Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	201	343

12/04/12
REGISTERED CIVIL ENGINEER DATE

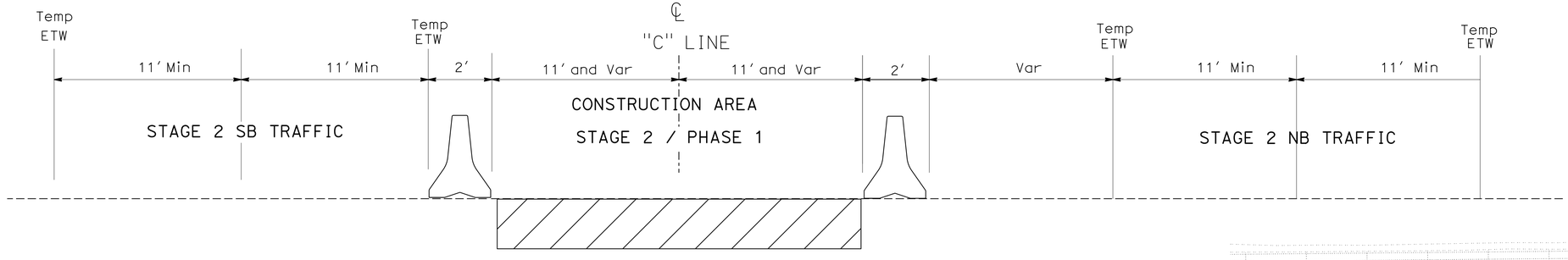
FAWZI YAGHMOUR No. C-54750 Exp. 12/31/13 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

4-29-13
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.

TRAFFIC NOTES FOR STAGE 2 PHASE 1

- NB TRAFFIC ON EXISTING LANES
- SB TRAFFIC ON EXISTING LANES
- NB ON-RAMP OPEN TO TRAFFIC
- CALLE REAL TRAFFIC ON CALLE REAL DETOUR "CRD1" ALIGNMENT



SECTION 2A-2A
NO SCALE

TRAFFIC HANDLING PLAN
(STAGE 2/PHASE 1)

SCALE: 1" = 50′

TH-21

APPROVED FOR TRAFFIC HANDLING WORK ONLY

REVISED BY | DATE REVISED
DAVID BLACK | FAWZI YAGHMOUR
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

LAST REVISION 01-15-13 | DATE PLOTTED => 03-MAY-2013 | TIME PLOTTED => 13:32

BORDER LAST REVISED 7/2/2010 | USERNAME => s124496 | DGN FILE => 0500000055md021.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1512 | PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	202	343

12/04/12
REGISTERED CIVIL ENGINEER DATE

FAWZI YAGHMOUR No. C-54750 Exp. 12/31/13 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

4-29-13
PLANS APPROVAL DATE

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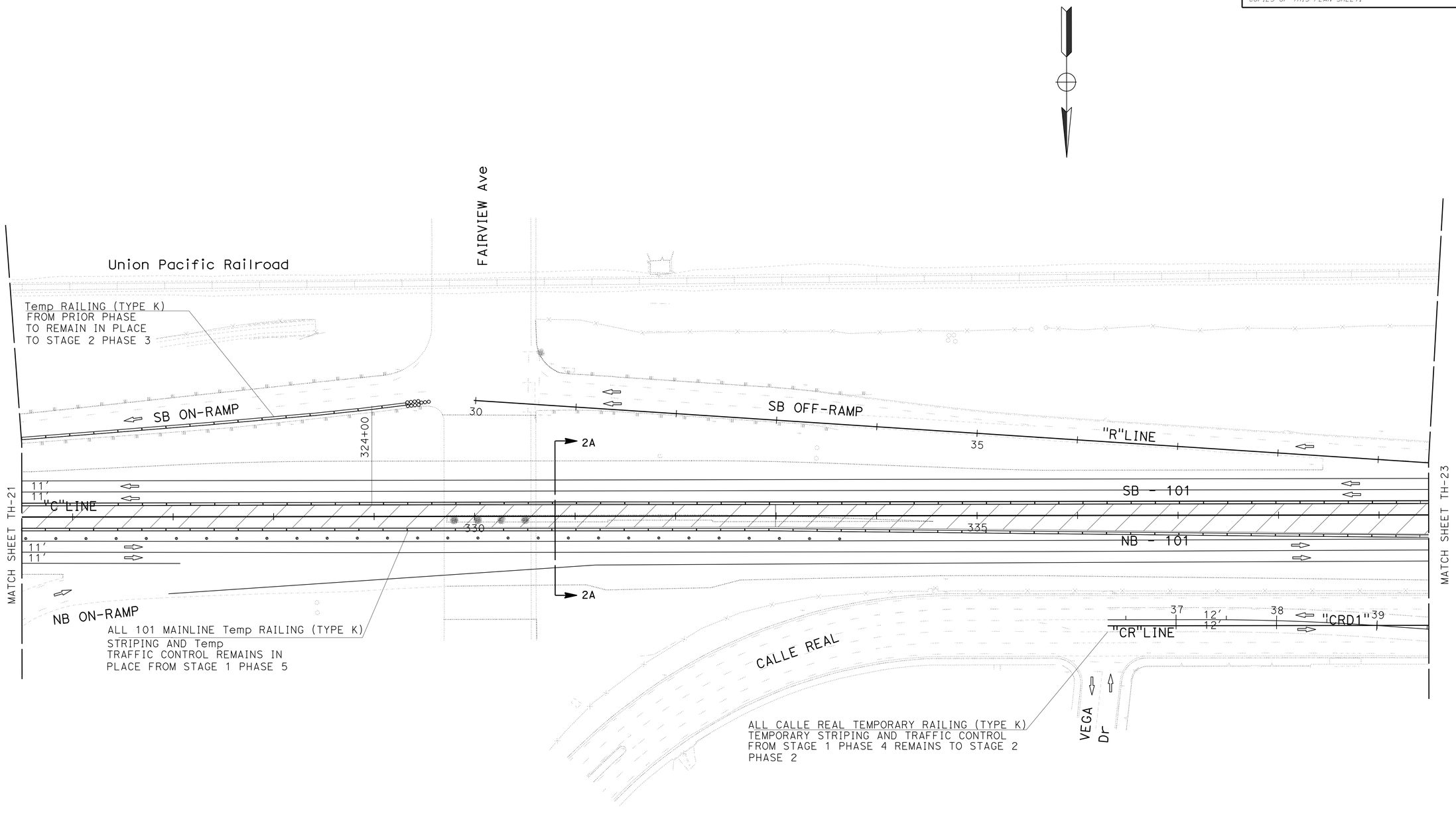

