGNED BY: SHI F. LAM
CHECKED BY: EMILY TANG
REVISED BY
DATE REVISED

LAST REVISION 05-24-11
DATE PLOTTED => 06-OCT-2011
TIME PLOTTED => 06:29

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	137	744

REGISTERED CIVIL ENGINEER 6-1-11 DATE

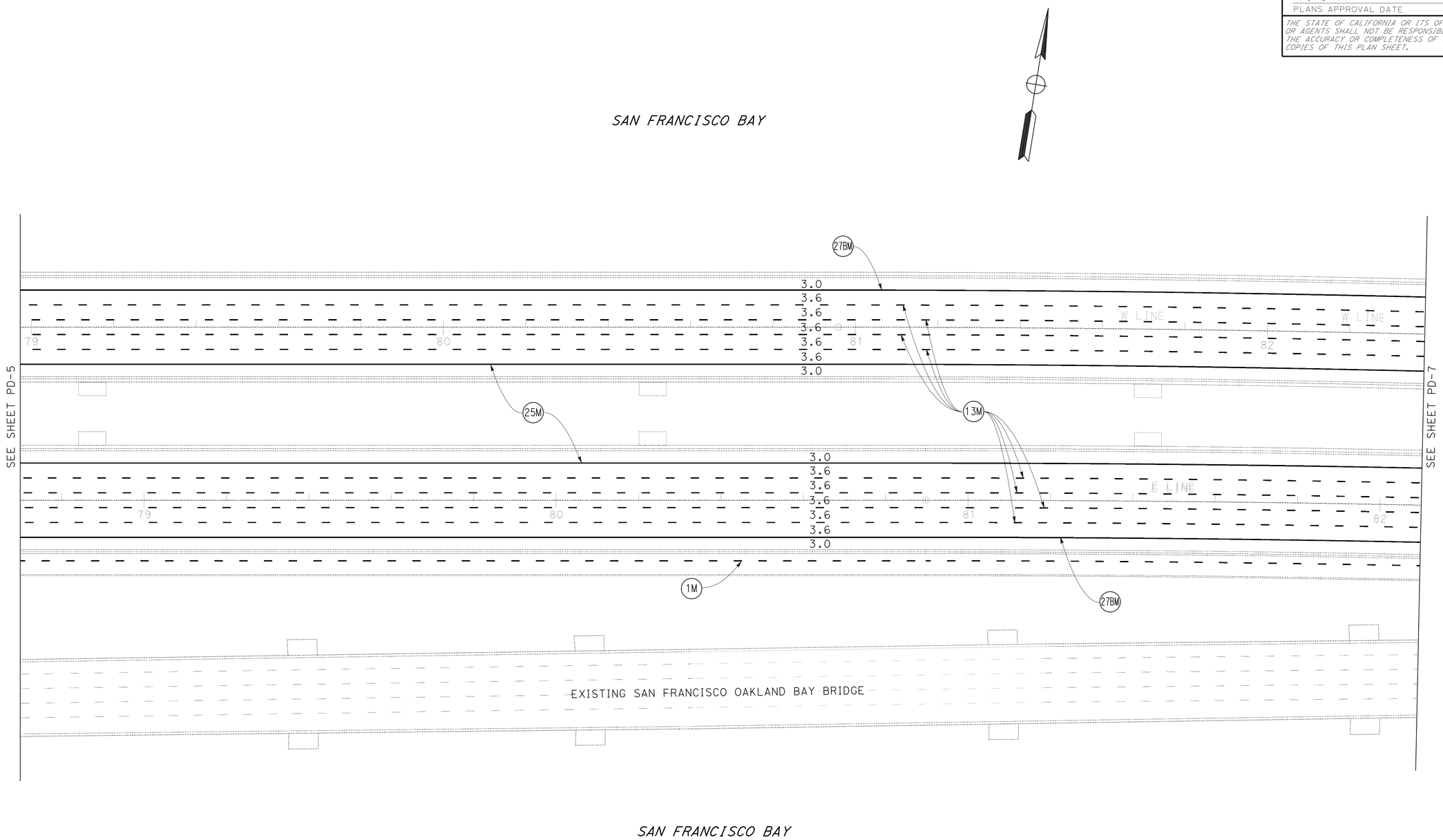
10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Shi F. Lam No. 50970 Exp. 9-30-11 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.

Caltrans Metric

RIGHT OF WAY LIMITS ARE INDETERMINATE, AND ARE NOT SHOWN. THE CONTRACTOR MUST CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE FOR CONDITIONS OF USE PRIOR TO COMMENCING WORK.



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

PAVEMENT DELINEATION PLAN

SCALE 1:500

FOR NOTES, ABBREVIATIONS &/OR LEGEND, SEE SHEET PD-1

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY

PD-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TOLL BRIDGE

FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ
CALCULATED-DESIGNED BY: SHI F. LAM
CHECKED BY: EMILY TANG
REVISED BY
DATE REVISED

LAST REVISION 05-24-11
DATE PLOTTED => 06-OCT-2011
TIME PLOTTED => 06:29

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	138	744

REGISTERED CIVIL ENGINEER 6-1-11 DATE

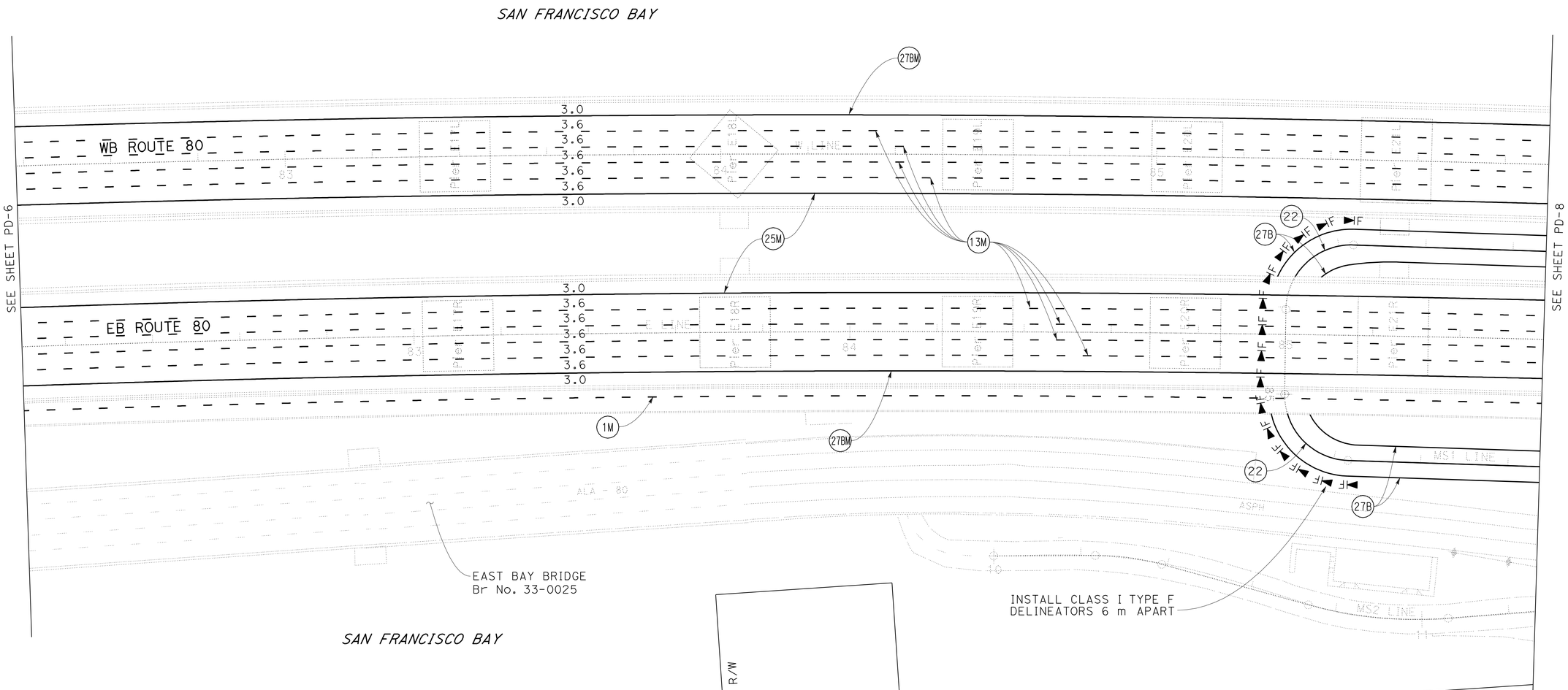
10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Shi F. Lam No. 50970 Exp. 9-30-11 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.

Caltrans Metric

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

PAVEMENT DELINEATION PLAN

SCALE 1:500

FOR NOTES, ABBREVIATIONS &/OR LEGEND, SEE SHEET PD-1

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY

PD-7

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans **TOLL BRIDGE**

FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ
CALCULATED-DESIGNED BY: SHI F. LAM
CHECKED BY: EMILY TANG
REVISED BY / DATE REVISED

LAST REVISION 07-28-11 | DATE PLOTTED => 06-OCT-2011 | TIME PLOTTED => 0629

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	139	744

REGISTERED CIVIL ENGINEER 6-1-11 DATE

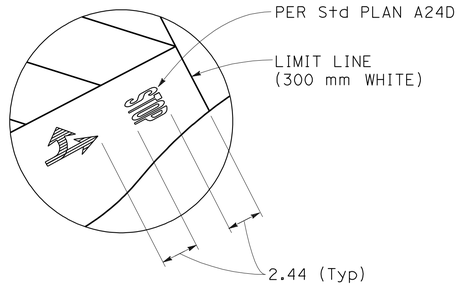
10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Shi F. Lam No. 50970 Exp. 9-30-11 CIVIL STATE OF CALIFORNIA

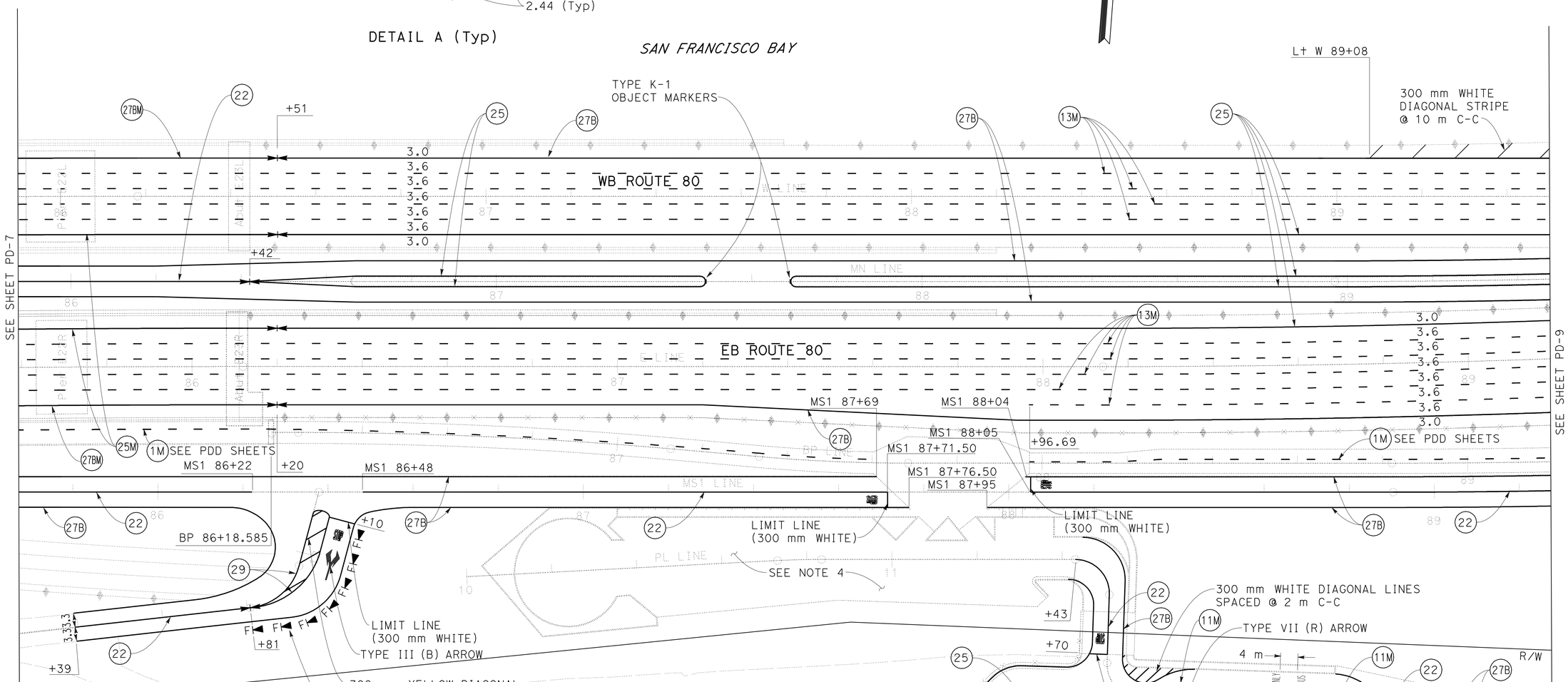
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

Caltrans Metric

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



DETAIL A (Typ)



PAVEMENT DELINEATION PLAN

SCALE 1:500

FOR NOTES, ABBREVIATIONS &/OR LEGEND, SEE SHEET PD-1

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY

PD-8

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans **TOLL BRIDGE**

FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ
CALCULATED-DESIGNED BY: SHI F. LAM
CHECKED BY: EMILY TANG
REVISED BY / DATE REVISED

LAST REVISION 07-28-11 | DATE PLOTTED => 06-OCT-2011 | TIME PLOTTED => 06:29

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	140	744

REGISTERED CIVIL ENGINEER 6-2-11 DATE

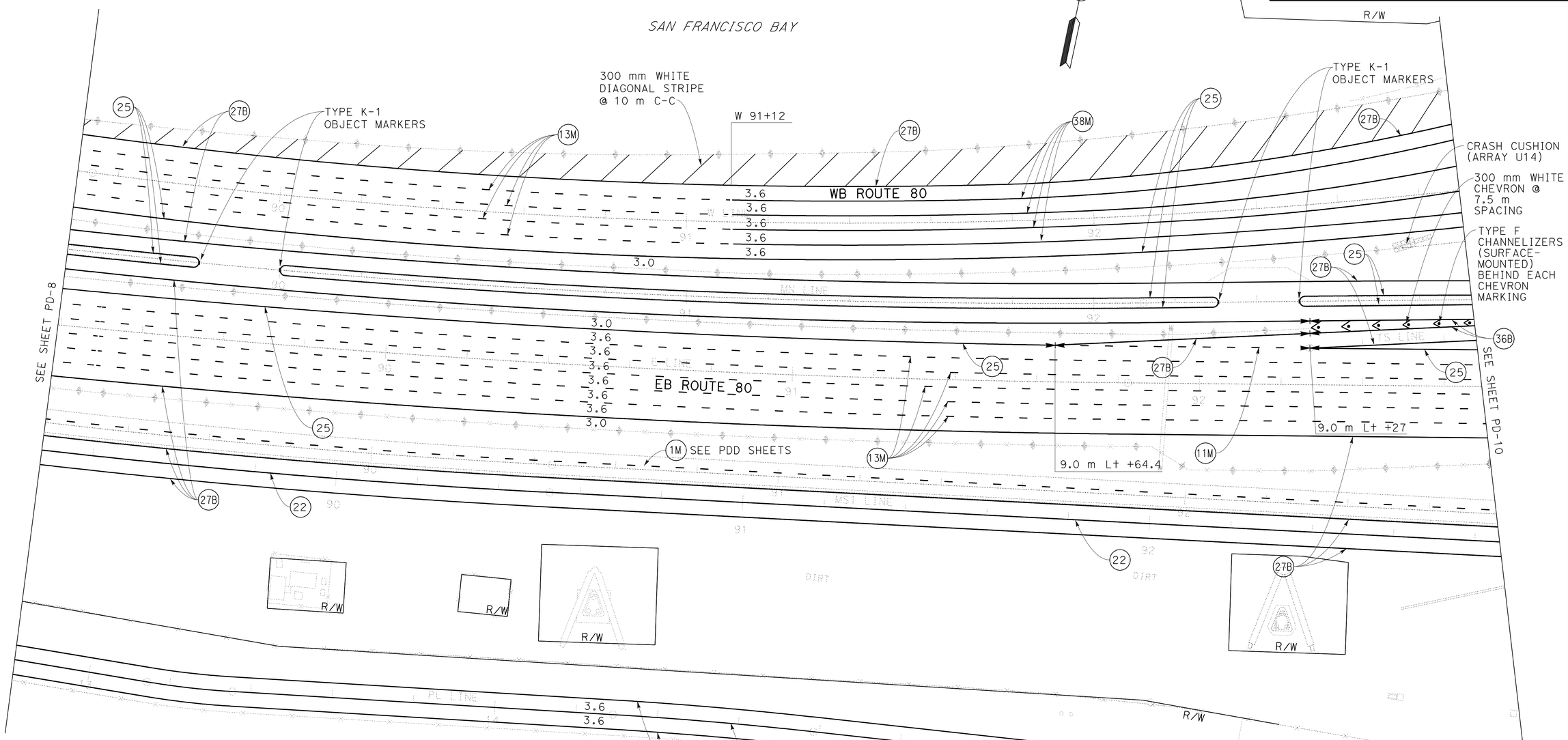
10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Rodney Oto No. 42739 Exp. 3-31-12 CIVIL STATE OF CALIFORNIA

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

Caltrans Metric

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

PAVEMENT DELINEATION PLAN

SCALE 1:500

FOR NOTES, ABBREVIATIONS &/OR LEGEND, SEE SHEET PD-1

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY

PD-9

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans **TOLL BRIDGE**

FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ
CALCULATED-DESIGNED BY: EMILY TANG
CHECKED BY:
REVISED BY:
DATE REVISED:

RODNEY N. OTO

LAST REVISION 07-28-11
DATE PLOTTED => 06-OCT-2011
TIME PLOTTED => 06:29

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	141	744

REGISTERED CIVIL ENGINEER 6-2-11 DATE

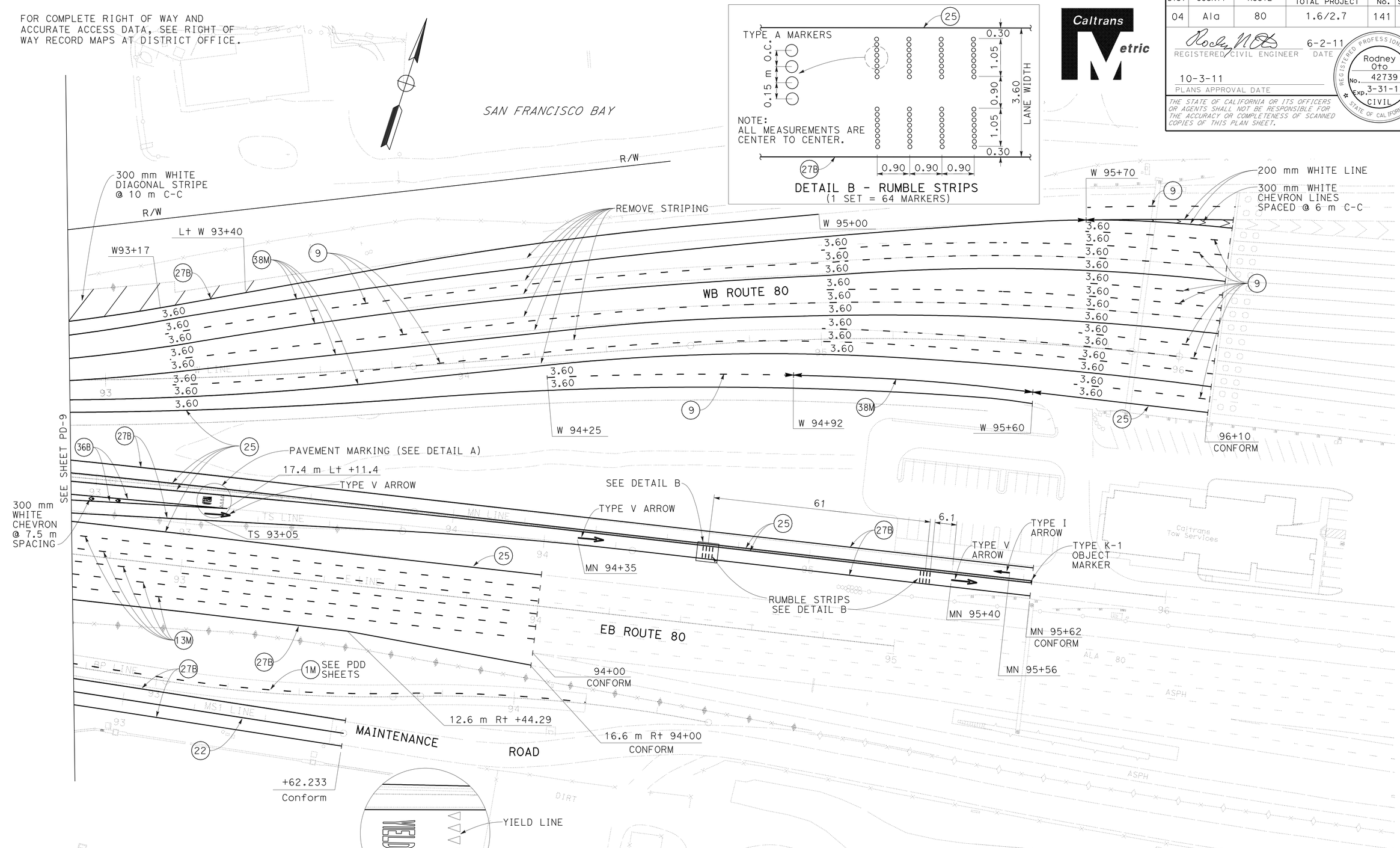
10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Rodney Oto No. 42739 Exp. 3-31-12 CIVIL STATE OF CALIFORNIA

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

Caltrans Metric

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

PAVEMENT DELINEATION PLAN

SCALE 1:500

FOR NOTES, ABBREVIATIONS &/OR LEGEND, SEE SHEET PD-1

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY

PD-10

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans **TOLL BRIDGE**

FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ
CALCULATED-DESIGNED BY: RODNEY N. OTO
CHECKED BY: EMILY TANG
REVISED BY / DATE REVISED

LAST REVISION 07-28-11 DATE PLOTTED => 06-OCT-2011 TIME PLOTTED => 06:29

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	142	744

REGISTERED CIVIL ENGINEER 6-1-11 DATE

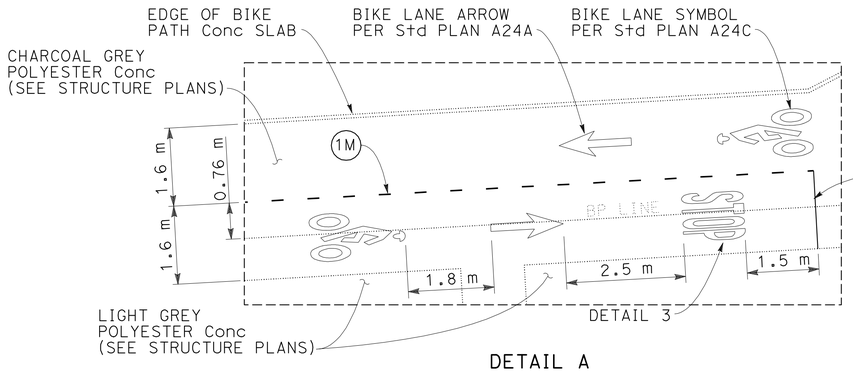
10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Shi F. Lam No. 50970 Exp. 9-30-11 CIVIL STATE OF CALIFORNIA

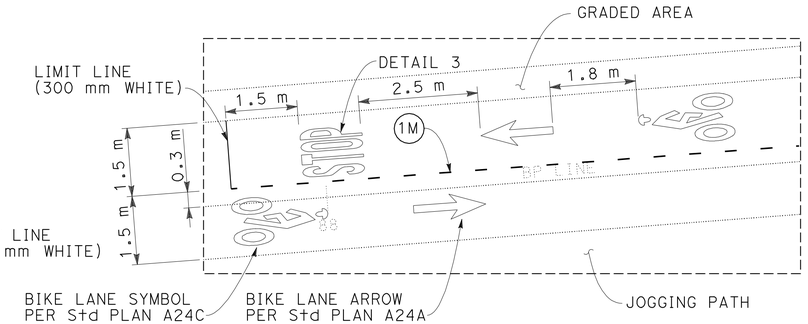
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

Caltrans Metric

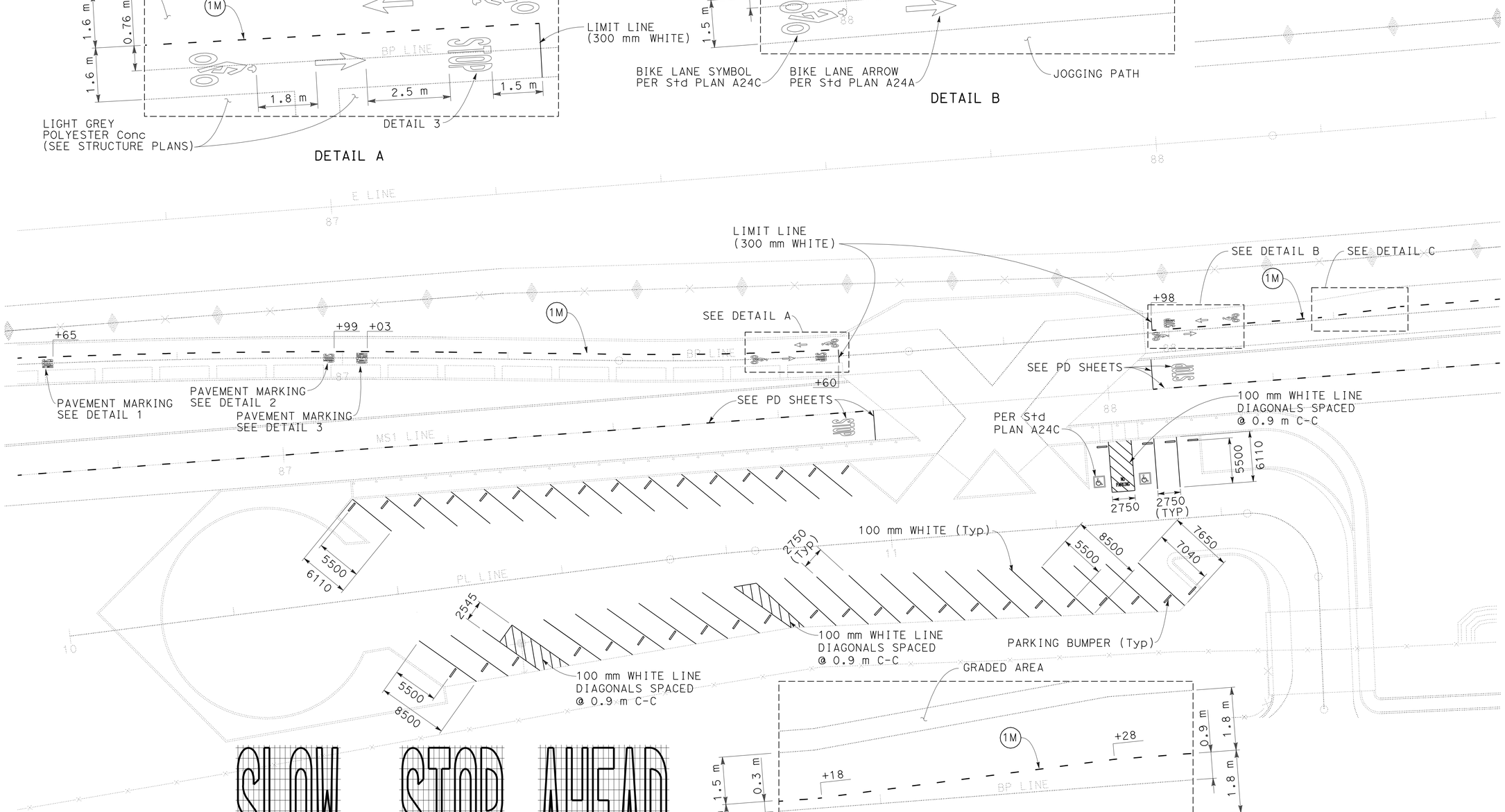
FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.

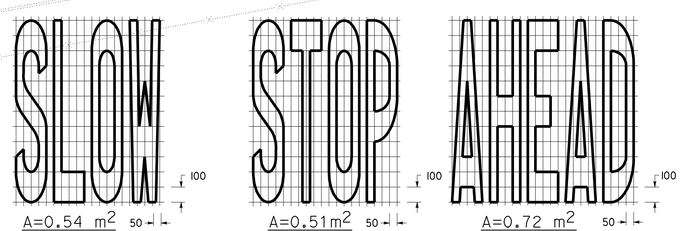


DETAIL A

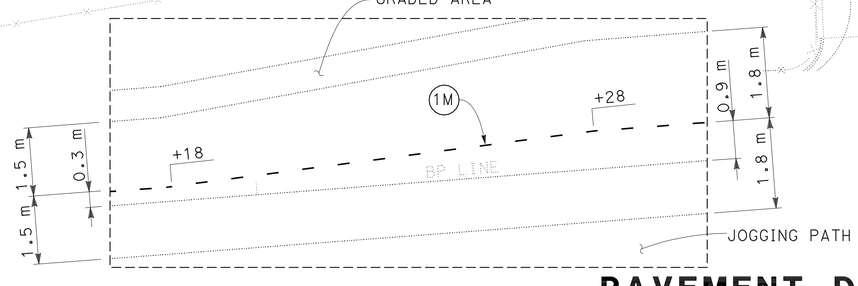


DETAIL B





DETAIL 1 DETAIL 2 DETAIL 3



DETAIL C

PAVEMENT DELINEATION DETAILS

NO SCALE

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

PDD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TOLL BRIDGE

FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ
CALCULATED-DESIGNED BY: SHI F. LAM
CHECKED BY: EMILY TANG
REVISED BY / DATE REVISED

LAST REVISION 07-28-11 | DATE PLOTTED => 06-OCT-2011 | TIME PLOTTED => 06:29

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	143	744

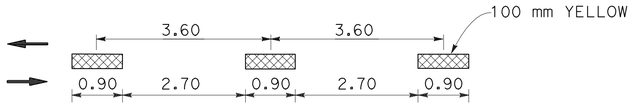
REGISTERED CIVIL ENGINEER 6-1-11 DATE

10-3-11
PLANS APPROVAL DATE

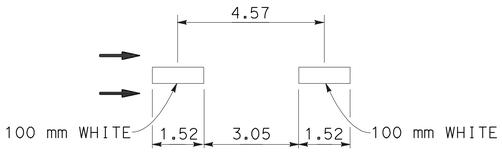
REGISTERED PROFESSIONAL ENGINEER Shi F. Lam No. 50970 Exp. 9-30-11 CIVIL STATE OF CALIFORNIA

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.

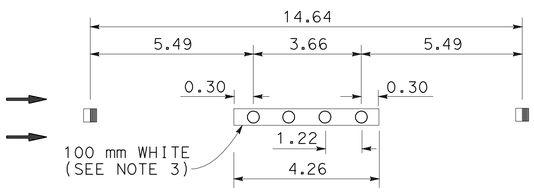
Caltrans Metric



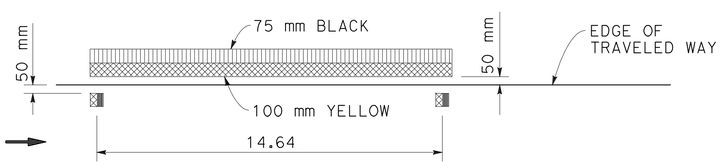
DETAIL 1M



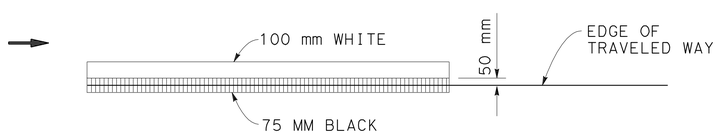
DETAIL 11M



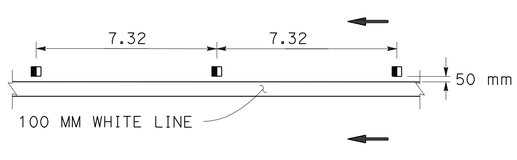
DETAIL 13M



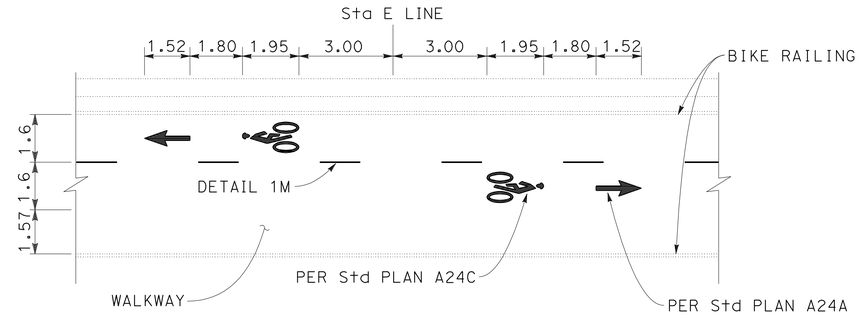
DETAIL 25M



DETAIL 27BM



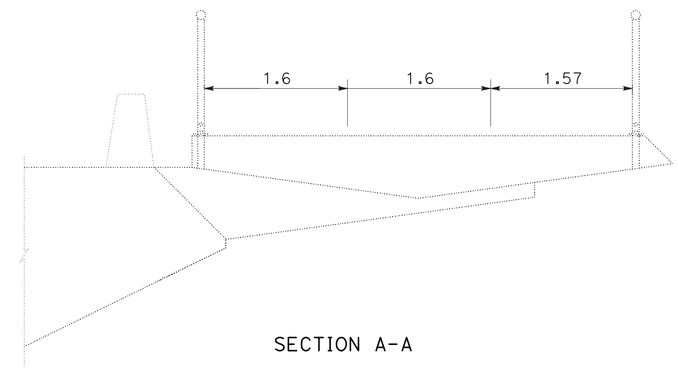
DETAIL 38M



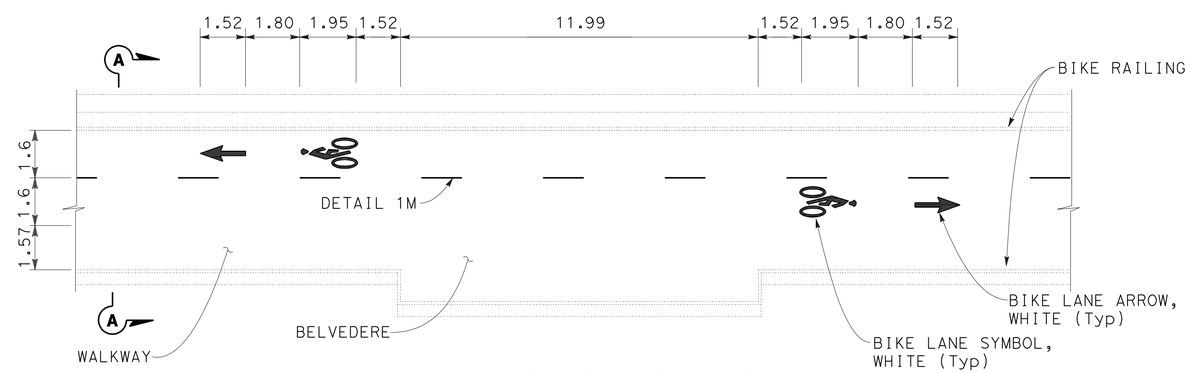
TYPICAL BIKE PATH DETAIL
(SEE TABLE A FOR LOCATION)

TABLE A

LOCATION
E 63+07
E 66+18
E 69+36
E 72+55
E 75+75
E 79+05
E 80+75
E 82+45
E 84+15
E 85+85



SECTION A-A



BELVEDERE BIKE PATH DETAIL

NOTES:

1. DETAILS 1M, 11M, 13M, 25M, 27BM AND 38M ARE MODIFIED PAVEMENT DELINEATION NUMBERS 1, 11, 13, 25, 27B AND 38.
2. FOR DETAILS NOT SHOWN, SEE Std PLAN A20A, A20B AND A20D.
3. INSTALL 100 mm WHITE AFTER INSTALLING PAVEMENT MARKERS.

ALL DIMENSIONS ARE IN METERS
UNLESS OTHERWISE SHOWN

PAVEMENT DELINEATION DETAILS

NO SCALE

PDD-2

REVISED BY	DATE REVISED

SHI F. LAM — CALCULATED-DESIGNED BY
EMILY TANG — CHECKED BY
JAIME E. GUTIERREZ — FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans **TOLL BRIDGE**

LAST REVISION 04-29-11 | DATE PLOTTED => 06-OCT-2011 | TIME PLOTTED => 06:30

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	144	744

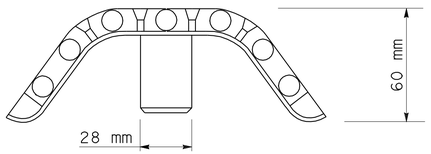
REGISTERED CIVIL ENGINEER 6-2-11 DATE

10-3-11
PLANS APPROVAL DATE

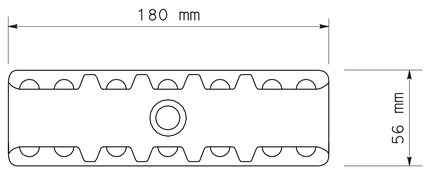
REGISTERED PROFESSIONAL ENGINEER Gabriel Tcruz No. 68108 Exp. 6-30-11 CIVIL STATE OF CALIFORNIA

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.

