ACNHPI-405-2(970)E

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	1	188

INDEX OF PLANS

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

STATE OF CALIFORNIA

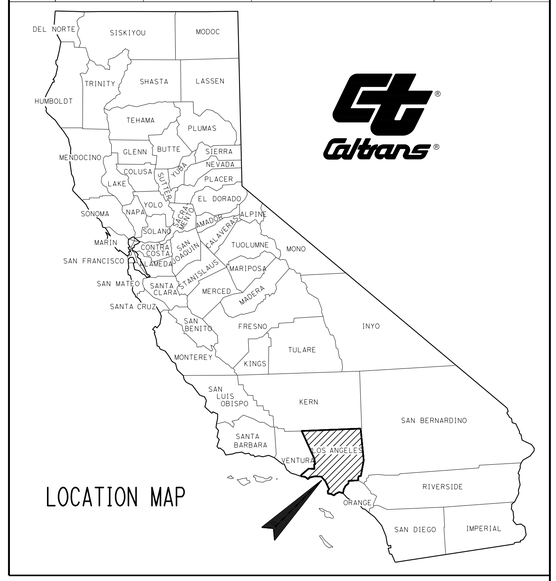
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR BUILDING CONSTRUCTION ON

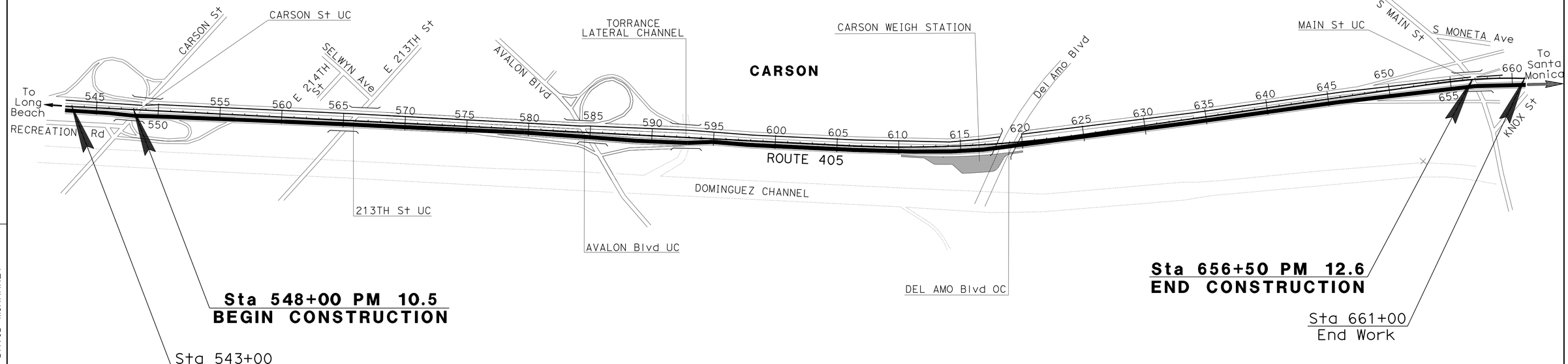
STATE HIGHWAY

IN LOS ANGELES COUNTY
IN CARSON
FROM CARSON STREET UNDERCROSSING
TO MAIN STREET UNDERCROSSING

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010



LOCATION MAP



NO SCALE

PROJECT MANAGER: DAVID MIRAANEY

DESIGN ENGINEER: SULIASTI SUTANTO

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

SULIASTI SUTANTO — 3/7/14
PROJECT ENGINEER — DATE
REGISTERED CIVIL ENGINEER

REGISTERED PROFESSIONAL ENGINEER — SULIASTI SUTANTO — No. C77282 — Exp. 6/30/15 — CIVIL — STATE OF CALIFORNIA

June 23, 2014
PLANS APPROVAL DATE

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

CONTRACT No.	07-288504
PROJECT ID	0700021105

LAST REVISION — DATE PLOTTED => 27-AUG-2014 — TIME PLOTTED => 05:58 — 00-00-00

BORDER LAST REVISED 9/30/2012 | CALTRANS WEB SITE IS: HTTP//WWW.DOT.CA.GOV/ | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => s121614 | DGN FILE => 728850ab001.dgn | UNIT 2124 | PROJECT NUMBER & PHASE 07000211051

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	2	188

3/17/14
REGISTERED CIVIL ENGINEER DATE

SULIASTI SUTANTO No. C77282 Exp 6/30/15 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

6-23-14
PLANS APPROVAL DATE

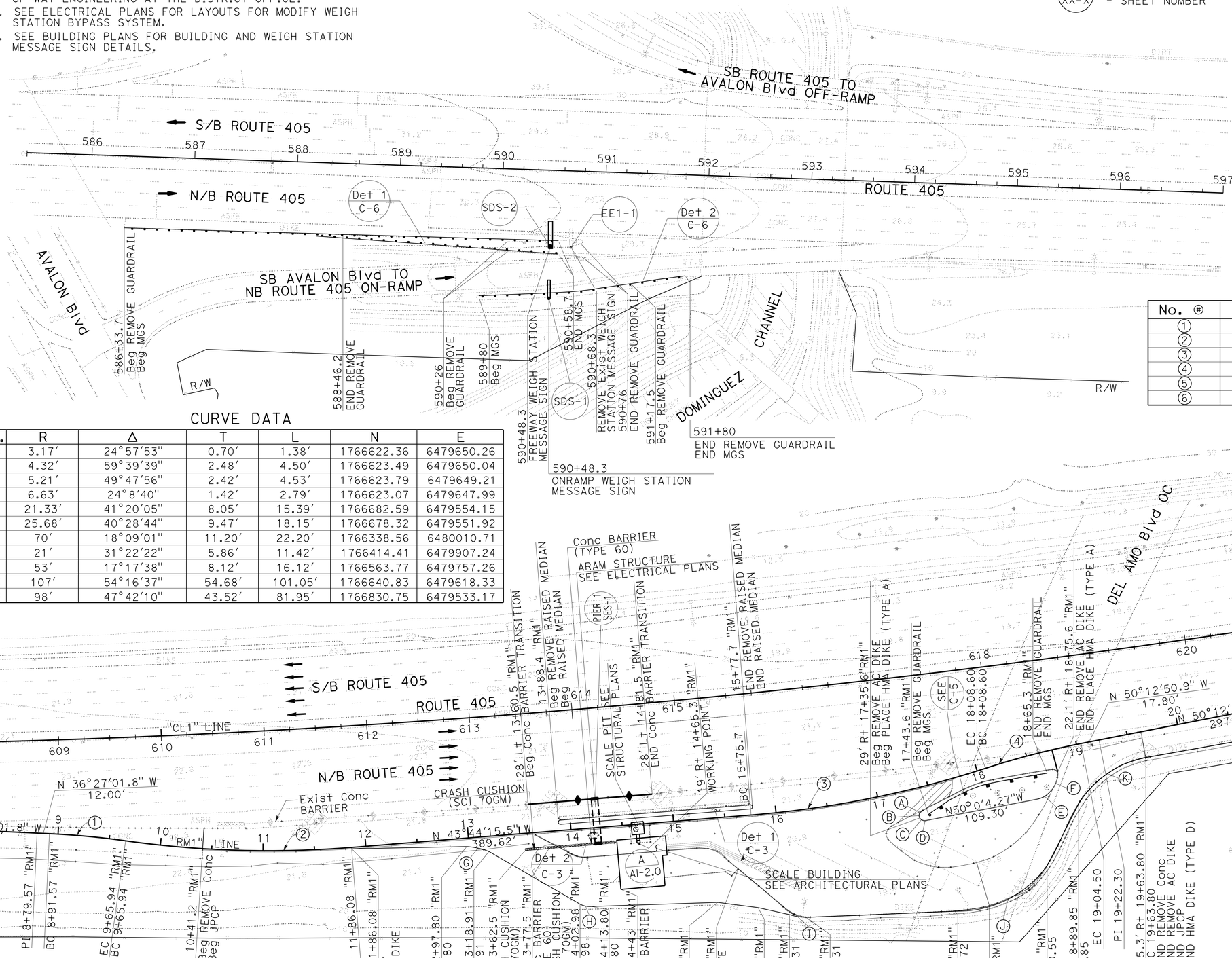
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. SEE ELECTRICAL PLANS FOR LAYOUTS FOR MODIFY WEIGH STATION BYPASS SYSTEM.
3. SEE BUILDING PLANS FOR BUILDING AND WEIGH STATION MESSAGE SIGN DETAILS.

LEGEND:

XXX / XX-X — DETAIL NUMBER / SHEET NUMBER



CURVE DATA

No.	R	Δ	T	L	N	E
Ⓐ	3.17′	24°57′53"	0.70′	1.38′	1766622.36	6479650.26
Ⓑ	4.32′	59°39′39"	2.48′	4.50′	1766623.49	6479650.04
Ⓒ	5.21′	49°47′56"	2.42′	4.53′	1766623.79	6479649.21
Ⓓ	6.63′	24°8′40"	1.42′	2.79′	1766623.07	6479647.99
Ⓔ	21.33′	41°20′05"	8.05′	15.39′	1766682.59	6479554.15
Ⓕ	25.68′	40°28′44"	9.47′	18.15′	1766678.32	6479551.92
Ⓖ	70′	18°09′01"	11.20′	22.20′	1766338.56	6480010.71
Ⓗ	21′	31°22′22"	5.86′	11.42′	1766414.41	6479907.24
Ⓘ	53′	17°17′38"	8.12′	16.12′	1766563.77	6479757.26
Ⓙ	107′	54°16′37"	54.68′	101.05′	1766640.83	6479618.33
Ⓚ	98′	47°42′10"	43.52′	81.95′	1766830.75	6479533.17

CURVE DATA

No. ⑭	R	Δ	T	L
①	800′	05°19′34"	37.21′	74.37′
②	1000′	12°36′48"	110.52′	220.14′
③	1000′	13°20′41"	116.98′	232.91′
④	800′	06°52′06"	48.01′	95.90′
⑤	1500′	01°30′27"	19.74′	39.47′
⑥	10071′	00°43′15"	63.35′	126.70′

LAYOUT

SCALE: 1" = 50′

L-1

LAST REVISION	DATE PLOTTED => 18-AUG-2014
00-00-00	TIME PLOTTED => 13:08

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

REVISED BY	DATE REVISED

SULIASTI SUTANTO — RICHARD KHAW
FUNCTIONAL SUPERVISOR — MOHAMMED CHOWDHURY
CALCULATED-DESIGNED BY
CHECKED BY

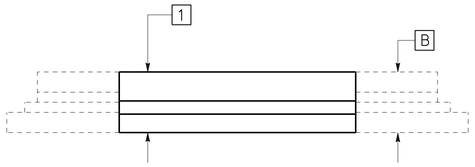
BORDER LAST REVISED 7/2/2010
USERNAME => s128843
DGN FILE => 728850ea001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 2124
PROJECT NUMBER & PHASE 07000211051

NOTES:

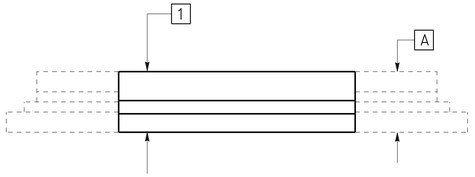
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR CURVE DATA, STATIONS AND OFFSETS NOT SHOWN, SEE SHEET L-1.

LEGENDS:

- REPLACE PCC WITH [1]
- REPLACE ASPHALT CONCRETE WITH [1]
- REMOVE Exist SOIL THEN PAVE WITH [1]
- (R) TREE TO BE REMOVED



REPAVE TRUCK SCALE ACCESS LANES
TYPICAL SECTION
NO SCALE



REPAVE PARKING LOT
TYPICAL SECTION
NO SCALE

EXISTING STRUCTURAL SECTION

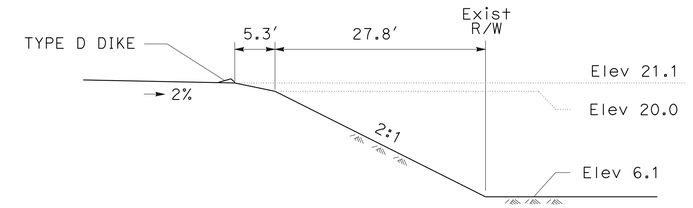
[A]
- 0.33′ TYPE B1 ASPHALT CONCRETE
- 0.50′ CLASS A CEMENT TREATED BASE
- 0.33′ CLASS 2 AGGREGATE BASE
- 0.83′ CLASS 2 AGGREGATE SUB-BASE

[B]
- 0.75′ PORTLAND CEMENT CONCRETE
- 0.33′ CLASS A CEMENT TREATED BASE
- 0.25′ CLASS 2 AGGREGATE BASE
- 0.67′ CLASS 2 AGGREGATE SUB-BASE

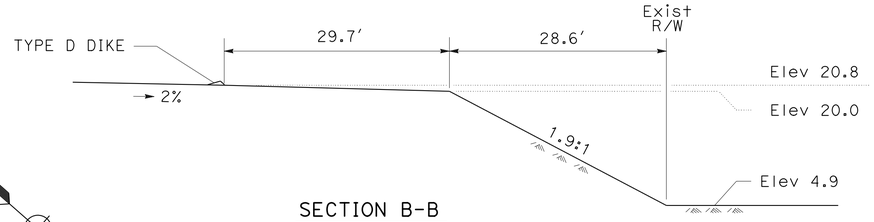
TYPICAL STRUCTURAL SECTION

[1]
- 1.05′ JPCP (JOINTED PLAIN CONCRETE PAVEMENT)
- 0.35′ LCB (LEAN CONCRETE BASE)
- 0.70′ CI3 AB (CLASS 3 AGGREGATE BASE)

[2]
- 0.33′ MINOR Conc (ISLAND PAVING)
- 0.34′ CI3 AB (CLASS 3 AGGREGATE BASE)



SECTION A-A
NO SCALE



SECTION B-B
NO SCALE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	3	188

REGISTERED CIVIL ENGINEER — DATE 3/17/14

SULIASTI SUTANTO No. C77282 Exp 6/30/15 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

6-23-14
PLANS APPROVAL DATE

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

CONSTRUCTION DETAILS

SCALE: 1" = 50′

C-1

LAST REVISION | DATE PLOTTED => 31-JUL-2014
00-00-00 | TIME PLOTTED => 15:25

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN
FUNCTIONAL SUPERVISOR: MOHAMMED CHOWDHURY
CALCULATED-DESIGNED BY: SULIASTI SUTANTO
CHECKED BY: RICHARD KHAW
REVISED BY | DATE REVISED

BORDER LAST REVISED 7/2/2010 | USERNAME => s128843 | DGN FILE => 728850gd001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2124 | PROJECT NUMBER & PHASE 07000211051

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	4	188

REGISTERED CIVIL ENGINEER — DATE 3/17/14

SULIASTI SUTANTO No. C77282 Exp 6/30/15 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

6-23-14
PLANS APPROVAL DATE

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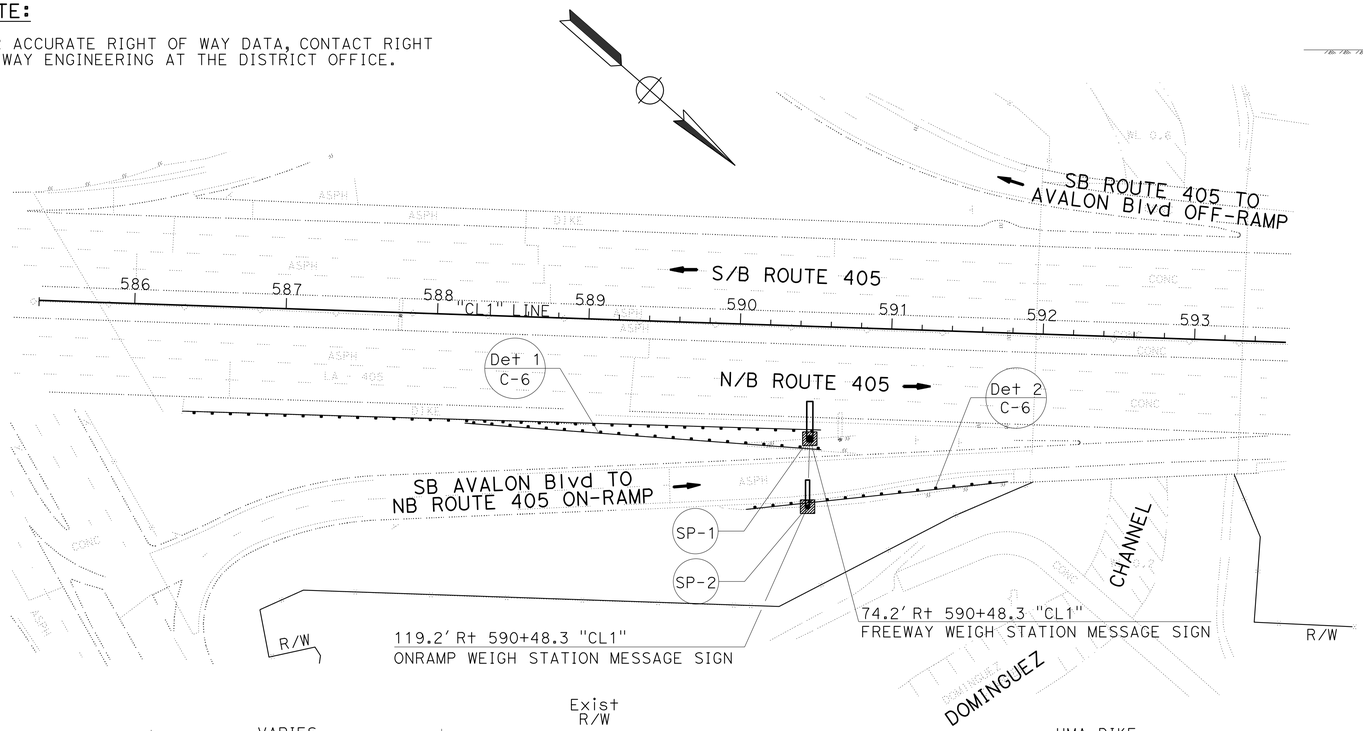
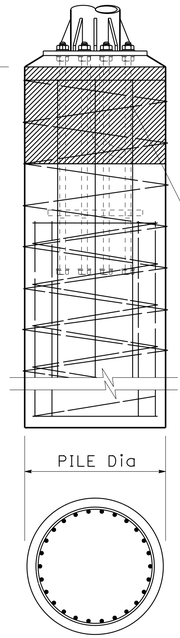
NOTE:

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





SP-1 & SP-2
NO SCALE

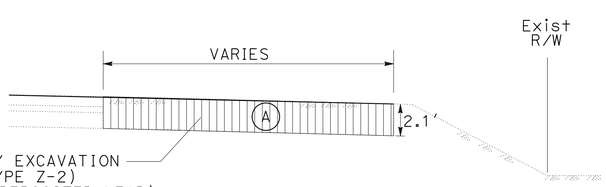
ROADWAY EXCAVATION (TYPE Z-2) (AERIALLY DEPOSITED LEAD)

LOCATION	AREA	DEPTH	VOLUMES
	SQFT	FT	CY
(A)	8870	2.10	689.9
(B)	6100	2.60	587.4
(SP-1) (Dia=4')	12.6	4'	1.9
(SP-2) (Dia=3')	7.1	4'	1.1
TOTAL			1280

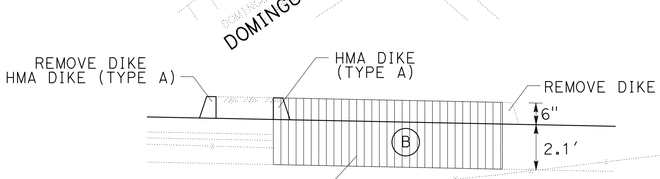
LEGENDS:

ROADWAY EXCAVATION (TYPE Z-2) (AERIALLY DEPOSITED LEAD)

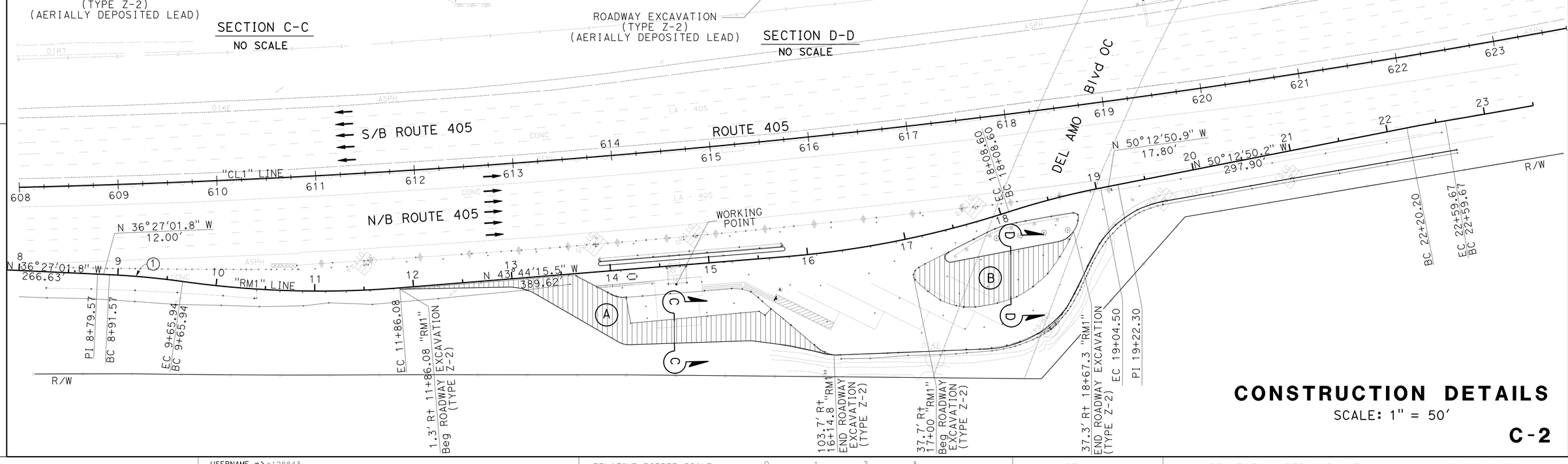
ROADWAY EXCAVATION (TYPE Z-2) (AERIALLY DEPOSITED LEAD)



SECTION C-C
NO SCALE



SECTION D-D
NO SCALE



CONSTRUCTION DETAILS

SCALE: 1" = 50'

C-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: MOHAMMED CHOWDHURY

CALCULATED-DESIGNED BY | CHECKED BY

REVISED BY | DATE REVISED

SULIASTI SUTANTO

LAST REVISION | DATE PLOTTED => 31-JUL-2014 | 00-00-00 | TIME PLOTTED => 15:25

BORDER LAST REVISED 7/2/2010 | USERNAME => s128843 | DGN FILE => 728850ga002.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2124 | PROJECT NUMBER & PHASE 07000211051

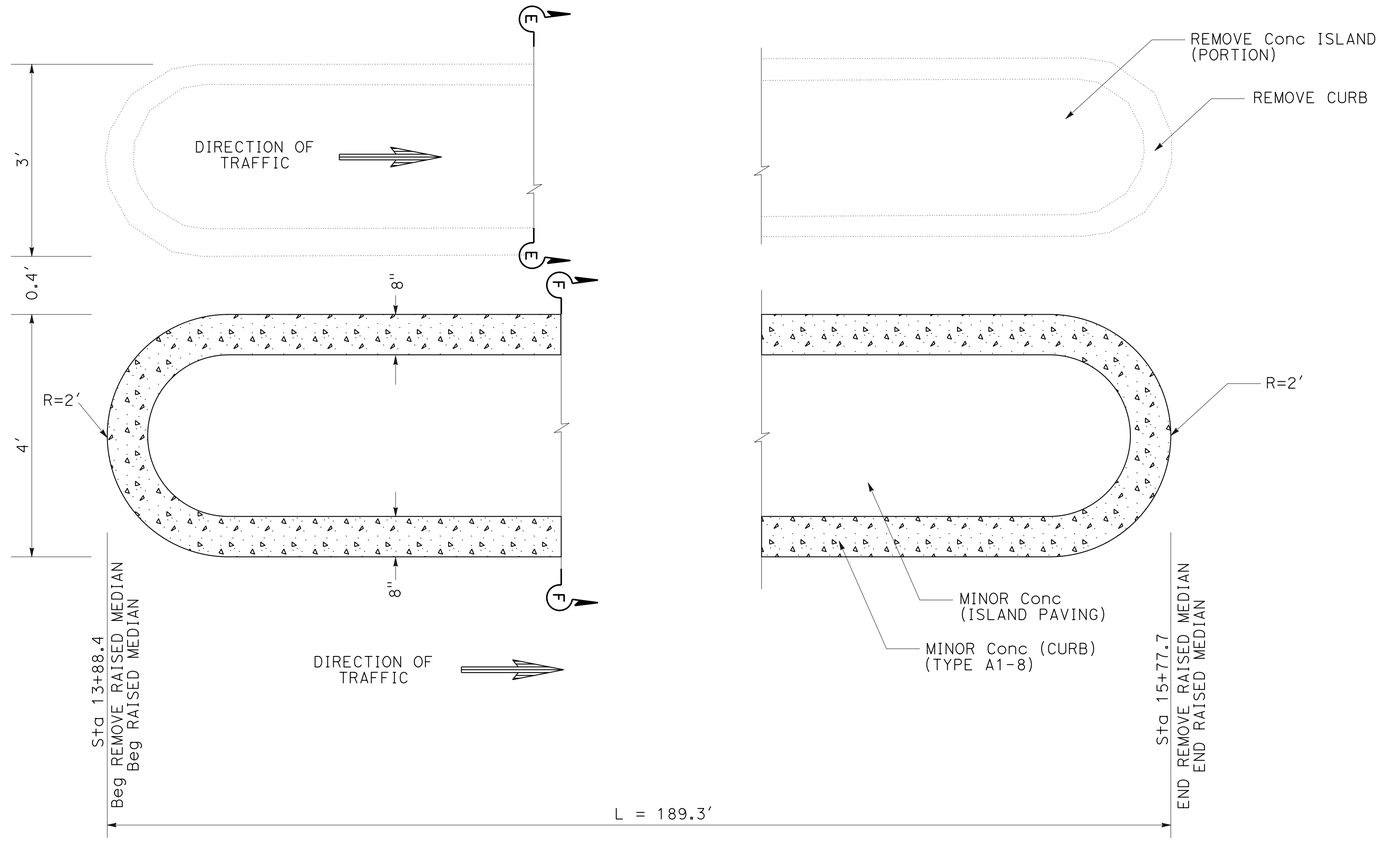
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	5	188

REGISTERED CIVIL ENGINEER — DATE 3/17/14

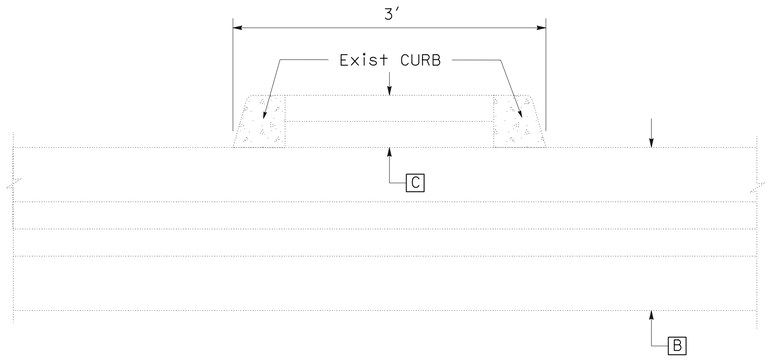
SULIASTI SUTANTO No. C77282 Exp 6/30/15 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

6-23-14
PLANS APPROVAL DATE

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



DETAIL 1

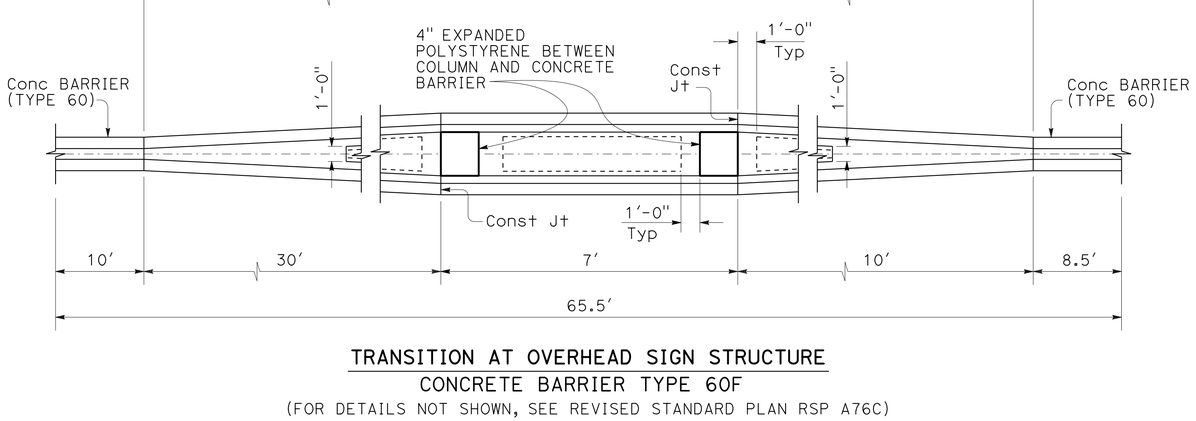


E-E SECTION

EXISTING STRUCTURAL SECTIONS

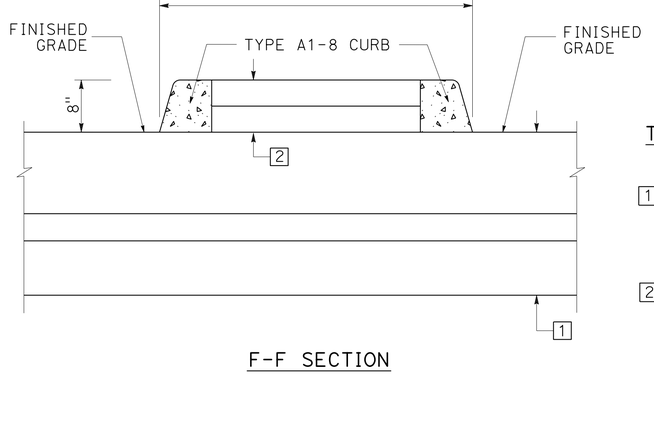
B
- 0.75′ PORTLAND CEMENT CONCRETE
- 0.33′ CLASS A CEMENT TREATED BASE
- 0.25′ CLASS 2 AGGREGATE BASE
- 0.67′ CLASS 2 AGGREGATE SUB-BASE

C
- 0.17′ TYPE B1 ASPHALT CONCRETE
- Var CLASS 2 AGGREGATE SUB-BASE



TRANSITION AT OVERHEAD SIGN STRUCTURE
CONCRETE BARRIER TYPE 60F
(FOR DETAILS NOT SHOWN, SEE REVISED STANDARD PLAN RSP A76C)

DETAIL 2



F-F SECTION

TYPICAL STRUCTURAL SECTIONS

1
- 1.05′ JPCP (JOINTED PLAIN CONCRETE PAVEMENT)
- 0.35′ LCB (LEAN CONCRETE BASE)
- 0.70′ CL3 AB (CLASS 3 AGGREGATE BASE)

2
- 0.33′ MINOR Conc (ISLAND PAVING)
- 0.34′ CL3 AB (CLASS 3 AGGREGATE BASE)

CONSTRUCTION DETAILS

NO SCALE

C-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN
FUNCTIONAL SUPERVISOR: MOHAMMED CHOWDHURY
CALCULATED-DESIGNED BY: SULIASTI SUTANTO
CHECKED BY: RICHARD KHAW
REVISED BY | DATE REVISED

LAST REVISION DATE PLOTTED => 18-AUG-2014
00-00-00 TIME PLOTTED => 10:33

BORDER LAST REVISED 7/2/2010
USERNAME => s128843
DGN FILE => 728850ga003.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 2124
PROJECT NUMBER & PHASE 07000211051

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	6	188

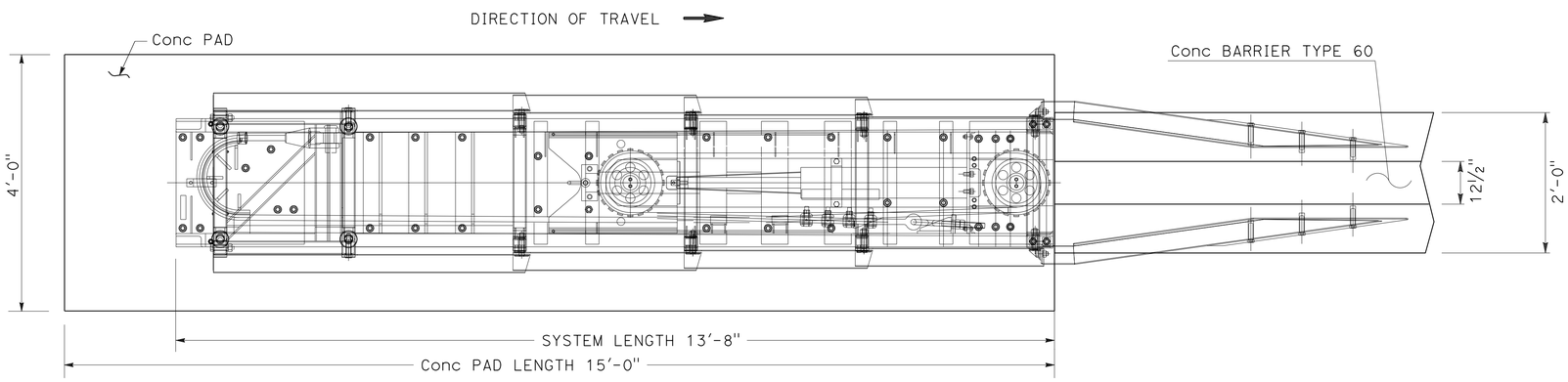
3/17/14
REGISTERED CIVIL ENGINEER DATE

SULIASTI SUTANTO No. C77282 Exp 6/30/15 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

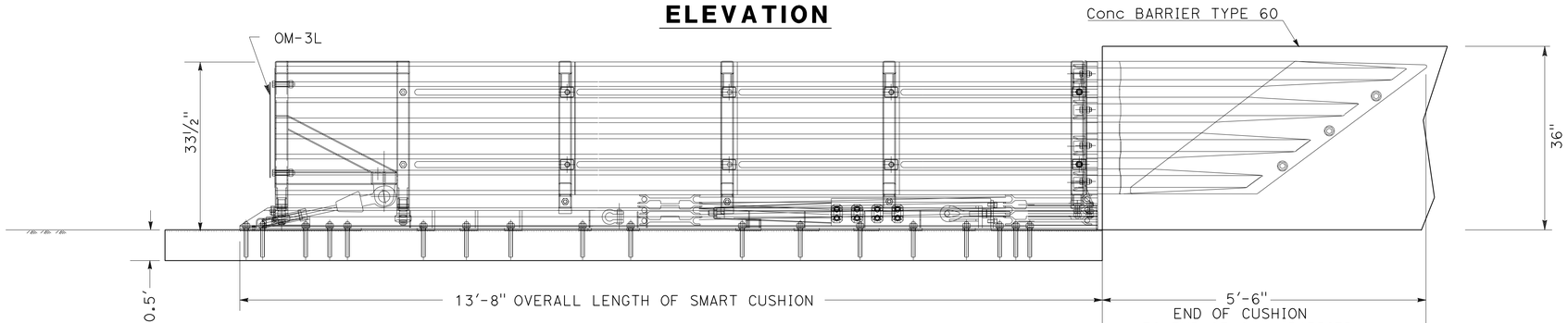
6-23-14
PLANS APPROVAL DATE

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

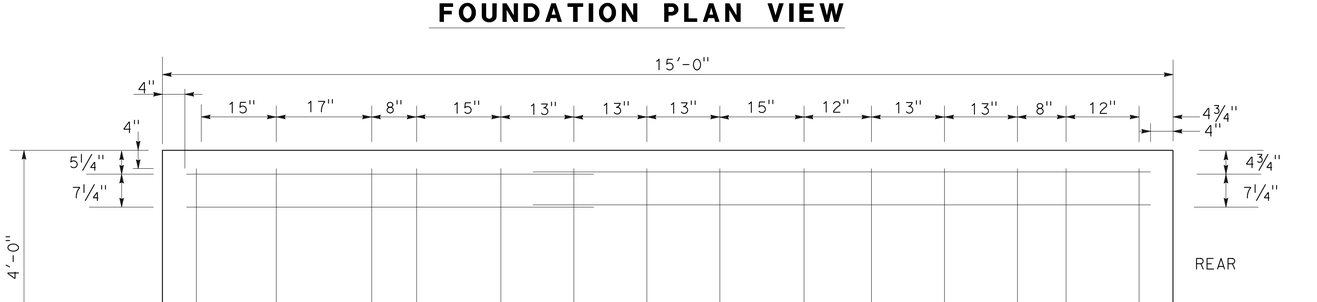
PLAN VIEW



ELEVATION



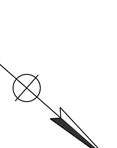
FOUNDATION PLAN VIEW

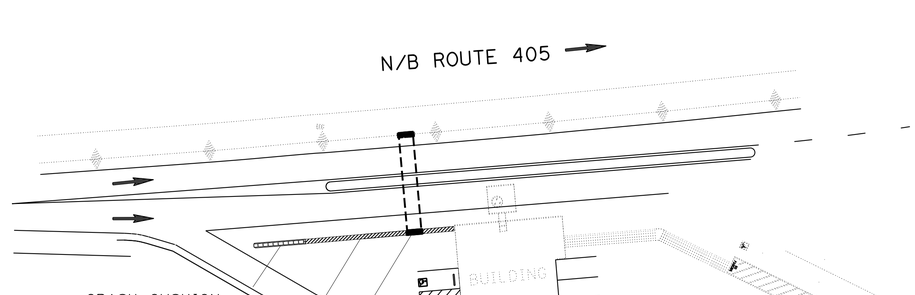


FOUNDATION ELEVATION VIEW

NOTES:

1. FOR SMART CUSHION MODEL SCI70GM DETAILS NOT SHOWN, REFER TO MANUFACTURERS.
2. MANUFACTURER'S WEBSITE http:\www.workareaprotection.com.
3. SPECIAL RUB RAIL NEEDS TO ORDER FROM MANUFACTURER.





CONSTRUCTION DETAILS
CRASH CUSHION
(SMART CUSHION SCI 70GM TL-2)

NO SCALE

C-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: MOHAMMED CHOWDHURY
CALCULATED-DESIGNED BY:
CHECKED BY:
REVISED BY / DATE REVISED
SULIASTI SUTANTO / RICHARD KHAW

LAST REVISION DATE PLOTTED => 01-AUG-2014
00-00-00 TIME PLOTTED => 13:46

BORDER LAST REVISED 7/2/2010
USERNAME => s124496
DGN FILE => 728850ga004.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 2124
PROJECT NUMBER & PHASE 07000210171

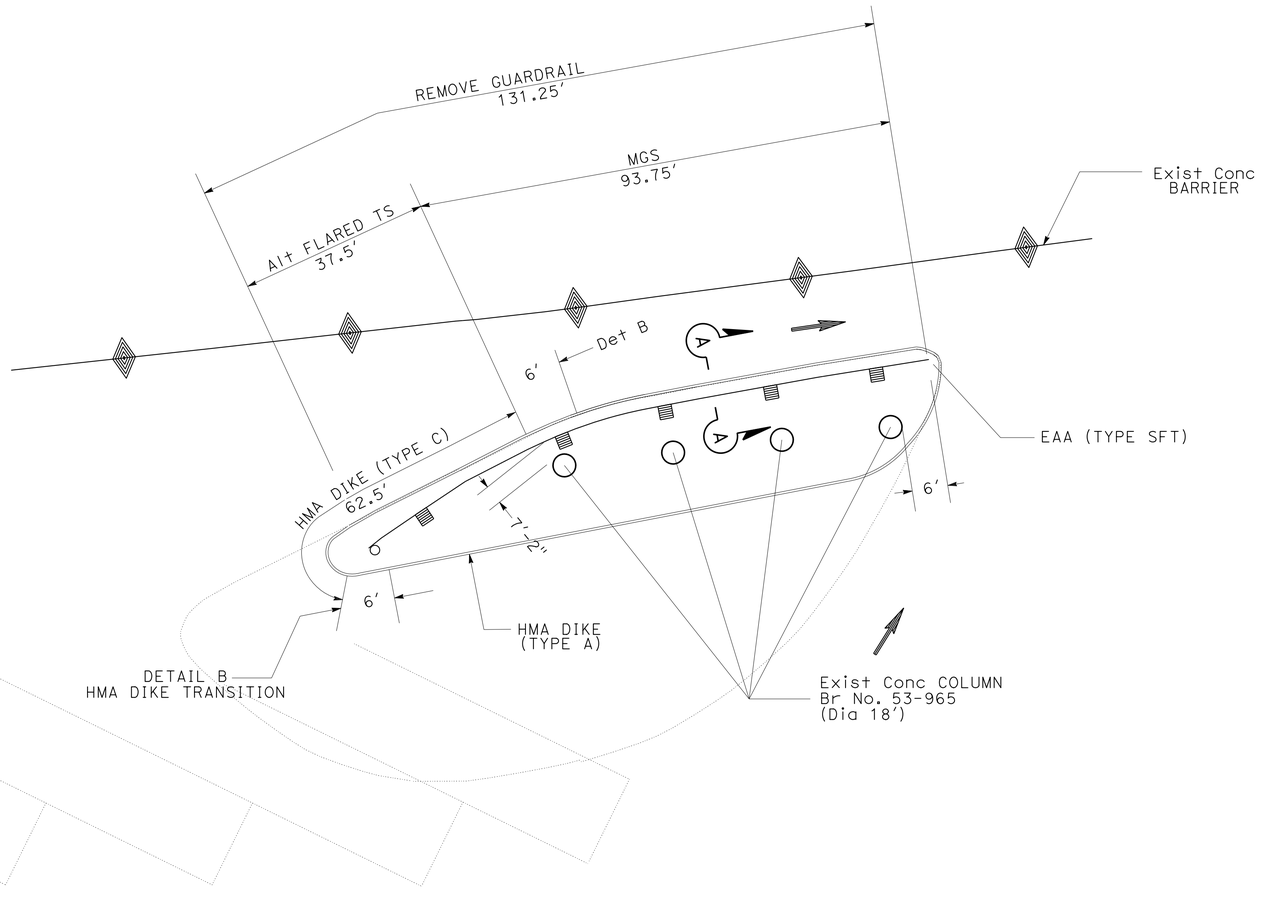
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	7	188

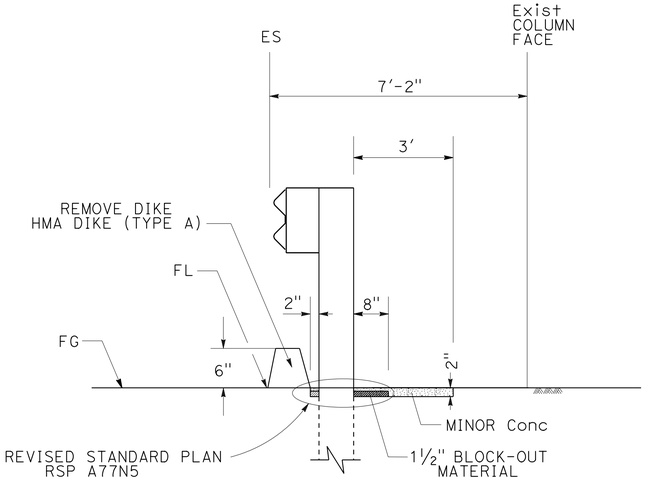
REGISTERED CIVIL ENGINEER — DATE 3/17/14

6-23-14
PLANS APPROVAL DATE

SULIASTI SUTANTO No. C77282 Exp 6/30/15 CIVIL — REGISTERED PROFESSIONAL ENGINEER — 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.

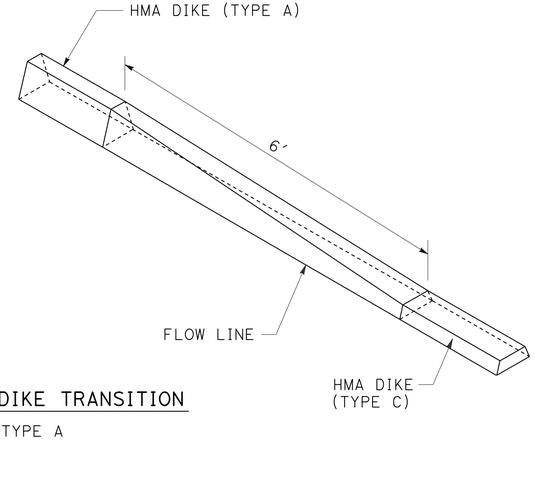




SECTION A-A

ABBREVIATIONS:

TS	TERMINAL SYSTEM
EAA	END ANCHOR ASSEMBLY



DETAIL B - HMA DIKE TRANSITION

TYPE C TO TYPE A

CONSTRUCTION DETAILS

NO SCALE

C-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC DESIGN
FUNCTIONAL SUPERVISOR: MOHAMMED CHOWDHURY
CALCULATED-DESIGNED BY: SULIASTI SUTANTO
CHECKED BY: RICHARD KHAW
REVISED BY
DATE REVISED

LAST REVISION | DATE PLOTTED => 31-JUL-2014 | 00-00-00 | TIME PLOTTED => 15:25

BORDER LAST REVISED 7/2/2010 | USERNAME => s128843 | DGN FILE => 728850ga005.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2124 | PROJECT NUMBER & PHASE 07000211051

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	8	188

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PLANS APPROVAL DATE

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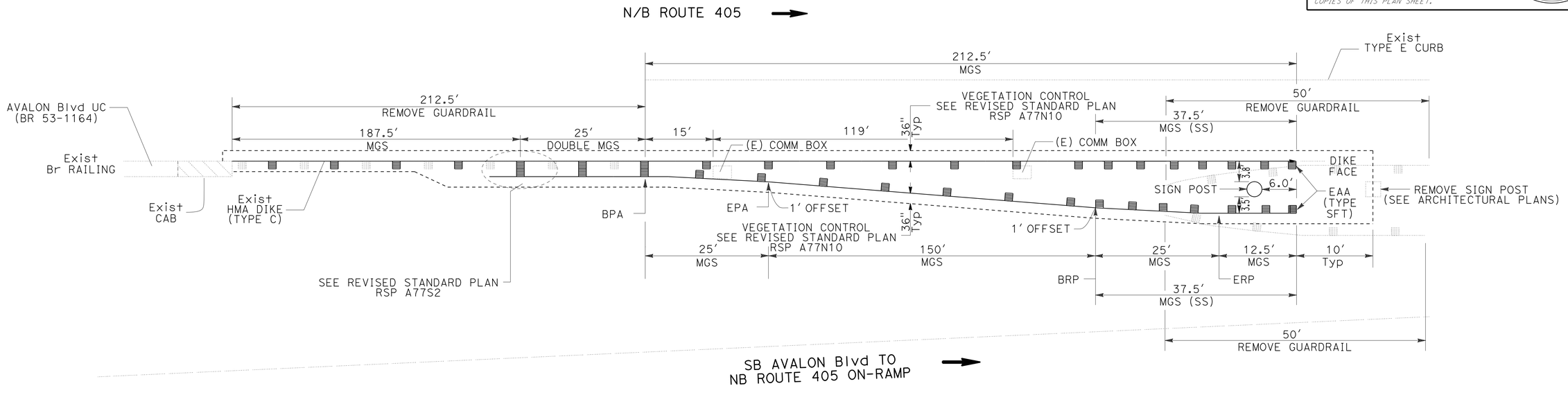
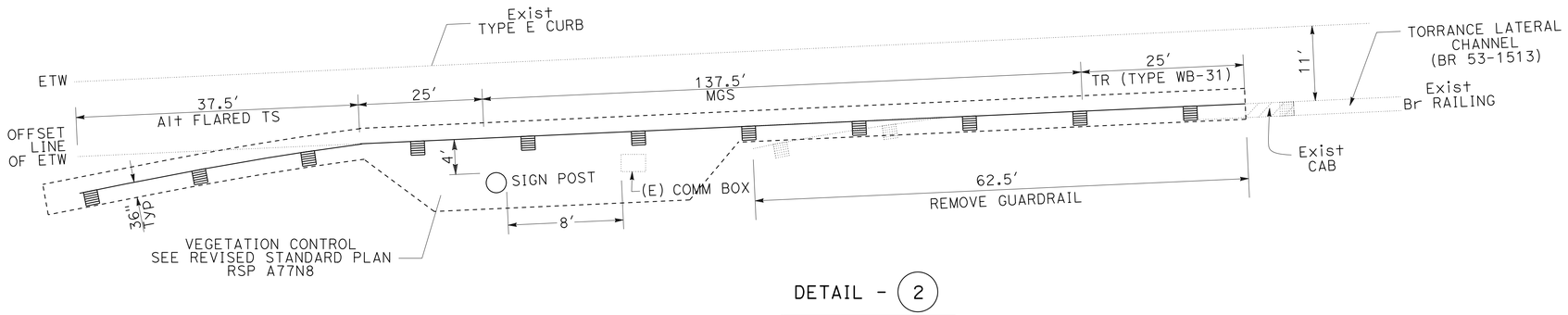


DETAIL - (1)

ABBREVIATIONS:

BPA	BEGIN PARABOLA
EPA	END PARABOLA
BRP	BEGIN REVERSE PARABOLA
ERP	END REVERSE PARABOLA
TR	TRANSITION RAILING (TYPE WB)
CAB	CONCRETE ANCHOR BLOCK
TS	TERMINAL SYSTEM
SS	STRENGTHENED SECTION (SEE REVISED STANDARD PLAN RSP A77R3)
EAA	END ANCHOR ASSEMBLY
Alt	ALTERNATIVE
COMM	COMMUNICATION PULL BOX



DETAIL - (2)

CONSTRUCTION DETAILS

NO SCALE

C-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC DESIGN
FUNCTIONAL SUPERVISOR: MOHAMMED CHOWDHURY
CALCULATED-DESIGNED BY: SULIASTI SUTANTO
CHECKED BY: RICHARD KHAW
REVISED BY
DATE REVISED

LAST REVISION: DATE PLOTTED => 31-JUL-2014
00-00-00 TIME PLOTTED => 15:25

BORDER LAST REVISED 7/2/2010
USERNAME => s128843
DGN FILE => 728850ga006.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 2124
PROJECT NUMBER & PHASE 07000211051

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	9	188

REGISTERED CIVIL ENGINEER — DATE 6/12/14

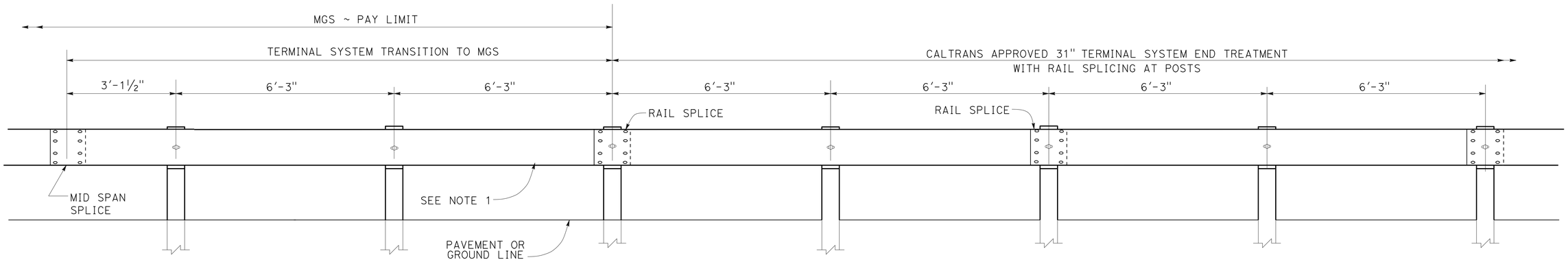
PLANS APPROVAL DATE 6-23-14

REGISTERED PROFESSIONAL ENGINEER
SULIASTI SUTANTO
No. C77282
Exp 6/30/15
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. USE 15′-7½" LENGTH RAIL.



TRANSITION DETAIL FOR 31" TERMINAL SYSTEM END TREATMENT WITH RAIL SPLICING AT POSTS TO MIDWEST GUARDRAIL SYSTEM

CONSTRUCTION DETAILS

NO SCALE

C-7

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN
FUNCTIONAL SUPERVISOR: MOHAMMED CHOWDHURY
CALCULATED-DESIGNED BY: SULIASTI SUTANTO
CHECKED BY: RICHARD KHAW
REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 31-JUL-2014
TIME PLOTTED => 15:25

BORDER LAST REVISED 7/2/2010
USERNAME => s128843
DGN FILE => 728850ga007.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 2124
PROJECT NUMBER & PHASE 07000211051

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	10	188

N. Celina Aviles
REGISTERED CIVIL ENGINEER — DATE

6-23-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — N. CELINA AVILES — No. 57106 — Exp. 12/31/15 — CIVIL — STATE OF CALIFORNIA

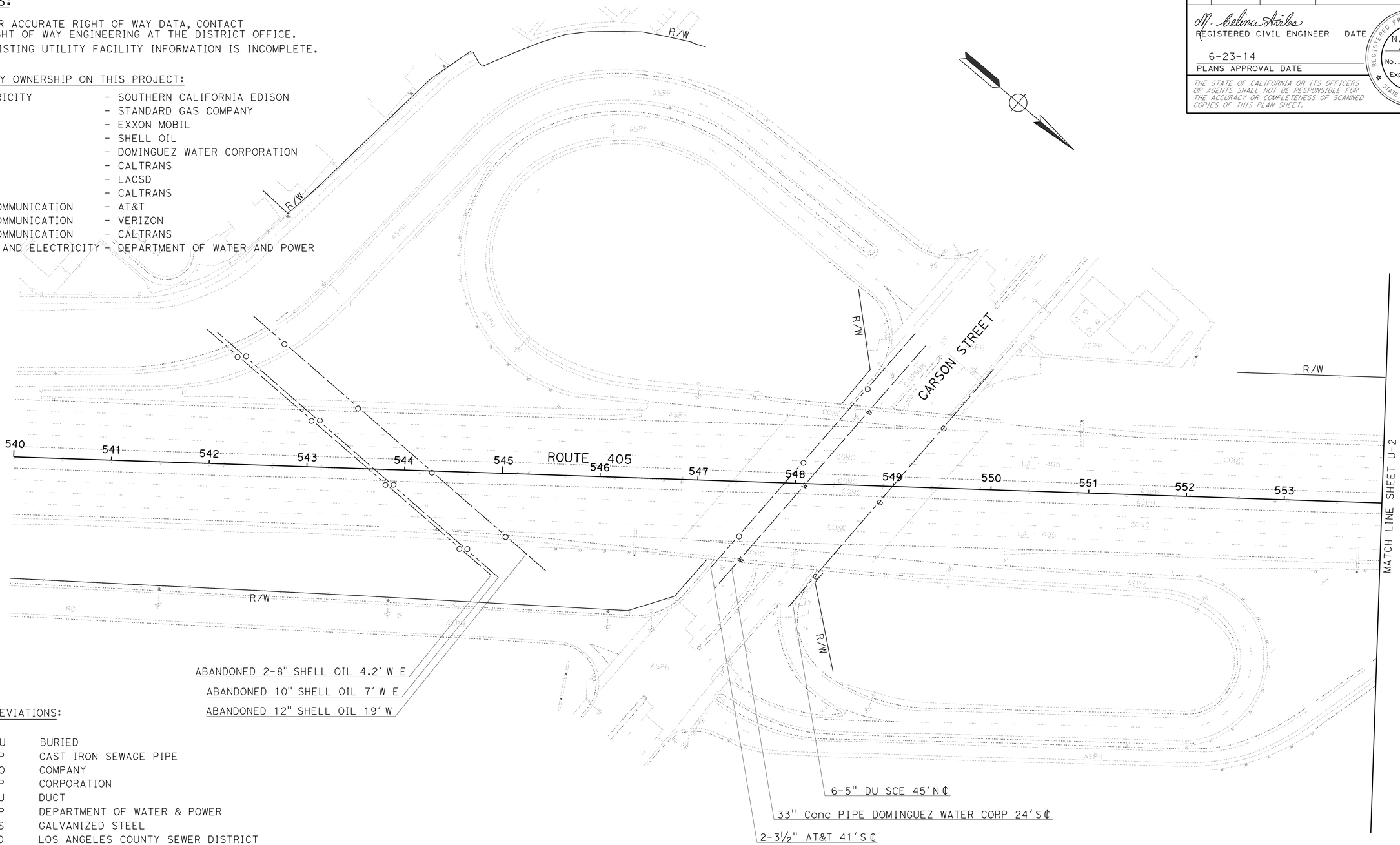
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. EXISTING UTILITY FACILITY INFORMATION IS INCOMPLETE.

UTILITY OWNERSHIP ON THIS PROJECT:

ELECTRICITY	- SOUTHERN CALIFORNIA EDISON
GAS	- STANDARD GAS COMPANY
OIL	- EXXON MOBIL
OIL	- SHELL OIL
WATER	- DOMINGUEZ WATER CORPORATION
WATER	- CALTRANS
SEWER	- LACSD
SEWER	- CALTRANS
TELECOMMUNICATION	- AT&T
TELECOMMUNICATION	- VERIZON
TELECOMMUNICATION	- CALTRANS
WATER AND ELECTRICITY	- DEPARTMENT OF WATER AND POWER



ABBREVIATIONS:

BU	BURIED
CI SP	CAST IRON SEWAGE PIPE
CO	COMPANY
CORP	CORPORATION
DU	DUCT
DWP	DEPARTMENT OF WATER & POWER
GS	GALVANIZED STEEL
LACSD	LOS ANGELES COUNTY SEWER DISTRICT
M	MAIN
PEM	POLYETHYLENE MAIN
SCE	SOUTHERN CALIFORNIA EDISON
SCG	SOUTHERN CALIFORNIA GAS
E ℄	EAST OF CENTER LINE
N ℄	NORTH OF CENTER LINE
S ℄	SOUTH OF CENTER LINE
E W	EAST OF WEST CURB
S N	SOUTH OF NORTH CURB

APPROVED FOR UTILITY INFORMATION ONLY

UTILITY PLAN

SCALE: 1" = 50'

U-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — **DESIGN A**

FUNCTIONAL SUPERVISOR: JERREL B. KAM

CALCULATED-DESIGNED BY: SULIASTI SUTANTO

CHECKED BY: STEVEN D. TRIEU

REVISED BY	DATE REVISED

LAST REVISION | DATE PLOTTED => 31-JUL-2014
00-00-00 | TIME PLOTTED => 15:25

BORDER LAST REVISED 7/2/2010

USERNAME => s128843
DGN FILE => 728850ka001.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 2124

PROJECT NUMBER & PHASE 07000211051

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	11	188

N. Celina Aviles 3/17/14
REGISTERED CIVIL ENGINEER DATE

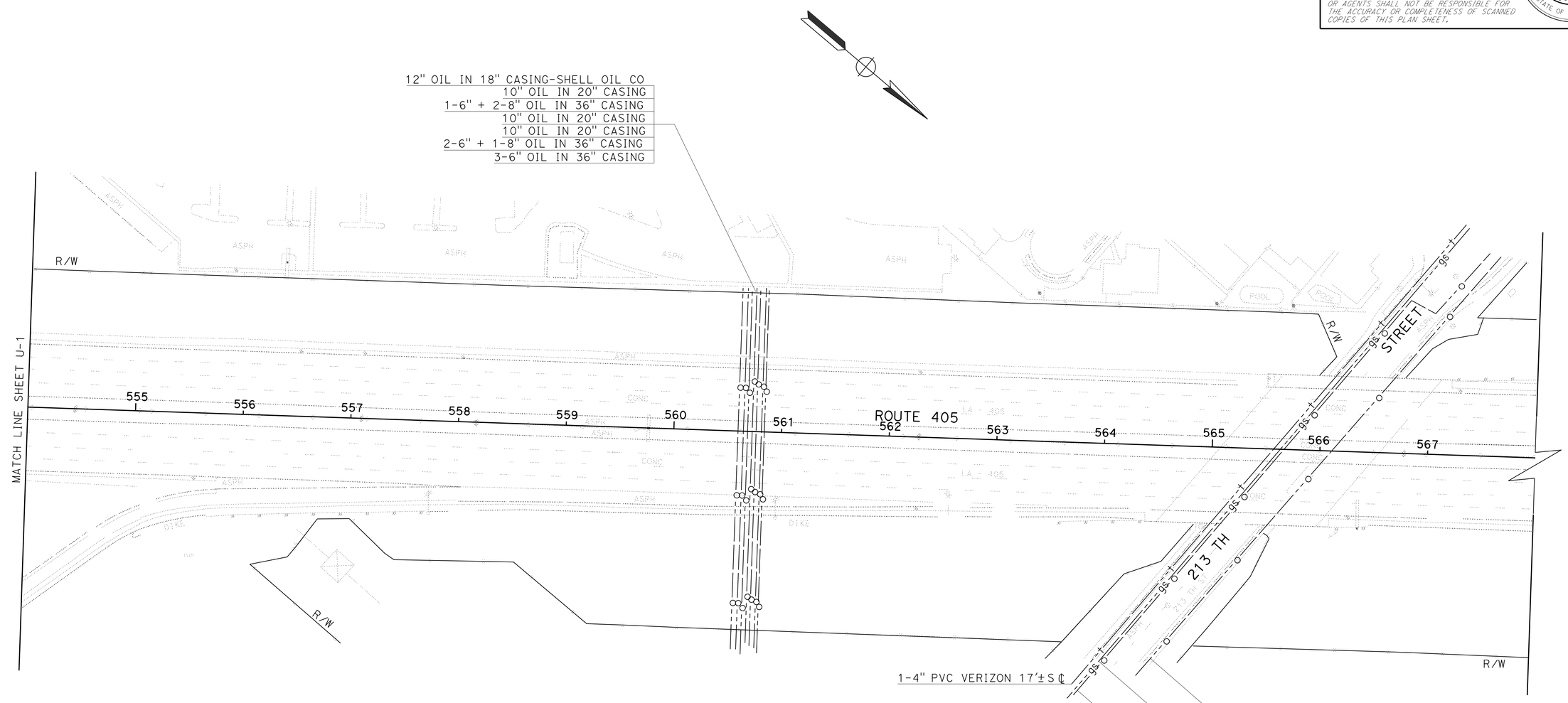
6-23-14
PLANS APPROVAL DATE

N. CELINA AVILES No. 57106 Exp. 12/31/15 CIVIL — REGISTERED PROFESSIONAL ENGINEER — 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. EXISTING UTILITY FACILITY INFORMATION IS INCOMPLETE.



APPROVED FOR UTILITY INFORMATION ONLY

UTILITY PLAN

SCALE: 1" = 50'

U-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN A
FUNCTIONAL SUPERVISOR: JERREL B. KAM
CALCULATED-DESIGNED BY: SULIASTI SUTANTO
CHECKED BY: STEVEN D. TRIEU
REVISED BY | DATE REVISED

LAST REVISION | DATE PLOTTED => 31-JUL-2014
00-00-00 | TIME PLOTTED => 15:25

BORDER LAST REVISED 7/2/2010 | USERNAME => s128843 | DGN FILE => 728850ka002.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2124 | PROJECT NUMBER & PHASE 07000211051

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. EXISTING UTILITY FACILITY INFORMATION IS INCOMPLETE.

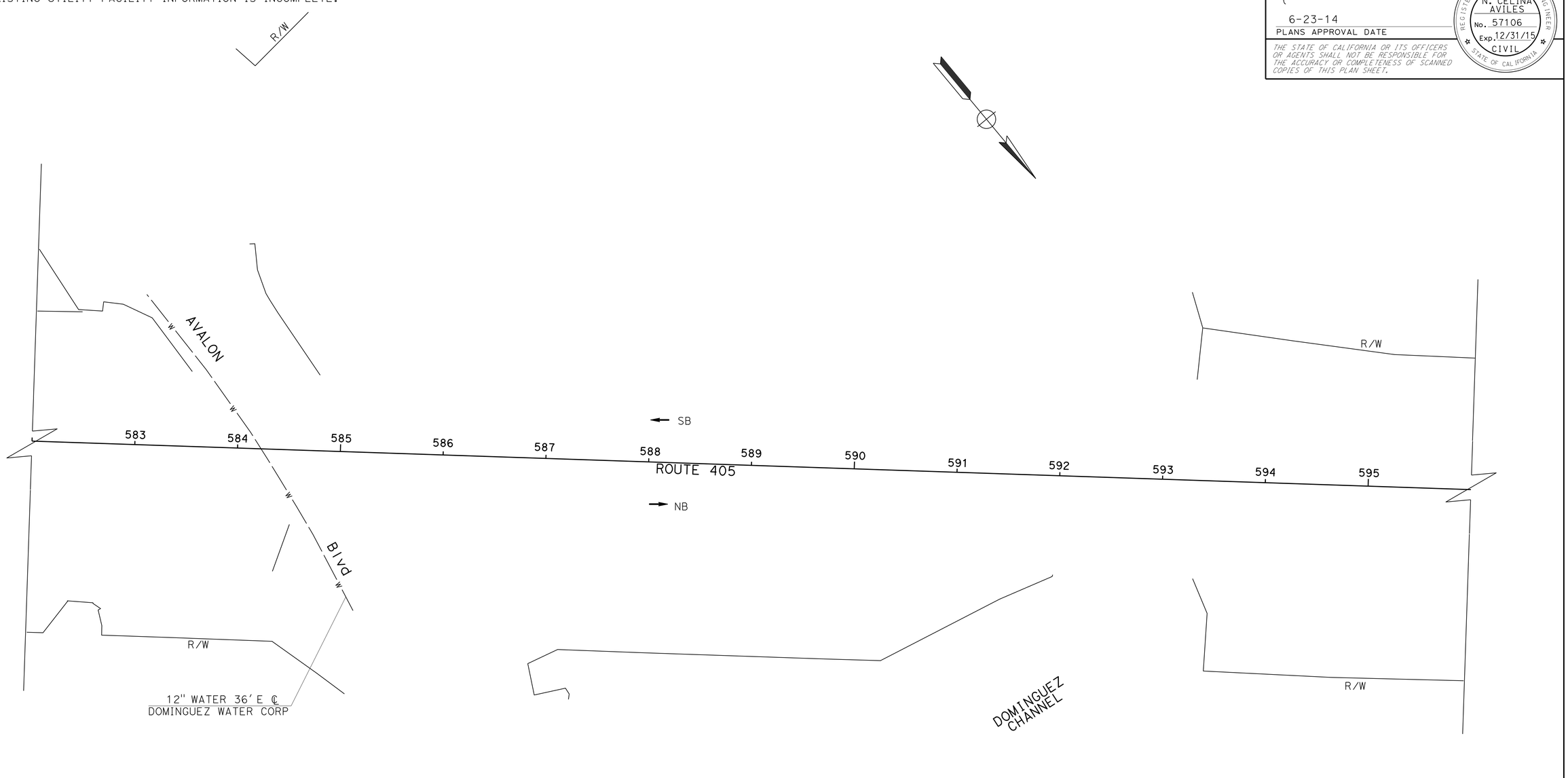
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	12	188

N. Celina Aviles 3/17/14
REGISTERED CIVIL ENGINEER DATE

6-23-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
N. CELINA AVILES
No. 57106
Exp. 12/31/15
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.



UTILITY PLAN

SCALE: 1" = 50'

U-3

APPROVED FOR UTILITY INFORMATION ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DESIGN A

FUNCTIONAL SUPERVISOR: JERREL B. KAM
CALCULATED-DESIGNED BY: SULIASTI SUTANTO
CHECKED BY: STEVEN D. TRIEU
REVISED BY
DATE REVISED

LAST REVISION | DATE PLOTTED => 31-JUL-2014 | 00-00-00 | TIME PLOTTED => 15:26

BORDER LAST REVISED 7/2/2010
USERNAME => s128843
DGN FILE => 728850ka003.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 2124
PROJECT NUMBER & PHASE 07000211051

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	13	188

N. Celina Aviles 3/17/14
REGISTERED CIVIL ENGINEER DATE

6-23-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
N. CELINA AVILES
No. 57106
Exp. 12/31/15
CIVIL
STATE OF CALIFORNIA

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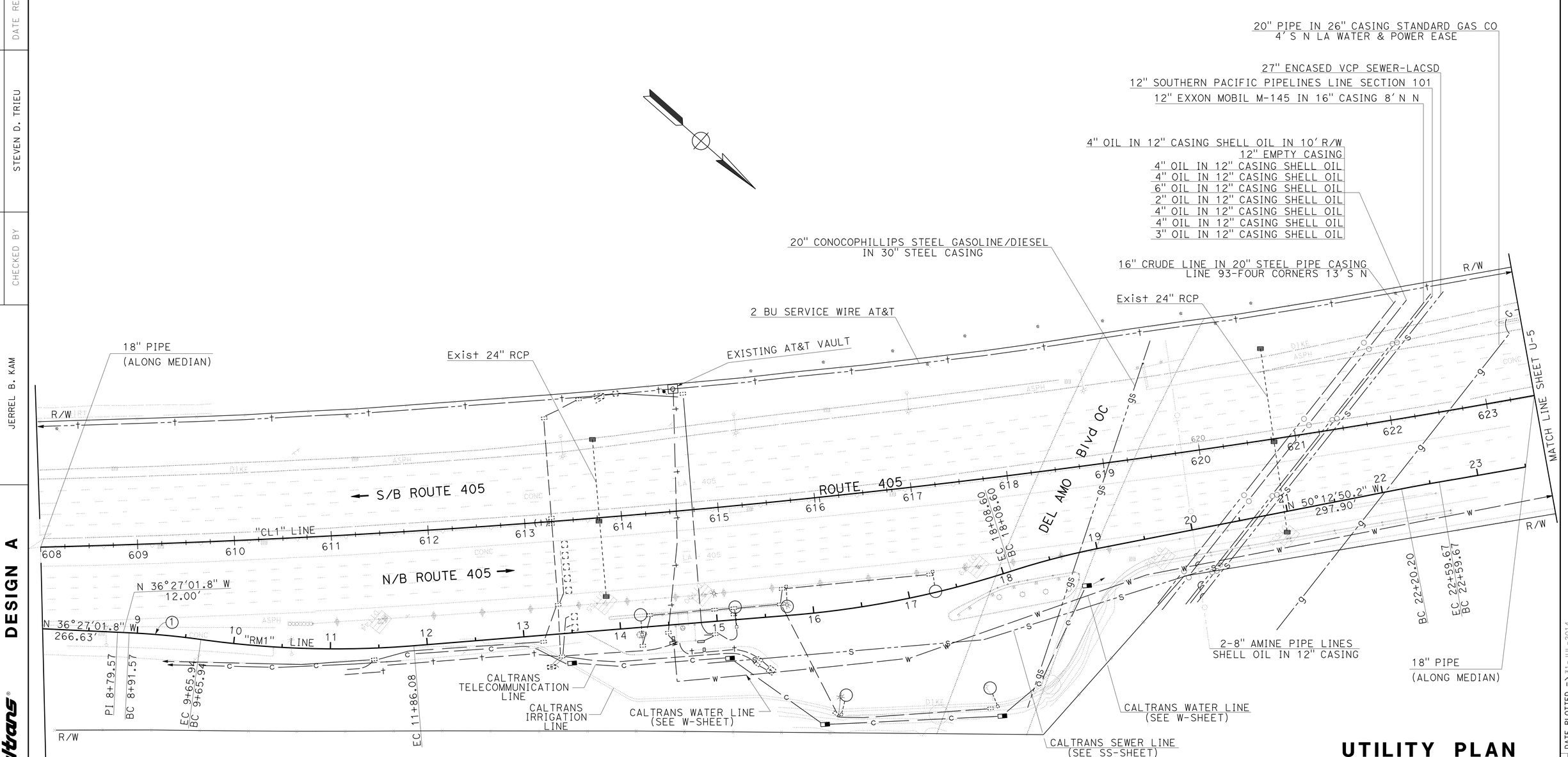

UTILITY PLAN

SCALE: 1" = 50'

U-4

APPROVED FOR UTILITY WORK ONLY

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: SULIASTI SUTANTO
CHECKED BY: STEVEN D. TRIEU
FUNCTIONAL SUPERVISOR: JERREL B. KAM

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DESIGN A

LAST REVISION: DATE PLOTTED => 31-JUL-2014
00-00-00 TIME PLOTTED => 15:26

BORDER LAST REVISED 7/2/2010

USERNAME => s128843
DGN FILE => 728850ka004.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 2124

PROJECT NUMBER & PHASE 07000211051

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	14	188

N. Celina Aviles 3/17/14
REGISTERED CIVIL ENGINEER DATE

6-23-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
N. CELINA AVILES
No. 57106
Exp. 12/31/15
CIVIL
STATE OF CALIFORNIA

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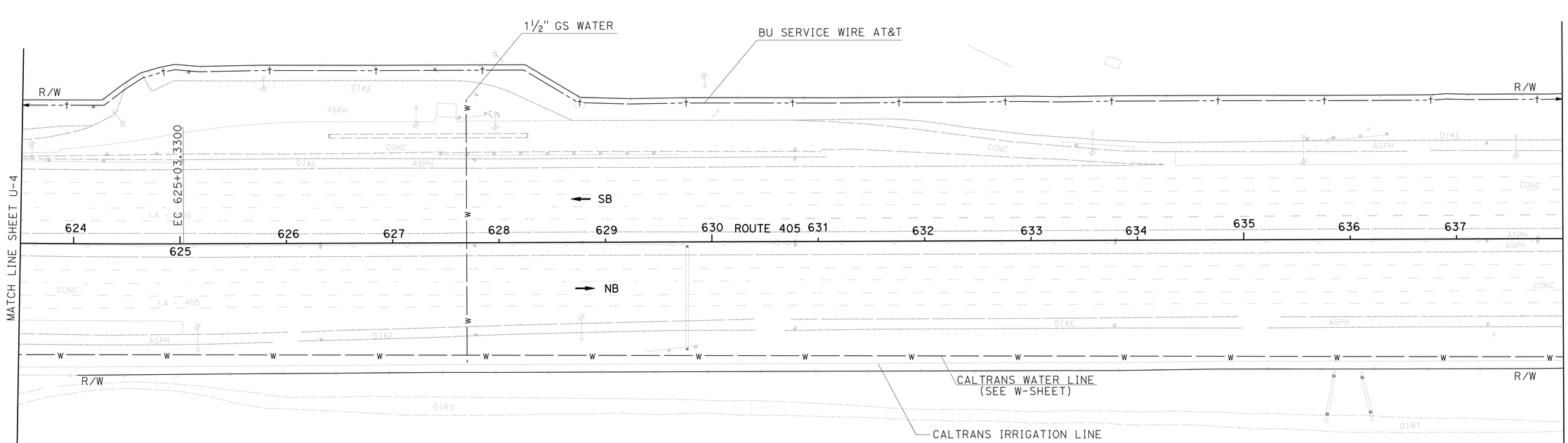

UTILITY PLAN

SCALE: 1" = 50'

U-5

APPROVED FOR UTILITY WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN A

FUNCTIONAL SUPERVISOR: JERREL B. KAM

CALCULATED-DESIGNED BY: SULIASTI SUTANTO
CHECKED BY: STEVEN D. TRIEU

REVISED BY | DATE REVISED

LAST REVISION | DATE PLOTTED => 31-JUL-2014
00-00-00 | TIME PLOTTED => 15:26

BORDER LAST REVISED 7/2/2010

USERNAME => s128843
DGN FILE => 728850ka005.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 2124

PROJECT NUMBER & PHASE 07000211051

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	15	188

M. Celina Aviles 3/17/14
REGISTERED CIVIL ENGINEER DATE

6-23-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
N. CELINA AVILES
No. 57106
Exp. 12/31/15
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:

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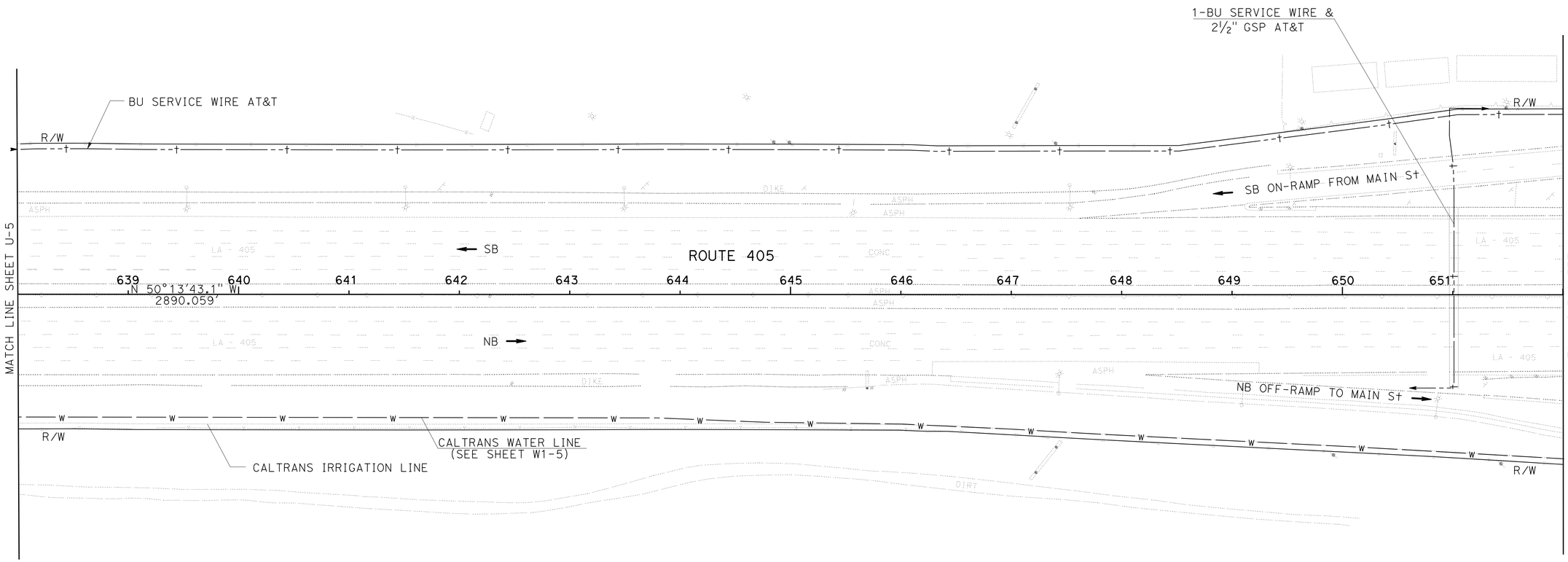
2. EXISTING UTILITY FACILITY INFORMATION IS INCOMPLETE.