TRAFFIC HANDLING PLAN

(STAGE 2/PHASE 1)

SCALE: 1" = 50'

TH-22

APPROVED FOR TRAFFIC HANDLING WORK ONLY

CALCULATED-DESIGNED BY
CHECKED BY
DAVID BLACK
FAWZI YAGHMOUR
REVISED BY
DATE REVISED
FUNCTIONAL SUPERVISOR
MOHAMMED QATAMI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC DESIGN

LAST REVISION 01-15-13
DATE PLOTTED => 03-MAY-2013
TIME PLOTTED => 13:32

BORDER LAST REVISED 7/2/2010
USERNAME => s124496
DGN FILE => 0500000055md022.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1512
PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	203	343

12/04/12
REGISTERED CIVIL ENGINEER DATE

4-29-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
FAWZI YAGHMOUR
No. C-54750
Exp. 12/31/13
CIVIL
STATE OF CALIFORNIA

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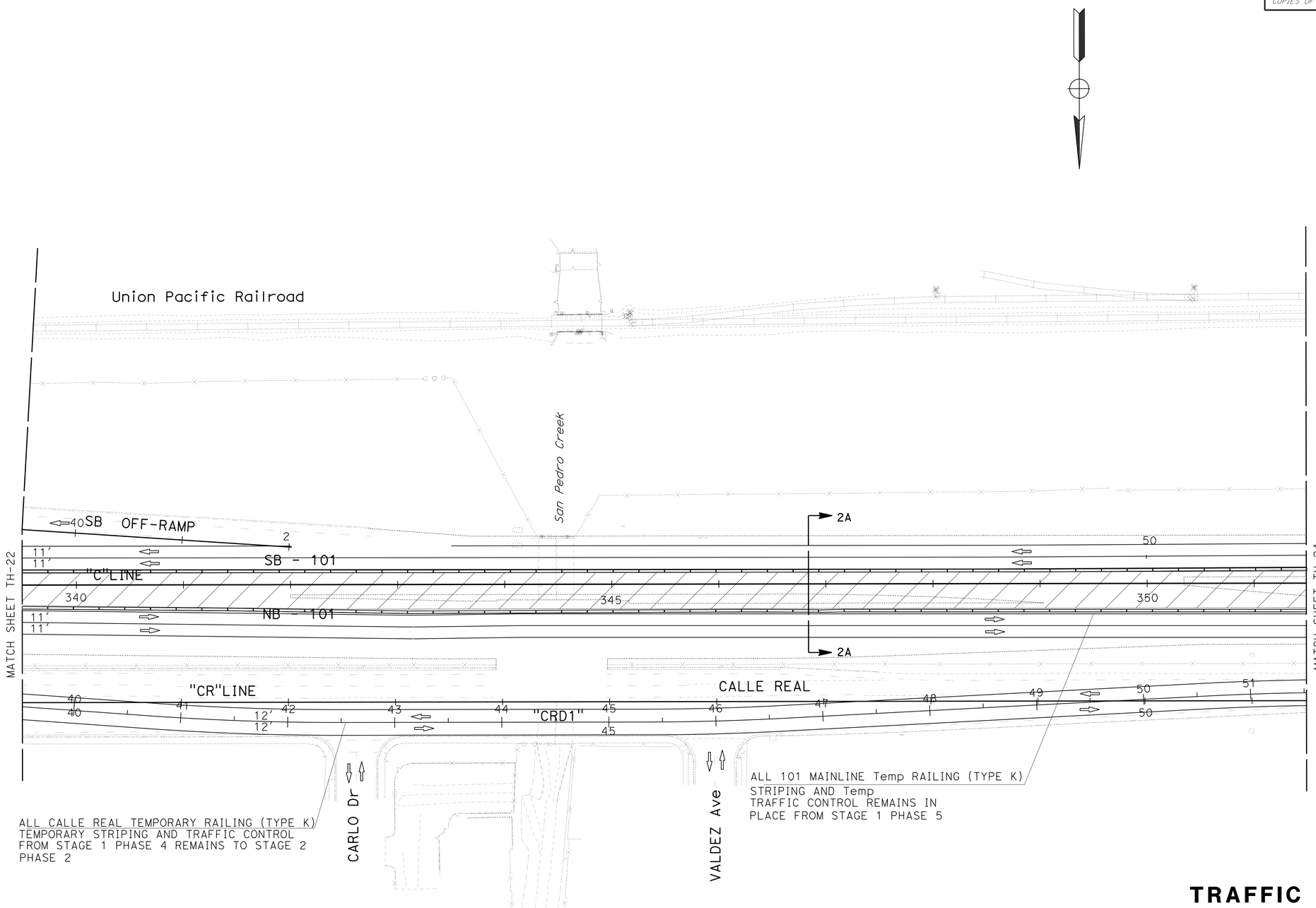

