Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	1	49

STATE OF CALIFORNIA

DEPARTMENT OF TRANSPORTATION

IM-010-4(062)144E

PROJECT PLANS FOR CONSTRUCTION ON

STATE HIGHWAY

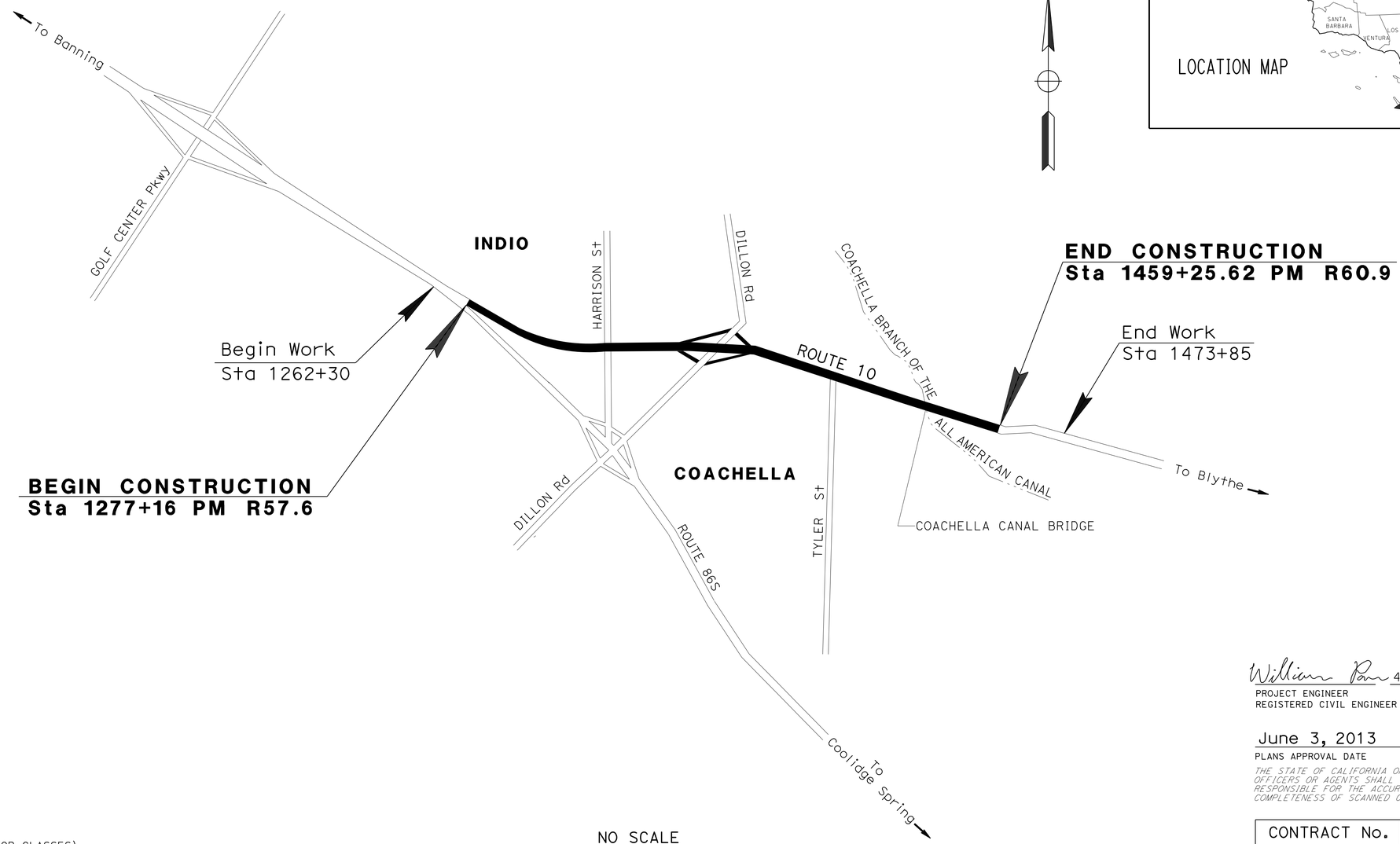
IN RIVERSIDE COUNTY
IN AND NEAR COACHELLA
FROM SOUTH JUNCTION ROUTE 86S
TO 0.5 MILE EAST OF COACHELLA CANAL BRIDGE

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010

INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2-5	TYPICAL CROSS SECTIONS
6-18	LAYOUT
19-22	CONSTRUCTION DETAILS
23	TEMPORARY WATER POLLUTION CONTROL QUANTITIES
24	CONSTRUCTION AREA SIGNS
25-29	MOTORIST INFORMATION PLAN AND QUANTITIES
30-40	STAGE CONSTRUCTION PLANS AND TRAFFIC HANDLING PLANS AND QUANTITIES
41	PAVEMENT DELINEATION QUANTITIES
42-44	SUMMARY OF QUANTITIES
45-49	REVISED AND NEW STANDARD PLANS

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



NO SCALE

LOCATION MAP

William Pan 4-29-13
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

June 3, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
WILLIAM PAN
No. 74056
Exp. 6-30-13
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.

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

CONTRACT No.	08-0K2304
PROJECT ID	0800000337

PROJECT MANAGER: JUAN LIZARDE
DESIGN ENGINEER: WILLIAM PAN

LAST REVISION 04-29-13
DATE PLOTTED => 07-AUG-2013
TIME PLOTTED => 06:02

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	2	49

William Pan 4-29-13
REGISTERED CIVIL ENGINEER DATE

6-3-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
WILLIAM PAN
No. 74056
Exp. 6-30-13
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.

NOTES:

1. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
2. DIMENSIONS OF THE STRUCTURAL SECTIONS ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
3. SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER.
4. FOR LOCATIONS AND CONSTRUCTION DETAILS OF THE PCC SLAB REPLACEMENT, SEE C AND Q SHEETS AND STD PLANS.
5. EXACT LOCATIONS FOR THE PCC SLAB REPLACEMENT SHALL BE DETERMINED BY THE RESIDENT ENGINEER.
6. RHMA-SP-G: RUBBERIZED HOT MIX ASPHALT, SUPERPAVE (GAP GRADED).
7. HMA (TYPE A) : HOT MIX ASPHALT (TYPE A).
8. SLAB REPLACEMENT SHALL CONFORM TO 2010 STD RSP P8, SLAB LAYOUT-TYPE II.

DESIGN DESIGNATION (ROUTE 10)

ADT (2013) = 26,900 D = 63%
ADT (2033) = 50,400 T = 19%
DHV = 4,680 V = 70 MPH
ESAL = 110 665 107 TI_{20} = 16.0

PAVEMENT CLIMATE REGION
DESERT

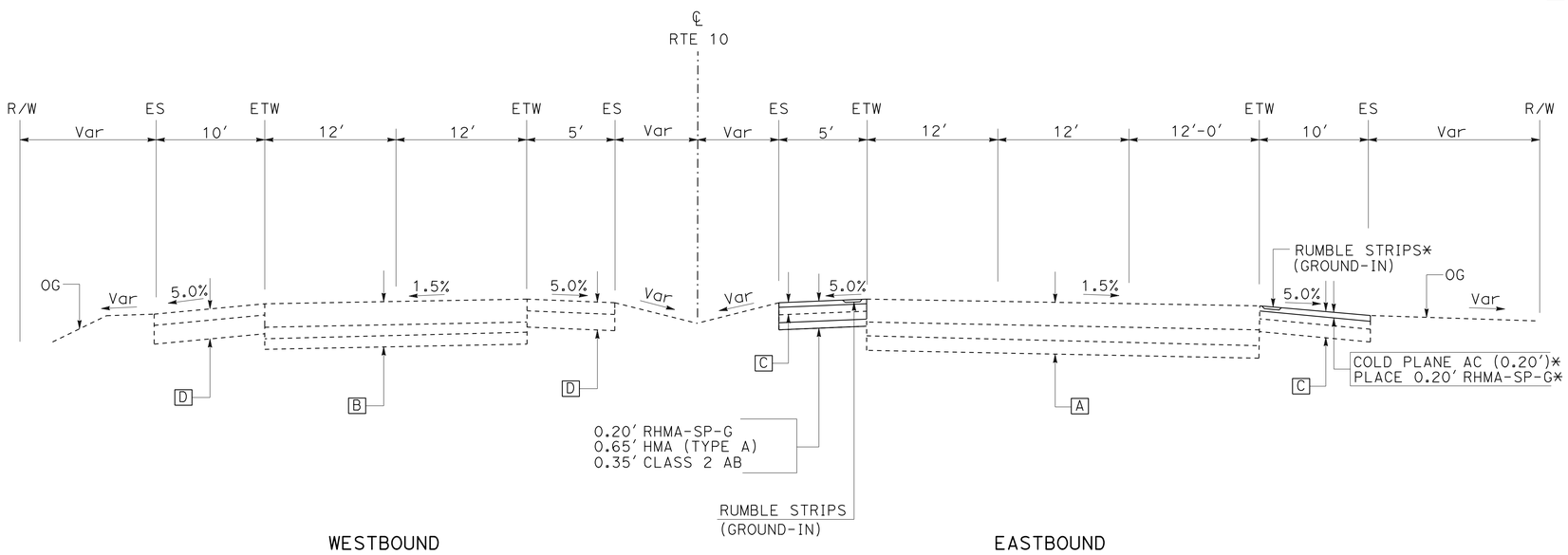
EXISTING STRUCTURAL SECTIONS

A
- 0.65′ PCC
- 0.45′ CLASS A CTB
- 0.25′ CLASS 2 AB
- 0.60′ CLASS 4 AS

B
- 0.70′ PCC
- 0.45′ CLASS A CTB
- 0.25′ CLASS 2 AB
- 0.50′ CLASS 4 AS

C
- 0.20′ AC (TYPE B) FOG SEAL
- Var CLASS 2 AB
- 0.50′ CLASS 4 AS

D
- 0.30′ AC (TYPE B) FOG SEAL
- Var CLASS 2 AB
- 0.50′ CLASS 4 AS



ROUTE 10

Sta 1277+16 TO Sta 1285+00
* Sta 1283+55.31 TO Sta 1285+00 EB

TYPICAL CROSS SECTIONS
NO SCALE

X-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN
FUNCTIONAL SUPERVISOR: RENEE SASSE
CALCULATED-DESIGNED BY: WILLIAM PAN
CHECKED BY: JOSEPH NOPRE
REVISED BY
DATE REVISED

LAST REVISION 04-29-13
DATE PLOTTED => 04-JUN-2013
TIME PLOTTED => 15:23

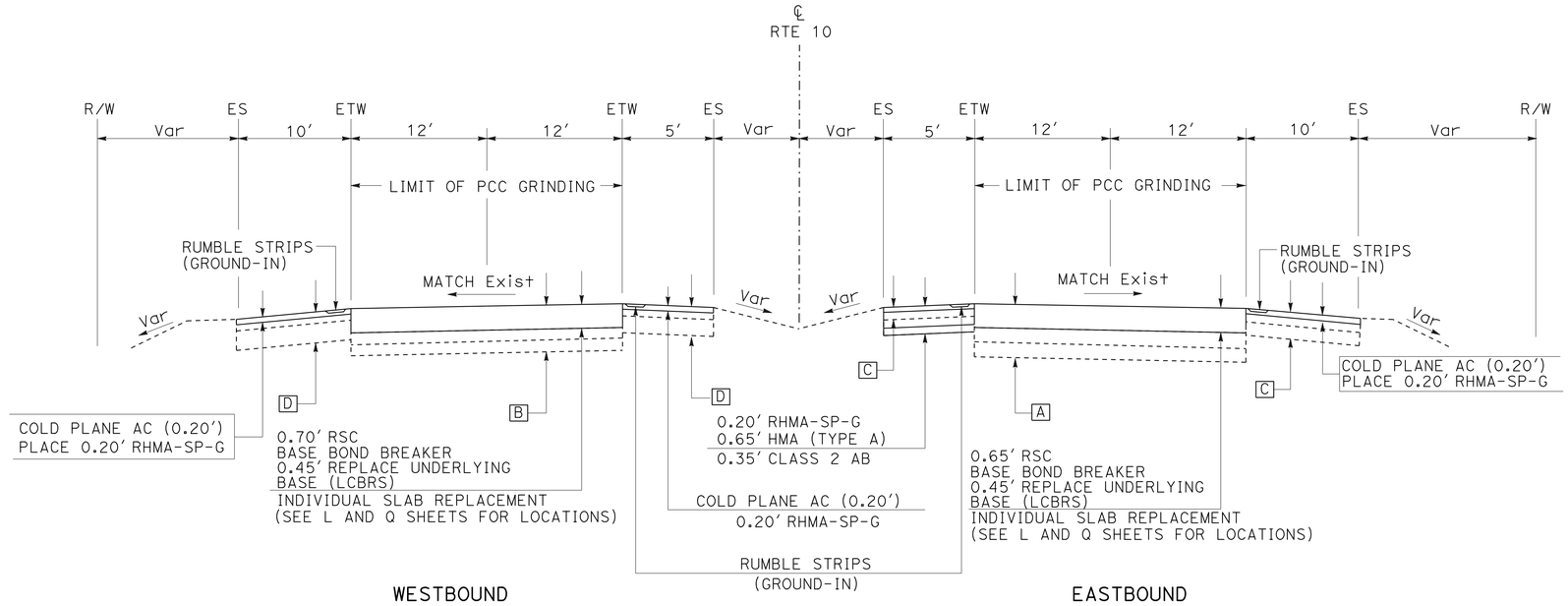
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	3	49

William Pan 5-9-13
REGISTERED CIVIL ENGINEER DATE

6-3-13
PLANS APPROVAL DATE

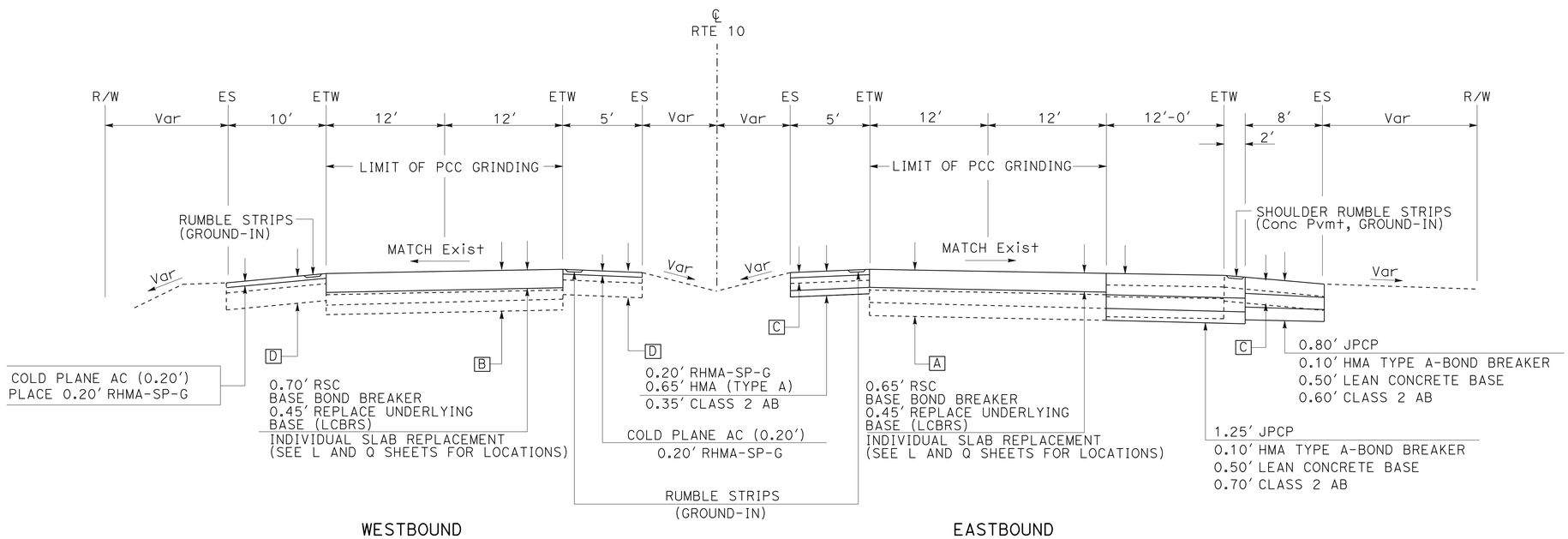
REGISTERED PROFESSIONAL ENGINEER
WILLIAM PAN
No. 74056
Exp. 6-30-13
CIVIL
STATE OF CALIFORNIA

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.



ROUTE 10

Sta 1296+71.12 TO Sta 1301+00



ROUTE 10

Sta 1285+00 TO Sta 1296+71.12

TYPICAL CROSS SECTIONS

NO SCALE

X-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DESIGN

FUNCTIONAL SUPERVISOR: RENEE SASSE
CALCULATED-DESIGNED BY: JOSEPH NOPRE
CHECKED BY: WILLIAM PAN
REVISED BY
DATE REVISED

LAST REVISION 05-09-13
DATE PLOTTED => 04-JUN-2013
TIME PLOTTED => 15:23

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	4	49

REGISTERED CIVIL ENGINEER 5-9-13 DATE

6-3-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
WILLIAM PAN
No. 74056
Exp. 6-30-13
CIVIL
STATE OF CALIFORNIA

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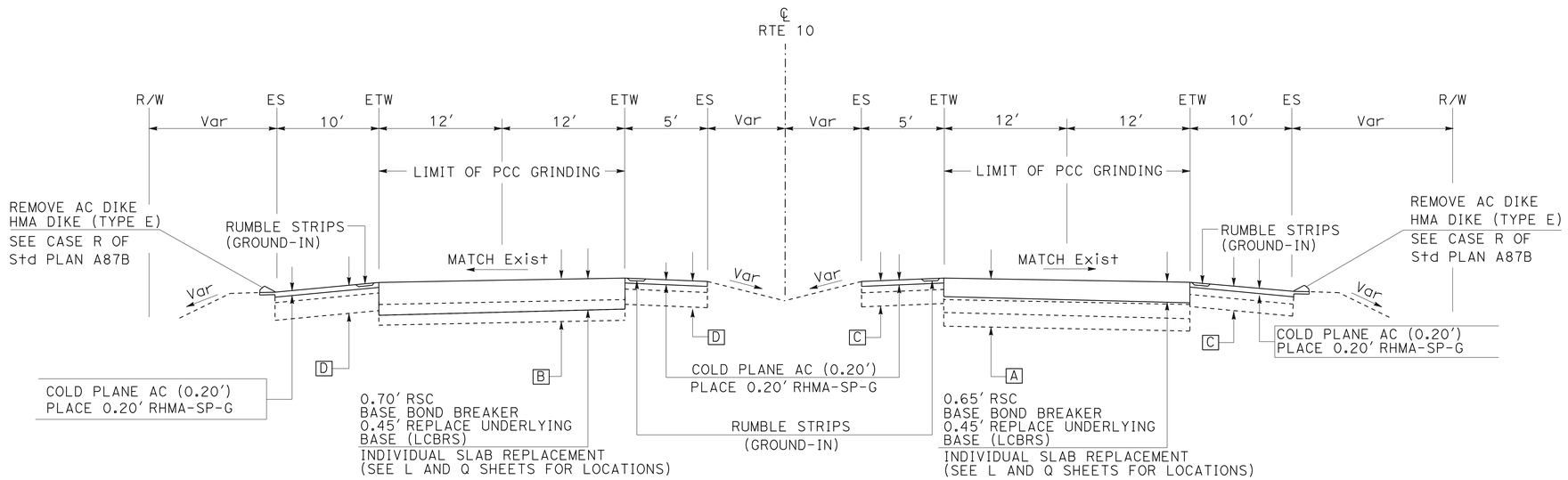

ROUTE 10

Sta 1301+00 TO Sta 1459+25.62

TYPICAL CROSS SECTIONS

NO SCALE

X-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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FUNCTIONAL SUPERVISOR: RENEE SASSE
CALCULATED-DESIGNED BY: JOSEPH NOPRE
CHECKED BY: WILLIAM PAN
REVISED BY
DATE REVISED

LAST REVISION 05-09-13
DATE PLOTTED => 04-JUN-2013
TIME PLOTTED => 15:23

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	5	49

REGISTERED CIVIL ENGINEER 5-9-13 DATE

6-3-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
WILLIAM PAN
No. 74056
Exp. 6-30-13
CIVIL
STATE OF CALIFORNIA

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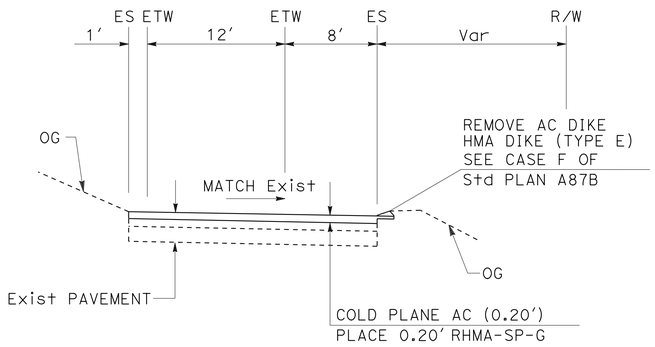
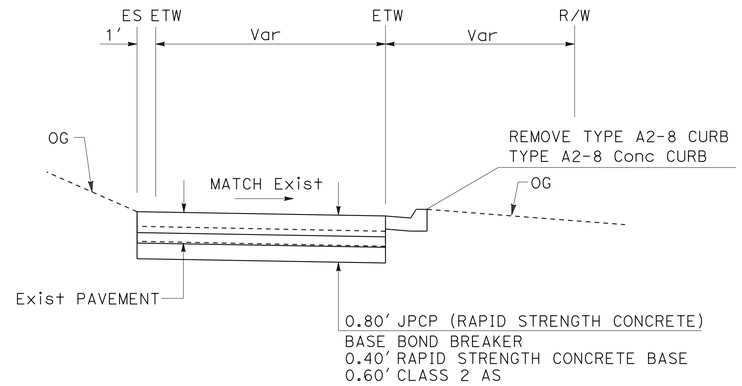
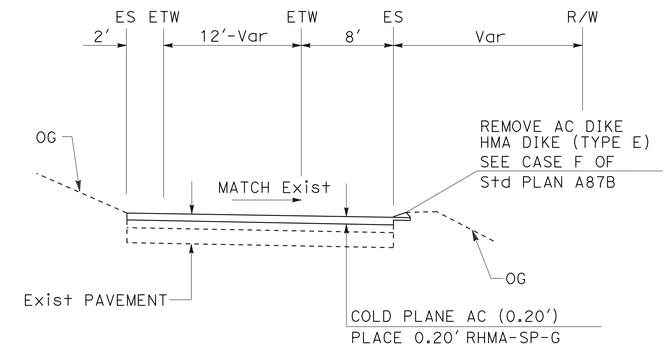


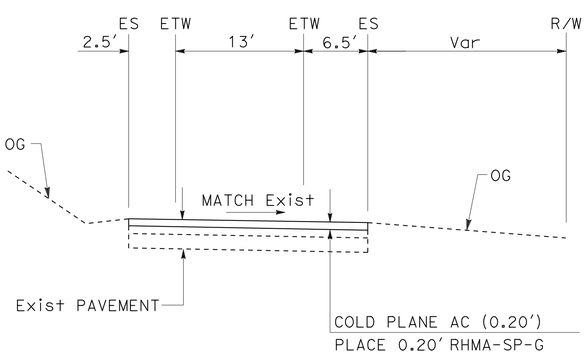
EASTBOUND EXIT RAMP DILLON ROAD



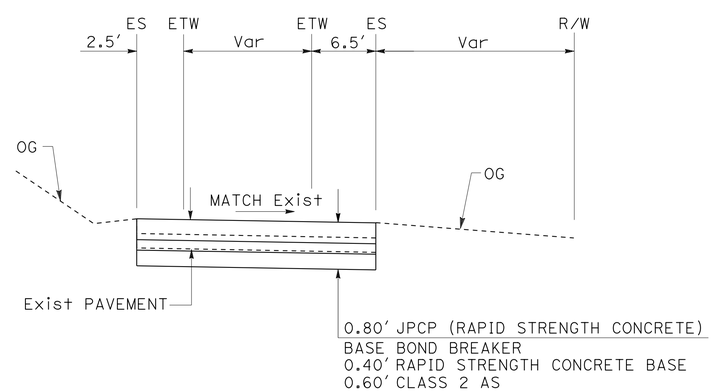
EASTBOUND EXIT RAMP TERMINUS DILLON ROAD



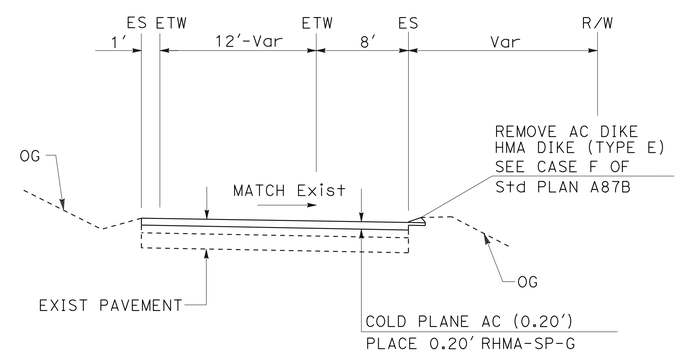
EASTBOUND ENTRANCE RAMP DILLON ROAD



WESTBOUND EXIT RAMP DILLON ROAD



WESTBOUND EXIT RAMP TERMINUS DILLON ROAD



WESTBOUND ENTRANCE RAMP DILLON ROAD

TYPICAL CROSS SECTIONS

NO SCALE

X-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DESIGN

FUNCTIONAL SUPERVISOR: RENEE SASSE
CALCULATED-DESIGNED BY: JOSEPH NOPRE
CHECKED BY: WILLIAM PAN
REVISED BY
DATE REVISED

LAST REVISION 05-09-13
DATE PLOTTED => 04-JUN-2013
TIME PLOTTED => 15:23

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	6	49

William Pan 4-29-13
REGISTERED CIVIL ENGINEER DATE

6-3-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
WILLIAM PAN
No. 74056
Exp. 6-30-13
CIVIL
STATE OF CALIFORNIA

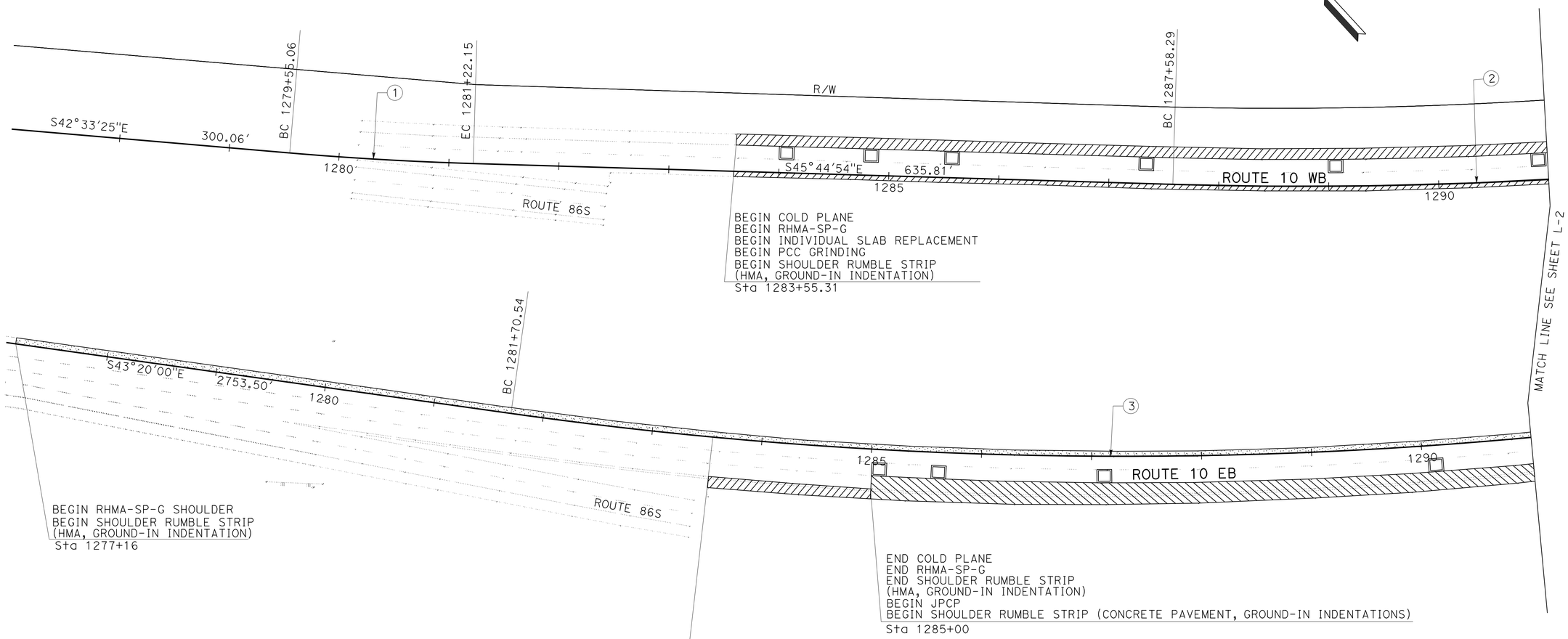
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR RAMP TERMINUS CONSTRUCTION DETAILS, SEE C SHEETS.
3. FOR CONCRETE PAVEMENT JOINTS, DOWELS AND TIE BARS, SEE STANDARD PLANS.
4. CONCRETE PAVEMENT - FOR LANE DROP AND SHOULDER CONSTRUCTION, SEE STD PLAN P33, TYPE I.
5. FOR RSP CONSTRUCTION DETAILS, SEE C SHEETS.
6. SLAB REPLACEMENT SHALL CONFORM TO 2010 STD RSP P8, SLAB LAYOUT-TYPE II.