UTILITY PLAN

SCALE: 1" = 50'

U-6

APPROVED FOR UTILITY WORK ONLY

CALCULATED-DESIGNED BY: SULIASTI SUTANTO
CHECKED BY: STEVEN D. TRIEU
FUNCTIONAL SUPERVISOR: JERREL B. KAM
REVISED BY | DATE REVISED

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DESIGN A

LAST REVISION 00-00-00
DATE PLOTTED => 31-JUL-2014
TIME PLOTTED => 15:26

BORDER LAST REVISED 7/2/2010
USERNAME => s128843
DGN FILE => 728850ka006.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 2124
PROJECT NUMBER & PHASE 07000211051

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	16	188

N. Celina Aviles 3/17/14
REGISTERED CIVIL ENGINEER DATE

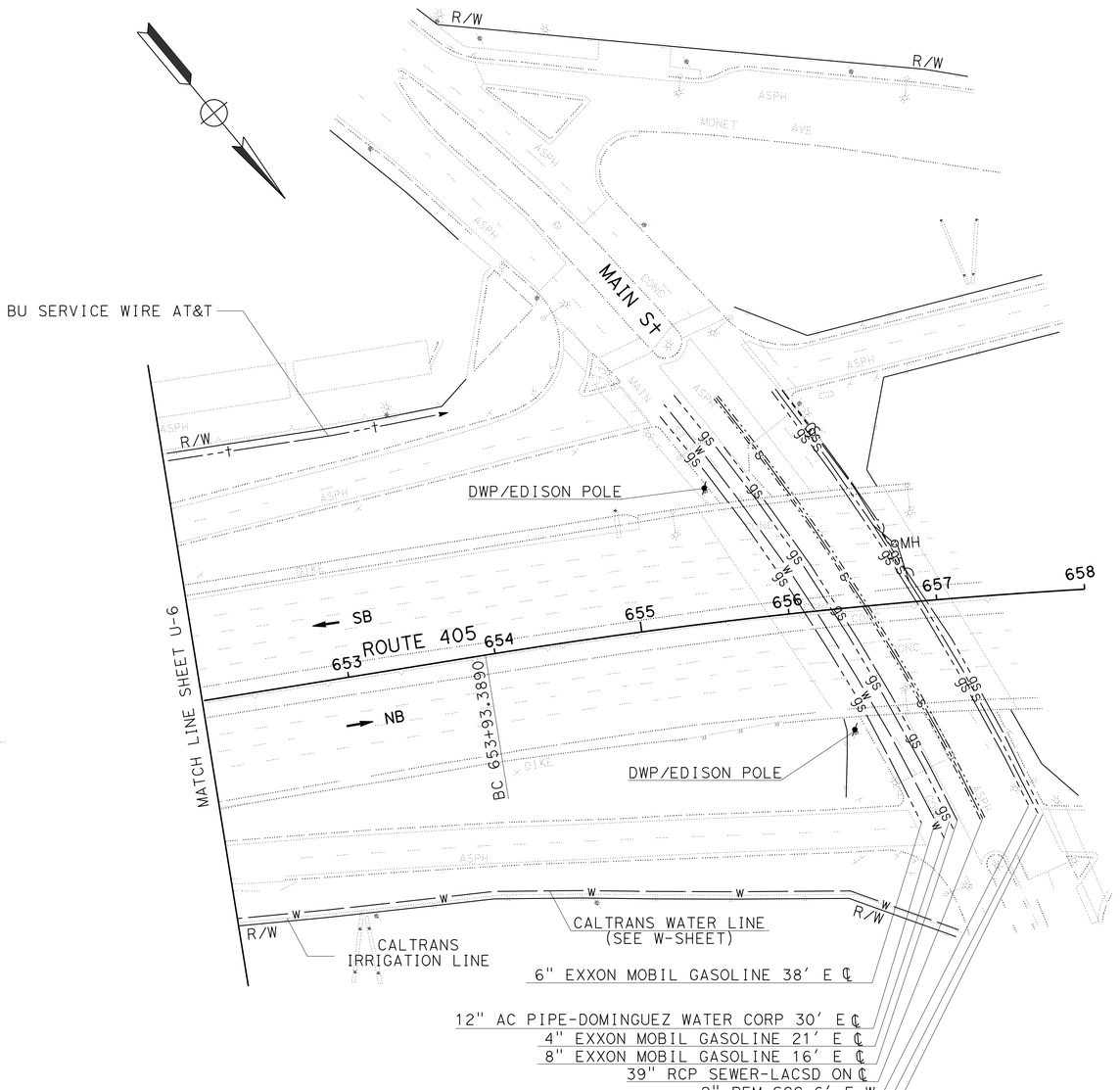
6-23-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
N. CELINA AVILES
No. 57106
Exp. 12/31/15
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. EXISTING UTILITY FACILITY INFORMATION IS INCOMPLETE.



APPROVED FOR UTILITY INFORMATION ONLY

UTILITY PLAN

SCALE: 1" = 50'

U-7

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN A
FUNCTIONAL SUPERVISOR: JERREL B. KAM
CALCULATED-DESIGNED BY: SULIASTI SUTANTO
CHECKED BY: STEVEN D. TRIEU
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 31-JUL-2014
00-00-00 TIME PLOTTED => 15:26

BORDER LAST REVISED 7/2/2010 | USERNAME => s128843 | DGN FILE => 728850ka007.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2124 | PROJECT NUMBER & PHASE 07000211051

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	17	188

REGISTERED CIVIL ENGINEER — DATE 3/17/14

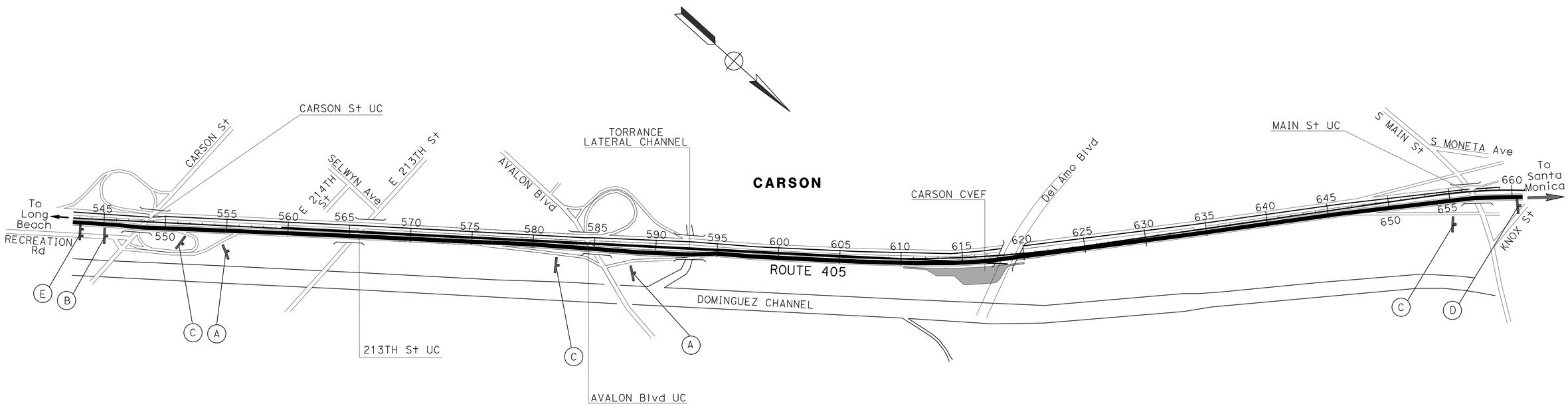
SULIASTI SUTANTO No. C77282 Exp 6/30/13 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

6-23-14
PLANS APPROVAL DATE

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

NOTES:

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



STATIONARY MOUNTED CONSTRUCTION AREA SIGNS					
SIGN NUMBER	SIGN CODE	PANEL SIZE	SIGN MESSAGE	NUMBER OF POSTS AND SIZE	NUMBER OF SIGNS
(A)	W20-1	36" x 36"	ROAD WORK AHEAD	1 - 4" x 4"	2
(B)	W20-1	48" x 48"	ROAD WORK AHEAD	1 - 6" x 6"	1
(C)	G20-2	36" x 18"	END ROAD WORK	1 - 4" x 4"	3
(D)	G20-2	48" x 24"	END ROAD WORK	1 - 4" x 6"	1
(E)	C40A (CA)	144" x 60"	TRAFFIC FINES DOUBLED IN WORK ZONES	2 - 6" x 8"	1

CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

APPROVED FOR CONSTRUCTION AREA SIGNS WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: MOHAMMED CHOWDHURY
CALCULATED-DESIGNED BY: MOSTAFA ARYA
CHECKED BY: SULIASTI SUTANTO
REVISED BY
DATE REVISED

LAST REVISION: DATE PLOTTED => 31-JUL-2014
00-00-00 TIME PLOTTED => 15:26

BORDER LAST REVISED 7/2/2010
USERNAME => s128843
DGN FILE => 7288501a001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 2124
PROJECT NUMBER & PHASE 07000211051

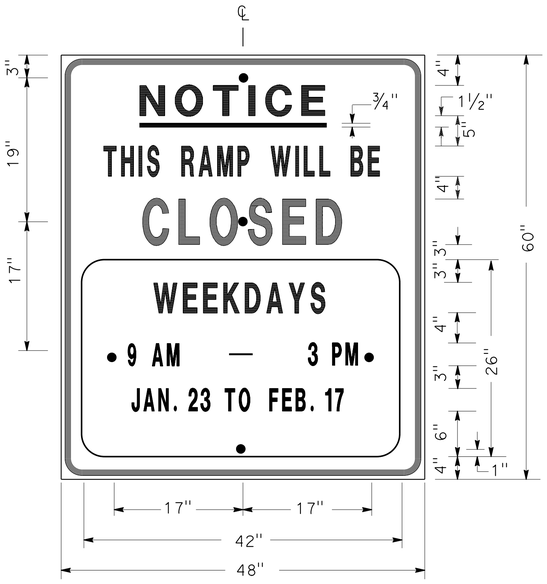
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	18	188

Denis Katayama 2-6-14
REGISTERED CIVIL ENGINEER DATE

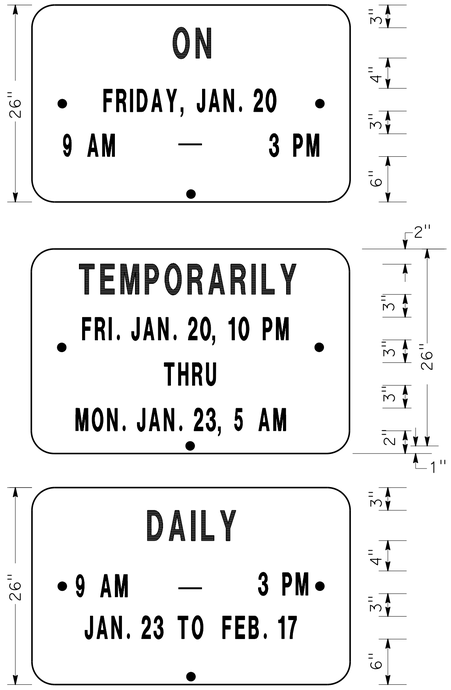
6-23-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — D.S KATAYAMA No. C50648 Exp. 9-30-15 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.



SIGN SP-1



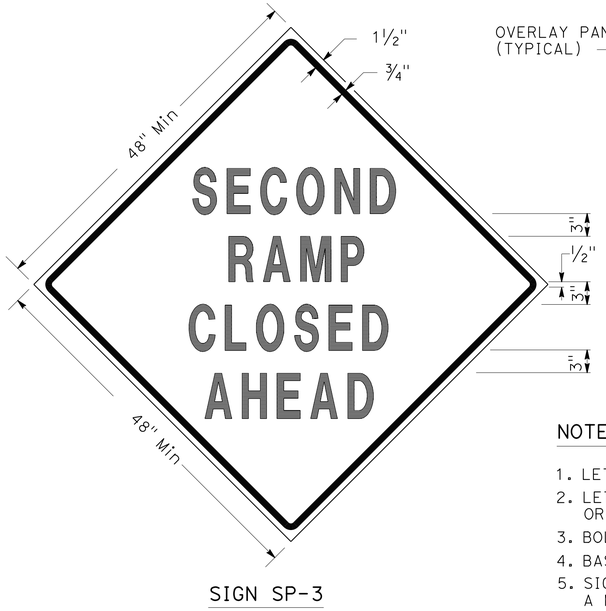
ALTERNATE OVERLAY PANELS (TYPICAL)

NOTES: SIGN SP-1

1. LETTERS AND BORDER SHALL BE BLACK ON REFLECTORIZED ORANGE BACKGROUND.
2. BOLT HOLES SHALL BE ⅜" DIAMETER.
3. BASE MATERIAL SHALL BE ALUMINUM (MINIMUM 0.06").
4. SIGNS SHALL BE MOUNTED WITH BOTTOMS OF SIGNS A MINIMUM OF 7' ABOVE GROUND.

SIZE	BORDER WIDTH	MARGIN WIDTH	LETTER SIZE					CORNER RADIUS
			LINE 1	LINE 2*	LINE 3	LINE 4	LINE 5, 6, & 7*	
48"x60"	1¼"	¾"	4E	4D	6E	4D		3"
42"x26"	OVERLAY						3D	1½"
* CONDENSED SPACING IF NECESSARY								

SPECIAL ADVANCE NOTICE PUBLICITY SIGN



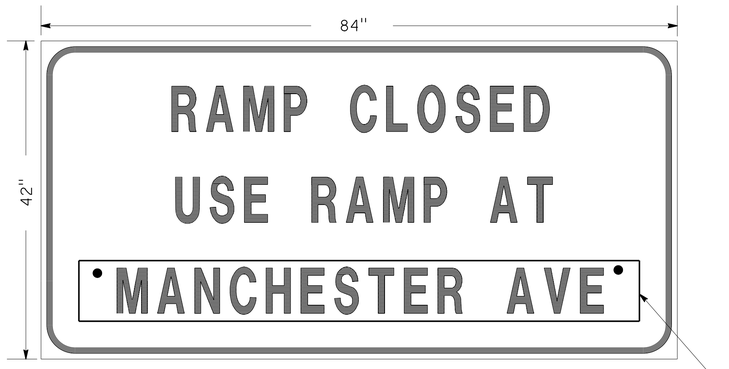
SIGN SP-3

SIGN SP-5

NOTES: SIGNS SP-3 & SP-5

1. LETTERS - 6" SERIES D.
2. LETTERS AND BORDER SHALL BE BLACK ON REFLECTORIZED ORANGE BACKGROUND.
3. BOLT HOLES SHALL BE ⅜" DIAMETER.
4. BASE MATERIAL SHALL BE ALUMINUM (MINIMUM 0.06").
5. SIGNS SHALL BE MOUNTED WITH BOTTOMS OF SIGNS A MINIMUM OF 7' ABOVE GROUND.
6. SIGN SP-5 SHALL BE USED IF THE OFF-RAMP TO BE CLOSED FOLLOWS A FREEWAY OFF-CONNECTOR.

SPECIAL SIGNS FOR EXIT RAMP CLOSURES



SIGN SP-4

OVERLAY PANEL (TYPICAL)

NOTES: SIGN SP-4

1. LETTERS - 6" SERIES C.
2. LETTERS AND BORDER SHALL BE BLACK ON REFLECTORIZED WHITE BACKGROUND.
3. BOLT HOLES SHALL BE ⅜" DIAMETER.
4. BASE MATERIAL SHALL BE ALUMINUM (MINIMUM 0.06").
5. SIGNS SHALL BE PLACED AT RAMP ENTRANCES IN ADDITION TO SIGNS POSTED IN ACCORDANCE WITH REVISED STANDARD PLAN RSP T14.

SPECIAL SIGN FOR ENTRANCE RAMP CLOSURES

TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM FOR RAMP CLOSURES, DETOUR SIGNS, AND MISCELLANEOUS DETAILS
SHEET 1 OF 2

NO SCALE

THD-1

CALCULATED-DESIGNED BY			
CHECKED BY	JC	1/14	
FUNCTIONAL SUPERVISOR	REVISED BY	DATE REVISED	
JOHN YANG	ALBERT K YU		
	JOCELYN C CHIANG		

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DTM
Caltrans®

LAST REVISION DATE PLOTTED => 31-JUL-2014
00-00-00 TIME PLOTTED => 15:26

BORDER LAST REVISED 7/2/2010 | USERNAME => s129395 | DGN FILE => 728850me001 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1882 | PROJECT NUMBER & PHASE 07000211051

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	19	188

Denis Katayama 2-6-14
REGISTERED CIVIL ENGINEER DATE

6-23-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
D.S. KATAYAMA
No. C50648
Exp. 9-30-15
CIVIL
STATE OF CALIFORNIA

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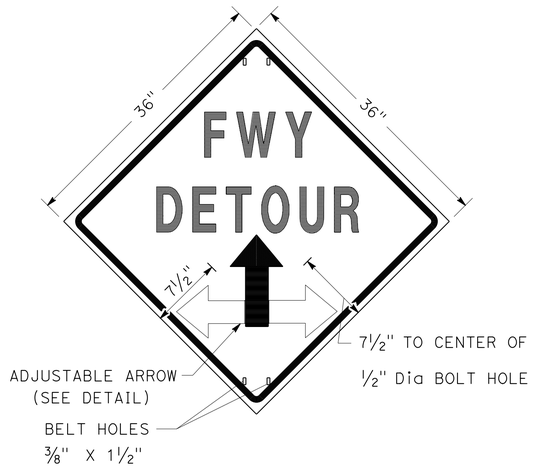
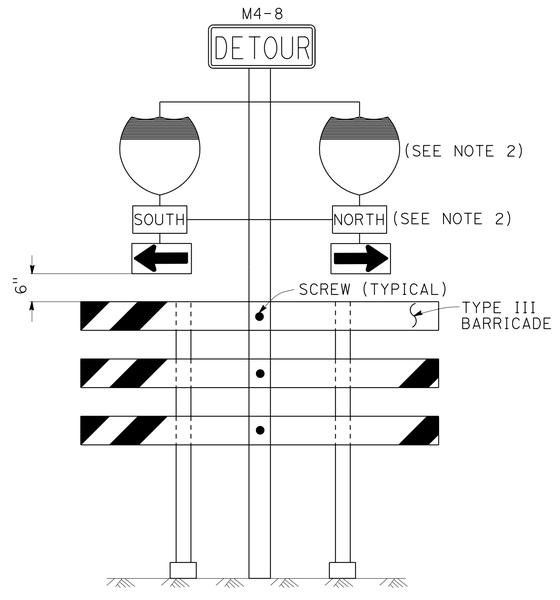
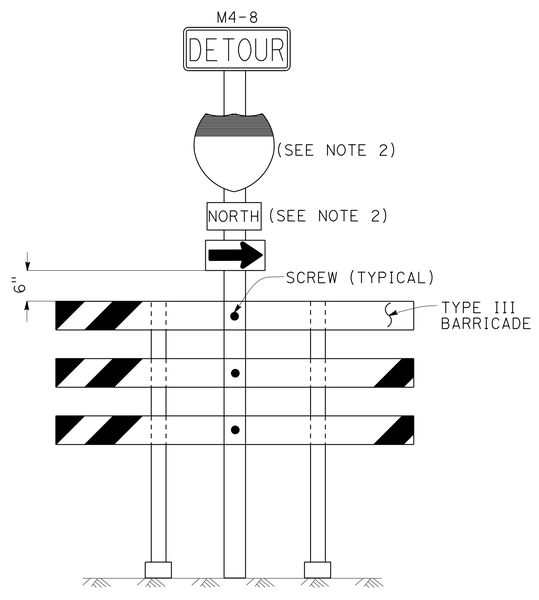


SIGN SP-2



SIGN SP-6 (SEE NOTE 1)



SIGN SP-7 (SEE NOTE 1)

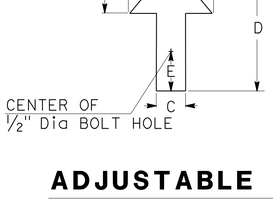
NOTES: SIGN SP-2

1. LETTERS - 6" SERIES E.
2. LETTERS, BORDER AND ARROW - BLACK ON RETROREFLECTORIZED ORANGE BACKGROUND.
3. BASE MATERIAL FOR SIGNS AND ARROWS SHALL BE ALUMINUM (MINIMUM 0.06").
4. BELTS (LUGGAGE STRAPS) SHALL BE 1" WIDE BY 48" LONG, MADE OF COTTON OR POLYPROPYLENE WEB MATERIAL.
5. SIGNS SHALL BE MOUNTED WITH BOTTOMS OF SIGNS A MINIMUM OF 7' ABOVE GROUND EXCEPT AS OTHERWISE SHOWN ON OTHER TRAFFIC HANDLING DETAILS PLANS.

NOTES: SIGNS SP-6 & SP-7

1. IN LIEU OF PLACING SIGNS ON TYPE III BARRICADES, SIGNS, INCLUDING POSTS, MAY BE PLACED INTO THE GROUND OR FASTENED ONTO ELECTROLIERS.
2. USE APPROPRIATE ROUTE MARKER [G26-2(CA), G27-2(CA), G28-2(CA)] AND CARDINAL DIRECTION [NORTH (M3-1), SOUTH (M3-3), EAST (M3-2), WEST (M3-4)].

SPECIAL PORTABLE FREEWAY DETOUR SIGNS



DIMENSIONS				
A	B	C	D	E
6"	3"	2"	8"	1"

ADJUSTABLE ARROW DETAIL

ABBREVIATION

(CA) CALIFORNIA CODE

TRAFFIC HANDLING DETAILS

TRAFFIC CONTROL SYSTEM FOR RAMP CLOSURES, DETOUR SIGNS, AND MISCELLANEOUS DETAILS

SHEET 2 OF 2

NO SCALE

THD-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DTM
FUNCTIONAL SUPERVISOR: JOHN YANG
CALCULATED-DESIGNED BY: ALBERT K YU
CHECKED BY: JOCELYN C CHIANG
REVISED BY: JC
DATE REVISED: 3/12

LAST REVISION: DATE PLOTTED => 31-JUL-2014
00-00-00 TIME PLOTTED => 15:26

BORDER LAST REVISED 7/2/2010 | USERNAME => s129395 | DGN FILE => 728850me002 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1882 | PROJECT NUMBER & PHASE 07000211051

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	20	188

Denis Katayama 2-6-14
REGISTERED CIVIL ENGINEER DATE

6-23-14
PLANS APPROVAL DATE

D.S. KATAYAMA No. C50648 Exp. 9-30-15 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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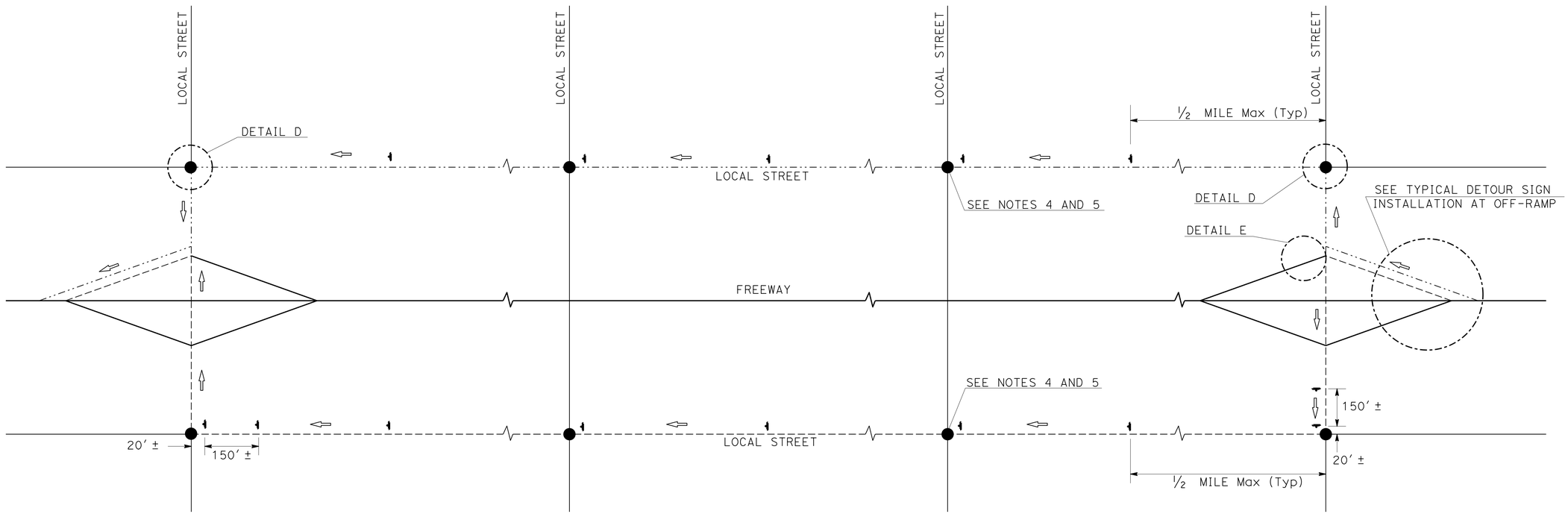
LEGEND

- SIGN SP-2
- AND/OR — DESIGNATED DETOUR ROUTE
- DETOUR DIRECTION
- CONTROLLED INTERSECTION

NOTES:

1. SP-2 SIGNS MAY BE STRAPPED ON EXISTING ELECTROLIER, SIGNAL POST OR SIGN POST.
2. SP-2 SIGNS SHALL NOT BE INSTALLED ON BARRICADES EXCEPT AS OTHERWISE SHOWN.
3. SIGN LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
4. SP-2 SIGNS SHALL BE POSTED AT EACH CONTROLLED INTERSECTION (EXCEPT AT COMMERCIAL PROPERTY, RESIDENTIAL COMPLEX OR T-INTERSECTION FROM ONE-WAY STREET) ALONG THE DESIGNATED DETOUR ROUTE.
5. UNLESS OTHERWISE SHOWN ON OTHER THD PLANS, WHEN CONTROLLED INTERSECTIONS ALONG THE DESIGNATED DETOUR ROUTE ARE CLOSELY SPACED, PLACE SP-2 SIGNS AT CONTROLLED INTERSECTIONS AT A DISTANCE NOT TO EXCEED 1/4 MILE FROM THE PRECEDING DETOUR SIGN.
6. EXCEPT AS OTHERWISE SHOWN ON OTHER PLANS OR SPECIFIED IN THE SPECIAL PROVISIONS, SP-2 SIGNS SHALL BE PLACED AS SHOWN ON THIS PLAN.



TYPICAL DETOUR SIGN INSTALLATION ALONG DESIGNATED DETOUR ROUTE

TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM FOR DETOUR SIGN INSTALLATION ALONG DESIGNATED DETOUR ROUTE
SHEET 1 OF 3

NO SCALE

THD-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DTM

FUNCTIONAL SUPERVISOR: JONH YANG
CALCULATED-DESIGNED BY:
CHECKED BY:
ALBERT K YU
JOCELYN C CHIANG
REVISED BY: JC
DATE REVISED: 3/12

LAST REVISION
DATE PLOTTED => 31-JUL-2014
TIME PLOTTED => 15:26
00-00-00

BORDER LAST REVISED 7/2/2010
USERNAME => S129395
DGN FILE => 728850me003
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1882
PROJECT NUMBER & PHASE 07000211051

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	21	188

Denis Katayama 2-6-14
REGISTERED CIVIL ENGINEER DATE

6-23-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
D.S KATAYAMA
No. C50648
Exp. 9-30-15
CIVIL
STATE OF CALIFORNIA

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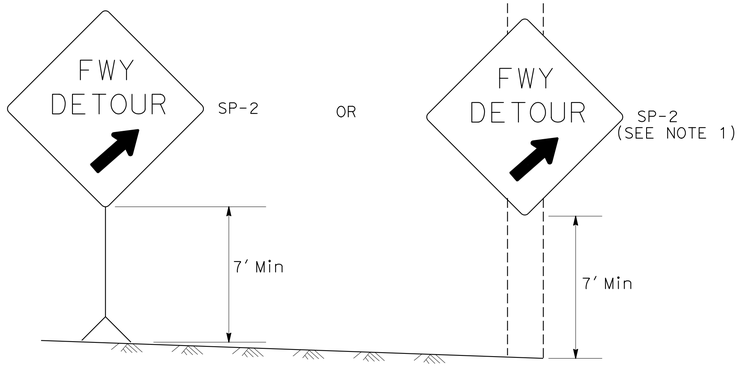
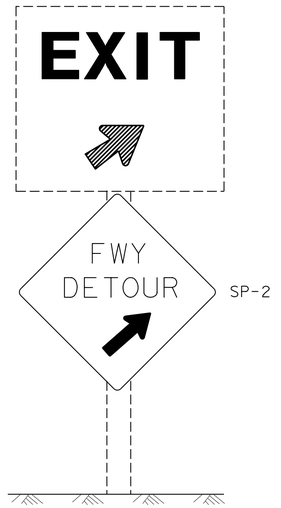
Exist G85 (CA)



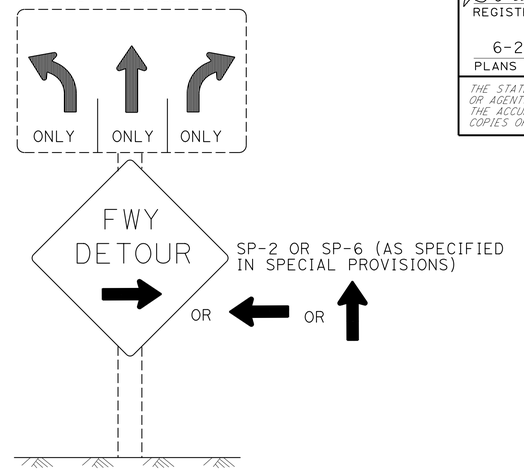
DETAIL A (SEE NOTE 3)

Exist E5-1, G84-2 (CA) OR G84-3 (CA)

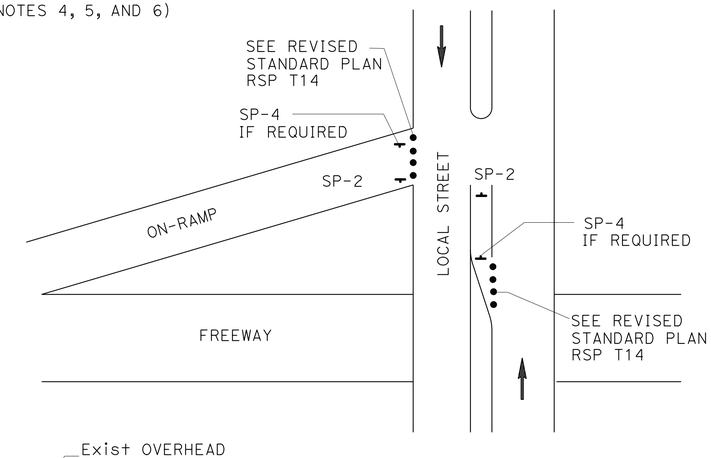


DETAIL B (SEE NOTE 3)

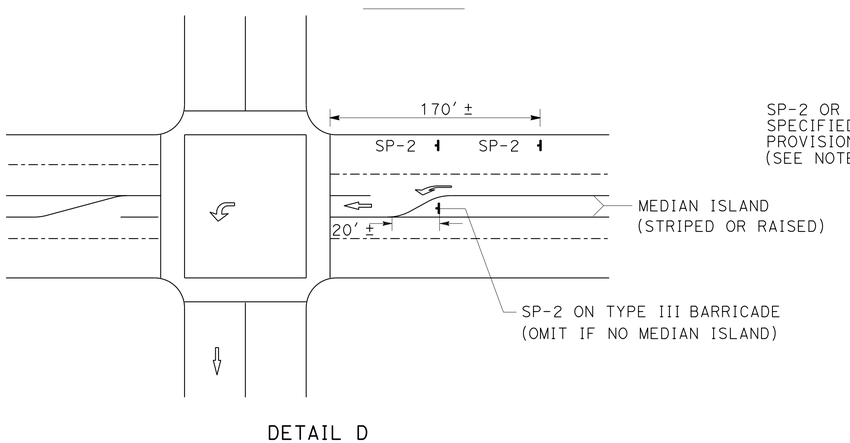
Exist R3-8 SERIES



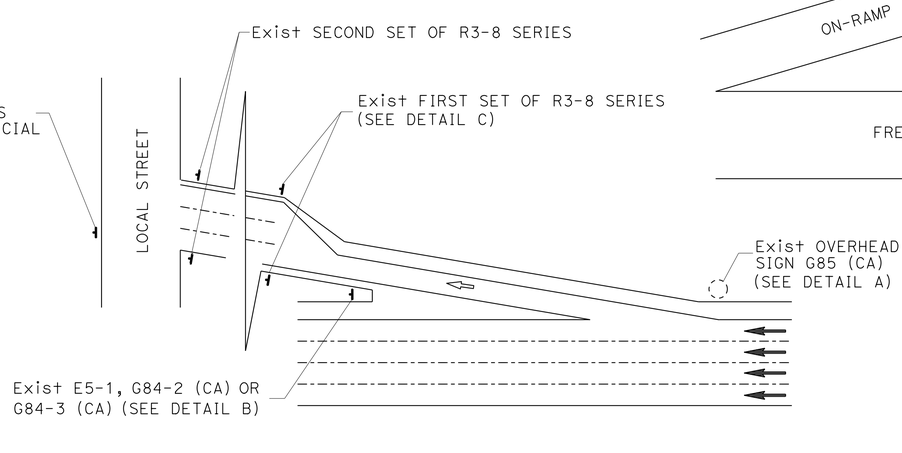
DETAIL C (SEE NOTES 4, 5, AND 6)



DETAIL E



DETAIL D



TYPICAL DETOUR SIGN INSTALLATION AT OFF-RAMP

LEGEND

- CONE
- PORTABLE SIGN
- DIRECTION OF TRAVEL
- DETOUR DIRECTION
- EXISTING OVERHEAD SIGN

NOTES: SIGN SP-2

1. SP-2 SIGNS MAY BE STRAPPED ON EXISTING ELECTROLIER, SIGNAL POST OR SIGN POST.
2. SP-2 SIGNS SHALL NOT BE INSTALLED ON BARRICADES EXCEPT AS OTHERWISE SHOWN.
3. OMIT DETAILS A AND B FOR FULL FREEWAY CLOSURES.
4. SEE TRAFFIC HANDLING DETAILS-TRAFFIC CONTROL SYSTEM FOR RAMP CLOSURES, DETOUR SIGNS, AND MISCELLANEOUS DETAILS PLAN SHEET 2 OF 2 FOR SP-6 SIGN DETAILS.
5. IF R3-8 SERIES SIGNS ARE NOT PRESENT AT THE OFF-RAMP, SP-2 OR SP-6 SIGNS SHALL BE FASTENED ONTO EXISTING ELECTROLIER, SIGNAL POST OR SIGN POST.
6. EXCEPT FOR DETAILS A & B, OMIT SP-2 SIGNS IF RAMP HAS MANDATORY SINGLE MOVE.

SIGN CODE LEGEND

XXYY-Y: FEDERAL SIGN CODE PER MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)

XXYY-Y (CA): CALIFORNIA SIGN CODE PER CALIFORNIA MUTCD

TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM FOR DETOUR SIGN INSTALLATION ALONG DESIGNATED DETOUR ROUTE
SHEET 2 OF 3

NO SCALE

THD-4

CALCULATED-DESIGNED BY
CHECKED BY
JC
1/14
REVISED BY
DATE REVISED
ALBERT K YU
JOCELYN C CHIANG
FUNCTIONAL SUPERVISOR
JOHN YANG
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DTM
Caltrans

LAST REVISION DATE PLOTTED => 31-JUL-2014
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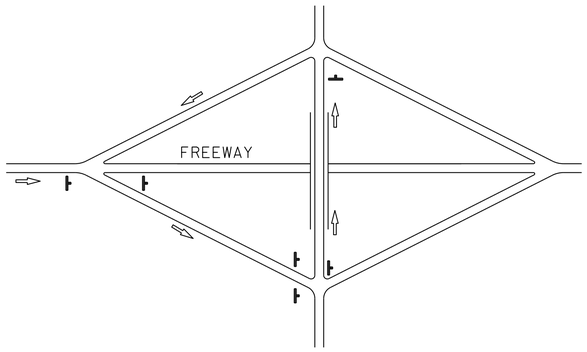
BORDER LAST REVISED 7/2/2010
USERNAME => S129395
DGN FILE => 728850me004
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1882
PROJECT NUMBER & PHASE 07000211051

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	22	188

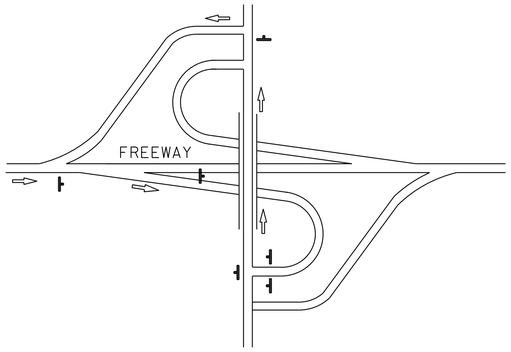
Denis Katayama 2-6-14
REGISTERED CIVIL ENGINEER DATE

6-23-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
D.S KATAYAMA
No. C50648
Exp. 9-30-15
CIVIL
STATE OF CALIFORNIA



TYPE I



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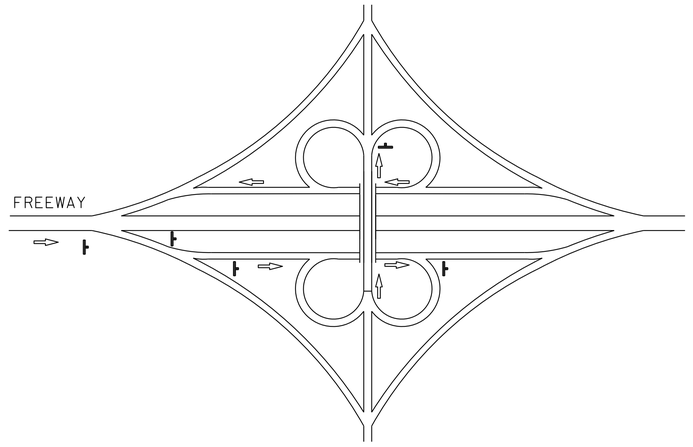
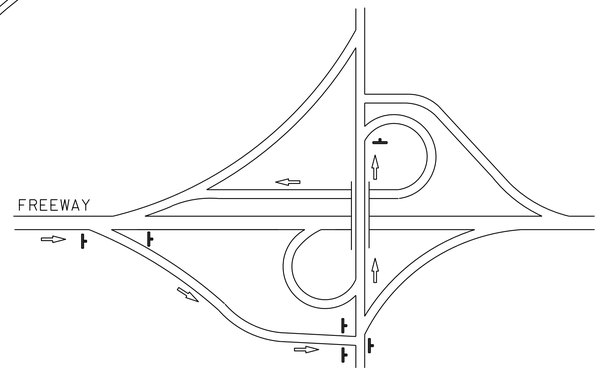
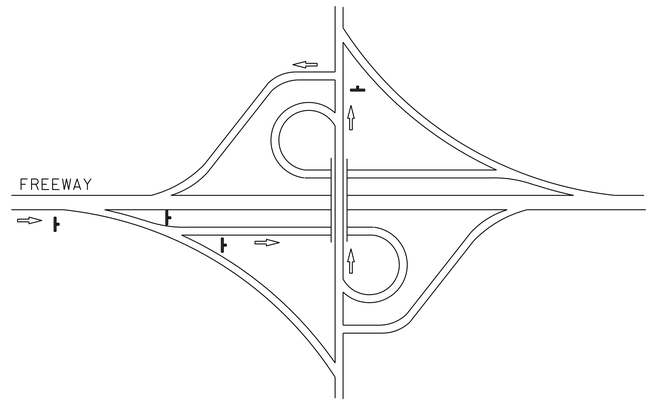


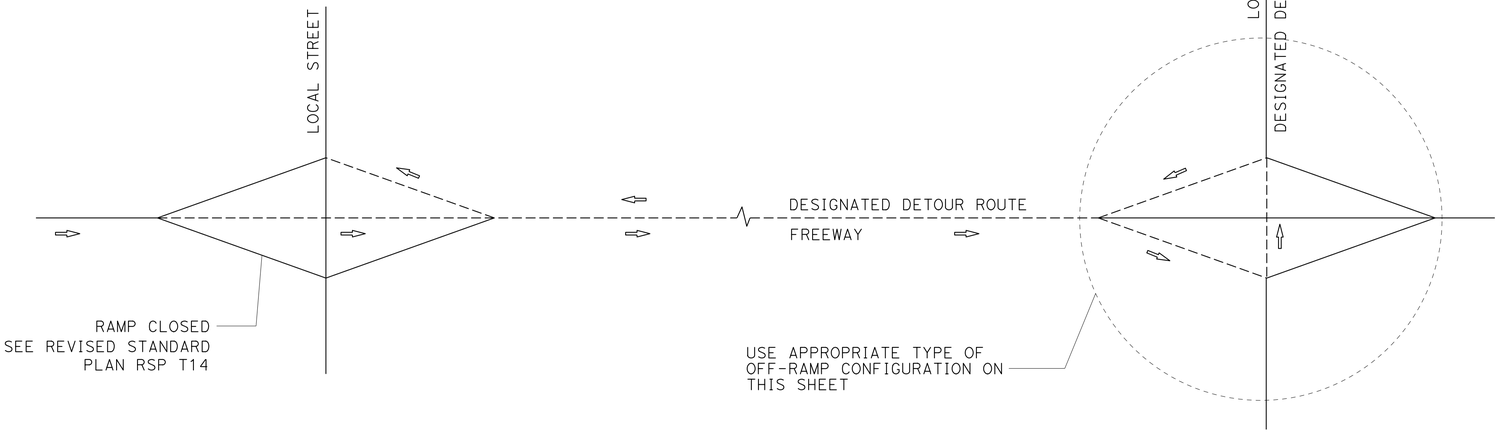
TYPE III



TYPE IV



TYPE V



TYPE OF OFF-RAMP CONFIGURATION	MINIMUM No. OF SP-2
TYPE I	6
TYPE II	6
TYPE III	5
TYPE IV	6
TYPE V	4

TYPICAL DETOUR SIGN INSTALLATION FOR OFF-RAMP CLOSURE

NOTES:

1. FOR RAMP CONFIGURATIONS NOT SHOWN, THE EXACT LOCATIONS AND MINIMUM NUMBER OF SP-2 SIGNS SHALL BE DETERMINED BY THE ENGINEER.
2. SEE TRAFFIC HANDLING DETAILS-TRAFFIC CONTROL SYSTEM FOR RAMP CLOSURES, DETOUR SIGNS, AND MISCELLANEOUS DETAILS PLAN SHEET 2 OF 2 FOR SP-2 SIGN DETAILS.

LEGEND

- SIGN SP-2
- DETOUR DIRECTION
- DESIGNATED DETOUR ROUTE

TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM FOR DETOUR SIGN INSTALLATION ALONG DESIGNATED DETOUR ROUTE
SHEET 3 OF 3

NO SCALE

THD-5

CALCULATED-DESIGNED BY
CHECKED BY
ALBERT K YU
JOCELYN C CHIANG
REVISED BY
DATE REVISED
JC
1/14
FUNCTIONAL SUPERVISOR
JOHN YANG
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	23	188

Denis Katayama 2-6-14
REGISTERED CIVIL ENGINEER DATE

6-23-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
D.S. KATAYAMA
No. C50648
Exp. 9-30-15
CIVIL
STATE OF CALIFORNIA

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NOTES:

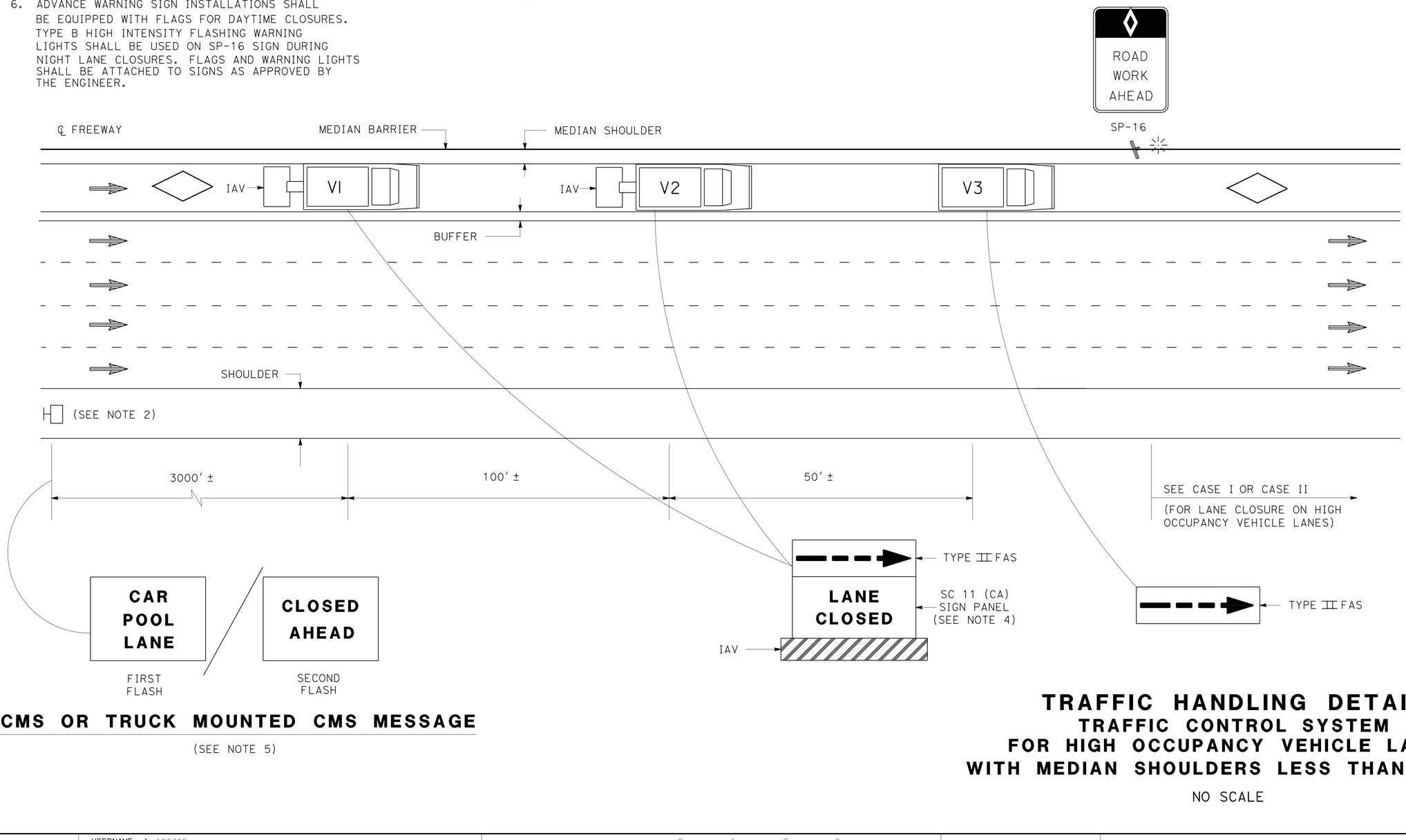
1. LANE CLOSURES SHALL NOT BE PLACED ON CREST VERTICAL CURVES OR ON HORIZONTAL CURVES.
2. PCMS SHALL BE ACTIVATED PRIOR TO TRAFFIC CONTROL ACTIVITIES ON THE HOV LANE.
3. A MINIMUM SIGHT DISTANCE OF 1500' SHALL BE PROVIDED IN ADVANCE OF PCMS.
4. VEHICLE-MOUNTED SIGN PANELS SHALL BE TYPE III OR IV RETROREFLECTORIZED SHEETING, BLACK ON WHITE OR BLACK ON ORANGE WITH 8" MINIMUM SERIES D LETTERS PER CALTRANS SIGN SPECIFICATIONS.
5. PLACE PCMS ON THE MEDIAN SHOULDER WHERE SUFFICIENT ROOM (SUCH AS CHP ENFORCEMENT AREAS) EXISTS.
6. ADVANCE WARNING SIGN INSTALLATIONS SHALL BE EQUIPPED WITH FLAGS FOR DAYTIME CLOSURES. TYPE B HIGH INTENSITY FLASHING WARNING LIGHTS SHALL BE USED ON SP-16 SIGN DURING NIGHT LANE CLOSURES. FLAGS AND WARNING LIGHTS SHALL BE ATTACHED TO SIGNS AS APPROVED BY THE ENGINEER.

LEGEND

V1, V2	SHADOW VEHICLES
V3	WORK/APPLICATION VEHICLE
	PCMS
	DIRECTION OF TRAVEL
	HOV LANE
	FLASHING BEACON

ABBREVIATIONS

FAS	FLASHING ARROW SIGN
IAV	IMPACT ATTENUATOR VEHICLE
CMS	CHANGEABLE MESSAGE SIGN
(CA)	CALIFORNIA CODE
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
HOV	HIGH OCCUPANCY VEHICLE
CHP	CALIFORNIA HIGHWAY PATROL



PCMS OR TRUCK MOUNTED CMS MESSAGE

(SEE NOTE 5)

TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM FOR HIGH OCCUPANCY VEHICLE LANES WITH MEDIAN SHOULDERS LESS THAN 8 FEET

NO SCALE

THD-6

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FUNCTIONAL SUPERVISOR: JOHN YANG
CALCULATED-DESIGNED BY: ALBERT K YU
CHECKED BY: JOCELYN C CHIANG
REVISED BY: JC
DATE REVISED: 3/12

LAST REVISION DATE PLOTTED => 31-JUL-2014
00-00-00 TIME PLOTTED => 15:26

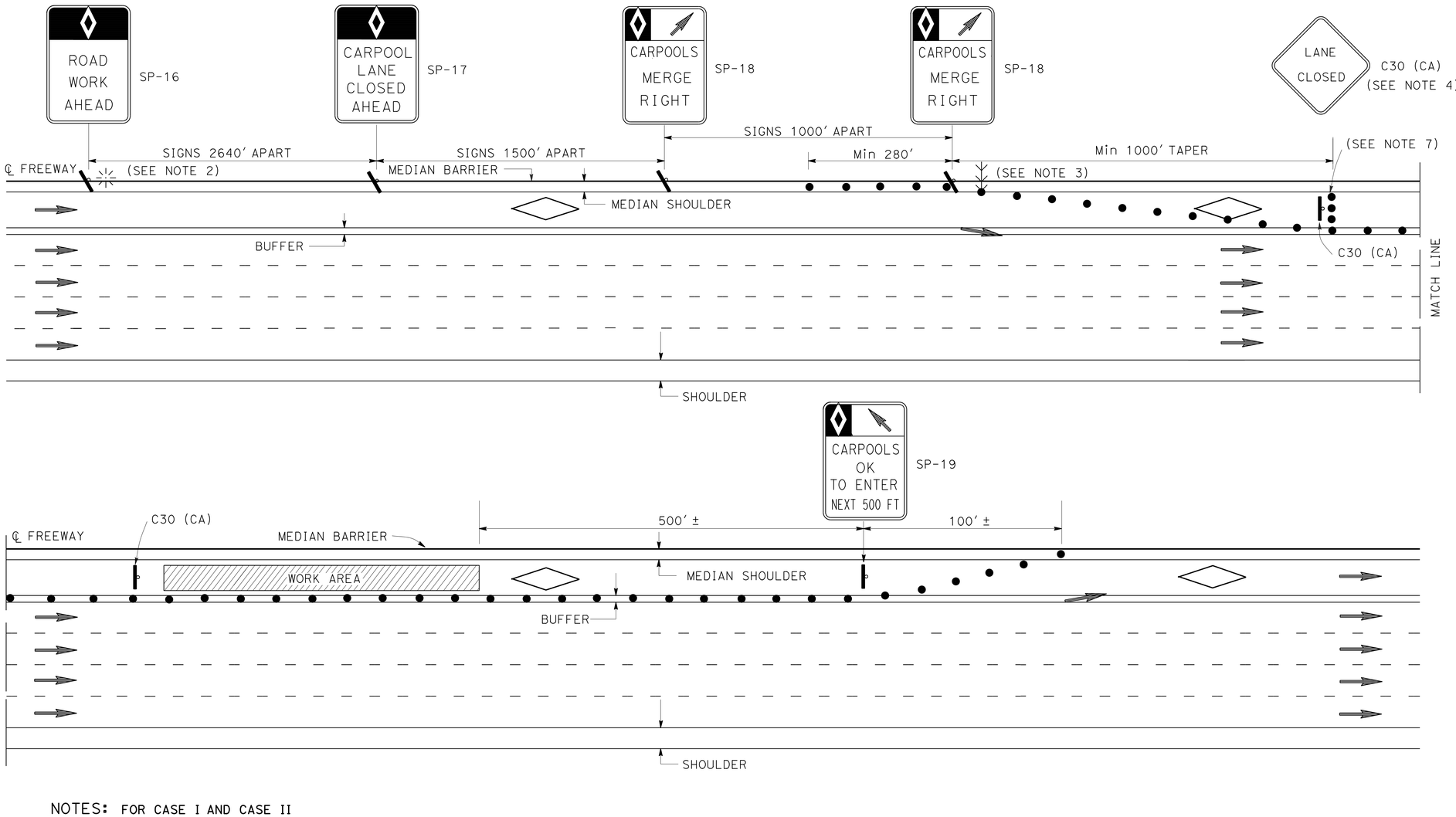
BORDER LAST REVISED 7/2/2010
USERNAME => s129395
DGN FILE => 728850me006
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1882
PROJECT NUMBER & PHASE 07000211051

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	24	188

Denis Katayama 2-6-14
REGISTERED CIVIL ENGINEER DATE

6-23-14
PLANS APPROVAL DATE

D.S. KATAYAMA No. C50648 Exp. 9-30-15 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA



LEGEND

- CONE
- FLASHING BEACON
- HOV LANE
- FLASHING ARROW SIGN
- PORTABLE SIGN
- DIRECTION OF TRAVEL

ABBREVIATIONS

(CA)	CALIFORNIA CODE
HOV	HIGH OCCUPANCY VEHICLE

SIGN PANEL

SIZE (Min)

SP-16	36" X 54"
SP-17	36" X 54"
SP-18	36" X 48"
SP-19	36" X 60"
C30 (CA)	30" X 30"
G20-2	48" X 24"

NOTES: FOR CASE I AND CASE II

1. AT LEAST ONE PERSON SHALL BE ASSIGNED TO FULL TIME MAINTENANCE OF TRAFFIC CONTROL DEVICES ON NIGHT LANE CLOSURES OR DAY-TIME CLOSURES EXCEEDING 1 MILE LENGTH, INCLUDING TAPERS.
2. ADVANCE WARNING SIGN INSTALLATIONS SHALL BE EQUIPPED WITH FLAGS FOR DAYTIME CLOSURES. TYPE B HIGH INTENSITY FLASHING WARNING LIGHTS SHALL BE USED ON SP-16 SIGN DURING NIGHT LANE CLOSURES. FLAGS AND WARNING LIGHTS SHALL BE ATTACHED TO SIGNS AS APPROVED BY THE ENGINEER.
3. THE FLASHING ARROW SIGN SHALL BE TYPE I.
4. PLACE C30 (CA) SIGNS EVERY 2000' THROUGHOUT THE LENGTH OF LANE CLOSURE.
5. A MINIMUM 1500' OF SIGHT DISTANCE SHALL BE PROVIDED WHERE POSSIBLE FOR VEHICLES APPROACHING THE FLASHING ARROW SIGN. LANE CLOSURES SHALL NOT BE PLACED ON CREST VERTICAL CURVES OR ON HORIZONTAL CURVES.
6. PORTABLE DELINEATORS PLACED AT ONE-HALF THE SPACING INDICATED FOR TRAFFIC CONES MAY BE USED INSTEAD OF CONES FOR DAYTIME CLOSURES.
7. A MINIMUM OF 3 CONES SHALL BE PLACED TRANSVERSELY ACROSS CLOSED LANES WHERE TAPERS END AND EVERY 2000'. TWO TYPE II BARRICADES MAY BE USED INSTEAD OF 3 CONES. THE ALIGNMENT OF CONES OR BARRICADES MAY BE SHIFTED FROM THE TRANSVERSE ALIGNMENT TO PROVIDE ACCESS TO WORK.
8. IF AN INGRESS/EGRESS AREA IS WITHIN 5250' UPSTREAM OR DOWNSTREAM OF THE WORK AREA, LANE CLOSURES SHALL BE EXTENDED TO THAT AREA AS SHOWN IN CASE II.
9. SIGNS SP-16, 17, 18, AND 19 MAY BE OVERLAID ON EXISTING CARPOOL SIGNS IN MEDIANS AS APPROVED BY THE ENGINEER.
10. SIGNS SP-16, 17, 18, AND C30 (CA) SHALL BE BLACK ON ORANGE BACKGROUND. SIGN SP-19 SHALL BE BLACK ON WHITE BACKGROUND. DIAMONDS ON SIGNS SHALL BE WHITE.
11. FOR CLOSURE OF LANE(S) ADJACENT TO HOV LANES, SEE CASE II.
12. THE MAXIMUM SPACING BETWEEN CONES SHALL BE APPROXIMATELY 50' IN TAPERS AND 100' ON TANGENTS.

TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM FOR HIGH OCCUPANCY VEHICLE LANES AT NON-INGRESS/EGRESS AREAS
CASE I

NO SCALE

THD-7

CALCULATED-DESIGNED BY	CHECKED BY	REVISED BY	DATE REVISED
ALBERT K YU	JOCELYN C CHIANG	JC	3/12

FUNCTIONAL SUPERVISOR: JOHN YANG

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — DTM — Caltrans

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BORDER LAST REVISED 7/2/2010 | USERNAME => S129395 DGN FILE => 728850me007 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1882 | PROJECT NUMBER & PHASE 07000211051

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	25	188

Denis Katayama 2-6-14
REGISTERED CIVIL ENGINEER DATE

6-23-14
PLANS APPROVAL DATE

D.S. KATAYAMA No. C50648 Exp. 9-30-15 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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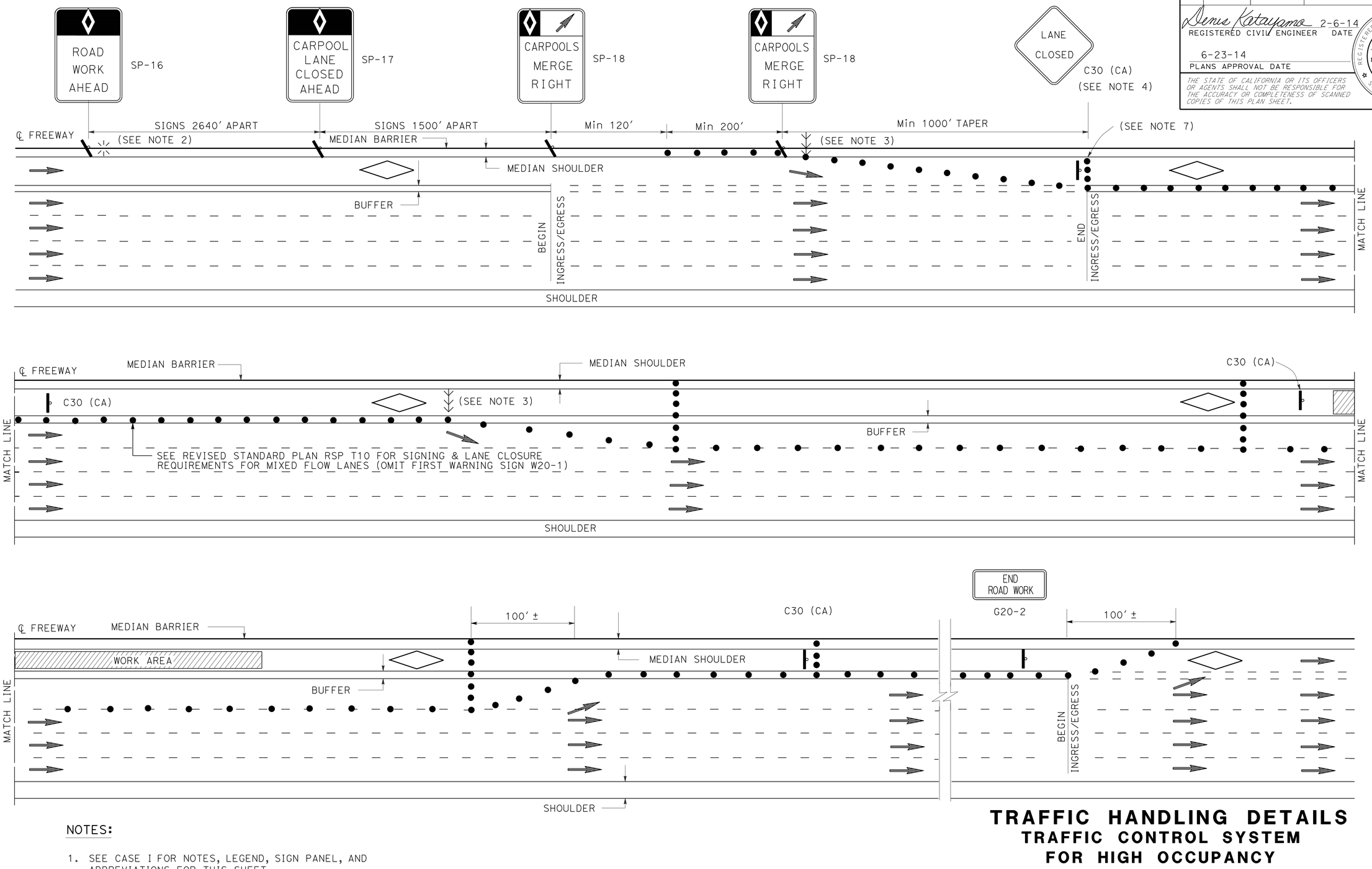


NOTES:

1. SEE CASE I FOR NOTES, LEGEND, SIGN PANEL, AND ABBREVIATIONS FOR THIS SHEET.
2. CLOSURES OF ONE MIXED FLOW TRAFFIC LANE ADJACENT TO HOV LANE SHOWN ON THIS SHEET. MULTIPLE MIXED FLOW LANE CLOSURES ARE SIMILAR.

TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM FOR HIGH OCCUPANCY VEHICLE LANES AND ADJACENT FREEWAY LANES BETWEEN INGRESS/EGRESS AREAS
CASE II

NO SCALE

THD-8

CALCULATED-DESIGNED BY: ALBERT K YU
CHECKED BY: JOCELYN C CHIANG
FUNCTIONAL SUPERVISOR: JOHN YANG
REVISED BY: JC — DATE REVISED: 1/14

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — DTM — Caltrans®

LAST REVISION: DATE PLOTTED => 31-JUL-2014 TIME PLOTTED => 15:27
00-00-00

BORDER LAST REVISED 7/2/2010 | USERNAME => S129395 DGN FILE => 728850me008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1882 | PROJECT NUMBER & PHASE 07000211051

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	26	188

REGISTERED CIVIL ENGINEER — DATE: 3/17/14

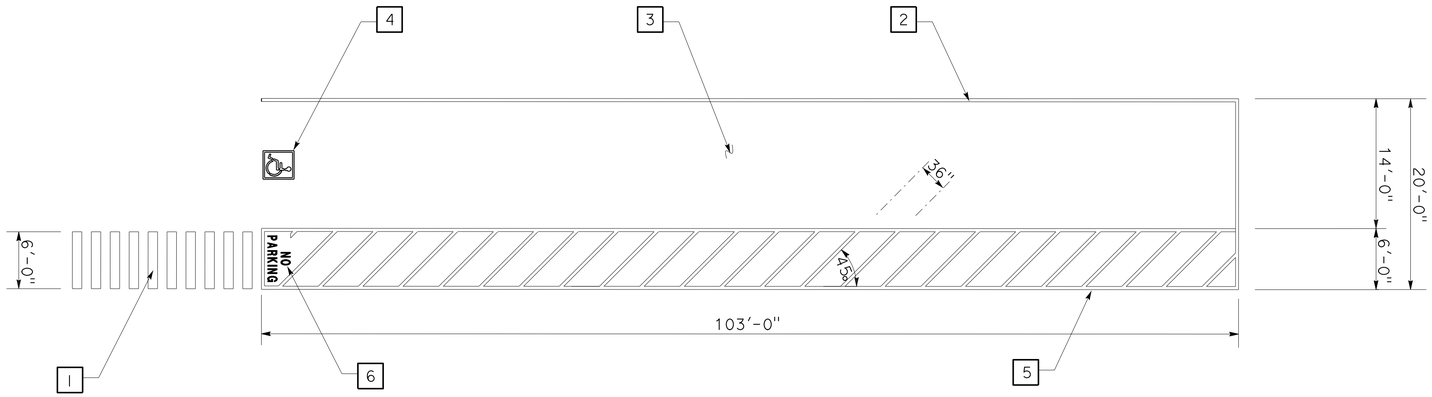
SULIASTI SUTANTO No. C77282 Exp 6/30/13 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

6-23-14
PLANS APPROVAL DATE

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

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. ALL TRAFFIC STRIPES AND PAVEMENT MARKINGS ARE THERMOPLASTIC UNLESS OTHERWISE NOTED.
3. REMOVE ALL CONFLICTING PAVEMENT DELINEATION.
4. EXACT LOCATION OF PAVEMENT MARKINGS SHALL BE DETERMINED BY THE ENGINEER.



DETAIL 1
NO SCALE

LEGEND FOR DETAIL 1

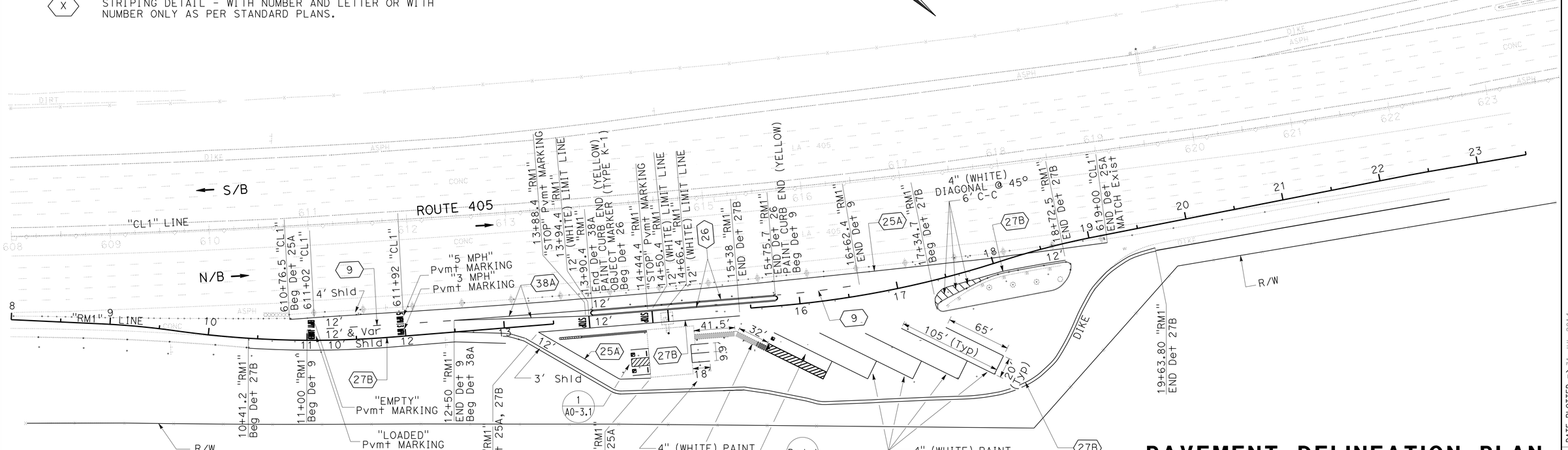
1. PEDESTRIAN CROSSWALK DELINEATION, 12" @ 2' C-C.
2. 4" WIDE WHITE PARKING STALL BORDER STRIPE. SEE PAVEMENT DELINEATION PLAN FOR ADDITIONAL STALL STRIPING.
3. MAXIMUM SLOPE ON PARKING STALL PAVED AREA TO BE 2%.
4. INTERNATIONAL SYMBOL OF ACCESSIBILITY PAINTED ON PAVEMENT. SEE REVISED STANDARD PLAN A24C.
5. 4" WIDE WHITE STRIPING DESIGNATION FOR NON-PARKING ACCESS AISLE.
6. "NO PARKING" IN MINIMUM 12" HIGH WHITE LETTERS TO BE PLACED WITHIN ACCESS AISLE SEE REVISED STANDARD PLAN A24E.

NOTE FOR DETAIL 1:

- ALL PAVEMENT MARKINGS ARE PAINT.

LEGEND:

(X) STRIPING DETAIL - WITH NUMBER AND LETTER OR WITH NUMBER ONLY AS PER STANDARD PLANS.



APPROVED FOR PAVEMENT DELINEATION WORK ONLY

PAVEMENT DELINEATION PLAN

SCALE: 1" = 50'

PD-1

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: SULIASTI SUTANTO
CHECKED BY: RICHARD KHAW
FUNCTIONAL SUPERVISOR: MOHAMMED CHOWDHURY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

LAST REVISION — DATE PLOTTED => 31-JUL-2014 — TIME PLOTTED => 15:27
00-00-00

BORDER LAST REVISED 7/2/2010 | USERNAME => s128843 | DGN FILE => 728850na001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2124 | PROJECT NUMBER & PHASE 07000211051

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	27	188

3/17/14
REGISTERED CIVIL ENGINEER DATE

SULIASTI SUTANTO
No. C77282
Exp 6/30/13
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

6-23-14
PLANS APPROVAL DATE

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PAVEMENT DELINEATION QUANTITIES

SHEET No.	4" THERMOPLASTIC TRAFFIC STRIPE		4" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 17-7)	8" THERMOPLASTIC TRAFFIC STRIPE	PAVEMENT MARKER (RETROREFLECTIVE)		THERMOPLASTIC PAVEMENT MARKING			PAINTED STALL LINES AND PAVEMENT MARKINGS						PAINT CURB (2-COAT)	PARKING BUMPER (PRECAST CONCRETE)	OBJECT MARKER (TYPE K-1)
	WHITE SOLID	YELLOW SOLID			TYPE G	TYPE H	DIAGONAL	LIMIT LINE	WORDS	4" WHITE PAVEMENT MARKING	12" WHITE PAVEMENT MARKING	4" BLUE PAVEMENT MARKING	4" BLUE DIAGONAL PAVEMENT MARKING	INTERNATIONAL SYMBOL OF ACCESSIBILITY (ISA) MARKING	WORDS			
	Det 27B	Det 25A	Det 9	Det 38A														
	LF	LF	LF	LF	EA	EA	SQFT	SQFT	SQFT	SQFT	SQFT	SQFT	SQFT	SQFT	SQFT	SQFT	EA	EA
PD-1	1350	960	240	280	8	47	24	44	163	214	222	145	156	69	4	7	2	1
TOTAL	2310		240	280	55		231			810						7	2	1

PAVEMENT DELINEATION QUANTITIES
PDQ-1

CALCULATED-DESIGNED BY: SULIASTI SUTANTO
CHECKED BY: RICHARD KHAW
REVISED BY
DATE REVISED
FUNCTIONAL SUPERVISOR: MOHAMMED CHOWDHURY
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

LAST REVISION | DATE PLOTTED => 31-JUL-2014
00-00-00 | TIME PLOTTED => 15:27

BORDER LAST REVISED 7/2/2010
USERNAME => s128843
DGN FILE => 728850nc001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 2124
PROJECT NUMBER & PHASE 07000211051

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	28	188

3/17/14
REGISTERED CIVIL ENGINEER DATE

SULIASTI SUTANTO
No. C77282
Exp 6/30/15
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

6-23-14
PLANS APPROVAL DATE

ROADWAY QUANTITIES

SHEET No.	TEMPORARY DRAINAGE INLET PROTECTION	TEMPORARY GRAVEL BAG BERM	TREATED WOOD WASTE	REMOVE GUARDRAIL	REMOVE ASPHALT CONCRETE DIKE	REMOVE CONCRETE PAVEMENT	REMOVE CONCRETE ISLAND (PORTIONS)	REMOVE CURB	ROADWAY EXCAVATION (TYPE Z-2) (AERIALLY DEPOSITED LEAD)	CLASS 3 AGGREGATE BASE	LEAN CONCRETE BASE	PLACE HOT MIX ASPHALT DIKE (TYPE A)	PLACE HOT MIX ASPHALT DIKE (TYPE C)	PLACE HOT MIX ASPHALT DIKE (TYPE D)	HOT MIX ASPHALT (TYPE A)	JOINTED PLAIN CONCRETE PAVEMENT	MINOR CONCRETE (CURB)	MINOR CONCRETE (ISLAND PAVING)	MIDWEST GUARDRAIL SYSTEM (WOOD POST)	MIDWEST GUARDRAIL SYSTEM (8' POST)	VEGETATION CONTROL (MINOR CONCRETE)	TRANSITION RAILING (TYPE WB-31)	ALTERNATIVE FLARED TERMINAL SYSTEM	END ANCHOR ASSEMBLY (TYPE SFT)	CRASH CUSHION (SMART CUSHION SCI 70GM TL-2)	CONCRETE BARRIER (TYPE 60)	REMOVE ASPHALT CONCRETE PAVEMENT	CONCRETE BARRIER (TYPE 60F)
	EA	LF	LB	LF	LF	SQYD	CY	LF	CY	CY	CY	LF	LF	LF	TON	CY	CY	CY	LF	LF	SQYD	EA	EA	EA	EA	LF	SQFT	LF
L-1			2350		710									860	51										1	18.5		
C-1						4350				1757	875					2630											28400	
C-2									1280																			
C-3							14	410									13	7										47
C-4																												
C-5				131.25								240	62.5		7				93.75				1	1				
C-6				375															800	75	600	1	1	2				
TOTAL	8	870	2350	506.25	710	4350	14	410	1280	1757	875	240	62.5	860	58	2630	13	7	893.75	75	600	1	2	3	1	18.5	28400	47

SUMMARY OF QUANTITIES
Q-1

CALCULATED-DESIGNED BY: SULIASTI SUTANTO
CHECKED BY: RICHARD KHAW
FUNCTIONAL SUPERVISOR: MOHAMED CHOWDHURY
REVISED BY
DATE REVISED

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

LAST REVISION 00-00-00
DATE PLOTTED => 01-AUG-2014
TIME PLOTTED => 13:47

BORDER LAST REVISED 7/2/2010
USERNAME => s124496
DGN FILE => 728850pa001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 2124
PROJECT NUMBER & PHASE 07000210171

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	29	188

Jaskaran Singh Boparai 3/17/14
REGISTERED ELECTRICAL ENGINEER DATE

6-23-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
JASKARAN SINGH BOPARAI
No. 15056
Exp. 12-31-2015
ELECTRICAL
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:

[1] RC Exist SCALE PAD WIM EQUIPMENT. INSTALL SCALE PAD WIM EQUIUPMENT.

[2] RC Exist PIEZOELECTRIC WIM EQUIPMENT. INSTALL PIEZOELECTRIC WIM EQUIUPMENT.

[3] RC PIEZOELECTRIC SENSORS. INSTALL PIEZOELECTRIC SENSORS.

[4] Exist TYPE 29-5-100 MODIFIED STANDARD.

[5] RC Exist WIM SCALES. INSTALL WIM SCALES.

[6] RC Exist TDC. INSTALL TDC ON NEW FOUNDATION.

[7] REMOVE Exist FOC AND LEAVE COILED IN PULL BOX.