Caltrans Metric

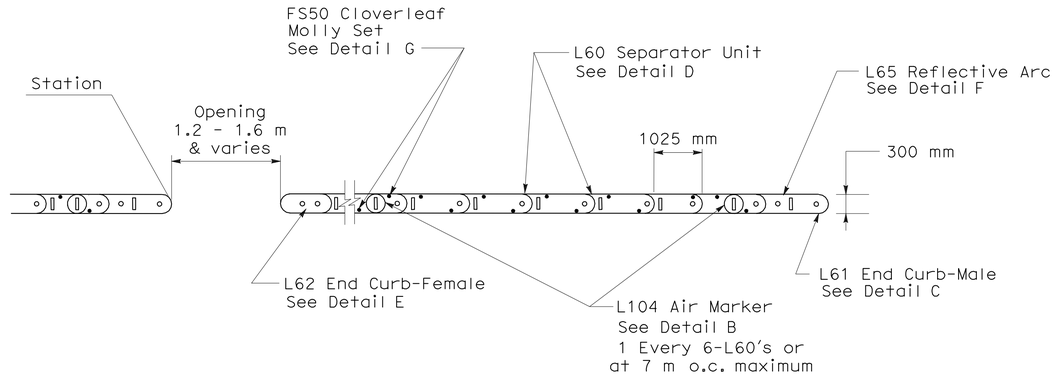


ELEVATION

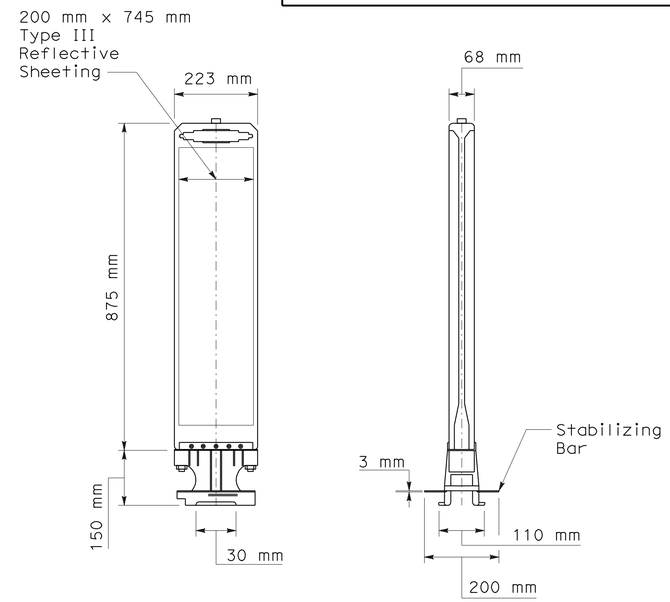


PLAN

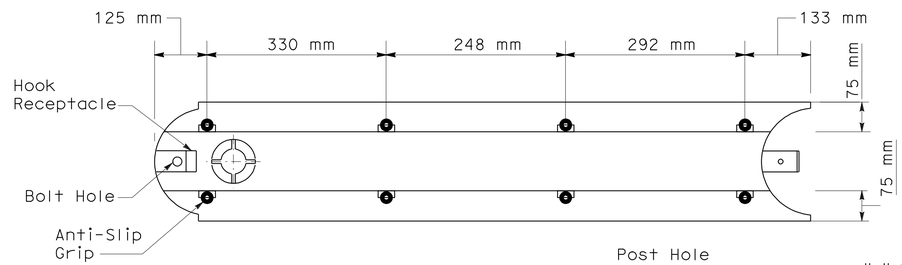
DETAIL F - L65 REFLECTIVE ARC

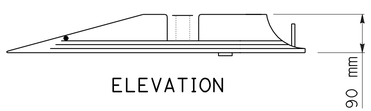


DETAIL A
TYPICAL INSTALLATION OF QWICK KURB CHANNELIZERS

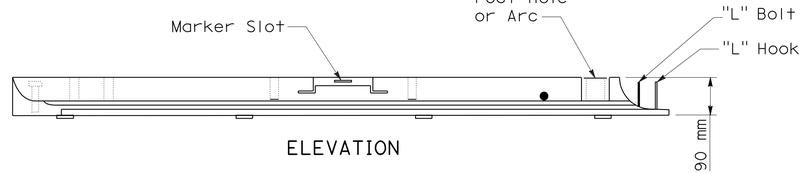


DETAIL B - QWICK KURB CHANNELIZER
L 104 AIR MARKER

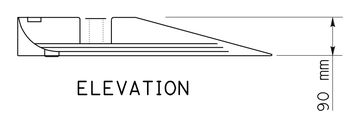




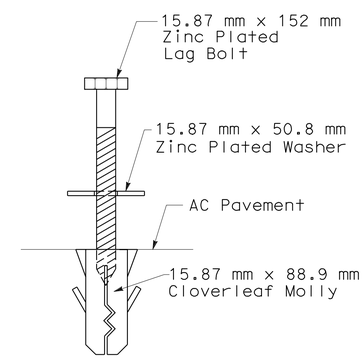
ELEVATION



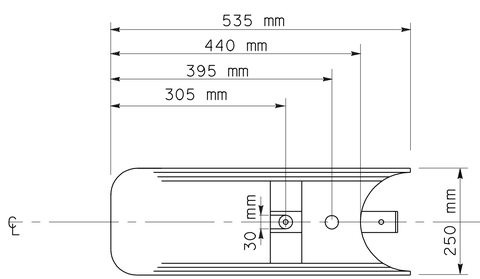
ELEVATION



ELEVATION

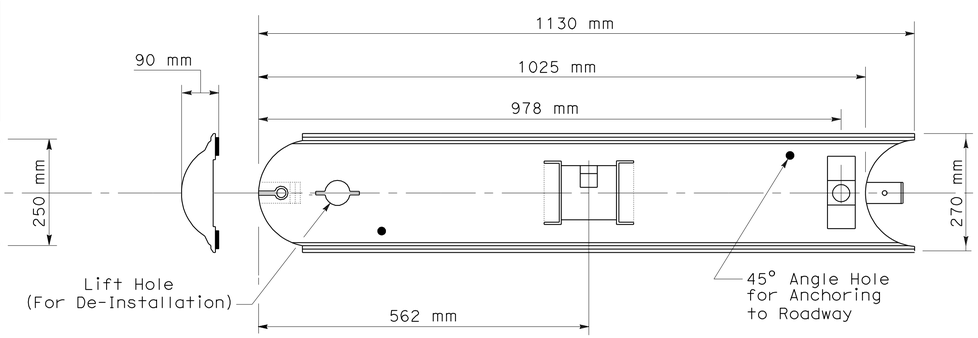


DETAIL G - FS50 CLOVERLEAF MOLLY SET



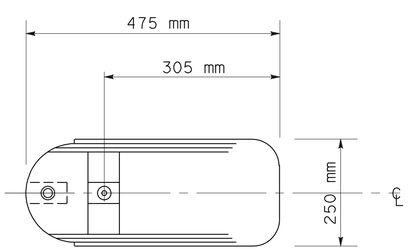
PLAN

DETAIL C - L61 END CURB-MALE



PLAN

DETAIL D - L60 SEPARATOR UNIT



PLAN

DETAIL E - L62 END CURB-FEMALE

PAVEMENT DELINEATION DETAILS
SALVAGE QWICK KURB CHANNELIZER SYSTEM

NO SCALE

ALL DIMENSIONS ARE IN METERS
UNLESS OTHERWISE SHOWN

PDD-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans **TOLL BRIDGE**

FUNCTIONAL SUPERVISOR JAIME E. GUTIERREZ
CALCULATED-DESIGNED BY GABRIEL TCRUZ
CHECKED BY RAFAEL RAVELO
REVISED BY
DATE REVISED

LAST REVISION 06-02-11
DATE PLOTTED => 06-OCT-2011
TIME PLOTTED => 08:30

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	145	744

Rodrigo Puente 6-2-11
REGISTERED CIVIL ENGINEER DATE

10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Rodrigo Puente No. 58612 Exp. 12-31-12 CIVIL STATE OF CALIFORNIA

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

Caltrans Metric

PAVEMENT DELINEATION QUANTITIES

STATION LIMITS OR LOCATION	DETAIL NO. OR PERMANENT MARKING	THERMOPLASTIC TRAFFIC STRIPE							THERMOPLASTIC PAVEMENT MARKING			TRAFFIC STRIPE (PAINT) (2-COAT)			PAINT PAVEMENT MARKING	PAVEMENT MARKER				OBJECT MARKER RETRO-REFLECTIVE	PARKING BUMPER (PRECAST CONCRETE)	CHANNELIZERS (SURFACE MOUNTED)	DELINEATORS (CLASS I TYPE F)
		100mm		75 mm	100 mm White	100 mm White	100 mm White	200 mm White				100 mm		100 mm WHITE	(2-COAT)	NON-REFLECTIVE	RETROREFLECTIVE						
		YELLOW	WHITE	BLACK	(BROKEN 10.98-3.66)	(BROKEN 5.18-2.14)	(BROKEN 3.05-1.52)	WHITE	YELLOW	WHITE	BLUE	YELLOW	WHITE	(BROKEN 10.98-3.66)	WHITE	TYPE A	TYPE D	TYPE G	TYPE H	TYPE K-1			
		M							M^2			M			M^2	EA				EA	EA		
W 62+12 TO 86+51	27BM		2444	2444																			
W 86+51 TO 95+00	27B		847																				
W 62+12 TO 91+12	13M				11602											3168		796					
W 93+17 TO 96+11	9					1487												116					
W 91+12 TO 96+11	38M		2031															282					
W 62+12 TO 86+51	25M	2436		2436															167				
W 86+51 TO 95+60	25	910																	63				
W 95+60 TO 96+10	25	49																	4				
W 89+08 TO 93+40	WHITE DIAGONAL									126.00													
W 95+70 TO 96+11	200 mm WHITE							82															
W 95+95 TO 96+10	CHEVRON									4.33													
MN 85+00 TO 95+62	27B		1067																				
MN 85+00 TO 86+42	22	284															40						
MN 86+42 TO 87+49	25	216																	16				
MN 87+69 TO 89+80	25	425																	30				
MN 90+00 TO 92+30	25	464																	33				
MN 92+50 TO 95+62	25	626																	44				
MN 85+00 TO 92+53	27B		746																				
MN 93+31	YIELD									2.23													
MN 93+35	YIELD LINE									1.08													
MN 93+35 TO 95+56	ARROWS									11.50													
MN 94+70 TO 95+34	RUMBLE STRIPS															128							
MN 87+49 TO 95+62	OBJECT MARKER																			7			
E 62+02 TO 86+20	25M	2423		2423															167				
E 86+20 TO 91+64.4	25	544																	38				
E 91+64.4 TO 92+27	27B		63																				
E 92+27 TO 93+11	36B		84					84										12					
E 91+64.4 TO 92+27	11M						63																
E 62+02 TO 94+00	13M				12796											3500		879					
E 87+97 TO 94+00	13M				605											164		42					
E 62+02 TO 86+20	27BM		2414	2414																			
E 86+20 TO 94+00	27B		782																				
E 92+27 TO 95+36	27B		310																				
E 92+27 TO 94+00	25	173																	13				
E 62+02 TO 86+19	1M											2411											
R† E 62+02 TO 87+56	BIKE LANE SYMBOLS ARROWS														43.85								
E 92+27 TO 92+80	CHEVRON									7.20													
E 92+27 TO 92+80	CHANNELIZERS																					8	
MS1 85+00 TO 87+69	27B		262																				
MS1 88+04 TO 93+62	27B		558																				
MS1 85+00 TO 86+22	22	244															34						
R† MS1 85+23.28 TO L† MN 85+43.34	DELINEATORS																						15
R† MS2 11+80.75 TO 12+07.80	DELINEATORS																						7
MS1 86+48 TO 87+71.50	22	248															35						
SHEET TOTAL OF PDQ-1		9042	11608	9717	25003	1487	63	166	0	152.34	0	2411			43.85	6960	109	2127	575	7		8	22

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TOLL BRIDGE

FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ
CALCULATED-DESIGNED BY: RODRIGO PUENTE
CHECKED BY: GABRIEL TCRUZ
REVISED BY / DATE REVISED

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	146	744

Rodrigo Puente 6-2-11
REGISTERED CIVIL ENGINEER DATE

10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Rodrigo Puente No. 58612 Exp. 12-31-12 CIVIL STATE OF CALIFORNIA

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

Caltrans Metric

PAVEMENT DELINEATION QUANTITIES

STATION LIMITS OR LOCATION	DETAIL NO. OR PERMANENT MARKING	THERMOPLASTIC TRAFFIC STRIPE							THERMOPLASTIC PAVEMENT MARKING			TRAFFIC STRIPE (PAINT) (2-COAT)			PAINT PAVEMENT MARKING	PAVEMENT MARKER				OBJECT MARKER RETRO-REFLECTIVE	PARKING BUMPER (PRECAST CONCRETE)	CHANNELIZERS (SURFACE MOUNTED)	DELINEATORS (CLASS I TYPE F)
		100mm		75 mm	100 mm White	100 mm White	100 mm White	200 mm White				100 mm		100 mm WHITE	(2-COAT)	NON-REFLECTIVE	RETROREFLECTIVE						
		YELLOW	WHITE	BLACK	(BROKEN 10.98-3.66)	(BROKEN 5.18-2.14)	(BROKEN 3.05-1.52)	WHITE	YELLOW	WHITE	BLUE	YELLOW	WHITE	(BROKEN 10.98-3.66)	WHITE	TYPE A	TYPE D	TYPE G	TYPE H	TYPE K-1			
		M							M^2			M			M^2	EA				EA	EA		
MS1 88+05.20 TO 93+62	22	1114															153						
MS1 85+00 TO 86+28	27B		138																				
MS2 11+39 TO 12+00	27B		54																				
MS2 11+39 TO 12+10	27B		79																				
MS2 11+39 TO 11+81	22	82															12						
MS2 11+81 TO 12+11	29		130														10						
MS1 86+46 TO 87+76.50	27B		132																				
MS1 87+95 TO 93+62	27B		568																				
MS2 11+81 TO 12+11	YELLOW DIAGONAL								6.00														
MS2 12+10	300 mm WHITE									1.80													
MS2 12+06	STOP									2.04													
MS2 11+99	ARROW									6.78													
MS1 87+71.50 TO 88+05	300 mm WHITE									2.16													
MS1 87+68 TO 88+09	STOP									4.08													
PL 11+45 TO 15+89	27B		412																				
PL 11+84 TO 12+40	11M						34																
PL 12+03 TO 12+23	BUS ONLY									3.90													
PL 11+86 TO 15+89	22	806															111						
PL 11+18 TO 15+89	27B		515																				
PL 11+26 TO 11+47	25	56																	5				
PL 11+43 TO 11+70	22	54															8						
PL 11+66 TO 11+89	STOP									6.12													
PL 11+70 TO 11+86	300 mm WHITE									3.90													
PL 11+70 TO 11+97	WHITE DIAGONAL									10.95													
PL 11+40 TO 11+96	ARROWS									5.02													
PL 11+26 TO 11+47	YELLOW DIAGONAL								17.40														
PL 10+36 TO 11+35	27B		375																				
PL 10+36 TO 11+35	DISABLED SYMBOLS									0.21	2.64												
PL 10+36 TO 11+35	300 mm WHITE									2.40													
PL 10+36 TO 11+35	PARKING BUMPERS																				43		
BP 86+19 TO 87+60	1M											141											
BP 87+96 TO 94+20	1M											623											
SHEET TOTAL OF PDQ-2		2112	2403				34		23.40	49.36	2.64	764					294		5		43		
SHEET TOTAL OF PDQ-1		9042	11608	9717	25003	1487	63	166		152.34	0	2411			43.85	6960	109	2127	575	7		8	22
SUBTOTAL		11154	14011	9717	25003	1487	97	166	23.40	201.70	2.64	3175			43.85	6960	403	2127	580	7	43	8	22
TOTAL		25165		9717	25003	1487	97	166		227.74			3175		43.85	6960		3110		7	43	8	22

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TOLL BRIDGE

FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ
CALCULATED-DESIGNED BY: RODRIGO PUENTE
CHECKED BY: GABRIEL TCRUZ
REVISED BY
DATE REVISED

LAST REVISION 08-03-11
DATE PLOTTED => 06-OCT-2011
TIME PLOTTED => 06:50

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	147	744

Rodrigo Puente 6-2-11
REGISTERED CIVIL ENGINEER DATE

10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Rodrigo Puente No. 58612 Exp. 12-31-12 CIVIL STATE OF CALIFORNIA

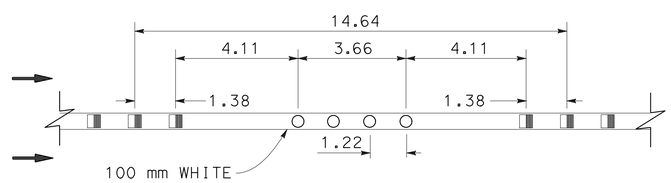
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

Caltrans Metric

REMOVE TRAFFIC STRIPE AND PAVEMENT MARKER

STATION LIMITS OR LOCATION	DETAIL No. OR PAVEMENT MARKING	REMOVE THERMOPLASTIC TRAFFIC STRIPE			REMOVE THERMOPLASTIC PAVEMENT MARKING	REMOVE PAVEMENT MARKER [N]		
		100 mm	100 mm WHITE			NON-REFLECTIVE	RETRO-REFLECTIVE	
		YELLOW (HAZARDOUS WASTE)	SOLID	(BROKEN) (10.98-3.66)		TYPE A	TYPE G	TYPE H
		M			M2	EA		
W 94+10 TO 96+12	27B		209					
W 94+10 TO 96+12	13MS		1469			404	311	
W 94+10 TO 96+12	13M			192		180	54	
W 95+73 TO 96+12	20 mm WHITE		158					
W 95+73 TO 96+12	CHEVRON				3.9			
W 94+10 TO 95+57	25	149						11
	SUBTOTAL	149	1836	192	3.9	584	365	11
SUBTOTAL FROM PAVEMENT DELINEATION		149	2028		3.9	960		
SUBTOTAL FROM STAGE CONSTRUCTION						952		
	TOTAL	149	2028		3.9	1912		

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



DETAIL 13MS
NO SCALE

PAVEMENT DELINEATION QUANTITIES

PDQ-3

REVISED BY | DATE REVISED
RODRIGO PUENTE | GABRIEL TORRUZ
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR
JAIME E. GUTIERREZ

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TOLL BRIDGE

LAST REVISION 06-01-11 | DATE PLOTTED => 06-OCT-2011 | TIME PLOTTED => 06:30

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	148	744

REGISTERED CIVIL ENGINEER 5-31-11 DATE

10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Jerilyn L. Struven No. 49964 Exp. 12-31-12 CIVIL STATE OF CALIFORNIA

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

Caltrans Metric

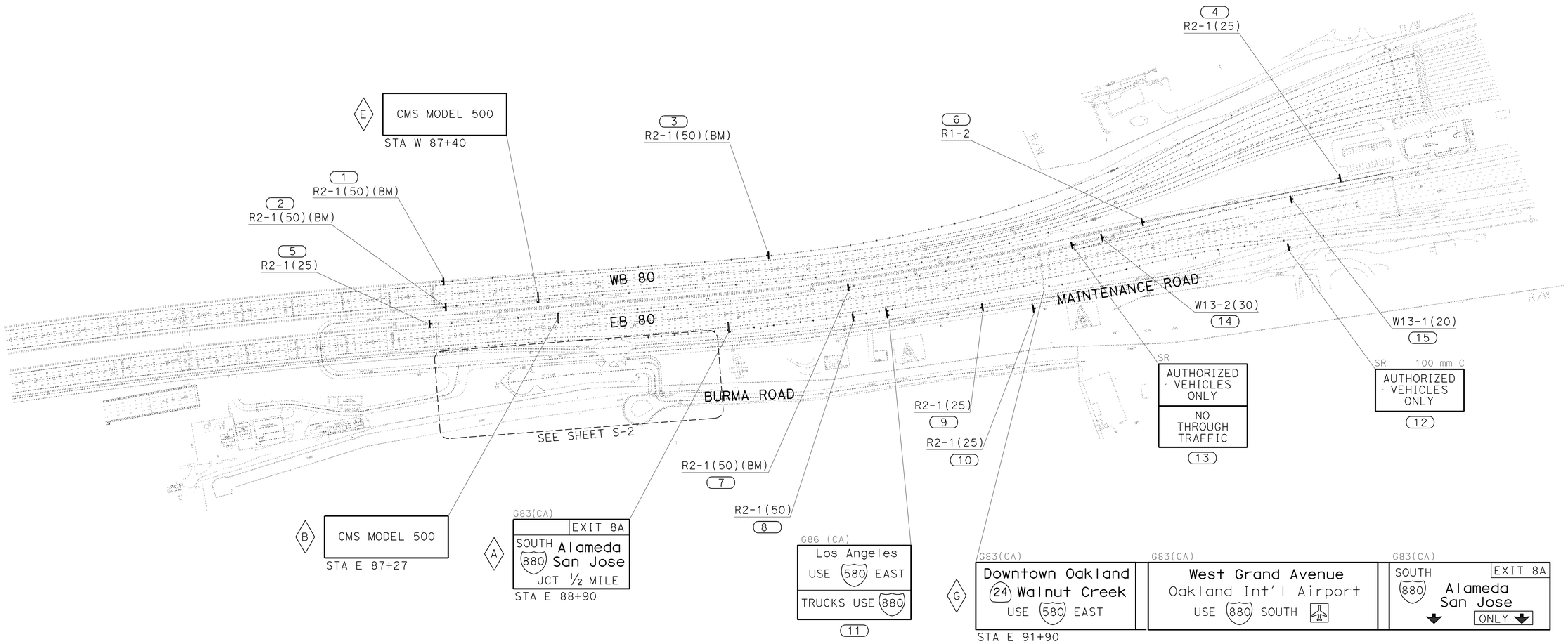
FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.

LEGEND:

- (A) OVERHEAD SIGN (WITH LETTER)
- (1) ROADSIDE SIGN (WITH NUMBER)
- ✱ ROADSIDE SIGN TO REMAIN
- ■ REMOVE ROADSIDE SIGN
- ▲ RELOCATE ROADSIDE SIGN
- CMS CHANGEABLE MESSAGE SIGN
- BM BARRIER MOUNTED
- ROADSIDE SIGN SINGLE POST
- ROADSIDE SIGN TWO POST

NOTES:

1. EXACT LOCATION AND POSITION OF ROADSIDE SIGNS TO BE DETERMINED BY THE ENGINEER.
2. ALL OVERHEAD SIGN PANELS ARE FORMED PANELS UNLESS OTHERWISE NOTED.
3. FOR OVERHEAD SIGN STRUCTURE FOUNDATION DETAILS (A) AND (B) SEE STRUCTURE PLANS.
4. FOR EXISTING SIGNS, SEE SHEET S-3.



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

SIGN PLAN

NO SCALE

THIS PLAN ACCURATE FOR SIGN WORK ONLY

S-1

HERMINIO RUIDERA — REVISED BY
JERILYN L. STRUVEN — DATE REVISED
CALCULATED-DESIGNED BY
CHECKED BY
FUNCTIONAL SUPERVISOR
JERILYN L. STRUVEN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans **TRAFFIC**

LAST REVISION 07-20-11 | DATE PLOTTED => 06-OCT-2011 | TIME PLOTTED => 06:30

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	149	744

Caltrans Metric

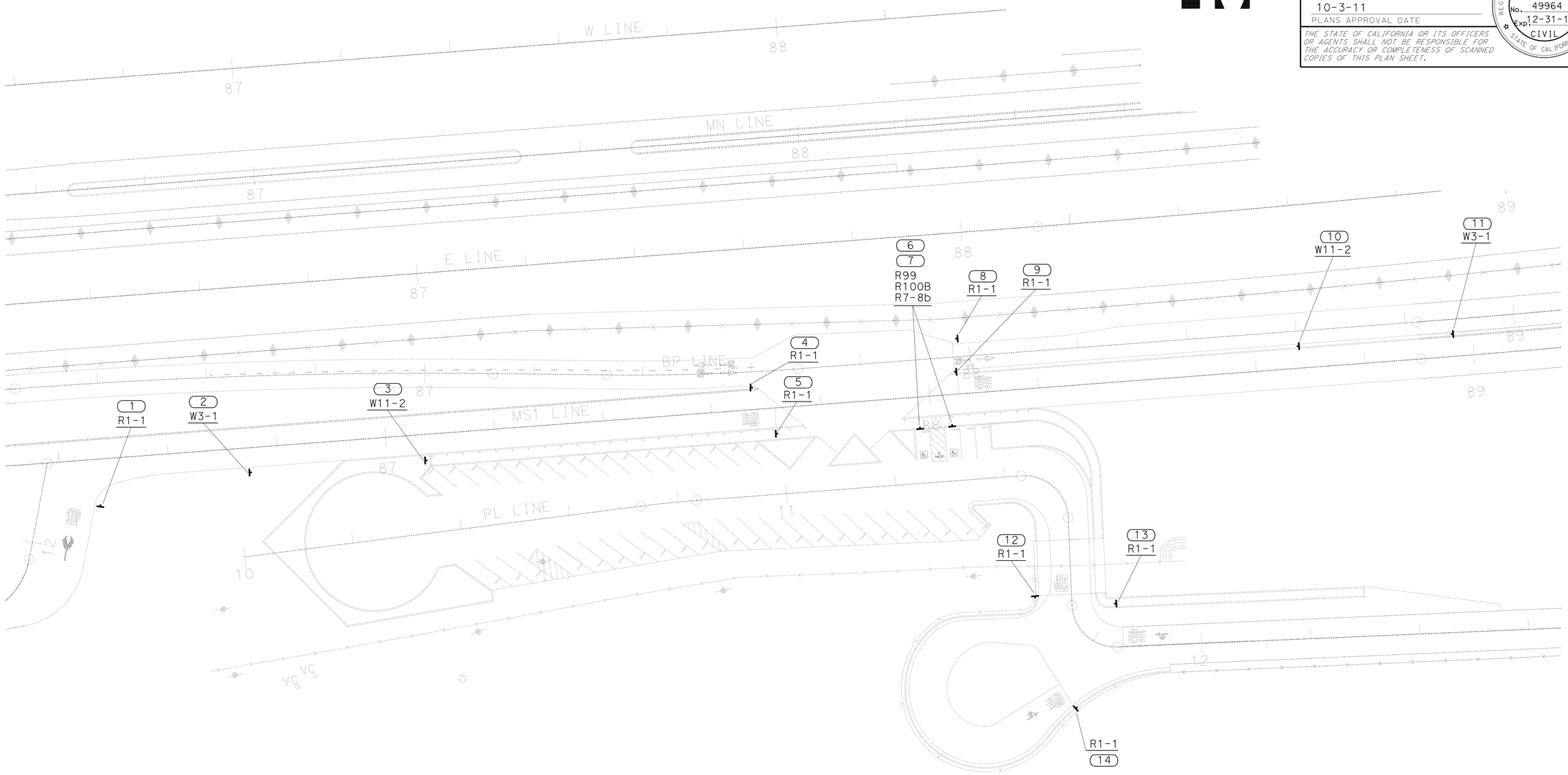
REGISTERED CIVIL ENGINEER 5-31-11 DATE

10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Jerilyn L. Struven No. 49964 Exp. 12-31-12 CIVIL STATE OF CALIFORNIA

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

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



ALL DIMENSIONS ARE IN MILLIMETERS
UNLESS OTHERWISE SHOWN

SIGN PLAN
NO SCALE

S-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC

FUNCTIONAL SUPERVISOR: JERILYN L. STRUVEN
CALCULATED-DESIGNED BY: HERMINIO RUIDERA
CHECKED BY: JERILYN L. STRUVEN
REVISED BY
DATE REVISED

LAST REVISION 05-10-11
DATE PLOTTED => 06-OCT-2011
TIME PLOTTED => 06:30

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	150	744

REGISTERED CIVIL ENGINEER 5-31-11 DATE

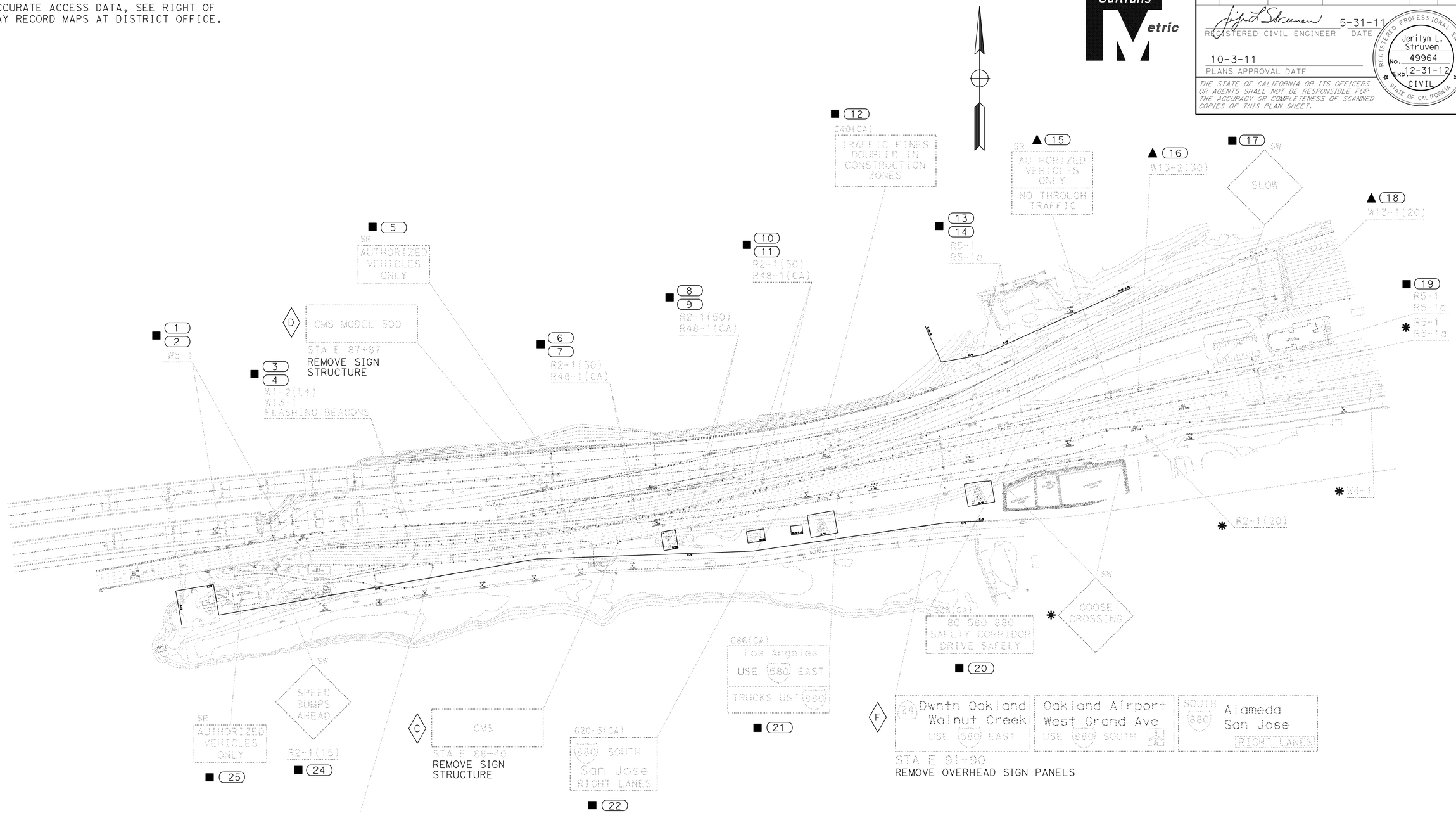
10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Jerilyn L. Struven No. 49964 Exp. 12-31-12 CIVIL STATE OF CALIFORNIA

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

Caltrans Metric

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

SIGN PLAN
(EXISTING SIGNS)
NO SCALE

THIS PLAN ACCURATE FOR SIGN WORK ONLY

S-3

REVISED BY	DATE REVISED

HERMINIO RUIDERA — CALCULATED-DESIGNED BY
JERILYN L. STRUVEN — CHECKED BY
FUNCTIONAL SUPERVISOR: JERILYN L. STRUVEN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC

LAST REVISION 05-25-11
DATE PLOTTED => 06-OCT-2011
TIME PLOTTED => 06:31

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	151	744

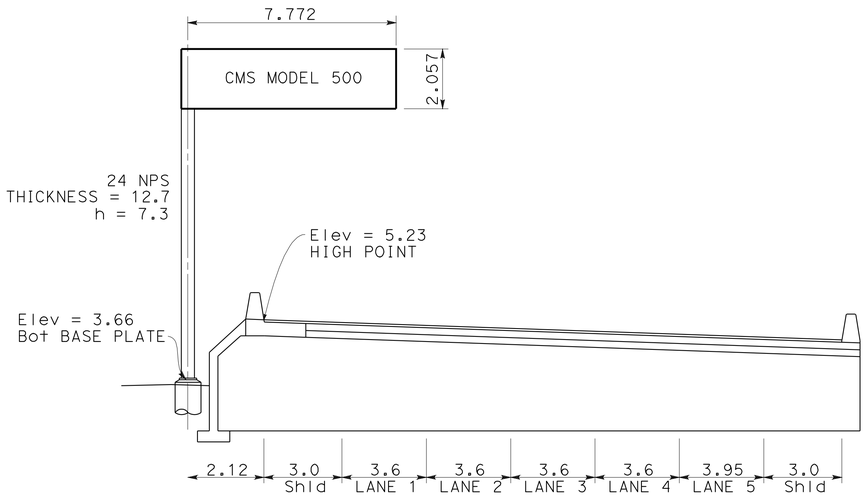
REGISTERED CIVIL ENGINEER 5-31-11 DATE

10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Jerilyn L. Struven No. 49964 Exp. 12-31-12 CIVIL STATE OF CALIFORNIA

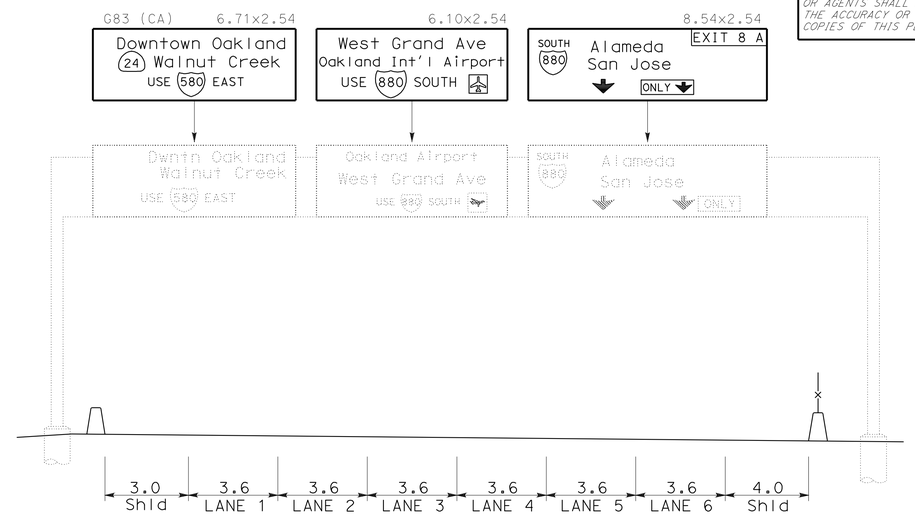
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

Caltrans Metric



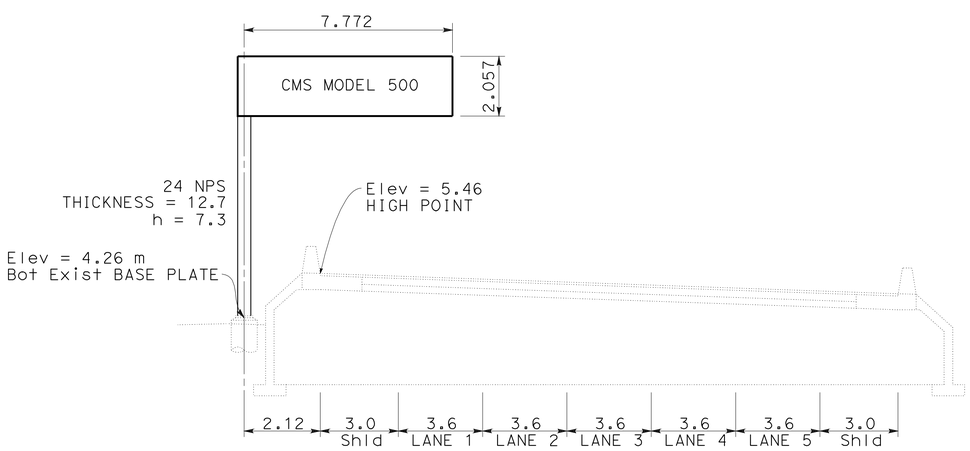
INSTALL SIGN STRUCTURE (TRUSS)

(B) STA E 87+27 FEBT



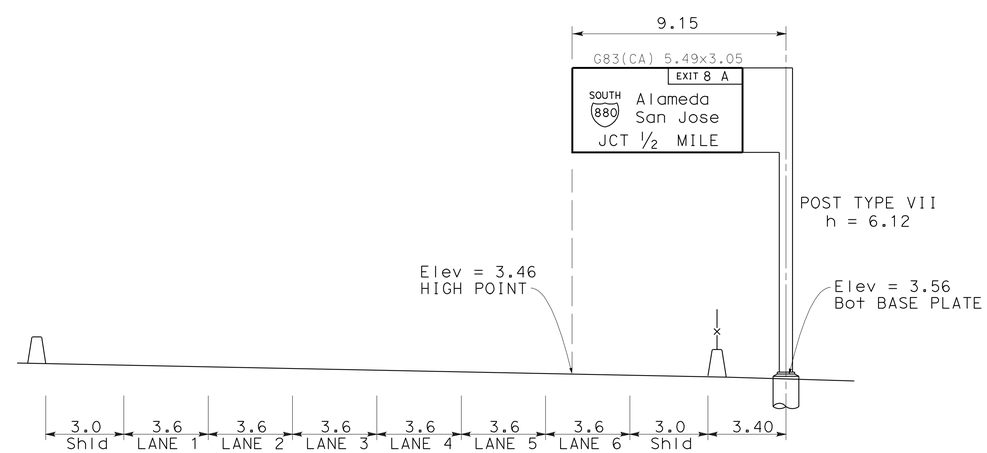
INSTALL SIGN PANELS ON EXISTING FRAME

(G) STA E 91+90 FEBT



INSTALL SIGN STRUCTURE (TRUSS)

(E) STA W 87+40 FWBT



INSTALL SIGN STRUCTURE (TRUSS)

(A) STA E 88+90 FEBT

SIGN DETAILS

NO SCALE

ALL DIMENSIONS ARE IN METERS
UNLESS OTHERWISE SHOWN

SD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans **TRAFFIC**

FUNCTIONAL SUPERVISOR: JERILYN L. STRUVEN
CALCULATED-DESIGNED BY: HERMINIO RUIDERA
CHECKED BY: JERILYN L. STRUVEN
REVISED BY / DATE REVISED

LAST REVISION 07-28-11
DATE PLOTTED => 06-OCT-2011
TIME PLOTTED => 07:51

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	152	744

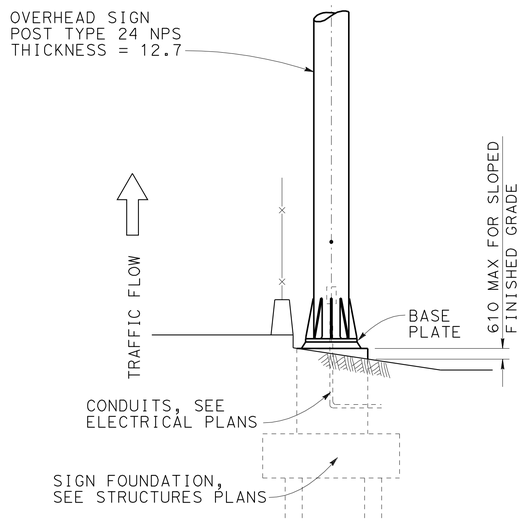
Caltrans Metric

REGISTERED CIVIL ENGINEER 6-2-11 DATE

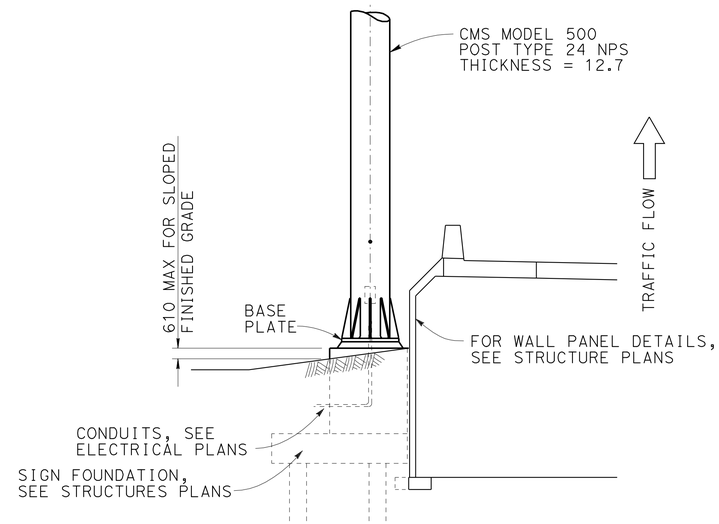
10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Gabriel Tcruz No. 68108 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.



(A) ELEVATION FOR E 88+90



(B) ELEVATION FOR E 87+27

SIGN NO.	STATION	ROUTE	ORIENTATION	ELEVATIONS
				BOTTOM OF BASE ℄
(A)	E 88+90	80	EB	3.560 m
(B)	E 87+27	80	EB	3.660 m

ALL DIMENSIONS ARE IN
MILLIMETERS UNLESS OTHERWISE SHOWN

SIGN FOUNDATION DETAILS

NO SCALE

SD-2

GABRIEL TCRUZ	REVISED BY HN, BH
RAFAEL RAVELO	DATE REVISED 5/20/04
CALCULATED-DESIGNED BY	
CHECKED BY	
FUNCTIONAL SUPERVISOR	
BELINDA HON	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans SPECIAL DESIGNS BRANCH

LAST REVISION 05-27-11 DATE PLOTTED => 06-OCT-2011 TIME PLOTTED => 06:31

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	153	744

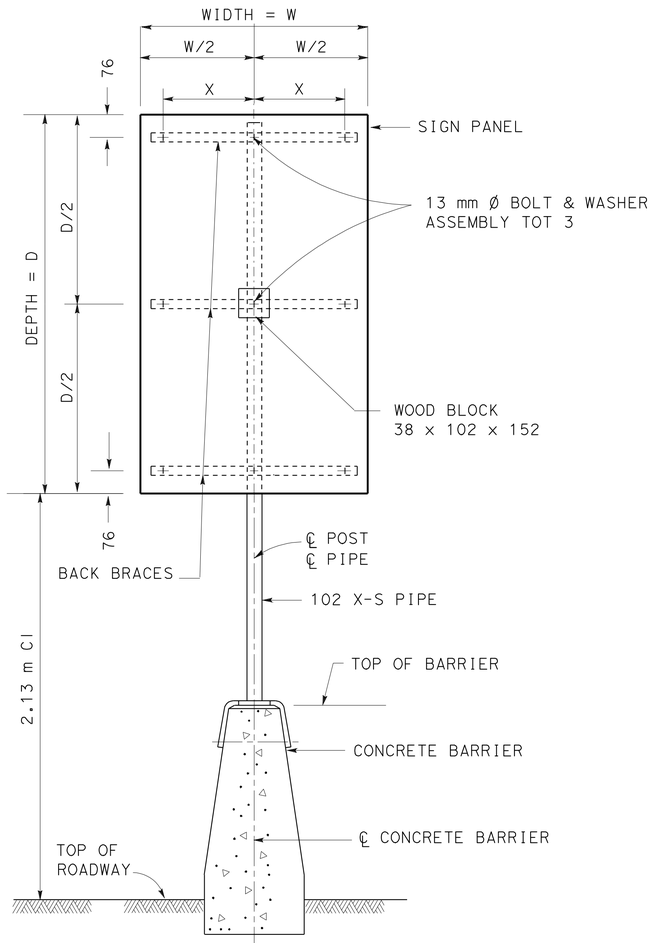
REGISTERED CIVIL ENGINEER 5-31-11 DATE

10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Jerilyn L. Struven No. 49964 Exp. 12-31-12 CIVIL STATE OF CALIFORNIA

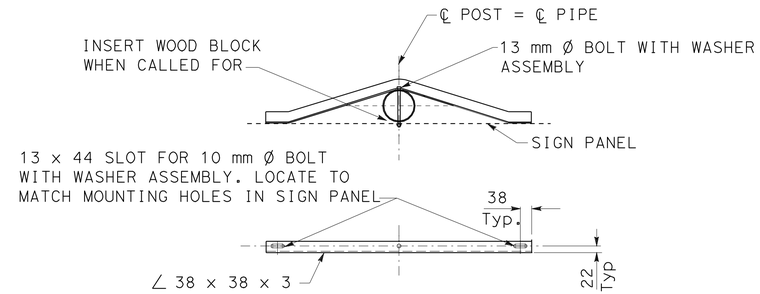
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

Caltrans Metric

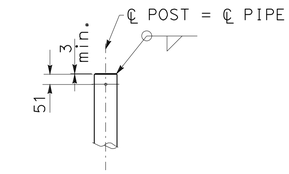


ELEVATION

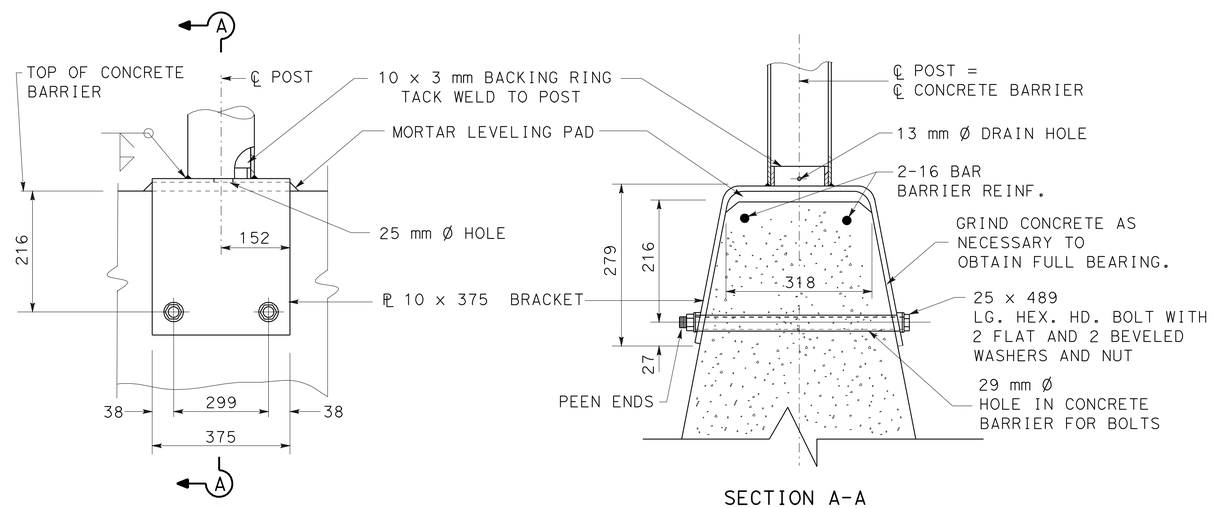
SIGN POST ON CONCRETE BARRIER



BACK BRACE DETAILS



TOP OF POST DETAIL



ELEVATION

MOUNTING BRACKET

SECTION A-A

SIGN TABLE

SIGN NUMBER	DEPTH = D	WIDTH = W	BACK BRACE = X
1	1143	601	250
2	1143	601	250
3	1143	601	250
7	1143	601	250

NOTES:

1. FOR DETAILS NOT SHOWN, SEE STANDARD PLANS.
2. WASHER ASSEMBLY CONSIST OF TWO FLAT WASHERS, NUT, FIBER WASHER AND JAM NUT.
3. ALL STEEL SHALL BE GALVANIZED AFTER FABRICATION.
4. FOR SIGN LOCATIONS, SEE "SIGN PLANS".