LEGEND:

- INDIVIDUAL SLAB REPLACEMENT (RAPID STRENGTH CONCRETE)
- COLD PLANE AC PAVEMENT & RHMA-SP-G OVERLAY.
- JOINTED PLAIN CONCRETE PAVEMENT
- REMOVE AND RECONSTRUCT EXISTING SHOULDER
- XX REMOVE AC DIKE, PLACE HMA DIKE
- JOINTED PLAIN CONCRETE PAVEMENT (RAPID STRENGTH CONCRETE)



EXISTING UTILITIES	TYPE	OWNER & ABBREVIATION
—-e—— ——-e—	ELECTRIC LINE (UNDERGROUND)	IID ENERGY (IID)
—-e—— ——-(oh)-	ELECTRIC LINE (OVERHEAD)	IID ENERGY (IID)
—--t—— ——--t—	TELEPHONE LINE (UNDERGROUND)	VERIZON (VERIZON)
—-g—— -——-g—	GAS LINE (UNDERGROUND)	SOUTHERN CALIFORNIA GAS (SCG)
-——w—— ——— ——w—	WATER LINE (UNDERGROUND)	COACHELLA VALLEY WATER DISTRICT (CVWD)
—--s—— --——--s-	SEWER LINE (UNDERGROUND)	CITY OF COACHELLA (COC)
		CITY OF COACHELLA (COC)

CURVE DATA

No. ⊕	R	Δ	T	L
1	3000.00'	3°11'29"	83.57'	167.10'
2	3999.56'	44°14'57"	1626.05'	3088.83'
3	3999.51'	50°32'40"	1888.19'	3528.24'

LAYOUT
SCALE: 1" = 50'

L-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: RENEE SASSE
CALCULATED-DESIGNED BY: JOSEPH NOPRE
CHECKED BY: WILLIAM PAN
REVISED BY
DATE REVISED

LAST REVISION 04-29-13
DATE PLOTTED => 04-JUN-2013
TIME PLOTTED => 15:23

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	7	49

William Pan 4-29-13
REGISTERED CIVIL ENGINEER DATE

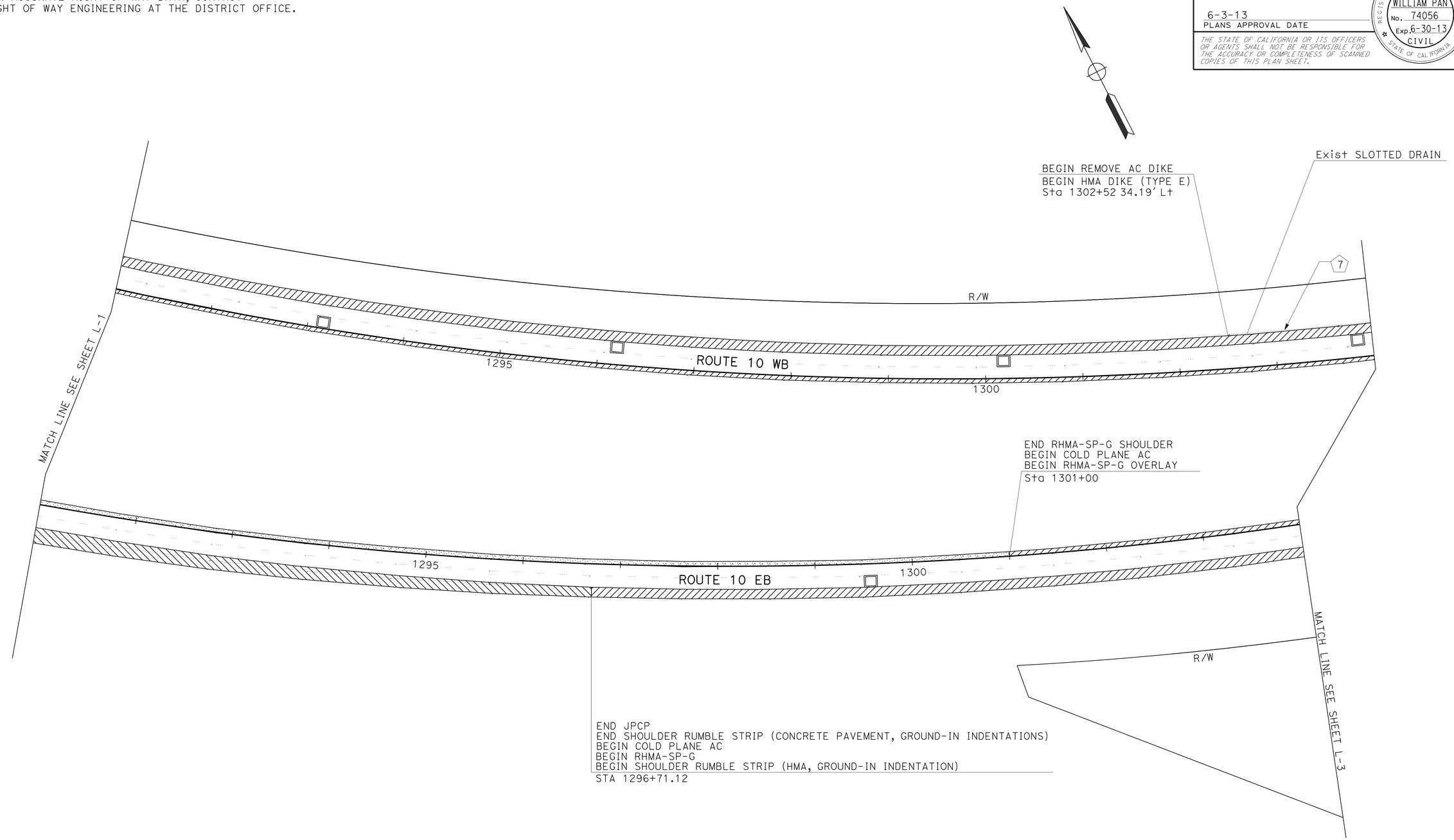
6-3-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
WILLIAM PAN
No. 74056
Exp. 6-30-13
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.

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



LAYOUT

SCALE: 1" = 50'

L-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: RENEE SASSE
CALCULATED-DESIGNED BY: JOSEPH NOPRE
CHECKED BY: WILLIAM PAN
REVISED BY
DATE REVISED

LAST REVISION 04-29-13
DATE PLOTTED => 04-JUN-2013
TIME PLOTTED => 15:24

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	8	49

William Pan 4-29-13
REGISTERED CIVIL ENGINEER DATE

6-3-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
WILLIAM PAN
No. 74056
Exp. 6-30-13
CIVIL
STATE OF CALIFORNIA

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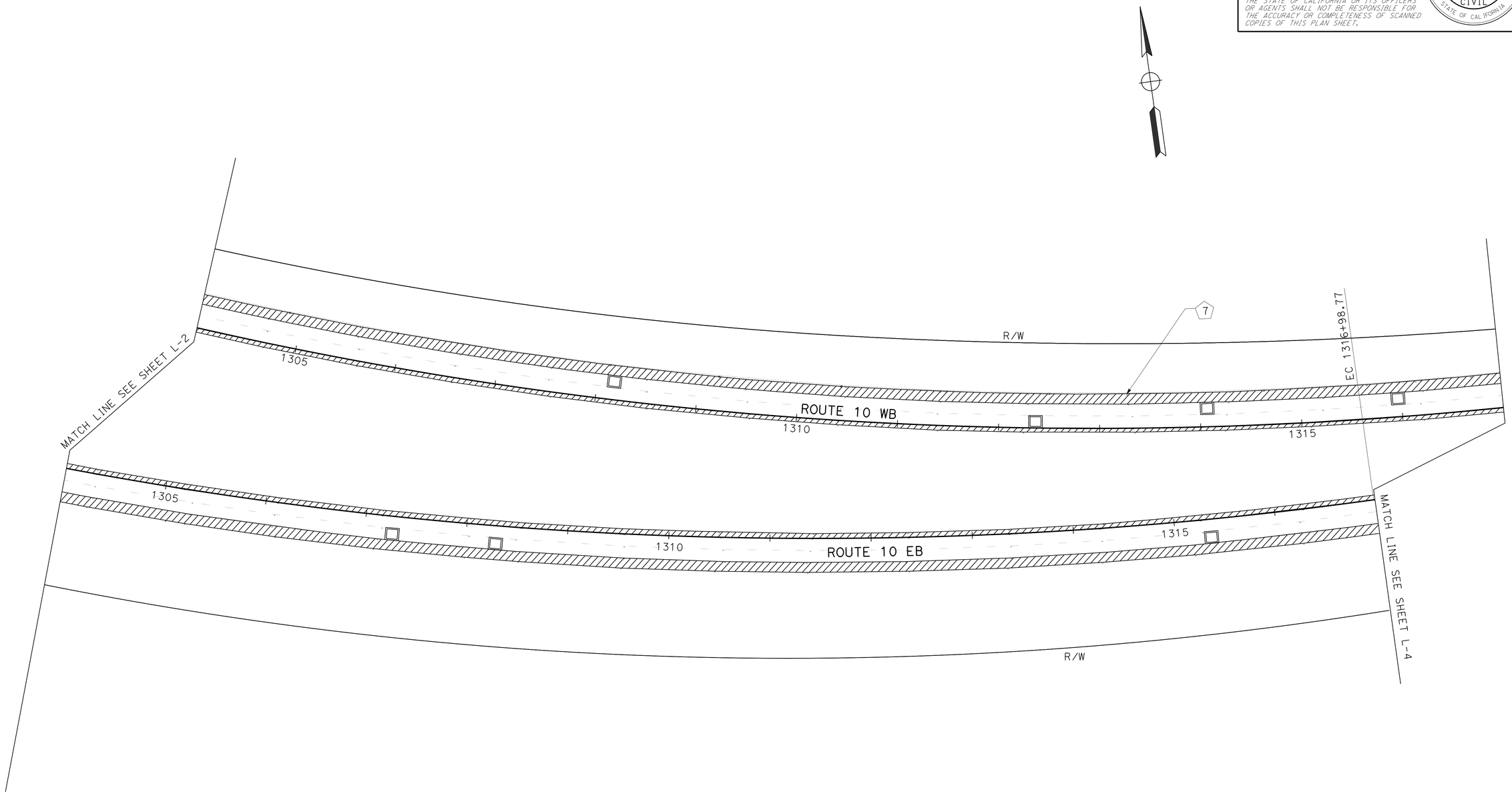
NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



LAYOUT
SCALE: 1" = 50'

L-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: RENEE SASSE
CALCULATED-DESIGNED BY: JOSEPH NOPRE
CHECKED BY: WILLIAM PAN
REVISED BY
DATE REVISED

LAST REVISION 04-29-13
DATE PLOTTED => 04-JUN-2013
TIME PLOTTED => 15:24

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	9	49

William Pan 4-29-13
REGISTERED CIVIL ENGINEER DATE

6-3-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
WILLIAM PAN
No. 74056
Exp. 6-30-13
CIVIL
STATE OF CALIFORNIA

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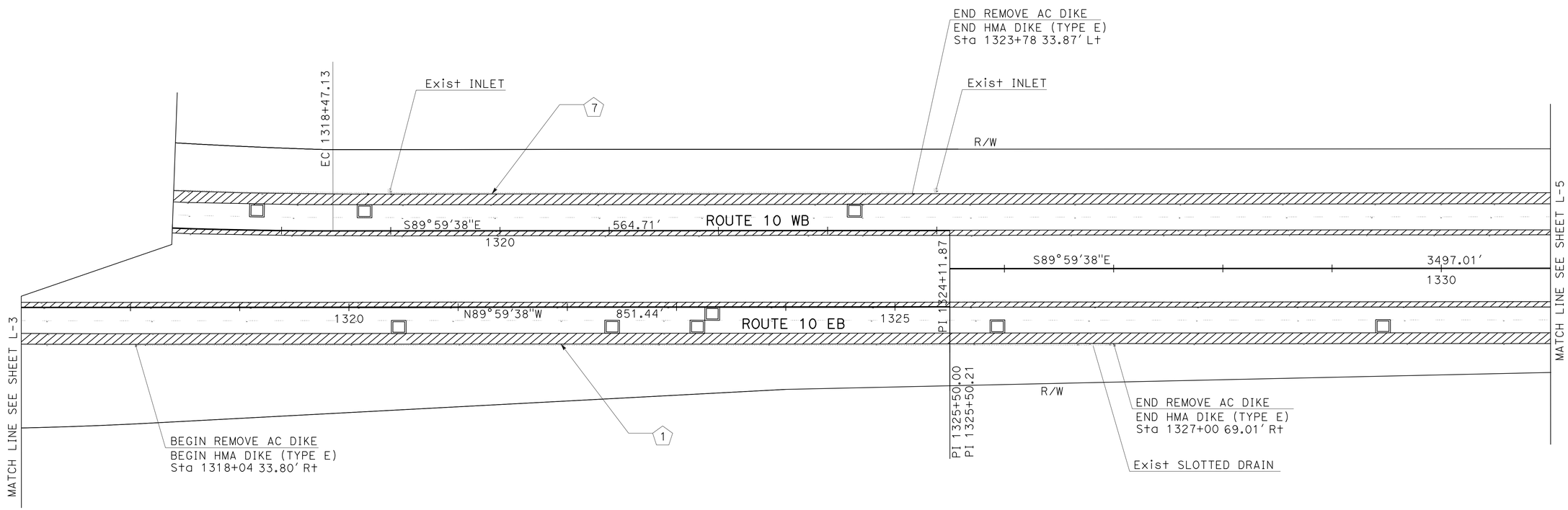
NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



LAYOUT

SCALE: 1" = 50'

L-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: RENEE SASSE
CALCULATED-DESIGNED BY: JOSEPH NOPRE
CHECKED BY: WILLIAM PAN
REVISED BY
DATE REVISED

LAST REVISION 04-29-13
DATE PLOTTED => 04-JUN-2013
TIME PLOTTED => 15:24

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	10	49

William Pan 4-29-13
REGISTERED CIVIL ENGINEER DATE

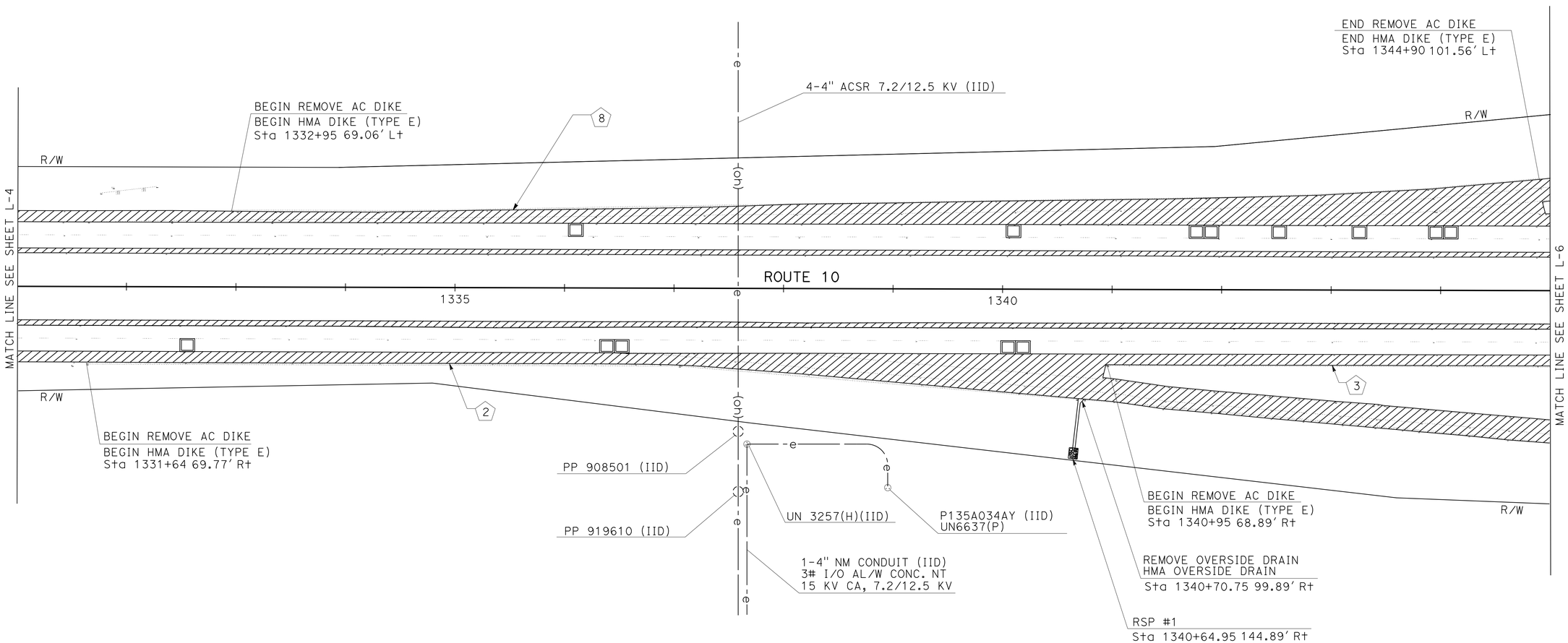
6-3-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
WILLIAM PAN
No. 74056
Exp. 6-30-13
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.

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



LAYOUT
SCALE: 1" = 50'

L-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: RENEE SASSE
CALCULATED-DESIGNED BY: JOSEPH NOPRE
CHECKED BY: WILLIAM PAN
REVISED BY
DATE REVISED

LAST REVISION 04-29-13
DATE PLOTTED => 04-JUN-2013
TIME PLOTTED => 15:04

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	11	49

William Pan 4-29-13
REGISTERED CIVIL ENGINEER DATE

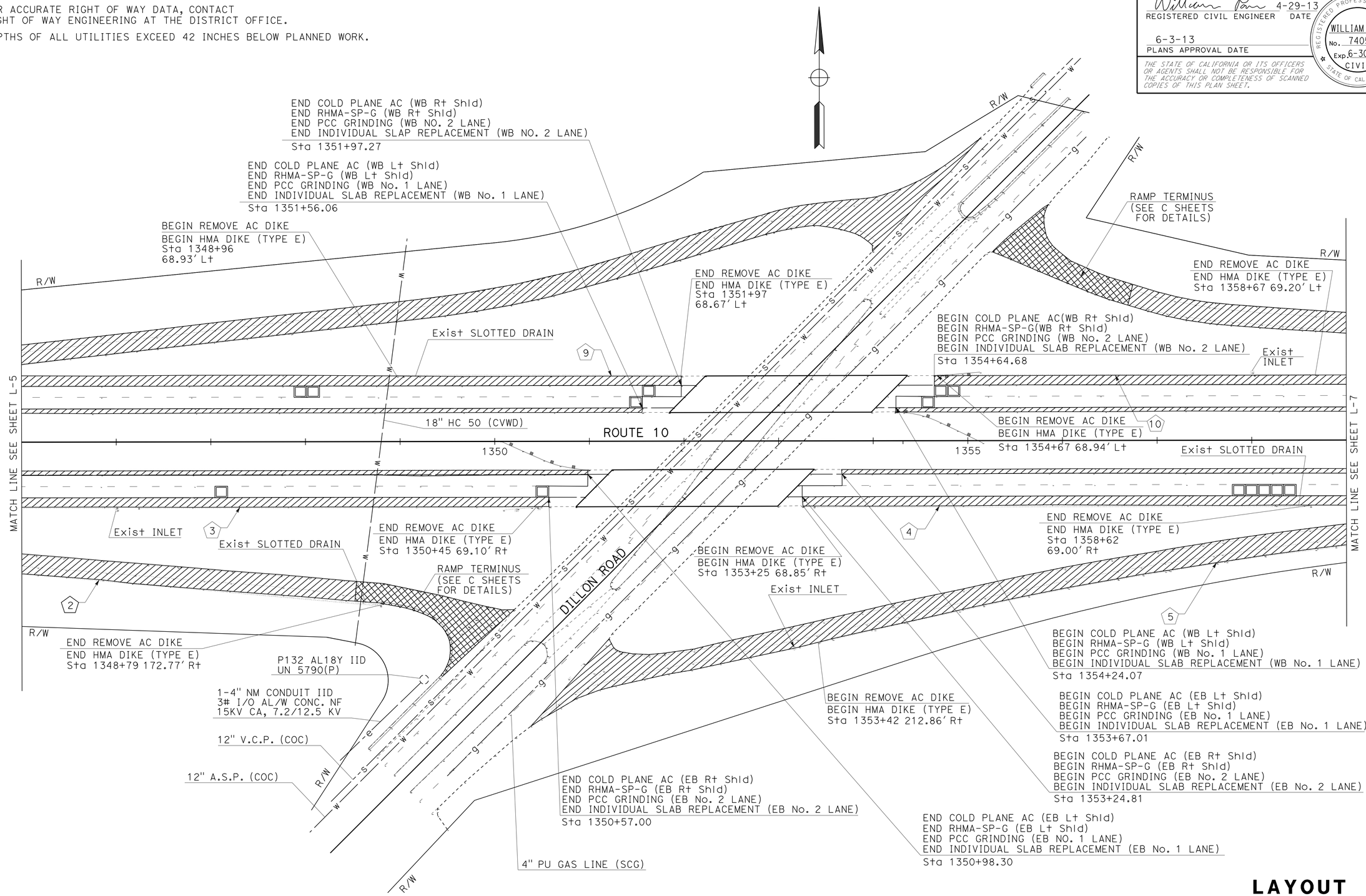
6-3-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
WILLIAM PAN
No. 74056
Exp. 6-30-13
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.

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. DEPTHS OF ALL UTILITIES EXCEED 42 INCHES BELOW PLANNED WORK.



LAYOUT

SCALE: 1" = 50'

L-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: RENEE SASSE
CALCULATED-DESIGNED BY: JOSEPH NOPRE
CHECKED BY: WILLIAM PAN
REVISED BY
DATE REVISED

LAST REVISION 04-29-13
DATE PLOTTED => 05-JUN-2013
TIME PLOTTED => 08:39

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	12	49

William Pan 4-29-13
REGISTERED CIVIL ENGINEER DATE

6-3-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
WILLIAM PAN
No. 74056
Exp. 6-30-13
CIVIL
STATE OF CALIFORNIA

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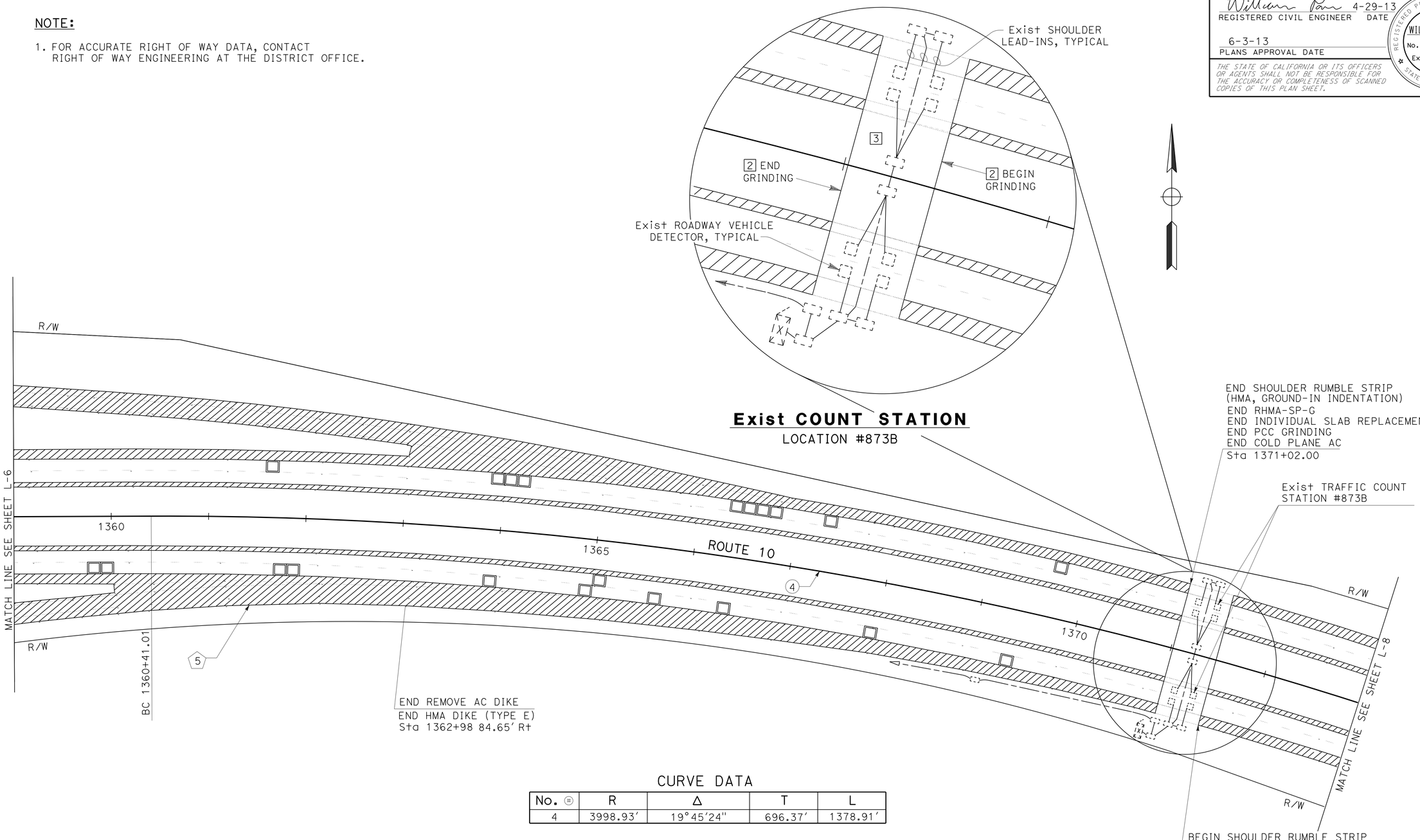
NOTE:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