TRAFFIC HANDLING PLAN

(STAGE 2/PHASE 1)

SCALE: 1" = 50′

TH-23

APPROVED FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI

CALCULATED-DESIGNED BY: DAVID BLACK
CHECKED BY: FAWZI YAGHMOUR

REVISED BY	DATE REVISED

LAST REVISION | DATE PLOTTED => 03-MAY-2013
01-15-13 | TIME PLOTTED => 13:32

BORDER LAST REVISED 7/2/2010
USERNAME => s124496
DGN FILE => 0500000055md023.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1512
PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	204	343

12/04/12
REGISTERED CIVIL ENGINEER DATE

4-29-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
FAWZI YAGHMOUR
No. C-54750
Exp. 12/31/13
CIVIL
STATE OF CALIFORNIA

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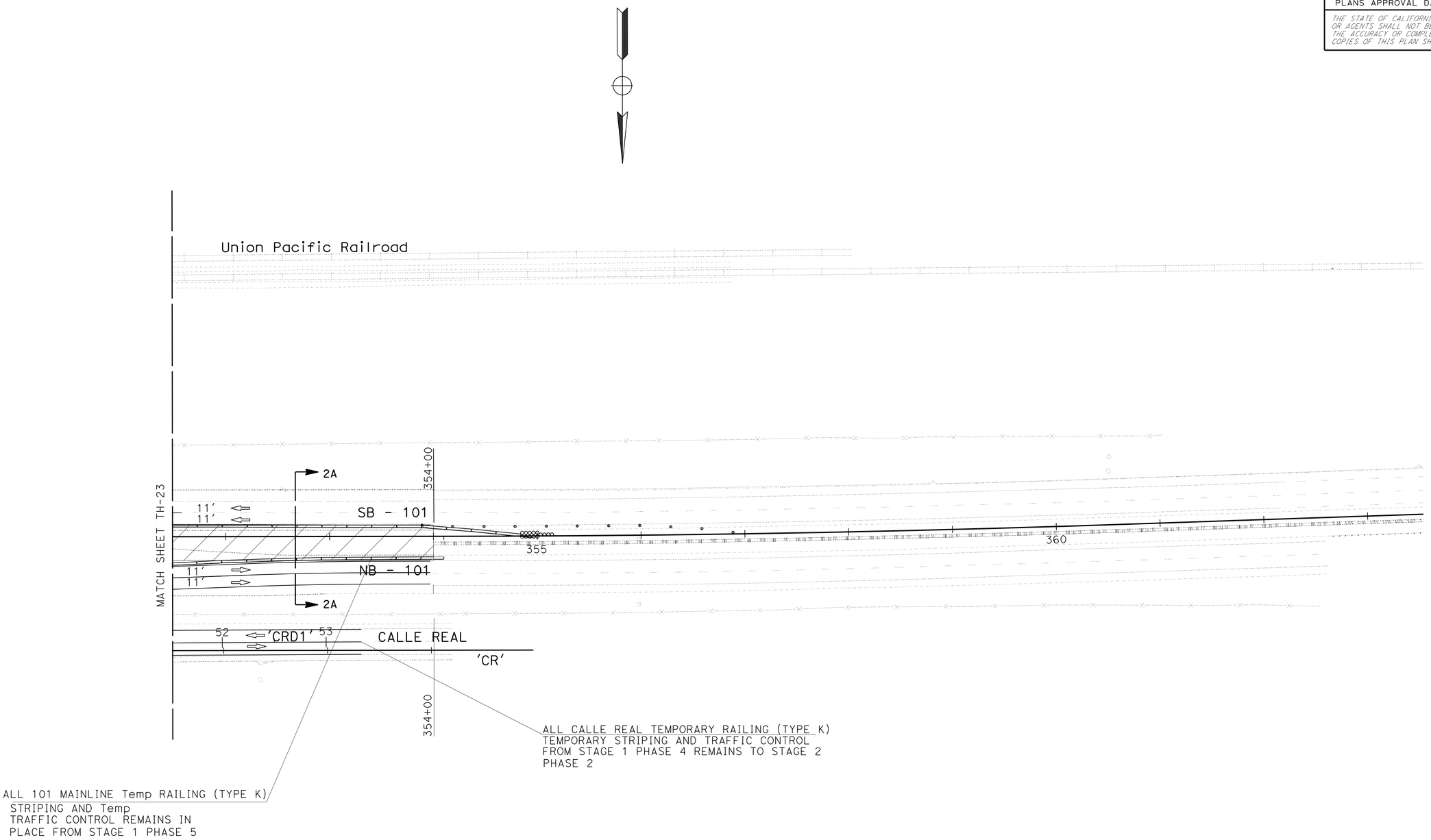