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

BARRIER MOUNTED SIGN DETAILS

NO SCALE

SD-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans **TRAFFIC**

FUNCTIONAL SUPERVISOR: JERILYN L. STRUVEN
CALCULATED-DESIGNED BY: HERMINIO RUIDERA
CHECKED BY: JERILYN L. STRUVEN
REVISED BY / DATE REVISED

LAST REVISION 05-27-11 | DATE PLOTTED => 06-OCT-2011 | TIME PLOTTED => 06:31

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	154	744

REGISTERED CIVIL ENGINEER 5-31-11 DATE

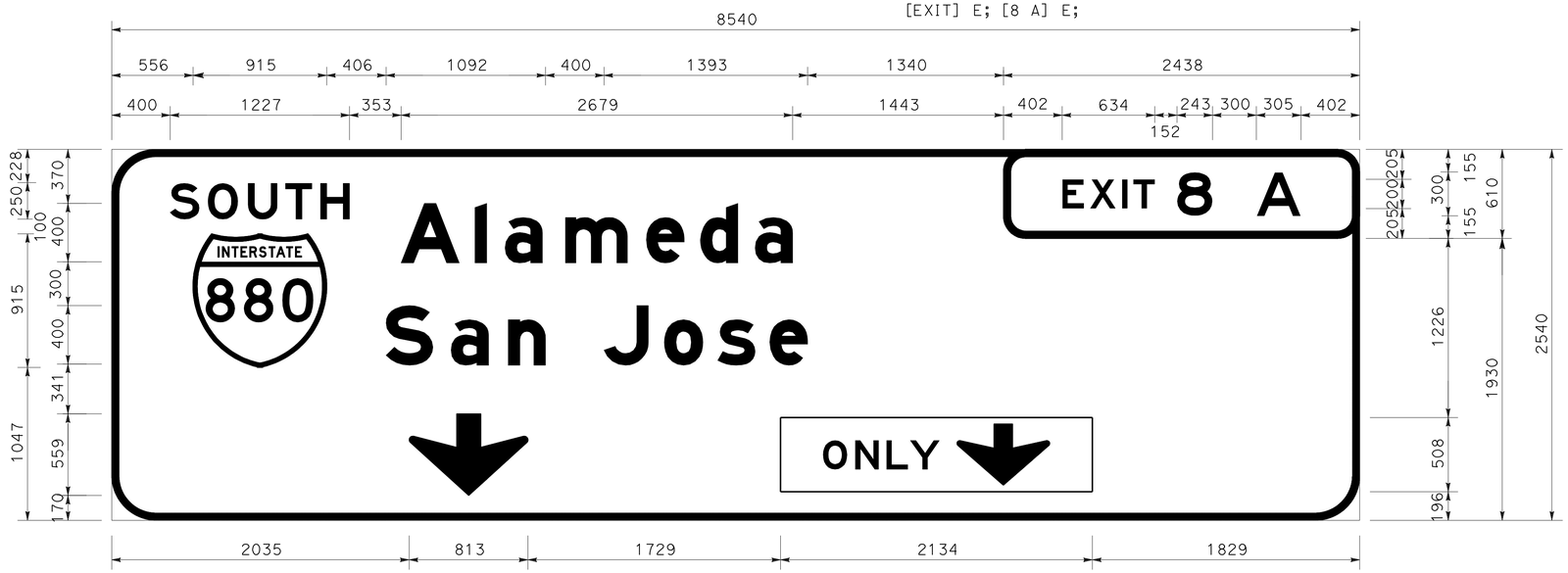
10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Jerilyn L. Struven No. 49964 Exp. 12-31-12 CIVIL STATE OF CALIFORNIA

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

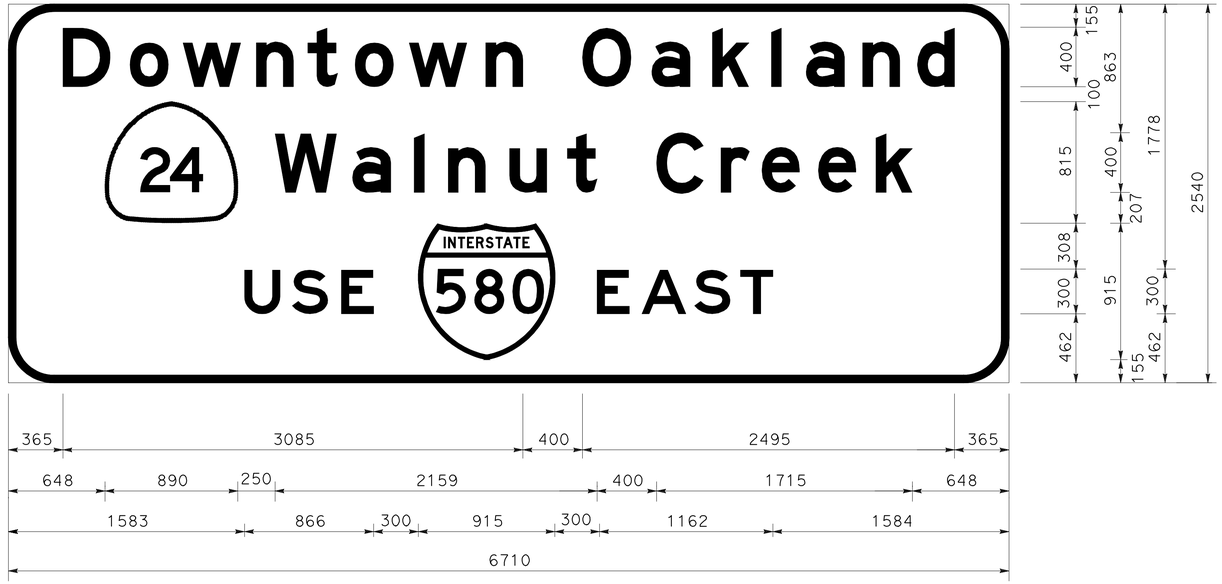
Caltrans Metric

152 mm RADIUS, 50 mm BORDER, WHITE ON GREEN;
[EXIT] E; [8 A] E;



305 mm RADIUS, 50 mm BORDER, WHITE ON GREEN;
[SOUTH] E; [ALAMEDA] E Mod; [SAN JOSE] E Mod;
305 mm RADIUS, 50 mm BORDER, WHITE ON GREEN;
DOWN ARROW 550 mm 270°; W61F [CA];

INSTALL SIGN PANEL ON EXISTING FRAME
(G) STA E 91+90 (FEBT)



305 mm RADIUS, 50 mm BORDER, WHITE ON GREEN;
[DOWNTOWN OAKLAND] E Mod; [WALNUT CREEK] E Mod;
[USE] E; [EAST] E;

INSTALL SIGN PANEL ON EXISTING FRAME
(G) STA E 91+90 (FEBT)

SIGN PANEL DETAILS

NO SCALE

SD-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans **TRAFFIC**

FUNCTIONAL SUPERVISOR: JERILYN L. STRUVEN
CALCULATED-DESIGNED BY: HERMINIO RUIDERA
CHECKED BY: JERILYN L. STRUVEN
REVISED BY / DATE REVISED

LAST REVISION 05-25-11 | DATE PLOTTED => 06-OCT-2011 | TIME PLOTTED => 06:31

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	155	744

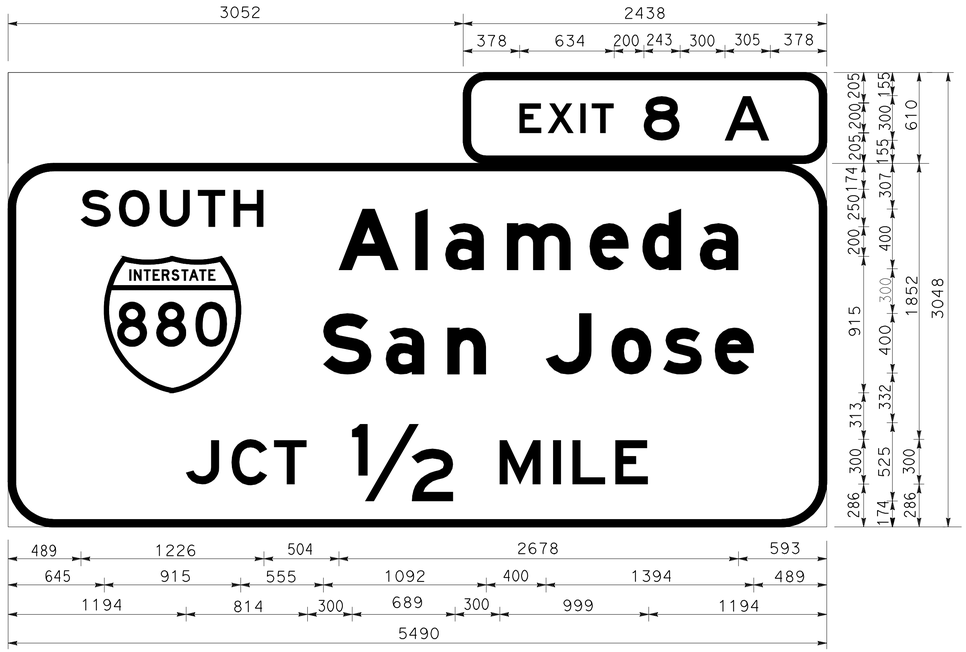
REGISTERED CIVIL ENGINEER 5-31-11 DATE

10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Jerilyn L. Struven No. 49964 Exp. 12-31-12 CIVIL STATE OF CALIFORNIA

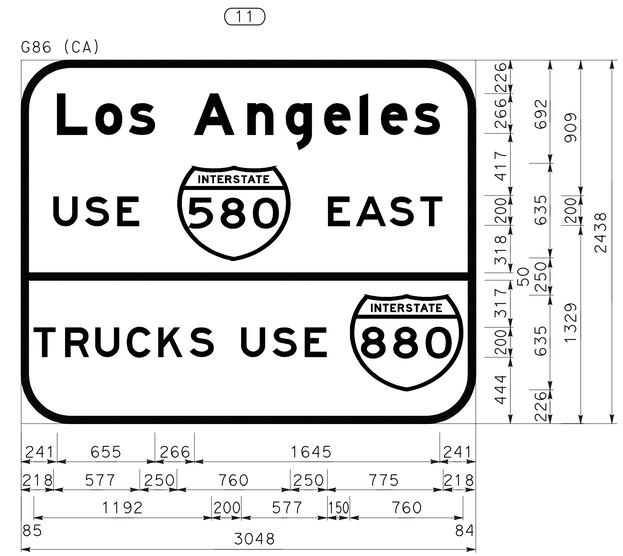
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

Caltrans Metric

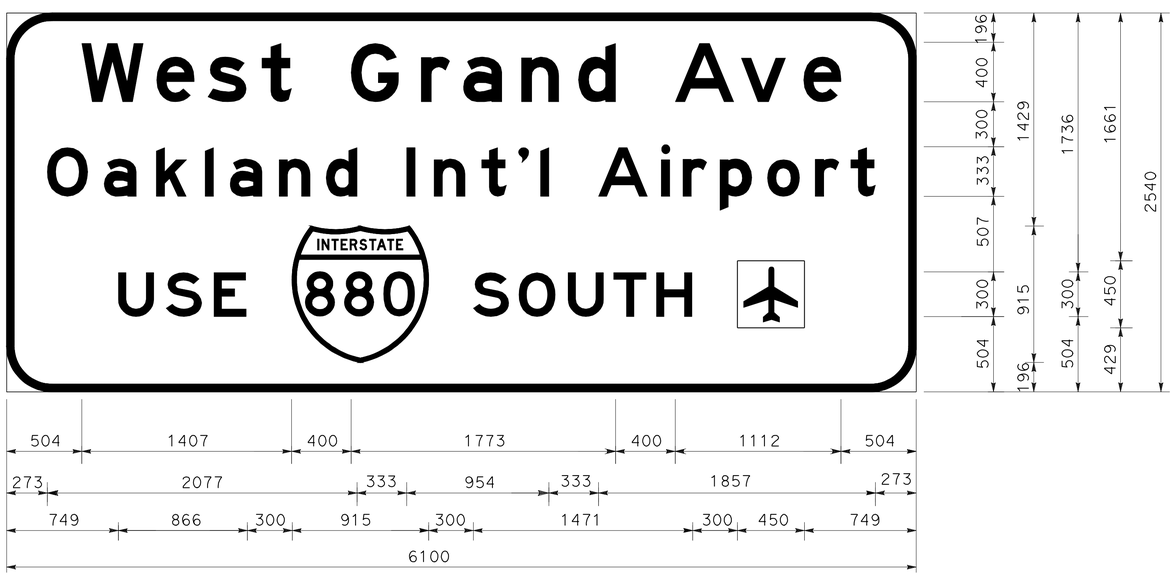


305 mm RADIUS, 50 mm BORDER, WHITE ON GREEN;
[SOUTH] E; [ALAMEDA] E Mod; [SAN JOSE] E Mod;
305 mm RADIUS, 50 mm BORDER, WHITE ON GREEN;
DOWN ARROW 550 mm 270°; W61F [CA];

INSTALL SIGN STRUCTURE (TRUSS)
(A) STA E 88+90 (FEBT)



305 mm RADIUS, 50 mm BORDER, WHITE ON GREEN;
"LOS ANGELES" E Mod; "USE" E; "EAST E; "TRUCKS USE" E;



305 mm RADIUS, 50 mm BORDER, WHITE ON GREEN;
[WEST GRAND Ave] E Mod; [OAKLAND INTERNATIONAL
AIRPORT] E Mod; [USE] E; [SOUTH] E; RECTANGLE GREEN;

INSTALL SIGN PANEL ON EXISTING FRAME
(G) STA E 91+90 (FEBT)

SIGN PANEL DETAILS

NO SCALE

SD-5

HERMINIO RUIDERA	REVISED BY
JERILYN L. STRUVEN	DATE REVISED
CALCULATED-DESIGNED BY	
CHECKED BY	
FUNCTIONAL SUPERVISOR	
JERILYN L. STRUVEN	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC

LAST REVISION 05-25-11 | DATE PLOTTED => 06-OCT-2011 | TIME PLOTTED => 06:32

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	156	744

REGISTERED CIVIL ENGINEER 5-31-11 DATE

10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Jerilyn L. Struven No. 49964 Exp. 12-31-12 CIVIL STATE OF CALIFORNIA

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

Caltrans Metric

OVERHEAD SIGN QUANTITIES

SIGN ◇	FURNISH SIGN STRUCTURE (TRUSS)	INSTALL SIGN STRUCTURE (TRUSS)	REMOVE SIGN STRUCTURE	REMOVE OVERHEAD SIGN PANEL [N]	INSTALL SIGN PANEL ON EXISTING FRAME	REMARKS	LOCATION
	kg		EA		m^2		
A	7820	7820					E 88+90
B	6536	6536					E 87+27
C			1			SALVAGE CMS AND POST	E 88+40
D			1			SALVAGE CMS AND POST	E 87+87
E	6536	6536				ON Exist FOUNDATION FOR OH SIGN	W 87+40
F				3			E 91+90
G					54		E 91+90
TOTAL	20892	20892	2	3	54		

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

HERMINIO RUIDERA — REVISED BY
JERILYN L. STRUVEN — DATE REVISED

CALCULATED-DESIGNED BY
CHECKED BY

FUNCTIONAL SUPERVISOR
JERILYN L. STRUVEN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC

SIGN QUANTITIES

SQ-1

LAST REVISION 05-25-11 | DATE PLOTTED => 06-OCT-2011 | TIME PLOTTED => 06:32

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	157	744

REGISTERED CIVIL ENGINEER 5-31-11 DATE

10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Jerilyn L. Struven No. 49964 Exp. 12-31-12 CIVIL STATE OF CALIFORNIA

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

Caltrans Metric

ROADSIDE SIGN QUANTITIES

SHEET No.	SIGN	CODE	PANEL SIZE (mm)	POST SIZE & LENGTH 89mm x 89mm	89mm x 140mm	140mm x 184mm	ROADSIDE SIGN ONE POST	ROADSIDE SIGN TWO POST	RELOCATE ROADSIDE SIGN ONE POST	RELOCATE ROADSIDE SIGN TWO POST	REMOVE ROADSIDE SIGN	METAL(BARRIER MOUNTED SIGN)	REMARKS
							EA					Kg	
S-1	1	R2-1(50)	914 x 1143									60	
	2	R2-1(50)	914 x 1143									60	
	3	R2-1(50)	914 x 1143									60	
	4	R2-1(25)	914 x 1143		4.65 m		1						
	5	R2-1(25)	914 x 1143		4.65 m		1						
	6	R1-2	914	4.00 m									
	7	R2-1(50)	914 x 1143		4.65 m		1					60	
	8	R2-1(50)	914 x 1143		4.65 m		1						
	9	R2-1(25)	914 x 1143		4.65 m		1						
	10	R2-1(25)	914 x 1143		4.65 m		1						
	11	G86(CA)	3048 x 2438			6.40 m		1					
	12	SR	762 X 762	3.96 m			1						
	13	SR											EXISTING SIGN - SEE 15 ON S-3
	14	W13-2(30)											EXISTING SIGN - SEE 16 ON S-3
	15	W13-1(20)											EXISTING SIGN - SEE 18 ON S-3
S-2	1	R1-1	762	3.96 m			1						
	2	W3-1	750 x 750		3.96 m		1						
	3	W11-2	750 x 750	4.30 m			1						
	4	R1-1	457	3.66 m			1						
	5	R1-1	762	3.96 m			1						
	6	R99	305 x 457	4.11 m			1						
		R100B	457 x 610										
		R7-8b	305 x 152										
	7	R99	305 x 457	4.11 m			1						
		R100B	457 x 610										
		R7-8b	305 x 152										
	8	R1-1	457	3.66 m			1						
	9	R1-1	762	3.96 m			1						
	10	W11-2	750 x 750	4.30 m			1						
	11	W3-1	750 x 750		3.96 m		1						
	12	R1-1	762	3.96 m			1						
	13	R1-1	762	3.96 m			1						
	14	R1-1	762	3.96 m			1						
S-3	1	W5-1									1		
	2	W5-1									1		
	3	W1-2(L+)									1		FLASHING BEACON
		W13-1									1		
	4	W1-2(L+)									1		FLASHING BEACON
		W13-1									1		
	5	SR									1		
	6	R2-1(50)									1		
		R48-1(CA)									1		
	7	R2-1(50)									1		
		R48-1(CA)									1		
	8	R2-1(50)									1		
		R48-1(CA)									1		
	9	R2-1(50)									1		
		R48-1(CA)									1		

SIGN QUANTITIES

SQ-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC

FUNCTIONAL SUPERVISOR: JERILYN L. STRUVEN
CALCULATED-DESIGNED BY: HERMINIO RUIDERA
CHECKED BY: JERILYN L. STRUVEN
REVISED BY / DATE REVISED

LAST REVISION 07-20-11 | DATE PLOTTED => 06-OCT-2011 | TIME PLOTTED => 06:33

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	158	744

Caltrans Metric

REGISTERED CIVIL ENGINEER 5-31-11 DATE

10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Jerilyn L. Struven No. 49964 Exp. 12-31-12 CIVIL STATE OF CALIFORNIA

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

ROADSIDE SIGN QUANTITIES

SHEET No.	SIGN	CODE	PANEL SIZE (mm)	POST SIZE & LENGTH 89mm x 89mm	89mm x 140mm	140mm x 184mm	ROADSIDE SIGN ONE POST	ROADSIDE SIGN TWO POST	RELOCATE ROADSIDE SIGN ONE POST	RELOCATE ROADSIDE SIGN TWO POST	REMOVE ROADSIDE SIGN	METAL(BARRIER MOUNTED SIGN)	REMARKS
				EA								Kg	
S-3	10	R2-1(50)									1		
		R48-1(CA)									1		
	11	R2-1(50)									1		
		R48-1(CA)									1		
	12	C40(CA)									1		
	13	R5-1									1		
		R5-1a									1		
	14	R5-1									1		
		R5-1a									1		
	15	SR							1				SEE 13 ON S-1 FOR NEW LOCATION
	16	W13-2(30)							1				SEE 14 ON S-1 FOR NEW LOCATION
	17	SW									1		
	18	W13-1(20)							1				SEE 15 ON S-1 FOR NEW LOCATION
	19	R5-1									1		
		R5-1a									1		
	20	S33(CA)									1		
	21	G86(CA)									1		
	22	G20-5(CA)									1		
	23	C40(CA)									1		
	24	SW									1		
		R2-1(15)									1		
	25	SR									1		
SUBTOTAL							21	1	3		34	240	
SUBTOTAL FROM STAGE CONSTRUCTION							0	0	0	4	0		
TOTAL							21	1	3	4	34	240	

HERMINIO RUIDERA — REVISED BY
JERILYN L. STRUVEN — DATE REVISED
CALCULATED-DESIGNED BY
CHECKED BY
FUNCTIONAL SUPERVISOR
JERILYN L. STRUVEN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans **TRAFFIC**

SIGN QUANTITIES

SQ-3

LAST REVISION 05-27-11 | DATE PLOTTED => 06-OCT-2011 | TIME PLOTTED => 06:33

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	159	744

REGISTERED CIVIL ENGINEER 5-31-11 DATE

10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Jerilyn L. Struven No. 49964 Exp. 12-31-12 CIVIL STATE OF CALIFORNIA

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

Caltrans Metric

SIGN PANEL SUMMARY

SHEET No.	NUMBER	SIGN CODE	SIGN SIZE (m x m)	SIGN AREA (m^2)	SINGLE FACED	DOUBLE FACED	BACKGROUND SHEETING COLOR	BACKGROUND RETROREFLECTIVE ASTM TYPE	LEGEND SHEETING COLOR	LEGEND RETROREFLECTIVE ASTM TYPE	GRAPHIC FILM STANDARD	GRAPHIC FILM PREMIUM	ROADSIDE SIGNS SINGLE SHEET FRP 3.4 mm (m^2)	ROADSIDE SIGNS SINGLE SHEET FRAMED ALUMINUM 1.6 mm (m^2)	ROADSIDE SIGNS SINGLE SHEET FRAMED ALUMINUM 2.0 mm (m^2)	ROADSIDE SIGNS SINGLE SHEET UNFRAMED ALUMINUM 1.6 mm (m^2)	ROADSIDE SIGNS SINGLE SHEET UNFRAMED ALUMINUM 2.0 mm (m^2)	ROADSIDE SIGNS SINGLE SHEET UNFRAMED ALUMINUM 3.4 mm (m^2)	ROADSIDE SIGNS LAMINATED 25.4 mm TYPE B (m^2)	ROADSIDE SIGNS LAMINATED 63.5 mm TYPE B (m^2)	ROADSIDE SIGNS LAMINATED 63.5 mm TYPE H (m^2)	ROADSIDE SIGNS FORMED (m^2)	OVERHEAD LAMINATED TYPE A (m^2)	OVERHEAD FORMED W/O RSPF (m^2)	OVERHEAD FORMED WITH RSPF (m^2)	REMARKS
S-1	1	R2-1 (50)	0.91 x 1.14	1.04	X		WHITE	III	BLACK	PLAIN		X				1.04									
	2	R2-1 (50)	0.91 x 1.14	1.04	X		WHITE	III	BLACK	PLAIN		X				1.04									
	3	R2-1 (50)	0.91 x 1.14	1.04	X		WHITE	III	BLACK	PLAIN		X				1.04									
	4	R2-1 (25)	0.91 x 1.14	1.04	X		WHITE	III	BLACK	PLAIN		X				1.04									
	5	R2-1 (25)	0.91 x 1.14	1.04	X		WHITE	III	BLACK	PLAIN		X				1.04									
	6	R1-2	0.91	0.36	X		WHITE	III	RED	III		X				0.36									
	7	R2-1 (50)	0.91 x 1.14	1.04	X		WHITE	III	BLACK	PLAIN		X				1.04									
	8	R2-1 (50)	0.91 x 1.14	1.04	X		WHITE	III	BLACK	PLAIN		X				1.04									
	9	R2-1 (25)	0.91 x 1.14	1.04	X		WHITE	III	BLACK	PLAIN		X				1.04									
	10	R2-1 (25)	0.91 x 1.14	1.04	X		WHITE	III	BLACK	PLAIN		X				1.04									
	11	G86(CA)	3.05 x 2.44	7.42	X		GREEN	IV	GREEN	IV		X			7.42										
	A	G83 (CA)	5.49 x 3.05	16.74	X		GREEN	IV	WHITE	III		X											16.74		
	G	G83 (CA)	6.71 x 2.54	17.04	X		GREEN	IV	WHITE	III		X											17.04		
	G	G83 (CA)	8.54 x 2.54	21.69	X		GREEN	IV	WHITE	III		X											21.69		
	G	G83 (CA)	6.10 x 2.54	15.49	X		GREEN	IV	WHITE	III		X											15.49		
S-2	1	R1-1	0.76	0.48	X		RED	III	WHITE	III		X				0.48									
	2	W3-1	0.75 x 0.75	0.56	X		YELLOW	VII	BLACK/RED	III		X				0.56									
	3	W11-2	0.75 x 0.75	0.56	X		YELLOW	III	BLACK	PLAIN		X				0.56									
	4	R1-1	0.46	0.17	X		RED	III	WHITE	III		X				0.17									
	5	R1-1	0.76	0.48	X		RED	III	WHITE	III		X				0.48									
	6	R99	0.31 x 0.46	0.14	X		BLUE	III	WHITE	III		X				0.14									
		R100B	0.46 x 0.61	0.28	X		WHITE	III	BLACK	PLAIN		X				0.28									
		R7-8B	0.31 x 0.15	0.05	X		BLUE	III	WHITE	III		X				0.05									
	7	R99	0.31 x 0.46	0.14	X		BLUE	III	WHITE	III		X				0.14									
		R100B	0.46 x 0.61	0.28	X		WHITE	III	BLACK	PLAIN		X				0.28									
		R7-8B	0.31 x 0.15	0.05	X		BLUE	III	WHITE	III		X				0.05									
	8	R1-1	0.46	0.17	X		RED	III	WHITE	III		X				0.17									
	9	R1-1	0.76	0.48	X		RED	III	WHITE	III		X				0.48									
	10	W11-2	0.75 x 0.75	0.56	X		YELLOW	III	BLACK	PLAIN		X				0.56									
	11	W3-1	0.75 x 0.75	0.56	X		YELLOW	VII	BLACK/RED	III		X				0.56									
	12	R1-1	0.76	0.48	X		RED	III	WHITE	III		X				0.48									
	13	R1-1	0.76	0.48	X		RED	III	WHITE	III		X				0.48									
	14	R1-1	0.76	0.48	X		RED	III	WHITE	III		X				0.48									
TOTALS															7.42	16.12							70.96		

ABBREVIATIONS:

FRP FIBERGLASS REINFORCED PLASTIC

RSPF REMOVABLE SIGN PANEL FRAME

SIGN QUANTITIES

SQ-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC

FUNCTIONAL SUPERVISOR JERILYN L. STRUVEN

CALCULATED-DESIGNED BY HERMINIO RUIDERA
CHECKED BY JERILYN L. STRUVEN

REVISED BY
DATE REVISED

LAST REVISION 07-20-11 DATE PLOTTED => 06-OCT-2011 TIME PLOTTED => 06:33

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	160	744

Rodrigo Puente 6-2-11
REGISTERED CIVIL ENGINEER DATE

10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Rodrigo Puente No. 58612 Exp. 12-31-12 CIVIL STATE OF CALIFORNIA

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

Caltrans Metric

EARTHWORK

LOCATION	ROADWAY EXCAVATION	EMBANKMENT: LIGHTWEIGHT EMBANKMENT MATERIAL (CELLULAR CONCRETE)	EMBANKMENT: IMPORTED BORROW (LIGHTWEIGHT AGGREGATE)	EMBANKMENT: LOCAL BORROW [N]	IMPORTED TOPSOIL	STRUCTURE EXCAVATION (DUCT BANK)	STRUCTURE BACKFILL (DUCT BANK)
	m^3						
W 89+17			13				
W 93+10 TO 95+47	920		510				
MN 85+00 TO 95+40	5715			896	2219		
R† MN 86+20 TO L† 92+20						1584	1262
MS1 86+86						39	31
E 86+11 TO 87+15	SEE CONTAMINATED MATERIAL EXCAVATION	14492					
E 87+15 TO 94+00	12354			3			
E 87+15 TO 90+15		9558					
BP 86+18 TO 87+60		5926					
BP 86+18 TO 93+53	7912			339	2710		
MS1 85+00 TO 93+59	3069			88			
MS2 11+39 TO 12+00	397			5			
PL 10+00 TO 15+82	1240			1018			
SUBTOTAL	31607	29976	523	2349	4929	1623	1293
SUBTOTAL FROM DRAINAGE	696						
TOTAL	32303	29976	523	2349	4929	1623	1293

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

PLACE HOT MIX ASPHALT DIKE (TYPE A) [N]

LOCATION	m
L† MS1 85+00 TO 86+00	93
R† MS1 85+00 TO 86+00	106
L† MN 85+00 TO 86+40	146
R† MN 85+00 TO 86+40	133
TOTAL	478

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

ROADWAY QUANTITIES

LOCATION	HOT MIX ASPHALT (OPEN GRADED)	HOT MIX ASPHALT (TYPE A)	CLASS 2 AGGREGATE BASE	CLASS 3 AGGREGATE BASE	ASPHALTIC EMULSION (PAINT BINDER)	TACK COAT	COLD PLANE ASPHALT CONCRETE PAVEMENT	DECOMPOSED GRANITE
	TONNE		m^3	m^3	TONNE	TONNE	m^2	m^3
W 89+17		12		7				
W 86+51 TO 95+47	1565	512	267			14.0		
MN 85+00 TO 95+62.30		4084	2128		5.7	5.9		
E 86+20 TO 94+00	1565					14.0		
E 86+20 TO 92+27		6087	3171		6.8	14.2		
MS1 85+00 TO 93+58.70		2907	1624		4.0	4.2		
MS2 11+39 TO 12+11		365	187		0.5	0.5		
PL 10+11 TO 15+82.50		1329	699		2.5	2.6		
PL 10+36 TO 12+27			47					
E 93+52 TO 94+00			58					
BP 87+96.32 TO 94+20		576		534	1.5	1.5		94
MS1 85+00 TO 86+00 (DIKE TYPE A)		16						
MN 85+00 TO 86+40 (DIKE TYPE A)		22						
W 89+47 TO 94+10							8903	
E 90+00 TO 94+00							10949	
SUBTOTAL	3130	15910	8181	541	21.00	56.92	19852	94
SUBTOTAL FROM DRAINAGE		1						
SUBTOTAL	3130	15911	8181	541	21.00	56.92	19852	94

CONTAMINATED MATERIAL EXCAVATION

SHEET No.	LOCATION	EXCAVATION DEPTH (FROM OG) (m)	ROADWAY EXCAVATION: TYPE H m^3	ROADWAY EXCAVATION: CLASS II m^3
C-15	E 86+08 TO 87+15, BP 86+18 TO 87+00	FULL DEPTH	9799	
C-14, C-15	MN 85+83 TO 86+40	0.5	219	
C-16	MN 91+76 TO 92+60	0.5	217	
C-17	MN 93+04 TO 95+16	0.5	609	
C-14, C-15	MS1 85+00 TO 86+09	0.5	271	
C-15	PL 12+35 TO 12+70	0.15 - 0.21		26.9
C-16	PL 15+00 TO 15+82.46	0.15 - 0.27		30.8
		TOTAL	11115	57.7

SUMMARY OF QUANTITIES

Q-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TOLL BRIDGE

FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ
CALCULATED-DESIGNED BY: RODRIGO PUENTE
CHECKED BY: GABRIEL TCRUZ
REVISED BY / DATE REVISED

LAST REVISION 08-05-11 DATE PLOTTED => 06-OCT-2011 TIME PLOTTED => 06:33

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	161	744

Rodrigo Puente 6-2-11
REGISTERED CIVIL ENGINEER DATE

10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Rodrigo Puente No. 58612 Exp. 12-31-12 CIVIL STATE OF CALIFORNIA

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

Caltrans Metric

IRRIGATION CROSSOVERS

LOCATION		SIDE		CONDUIT TYPE (3) LENGTH (m) SIZE (mm) DN		(N) WATER LINE CROSSOVER SIZE (mm) DN				(N) SPRINKLER CONTROL CROSSOVER SIZE (50mm) DN
LINE	STATION	R†	L†	200	300	25	32	40	75	
MS1	85+30	X	X	9	-	-	-	-	X	X
E	86+90	-	X	4	-	-	-	-	X	X
BP	87+15	X	X	5	-	-	-	-	X	X
MS1	87+00	X	X	4	-	-	-	-	X	X
E	88+50	-	X	9	-	-	-	-	X	X
E	89+03	-	X	9	-	X	-	-	-	-
MS1	90+60	-	X	-	5	-	X	X	-	-
E	91+35	-	X	9	-	-	-	-	X	X
E	92+63	-	X	4	-	X	-	X	-	-
TOTAL				53	5					

(N) - NOT A SEPARATE PAY ITEM FOR INFORMATION ONLY
DN - DIAMETER NOMINAL
X - DENOTES REQUIREMENT

CONDUIT TYPE
(Applicable when circled below and shown under the 'CONDUIT TYPE' column heading)

1 BITUMINOUS COATED CORRUGATED STEEL PIPE (1.626 mm THICK)
2 CORRUGATED STEEL PIPE (1.626 mm THICK)
(3) CORRUGATED HIGH DENSITY POLYETHYLENE PIPE
4 ALTERNATIVE CONDUIT

IRRIGATION SLEEVE

LOCATION		SIDE		SCH. 40 SIZE (150mm) DN LENGTH (m)
LINE	STATION	R†	L†	
PL	11+10	-	X	4
PL	11+20	-	X	5
PL	11+30	-	X	14
PL	11+40	X	X	10
BP	87+79	-	X	10
BP	87+87	X	-	17
	TOTAL			60

CHAIN LINK FENCE (TYPE CL-1.8)

LOCATION	m
R† PL 11+65 TO 15+82	491
TOTAL	491

ROCK BLANKET

LOCATION	m^2
E 89+40 TO 92+20	780
TOTAL	780

TEMPORARY FENCE (TYPE ESA)

SHEET No.	LOCATION	m
C-18	L† W 92+39 TO 95+88	355
C-18	R† E 83+82 TO 92+08	916
	TOTAL	1271

CRASH CUSHION MODULE, SAND FILLED

SHEET No.	LOCATION	CRASH CUSHION TYPE	EA
L-3	R† W 92+73	ARRAY U14	14
		TOTAL	14

CONCRETE BARRIER

LOCATION	TYPE 60S	TYPE 60SC
	m	
R† 86+18 TO 88+60		242
R† E 88+60 TO 94+80	624	
R† W 88+20 TO 92+73		455
L† E 87+89 TO 92+27		437
TOTAL	624	1134

MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION)

LOCATION	CURB	SIDEWALK	MINOR CONCRETE (PAVING)	DRAINAGE
	m^3			
PL 10+03 TO 12+27	63.9			
MS1 86+25 TO 87+69	9.2			
MS1 88+04 TO 93+58.7	35.1			
MN 86+66 TO 87+49	10.9			
MN 87+69 TO 89+80	27.2			
MN 90+00 TO 92+30.5	29.7			
MN 92+50.5 TO 95+62.3	40.1			
PL 10+36 TO 12+27		31.0		
L† E 93+52 TO 94+00			57.9	
SUBTOTAL FROM DRAINAGE				16.8
SUBTOTAL	216.1	31.0	57.9	16.8
TOTAL	321.8			

WELDED WIRE STEEL RAILING

LOCATION	m
R† E 86+19 TO 94+80	866
TOTAL	866

CABLE RAILING

LOCATION	m
R† MS1 87+08 TO 88+19	93
TOTAL	93

RECONSTRUCT ROCK SLOPE PROTECTION

SHEET No.	LOCATION	GEOTEXTILE FILTER FABRIC	STRUCTURE BACKFILL (RSP)	RECONSTRUCT ROCK SLOPE PROTECTION (1T, METHOD B)
		M2	M3	
C-11	L† MN 85+20 TO 86+00	456	312	214
C-11	AT TEMPORARY BENT E19AR			92
	SUBTOTAL	456	312	306
	GRAND TOTAL FROM DQ SHEETS	13		
	TOTAL	469	312	306

SUMMARY OF QUANTITIES

Q-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TOLL BRIDGE

FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ
CALCULATED-DESIGNED BY: RODRIGO PUENTE
CHECKED BY: GABRIEL TCRUZ
REVISED BY / DATE REVISED

LAST REVISION 08-02-11
DATE PLOTTED => 06-OCT-2011
TIME PLOTTED => 06:33

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	162	744

Rodrigo Puente 6-2-11
REGISTERED CIVIL ENGINEER DATE

10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Rodrigo Puente No. 58612 Exp. 12-31-12 CIVIL STATE OF CALIFORNIA

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

Caltrans Metric

REMOVE CONCRETE

LOCATION	REMOVE CONCRETE BARRIER (TYPE K)	REMOVE CONCRETE BARRIER (TYPE 60SC)	REMOVE CONCRETE PAVEMENT	
	m		m^3	DEPTH (m) [N]
R+ E 89+22 TO 93+82	464			
R+ E 87+18 TO R+ W 92+51	539			
R+ E 85+54 TO L+ 91+94	644			
R+ E 87+09 TO L+ W 92+15	510			
R+ E 93+61 TO 94+80	120			
L+ E 88+84 TO 89+45	61			
L+ E 88+89	18			
L+ E 87+78	18			
R+ E 86+00 TO 89+22		332		
L+ E 87+11 TO 88+95			130	0.2
TOTAL	2374	332	130	

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

REMOVE BASE AND SURFACING

LOCATION	EXCAVATION DEPTH (m)	m^3
R+ MS1 85+24 TO 86+28	0.47	720
R+ MS1 86+45 TO 86+92		116
R+ E 87+60 TO 91+97		512
R+ E 90+39 TO 91+82		56
R+ E 91+82 TO 94+37	0.45	708
R+ E 87+96 TO 94+40		431
R+ MS1 88+17 TO 92+44		1431
R+ E 89+11 TO 90+39		97
R+ MS1 86+31 TO 86+82	0.24	63
R+ MS1 88+28 TO 93+12		965
L+ PL 12+20 TO R+ 15+82	0.15	162
R+ PL 13+29 TO 15+82		53
	TOTAL	**5314**

REMOVE CRASH CUSHION (SAND FILLED)

LOCATION	CRASH CUSHION TYPE	EA
R+ W 89+78	ARRAY U14	1
	TOTAL	1

SALVAGE QWICK KURB CHANNELIZER SYSTEM

LOCATION	m
R+ W 89+80 TO L+ 93+70	372.5
TOTAL	372.5

REMOVE ASBESTOS CEMENT PIPE

SHEET No.	LOCATION	m
U-3	L+ E 86+00 TO 88+20	221
	TOTAL	221

REMOVE ASPHALT CONCRETE [N]

LOCATION	CURB	PAD
	m^3	
L+ E 87+04 TO 87+78	2.4	60.4
SUBTOTAL	2.4	60.4
TOTAL	62.8	

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

REMOVE METAL BEAM GUARD RAILING

LOCATION	m
L+ E 87+06 TO 87+73	67
TOTAL	67

REMOVE GATE

LOCATION	WIDTH (m)	EA
W 88+07	2.75	2
W 89+19	2.75	2
	TOTAL	4

REMOVE CHAIN LINK FENCE

LOCATION	TYPE CL-1.5
	m
W 88+07	18
W 89+19	18
TOTAL	36

SUMMARY OF QUANTITIES

Q-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TOLL BRIDGE

FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ
CALCULATED-DESIGNED BY: RODRIGO PUENTE
CHECKED BY: GABRIEL TCRUZ
REVISED BY / DATE REVISED

LAST REVISION 06-03-11
DATE PLOTTED => 06-OCT-2011
TIME PLOTTED => 10:36

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	163	744

Caltrans Metric

Lorena Wong
LICENSED LANDSCAPE ARCHITECT

10-3-11
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — LORENA WONG No. 3894 — Lorena Wong — Signature — 5-31-13 Renewal Date — 6-6-11 Date — 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.

ABBREVIATIONS

AMEND — amendment
B & B — balled and burlapped
DIA — diameter
EA — each
g — gram
kg — kilogram
m — meter
m^2 — square meter
m^3 — cubic meter
MAX — maximum
MIN — minimum
mm — millimeter
No. — number
PLT ESTB - plant establishment
PVMT — pavement
R/W — right of way
SF — state furnished
TAB — tablet(s)
TRVD — traveled

PLANT LIST AND PLANTING SPECIFICATIONS

PLANT GROUP	PLANT No	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY EACH	HOLE SIZE (mm) DIA	HOLE SIZE (mm) DEPTH	BASIN TYPE	IRON SULFATE (1)	SOIL AMEND (1)	COMMERCIAL FERTILIZER (1) PLANTING	COMMERCIAL FERTILIZER (1) PLT ESTB	BASIN MULCH	STAKING	PLANTING LIMITS MINIMUM DISTANCE (m) FROM TRVD WAY	PVMT	FENCE	WALL	PAVED DITCH	EARTH DITCH	ON CENTER (m)	REMARKS
A	1		ARCTOSTAPHYLOS DENSIFLORA 'HOWARD MCMINN'	MANZANITA 'HOWARD MCMINN'	No.1	144	450	600	I	--	0.03 m3	225 g	225 g	0.04 m3	--	--	2	2	2	2	2.5	(4)	SHRUB
	2		ARTEMESIA CALIFORNICA 'MONTARA'	CALIFORNIA SAGEBRUSH 'MONTARA'	No.1	330	450	600	I	--	0.03 m3	225 g	225 g	0.04 m3	--	--	2	2	2	2	2.5	(4)	SHRUB
	3		BACCHARIS PILULARIS 'PIGEON POINT'	COYOTE BRUSH 'PIGEON POINT'	No.1	289	450	600	I	--	0.03 m3	225 g	225 g	0.04 m3	--	--	2	2	2	2	2.5	(4)	SHRUB
	4		CEANOTHUS GLORIOSUS X EXALTATUS 'EMILY BROWN'	CALIFORNIA LILAC 'EMILY BROWN'	No.1	140	450	600	I	--	0.03 m3	225 g	225 g	0.04 m3	--	--	3	3	3	3	3.5	(4)	SHRUB
	5		ERIOGONUM GIGANTEUM	SAINT CATHERINE'S LACE	No.1	33	450	600	I	--	0.03 m3	225 g	225 g	0.04 m3	--	--	2	2	2	2	2.5	(4)	SHRUB
	6		FREMONTODENDRON 'KEN TAYLOR'	FLANNELBUSH 'KEN TAYLOR'	No.1	23	450	600	I	--	0.03 m3	225 g	225 g	0.04 m3	--	--	4.5	3	3	3	3.5	(4)	SHRUB
	7		IRIS DOUGLASIANA	DOUGLAS IRIS	No.1	1654 / 372	(2) / 450	(2) / 600	(2) / I	--	(7) / 0.03 m3	(7) / 225 g	225 g	-- / 0.04 m3	--	--	1	1	1	1	1.5	(4)	PERENNIAL
	8		JUNIPER CONFERTA 'PACIFIC BLUE'	SHORE JUNIPER 'PACIFIC BLUE'	No.1	1031	450	600	I	--	0.03 m3	225 g	225 g	0.04 m3	--	--	2.5	2	2	2	2.5	(4)	SHRUB
	9		LIMONIUM PEREZII	SEA LAVENDER	No.1	635	450	600	I	--	0.03 m3	225 g	225 g	0.04 m3	--	--	1	1	1	1	1.5	(4)	PERENNIAL
	10		MYRICA CALIFORNICA	PACIFIC WAX MYRTLE	No.1	48	450	600	I	--	0.03 m3	225 g	225 g	0.04 m3	--	--	2.5	2.5	2.5	2	3	(4)	SHRUB
B	11		PHORMIUM 'BRONZE BABY'	NEW ZEALAND FLAX 'BRONZE BABY'	No.5	632	600	600	I (9)	--	0.15 m3	225 g	225 g	0.04 m3	--	--	0.6	0.6	0.6	1	1.5	(4)	PERENNIAL
	12		PHORMIUM 'CREAM DELIGHT'	NEW ZEALAND FLAX 'CREAM DELIGHT'	No.5	55	600	600	I (9)	--	0.15 m3	225 g	225 g	0.04 m3	--	--	0.6	0.6	0.6	1	1.5	(4)	PERENNIAL
	13		PHORMIUM 'DARK DELIGHT'	NEW ZEALAND FLAX 'DARK DELIGHT'	No.5	328	600	600	I (9)	--	0.15 m3	225 g	225 g	0.04 m3	--	--	1.2	1.2	1.2	1	2	(4)	PERENNIAL
	14		PHORMIUM TENAX	NEW ZEALAND FLAX	No.5	94	600	600	I (9)	--	0.15 m3	225 g	225 g	0.04 m3	--	--	1.2	1.2	1.2	1	2.5	(4)	PERENNIAL
	15		PHORMIUM TENAX 'ATROPURPUREA'	NEW ZEALAND FLAX 'ATROPURPUREA'	No.5	125	600	600	I (9)	--	0.15 m3	225 g	225 g	0.04 m3	--	--	1.2	1.2	1.2	1	2.5	(4)	PERENNIAL
I	16		MUHLENBERGIA RIGENS	DEER GRASS	100 mm POT	905 / 112	(2)	(2)	(2) / I	--	(7) / 0.03 m3	(7) / 100 g	100 g	-- / 0.04 m3	--	--	2	2	2	2	2.5	(4)	GRASS
	17		OENOTHERA SPECIOSA 'SISKIYOU'	MEXICAN PRIMROSE 'SISKIYOU'	100 mm POT	290	(2)	(2)	I	--	--	100 g	100 g	0.04 m3	--	--	2	2	2	2	2.5	(4)	PERENNIAL
	18		SALVIA 'BEE'S BLISS'	CREEPING SAGE 'BEE'S BLISS'	100 mm POT	372	(2)	(2)	I	--	0.03 m3	100 g	100 g	0.04 m3	--	--	2	2	2	2	2.5	(4)	SHRUB
	19		SALVIA LEUCOPHYLLA 'POINT SAL SPREADER'	PURPLE SAGE 'POINT SAL SPREADER'	100 mm POT	80	(2)	(2)	I	--	0.03 m3	100 g	100 g	0.04 m3	--	--	2	2	2	2	2.5	(4)	SHRUB
	20		ZAUSCHNERIA CALIFORNICA LATIFOLIA 'EVERETT'S CHOICE'	CALIFORNIA FUCHSIA 'EVERETT'S CHOICE'	100 mm POT	847 / 668	(2)	(2)	(2) / I	--	(7) / 0.03 m3	(7) / 100 g	100 g	-- / 0.04 m3	--	--	2	2	2	2	2.5	(4)	PERENNIAL

APPLICABLE WHEN CIRCLED:

(1) - Quantities shown are "per plant" unless plant is within area to be cultivated.
(2) - Sufficient to receive root ball.
3 - Does not apply to mulch areas.
(4) - As shown on plans.
5 - See Special Provisions and detail.
(6) - See detail.
(7) - See Special Provisions
8 - Brown trunk height.
(9) No basin required in rock blanket areas.