CURVE DATA

No. ④	R	Δ	T	L
4	3998.93'	19°45'24"	696.37'	1378.91'

LAYOUT

SCALE: 1" = 50'

L-7

REVISED BY	DATE REVISED
JOSEPH NOPRE	WILLIAM PAN
CALCULATED-DESIGNED BY	CHECKED BY
FUNCTIONAL SUPERVISOR	RENEE SASSE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

DESIGN

LAST REVISION 04-29-13 | DATE PLOTTED => 04-JUN-2013 | TIME PLOTTED => 15:04

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	13	49

William Pan 4-29-13
REGISTERED CIVIL ENGINEER DATE

6-3-13
PLANS APPROVAL DATE

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Exp. 6-30-13
CIVIL
STATE OF CALIFORNIA

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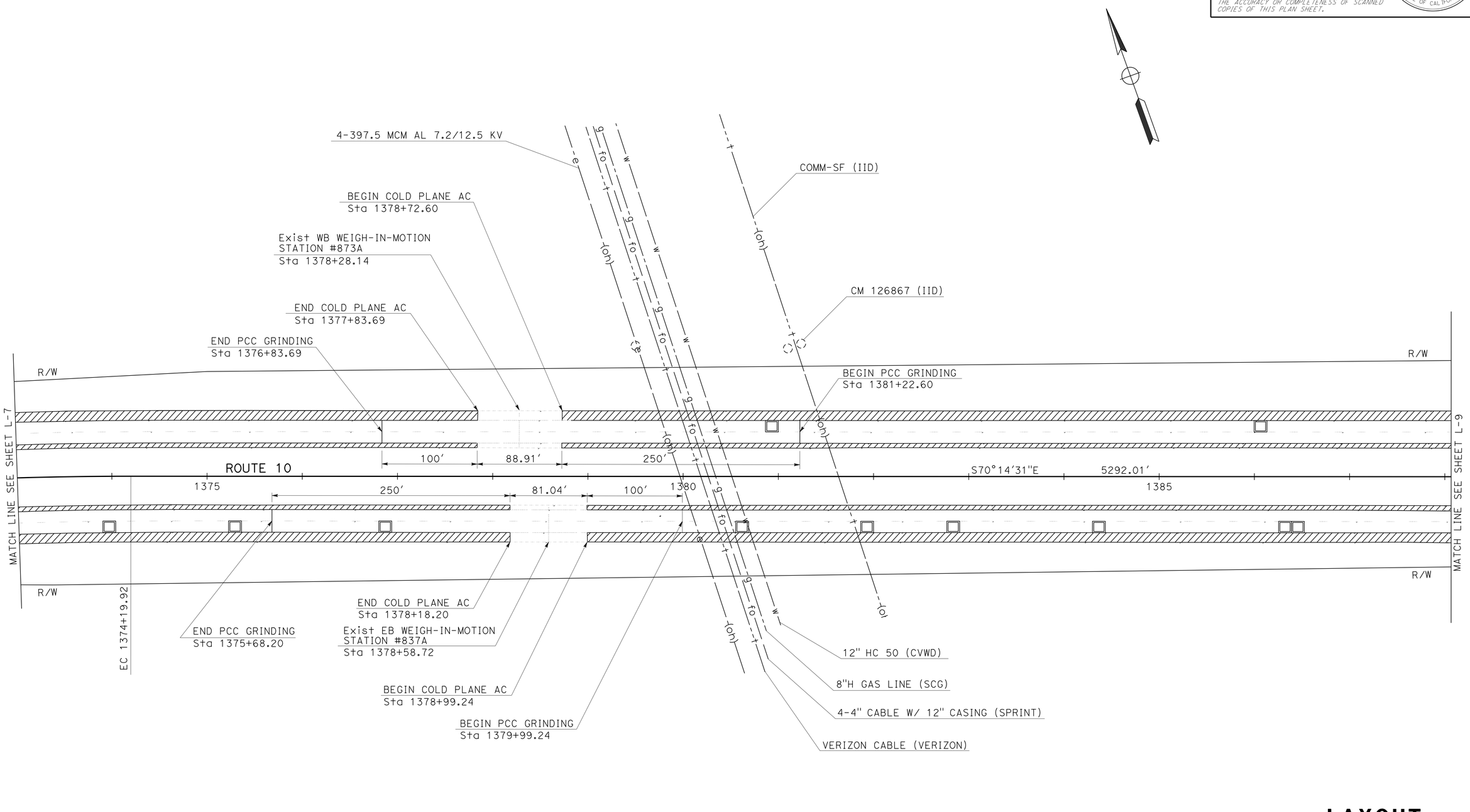
NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. DEPTHS OF ALL UTILITIES EXCEED 42 INCHES BELOW PLANNED WORK.



LAYOUT

SCALE: 1" = 50'

L-8

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: RENEE SASSE

CALCULATED-DESIGNED BY: JOSEPH NOPRE
CHECKED BY: WILLIAM PAN

REVISED BY
DATE REVISED

LAST REVISION 04-29-13
DATE PLOTTED => 04-JUN-2013
TIME PLOTTED => 15:04

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	14	49

William Pan 4-29-13
REGISTERED CIVIL ENGINEER DATE

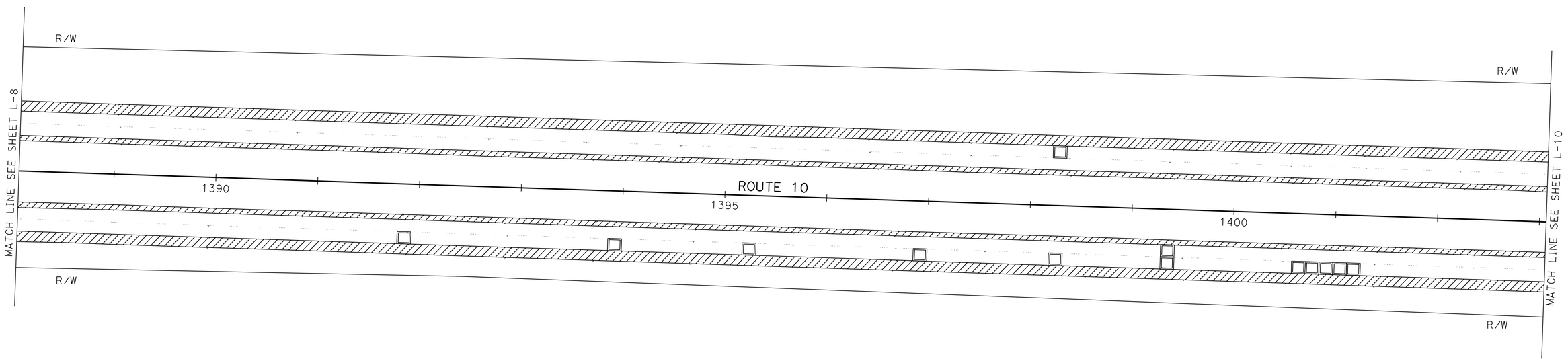
6-3-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
WILLIAM PAN
No. 74056
Exp. 6-30-13
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.

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



LAYOUT
SCALE: 1" = 50'

L-9

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: RENEE SASSE
CALCULATED-DESIGNED BY: JOSEPH NOPRE
CHECKED BY: WILLIAM PAN
REVISED BY
DATE REVISED

LAST REVISION 04-29-13
DATE PLOTTED => 04-JUN-2013
TIME PLOTTED => 15:04

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	15	49

William Pan 4-29-13
REGISTERED CIVIL ENGINEER DATE

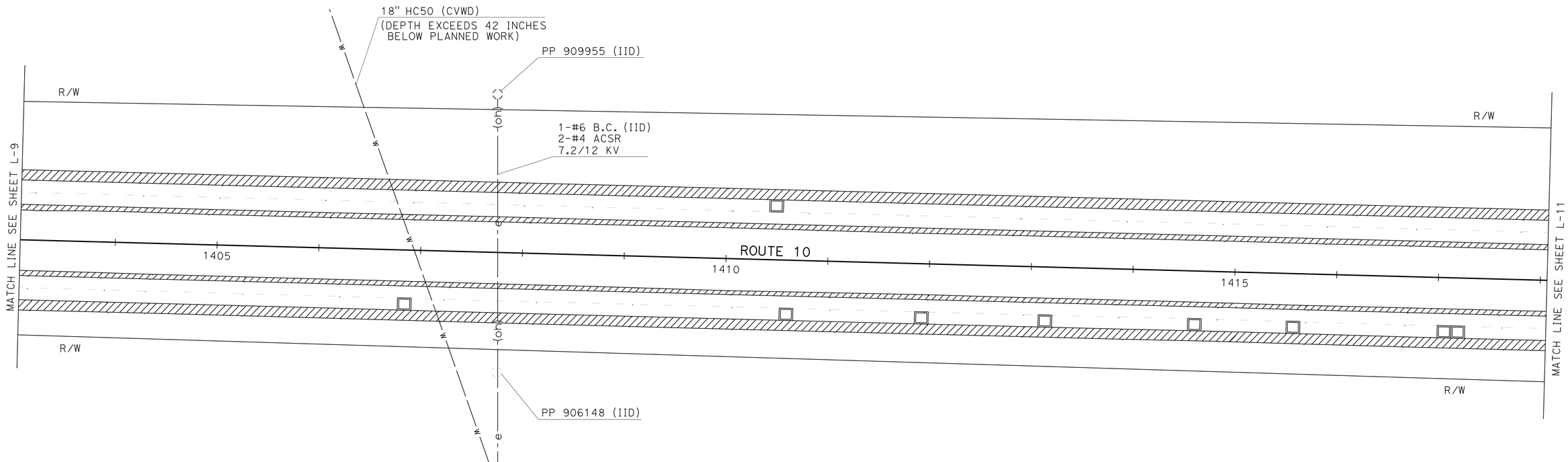
6-3-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
WILLIAM PAN
No. 74056
Exp. 6-30-13
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.

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



LAYOUT
SCALE: 1" = 50'

L-10

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY	CHECKED BY
JOSEPH NOPRE	WILLIAM PAN

FUNCTIONAL SUPERVISOR: RENEE SASSE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

LAST REVISION 04-29-13 | DATE PLOTTED => 04-JUN-2013 | TIME PLOTTED => 15:04

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	16	49

William Pan 4-29-13
REGISTERED CIVIL ENGINEER DATE

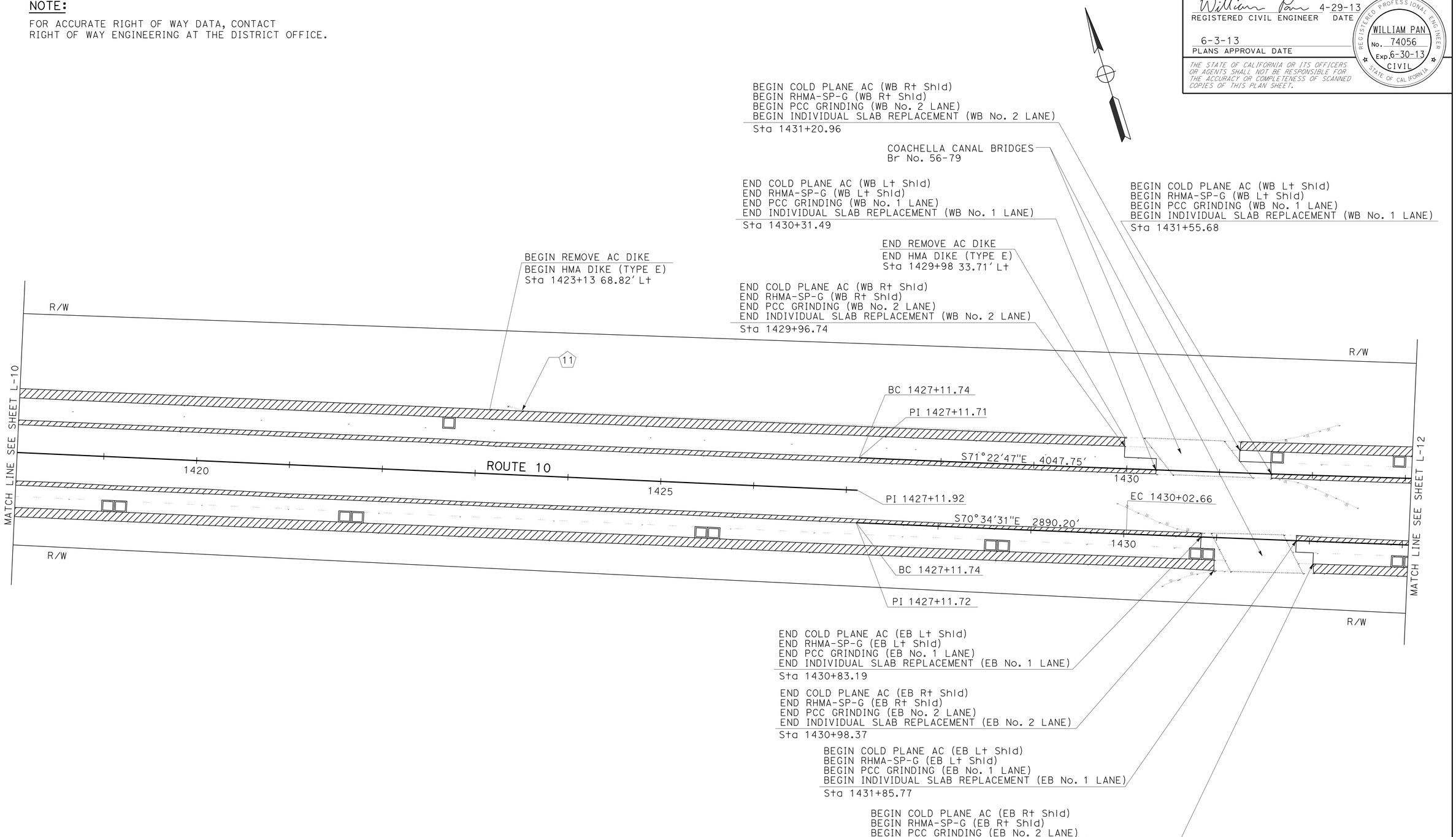
6-3-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
WILLIAM PAN
No. 74056
Exp. 6-30-13
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.

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



LAYOUT

SCALE: 1" = 50'

L-11

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY	CHECKED BY
JOSEPH NOPRE	WILLIAM PAN

FUNCTIONAL SUPERVISOR: RENEE SASSE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

DESIGN

LAST REVISION 04-29-13 | DATE PLOTTED => 04-JUN-2013 | TIME PLOTTED => 15:04

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	17	49

William Pan 4-29-13
REGISTERED CIVIL ENGINEER DATE

6-3-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
WILLIAM PAN
No. 74056
Exp. 6-30-13
CIVIL
STATE OF CALIFORNIA

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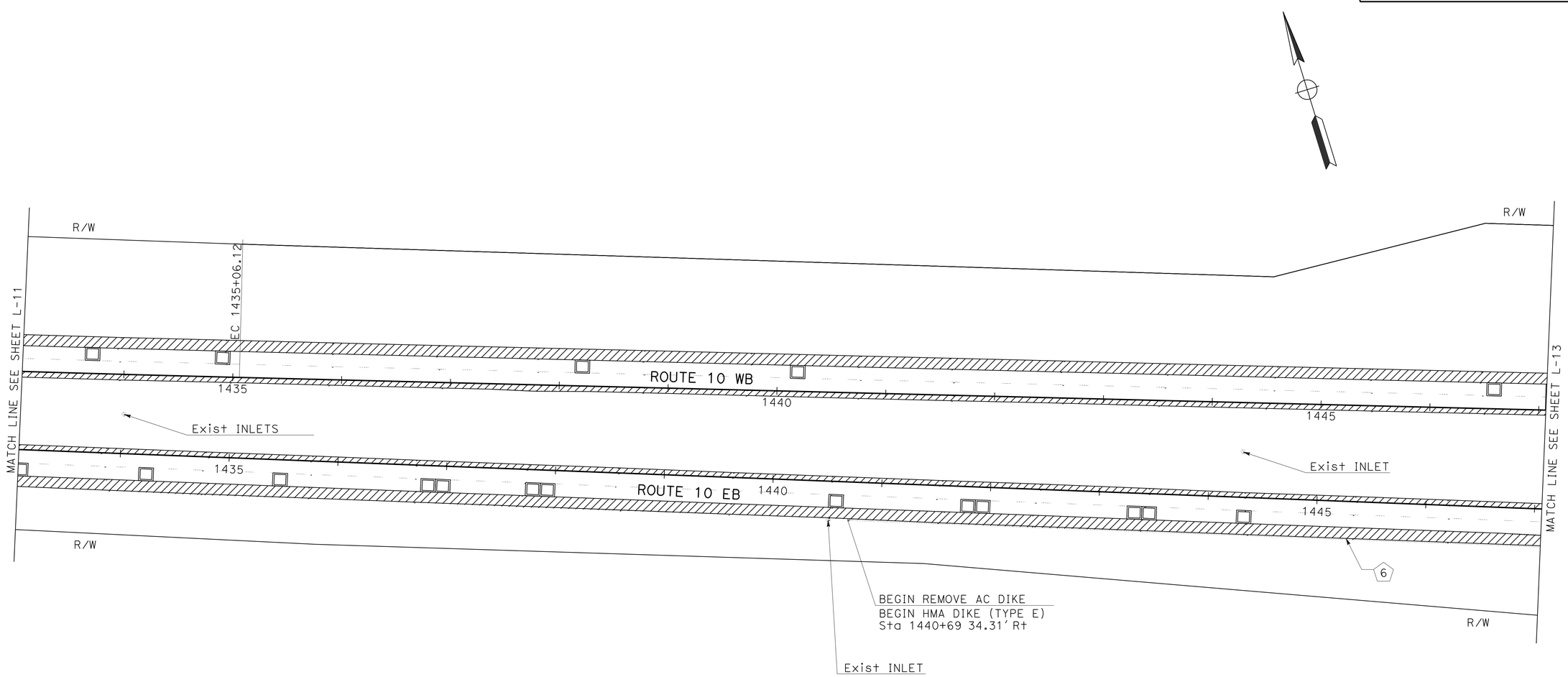
NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



LAYOUT
SCALE: 1" = 50'

L-12

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DESIGN

FUNCTIONAL SUPERVISOR: RENEE SASSE
CALCULATED-DESIGNED BY: JOSEPH NOPRE
CHECKED BY: WILLIAM PAN
REVISED BY
DATE REVISED

LAST REVISION 04-29-13
DATE PLOTTED => 05-JUN-2013
TIME PLOTTED => 07:35

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	18	49

William Pan 4-29-13
REGISTERED CIVIL ENGINEER DATE

6-3-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
WILLIAM PAN
No. 74056
Exp. 6-30-13
CIVIL
STATE OF CALIFORNIA

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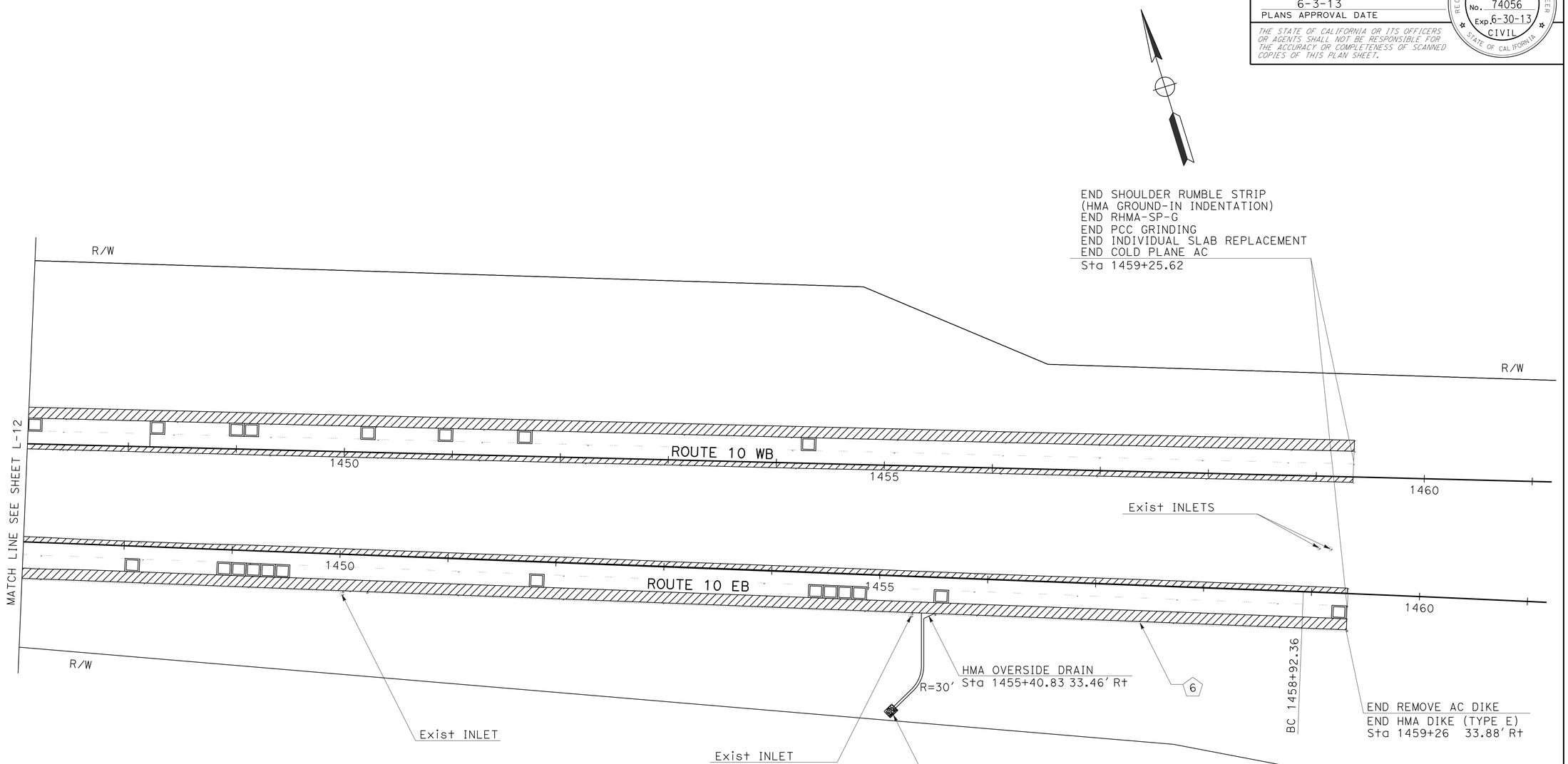
NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



LAYOUT
SCALE: 1" = 50'

L-13

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: RENEE SASSE
CALCULATED-DESIGNED BY: JOSEPH NOPRE
CHECKED BY: WILLIAM PAN
REVISED BY
DATE REVISED

LAST REVISION 04-29-13
DATE PLOTTED => 05-JUN-2013
TIME PLOTTED => 07:35

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	19	49

William Pan 4-29-13
REGISTERED CIVIL ENGINEER DATE

6-3-13
PLANS APPROVAL DATE

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WILLIAM PAN
No. 74056
Exp. 6-30-13
CIVIL
STATE OF CALIFORNIA

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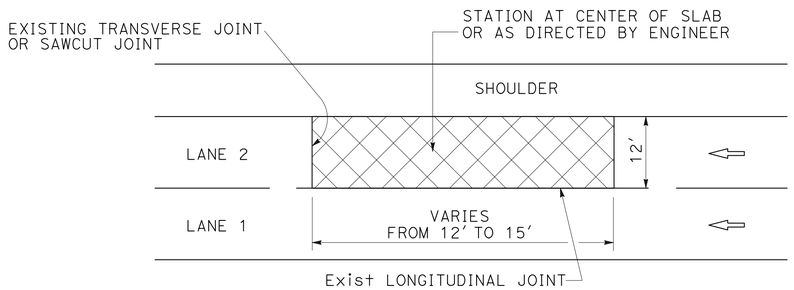
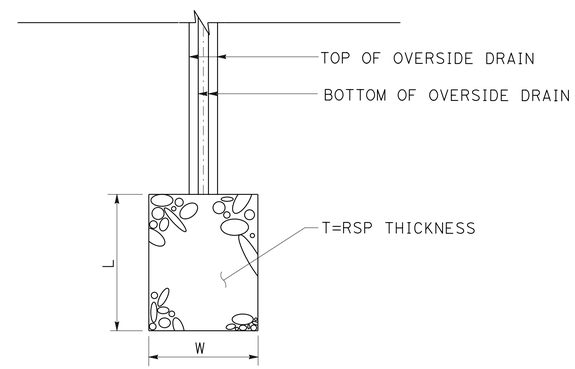
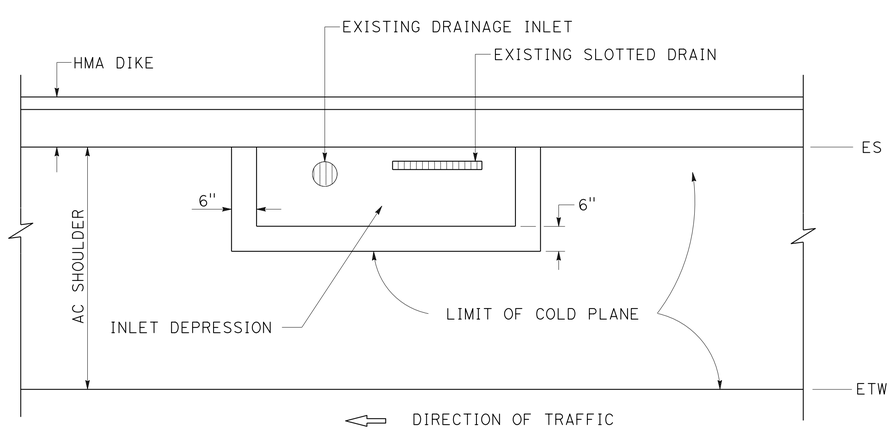


REPLACING CONCRETE PAVEMENT SLAB
TYPICAL PLAN



TYPICAL RSP DETAIL

RSP DESIGN						
RSP No.	L FT	W FT	T FT	RSP-CLASS LAYER	METHOD OF PLACEMENT	FABRIC TYPE
1	10	8	0.75	BACKING No. 3	B	CLASS 8
2	10	8	0.75	BACKING No. 3	B	CLASS 8



TYPICAL LIMIT OF COLD PLANE
AT DRAINAGE INLET OR SLOTTED DRAIN

CONSTRUCTION DETAILS
NO SCALE

C-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: RENEE SASSE
CALCULATED-DESIGNED BY: JOSEPH NOPRE
CHECKED BY: WILLIAM PAN
REVISED BY
DATE REVISED

LAST REVISION 04-29-13
DATE PLOTTED => 05-JUN-2013
TIME PLOTTED => 07:35

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	20	49

William Pan 5-9-13
REGISTERED CIVIL ENGINEER DATE

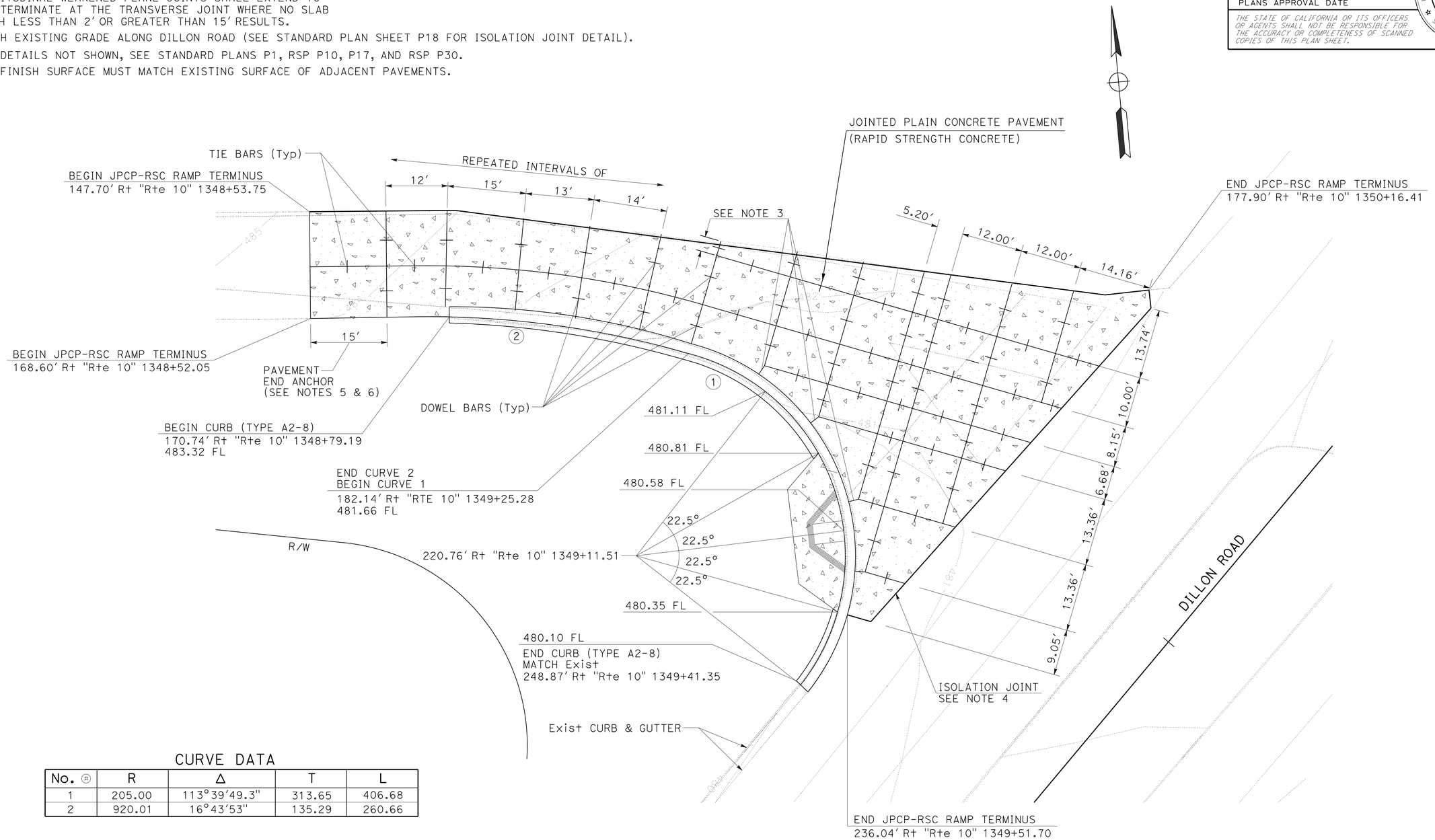
6-3-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
WILLIAM PAN
No. 74056
Exp. 6-30-13
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.