NOTE:

1. PULL BOX COVERS SHALL BE MARKED "WSBS".

ABBREVIATIONS:

STC - SCREENED TRANSMISSION CABLE
SLC - SCALE LEAD IN CABLE
WSBS - WEIGH STATION BYPASS SYSTEM
ICN - IN CAB NOTIFICATION
AVI - AUTOMATED VEHICLE IDENTIFICATION
FOC - FIBER OPTIC CABLE
AT&T - AT&T TELEPHONE SERVICE PROVIDER
GTE - GENERAL TELEPHONE AND ELECTRONICS
2" PP - 2" PLASTIC PIPE (EDGE DRAIN OUTLET)
SCE - SOUTHERN CALIFORNIA EDISON

SYMBOLS:

- EXISTING COMMUNICATION SPLICE VAULT

- EXISTING COMMUNICATION PULL BOX

LEGEND:

1 Exist 2"C, RC 4 DLC, 2 STC. ADD 4 DLC, 2 STC

2 3"C, 6 PAIRS TWISTED LOOP CONDUCTORS, 4 SLC, 1 STC

3 Exist 3"C, RC 10 DLC, 4 SLC, 3 STC. ADD 10 DLC, 4 SLC, 3 STC

4 Exist 2"C, RC 1 TELEPHONE CABLE. ADD 1 TELEPHONE CABLE

5 Exist 2"C, 2#8

6 Exist 1½"C, 4#8

7 Exist 1½"C, RC 1 INTERCONNECTING CABLE. ADD 1 INTERCONNECTING CABLE

8 Exist 2"C, 1 FOC

9 Exist 2"C, PT

10 Exist 2"C, 4#6, 2#8, 2#10, 2#12

11 Exist 1½"C, EXISTING 2 TELEPHONE CABLE, RC 1 TELEPHONE CABLE. ADD 1 TELEPHONE CABLE

12 NOT USED

13 Exist 2-4"C, 3 CABLES (VIDEO, DATA, TRUNKLINE), 1FOC, PT

14 Exist 2"C, 5#6

15 Exist 2"C, 1 FOC, RC 1 TELEPHONE CABLE. ADD 1 TELEPHONE CABLE

16 Exist 2"C, RC 3 PAIRS TWISTED LOOP CONDUCTORS, 3 STC. ADD 6 PAIRS TWISTED LOOP CONDUCTORS, 3 STC

17 Exist 3"C, RC 6 DLC, 6 STC. ADD 6 DLC, 6 STC

18 Exist 2-2"C, 4#1, 2#6, 4#8

19 Exist 3"C, 4#1, 2#6, 4#8

20 Exist 2"C, 4#1, 4#8

21 Exist 1½"C, 2#6

22 Exist 2"C, 2#6

23 Exist 2-4"C, 3 CABLES (VIDEO, DATA, TRUNKLINE), PT

24 Exist 1½"C, 2#8

25 Exist 2½"C, 4#1

26 2½"C, 6 DLC

27 2½"C, 10 DLC

28 Exist 2"C, RC 10 DLC. ADD 10 DLC

29 2"C, PT, CONDUCTORS BY OTHERS

30 Exist 1½"C, PT, CONDUCTORS BY OTHERS

31 Exist 1½"C, 2#10

LEGEND, NOTES, SYMBOLS AND ABBREVIATIONS

E-1

REVISED BY	DATE REVISED
NATE DEKENS	04-15-13
JASKARAN BOPARAI	04-15-13

CALCULATED-DESIGNED BY
CHECKED BY

FUNCTIONAL SUPERVISOR
NELSON LEE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

LAST REVISION 02-04-14
DATE PLOTTED => 31-JUL-2014
TIME PLOTTED => 15:27

BORDER LAST REVISED 7/2/2010
USERNAME => s128843
DGN FILE => 728850ua001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0403
PROJECT NUMBER & PHASE 07000211051

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	30	188

Jaskaran Singh Boparai 3/17/14
REGISTERED ELECTRICAL ENGINEER DATE

6-23-14
PLANS APPROVAL DATE

JASKARAN SINGH BOPARAI No. 15056 Exp. 12-31-2015 ELECTRICAL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT
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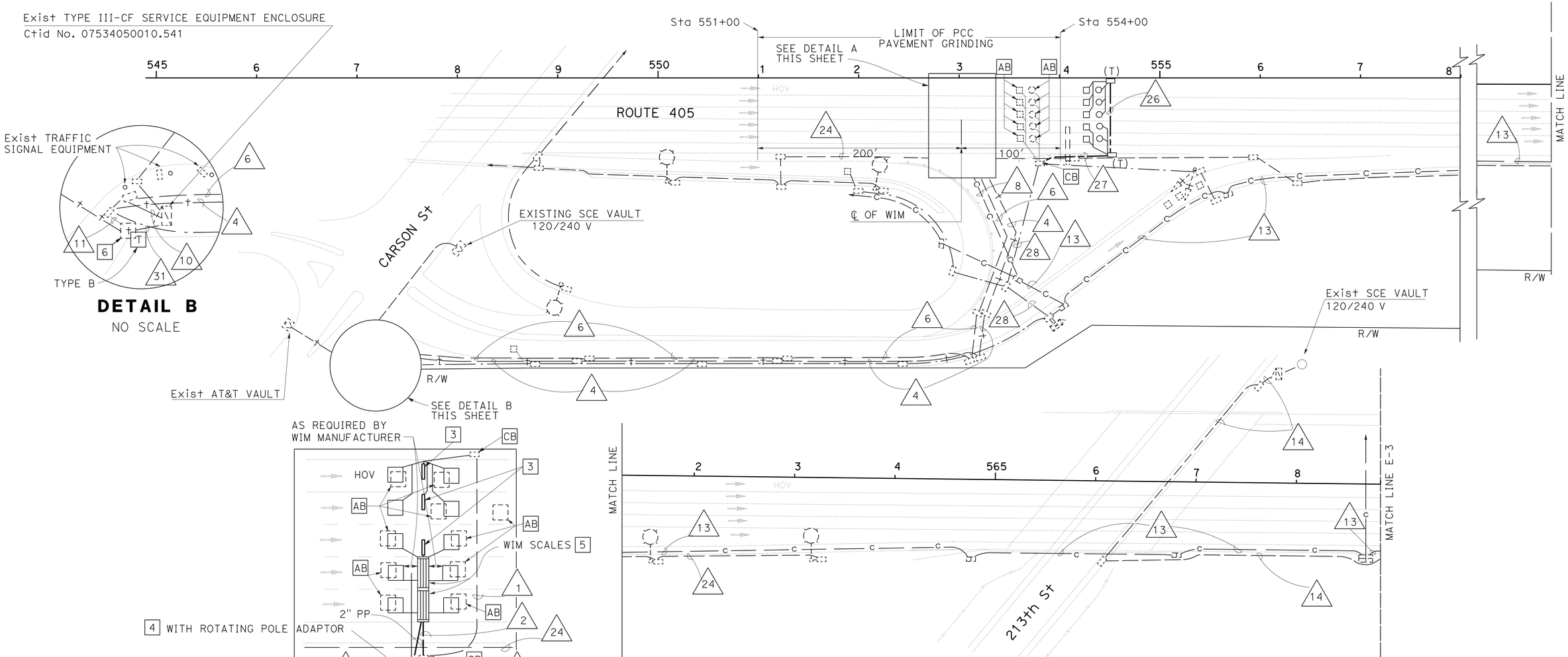

DETAIL B

NO SCALE

DETAIL A

AVI, BENDING PLATE WIM INSTALLATION
INSTALLATION DETAILS ON E-6 AND E-7
NO SCALE

WEIGH STATION BYPASS SYSTEM

SCALE: 1" = 50'

E-2

APPROVED FOR ELECTRICAL WORK ONLY

CALCULATED-DESIGNED BY	NATE DEKENS	04-15-13			
CHECKED BY	JASKARAN BOPARAI	04-15-13			
FUNCTIONAL SUPERVISOR	NELSON LEE				

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

LAST REVISION DATE PLOTTED => 31-JUL-2014
TIME PLOTTED => 15:27

BORDER LAST REVISED 7/2/2010 | USERNAME => s128843 | DGN FILE => 728850ua002.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0403 | PROJECT NUMBER & PHASE 07000211051

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	31	188

Jaskaran Singh Boparai 3/17/14
REGISTERED ELECTRICAL ENGINEER DATE

6-23-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
JASKARAN SINGH BOPARAI
No. 15056
Exp. 12-31-2015
ELECTRICAL
STATE OF CALIFORNIA

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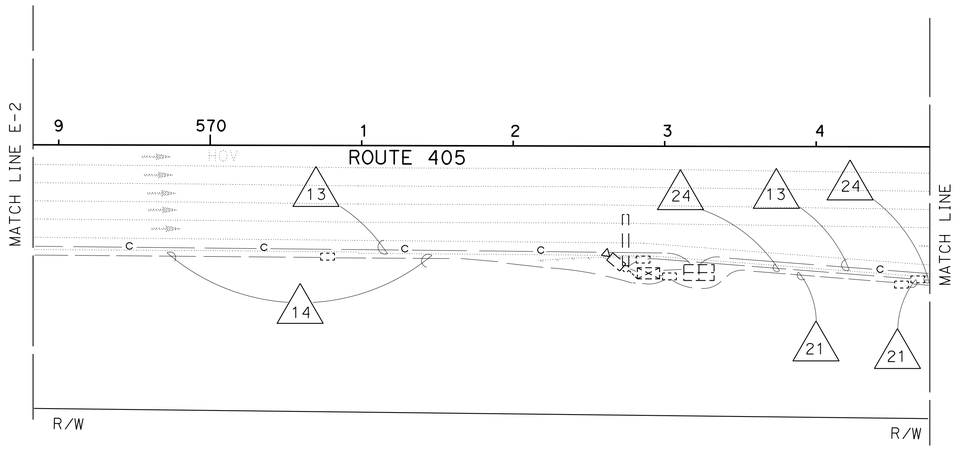
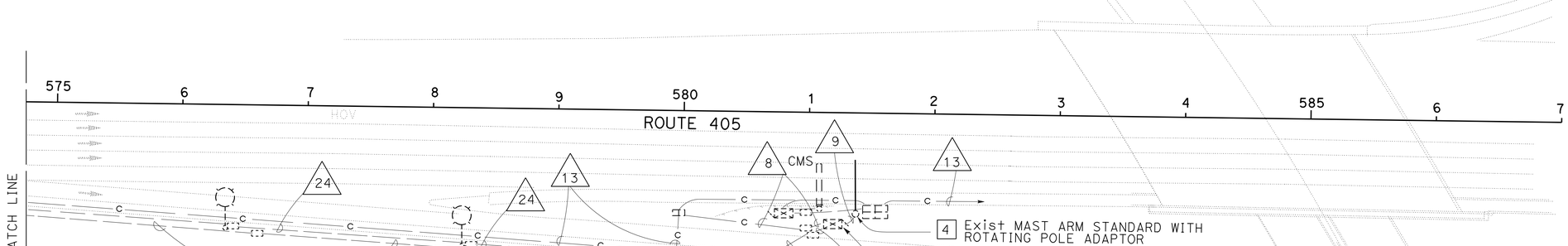
NOTE:

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





WEIGH STATION BYPASS SYSTEM

SCALE: 1" = 50'

E-3

APPROVED FOR ELECTRICAL WORK ONLY

REVISED BY	NATE DEKENS
DATE REVISED	04-15-13
CALCULATED-DESIGNED BY	JASKARAN BOPARAI
CHECKED BY	
FUNCTIONAL SUPERVISOR	NELSON LEE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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LAST REVISION 02-04-14
DATE PLOTTED => 31-JUL-2014
TIME PLOTTED => 15:27

BORDER LAST REVISED 7/2/2010
USERNAME => s128843
DGN FILE => 728850ua003.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0403
PROJECT NUMBER & PHASE 07000211051

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	32	188

Jaskaran Singh Boparai 3/17/14
REGISTERED ELECTRICAL ENGINEER DATE

6-23-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
JASKARAN SINGH BOPARAI
No. 15056
Exp. 12-31-2015
ELECTRICAL
STATE OF CALIFORNIA

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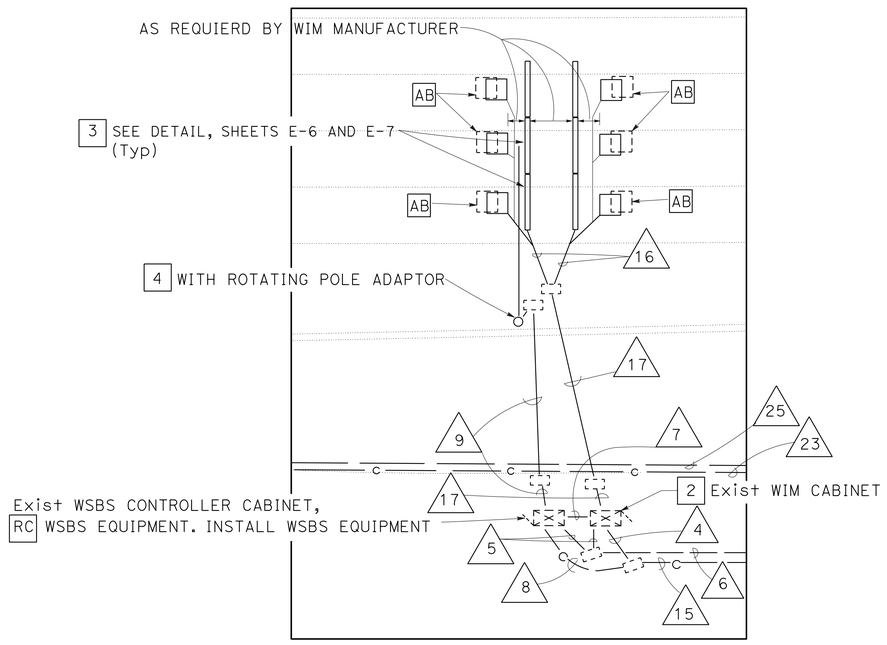
NOTE:

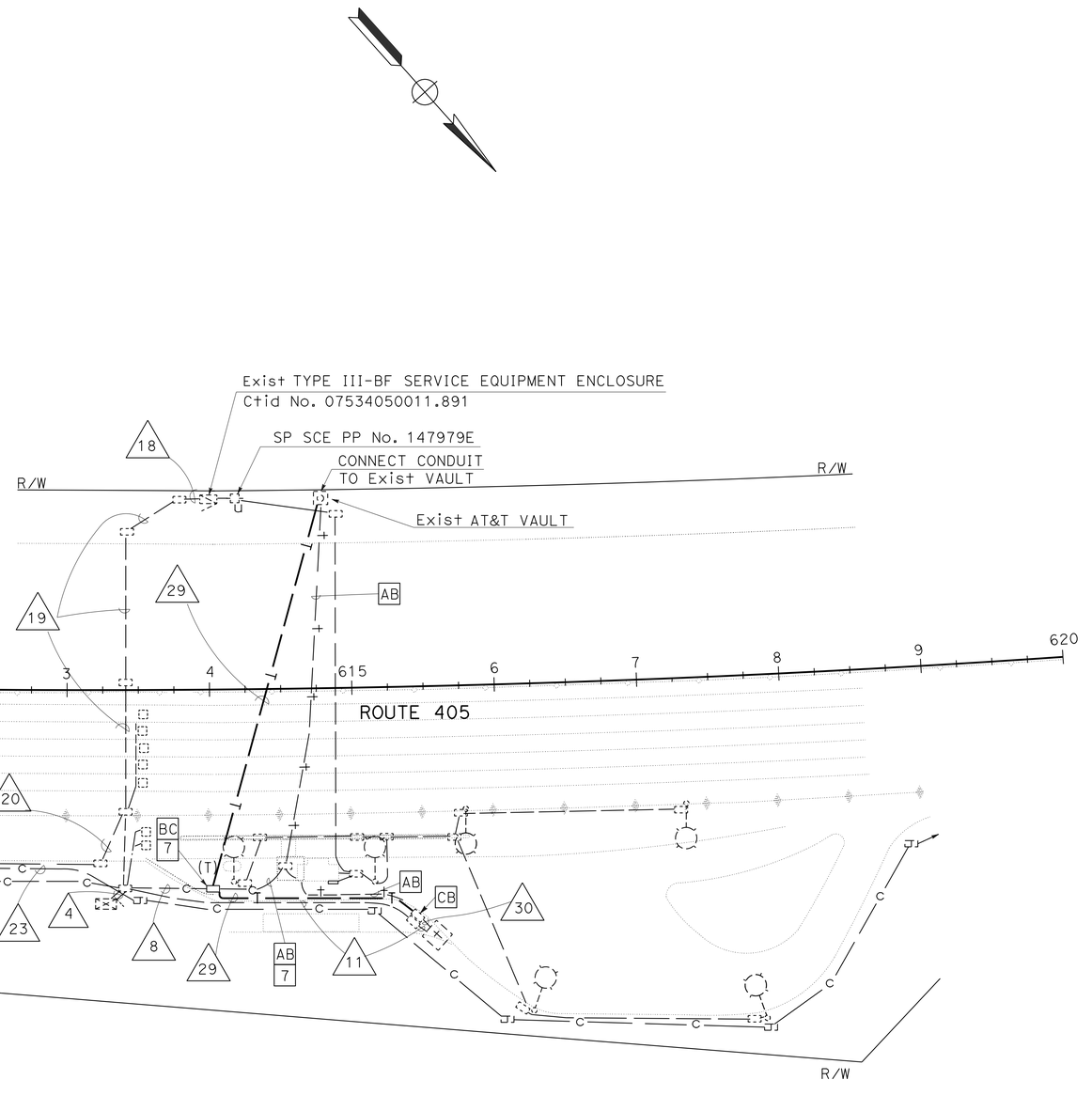
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



DETAIL B

PIEZOELECTRIC WIM SYSTEM INSTALLATION

NO SCALE



WEIGH STATION BYPASS SYSTEM

SCALE: 1" = 50'

E-4

APPROVED FOR ELECTRICAL WORK ONLY

REVISED BY	NATE DEKENS	CALCULATED-DESIGNED BY	
DATE REVISED	JASKARAN BOPARAI	CHECKED BY	
04-15-13			
04-15-13			

FUNCTIONAL SUPERVISOR: NELSON LEE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

LAST REVISION 02-04-14
DATE PLOTTED => 31-JUL-2014
TIME PLOTTED => 15:27

BORDER LAST REVISED 7/2/2010

USERNAME => s128843
DGN FILE => 728850ua004.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0403

PROJECT NUMBER & PHASE 07000211051

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	33	188

Jaskaran Singh Boparai 3/17/14
REGISTERED ELECTRICAL ENGINEER DATE

6-23-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
JASKARAN SINGH BOPARAI
No. 15056
Exp. 12-31-2015
ELECTRICAL
STATE OF CALIFORNIA

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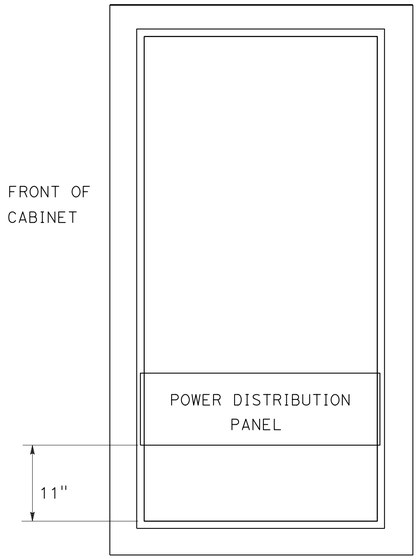
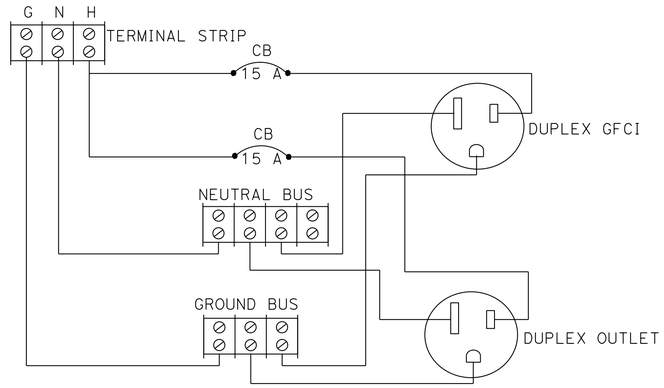
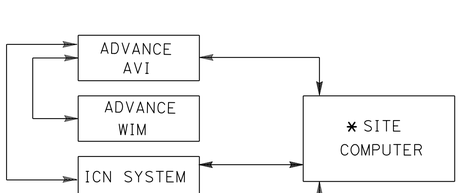


SIDE VIEW

Exist WSBS CONTROLLER CABINET



POWER PANEL WIRING DIAGRAM



* REFERENCE STRUCTURES ELECTRICAL SHEETS EE1-1 THROUGH EE1-8.

WEIGH STATION BYPASS SYSTEM BLOCK DIAGRAM

WEIGH STATION BYPASS SYSTEM

NO SCALE

E-5

REVISED BY	DATE REVISED
NATE DEKENS	04-15-13

CALCULATED-DESIGNED BY: JASKARAN BOPARAI
CHECKED BY:
FUNCTIONAL SUPERVISOR: NELSON LEE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

LAST REVISION: DATE PLOTTED => 31-JUL-2014
02-04-14 TIME PLOTTED => 15:27

BORDER LAST REVISED 7/2/2010

USERNAME => s128843
DGN FILE => 728850ua005.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0403

PROJECT NUMBER & PHASE 07000211051

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	34	188

Jaskaran Singh Boparai 3/17/14
REGISTERED ELECTRICAL ENGINEER DATE

6-23-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
JASKARAN SINGH BOPARAI
No. 15056
Exp. 12-31-2015
ELECTRICAL
STATE OF CALIFORNIA

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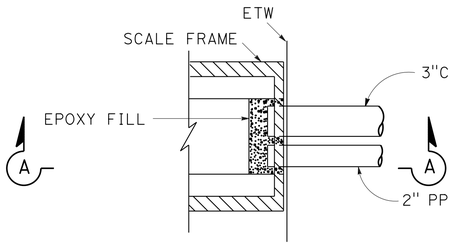
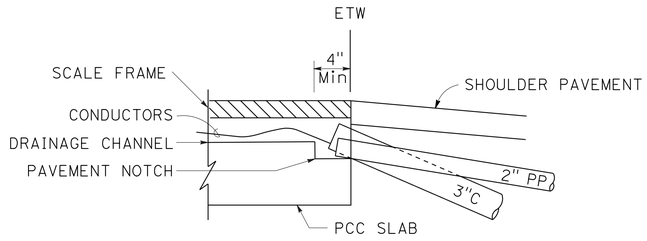


PLAN VIEW

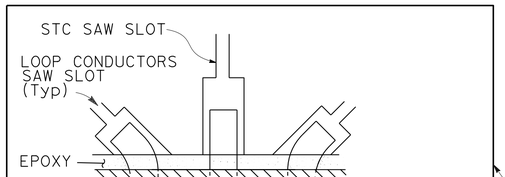


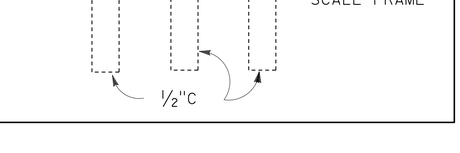
SECTION A-A

CONDUIT AND 2" PP TERMINATION DETAILS

NOTES:

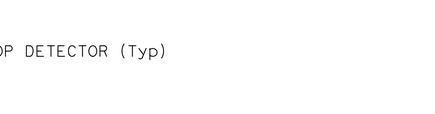
1. INSTALL NON-METALLIC BUSHING AT ROADWAY END OF CONDUIT.
2. INSTALL DUCT SEAL COMPOUND TO EACH END OF ROADWAY CONDUIT BEFORE INSTALLING EPOXY, OR OTHER APPROVED MATERIALS.
3. END OF 3"C AND 2" PP RESTS ON BOTTOM OF PAVEMENT NOTCH; 3"C BOTTOM MUST BE ABOVE 2" PP BOTTOM.



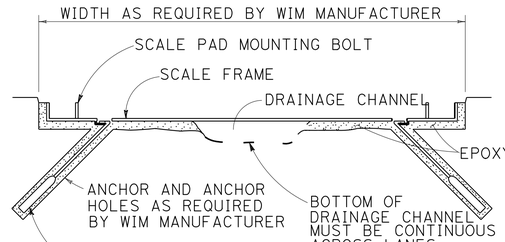


PLAN VIEW

LOOP HOME RUN DETAILS



SECTION E-E



SCALE FRAME INSTALLATION DETAIL
(Typ)

WEIGH STATION BYPASS SYSTEM

NO SCALE

E-6

CALCULATED-DESIGNED BY	CHECKED BY	FUNCTIONAL SUPERVISOR	REVISED BY	DATE REVISED
NATE DEKENS	JASKARAN BOPARAI	NELSON LEE	04-15-13	04-15-13

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

LAST REVISION | DATE PLOTTED => 31-JUL-2014
02-04-14 | TIME PLOTTED => 15:27

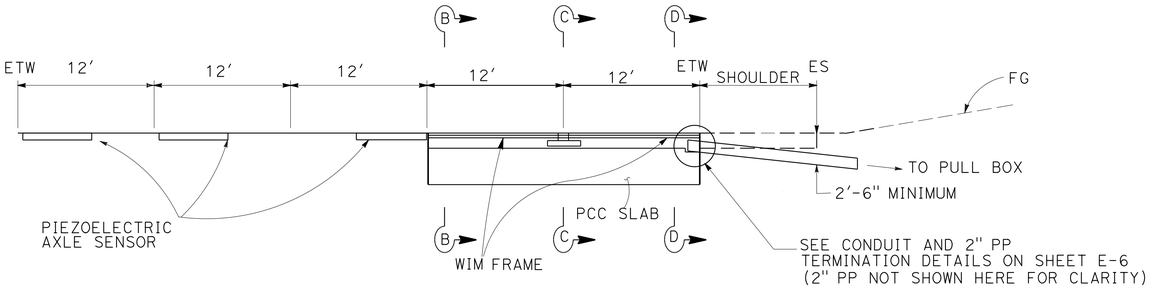
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	35	188

Jaskaran Singh Boparai 3/17/14
REGISTERED ELECTRICAL ENGINEER DATE

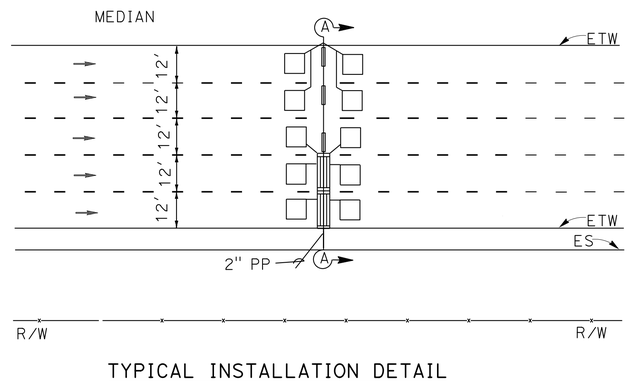
6-23-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
JASKARAN SINGH BOPARAI
No. 15056
Exp. 01-13-2014
ELECTRICAL
STATE OF CALIFORNIA

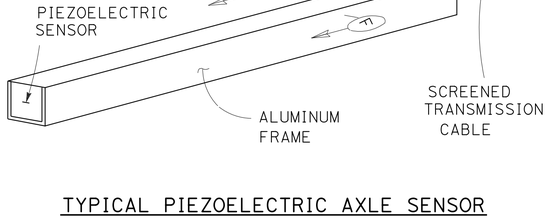
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



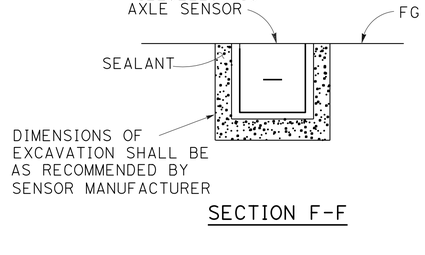
SECTION A-A



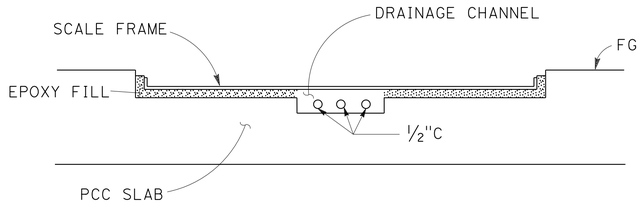
TYPICAL INSTALLATION DETAIL



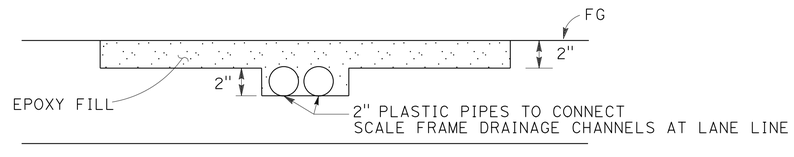
TYPICAL PIEZOELECTRIC AXLE SENSOR



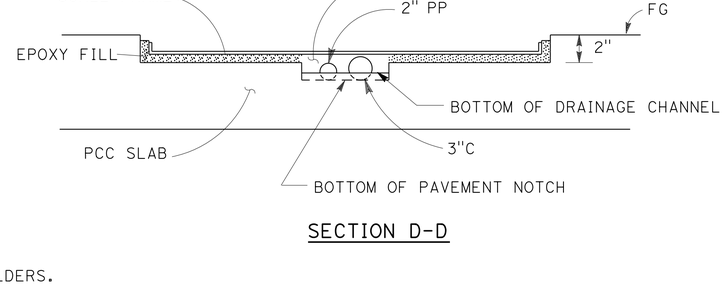
SECTION F-F



SECTION B-B



SECTION C-C



SECTION D-D

NOTES:

1. THE ENGINEER WILL VERIFY THE FINAL LOCATION OF THE WIM SCALES PRIOR TO PERFORMING ANY WORK IN THE TRAVELED WAY OR SHOULDERS.
2. EDGE DRAIN OUTLET MUST CONFORM TO TYPE C OUTLET WITH OUTLET COVER AS SHOWN ON STANDARD PLAN D99B EXCEPT THAT PIPE SHALL BE 2".
3. WIM SCALE MUST MATCH EXISTING ROADWAY PROFILE AND CROSS-SLOPE.
4. EXACT CONFIGURATION AND INSTALLATION PROCEDURES OF SCALE FRAME AND LOOP DETECTORS MUST CONFORM TO THE REQUIREMENTS OF THE WIM MANUFACTURER.

WEIGH STATION BYPASS SYSTEM

NO SCALE

E-7

CALCULATED-DESIGNED BY	NATE DEKENS	04-15-13
CHECKED BY	JASKARAN BOPARAI	DATE REVISED
FUNCTIONAL SUPERVISOR	NELSON LEE	REVISED BY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC DESIGN
Caltrans

LAST REVISION 02-04-14
DATE PLOTTED => 31-JUL-2014
TIME PLOTTED => 15:27

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	36	188

Jaskaran Singh Boparai 3/17/14
REGISTERED ELECTRICAL ENGINEER DATE

6-23-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
JASKARAN SINGH BOPARAI
No. 15056
Exp. 12-31-2015
ELECTRICAL
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.

WEIGH STATION BYPASS SYSTEM

SHEET No.	No. 5(T) PB	TYPE A LOOP	TYPE E LOOP	PIEZOELECTRIC SENSOR	SCALE PAD	TDC	WIM SYSTEM EQUIPMENT	2½" TYPE 3 PVC CONDUIT	TELEPHONE CABLE	DLC CABLE	STC CABLE	SLC CABLE	INTERCONNECTING CABLE
	EA							LF					
E-2	2	15	5	3	2	1	1	140	830	3870	430	160	25
E-4	1	6		6			1		150	1260	1150		25

ITEMS SHOWN IN THIS TABLE ARE NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

ELECTRICAL QUANTITIES

E-8

CALCULATED-DESIGNED BY: NATE DEKENS
CHECKED BY: JASKARAN BOPARAI
REVISED BY: 04-15-13
DATE REVISED: 04-15-13
FUNCTIONAL SUPERVISOR: NELSON LEE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

LAST REVISION DATE PLOTTED => 31-JUL-2014
TIME PLOTTED => 15:27

BORDER LAST REVISED 7/2/2010
USERNAME => s128843
DGN FILE => 728850ua008.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0403
PROJECT NUMBER & PHASE 07000211051

M

Maint	MAINTENANCE
Max	MAXIMUM
MB	METAL BEAM
MBB	METAL BEAM BARRIER
MBGR	METAL BEAM GUARD RAILING
Med	MEDIAN
MGS	MIDWEST GUARDRAIL SYSTEM
MH	MANHOLE
Min	MINIMUM
Misc	MISCELLANEOUS
Misc I & S	MISCELLANEOUS IRON AND STEEL
Mkr	MARKER
Mod	MODIFIED, MODIFY
Mon	MONUMENT
MP	METAL PLATE
MPGR	METAL PLATE GUARD RAILING
MR	MOVEMENT RATING
MSE	MECHANICALLY STABILIZED EMBANKMENT
Mt	MOUNTAIN, MOUNT
Mtl	MATERIAL
MVP	MAINTENANCE VEHICLE PULLOUT

N

N	NORTH
NB	NORTHBOUND
No.	NUMBER (MUST HAVE PERIOD)
Nos.	NUMBERS (MUST HAVE PERIOD)
NPS	NOMINAL PIPE SIZE
NS	NEAR SIDE
NSP	NEW STANDARD PLAN
NTS	NOT TO SCALE

O

Oblr	OBLITERATE
OC	OVERCROSSING
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OG	ORIGINAL GROUND
OGAC	OPEN GRADED ASPHALT CONCRETE
OGFC	OPEN GRADED FRICTION COURSE
OH	OVERHEAD
OHWM	ORDINARY HIGH WATER MARK
O-O	OUT TO OUT
Opp	OPPOSITE
OSD	OVERSIDE DRAIN

P

P	PAGE
PAP	PERFORATED ALUMINUM PIPE
PB	PULL BOX
PC	POINT OF CURVATURE, PRECAST
PCC	POINT OF COMPOUND CURVE, PORTLAND CEMENT CONCRETE
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
PCP	PERFORATED CONCRETE PIPE, PRESTRESSED CONCRETE PIPE
PCVC	POINT OF COMPOUND VERTICAL CURVE
PEC	PERMIT TO ENTER AND CONSTRUCT
Ped	PEDESTRIAN
Ped OC	PEDESTRIAN OVERCROSSING
Ped UC	PEDESTRIAN UNDERCROSSING
Perm Mtl	PERMEABLE MATERIAL

P continued

PG	PROFILE GRADE
PI	POINT OF INTERSECTION
PJP	PARTIAL JOINT PENETRATION
Pkwy	PARKWAY
ℙ,PL	PLATE
P/L	PROPERTY LINE
PM	POST MILE, TIME FROM NOON TO MIDNIGHT
PN	PAVING NOTCH
POC	POINT OF HORIZONTAL CURVE
POT	POINT OF TANGENT
POVC	POINT OF VERTICAL CURVE
PP	PIPE PILE, PLASTIC PIPE, POWER POLE
PPL	PREFORMED PERMEABLE LINER
PPP	PERFORATED PLASTIC PIPE
PRC	POINT OF REVERSE CURVE
PRF	PAVEMENT REINFORCING FABRIC
PRVC	POINT OF REVERSE VERTICAL CURVE
PS&E	PLANS, SPECIFICATIONS AND ESTIMATES
PS, P/S	PRESTRESSED
PSP	PERFORATED STEEL PIPE
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
Pvmt	PAVEMENT

Q

Qty	QUANTITY

R

R	RADIUS
R & D	REMOVE AND DISPOSE
R & S	REMOVE AND SALVAGE
R/C	RATE OF CHANGE
RCA	REINFORCED CONCRETE ARCH
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
RCPA	REINFORCED CONCRETE PIPE ARCH
Rd	ROAD
Reinf	REINFORCED, REINFORCEMENT, REINFORCING
Rel	RELOCATE
Repl	REPLACEMENT
Ret	RETAINING
Rev	REVISED, REVISION
Rdwy	ROADWAY
RHMA	RUBBERIZED HOT MIX ASPHALT
Riv	RIVER
RM	ROAD-MIXED
RP	RADIUS POINT, REFERENCE POINT
RR	RAILROAD
RSP	ROCK SLOPE PROTECTION, REVISED STANDARD PLAN
Rt	RIGHT
Rte	ROUTE
RW	REDWOOD, RETAINING WALL
R/W	RIGHT OF WAY
Rwy	RAILWAY

S

S	SOUTH, SUPPLEMENT
SAE	STRUCTURE APPROACH EMBANKMENT
Salv	SALVAGE
SAPP	STRUCTURAL ALUMINUM PLATE PIPE
SB	SOUTHBOUND
SC	SAND CUSHION
SCSP	SLOTTED CORRUGATED STEEL PIPE
SD	STORM DRAIN
Sec	SECOND, SECTION
Sep	SEPARATION
SG	SUBGRADE
Shld	SHOULDER
Sht	SHEET
Sim	SIMILAR
℄	STATION LINE
SM	SELECTED MATERIAL
Spec	SPECIAL, SPECIFICATIONS
SPP	SLOTTED PLASTIC PIPE
SS	SLOPE STAKE
SSBM	STRAP AND SADDLE BRACKET METHOD
SSD	STRUCTURAL SECTION DRAIN
SSPA	STRUCTURAL STEEL PLATE ARCH
SSPP	STRUCTURAL STEEL PLATE PIPE
SSPPA	STRUCTURAL STEEL PLATE PIPE ARCH
SSRP	STEEL SPIRAL RIB PIPE
St	STREET
Sta	STATION
STBB	SINGLE THRIE BEAM BARRIER
Std	STANDARD
Str	STRUCTURE
Surf	SURFACING
SW	SIDEWALK, SOUND WALL
Swr	SEWER
Sym	SYMMETRICAL
S4S	SURFACE 4 SIDES

T

T	SEMI-TANGENT
Tan	TANGENT
TBB	THRIE BEAM BARRIER
Tbr	TIMBER
TC	TOP OF CURB
TCB	TRAFFIC CONTROL BOX
TCE	TEMPORARY CONSTRUCTION EASEMENT
Tel	TELEPHONE
Temp	TEMPORARY
TG	TOP OF GRADE
Tot	TOTAL
TP	TELEPHONE POLE
TPB	TREATED PERMEABLE BASE
TPM	TREATED PERMEABLE MATERIAL
Trans	TRANSITION

T continued

TS	TRANSVERSE, TRAFFIC SIGNAL, TUBULAR STEEL
Typ	TYPICAL

U

UC	UNDERCROSSING
UD	UNDERDRAIN
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
UP	UNDERPASS

V

V	VALVE, DESIGN SPEED
Var	VARIABLE, VARIES
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
Vert	VERTICAL
Via	VIADUCT
Vol	VOLUME

W

W	WEST, WIDTH
WB	WESTBOUND
WH	WEEP HOLE
WM	WIRE MESH
WS	WATER SURFACE
WSP	WELDED STEEL PIPE
Wt	WEIGHT
WV	WATER VALVE
WW	WINGWALL
WWLOL	WINGWALL LAYOUT LINE

X

X Sec	CROSS SECTION
Xing	CROSSING

Y

Yr	YEAR
Yrs	YEARS

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	37	188

Grace M. Tsushima
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Grace M. Tsushima — No. C49814 — Exp. 9-30-14 — CIVIL — STATE OF CALIFORNIA

TO ACCOMPANY PLANS DATED 6-23-14

UNIT OF MEASUREMENT SYMBOLS:

Some of the symbols used in the project plan quantity tables and in the Bid Item List are:

TABLE A

SYMBOL USED	DEFINITIONS
ACRE	ACRE
CF	CUBIC FOOT
CY	CUBIC YARD
EA	EACH
GAL	GALLON
LB	POUND
LF	LINEAR FOOT
SQFT	SQUARE FOOT
SQYD	SQUARE YARD
STA	100 FEET
TAB	TABLET
TON	2,000 POUNDS

Some of the symbols used in the plans other than in the project plan quantity tables are:

TABLE B

SYMBOL USED	DEFINITIONS
ksi	KIPS PER SQUARE INCH
ksf	KIPS PER SQUARE FOOT
psi	POUNDS PER SQUARE INCH
psf	POUNDS PER SQUARE FOOT
lb/ft^3, pcf	POUNDS PER CUBIC FOOT
tsf	TONS PER SQUARE FOOT
mph, MPH *	MILES PER HOUR
ø	NOMINAL DIAMETER
oz	OUNCE
lb	POUND
kip	1,000 POUNDS
cal	CALORIE
ft	FOOT OR FEET
gal	GALLON

* For use on a sign panel only

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ABBREVIATIONS (SHEET 2 OF 2)

NO SCALE

RSP A10B DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN A10B DATED MAY 20, 2011 - PAGE 2 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A10B

2010 REVISED STANDARD PLAN RSP A10B

6-7-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	38	188

Roberta L. McLaughlin
REGISTERED CIVIL ENGINEER

April 20, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Roberta L. McLaughlin — No. C40375 — Exp. 3-31-13 — CIVIL — STATE OF CALIFORNIA

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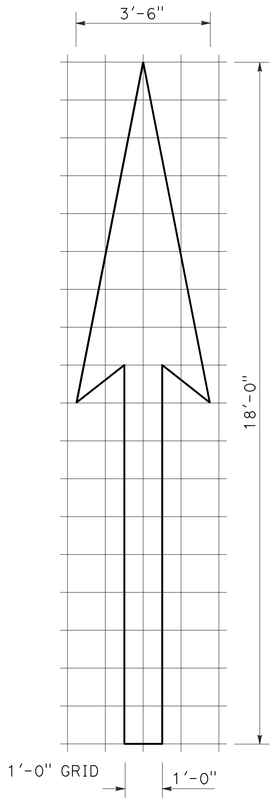
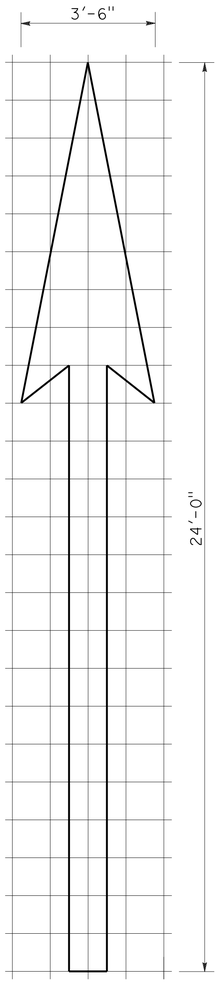
TO ACCOMPANY PLANS DATED 6-23-14



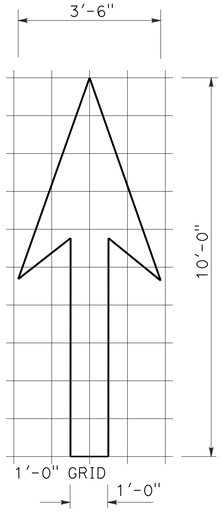
A=25 ft²

TYPE I 18'-0" ARROW



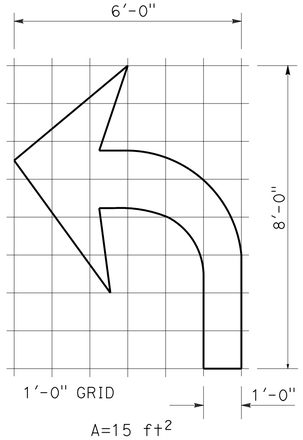
A=31 ft²

TYPE I 24'-0" ARROW



A=14 ft²

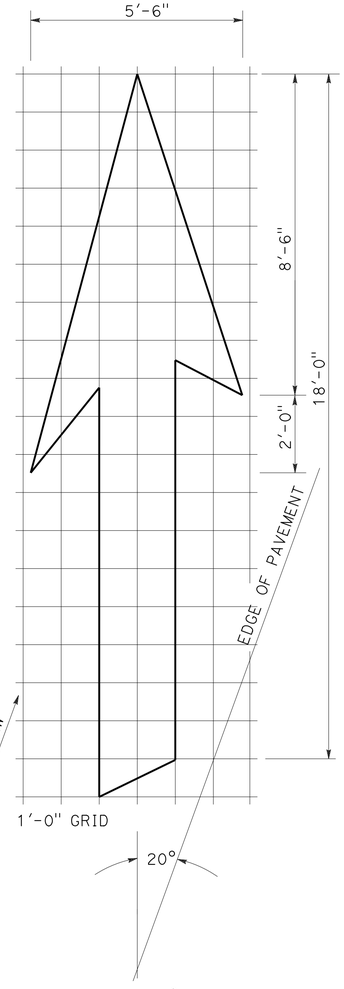
TYPE I 10'-0" ARROW



A=15 ft²

TYPE IV (L) ARROW

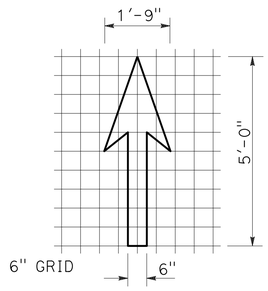
(For Type IV (R) arrow, use mirror image)



A=42 ft²

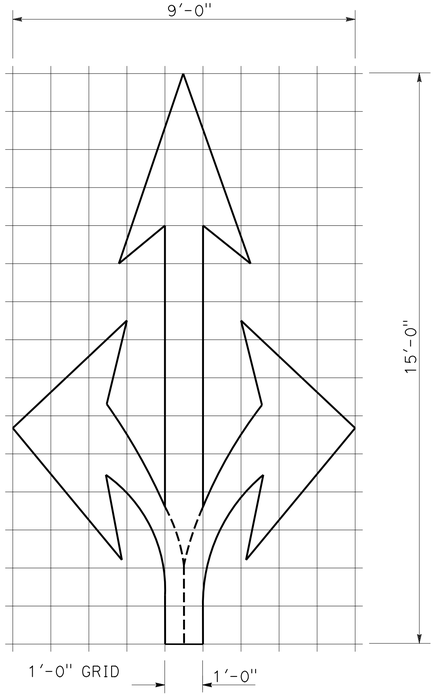
TYPE VI ARROW

Right lane drop arrow (For left lane, use mirror image)



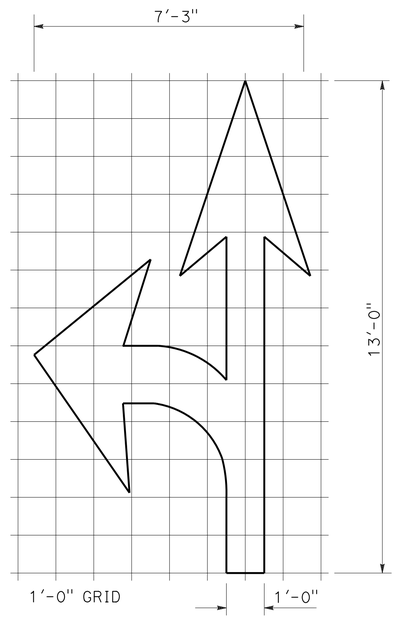
A=3.5 ft²

BIKE LANE ARROW



A=36 ft²

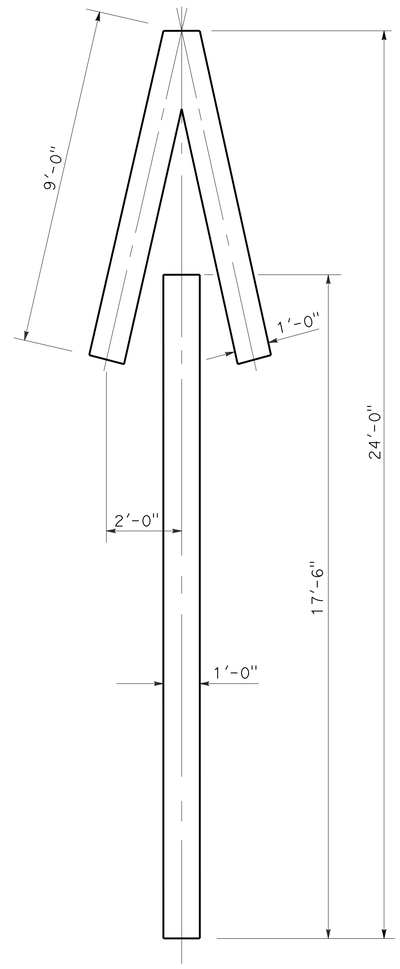
TYPE VIII ARROW



A=27 ft²

TYPE VII (L) ARROW

(For Type VII (R) arrow, use mirror image)



A=33 ft²

TYPE V ARROW

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS ARROWS

NO SCALE

RSP A24A DATED APRIL 20, 2012 SUPERSEDES STANDARD PLAN A24A DATED MAY 20, 2011 - PAGE 13 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A24A

2010 REVISED STANDARD PLAN RSP A24A

3-14-12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	39	188

Roberta L. McLaughlin
REGISTERED CIVIL ENGINEER

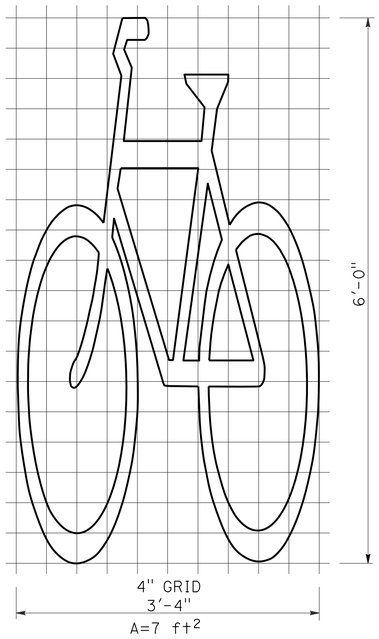
October 19, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Roberta L. McLaughlin
No. C40375
Exp. 3-31-13
CIVIL
STATE OF CALIFORNIA

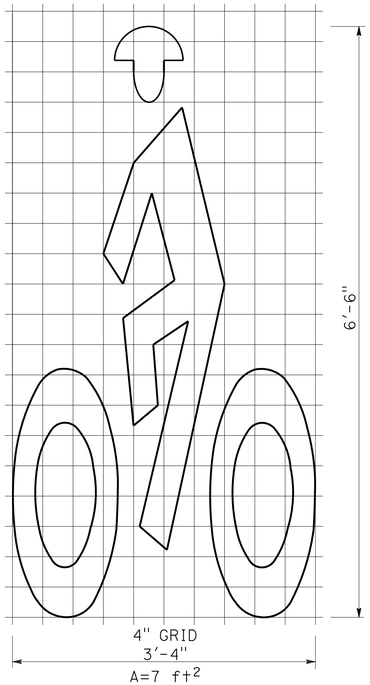
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTE: TO ACCOMPANY PLANS DATED 6-23-14

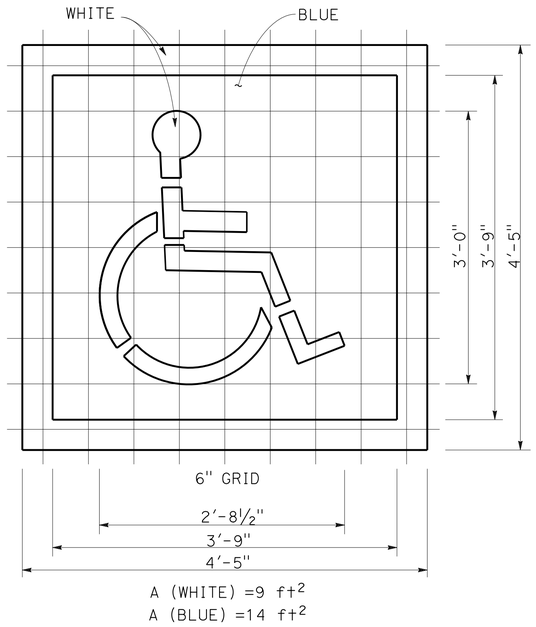
Minor variations in dimensions may be accepted by the Engineer.



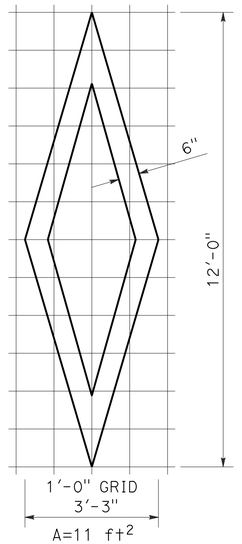
BIKE LANE SYMBOL WITHOUT PERSON



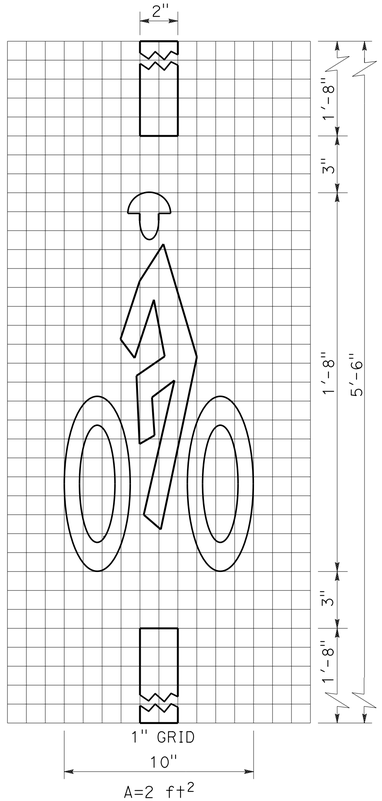
BIKE LANE SYMBOL WITH PERSON



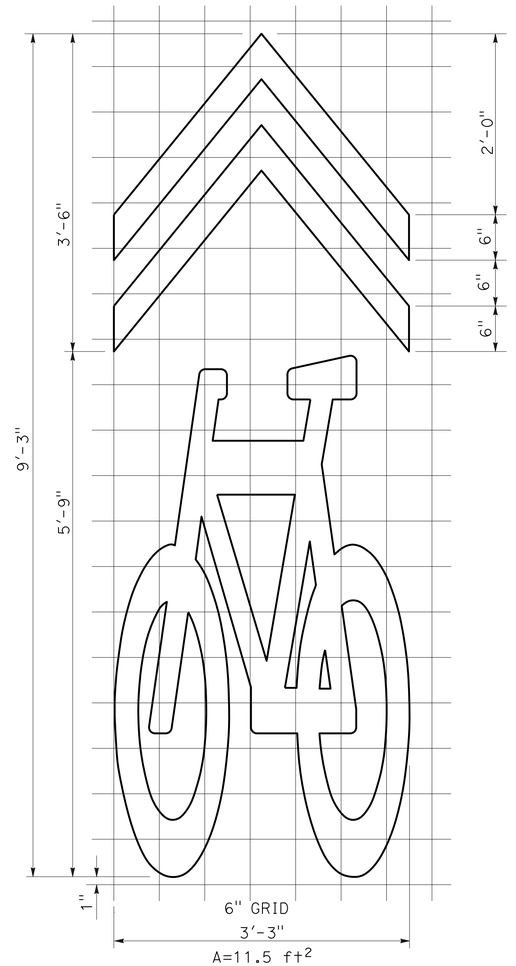
INTERNATIONAL SYMBOL OF ACCESSIBILITY (ISA) MARKING



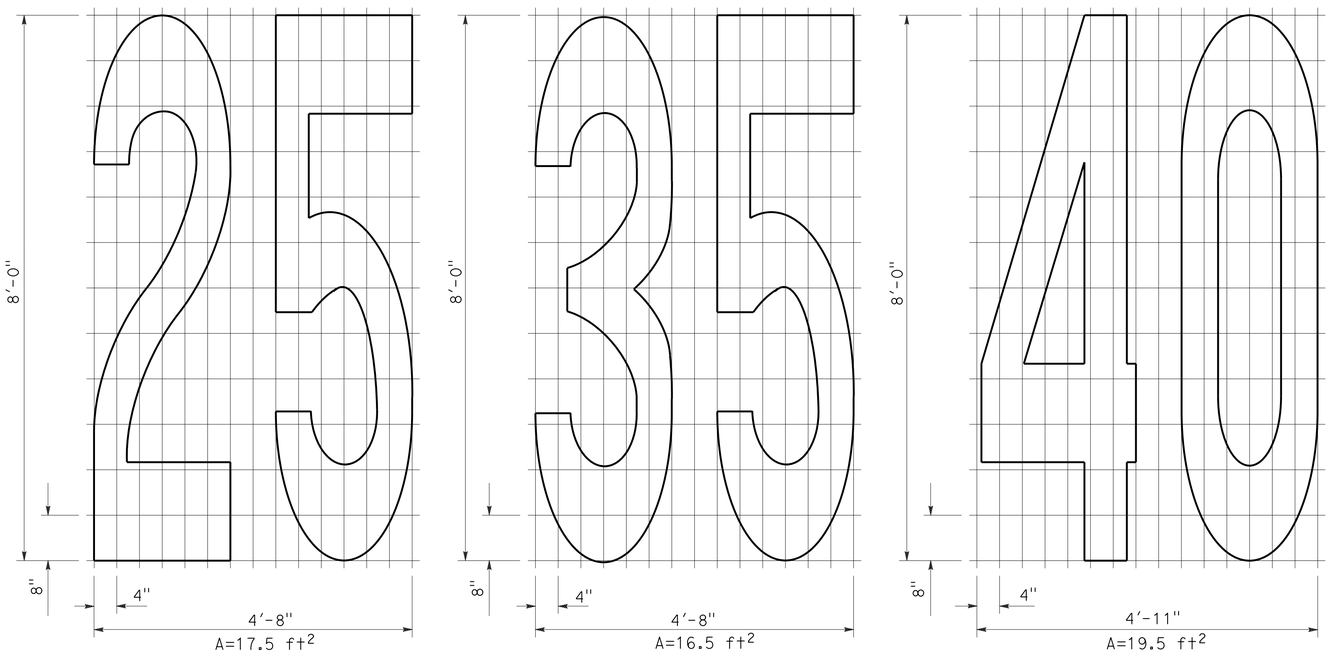
DIAMOND SYMBOL



BICYCLE LOOP DETECTOR SYMBOL



SHARED ROADWAY BICYCLE MARKING



NUMERALS

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS SYMBOLS AND NUMERALS

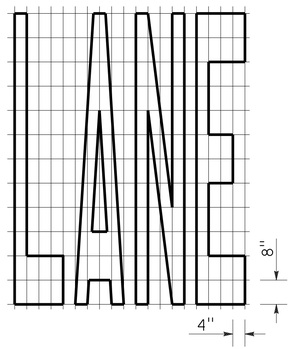
NO SCALE

RSP A24C DATED OCTOBER 19, 2012 SUPERSEDES STANDARD PLAN A24C DATED MAY 20, 2011 - PAGE 15 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A24C

2010 REVISED STANDARD PLAN RSP A24C

6-28-12



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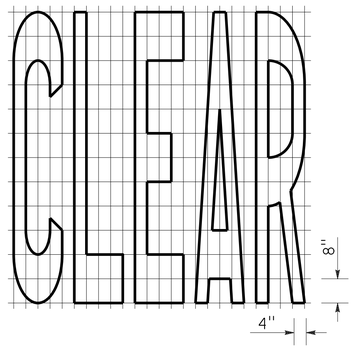

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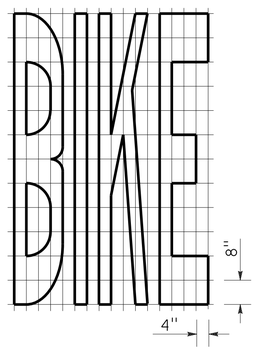

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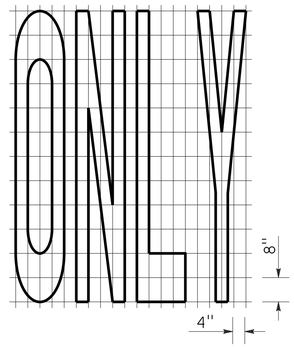

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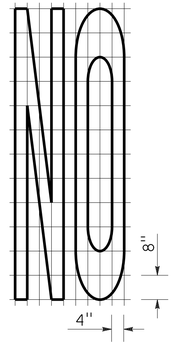

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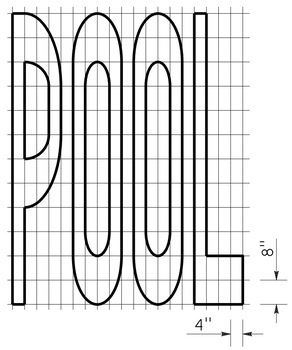

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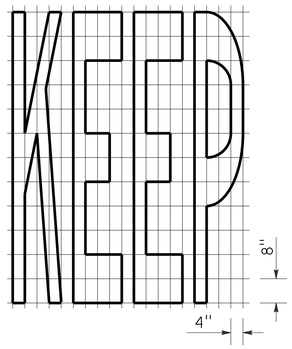

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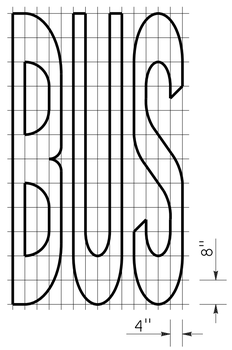
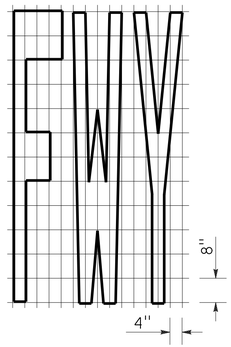
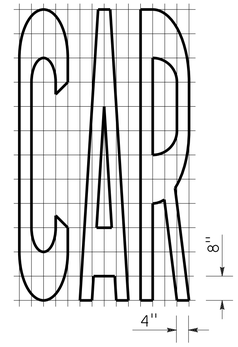


A=20 ft²

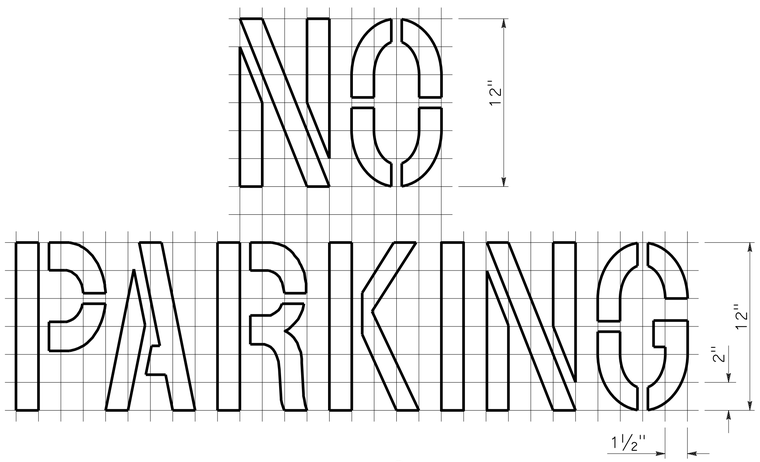


A=16 ft²



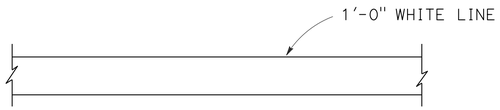
A=17 ft²

WORD MARKINGS			
ITEM	ft²	ITEM	ft²
LANE	24	NO	14
POOL	23	BIKE	21
CAR	17	BUS	20
CLEAR	27	ONLY	22
KEEP	24	FWY	16

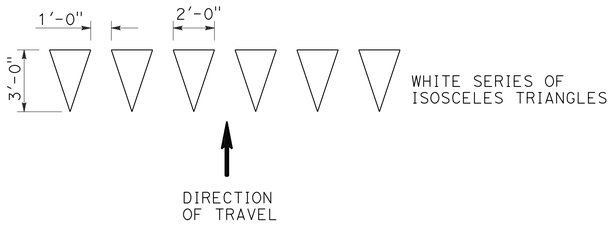


A=2 ft²

See Notes 6 and 7



LIMIT LINE (STOP LINE)



YIELD LINE

NOTES:

1. If a message consists of more than one word, it should read "UP", i.e., the first word should be nearest the driver.
2. The space between words should be at least four times the height of the characters for low speed roads, but not more than ten times the height of the characters. The space may be reduced appropriately where there is limited space because of local conditions.
3. Minor variations in dimensions may be accepted by the Engineer.
4. Portions of a letter, number or symbol may be separated by connecting segments not to exceed 2" in width.
5. The words "NO PARKING" pavement marking is to be used for parking facilities. For typical locations of markings, see Standard Plans A90A and A90B.
6. The words "NO PARKING", shall be painted in white letters no less than 1'-0" high on a contrasting background and located so that it is visible to traffic enforcement officials.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	40	188

Roberta L. McLaughlin
REGISTERED CIVIL ENGINEER

July 20, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Roberta L. McLaughlin
No. C40375
Exp. 3-31-13
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.

TO ACCOMPANY PLANS DATED 6-23-14

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS WORDS, LIMIT AND YIELD LINES

NO SCALE

RSP A24E DATED JULY 20, 2012 SUPERSEDES STANDARD PLAN A24E
DATED MAY 20, 2011 - PAGE 17 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A24E

2010 REVISED STANDARD PLAN RSP A24E

6-12-12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	41	188

Roberta L. McLaughlin
REGISTERED CIVIL ENGINEER

July 20, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Roberta L. McLaughlin
No. C40375
Exp. 3-31-13
CIVIL
STATE OF CALIFORNIA

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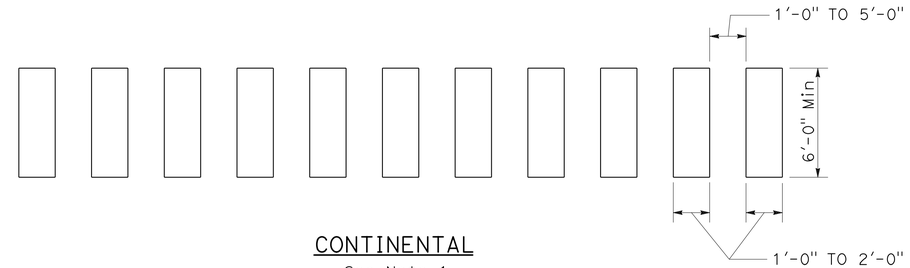
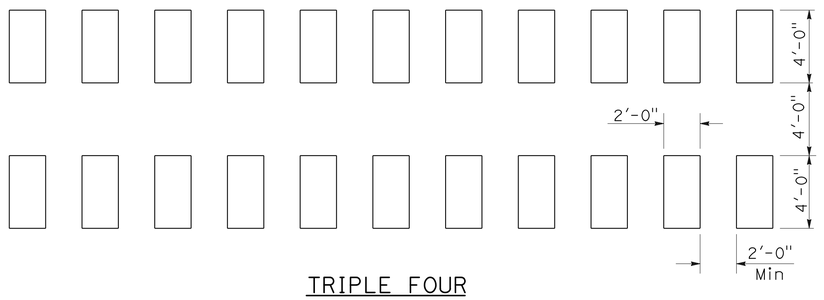
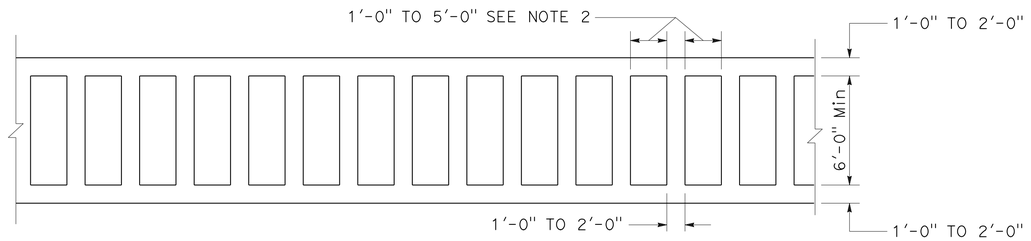
TO ACCOMPANY PLANS DATED 6-23-14



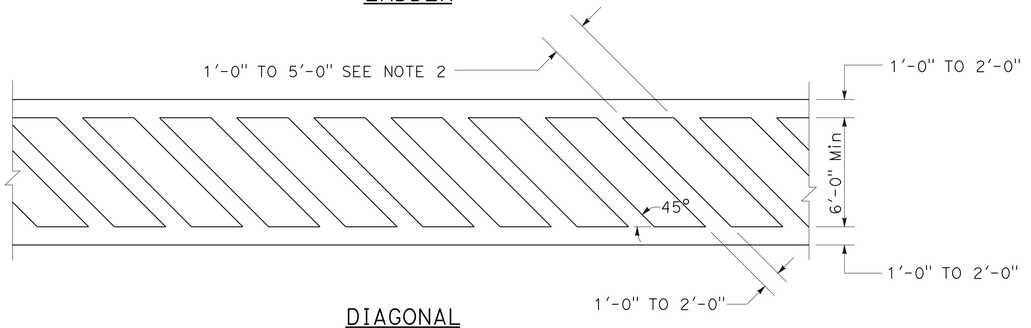
CONTINENTAL
See Note 1



TRIPLE FOUR
See Note 1



LADDER

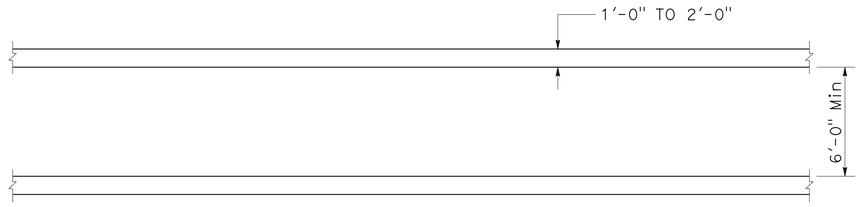


DIAGONAL

HIGHER VISIBILITY CROSSWALKS

NOTES:

1. Spaces between markings should be placed in wheel tracks of each lane.
2. Spacings not to exceed 2.5 times width of longitudinal line.
3. All crosswalk markings must be white except for those near schools must be yellow.



BASIC

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS CROSSWALKS

NO SCALE

RSP A24F DATED JULY 20, 2012 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A24F

2010 REVISED STANDARD PLAN RSP A24F

6-28-12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	42	188

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Randell D. Hiatt — No. C50200 — Exp. 6-30-15 — CIVIL — STATE OF CALIFORNIA

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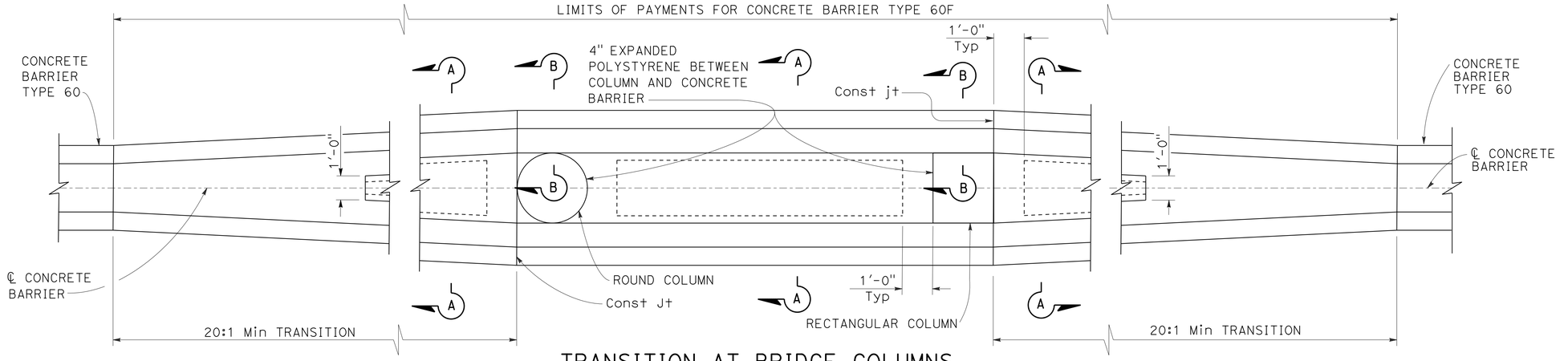
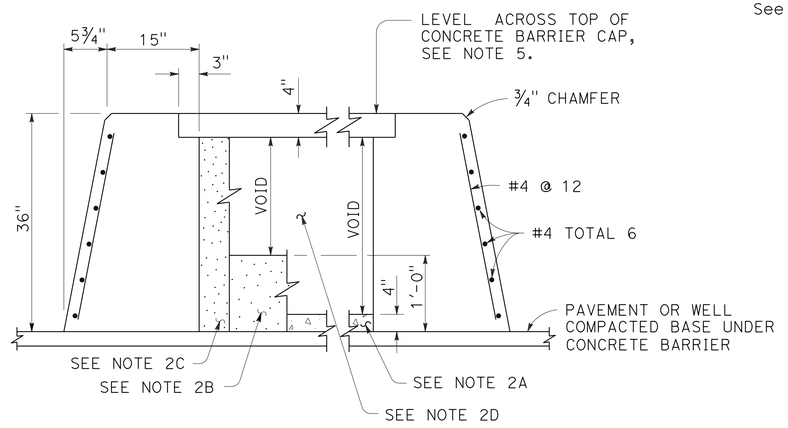
TO ACCOMPANY PLANS DATED 6-23-14

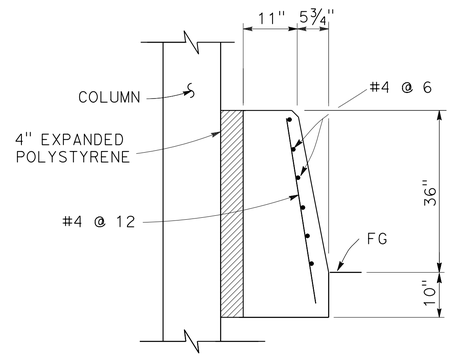


TRANSITION AT BRIDGE COLUMNS

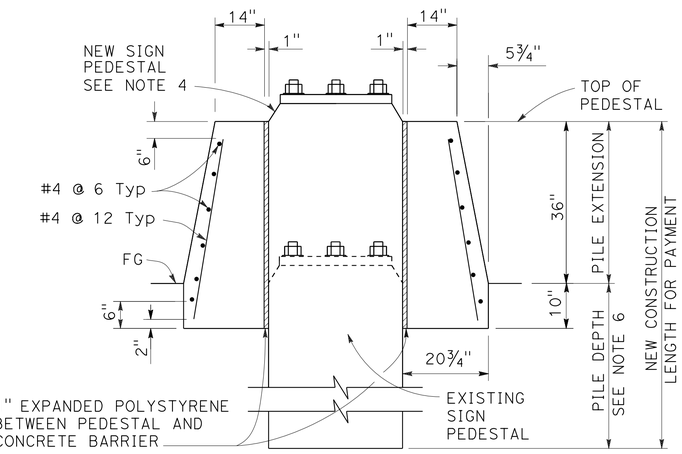
Concrete Barrier Type 60F
See Note 7



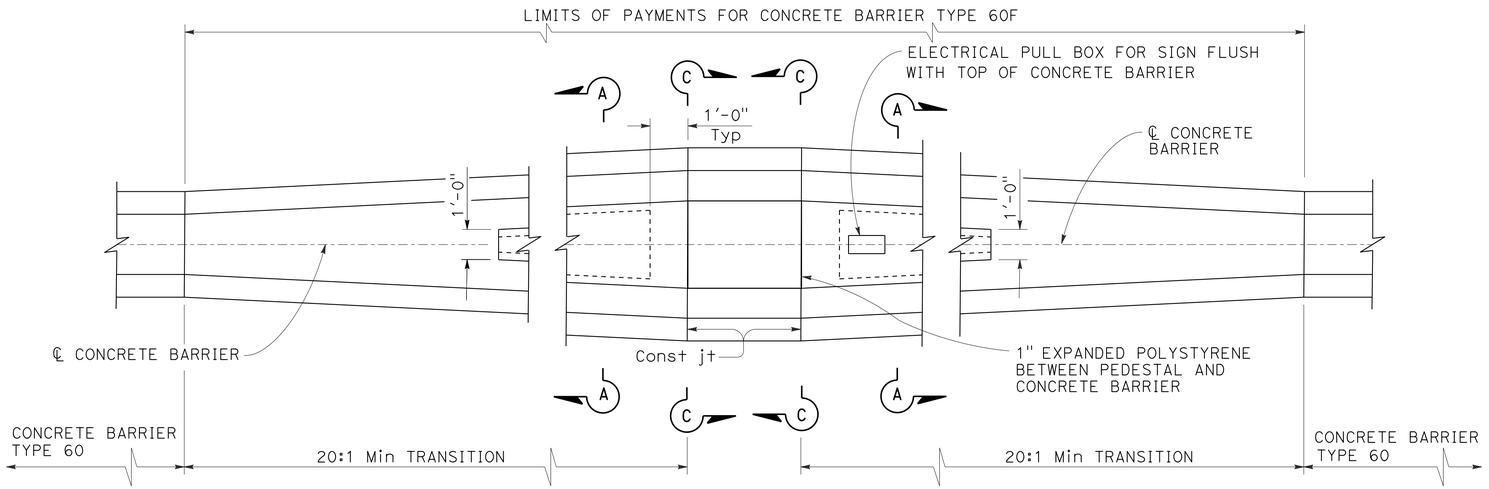
SECTION A-A



SECTION B-B



SECTION C-C



TRANSITION AT SIGN PEDESTAL

Concrete Barrier Type 60F
See Note 7

NOTES:

1. See Standard Plan A76A for Concrete Barrier Type 60.
2. Contractor options for fill between concrete barrier walls:
   A. Place 4" PCC at base between concrete barrier walls.
   B. Place 1'-0" of granular material at base between walls.
   C. Place granular material from base to bottom of 4" cap.
   D. Monolithic concrete with foam blockouts is not permitted.
3. Reinforcing steel shall extend continuous through construction joints.
4. See "Overhead Sign" plans for sign pedestal elevations on new construction.
5. Adjust height of concrete barrier wall on low side of offset or superelevated roadways to provide level grade across top of concrete barrier cap.
6. See Overhead Signs Standard Plan Pile Foundation Tables.
7. All locations with limited shoulder width available for barrier, see Standard Plan A76F for use of Concrette Barrier Type 60GE.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONCRETE BARRIER TYPE 60F

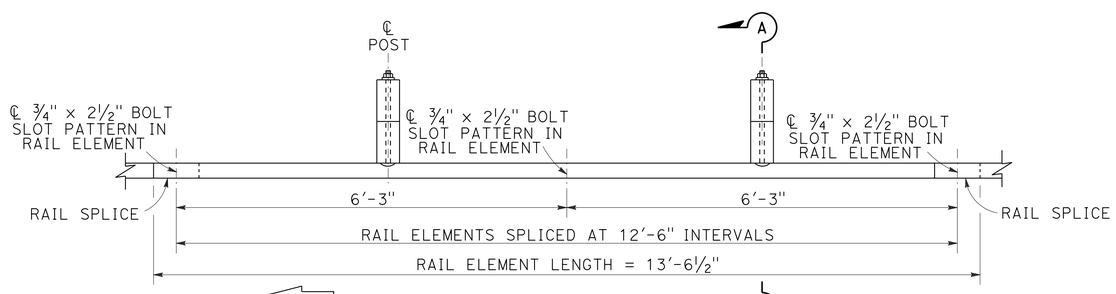
NO SCALE

RSP A76C DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN A76C
DATED MAY 20, 2011 - PAGE 36 OF THE STANDARD PLANS BOOK DATED 2010.