LEGEND:

LIMITS OF SPREAD MULCH
LIMITS OF LIGHTWEIGHT FILL (CELLULAR CONCRETE)
LIMITS OF CULTIVATION
ROCK BLANKET

NOTE:

Underlined portions of botanical name indicate abbreviations used on Planting Plans.

PLANT LIST PL-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE
SENIOR LANDSCAPE ARCHITECT: LORENA WONG
CALCULATED-DESIGNED BY: FELIX ONUKWUGHA
CHECKED BY: BARBARA B DEANDA
REVISED BY: RD
DATE REVISED: 5-31-11

LAST REVISION 06-27-11
DATE PLOTTED => 06-OCT-2011
TIME PLOTTED => 06:33

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	164	744

Caltrans Metric

Lorena Wong
LICENSED LANDSCAPE ARCHITECT

10-3-11
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — LORENA WONG NO. 3324 — Lorena Wong — Signature — 5-31-13 Renewal Date — 6-6-11 Date — 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.

ABBREVIATIONS

AMEND — amendment
B & B — balled and burlapped
DIA — diameter
EA — each
g — gram
kg — kilogram
m — meter
m^2 — square meter
m^3 — cubic meter
MAX — maximum
MIN — minimum
mm — millimeter
No. — number
PLT ESTB - plant establishment
PVMT — pavement
R/W — right of way
SF — state furnished
TAB — tablet(s)
TRVD — traveled

PLANT LIST AND PLANTING SPECIFICATIONS

PLANT GROUP	PLANT No	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY EACH	HOLE SIZE (mm) DIA	HOLE SIZE (mm) DEPTH	BASIN TYPE	IRON SULFATE ①	SOIL AMEND ①	COMMERCIAL FERTILIZER ① PLANTING	COMMERCIAL FERTILIZER ① PLT ESTB	BASIN MULCH	STAKING	PLANTING LIMITS MINIMUM DISTANCE (m) FROM TRVD	PVMT	FENCE	WALL	PAVED	EARTH	ON CENTER (m)	REMARKS
K	21		CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	600 mm BOX	11	900	900	I	--	2 m3	900 g	900 g	0.04 m3	⑥	12	--	6	6	6	7	④	PALM TREE
	22		PHOENIX CANARIENSIS	CANARY ISLAND DATE PALM	600 mm BOX	9	900	900	I	--	2 m3	900 g	900 g	0.04 m3	⑥	12	--	6	6	6	7	④	PALM TREE
	23		WASHINGTONIA FILIFERA	CALIFORNIA FAN PALM	600 mm BOX	14	900	900	I	--	2 m3	900 g	900 g	0.04 m3	⑥	12	--	6	6	6	7	④	PALM TREE
M	24		FESTUCA IDAHOENSIS 'TOMALES BAY'	IDAHO FESCUE 'TOMALES BAY'	LINER ⑦	100221	②	②	--	--	⑦	⑦	--	--	--	--	0.3	0.4	0.3	0.4	1.5	0.2	GRASS
U	25		MELALEUCA QUINQUENERVIA	PAPERBARK TREE	No. 15	43	600	600	I	--	0.15 m3	225 g	225 g	0.04 m3	⑥	9	--	6	6	6	7	④	TREE
Z	26		PHOENIX CANARIENSIS	CANARY ISLAND DATE PALM	6 m ⑧	62	⑥	⑥	⑥	--	--	⑦	⑦	--	⑥	④	0.6	④	④	④	④	④	PALM TREE

APPLICABLE WHEN CIRCLED:

① - Quantities shown are "per plant" unless plant is within area to be cultivated.
② - Sufficient to receive root ball.
3 - Does not apply to mulch areas.
④ - As shown on plans.
5 - See Special Provisions and detail.
⑥ - See detail.
⑦ - See Special Provisions
⑧ - Brown trunk height.
9 - No basin required in rock blanket areas.

NOTE:

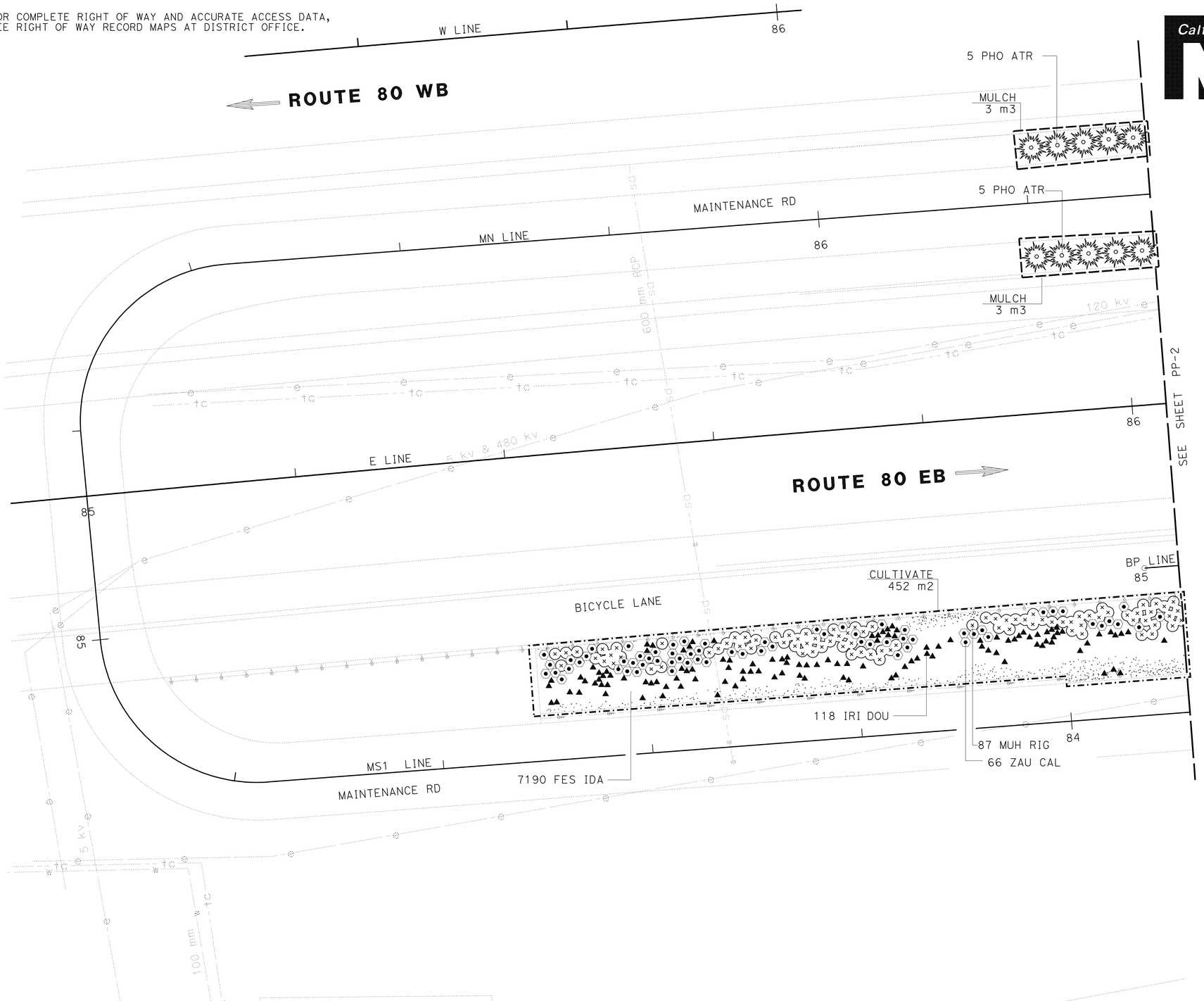
Underlined portions of botanical name indicate abbreviations used on Planting Plans.

PLANT LIST
PL-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE
SENIOR LANDSCAPE ARCHITECT: LORENA WONG
CALCULATED-DESIGNED BY: FELIX ONUKWUGHA
CHECKED BY: BARBARA B DEANDA
REVISED BY: RD
DATE REVISED: 5-31-11

LAST REVISION DATE PLOTTED => 06-OCT-2011
TIME PLOTTED => 06:34
06-27-11

NOTE: FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



THIS PLAN ACCURATE FOR PLANTING WORK ONLY.

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	165	744

Lorena Wong
LICENSED LANDSCAPE ARCHITECT

10-3-11
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
LORENA WONG
Signature
5-31-13
Renewal Date
6-6-11
Date
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.

Caltrans Metric

PLANTING PLAN PP-1

SCALE 1:200

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: LORENA WONG
CALCULATED-DESIGNED BY: BARBARA B DEANDA
CHECKED BY: FELIX ONUKWUGHA
REVISED BY: RD
DATE REVISED: 5-31-11

LAST REVISION 06-27-11
DATE PLOTTED => 06-OCT-2011
TIME PLOTTED => 06:34

NOTE: FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.

Caltrans Metric

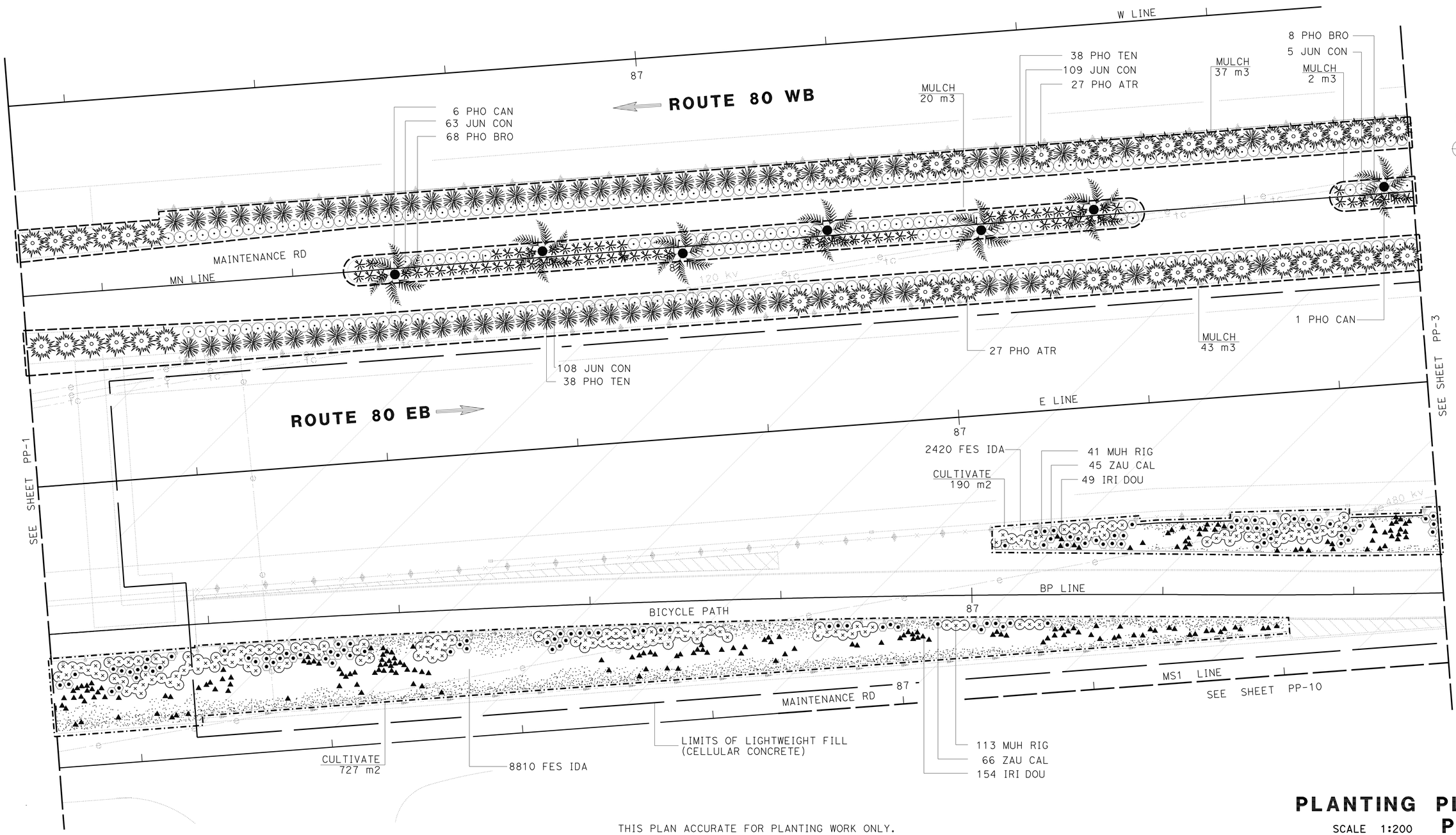
Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	166	744

Lorena Wong
LICENSED LANDSCAPE ARCHITECT

10-3-11
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
LORENA WONG NO. 3024
Lorena Wong
Signature
5-31-13
Renewal Date
6-6-11
Date
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.



THIS PLAN ACCURATE FOR PLANTING WORK ONLY.

PLANTING PLAN
SCALE 1:200
PP-2

CALCULATED-DESIGNED BY	BARBARA B DEANDA
CHECKED BY	FELIX ONUKWUGHA
REVISED BY	RD
DATE REVISED	5-31-11

SENIOR LANDSCAPE ARCHITECT
LORENA WONG

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

LAST REVISION 06-27-11
DATE PLOTTED => 06-OCT-2011
TIME PLOTTED => 06:34

NOTE: FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	167	744

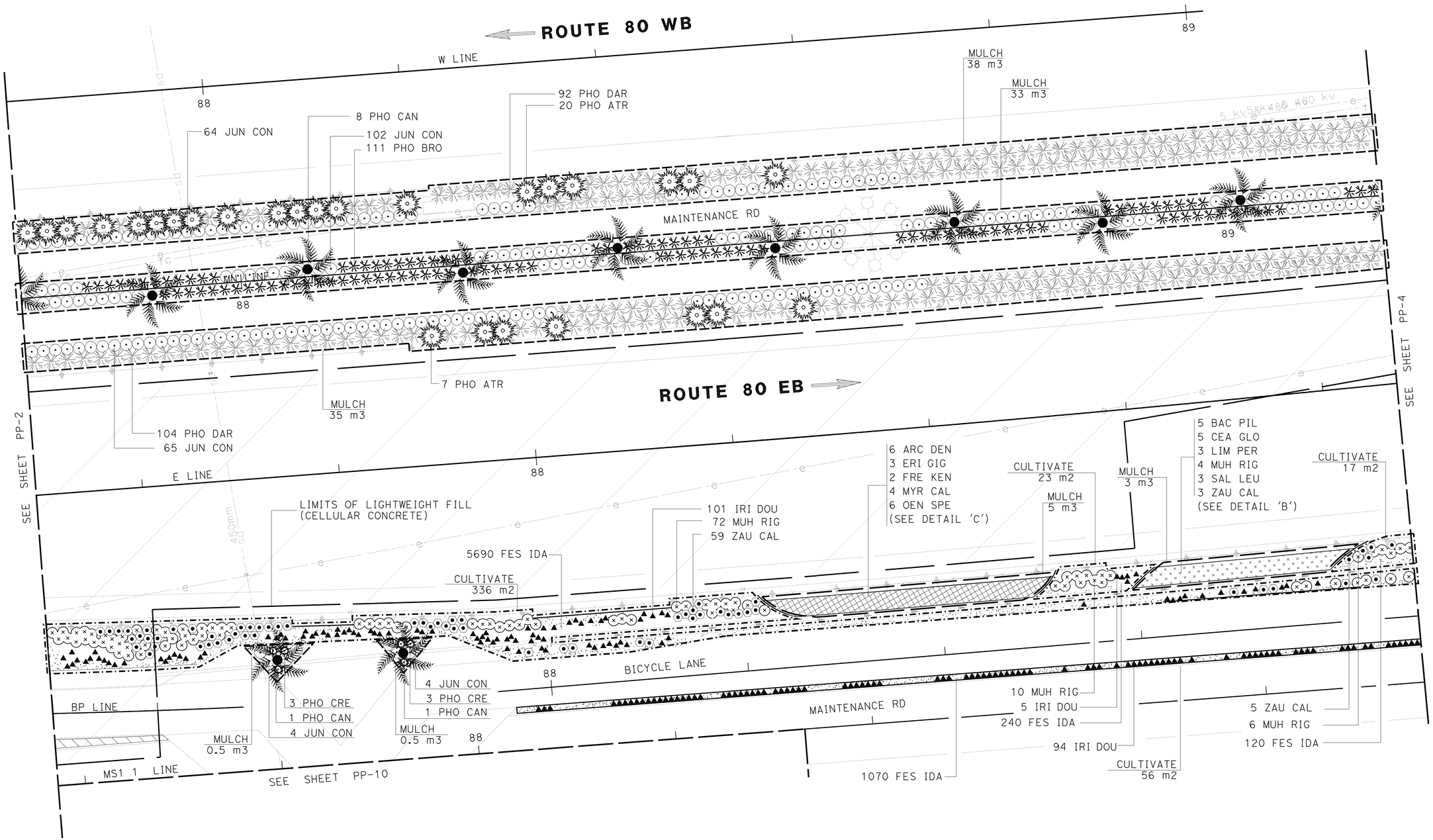
Caltrans Metric

Lorena Wong
LICENSED LANDSCAPE ARCHITECT

10-3-11
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — LORENA WONG NO. 3404 — Signature — 5-31-13 Renewal Date — 6-6-11 Date — 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.



THIS PLAN ACCURATE FOR PLANTING WORK ONLY.

PLANTING PLAN PP-3

SCALE 1:200

REVISED BY	RD
DATE REVISED	5-31-11
BARBARA B DEANDA	
FELIX ONUKWUGHA	
CALCULATED-DESIGNED BY	
CHECKED BY	
SENIOR LANDSCAPE ARCHITECT	LORENA WONG

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

LAST REVISION 06-27-11 | DATE PLOTTED => 06-OCT-2011 | TIME PLOTTED => 06:34

NOTE: FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	168	744

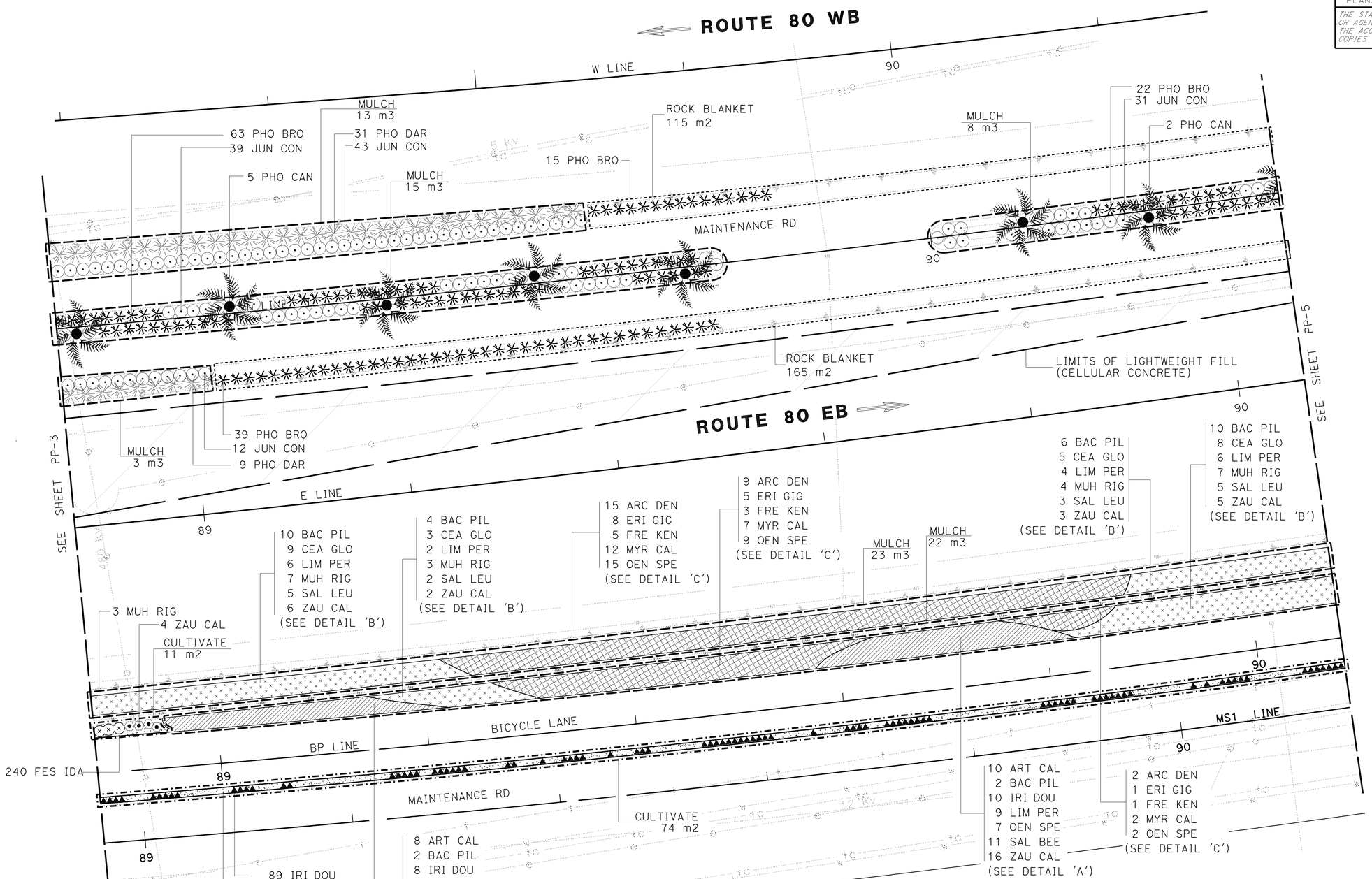
Caltrans Metric

Lorena Wong
LICENSED LANDSCAPE ARCHITECT

10-3-11
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
LORENA WONG NO. 3504
Signature
5-31-13
Renewal Date
6-6-11
Date
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.



THIS PLAN ACCURATE FOR PLANTING WORK ONLY.

PLANTING PLAN PP-4

SCALE 1:200

REVISED BY	RD
DATE REVISED	5-31-11
BARBARA B DEANDA	
FELIX ONUKWUGHA	
CALCULATED-DESIGNED BY	
CHECKED BY	
SENIOR LANDSCAPE ARCHITECT	LORENA WONG

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

LAST REVISION 06-27-11 | DATE PLOTTED => 06-OCT-2011 | TIME PLOTTED => 06:35

NOTE: FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	169	744

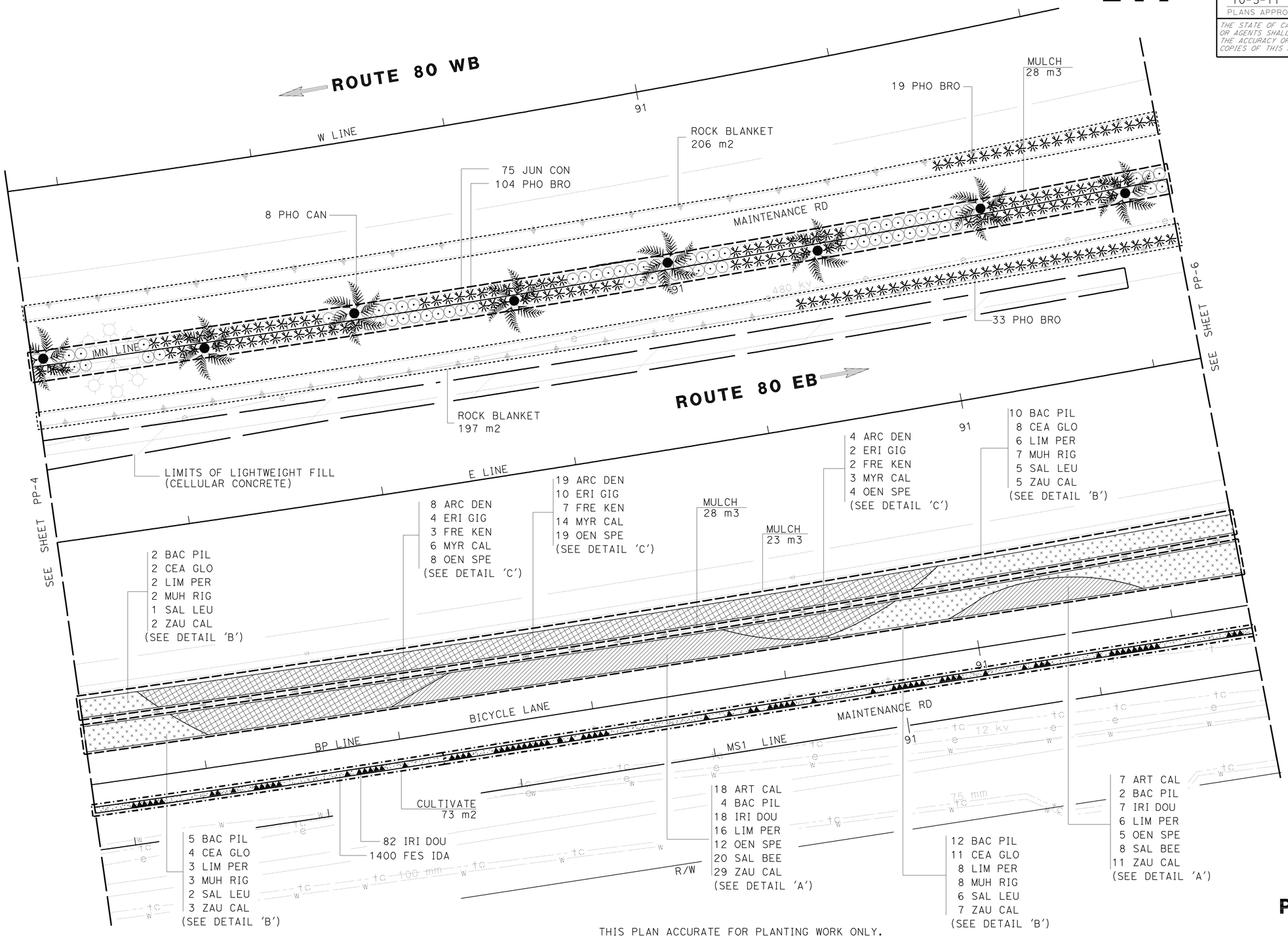
Caltrans Metric

Lorena Wong
LICENSED LANDSCAPE ARCHITECT

10-3-11
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT LORENA WONG No. 3404 Signature 5-31-13 Renewal Date 6-6-11 Date 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.



THIS PLAN ACCURATE FOR PLANTING WORK ONLY.

PLANTING PLAN PP-5

SCALE 1:200

REVISED BY	DATE REVISED
RD	5-31-11

CALCULATED-DESIGNED BY: BARBARA B DEANDA
CHECKED BY: FELIX ONUKWUGHA
SENIOR LANDSCAPE ARCHITECT: LORENA WONG

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

LAST REVISION 06-27-11
DATE PLOTTED => 06-OCT-2011
TIME PLOTTED => 06:35

NOTE: FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	170	744

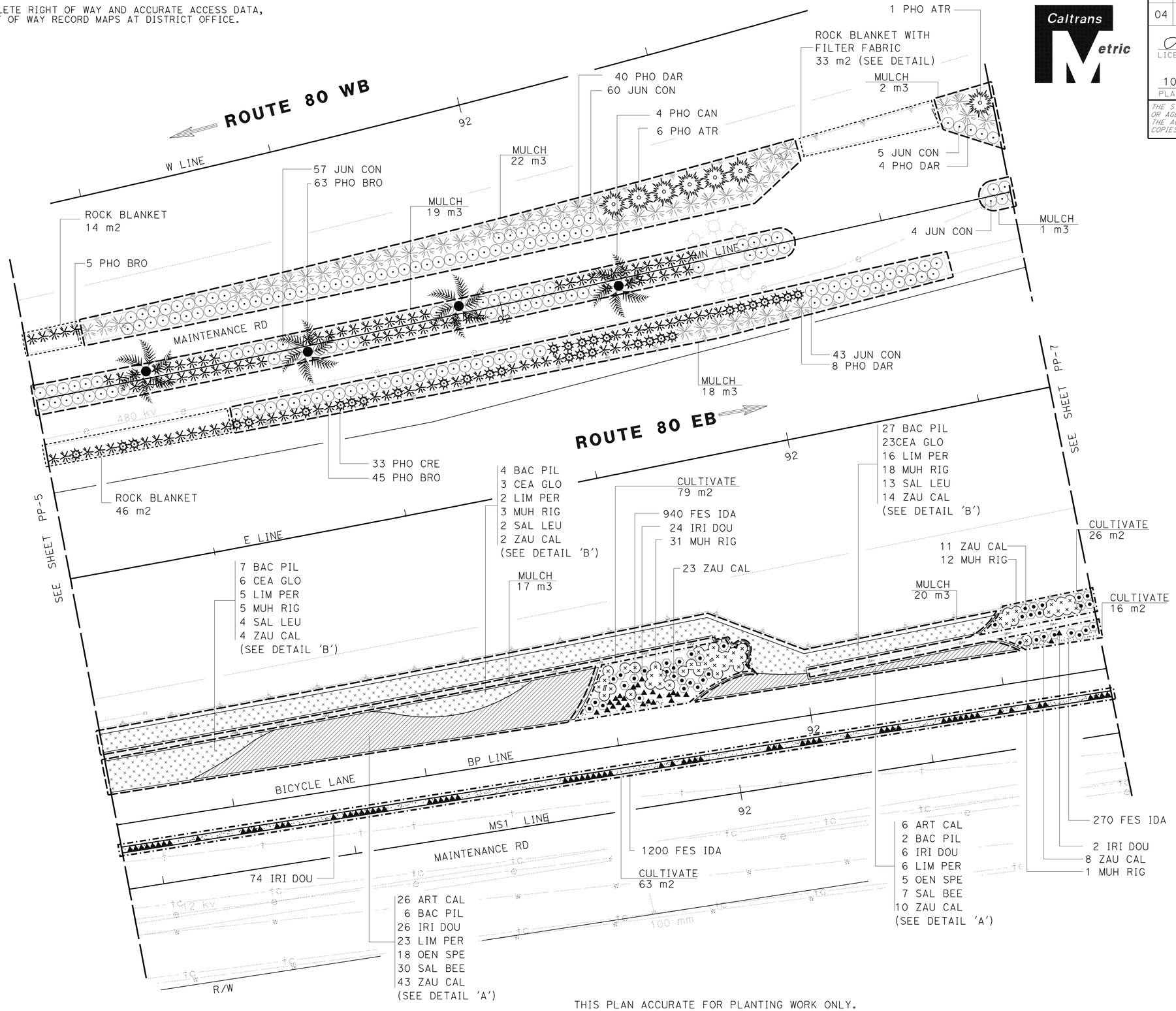
Caltrans Metric

Lorena Wong
LICENSED LANDSCAPE ARCHITECT

10-3-11
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — LORENA WONG No. 3054 — Signature — 5-31-13 Renewal Date — 6-6-11 Date — 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.



THIS PLAN ACCURATE FOR PLANTING WORK ONLY.

PLANTING PLAN

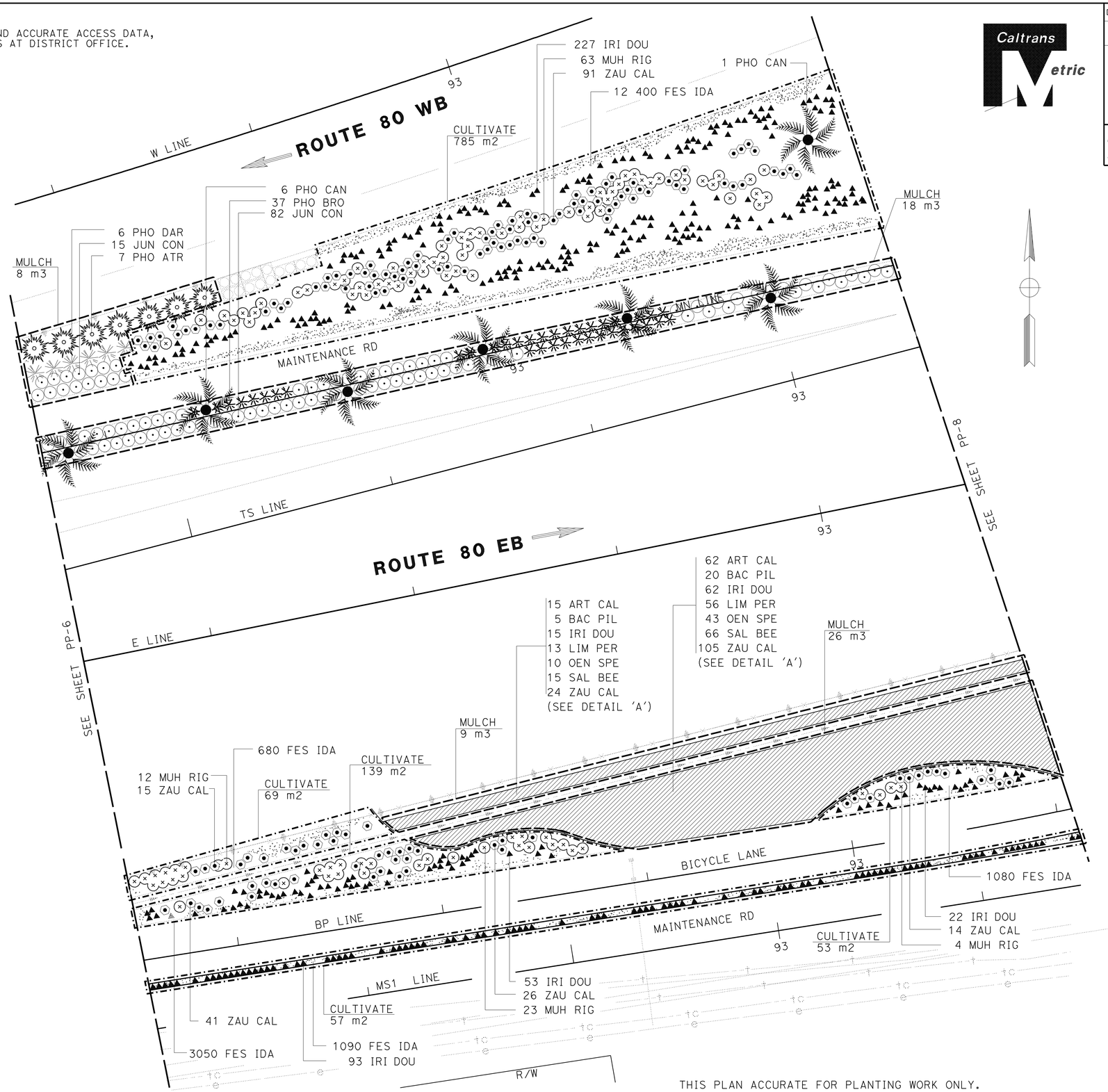
SCALE 1:200 **PP-6**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: LORENA WONG
CALCULATED-DESIGNED BY: BARBARA B DEANDA
CHECKED BY: FELIX ONUKWUGHA
REVISED BY: RD
DATE REVISED: 5-31-11

LAST REVISION 06-27-11
DATE PLOTTED => 06-OCT-2011
TIME PLOTTED => 06:35

NOTE: FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



THIS PLAN ACCURATE FOR PLANTING WORK ONLY.

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	171	744

Lorena Wong
LICENSED LANDSCAPE ARCHITECT

10-3-11
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — LORENA WONG No. 5204 — Signature 5-31-13 Renewal Date — 6-6-11 Date — 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.

Caltrans Metric

PLANTING PLAN PP-7

SCALE 1:200

LAST REVISION 06-27-11 | DATE PLOTTED => 06-OCT-2011 | TIME PLOTTED => 06:35

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: LORENA WONG

CALCULATED-DESIGNED BY: BARBARA B DEANDA
CHECKED BY: FELIX ONUKWUGHA
REVISED BY: RD
DATE REVISED: 5-31-11

BORDER LAST REVISED 3/1/2007

RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => s121614
DGN FILE => 40120mtl007.dgn

CU 04342

EA 0120M1

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	172	744

Caltrans Metric

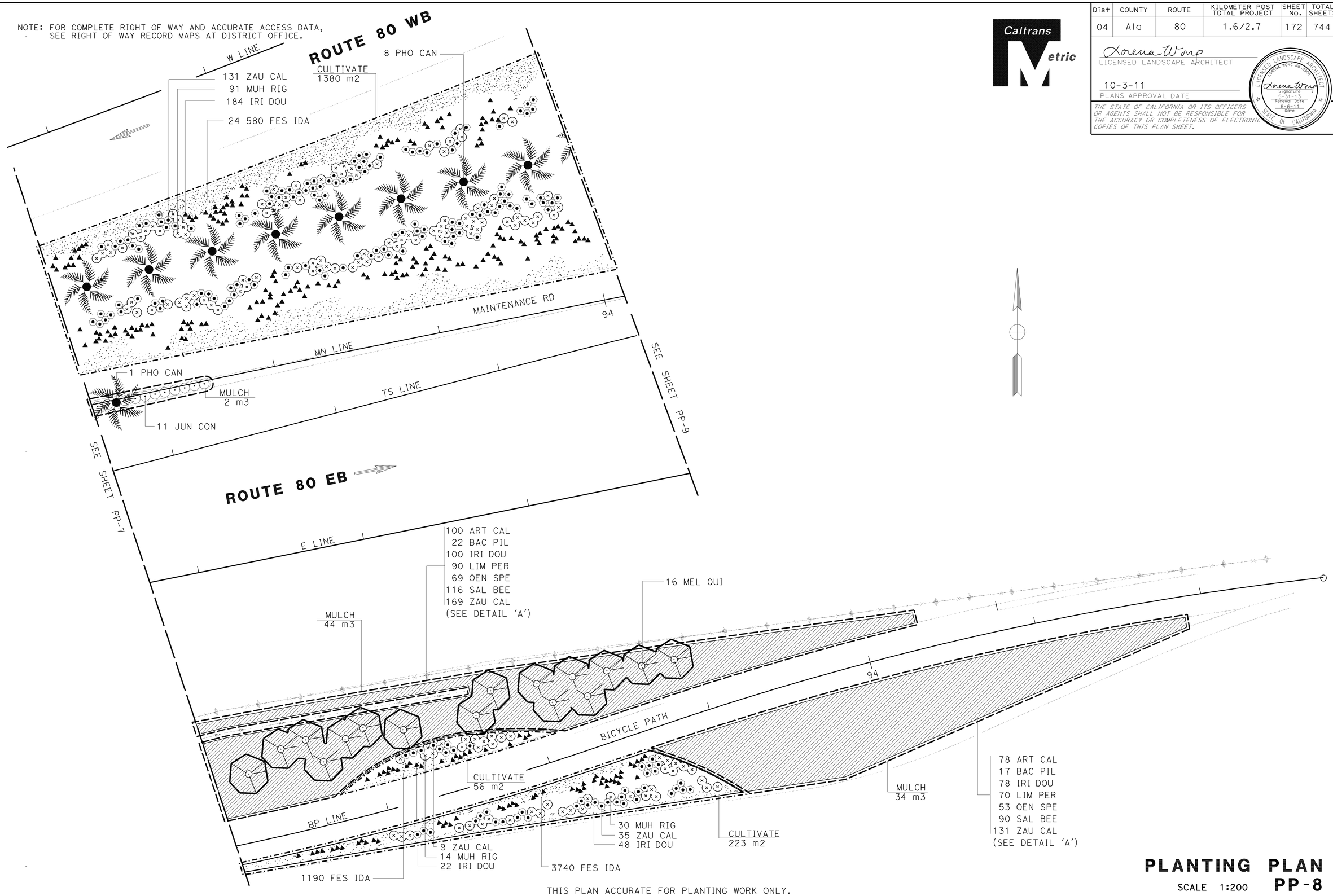
Lorena Wong
LICENSED LANDSCAPE ARCHITECT

10-3-11
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — LORENA WONG No. 3368 — Lorena Wong — Signature — 5-31-13 Renewal Date — 6-6-11 Date — 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: FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



THIS PLAN ACCURATE FOR PLANTING WORK ONLY.