NOTES:

1. FOR DOWEL AND THE BAR SPACING, SEE STD P1.
2. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
3. LONGITUDINAL WEAKENED PLANE JOINTS SHALL EXTEND TO AND TERMINATE AT THE TRANSVERSE JOINT WHERE NO SLAB WIDTH LESS THAN 2′ OR GREATER THAN 15′ RESULTS.
4. MATCH EXISTING GRADE ALONG DILLON ROAD (SEE STANDARD PLAN SHEET P18 FOR ISOLATION JOINT DETAIL).
5. FOR DETAILS NOT SHOWN, SEE STANDARD PLANS P1, RSP P10, P17, AND RSP P30.
6. RSC FINISH SURFACE MUST MATCH EXISTING SURFACE OF ADJACENT PAVEMENTS.



CURVE DATA

No. ⊕	R	Δ	T	L
1	205.00	113°39′49.3"	313.65	406.68
2	920.01	16°43′53"	135.29	260.66

EASTBOUND EXIT RAMP TERMINUS DILLON ROAD

CONSTRUCTION DETAILS

NO SCALE

C-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: RENEE SASSE
CALCULATED-DESIGNED BY: JOSEPH NOPRE
CHECKED BY: WILLIAM PAN
REVISED BY
DATE REVISED

LAST REVISION 05-09-13
DATE PLOTTED => 05-JUN-2013
TIME PLOTTED => 07:35

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	21	49

William Pan 5-9-13
REGISTERED CIVIL ENGINEER DATE

6-3-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
WILLIAM PAN
No. 74056
Exp. 6-30-13
CIVIL
STATE OF CALIFORNIA

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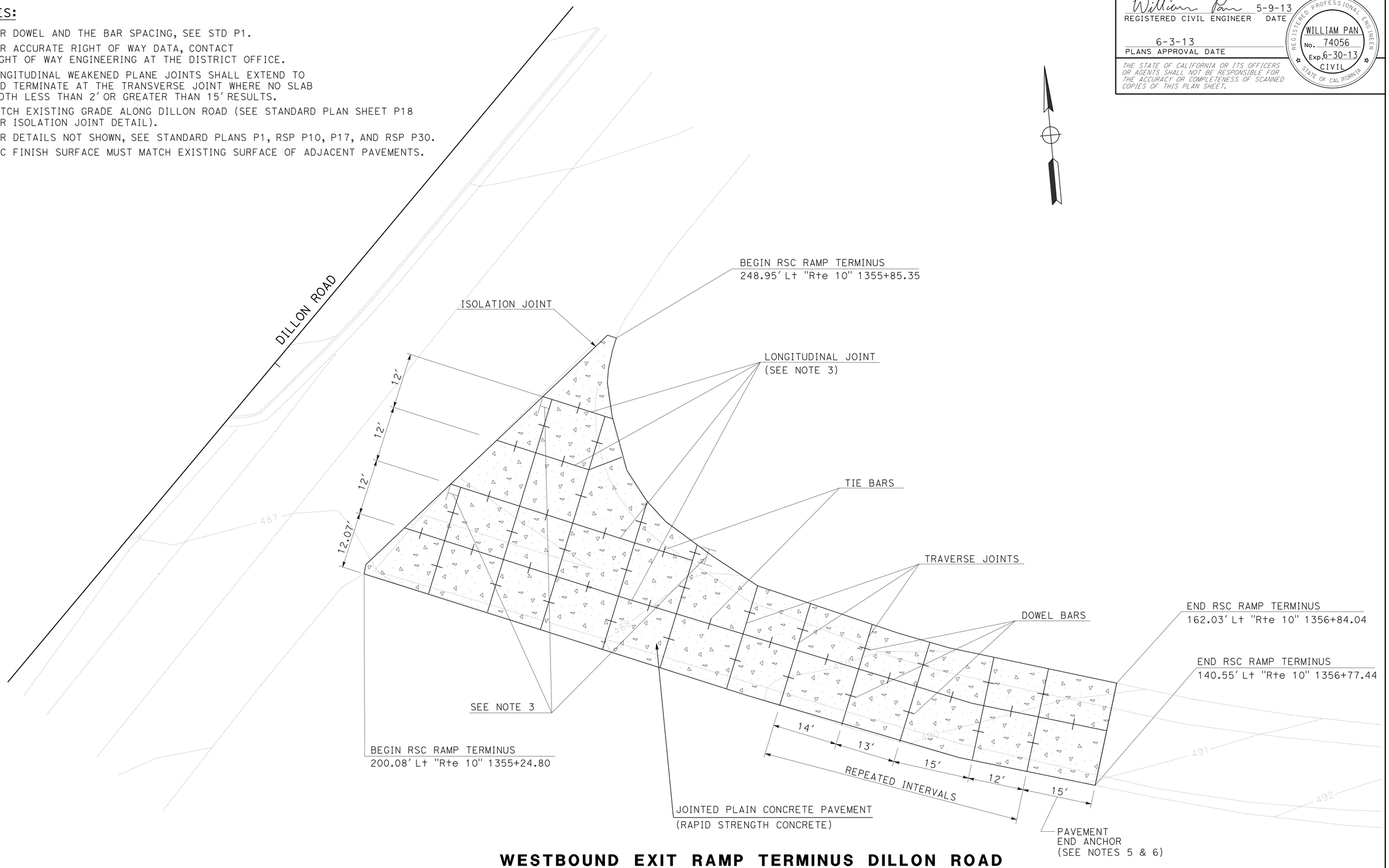
4. MATCH EXISTING GRADE ALONG DILLON ROAD (SEE STANDARD PLAN SHEET P18 FOR ISOLATION JOINT DETAIL).
5. FOR DETAILS NOT SHOWN, SEE STANDARD PLANS P1, RSP P10, P17, AND RSP P30.
6. RSC FINISH SURFACE MUST MATCH EXISTING SURFACE OF ADJACENT PAVEMENTS.



WESTBOUND EXIT RAMP TERMINUS DILLON ROAD

CONSTRUCTION DETAILS

NO SCALE

C-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: RENEE SASSE
CALCULATED-DESIGNED BY: JOSEPH NOPRE
CHECKED BY: WILLIAM PAN
REVISED BY
DATE REVISED

LAST REVISION 05-09-13
DATE PLOTTED => 05-JUN-2013
TIME PLOTTED => 07:35

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	22	49

William Pan 4-29-13
REGISTERED CIVIL ENGINEER DATE

6-3-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
WILLIAM PAN
No. 74056
Exp. 6-30-13
CIVIL
STATE OF CALIFORNIA

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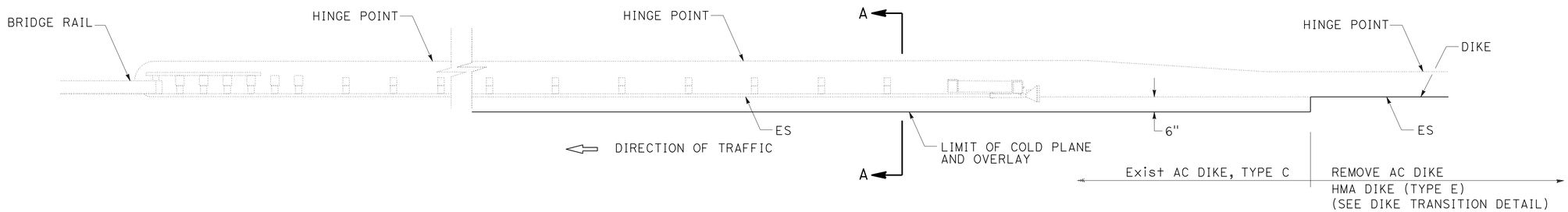
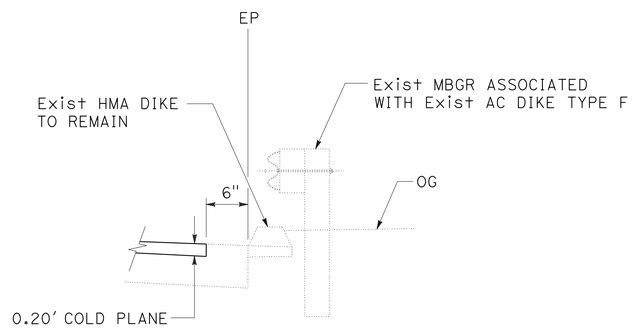
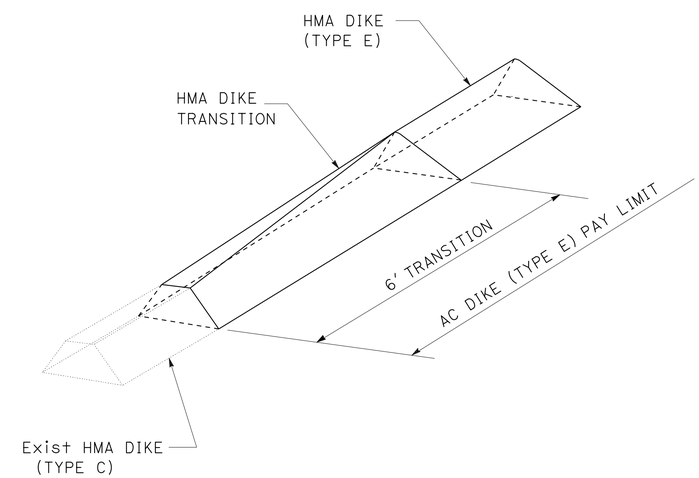




SECTION A-A



DIKE TRANSITION

LIMIT OF COLD PLANE ADJACENT TO GUARD RAIL AND DIKE TRANSITION DETAIL

CONSTRUCTION DETAILS
NO SCALE
C-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN
FUNCTIONAL SUPERVISOR: RENEE SASSE
CALCULATED-DESIGNED BY: JOSEPH NOPRE
CHECKED BY: WILLIAM PAN
REVISED BY
DATE REVISED

LAST REVISION 04-29-13
DATE PLOTTED => 05-JUN-2013
TIME PLOTTED => 07:35

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	23	49

REGISTERED CIVIL ENGINEER 4-29-13 DATE

6-3-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
GEORGE MORHIG
No. 50349
Exp. 6-30-13
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.

TEMPORARY WATER POLLUTION CONTROL QUANTITIES

DESCRIPTION	(EA)	(LF)	(SQ YD)
TEMPORARY COVER			1016.0
TEMPORARY GRAVEL BAG BERM		847.0	
TEMPORARY DRAINAGE INLET PROTECTION	20		
TEMPORARY CONSTRUCTION ENTRANCE	2		

TEMPORARY WATER POLLUTION CONTROL QUANTITIES

WPCQ-1

REVISED BY | DATE REVISED
TOM MILES | GEORGE MORHIG
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR
GEORGE MORHIG

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

LAST REVISION 04-29-13 | DATE PLOTTED => 05-JUN-2013 | TIME PLOTTED => 07:35

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	24	49

W E Wasser 5-9-13
REGISTERED CIVIL ENGINEER DATE

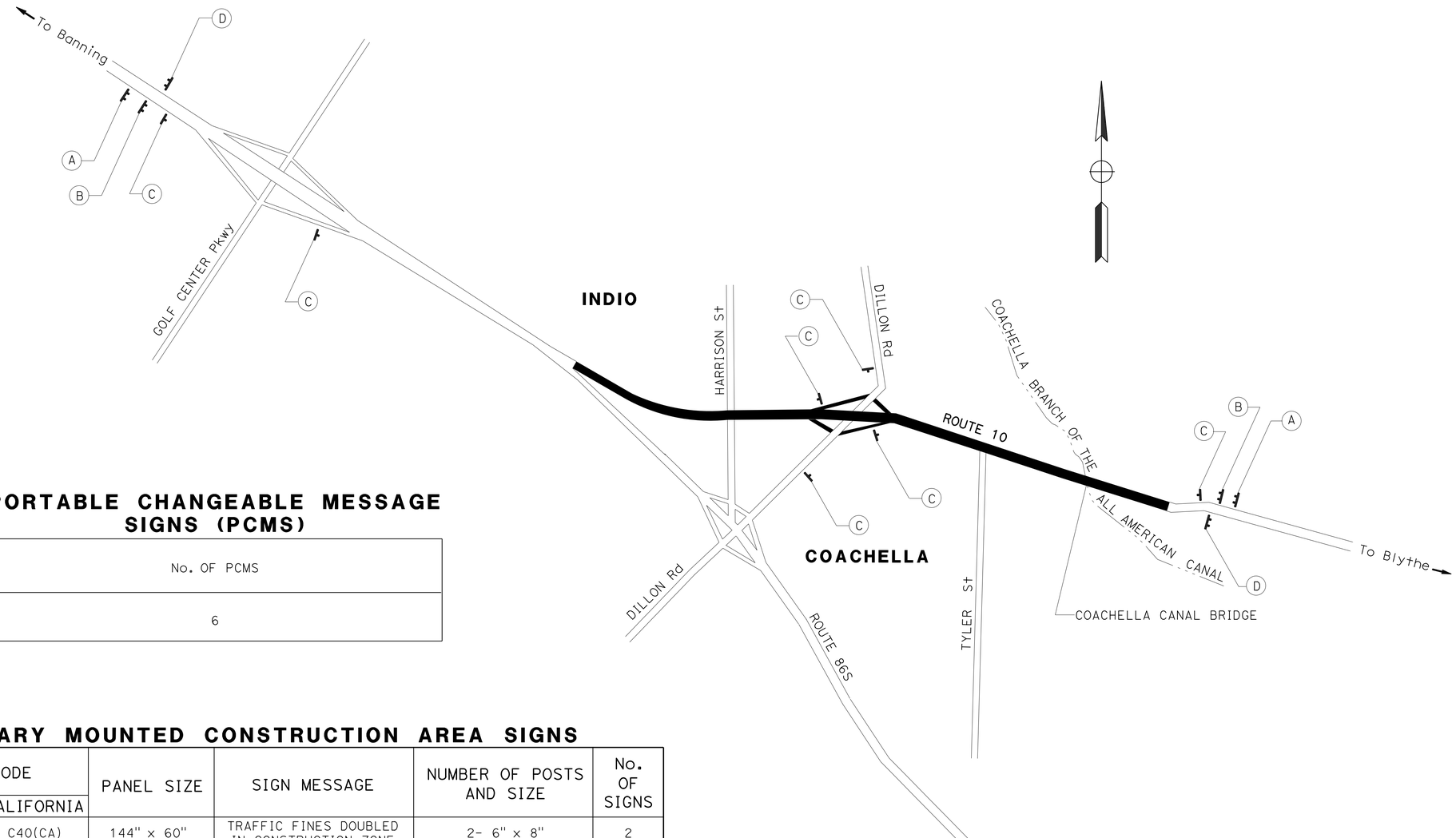
6-3-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
W. E. WASSER
No. 37378
Exp. 6-30-14
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.

NOTE:

1. LOCATION OF CONSTRUCTION AREA SIGNS SHOWN ON THE PLAN ARE APPROXIMATE EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.



PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS)

No. OF PCMS
6

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN No. (X)	SIGN CODE		PANEL SIZE	SIGN MESSAGE	NUMBER OF POSTS AND SIZE	No. OF SIGNS
	FEDERAL	CALIFORNIA				
A		C40(CA)	144" x 60"	TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONE	2- 6" x 8"	2
B	G20-1		90" x 48"	ROAD CONSTRUCTION NEXT 6 MILES	2- 6" x 6"	2
C	W20-1		48" x 48"	ROAD WORK AHEAD	1- 6" x 6"	7
D	G20-2		48" x 24"	END ROAD WORK	2- 4" x 4"	2

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

CONSTRUCTION AREA SIGN

NO SCALE

CS-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN A

FUNCTIONAL SUPERVISOR: W. E. WASER
CALCULATED-DESIGNED BY: DEAN TO
CHECKED BY: W. E. WASSER
REVISED BY
DATE REVISED

LAST REVISION 05-09-13 | DATE PLOTTED => 05-JUN-2013 | TIME PLOTTED => 07:35

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	25	49

W E Wasser 4-29-13
REGISTERED CIVIL ENGINEER DATE

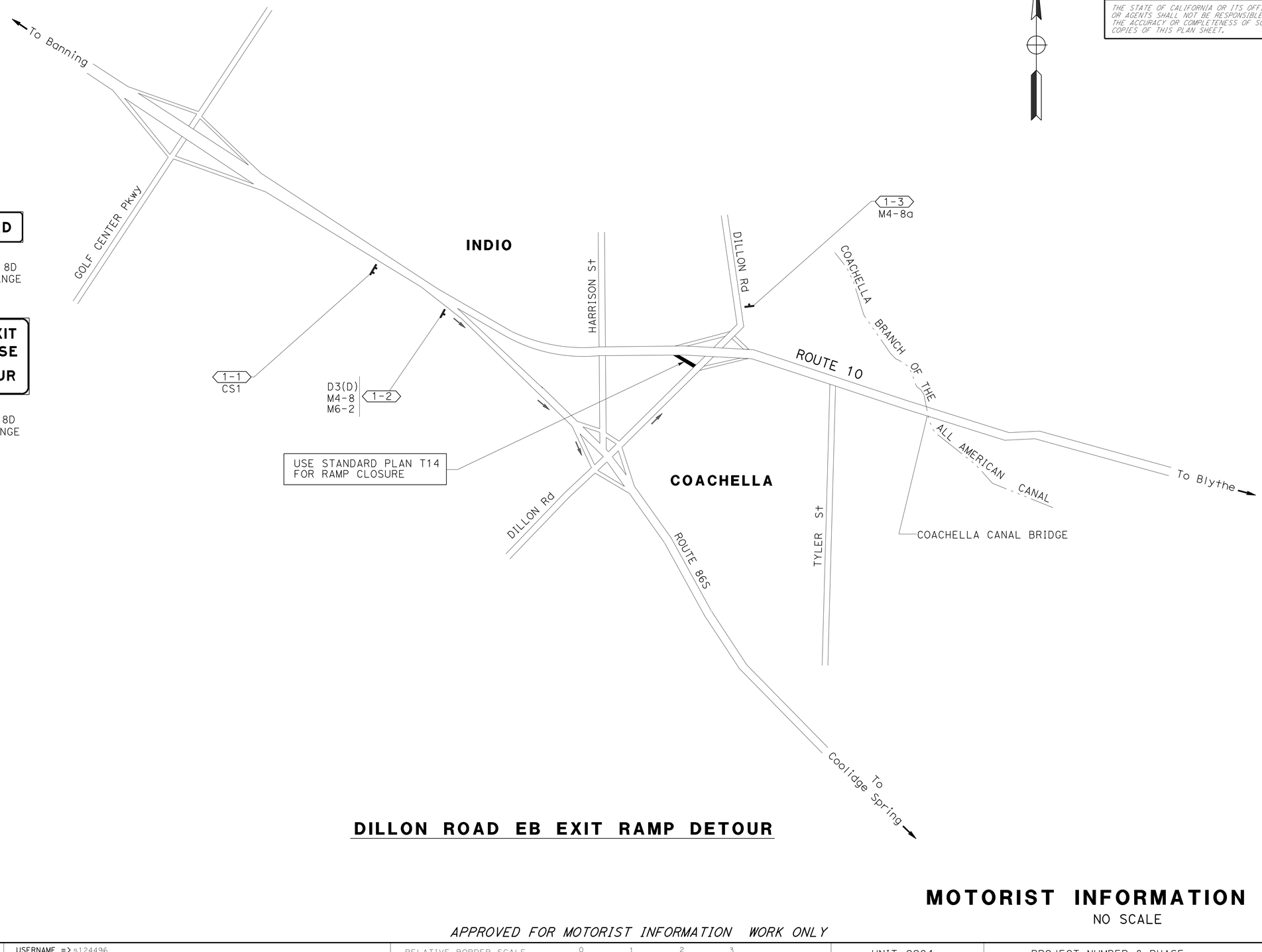
6-3-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
W. E. WASSER
No. 37378
Exp. 6-30-14
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.

84"
24" **DILLON RD**
D3(D)
LETTER SIZE: 8D
BLACK ON ORANGE

96"
60" **DILLON EXIT CLOSED USE**
86 DETOUR
CS1
LETTER SIZE: 8D
BLACK ON ORANGE



DILLON ROAD EB EXIT RAMP DETOUR

MOTORIST INFORMATION PLAN

NO SCALE

MI-1

APPROVED FOR MOTORIST INFORMATION WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN A

FUNCTIONAL SUPERVISOR: W. E. WASER
CALCULATED-DESIGNED BY: DEAN TO
CHECKED BY: W. E. WASSER
REVISED BY
DATE REVISED

LAST REVISION 04-29-13
DATE PLOTTED => 05-JUN-2013
TIME PLOTTED => 07:35

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	26	49

W E Wasser 4-29-13
REGISTERED CIVIL ENGINEER DATE

6-3-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
W. E. WASSER
No. 37378
Exp. 6-30-14
CIVIL
STATE OF CALIFORNIA

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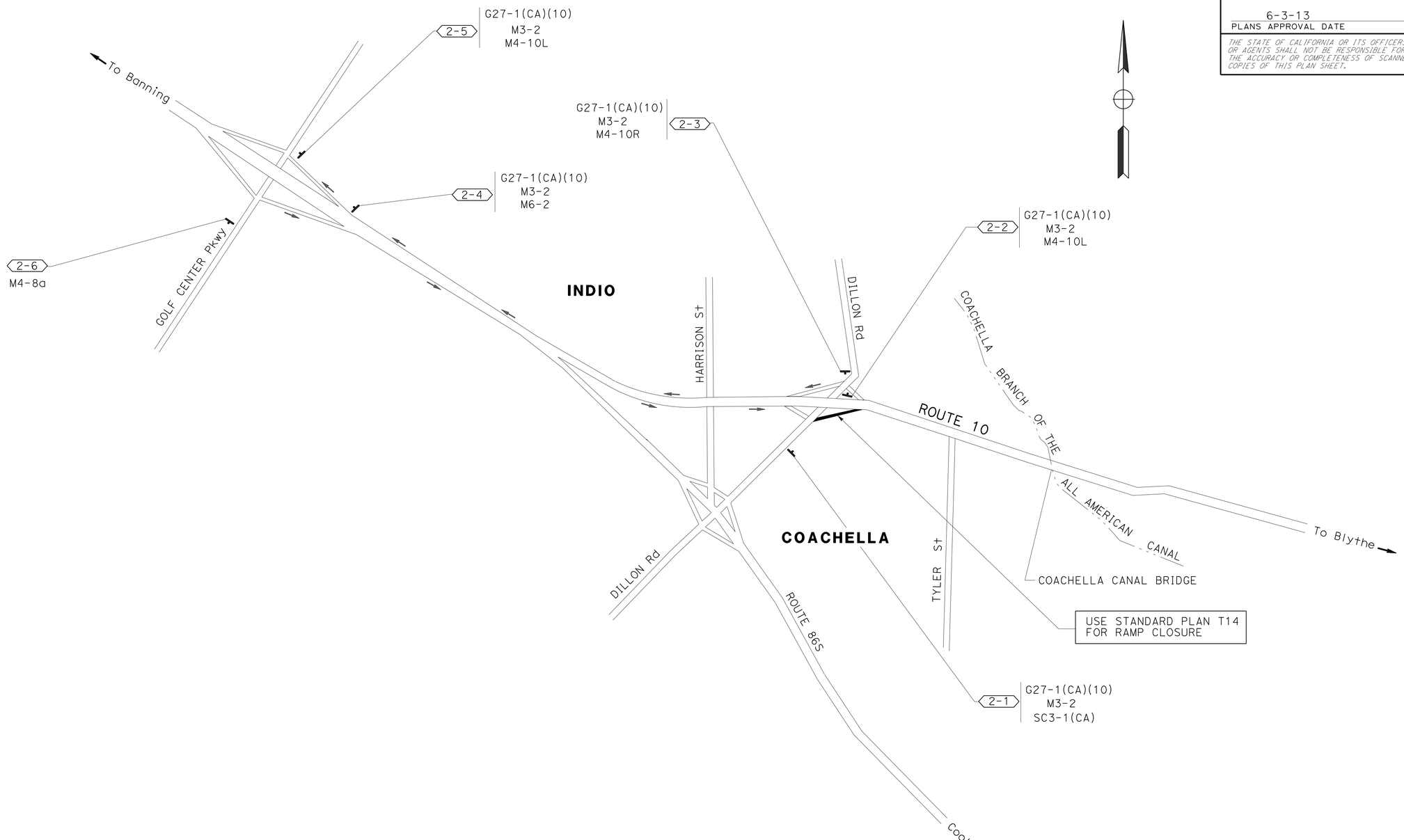

DILLON ROAD EB ENTRANCE RAMP DETOUR

MOTORIST INFORMATION PLAN

NO SCALE

MI-2

APPROVED FOR MOTORIST INFORMATION WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN A