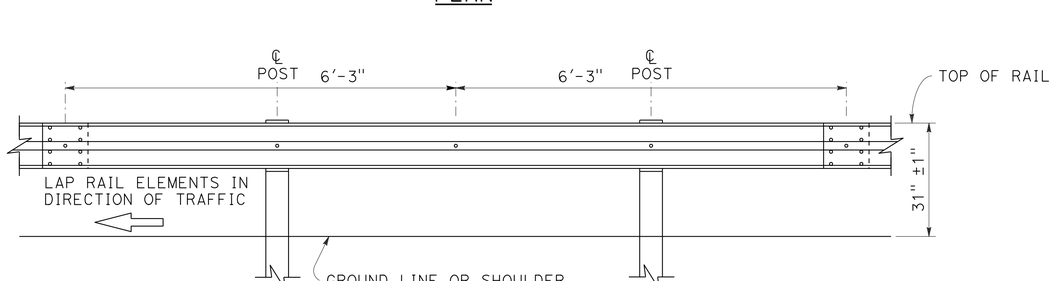
REVISED STANDARD PLAN RSP A76C

2010 REVISED STANDARD PLAN RSP A76C

7-3-13

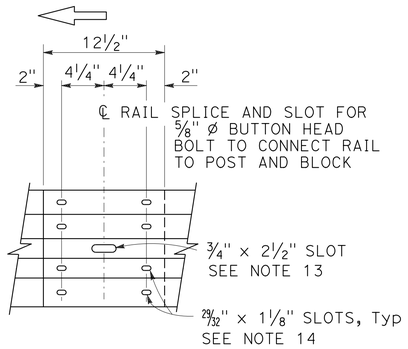


PLAN



ELEVATION

MIDWEST GUARDRAIL SYSTEM WITH WOOD POST AND BLOCKS



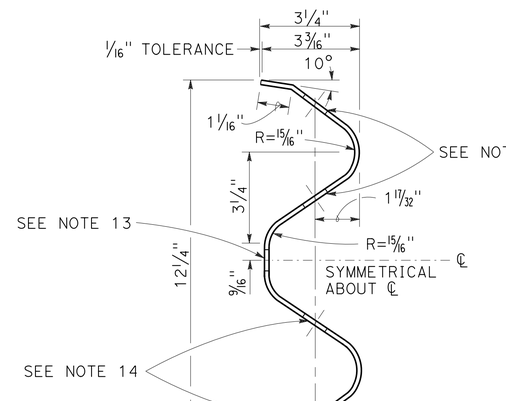
ELEVATION

RAIL ELEMENT SPLICE DETAIL

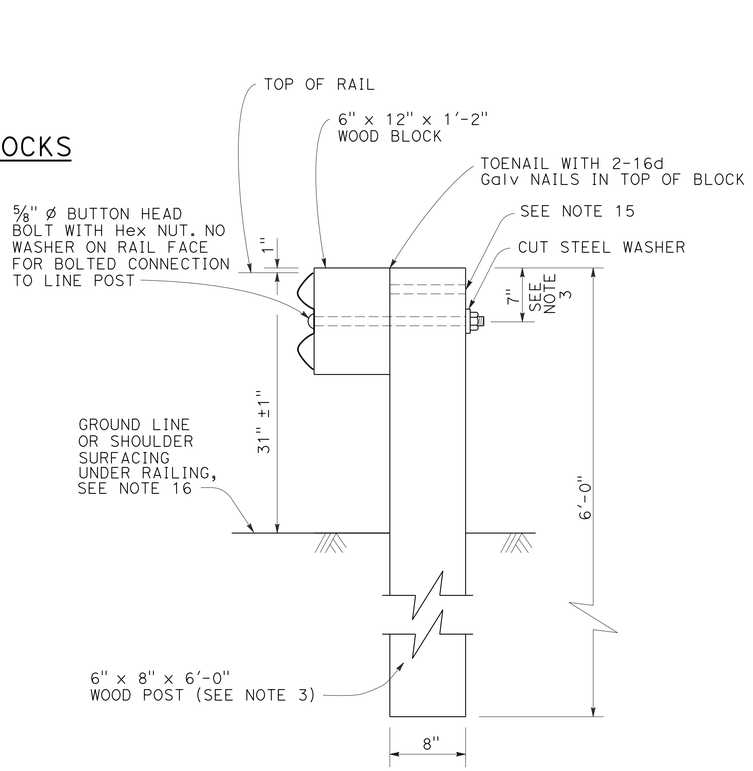
a) Connect the over lapped end of the rail elements with ⅝" Ø x 1⅜" button head oval shoulder splice bolts inserted into the 29/32" x 1⅛" slots and bolted together with ⅝" Ø recessed hex nuts. Recess of hex nut points toward rail element. A total of 8 bolts and nuts are to be used at each rail splice connection.

b) The ends of the rail elements are to be overlapped in the direction of traffic (see details).

c) Where end cap is to be attached to the end of a rail element, a total of 4 of the above described splice bolts and nuts are to be used.



SECTION THRU RAIL ELEMENT



SECTION A-A

TYPICAL WOOD LINE POST INSTALLATION

See Note 4

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	43	188

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Randell D. Hiatt No. C50200 Exp. 6-30-15 CIVIL — STATE OF CALIFORNIA

TO ACCOMPANY PLANS DATED 6-23-14

NOTES:

1. For details of steel post installations, see Revised Standard Plan RSP A77L2.
2. For details of standard hardware used to construct MGS, see Revised Standard Plan RSP A77M1.
3. For details of wood posts and wood blocks used to construct MGS, see Revised Standard Plan RSP A77N1.
4. For additional installation details, see Revised Standard Plan RSP A77N3.
5. MGS post spacing to be 6'-3" center to center, except as otherwise noted.
6. For MGS typical layouts, see the A77P, A77Q and A77R Series of Standard Plans.
7. If railing is connected to terminal system end treatment, use 31" height terminal system end treatment.
8. For MGS end anchor details, see Revised Standard Plans RSP A77S1 and RSP A77T2.
9. For details of MGS transition to bridge railing, see Revised Standard Plan RSP A77U4.
10. For additional details of MSG connection to bridge railing, see Revised Standard Plans RSP A77U1, RSP A77U2 and RSP A77V1.
11. For MGS connection details to abutments and walls, see Revised Standard Plan RSP A77U3.
12. For typical MGS delineation and dike positioning details, see Revised Standard Plan RSP A77N4.
13. Slotted hole for bolted connection of rail element to block and post. See "Section Thru Rail Element".
14. Slotted holes for splice bolts to overlap ends of rail element. See "Section Thru Rail Element".
15. Additional hole in uppermost portion of line post is for potential future adjustments of railing height. See Revised Standard Plan RSP A77N1.
16. Install posts in soil.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

MIDWEST GUARDRAIL SYSTEM STANDARD RAILING SECTION (WOOD POST WITH WOOD BLOCK)

NO SCALE

RSP A77L1 DATED JULY 19, 2013 SUPPLEMENTS STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A77L1

2010 REVISED STANDARD PLAN RSP A77L1

7-3-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	44	188

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-15
CIVIL
STATE OF CALIFORNIA

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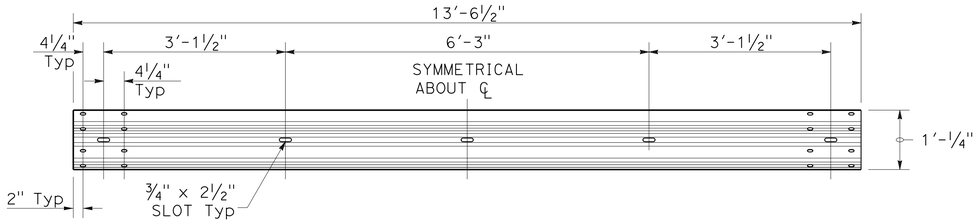
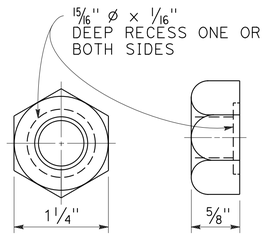
TO ACCOMPANY PLANS DATED 6-23-14



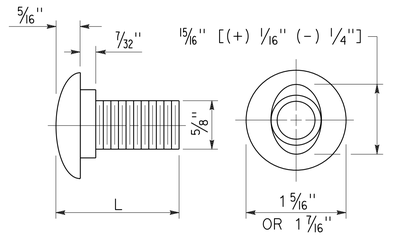
TYPICAL RAIL ELEMENT

NOTE:

1. Slotted holes for splice bolts to overlap ends of rail element.



⅝" ø RECESS NUT

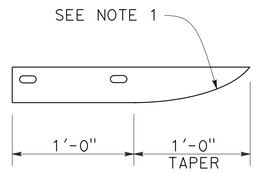


⅝" ø BUTTON HEAD BOLT

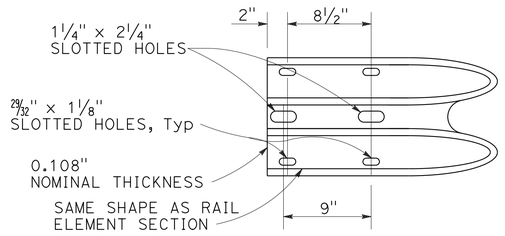
BUTTON HEAD BOLT

L	THREAD LENGTH
1⅜"	FULL THREAD LENGTH
2"	FULL THREAD LENGTH
10"	4" Min THREAD LENGTH
18"	4" Min THREAD LENGTH
20"	4" Min THREAD LENGTH
22"	4" Min THREAD LENGTH
26"	4" Min THREAD LENGTH
36"	4" Min THREAD LENGTH
** 2¾"	2" Min THREAD LENGTH
** 19"	4" Min THREAD LENGTH

** For nested rail applications.



PLAN



ELEVATION

END CAP (TYPE A)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

MIDWEST GUARDRAIL SYSTEM STANDARD HARDWARE

NO SCALE

RSP A77M1 DATED JULY 19, 2013 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A77M1

2010 REVISED STANDARD PLAN RSP A77M1

7-3-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	45	188

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-15
CIVIL
STATE OF CALIFORNIA

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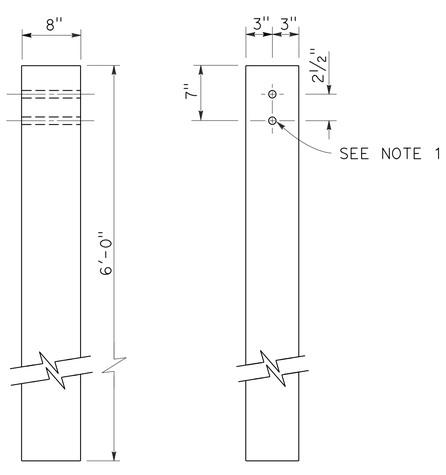
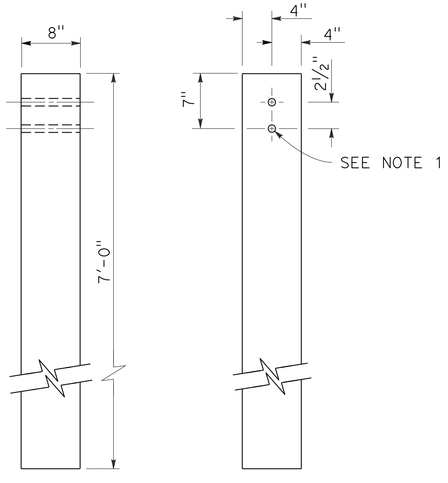
TO ACCOMPANY PLANS DATED 6-23-14



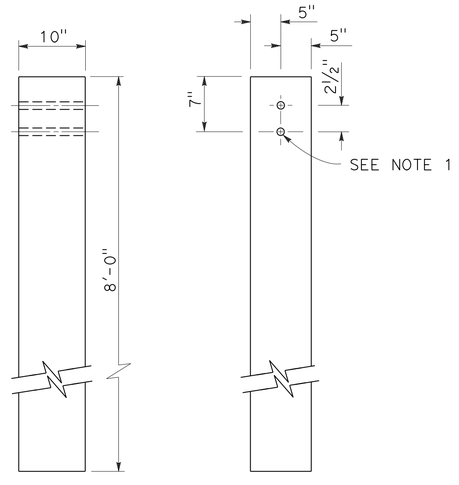
SIDE FRONT

6" x 8" WOOD POST
See Note 3



SIDE FRONT

8" x 8" WOOD POST
See Note 4

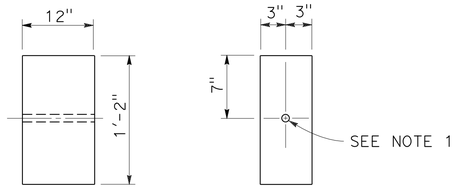


SIDE FRONT

10" x 10" WOOD POST
See Note 5

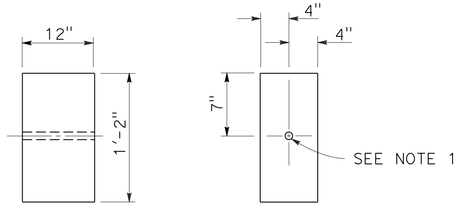
NOTES:

1. All holes in wood posts and blocks shall be ¾" Dia ± 1/16".
2. Dimensions shown for wood post are nominal.
3. This post and block combination used for standard line post sections of MGS.
4. This post and 8" x 12" block combination used for line post sections of MGS on narrow roadways.
5. This post and 8" x 12" block combination is typically used where strengthened line post sections of MGS are warranted to shield fixed objects.
6. See Revised Standard Plan RSP A77L3 for use of 6" x 8" and 8" x 8" wood blocks.



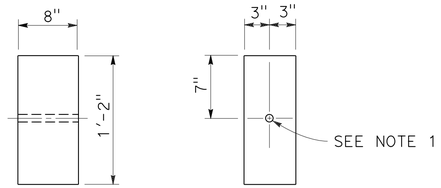
SIDE FRONT

6" x 12" WOOD BLOCK
See Note 3



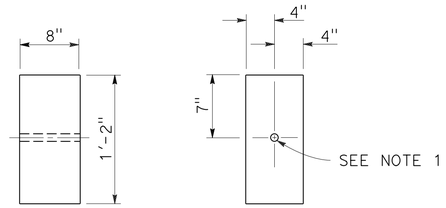
SIDE FRONT

8" x 12" WOOD BLOCK



SIDE FRONT

6" x 8" WOOD BLOCK
Only for use with metal beam guard rail see Note 6



SIDE FRONT

8" x 8" WOOD BLOCK
Only for use with metal beam guard rail see Note 6

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

MIDWEST GUARDRAIL SYSTEM WOOD POST AND WOOD BLOCK DETAILS

NO SCALE

RSP A77N1 DATED JULY 19, 2013 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A77N1

2010 REVISED STANDARD PLAN RSP A77N1

7-3-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	46	188

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

November 15, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Randell D. Hiatt — No. C50200 — Exp. 6-30-15 — CIVIL — STATE OF CALIFORNIA

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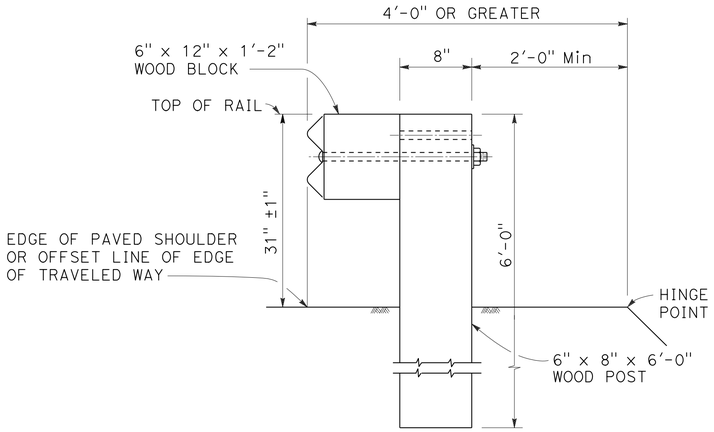
TO ACCOMPANY PLANS DATED 6-23-14

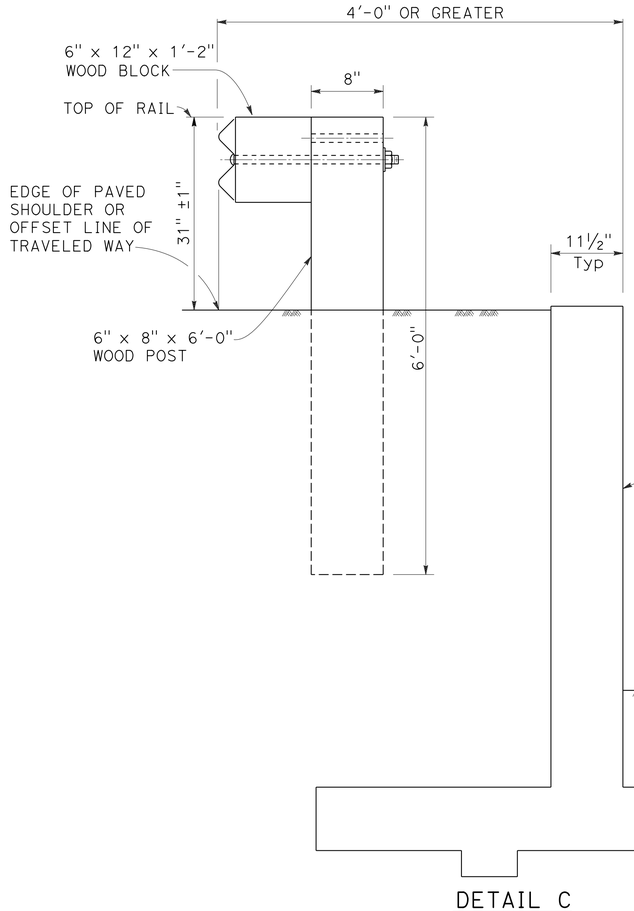
2010 REVISED STANDARD PLAN RSP A77N3



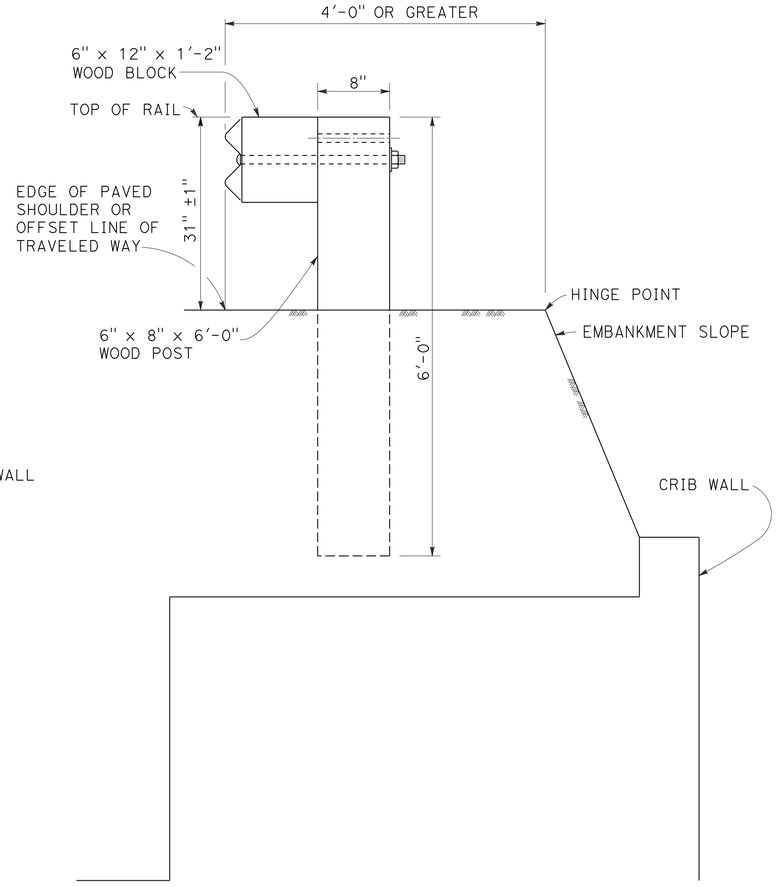
DETAIL A

TYPICAL ROADWAY INSTALLATION

See Note 1



DETAIL C



DETAIL D

DETAIL B

NARROW ROADWAY INSTALLATION

See Note 1

POST EMBEDMENT

INSTALLATION AT EARTH RETAINING WALLS

NOTES:

1. These installation details also applicable to steel line post installations. For Detail A, C, and D, where steel line post installations are constructed, W6 x 8.5 or W6 x 9 steel post, 6'-0" in length, with 6" x 12" x 1'-2" notched wood blocks or notched recycled plastic blocks are to be used in place of the size of wood post and wood block shown. For Detail B, where steel line post installations are constructed, W6 x 15 steel post, 8'-0" in length, with 8" x 12" x 1'-2" notched wood blocks or notched recycled plastic blocks are to be used in place of the size of wood post and wood block shown. For additional installation details, see Revised Standard Plan RSP A77L1 and RSP A77L2.
2. Where the distance between the face of the rail and the hinge point is less than 2'-6", see the Project Plans for special details.
3. For dike positioning with MGS installations, see Revised Standard Plan RSP A77N4.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

MIDWEST GUARDRAIL SYSTEM TYPICAL LINE POST EMBEDMENT AND HINGE POINT OFFSET DETAILS

NO SCALE

RSP A77N3 DATED NOVEMBER 15, 2013 SUPERSEDES RSP A77N3
DATED JULY 19, 2013 THAT SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A77N3

10-29-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	47	188

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

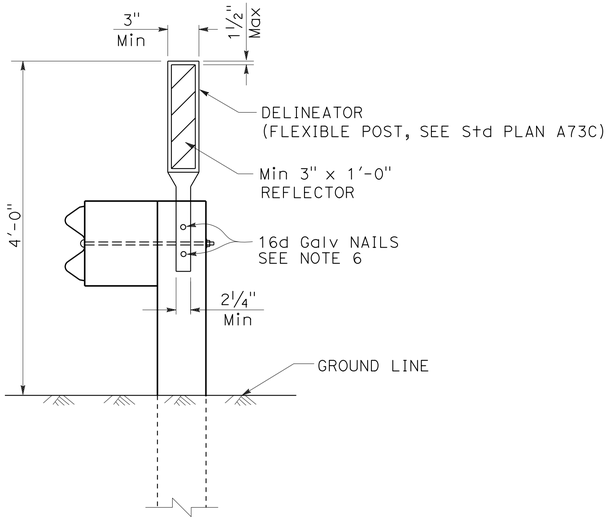
July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-15
CIVIL
STATE OF CALIFORNIA

TO ACCOMPANY PLANS DATED 6-23-14

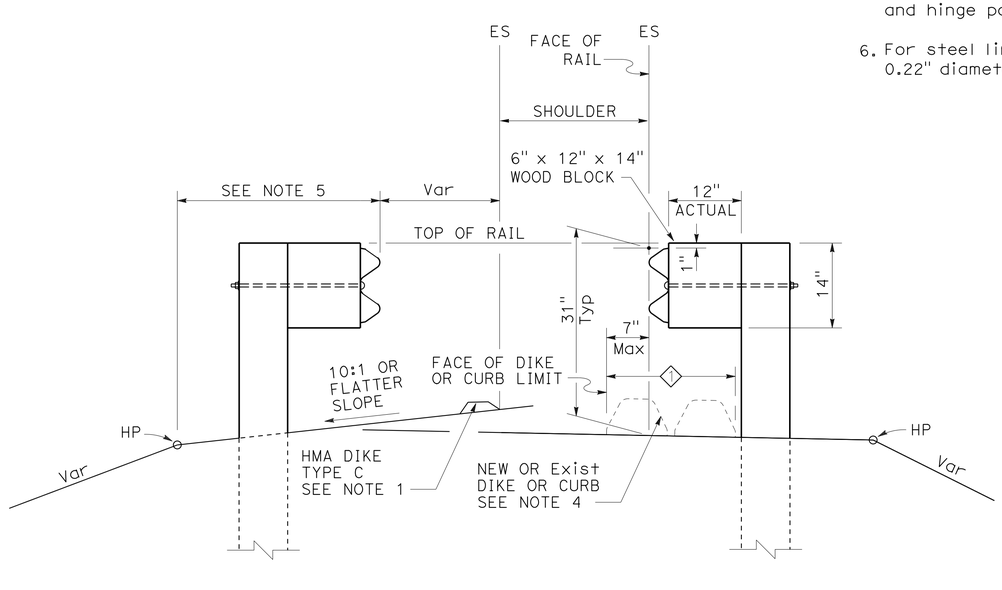
NOTES:

1. When necessary to place dike more than 7" in front of face of MGS, only Type C dike may be used. For dike details, see Revised Standard Plan RSP A87B.
2. For standard railing post embedment, see Revised Standard Plan RSP A77N3.
3. MGS delineation to be used where shown on the Project Plans.
4. When dike or curb is placed under MGS, the maximum height of the dike or curb shall be 6". Mountable dike should not be used. For dike and curb details, see Revised Standard Plans RSP A87A and RSP A87B.
5. For details of typical distance between the face of rail and hinge point, see Revised Standard Plan RSP A77N3.
6. For steel line posts, use 1/4 - 20 self-tapping screws in 0.22" diameter holes or 1/4" bolts in 9/32" diameter holes.



MGS DELINEATION

See Note 3



DIKE POSITIONING

See Note 1

① PERMISSIBLE DIKE OR CURB PLACEMENT AREA

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

MIDWEST GUARDRAIL SYSTEM TYPICAL RAILING DELINEATION AND DIKE POSITIONING DETAILS

NO SCALE

RSP A77N4 DATED JULY 19, 2013 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A77N4

2010 REVISED STANDARD PLAN RSP A77N4

7-10-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	48	188

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
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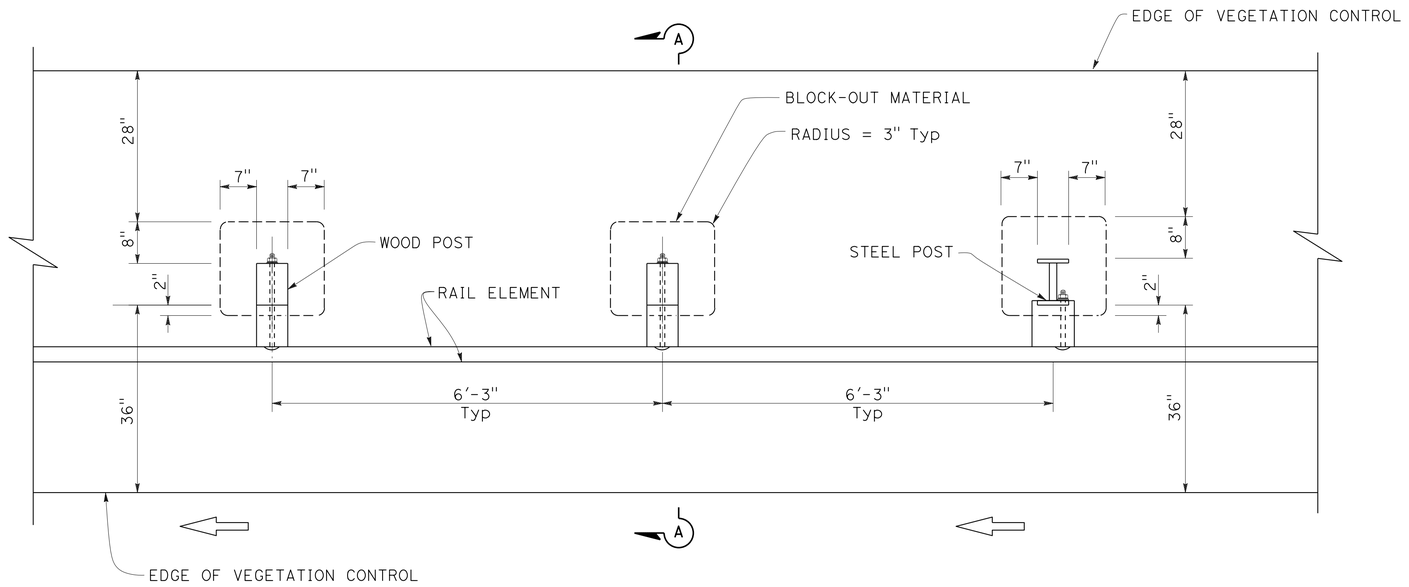
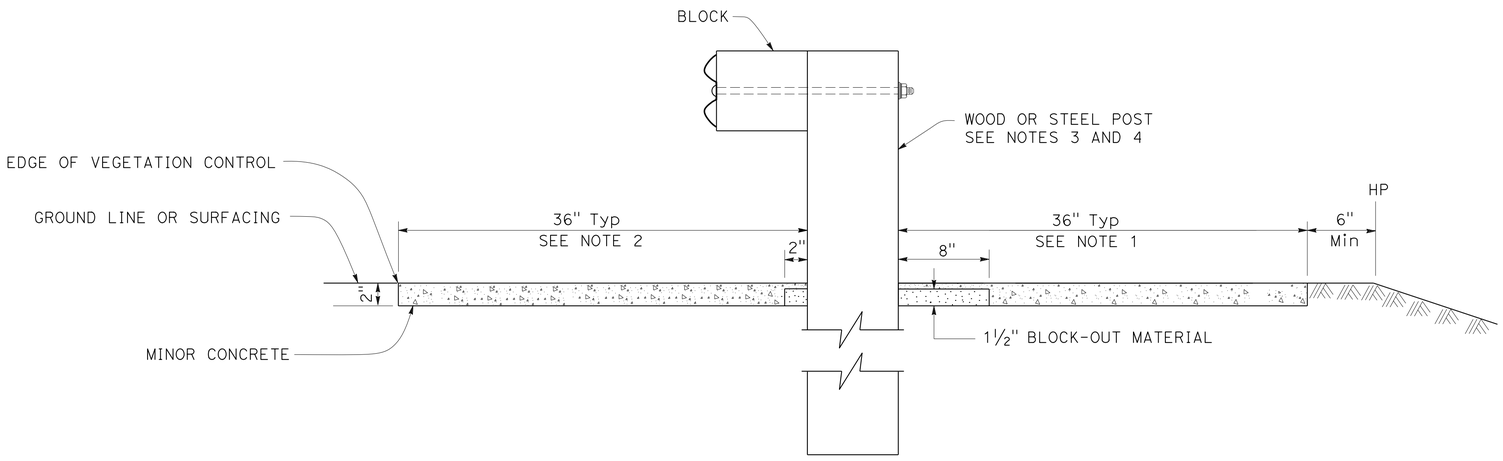


PLAN



SECTION A-A

NOTES:

1. Where the distance between back of post and hinge point is less than 42", construct vegetation control to 6" from hinge point while maintaining the 8" block-out at back of post. If the 8" block-out at back of post can not be maintained, construct vegetation control flush with the back edge of post.
2. Where dike is constructed under railing, construct vegetation control to back edge of dike. Where paved shoulder is constructed within 36" in front of the post, construct vegetation control to the edge of paved shoulder.
3. For wood post sizes, see Revised Standard Plan RSP A77N1.
4. For steel post sizes, see Revised Standard Plan RSP A77N2.
5. For details not shown, see Revised Standard Plans RSP A77L1 and RSP A77L2.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

MIDWEST GUARDRAIL SYSTEM
TYPICAL VEGETATION CONTROL
STANDARD RAILING SECTION

NO SCALE

RSP A77N5 DATED JULY 19, 2013 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A77N5

2010 REVISED STANDARD PLAN RSP A77N5

7-3-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	49	188

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

July 19, 2013
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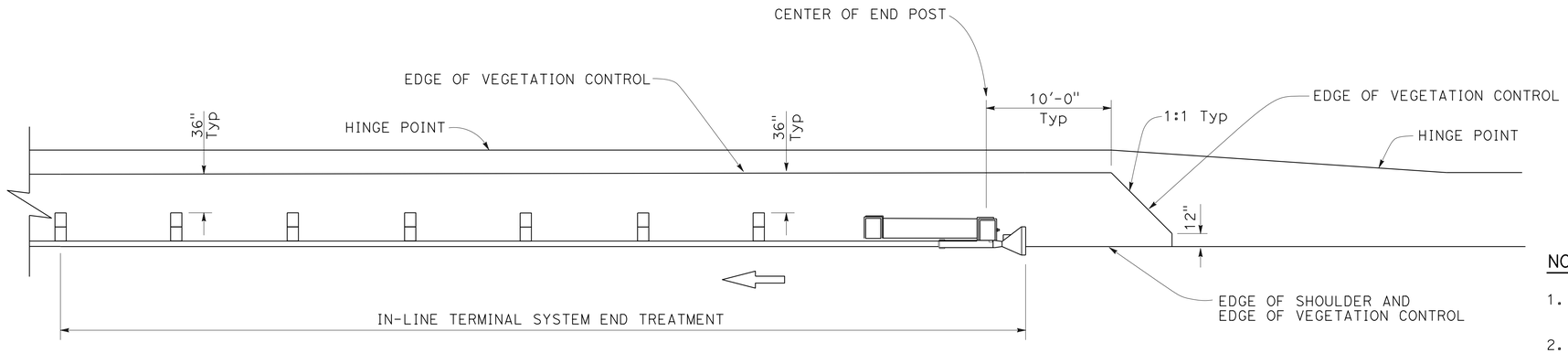
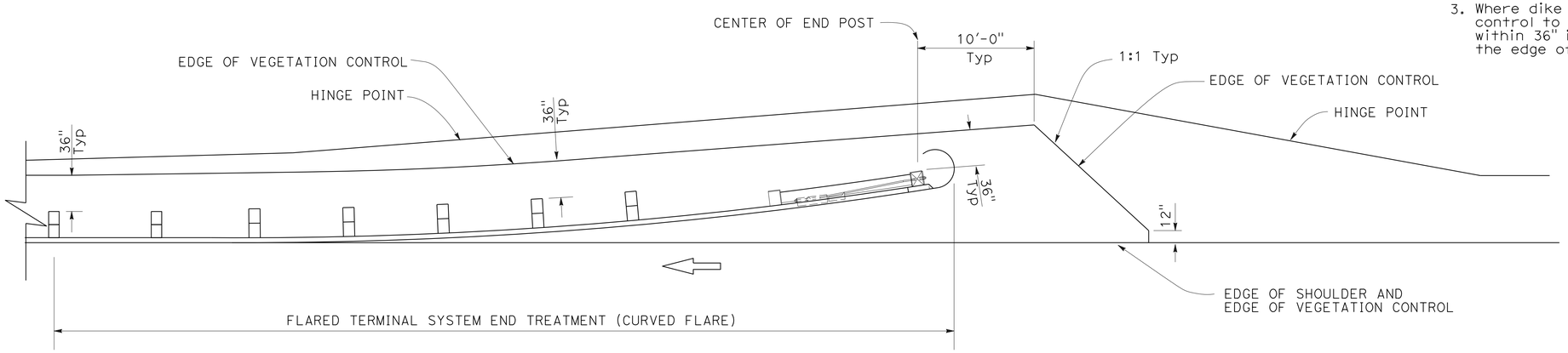
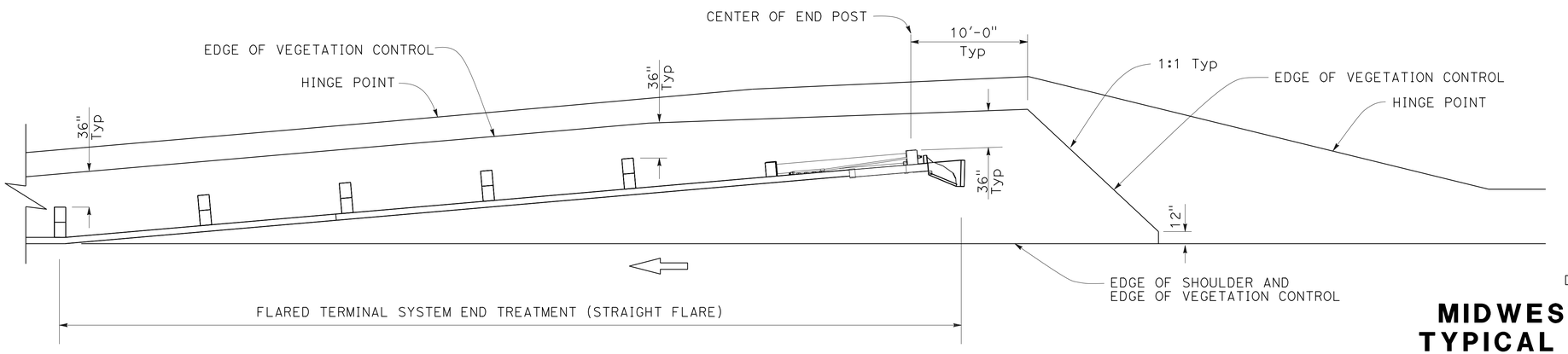
TO ACCOMPANY PLANS DATED 6-23-14



PLAN



PLAN



PLAN

NOTES:

1. See Revised Standard Plan RSP A77N5 for additional vegetation control details.
2. Where the distance between back of post and hinge point is less than 42", construct vegetation control to 6" from hinge point while maintaining the 8" block-out at back of post. If the 8" block-out at back of post can not be maintained, construct vegetation control flush with the back edge of post.
3. Where dike is constructed under railing, construct vegetation control to back edge of dike. Where paved shoulder is constructed within 36" in front of the post, construct vegetation control to the edge of paved shoulder.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

MIDWEST GUARDRAIL SYSTEM TYPICAL VEGETATION CONTROL FOR TERMINAL SYSTEM END TREATMENTS

NO SCALE

RSP A77N6 DATED JULY 19, 2013 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A77N6

2010 REVISED STANDARD PLAN RSP A77N6

6-12-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	50	188

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

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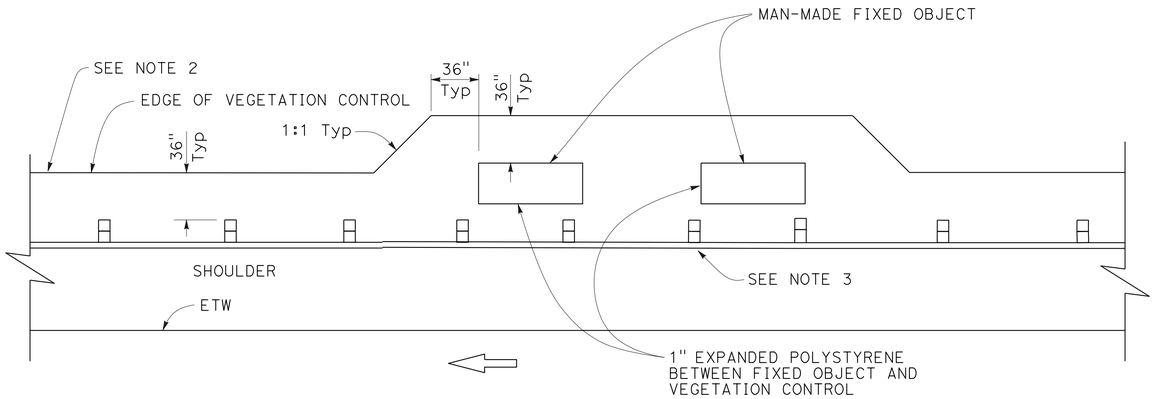
Randell D. Hiatt
No. C50200
Exp. 6-30-15
CIVIL
STATE OF CALIFORNIA

TO ACCOMPANY PLANS DATED 6-23-14

NOTES:

1. See Revised Standard Plan RSP A77N5 for additional vegetation control details.
2. Where the distance between back of post and hinge point is less than 42", construct vegetation control to 6" from hinge point while maintaining the 8" block-out at back of post. If the 8" block-out at back of post can not be maintained, construct vegetation control flush with the back edge of post.
3. Where dike is constructed under railing, construct vegetation control to back edge of dike. Where paved shoulder is constructed within 36" in front of the post, construct vegetation control to the edge of paved shoulder.



PLAN

Fixed object(s) on shoulder

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

MIDWEST GUARDRAIL SYSTEM
TYPICAL VEGETATION CONTROL AT FIXED OBJECT

NO SCALE

RSP A77N8 DATED JULY 19, 2013 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A77N8

2010 REVISED STANDARD PLAN RSP A77N8

6-12-13

NOTES:

1. See Revised Standard Plan RSP A77N5 for additional vegetation control details.
2. Where dike is constructed under railing, construct vegetation control to back edge of dike. Where paved shoulder is constructed within 36" in front of the post, construct vegetation control to the edge of paved shoulder.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	51	188

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Randell D. Hiatt — No. C50200 — Exp. 6-30-15 — CIVIL — STATE OF CALIFORNIA

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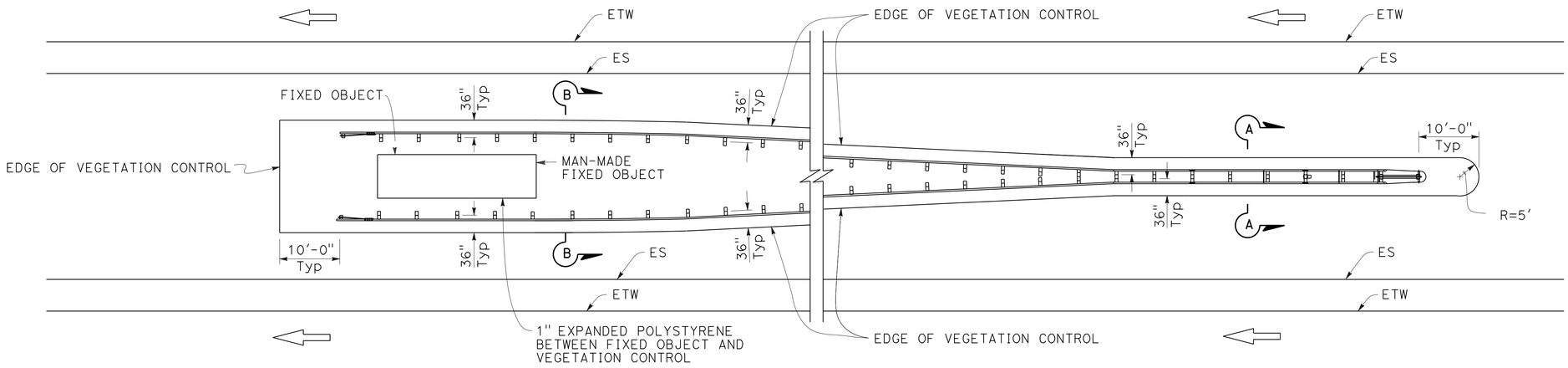
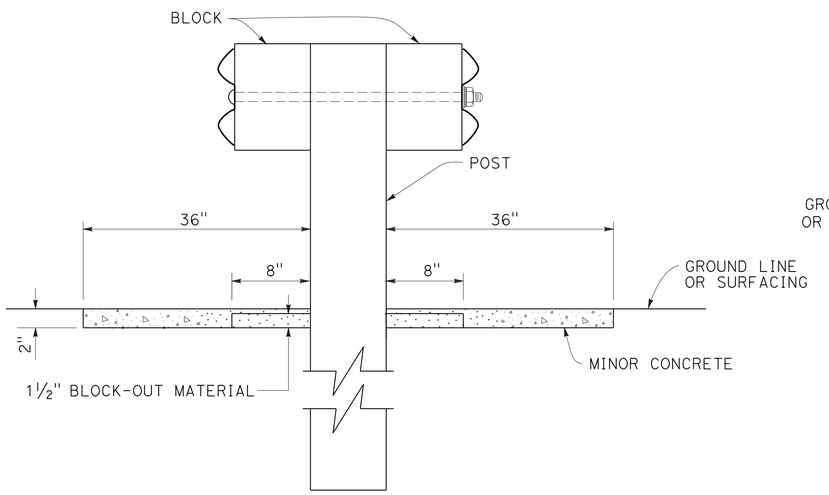
TO ACCOMPANY PLANS DATED 6-23-14

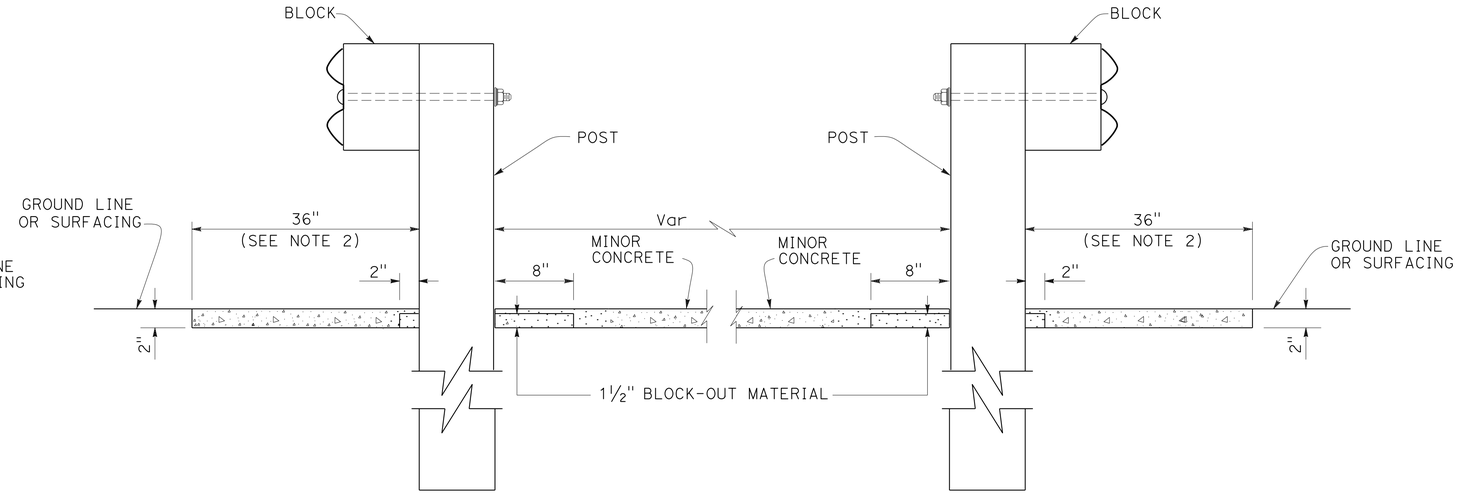


PLAN

Fixed object(s) between separate roadbeds
(One-Way Traffic)



SECTION A-A



SECTION B-B

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

MIDWEST GUARDRAIL SYSTEM TYPICAL VEGETATION CONTROL AT FIXED OBJECT

NO SCALE

RSP A77N10 DATED JULY 19, 2013 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A77N10

2010 REVISED STANDARD PLAN RSP A77N10

6-12-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	52	188

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

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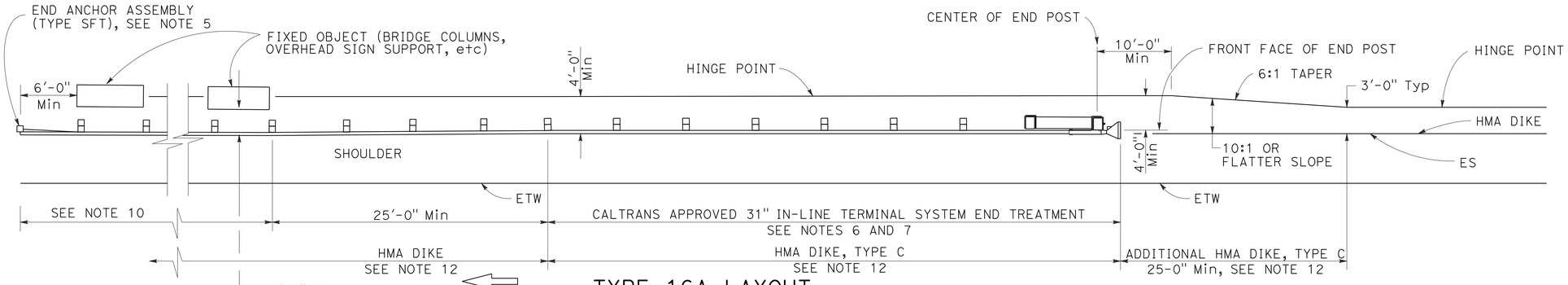
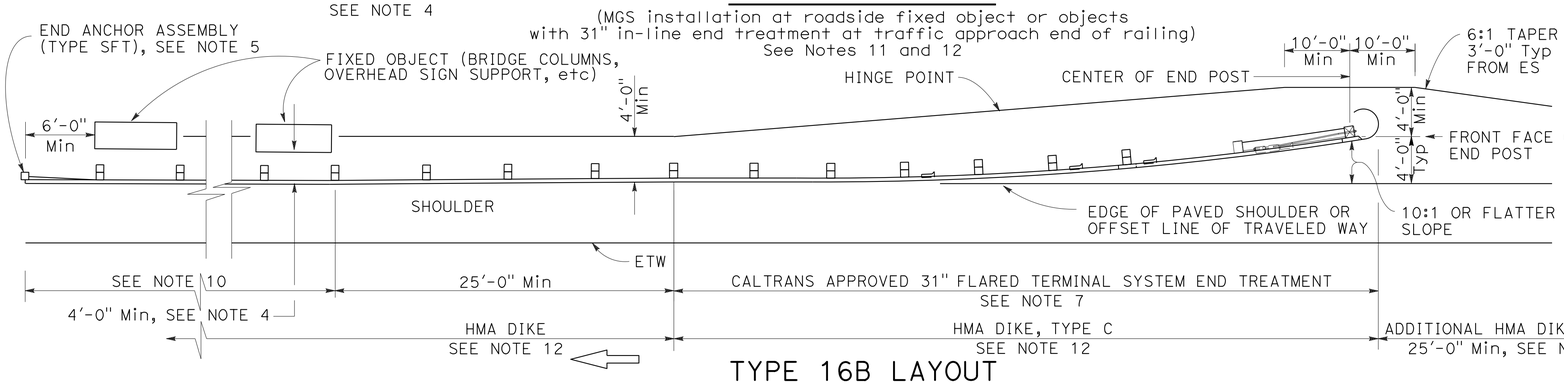
TO ACCOMPANY PLANS DATED 6-23-14



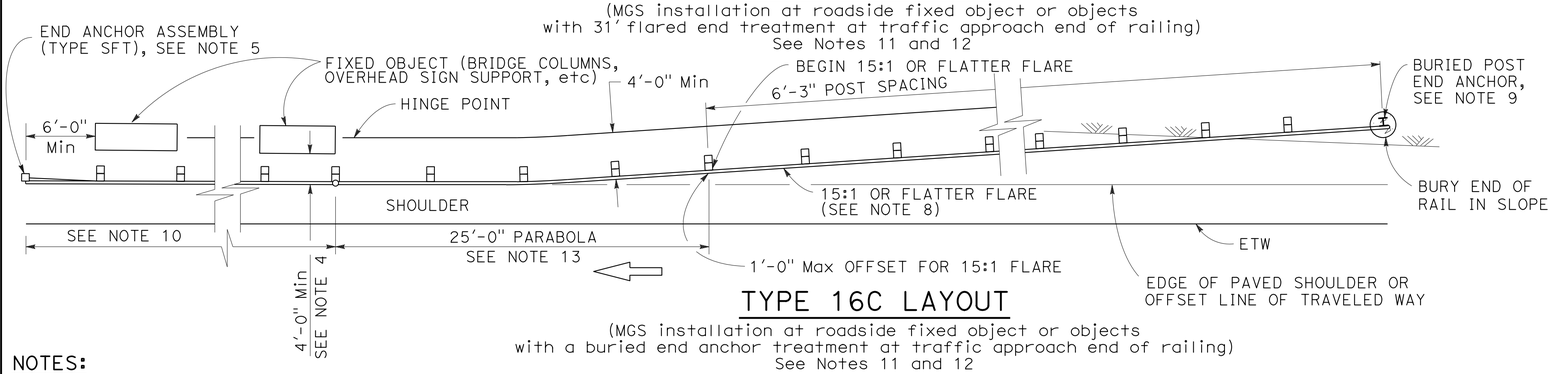
TYPE 16A LAYOUT

(MGS installation at roadside fixed object or objects with 31" in-line end treatment at traffic approach end of railing)
See Notes 11 and 12



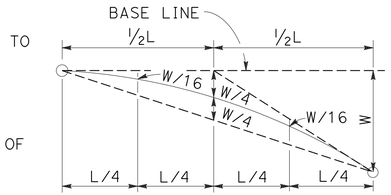
TYPE 16B LAYOUT

(MGS installation at roadside fixed object or objects with 31' flared end treatment at traffic approach end of railing)
See Notes 11 and 12



TYPE 16C LAYOUT

(MGS installation at roadside fixed object or objects with a buried end anchor treatment at traffic approach end of railing)
See Notes 11 and 12



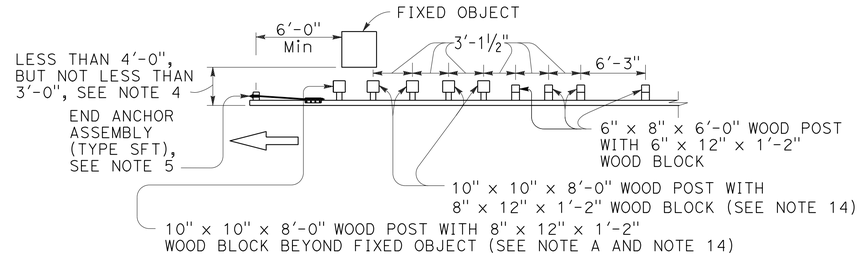
TYPICAL PARABOLIC LAYOUT

BASE LINE (EDGE OF PAVED SHOULDER OR OFFSET LINE OF EDGE OF TRAVELED WAY)

$$Y = \frac{WX^2}{L^2}$$

Y = OFFSET FROM BASE LINE
W = MAXIMUM OFFSET
X = DISTANCE ALONG BASE LINE
L = LENGTH OF FLARE

PARABOLIC FLARE OFFSETS



NOTE A: For a series of fixed objects (bridge columns, overhead sign supports, etc.) additional 10" x 10" x 8'-0" wood post with 8" x 12" x 1'-2" wood blocks at 3'-1½" center to center spacing are to be used between fixed objects.

STRENGTHENED MIDWEST GUARDRAIL SYSTEM SECTIONS FOR FIXED OBJECT

Use strengthened MGS sections with Types 16A, 16B or 16C layouts where minimum clearance between the face of the railing and fixed object(s) is less than 4'-0", but not less than 3'-0". See Note 4

NOTES:

1. Line post, blocks and hardware to be used are shown on Revised Standard Plans RSP A77L1, RSP A77L2, RSP A77M1, RSP A77N1 and RSP A77N2.
2. MGS post spacing to be 6'-3" center to center, except as otherwise noted.
3. Except as noted, line posts are 6" x 8" x 6'-0" wood with 6" x 12" x 1'-2" wood blocks. W6 x 8.5 or W6 x 9 steel posts, 6'-0" in length, with 6" x 12" x 1'-2" notched wood blocks or notched recycled plastic blocks may be used for 6" x 8" x 6'-0" wood line posts with 6" x 12" x 1'-2" wood blocks where applicable and when specified.
4. A 4'-0" minimum clearance is required between the face of the railing and the face of a fixed object located directly behind MGS sections with post spacing of 6'-3". Construct MGS as shown in the detail "Strengthened Midwest Guardrail System Sections for Fixed Object" on this plan, where the clearance between the face of the railing and the face of a fixed object is less than 4'-0", but not less than 3'-0". Where the clearance is less than 3'-0", a concrete wall or barrier should be constructed to shield the fixed object(s).
5. For End Anchor Assembly (Type SFT) details, see Revised Standard Plan RSP A77S1.
6. 31" in-line terminal system end treatments are used where site conditions will not accommodate a 31" flared end treatment.
7. The type of 31" terminal system to be used will be shown on the Project Plans.
8. The 15:1 or flatter flare used with Type 16C Layout is based on the edge of the paved shoulder or offset line of edge of the traveled way. The length of MGS within the 15:1 or flatter flare is based on site conditions and should be a length equal to multiples of 12'-6".
9. For details of the Buried Post End Anchor used with Type 16C Layout, see Revised Standard Plan RSP A77T2.
10. As site conditions dictate, construct additional MGS to shield fixed object(s). Additional MGS length equal to multiples of 12'-6". Post spacing at 6'-3" except as specified in Note 4.
11. Layout Types 16A, 16B or 16C are typically used where MGS is recommended to shield roadside fixed object(s) and a crashworthy 31" end treatment is required for only one direction of traffic.
12. Where placement of dike is required with MGS, see Revised Standard Plan RSP A77N4 for dike positioning details.
13. For typical flare offsets for 25'-0" length parabola with maximum offset of 1'-0", see Revised Standard Plan RSP A77P1.
14. W6 x 15 steel post, 8'-0" in length, with 8" x 12" x 1'-2" notched wood block or notched recycled plastic blocks may be used in place of the 10" x 10" x 8'-0" wood post with 8" x 12" x 1'-2" wood block shown in the detail "Strengthened Midwest Guardrail System Sections for Fixed Object".

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

MIDWEST GUARDRAIL SYSTEM TYPICAL LAYOUTS FOR ROADSIDE FIXED OBJECTS

NO SCALE

RSP A77R3 DATED JULY 19, 2013 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A77R3

2010 REVISED STANDARD PLAN RSP A77R3

6-20-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	53	188

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

November 15, 2013
PLANS APPROVAL DATE

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Randell D. Hiatt
No. C50200
Exp. 6-30-15
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STATE OF CALIFORNIA

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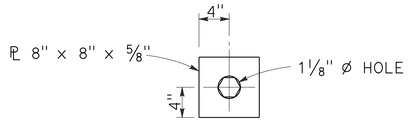
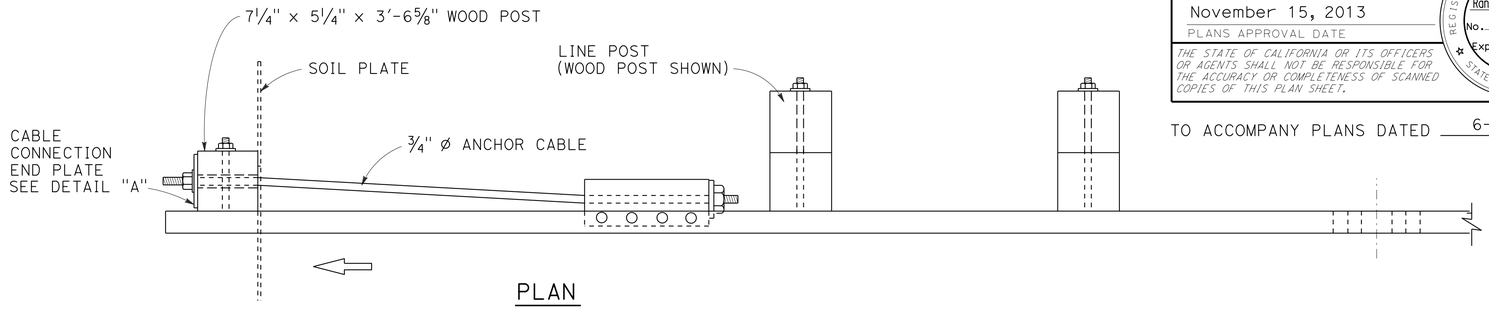
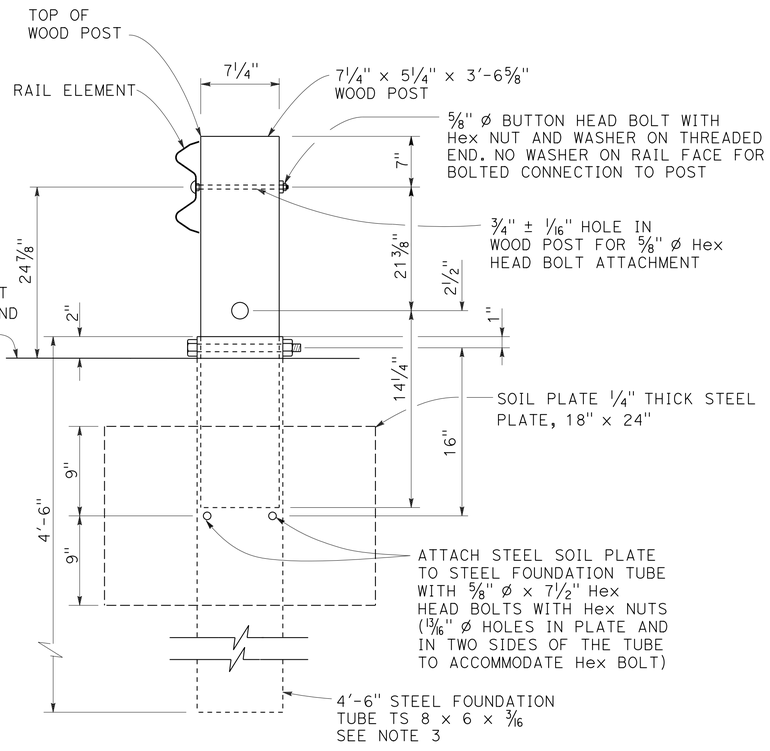


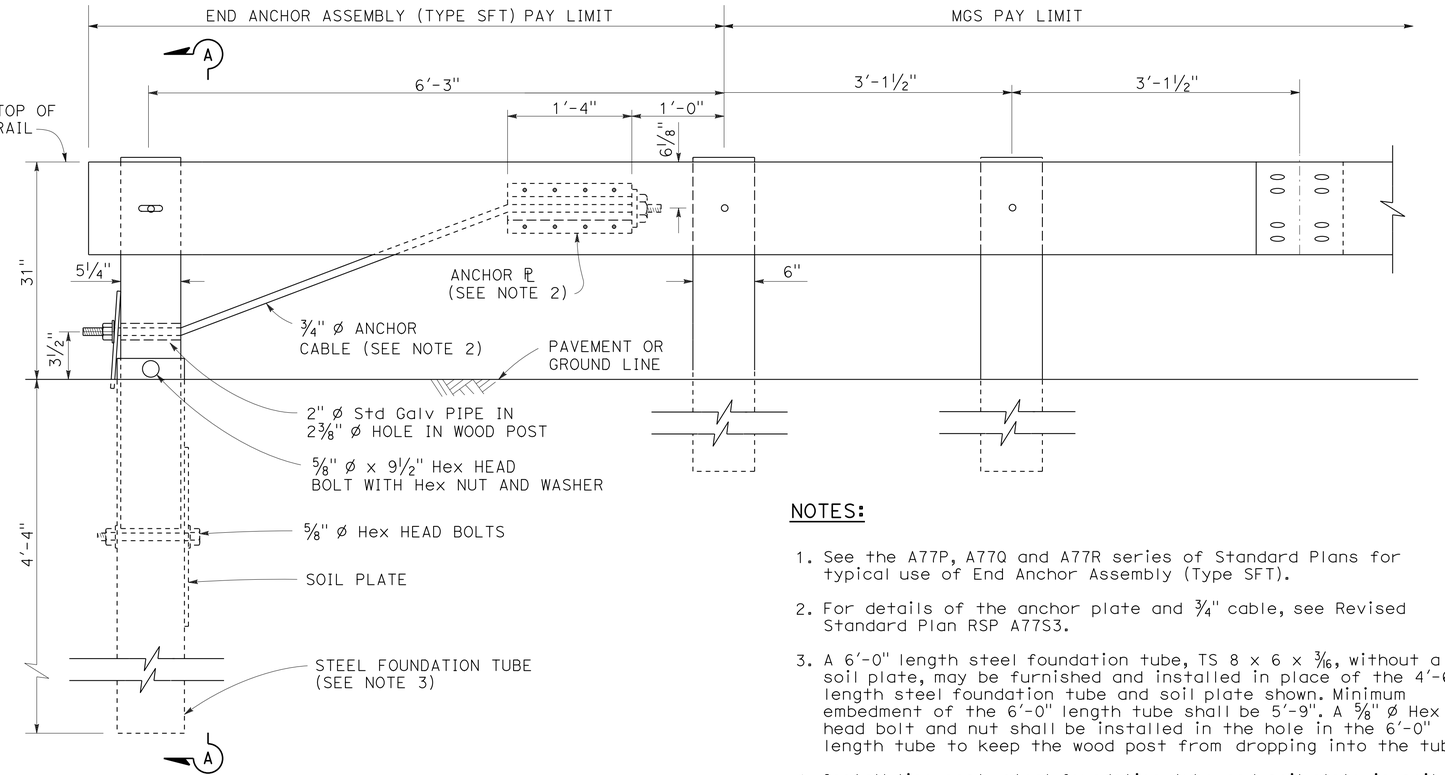
DETAIL "A"
CABLE CONNECTION
END PLATE



PLAN



SECTION A-A



ELEVATION

END ANCHOR
ASSEMBLY (TYPE SFT)
See Note 1

NOTES:

1. See the A77P, A77Q and A77R series of Standard Plans for typical use of End Anchor Assembly (Type SFT).
2. For details of the anchor plate and 3/4" cable, see Revised Standard Plan RSP A77S3.
3. A 6'-0" length steel foundation tube, TS 8 x 6 x 3/16, without a soil plate, may be furnished and installed in place of the 4'-6" length steel foundation tube and soil plate shown. Minimum embedment of the 6'-0" length tube shall be 5'-9". A 5/8" ø Hex head bolt and nut shall be installed in the hole in the 6'-0" length tube to keep the wood post from dropping into the tube.
4. Install line post, steel foundation tube and soil plate in soil.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

MIDWEST GUARDRAIL SYSTEM
END ANCHOR ASSEMBLY
(TYPE SFT)

NO SCALE

RSP A77S1 DATED NOVEMBER 15, 2013 SUPERSEDES RSP A77S1
DATED JULY 19, 2013 THAT SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A77S1

2010 REVISED STANDARD PLAN RSP A77S1

10-4-13

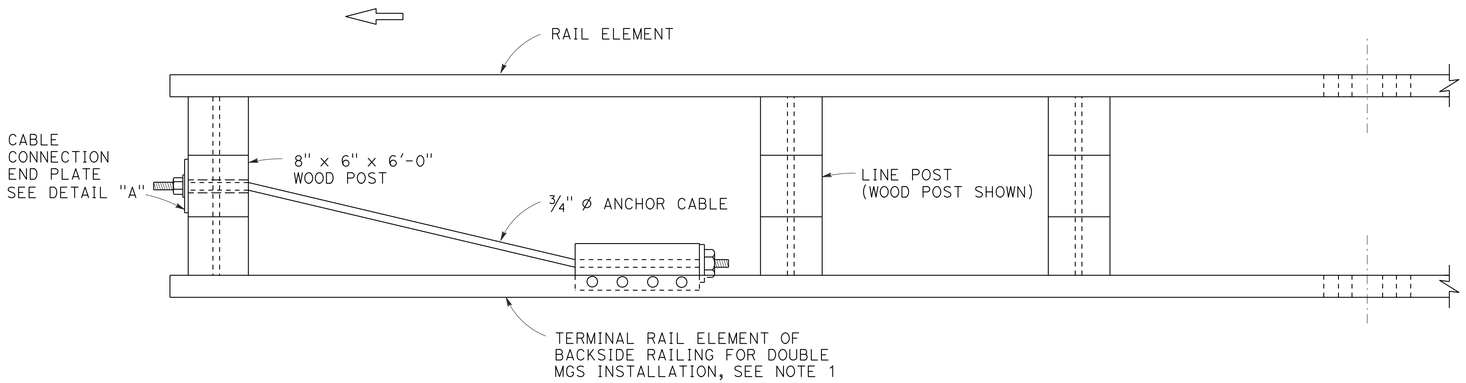
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	54	188

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

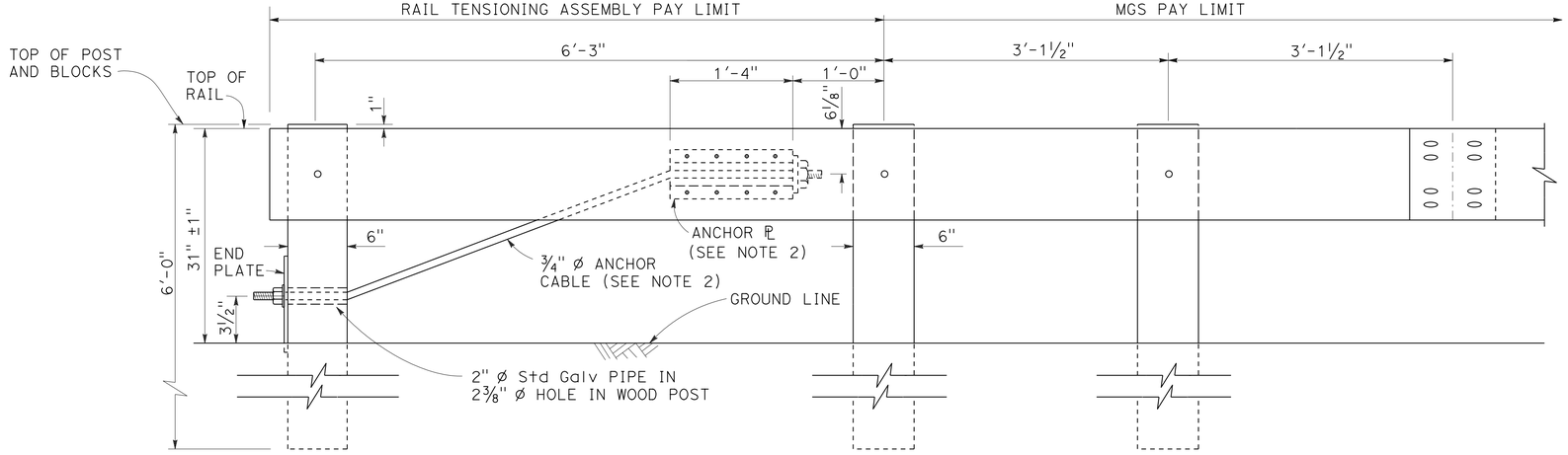
July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-15
CIVIL
STATE OF CALIFORNIA

TO ACCOMPANY PLANS DATED 6-23-14



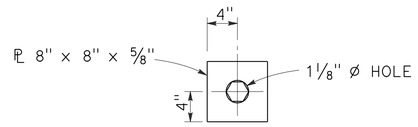
PLAN



ELEVATION
RAIL TENSIONING ASSEMBLY
See Note 1

NOTES:

1. See Revised Standard Plans RSP A77Q3 and RSP A77R1 for typical use of rail tensioning assembly.
2. For details of the anchor plate and ¾" cable, see Revised Standard Plan RSP A77S3.



DETAIL "A"
CABLE CONNECTION END PLATE

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

MIDWEST GUARDRAIL SYSTEM
RAIL TENSIONING ASSEMBLY

NO SCALE

RSP A77S2 DATED JULY 19, 2013 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A77S2

2010 REVISED STANDARD PLAN RSP A77S2

7-3-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	55	188

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

November 15, 2013
PLANS APPROVAL DATE

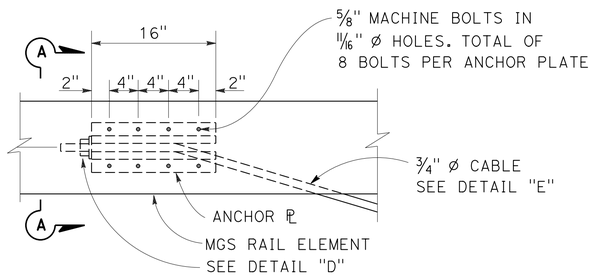
REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-15
CIVIL
STATE OF CALIFORNIA

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 6-23-14

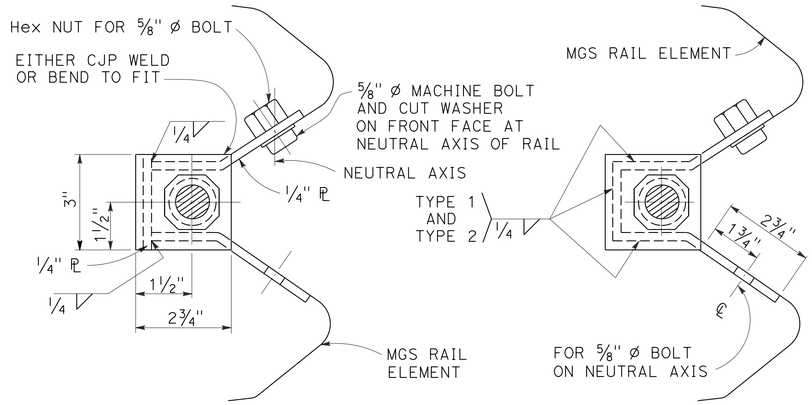
NOTE:

See Revised Standard Plans RSP A77S1, RSP A77S2 and RSP A77T1 for typical use of anchor cable and anchor plate.



ANCHOR PLATE DETAIL

(MGS shown, TBB similar)

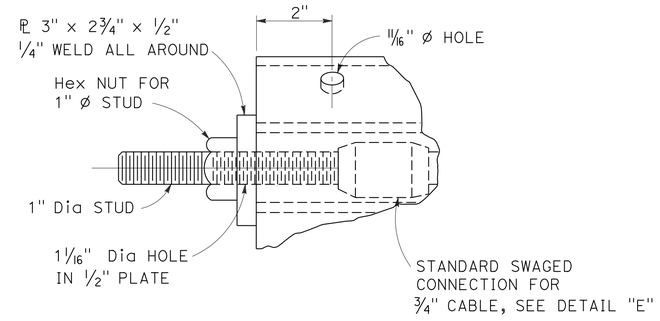


NOTE:

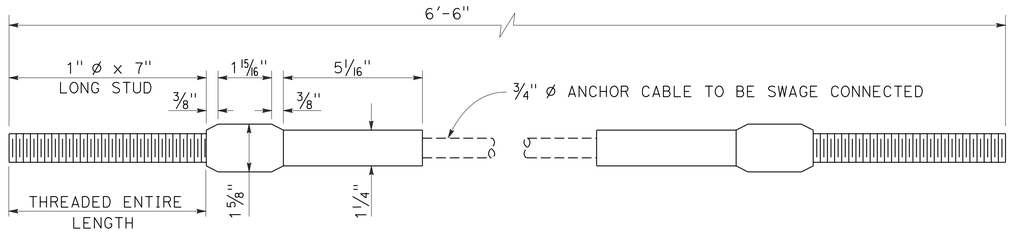
Dimensioning applies to both types.