PLANTING PLAN PP-8

SCALE 1:200

REVISED BY	RD
DATE REVISED	5-31-11
CALCULATED-DESIGNED BY	BARBARA B DEANDA
CHECKED BY	FELIX ONUKWUGHA
SENIOR LANDSCAPE ARCHITECT	LORENA WONG

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

LAST REVISION 06-27-11 | DATE PLOTTED => 06-OCT-2011 | TIME PLOTTED => 08:36

NOTE: FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.

Caltrans Metric

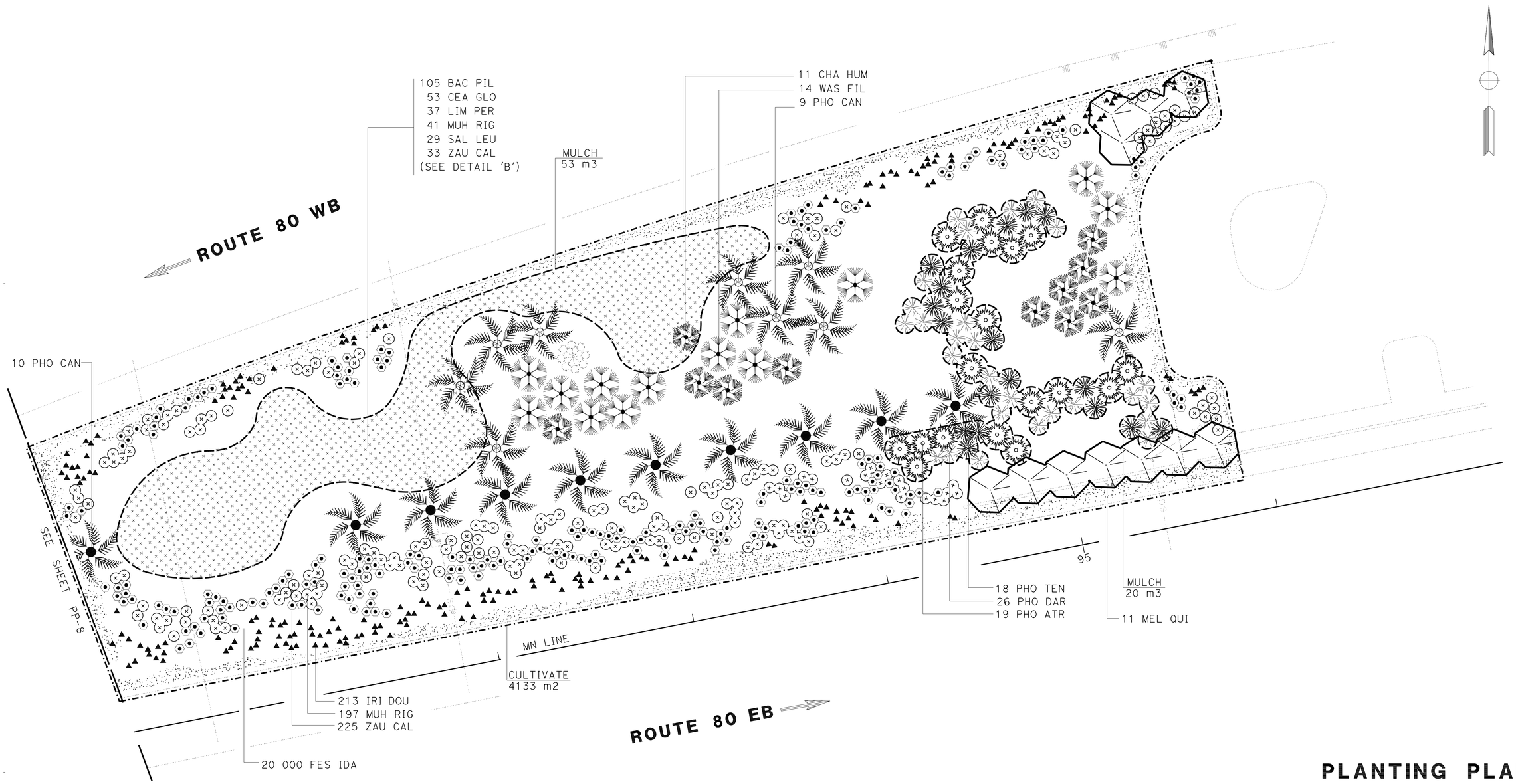
Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	173	744

Lorena Wong
LICENSED LANDSCAPE ARCHITECT

10-3-11
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
LORENA WONG NO. 3364
Lorena Wong
Signature
5-31-13
Renewal Date
6-6-11
Date
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.



THIS PLAN ACCURATE FOR PLANTING WORK ONLY.

PLANTING PLAN

SCALE 1:200 **PP-9**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: LORENA WONG
CALCULATED-DESIGNED BY: BARBARA B DEANDA
CHECKED BY: FELIX ONUKWUGHA
REVISED BY: RD
DATE REVISED: 5-31-11

LAST REVISION 7-14-11
DATE PLOTTED => 06-OCT-2011
TIME PLOTTED => 06:36

NOTE: FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	174	744

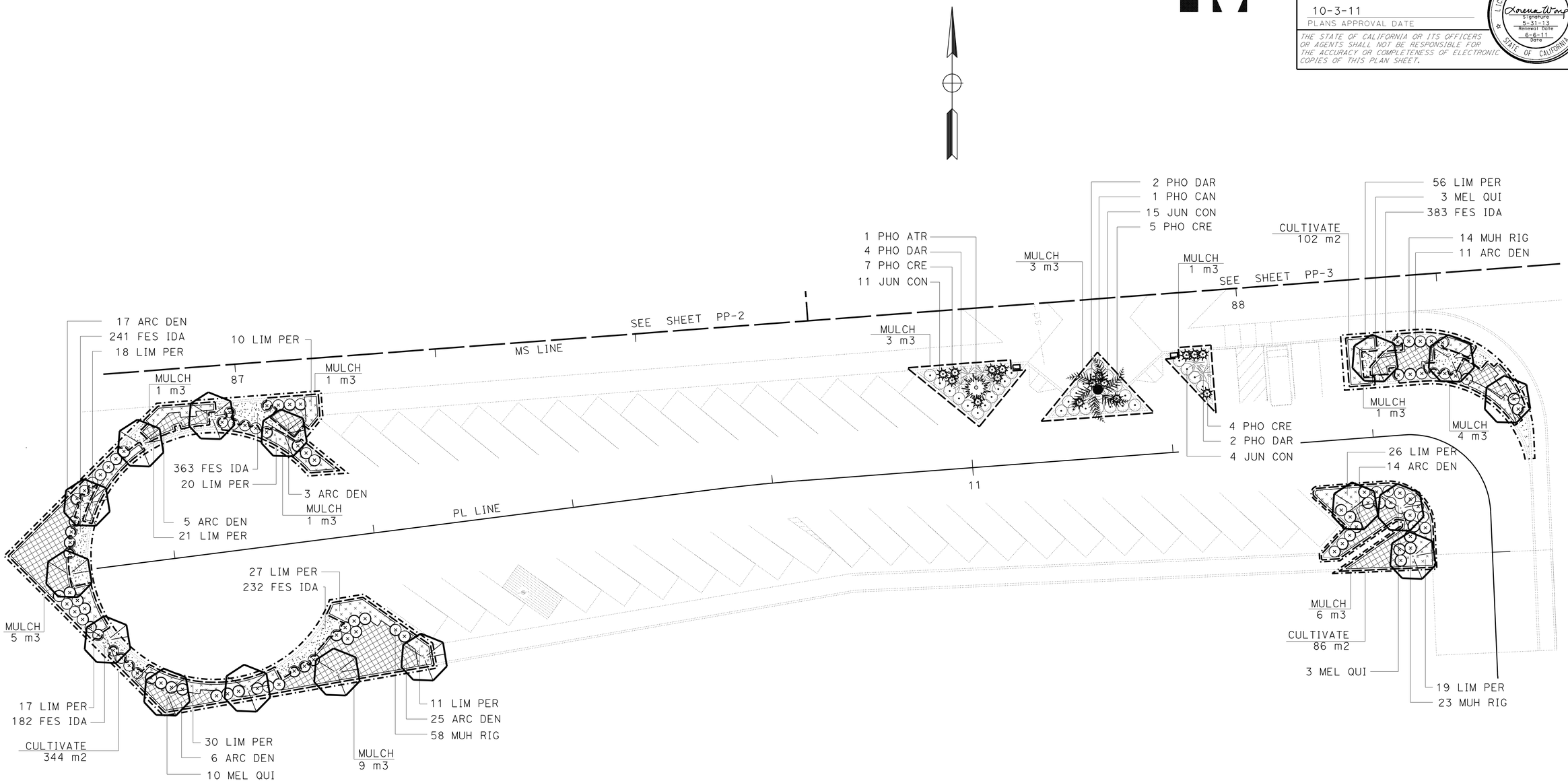
Caltrans Metric

Lorena Wong
LICENSED LANDSCAPE ARCHITECT

10-3-11
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT LORENA WONG No. 3024 Signature 5-31-13 Renewal Date 6-6-11 Date 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.



THIS PLAN ACCURATE FOR PLANTING WORK ONLY.

PLANTING PLAN

SCALE 1:200 **PP-10**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: LORENA WONG
CALCULATED-DESIGNED BY: BARBARA B DEANDA
CHECKED BY: FELIX ONUKWUGHA
REVISED BY
DATE REVISED

LAST REVISION 06-27-11
DATE PLOTTED => 06-OCT-2011
TIME PLOTTED => 06:36

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	175	744

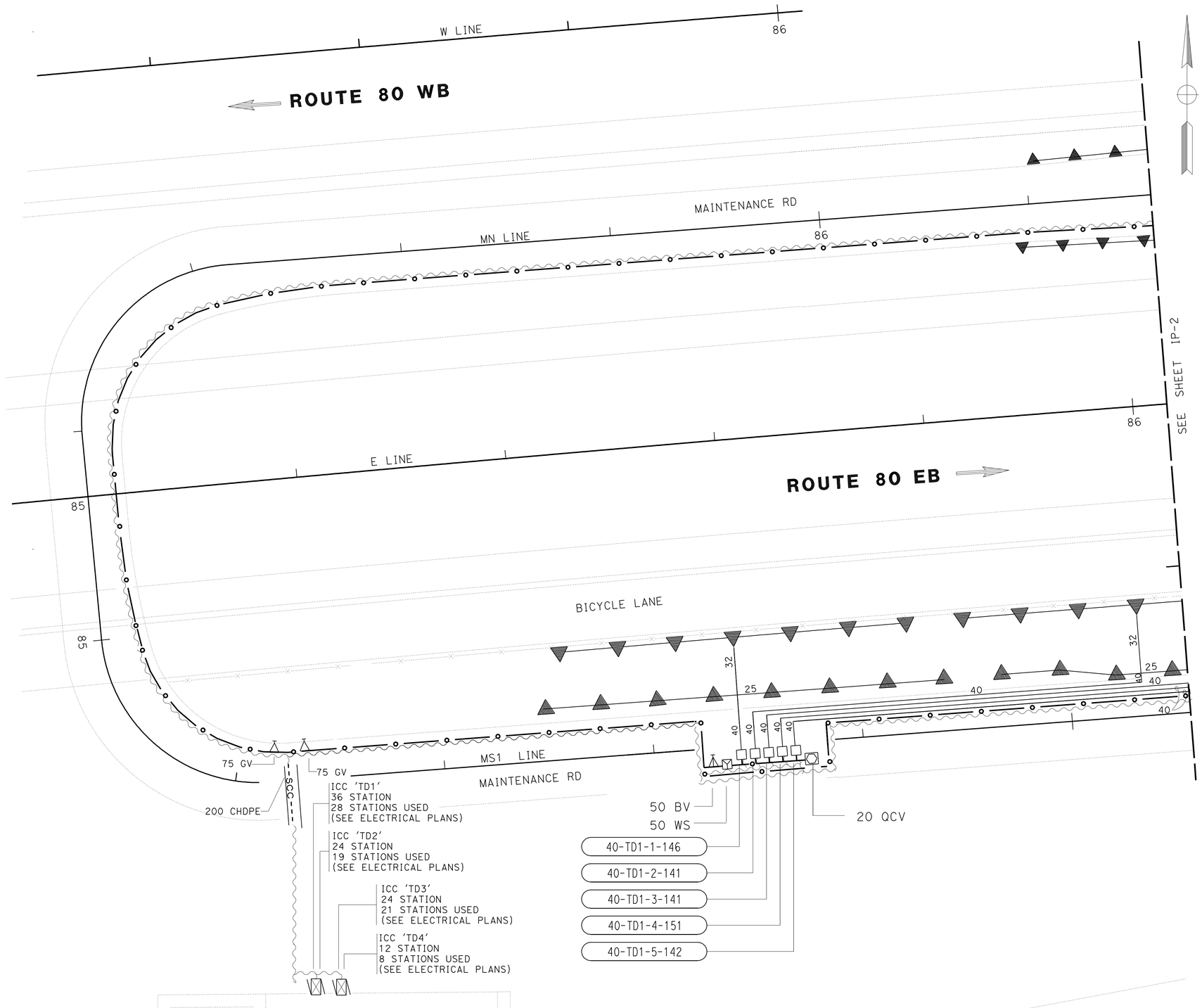
Caltrans Metric

Lorena Wong
LICENSED LANDSCAPE ARCHITECT

10-3-11
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
LORENA WONG No. 5304
Lorena Wong
Signature
5-31-13
Renewal Date
6-6-11
Date
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.



THIS PLAN ACCURATE FOR IRRIGATION WORK ONLY.

IRRIGATION NOTES:

1. ALL IRRIGATION EQUIPMENT SIZES ARE SHOWN IN MILLIMETERS (DIAMETER NOMINAL) UNLESS OTHEWISE NOTED.
2. PLASTIC PIPE (SUPPLY LINE) (MAIN) SHALL BE 75 MM PVC (PR 200), UNLESS OTHERWISE NOTED.
3. PLASTIC PIPE (SUPPLY LINE) (LATERAL) DOWNSTREAM FROM VALVES SHALL BE 20 MM PVC (PR 200), UNLESS OTHERWISE NOTED.
4. PLASTIC PIPE (SUPPLY LINE) (MAIN), SERVING REMOTE CONTROL VALVES (RCV) DOWNSTREAM OF BALL VALVES (BV) OR GATE VALVES (GV) SHALL BE 50 MM PVC (PR 200), UNLESS OTHERWISE NOTED.
5. QUICK COUPLING VALVES (QCV) SHALL BE 20 MM INSTALLED ON A SWING JOINT (TYPE I) WITH A SPRINKLER PROTECTOR (TYPE I), UNLESS OTHERWISE NOTED.
6. SPRINKLER (TYPE C-2), WHEN LOCATED ON SLOPES, SHALL BE INSTALLED ON THE UPHILL SIDE OF THE PLANT BASIN.
7. PLANTS TO RECEIVE TYPE C-2 SPRINKLERS SHALL HAVE THE FOLLOWING DISCHARGE RATE:

PLANT (GROUP)	NO. TYPE C-2 SPRINKLER	DISCHARGE RATE/SPRINKLER
A	1	0.95 L/MIN
B	1	0.95 L/MIN
K	2	1.9 L/MIN
U	1	1.9 L/MIN
Z	4	1.9 L/MIN

8. SEE LAYOUT PLANS AND SUMMARY OF QUANTITY SHEETS FOR LOCATION AND INFORMATION ON IRRIGATION CROSSOVERS AND CONDUIT SHOWN AS EXISTING ON THESE SHEETS.
9. SEE DETAIL FOR FLUSH VALVE AND AIR RELEASE VALVE (ARV) LOCATIONS.

LEGEND:

—∘——∘— RECYCLED WATER MAIN LINE

IRRIGATION PLAN
SCALE 1:200 **IP-1**

REVISED BY	RD
DATE REVISED	6-16-11
CALCULATED-DESIGNED BY	BARBARA B DEANDA
CHECKED BY	FELIX ONJUKWUGHA
SENIOR LANDSCAPE ARCHITECT	LORENA WONG

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

LAST REVISION 06-27-11
DATE PLOTTED => 06-OCT-2011
TIME PLOTTED => 06:36

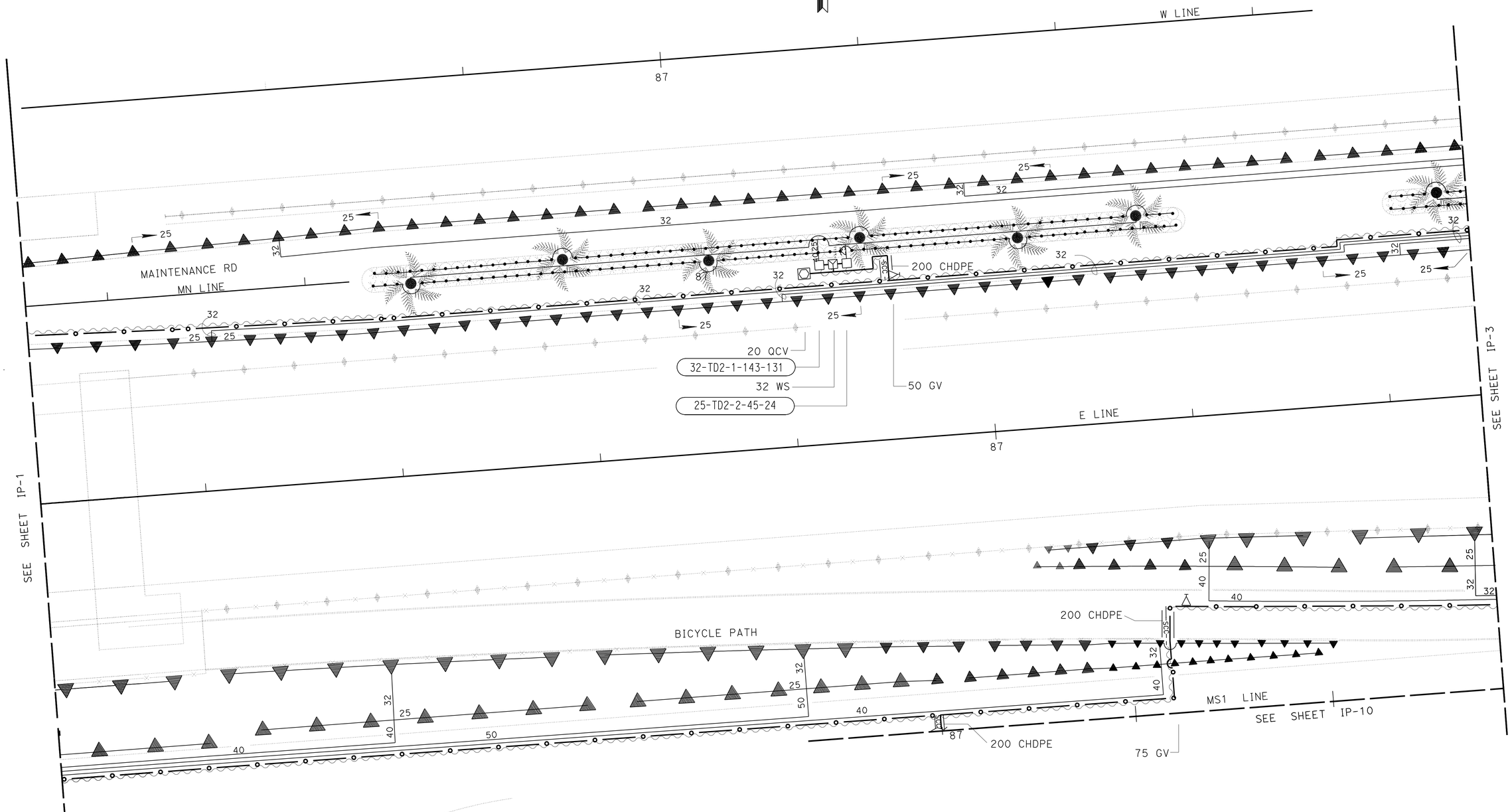
Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	176	744

Lorena Wong
LICENSED LANDSCAPE ARCHITECT

10-3-11
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
LORENA WONG NO. 5354
Lorena Wong
Signature
5-31-13
Renewal Date
6-6-11
Date
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.



THIS PLAN ACCURATE FOR IRRIGATION WORK ONLY.

IRRIGATION PLAN

SCALE 1:200

IP-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: LORENA WONG

CALCULATED-DESIGNED BY: BARBARA B DEANDA
CHECKED BY: FELIX ONUKWUGHA

REVISED BY: RD
DATE REVISED: 6-16-11

LAST REVISION 07-7-11
DATE PLOTTED => 06-OCT-2011
TIME PLOTTED => 06:37

BORDER LAST REVISED 3/1/2007

RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => s121614
DGN FILE => 40120m+1002.dgn

CU 04342

EA 0120M1

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	177	744

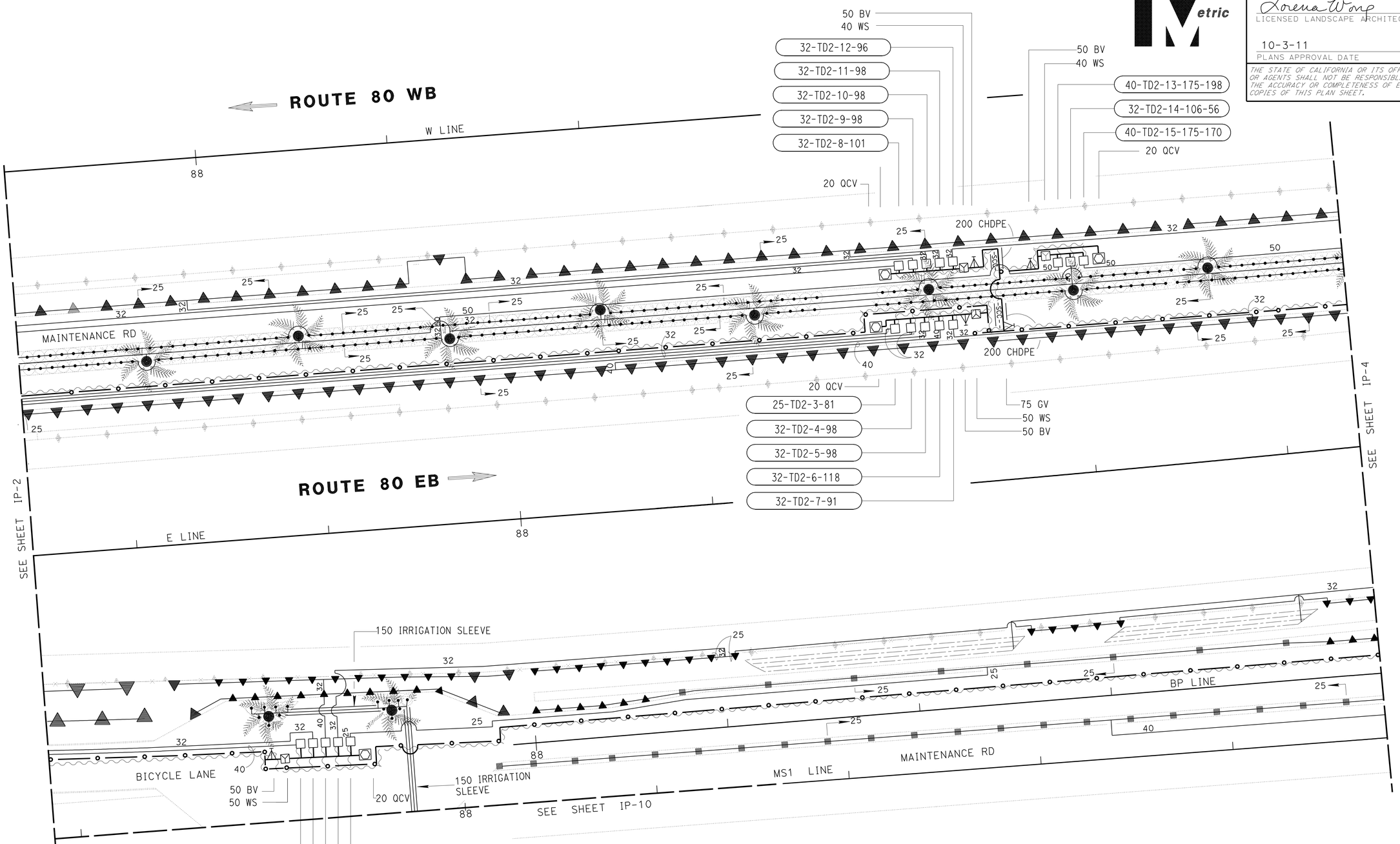
Caltrans Metric

Lorena Wong
LICENSED LANDSCAPE ARCHITECT

10-3-11
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — LORENA WONG NO. 2356 — Signature 5-31-13 Renewal Date 6-6-11 Date — 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.



THIS PLAN ACCURATE FOR IRRIGATION WORK ONLY.

IRRIGATION PLAN

SCALE 1:200

IP-3

REVISED BY	RD
DATE REVISED	6-16-11
CALCULATED-DESIGNED BY	BARBARA B DEANDA
CHECKED BY	FELIX ONUKWUGHA
SENIOR LANDSCAPE ARCHITECT	LORENA WONG

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

LAST REVISION 06-27-11 | DATE PLOTTED => 06-OCT-2011 | TIME PLOTTED => 06:37

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	178	744

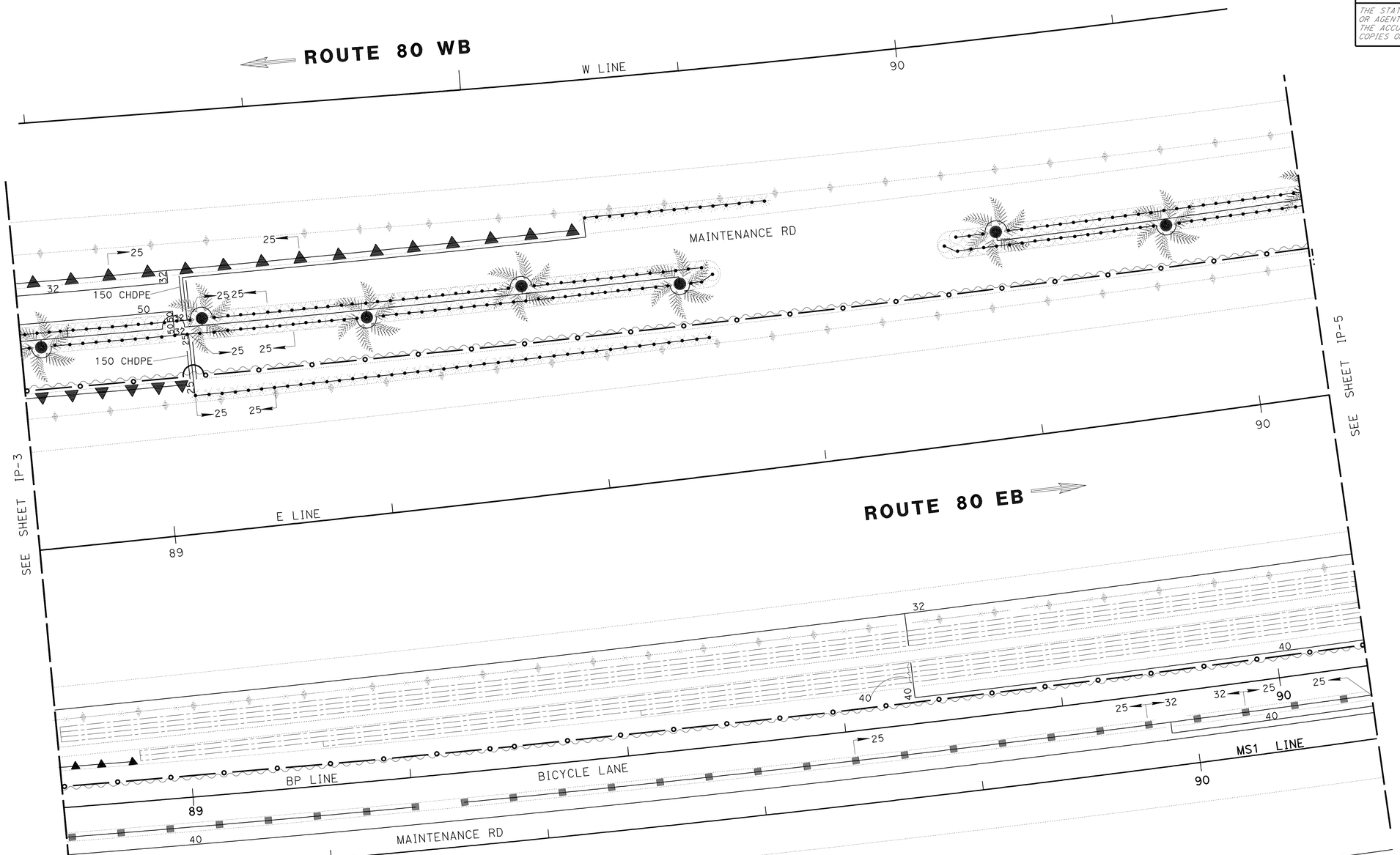
Caltrans Metric

Lorena Wong
LICENSED LANDSCAPE ARCHITECT

10-3-11
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
LORENA WONG NO. 3024
Lorena Wong
Signature
5-31-13
Renewal Date
6-6-11
Date
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.



THIS PLAN ACCURATE FOR IRRIGATION WORK ONLY.

IRRIGATION PLAN

SCALE 1:200

IP-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT

CALCULATED-DESIGNED BY FELIX ONUKWUGHA
CHECKED BY BARBARA B DEANDA
REVISED BY RD
DATE REVISED 6-16-11

LAST REVISION 06-27-11
DATE PLOTTED => 06-OCT-2011
TIME PLOTTED => 06:37

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	179	744

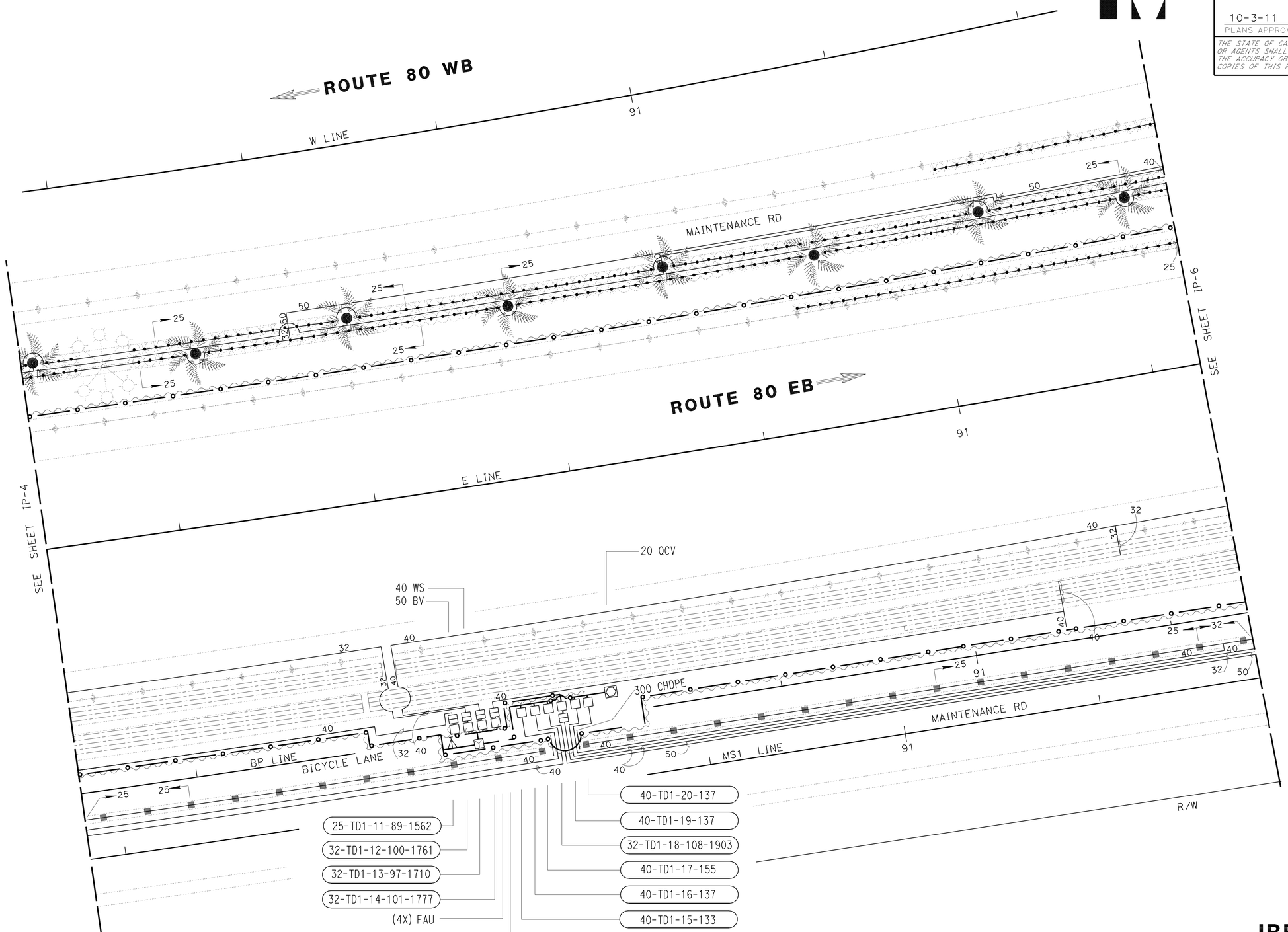
Lorena Wong
LICENSED LANDSCAPE ARCHITECT

10-3-11
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
LORENA WONG No. 3024
Lorena Wong
Signature
5-31-13
Renewal Date
6-6-11
Date
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.

Caltrans Metric



THIS PLAN ACCURATE FOR IRRIGATION WORK ONLY.

IRRIGATION PLAN

SCALE 1:200

IP-5

SENIOR LANDSCAPE ARCHITECT	LORENA WONG
CALCULATED-DESIGNED BY	BARBARA B DEANDA
CHECKED BY	FELIX ONUKWUGHA
REVISED BY	RD
DATE REVISED	6-16-11

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

LAST REVISION 06-28-10
DATE PLOTTED => 06-OCT-2011
TIME PLOTTED => 06:37

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	180	744

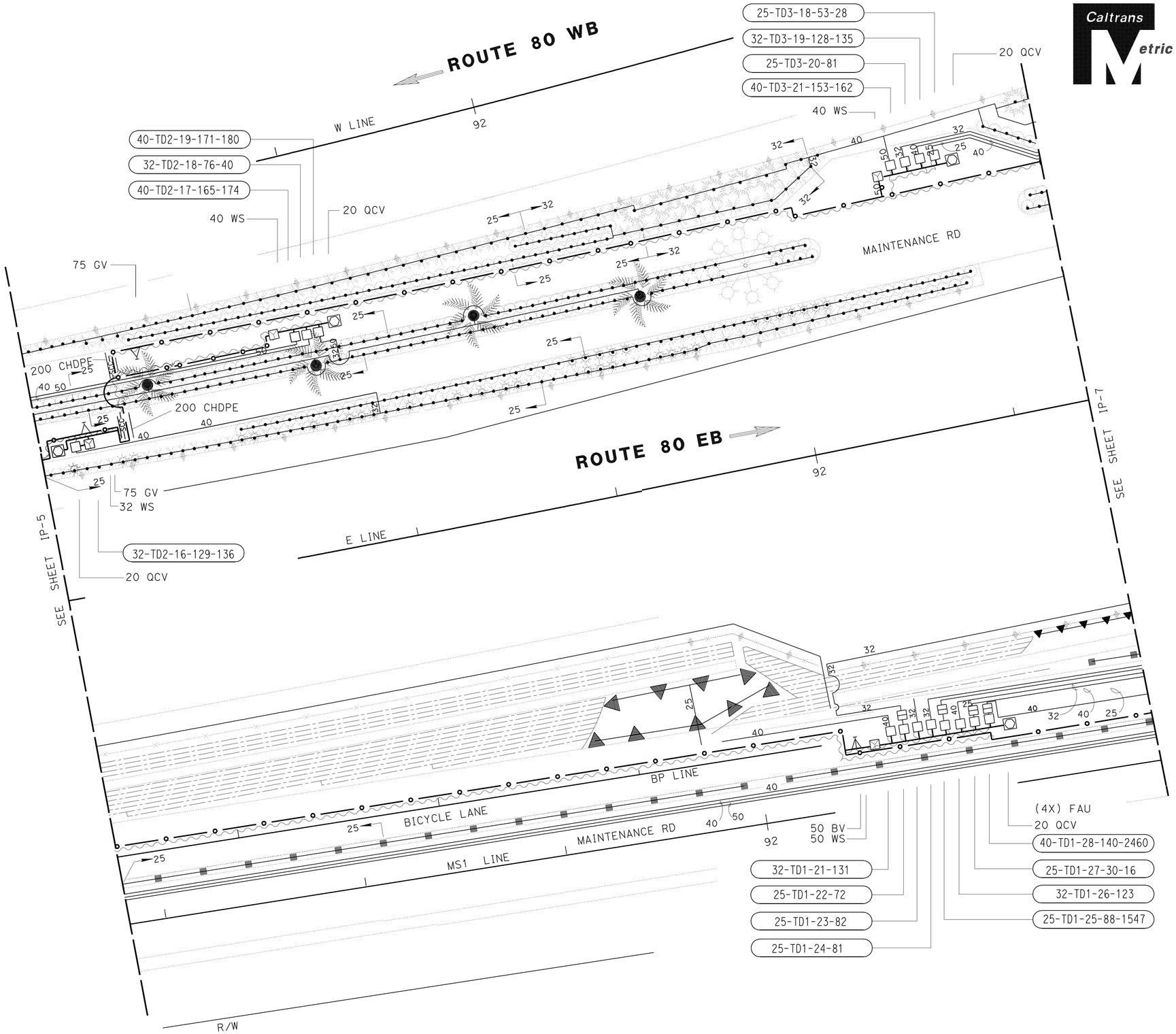
Caltrans Metric

Lorena Wong
LICENSED LANDSCAPE ARCHITECT

10-3-11
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
LORENA WONG No. 3404
Signature 5-31-13 Renewal Date
6-6-11 Date
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.



THIS PLAN ACCURATE FOR PLANTING WORK ONLY.

IRRIGATION PLAN

SCALE 1:200

IP-6

REVISED BY	RD
DATE REVISED	6-16-11
BARBARA B DEANDA	
FELIX ONUKWUGHA	
CALCULATED-DESIGNED BY	
CHECKED BY	
SENIOR LANDSCAPE ARCHITECT	LORENA WONG

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

LAST REVISION 06-28-10
DATE PLOTTED => 06-OCT-2011
TIME PLOTTED => 06:37

BORDER LAST REVISED 3/1/2007

RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => s121614
DGN FILE => 40120mt1006.dgn

CU 04342

EA 0120M1

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	181	744

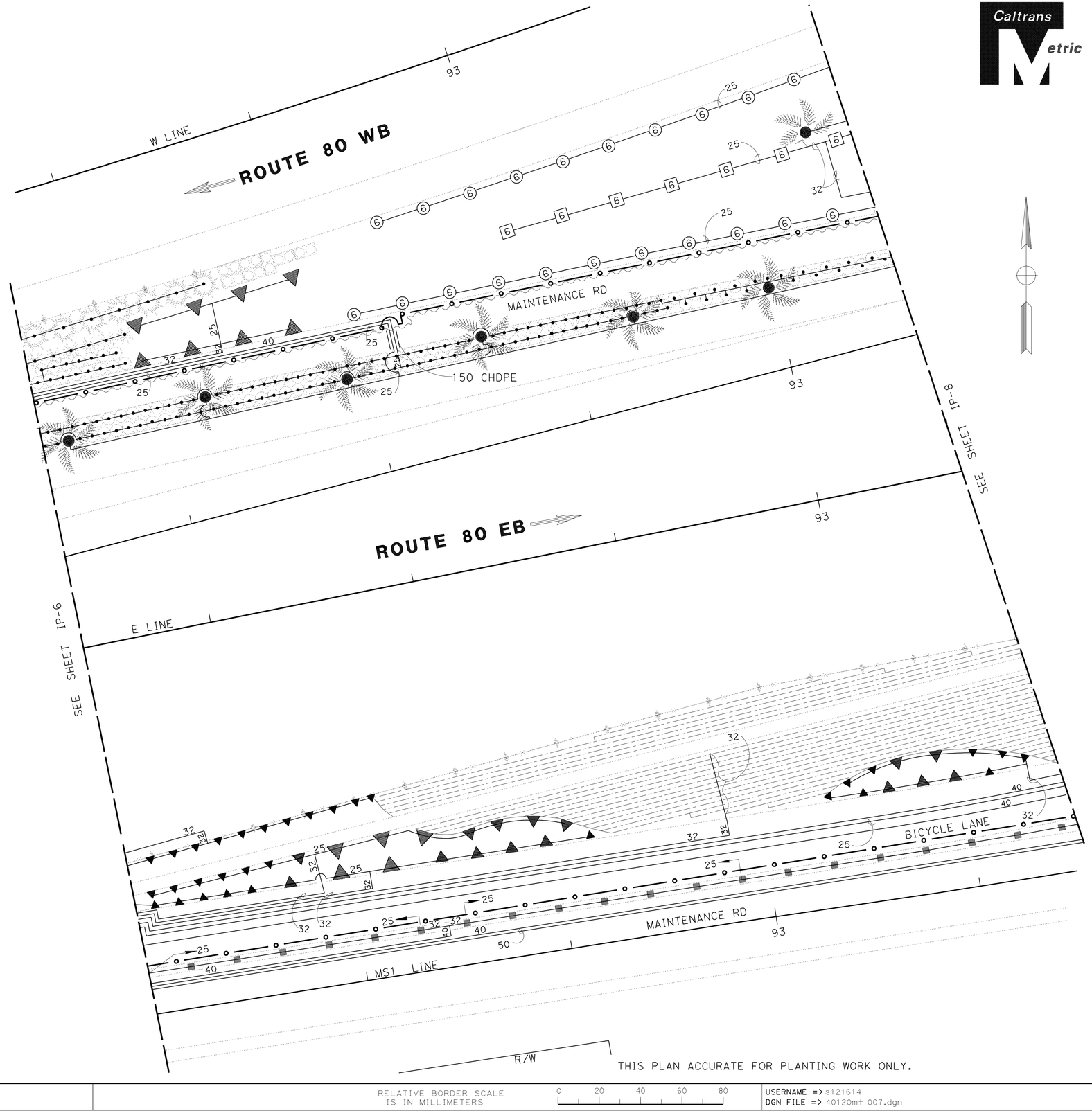
Caltrans Metric

Lorena Wong
LICENSED LANDSCAPE ARCHITECT

10-3-11
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
LANDSCAPE BOND NO.-3024
Lorena Wong
Signature
5-31-13
Renewal Date
6-6-11
Date
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.



THIS PLAN ACCURATE FOR PLANTING WORK ONLY.