FUNCTIONAL SUPERVISOR: W. E. WASER
CALCULATED-DESIGNED BY: DEAN TO
CHECKED BY: W. E. WASSER
REVISED BY
DATE REVISED

LAST REVISION 04-29-13
DATE PLOTTED => 05-JUN-2013
TIME PLOTTED => 07:35

BORDER LAST REVISED 7/2/2010
USERNAME => s124496
DGN FILE => 08000003371b002.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 2284
PROJECT NUMBER & PHASE 08000003371

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	27	49

W E Wasser 4-29-13
REGISTERED CIVIL ENGINEER DATE

6-3-13
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REGISTERED PROFESSIONAL ENGINEER
W. E. WASSER
No. 37378
Exp. 6-30-14
CIVIL
STATE OF CALIFORNIA

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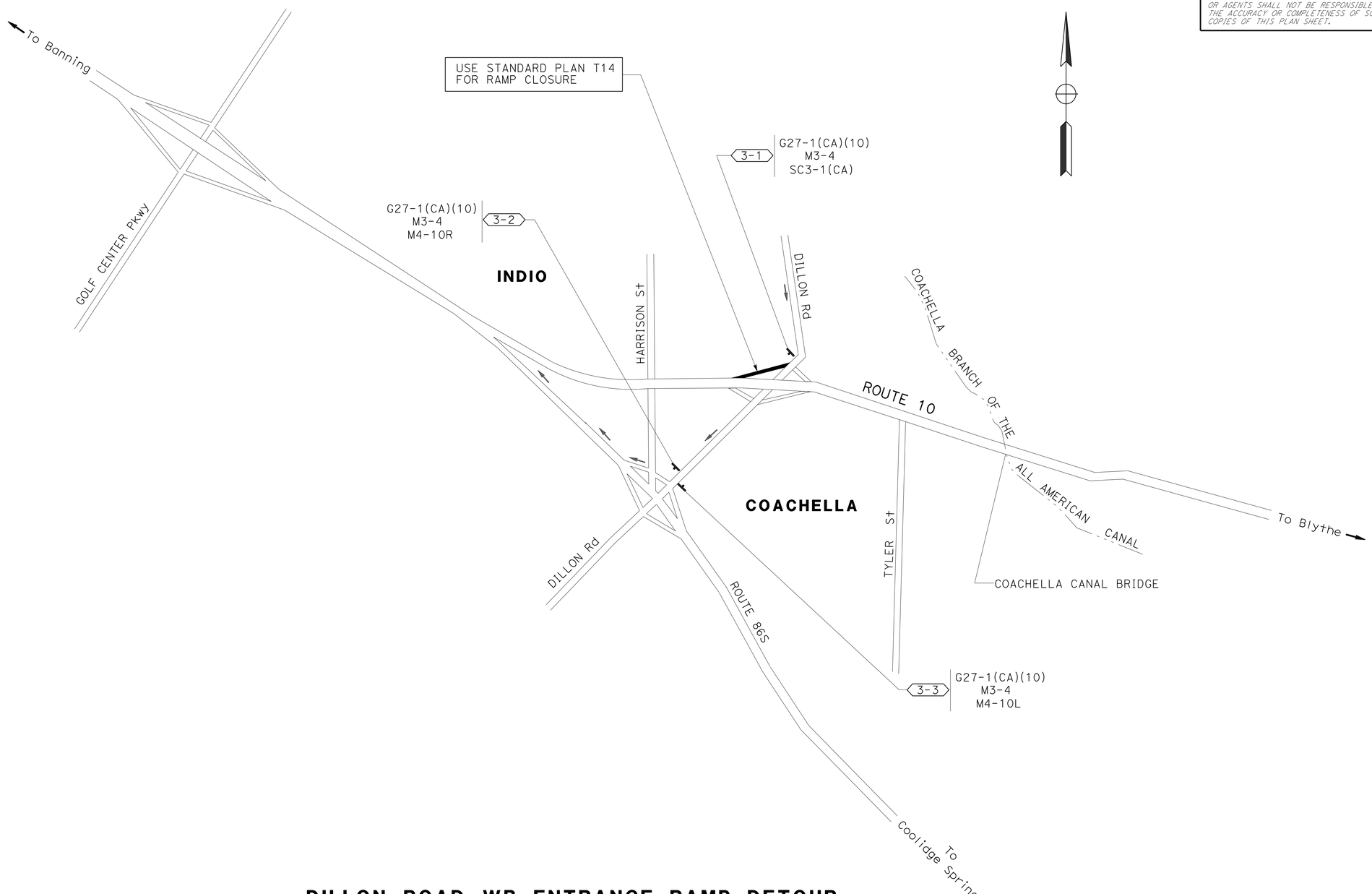

DILLON ROAD WB ENTRANCE RAMP DETOUR

MOTORIST INFORMATION PLAN

NO SCALE

MI-3

APPROVED FOR MOTORIST INFORMATION WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN A

FUNCTIONAL SUPERVISOR: W. E. WASER
CALCULATED-DESIGNED BY: DEAN TO
CHECKED BY: W. E. WASSER
REVISED BY
DATE REVISED

LAST REVISION 04-29-13
DATE PLOTTED => 05-JUN-2013
TIME PLOTTED => 07:35

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	28	49

W E Wasser 4-29-13
REGISTERED CIVIL ENGINEER DATE

6-3-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
W. E. WASSER
No. 37378
Exp. 6-30-14
CIVIL
STATE OF CALIFORNIA

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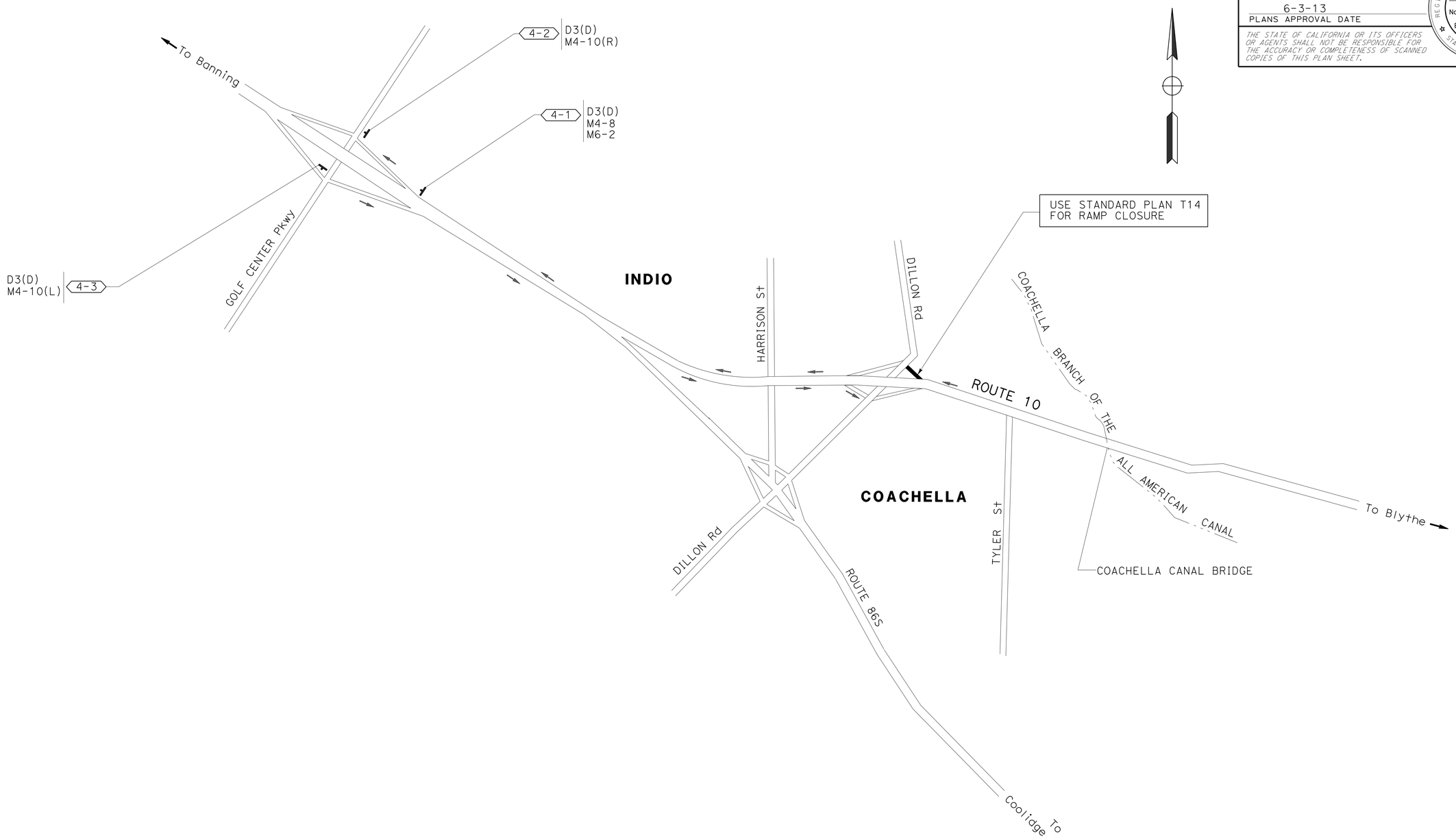

DILLON ROAD WB EXIT RAMP DETOUR

APPROVED FOR MOTORIST INFORMATION WORK ONLY

MOTORIST INFORMATION PLAN

NO SCALE

MI-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN A

FUNCTIONAL SUPERVISOR: W. E. WASER
CALCULATED-DESIGNED BY: DEAN TO
CHECKED BY: W. E. WASSER
REVISED BY
DATE REVISED

LAST REVISION 04-29-13
DATE PLOTTED => 05-JUN-2013
TIME PLOTTED => 07:35

BORDER LAST REVISED 7/2/2010
USERNAME => s124496
DGN FILE => 08000003371b004.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 2284
PROJECT NUMBER & PHASE 08000003371

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	29	49

W E Wasser 4-29-13
REGISTERED CIVIL ENGINEER DATE

6-3-13
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REGISTERED PROFESSIONAL ENGINEER
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CIVIL
STATE OF CALIFORNIA

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STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SHEET No.	SIGN No.	SIGN CODE FEDERAL	SIGN CODE CALIFORNIA	PANEL SIZE (in)	SIGN MESSAGE	No. OF POST AND SIZE (N)
MI-1	1-1		CS1	96 x 60	DILLON EXIT CLOSED USE (86) DETOUR	2 - 6" X 6"
	1-2	D3(D) M4-8 M6-2		84 X 24 30 X 15 21 X 15	DILLON RD DETOUR ↗	1 - 6" X 8"
	1-3	M4-8a		24 X 18	END DETOUR	1 - 4" X 4"
MI-2	2-1	M3-2	G27-1(CA)(10) SC3-1(CA)	24 X 25 30 X 15 48 X 18	STATE SHIELD EAST DETOUR WITH UP ARROW	1 - 6" X 8"
	2-2	M3-2 M4-10L	G27-1(CA)(10)	24 X 25 30 X 15 48 X 18	STATE SHIELD EAST DETOUR WITH Horiz ARROW	1 - 6" X 8"
	2-3	M3-2 M4-10R	G27-1(CA)(10)	24 X 25 30 X 15 48 X 18	STATE SHIELD EAST DETOUR WITH Horiz ARROW	1 - 6" X 8"
	2-4	M3-2 M6-2	G27-1(CA)(10)	24 X 25 30 X 15 21 X 15	STATE SHIELD EAST ↗	1 - 6" X 8"
	2-5	M3-2 M4-10L	G27-1(CA)(10)	24 X 25 30 X 15 48 X 18	STATE SHIELD EAST DETOUR WITH Horiz ARROW	1 - 6" X 8"
	2-6	M4-8a		24 X 18	END DETOUR	1 - 4" X 4"
MI-3	3-1	M3-4	G27-1(CA)(10) SC3-1(CA)	24 X 25 30 X 15 48 X 18	STATE SHIELD WEST DETOUR WITH UP ARROW	1 - 6" X 8"
	3-2	M3-4 M4-10R	G27-1(CA)(10)	24 X 25 30 X 15 48 X 18	STATE SHIELD WEST DETOUR WITH Horiz ARROW	1 - 6" X 8"
	3-3	M3-4 M4-10L	G27-1(CA)(10)	24 X 25 30 X 15 48 X 18	STATE SHIELD WEST DETOUR WITH Horiz ARROW	1 - 6" X 8"
MI-4	4-1	D3(D) M4-8 M6-2		84 X 24 30 X 15 21 X 15	DILLON RD DETOUR ↗	1 - 6" X 8"
	4-2	D3(D) M4-10R		84 X 24 48 X 18	DILLON RD DETOUR WITH Horiz ARROW	1 - 6" X 8"
	4-3	D3(D) M4-10L		84 X 24 48 X 18	DILLON RD DETOUR WITH Horiz ARROW	1 - 6" X 8"

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

MOTORIST INFORMATION QUANTITIES

MIQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN A
FUNCTIONAL SUPERVISOR: W. E. WASER
CALCULATED-DESIGNED BY: W. E. WASSER
CHECKED BY
REVISED BY
DATE REVISED
DEAN TO

LAST REVISION 04-29-13
DATE PLOTTED => 05-JUN-2013
TIME PLOTTED => 07:35

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	30	49

W E Wasser 4-29-13
REGISTERED CIVIL ENGINEER DATE

6-3-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
W. E. WASSER
No. 37378
Exp. 6-30-14
CIVIL
STATE OF CALIFORNIA

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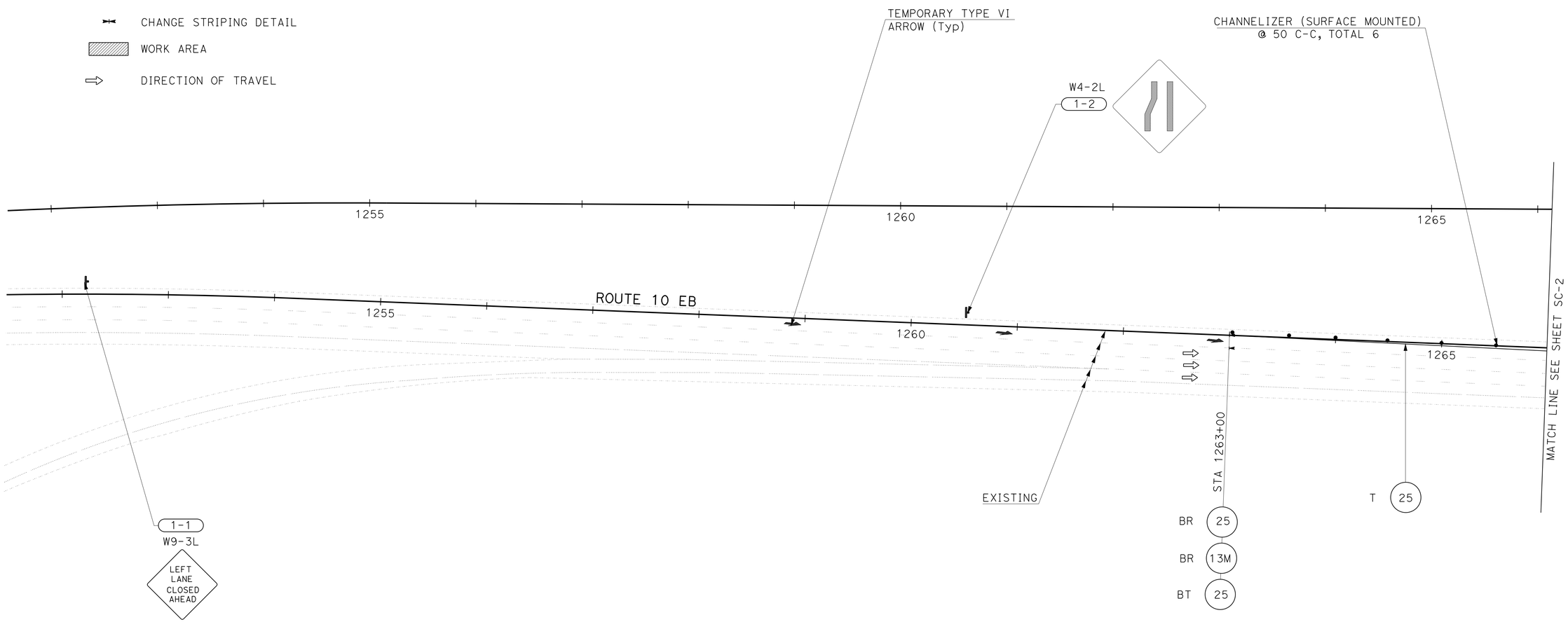
LEGEND:

- BT (XX) BEGIN TEMPORARY TRAFFIC STRIPE
- ET (XX) END TEMPORARY TRAFFIC STRIPE
- BR (XX) BEGIN REMOVE PAVEMENT DELINEATION
- ER (XX) END REMOVE PAVEMENT DELINEATION
- T (XX) TEMPORARY TRAFFIC STRIPE (PAINT)
- (x-x) TRAFFIC HANDLING SIGN
- CHANGE STRIPING DETAIL
- WORK AREA
- DIRECTION OF TRAVEL

NOTES:

1. PORTION OF EB INSIDE SHOULDER SHALL BE COLD PLANED AND OVERLAID PRIOR TO SHIFTING TRAFFIC FOR EB JPCP SHOULDER WORK.
2. USE STANDARD PLAN T10, T14 FOR LANE CLOSURE, RAMP CLOSURE TO HANDLE TRAFFIC DURING OPERATION OF COLD PLANE, OVERLAY, SLAP REPLACEMENT, AND STRIPING.



STAGE 1
STAGE CONSTRUCTION AND TRAFFIC HANDLING PLAN

NO SCALE

SC-1

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN A

FUNCTIONAL SUPERVISOR: W. E. WASER
CALCULATED-DESIGNED BY: DEAN TO
CHECKED BY: W. E. WASSER
REVISED BY
DATE REVISED

LAST REVISION 04-29-13
DATE PLOTTED => 05-JUN-2013
TIME PLOTTED => 06:42

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	31	49

W E Wasser 4-29-13
REGISTERED CIVIL ENGINEER DATE

6-3-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
W. E. WASSER
No. 37378
Exp. 6-30-14
CIVIL
STATE OF CALIFORNIA

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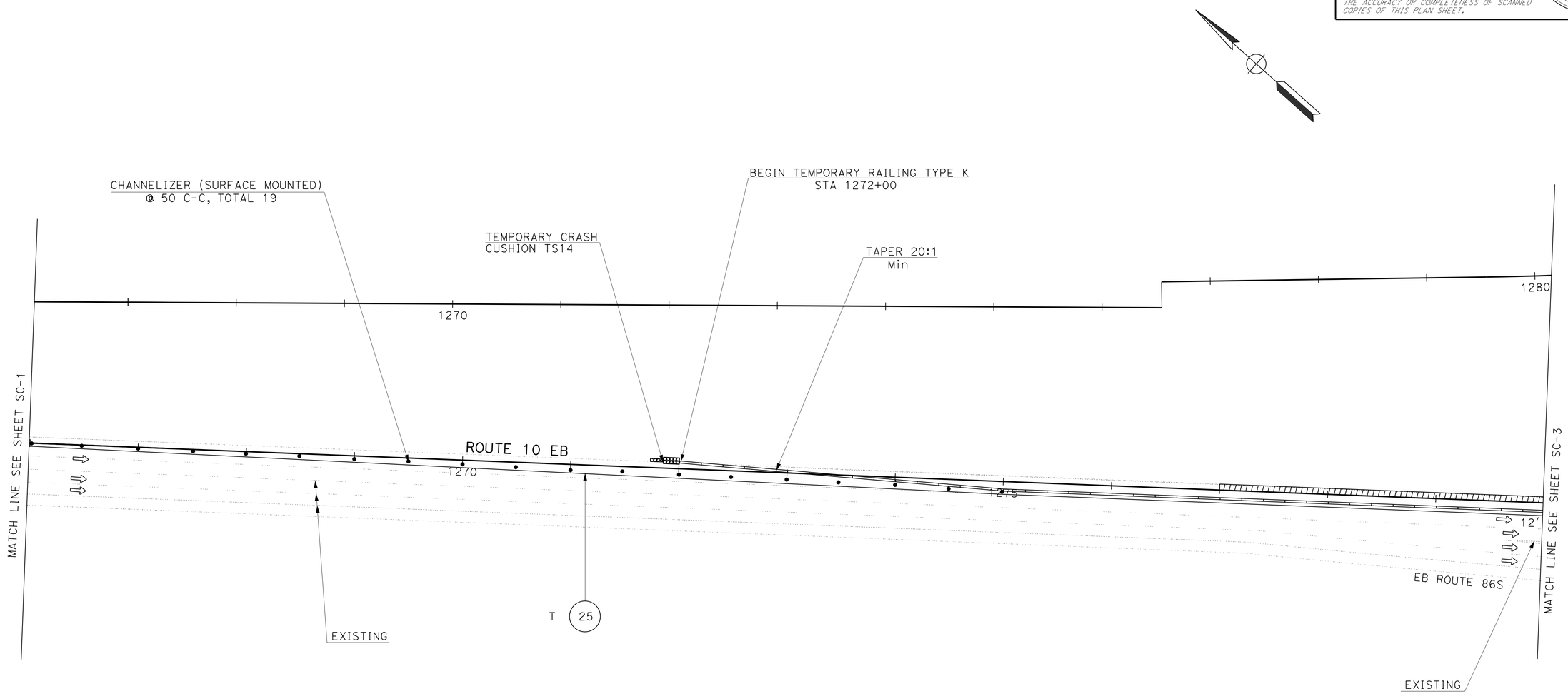

STAGE 1
STAGE CONSTRUCTION AND TRAFFIC HANDLING PLAN

NO SCALE

SC-2

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY	DEAN TO
CHECKED BY	W. E. WASSER

FUNCTIONAL SUPERVISOR: W. E. WASER

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN A

LAST REVISION 04-29-13
DATE PLOTTED => 05-JUN-2013
TIME PLOTTED => 06:42

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	32	49

W E Wasser 4-29-13
REGISTERED CIVIL ENGINEER DATE

6-3-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
W. E. WASSER
No. 37378
Exp. 6-30-14
CIVIL
STATE OF CALIFORNIA

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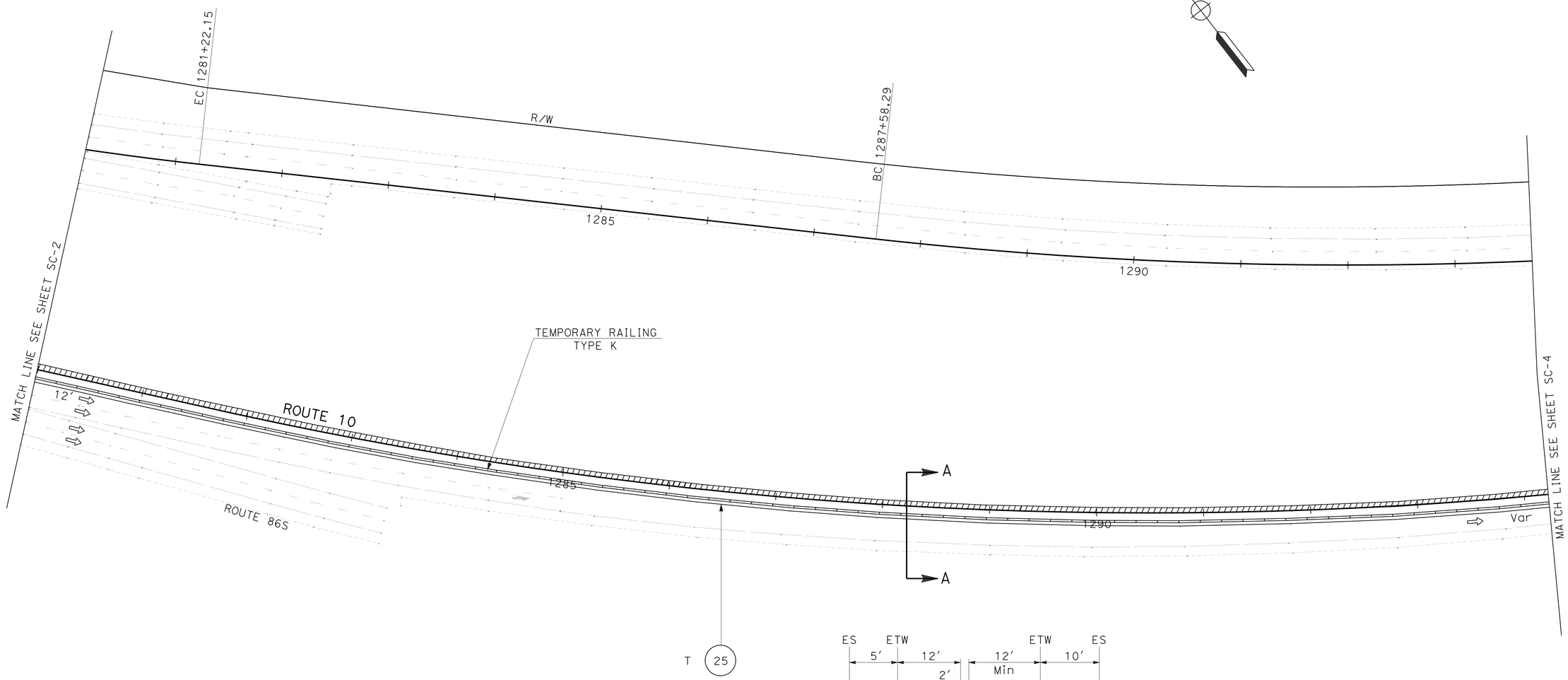
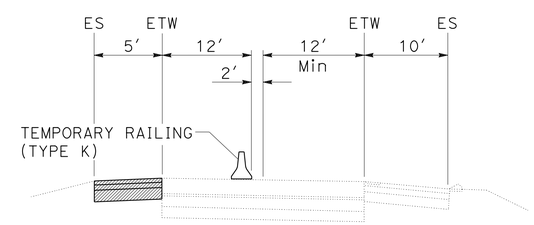
NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.