SECTION A-A
(ALTERNATIVE TYPE 1)

SECTION A-A
(ALTERNATIVE TYPE 2)



DETAIL "D"



ANCHOR CABLE WITH SWAGED FITTING AND STUD
DETAIL "E"

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

METAL RAILING ANCHOR CABLE AND ANCHOR PLATE DETAILS

NO SCALE

RSP A77S3 DATED NOVEMBER 15, 2013 SUPERSEDES RSP A77S3
DATED JULY 19, 2013 THAT SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A77S3

2010 REVISED STANDARD PLAN RSP A77S3

10-4-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	56	188

REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

Michael Janzen No. 44788 Exp. 03-31-14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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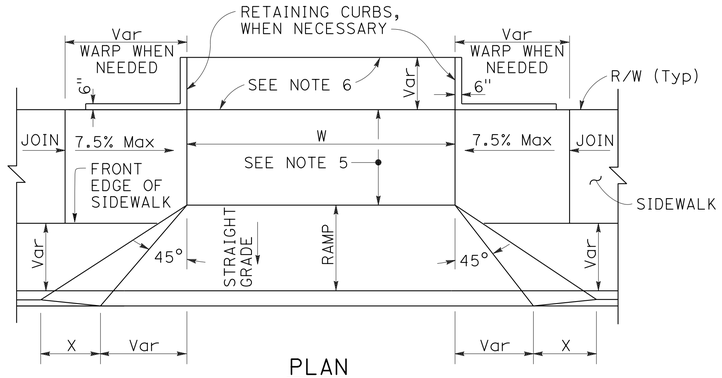
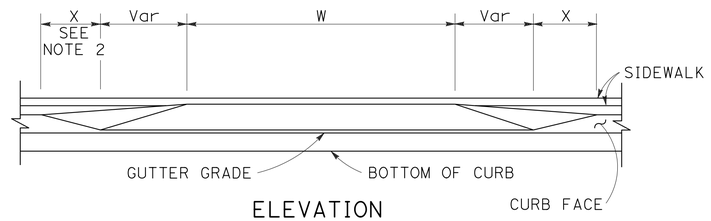
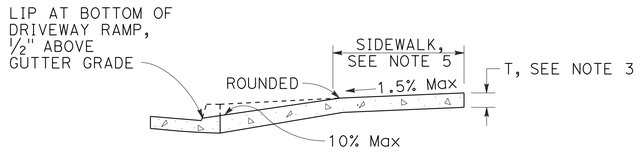
TO ACCOMPANY PLANS DATED 6-23-14



PLAN

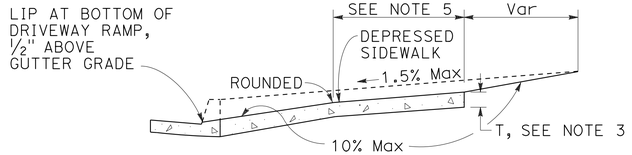


ELEVATION



CASE A

Typical driveway, sidewalk not depressed



CASE B

Driveway with depressed sidewalk

SECTIONS

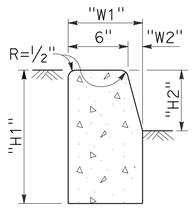
TABLE A

CURB TYPE	DIMENSIONS			
	"H1"	"H2"	"W1"	"W2"
A1-6	1'-2"	6"	7½"	1½"
A1-8	1'-4"	8"	8"	2"
A2-6	1'-0"	6"	2'-7½"	1½"
A2-8	1'-2"	8"	2'-8"	2"
A3-6	6"	5"	7¼"	1¼"
A3-8	8"	7"	7¾"	1¾"
B1-4	1'-0"	4"	7½"	2½"
B1-6	1'-2"	6"	9"	4"
B2-4	10"	4"	2'-7½"	2½"
B2-6	1'-0"	6"	2'-9"	4"
B3-4	4"	3"	7"	2"
B3-6	6"	5"	8½"	3½"
D-4	10"	4"	1'-6"	1'-1"
D-6	1'-0"	6"	2'-2"	1'-9"

CURB QUANTITIES

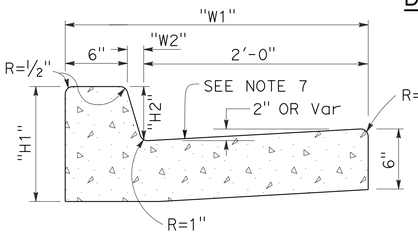
TYPE	CUBIC YARDS PER LINEAR FOOT
A1-6	0.02585
A1-8	0.03084
A2-6	0.05903
A2-8	0.06379
A3-6	0.01036
A3-8	0.01435
B1-4	0.02185
B1-6	0.02930
B2-4	0.05515
B2-6	0.06171
B3-4	0.00641
B3-6	0.01074
B4	0.05709
D-4	0.04083
D-6	0.06804
E	0.06661

DRIVEWAYS



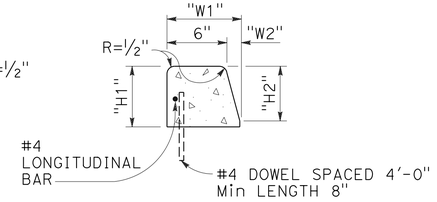
TYPE A1 CURBS

See Table A



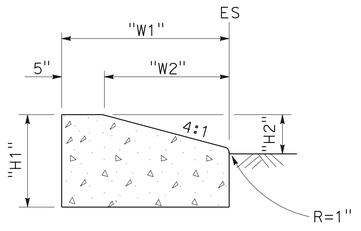
TYPE A2 CURBS

See Table A



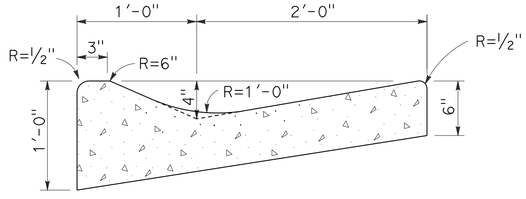
TYPE A3 CURBS

Superimposed on existing pavement
See Table A

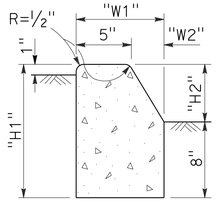


TYPE D CURBS

See Table A

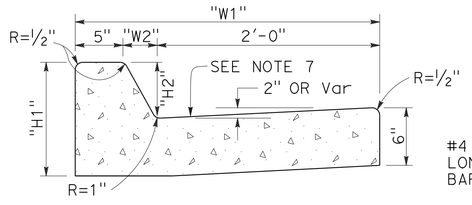


TYPE E CURB



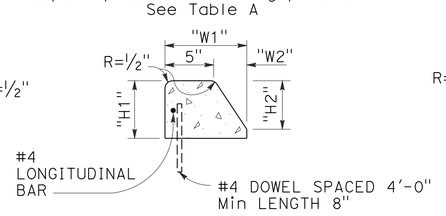
TYPE B1 CURBS

See Table A



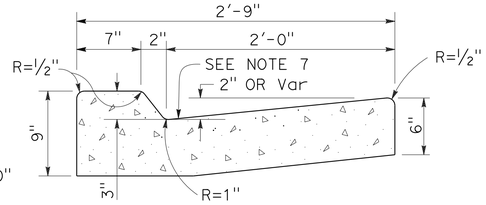
TYPE B2 CURBS

See Table A

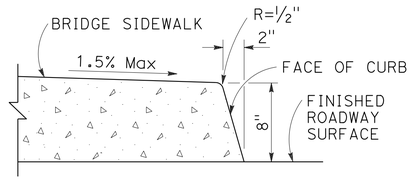


TYPE B3 CURBS

Superimposed on existing pavement
See Table A



TYPE B4 CURBS



TYPE H CURB

On Bridges

CURBS

NOTES:

1. Case A driveway section typically applies.
2. X=3'-0" except for curb heights over 10" where 4:1 slopes shall be used on curb slope.
3. Sidewalk and ramp thickness "T" at driveway shall be 4" for residental and 6" for commercial.
4. Difference in slope of the driveway ramp and the slope of a line between the gutter and a point on the roadway 5'-0" from gutter line shall not exceed 15%. Reduce driveway ramp slope, not gutter slope, where required.
5. Minimum width of clear passageway for sidewalk shall be 4'-2".
6. Retaining curbs and acquisition of construction easement may be necessary for narrow sidewalks or curb heights in excess of 6".
7. Across the pedestrian route at curb ramp locations, the gutter pan slope shall not exceed 1" of depth for each 2'-0" of width.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CURBS AND DRIVEWAYS

NO SCALE

RSP A87A DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN A87A
DATED MAY 20, 2011 - PAGE 119 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A87A

2010 REVISED STANDARD PLAN RSP A87A

7-8-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	57	188

REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Michael Janzen
No. 44788
Exp. 03-31-14
CIVIL
STATE OF CALIFORNIA

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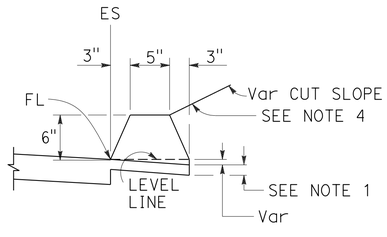
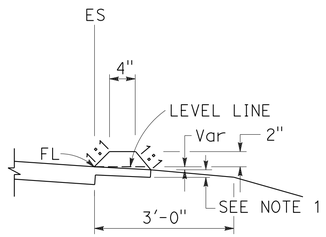
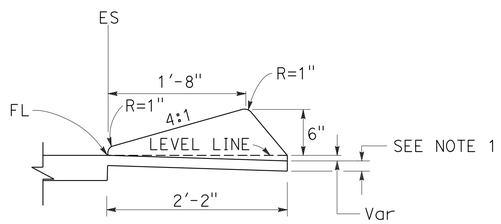
TO ACCOMPANY PLANS DATED 6-23-14



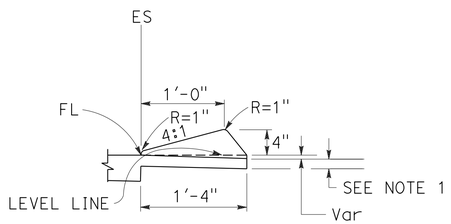
TYPE A
See Note 3



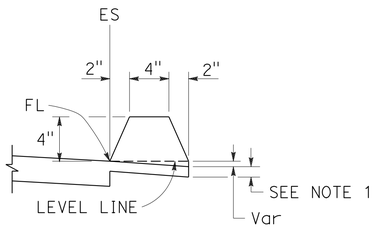
TYPE C



TYPE D

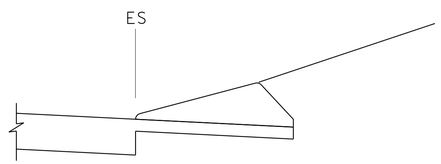


TYPE E

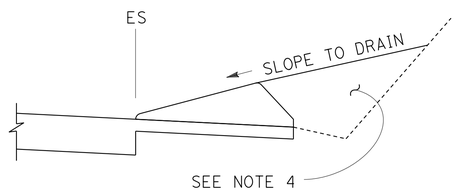


TYPE F
See Note 5

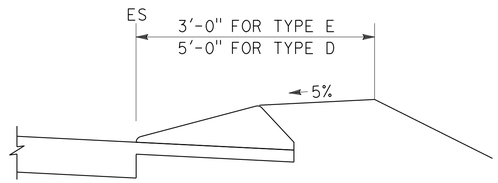
DIKES



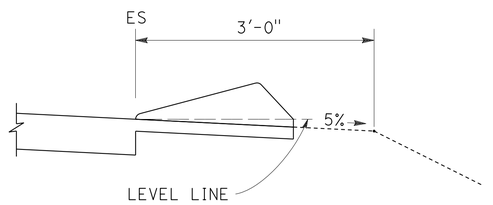
CASE C-1
Cut Slope



CASE C-2
Cut Slope



CASE F



CASE R
See Note 2

TYPE D AND E BACKFILL DETAILS

NOTES:

1. For HMA shoulders only, extend top layer of HMA placed on the shoulder under dike with no joint at the ES. For projects with OGFC shoulders, do not extend OGFC under dike. See project plans for modified dike detail.
2. Case R applies to retrofit only projects where restrictive conditions do not provide enough width for Case F backfill.
3. Type A dike only to be used where restrictive slope conditions do not provide enough width to use Type D or Type E dike.
4. Fill and compact with excavated material to top of dike.
5. Use Type F dike, where dike is required with guard railing installations. See Revised Standard Plan RSP A77N4 for dike positioning details.

DIKE QUANTITIES

TYPE	CUBIC YARDS PER LINEAR FOOT
A	0.0135
C	0.0038
D	0.0293
E	0.0130
F	0.0066

Quantities based on 5% cross slope.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

HOT MIX ASPHALT DIKES

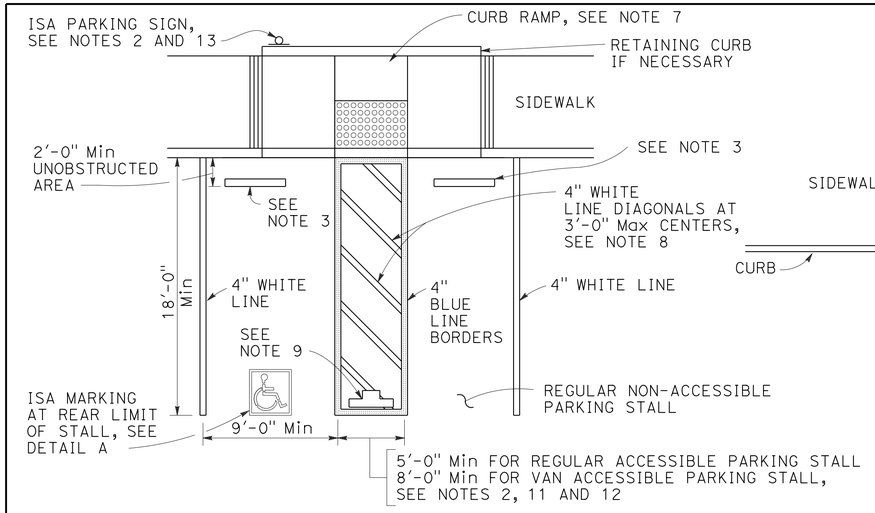
NO SCALE

RSP A87B DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN A87B
DATED MAY 20, 2011 - PAGE 120 OF THE STANDARD PLANS BOOK DATED 2010.

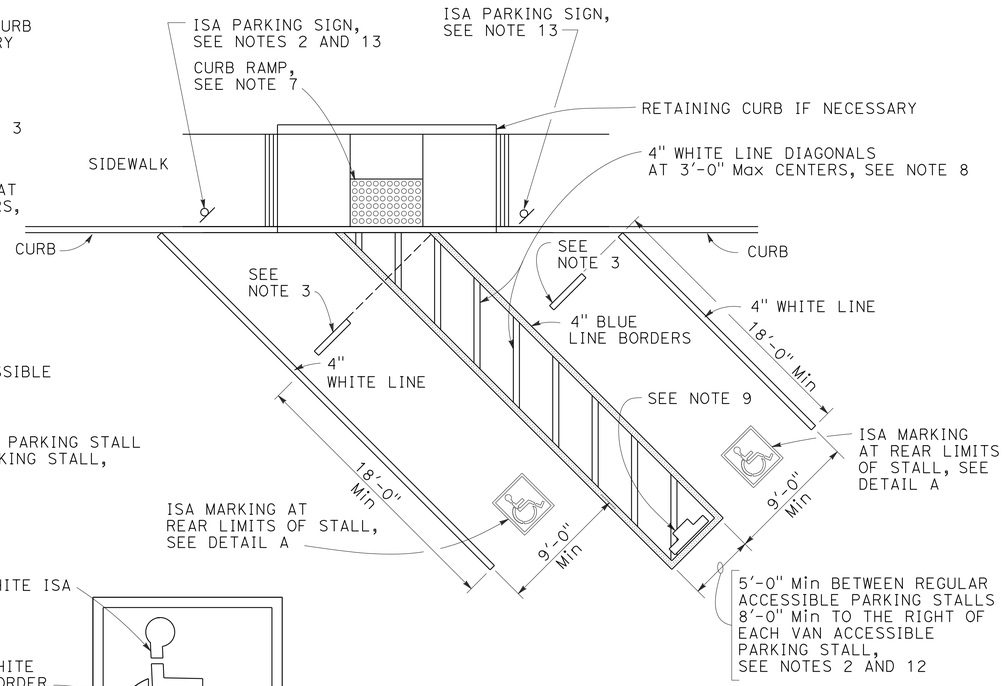
REVISED STANDARD PLAN RSP A87B

2010 REVISED STANDARD PLAN RSP A87B

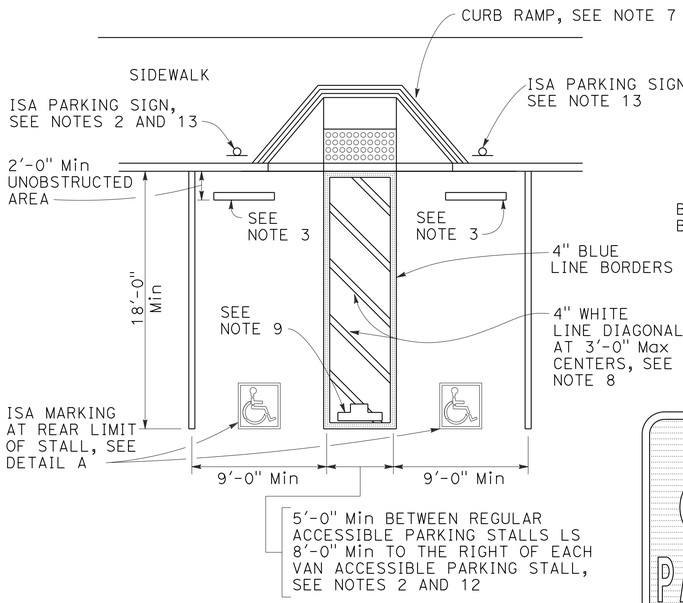
6-27-13



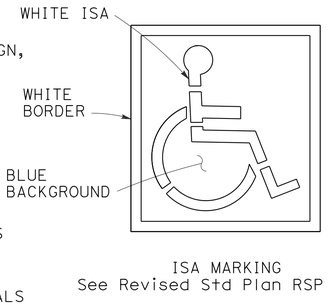
SINGLE PARKING STALL



DIAGONAL DOUBLE PARKING STALLS



DOUBLE PARKING STALL



ISA MARKING
See Revised Std Plan RSP A24C

DETAIL A

TABLE A

TOTAL NUMBER OF PARKING SPACES PROVIDED IN PARKING FACILITY	MINIMUM NUMBER OF REQUIRED ACCESSIBLE PARKING SPACES
1-25	1
26-50	2
51-75	3
76-100	4
101-150	5
151-200	6
201-300	7
301-400	8
401-500	9
501-1000	2 PERCENT OF TOTAL
1001 AND OVER	20 PLUS 1 FOR EACH 100 OR FRACTION THEREOF OVER 1000

SIGN R99 (CA)

PLAQUE R99B (CA)

SIGN R99 (CA) with PLAQUE R99B (CA)
See Note 6

SIGN R99C (CA)
See Note 6

SIGN R100B (CA)
See Note 10

SIGN R7-8b
See Notes 2 and 6

OFF-STREET PARKING SIGNS

(Parking lot or garage)
See Note 6

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	58	188

REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

Hector David Cordova No. C41957 Exp. 3-31-14 CIVIL
REGISTERED PROFESSIONAL ENGINEER
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 6-23-14

NOTES:

1. Accessible parking spaces serving a particular building shall be located on the shortest accessible route of travel from adjacent parking to an accessible entrance. In parking facilities that do not serve a particular building, accessible parking shall be located on the shortest accessible route of travel to an accessible pedestrian entrance of the parking facility.
2. One in every six accessible off-street parking stalls, but not less than one, shall be served by an accessible aisle of 8'-0" minimum width and shall be signed van accessible. The R7-8b sign shall be mounted below the R99B (CA) plaque or the R99C (CA) sign.
3. In each parking stall, a curb or parking bumper shall be provided if required to prevent encroachment of vehicles over the required width of walkways. Parking stalls shall be so located that persons with disabilities are not compelled to wheel or walk behind parked vehicles other than their own. For more parking bumper requirements, see the Special Provisions.
4. Parking spaces and access aisles shall be level with surface slopes not exceeding 1.5% in all directions.
5. Table A shall be used to determine the required number of accessible parking stalls in each parking lot or garage.
6. Where Plaque R99B (CA), Sign R99C (CA) or Sign R7-8b are installed, the bottom of the sign or plaque panel shall be a minimum of 7'-0" above the surrounding surface.
7. Curb ramps shall conform to the details shown on Revised Standard Plan RSP A88A.
8. Blue paint, instead of white may be used for marking accessibility aisles in areas where snow may cause white markings to not be visible.
9. The words "NO PARKING", shall be painted in white letters no less than 1'-0" high and located so that it is visible to traffic enforcement officials. See Revised Standard Plan RSP A90B for details of the "NO PARKING" pavement marking.
10. A R100B (CA) sign shall be posted in a conspicuous place at each entrance to off-street parking facilities or immediately adjacent to and visible from each stall. The sign shall include the address where the towed vehicle may be reclaimed and the telephone number of the local traffic law enforcement agency.
11. Where a single (non-van) accessible parking space is provided, the loading and unloading access aisle shall be on the passenger side of the vehicle as the vehicle is going forward into the parking space.
12. Where a van accessible parking space is provided, the loading and unloading access aisle shall be 8'-0" wide minimum, and shall be on the passenger side of the vehicle as the vehicle is going forward into the parking space.
13. Accessible Parking Only Sign shall be Sign R99C (CA) or Sign R99 (CA) with Plaque R99B (CA).

LEGEND

ISA = International Symbol of Accessibility

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ACCESSIBLE PARKING OFF-STREET

NO SCALE

RSP A90A DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN A90A
DATED MAY 20, 2011 - PAGE 123 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A90A

2010 REVISED STANDARD PLAN RSP A90A

7-8-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	59	188

William K. Farnbach
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
William K. Farnbach
No. C49042
Exp. 9-30-14
CIVIL
STATE OF CALIFORNIA

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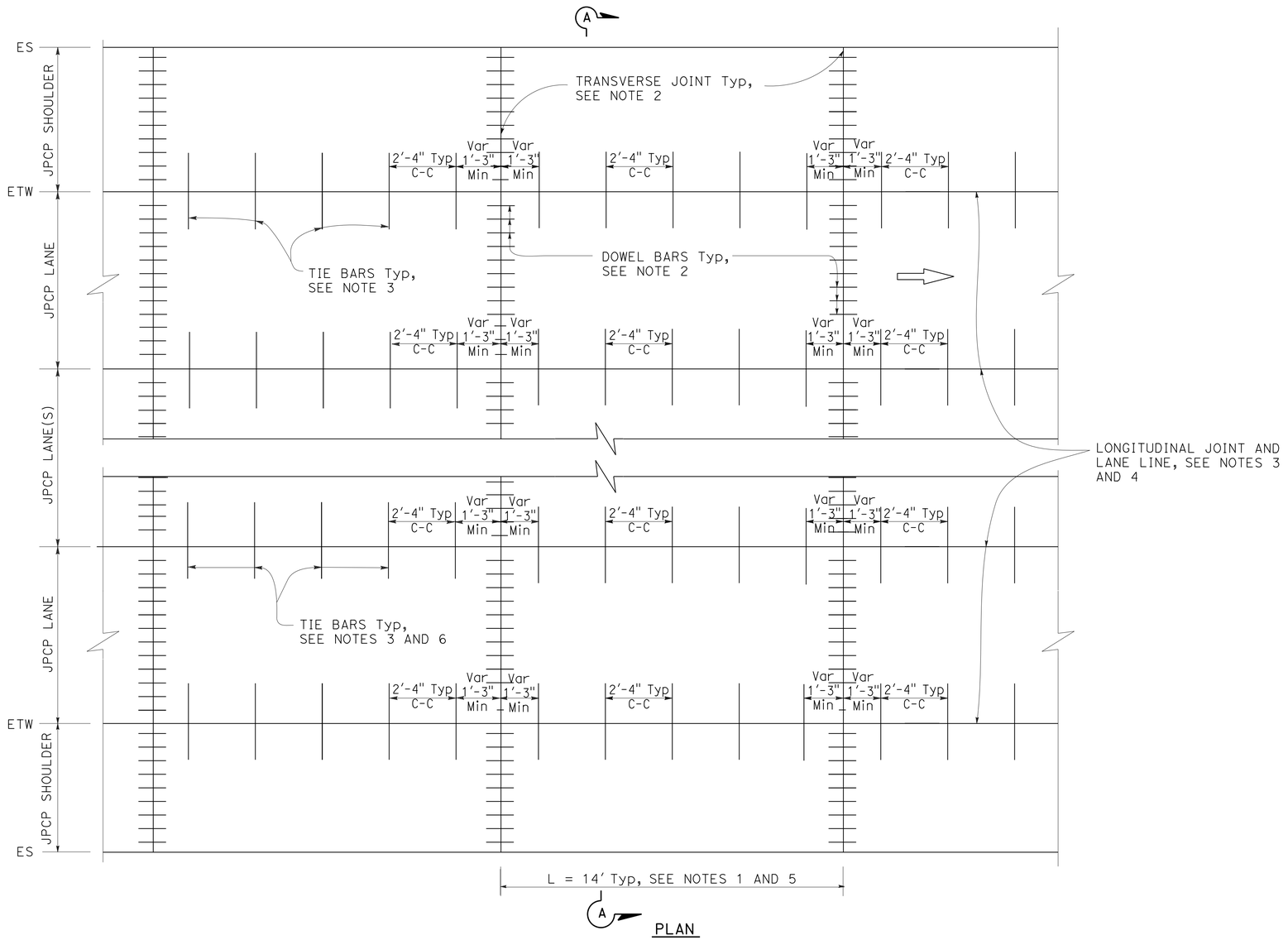
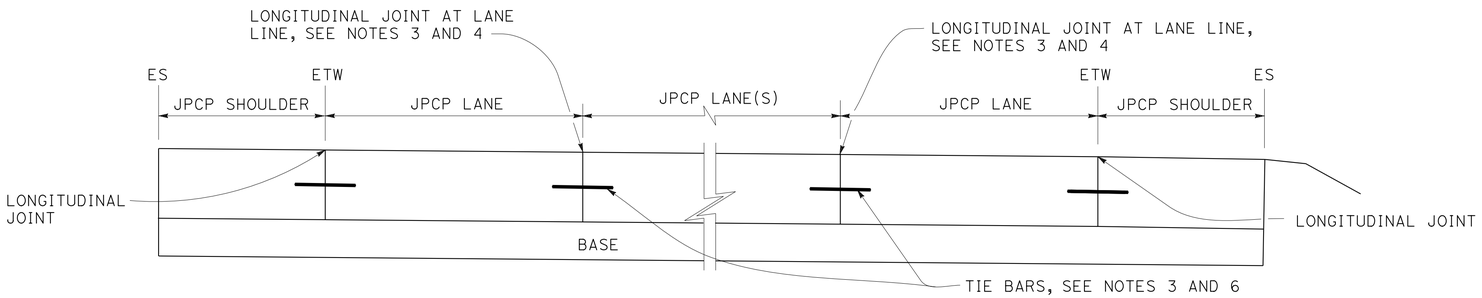
TO ACCOMPANY PLANS DATED 6-23-14



PLAN



SECTION A-A

NOTES:

1. Transverse joint spacing may be adjusted to no less than 10′ and no more than 14′ to conform to bridges, change in pavement type, and hardened concrete pavement.
2. For transverse joint and dowel bar details not shown, see Revised Standard Plan RSP P10.
3. For longitudinal joint and tie bar details not shown, see Revised Standard Plan RSP P15.
4. For additional longitudinal joint layout details, see Revised Standard Plan RSP P18.
5. For joint layout at intersections, see Project Plans.
6. For dowel bars at longitudinal joint. see Revised Standard Plan RSP P18.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

JOINTED PLAIN CONCRETE PAVEMENT NEW CONSTRUCTION

NO SCALE

RSP P1 DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN P1
DATED MAY 20, 2011 - PAGE 125 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP P1

2010 REVISED STANDARD PLAN RSP P1

5-31-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	60	188

William K. Farnbach
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — William K. Farnbach — No. C49042 — Exp. 9-30-14 — CIVIL — STATE OF CALIFORNIA

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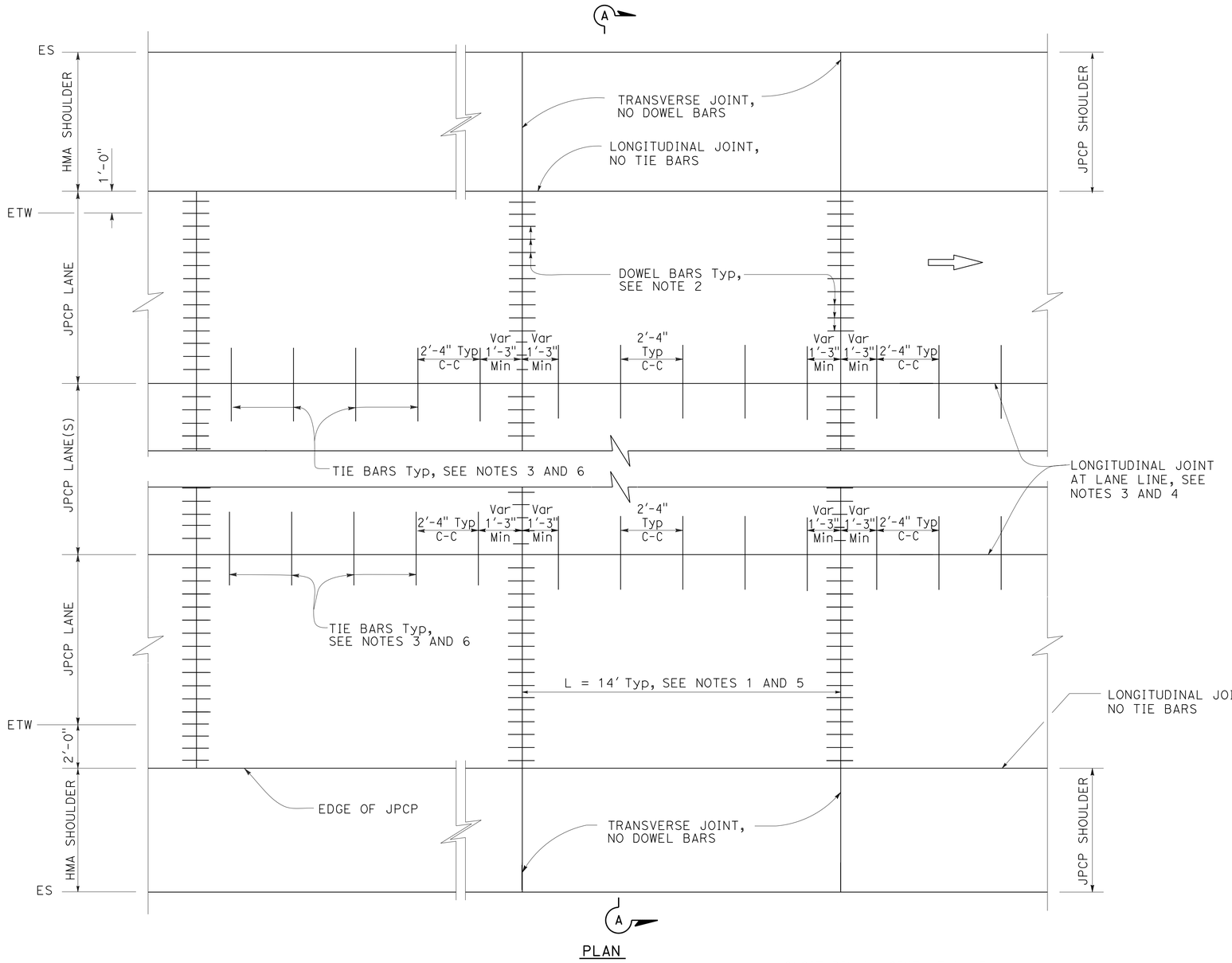
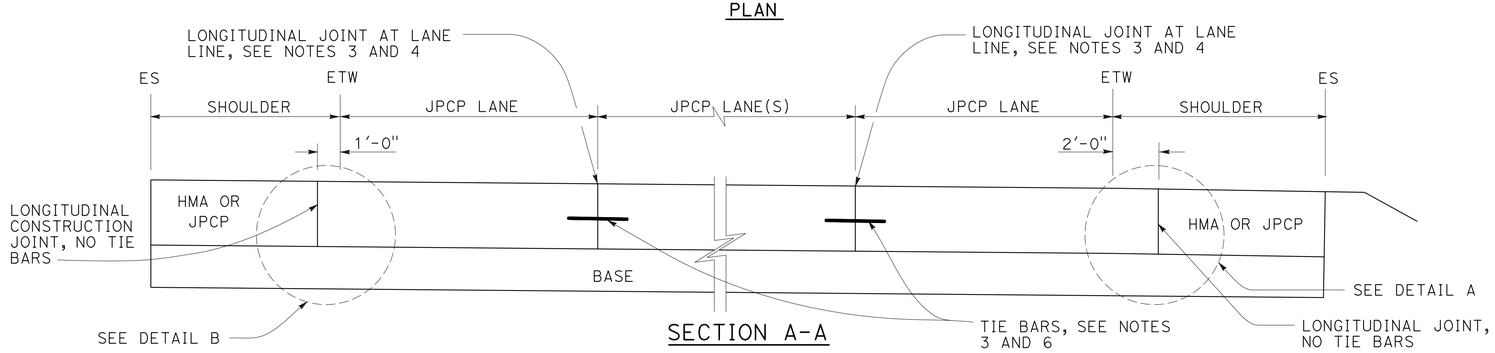
TO ACCOMPANY PLANS DATED 6-23-14



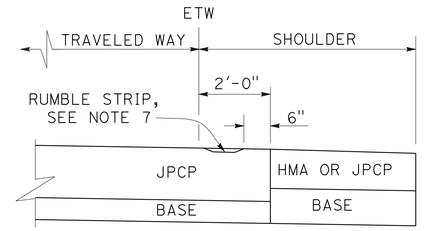
PLAN



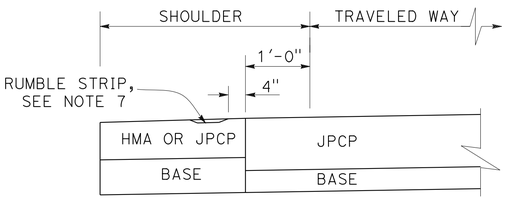
SECTION A-A

NOTES:

1. Transverse joint spacing may be adjusted to no less than 10′ and no more than 14′ to conform to bridges, change in pavement type, and hardened concrete pavement.
2. For transverse joint and dowel bar details not shown, see Revised Standard Plan RSP P10.
3. For longitudinal joint and tie bar details not shown, see Revised Standard Plan RSP P15.
4. For additional longitudinal joint layout details, see Revised Standard Plan RSP P18.
5. For joint layout at intersections, see Project Plans.
6. For dowel bars at longitudinal joint. see Revised Standard Plan RSP P18.
7. For limits of rumble strips, see Projects Plans.



DETAIL A



DETAIL B

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

JOINTED PLAIN CONCRETE PAVEMENT (WIDENED LANE) NEW CONSTRUCTION

NO SCALE

RSP P2 DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN P2 DATED MAY 20, 2011 - PAGE 126 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP P2

2010 REVISED STANDARD PLAN RSP P2

5-31-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	61	188

William K. Farnbach
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — William K. Farnbach — No. C49042 — Exp. 9-30-14 — CIVIL — STATE OF CALIFORNIA

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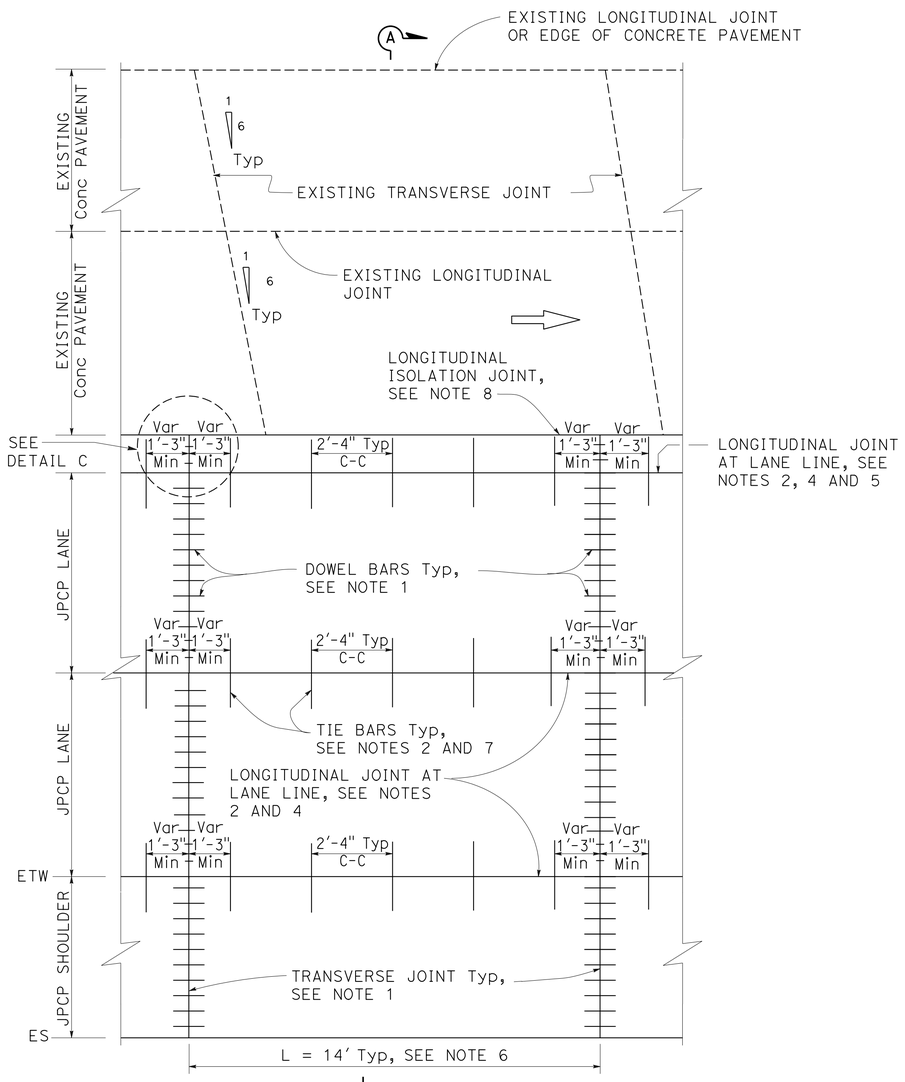
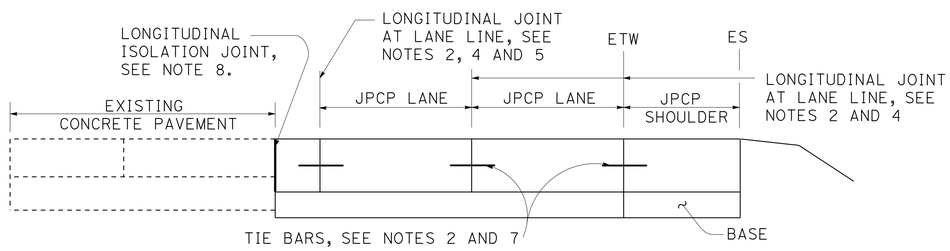
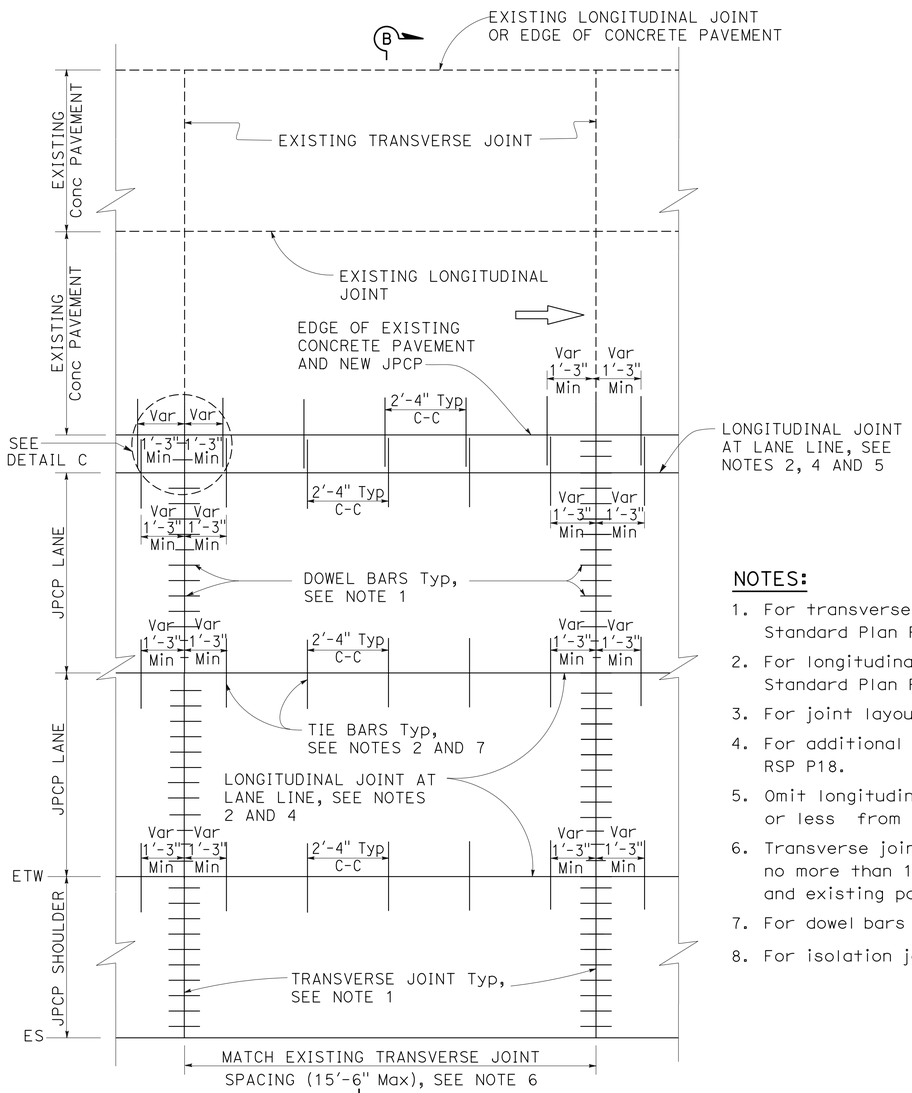
TO ACCOMPANY PLANS DATED 6-23-14



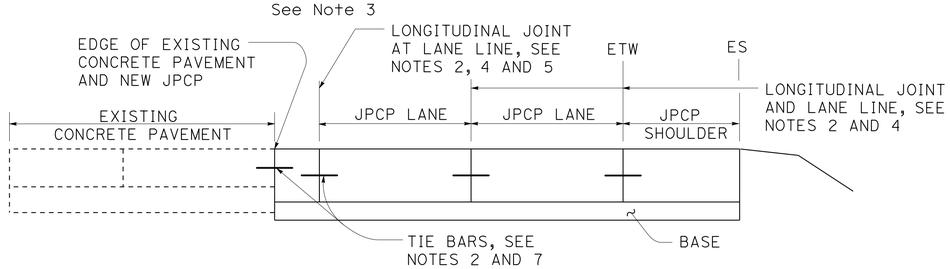
PLAN
ISOLATED
See Note 3



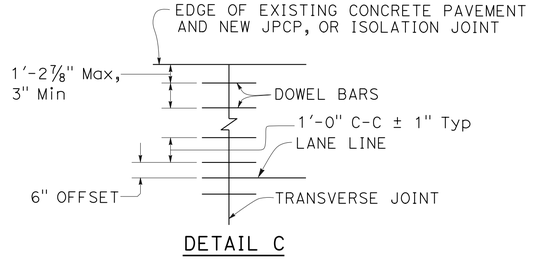
SECTION A-A



PLAN
TIED
See Note 3



SECTION B-B



DETAIL C

NOTES:

1. For transverse joint and dowel bar details not shown, see Revised Standard Plan RSP P10.
2. For longitudinal joint and tie bar details not shown, see Revised Standard Plan RSP P15.
3. For joint layout at intersections, see Project Plans.
4. For additional longitudinal joint details, see Revised Standard Plan RSP P18.
5. Omit longitudinal joint when edge of new concrete pavement is 3'-3" or less from JPCP lane line.
6. Transverse joint spacing may be adjusted to no less than 10' and no more than 15'-6" to conform to bridges, change in pavement type and existing pavement.
7. For dowel bars at longitudinal joint. see Revised Standard Plan RSP P18.
8. For isolation joints, see Detail A on Revised Standard Plan RSP P18.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

JOINTED PLAIN CONCRETE PAVEMENT LANE & SHOULDER ADDITION OR REPLACEMENT

NO SCALE

RSP P3A DATED JULY 19, 2013 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP P3A

2010 REVISED STANDARD PLAN RSP P3A

5-31-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	62	188

William K. Farnbach
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — William K. Farnbach — No. C49042 — Exp. 9-30-14 CIVIL — STATE OF CALIFORNIA

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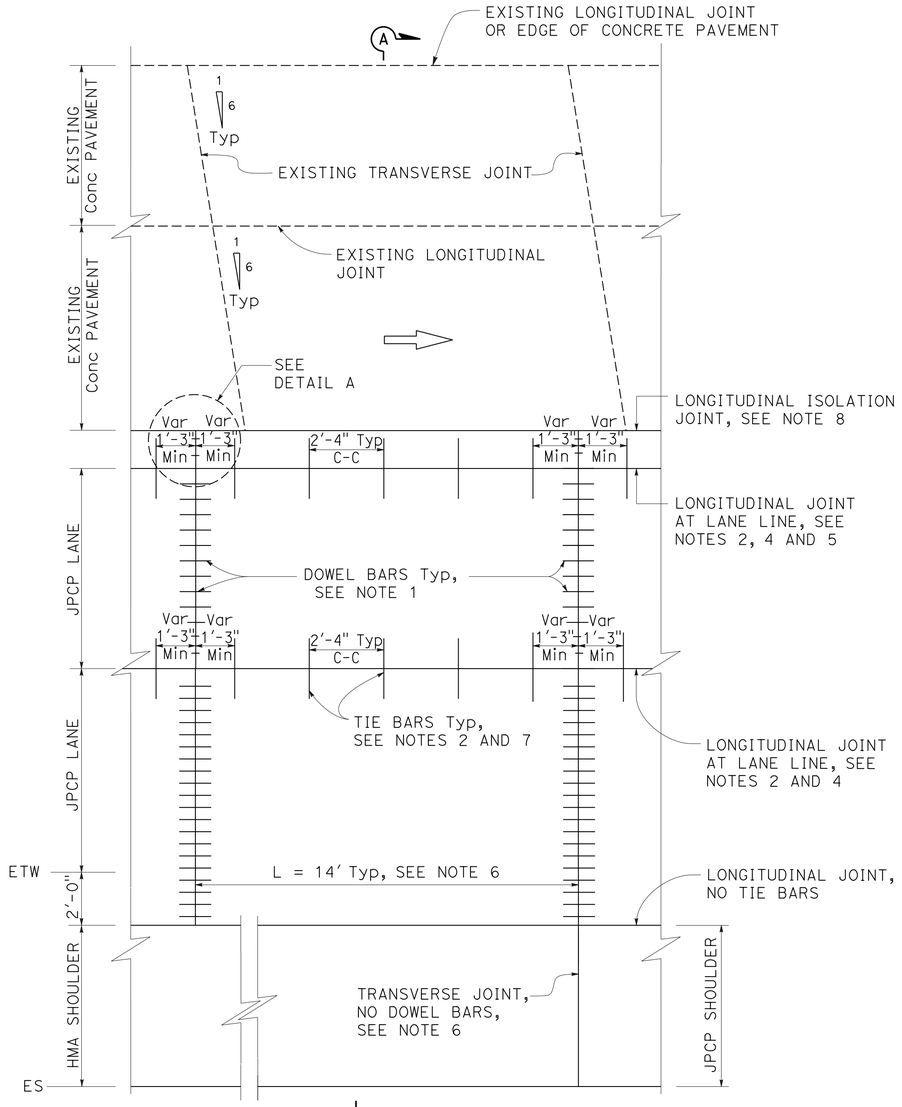
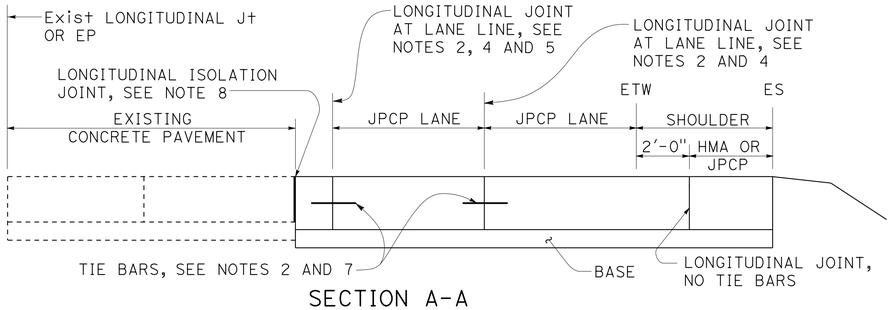
TO ACCOMPANY PLANS DATED 6-23-14



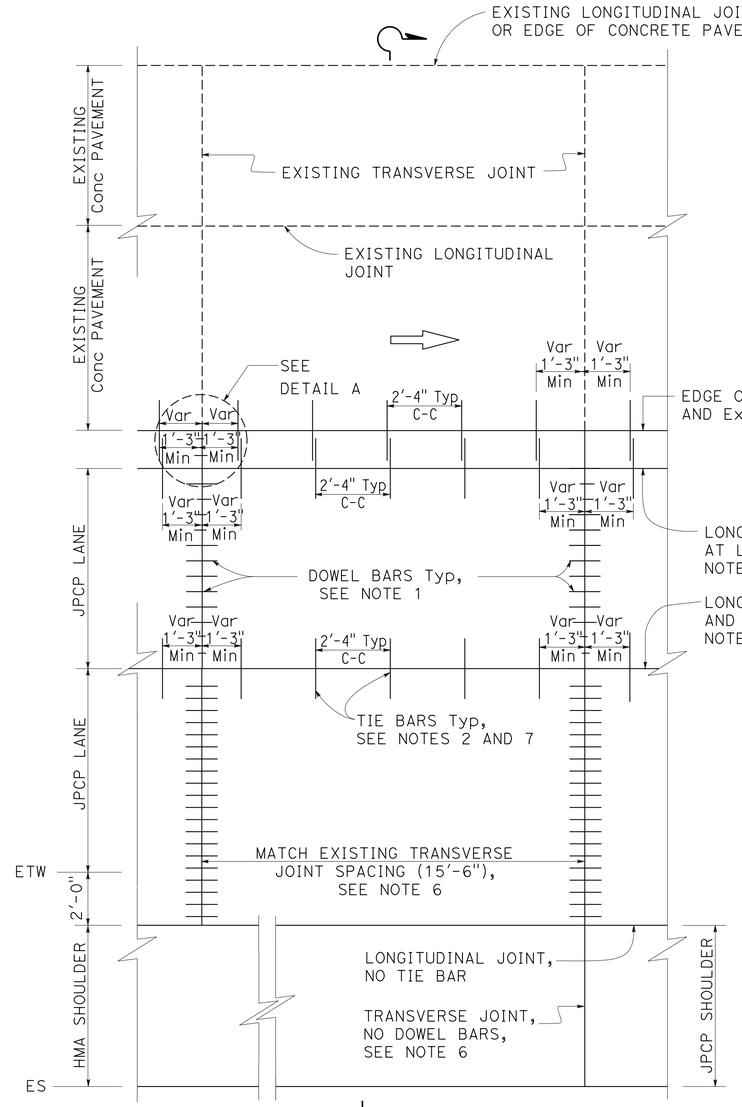
A PLAN

ISOLATED

See Note 3



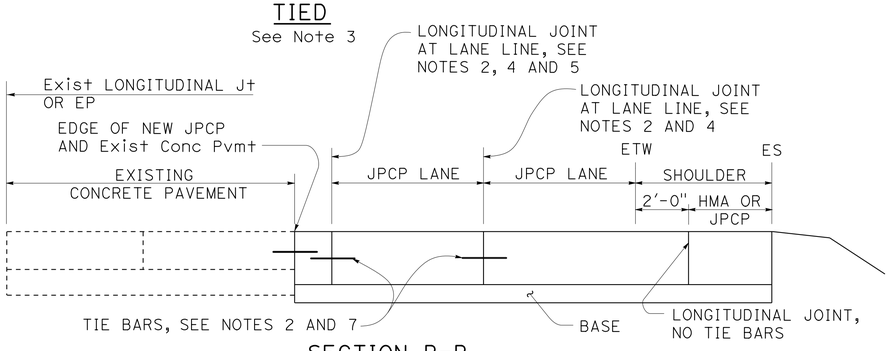
SECTION A-A



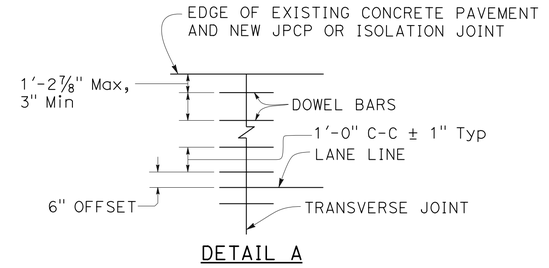
B PLAN

TIED

See Note 3



SECTION B-B



DETAIL A

NOTES:

1. For transverse joint and dowel bar details not shown, see Revised Standard Plan RSP P10.
2. For longitudinal joint and tie bar details not shown, see Revised Standard Plan RSP P15.
3. For joint layout at intersections, see Project Plans.
4. For additional longitudinal joint details, see Revised Standard Plan RSP P18.
5. Omit longitudinal joint when edge of new concrete pavement is 3'-3" or less from JPCP lane line.
6. Transverse joint spacing may be adjusted to no less than 10' and no more than 15'-6" to conform to bridges, change in pavement type and existing pavement.
7. For dowel bars at longitudinal joint. see Revised Standard Plan RSP P18.
8. For isolation joints, see Detail A on Revised Standard Plan RSP P18.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

JOINTED PLAIN CONCRETE PAVEMENT (WIDENED LANE) LANE AND SHOULDER ADDITION OR REPLACEMENT

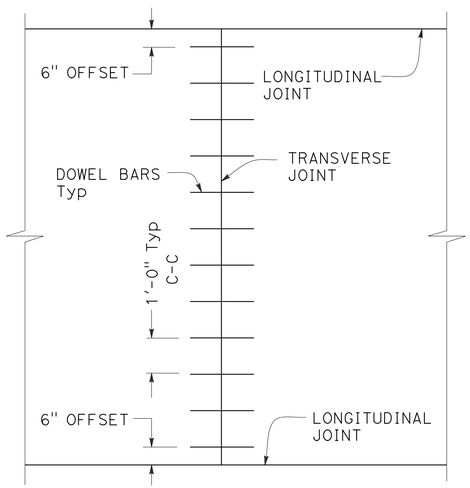
NO SCALE

RSP P3B DATED JULY 19, 2013 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

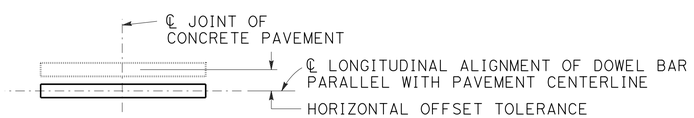
REVISED STANDARD PLAN RSP P3B

2010 REVISED STANDARD PLAN RSP P3B

5-31-13

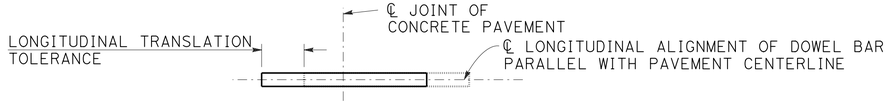


TRANSVERSE JOINT DOWEL BAR LAYOUT



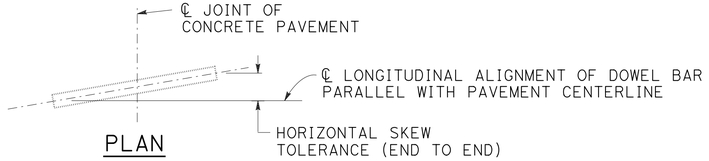
PLAN

HORIZONTAL OFFSET TOLERANCE



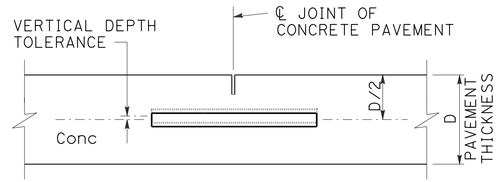
PLAN

LONGITUDINAL TRANSLATION TOLERANCE



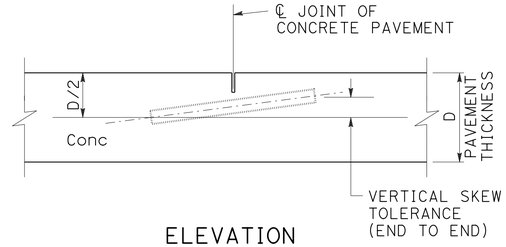
PLAN

HORIZONTAL SKEW TOLERANCE



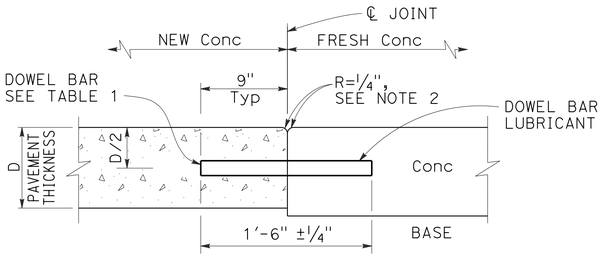
ELEVATION

VERTICAL DEPTH TOLERANCE

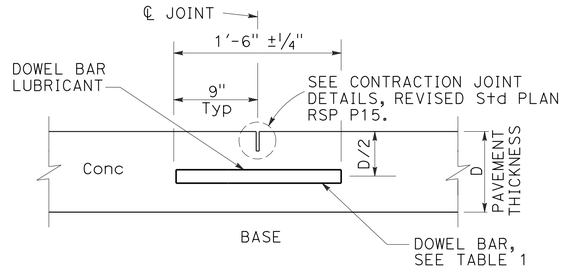


ELEVATION

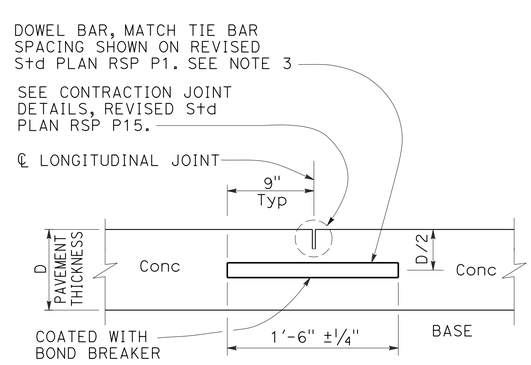
VERTICAL SKEW TOLERANCE



TRANSVERSE CONSTRUCTION JOINT DETAIL

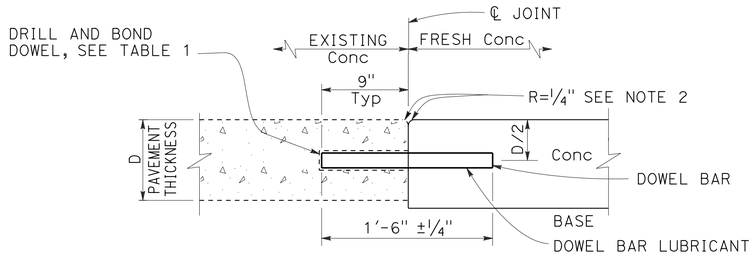


TRANSVERSE CONTRACTION JOINT

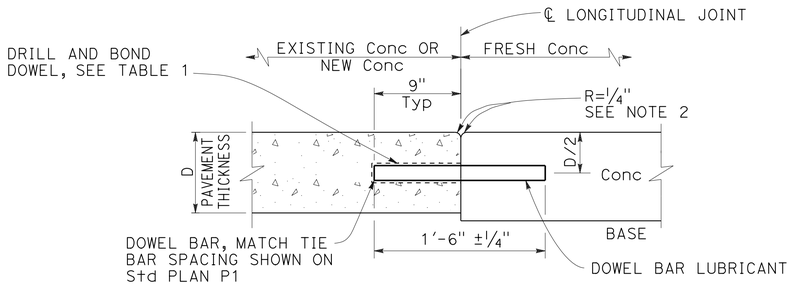


LONGITUDINAL CONTRACTION JOINT WITH DOWEL BARS

See Revised Std Plan RSP P18



TRANSVERSE CONSTRUCTION JOINT FOR EXISTING CONCRETE PAVEMENT



LONGITUDINAL CONSTRUCTION JOINT WITH DOWEL BARS

See Revised Std Plan RSP P18

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	63	188

William K. Farnbach
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — William K. Farnbach — No. C49042 — Exp. 9-30-14 — CIVIL — STATE OF CALIFORNIA

TO ACCOMPANY PLANS DATED 6-23-14

NOTES:

1. See Revised Standard Plan RSP P1 for typical dowel bar placement and locations.
2. Where fresh concrete pavement is placed against new concrete or existing concrete pavement, rounding the corner of the existing concrete pavement is not required.
3. May also use ¾" Dia dowel bars 2'-4" ± ¼" in length. Center the length of dowel bars at the centerline of longitudinal joint.

TABLE 1

DOWEL BAR DIAMETER TABLE			
PAVEMENT THICKNESS	0.65'	> 0.65' - 0.85'	> 0.85'
MINIMUM DOWEL * BAR DIAMETER	1"	1¼"	1½"

* The drilled hole diameter must be ⅛" to 3/16" larger than the bar diameter.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONCRETE PAVEMENT DOWEL BAR DETAILS

NO SCALE

RSP P10 DATED JULY 19, 2013 SUPERSEDES RSP P10 DATED APRIL 20, 2012 AND 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

5-31-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	64	188

William K. Farnbach
REGISTERED CIVIL ENGINEER

July 19, 2013
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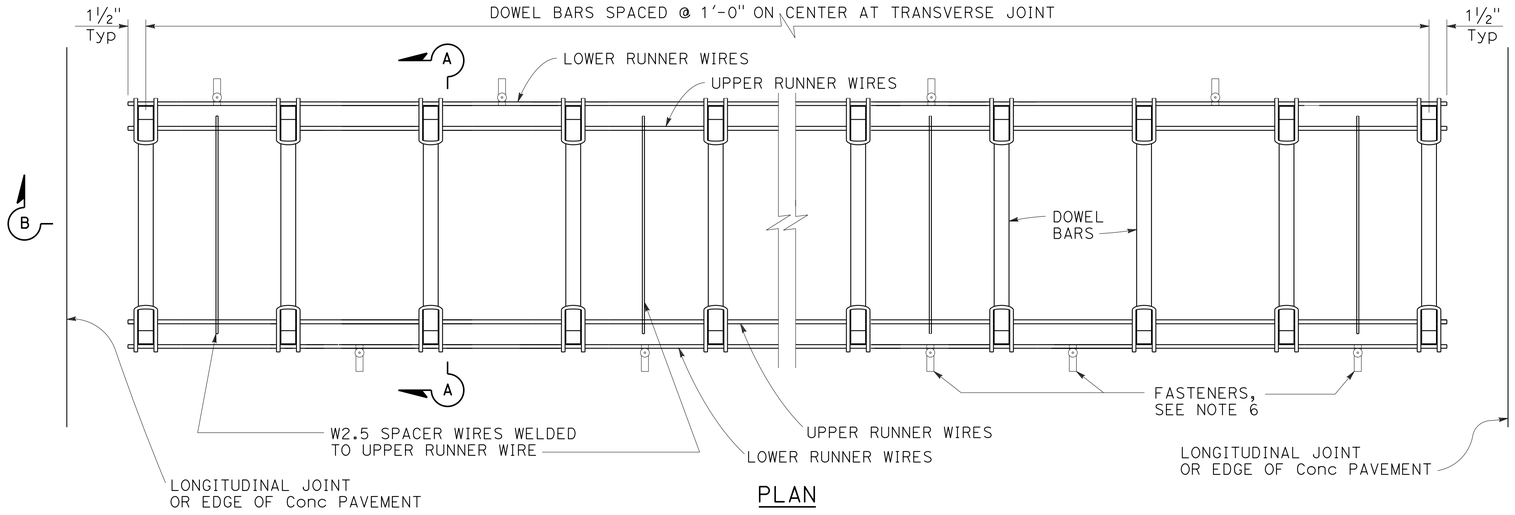
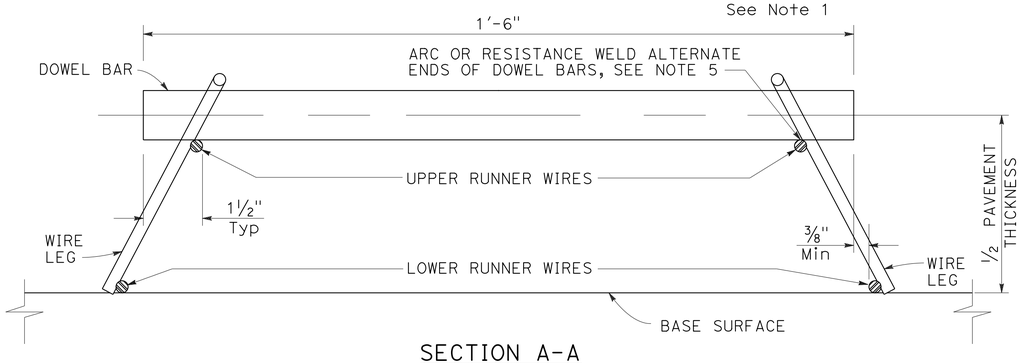
TO ACCOMPANY PLANS DATED 6-23-14



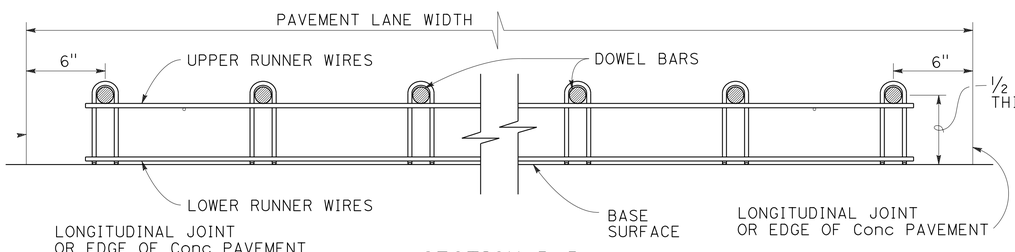
PLAN

DOWEL BAR BASKET (TRANSVERSE JOINT)

See Note 1

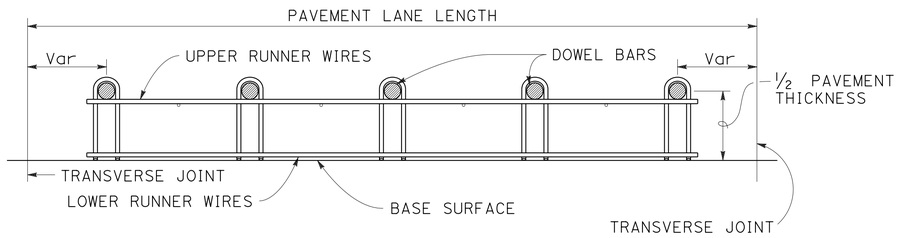


SECTION A-A



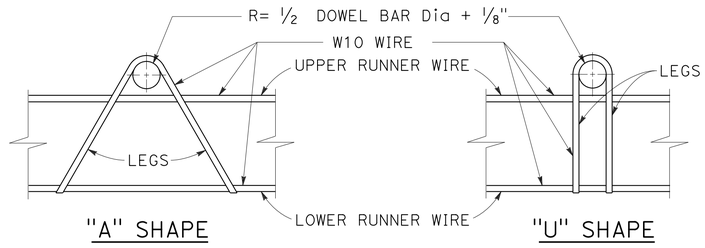
SECTION B-B

See Note 1

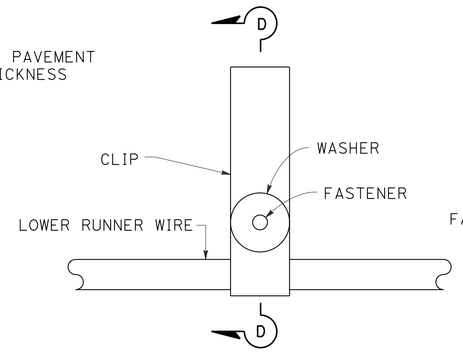


SECTION C-C

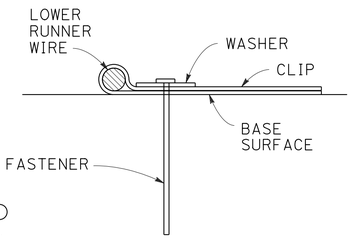
See Notes 1 and 4



ASSEMBLY FRAME DETAILS



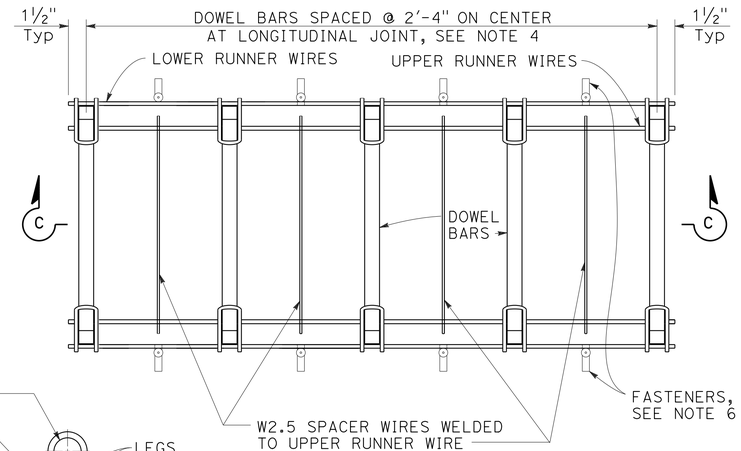
PLAN



SECTION D-D

FASTENER DETAIL

See Note 6



PLAN

DOWEL BAR BASKET (LONGITUDINAL JOINT)

See Note 1

NOTES:

1. "U" frame shape assembly shown. Use either "U" frame shape or "A" frame shape.
2. Wire sizes shown are the minimum required.
3. All wire intersections must be resistance welded.
4. Use tie bar spacing for longitudinal dowel bar locations. See Revised Standard Plans RSP P1, RSP P2, RSP P3A, and RSP P3B for tie bar requirements.
5. Weld may be at the top or bottom of the dowel bar.
6. Use anchor pins where soil or granular base is used. See Revised Standard Plan RSP P17 for Anchor Pin Detail.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONCRETE PAVEMENT DOWEL BAR BASKET DETAILS

NO SCALE

RSP P12 DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN P12
DATED MAY 20, 2011 - PAGE 132 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP P12

2010 REVISED STANDARD PLAN RSP P12

5-31-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	65	188

William K. Farnbach
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — William K. Farnbach — No. C49042 — Exp. 9-30-14 CIVIL — STATE OF CALIFORNIA

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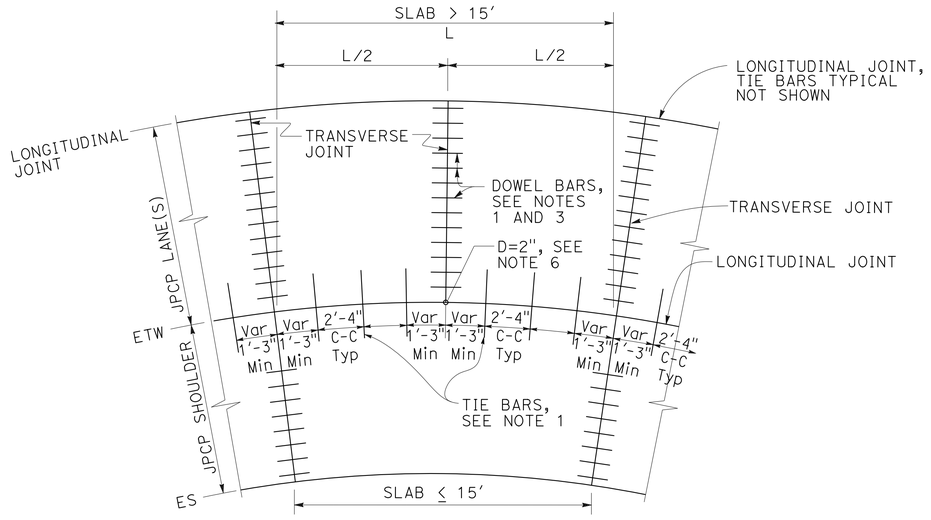
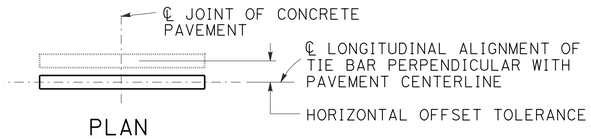
TO ACCOMPANY PLANS DATED 6-23-14

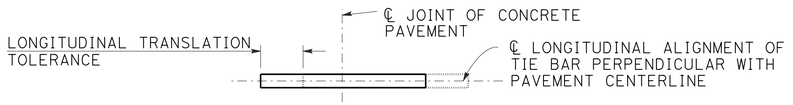


TIE BAR LAYOUT IN CURVED LANES



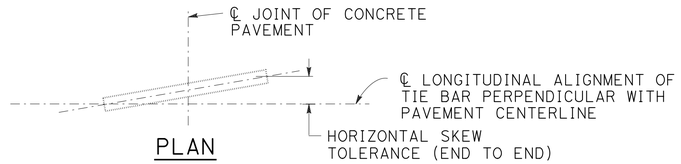
PLAN

HORIZONTAL OFFSET TOLERANCE



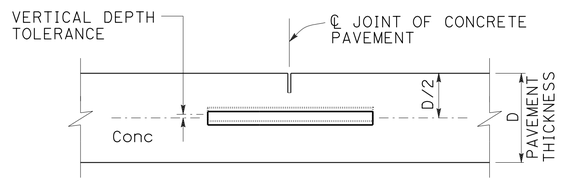
PLAN

LONGITUDINAL TRANSLATION TOLERANCE



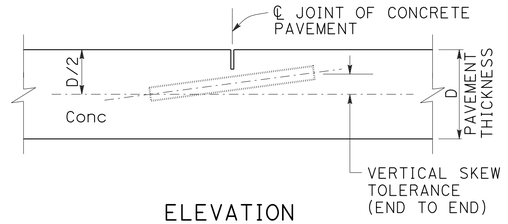
PLAN

HORIZONTAL SKEW TOLERANCE



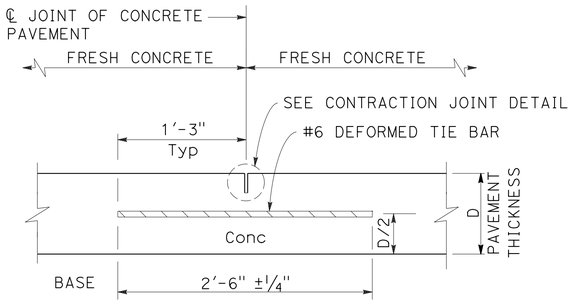
ELEVATION

VERTICAL DEPTH TOLERANCE

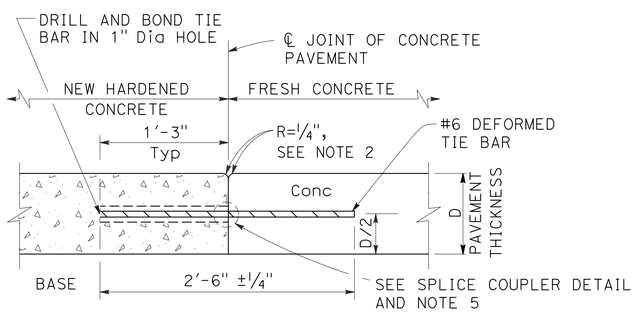


ELEVATION

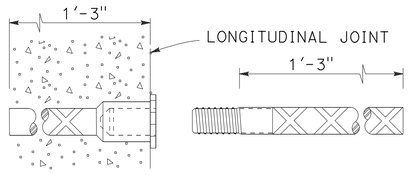
VERTICAL SKEW TOLERANCE



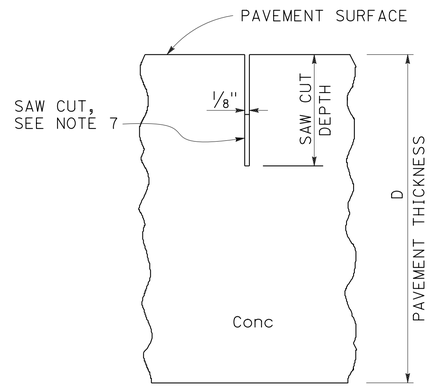
LONGITUDINAL CONTRACTION JOINT



LONGITUDINAL CONSTRUCTION JOINT



ALTERNATIVE SPLICE COUPLER



CONTRACTION JOINT DETAIL

NOTES:

1. See Revised Standard Plan RSP P1 for typical dowel bar and tie bar placement and locations.
2. Where new pavement is placed against existing concrete pavement, rounding the corner is not required.
3. For dowel bar sizes, See Revised Standard Plan RSP P10.
4. Tie bar details apply to inside widenings.
5. Use either drill and bond or splice couplers.
6. Full depth drilled hole. Fill hole with filler material.
7. The bottom of the saw cut must be at least 0.5" clear of any dowel bar, tie bar and bar reinforcement.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONCRETE PAVEMENT-TIE BAR DETAILS

NO SCALE

RSP P15 DATED JULY 19, 2013 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP P15

2010 REVISED STANDARD PLAN RSP P15

5-31-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	66	188

William K. Farnbach
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — William K. Farnbach — No. C49042 — Exp. 9-30-14 — CIVIL — STATE OF CALIFORNIA

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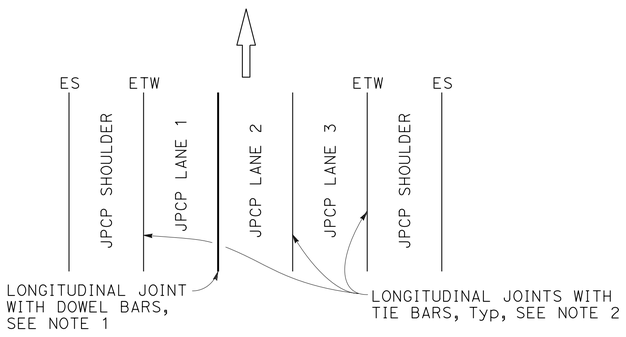
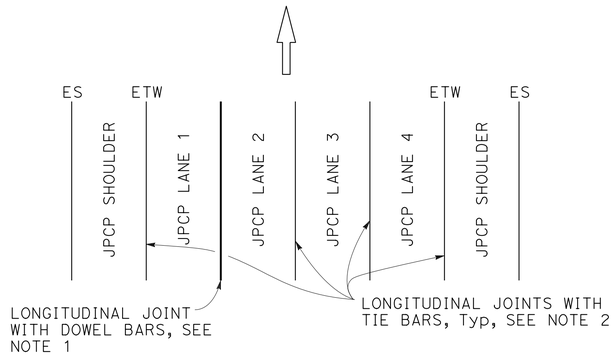
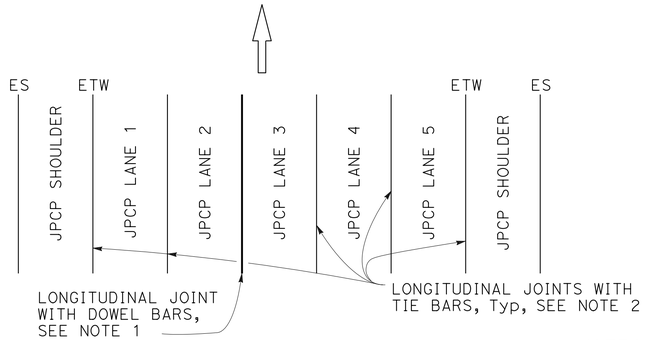
TO ACCOMPANY PLANS DATED 6-23-14



3 LANES WITH CONCRETE SHOULDERS
PLAN



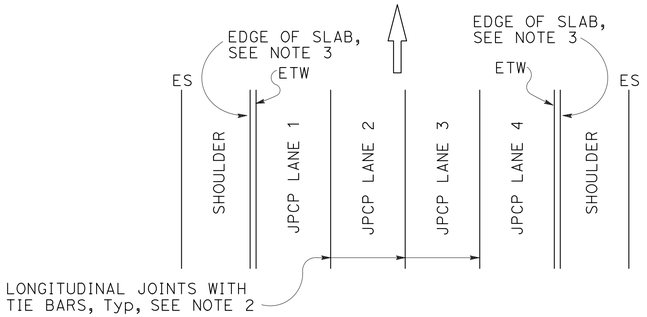
4 LANES WITH CONCRETE SHOULDERS
PLAN



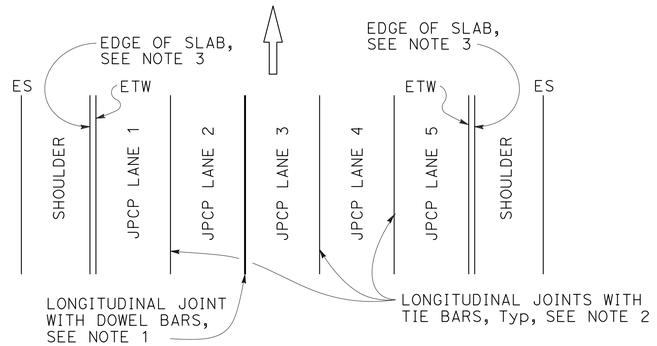
5 LANES WITH CONCRETE SHOULDERS
PLAN

NOTES:

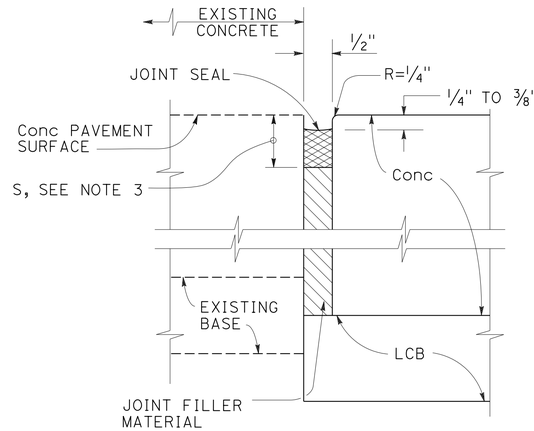
1. See Revised Standard Plan RSP P10 for longitudinal joint with dowel bars.
2. See Revised Standard Plan RSP P15 for longitudinal joint with tie bars.
3. S= Reservoir depth.
   S= 7/8" ± 1/16" for asphalt rubber seals
   S= 9/16" ± 1/16" for silicone seals
   Preformed compression seals must be 13/16" wide and S= 1 11/16" ± 1/16"



4 LANES OR LESS WITH AC SHOULDERS
PLAN

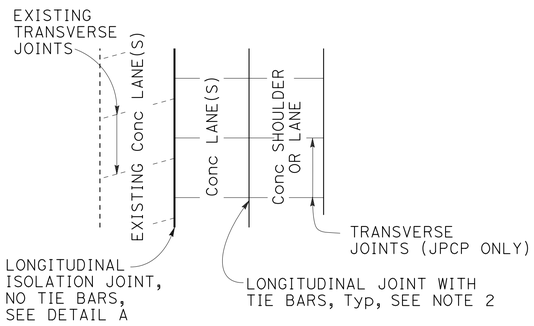


5 LANES WITH AC SHOULDERS
PLAN

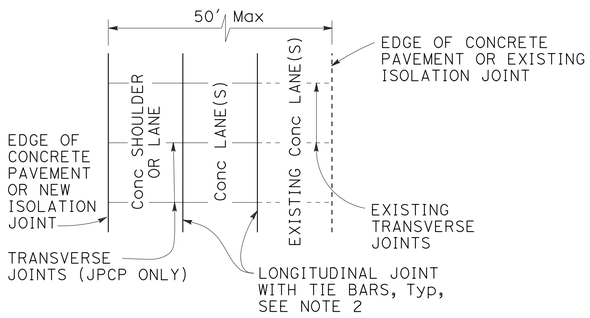


DETAIL "A"
ISOLATION JOINT

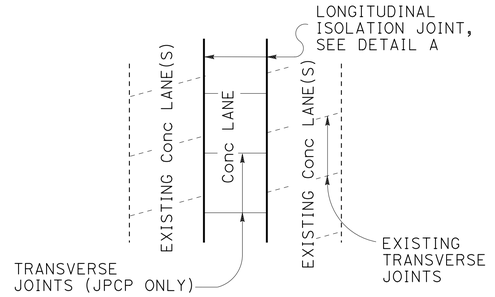
NEW CONSTRUCTION
Location of Longitudinal Joints
For JPCP



CASE 1
PLAN
Transverse Joints do not align between new and existing.