IRRIGATION PLAN

SCALE 1:200

IP-7

CALCULATED-DESIGNED BY	BARBARA B DEANDA
CHECKED BY	FELIX ONUKWUGHA
REVISED BY	RD
DATE REVISED	6-16-11

SENIOR LANDSCAPE ARCHITECT
LORENA WONG

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

LAST REVISION 07-14-11 | DATE PLOTTED => 06-OCT-2011 | TIME PLOTTED => 06:38

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	182	744

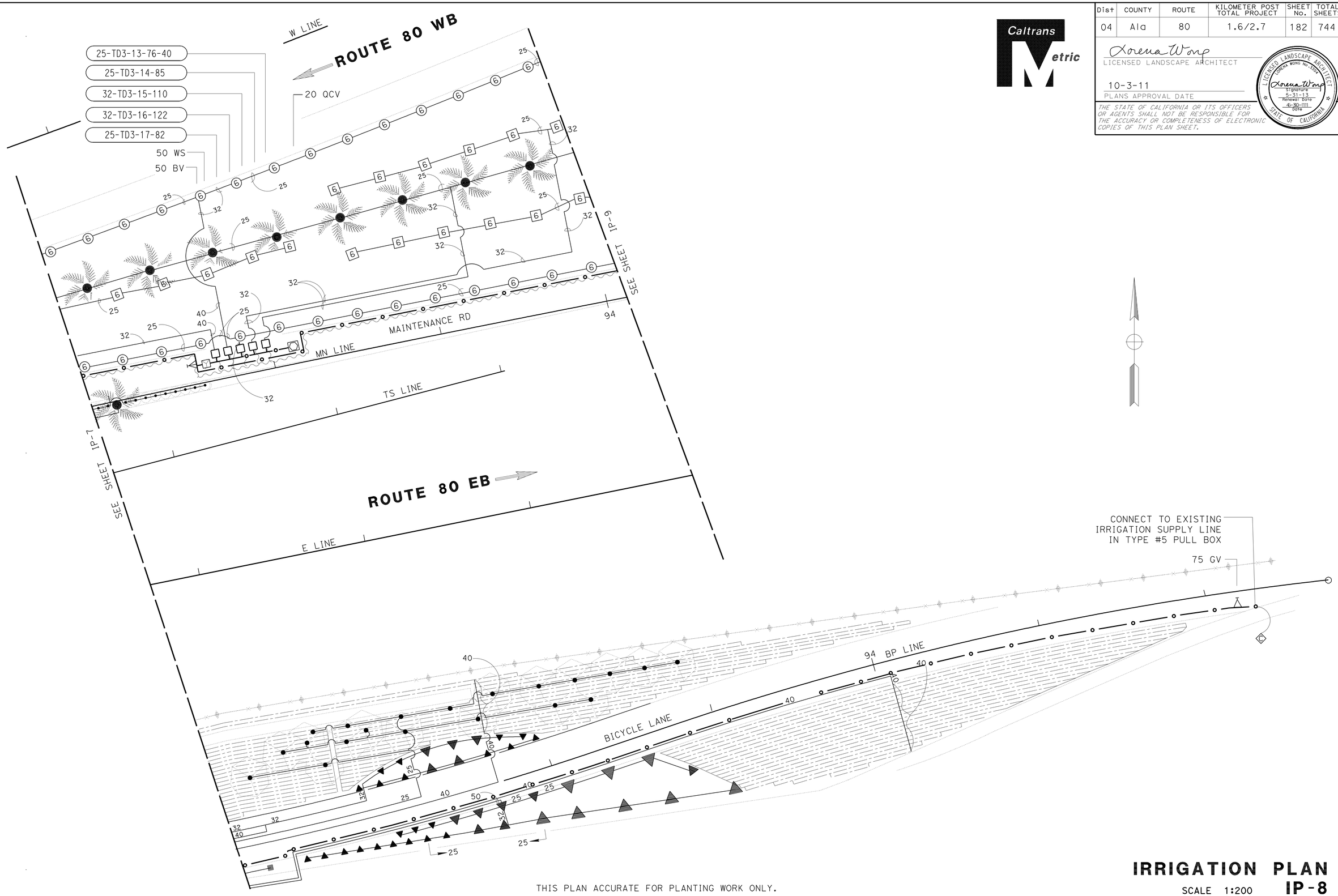
Caltrans Metric

Lorena Wong
LICENSED LANDSCAPE ARCHITECT

10-3-11
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
LORENA WONG No. 4334
Lorena Wong
Signature
5-31-13
Renewal Date
4-30-1111
Date
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.



THIS PLAN ACCURATE FOR PLANTING WORK ONLY.

IRRIGATION PLAN
SCALE 1:200
IP-8

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: LORENA WONG
CALCULATED-DESIGNED BY: BARBARA B DEANDA
CHECKED BY: FELIX ONUKWUGHA
REVISED BY: RD
DATE REVISED: 6-16-11

LAST REVISION 06-27-11
DATE PLOTTED => 06-OCT-2011
TIME PLOTTED => 06:38

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	183	744

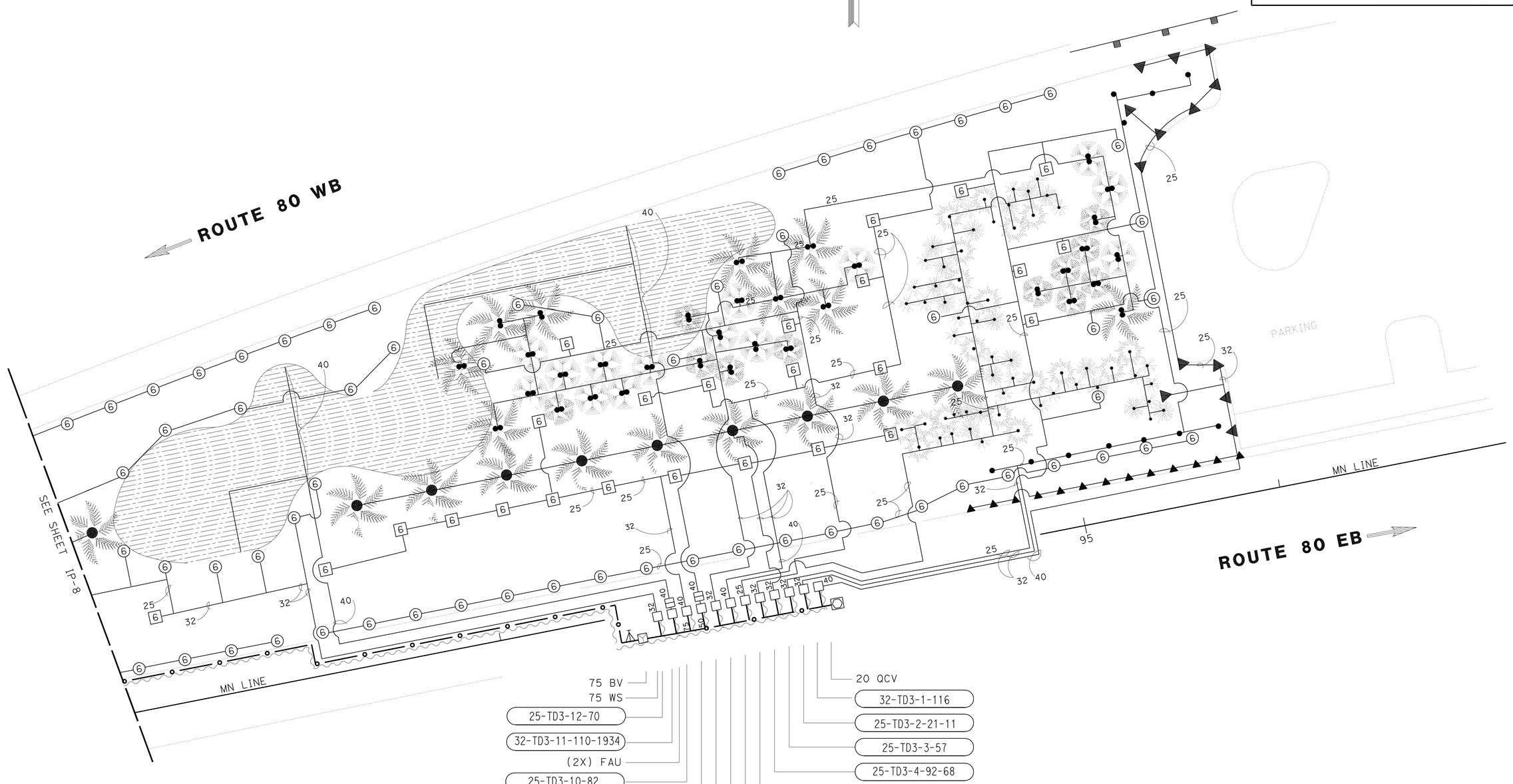
Caltrans Metric

Lorena Wong
LICENSED LANDSCAPE ARCHITECT

10-3-11
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
LORENA WONG No. 5358
Lorena Wong
Signature
5-31-13
Renewal Date
4-30-11
Date
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.



THIS PLAN ACCURATE FOR IRRIGATION WORK ONLY.

IRRIGATION PLAN

SCALE 1:200

IP-9

CALCULATED-DESIGNED BY	BARBARA B DEANDA
CHECKED BY	FELIX ONUKWUGHA
REVISED BY	RD
DATE REVISED	6-16-11

SENIOR LANDSCAPE ARCHITECT
LORENA WONG

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

LAST REVISION 07-14-11
DATE PLOTTED => 06-OCT-2011
TIME PLOTTED => 06:38

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	184	744

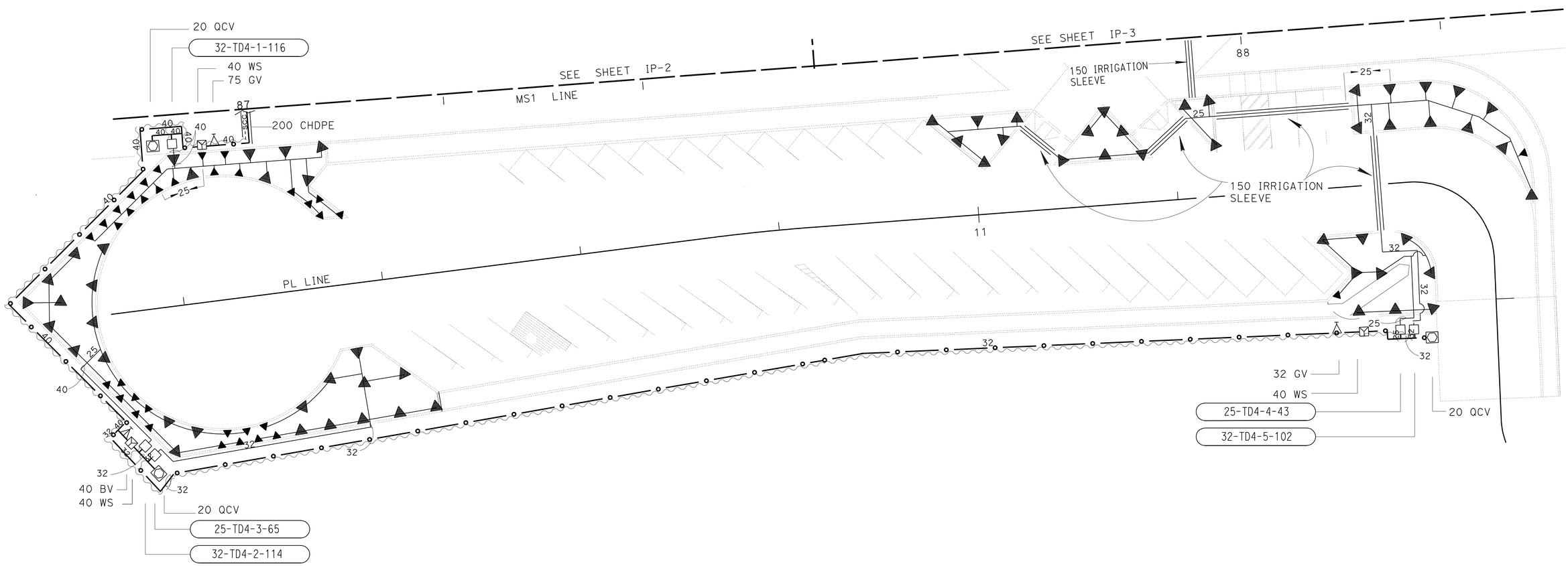
Caltrans Metric

Lorena Wong
LICENSED LANDSCAPE ARCHITECT

10-3-11
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
LORENA WONG NO. 3358
Lorena Wong
Signature
5-31-13
Renewal Date
6-6-11
Date
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.



THIS PLAN ACCURATE FOR IRRIGATION WORK ONLY.

IRRIGATION PLAN IP-10

SCALE 1:200

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: LORENA WONG
CALCULATED-DESIGNED BY: BARBARA B DEANDA
CHECKED BY: FELIX ONUKWUGHA
REVISED BY: RD
DATE REVISED: 6-16-11

LAST REVISION 07-7-11
DATE PLOTTED => 06-OCT-2011
TIME PLOTTED => 06:38

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	185	744

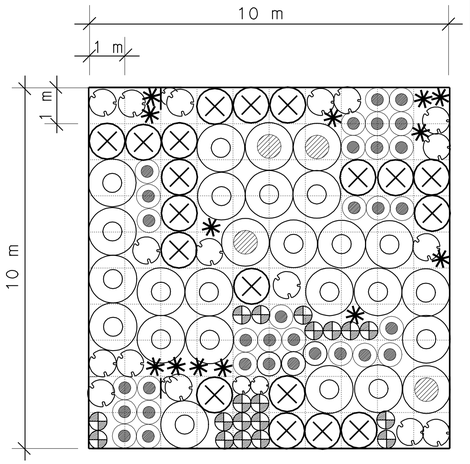
Caltrans Metric

Lorena Wong
LICENSED LANDSCAPE ARCHITECT

10-3-11
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
CINEAR WONG No. 3524
Lorena Wong
Signature
5-31-13
Renewal Date
6-6-11
Date
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.

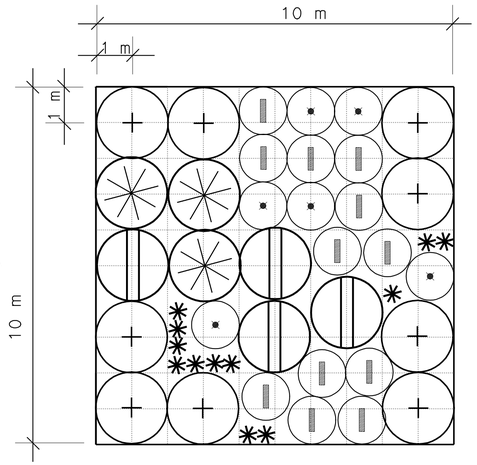


LEGEND

PLANT SYMBOL ON PLANTING PLAN SHEETS CONSISTS OF:

- BACCHARIS PILULARIS 'PIGEON POINT'
- SALVIA 'BEE'S BLISS'
- ARTEMESIA CALIFORNICA 'MONTARA'
- ZAUSCHNERIA CALIFORNIA LATIFOLIA 'EVERETT'S CHOICE'
- LIMONIUM PEREZII
- IRIS DOUGLASIANA HYBRIDS
- OENOTHERA SPECIOSA 'SISKIYOU'

DETAIL 'A'
TYPICAL PLANTING PATTERN

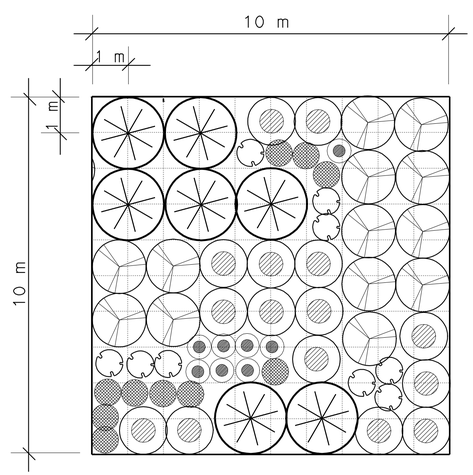


LEGEND

PLANT SYMBOL ON PLANTING PLAN SHEETS CONSISTS OF:

- FREMONTODENDRON 'KEN TAYLOR'
- MYRICA CALIFORNICA
- ARCTOSTAPHYLOS 'HOWARD MCMINN'
- ERIOGONUM GIGANTEUM
- OENOTHERA SPECIOSA 'SISKIYOU'

DETAIL 'C'
TYPICAL PLANTING PATTERN

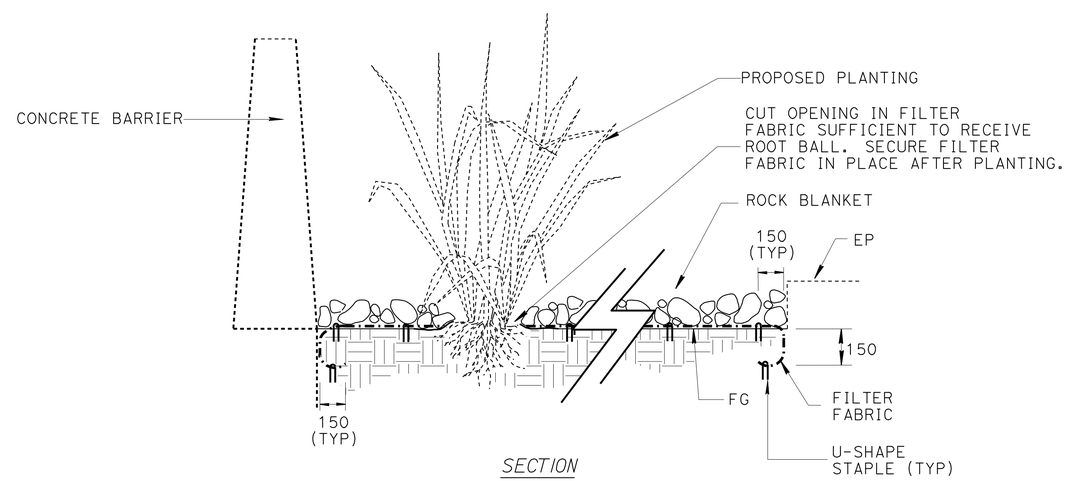


LEGEND

PLANT SYMBOL ON PLANTING PLAN SHEETS CONSISTS OF:

- SALVIA LEUCOPHYLLA 'POINT SAL'
- CEANOTHUS X EXALTATUS 'EMILY BROWN'
- BACCHARIS PILULARIS 'PIGEON POINT'
- ZAUSCHNERIA CALIFORNICA LATIFOLIA 'EVERETT'S CHOICE'
- LIMONIUM PEREZII
- MUHLENBERGIA RIGENS

DETAIL 'B'
TYPICAL PLANTING PATTERN



SECTION

ROCK BLANKET

LANDSCAPE DETAILS

NO SCALE **LD-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: LORENA WONG
DESIGNED BY: BARBARA B DEANDA
CHECKED BY: FELIX ONUKWUGHA
REVISED BY: RD
DATE REVISED: 5-31-11

LAST REVISION 7-14-11
DATE PLOTTED => 06-OCT-2011
TIME PLOTTED => 06:39

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	186	744

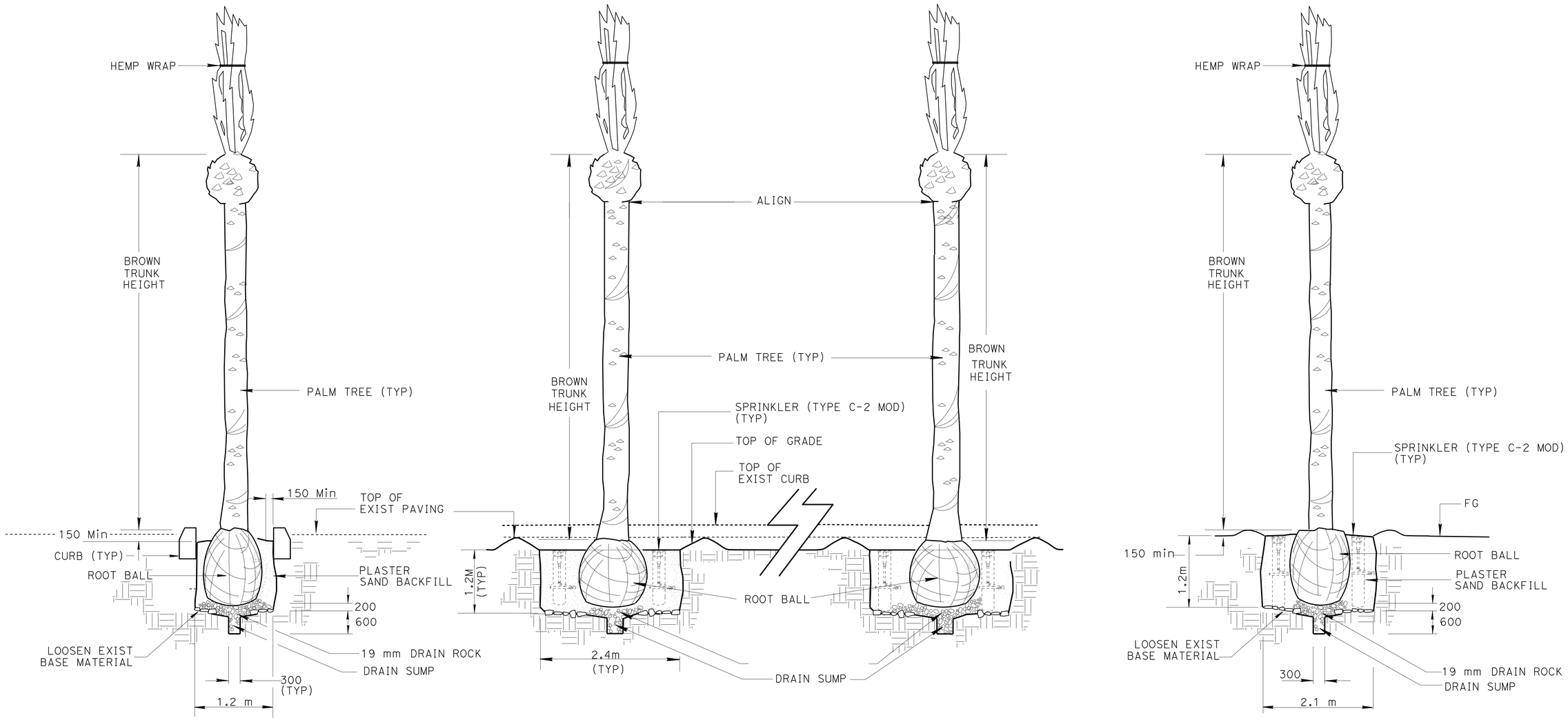
Caltrans Metric

Lorena Wong
LICENSED LANDSCAPE ARCHITECT

10-3-11
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
LORENA WONG No. 3824
Lorena Wong
Signature
5-31-13
Renewal Date
6-6-11
Date
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.



SECTION

LONGITUDINAL SECTION

SECTION

PALM TREE PLANTING AT MEDIAN

TYPICAL PALM TREE PLANTING OUTSIDE MEDIAN

LANDSCAPE DETAILS

NO SCALE **LD-2**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: LORENA WONG
DESIGNED BY: BARBARA B DEANDA
CHECKED BY: FELIX ONUKWUGHA
REVISED BY: RD
DATE REVISED: 5-31-11

LAST REVISION 7-14-11
DATE PLOTTED => 06-OCT-2011
TIME PLOTTED => 06:39

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	187	744

Caltrans Metric

Lorena Wong
LICENSED LANDSCAPE ARCHITECT

10-3-11
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — LORENA WONG NO. 3004 — Lorena Wong — Signature — 5-31-13 Renewal Date — 6-6-11 Date — 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.

SPRINKLER SCHEDULE

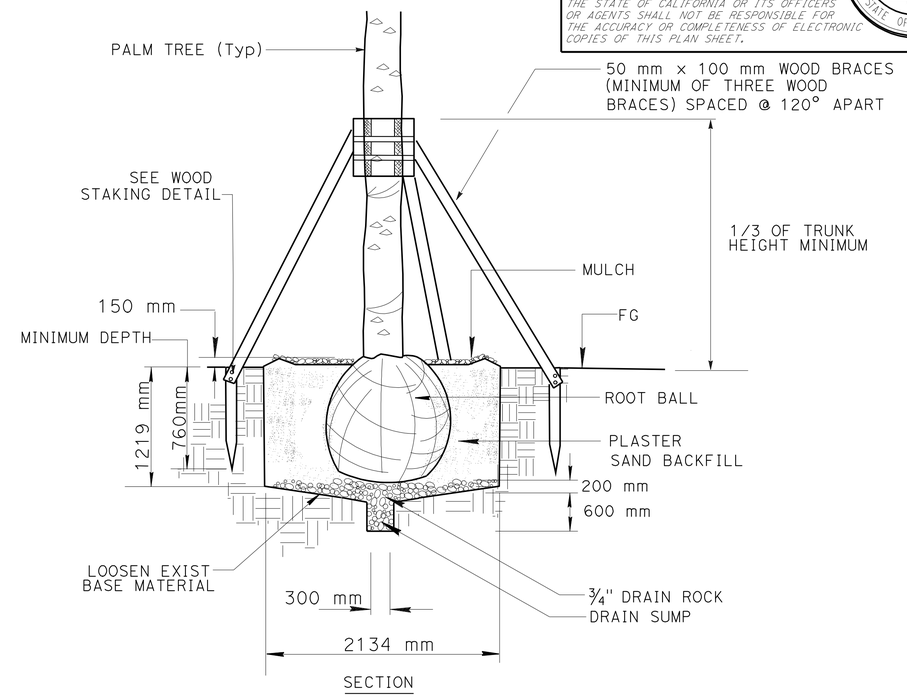
SYMBOL	TYPE	DESCRIPTION	SPRAY PATTERN	OPERATING PRESSURE (KILOPASCAL) (kPa)	PRESSURE COMPENSATING	PLUS / MINUS 5% (2) DISCHARGE: LITERS PER SECOND L/s	LITERS PER MINUTE L/min	LITERS PER HOUR L/h	RADIUS (IN METERS)(m)	WIDTH x LENGTH (IN METERS)(m)	MATERIAL	NOZZLE SIZE	INLET CONNECTION (NPT) (DN IN MILLIMETERS)(mm)	POSITIVE-LOCKING ADJ ARC STOP	BACKSPLASH PREVENTER	BUILT-IN CHECK VALVE	FLOW SHUTOFF DEVICE	ADJ DISCHARGE	RISER: TYPE	MATERIAL: PLASTIC	MATERIAL: GALVANIZED	SIZE (IPS) (IN MILLIMETERS)(mm)	HEIGHT (IN MILLIMETERS)(mm)	SWING JOINT (TYPE)	RISER SUPPORT	SPRINKLER PROTECTOR (TYPE)	REMARKS
(6)	A-6	GEAR DRIVEN ROTOR	P	275	—	—	3.8	—	9.4	—	PL	—	19	—	—	X	X	X	VI	X	—	19	—	II	—	I	305 mm POP-UP (4)
[6]	A-6	GEAR DRIVEN ROTOR	F	275	—	—	6.8	—	11.0	—	PL	—	19	—	—	X	X	X	VI	X	—	19	—	II	—	I	305 mm POP-UP (4)
▲	B-2	SHRUB SPRAY	VAN	207	X	—	5.0-20.1	—	5.5	—	PL	—	15	—	—	X	X	X	VI	X	—	15	—	II	—	I	305 mm POP-UP
▲	B-2	SHRUB SPRAY	VAN	207	X	—	2.5-9.8	—	3.7	—	PL	—	15	—	—	X	X	X	VI	X	—	15	—	II	—	I	305 mm POP-UP
▲	B-2	SHRUB SPRAY	VAN	207	X	—	2.7-6.4	—	2.4	—	PL	—	15	—	—	X	X	X	VI	X	—	15	—	II	—	I	305 mm POP-UP
■	B-4	STRIP SPRAY	CST	207	X	—	4.6	—	—	1.2 X 9.0	PL	—	15	—	—	X	X	X	VI	X	—	15	—	II	—	I	305 mm POP-UP
•	C-2	FLOOD BUBBLER	—	207	X	—	0.95	—	—	—	PL	—	15	—	—	—	—	—	V	X	—	15	—	—	—	—	WITH FILTER SCREEN
•	C-2	FLOOD BUBBLER	—	207	X	—	1.9	—	—	—	PL	—	15	—	—	—	—	—	V	X	—	15	—	—	—	—	WITH FILTER SCREEN
●	C-2	MODIFIED FLOOD BUBBLER	—	207	X	—	1.9	—	—	—	PL	—	15	—	—	—	—	—	II	X	—	15	—	II	—	—	4 SPRINKLER AT EACH LOCATION WITH FILTER SCREEN
- - -	D-3	INLINE EMITTERS	—	241	X	—	—	3.5	—	—	PL	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	INLINE EMITTERS 457mm ON CENTER

APPLICABLE WHEN CIRCLED BELOW: X IN BOX DENOTES REQUIREMENT

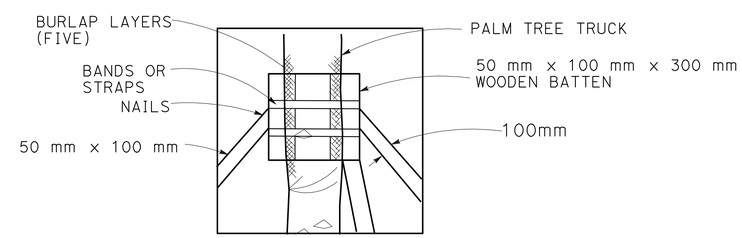
1 - See Special Provisions.
(2) - If a pressure compensating device is specified, the discharge and radii shown reflect its use.
3 - Swing joints required adjacent to shoulders, curbs, sidewalks, and dikes.
(4) - Angle of trajectory 10°.
5 - Unless otherwise shown on plans.

ABBREVIATIONS

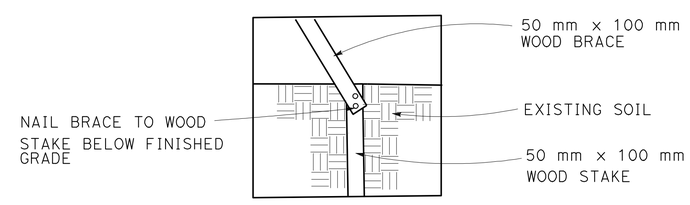
ADJ — adjustable
B/B — brass/bronze
B/B/PL — brass/bronze/plastic
B/PL — brass/plastic
CST — center strip
DN — diameter nominal
EST — end strip
F — full circle
F/P — full/part circle
H — half circle
IPS — iron pipe size
kPa — kilopascal
L/h — liters per hour
L/min — liters per minute
L/s — liters per second
m — meters
mm — millimeters
NPT — national pipe thread
P — part circle
PL — plastic
Q — quarter circle
SST — side strip
T — third circle
TQ — three quarter circle
TT — two thirds circle
VAN — variable arc nozzle
W — width of coverage



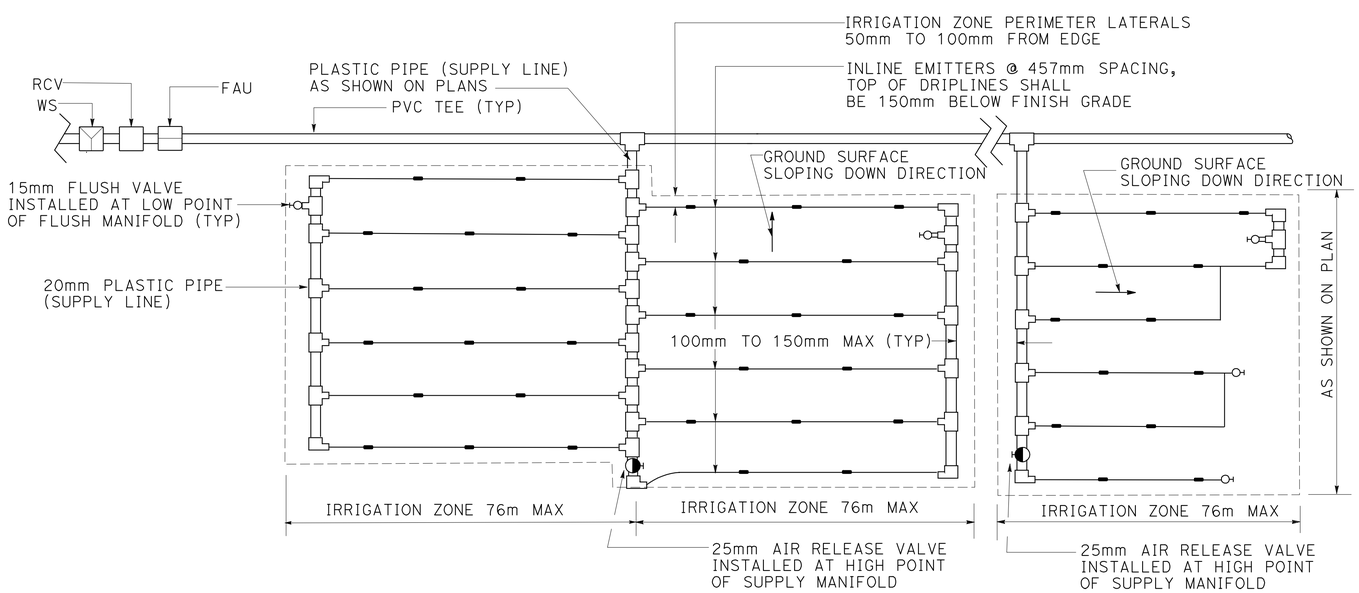
PALM TREE STAKING



WOOD BATTEN



WOOD STAKING



INLINE EMITTERS ZONE'S LAYOUT

SPRINKLER SCHEDULE AND LANDSCAPE DETAILS

NO SCALE

LD-3

REVISED BY	DATE REVISED
RD	5-31-11

CALCULATED-DESIGNED BY: BARBARA B DEANDA
CHECKED BY: FELIX ONJUKWUGHA
SENIOR LANDSCAPE ARCHITECT: LORENA WONG

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

LAST REVISION 7-14-11
DATE PLOTTED => 06-OCT-2011
TIME PLOTTED => 06:39

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	188	744

Caltrans Metric

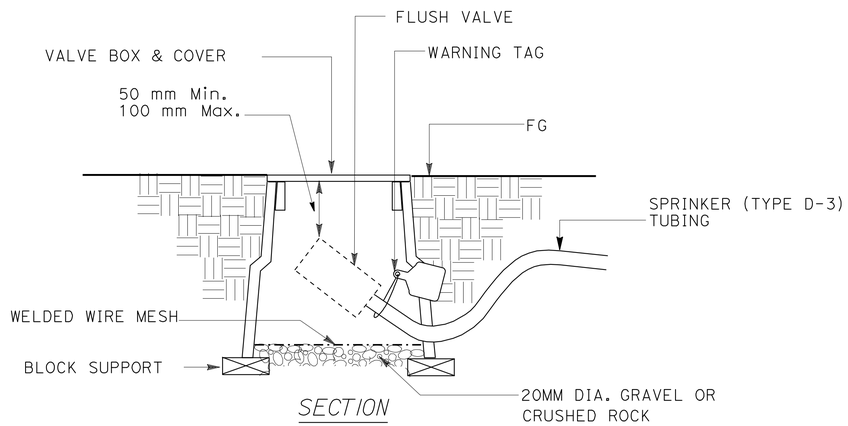
Lorena Wong
LICENSED LANDSCAPE ARCHITECT

10-3-11
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
LORENA WONG NO. 3504
Lorena Wong
Signature
5-31-13
Renewal Date
6-6-11
Date
STATE OF CALIFORNIA

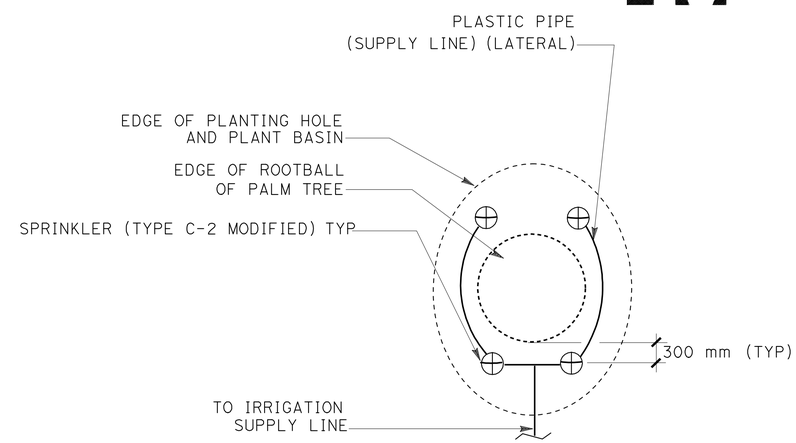
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

NOTE: ALLOW ADDITIONAL LENGTH OF TUBING INSIDE VALVE BOX IN ORDER TO DIRECT FLUSHED WATER OUTSIDE VALVE BOX

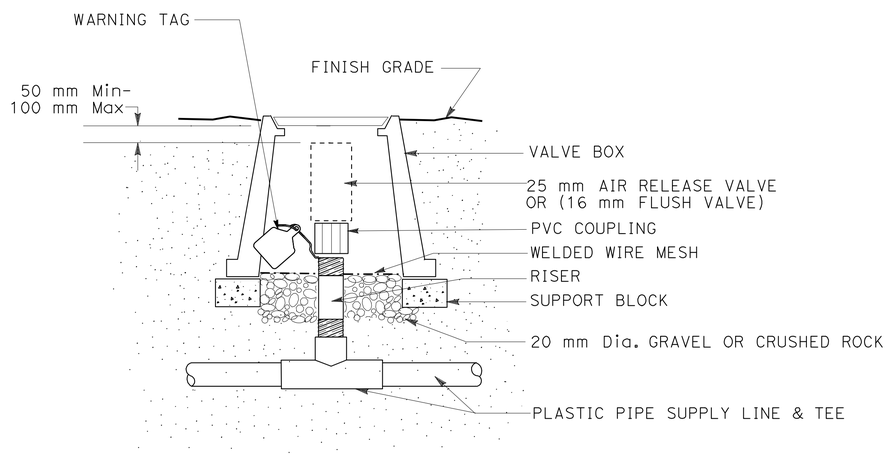


SECTION

FLUSH VALVE AT END OF DRIPLINE

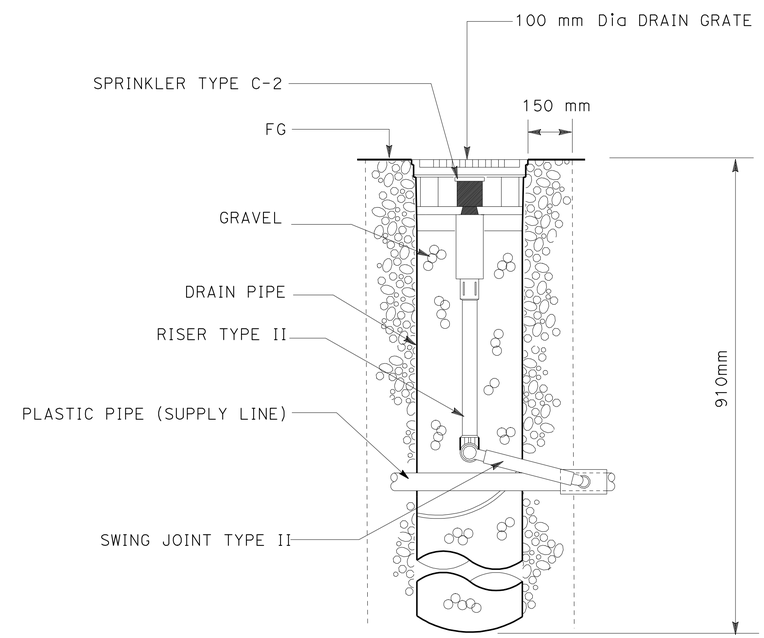


PLAN



SECTION

AIR RELEASE OR FLUSH VALVE ON PLASTIC PIPE MANIFOLD



SECTION

SPRINKLER (TYPE C-2) MODIFIED

LANDSCAPE DETAILS

NO SCALE **LD-4**

REVISED BY	DATE REVISED
RD	5-31-11

DESIGNED BY BARBARA B DEANDA
CHECKED BY FELIX ONUKWUGHA
SENIOR LANDSCAPE ARCHITECT LORENA WONG

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

LAST REVISION 7-14-11
DATE PLOTTED => 06-OCT-2011
TIME PLOTTED => 06:39

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	189	744

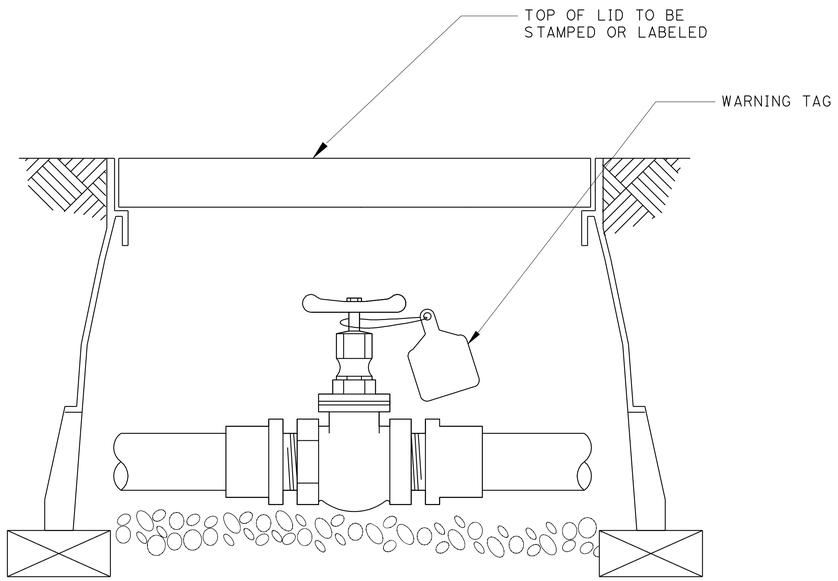
Caltrans Metric

Lorena Wong
LICENSED LANDSCAPE ARCHITECT

10-3-11
PLANS APPROVAL DATE

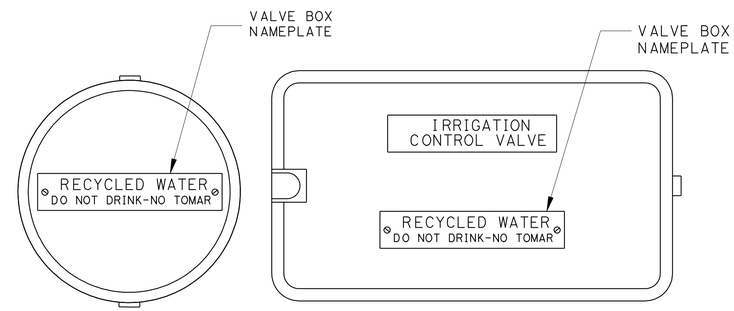
LICENSED LANDSCAPE ARCHITECT
LORENA WONG No. 3304
Lorena Wong
Signature
5-31-13
Renewal Date
6-22-11
Date
STATE OF CALIFORNIA

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.