TRAFFIC HANDLING PLAN

(STAGE 2/PHASE 1)

SCALE: 1" = 50'

TH-24

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CALCULATED-DESIGNED BY
CHECKED BY
DAVID BLACK
FAWZI YAGHMOUR
REVISED BY
DATE REVISED
FUNCTIONAL SUPERVISOR
MOHAMMED QATAMI
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
TRAFFIC DESIGN

LAST REVISION 01-15-13
DATE PLOTTED => 03-MAY-2013
TIME PLOTTED => 13:32

BORDER LAST REVISED 7/2/2010
USERNAME => s124496
DGN FILE => 0500000055md024.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1512
PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	205	343

12/04/12
REGISTERED CIVIL ENGINEER DATE

FAWZI YAGHMOUR No. C-54750 Exp. 12/31/13 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

4-29-13
PLANS APPROVAL DATE

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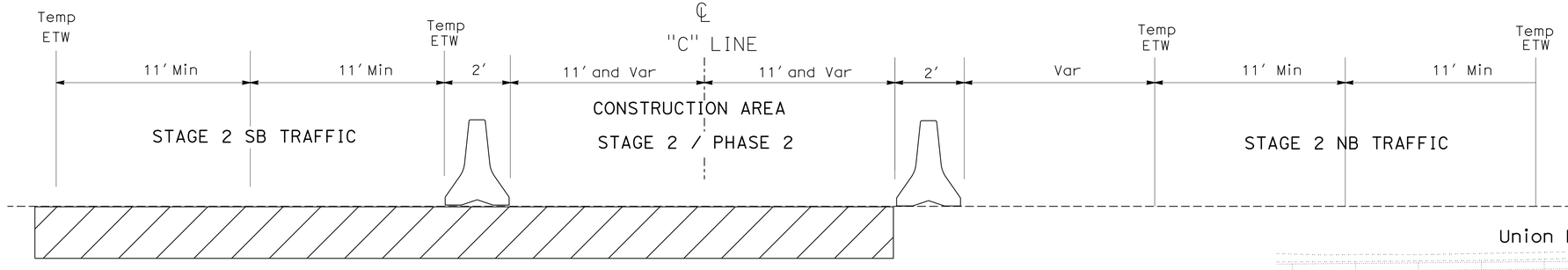
TRAFFIC NOTES FOR STAGE 2 PHASE 2

- NB TRAFFIC ON EXISTING LANES
- SB TRAFFIC ON EXISTING LANES
- NB ON-RAMP OPEN TO TRAFFIC
- CALLE REAL TRAFFIC ON CALLE REAL DETOUR "CRD1" ALIGNMENT



SECTION 2B-2B
NO SCALE

TRAFFIC HANDLING PLAN
(STAGE 2/PHASE 2)

SCALE: 1" = 50′

TH-25

APPROVED FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC DESIGN
FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI
CALCULATED-DESIGNED BY: DAVID BLACK
CHECKED BY: FAWZI YAGHMOUR
REVISED BY / DATE REVISED

LAST REVISION 01-15-13
DATE PLOTTED => 03-MAY-2013
TIME PLOTTED => 13:32

BORDER LAST REVISED 7/2/2010
USERNAME => s124496
DGN FILE => 0500000055md025.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1512
PROJECT NUMBER & PHASE 05000000551