CASE 2
PLAN
Transverse Joints align between new and existing.
(For JPCP only)



CASE 3 (INTERIOR LANE REPLACEMENT)
PLAN
Transverse Joints do not align between new and existing.

LANE/SHOULDER ADDITION OR RECONSTRUCTION
For JPCP and CRCP

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONCRETE PAVEMENT LANE SCHEMATICS AND ISOLATION JOINT DETAIL

NO SCALE

RSP P18 DATED JULY 19, 2013 SUPERSEDES RSP P18 DATED APRIL 20, 2012 AND 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

5-31-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	67	188

William K. Farnbach
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

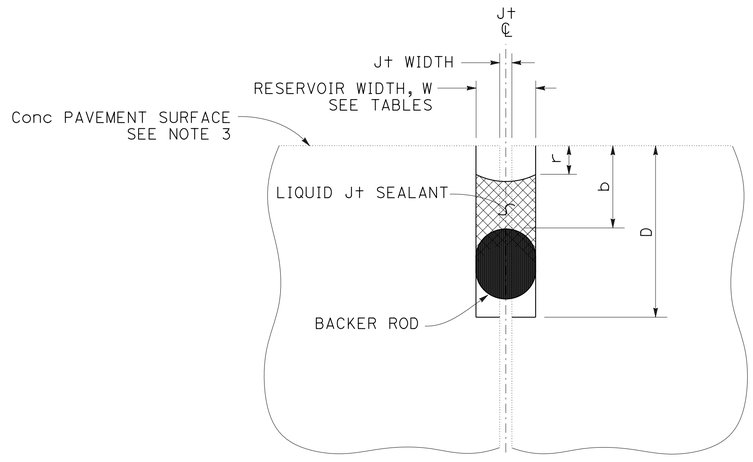
REGISTERED PROFESSIONAL ENGINEER — William K. Farnbach — No. C49042 — Exp. 9-30-14 — CIVIL — STATE OF CALIFORNIA

TO ACCOMPANY PLANS DATED 6-23-14

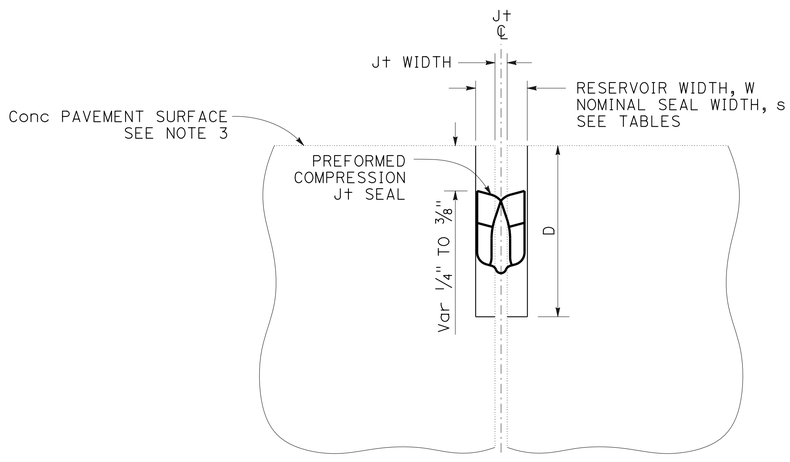
2010 REVISED STANDARD PLAN RSP P20

NOTES:

1. Details do not apply to isolation joints and longitudinal construction joints.
2. Tie bars, dowel bars, and bar reinforcement are not shown.
3. Depths are measured from the final concrete pavement surface elevation after any grinding.



LIQUID JOINT SEALANT



PREFORMED COMPRESSION JOINT SEAL

Const† SEASON	Min RESERVOIR WIDTH * W ± 1/16"
WINTER	1/4"
SPRING	3/8"
SUMMER	
FALL	

* Minimum reservoir width for replace joint seal = existing joint width + 1/8"

RESERVOIR WIDTH W ±1/16"	LIQUID JOINT SEALANT DIMENSIONS					
	BACKER ROD NOMINAL Dia *	DEPTHS (ASPHALT RUBBER) **		DEPTHS (SILICONE)		
		RESERVOIR D ± 1/4"	BACKER ROD b ± 1/16"	RESERVOIR D ± 1/4"	BACKER ROD b ± 1/16"	RECESS r ± 1/16"
1/4"	3/8"	1 3/4"	7/8"	1 3/8"	1/2"	1/4"
3/8"	1/2"	1 7/8"	7/8"	1 1/2"	1/2"	1/4"
1/2"	3/4"	2"	7/8"	1 3/4"	9/16"	5/16"
5/8"	7/8"	2 1/4"	1"	2"	5/8"	5/16"
3/4"	1"	2 3/4"	1 1/8"	2 1/4"	3/4"	3/8"
7/8"	1 1/4"	3"	1 1/4"	2 1/2"	13/16"	3/8"
1"	1 1/2"	3 1/4"	1 3/8"	2 5/8"	7/8"	3/8"
1 1/8"	1 1/2"	3 1/2"	1 1/2"	2 13/16"	1"	1/2"

* Larger diameter backer rods may be substituted according to manufacturer recommendations if reservoir depth is increased equivalently.

** Asphalt rubber sealant recess depth "r" varies from 1/4" to 3/8"

RESERVOIR WIDTH W ±1/16"	PREFORMED COMPRESSION JOINT SEAL DIMENSIONS	
	NOMINAL SEAL WIDTH s	RESERVOIR DEPTH D ± 1/4"
1/4"	7/16"	1 1/4"
3/8"	11/16"	1 7/16"
1/2"	13/16"	1 11/16"
5/8"	1"	1 7/8"
3/4"	1 1/4"	2 1/8"
7/8"	1 5/8"	2 5/8"
1"	1 5/8"	2 5/8"
1 1/8"	2"	2 7/8"

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

JOINT SEALS

NO SCALE

RSP P20 DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN P20
DATED MAY 20, 2011 - PAGE 136 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP P20

6-17-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	68	188

William K. Farnbach
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — William K. Farnbach — No. C49042 — Exp. 9-30-14 — CIVIL — STATE OF CALIFORNIA

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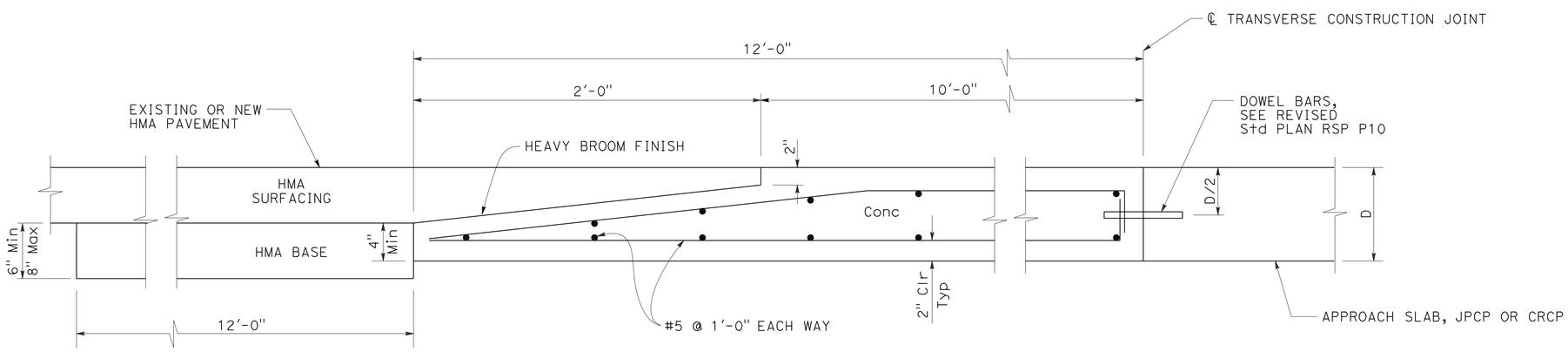
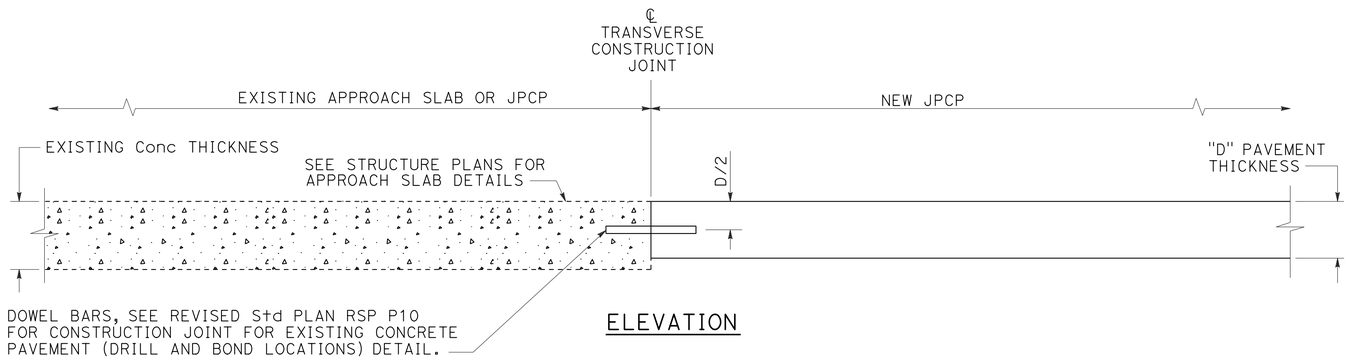
TO ACCOMPANY PLANS DATED 6-23-14



ELEVATION

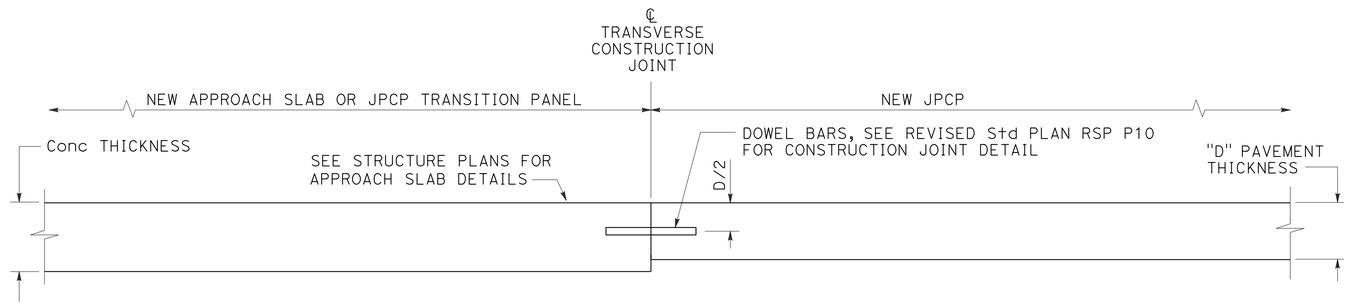
CONCRETE PAVEMENT TRANSITION PANEL



ELEVATION

TERMINAL JOINT TYPE 1

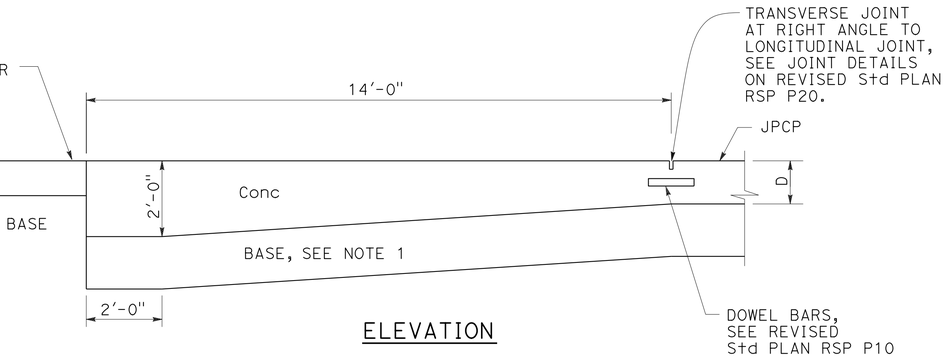
For Exist JPCP or Approach Slab



ELEVATION

TERMINAL JOINT TYPE 2

For JPCP Transition Panel or Approach Slab



ELEVATION

PAVEMENT END ANCHOR

For HMA Pvmt or Approach Slab

NOTE:

1. Maintain same base thickness as JPCP.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONCRETE PAVEMENT-END PANEL PAVEMENT TRANSITIONS

NO SCALE

RSP P30 DATED JULY 19, 2013 SUPERSEDES RSP P30 DATED APRIL 20, 2012 AND STANDARD PLAN P30 DATED MAY 20, 2011 - PAGE 137 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP P30

2010 REVISED STANDARD PLAN RSP P30

3-26-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	69	188

REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

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

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TO ACCOMPANY PLANS DATED 6-23-14

2010 REVISED STANDARD PLAN RSP T9

TABLE 1

TAPER LENGTH CRITERIA AND CHANNELIZING DEVICE SPACING

SPEED (S)	MINIMUM TAPER LENGTH * FOR WIDTH OF OFFSET 12 FEET (W)				MAXIMUM CHANNELIZING DEVICE SPACING		
					X	Y	Z **
	TANGENT 2L	MERGING L	SHIFTING L/2	SHOULDER L/3	TAPER	TANGENT	CONFLICT
mph	ft	ft	ft	ft	ft	ft	ft
20	160	80	40	27	20	40	10
25	250	125	63	42	25	50	12
30	360	180	90	60	30	60	15
35	490	245	123	82	35	70	17
40	640	320	160	107	40	80	20
45	1080	540	270	180	45	90	22
50	1200	600	300	200	50	100	25
55	1320	660	330	220	55	110	27
60	1440	720	360	240	60	120	30
65	1560	780	390	260	65	130	32
70	1680	840	420	280	70	140	35

* - For other offsets, use the following merging taper length formula for L:
For speed of 40 mph or less, $L = WS^2/60$
For speed of 45 mph or more, $L = WS$

Where: L = Taper length in feet
W = Width of offset in feet
S = Posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

** - Use for taper and tangent sections where there are no pavement markings or where there is a conflict between existing pavement markings and channelizers (CA).

TABLE 2

LONGITUDINAL BUFFER SPACE AND FLAGGER STATION SPACING

SPEED *	Min D **	DOWNGRADE Min D ***		
		-3%	-6%	-9%
mph	ft	ft	ft	ft
20	115	116	120	126
25	155	158	165	173
30	200	205	215	227
35	250	257	271	287
40	305	315	333	354
45	360	378	400	427
50	425	446	474	507
55	495	520	553	593
60	570	598	638	686
65	645	682	728	785
70	730	771	825	891

* - Speed is posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

** - Longitudinal buffer space or flagger station spacing

*** - Use on sustained downgrade steeper than -3 percent and longer than 1 mile.

TABLE 3

ADVANCE WARNING SIGN SPACING

ROAD TYPE	DISTANCE BETWEEN SIGNS *		
	A	B	C
	ft	ft	ft
URBAN - 25 mph OR LESS	100	100	100
URBAN - MORE THAN 25 mph TO 40 mph	250	250	250
URBAN - MORE THAN 40 mph	350	350	350
RURAL	500	500	500
EXPRESSWAY / FREEWAY	1000	1500	2640

* - The distances are approximate, are intended for guidance purposes only, and should be applied with engineering judgment. These distances should be adjusted by the Engineer for field conditions, if necessary, by increasing or decreasing the recommmended distances.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM TABLES FOR LANE AND RAMP CLOSURES

NO SCALE

RSP T9 DATED JULY 19, 2013 SUPERSEDES RSP T9 DATED APRIL 19, 2013 THAT SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T9

4-30-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	70	188

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 6-23-14

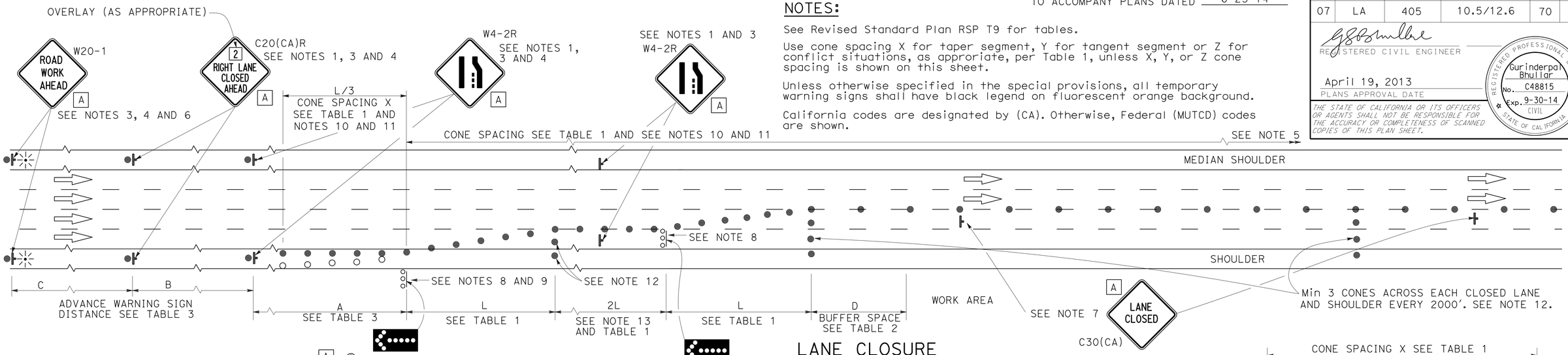
NOTES:

See Revised Standard Plan RSP T9 for tables.

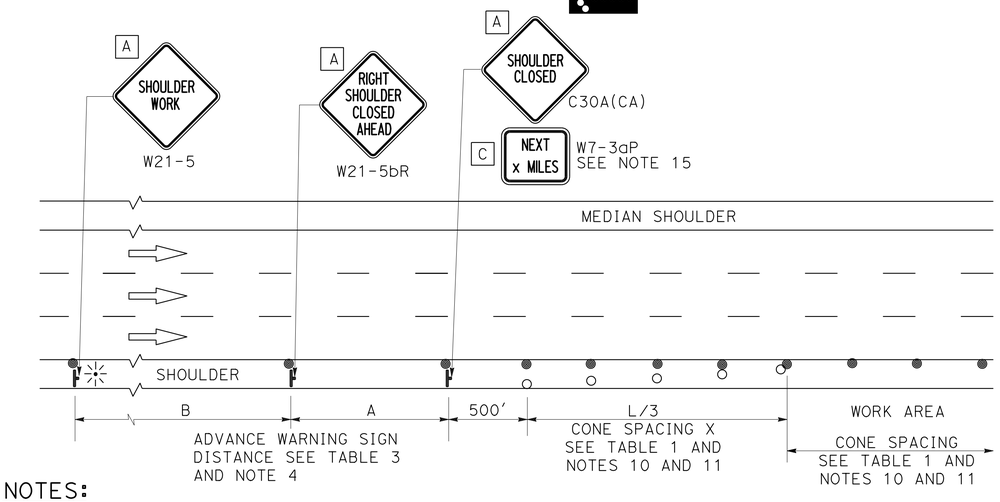
Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as approriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.

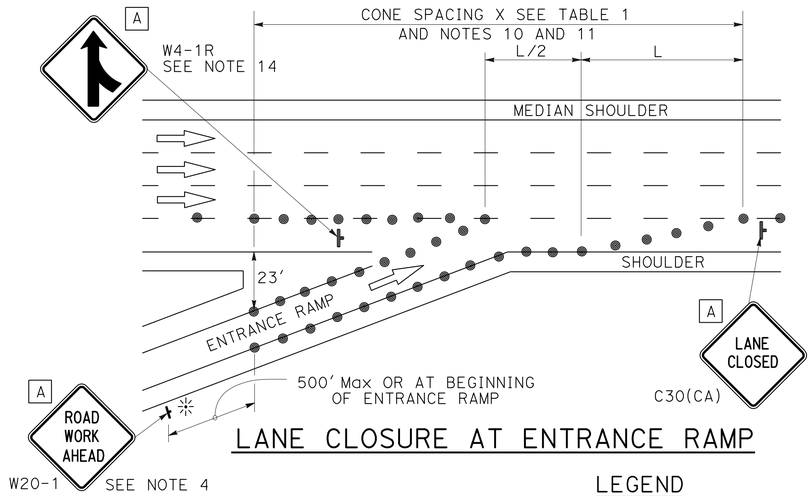
Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background.

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

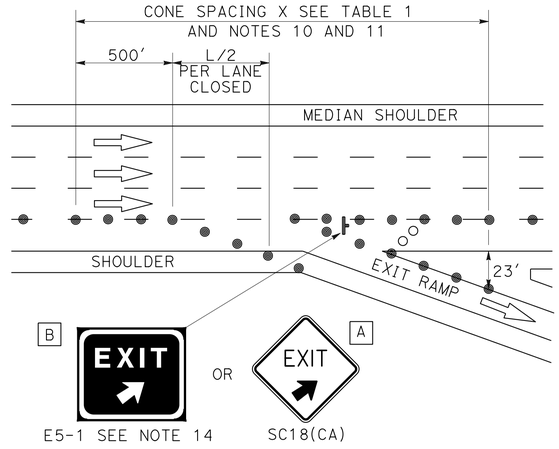


LANE CLOSURE





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.

SHOULDER CLOSURE

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

TO ACCOMPANY PLANS DATED 6-23-14

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	71	188

REGISTERED CIVIL ENGINEER

April 19, 2013
PLANS APPROVAL DATE

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

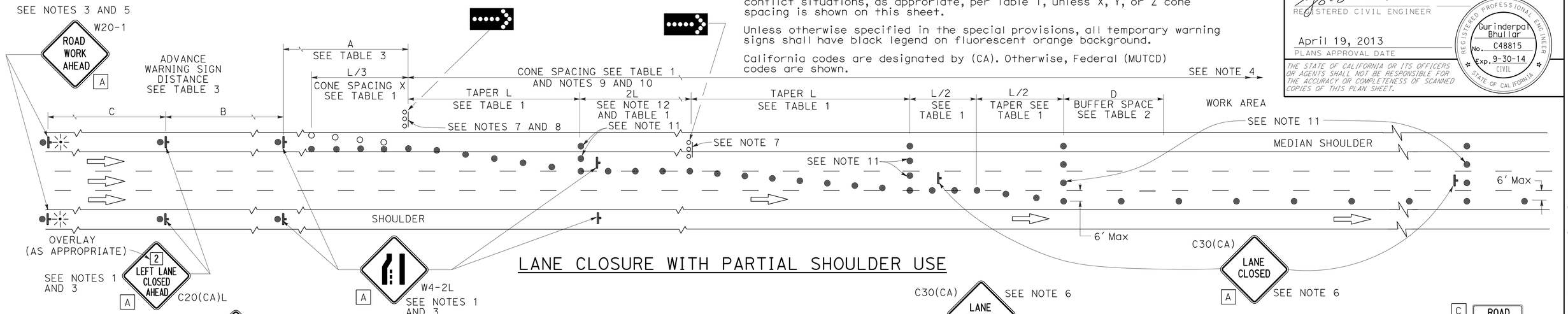
NOTES:

See Revised Standard Plan RSP T9 for tables.

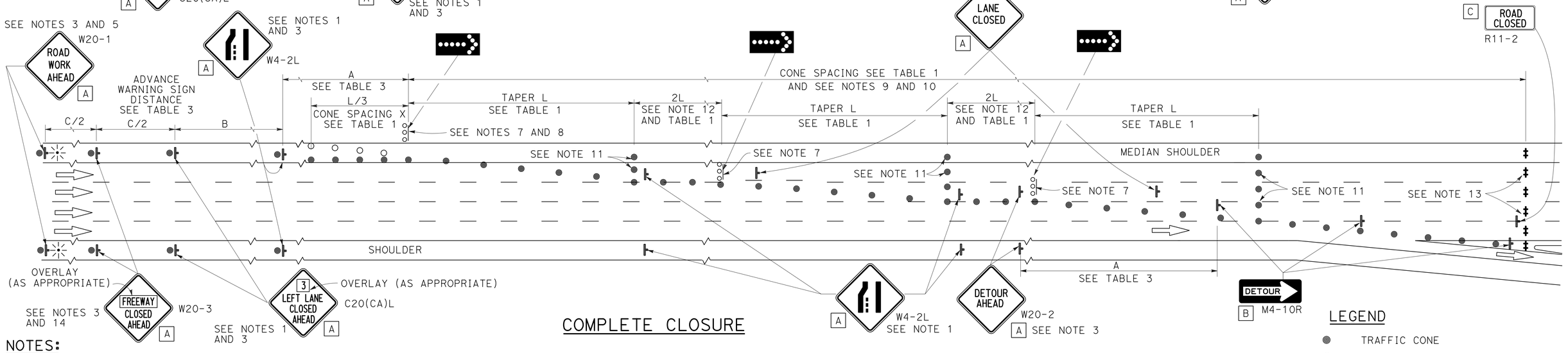
Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as approriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.

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 WITH PARTIAL SHOULDER USE



COMPLETE CLOSURE

NOTES:

1. Lane closures on the right side using partial median shoulder as a traffic lane shall conform to the details as shown except that C20(CA)R and W4-2R 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. 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.
4. 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.
5. 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.
6. Place a C30(CA) sign every 2000' throughout length of lane closure.
7. One flashing arrow sign for each lane closed. The flashing arrow signs shall be Type I.
8. 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 the top of crest vertical curve or on a horizontal curve.
9. All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
10. Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
11. 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 With Partial Shoulder Use" 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.
12. 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.
13. A minimum of Two Type II or III barricades shall be placed across each closed lane and shoulder at the location shown and every 2000' within the complete closure area. Within the complete closure area, the transverse alignment of the barricades on the closed shoulder may be shifted from the transverse alignment to provide access to the work.
14. When specified in the special provisions, a W20-2 "DETOUR AHEAD" sign is to be used in place of the W20-3 "FREEWAY CLOSED AHEAD" sign.

SIGN PANEL SIZE (Min)

A	48" x 48"
B	48" x 18"
C	48" x 30"

LEGEND

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURES ON FREEWAYS AND EXPRESSWAYS

NO SCALE

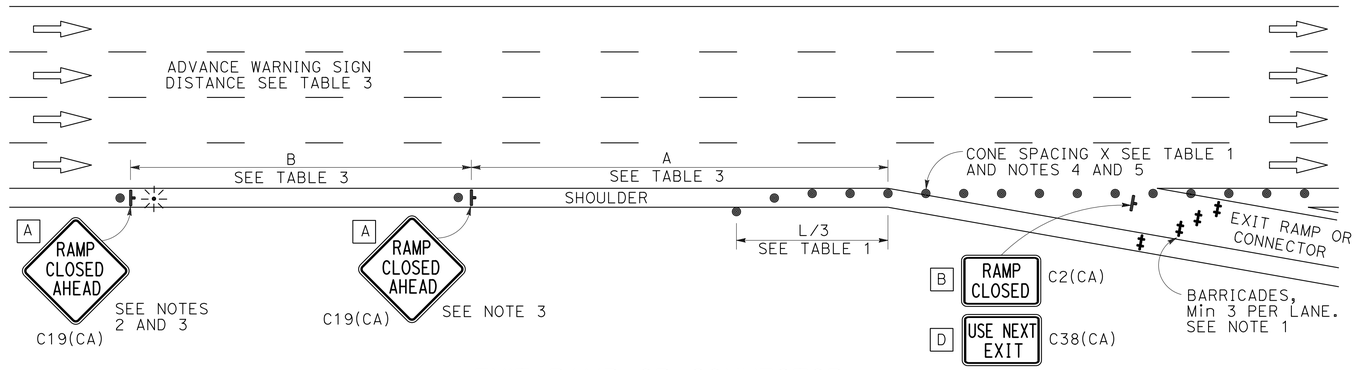
RSP T10A DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T10A DATED MAY 20, 2011 - PAGE 238 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T10A

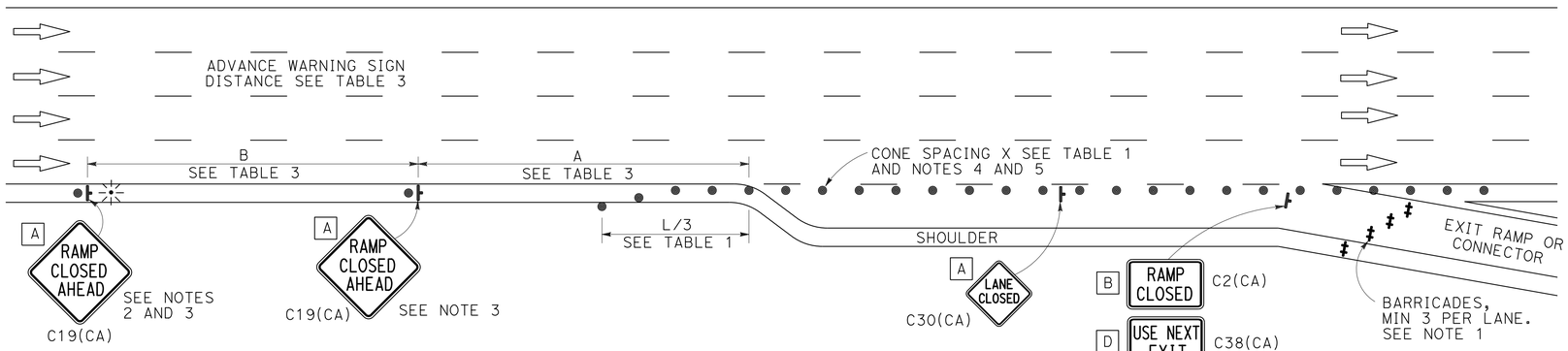
2010 REVISED STANDARD PLAN RSP T10A

12-18-12

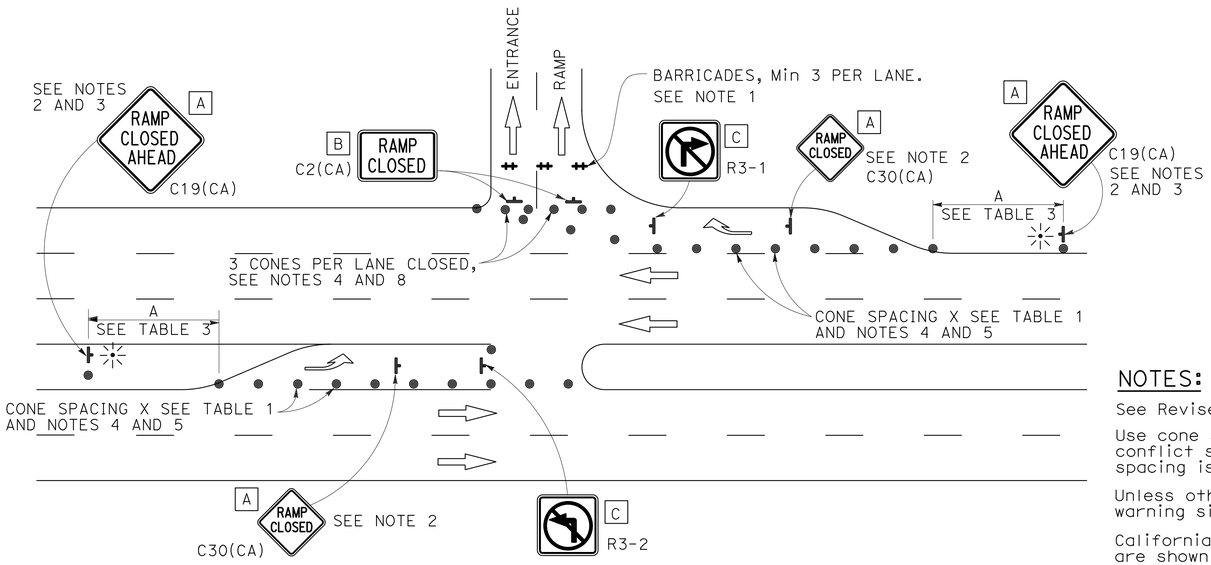
TYPICAL RAMP CLOSURES



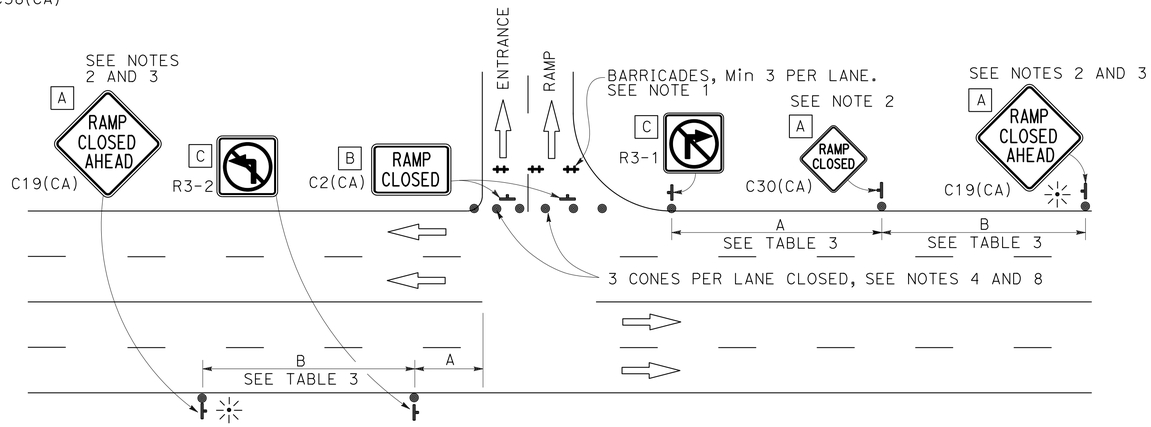
EXIT RAMP OR CONNECTOR



EXIT RAMP OR CONNECTOR WITH ADDITIONAL LANE



ENTRANCE RAMP WITH TURNING POCKETS



ENTRANCE RAMP WITHOUT TURNING POCKETS

SIGN PANEL SIZE (Min)

- A 48" x 48"
- B 48" x 30"
- C 36" x 36"
- D 48" x 36"

LEGEND

- TRAFFIC CONE
- TEMPORARY TRAFFIC CONTROL SIGN
- BARRICADES
- PORTABLE FLASHING BEACON

NOTES:

1. Barricades shall be Type I, II, or III for closures lasting one week or less and Type III for closures lasting longer than one week.
2. In addition to placing the C19(CA) "RAMP CLOSED AHEAD" and C30(CA) "RAMP CLOSED" signs, black on orange overlay plates with the word "CLOSED" may be mounted, as directed by the Engineer, on all guide signs that refer to the closed ramp. The letter size on the overlay shall be the same as the guide sign.
3. Each advance C19(CA) "RAMP CLOSED AHEAD" sign 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. A flashing beacon shall be placed on top of the first C19(CA) sign during hours of darkness.
4. All cones used for ramp closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
5. Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime ramp closures only.
6. At least one person shall be assigned to provide full time maintenance of traffic control devices, unless otherwise directed by the Engineer.
7. The existing "EXIT" signs shall be covered during ramp closures.
8. A minimum of 3 cones shall be placed transversely across each closed lane and shoulder.

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 appropriate, 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.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	72	188

REGISTERED CIVIL ENGINEER

April 19, 2013
PLANS APPROVAL DATE

Gurinderpal Bhullar
No. C48815
Exp. 9-30-14
CIVIL
REGISTERED PROFESSIONAL ENGINEER
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 6-23-14

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR RAMP CLOSURE

NO SCALE

RSP T14 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T14
DATED MAY 20, 2011 - PAGE 242 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T14

2010 REVISED STANDARD PLAN RSP T14

12-18-12

TABLE XV

POST TYPE	PIPE		CAP PLATE SIZE FOR CHORD L's 5 x 5	CAP PLATE SIZE FOR CHORD L's 6 x 6	ROUND PEDESTAL					SQUARE PEDESTAL						SPREAD FOOTING						
					PEDESTAL SIZE	VERTICAL ⌋-BARS		SPIRAL		PEDESTAL SIZE	VERTICAL ⌋-BARS			HOOP		(SEE NOTE 2)	REINFORCEMENT					
																	WIDTH		LONGITUDINAL		FOOTING STIRRUPS	
	NPS	THICKNESS			Dia	EQUALLY SPACED TOTAL	BAR SIZE	BAR SIZE	PITCH	SQUARE	EQUALLY SPACED TOTAL	BAR SIZE	# OF BARS EA FACE	BAR SIZE	SPACING		TOP	BOTTOM	TOP	BOTTOM		
II	14	1/2"	2'-0" x 2'-0" x 1"	2'-2" x 2'-2" x 1"	5'-3"	16	#10	#5	3 1/2"	5'-3"	16	#10	5	#5	3 1/2"	12'-0" x 14'-0" x 2'-6"	14-#6	14-#7	13-#9	13-#9	#5 @ 12	
III	16	↓	2'-2" x 2'-2" x 1"	2'-4" x 2'-4" x 1"	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	12'-0" x 14'-0" x 2'-6"	15-#6	15-#7	↓	↓	↓	
IV	18	↓	2'-4" x 2'-4" x 1"	2'-6" x 2'-6" x 1"	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	12'-0" x 14'-0" x 2'-6"	15-#6	15-#7	↓	↓	↓	
V	20	↓	2'-6" x 2'-6" x 1"	2'-8" x 2'-8" x 1"	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	13'-0" x 14'-0" x 2'-6"	15-#6	15-#7	14-#9	14-#9	↓	
VI	24	↓	2'-10" x 2'-10" x 1"	3'-0" x 3'-0" x 1"	5'-9"	↓	#11	↓	↓	5'-9"	↓	#11	↓	↓	↓	13'-0" x 16'-0" x 2'-6"	17-#7	17-#7	↓	14-#11	↓	
VII	24	3/4"	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	13'-0" x 17'-0" x 2'-6"	18-#7	18-#7	↓	↓	↓	
VIII	24	31/32"	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	13'-0" x 18'-0" x 2'-6"	19-#7	19-#7	↓	↓	↓	
IX	24	31/32"	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	13'-0" x 18'-0" x 2'-6"	19-#7	19-#7	↓	↓	↓	

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	73	188

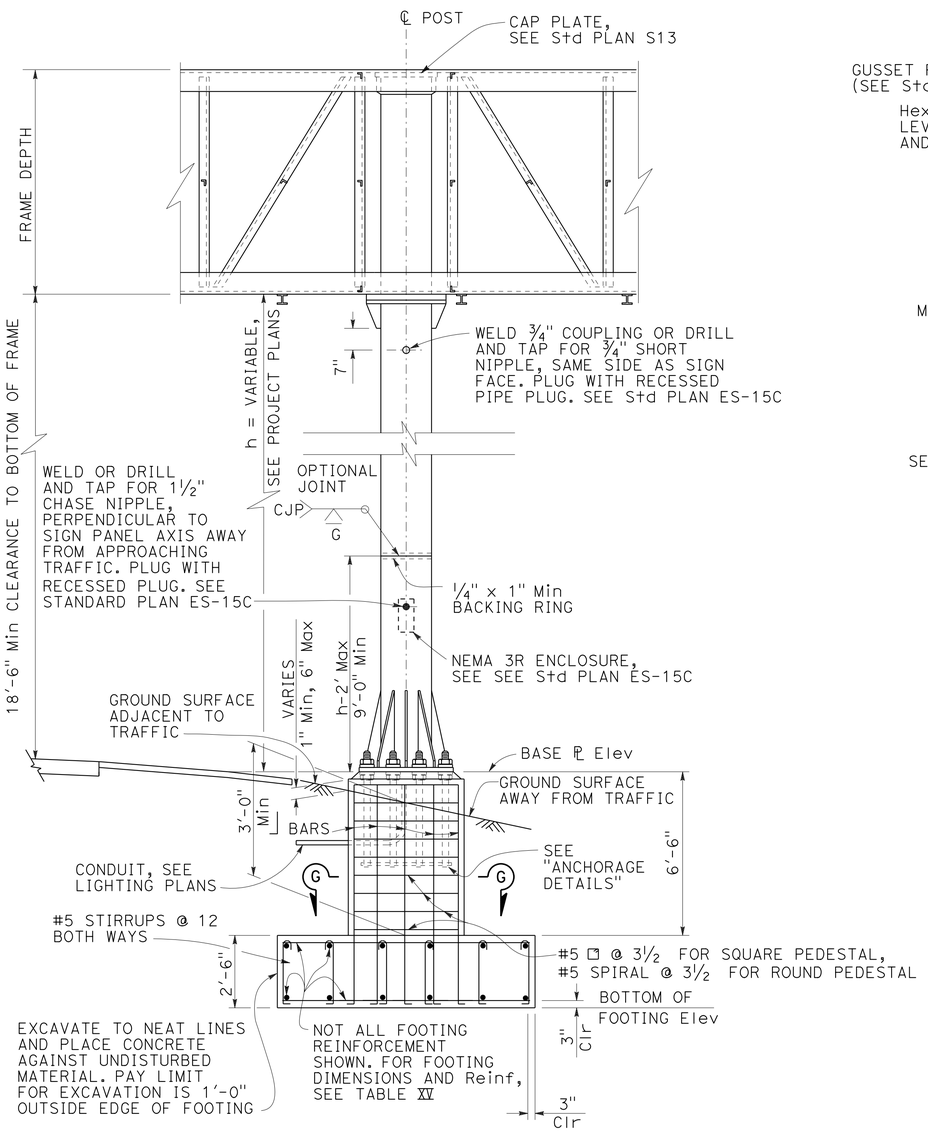
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

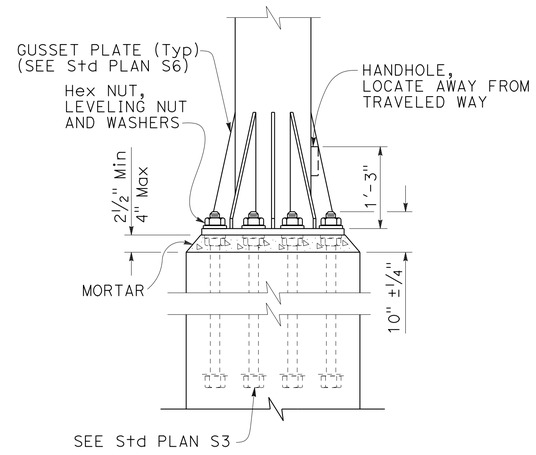
Stanley P. Johnson No. C57793 Exp. 3-31-14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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 6-23-14

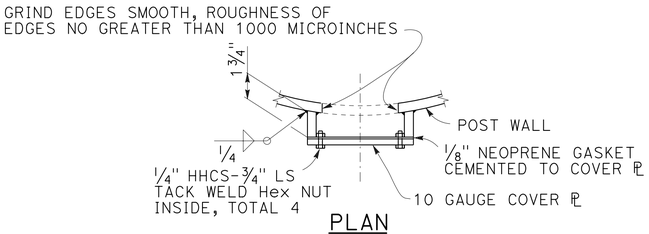


ELEVATION
See Note 5

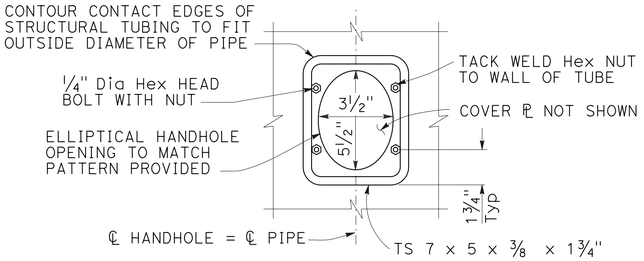


ELEVATION

ANCHORAGE DETAILS



PLAN

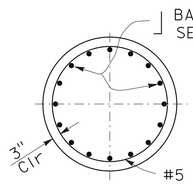


ELEVATION

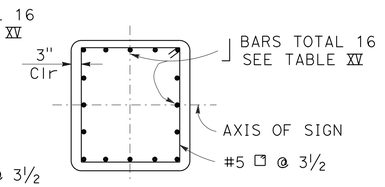
TYPICAL DETAILS OF HANDHOLE AND COVER

NOTES:

1. For "General Notes", see Revised Standard Plan RSP S1.
2. Longer side of footing (longitudinal) shall be normal to axis of sign.
3. Backfill shall be in place prior to erection of post.
4. Thread upper 10" of anchor bolts and galvanize upper 1'-0".
5. Spread footing with square pedestal foundation shown, use Pile Foundation when shown on the Project Plans. For pile foundation details, see Standard Plan S8.
6. Anchor plates may be retained with hexagon nut or formed head as alternatives to details shown.
7. On single post sign structures, the post shall be raked out of plumb, with the use of the leveling nuts to make the bottom of the sign frame level.
8. At final position of post all top and bottom nuts shall be tightened against base plate.
9. When foundation is located on a steep slope with exposed face of concrete adjacent to traffic, see "Detail C" on Standard Plan S8, as applicable.
10. Slope protection required when indicated on the Project Plans.



SECTION G-G
ROUND PEDESTAL



SECTION G-G
SQUARE PEDESTAL

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGNS-TRUSS SINGLE POST TYPE POST TYPES II THROUGH IX

NO SCALE

RSP S2 DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN S2
DATED MAY 20, 2011 - PAGE 335 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP S2

2010 REVISED STANDARD PLAN RSP S2

7-11-13

LEGEND:

AB	ABANDON. IF APPLIED TO CONDUIT, REMOVE CONDUCTORS
BC	INSTALL PULL BOX IN EXISTING CONDUIT RUN
BP	PEDESTRIAN BARRICADE, TYPE AS INDICATED ON PLAN
CB	INSTALL CONDUIT INTO EXISTING PULL BOX
CC	CONNECT NEW AND EXISTING CONDUIT. REMOVE EXISTING CONDUCTORS AND INSTALL CONDUCTORS AS INDICATED
CF	CONDUIT TO REMAIN FOR FUTURE USE. REMOVE CONDUCTORS. INSTALL PULL TAPE
DH	DETECTOR HANDHOLE
FA	FOUNDATION TO BE ABANDONED
IS	INSTALL SIGN ON SIGNAL MAST ARM
NS	NO SLIP BASE ON STANDARD
PEC	PHOTOELECTRIC CONTROL
PEU	PHOTOELECTRIC UNIT
RC	EQUIPMENT OR MATERIAL TO BE REMOVED AND BECOME THE PROPERTY OF THE CONTRACTOR
RE	REMOVE ELECTROLIER, FUSES AND BALLAST. TAPE ENDS OF CONDUCTORS
RL	RELOCATE EQUIPMENT
RR	REMOVE AND REUSE EQUIPMENT
RS	REMOVE AND SALVAGE EQUIPMENT
SC	SPLICE NEW TO EXISTING CONDUCTORS
SD	SERVICE DISCONNECT
TSP	TELEPHONE SERVICE POINT

ABBREVIATIONS

APS	ACCESSIBLE PEDESTRIAN SIGNAL
BBS	BATTERY BACKUP SYSTEM
BC	BOLT CIRCLE
BPB	BICYCLE PUSH BUTTON
C	CONDUIT
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
Ckt	CIRCUIT
CMS	CHANGEABLE MESSAGE SIGN
Ctid	CALTRANS IDENTIFICATION
Comm	COMMUNICATION
DLC	LOOP DETECTOR LEAD-IN CABLE
EMS	EXTINGUISHABLE MESSAGE SIGN
EVUC	EMERGENCY VEHICLE UNIT CABLE
EVUD	EMERGENCY VEHICLE UNIT DETECTOR
FB	FLASHING BEACON
FBCA	FLASHING BEACON CONTROL ASSEMBLY
FBS	FLASHING BEACON WITH SLIP BASE
FO	FIBER OPTIC
G	EQUIPMENT GROUNDING CONDUCTOR
GB	GROUND BUS
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
HAR	HIGHWAY ADVISORY RADIO
Hex	HEXAGONAL
HPS	HIGH PRESSURE SODIUM
IISNS	INTERNALLY ILLUMINATED STREET NAME SIGN
ISL	INDUCTION SIGN LIGHTING
LED	LIGHT EMITTING DIODE
LMA	LUMINAIRE MAST ARM
LPS	LOW PRESSURE SODIUM
Ltg	LIGHTING
Lum	LUMINAIRE
M	METERED
MAT	MAST ARM MOUNTING TOP ATTACHMENT
MAS	MAST ARM MOUNTING SIDE ATTACHMENT
M/M	MULTIPLE TO MULTIPLE TRANSFORMER
Mtg	MOUNTING
MV	MERCURY VAPOR LIGHTING FIXTURE
MVDS	MICROWAVE VEHICLE DETECTION SYSTEM
N	NEUTRAL (GROUNDED CONDUCTOR)
NB	NEUTRAL BUS
NC	NORMALLY CLOSE
NO	NORMALLY OPEN
P	CIRCUIT BREAKER'S POLE
PB	PULL BOX
PBA	PUSH BUTTON ASSEMBLY
PEC	PHOTOELECTRIC CONTROL
Ped	PEDESTRIAN
PEU	PHOTOELECTRIC UNIT
PT	CONDUIT WITH PULL TAPE
RE	RELOCATED EQUIPMENT
RM	RAMP METERING
RWIS	ROADSIDE WEATHER INFORMATION SYSTEM
SB	SLIP BASE
SIC	SIGNAL INTERCONNECT CABLE
Sig	SIGNAL
SMA	SIGNAL MAST ARM
SNS	STREET NAME SIGN
SP	SERVICE POINT
TDC	TELEPHONE DEMARCATION CABINET
TMS	TRAFFIC MONITORING STATION
TOS	TRAFFIC OPERATIONS SYSTEM
Veh	VEHICLE
VIVDS	VIDEO IMAGE VEHICLE DETECTION SYSTEM
WIM	WEIGH-IN-MOTION
Xfmr	TRANSFORMER

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	74	188

Theresa Gabriel
REGISTERED ELECTRICAL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Theresa Aziz Gabriel — No. E15129 — Exp. 6-30-14 — ELECTRICAL — STATE OF CALIFORNIA

TO ACCOMPANY PLANS DATED 6-23-14

SOFFIT AND WALL MOUNTED LUMINAIRES

- PENDANT, 70 W HPS UNLESS OTHERWISE SPECIFIED
- FLUSH, 70 W HPS UNLESS OTHERWISE SPECIFIED
- WALL SURFACE, 70 W HPS UNLESS OTHERWISE SPECIFIED
- EXISTING SOFFIT OR WALL LUMINAIRE TO REMAIN UNMODIFIED
- (M) EXISTING SOFFIT OR WALL LUMINAIRE TO BE MODIFIED AS SPECIFIED

NOTE:
Arrow indicates "street side" of luminaire.

COMMONLY USED SYMBOLS FOR UNITED STATES CUSTOMARY UNITS OF MEASUREMENT:

SYMBOL USED	DEFINITIONS
Ω	OHMS
min	MINUTE
s	SECOND
bps	BITS PER SECOND
Bps	BYTES PER SECOND
A	AMPERE
V	VOLT
V(dc)	VOLT (DIRECT CURRENT)
V(ac)	VOLT (ALTERNATING CURRENT)
FC	FOOT - CANDLE
W	WATTS
VA	VOLT-AMPERE
M	MEGA
k	KILO
m	MILLI
μ	MICRO
P	PICO
Hz	HERTZ

MISCELLANEOUS ELECTROLIERS

NEW	EXISTING	
		LUMINAIRE ON WOOD POLE
		NON-STANDARD ELECTROLIER (SEE PROJECT NOTES OR PROJECT PLANS)
		CITY ELECTROLIER
		ELECTROLIER FOUNDATION (FUTURE INSTALLATION)

NOTES:

1. HPS luminaires shall be 310 W HPS when installed on Type 21, 21D, 30, 31 and 32 Standards, unless otherwise specified. HPS luminaires shall be 200 W when installed on other type standards or poles, unless otherwise specified.
2. LED luminaires shall be 235 W when installed on Type 21, 21D, 30, 31 and 32 Standards, unless otherwise specified. LED luminaires shall be 165 W when installed on other type standards or poles, unless otherwise specified.
3. Luminaires shall be the cutoff type, ANSI Type III medium cutoff lighting distribution, unless otherwise specified.

STANDARD ELECTROLIER

NEW	EXISTING	STANDARD TYPE
		15
		15D
		15 STRUCTURE
		15D STRUCTURE
		21
		21D
		21 STRUCTURE
		21D STRUCTURE
		30
		31
		32

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (LEGEND AND ABBREVIATIONS)

NO SCALE

RSP ES-1A DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN ES-1A DATED MAY 20, 2011 - PAGE 425 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-1A

2010 REVISED STANDARD PLAN RSP ES-1A

7-15-13

CONDUIT

NEW	EXISTING	
		LIGHTING CONDUIT, UNLESS OTHERWISE INDICATED OR NOTED
		TRAFFIC SIGNAL CONDUIT
C	c	COMMUNICATION CONDUIT
T	t	TELEPHONE CONDUIT
F	f	FIRE ALARM CONDUIT
FO	fo	FIBER OPTIC CONDUIT
		CONDUIT TERMINATION
R	r	CONDUIT RISER ATTACHED TO THE STRUCTURE OR SERVICE POLE

SERVICE EQUIPMENT

NEW	EXISTING	
OH	oh	OVERHEAD LINES
U	U	WOOD POLE, "U" INDICATES UTILITY OWNED
		POLE GUY WITH ANCHOR
		UTILITY TRANSFORMER - GROUND MOUNTED
III	III	SERVICE EQUIPMENT ENCLOSURE TYPE. DOOR INDICATES FRONT OF ENCLOSURE
T	t	TELEPHONE DEMARCATION CABINET

POLE-MOUNTED SERVICE DESIGNATION

TYPE H SERVICE, 28'-10" — TYPE OF INSTALLATION AND POLE HEIGHT ABOVE GRADE

FLASHING BEACON

NEW	EXISTING	
R	R	FLASHING BEACON (ONE VEHICLE SIGNAL HEAD WITH BACKPLATE AND VISOR) "R" INDICATES RED INDICATION, "Y" INDICATES YELLOW INDICATION
Y / Y	Y / Y	FLASHING BEACON WITH TYPE 15-FBS STANDARD AND A SIGN.
R R	R R	FLASHING BEACON WITH TYPES 9, 9A OR 9B SIGN UNLESS OTHERWISE SPECIFIED OR INDICATED

SIGNAL EQUIPMENT

NEW	EXISTING	
C	C	PEDESTRIAN SIGNAL HEAD "C" INDICATES COUNTDOWN PEDESTRIAN HEAD
		PUSH BUTTON ASSEMBLY POST
		PEDESTRIAN BARRICADE
		VEHICLE SIGNAL HEAD (WITH BACKPLATE AND 3-SECTIONS: RED, YELLOW AND GREEN)
		VEHICLE SIGNAL HEAD WITH ANGLE VISOR
PV	PV	MODIFICATIONS OF BASIC SYMBOL: "L" INDICATES ALL NON-ARROW SECTIONS LOUVERED "LG" INDICATES LOUVERED GREEN SECTION ONLY "PV" INDICATES ALL 12" SECTIONS PROGRAMMED VISIBILITY "8" INDICATES ALL 8" SECTIONS (ONLY WHEN SPECIFIED)
		VEHICLE SIGNAL HEAD CONSISTING OF RED, YELLOW AND GREEN LEFT ARROW SECTIONS
		VEHICLE SIGNAL HEAD CONSISTING OF RED AND YELLOW SECTIONS WITH AN UP GREEN ARROW SECTION
		VEHICLE SIGNAL HEAD (5 SECTION) CONSISTING OF RED, YELLOW AND GREEN SECTIONS WITH YELLOW AND GREEN RIGHT ARROW SECTIONS
		TYPE 15TS STANDARD WITH VEHICLE SIGNAL HEAD AND LUMINAIRE
		TYPE 21TS STANDARD WITH VEHICLE SIGNAL HEAD AND LUMINAIRE
		STANDARD WITH LUMINAIRE AND SIGNAL MAST ARMS AND ATTACHED VEHICLE SIGNAL HEADS
		TYPE 1 STANDARD WITH ATTACHED VEHICLE SIGNAL HEADS
		STANDARD WITH A SIGNAL MAST ARM, ATTACHED VEHICLE SIGNAL HEADS AND INTERNALLY ILLUMINATED STREET NAME SIGN
		CONTROLLER ASSEMBLY. DOOR INDICATES FRONT OF CABINET

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	75	188

Theresa Gabriel
REGISTERED ELECTRICAL ENGINEER

REGISTERED PROFESSIONAL ENGINEER — Theresa Aziz Gabriel — No. E15129 — Exp. 6-30-14 ELECTRICAL — STATE OF CALIFORNIA

July 19, 2013
PLANS APPROVAL DATE

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

TO ACCOMPANY PLANS DATED 6-23-14

SIGNAL EQUIPMENT Cont

NEW	EXISTING	
		GUARD POST
		TYPE 1 STANDARD WITH RAMP METERING SIGN
		OPTICAL DETECTOR FOR THE EMERGENCY VEHICLE DETECTION SYSTEM

NOTES:

1. All signal sections shall be 12" unless shown otherwise.
2. Signal heads shall be provided with backplates unless shown otherwise.

ILLUMINATED OVERHEAD SIGN

NEW	EXISTING	
		SINGLE POST, SINGLE ILLUMINATED SIGN, BALANCED BUTTERFLY
		SINGLE POST, DOUBLE ILLUMINATED SIGN, BALANCED BUTTERFLY
		SINGLE POST, SINGLE ILLUMINATED SIGN, FULL CANTILEVER
		DOUBLE POST, SINGLE ILLUMINATED SIGN
		SINGLE ILLUMINATED SIGN MOUNTED ON STRUCTURE
		DOUBLE POST, SINGLE ILLUMINATED SIGN WITH ELECTROLIER

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (LEGEND AND ABBREVIATIONS)

NO SCALE

RSP ES-1B DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN ES-1B DATED MAY 20, 2011 - PAGE 426 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-1B

2010 REVISED STANDARD PLAN RSP ES-1B

7-15-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	76	188

Theresa Gabriel
REGISTERED ELECTRICAL ENGINEER

Theresa Aziz Gabriel No. E15129 Exp. 6-30-14 ELECTRICAL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

July 19, 2013
PLANS APPROVAL DATE

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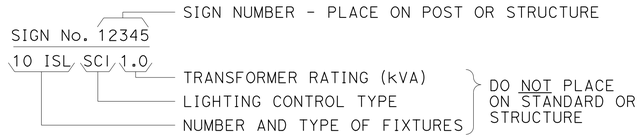
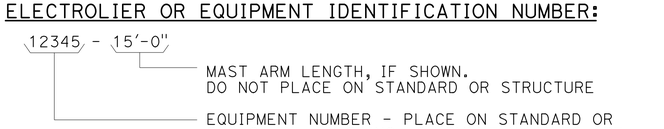
TO ACCOMPANY PLANS DATED 6-23-14

EQUIPMENT IDENTIFICATION

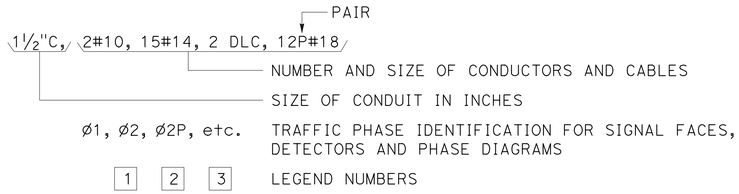
ILLUMINATED SIGN IDENTIFICATION NUMBER:



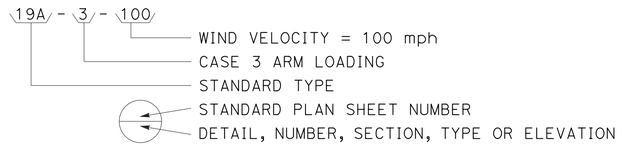
ELECTROLIER OR EQUIPMENT IDENTIFICATION NUMBER:



CONDUIT AND CONDUCTOR IDENTIFICATION:



SIGNAL AND LIGHTING STANDARD (TYPICAL DESIGNATION):



MISCELLANEOUS EQUIPMENT

NEW	EXISTING	
CMS	cms	CHANGEABLE MESSAGE SIGN
		CLOSED CIRCUIT TELEVISION CAMERA
		HIGHWAY ADVISORY RADIO POLE AND ANTENNA
EMS	ems	EXTINGUISHABLE MESSAGE SIGN
M V	m v	DETECTION DEVICE M = MICROWAVE SENSOR V = VIDEO IMAGE SENSOR

WIRING DIAGRAM LEGEND

----	EXTERNAL CONDUCTOR
——	CONDUCTOR OR BUS
—●—	TIE POINT
—∿—	CONTACTOR COIL
—||—	CONTACTOR, NO CONTACT
—⊗—	TERMINAL BLOCKS
—|/|—	CONTACTOR, NC CONTACT
	ENCLOSURE BOND
	GROUNDING ELECTRODE
—●\ —	CIRCUIT BREAKER
Ⓡ	RECEPTACLE

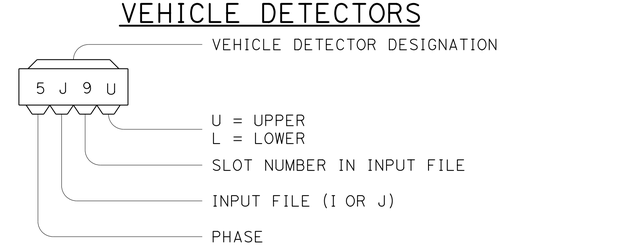
PULL BOXES

NEW	EXISTING	
		PULL BOX, No. 5 UNLESS OTHERWISE INDICATED OR NOTED
3	9A(21)	PULL BOX, ADDITIONAL DESIGNATIONS OR DESCRIPTIONS

3 No. 3½ PULL BOX
5 No. 5 PULL BOX
6 No. 6 PULL BOX
7 No. 7 (CEILING PULL BOX)
8 No. 8 (PENDANT SOFFIT PULL BOX)
9 No. 9 PULL BOX
9A No. 9A PULL BOX

(C) COMMUNICATIONS PULL BOX
(E) PULL BOX WITH EXTENSION
(S) SPRINKLER CONTROL PULL BOX
(21) ANCHOR BOLTS AND CONDUIT FOR FUTURE INSTALLATION OF TYPE 21 STANDARD
(T) TRAFFIC PULL BOX

VEHICLE DETECTORS



NEW	EXISTING	
		TYPE A DETECTOR LOOP. OUTLINE OF SAWCUT SHOWN
		TYPE B DETECTOR LOOP. OUTLINE OF SAWCUT SHOWN
		TYPE C DETECTOR LOOP. OUTLINE OF SAWCUT SHOWN
		TYPE D DETECTOR LOOP. OUTLINE OF SAWCUT SHOWN
		TYPE E DETECTOR LOOP. OUTLINE OF SAWCUT SHOWN
		TYPE Q DETECTOR LOOP. OUTLINE OF SAWCUT SHOWN
		MAGNETIC DETECTOR
DH	dh	DETECTOR HANDHOLE
		MICROWAVE OR VIDEO DETECTION ZONE

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (LEGEND AND ABBREVIATIONS)

NO SCALE

RSP ES-1C DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN ES-1C DATED MAY 20, 2011 - PAGE 427 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-1C

2010 REVISED STANDARD PLAN RSP ES-1C

7-11-13

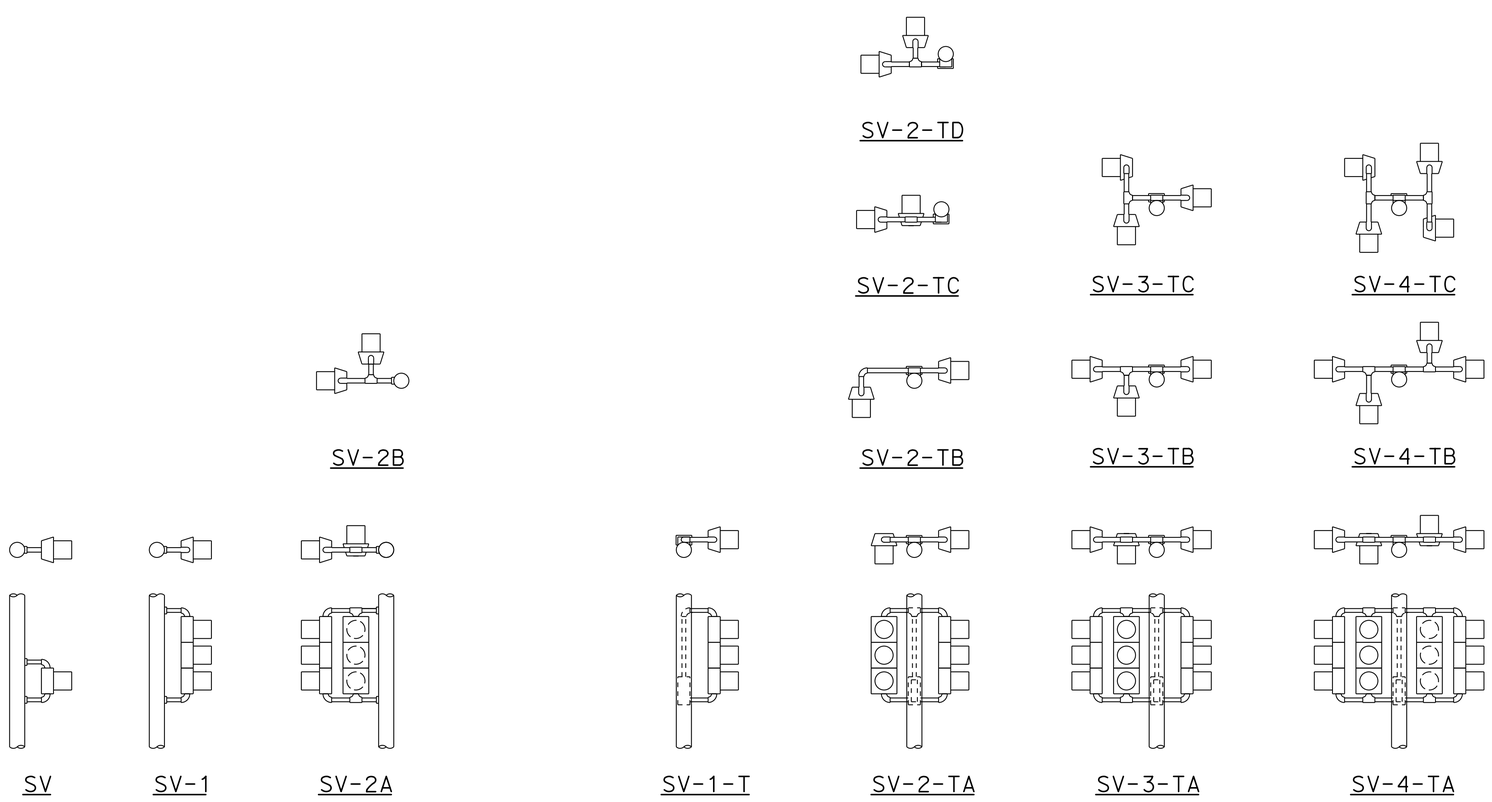
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	77	188

Theresa Gabriel
REGISTERED ELECTRICAL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

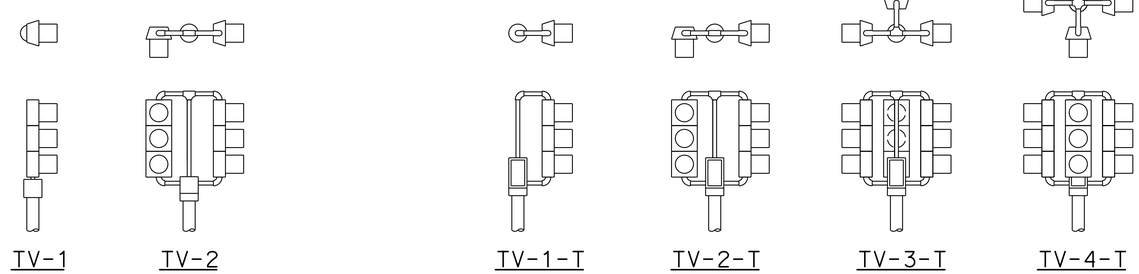
REGISTERED PROFESSIONAL ENGINEER
Theresa Aziz Gabriel
No. E15129
Exp. 6-30-14
ELECTRICAL
STATE OF CALIFORNIA

TO ACCOMPANY PLANS DATED 6-23-14



PLAN VIEW OF OTHER SIDE MOUNTINGS

SIDE MOUNTINGS



PLAN VIEW OF TOP MOUNTINGS

TOP MOUNTINGS

ABBREVIATIONS:

SV	SIDE MOUNTED VEHICLE SIGNALS
T	TERMINAL COMPARTMENT
TV	TOP MOUNTED VEHICLE SIGNALS
1, 2, 3, 4	NUMBER OF SIGNAL FACES (3 - SECTION, UNLESS OTHERWISE INDICATED)
A, B, C, D	CONFIGURATION OF SIGNALS

NOTES:

1. Mountings shall be oriented to provide maximum horizontal clearance to adjacent roadway.
2. Bracket arms shall be long enough to permit proper alignment of signals and backplate installation.
3. See Standard Plans ES-4D and ES-4E for attachment fitting details.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (VEHICULAR SIGNAL HEADS AND MOUNTINGS)

NO SCALE

RSP ES-4A DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN ES-4A
DATED MAY 20, 2011 - PAGE 443 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-4A

2010 REVISED STANDARD PLAN RSP ES-4A

7-9-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	78	188

Theresa Gabriel
REGISTERED ELECTRICAL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Theresa Aziz Gabriel — No. E15129 — Exp. 6-30-14 — ELECTRICAL — STATE OF CALIFORNIA

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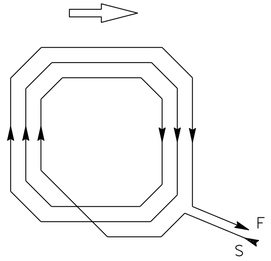
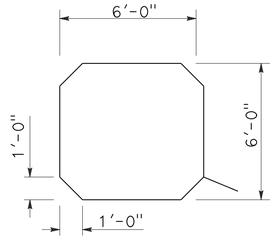
TO ACCOMPANY PLANS DATED 6-23-14

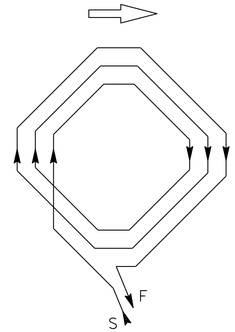


WINDING DETAIL

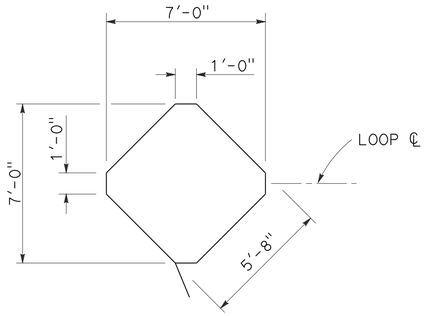


SAWCUT DETAIL

TYPE A LOOP DETECTOR CONFIGURATION

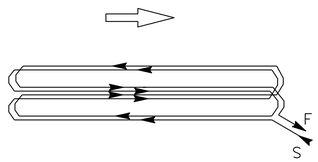


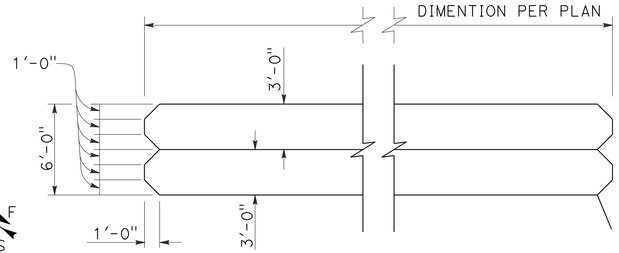
WINDING DETAIL



SAWCUT DETAIL

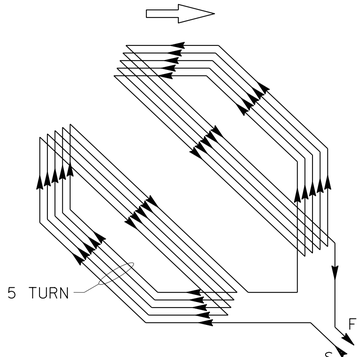
TYPE B LOOP DETECTOR CONFIGURATION



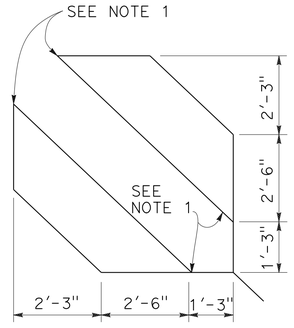


WINDING DETAIL SAWCUT DETAIL

TYPE C LOOP DETECTOR CONFIGURATION

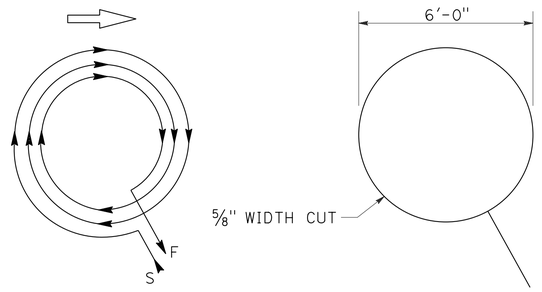


WINDING DETAIL



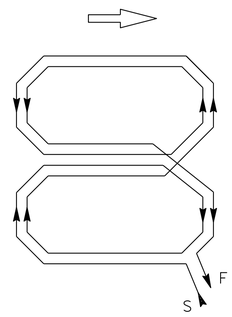
SAWCUT DETAIL

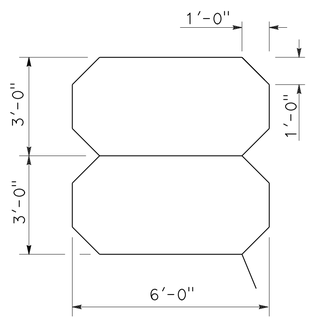
TYPE D LOOP DETECTOR CONFIGURATION



WINDING DETAIL SAWCUT DETAIL

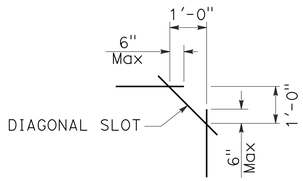
TYPE E LOOP DETECTOR CONFIGURATION





WINDING DETAIL SAWCUT DETAIL

TYPE Q LOOP DETECTOR CONFIGURATION



PLAN VIEW OF DIAGONAL SLOT AT CORNERS

NOTES:

1. Round corners of acute angle sawcuts to prevent damage to conductors.
2. Typical distance separating loops from edge to edge is 10' for Type A, B, D and E installation in single lane.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (DETECTORS)

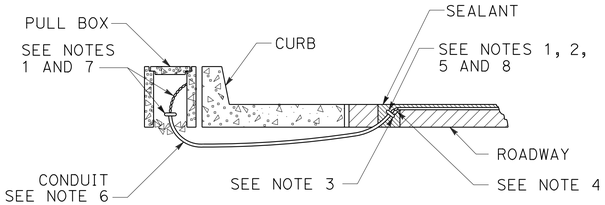
NO SCALE

RSP ES-5B DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN ES-5B DATED MAY 20, 2011 - PAGE 449 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-5B

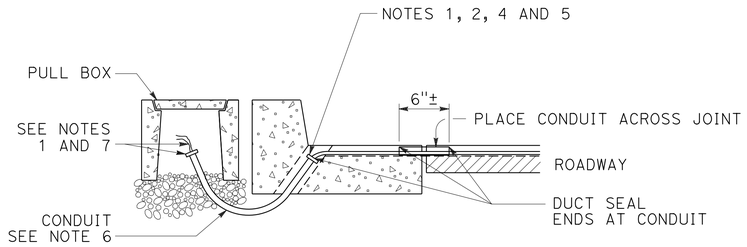
2010 REVISED STANDARD PLAN RSP ES-5B

7-9-13

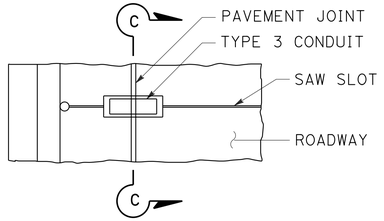


TYPE A

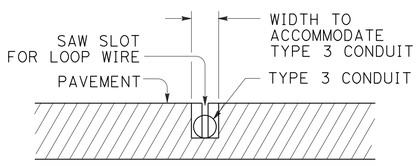
CURB TERMINATION DETAIL



CROSS SECTION



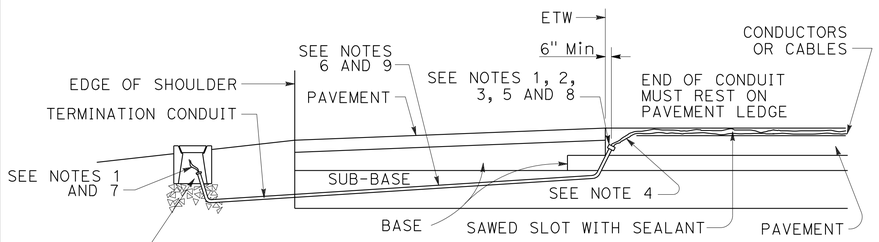
PLAN VIEW



SECTION C-C

TYPE B

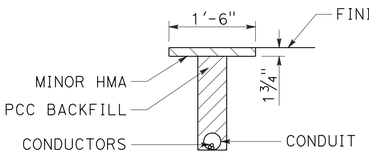
CURB TERMINATION DETAIL



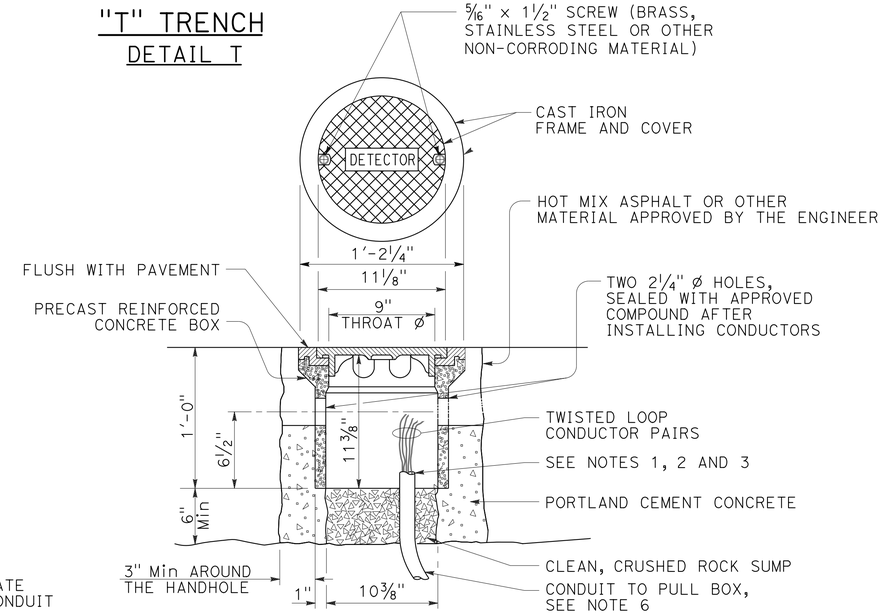
CROSS SECTION

PLAN VIEW

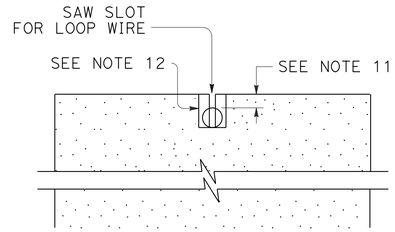
SHOULDER TERMINATION DETAILS



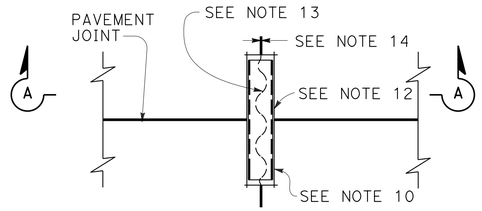
"T" TRENCH DETAIL T



DETECTOR HANDHOLE DETAIL

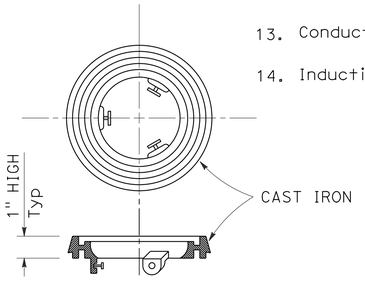


SECTION A-A



PLAN VIEW

TYPICAL LOOP LEAD-IN DETAIL AT PAVEMENT JOINT



LOCKING GRADE RING

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	79	188

Theresa Gabriel
REGISTERED ELECTRICAL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Theresa Aziz Gabriel — No. E15129 — Exp. 6-30-14 ELECTRICAL — 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 6-23-14

NOTES:

1. Bushing shall be used at end of conduit.
2. Tape detector conductors or cables 3" each side of bushings.
3. Install duct seal compound to each end of termination conduit before installing sealant.
4. Round all sharp edges where detector conductors or cables have to pass.
5. End of conduit shall be 3⅛" below roadway surface.
6.