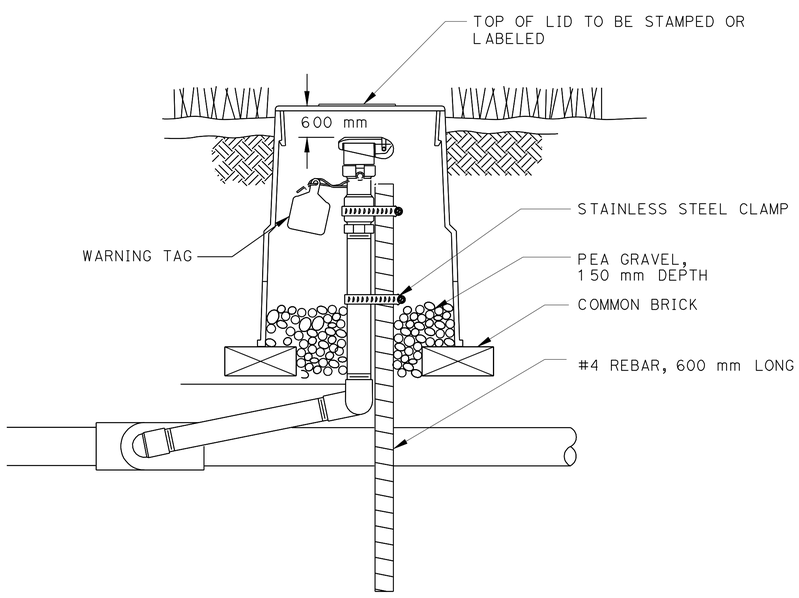
SECTION

GATE VALVE DETAIL



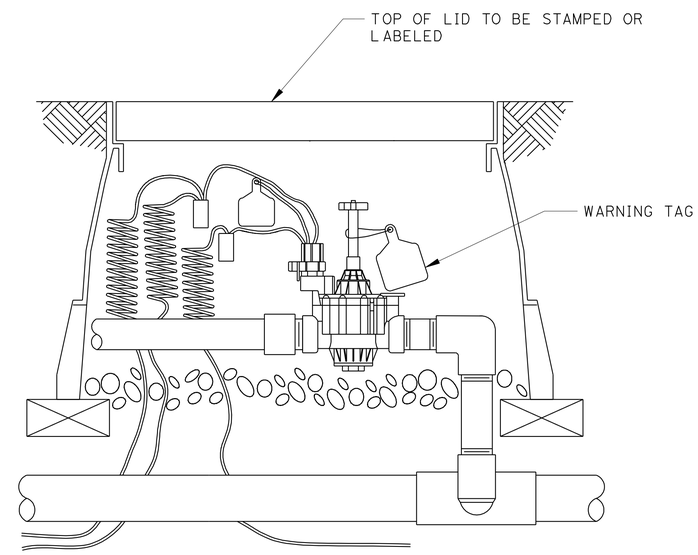
PLAN VIEW

IRRIGATION BOX COVERS/LIDS



SECTION

QUICK COUPLING VALVE DETAIL



SECTION

REMOTE CONTROL VALVE DETAIL

LANDSCAPE DETAILS

NO SCALE **LD-5**

CALCULATED-DESIGNED BY	BARBARA B DEANDA	REVISED BY FO
CHECKED BY	FELIX ONUKWUGHA	DATE REVISED 05/26/11
SENIOR LANDSCAPE ARCHITECT	LORENA WONG	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

LAST REVISION 7-14-11
DATE PLOTTED => 06-OCT-2011
TIME PLOTTED => 06:39

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	190	744

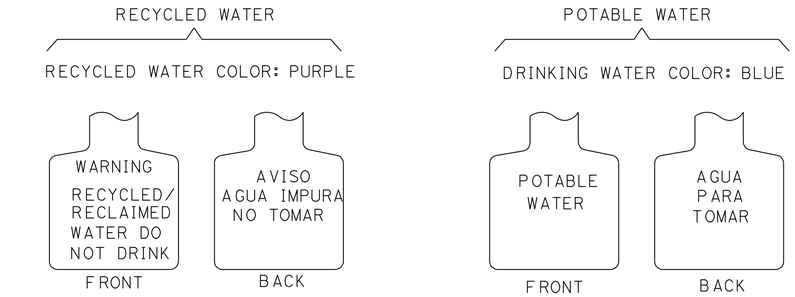
Caltrans Metric

Lorena Wong
LICENSED LANDSCAPE ARCHITECT

10-3-11
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — LORENA WONG No. 3304 — Lorena Wong — Signature — 5-31-13 Renewal Date — 6-22-11 Date — STATE OF CALIFORNIA

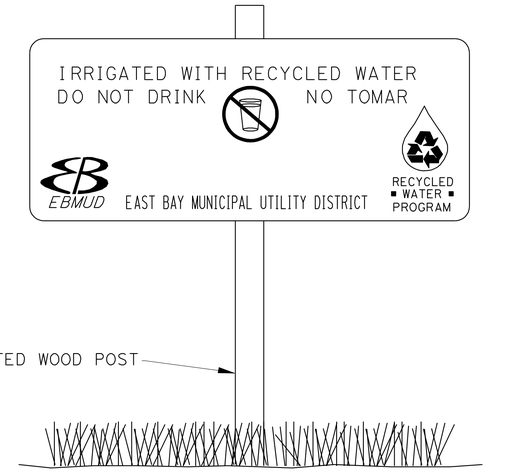
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.



SAMPLE WARNING TAG. BACKGROUND PURPLE (PANTONE 512) WITH BLACK LETTERING.

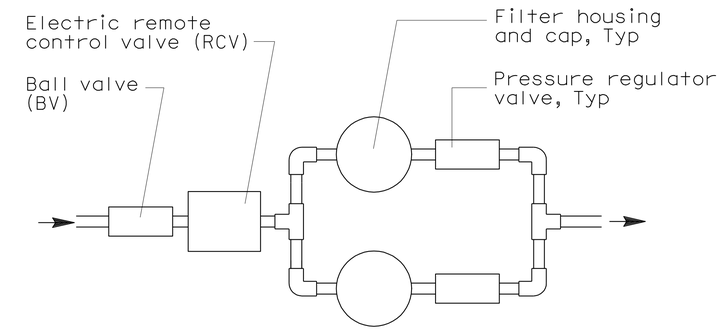
SECTION

WARNING TAG DETAIL



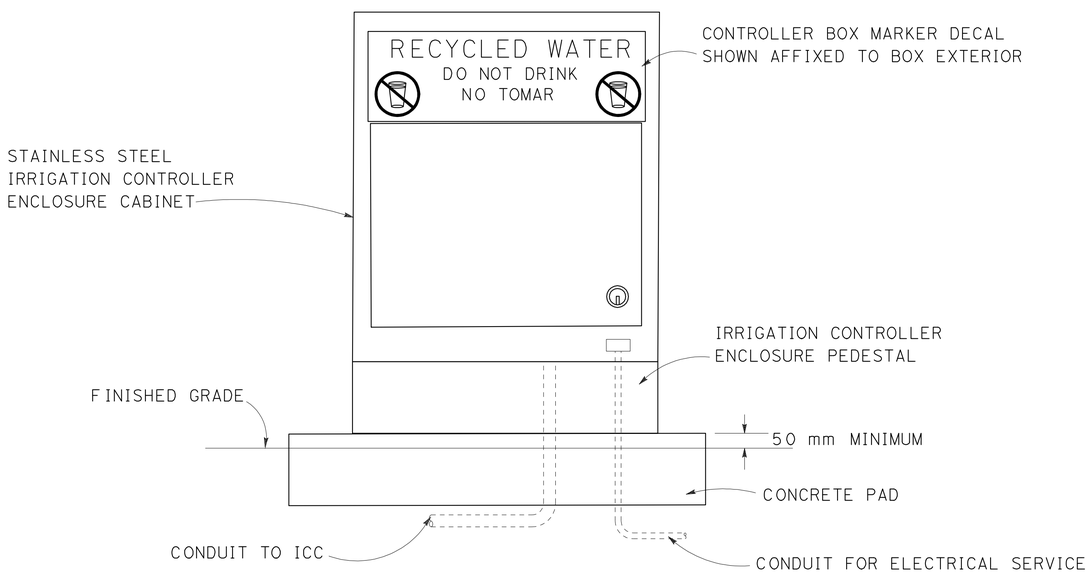
SECTION

ADVISORY SIGN DETAIL



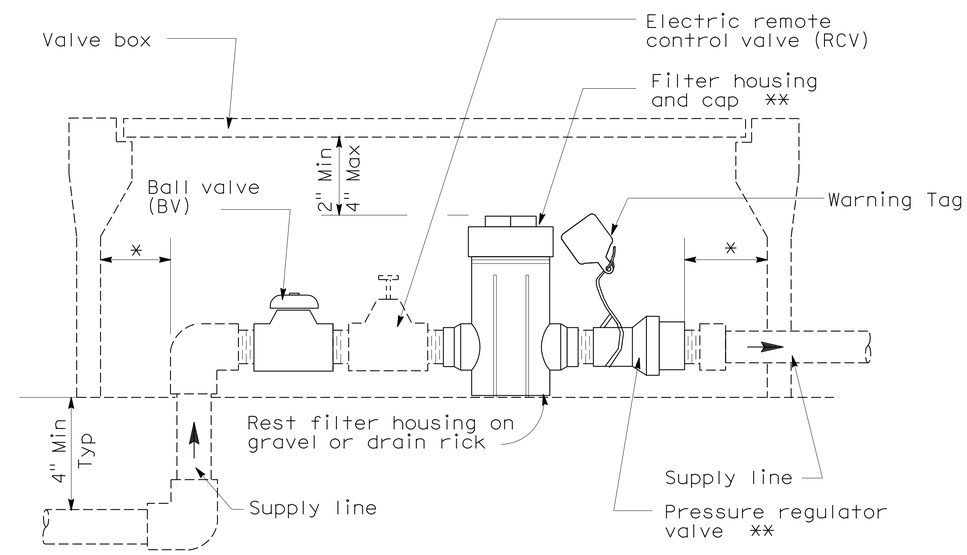
SCHEMATIC PLAN

** Use 2 filter housings and pressure regulator valves for flow rate greater than 20 GPM



SECTION / ELEVATION

CONTROLLER BOX MARKER DETAIL



* 2" Clearance on all sides

ELEVATION

FILTER ASSEMBLY UNIT

LANDSCAPE DETAILS

NO SCALE **LD-6**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: LORENA WONG
CALCULATED-DESIGNED BY: BARBARA B DEANDA
CHECKED BY: FELIX ONUKWUGHA
REVISED BY: FO
DATE REVISED: 05/26/11

LAST REVISION 07-11-11
DATE PLOTTED => 06-OCT-2011
TIME PLOTTED => 06:40

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	191	744

REGISTERED ELECTRICAL ENGINEER 05/02/11

PLANS APPROVAL DATE 10-3-11

REGISTERED PROFESSIONAL ENGINEER DAVID H. OTO No. 10699 Exp. 06/30/2013 ELECTRICAL 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.

PB AMERICAS, Inc.
303 Second St., Suite 700N
San Francisco, CA 94107-1317

Caltrans Metric

DRAWING TITLE	DRAWING NO.
ELECTRICAL SHEET INDEX	E-1 TO E-3
ELECTRICAL SYMBOLS	E-4
ELECTRICAL SYMBOLS AND ABBREVIATIONS	E-5
ELECTRICAL NOTES AND ABBREVIATIONS	E-6
ELECTRICAL KEY MAP	E-7
ROADWAY AND GIRDER LEVEL EASTBOUND (LIGHTING AND ELECTRICAL SYSTEMS) FRAME 1	E-8, E-9
ROADWAY AND GIRDER LEVEL EASTBOUND (LIGHTING AND ELECTRICAL SYSTEMS) FRAME 2	E-10, E-11
ROADWAY AND GIRDER LEVEL EASTBOUND (LIGHTING AND ELECTRICAL SYSTEMS) FIBER OPTIC INSTALLATION FRAME 2	E-12
ROADWAY AND GIRDER LEVEL EASTBOUND (LIGHTING AND ELECTRICAL SYSTEMS) SKYWAY STRUCTURES PLAN	E-13 TO E-16
ROADWAY AND GIRDER LEVEL EASTBOUND (LIGHTING AND ELECTRICAL SYSTEMS) FRAME 1	E-17, E-18
ROADWAY AND GIRDER LEVEL EASTBOUND (LIGHTING AND ELECTRICAL SYSTEMS) FRAME 2	E-19, E-20
DETAILS ROADWAY AND GIRDER LEVEL EASTBOUND (PIER E21L) FIBER OPTIC INSTALLATION	E-21
DETAILS ROADWAY AND GIRDER LEVEL EASTBOUND (SERVICE PLATFORM #23W) FIBER OPTIC INSTALLATION	E-22
DETAILS ROADWAY AND GIRDER LEVEL EASTBOUND (PIER E22L) FIBER OPTIC INSTALLATION	E-23
DETAILS ROADWAY AND GIRDER LEVEL EASTBOUND (PIER E22L AT GRADE) FIBER OPTIC INSTALLATION	E-24
DETAILS ROADWAY AND GIRDER LEVEL EASTBOUND (SKYWAY STRUCTURES - SUBSTATION EASTBOUND)	E-25
DETAILS ROADWAY AND GIRDER LEVEL EASTBOUND (SKYWAY STRUCTURES - SERVICE PLATFORM #19E)	E-26
DETAILS ROADWAY AND GIRDER LEVEL EASTBOUND (SKYWAY STRUCTURES - HINGES CE AND DE)	E-27
DETAILS ROADWAY AND GIRDER LEVEL EASTBOUND (SKYWAY STRUCTURES-SERVICE PLATFORM #21E)	E-28
DETAILS ROADWAY AND GIRDER LEVEL EASTBOUND (HINGE EE INTERFACE SKYWAY AND OAKLAND APPROACH STRUCTURES)	E-29
DETAILS ROADWAY AND GIRDER LEVEL EASTBOUND (SERVICE PLATFORM # 22E)	E-30
DETAILS ROADWAY AND GIRDER LEVEL EASTBOUND (HINGE FE AND PIER E20R CONDUIT INSTALLATION)	E-31
DETAILS ROADWAY AND GIRDER LEVEL EASTBOUND (HINGE FE AND PIER E20R SECTION)	E-32

DRAWING TITLE	DRAWING NO.
DETAILS ROADWAY AND GIRDER LEVEL EASTBOUND (PIER E21R CONDUIT INSTALLATION)	E-33
DETAILS ROADWAY AND GIRDER LEVEL EASTBOUND (SERVICE PLATFORM #23E)	E-34
DETAILS ROADWAY AND GIRDER LEVEL EASTBOUND (SERVICE PLATFORM #23E SECTIONS)	E-35
DETAILS ROADWAY AND GIRDER LEVEL EASTBOUND (PIER E22R GIRDER CONDUIT INSTALLATION)	E-36
DETAILS ROADWAY AND GIRDER LEVEL EASTBOUND (PIER E22R CONDUIT PLAN AND ELEVATIONS)	E-37
DETAILS ROADWAY AND GIRDER LEVEL EASTBOUND (TYPICAL BARRIER PULL BOX AND CONDUIT LOCATIONS)	E-38
DETAILS ROADWAY AND GIRDER LEVEL EASTBOUND (LIGHTING POLE CONDUIT LOCATION)	E-39
DETAILS ROADWAY AND GIRDER LEVEL EASTBOUND (CALL BOX CONDUIT LOCATION)	E-40
DETAILS ROADWAY AND GIRDER LEVEL EASTBOUND (TYPICAL BIKE PATH PLAN AND ELEVATION)	E-41
DETAILS ROADWAY AND GIRDER LEVEL EASTBOUND (TYPICAL BIKE PATH LIGHTING DETAILS)	E-42
DETAILS ROADWAY AND GIRDER LEVEL EASTBOUND (TYPICAL PULL BOX SCHEDULES)	E-43
DETAILS ROADWAY AND GIRDER LEVEL EASTBOUND (EMBEDDED CONCRETE INSERT AND CONDUIT RACK)	E-44, E-45
DETAILS ROADWAY AND GIRDER LEVEL EASTBOUND (GIRDER CONDUIT SUPPORTS AND SECTIONS)	E-46 TO E-48
DETAILS ROADWAY AND GIRDER LEVEL EASTBOUND (TYPICAL CONDUIT INSTALLATION AND SECTIONS)	E-49
DETAILS ROADWAY AND GIRDER LEVEL EASTBOUND (UP-271 AND UP-272 PANEL SCHEDULES)	E-50
DETAILS ROADWAY AND GIRDER LEVEL EASTBOUND (LP-281 AND LP-282 PANEL SCHEDULES)	E-51
DETAILS ROADWAY AND GIRDER LEVEL EASTBOUND (480 V ROADWAY LIGHTING WIRING DIAGRAM)	E-52, E-53
DETAILS ROADWAY AND GIRDER LEVEL EASTBOUND (480 V LIGHT PIPE WIRING DIAGRAMS)	E-54, E-55
DETAILS ROADWAY AND GIRDER LEVEL EASTBOUND (120 V BIKE PATH LIGHTING WIRING DIAGRAMS)	E-56
DETAILS ROADWAY AND GIRDER LEVEL EASTBOUND (LIGHTING POLE LOCATION AND BIKE PATH LIGHTING FIXTURE SCHEDULES)	E-57
DETAILS ROADWAY AND GIRDER LEVEL EASTBOUND (GIRDER GROUNDING SYSTEM)	E-58

DRAWING TITLE	DRAWING NO.
DETAILS ROADWAY AND GIRDER LEVEL EASTBOUND (TYPICAL GROUNDING INSTALLATION)	E-59
DETAILS ROADWAY AND GIRDER LEVEL EASTBOUND (TYPICAL ROADWAY LIGHTING POLE AND ANCHORAGE)	E-60
DETAILS ROADWAY AND GIRDER LEVEL EASTBOUND (TYPICAL BIKE PATH LIGHTING INSTALLATION)	E-61
DETAILS ROADWAY AND GIRDER LEVEL EASTBOUND (TYPICAL LIGHT PIPE INSTALLATION 1)	E-62
DETAILS ROADWAY AND GIRDER LEVEL EASTBOUND (TYPICAL LIGHT PIPE INSTALLATION 2)	E-63
DETAILS ROADWAY AND GIRDER LEVEL EASTBOUND (TYPICAL LIGHT PIPE INSTALLATION 3)	E-64
DETAILS ROADWAY AND GIRDER LEVEL EASTBOUND (MISCELLANEOUS DETAILS AT CALL BOX LOCATIONS)	E-65
UNDERGROUND AND ROADWAY AT GRADE (LIGHTING AND ELECTRICAL SYSTEMS) PIER E22 AREA-UNDERGROUND CONDUIT PLAN STAGE 1	E-66
UNDERGROUND AND ROADWAY AT GRADE (LIGHTING AND ELECTRICAL SYSTEMS) WESTBOUND AND EASTBOUND ROADWAY STAGE 1	E-67 TO E-71
UNDERGROUND AND ROADWAY AT GRADE (LIGHTING AND ELECTRICAL SYSTEMS) MOLE SUBSTATION AREA-UNDERGROUND STAGE 1	E-72
UNDERGROUND AND ROADWAY AT GRADE (LIGHTING AND ELECTRICAL SYSTEMS) UNDERGROUND CONDUIT PLAN STAGE 1	E-73 TO E-82
UNDERGROUND AND ROADWAY AT GRADE (LIGHTING AND ELECTRICAL SYSTEMS) UNDERGROUND CONDUIT PLAN- OAKLAND SUBSTATION AREA AND UTILITY TUNNEL STAGE 1	E-83
UNDERGROUND AND ROADWAY AT GRADE (LIGHTING AND ELECTRICAL SYSTEMS) UNDERGROUND CONDUIT PLAN- OAKLAND SUBSTATION AREA AND UTILITY TUNNEL STAGE 1	E-84

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

ELECTRICAL SHEET INDEX

E-1

REVISED BY | DATE REVISED

JEFFRI HALIM | DAVID OTO

CALCULATED-DESIGNED BY | CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR: BRADY NADELL

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

LAST REVISION 08-17-09 | DATE PLOTTED => 06-OCT-2011 | TIME PLOTTED => 06:40

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	192	744

REGISTERED ELECTRICAL ENGINEER 05/02/11

PLANS APPROVAL DATE 10-3-11

REGISTERED PROFESSIONAL ENGINEER DAVID H. OTO No. 10699 Exp. 06/30/2013 ELECTRICAL 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.

PB AMERICAS, Inc.
303 Second St., Suite 700N
San Francisco, CA 94107-1317

Caltrans Metric

DRAWING TITLE	DRAWING NO.
UNDERGROUND AND ROADWAY AT GRADE (LIGHTING AND ELECTRICAL SYSTEMS) CONDUIT PLAN-UTILITY TUNNEL AND ADMINISTRATION BLDG STAGE 1	E-85
UNDERGROUND AND ROADWAY AT GRADE (LIGHTING AND ELECTRICAL SYSTEMS) WESTBOUND AND EASTBOUND ROADWAY STAGE 2	E-86 TO E-88
UNDERGROUND AND ROADWAY AT GRADE (LIGHTING AND ELECTRICAL SYSTEMS) EASTBOUND ROADWAY STAGE 2	E-89 TO E-93
UNDERGROUND AND ROADWAY AT GRADE (LIGHTING AND ELECTRICAL SYSTEMS) WESTBOUND AND EASTBOUND ROADWAY STAGE 3	E-94 TO E-96
UNDERGROUND AND ROADWAY AT GRADE (LIGHTING AND ELECTRICAL SYSTEMS) EASTBOUND ROADWAY STAGE 3	E-97 TO E-103
DETAILS UNDERGROUND AND ROADWAY AT GRADE (MOLE SUBSTATION-EQUIPMENT ARRANGEMENT)	E-104
DETAILS UNDERGROUND AND ROADWAY AT GRADE (MOLE SUBSTATION-CONDUIT AND CABLE TRAY)	E-105
DETAILS UNDERGROUND AND ROADWAY AT GRADE (MOLE SUBSTATION-UNDERGROUND CONDUITS)	E-106
DETAILS UNDERGROUND AND ROADWAY AT GRADE (MANHOLE AND DUCT BANK PLANS)	E-107
DETAILS UNDERGROUND AND ROADWAY AT GRADE (MANHOLE AND DUCT BANK PLANS)	E-108
DETAILS UNDERGROUND AND ROADWAY AT GRADE (SERVICE PAD #24 PLANS)	E-109
DETAILS UNDERGROUND AND ROADWAY AT GRADE (SERVICE PAD #24 SECTIONS)	E-110
DETAILS UNDERGROUND AND ROADWAY AT GRADE (SERVICE PAD #25 PLANS)	E-111
DETAILS UNDERGROUND AND ROADWAY AT GRADE (SERVICE PAD #25 SECTIONS)	E-112
DETAILS UNDERGROUND AND ROADWAY AT GRADE (SERVICE PAD #26 PLANS)	E-113
DETAILS UNDERGROUND AND ROADWAY AT GRADE (BARRIER PULL BOX AND CALL BOX CONDUIT LOCATIONS)	E-114, E-115
DETAILS UNDERGROUND AND ROADWAY AT GRADE (BIKE PATH RAMP CONDUIT PLAN)	E-116
DETAILS UNDERGROUND AND ROADWAY AT GRADE (BIKE PATH LANDING CONDUIT PLAN)	E-117
DETAILS UNDERGROUND AND ROADWAY AT GRADE (BIKEWAY CONDUIT PLAN)	E-118
DETAILS UNDERGROUND AND ROADWAY AT GRADE (TYPICAL MANHOLE AND DUCT BANK)	E-119

DRAWING TITLE	DRAWING NO.
DETAILS UNDERGROUND AND ROADWAY AT GRADE (TYPICAL DUCT BANK SECTIONS)	E-120
DETAILS UNDERGROUND AND ROADWAY AT GRADE (CONDUIT DUCT BANK SECTIONS)	E-121 TO E-123
DETAILS UNDERGROUND AND ROADWAY AT GRADE (MANHOLE PLANS AND SECTIONS)	E-124 TO E-129
DETAILS UNDERGROUND AND ROADWAY AT GRADE (PULL BOX SCHEDULE)	E-130
DETAILS UNDERGROUND AND ROADWAY AT GRADE (GROUNDING SYSTEM INTERFACE)	E-131
DETAILS UNDERGROUND AND ROADWAY AT GRADE (BIKE PATH LANDING LIGHTING ASSEMBLY)	E-132
DETAILS UNDERGROUND AND ROADWAY AT GRADE (MOLE SUBSTATION) 12.47 kV TO 480 V SINGLE LINE DIAGRAM	E-133
DETAILS UNDERGROUND AND ROADWAY AT GRADE (MOLE SUBSTATION) 480 V LVCC-A SINGLE LINE DIAGRAM	E-134
DETAILS UNDERGROUND AND ROADWAY AT GRADE (MOLE SUBSTATION) 480 V LVCC-A ELEVATION AND SCHEDULE	E-135
DETAILS UNDERGROUND AND ROADWAY AT GRADE (MOLE SUBSTATION) 480 V LVCC-B SINGLE LINE DIAGRAM	E-136
DETAILS UNDERGROUND AND ROADWAY AT GRADE (MOLE SUBSTATION) 480 V LVCC-B ELEVATION AND SCHEDULE	E-137
DETAILS UNDERGROUND AND ROADWAY AT GRADE (MOLE SUBSTATION) LVCC-B RELAY CABINET ELEMENTARY DIAGRAM	E-138
DETAILS UNDERGROUND AND ROADWAY AT GRADE (MOLE SUBSTATION) LVCC-B CONNECTION DIAGRAM	E-139
DETAILS UNDERGROUND AND ROADWAY AT GRADE (MOLE SUBSTATION) LVCC-B RELAY CABINET ARRAGEMENT AND CONNECTION DIAGRAM	E-140
DETAILS UNDERGROUND AND ROADWAY AT GRADE (MOLE SUBSTATION) UP-004 AND LP-A PANEL SCHEDULES	E-141
DETAILS UNDERGROUND AND ROADWAY AT GRADE (UP-173 AND UP-274 PANEL SCHEDULES)	E-142
DETAILS UNDERGROUND AND ROADWAY AT GRADE (UP-275 PANEL SCHEDULE)	E-143
DETAILS UNDERGROUND AND ROADWAY AT GRADE (LP-283 PANEL SCHEDULE)	E-144
DETAILS UNDERGROUND AND ROADWAY AT GRADE (BIKE PATH RAMP AND BIKE LANDING WIRING DIAGRAMS)	E-145

DRAWING TITLE	DRAWING NO.
DETAILS UNDERGROUND AND ROADWAY AT GRADE (BIKEWAY WIRING DIAGRAM)	E-146
DETAILS UNDERGROUND AND ROADWAY AT GRADE (HIGH MAST LIGHTING AND SIGN LIGHTING WIRING DIAGRAMS)	E-147
DETAILS UNDERGROUND AND ROADWAY AT GRADE (TOS DEVICE WIRING DIAGRAMS)	E-148
DETAILS UNDERGROUND AND ROADWAY AT GRADE HIGH MAST LIGHTING POLE LOCATION	E-149, E-150
DETAILS UNDERGROUND AND ROADWAY AT GRADE HIGH MAST LIGHTING POLE DETAILS	E-151
DETAILS UNDERGROUND AND ROADWAY AT GRADE HIGH MAST LIGHTING TYPICAL WIRING DIAGRAM	E-152
REMOVAL ELECTRICAL SSDE AND SSDW	E-153 TO E-160
SCADA REMOTE TERMINAL UNIT SYSTEM (LOCATIONS)	E-161
DETAILS SCADA REMOTE TERMINAL UNIT SYSTEM (SCADA AND TELEPHONE TERMINAL BOX LAYOUT)	E-162
DETAILS SCADA REMOTE TERMINAL UNIT SYSTEM (RTU #16 ELEMENTARY AND CONNECTION DIAGRAM)	E-163, E-164
DETAILS SCADA REMOTE TERMINAL UNIT SYSTEM (CABLE BLOCK DIAGRAM)	E-165
DETAILS SCADA REMOTE TERMINAL UNIT SYSTEM (COM-21E TERMINAL BOX WIRING DIAGRAM)	E-166
DETAILS SCADA REMOTE TERMINAL UNIT SYSTEM (COM-22E TERMINAL BOX WIRING DIAGRAM)	E-167
DETAILS SCADA REMOTE TERMINAL UNIT SYSTEM (COM-23E TERMINAL BOX WIRING DIAGRAM)	E-168
DETAILS SCADA REMOTE TERMINAL UNIT SYSTEM (COM-MOLE TERMINAL BOX WIRING DIAGRAM)	E-169

ELECTRICAL SHEET INDEX

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

E-2

REVISED BY	DATE REVISED

JEFFRI HALIM — CALCULATED-DESIGNED BY
DAVID OTO — CHECKED BY
BRADY NADELL — CONSULTANT FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 08-17-09 DATE PLOTTED => 06-OCT-2011 TIME PLOTTED => 06:40

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	193	744

REGISTERED ELECTRICAL ENGINEER 05/02/11

PLANS APPROVAL DATE 10-3-11

REGISTERED PROFESSIONAL ENGINEER DAVID H. OTO No. 10699 Exp. 06/30/2013 ELECTRICAL 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.

PB AMERICAS, Inc.
303 Second St., Suite 700N
San Francisco, CA 94107-1317

Caltrans Metric

DRAWING TITLE	DRAWING NO.
DETAILS SCADA REMOTE TERMINAL UNIT SYSTEM (TEL-21E TERMINAL BOX WIRING DIAGRAM)	E-170
DETAILS SCADA REMOTE TERMINAL UNIT SYSTEM (TEL-22E TERMINAL BOX WIRING DIAGRAM)	E-171
DETAILS SCADA REMOTE TERMINAL UNIT SYSTEM (TEL-23E TERMINAL BOX WIRING DIAGRAM)	E-172
DETAILS SCADA REMOTE TERMINAL UNIT SYSTEM (TEL-MOLE TERMINAL BOX WIRING DIAGRAM)	E-173
CALL BOX SYSTEM (BRIDGE STRUCTURE LOCATIONS)	E-174
DETAILS CALL BOX SYSTEM (LOCATIONS AND SCHEDULES)	E-175
DETAILS CALL BOX SYSTEM (CALL BOX WIRING DIAGRAMS)	E-176 TO E-178
STRONG MOTION DETECTION SYSTEM (GENERAL PLAN)	E-179
DETAILS STRONG MOTION DETECTION SYSTEM (GIRDER LEVEL PARTIAL PLAN) FRAME 1	E-180 TO E-182
DETAILS STRONG MOTION DETECTION SYSTEM (GIRDER LEVEL PARTIAL PLAN) FRAME 2	E-183, E-184
DETAILS STRONG MOTION DETECTION SYSTEM (PLAN AT GRADE)	E-185
DETAILS STRONG MOTION DETECTION SYSTEM (SENSOR AND PULL BOX SCHEDULES)	E-186
DETAILS STRONG MOTION DETECTION SYSTEM (SENSOR AND RECORDER ENCLOSURES)	E-187
DETAILS STRONG MOTION DETECTION SYSTEM (CABLE BLOCK DIAGRAM)	E-188
TRAFFIC OPERATIONS SYSTEM (FIELD STATION LOCATION)	E-189
DETAILS TRAFFIC OPERATIONS SYSTEM (CLOSED CIRCUIT TELEVISION CAMERA INSTALLATION)	E-190
DETAILS TRAFFIC OPERATIONS SYSTEM (CLOSED CIRCUIT TELEVISION CAMERA EQUIPMENT AND SYSTEM LAYOUT)	E-191, E-192
DETAILS TRAFFIC OPERATIONS SYSTEM (CLOSED CIRCUIT TELEVISION CAMERA HIGH MAST INSTALLATION)	E-193, E-194
DETAILS TRAFFIC OPERATIONS SYSTEM (PREFORMED LOOP DETECTOR STATION INSTALLATION)	E-195
DETAILS TRAFFIC OPERATIONS SYSTEM (INDUCTIVE LOOP DETECTOR STATION INSTALLATION)	E-196
DETAILS TRAFFIC OPERATIONS SYSTEM (CONTROLLER CABINET CONFIGURATION)	E-197
DETAILS TRAFFIC OPERATIONS SYSTEM (FIBER OPTIC RISER DIAGRAM FOR WESTBOUND)	E-198
DETAILS TRAFFIC OPERATIONS SYSTEM (FIBER OPTIC RISER DIAGRAM)	E-199, E-200
DETAILS TRAFFIC OPERATIONS SYSTEM (FIBER OPTIC TERMINATIONS FOR WESTBOUND)	E-201
DETAILS TRAFFIC OPERATIONS SYSTEM (FIBER OPTIC TERMINATIONS FOR EASTBOUND)	E-202
DETAILS TRAFFIC OPERATIONS SYSTEM (TYPICAL FIBER OPTIC SPLICE)	E-203
DETAILS TRAFFIC OPERATIONS SYSTEM (TYPICAL FIBER OPTIC LINK CIRCUIT)	E-204
CONDUIT AND TRAY SCHEDULE ROADWAY AND GIRDER LEVEL EASTBOUND	E-205 TO E-245
CONDUIT AND TRAY SCHEDULE UNDERGROUND ROADWAY AT GRADE	E-246 TO E-296
CONDUIT AND TRAY SCHEDULE STRONG MOTION DETECTION SYSTEM	E-297 TO E-302
CABLE AND CIRCUIT SCHEDULE	E-303 TO E-333

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

ELECTRICAL SHEET INDEX

E-3

REVISED BY	DATE REVISED
JEFFRI HALIM	DAVID OTO
CALCULATED-DESIGNED BY	CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR	BRADY NADELL

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

LAST REVISION 08-17-09 DATE PLOTTED => 06-OCT-2011 TIME PLOTTED => 06:40

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	194	744

REGISTERED ELECTRICAL ENGINEER 05/02/11

10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER DAVID H. OTO No. 10699 Exp. 06/30/2013 ELECTRICAL 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.

PB AMERICAS, Inc.
303 Second St., Suite 700N
San Francisco, CA 94107-1317

Caltrans Metric

LAYOUT PLAN

- Barrier Pull Box, for type and size, see Pull Box Schedule
- J / PB-1D — Pull Box or conduit fitting PB-1D for type and size, see Pull Box Schedule
- A — Equipment or Material Designation A=Sequential description
- 1 — Sheet Notes, applicable only to the Drawing 1=Sequential number
- 1 — Project Notes 1=assigned number, i.e.. 21C, 2 #12 + #12 G (See E-6)
- Call Box, State Furnished
- Electrical Equipment as Indicated on Plan Drawings
- Pole Mounted Lighting Fixture - See Lighting Pole Schedule for Type and Quantity.
- B — Temporary Barrier Mounted Lighting Pole
- P — Temporary Wood Lighting Pole
- F — Temporary Flashing Beacon
- 1601-1 — Pole number (Associated Ckt No.)
- High Mast Lighting Pole (No. 2608) Pole identification
- (E) High Mast Lighting Pole
- Bike Path Lighting Fixture
- GFCI WP — Duplex Receptacle, 125 V, 20 A MH = 450 mm above floor unless noted GFCI = Ground Fault Circuit Interrupter WP = Weatherproof
- Conduit turned up
- Conduit turned down
- Conduit or Cable run, exposed
- Conduit run concealed in wall, concrete barrier, slab or routed underground duct bank
- Flexible Conduit
- CT — Cable Tray
- Cable Tray
- Cables or Conduit down to Equipment (see plan for conduit number)
- X and XXX — New Conduit and cable tray run shown in bold this contract.
- X and XXX — (E) Conduit and cable tray run contract shown screened shown for reference only.
- * X and * XXX — (*) Existing conduit and cable tray installed on a previous contract. Use for routing cables or conductors

SHOWN ON CONDUIT AND TRAY SCHEDULE, CIRCUIT AND CABLE SCHEDULE

*5804	(E) Conduit
*2T48	(E) Cable Tray
*2493-ID-A	(E) Innerduct
*LVCC-B	(E) Equipment
*PL-W10	(E) Device

- Fiber Splice Closure (FSC)
- 72 Fiber Trunk (FTC)
- 12 Fiber Distribution (FDC) or Fiber pigtail (FPC)
- S2 — Strong Motion Sensor (2) indicates number of sensor
- Ground Point
- Ground Rod
- Ground Bare Copper Wire, Stranded
- Cable To Cable Exothermic Type Ground Connections
- Cable Ground Connection to Equipment, Compression Type
- Cable with Pigtail Ground Connections (see plan for length)

TRAFFIC OPERATIONS SYSTEMS (TOS)

- CCTV Camera
- Changeable Message Sign
- Preformed Loop or Inductive Detector Station

SINGLE LINE DIAGRAM

200/5 MRCT 3 — MM — SSPP — 67, 67N
Microprocessor protective relay
MM=Metering Module
SSPP=Solid State Protective Package
67, 67N=Directional Overcurrent Relay
MRCT=Multi Ratio Current Transformer
200/5=Current Amp/Ratio
3=Quantity

1200 A / 500 MVA — N.C.(or N.O.) 52 — 52-11N
Vacuum-Break MV Circuit Breaker, (Drawout Type)
1200 A=Rating
500 MVA=Nominal Interrupting Class
52-11N=Assigned Breaker Number
N.C.=Normally Close
N.O.=Normally Open

600-800 A / 42000 — 52S-1 E.O.
Air Circuit Breaker (Drawout Type)
600-800A=Trip Rating-Frame Rating
42000=Interrupting Current
E.O.=Electrically Operated
52S-1=Assigned breaker Number #1
800/5=Current Transformer Ratio
3=Quantity

800/5 3 — L,S,G
Solid state Trip Device
L=Long Time Delay
S=Short Time Pick up/Delay
G=Ground Fault pick up/Delay

750 kVA, 12.47 kV, 480 V
Transformer, Distribution, Dry Type
12.47 kV=Delta Primary
480 V=Wye Secondary, Grounded
750 kVA=Size

50 AT / 100 AF
Molded Case Circuit Breaker, Drawout Type
50 AT=Trip Rating
100 AF=Frame Size

Package Equipment or Panelboard

Stress Relief Cable Connection

Fuse, Fused Disconnect

NOTES:

1. Symbols indicated on this sheet may not necessarily appear as part of these drawings if not required.

ELEMENTARY/CONNECTION DIAGRAMS

- Contact, Normally open
- Contact, Normally Closed
- M or — Relay, Mechanical
  M = Motor
  C = Contactor
  42 = Running Circuit Breaker
  X or Y = Auxiliary
  R = Industrial
  TD = Time Delay
  PEC = Photo Electric Control
- ON/OFF Switch
- Bk, W — Signal Cable with Shield
- OL — Motor Starter Overload Relay Thermal Bimetallic Element (OL-Overload)
- DC Batteries
- AC/DC Inverter (Battery Charger/Rectifier)
- End Resistor and Capacitor (Suppressor)
- Photoelectric Sensor
- 6, 7 — Communication Cable Noise Suppressor
- Terminal Block

DEVICE NUMBER DEFINITIONS

27B	12.47 kV Bus Undervoltage Relay
27D	DC Undervoltage Relay
27F	Feeder Undervoltage Relay
27UV	480 V Bus Undervoltage Relay
42	Running Circuit Breaker
43/R	Manual Transfer Control Switch-Remote
43/L	Manual Transfer Control Switch-Local
49	Thermal Relay
50	Instantaneous Overcurrent Relay
51	AC Time Overcurrent Relay
50/51N	Phase and Ground Fault Time Overcurrent Relay
50/51	Phase Fault Time Overcurrent Relay
52	AC Circuit Breaker
67	AC Directional Overcurrent Relay
67N	AC Directional Ground Overcurrent Relay
86	Lock-Out Relay
88	Auxiliary Motor

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

ELECTRICAL SYMBOLS

NO SCALE

E-4

REVISED BY | DATE REVISED
JEFFRI HALIM | DAVID OTO
CALCULATED-DESIGNED BY | CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR
BRADY NADELL

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 08-17-09 | DATE PLOTTED => 06-OCT-2011 | TIME PLOTTED => 06:40

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	195	744

REGISTERED ELECTRICAL ENGINEER 05/02/11

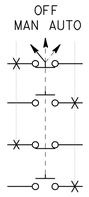
10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER DAVID H. OTO No. 10699 Exp. 06/30/2013 ELECTRICAL 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.