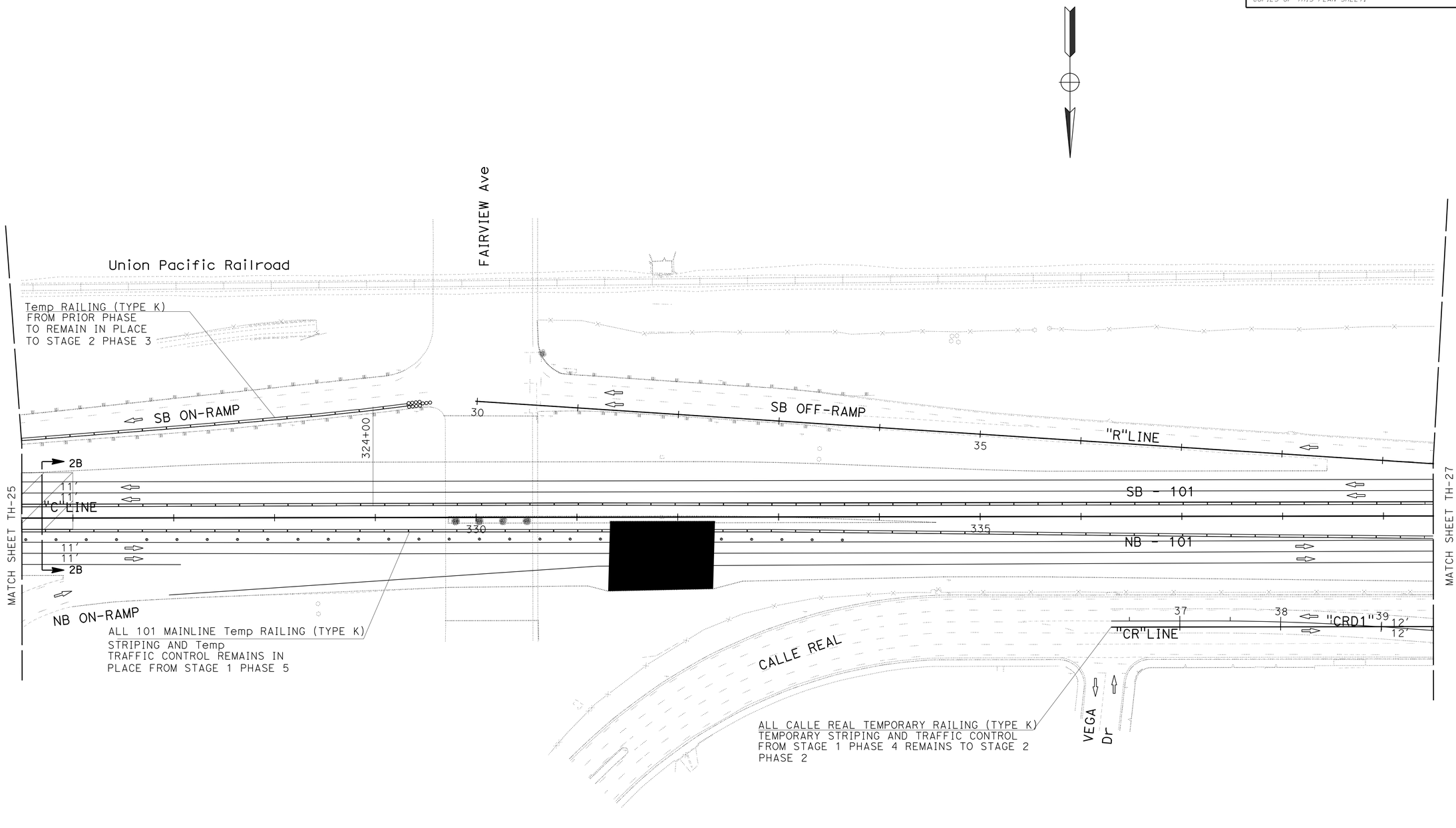
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	206	343

12/04/12
REGISTERED CIVIL ENGINEER DATE

FAWZI YAGHMOUR No. C-54750 Exp. 12/31/13 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

4-29-13
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.



TRAFFIC HANDLING PLAN

(STAGE 2/PHASE 2)

SCALE: 1" = 50'

TH-26

APPROVED FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN
FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI
CALCULATED-DESIGNED BY: DAVID BLACK
CHECKED BY: FAWZI YAGHMOUR
REVISED BY
DATE REVISED

LAST REVISION 01-15-13
DATE PLOTTED => 03-MAY-2013
TIME PLOTTED => 13:32

BORDER LAST REVISED 7/2/2010
USERNAME => s124496
DGN FILE => 0500000055md026.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1512
PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	207	343

12/04/12
REGISTERED CIVIL ENGINEER DATE

FAWZI YAGHMOUR No. C-54750 Exp. 12/31/13 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