SECTION A-A

STAGE 1

STAGE CONSTRUCTION AND TRAFFIC HANDLING PLAN

NO SCALE

SC-3

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® **TRAFFIC DESIGN A**

FUNCTIONAL SUPERVISOR: W. E. WASER
CALCULATED-DESIGNED BY: DEAN TO
CHECKED BY: W. E. WASSER
REVISED BY
DATE REVISED

LAST REVISION 04-29-13
DATE PLOTTED => 05-JUN-2013
TIME PLOTTED => 06:42

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	33	49

W E Wasser 4-29-13
REGISTERED CIVIL ENGINEER DATE

6-3-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
W. E. WASSER
No. 37378
Exp. 6-30-14
CIVIL
STATE OF CALIFORNIA

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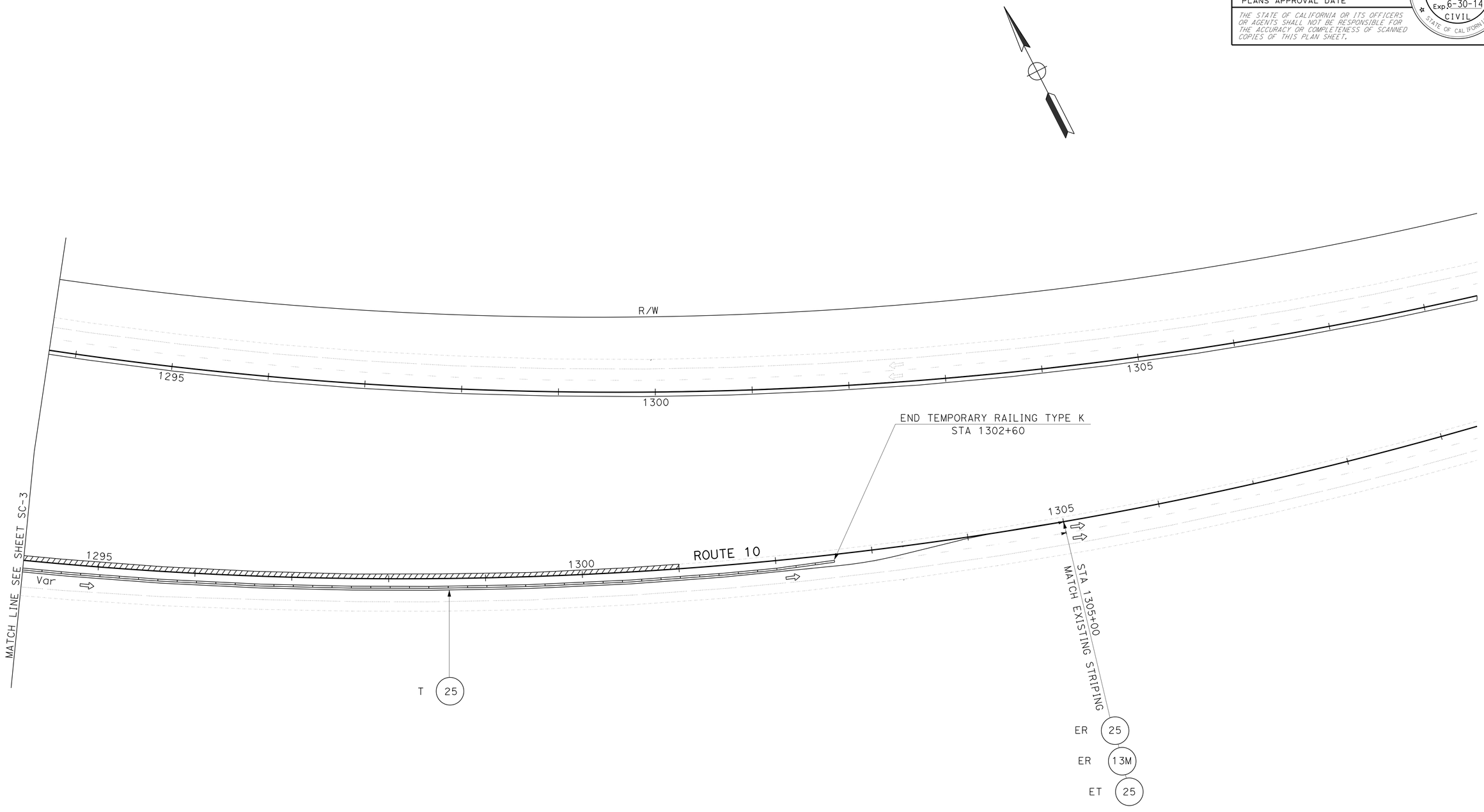

STAGE 1
STAGE CONSTRUCTION AND TRAFFIC HANDLING PLAN

NO SCALE

SC-4

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN A

FUNCTIONAL SUPERVISOR: W. E. WASER
CALCULATED-DESIGNED BY: DEAN TO
CHECKED BY: W. E. WASSER
REVISED BY
DATE REVISED

LAST REVISION 04-29-13
DATE PLOTTED => 05-JUN-2013
TIME PLOTTED => 06:42

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	34	49

W E Wasser 4-29-13
REGISTERED CIVIL ENGINEER DATE

6-3-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
W. E. WASSER
No. 37378
Exp. 6-30-14
CIVIL
STATE OF CALIFORNIA

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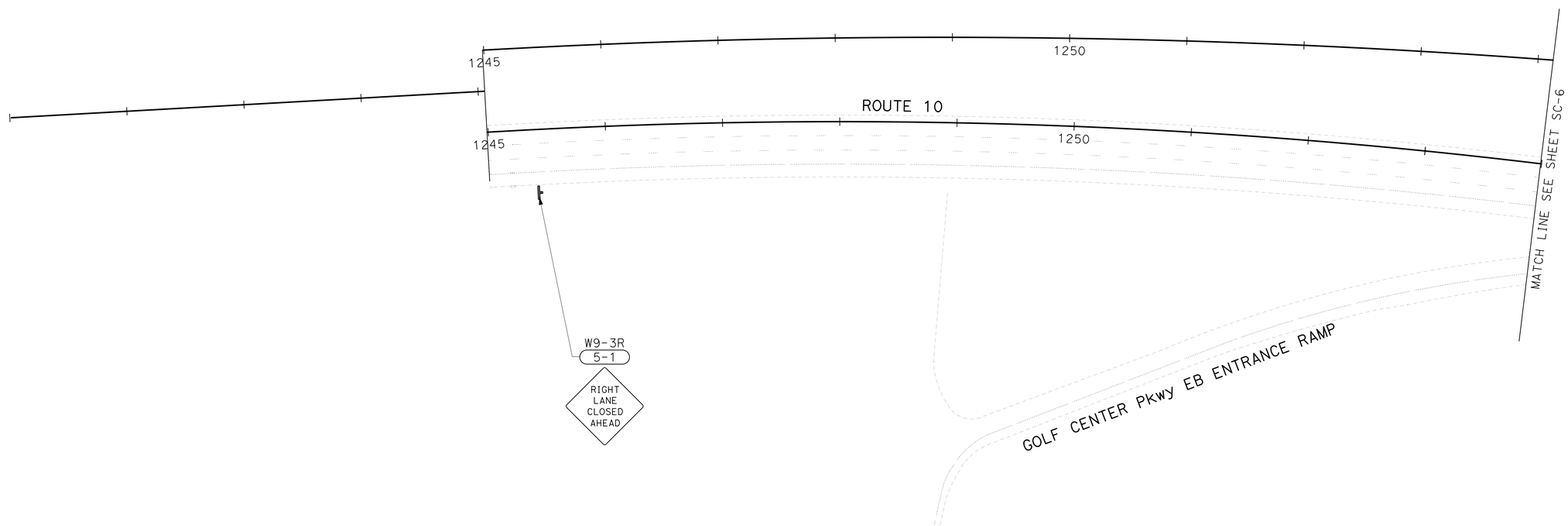

STAGE 2
STAGE CONSTRUCTION AND TRAFFIC HANDLING PLAN

NO SCALE

SC-5

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN A

FUNCTIONAL SUPERVISOR: W. E. WASER
CALCULATED-DESIGNED BY: DEAN TO
CHECKED BY: W. E. WASSER
REVISED BY
DATE REVISED

LAST REVISION 04-29-13
DATE PLOTTED => 05-JUN-2013
TIME PLOTTED => 06:42

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	35	49

W E Wasser 4-29-13
REGISTERED CIVIL ENGINEER DATE

6-3-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
W. E. WASSER
No. 37378
Exp. 6-30-14
CIVIL
STATE OF CALIFORNIA

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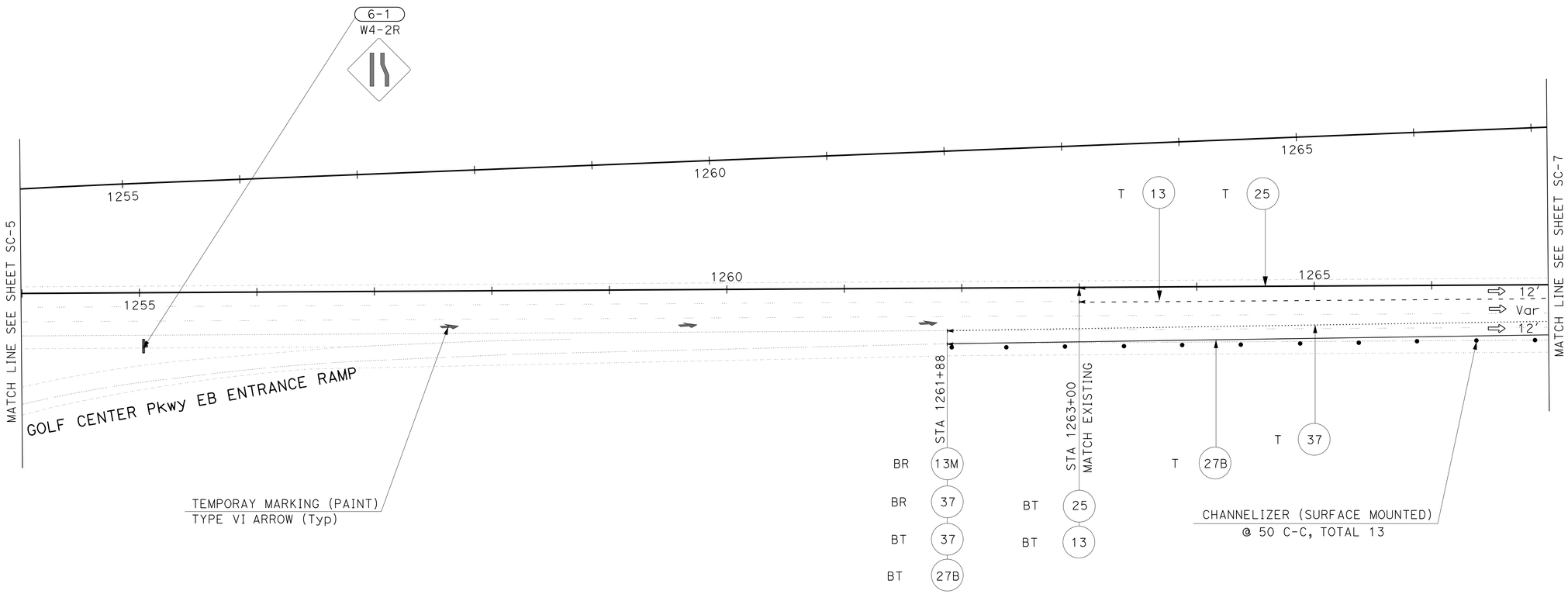

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

STAGE 2
STAGE CONSTRUCTION AND TRAFFIC HANDLING PLAN

NO SCALE

SC-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN A

FUNCTIONAL SUPERVISOR: W. E. WASER
CALCULATED-DESIGNED BY: DEAN TO
CHECKED BY: W. E. WASSER
REVISED BY
DATE REVISED

LAST REVISION 04-29-13 | DATE PLOTTED => 05-JUN-2013 | TIME PLOTTED => 07:35

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	36	49

W E Wasser 4-29-13
REGISTERED CIVIL ENGINEER DATE

6-3-13
PLANS APPROVAL DATE

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W. E. WASSER
No. 37378
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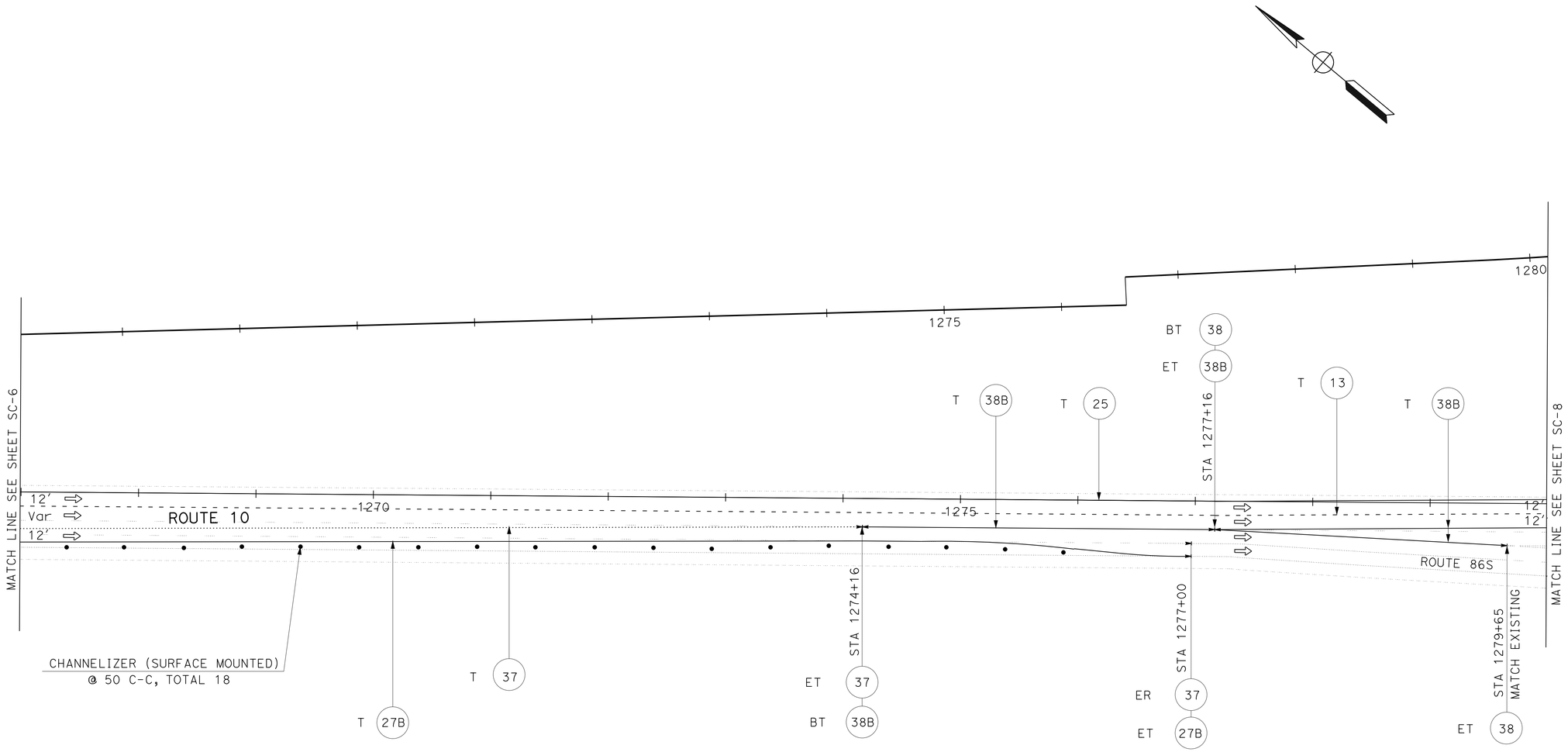

STAGE 2
STAGE CONSTRUCTION AND TRAFFIC HANDLING PLAN

NO SCALE

SC-7

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: DEAN TO
CHECKED BY: W. E. WASSER

FUNCTIONAL SUPERVISOR: W. E. WASER

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN A

LAST REVISION 04-29-13 | DATE PLOTTED => 05-JUN-2013 | TIME PLOTTED => 07:35

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	37	49

W E Wasser 4-29-13
REGISTERED CIVIL ENGINEER DATE

6-3-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
W. E. WASSER
No. 37378
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NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT
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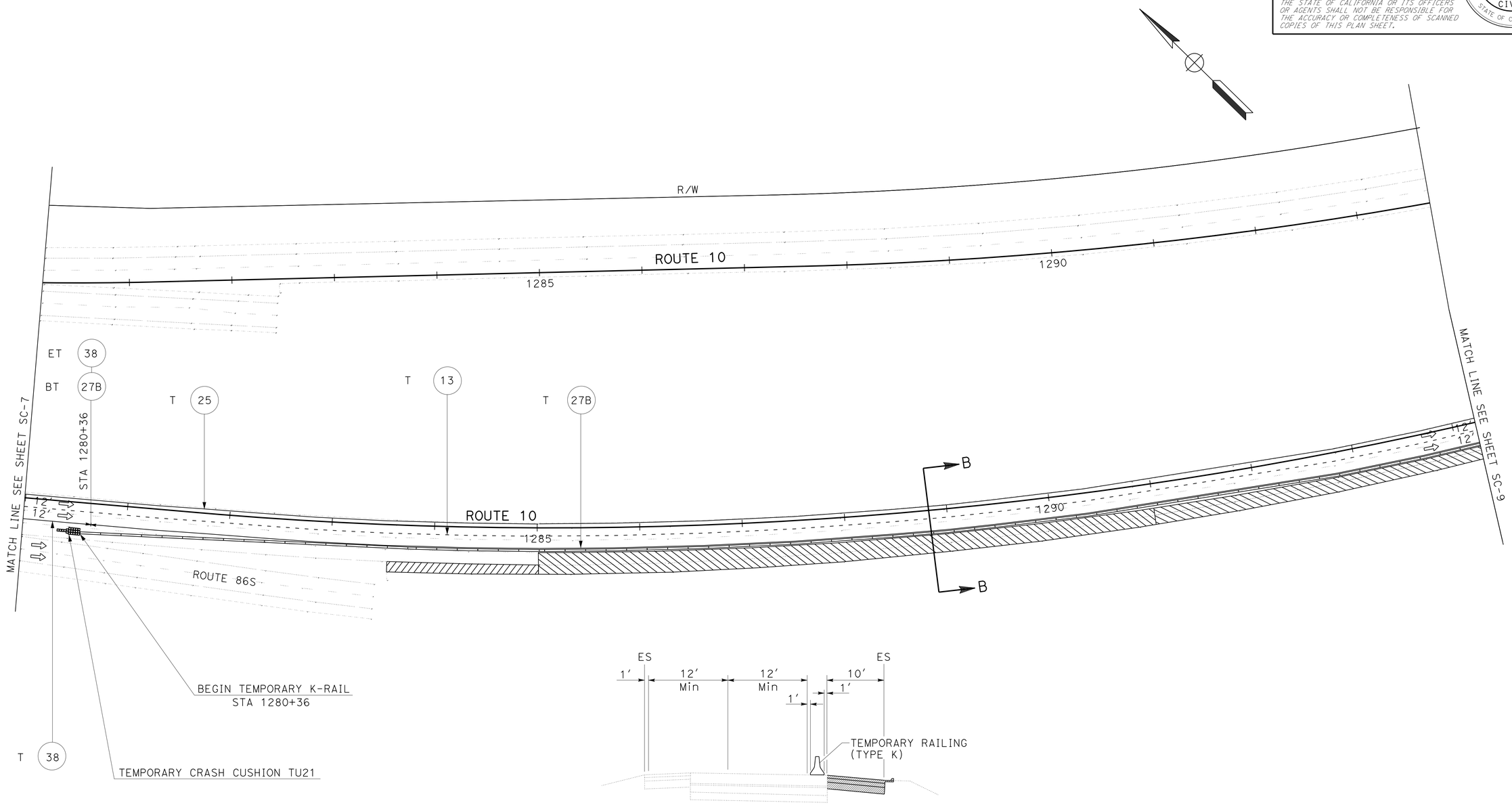

SECTION B-B

STAGE 2
STAGE CONSTRUCTION AND TRAFFIC HANDLING PLAN

NO SCALE

SC-8

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN A

FUNCTIONAL SUPERVISOR: W. E. WASER
CALCULATED-DESIGNED BY: DEAN TO
CHECKED BY: W. E. WASSER
REVISED BY
DATE REVISED

LAST REVISION 04-29-13
DATE PLOTTED => 05-JUN-2013
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	38	49

W E Wasser 4-29-13
REGISTERED CIVIL ENGINEER DATE

6-3-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
W. E. WASSER
No. 37378
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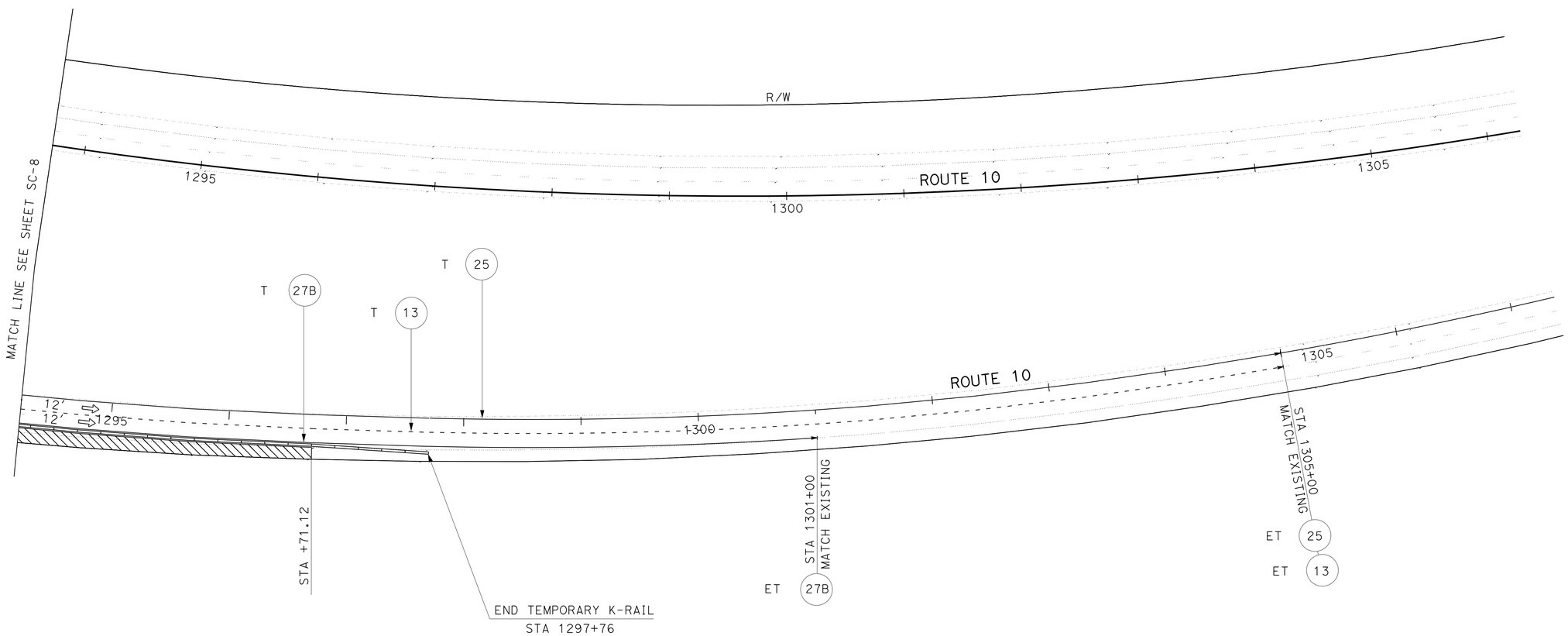

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

STAGE 2

STAGE CONSTRUCTION AND TRAFFIC HANDLING PLAN

NO SCALE

SC-9

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® **TRAFFIC DESIGN A**

FUNCTIONAL SUPERVISOR: W. E. WASER

CALCULATED-DESIGNED BY: DEAN TO
CHECKED BY: W. E. WASSER

REVISED BY
DATE REVISED

LAST REVISION 04-29-13
DATE PLOTTED => 05-JUN-2013
TIME PLOTTED => 07:35

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	39	49

W E Wasser 4-29-13
REGISTERED CIVIL ENGINEER DATE

6-3-13
PLANS APPROVAL DATE

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W. E. WASSER
No. 37378
Exp. 6-30-14
CIVIL
STATE OF CALIFORNIA

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TEMPORARY PAVEMENT DELINEATION QUANTITIES

SHEET No.	STATION LIMITS	LOCATION	DETAIL No. OR PAVEMENT MARKING	TEMPORARY TRAFFIC STRIPE (PAINT)			TEMPORARY PAVEMENT MARKER					TEMPORARY PAVEMENT MARKING (PAINT)	REMOVE THERMOPLASTIC TRAFFIC STRIPE		REMOVE PAVEMENT MARKER
							NON-REFLECTIVE	RETROREFLECTIVE							
				4" YELLOW	4" WHITE	8" WHITE	TYPE A	TYPE C	TYPE D	TYPE G	TYPE H		YELLOW (HAZARDOUS WASTE)	WHITE	
				LF	LF	LF	EA	EA	EA	EA	EA	SQFT	LF	LF	EA
TH-1	1251+50 TO 1266+00	R+	13M (300)											184	35
		R+	25 (300)	300							7		300		7
		R+	TYPE VI ARROW									126			
TH-2	1266+00 TO 1280+00	R+	13M (1400)											360	150
		R+	25 (1400)	1400							30		1400		30
TH-3	1280+00 TO 1294+20	R+	13M (1420)											360	150
		R+	25 (1420)	1420							30		1420		30
TH-4	1294+20 TO 1305+00	R+	13M (1080)											288	118
		R+	25 (1080)	1080							24		1080		24
TH-6	1254+00 TO 1267+00	R+	13 (400)				40	40		10					
		R+	13M (512)											144	60
		R+	25 (400)	400							16				
		R+	37 (512)			512		12		36				108	36
		R+	TYPE VI ARROW									126			
		R+	27B (612)		612										
TH-7	1267+00 TO 1280+00	R+	13 (1300)				112			28					
		R+	25 (1300)	1300							28				
		R+	27B (996)		996										
		R+	37 (116)			116		5		5				206	92
		R+	38 (533)			533				24					
		R+	38B (300)			300				28					
TH-8	1280+00 TO 1294+20	R+	13M (2057)											528	220
		R+	13 (1422)		1422		120			30					
		R+	25 (1422)	1422							32		1422		32
		R+	27B (1386)		1386										
		R+	38 (36)			36				2					
TH-9	1294+20 TO 1305+00	R+	13 (1080)				96			24					
		R+	25 (1080)	1080							24		1080		23
		R+	27B (680)		680									680	
SHEET TOTAL				8402	5096	1497	368	57		187	191	252	6702	2858	1007
TOTAL				14995			803					252	6702	2858	1007

STAGE CONSTRUCTION AND TRAFFIC HANDLING QUANTITIES

SCQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN A

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CALCULATED-DESIGNED BY: W. E. WASSER
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DATE REVISED

LAST REVISION 04-29-13 | DATE PLOTTED => 05-JUN-2013 | TIME PLOTTED => 07:35

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	40	49

W E Wasser 4-29-13
REGISTERED CIVIL ENGINEER DATE

6-3-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
W. E. WASSER
No. 37378
Exp. 6-30-14
CIVIL
STATE OF CALIFORNIA

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

CONSTRUCTION AREA SIGNS

SHEET No.	SIGN No.	SIGN CODE		PANEL SIZE	SIGN MESSAGE	NUMBER OF POSTS AND SIZE (N)
		FEDERAL	CALIFORNIA			
TH-1	1-1	W9-3L		48" x 48"	LEFT LANE CLOSED AHEAD	1 - 6" X 6"
	1-2	W4-2L		48" x 48"	LANE ENDS MERGE LEFT SYMBOL	1 - 6" X 6"
TH-5	5-1	W9-3R		48" x 48"	RIGHT LANE CLOSED AHEAD	1 - 6" X 6"
TH-6	6-1	W4-2R		48" x 48"	LANE ENDS MERGE RIGHT SYMBOL	1 - 6" X 6"

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

MISCELLANEOUS

ITEM	LF	EA
TEMPORARY RAILING (TYPE K)	4800	
TEMPORARY CRASH CUSHION MODULE		35
CHANNELIZER (SURFACE MOUNTED)		56

STAGE CONSTRUCTION AND TRAFFIC HANDLING QUANTITIES

SCQ-2

REVISED BY | DATE REVISED
DEAN TO | W. E. WASSER
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR | W. E. WASER
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN A

LAST REVISION 04-29-13 | DATE PLOTTED => 05-JUN-2013 | TIME PLOTTED => 07:35

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	41	49

W E Wasser 4-29-13
REGISTERED CIVIL ENGINEER DATE

6-3-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
W. E. WASSER
No. 37378
Exp. 6-30-14
CIVIL
STATE OF CALIFORNIA

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PAVEMENT DELINEATION QUANTITIES

DETAIL No. OR PAVEMENT MARKING	THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)			PAVEMENT MARKER			THERMOPLASTIC PAVEMENT MARKING
				NON-REFLECTIVE	RETROREFLECTIVE		
	4" YELLOW	4" WHITE	8" WHITE	TYPE A	TYPE G	TYPE H	
	LF	LF	LF	EA	EA	EA	SQFT
13M		35540		2964	741		
25	35140					733	
25A	3600					151	
27B		39140					
38			4040				
12" WHITE LINE							400
TYPE I ARROW (24')					169		155
TYPE V ARROW							66
TYPE VI ARROW							126
"AHEAD" MARKING							62
"STOP" MARKING							88
"YIELD" MARKING							24
SUBTOTAL	38740	74680	4040	2964	910	884	921
TOTAL	117460			2964	1794		921

PAVEMENT DELINEATION QUANTITIES

PDQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN A

FUNCTIONAL SUPERVISOR: W. E. WASER
CALCULATED-DESIGNED BY: DEAN TO
CHECKED BY: W. E. WASSER
REVISED BY
DATE REVISED

LAST REVISION 04-29-13
DATE PLOTTED => 05-JUN-2013
TIME PLOTTED => 07:35

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	42	49

William Pan 4-29-13
REGISTERED CIVIL ENGINEER DATE

6-3-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
WILLIAM PAN
No. 74056
Exp. 6-30-13
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.