PB AMERICAS, Inc.
303 Second St., Suite 700N
San Francisco, CA 94107-1317

ELEMENTARY/CONNECTION DIAGRAMS (CONT')



Selector Switch
3 Position, DPDT

Indicating Light
G=Green
R=Red
W=White
B=Blue

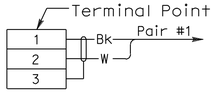
Heater

TSH — Thermostat
Closes on decreasing temperature

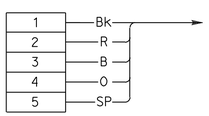
TD-1 — Normally open contact with time delay closing feature
TDC=2sec

- ☐ 480 V LVCC, Conductor Terminal Point
- ⧄ 480 V and 12.47 kV Switchgear, Conductor Terminal Point
- ◨ Remote Terminal Unit, Conductor Terminal Point
- ⊠ Relay Cabinet, Conductor Terminal Point
- ■ 12.47 kV-480 V Transformer Terminal Point

Terminal Point



Low Level Signal Wiring Designation, Ckt. No. and Cable Size, See Drawing



Control Cable Wiring Designation, Ckt. No. and Cable Size, See Drawing

3/C #2 + G	Multi-Conductor cable Designation
3#500 kcmil+#1/0 G	Single Conductor Cable Designation
1 Pair #16 SHLD	Single Pair Shielded Cable Designation
1-6 Pairs #18 SHLD	Multi-Pair Shielded Cable Designation

FIXTURE CALL OUT

1001-1 ← Ltg Pole Identification

S-1001 ← 480 V Ltg Circuit
LP101-1 ← 120 V Ltg Circuit

LIGHTING POLE IDENTIFICATION

1 0 0 1 - 1
- 1: Assigned sequential Ltg pole number
- 1 0 0 1: Assigned sequential circuit number (same as circuit number)

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

480 V LIGHTING CIRCUIT IDENTIFICATION

S - 1 0 0 1
- 1 0 0 1: Assigned sequential circuit number
- 1: Location
  - 1-Westbound
  - 2-Eastbound
- S: Lighting Type
  - S-Safety Lighting
  - A-Aesthetic Lighting

PANEL IDENTIFICATION

UP - 1 0 1
- 1 0 1: Assigned sequential panel number
- 1: Location
  - 1-Westbound
  - 2-Eastbound
- UP: Equipment
  - UP-Utility panel
  - LP-Lighting panel

120 V CIRCUIT IDENTIFICATION

UP1 0 1 - 1
- 1: Panel circuit breaker number
- UP1 0 1: Assigned panel identification

CABLE IDENTIFICATION (See Conduit and Tray Schedules)

S-1001-1A — Included cable identification shown on conduit/tray schedule

S-1 0 0 1-1 A
- A: Assigned sequential cable number
- S-1 0 0 1-1: Same as circuit number

1 3 9 5 A
- A: Assigned parallel feeder cable
- 1 3 9 5: Same as circuit number

1 3 1 0 - 1
- 1: Assigned sequential cable number
- 1 3 1 0: Assigned cable number

XX 0 0 1-3 A
- A: Assigned sequential cable number
- 0 0 1-3: Same as circuit number
- XX: XX = UP or LP

2506-11A
- A: Assigned sequential cable number
- 11: Sensor enclosure number
- 2506: Assigned sequential circuit number

TOS ELEMENT IDENTIFICATION

CMS - E 0 2
- 2: Assigned sequential element number
- E: Location/Direction
  - W-Westbound
  - E-Eastbound
- CMS: Element Type
  - CCTV-Closed Circuit Television Camera
  - CMS-Changeable Message Sign
  - MVDS-Microwave Vehicle Detection Sensor
  - PL-Preformed Loops

CONDUIT IDENTIFICATION

1/001
- 1: Location/Type
  - 1, 4 and 6-Westbound Plan
  - 0, 2, 5 and 7-Eastbound Plan
  - 3, 8-Not Used
  - 9-Strong Motion Detection Plan
- 001 - Sequential Number

CABLE TRAY IDENTIFICATION

1/T10
- 1: Location
  - 1-Westbound
  - 2-Eastbound
- 10: Assigned Sequential Cable Tray Number
  - 10 to 19 - 12 kV (Medium voltage)
  - 20 to 29 - 600 V (power and control)
  - 40 to 49 - TOS/Communication (TOS fiber and communication)
  - 50 to 59 - Non-Caltrans Utilities
- T - Cable Tray

STRONG MOTION DETECTION IDENTIFICATION

S2 ← Strong Motion Sensor

20 - 1
- 1: Sensor Enclosure No.
  - Recorder number
- 20: Assigned sensor number

GENERAL ABBREVIATIONS

NOT LISTED IN CALTRANS STANDARD PLANS ES-1A AND ES-1B

A, AMP	Ampere
AC	Alternating Current
AF	Ampere Frame Rating
AT	Ampere Trip Rating
AUX	Auxiliary
BCW	Bare Copper Wire
BKR	Breaker
CAT, Cat	Catalog
CB	Call Box
CMSC, cmsc	Changeable Message Sign Control Cable
COM	Communication
Conc	Concrete
Cont'd	Continued
CPT	Control Power Transformer
CS	Control Switch
CU	Copper
CUB	Cubicle
DC	Direct Current
DISC	Disconnect
DPDT	Double Pole Double Throw
EB	Eastbound
E.O	Electric Operated Ckt. Bkr.
(E), Exist	Existing
G, GND, Gnd	Ground (ground cable)
HID	High Intensity Discharge
HP	Horse Power
HV	High Voltage
HZ, Hz	Hertz
IND, Ind	Indication
ISDN	Integrated System Digital Network
JB	Junction Box
kAIC	kiloAmperes Interrupting Capacity
kCMIL	kilo Circular Mil
kN	kilo Newton
kV	kilovolt
kVA	kilovolt Ampere
KW	Kilowatt
LP	Lighting Panel
Ltg	Lighting
LTS, Lts	Lights
LVCC	Low Voltage Control Center
MCC	Main Control Cable
MFR	Manufacturer
MH	Mounting Height, Manhole, Metal Halide
MM	Metering Module
MRCT	Multi Ratio Current Transformer
N	Neutral
NIC	Not In Contract
NPT	National Pipe Thread
oh	Existing Overhead Line
PH	Phase
PWR	Power
PVC	Polyvinyl Chloride Conduit
RMS	Root Mean Square
RTU	Remote Terminal Unit
RGS	Rigid Galvanized Steel
SCADA	Supervisory Control And Data Acquisition
SFOBB	San Francisco Oakland Bay Bridge
SG	System Ground
SGC, sgc	System Ground Cable
SHLD, Shld	Shield
SS	Stainless Steel
SSC	Seismic Sensor Cable
STR	Stranded
STD	Standard
STL	Steel
SW	Switch
SWGR	Switchgear
TB	Terminal Box
TC, tc	Telephone Cable
TEL	Telephone
Term	Terminal
THK	Thick
TOS	Traffic Operating System
TSH	Temperature Switch, Thermostat
UNO	Unless Noted Otherwise
UP	Utility Panel
UV	Undervoltage
V	Volt
VAC	Volts Alternating Current
VDC	Volts Direct Current
VM	Voltmeter
VS	Voltmeter Switch
W	Wire, Watt
WB	Westbound
WP	Weatherproof
WT	Weight
YBI	Yerba Buena Island

NOTE:

1. Symbols indicated on this sheet may not necessarily appear as part of these drawings if not required.

ELECTRICAL SYMBOLS AND ABBREVIATIONS

E-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: BRADY NADELL
CALCULATED-DESIGNED BY: JEFFRI HALIM
CHECKED BY: DAVID OTO
REVISED BY / DATE REVISED

LAST REVISION 08-17-09 | DATE PLOTTED => 06-OCT-2011 | TIME PLOTTED => 06:41

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	196	744

REGISTERED ELECTRICAL ENGINEER 05/02/11

PLANS APPROVAL DATE 10-3-11

REGISTERED PROFESSIONAL ENGINEER DAVID H. OTO No. 10699 Exp. 06/30/2013 ELECTRICAL 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.

PB AMERICAS, Inc.
303 Second St., Suite 700N
San Francisco, CA 94107-1317

GENERAL NOTES

1. Not Used.
2. All conduit routing is diagrammatic. Pull box locations are located and shown on plan drawings. Contractor to provide additional pull boxes as required. Exact location of equipment and devices may be adjusted by field conditions or by the Engineer.
3. Minimum conduit sizes shall be 21 mm. Exposed conduits shall be PVC coated galvanized rigid steel. All conduits routed inside girder shall be rigid galvanized steel.
4. All conduit fittings for 78 mm and above shall be 610 mm minimum bending radius.
5. All conduits, including spares shall be provided with wiring pull ropes prior to cable installation.
6. All equipment and devices shall be provided with nameplate tags as shown in the drawings.
7. All feeders and branch circuits shall be provided with an equipment ground wire.
8. 15 kV splice boxes shall be installed as shown and permanently marked "DANGER-HIGH VOLTAGE-KEEP OUT". The letters shall be block type and at least 50 mm in height.
9. The Contractor shall label all conductors and cables per wiring diagrams.
10. Padlocks shall be provided and installed by the Contractor on all cabinets located on the platforms so that they are not accessible to unauthorized personnel.
11. Call boxes are State-Furnished. The Contractor shall install and terminate conductors per wiring diagram.
12. The Contractor shall provide all conduits and cable trays with permanent field markers/labels.
13. In general, screened items are either existing or included in other contract bid items.
14. The term 'Frame 1' refers to the section of Roadway & Girder Level from Hinge EE to Hinge FE. The term 'Frame 2' refers to the section of Roadway & Girder Level from Hinge FE to Abut 23R.
15. When fiber cable or cables pass through a manhole or designated as vault, a minimum of 15 meter cable slack shall be racked on the side of the manhole.
16. The fiber optic cable and inner ducts color coding shall be as follows:

Fiber Optic Cable	Innerduct
B - Black for Caltrans TOS Trunkline	B - Black
BL- Blue for Caltrans TOS Trunkline	BL - Blue
BR- Brown for Base CCTV Trunkline	BR - Brown
	WH - White

17. The inner duct routed through the manholes or vaults shall be continuos and loop around minimum of 10 meters. If inner duct is cut inside the manhole or vaults for pulling fiber optic cable, the end shall be sealed water tight.
18. Notes related to Construction Staging and Electrical Removal.
    - Install all electrical equipment, devices and components including conduits, the termimnation of cables/circuits as indicated on plan sheets associated with Stage 1, Phase 1 and Phase 2.
    - Prior to removal of electrical equipment or devices related to Stage 2, The Contractor to ensure the (E) installations not included on the removal but part of electrical connectivity will remain energized and operational unless directed by the Engineer.
    - Prior to removal or as part of demolition on the bridge structure or roadway construction, the Contractor to ensure and understand the sequence and connectivity of the existing, installed by others and Staging on this contract at or near the (E) Pier E23.
    - The Contractor to coordinate and ensure the (E) High Mast lighting remains energized until the new High Mast lighting is installed on Stage 1 and Stage 3.
    - Install all electrical equipment, devices and components including conduit connections from Stage 1 and the terminatiion of cables/circuits as indicated on plan sheets. All electrical conections must be completed on Stage 2, prior to bridge open for traffic.
    - Install all electrical equipment, devices and components including conduits, and the termination of cables/circuits as indicated on plan sheets associated with Stage 3.
    - See Electrical Removal, plan sheets E-153 to E-160.

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

PROJECT NOTES:

1	21C, 2#12 + #12G
2	27C, 2#10 + #10G
3	27C, 4#10 + #10G
4	Blank
5	Blank
6	Blank
7	Blank
8	Blank
9	Blank
10	21C, Conduit (For Call Box Signal) 1-2 Pairs #18
11	21C, Conduit (For Call Box Power) 2#12 + #12G
12	21C, Conduit (For Call Box Signal) 4-1-Pairs #18 strip cable overall insulation back from the nearest pull box.
13	78C, Conduit (For CMS Power) 3#2 + #6G and 2#10
14	78C, Conduit (For CMS Signal) Harness #4 and Harness #5
15	41C, Conduit (Spare)
16	41C, Conduit (For CCTV Power/Signal) Cable Type HHC
17	27C, Existing Conduit (For Roadway Ltg.) 4#10 + #10G
18	Blank
19	41C, 3/C#4 + G (For High Mast Lighting Power)
20	78C, Conduit (for Preformed Loop Signal) Cable Type 10 DLC
21	Blank
22	Blank
23	27C, Conduit (Spare)
24	27C, Existing conduit
25	78C, Conduit (Spare)
26	78C, Existing conduit
27	53C, Existing conduit
28	53C, Conduit (Spare)
29	21C, PVC Coated, (For Call Box Power) 2#12 + #12G
30	500 kcmil Bare Copper Wire
31	250 kcmil Bare Copper Wire
32	#4/0 AWG Bare Copper Wire
33	#2 AWG Bare Copper Wire
34	Blank
35	Blank
36	21C, PVC Coated, (For Call Box Signal) 1-2 pairs #18
37	41C, Flexible Conduit (For Bike Path Power) 3#8 + #10G
38	41C, Conduit (For Bike Path Power) 3#8 + #10G
39	21C, Existing Flexible Conduit (For Bike Path Lighting) 2#12 + #12G
40	21C, Existing Conduit (For Bike Path Lighting) 2#12 + #12G
41	Blank
42	21C, Conduit (For Bike Path Lighting) 2#12 + #12G
43	21C, Flexible Conduit (For Bike Path Lighting) 2#12 + #12G
44	21C, Existing Conduit (For Call Box Power) 2#12 + #12G
45	Blank
46	21C, Existing Conduit 4-1-Pairs #18 strip cable overall insulation back from the nearest pull box.
47	Blank
48	21C, Existing Conduit (For Call Box Signal) 1-2 pairs #18

TRAFFIC OPERATIONS SYSTEMS (TOS) ABBREVIATIONS

PEU	Photo Electric Unit
PEC	Photo Electric Control
PEX	Photo Electric Auxiliary Relay
CC	Control Cabinet
CCR	Camera Control Receiver
CCTV	Closed Circuit Television Camera
CCU	Camera Control Unit
CIA	Controller Interface Assembly
CMS	Changeable Message Sign
CMSC	Changeable Message Sign Control Cable
COMM	Communication
DLC	Detector Lead-In Cable
FDC	Fiber Optic Drop Cable (12 SMFO Fiber)
FOPC	Fiber Optic Pigtail Cable
FDU	Fiber Distribution Unit
FO	Fiber Optic
FODM	Fiber Optic Data Modem
FSC	Fiber Optic Splice Closure
FTC	Fiber Optic Trunkline Cable (72 SMFO Fiber)
HCC	Hybrid Camera Cable
IF	Input File
PDA	Power Distribution Assembly
PL	Preformed Loop Detector Station
PR	Pair
RCVR	Receiver
SCA	Serial Cable Assembly
SMFO	Single Mode Fiber Optic
ST	Type of FO Splice Connector
TC	Telephone Cable
TMS	Traffic Monitoring Station
TSC	Trunkline Splice Closure
VTDD	Video Transmitter Duplex Data

For other Abbreviations and Equipment Designations, See Standard Plans.

ELECTRICAL NOTES AND ABBREVIATIONS

E-6

REVISED BY | DATE REVISED
JEFFRI HALIM | ELLERY LUCAS
CALCULATED-DESIGNED BY | CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR
BRADY NADELL
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 08-17-09 | DATE PLOTTED => 06-OCT-2011 | TIME PLOTTED => 06:41

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	197	744

Caltrans Metric

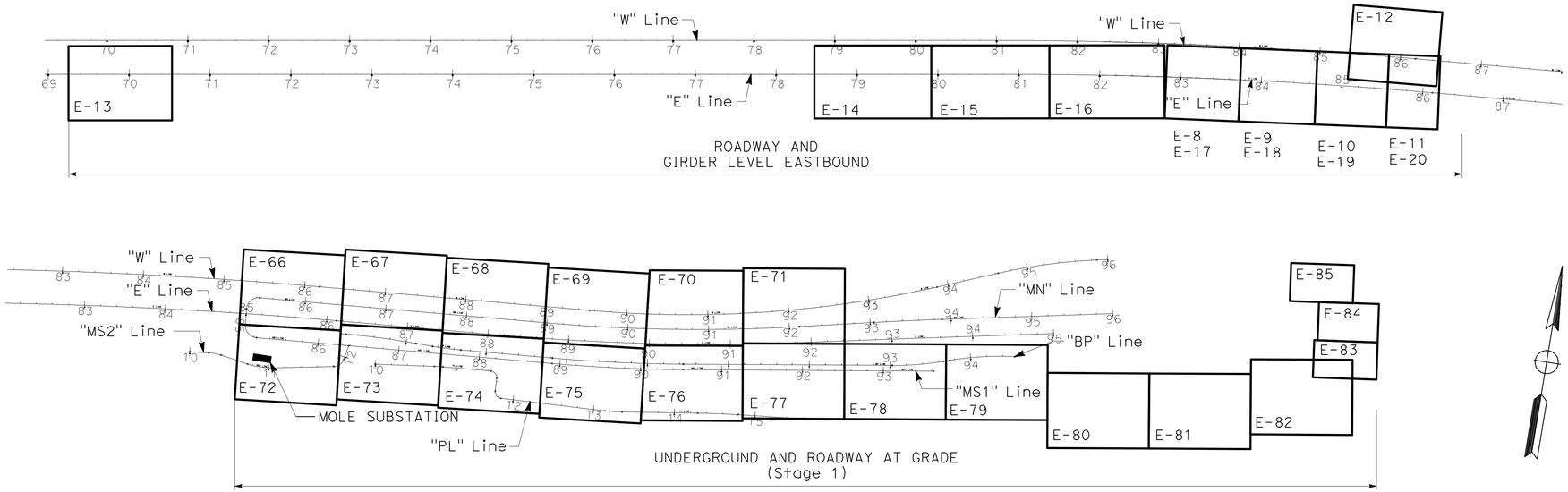
05/02/11
REGISTERED ELECTRICAL ENGINEER

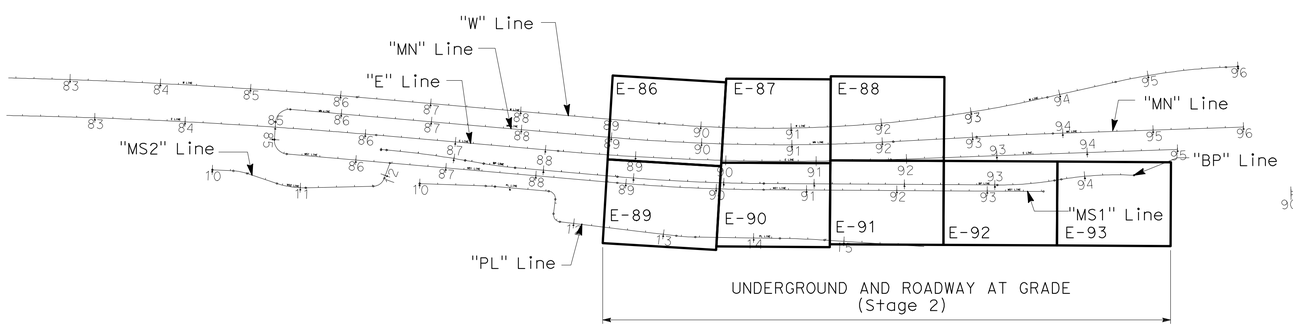
10-3-11
PLANS APPROVAL DATE

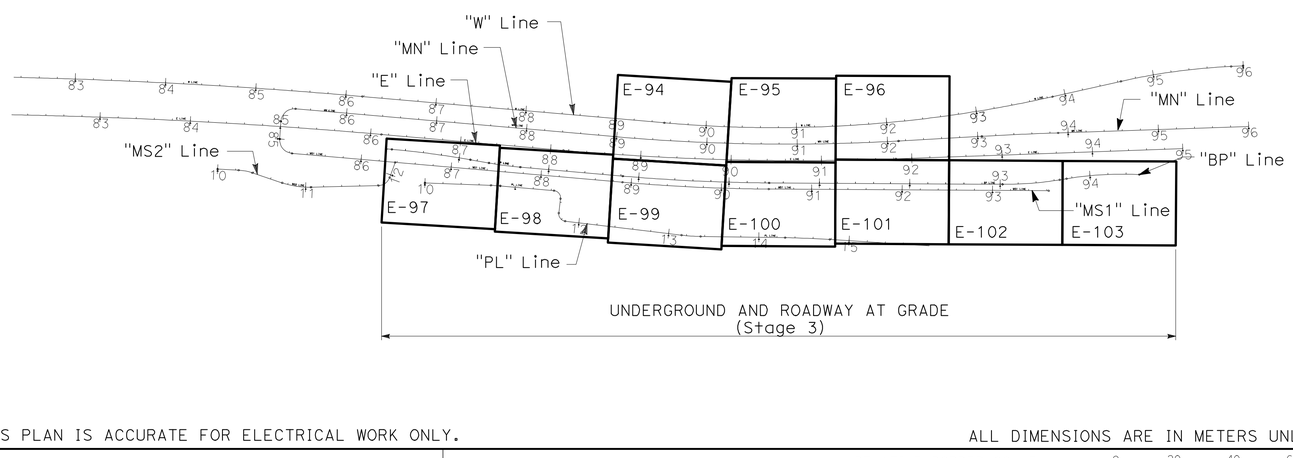
REGISTERED PROFESSIONAL ENGINEER
DAVID H. OTO
No. 10699
Exp. 06/30/2013
ELECTRICAL
STATE OF CALIFORNIA

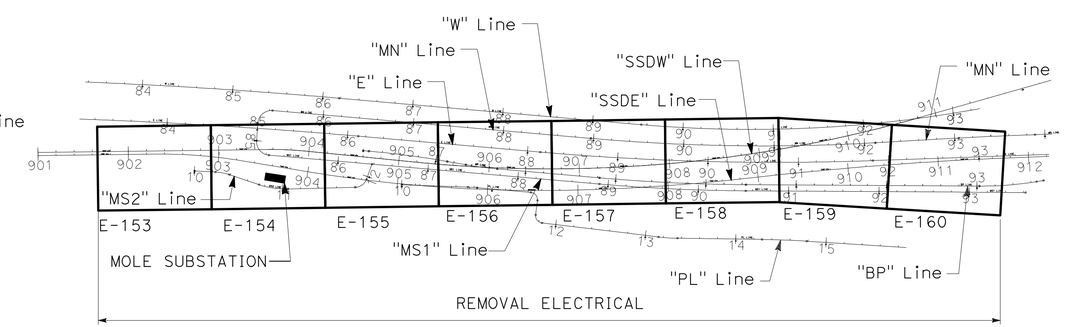
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

PB AMERICAS, Inc.
303 Second St., Suite 700N
San Francisco, CA 94107-1317









ELECTRICAL KEY MAP

NO SCALE

E-7

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: BRADY NADELL
CALCULATED-DESIGNED BY: JEFFRI HALIM
CHECKED BY: ELLERY LUCAS
REVISED BY / DATE REVISED

LAST REVISION 08-12-11
DATE PLOTTED => 06-OCT-2011
TIME PLOTTED => 0641

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	198	744

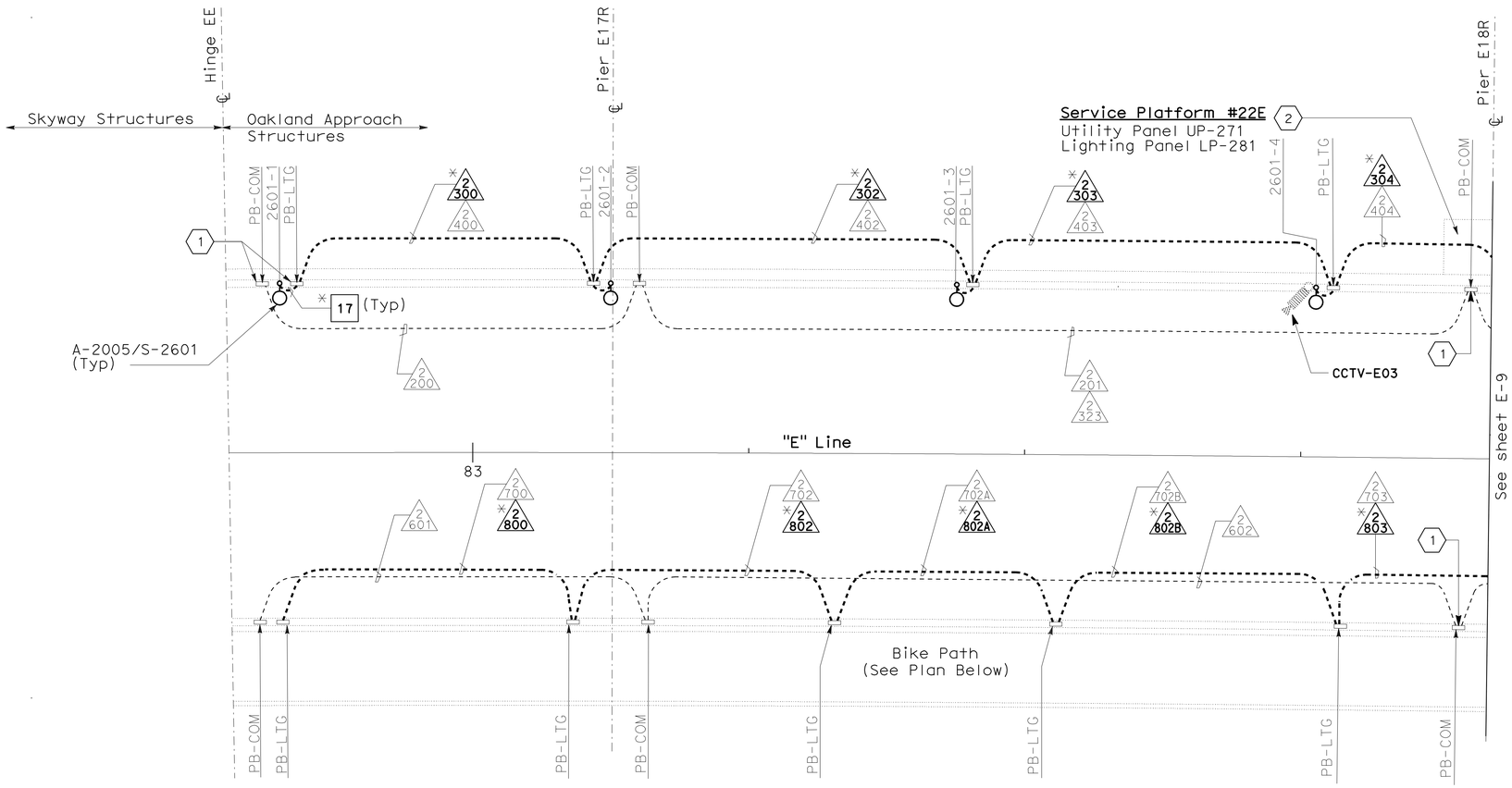
05/02/11
REGISTERED ELECTRICAL ENGINEER

10-3-11
PLANS APPROVAL DATE

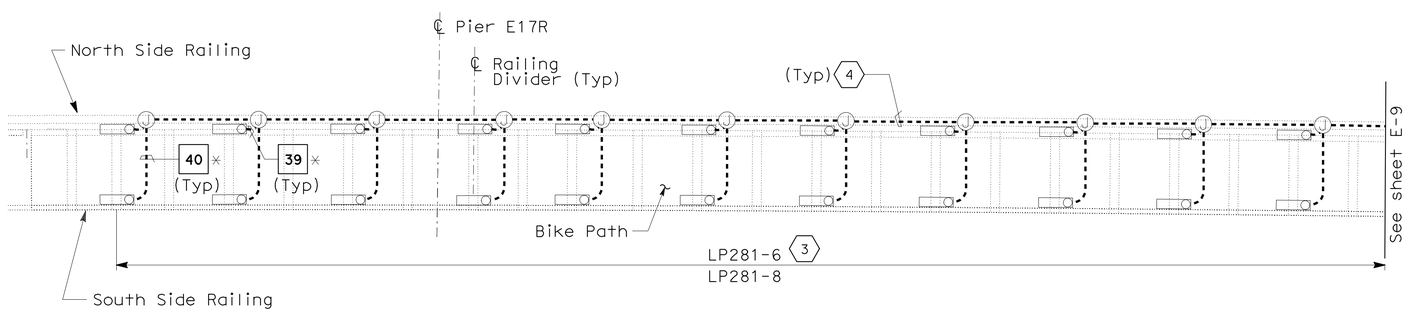
REGISTERED PROFESSIONAL ENGINEER DAVID H. OTO No. 10699 Exp. 06/30/2013 ELECTRICAL STATE OF CALIFORNIA

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.

PB AMERICAS, Inc.
303 Second St., Suite 700N
San Francisco, CA 94107-1317



ROADWAY CONDUIT PLAN
(CONDUCTORS INSTALLED IN STAGE 1)



CONDUIT PLAN - BIKE PATH
(CONDUCTORS INSTALLED IN STAGE 3)

NOTES:

1. The conduit/trays are existing. Conduits/trays with (*) prefixed is provided as reference for routing the cable/circuits only.

2. References:
   - For typical details and locations of conduit connections to light poles, barrier outlet boxes and call boxes, see sheets E-38 through E-40.
   - TOS equipment is shown for conduit routing only. For typical details of TOS controller and devices, see sheets starting at E-190.
   - For conduit and tray, cable and circuit schedules, see sheets starting at E-205.
   - For UP-271 and LP-281 panel schedules, refer to sheets E-50 and E-51.
   - For Roadway Level and Bike Path Lighting Fixture Schedule, see sheet E-57.
   - For Roadway Level Lighting, Light Pipe and Bike Path Wiring Diagrams, see sheets E-52 through E-56.

SHEET NOTES:

1. Conduit down into Girder Level. See sheet E-17.
2. For Service Platform details, see sheet E-30.
3. Panel and circuit number on top, apply to lights located in the railing on the north side of the Bike Path. Panel and circuit number below, apply to lights located in the railing on the south side of the Bike Path.
4. 41C, main conduit run located between Roadway Barrier and Bike Path. For number of conductors, see Bike Path Lighting Wiring Diagram sheet E-56.

ROADWAY AND GIRDER LEVEL EASTBOUND
(LIGHTING AND ELECTRICAL SYSTEMS)
FRAME 1
SCALE 1:200

E-8

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: BRADY NADELL
CALCULATED-DESIGNED BY: JEFFRI HALIM
CHECKED BY: DAVID OTO
REVISED BY / DATE REVISED

LAST REVISION 08-17-09
DATE PLOTTED => 06-OCT-2011
TIME PLOTTED => 06:41

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	199	744

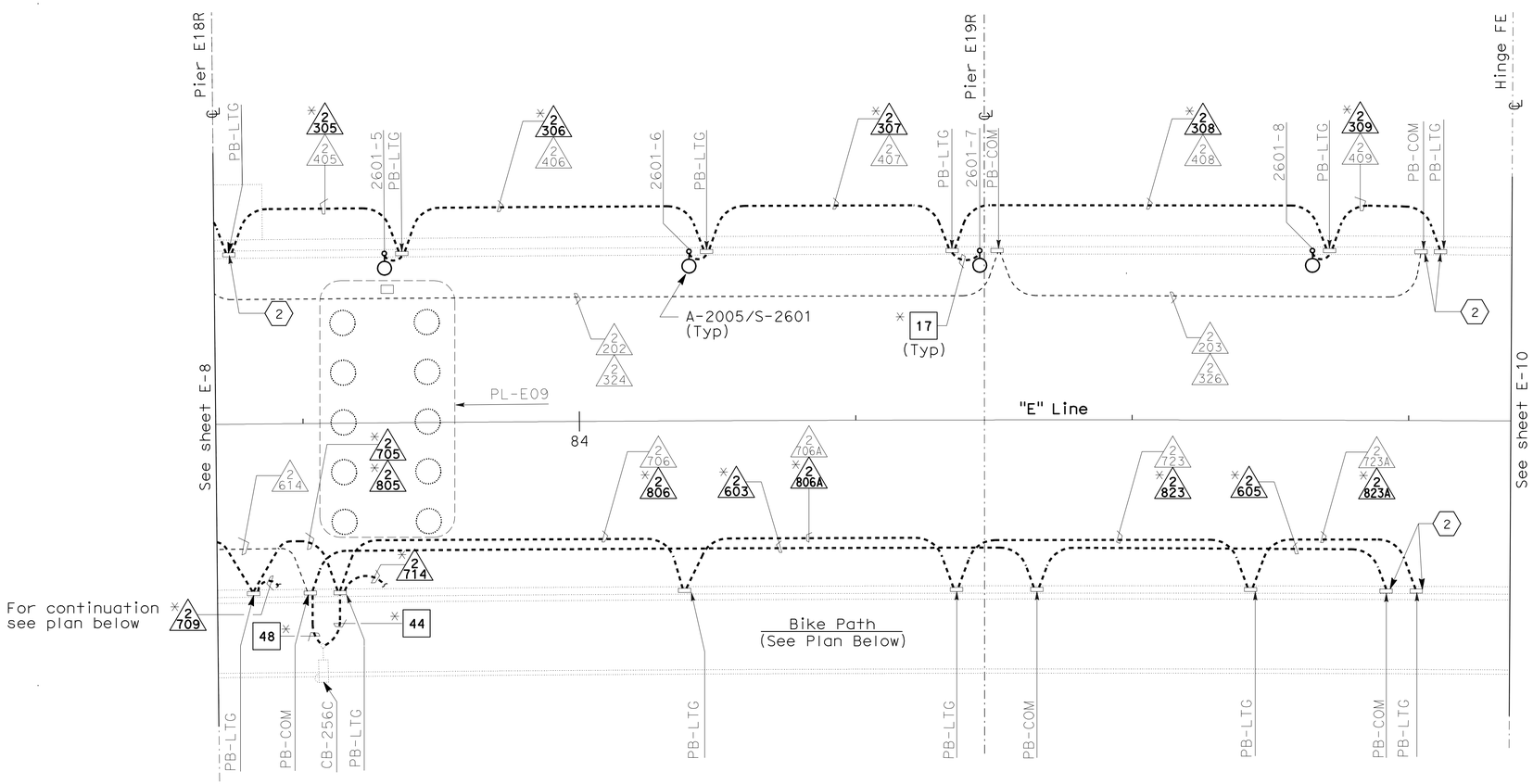
05/02/11
REGISTERED ELECTRICAL ENGINEER

10-3-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER DAVID H. OTO No. 10699 Exp. 06/30/2013 ELECTRICAL STATE OF CALIFORNIA

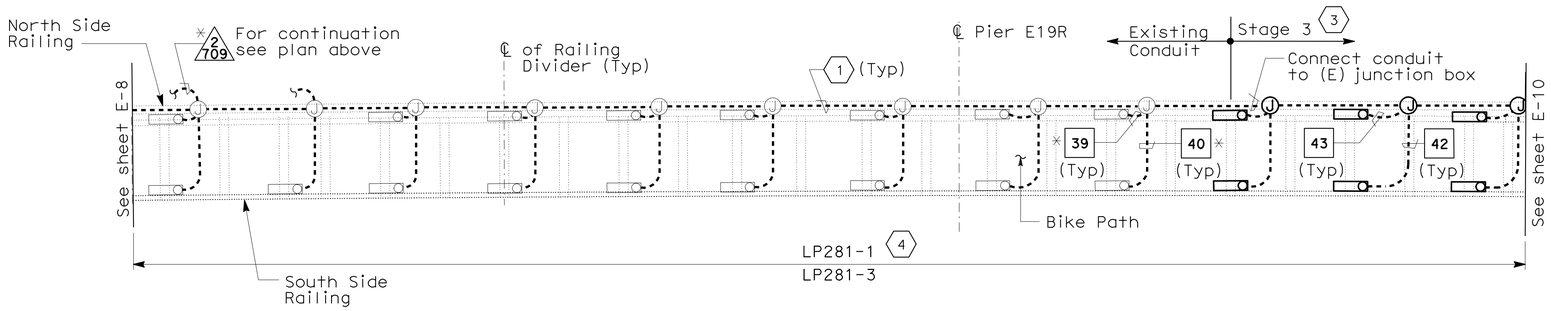
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

PB AMERICAS, Inc.
303 Second St., Suite 700N
San Francisco, CA 94107-1317



ROADWAY CONDUIT PLAN

(CONDUCTORS INSTALLED IN STAGE 1)



CONDUIT PLAN - BIKE PATH

(CONDUCTORS INSTALLED IN STAGE 3)

NOTES:

1. The conduit/trays are existing. Conduits/trays with (*) prefixed is provided as reference for routing the cable/circuits only.
2. References:
   - For typical details and locations of conduit connections to light poles, barrier outlet boxes and call boxes, see sheets E-38 through E-40.
   - TOS equipment is shown for conduit routing only. For typical details of TOS controller and devices, see sheets starting at E-190.
   - For conduit and tray, cable and circuit schedules, see sheets starting at E-205.
   - For UP-271 and LP-281 panel schedules, refer to sheets E-50 and E-51.
   - For Roadway Level and Bike Path Lighting Fixture Schedule, see sheet E-57.
   - For Roadway Level Lighting, Light Pipe and Bike Path Wiring Diagrams, see sheets E-52 through E-56.

SHEET NOTES:

(1) 41C, main conduit run located between Roadway Barrier and Bike Path. For number of conductors, see Wiring Diagram sheet E-56.

(2) Conduit down into Girder Level. See sheet E-18.

(3) All conduits and fittings routed exposed between the Bike Path and the Roadway shall be PVC coated RGS.

(4) Panel and circuit number on top, apply to lights located in the railing on the north side of the Bike Path. Panel and circuit number below, apply to lights located in the railing on the south side of the Bike Path.

ROADWAY AND GIRDER LEVEL EASTBOUND
(LIGHTING AND ELECTRICAL SYSTEMS)
FRAME 1

SCALE 1:200

E-9

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: BRADY NADELL
CALCULATED-DESIGNED BY: JEFFRI HALIM
CHECKED BY: DAVID OTO
REVISED BY / DATE REVISED

LAST REVISION 08-17-09 DATE PLOTTED => 06-OCT-2011 TIME PLOTTED => 06:41

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	200	744

Caltrans Metric

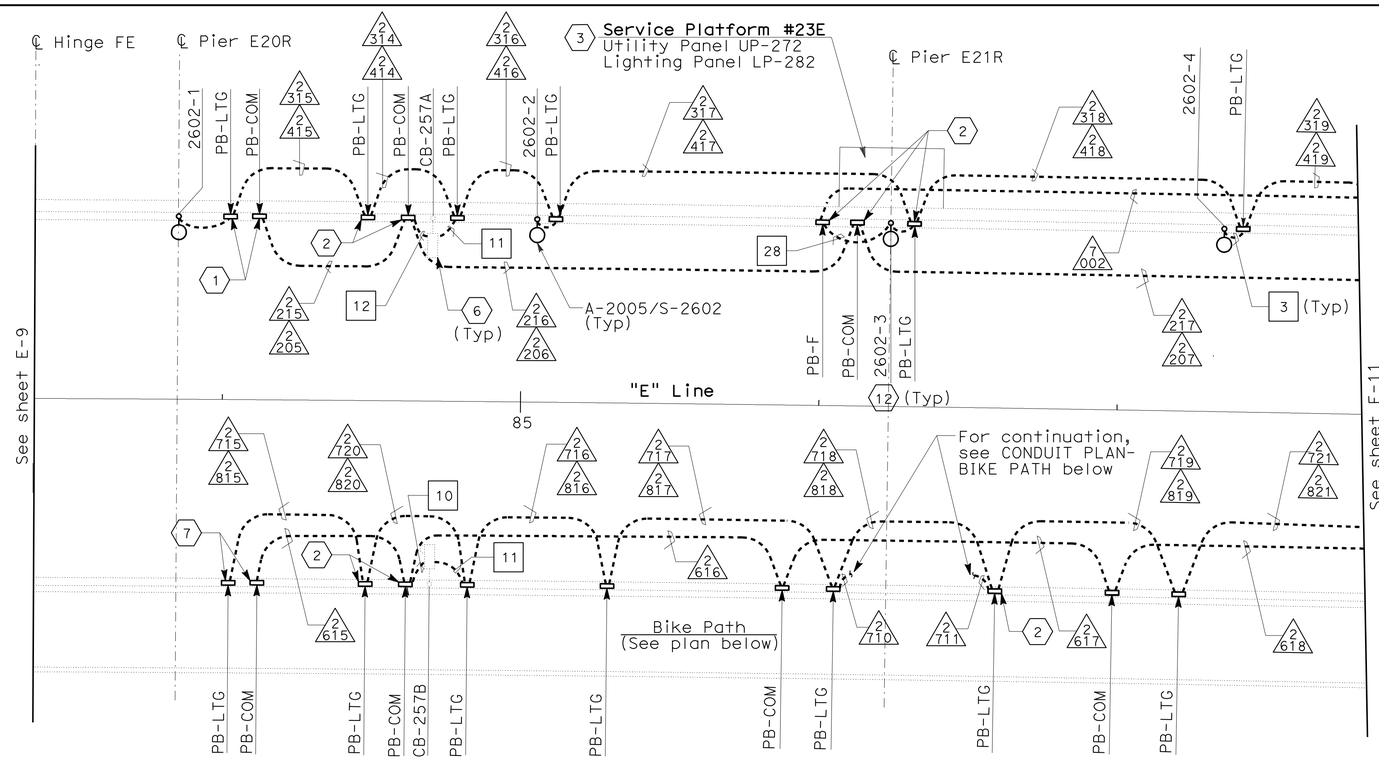
05/02/11
REGISTERED ELECTRICAL ENGINEER

10-3-11
PLANS APPROVAL DATE

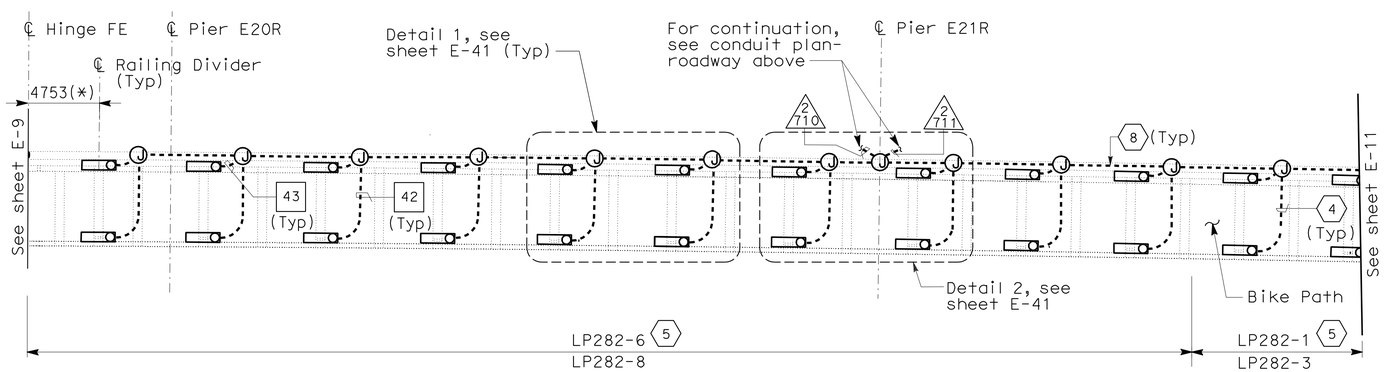
REGISTERED PROFESSIONAL ENGINEER
DAVID H. OTO
No. 10699
Exp. 06/30/2013
ELECTRICAL
STATE OF CALIFORNIA

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.

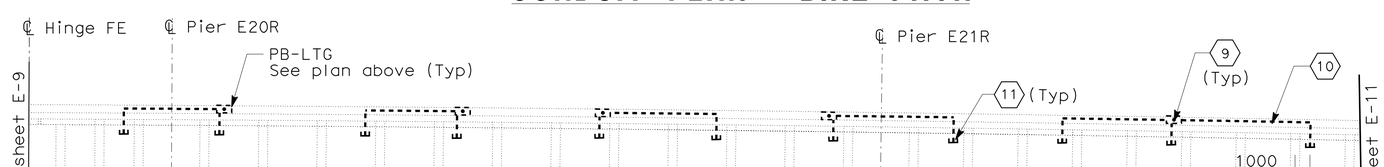
PB AMERICAS, Inc.
303 Second St., Suite 700N
San Francisco, CA 94107-1317



CONDUIT PLAN - ROADWAY



CONDUIT PLAN - BIKE PATH



LIGHT PIPE CONDUIT LOCATION

NOTES:

1. References:
   - For typical details and locations of conduit connections to light poles, barrier outlet boxes, and call boxes, see sheets E-38 through E-40.
   - TOS equipment is shown for conduit routing only. For typical details of TOS controller and devices, see sheets starting at E-190.
   - For types of pull boxes and enclosures, see sheet E-43.
   - For conduit and tray, cable and circuit schedules, see sheets starting at E-205.
   - For Bike Path Plan and Sections, refer to sheets E-41 and E-42.
   - For UP-272 and LP-282 panel schedules, refer to sheets E-50 and E-51.
   - For Roadway Level, Bike Path Fixture and Light Pipe Wiring Diagram, see sheets E-52 through E-56.
   - For Roadway Level, Bike Path Lighting Fixture Schedule, see sheet E-57.
2. For electrical equipment or devices removed, see sheets E-153 through E-160.

SHEET NOTES:

(1) Conduits 5411 & 5412 from PB-LTG down into Girder Level. See sheet E-19 for continuation. Conduit 5413 from PB-COM down into girder. See E-19 for continuation.

(2) Conduit down into Girder Level. See sheet E-19.

(3) For Service Platform #23E Details, See sheet E-34.

(4) For locations of conduit inside the Bike Path Railing, see sheets E-41 and E-42.

(5) Panel and circuit number in top line apply to lights located in the railing on the north side of the Bike Path. Panel and circuit numbers in the bottom of the line apply to lights located in the railing on the south side of the Bike Path.

(6) For call box conduit location, see sheet E-40.

(7) Conduits 5391 & 5392 from PB-LTG down into girder. See E-19 for continuation. Conduit 5390 from PB-COM down into girder. See E-19 for continuation.

(8) All conduits and fittings routed exposed between the Bike path and the Roadway shall be rigid galvanized steel, PVC coated.

(9) Down, conduit stub-up for future light pipe.

(10) All conduit stub outs shall be 21 mm rigid steel conduit.

(11) Extend conduit minimum 150 mm from exterior face of the roadway barrier. Exposed conduit shall be rigid galvanized steel, PVC coated. The end of conduit shall be capped for future use.

(12) For conduit stub up plan, see sheet E-39.

ROADWAY AND GIRDER LEVEL EASTBOUND
(LIGHTING AND ELECTRICAL SYSTEMS)
FRAME 2
SCALE 1:200

E-10

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: BRADY NADELL
CALCULATED-DESIGNED BY: JEFFRI HALIM
CHECKED BY: DAVID OTO
REVISED BY / DATE REVISED

LAST REVISION 08-17-09
DATE PLOTTED => 06-OCT-2011
TIME PLOTTED => 06:42