4-29-13
PLANS APPROVAL DATE

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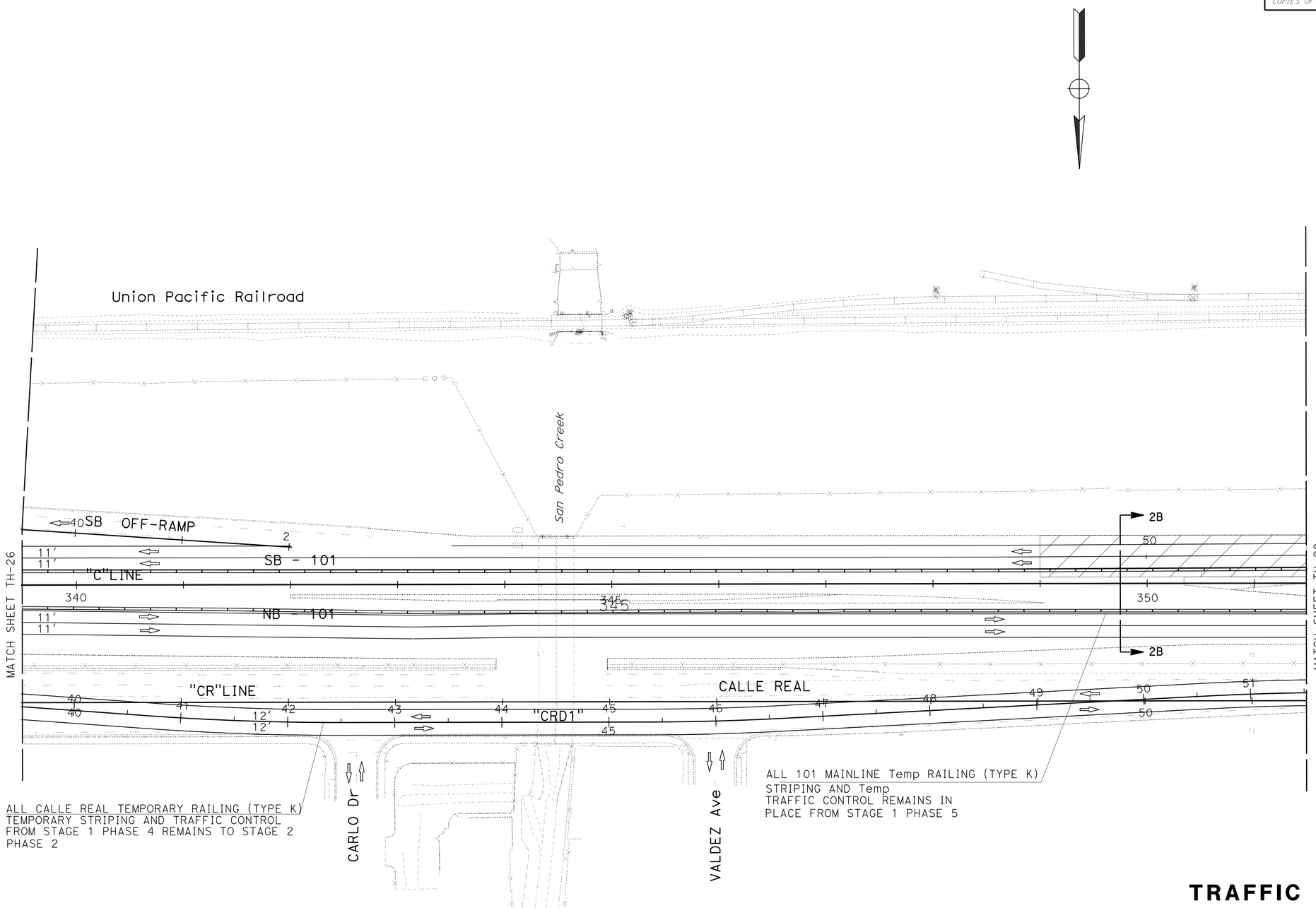

TRAFFIC HANDLING PLAN

(STAGE 2/PHASE 2)

SCALE: 1" = 50'

TH-27

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN
FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI
CALCULATED-DESIGNED BY: DAVID BLACK
CHECKED BY: FAWZI YAGHMOUR
REVISED BY | DATE REVISED

LAST REVISION | DATE PLOTTED => 03-MAY-2013
01-15-13 | TIME PLOTTED => 13:32

BORDER LAST REVISED 7/2/2010
USERNAME => s124496
DGN FILE => 0500000055md027.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1512
PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	208	343

12/04/12
REGISTERED CIVIL ENGINEER DATE

4-29-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
FAWZI YAGHMOUR
No. C-54750
Exp. 12/31/13
CIVIL
STATE OF CALIFORNIA