INDIVIDUAL SLAB REPLACEMENT (RSC)

EASTBOUND

STATION	No. OF SLABS (N) LANE 1	No. OF SLABS (N) LANE 2	PLAN SHEET
1285+00		1	L-1
1285+55		1	L-1
1287+05		1	L-1
1290+05		1	L-1
1299+50		1	L-2
1307+20		1	L-3
1308+23		1	L-3
1315+29		1	L-3
1320+39		1	L-4
1322+34		1	L-4
1323+12		1	L-4
1323+26	1		L-4
1325+87		1	L-4
1329+40		1	L-4
1332+49		1	L-5
1336+32		1	L-5
1336+45		1	L-5
1339+99		1	L-5
1340+12		1	L-5
1347+04		1	L-6
1350+44		1	L-6
1357+79		1	L-6
1357+93		1	L-6
1358+06		1	L-6
1358+20		1	L-6
1358+33		1	L-6
1359+75		1	L-7
1359+89		1	L-7
1361+68		1	L-7
1361+82		1	L-7
1363+86		1	L-7
1364+86		1	L-7
1365+00	1		L-7
1365+59		1	L-7
1366+31		1	L-7
1367+86		1	L-7
1369+31		1	L-7
1373+90		1	L-8
1375+23		1	L-8
1376+80		1	L-8
1380+55		1	L-8
1381+86		1	L-8
1382+77		1	L-8
1384+30		1	L-8
1386+25		1	L-8
1386+39		1	L-8
1391+80		1	L-9
1393+86		1	L-9
1395+19		1	L-9
1396+86		1	L-9
1398+19		1	L-9
SUBTOTAL	2	49	

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

EASTBOUND

STATION	No. OF SLABS (N) LANE 1	No. OF SLABS (N) LANE 2	PLAN SHEET
1399+29	1	1	L-9
1400+58		1	L-9
1400+72		1	L-9
1400+85		1	L-9
1400+99		1	L-9
1401+12		1	L-9
1406+79		1	L-10
1410+53		1	L-10
1411+86		1	L-10
1413+08		1	L-10
1414+55		1	L-10
1415+52		1	L-10
1417+00		1	L-10
1417+14		1	L-10
1419+00		1	L-11
1419+14		1	L-11
1421+55		1	L-11
1421+69		1	L-11
1425+39		1	L-11
1425+53		1	L-11
1428+51		1	L-11
1428+64		1	L-11
1430+71		1	L-11
1430+85		1	L-11
1432+89		1	L-11
1433+02		1	L-12
1434+18		1	L-12
1435+41		1	L-12
1436+77		1	L-12
1436+90		1	L-12
1437+73		1	L-12
1437+87		1	L-12
1440+52		1	L-12
1441+73		1	L-12
1441+86		1	L-12
1443+26		1	L-12
1443+40		1	L-12
1444+27		1	L-12
1448+01		1	L-13
1448+87		1	L-13
1449+00		1	L-13
1449+14		1	L-13
1449+27		1	L-13
1449+41		1	L-13
1451+76		1	L-13
1454+35		1	L-13
1454+48		1	L-13
1454+62		1	L-13
1454+75		1	L-13
1455+51		1	L-13
1459+20		1	L-13
SUBTOTAL	1	51	
EB TOTAL	103		

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

WESTBOUND

STATION	No. OF SLABS (N) LANE 1	No. OF SLABS (N) LANE 2	PLAN SHEET
1284+00		1	L-1
1284+77		1	L-1
1285+50		1	L-1
1287+27		1	L-1
1289+00		1	L-1
1290+85		1	L-1
1293+09	1		L-2
1296+13		1	L-2
1300+12		1	L-2
1303+78		1	L-2
1308+10		1	L-3
1312+30	1		L-3
1314+00		1	L-3
1315+90		1	L-3
1317+70		1	L-4
1318+69		1	L-4
1323+18		1	L-4
1336+03		1	L-5
1340+03		1	L-5
1341+70		1	L-5
1341+84		1	L-5
1342+46		1	L-5
1343+19		1	L-5
1343+89		1	L-5
1344+02		1	L-5
1347+88		1	L-6
1348+02		1	L-6
1351+43	1		L-6
1351+56		1	L-6
1354+51	1		L-6
1354+64		1	L-6
1354+78		1	L-6
1361+58		1	L-7
1363+87		1	L-7
1364+00		1	L-7
1364+13		1	L-7
SUBTOTAL	4	32	

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

WESTBOUND

STATION	No. OF SLABS (N) LANE 1	No. OF SLABS (N) LANE 2	PLAN SHEET
1366+30		1	L-7
1366+43		1	L-7
1366+57		1	L-7
1366+70		1	L-7
1367+27		1	L-7
1369+65		1	L-7
1380+87		1	L-8
1386+00		1	L-8
1398+21		1	L-9
1410+42		1	L-10
1422+63		1	L-11
1431+55		1	L-11
1432+86		1	L-11
1433+64		1	L-12
1434+83		1	L-12
1438+14		1	L-12
1440+12		1	L-12
1446+52		1	L-12
1447+06		1	L-13
1448+20		1	L-13
1448+93		1	L-13
1449+07		1	L-13
1450+15		1	L-13
1450+87		1	L-13
1451+60		1	L-13
1454+23		1	L-13
SUBTOTAL	0	26	
WB TOTAL	62		
GRAND TOTAL	165		

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

NOTE:

1. FOR VOLUME OF INDIVIDUAL SLAB REPLACEMENT (RSC), SEE SHEET Q-3

SUMMARY OF QUANTITIES

Q-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN
FUNCTIONAL SUPERVISOR: RENEE SASSE
CALCULATED-DESIGNED BY: JOSEPH NOPRE
CHECKED BY: WILLIAM PAN
REVISED BY / DATE REVISED

LAST REVISION 04-29-13 | DATE PLOTTED => 05-JUN-2013 | TIME PLOTTED => 06:27

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	43	49

William Pan 4-29-13
REGISTERED CIVIL ENGINEER DATE

6-3-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
WILLIAM PAN
No. 74056
Exp. 6-30-13
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.

HOT MIX ASPHALT DIKE

EASTBOUND

No.	FROM Sta	TO Sta	REMOVE AC DIKE	PLACE HMA DIKE (TYPE E)	NOTES
			LF	LF	
1	1318+04	1327+00	896	896	SHEET L-4
2	1331+64	1348+79	1715	1715	SHEET L-5
3	1340+95	1350+45	950	950	SHEET L-6
4	1353+25	1358+62	537	537	SHEET L-6
5	1353+42	1362+98	956	956	SHEET L-6
6	1440+69	1459+26	1857	1857	SHEET L-12
SUBTOTAL			6911	6911	

NOTE:

1. FOR HOT MIX ASPHALT (TYPE A) AND RUBBERIZED HOT MIX ASPHALT, SUPERPAVE (GAP GRADED) QUANTITIES, SEE ROADWAY QUANTITY TABLE ON SHEET Q-3.

WESTBOUND

No.	FROM Sta	TO Sta	REMOVE AC DIKE	PLACE HMA DIKE (TYPE E)	NOTES
			LF	LF	
7	1302+52	1323+78	2126	2126	SHEET L-2
8	1332+95	1344+90	1195	1195	SHEET L-5
9	1348+96	1351+97	301	301	SHEET L-6
10	1354+67	1358+67	400	400	SHEET L-6
11	1423+13	1429+98	685	685	SHEET L-11
SUBTOTAL			4707	4707	
TOTAL			11618	11618	

NOTE:

1. FOR HOT MIX ASPHALT (TYPE A) AND RUBBERIZED HOT MIX ASPHALT, SUPERPAVE (GAP GRADED) QUANTITIES, SEE ROADWAY QUANTITY TABLE ON SHEET Q-3

DRAINAGE QUANTITIES

PLAN SHEET	REMOVE OVERSIDE DRAIN	PLACE HMA (Misc AREA)	RSP (BACKING No. 3 METHOD B)	RSP FABRIC (CLASS 8)	DESCRIPTION	STATION
	EA	SQYD	CY	SQYD		
L-5	1	21.3			ASPHALT CONCRETE OVERSIDE DRAIN (STD. PLAN D87D)	1340+70.75
L-5			2.2	11.9	10′ x 8′ x 0.75′ RSP PER DETAIL SHEET C-1	1340+64.95
L-13		37.4			ASPHALT CONCRETE OVERSIDE DRAIN (STD. PLAN D87D)	1455+40.83
L-13			2.2	11.9	10′ x 8′ x 0.75′ RSP PER DETAIL SHEET C-1	1455+15.25
TOTAL	1	58.7	4.4	23.8		

NOTE:

1. FOR HMA-A QUANTITY, SEE ROADWAY QUANTITY TABLE

REMOVE CONCRETE (CURB & GUTTER)

PLAN SHEET	Sta OFFSET	REMOVE CONCRETE (CURB AND GUTTER)
		LF
C-2	170.15 R+ RTE 10 1348+73.1 248.87 R+ RTE 10 1349+41.35	127
TOTAL		127

MINOR CONCRETE (CURB AND CURB RAMP)

PLAN SHEET	Sta OFFSET	MINOR CONCRETE (CURB AND CURB RAMP)			DESCRIPTION
		(TYPE A2-8)	CURB RAMP (CASE A)	TOTAL	
		CY	CY	CY	
C-2	170.15 R+ RTE 10 1348+73.1 248.87 R+ RTE 10 1349+41.35	8.61	2.94	11.55	CONCRETE CURB AND CURB RAMP AT EB DILLON EXIT RAMP
TOTAL				11.55	

SUMMARY OF QUANTITIES

Q-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN
FUNCTIONAL SUPERVISOR: RENEE SASSE
CALCULATED-DESIGNED BY: JOSEPH NOPRE
CHECKED BY: WILLIAM PAN
REVISED BY
DATE REVISED

LAST REVISION 04-29-13
DATE PLOTTED => 05-JUN-2013
TIME PLOTTED => 06:27

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	44	49

William Pan 5-9-13
REGISTERED CIVIL ENGINEER DATE

6-3-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
WILLIAM PAN
No. 74056
Exp. 6-30-13
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.

ROADWAY QUANTITIES

LOCATION	STATION	GRIND EXISTING CONCRETE PAVEMENT	ROADWAY EXCAVATION	COLD PLANE AC PAVEMENT	HOT MIX ASPHALT (TYPE-A) DIKE	HOT MIX ASPHALT (TYPE-A) OVERSIDE DRAIN	HOT MIX ASPHALT (TYPE-A) SHOULDER	HOT MIX ASPHALT (TYPE-A) TOTAL	HMA - TYPE A BOND BREAKER	LEAN CONCRETE BASE	RUBBERIZED HMA SUPERPAVE (GAP GRADED) SHOULDERS AND RAMPS	RUBBERIZED HMA SUPERPAVE (GAP GRADED) UNDER DIKE	RUBBERIZED HMA SUPERPAVE (GAP GRADED) TOTAL	JPCP (RAPID STRENGTH CONCRETE)	RAPID STRENGTH CONCRETE BASE	BASE BOND BREAKER	JOINTED PLAIN CONCRETE PAVEMENT	CLASS 2 AGGREGATE SUBBASE	CLASS 2 AGGREGATE BASE	INDIVIDUAL SLAB REPLACEMENT (RSC)	DOWEL BARS (DRILL AND BOND)	SHOULDER RUMBLE STRIP (Conc Pvmt, GROUND-IN INDENTATION)	SHOULDER RUMBLE STRIP (HMA, GROUND-IN INDENTATION)	TACK COAT	CRACK TREATMENT	SEAL ISOLATION JOINT	SEAL PAVEMENT JOINT	REPLACE UNDERLYING BASE (LCBRS)	SEAL JOINT (EXISTING CONCRETE PAVEMENT)	NOTES
		SQYD	CY	SQYD	TON	TON	TON	TON	TON	CY	TON	TON	TON	CY	CY	SQYD	CY	CY	CY	CY	EA	Sta	Sta	TON	LNMI	LF	LF	CY	LF	
EB RTE 10	Sta 1277+16 TO 1301+00		463.6				561.7	561.7			172.9		172.9						154.5				24	1.21						RECONSTRUCT Shld
	Sta 1283+55.31 TO 1459+25.62	44585.6		27014.8	176.1	5.4		181.5			3525.5	136.2	3661.7			1716.7				401.7	2266		321	12.10	6.5			278.1	5253	
	Sta 1285+00 TO 1296+71.12		1612.6						136.9	641.2							874.3		458.5			12				1180	2210			LANE DROP W/Shld
WB RTE 10	Sta 1283+55.31 TO 1459+25.62	44522.2		29285.0	119.9			119.9			3821.7	226.7	4048.4			1116.0				260.4	1364		352	12.20	6.5			180.3	3162	
DILLON ROAD RAMPS	EB EXIT Sta 1336+57.16 TO 1348+25.26			2905.8							379.2		379.2											1.33						
	EB EXIT Sta 1348+53.75 TO 1350+16.41		306.7											136.3	68.1	511.1		102.2								120	710			RAMP TERMINUS
	EB ENTRANCE Sta 1350+37.80 TO 1369+88.71			4913.3							641.2		641.2											2.25						
	WB EXIT Sta 1356+69.33 TO 1367+96.93			2875.8							375.3		375.3											1.32						
	WB EXIT Sta 1355+24.80 TO 1356+77.44		308.7											137.2	68.6	514.4		102.9								100	1030			RAMP TERMINUS
	WB ENTRANCE Sta 1331+88.52 TO 1355+13.76			5053.4							659.5		659.5											2.32						
TOTAL		89107.8	2691.6	72048.1				863.1	136.9	641.2			9938.2	273.5	136.7	3858.2	874.3	205.1	613.0	662.1	3630	12	697	32.73	13.0	1400	3950	458.4	8415	

SUMMARY OF QUANTITIES

Q-3

CALCULATED-DESIGNED BY	JOSEPH NOPRE	REVISED BY
CHECKED BY	WILLIAM PAN	DATE REVISED

FUNCTIONAL SUPERVISOR: RENEE SASSE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans DESIGN

LAST REVISION 05-09-13 | DATE PLOTTED => 05-JUN-2013 | TIME PLOTTED => 06:27

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	45	49

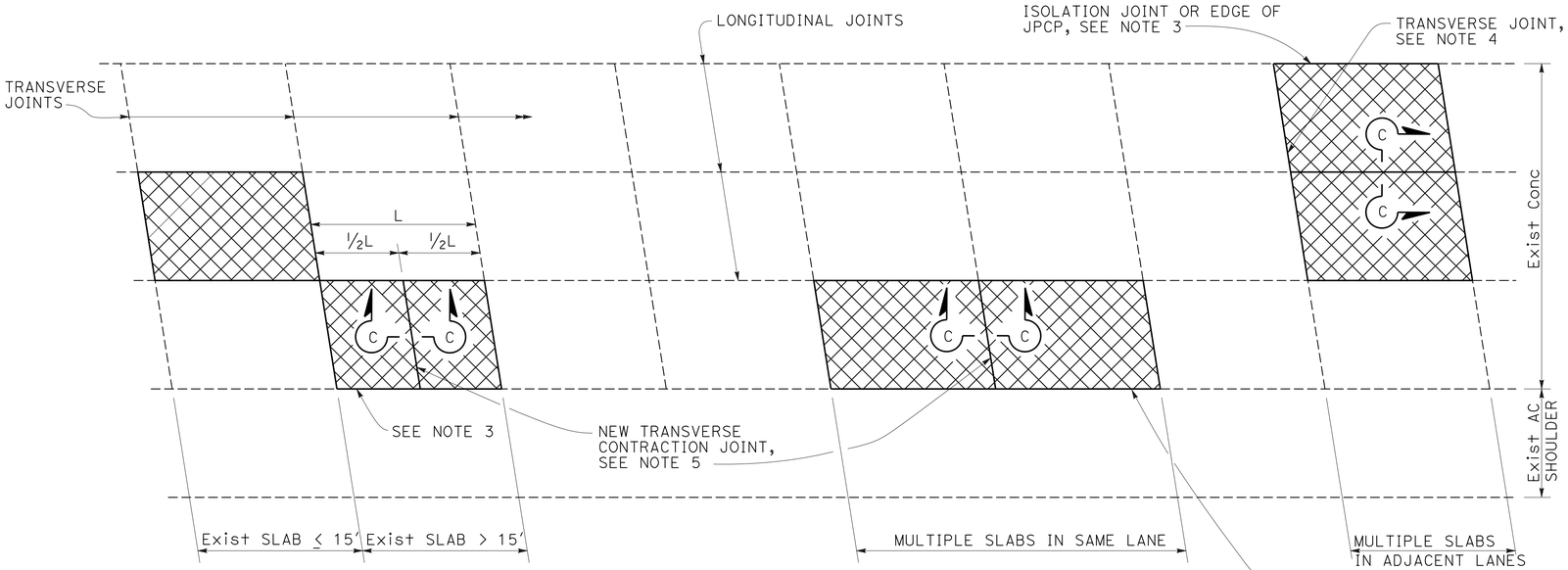
William K. Farnbach
REGISTERED CIVIL ENGINEER

April 20, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
William K. Farnbach
No. C49042
Exp. 9-30-12
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.

TO ACCOMPANY PLANS DATED 6-3-13



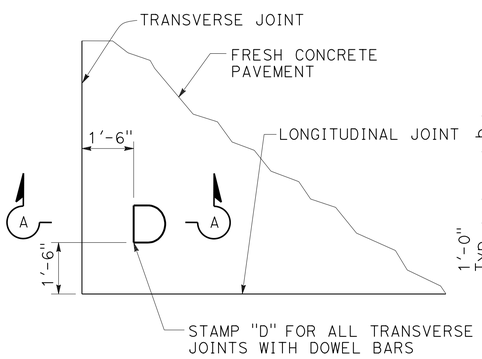
PLAN

NOTES:

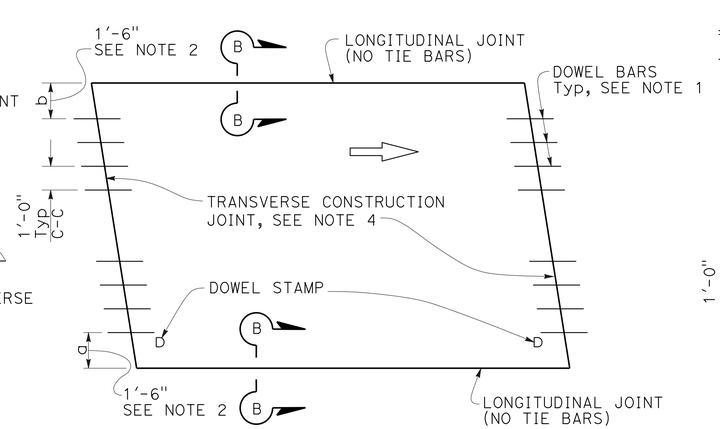
1. For details not shown, see Revised Standard Plan P10.
2. Where the existing outer shoulder pavement is asphalt concrete pavement, the "a" dimension shall be 1'-0" and the "b" dimension shall be 2'-0".
3. Side forms shall be used where edge of pavement is adjacent to asphalt concrete.
4. For detail, see Transverse Construction Joint for existing concrete pavement detail on Revised Standard Plan P10.
5. Transverse joint to match skew of existing joint. Omit dowel bars.

LEGEND:

Replace Concrete Pavement (See Slab Layout Detail)

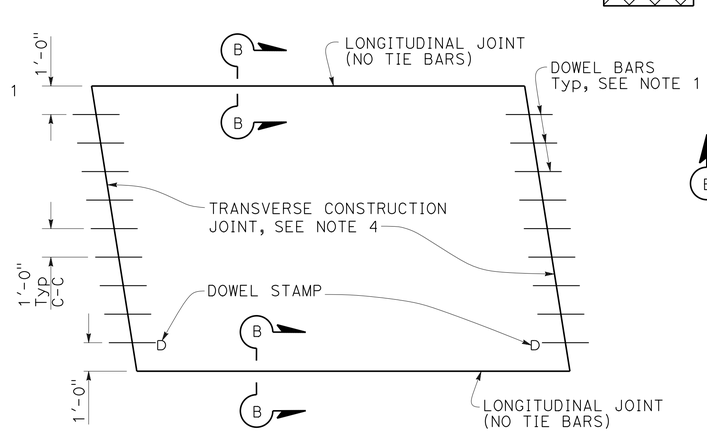


DOWEL STAMP DETAIL



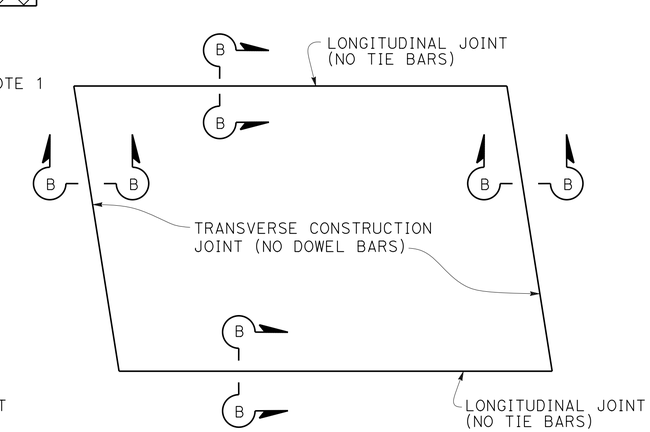
TYPE I

Traffic lane lines match longitudinal joints



TYPE II

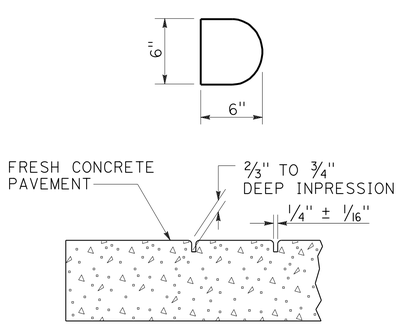
Traffic lane lines do not match longitudinal joints



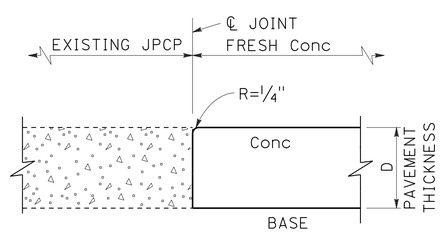
TYPE III

For short term repairs < 5 yrs design life or for slab replacements with a cracking and seating operation

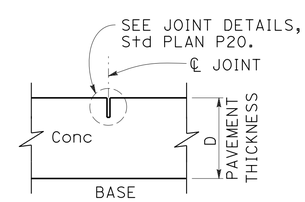
SLAB LAYOUT



SECTION A-A



SECTION B-B



SECTION C-C

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

JOINTED PLAIN CONCRETE PAVEMENT-INDIVIDUAL SLAB REPLACEMENT

NO SCALE

RSP P8 DATED APRIL 20, 2012 SUPERSEDES STANDARD PLAN P8
DATED MAY 20, 2011 - PAGE 130 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP P8

2010 REVISED STANDARD PLAN RSP P8

2-22-12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	46	49

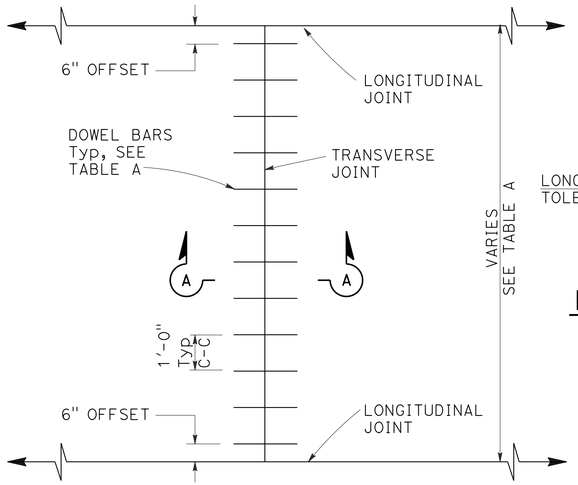
William K. Farnbach
REGISTERED CIVIL ENGINEER

April 20, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
William K. Farnbach
No. C49042
Exp. 9-30-12
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.

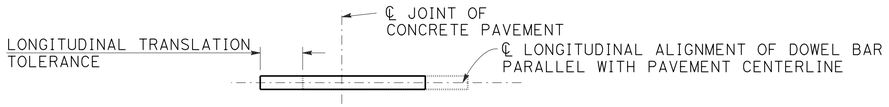
TO ACCOMPANY PLANS DATED 6-3-13



TRANSVERSE JOINT DOWEL BAR LAYOUT

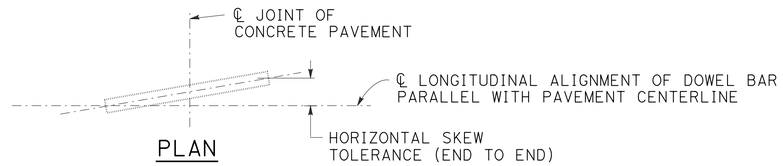
PLAN

HORIZONTAL OFFSET TOLERANCE



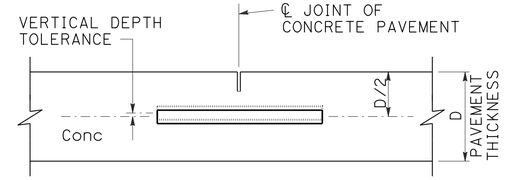
PLAN

LONGITUDINAL TRANSLATION TOLERANCE



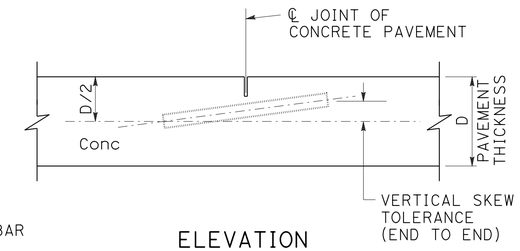
PLAN

HORIZONTAL SKEW TOLERANCE



ELEVATION

VERTICAL DEPTH TOLERANCE

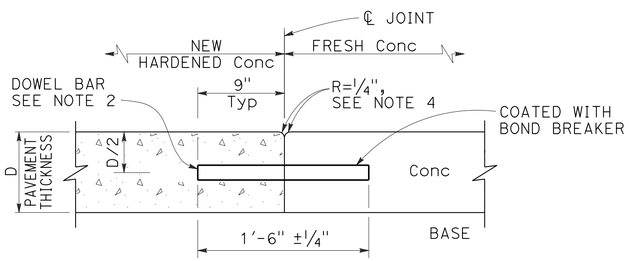


ELEVATION

VERTICAL SKEW TOLERANCE

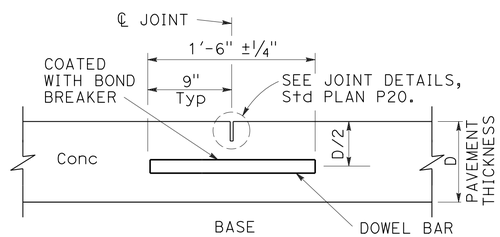
NOTES:

1. See Standard Plan P1 for typical dowel bar placement and locations.
2. 1½" Dia dowel bars are to be used with a pavement thickness, D, equal to or greater than 0.70 feet. For pavement thickness, D, less than 0.70 feet, use 1¼" Dia dowel bars.
3. For widths not shown, see Project Plans.
4. If fresh concrete pavement is placed adjacent to existing concrete pavement, the top corner of the existing concrete pavement does not need to be rounded to the ¼" radius, as shown.
5. May also use ¾" Dia dowel bars 2'-4" ± ¼" in length. Center the length of dowel bars at the centerline of longitudinal joint.