Conduit size	Loop conductors
1"C minimum	1 to 2 pairs
1½"C minimum	3 to 4 pairs
2"C minimum	5 or more pairs

7. Splice detector conductors or cables to detector lead-in-cable.
8. Location of detector handhole when shown on plans.
9. When the shoulder and traveled way are paved with the same material and there is no joint between them, the conduit shall extend only 2'-0" into the shoulder pavement.
10. ¾"C, Type 3 conduit 6" long minimum, plug both ends with duct compound to keep out sealant.
11. ½" Minimum between top of conduit and pavement surface.
12. Sawcut shall not exceed 1" in width and ⅛" longer than conduit to be installed.
13. Conductors with ½" minimum slack inside conduit.
14. Inductive loop detector saw slot.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (CURB TERMINATION AND HANDHOLE)

NO SCALE

RSP ES-5D DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN ES-5D
DATED MAY 20, 2011 - PAGE 451 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-5D

2010 REVISED STANDARD PLAN RSP ES-5D

7-9-13

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	405	10.5/12.6	80	188

Theresa Gabriel
REGISTERED ELECTRICAL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Theresa Aziz Gabriel — No. E15129 — Exp. 6-30-14 — ELECTRICAL — STATE OF CALIFORNIA

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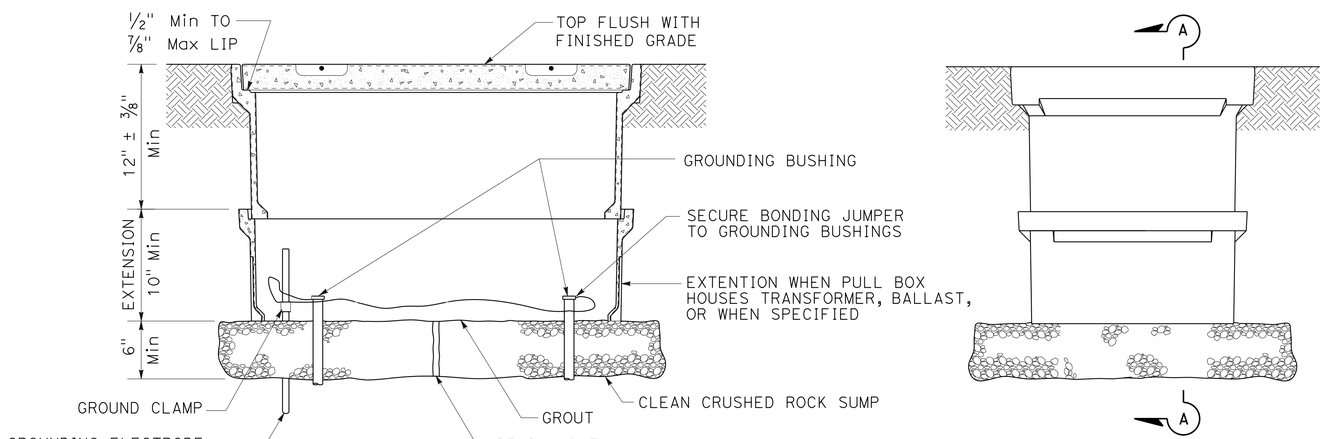
TO ACCOMPANY PLANS DATED 6-23-14

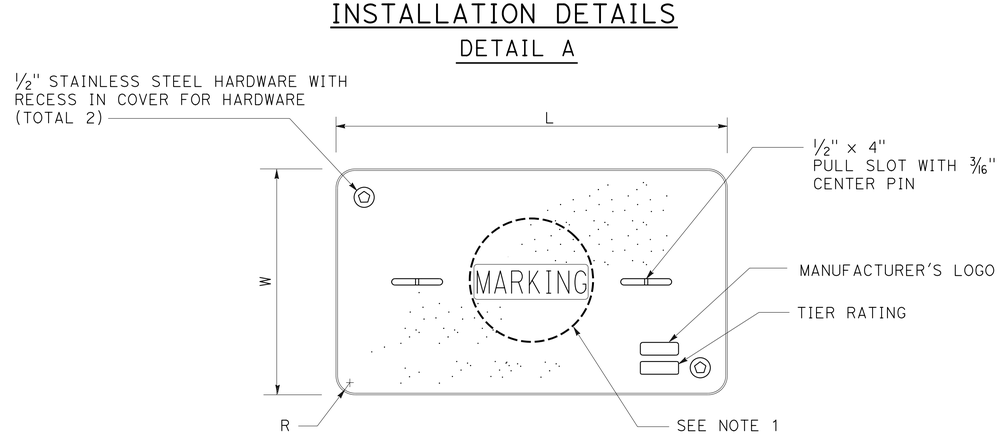


SECTION A-A

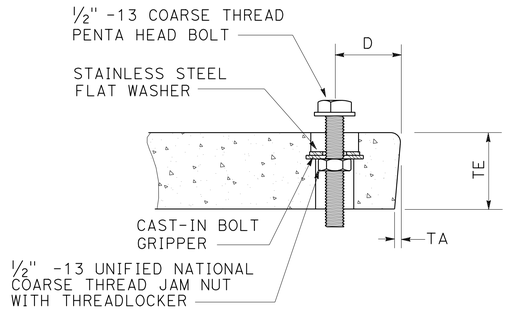
SIDE VIEW

INSTALLATION DETAILS

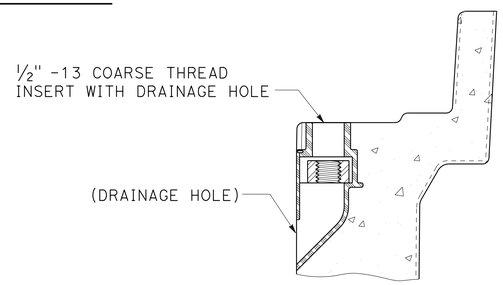
DETAIL A



COVER TOP VIEW



TYPICAL COVER CAPTIVE BOLT
OR SIMILAR



TYPICAL THREADED INSERT
OR SIMILAR

DIMENSION TABLE										
PULL BOX	PULL BOX			COVER						
	MINIMUM DEPTH BOX	MINIMUM DEPTH EXTENSION	MAXIMUM WEIGHT	L	W	R	TE	TA	D	MAXIMUM WEIGHT
No. 3½	12"	N/A	40 lb	1′ - 3⅜"	10⅛"	1⅜"	2"	⅛"	1¾"	30 lb
No. 5	12"	10"	55 lb	1′ - 11¼"	1′ - 1¾"	1⅜"	2"	⅛"	1¾"	60 lb
No. 6	12"	10"	70 lb	2′ - 6½"	1′ - 5½"	1⅜"	2"	⅛"	2"	85 lb

NOTES:

1. Pull box covers shall be marked as follows: "SERVICE" Service circuits between service point and service disconnect; "SPRINKLER-CONTROL" sprinkler control circuits, 50 V or less; "CALTRANS" on all pull boxes, except pull boxes marked "SPRINKLER-CONTROL"; and "TELEPHONE" Telephone service;
   A) No. 3½ pull box.
      1) "SIGNAL" - Traffic signal circuits with or without lighting or sign lighting circuits.
      2) "LIGHTING" - Lighting or sign lighting circuits where voltage is under 600 V.
   B) No. 5, 6, 9 or 9A pull box.
      1) "TRAFFIC SIGNAL" - Traffic signal circuits with or without lighting or sign lighting circuits.
      2) "LIGHTING" - Lighting or sign lighting circuits where voltage is under 600 V.
      3) "LIGHTING-HIGH VOLTAGE" - Lighting or sign lighting circuits where voltage is above 600 V.
      4) "IRRIGATION" - Circuits to irrigation controller 120 V or more.
      5) "RAMP METER" - Ramp meter circuits.
      6) "COUNT STATION" - Count or speed monitor circuits.
      7) "COMMUNICATIONS" - Communication circuits.
      8) "TOS COMMUNICATIONS" - TOS communication line.
      9) "TOS POWER" - TOS power.
      10) "TDC POWER" - Telephone demarcation cabinet power.
      11) "CCTV" - Closed circuit television circuits.
      12) "TMS" - Traffic monitoring station circuits.
      13) "CMS" - Changeable message sign circuits.
      14) "HAR" - Highway advisory radio circuits.
      15) "BOOSTER PUMP" - Booster pump circuit.
2. The nominal dimensions of the opening in which the cover sets shall be the same as the cover dimensions except the length and width dimensions shall be ⅛" greater.
3. Covers and boxes shall be interchangeable with California standard male and female gages. When interchanged with a standard male or female gage, the top surfaces shall be flush within ⅛". Top outside radius of covers and pull boxes shall have a ⅛" radius.
4. Pull box extension may be another pull box as long as the bottom edge of the pull box can fit into the cover opening.
5. All dimensions for the cover for non-traffic pull box are nominal values.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (NON-TRAFFIC PULL BOX)

NO SCALE

RSP ES-8A DATED JULY 19, 2013 SUPERSEDES RSP ES-8A DATED JANUARY 20, 2012 THAT SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-8A

2010 REVISED STANDARD PLAN RSP ES-8A

7-15-13

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	405	10.5/12.6	81	188

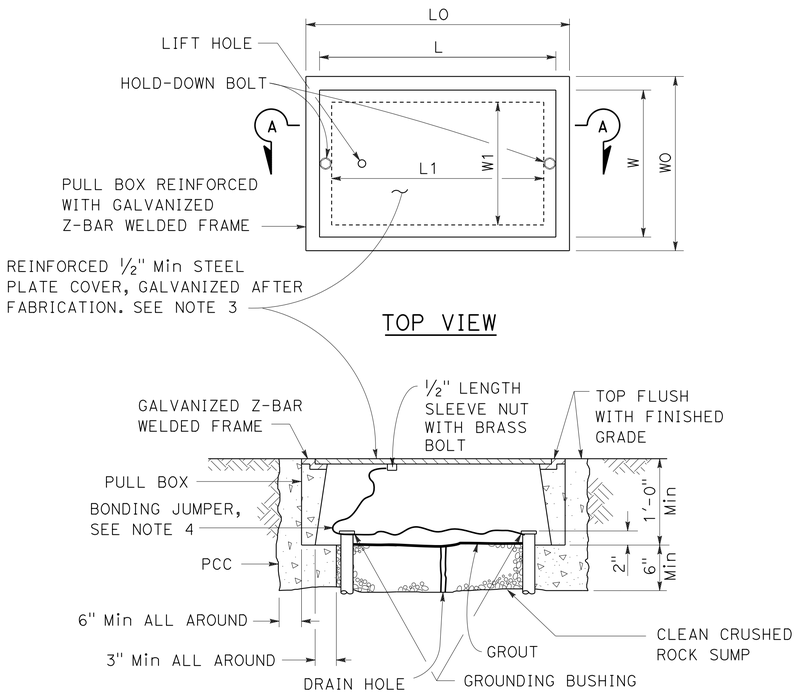
Theresa Gabriel
REGISTERED ELECTRICAL ENGINEER

REGISTERED PROFESSIONAL ENGINEER
Theresa Aziz Gabriel
No. E15129
Exp. 6-30-14
ELECTRICAL
STATE OF CALIFORNIA

July 19, 2013
PLANS APPROVAL DATE

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

TO ACCOMPANY PLANS DATED 6-23-14



SECTION A-A

No. 3½(T), No. 5(T) AND No. 6(T) TRAFFIC PULL BOX

NOTES:

1. Traffic pull box shall be provided with steel cover and special concrete footing. Steel cover shall have embossed non-skid pattern.
2. Steel reinforcing shall be as regularly used in the standard products of the respective manufacturer.
3. Pull box covers shall be marked as follows: "SERVICE" Service circuits between service point and service disconnect; "SPRINKLER-CONTROL" Sprinkler control circuits, 50 V or less; "CALTRANS" On all pull boxes, except pull boxes marked "SPRINKLER-CONTROL"; and "TELEPHONE" Telephone service.
   A) No. 3½(T) pull box.
      1) "SIGNAL" - Traffic signal circuits with or without lighting or sign lighting circuits.
      2) "LIGHTING" - Lighting or sign lighting circuits where voltage is under 600 V.
   B) No. 5(T) or 6(T) pull box.
      1) "TRAFFIC SIGNAL" - Traffic signal circuits with or without lighting or sign lighting circuits.
      2) "LIGHTING" - Lighting or sign lighting circuits where voltage is under 600 V.
      3) "LIGHTING-HIGH VOLTAGE" - Lighting or sign lighting circuits where voltage is above 600 V.
      4) "IRRIGATION" - Circuits to irrigation controller 120 V or more.
      5) "RAMP METER" - Ramp meter circuits.
      6) "COUNT STATION" - Count or speed monitor circuits.
      7) "COMMUNICATION" - Communication circuits.
      8) "TOS COMMUNICATIONS" - TOS communications line.
      9) "TOS POWER" - TOS power.
      10) "TDC POWER" - Telephone demarcation cabinet power.
      11) "CCTV" - Closed circuit television circuits.
      12) "TMS" - Traffic monitoring station circuits.
      13) "CMS" - Changeable message sign circuits.
      14) "HAR" - Highway advisory radio circuits.
      15) "BOOSTER PUMP" - Booster pump circuit.
4. Bonding jumper for metal covers shall be 3' long, minimum.
5. The nominal dimensions of the opening in which the cover sets shall be the same as the cover dimensions except the length and width dimensions shall be 1/8" greater.
6. Covers and boxes shall be interchangeable with California standard male and female gages. When interchanged with a standard male or female gage, the top surfaces shall be flush within 1/8".

DIMENSION TABLE

PULL BOX	PULL BOX						COVER				
	MINIMUM * THICKNESS	MINIMUM DEPTH BOX AND EXTENSION	WO	LO	L1	W1	L **	W **	R	EDGE THICKNESS	EDGE TAPER
No. 3½(T)	1½"	1'-0"	1'-5"± 1"	1'-8⅞"±	1'-2½"±	10⅝"± 1"	1'-8"±	1'-1¾"±	0"	½"	NONE
No. 5(T)	1¾"	1'-0"	1'-11½"± 1"	2'-5½"±	1'-7"±	1'-1"± 1"	2'-3"±	1'-4"±	0"	½"	NONE
No. 6(T)	2"	1'-0"	2'-6"± 1"	2'-11½"±	1'-11½"±	1'-5"± 1"	2'-9"±	1'-8"±	0"	½"	NONE

* EXCLUDING CONDUIT WEB ** TOP DIMENSION

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (TRAFFIC PULL BOX)

NO SCALE

RSP ES-8B DATED JULY 19, 2013 SUPERSEDES RSP ES-8B DATED JANUARY 20, 2012 THAT SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-8B

2010 REVISED STANDARD PLAN RSP ES-8B

7-15-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	405	10.5/12.6	82	188

Theresa Gabriel
REGISTERED ELECTRICAL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Theresa Aziz Gabriel — No. E15129 — Exp. 6-30-14 ELECTRICAL — STATE OF CALIFORNIA

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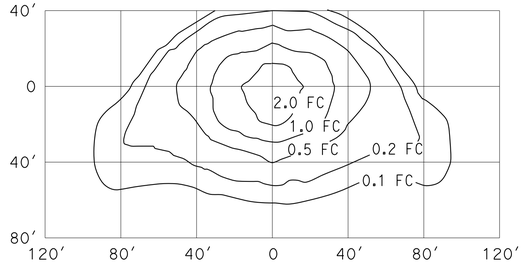
TO ACCOMPANY PLANS DATED 6-23-14

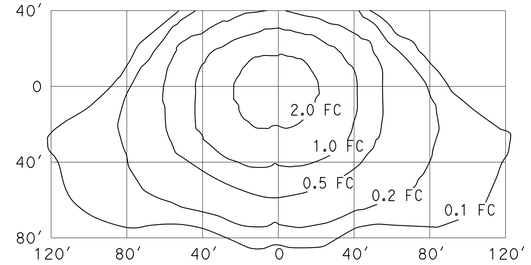
ISOFOOTCANDLE CURVE - MINIMUM



TYPE III MEDIUM CUTOFF

Cutoff Luminaire
34′ Mounting Height
Lamp operated at 22,000 lm
200-W high pressure sodium lamp
ANSI Designation S66

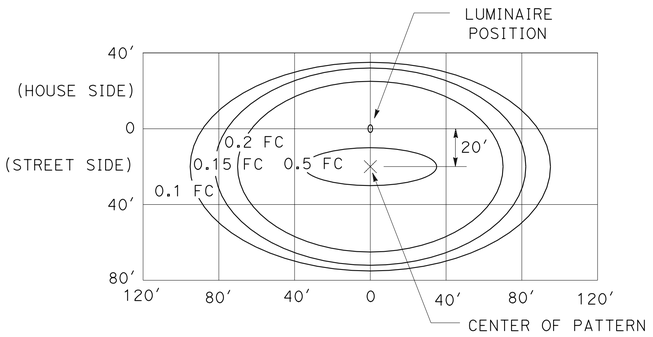
ISOFOOTCANDLE CURVE - MINIMUM



TYPE III MEDIUM CUTOFF

Cutoff Luminaire
40′ Mounting Height
Lamp operated at 37,000 lm
310-W high pressure sodium lamp
ANSI Designation S67

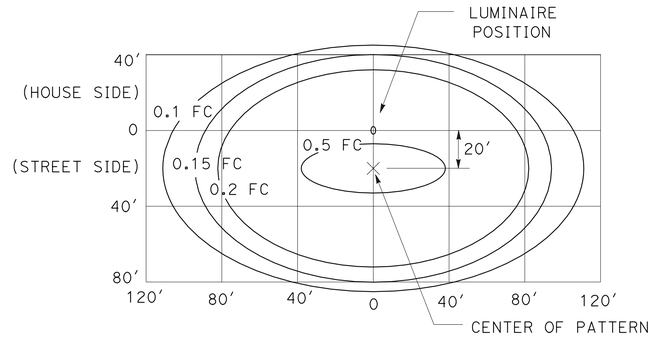
ISOFOOTCANDLE CURVE - MINIMUM



LED LUMINAIRE ROADWAY 1

165-W at 34′ Mounting Height

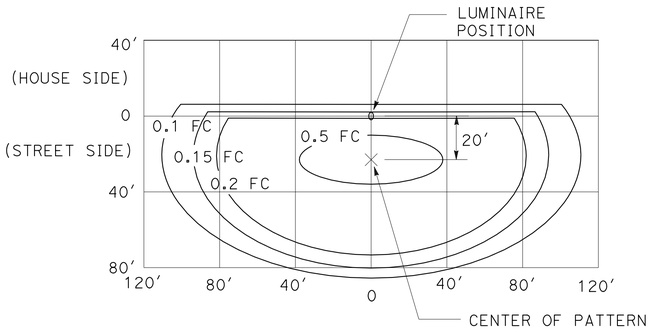
ISOFOOTCANDLE CURVE - MINIMUM



LED LUMINAIRE ROADWAY 2

235-W at 40′ Mounting Height

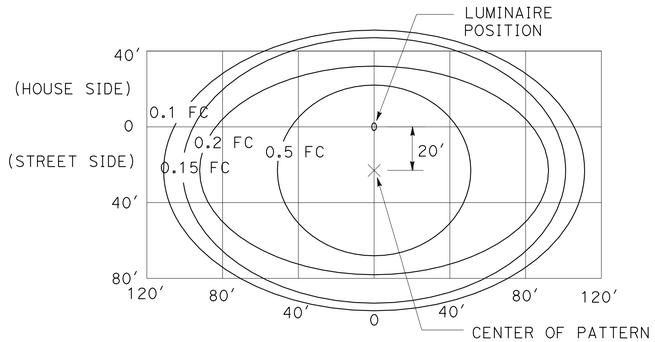
ISOFOOTCANDLE CURVE - MINIMUM



LED LUMINAIRE ROADWAY 3

235-W at 40′ Mounting Height
with back side control

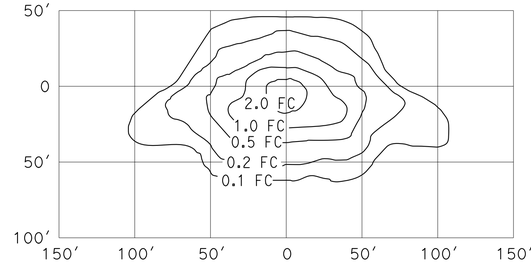
ISOFOOTCANDLE CURVE - MINIMUM



LED LUMINAIRE ROADWAY 4

300-W at 40′ Mounting Height

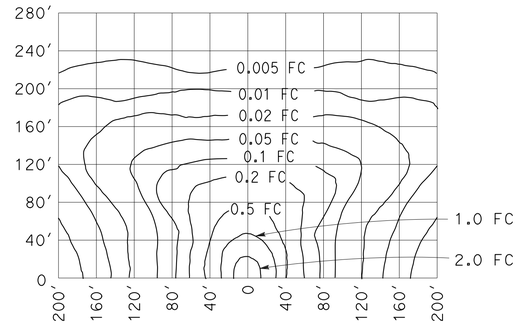
ISOFOOTCANDLE CURVE - MINIMUM



TYPE III MEDIUM CUTOFF

Cutoff Luminaire
30′ Mounting Height
Lamp operated at 16,000 lm
150-W high pressure sodium lamp
ANSI Designation S55

ISOFOOTCANDLE CURVE - MINIMUM



LOW PRESSURE SODIUM LUMINAIRE

40′ Mounting Height
Lamp operated at 33,000 lm
180-W low pressure sodium lamp

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (ISOFOOTCANDLE DIAGRAMS)

NO SCALE

RSP ES-10A DATED JULY 19, 2013 SUPERSEDES RSP ES-10A DATED JULY 20, 2012 THAT SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-10A

2010 REVISED STANDARD PLAN RSP ES-10A

7-9-13

INDEX TO PLANS

ARCHITECTURAL

STRUCTURAL

MECHANICAL

ELECTRICAL

ELEC CONT,

SANITARY

WATER

BUILDING CODE DATA

DESIGN CODE

The building work for this project has been design to conform to
The 2010 edition of Title 24, California Code of Regulations:
Part 2 - California Building Code 2010,
Part 3 - California Blectrical Code 2010,
Part 4 - California Mechanical Code 2010,
Part 5 - California Plumbing Code 2010,
Part 6 - California Energy Code 2010, (Title 24, 2008)
Part 9 - California Fire Code 2010.
Part 11- California Green Building Standards Code 2010
and the 2010 ADA Standards

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	405	10.5/12.6	83	188

LICENSED ARCHITECT — 11-06-13 DATE

LICENSED ARCHITECT ANTHONY CHUNG No. C24693 Exp 11-30-15 STATE OF CALIFORNIA

6-23-14
PLANS APPROVAL DATE

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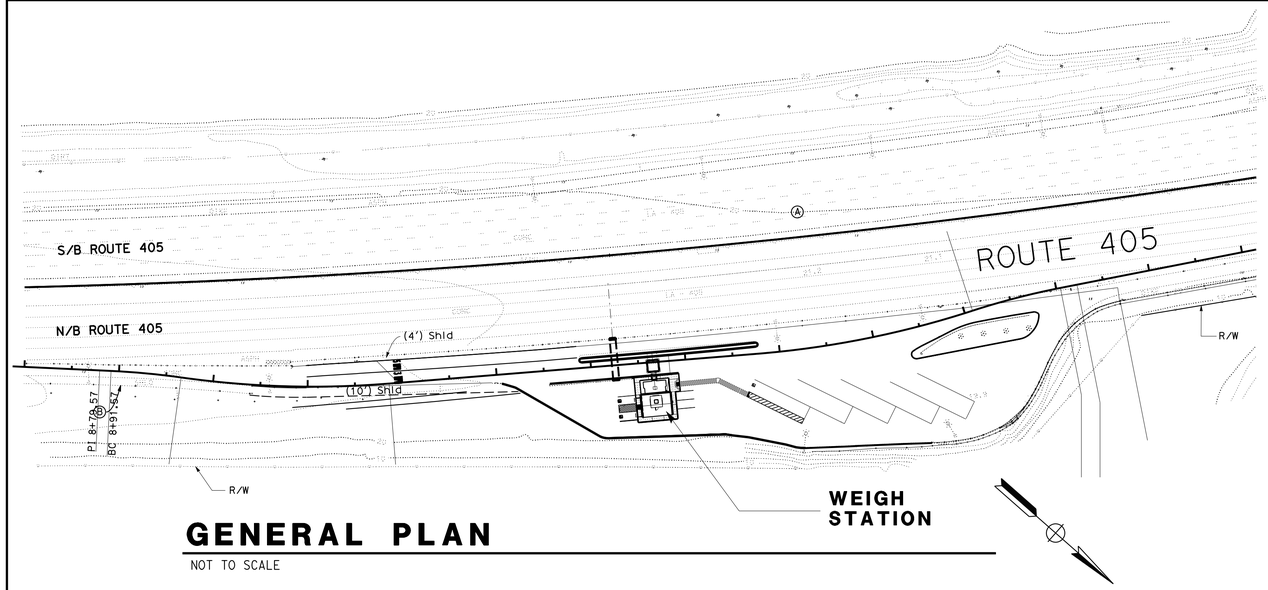
ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA
PROJECT ID 0700021105
Reviewed by: Y. A. WANG
Date: 11-06-13

CALIFORNIA STATE FIRE MARSHAL APPROVED
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: FRANCIS SOLICH
Approval date: 09-10-13

BUILDING DATA THIS PROJECT IS IN COMPLIANCE

	OCCUPANCY	CONSTRUCTION TYPE	NUMBER OF STORIES	BUILDING HEIGHT	BUILDING AREA	AREA OF PROJECT	ALLOWABLE AREA	AREA OR HEIGHT INCREACES	FIRE SPRINKLERED	FIRE ALARM	OTHER FIRE PROTECTION SYSTEMS IF ANY	SMOKE CONTROL SYSTEM	OCCUPANT LOAD
WEIGHT STATION	B/S-2	V-B	1	11'-2"	1069 sf	1069 sf	9000 sf	NO	NOT Req	NOT Req	NO	NOT Req	11



GENERAL PLAN

NOT TO SCALE

R.E. Travis DESIGN SUPERVISOR
DOUG LOWE DESIGN ARCHITECT

DESIGNERS: DOUG LOWE, ANTHONY CHUNG
DRAWN BY: A CHUNG, A.ALMAW, C BOYER

CHECKED BY:
STRUCTURAL REVIEW:

SHEET LEGEND
A-I ARCHITECTURAL ST-I STRUCTURAL
M-I MECHANICAL EE-I ELECTRICAL
W-I WATER SS-I SANITARY

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

UNIT 3584
PROJECT NUMBER & PHASE 07000211051
EA 000000

BRIDGE NO.
POST MILE 11.7

N/B CARSON WEIGH STATION
GENERAL PLAN, INDEX, BUILDING CODE DATA

SHEET A0-1

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)										SHEET	OF
12-12	04-13	05-13	06-13	08-13	11-06					X	X

a0-1_General plan.dgn
TAEMWW imperial Rev. 7/10 31-JUL-2014 15:25

31-JUL-2014 15:25
a0-1_General plan.dgn

ARCHITECTURAL ABBREVIATIONS

&	AND
∠	ANGLE
℄	CENTER LINE
Ø	DIAMETER OR ROUND
□	SQUARE
d	PENNY
°	DEGREE
ADA	AMERICANS WITH DISABILITIES ACT
A/C	AIR CONDITIONING
AC	ASPHALT CONCRETE
AB	ANCHOR BOLT
Abv	ABOVE
Acous	ACOUSTICAL
Addl	ADDITIONAL
ADJ	ADJUSTABLE
Alt	ALTERNATE
Alum	ALUMINUM
APA	AMERICAN PLYWOOD ASSOCIATION
Approx	APPROXIMATE
ARAM	ADAPTABLE RADIATION AREA MONITOR
Arch	ARCHITECTURAL, ARCHITECT
Asph	ASPHALT
Bd	BOARD
Bit	BITUMINOUS
Bldg	BUILDING
Blk	BLOCK
Blkg	BLOCKING
Bm	BEAM
BN	BOUNDARY NAILING
Bot	BOTTOM
Br	BRIDGE
Btm	BOTTOM
Btwn	BETWEEN
BUR	BUILT-UP-ROOFING
CBC	CALIFORNIA BUILDING CODE
CHP	CALIFORNIA HIGHWAY PATROL
CJ	CONTROL JOINT
CL	CHAIN LINK
Cab	CABINET
CB	CATCH BASIN
Cem	CEMENT
CER	Cer
CFS	COLD-FORMED STEEL
CH	CLOTHES HOOK
CIDH	CAST IN DRILLED HOLE
CIP	CAST IN PLACE
Clg	CEILING
CMU	CONCRETE MASONRY UNIT
Clo	CLOSET
Clr	CLEAR
Col	COLUMN
Conc	CONCRETE
Conn	CONNECTION
Const	CONSTRUCTION
Cont	CONTINUOUS
Corr	CORRIDOR
Cpt	CARPET
CT	CERAMIC TILE
Ctr	CENTER
Ctsk	COUNTERSUNK
CY	CUBIC YARD
Dbl	DOUBLE
Dept	DEPARTMENT
Det	DETAIL
DF	DOUGLAS FIR
Dia	DIAMETER
Dim	DIMENSION
Dn	DOWN
Dp	DEEP
Dr	DOOR
Ds	DOWNSPOUT
Dwgs	DRAWINGS
DWR	DRAWER
(E)	EXISTING
E	EAST
Ea	EACH
EEW	EMERGENCY EYEWASH AND SHOWER
EF	EXHAUST FAN
EHD	ELECTRIC HAND DRYER
EIFS	EXTERIOR INSULATION & FINISH SYSTEM
EJ	EXPANSION JOINT
El	ELEVATION (HEIGHT)
Elec	ELECTRICAL
Elev	ELEVATION
Elvr	ELEVATOR
Emer	EMERGENCY
Encl	ENCLOSURE
EP	EDGE OF PAVEMENT
EPB	ELECTRICAL PANELBOARD
EPS	EXPANDED POLYSTYRENE
Eq	EQUAL
Equip	EQUIPMENT
Escl	ESCALATOR
ETW	EDGE OF TRAVEL WAY
EWC	ELECTRIC WATER COOLER
EW/FD	EYE WASH WITH FLOOR DRAIN
Exp	EXPANSION
Expo	EXPOSED, EXPOSURE
Ext	EXTERIOR
FD	FLOOR DRAIN
Fdn	FOUNDATION
FE	FIRE EXTINGUISHER BRACKET MOUNTED
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FLOOR
FG	FINISH GRADE
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FHMS	FLATHEAD METAL SCREW
FHWS	FLATHEAD WOOD SCREW
Fin	FINISH
FJ	FLOOR JOIST
Flash	FLASHING
Flr	FLOOR
Fluor	FLUORESCENT
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
Frmg	FRAMING
FRP	FIBERGLASS REINFORCED PLASTIC
Ft	FEET, FOOT
Ftg	FOOTING
Furr	FURRING
Fwy	FREEWAY
Ga	GAUGE
Gal	GALLON
Galv	GALVANIZED
GB	GRAB BAR
GI	GALVANIZED IRON
Gl	GLASS
GLM	GLUE LAMINATED MEMBER
Glz	GLAZING
Gr	GRADE
GSM	GALVANIZED SHEET METAL
Gyp	GYPSUM
Gyp Shtg	GYPSUM SHEATHING
HB	HYDRANT BOX
HC	HOLLOW CORE
HD	HEAD, HOLD DOWN
Hdr	HEADER
Hdwd	HARDWOOD
Hdwr	HARDWARE
Hex	HEXAGONAL
HF	HOSE FAUCET
Hgr	HANGER
HM	HOLLOW METAL
Horiz	HORIZONTAL
HP	HIGH POINT
Hr	HOUR
HSB	HIGH STRENGTH BOLT
HSS	HOLLOW STRUCTURAL SECTION
Ht	HEIGHT
HVAC	HEATING, VENTILATING, AIR CONDITIONING
Hwy	HIGHWAY
ID	INSIDE DIAMETER
IFS	INTEGRATED FACILITY SYSTEM
In	INCH
Info	INFORMATION
Insul	INSULATION
Int	INTERIOR
ISA	INTERNATIONAL SYMBOL OF ACCESSIBILITY
IWH	INSTANT WATER HEATER
Jan	JANITOR
JB	JUNCTION BOX
JH	JOIST HANGER
Jst	JOIST
Jt	JOINT
Kit	KITCHEN
Lab	LABORATORY
Lav	LAVATORY
LBF	POUND-FORCE
LBS	POUNDS
LED	LIGHT EMITTING DIODE
LF	LINEAR FEET
LIRH	LOW INTENSITY RADIANT HEATING
Lkr	LOCKER
LLV	LONG LEG VERTICAL
LOL	LAYOUT LINE
LPG	LIQUIFIED PETROLEUM GAS
LS	LAG SCREW
Lvr	LOUVER
M	METER
Mat	MATERIAL
Max	MAXIMUM
MB	MACHINE BOLT
Mbr	MEMBER
Mech	MECHANICAL
Memb	MEMBRANE
Met	METAL
Mfr	MANUFACTURER, MANUFACTURED
Mgr	MANAGER
MH	MAN HOLE
Min	MINIMUM
Mir	MIRROR
Misc	MISCELLANEOUS
MIW	MALLEABLE IRON WASHER
Mkbd	MARKERBOARD
mm	MILLIMETER
MO	MASONRY OPENING
Mtd	MOUNTED
Mtl	MATERIAL
Mul	MULLION
N	NORTH
N/B	NORTHBOUND
ND	NAPKIN DISPOSAL
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
No	NUMBER
Nom	NOMINAL
NTS	NOT TO SCALE
Obsc	OBSCURE
OC	ON CENTER
OD	OUTSIDE DIAMETER
Off	OFFICE
OFD	OVERFLOW DRAIN
OG	ORIGINAL GROUND
OH	OPPOSITE HAND
Ohd	OVERHEAD
OHWS	OVALHEAD WOOD SCREW
Op	OPERATIONS
Opng	OPENING
Opp	OPPOSITE
Opt	OPTION, OPTIONAL
P	PITCH
PB	POST BASE
PC	POST CAP
PCC	PORTLAND CEMENT CONCRETE
PDF	POWDER DRIVEN FASTENER
PH	PHILLIPS HEAD
Pl	PLATE
Plam	PLASTIC LAMINATE
Plas	PLASTER
Plywd	PLYWOOD
PMF	PRESSED METAL FRAME
POT	PATH OF TRAVEL
Pr	PAIR
Prtn	PARTITION
PT	POINT
PTD	PAPER TOWEL DISPENSER
PTD/R	PAPER TOWEL DISPENSER /RECEPTACLE
PVC	POLYVINYL CHLORIDE I BEAM
PWB	PREFABRICATED WOOD
QT	QUARRY TILE
(R)	RELOCATED
R	RADIUS, RISER
R/W	RIGHT OF WAY
RD	ROOF DRAIN
Rdwd	REDWOOD
Ref	REFERENCE
Refg	REFRIGERATOR
Reinf	REINFORCED(ING)
Req	REQUIRED
Rfg	ROOFING
Rfswn	ROUGHSAWN
RH	ROUND HEAD
RHWS	ROUND HEAD WOOD SCREW
RJ	ROOF JOIST
Rm	ROOM
RO	ROUGH OPENING
Rswn	RESAWN
Rte	ROUTE
RW	RETAINING WALL
RWL	RAINWATER LEADER
S	SOUTH
SC	SOLID CORE
Sched	SCHEDULE
SD	SOAP DISPENSER
SDST	SELF DRILLING SELF TAPPING
SF	SQUARE FEET
Sh	SHELF
Shwr	SHOWER
Sht	SHEET
Shtg	SHEATHING
Sim	SIMILAR
SL	SCORE LINE
SMS	SHEET METAL SCREW
SOHD	SECTIONAL OVERHEAD DOOR
Spec	SPECIFICATION
SPS	STRUCTURAL PLYWOOD SHEATHING
Sq	SQUARE
SRRA	SAFETY ROADSIDE REST AREA
SS	SERVICE SINK
SST	STAINLESS STEEL
Sta	STATION
Stag	STAGGER
Std	STANDARD
Stf	STOREFRONT
Stl	STEEL
Stor	STORAGE
Struc	STRUCTURAL
Susp	SUSPENDED
T	TREAD
T&G	TONGUE & GROOVE
TB	TOLL BOOTH
Tel	TELEPHONE
Ⓣ/Temp	TEMPERED
Ter	TERRAZZO
Thick	THICKNESS
Thk	THICK
Thld	THRESHOLD
TJ	TOOLED JOINT
Tkbd	TACKBOARD
TN	TOE NAIL
TNVM	TAMPON/NAPKIN VENDING MACHINE
TOC	TOP OF CURB OR CONCRETE
TOP	TOP OF PAVEMENT
TOS	TOE OF SLOPE
Tot	TOTAL
TOW	TOP OF WALL
TPO	THERMOPLASTIC POLYOLEFIN
TS	TUBE STEEL
TSCD	TOILET SEAT COVER DISPENSER
TTD	TOILET TISSUE DISPENSER
TTD/NR	TOILET TISSUE DISPENSER/ NAPKIN RECEPTACLE
Tty	TELETYPEWRITER
Typ	TYPICAL
Unf	UNFINISHED
UON	UNLESS OTHERWISE NOTED
Ur	URINAL
Var	VARIES
VCT	VINYL COMPOSITION TILE
Vert	VERTICAL
Vest	VESTIBULE
VR	VENT RISER
VTR	VENT THRU ROOF
W	WEST
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
Wd	WOOD
Wdw	WINDOW
WH	WATER HEATER
WP	WORKING POINT
WR	WATER RESISTANT
Wsct	WAINSCOT
Wt	WEIGHT
Wtpr	WATERPROOFING
WWF	WELDED WIRE FABRIC
Yd	YARD

GENERAL NOTES

1. Verify all controlling dimensions and field conditions before ordering or fabricating any materials or assemblies.

2. Notify the Engineer in writing of any discrepencies between these plans and actual measurements or field conditions.

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	405	10.5/12.6	84	188

LICENSED ARCHITECT — 11-06-13 DATE

LICENSED ARCHITECT ANTHONY CHUNG No. C24693 Exp 11-30-15 STATE OF CALIFORNIA

6-23-14
PLANS APPROVAL DATE

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ACCESSIBILITY DESIGN APPROVAL STAMP
DOT / DES / OTA
PROJECT ID
0700021105
Reviewed by: Y. A. WANG
Date: 11-06-13

CALIFORNIA STATE FIRE MARSHAL APPROVED
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: FRANCIS SOLICH
Approval date: 09-10-13

SYMBOLS

Grid line

Match line

Working point

Room number

Door designation

Window designation

Louver designation

Color designation

Equipment/ furniture designation

BUILDING SECTION LETTER
SHEET

ADDITIONAL REFERENCE (IF USED)
DETAIL NUMBER
SHEET

SHADED ARROW INDICATES ELEVATION DRAWN
SHEET

SECTION LETTER; SECTION DRAWN ON SAME SHEET

ELEVATION LETTER; ELEVATION DRAWN ON SAME SHEET

DRAWN ON SAME SHEET

DESIGN SUPERVISOR	DESIGNER DOUG LOWE	CHECKED BY:	
DESIGN ARCHITECT	DRAWN BY CYNTHIA BOYER	STRUCTURAL REVIEW	

SHEET LEGEND
A-1 ARCHITECTURAL ST-1 STRUCTURAL
M-1 MECHANICAL EE-1 ELECTRICAL
W-1 WATER SS-1 SANITARY

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.
POST MILE 11.7

N/B CARSON WEIGH STATION
ARCHITECTURAL ABBREVIATIONS, SYMBOLS

SHEET **A0-2**

a0-2_Abbreviation.dgn
TAEMWW imperial Rev. 7/10 31-JUL-2014 15:25

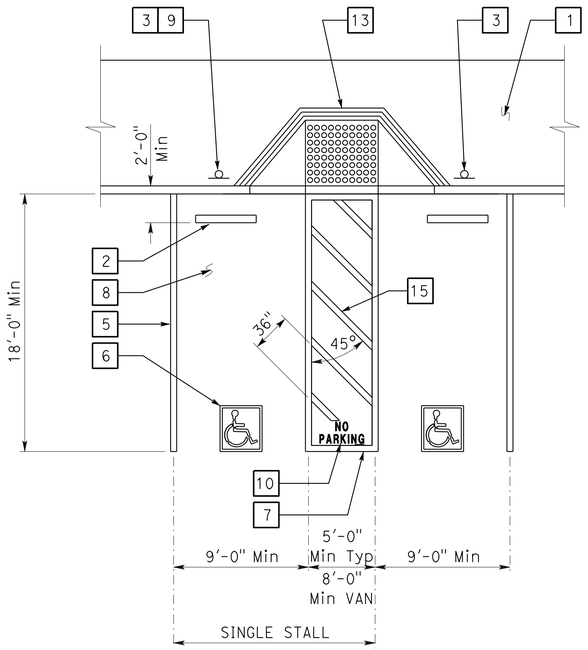
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT 3584
PROJECT NUMBER & PHASE 07000211051
EA 000000

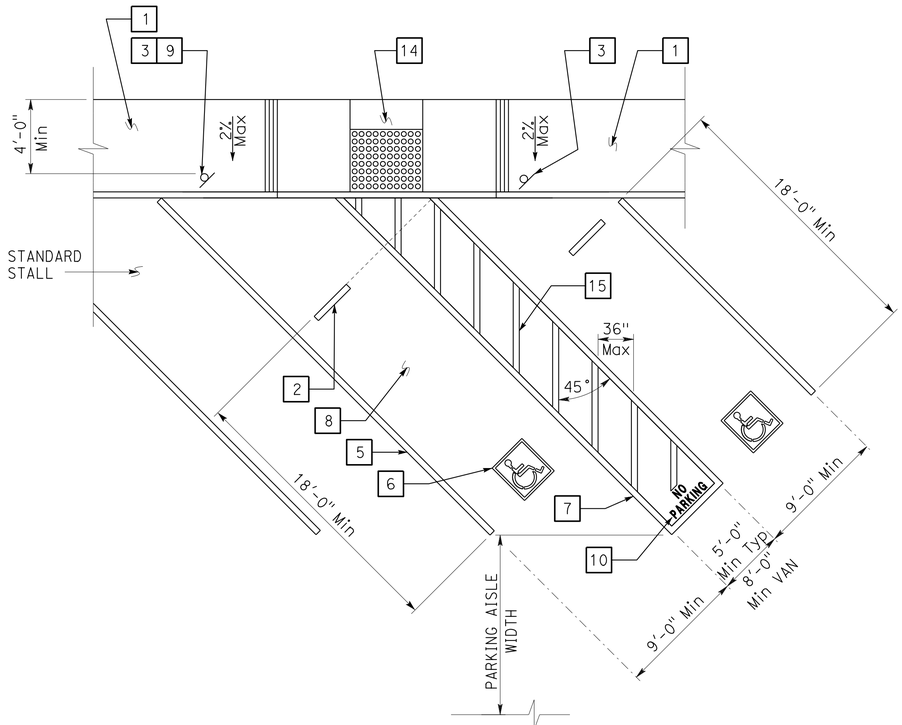
DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)										SHEET	OF
12-12	04-13	05-13	06-13	08-13	11-06					X	X

31-JUL-2014 15:25
a0-2_Abbreviation.dgn



1 ACCESSIBLE PARKING STALL

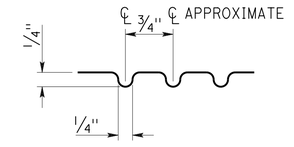


2 DIAGONAL ACCESSIBLE PARKING STALL

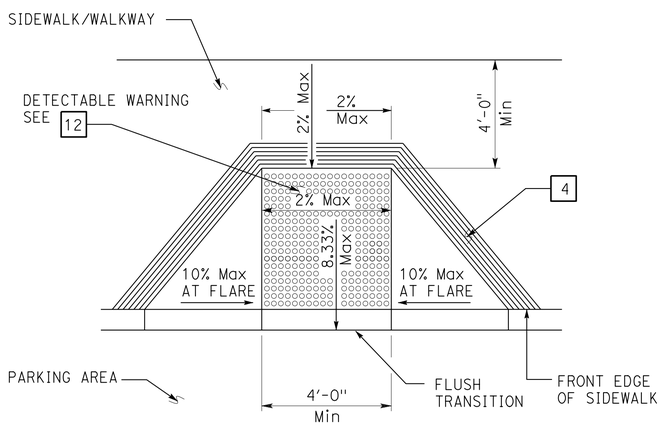
See plan for any variation of diagonal parking. Angle of parking stalls shall either match the existing angle or be indicated on plans.

KEYED NOTE LEGEND FOR DETAILS

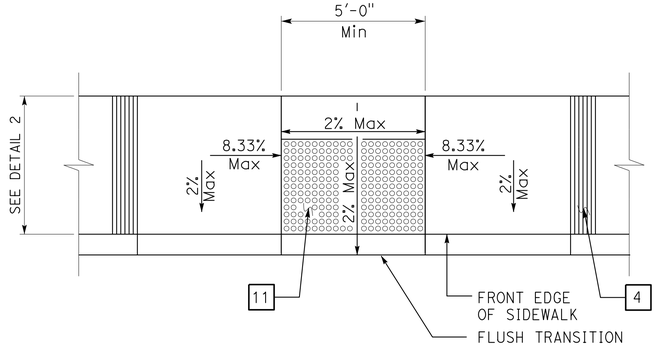
1. Concrete walkway (where occurs). See plans for width, layout (may vary), finish, joints and elevations.
2. Parking bumper (away from access aisle). See Specifications.
3. Accessible parking space signage. See Detail 1 on sheet A0-3.2.
4. 1' wide grooved border on level surface Typ at ramp perimeter. See Detail 3 on this sheet.
5. 4" wide white parking stall designation stripe. See site plan(s) for additional stall striping. See specifications for painting.
6. Accessible parking surface identification painted on pavement. See Detail 6 on sheet A0-3.2.
7. 4" wide blue border designating non-parking access aisle to curb ramp.
8. Maximum slope on parking stall and access aisle to be 2%.
9. Van accessible signage. See Detail 2 on sheet A0-3.2. Access aisle shall be on passenger side only.
10. "NO PARKING" in Min 12" high white letters to be placed within access aisle to curb ramp. See Detail 7 on sheet A0-3.2.
11. Level landing -2% Max slope W/ 36" deep detectable warning surface adjoining access aisle or vehicular way. See Detail 6 on this sheet.
12. Detectable warning surface to extend full width and Min 36" deep from front edge of sidewalk. See Detail 6 on this sheet.
13. Curb ramp. See Detail 4 on this sheet. Also see plans for width and layout (may vary).
14. Curb ramp. See Detail 5 on this sheet. Also see plans for width and layout (may vary).
15. 4" wide white hatched lines to contrast with asphalt surface. Use blue hatched lines for light-color concrete surface.



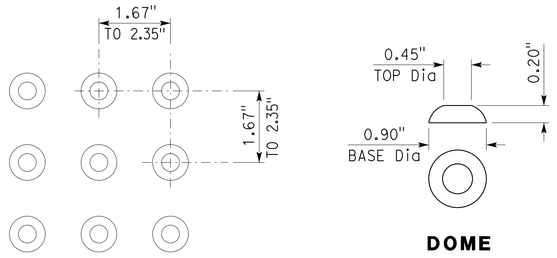
3 GROOVE DETAIL



4 PERPENDICULAR CURB RAMP



5 PARALLEL CURB RAMP



DOME

6 DETECTABLE WARNING SURFACE - TRUNCATED DOMES

Dome dimensions are nominal, which may be within ±0.05" for dome spacing, and ±0.02" for dome size.

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	405	10.5/12.6	85	188

LICENSED ARCHITECT — DATE 10-19-12

LICENSED ARCHITECT Y.A. WANG No. C14891 Exp. 11-30-13 STATE OF CALIFORNIA

PLANS APPROVAL DATE 6-23-14

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.

ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA
PROJECT ID 0700021105
Reviewed by: Y. A. WANG
Date: 11-06-13

CALIFORNIA STATE FIRE MARSHAL APPROVED
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Reviewed by: FRANCIS SOLICH
Approval date: 09-10-13

DETAILS

No scale unless otherwise noted

NOTE: SPECIFIC DETAILS OR NOTES ON OTHER SHEETS SHALL PREVAIL OVER STANDARD DETAILS AND NOTES ON THIS SHEET

STANDARD DRAWING

FILE NO. __-__-__	DESIGN BY D. Alsey	CHECKED Y. A. Wang	APPROVED RE Travis
DRAWING DATE 10-12	DETAILS BY D. Good	CHECKED Y. A. Wang	DESIGN SUPERVISOR
	SUBMITTED BY Y.A. Wang		

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO. — POST MILE 11.7

N/B CARSON WEIGH STATION

ACCESSIBILITY — ACCESSIBILITY STANDARD DETAILS

SHEET A0-3.1

A0-3.1a_i.dgn
TAEMWW imperial Rev. 7/10 31-JUL-2014 15:25

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT 3584
PROJECT NUMBER & PHASE 07000211051

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)						SHEET	OF
12-12	04-13	05-13	06-13	08-13	11-06		

EA 07-28850

A0-3.1a_i.dgn 31-JUL-2014 15:25

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	405	10.5/12.6	86	188

LICENSED ARCHITECT — DATE 10-19-12

LICENSED ARCHITECT Y.A. WANG No. C14891 Exp. 11-30-13 STATE OF CALIFORNIA

6-23-14
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PROJECT ID 0700021105
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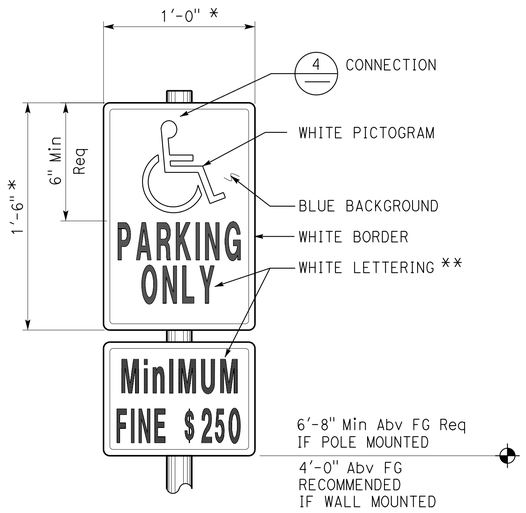
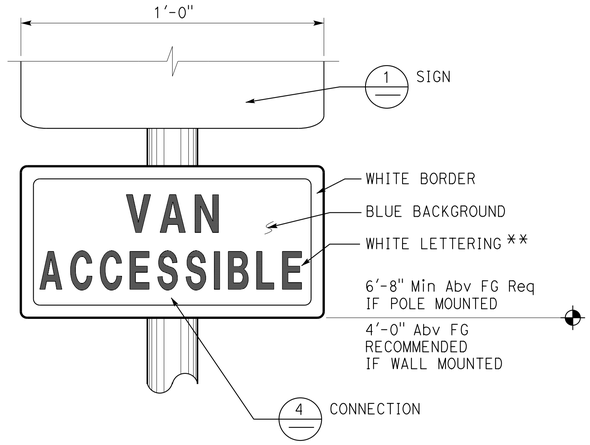


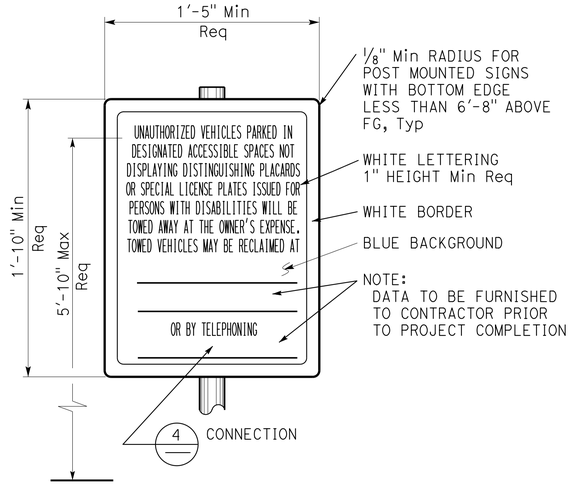
1 ACCESSIBLE PARKING SIGN

Refer to Site Plan for locations.
Combo sign may be used.
* Min area 70 sq in Req
** 2" Min Ht Req for up to 10'-0" mounting Ht from baseline of highest letter to FG.
3" Min Ht Req for mounting Ht over 10'-0".



2 ACCESSIBLE VAN PARKING SIGN

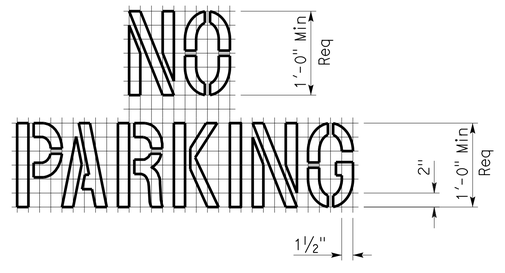
Refer to Site Plan for locations.
Combo sign may be used.



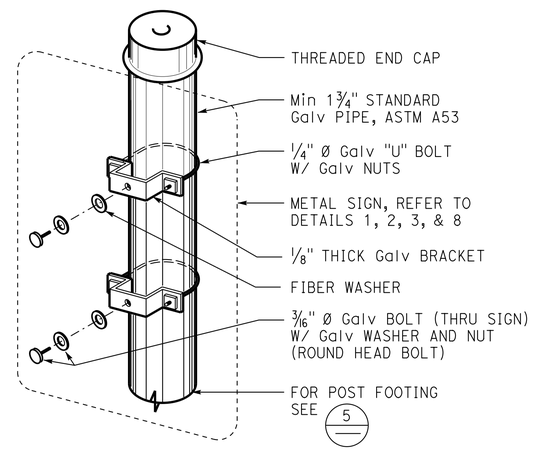
3 UNAUTHORIZED VEHICLES PARKING SIGN

Refer to Site Plan for locations. Colors may vary.
Sign must not be posted in a path of travel.

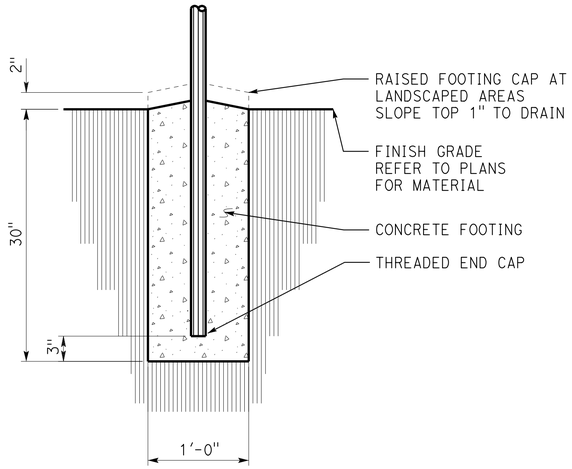
Note:
All listed sign sizes are recommended standard sizes, unless otherwise noted as required. All mounting heights are recommended, unless otherwise noted as required.



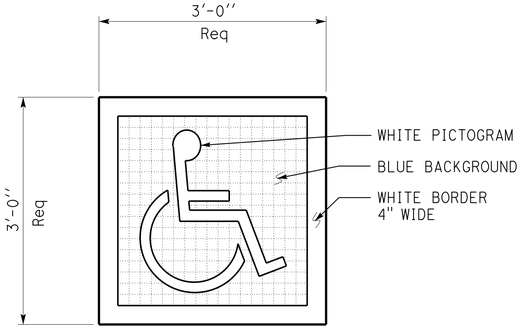
7 ACCESS AISLE PAVEMENT MARKING



4 SIGN CONNECTION

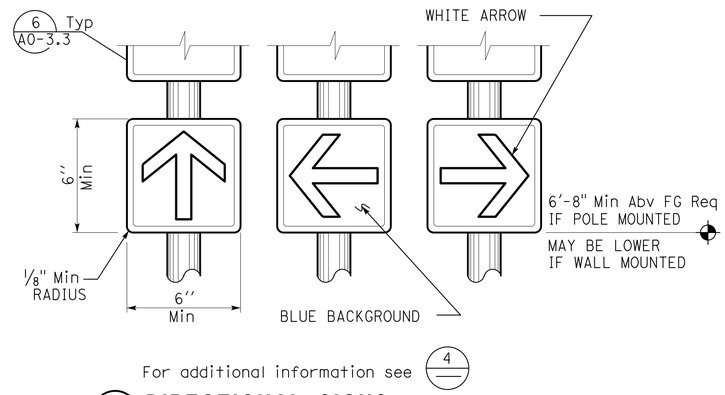


5 SIGN POST FOOTING



6 ACCESSIBLE PARKING SURFACE IDENTIFICATION

Refer to Details 1 and 2 on sheet A0-3.1 for locations.



For additional information see 4

8 DIRECTIONAL SIGNS

Refer to Site Plan or General Plan for locations.
Wall or door mounted signs may be used.
Combo sign may be used.
Colors may vary.

DETAILS

No scale unless otherwise noted

NOTE: SPECIFIC DETAILS OR NOTES ON OTHER SHEETS SHALL PREVAIL OVER STANDARD DETAILS AND NOTES ON THIS SHEET

STANDARD DRAWING

FILE NO. ___-___-__	DESIGN	BY D. Alsey	CHECKED Y. A. Wang	APPROVED R E Travis
DRAWING DATE 10-12	DETAILS	BY D. Good	CHECKED Y. A. Wang	DESIGN SUPERVISOR
	SUBMITTED BY Y.A. Wang			

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.
POST MILE 11.7

N/B CARSON WEIGH STATION

ACCESSIBILITY — ACCESSIBILITY STANDARD DETAILS

SHEET A0-3.2

A0-3.2b_i.dgn
TAEMWW imperial Rev. 7/10 31-JUL-2014 15:26

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT 3584
PROJECT NUMBER & PHASE 07000211051
EA 07-28850

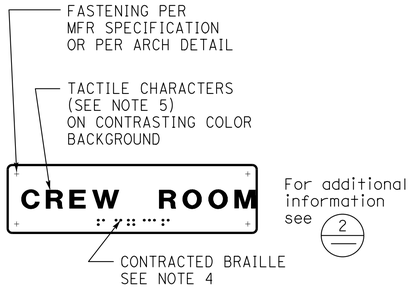
DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY) | SHEET | OF

12-12 | 04-13 | 05-13 | 06-13 | 08-13 | 11-06

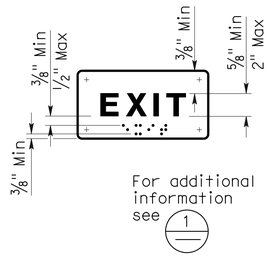
31-JUL-2014 15:26

A0-3.2b_i.dgn



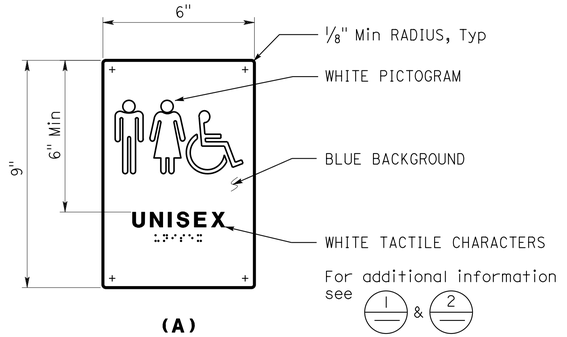
1 ROOM IDENTIFICATION SIGN

Install per Detail 5.
Text varies.
See plans, ext elevations, or door schedule for locations and text.
See Detail 7 for sign mounting heights.



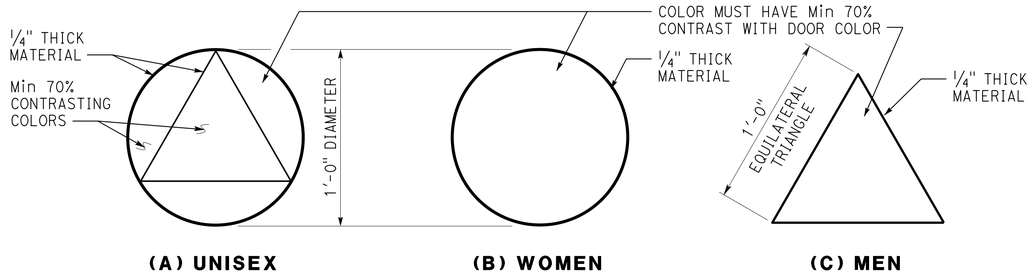
2 INTERIOR EXIT SIGN

Install per Detail 5.
Text may vary.
See plans, or door schedule for locations and text.
See Detail 7 for sign mounting heights.



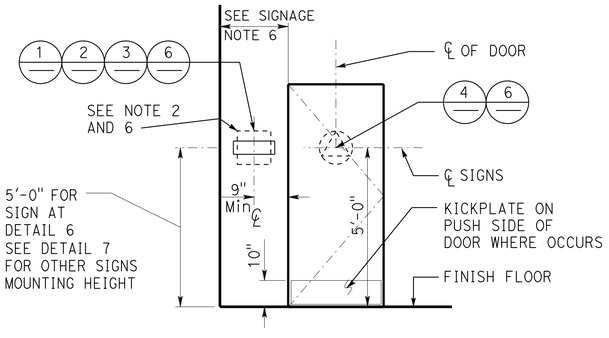
3 RESTROOM/SHOWER ROOM SIGNS

Install per Detail 5.
See Detail 7 for sign mounting height.



4 RESTROOM/SHOWER ROOM IDENTIFICATION SYMBOLS

Install per Detail 5.
Any pictogram and text are not required.

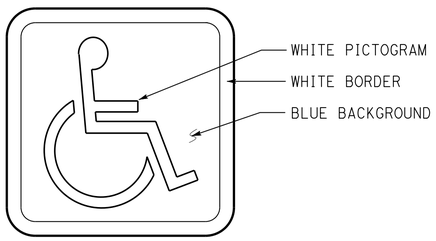


5 SIGN LOCATIONS

Refer to signage notes for additional information.

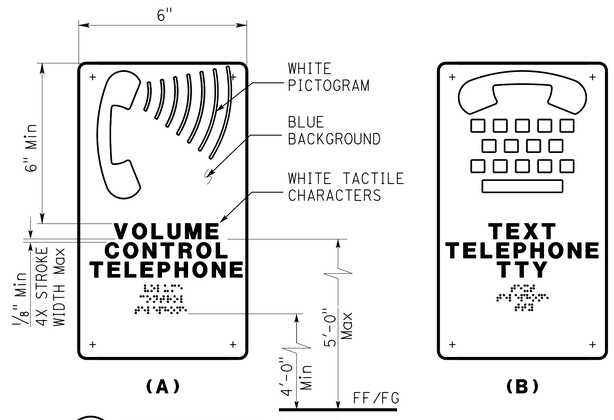
SIGNAGE NOTES:

1. Locate room identification signs, exit signs, and restroom signs on wall adjacent to door on latch side. If wall space is not available on latch side, locate on nearest adjacent wall. Locate sign on inactive leaf at double doors, or to the right of right hand door at double doors with two active leafs.
2. Refer to specifications for sign material and other color selection. Except Detail 6, sign colors may vary from details.
3. See door schedule for text and sign location, UON.
4. Contracted Braille: dots must be 1/10" OC in each cell with 2/10" space between cells measured from the second column of dots in the first cell to the first column of dots in the second cell. Dots must be raised a minimum of 1/40" above the background. Dots must be domed or rounded.
5. Tactile characters must be uppercase san serif raised 1/32" Min. Fonts must be selected where width of letter "O" is 60% Min and 110% Max of height of letter "I". Stroke thickness of letter "I" is 10% Min and 20% Max of height of the character.
6. Provide 18"x18" Min clear floor space in front of and centered on any tactile sign.
7. Sign color must have a minimum of 70% contrast to door or wall color. Text and pictogram must have a minimum of 70% contrast to sign color.
8. Tactile character height is measured based on height of uppercase letter "I".



6 INTERNATIONAL SYMBOL OF ACCESSIBILITY SIGN

Install per Detail 5.
See plans, elevations, or schedule for sign locations.
Decal may be used.

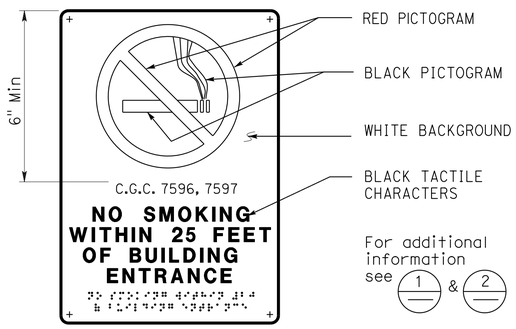


7 TELEPHONE SIGNS

Text may vary.
See plans or exterior elevations for sign locations and mounting heights.

8 RESTROOM ACCOMPANY SIGN

See plans or elevations for locations.
See Detail 7 for sign mounting heights.



9 NO SMOKING SIGN

See plans or ext elevations for locations.
See Detail 7 for sign mounting heights.

DETAILS

No scale unless otherwise noted

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	405	10.5/12.6	87	188

LICENSED ARCHITECT — DATE 10-19-12
Y.A. WANG No. C14891 Exp. 11-30-13 — LICENSED ARCHITECT — STATE OF CALIFORNIA

6-23-14
PLANS APPROVAL DATE

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ACCESSIBILITY DESIGN APPROVAL STAMP
DOT / DES / OTA
PROJECT ID
0700021105
Reviewed by: Y. A. WANG
Date: 11-06-13

CALIFORNIA STATE FIRE MARSHAL
APPROVED
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: FRANCIS SOLICH
Approval date: 09-10-13

NOTE: SPECIFIC DETAILS OR NOTES ON OTHER SHEETS SHALL PREVAIL OVER STANDARD DETAILS AND NOTES ON THIS SHEET

STANDARD DRAWING
FILE NO. ___-___-___
DRAWING DATE 10-12
DESIGN BY D. Alsey CHECKED Y. A. Wang
DETAILS BY D. Good CHECKED Y. A. Wang
SUBMITTED BY Y.A. Wang
APPROVED RE Travis DESIGN SUPERVISOR

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.
POST MILE 11.7

N/B CARSON WEIGH STATION
ACCESSIBILITY
ACCESSIBILITY STANDARD DETAILS

SHEET A0-3.3

A0-3.3c_i.dgn
TAEMWW imperial Rev. 7/10 31-JUL-2014 15:26

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT 3584
PROJECT NUMBER & PHASE 07000211051
EA 000000

DISREGARD PRINTS BEARING EARLIER REVISION DATES →
REVISION DATES (PRELIMINARY STAGE ONLY): 12-12 | 04-13 | 05-13 | 06-13 | 08-13 | 11-06
SHEET OF

A0-3.3c_i.dgn
31-JUL-2014 15:26

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	405	10.5/12.6	88	188

LICENSED ARCHITECT — DATE 10-19-12

LICENSED ARCHITECT — Y.A. WANG — No. C14891 — Exp. 11-30-13 — STATE OF CALIFORNIA

PLANS APPROVAL DATE 6-23-14

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ACCESSIBILITY DESIGN APPROVAL STAMP
DOT / DES / OTA
PROJECT ID **0700021105**
Reviewed by: Y. A. WANG
Date: 11-06-13

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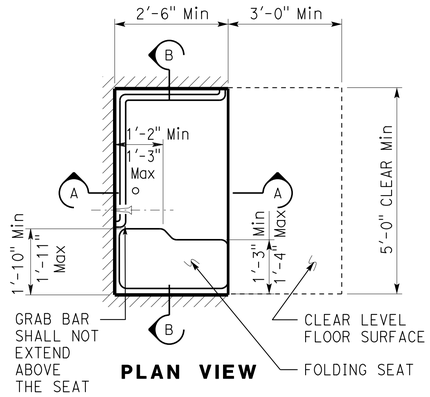
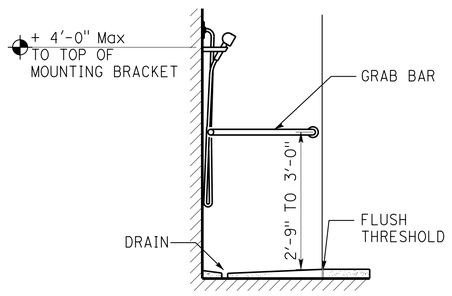
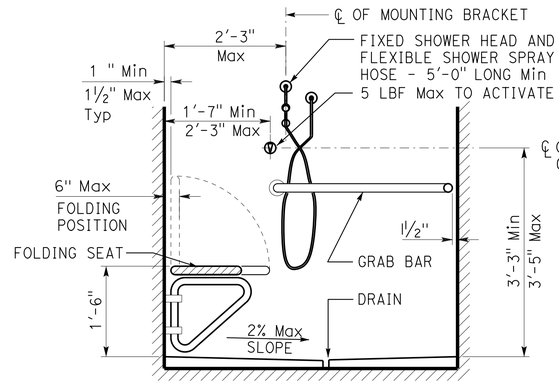
Approval date: 09-10-13



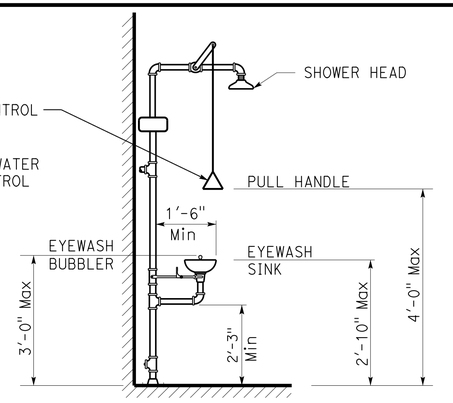
PLAN VIEW



SECTION A-A

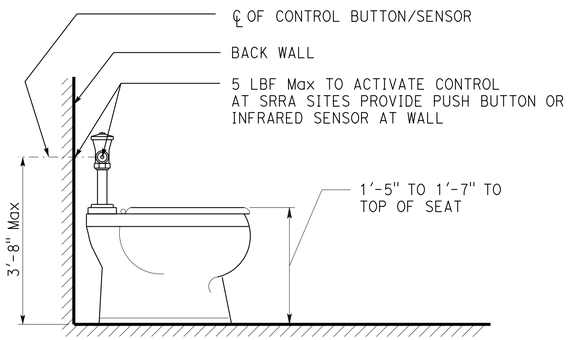


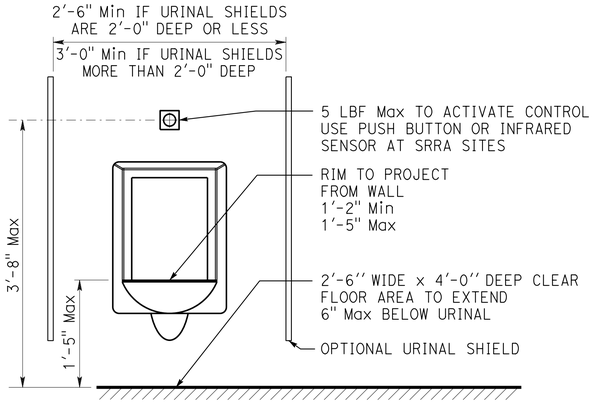
SECTION B-B



1 SHOWER STALL

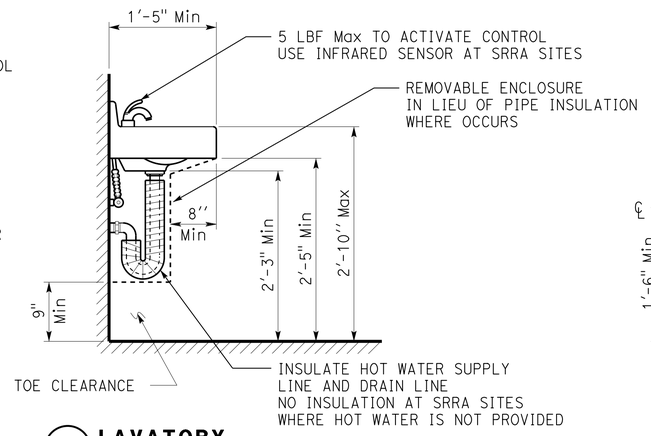
Optional standard shower head may be added to wall opposite shower seat. Locate water diverter per water control.