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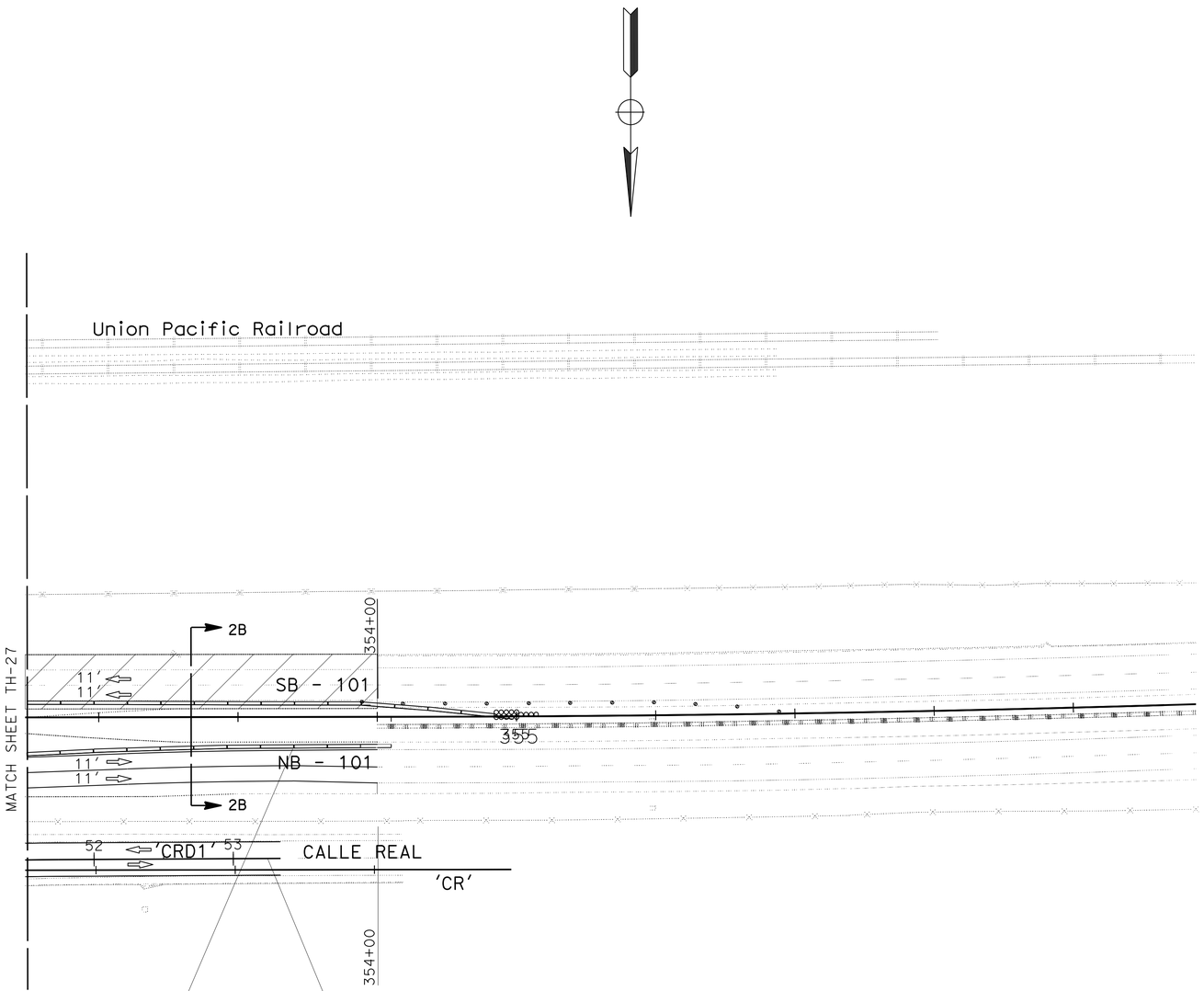


ALL 101 MAINLINE Temp RAILING (TYPE K)
STRIPING AND Temp
TRAFFIC CONTROL REMAINS IN
PLACE FROM STAGE 1 PHASE 5

ALL CALLE REAL TEMPORARY RAILING (TYPE K)
TEMPORARY STRIPING AND TRAFFIC CONTROL
FROM STAGE 1 PHASE 4 REMAINS TO STAGE 2
PHASE 2

TRAFFIC HANDLING PLAN
(STAGE 2/PHASE 2)
SCALE: 1" = 50'

TH-28

APPROVED FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI
CALCULATED-DESIGNED BY: DAVID BLACK
CHECKED BY: FAWZI YAGHMOUR

REVISED BY	DATE REVISED

LAST REVISION | DATE PLOTTED => 03-MAY-2013
01-15-13 | TIME PLOTTED => 13:32

BORDER LAST REVISED 7/2/2010
USERNAME => s124496
DGN FILE => 0500000055md028.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1512
PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	209	343