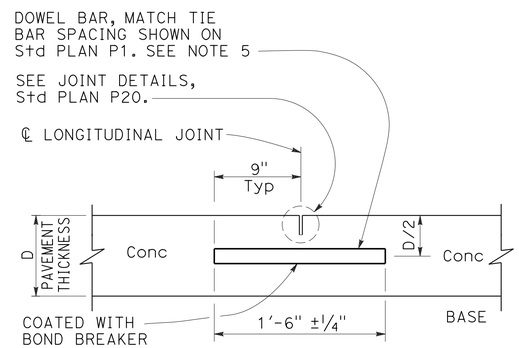


SECTION A-A

TRANSVERSE CONSTRUCTION JOINT DETAIL



TRANSVERSE CONTRACTION JOINT

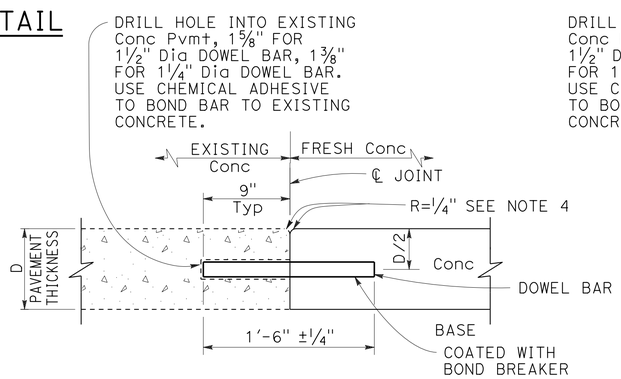


LONGITUDINAL CONTRACTION JOINT WITH DOWEL BARS

See Revised Std Plan RSP P18

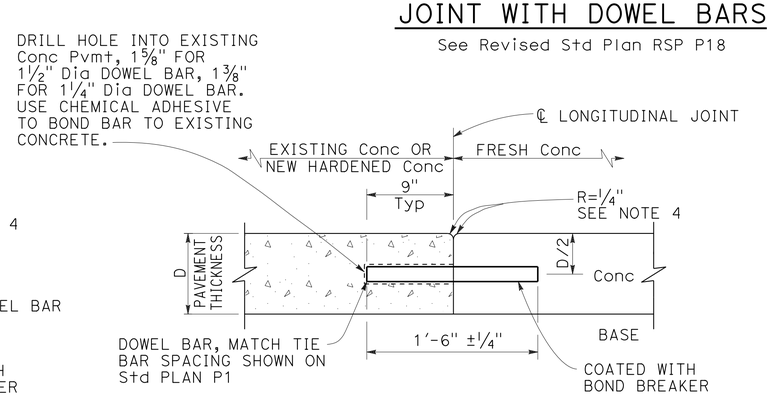
TABLE A (See Note 3)

DOWEL BAR TRANSVERSE SPACING TABLE	
WIDTH BETWEEN LONGITUDINAL JOINTS	NUMBER OF DOWELS BETWEEN LONGITUDINAL JOINTS
14'-0"	14
13'-0"	13
12'-0"	12
11'-0"	11
10'-0"	10
8'-0"	8
5'-0"	5
4'-0"	4



TRANSVERSE CONSTRUCTION JOINT FOR EXISTING CONCRETE PAVEMENT

Drill and bond locations



LONGITUDINAL CONSTRUCTION JOINT WITH DOWEL BARS

See Revised Std Plan RSP P18

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONCRETE PAVEMENT-DOWEL BAR DETAILS

NO SCALE

RSP P10 DATED APRIL 20, 2012 SUPERSEDES STANDARD PLAN P10 DATED MAY 20, 2011 - PAGE 131 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP P10

2010 REVISED STANDARD PLAN RSP P10

2-22-12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	47	49

William K. Farnbach
REGISTERED CIVIL ENGINEER

April 20, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
William K. Farnbach
No. C49042
Exp. 9-30-12
CIVIL
STATE OF CALIFORNIA

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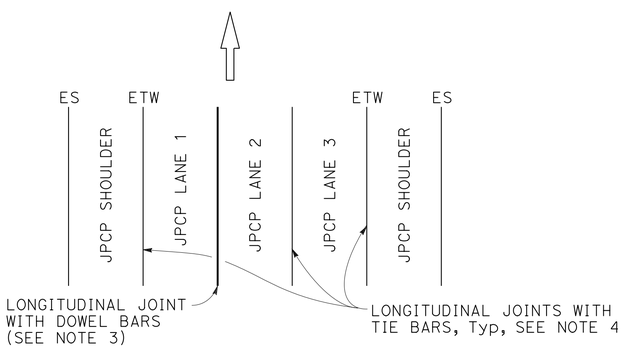
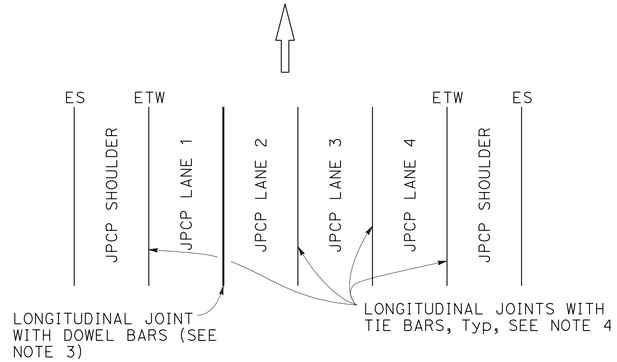
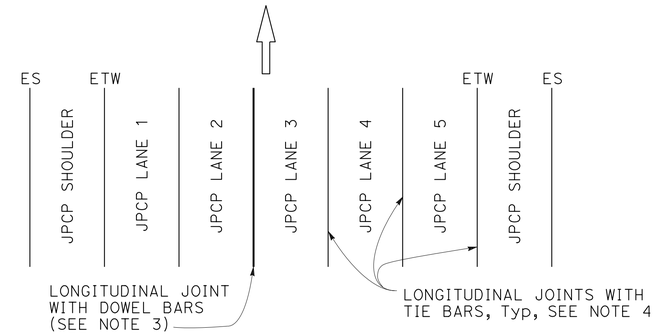
TO ACCOMPANY PLANS DATED 6-3-13



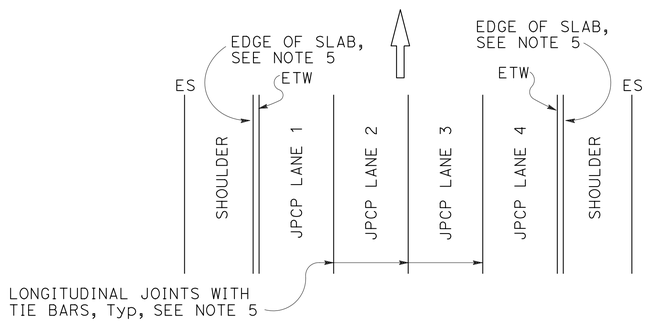
3 LANES WITH CONCRETE SHOULDERS
PLAN



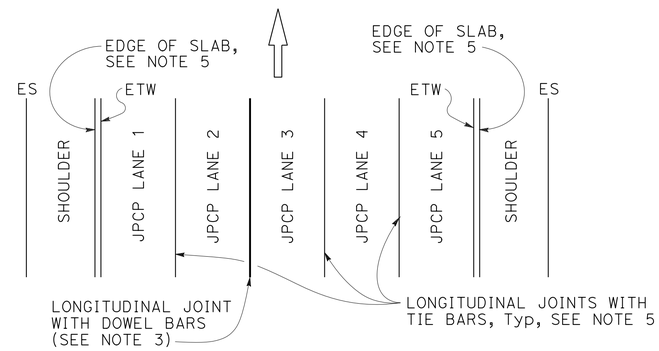
4 LANES WITH CONCRETE SHOULDERS
PLAN



5 LANES WITH CONCRETE SHOULDERS
PLAN



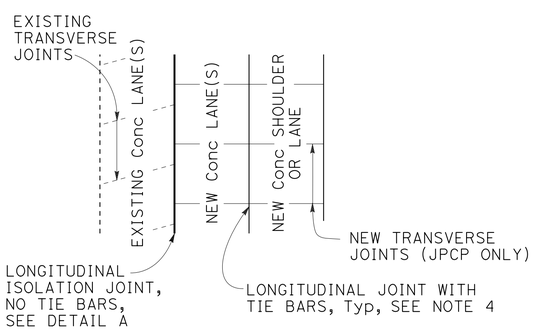
4 LANES OR LESS WITH AC SHOULDERS
PLAN



5 LANES WITH AC SHOULDERS
PLAN

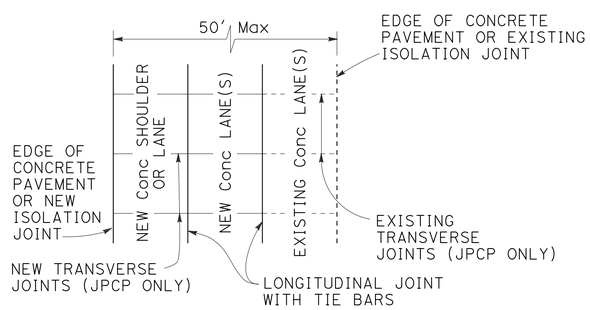
NEW CONSTRUCTION

Location of Longitudinal Joints For JPCP



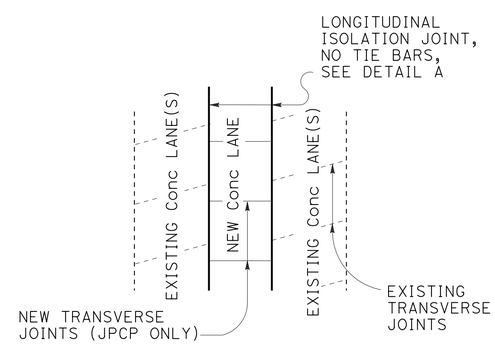
CASE 1
PLAN

Transverse Joints do not align between new and existing.



CASE 2
PLAN

Transverse Joints align between new and existing.



CASE 3 (INTERIOR LANE REPLACEMENT)
PLAN

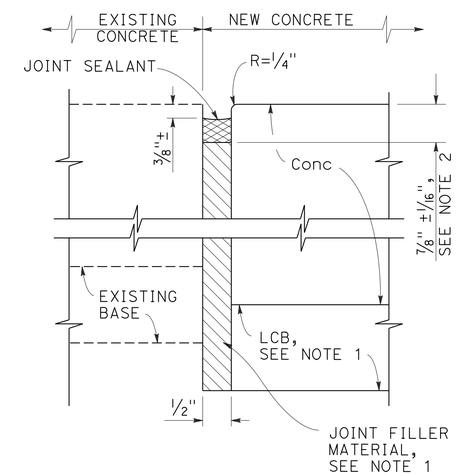
Transverse Joints do not align between new and existing.

LANE/SHOULDER ADDITION OR RECONSTRUCTION

For JPCP and CRCP

NOTES:

1. Where Lean Concrete Base is not used as base material, the joint filler material used for the longitudinal isolation joint shall only extend to the bottom of the new concrete slab. See Detail A.
2. Use 5/8" ±1/16" dimension for silicone sealant.
3. See Revised Standard Plan RSP P10 for longitudinal joint with dowel bars.
4. See Standard Plan P1.
5. See Standard Plan P2.



DETAIL "A"

ISOLATION JOINT

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONCRETE PAVEMENT-LANE SCHEMATICS AND ISOLATION JOINT DETAIL

NO SCALE

RSP P18 DATED APRIL 20, 2012 SUPERSEDES STANDARD PLAN P18 DATED MAY 20, 2011 - PAGE 135 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP P18

2010 REVISED STANDARD PLAN RSP P18

2-22-12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	48	49

REGISTERED CIVIL ENGINEER

April 20, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER William K. Farnbach No. C49042 Exp. 9-30-12 CIVIL STATE OF CALIFORNIA

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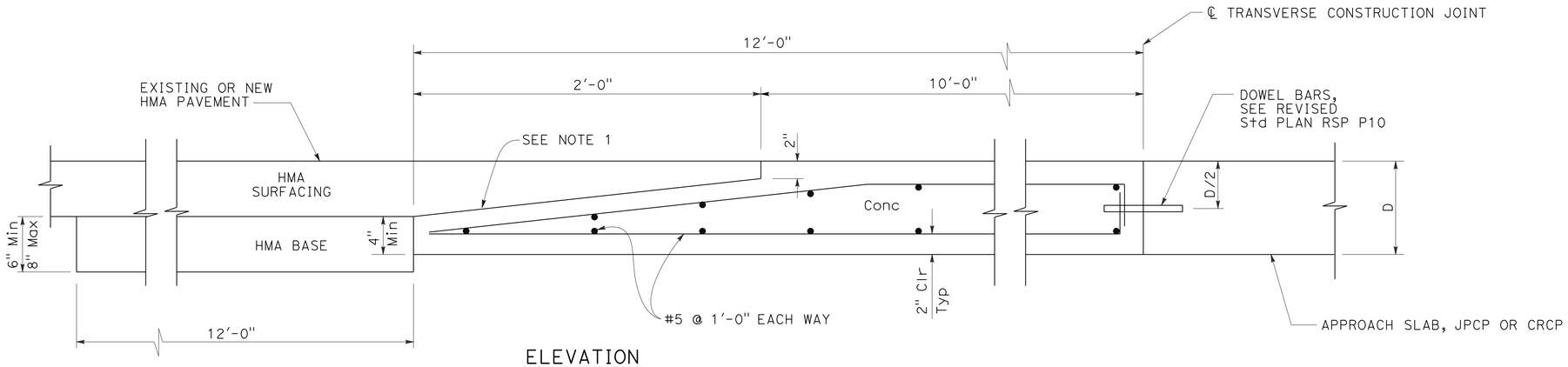
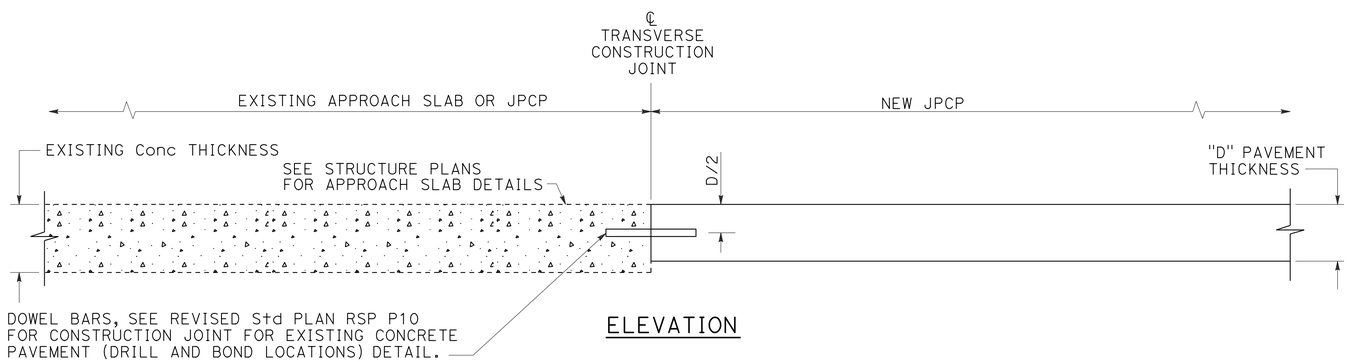
TO ACCOMPANY PLANS DATED 6-3-13

2010 REVISED STANDARD PLAN RSP P30



ELEVATION

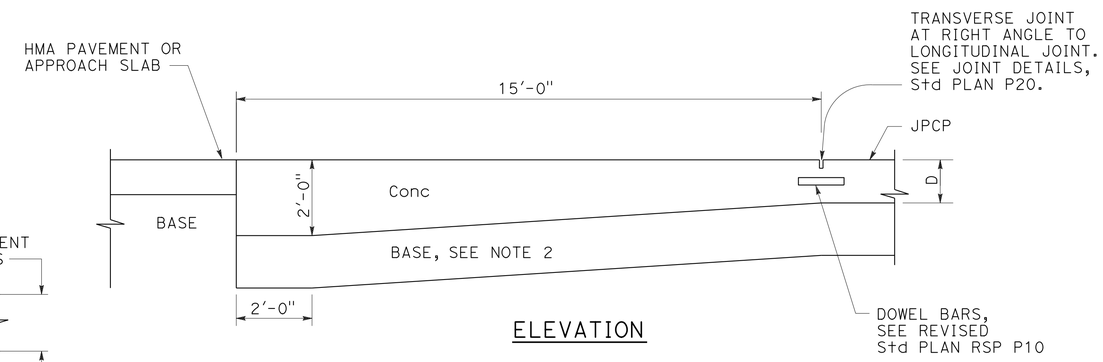
CONCRETE PAVEMENT TRANSITION PANEL



ELEVATION

TERMINAL JOINT TYPE 1

For Exist JPCP or Structure Approach Slab



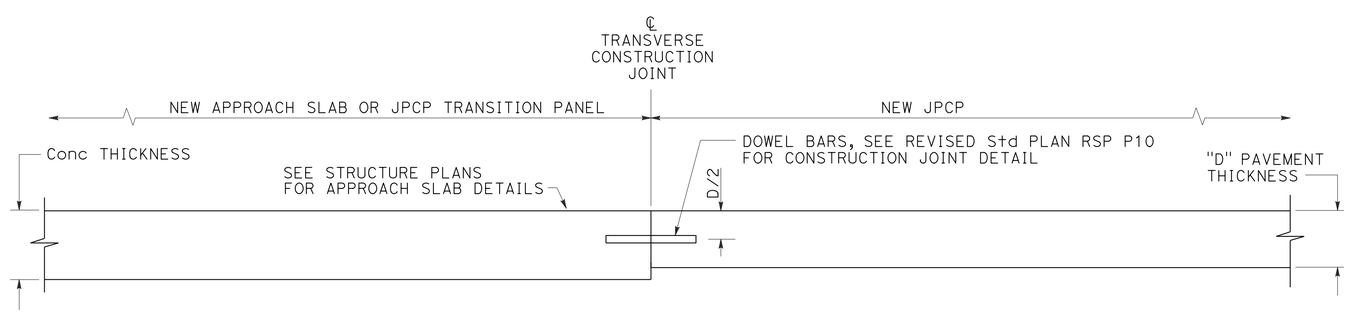
ELEVATION

PAVEMENT END ANCHOR

For HMA Pvmt or Structure Approach Slab

NOTES:

1. Heavy broom finish.
2. Maintain same base thickness as JPCP.



ELEVATION

TERMINAL JOINT TYPE 2

For JPCP Transition Panel or Structure Approach Slab

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONCRETE PAVEMENT-END PANEL PAVEMENT TRANSITIONS

NO SCALE

RSP P30 DATED APRIL 20, 2012 SUPERSEDES STANDARD PLAN P30
DATED MAY 20, 2011 - PAGE 137 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP P30

2-22-12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R57.6/R60.9	49	49

REGISTERED CIVIL ENGINEER

April 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Gurinderpal Bhullar No. C48815 Exp. 9-30-14 CIVIL STATE OF CALIFORNIA

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TO ACCOMPANY PLANS DATED 6-3-13

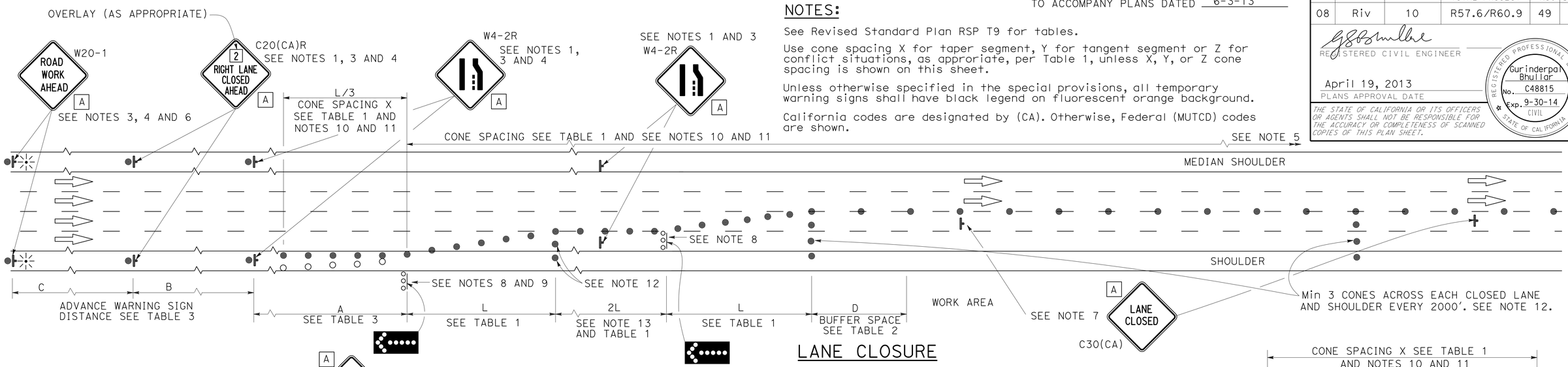
NOTES:

See Revised Standard Plan RSP T9 for tables.

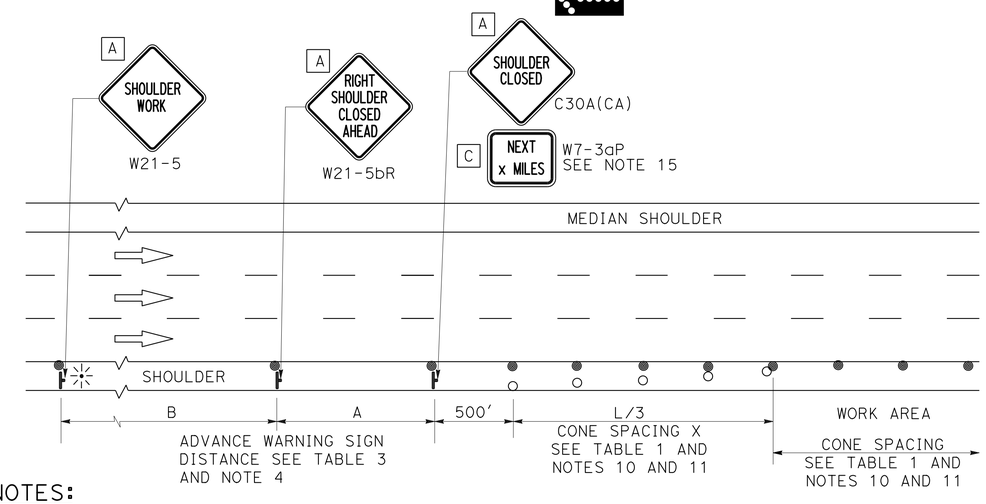
Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as approriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.

Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background.

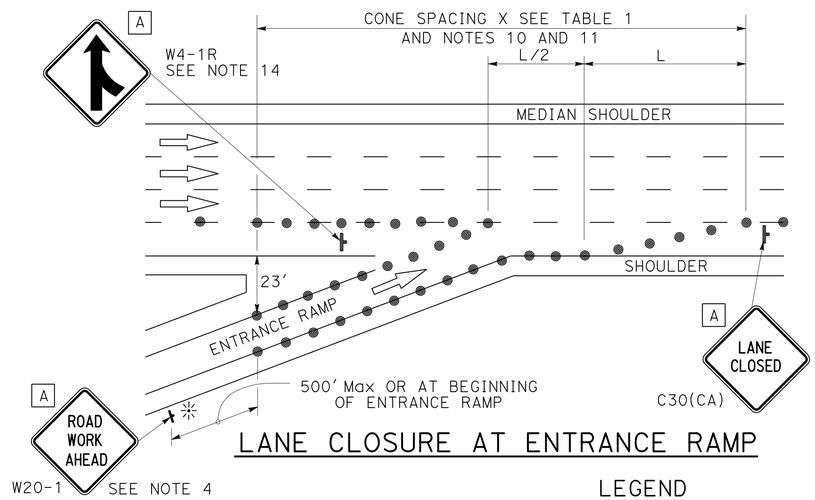
California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.



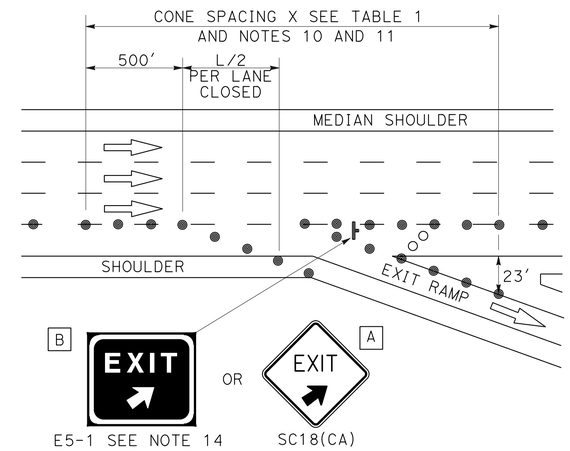
LANE CLOSURE



SHOULDER CLOSURE



LANE CLOSURE AT ENTRANCE RAMP



LANE CLOSURE AT EXIT RAMP

NOTES:

1. Median lane closures shall conform to the details as shown except that C20(CA)L and W4-2L signs shall be used.
2. At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closures.
3. Duplicate sign installations are not required:
   a) On opposite shoulder if at least one-half of the available lanes remain open to traffic.
   b) In the median if the width of the median shoulder is less than 8' and the outside lanes are to be closed.
4. Each advance warning sign on each side of the roadway shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
5. A G20-2 "END ROAD WORK" sign, with minimum size of 48" x 24" as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious or ends within a larger project's limits.
6. If the W20-1 sign would follow within 2000' of a stationary W20-1 or G20-1 "ROAD WORK NEXT _____ MILES", use a C20(CA) sign for the first advance warning sign.
7. Place a C30(CA) sign every 2000' throughout length of lane closure.
8. One flashing arrow sign for each lane closed. The flashing arrow signs shall be Type I.
9. A minimum 1500' of sight distance shall be provided where possible for vehicles approaching the first flashing arrow sign. Lane closures shall not begin at top of crest vertical curve or on a horizontal curve.
10. All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
11. Portable delineators, placed at one-half the spacing indicated for traffic cones may be used instead of cones for daytime closures only.
12. Unless otherwise specified in the special provisions, a minimum of 3 cones shall be placed transversely across each closed lane and shoulder at each location where a taper across a traffic lane ends and every 2000' as shown on the "Lane Closure" detail. Two Type II barricades may be used instead of the 3 cones. The transverse alignment of the cones or barricades on the closed shoulder may be shifted from the transverse alignment to provide access to the work.
13. Unless otherwise specified in the special provisions, the 2L tangent shown along lane lines shall be used between the L tapers required for each closed traffic lane.
14. Unless otherwise specified in the special provisions, the E5-1 or SC18(CA) and W4-1 signs shall be used as shown.
15. A W7-3aP "NEXT____ MILES" plaque must be used if theshoulder closure extends beyond the distance that can be perceived by road users.

LEGEND

- TRAFFIC CONE
- TRAFFIC CONE (OPTIONAL TAPER)
- TEMPORARY TRAFFIC CONTROL SIGN
- FLASHING ARROW SIGN (FAS)
- FAS SUPPORT OR TRAILER
- PORTABLE FLASHING BEACON

SIGN PANEL SIZE (Min)

A	48" x 48"
B	72" x 60"
C	36" x 30"

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON FREEWAYS AND EXPRESSWAYS

NO SCALE

RSP T10 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T10 DATED MAY 20, 2011 - PAGE 237 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T10

2010 REVISED STANDARD PLAN RSP T10

12-18-12