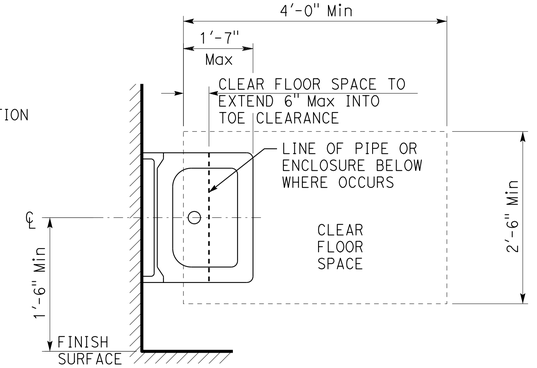




2 EMERGENCY EYEWASH/ SHOWER

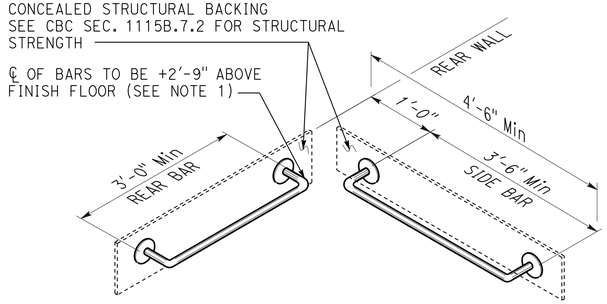
Foot pedal may be added to operate equipment



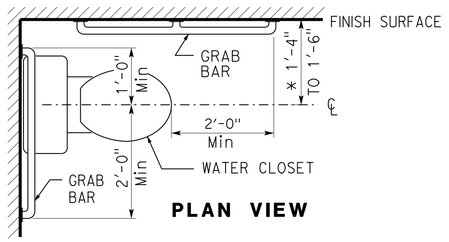


3 WATER CLOSET

See Spec for fixture type



4 URINAL

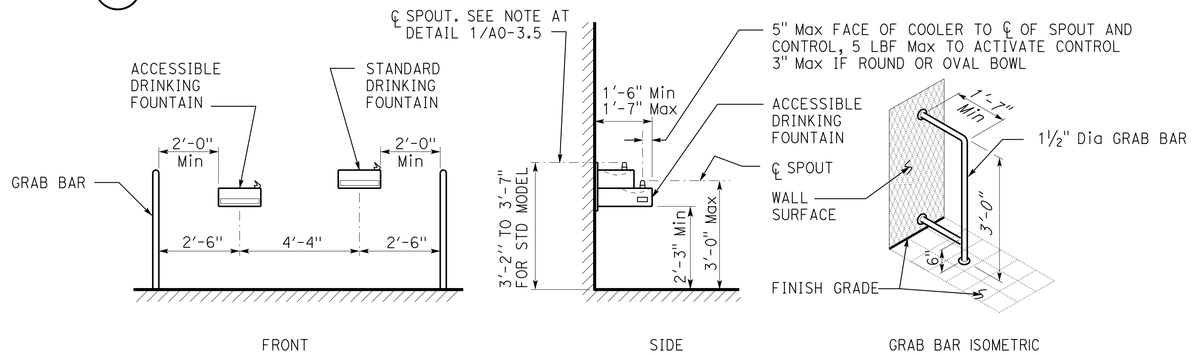


PLAN VIEW

Grab bar note:
1. If tank type toilet is used, centerline of rear bar may be set to 3'-0" max above finish floor. Side bar to remain as shown.
2. Grab bars to be 1 ¼" to 1 ½" diameter with clear space of 1 ½" to smooth wall surface.

* 1'-5" to 1'-7" at ambulatory accessible compartment.

5 LAVATORY



6 GRAB BARS/ WATER CLOSET

7 ELECTRIC WATER COOLER

In lieu of grab bars, other types of wing walls may be used.
Dimensions at front elevation may vary - see plan.
Provide clear level area W/ Max 2% slope in all directions at each fixture.
See clear floor space at detail 1/A0-3.5 for size and location.

DETAILS

No scale unless otherwise noted

NOTE: SPECIFIC DETAILS OR NOTES ON OTHER SHEETS SHALL PREVAIL OVER STANDARD DETAILS AND NOTES ON THIS SHEET

STANDARD DRAWING
FILE NO. __-__-__
DRAWING DATE **10-12**
DESIGN BY D. Alsey — CHECKED Y. A. Wang
DETAILS BY D. Good — CHECKED Y. A. Wang
SUBMITTED BY Y.A. Wang
APPROVED R E Travis DESIGN SUPERVISOR

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.
POST MILE 11.7

N/B CARSON WEIGH STATION
ACCESSIBILITY — ACCESSIBILITY STANDARD DETAILS

SHEET A0-3.4

A0-3.4d_i.dgn
TAEMWW imperial Rev. 7/10 31-JUL-2014 15:26

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT 3584
PROJECT NUMBER & PHASE 07000211051
EA 000000

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)						SHEET	OF
12-12	04-13	05-13	06-13	08-13	11-06		

31-JUL-2014 15:26
A0-3.4d_i.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	405	10.5/12.6	89	188

LICENSED ARCHITECT — DATE 10-19-12

LICENSED ARCHITECT — Y.A. WANG — No. C14891 — Exp. 11-30-13 — STATE OF CALIFORNIA

PLANS APPROVAL DATE 6-23-14

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ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA
PROJECT ID 0700021105
Reviewed by: Y. A. WANG
Date: 11-06-13

CALIFORNIA STATE FIRE MARSHAL APPROVED
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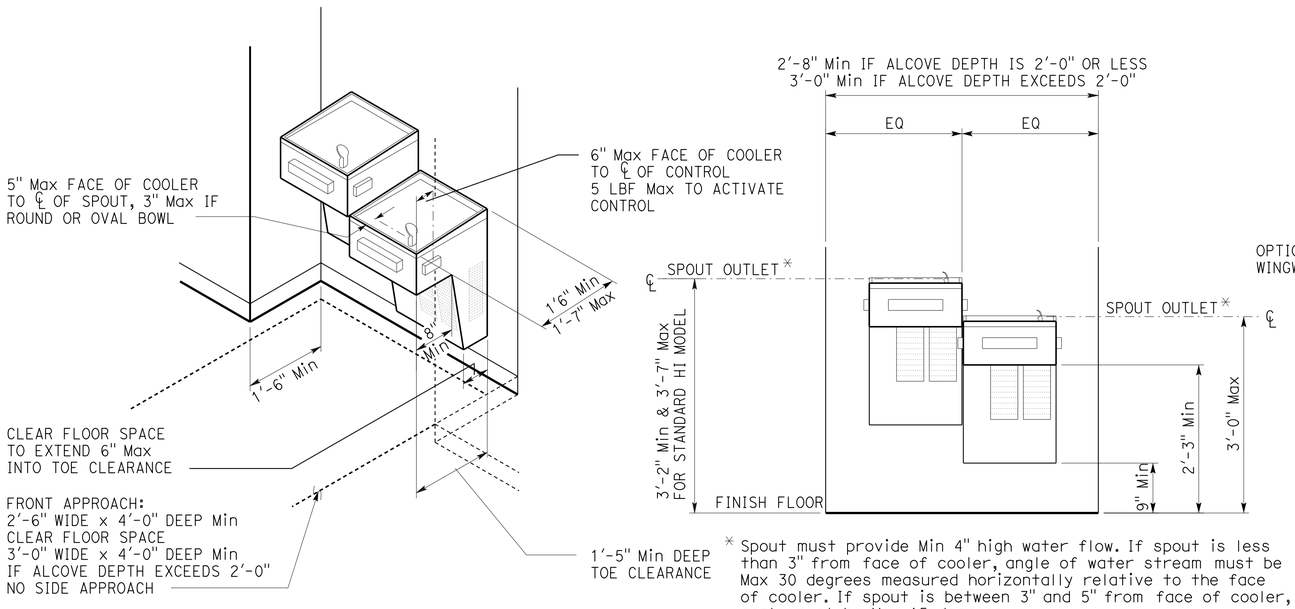
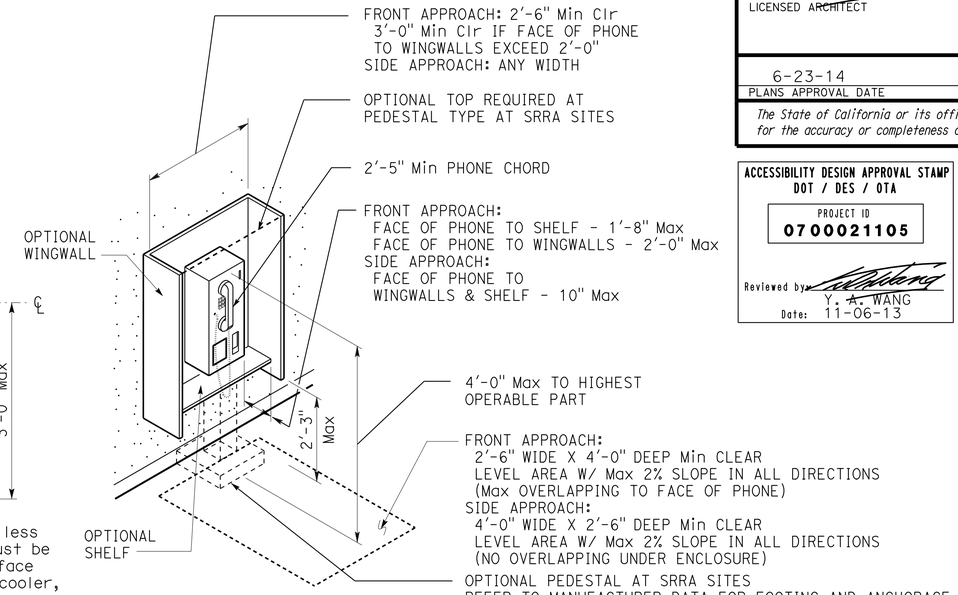
Reviewed by: FRANCIS SOLICH
Approval date: 09-10-13



* Spout must provide Min 4" high water flow. If spout is less than 3" from face of cooler, angle of water stream must be Max 30 degrees measured horizontally relative to the face of cooler. If spout is between 3" and 5" from face of cooler, angle must be Max 15 degrees.

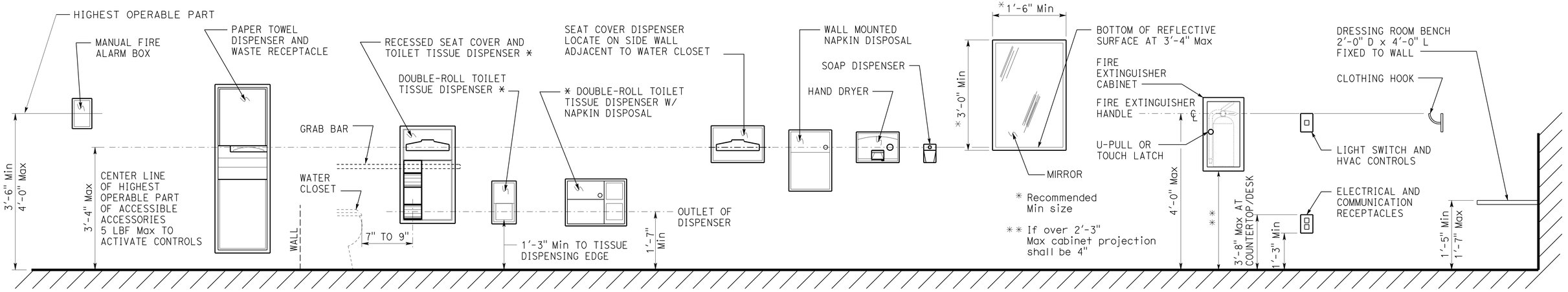
1 ELECTRIC WATER COOLER AT ALCOVE

Fixture type may vary.
Width of alcove may vary.
Two fixtures with separate mounting heights may be installed at separate locations.



2 TELEPHONE

Note: Seat surface must be slip resistant and must not accumulate water (E.G., 2% Max slope to drain) when installed in conjuction with wet locations. Structural strength of the bench and attachments must comply W/ CBC Sec. 1115B.7.2



* Toilet tissue dispenser must be located on wall or partition closet to water closet

3 ACCESSORIES

DETAILS

No scale unless otherwise noted

NOTE: SPECIFIC DETAILS OR NOTES ON OTHER SHEETS SHALL PREVAIL OVER STANDARD DETAILS AND NOTES ON THIS SHEET

STANDARD DRAWING

FILE NO. __-__-__	DESIGN BY D. Alsey	CHECKED Y. A. Wang	APPROVED R E Travis
DRAWING DATE 10-12r	DETAILS BY D. Good	CHECKED Y. A. Wang	DESIGN SUPERVISOR
	SUBMITTED BY Y.A. Wang		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.
POST MILE 11.7

N/B CARSON WEIGH STATION
ACCESSIBILITY — ACCESSIBILITY STANDARD DETAILS

SHEET A0-3.5

A0-3.5e_i.dgn
TAEMWW imperial Rev. 7/10 31-JUL-2014 15:26

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT 3584
PROJECT NUMBER & PHASE 07000211051
EA 000000

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)								SHEET	OF
12-12	04-13	05-13	06-13	08-13	11-06				

31-JUL-2014 15:26
A0-3.5e_i.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	405	10.5/12.6	90	188

LICENSED ARCHITECT — DATE 11-06-13

LICENSED ARCHITECT ANTHONY CHUNG No. C24693 Exp 11-30-15 STATE OF CALIFORNIA

PLANS APPROVAL DATE 6-23-14

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ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA

PROJECT ID **0700021105**

Reviewed by: Y. A. WANG

Date: 11-06-13

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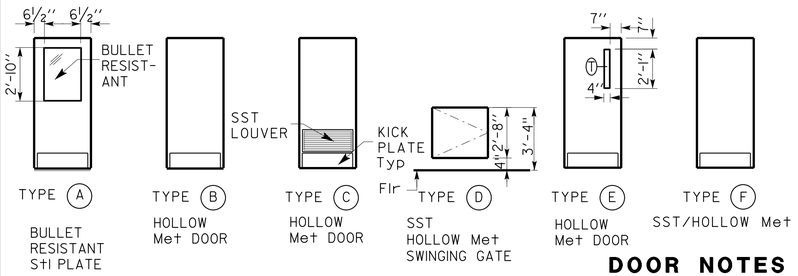
Approval date: 09-10-13

ACCESSIBILITY NOTES

1. Pedestrian path of travel (POT) from any site entrance on property line to the new Bldg is not required to be in the scope of work, as the site is at a remote highway location, there is no bus stop in the adjacency, and all user and visitors must arrive by vehicles only.
2. POTs indicated at site plan must be the most practical and direct route between accessible parking and all exterior doors at new Bldg. Exact locations of POT must be determined by the Engineer.
3. Pot must be Min 50 inches wide, with Min 80 inches head clearance.
4. Except for any required clear level areas, POT may have Max 4.5% slope in the direction of travel and Max 1.5% cross slope.
5. Pot may have Max ½ inch level change w/ Max 1:2 slope. Level change not exceeding ¼ inch may be vertical. Any level change exceeding ½ inch or any slope in the direction of travel exceeding 5% must be accommodated by code-compliant curb ramp or ramp.
6. Pot surface must be firm, stable, slip-resistant, W/O loose gravels, sand, chips, etc.
7. If any gratings are located in POT, grid openings in gratings must be limited to ½ inch in the direction of traffic flow.
8. Any planter/grate/cover in or adjacent to POT must require edge protection of Min 6 inches high curb or code-compliant guard or handrail if level change between POT and planter/grate/cover exceeds 4 inches.
9. Provide Min 48 inches deep x 30 inches wide clear level area in front of and centered W/ emergency eyewash & shower, W/ Max 1.5% slope in all directions.
10. All doors must have clear level areas on both sides of doors W/ Max 1.5% slope in any direction. Clear level area at exterior door front approach in the direction of door swing must be Min 60 inches x 60 inches (including Min 24 inches pass door strike edge); and opposite door swing must be Min 48 inches deep x 36 inches wide (plus Min 12 inches pass door strike edge if door has both latch and closer.)
11. Clear level area at interior door front approach in the direction of door swing must be Min 60 inches deep x 54 inches wide (including Min 18 inches pass door strike edge) for single door, or Min 60 inches deep x double-door width for double doors, and opposite door swing must be Min 48 inches deep x 36 inches wide (plus Min 12 inches pass door strike edge if door has both latch and closer) for single door, or Min 48 inches deep x double-door width for double doors.
12. Level change at the doorway, including threshold thickness, must be Max ½ inch W/ Max 1:2 slope. Level change not exceeding ¼ inch may be vertical.
13. Aisles formed by equipment/stored materials/furniture/walls at any room or space must be Min 36 inches wide if serving one side, and Min 44 inches wide if serving both sides.
14. Refer to standard exemption document on file for applicable elements exempt from access compliance.

DOOR SCHEDULE

No.	DOOR TYPE	WIDTH	HEIGHT	Thick	Mtl	FINISH	FRAME TYPE	Mtl	WIDTH	FINISH	LABEL	DETAILS HEAD	JAMB	THRESHOLD	Hdwr GROUP	SIGN TEXT	DETAIL	NOTES
01	A	3'-0"	7'-0"	1¾"	SST HOLLOW METAL/ GLASS	PRE FINISH	PMF	SST	2"	PRE FINISH	—	Mfr	Mfr	Mfr	1	STAFF ENTRY	1&6/A0-3.3	
02	A	3'-0"	7'-0"	1¾"	SST HOLLOW METAL/ GLASS	PRE FINISH	PMF	SST	2"	PRE FINISH	—	Mfr	Mfr	Mfr	1	TRUCKER'S ENTRY	1&6/A0-3.3	
03	F	3'-0"	7'-0"	1¾"	SST HOLLOW METAL	PRE FINISH	PMF	SST	2"	PRE FINISH	—	Mfr	Mfr	Mfr	2	TRUCKER'S RESTROOM	1&3/A0-3.3	
04	B	3'-0"	7'-0"	1¾"	HOLLOW METAL	PAINT	PMF	STEEL	2"	PAINT	—	Mfr	Mfr	Mfr	3	RESTROOM	1&3/A0-3.3	
05	C	3'-0"	7'-0"	1¾"	HOLLOW METAL	PAINT	PMF	STEEL	2"	PAINT	—	Mfr	Mfr	Mfr	5	JANITOR	1 / A0-3.3	
06	B	3'-0"	7'-0"	1¾"	HOLLOW METAL	PAINT	PMF	STEEL	2"	PAINT	—	Mfr	Mfr	Mfr	4	LOCKER	1&3/A0-3.3	
07	E	3'-0"	7'-0"	1¾"	HOLLOW METAL	PAINT	PMF	STEEL	2"	PAINT	—	Mfr	Mfr	Mfr	5	STORAGE	1 / A0-3.3	
08	D	3'-0"	2'-8"	1¾"	SST HOLLOW METAL	PRE FINISH	PMF	SST	-	PAINT	—	Mfr	Mfr	Mfr	6	—	—	



DOOR NOTES

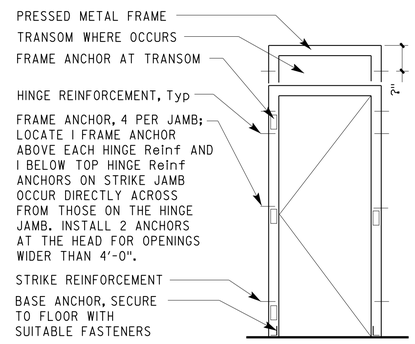
T = TEMPERED GLASS

2. ALL Ext DOORS TO HAVE A DOOR TOP PER 5

3. PUSH PLATES TO BE INSTALLED ON PUSH SIDE OF DOORS

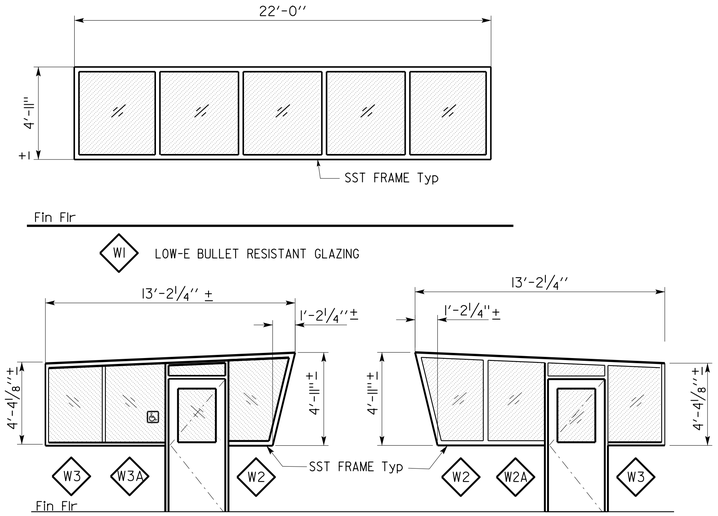
1 DOOR TYPES

SCALE = 1/4"=1'-0"



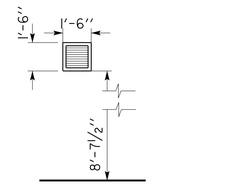
2 DOOR FRAME ANCHORAGE

NOT TO SCALE



4 WINDOW TYPES

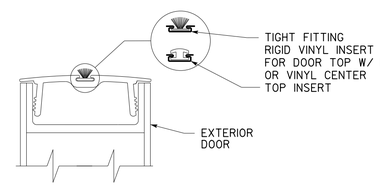
SCALE = 1/4"=1'-0"



3 LOUVER TYPES

SCALE = 1/4"=1'-0"

NOTE:
All windows, doors and louvers are to be provided by precast Conc Bldg and pre-engineered steel Bldg manufacturers.



5 DOOR TOP

NO SCALE

	BY	CHECKED
DESIGN	DOUG LOWE	
DETAILS	CYNTHIA BOYER	
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

UNIT 3584
PROJECT NUMBER & PHASE 07000211051
EA 000000

BRIDGE NO.
POST MILE 11.7

N/B CARSON WEIGH STATION

DOOR & WINDOW SCHEDULES

SHEET **A0-4.0**

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)								SHEET	OF
12-12	04-13	05-13	06-13	08-13	11-06			X	X

A0-4.0_Door sched.dgn
TAEMWW imperial Rev. 7/10 31-JUL-2014 15:26

31-JUL-2014 15:26
A0-4.0_Door sched.dgn

FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR				BASE				WALLS														CEILING				REMARKS, SPECIAL CONDITIONS
										NORTH					EAST					SOUTH					WEST										
		CONCRETE	CERAMIC TILE	RESILIENT SHEET		RESILIENT BASE, 4" Typ	CERAMIC TILE COVED BASE			METAL PANELS	FRP COMPOSITE	CERAMIC TILE			METAL PANELS	FRP COMPOSITE	CERAMIC TILE			METAL PANELS	FRP COMPOSITE	CERAMIC TILE			METAL PANELS	FRP COMPOSITE	CERAMIC TILE			METAL PANELS	FRP COMPOSITE		APPROXIMATE CEILING HEIGHT	
001	SCALE ROOM/LOBBY			X		X				X					X					X					X					X			VARIES	
002	BREAK ROOM			X		X					X					X					X					X						X		10'-11"±	
003	TRUCKER'S RESTROOM		X				X					X					X						X					X				X		10'-11"±	
004	LOCKER	X				X					X					X					X					X						X		10'-11"±	
005	STORAGE	X				X					X					X					X					X						X		10'-11"±	
006	JANITOR	X				X					X					X					X					X						X		10'-11"±	
007	RESTROOM		X				X				X					X					X					X						X		10'-11"±	

GENERAL NOTES

1. Exposed pipe and electrical conduit must be painted to match adjacent surfaces UON.
2. Color of materials to be selected by the Engineer from the manufacturer's standard color palette.
3. See the special provisions for the appropriate coatings system for each material to be coated.

ABBREVIATIONS

PVDF - Polyvinylidene Fluoride

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	405	10.5/12.6	91	188

LICENSED ARCHITECT — 11-06-13 DATE

LICENSED ARCHITECT ANTHONY CHUNG No. C24693 Exp 11-30-15 STATE OF CALIFORNIA

6-23-14
PLANS APPROVAL DATE

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ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA
PROJECT ID 0700021105
Reviewed by: Y. A. WANG
Date: 11-06-13

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Approval date: 09-10-13

FINISH SCHEDULE

EXTERIOR

PRE-ENGINEERED STEEL Bldg

ITEM	FINISH	NOTES
METAL WALL PANEL	SEMI-GLOSS, PAINT	
METAL ROOF SOFFIT AND FASCIA	#4 SST	
DOOR FRAME	#4 SST	
DOOR	#4 SST	
WINDOW FRAME	#4 SST	
METAL ROOF PANEL	SEMI-GLOSS, PAINT	
DOWNSPOUT	#4 SST	
LIGHT FIXTURE AT SOFFIT	SEMI-GLOSS, PAINT	
FLASHING AND TRIM	SEMI-GLOSS, PAINT	
GLAZING	BULLET-RESISTANT	

PRECAST Conc Bldg

ITEM	FINISH	NOTES
CONCRETE WALLS	SEALED CONCRETE	
CONCRETE SCORE JOINT	- -	
PREFINISHED Alum COPING	SEMI-GLOSS, PAINT	
WINDOW FRAME Alum	SEMI-GLOSS, PAINT	
DOOR FRAME	SEMI-GLOSS, PAINT	
DOOR	SEMI-GLOSS, PAINT	
LOUVER	PVDF FINISH	
PREFABRICATED ROOF SCREENS	PVDF FINISH	
LIGHT FIXTURES	SEMI-GLOSS, PAINT	

INTERIOR

PRE-ENGINEERED STEEL Bldg

ITEM	FINISH	NOTES
RESILIENT SHEET FLOORING	- -	
RESILIENT BASE	- -	
METAL WALL AND CEILING PANELS	SEMI-GLOSS, PAINT	
COUNTER TOP	#4 SST SATIN BRUSHED FINISH	
COUNTER TOP EDGE	#4 SST SATIN BRUSHED FINISH	
UNDER COUNTER PANEL AND ACCESS COVER	#4 SST SATIN BRUSHED FINISH	
DOOR FRAME	SEMI-GLOSS, PAINT	
DOOR	SEMI-GLOSS, PAINT	
SWINGING GATE	#4 SST SATIN BRUSHED FINISH	
CORNER GUARD	MATTE	
CANTILEVER STEEL SHELVING	#4 SST SATIN BRUSHED FINISH	

PRECAST Conc Bldg

ITEM	FINISH	NOTES
CONCRETE FLOOR	SEALED CONCRETE	
FRP COMPOSITE WALL PANEL AND CEILING	TEXTURED	
RESILIENT BASE	- -	
CERAMIC TILE WALL	GLAZED	
CERAMIC TILE FLOOR	MATTE	
COUNTER TOP/SPLASHES	MATTE	
WALL & BASE CABINETS	MATTE	
FREE STANDING STEEL SHELVING	- -	
CORNER GUARD	MATTE	
METAL LOCKERS	- -	

DESIGN	BY DOUG LOWE	CHECKED	
DETAILS	BY CYNTHIA BOYER	CHECKED	
QUANTITIES	BY	CHECKED	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.
POST MILE 11.7

N/B CARSON WEIGH STATION
FINISH SCHEDULES

SHEET **A0-4.1**

A0-4.1_Fin sched.dgn
TAEMWW imperial Rev. 7/10 31-JUL-2014 15:26

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT 3584
PROJECT NUMBER & PHASE 07000211051
EA 07-28850

DISREGARD PRINTS BEARING EARLIER REVISION DATES →
REVISION DATES (PRELIMINARY STAGE ONLY): 12-12 | 04-13 | 05-13 | 06-13 | 08-13 | 11-06

SHEET X OF X

31-JUL-2014 15:26
A0-4.1_Fin sched.dgn

ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA
PROJECT ID 0700021105
Reviewed by: Y. A. WANG
Date: 11-06-13

CALIFORNIA STATE FIRE MARSHAL APPROVED
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Reviewed by: FRANCIS SOLICH
Approval date: 09-10-13

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	405	10.5/12.6	92	188

LICENSED ARCHITECT — DATE: 11-06-13

LICENSED ARCHITECT ANTHONY CHUNG No. C24693 Exp 11-30-15 STATE OF CALIFORNIA

6-23-14
PLANS APPROVAL DATE

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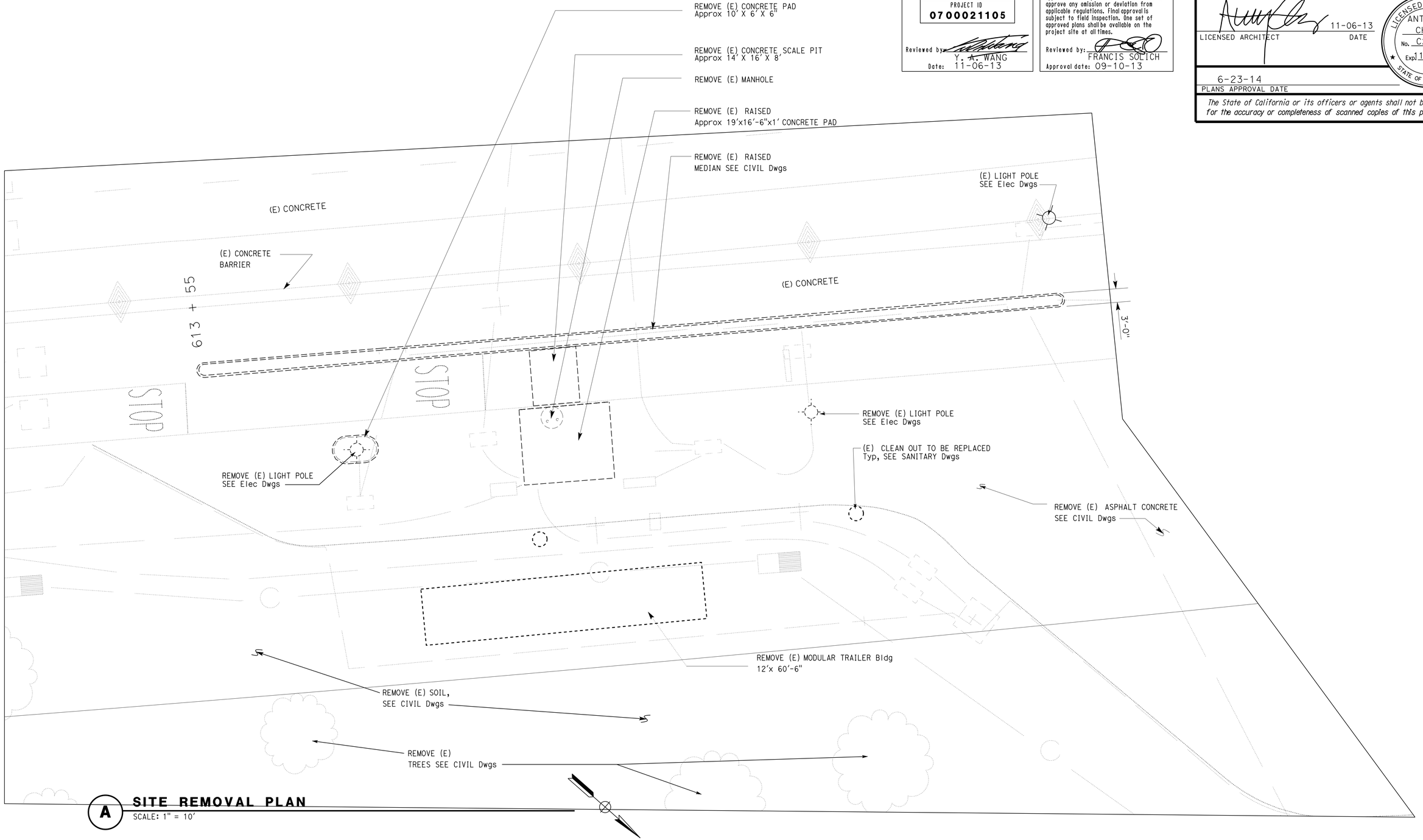

A SITE REMOVAL PLAN
SCALE: 1" = 10'

DESIGN	BY DOUG LOWE	CHECKED	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.
DETAILS	BY CYNTHIA BOYER	CHECKED			POST MILE 11.7
QUANTITIES	BY	CHECKED			

N/B CARSON WEIGH STATION
EXISTING SITE AND REMOVAL PLAN

SHEET **A1-1.0**

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT 3584
PROJECT NUMBER & PHASE 07000211051
EA 000000

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)										SHEET	OF
12-12	04-13	05-13	06-13	08-13	11-06					X	X

A1-1.0_Removplan.dgn
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31-JUL-2014 15:26
A1-1.0_Removplan.dgn

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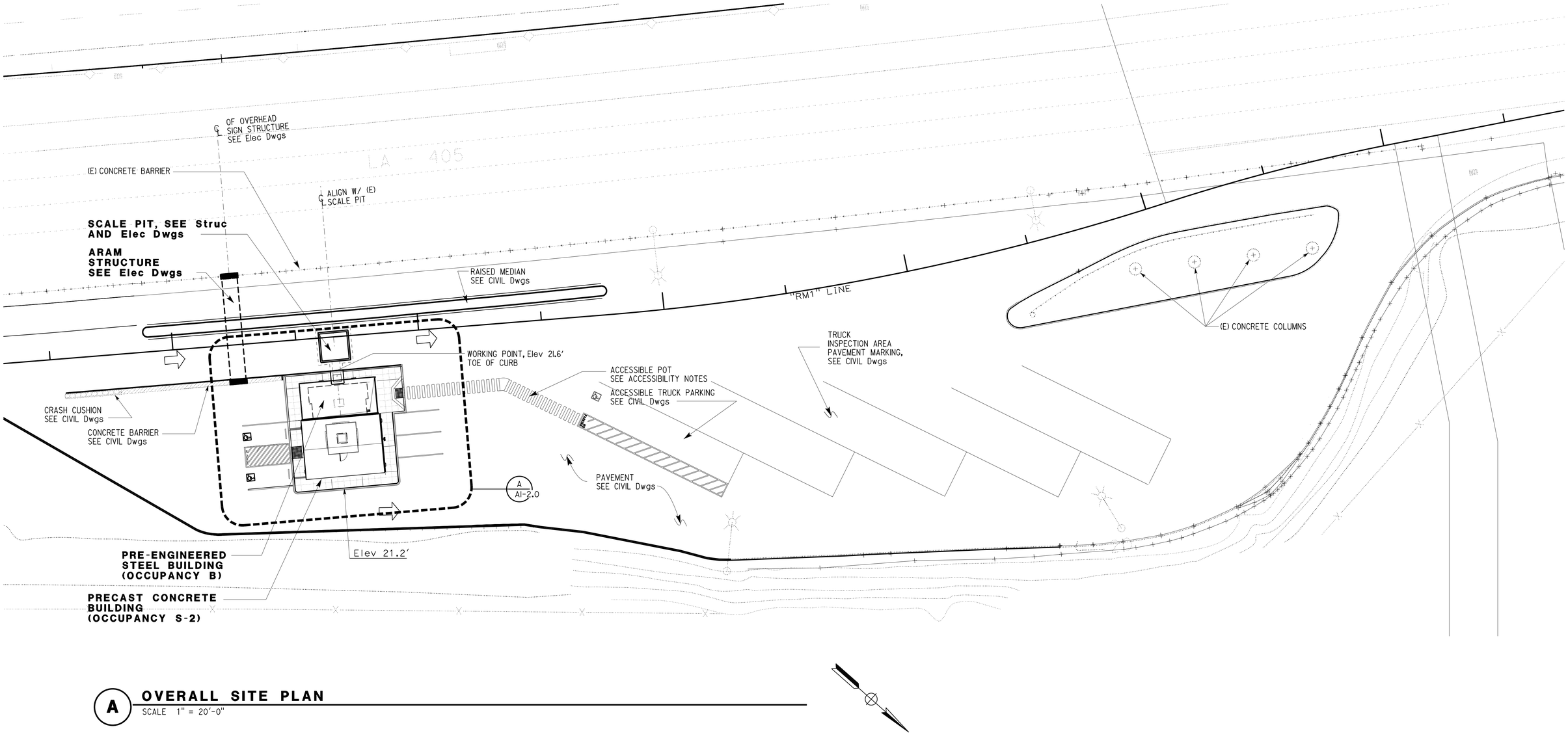

A OVERALL SITE PLAN

SCALE 1" = 20'-0"

DESIGN	BY DOUG LOWE	CHECKED	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.
DETAILS	BY ABRAHAM ALMAW	CHECKED			POST MILE 11.7
QUANTITIES	BY	CHECKED			

N/B CARSON WEIGH STATION

OVERALL SITE PLAN

SHEET A1-1.1

A1-1.1_Site Plan.dgn
TAEMWW imperial Rev. 7/10 31-JUL-2014 15:26

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT 3584
PROJECT NUMBER & PHASE 07000211051
EA 000000

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12-12	04-13	05-13	06-13	08-13	11-06					X	X

31-JUL-2014 15:26
A1-1.1_Site Plan.dgn

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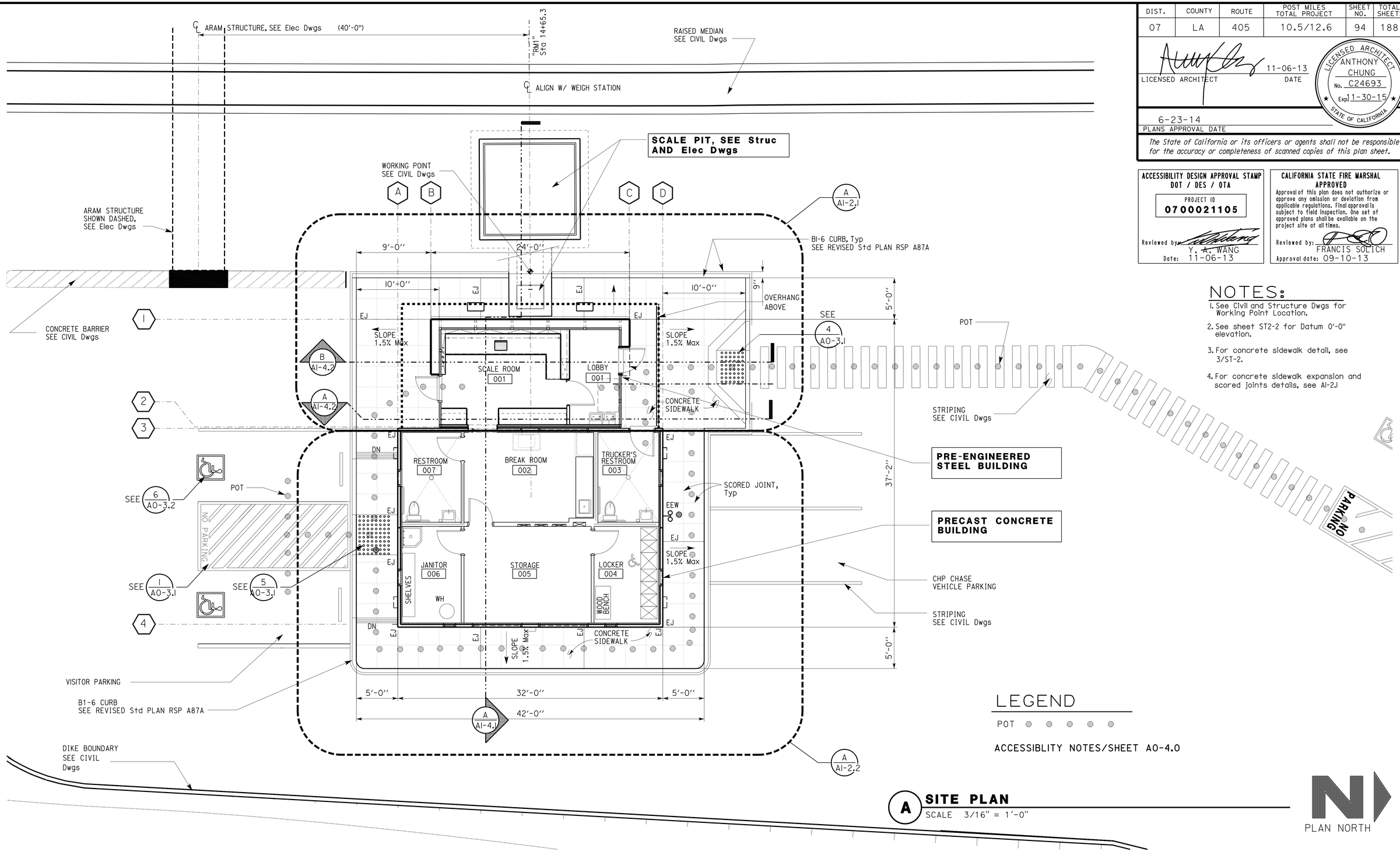

NOTES:

1. See Civil and Structure Dwgs for Working Point Location.
2. See sheet ST2-2 for Datum 0'-0" elevation.
3. For concrete sidewalk detail, see 3/ST-2.
4. For concrete sidewalk expansion and scored joints details, see AI-2.1

LEGEND

POT

ACCESSIBLITY NOTES/SHEET AO-4.0

PLAN NORTH

A SITE PLAN
SCALE 3/16" = 1'-0"

DESIGN	BY DOUG LOWE	CHECKED	
DETAILS	BY ABRAHAM ALMAW	CHECKED	
QUANTITIES	BY	CHECKED	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.
POST MILE 11.7

N/B CARSON WEIGH STATION
ENLARGED SITE PLAN

SHEET **A1-2.0**

A1-2.0_Enlarged Site plan.dgn
TAEMWW imperial Rev. 7/10 31-JUL-2014 15:26

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT 3584
PROJECT NUMBER & PHASE 07000211051
EA 000000

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31-JUL-2014 15:26
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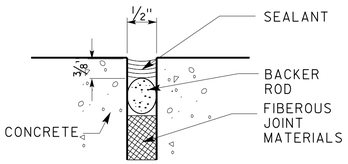

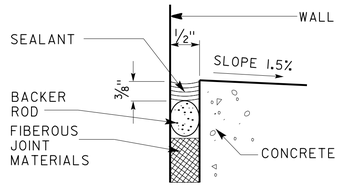

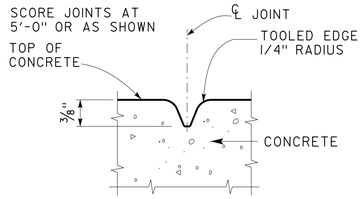

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6-23-14
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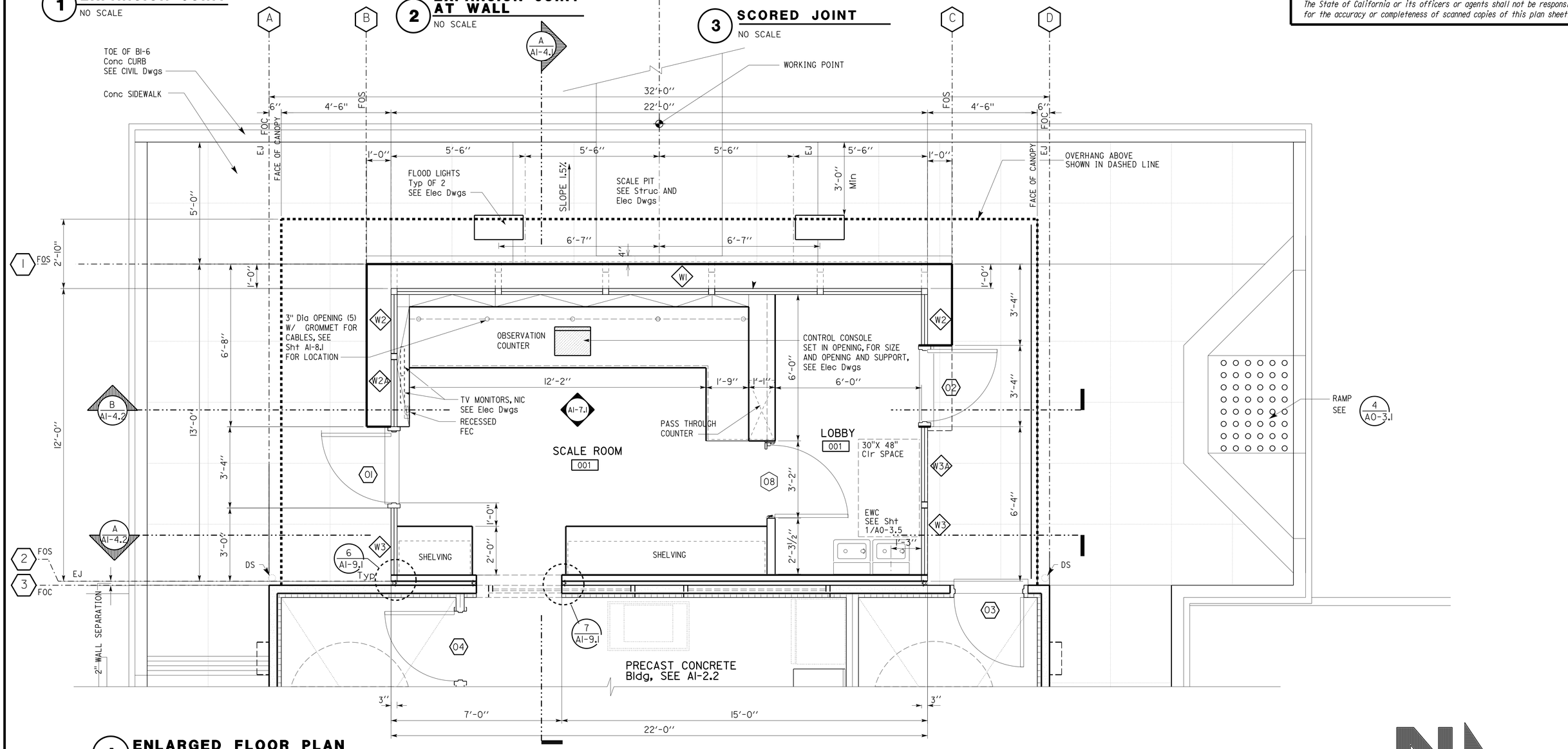
1 EXPANSION JOINT
NO SCALE

2 EXPANSION JOINT AT WALL
NO SCALE

3 SCORED JOINT
NO SCALE



A ENLARGED FLOOR PLAN
SCALE 1/2" = 1'-0"

PLAN NORTH

DESIGN	BY DOUG LOWE	CHECKED	
DETAILS	BY ABRAHAM ALMAW	CHECKED	
QUANTITIES	BY	CHECKED	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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UNIT 3584
PROJECT NUMBER & PHASE 07000211051
EA 000000

BRIDGE NO.
POST MILE 11.7

N/B CARSON WEIGH STATION
FLOOR PLAN I - PRE-ENGINEERED STEEL BUILDING

SHEET **A1-2.1**

A1-2.1_floor plan 1.dgn
TAEMWW imperial Rev. 7/10 31-JUL-2014 15:26

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)									SHEET	OF
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31-JUL-2014 15:26
A1-2.1_floor plan 1.dgn

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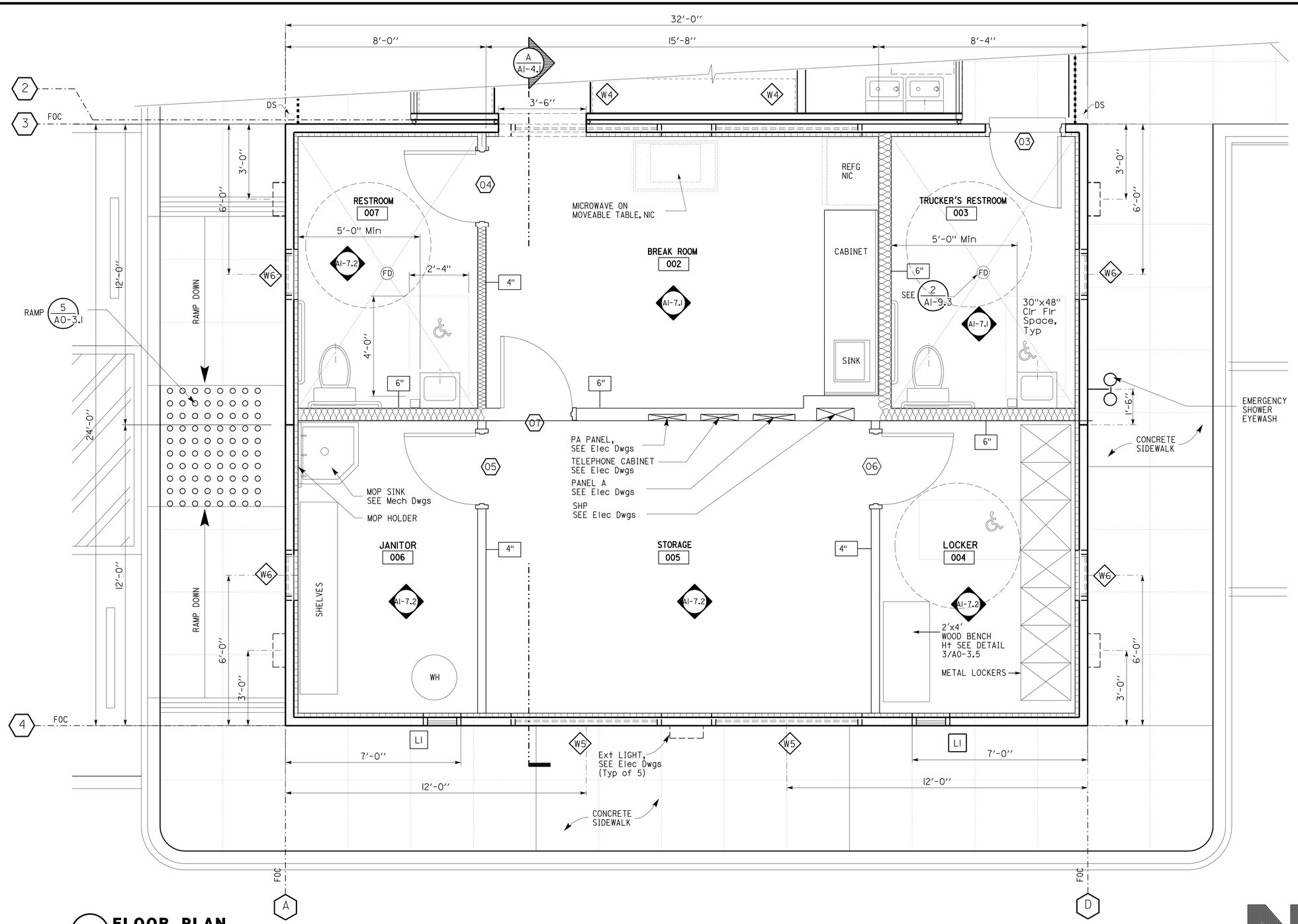

A FLOOR PLAN
SCALE 1/2" = 1'-0"

PLAN NORTH

WALL TYPES:

WALL 1		4" Precast Concrete Wall Panel with 2" (R-11) Rigid Insulation
WALL 2	6"	6" Steel Studs with Acous Insulation
WALL 3	4"	4" Typ Steel Studs with Acous Insulation
WALL 4	6"	6" Typ Steel Studs
WALL 5	4"	4" Typ Steel Studs

Steel Stud thickness to be 20 Ga minimum.

	BY		CHECKED
DESIGN	DOUG LOWE		CHECKED
DETAILS	ABRAHAM ALMAW		CHECKED
QUANTITIES			CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.
POST MILE 11.7

N/B CARSON WEIGH STATION
FLOOR PLAN 2-
PRECAST CONCRETE BUILDING

SHEET **A1-2.2**

A1-2.2_floor plan 2.dgn
TAEMWW imperial Rev. 7/10 31-JUL-2014 15:26

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT 3584
PROJECT NUMBER & PHASE 07000211051
EA 000000

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

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12-12	04-13	05-13	06-13	08-13	11-06				X	X

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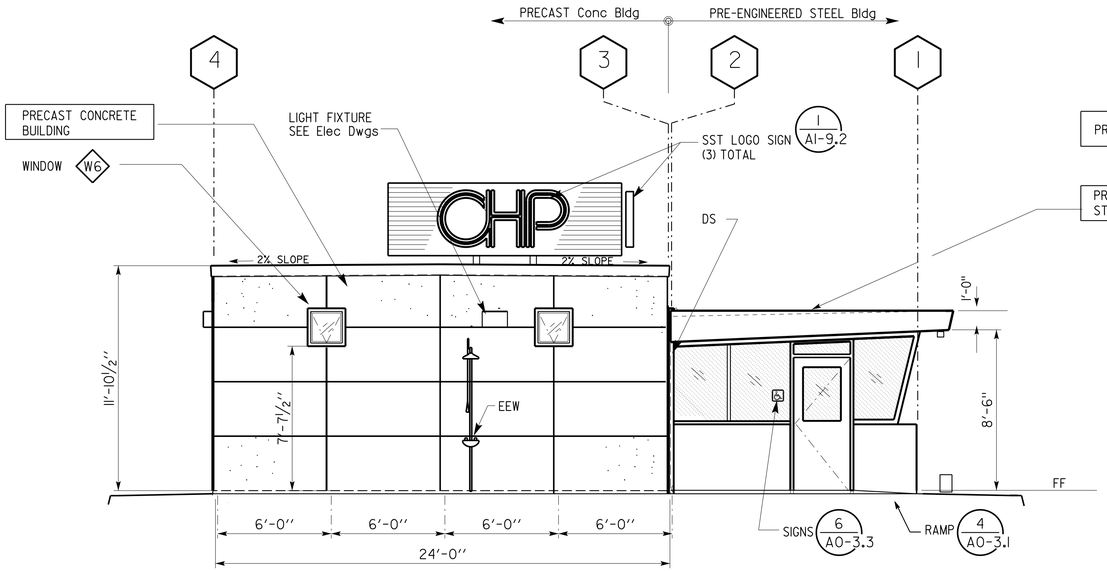
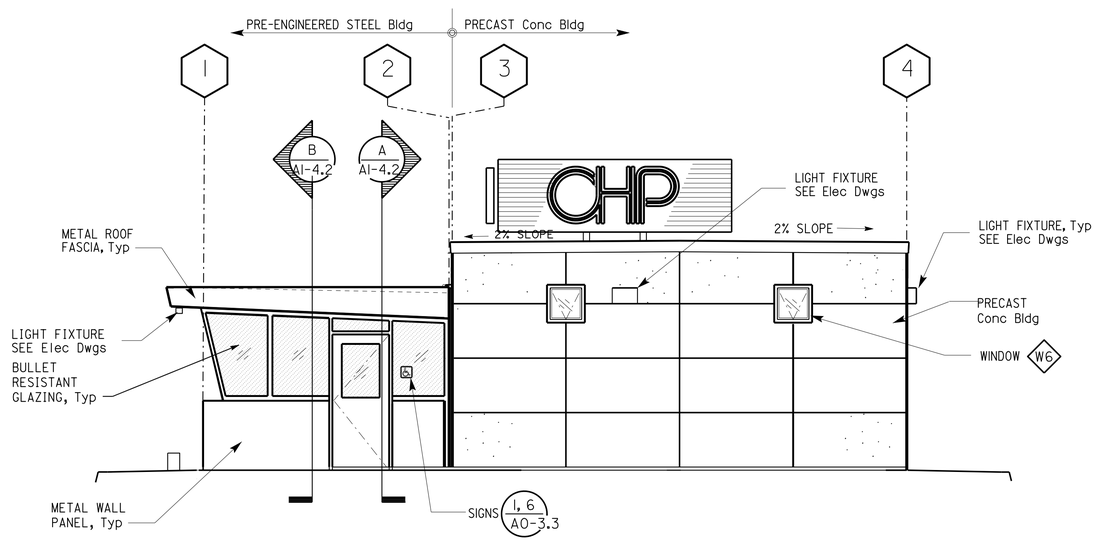


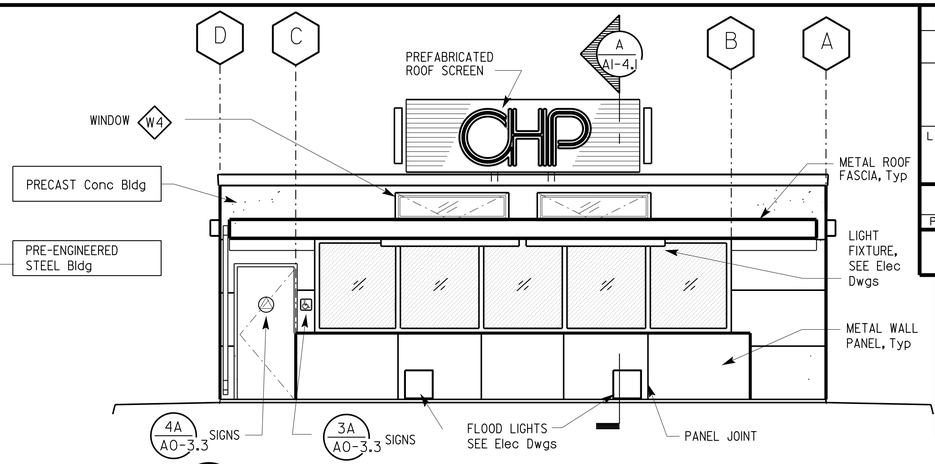
A NORTH ELEVATION

SCALE 1/4" = 1'-0"



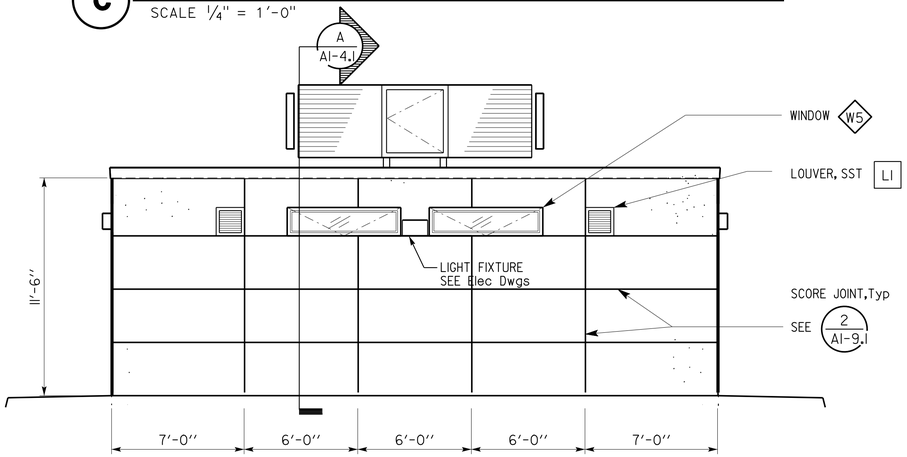
B SOUTH ELEVATION

SCALE 1/4" = 1'-0"



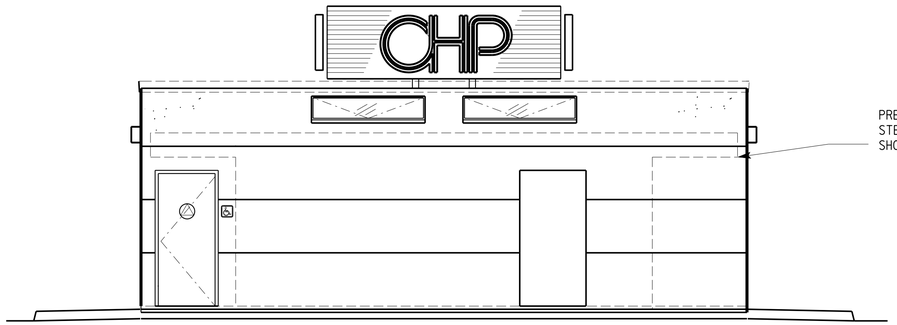
C WEST ELEVATION

SCALE 1/4" = 1'-0"



D EAST ELEVATION

SCALE 1/4" = 1'-0"



E WEST ELEVATION

SCALE 1/4" = 1'-0"

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LICENSED ARCHITECT — 11-06-13 DATE

LICENSED ARCHITECT ANTHONY CHUNG No. C24693 Exp 11-30-15 STATE OF CALIFORNIA

6-23-14
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PROJECT ID 0700021105

Reviewed by: Y. A. WANG Date: 11-06-13

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Reviewed by: FRANCIS SOLICH Approval date: 09-10-13

DESIGN	BY DOUG LOWE	CHECKED	
DETAILS	BY ABRAHAM ALMAW	CHECKED	
QUANTITIES	BY	CHECKED	

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.

POST MILE 11.7

N/B CARSON WEIGH STATION

EXTERIOR ELEVATIONS

SHEET A1-3.0

A1-3_Elevations.dgn
TAEMWW imperial Rev. 7/10 31-JUL-2014 15:26

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT 3584
PROJECT NUMBER & PHASE 07000211051
EA 000000

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)									SHEET	OF
12-12	04-13	05-13	06-13	08-13	11-06				X	X

31-JUL-2014 15:26
A1-3_Elevations.dgn

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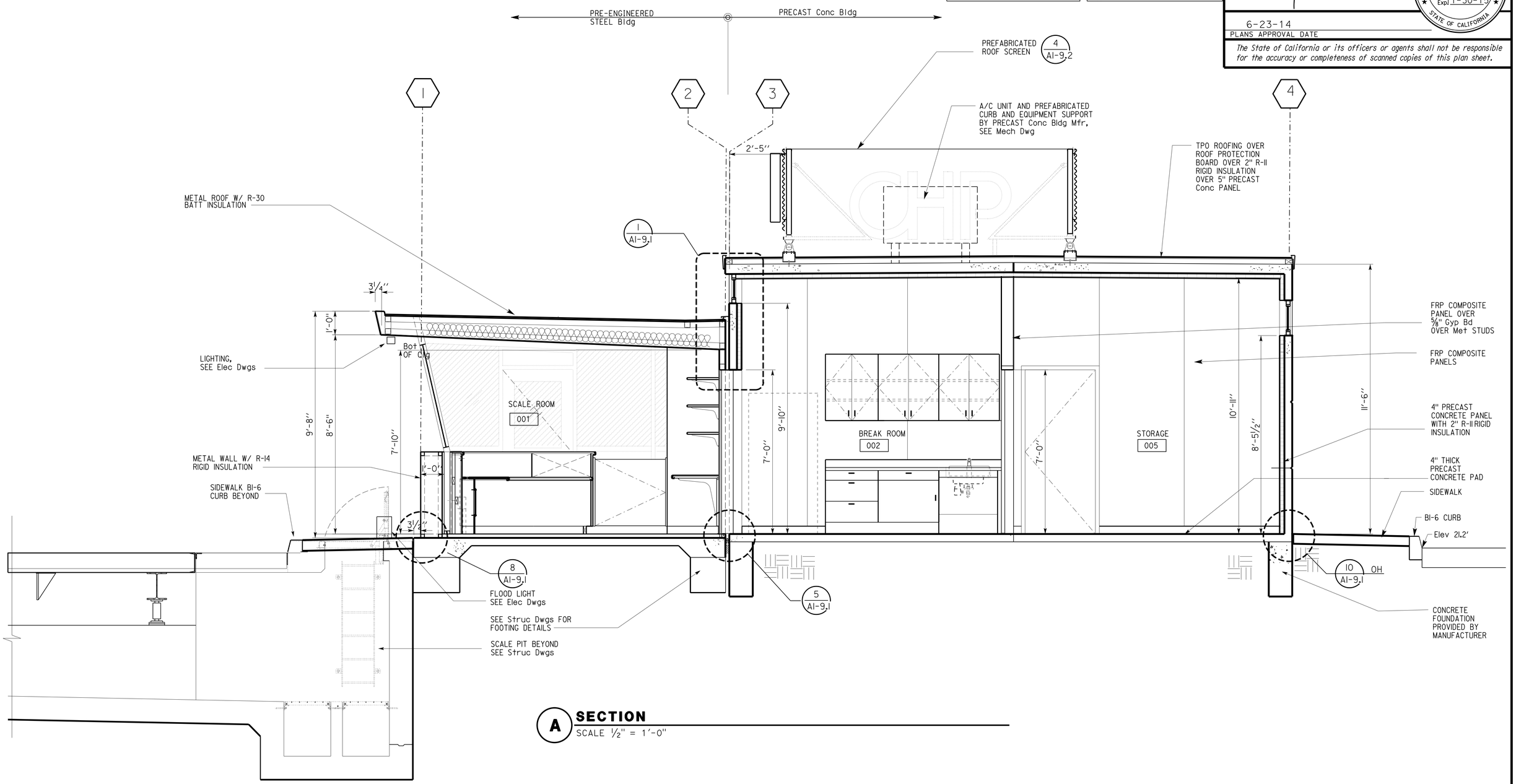

A SECTION
SCALE 1/2" = 1'-0"

DESIGN	BY DOUG LOWE	CHECKED	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.
DETAILS	BY ABRAHAM ALMAW	CHECKED			POST MILE 11.7
QUANTITIES	BY	CHECKED			

N/B CARSON WEIGH STATION

SECTION

SHEET **A1-4.1**

A1-4.1_Sections.dgn
TAEMWW imperial Rev. 7/10 31-JUL-2014 15:27

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UNIT 3584
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REVISION DATES (PRELIMINARY STAGE ONLY)									SHEET	OF
12-12	04-13	05-13	06-13	08-13	11-06				X	X

31-JUL-2014 15:27
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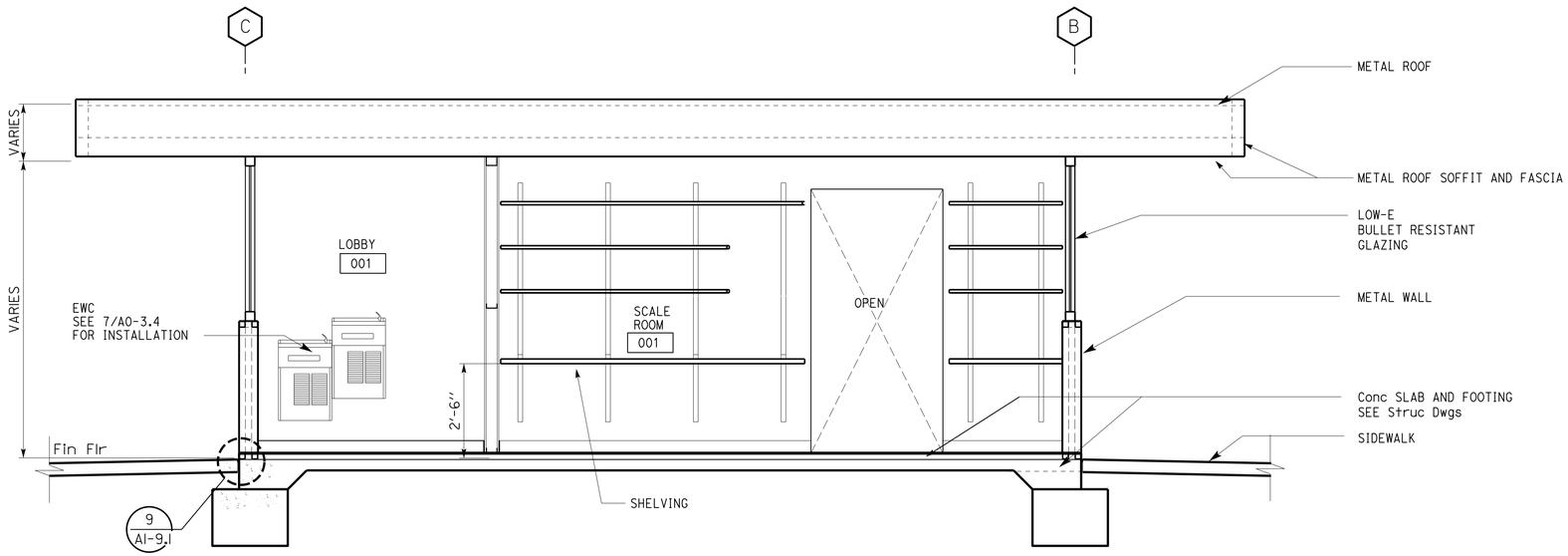
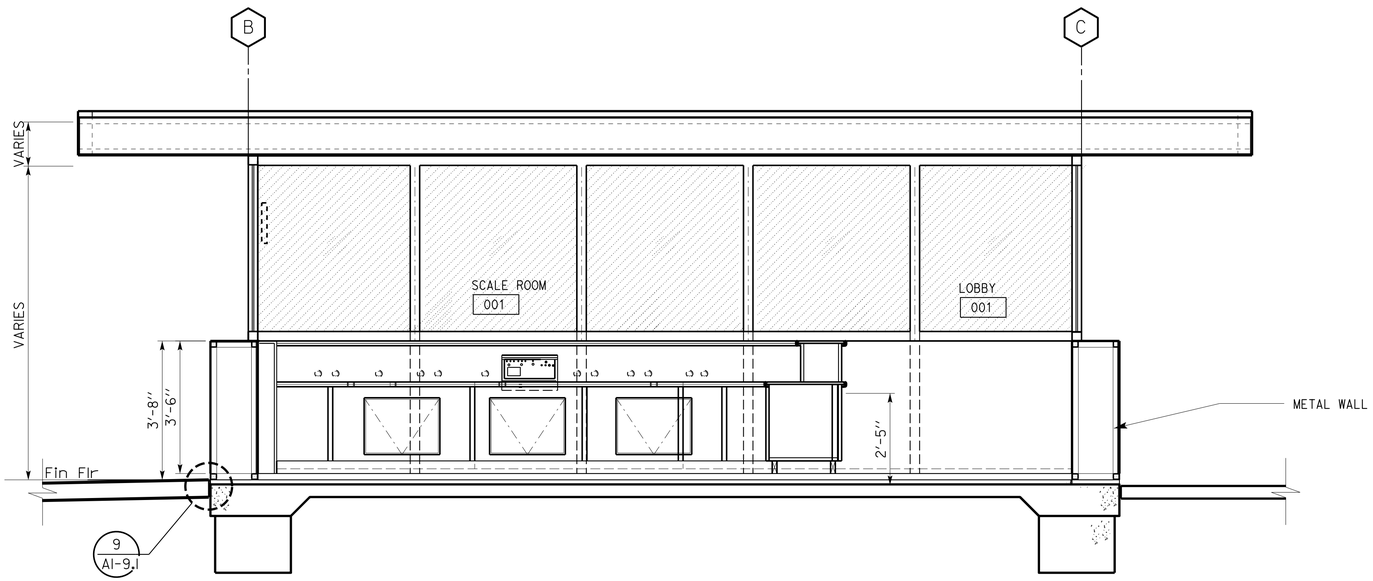


A SECTION
SCALE 1/2" = 1'-0"



B SECTION
SCALE 1/2" = 1'-0"

DESIGN	BY DOUG LOWE	CHECKED	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	N/B CARSON WEIGH STATION
DETAILS	BY ABRAHAM ALMAW	CHECKED			POST MILE 11.7	SECTIONS
QUANTITIES	BY	CHECKED				SHEET A1-4.2

A1-4.2_Sections.dgn
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UNIT 3584
PROJECT NUMBER & PHASE 07000211051
EA 000000

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)									SHEET	OF
12-12	04-13	05-13	06-13	08-13	11-06				X	X

31-JUL-2014 15:27
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DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	405	10.5/12.6	100	188

LICENSED ARCHITECT — 11-06-13 DATE

LICENSED ARCHITECT ANTHONY CHUNG No. C24693 Exp 11-30-15 STATE OF CALIFORNIA

6-23-14
PLANS APPROVAL DATE

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.

ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA

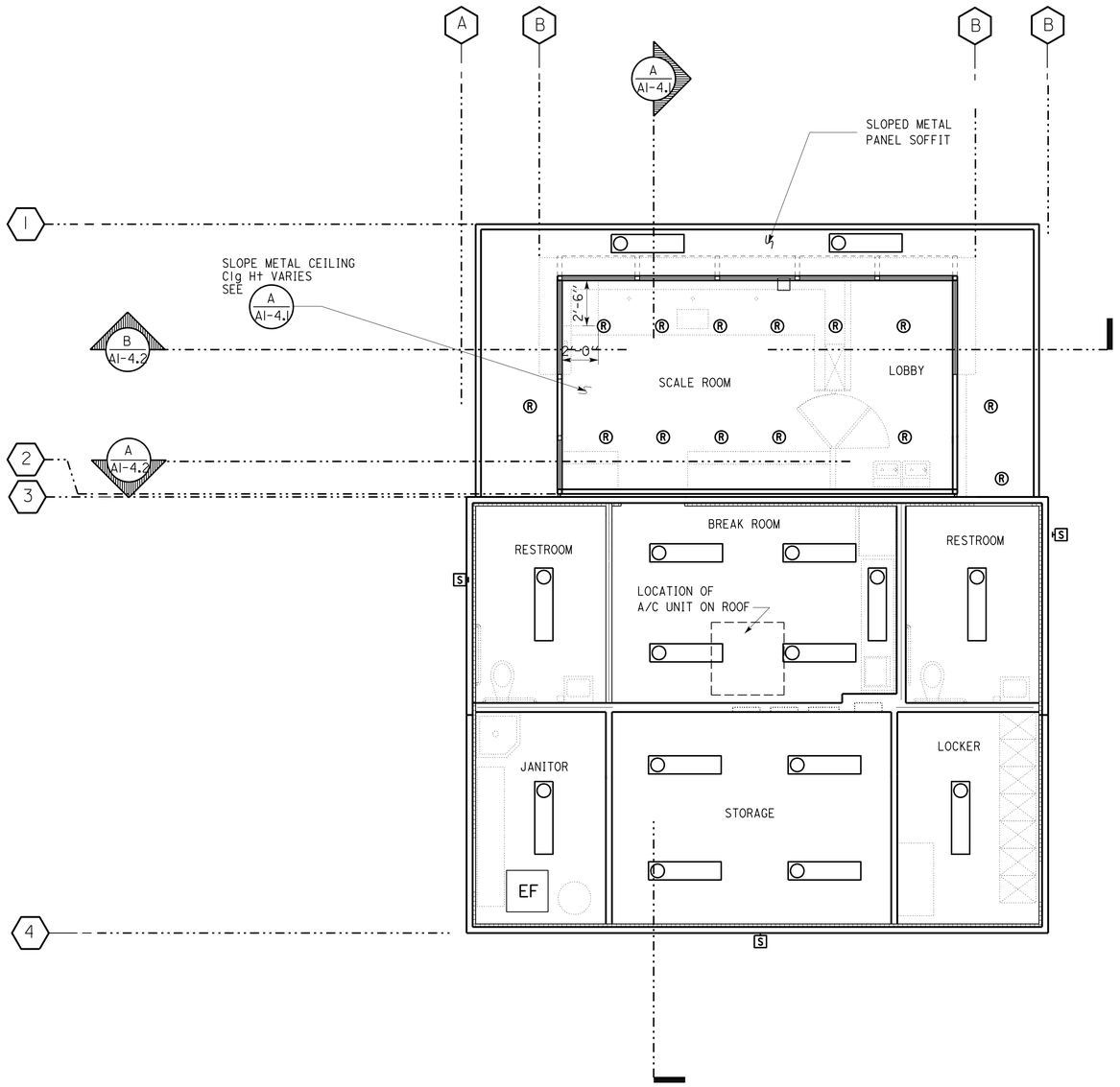
PROJECT ID **0700021105**

Reviewed by: Y. A. WANG
Date: 11-06-13

CALIFORNIA STATE FIRE MARSHAL APPROVED

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

Reviewed by: FRANCIS SOLICH
Approval date: 09-10-13



A REFLECTED CEILING PLAN

SCALE 1/4" = 1'-0"

LEGEND

- CEILING MOUNTED FLUORESCENT LIGHTING, SEE Elec Dwgs
- (R) RECESSED LIGHT, SEE Elec Dwgs
- S WALL MOUNTED LIGHT FIXTURE, SEE Elec Dwgs
- EF EXHAUST FAN, Mech Dwgs

PLAN NORTH

DESIGN	BY DOUG LOWE	CHECKED	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.
DETAILS	BY CYNTHIA BOYER	CHECKED			POST MILE 11.7
QUANTITIES	BY	CHECKED			

N/B CARSON WEIGH STATION

REFLECTED CEILING PLAN

SHEET A1-5.0

A1-5_Ref plan.dgn
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ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT 3584
PROJECT NUMBER & PHASE 07000211051
EA 000000

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)									SHEET	OF
12-12	04-13	05-13	06-13	08-13	11-06				X	X

31-JUL-2014 15:27
A1-5_Ref plan.dgn