12/04/12
REGISTERED CIVIL ENGINEER DATE

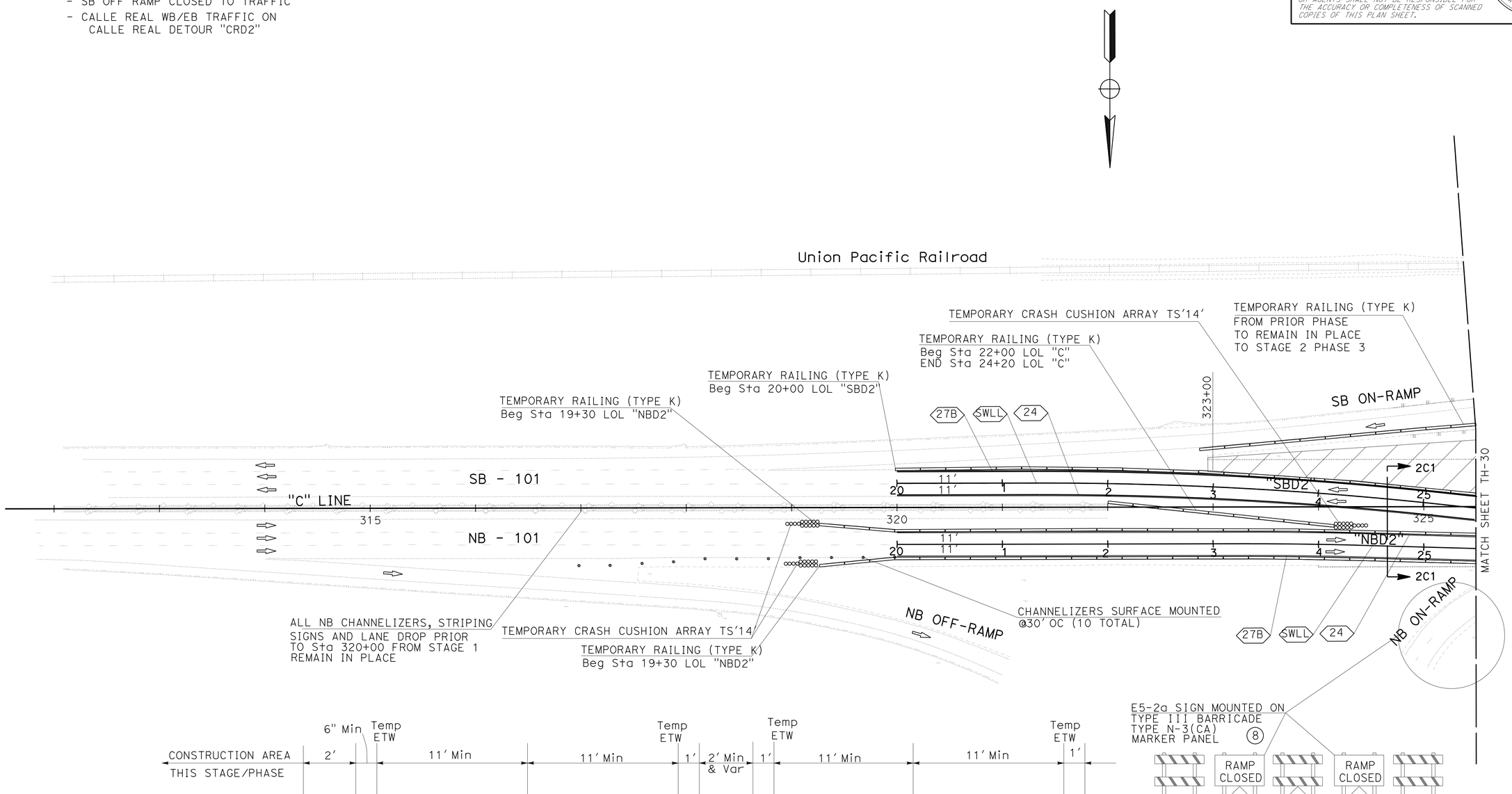
FAWZI YAGHMOUR No. C-54750 Exp. 12/31/13 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

4-29-13
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.

TRAFFIC NOTES FOR STAGE 2 PHASE 3

- SB TRAFFIC ON SB DETOUR "SBD2"
- NB TRAFFIC ON NB DETOUR "NBD2"
- NB ON RAMP CLOSED TO TRAFFIC
- SB OFF RAMP CLOSED TO TRAFFIC
- CALLE REAL WB/EB TRAFFIC ON CALLE REAL DETOUR "CRD2"



SECTION 2C1-2C1
NO SCALE

TRAFFIC HANDLING PLAN
(STAGE 2/PHASE 3)

SCALE: 1" = 50'

TH-29

APPROVED FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® **TRAFFIC DESIGN**
FUNCTIONAL SUPERVISOR: MOHAMMED OATAMI
CALCULATED-DESIGNED BY: DAVID BLACK
CHECKED BY: FAWZI YAGHMOUR
REVISED BY
DATE REVISED

LAST REVISION 01-15-13
DATE PLOTTED => 03-MAY-2013
TIME PLOTTED => 13:32

BORDER LAST REVISED 7/2/2010
USERNAME => s124496
DGN FILE => 0500000055md029.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1512
PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	210	343

12/04/12
REGISTERED CIVIL ENGINEER DATE

4-29-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
FAWZI YAGHMOUR
No. C-54750
Exp. 12/31/13
CIVIL
STATE OF CALIFORNIA

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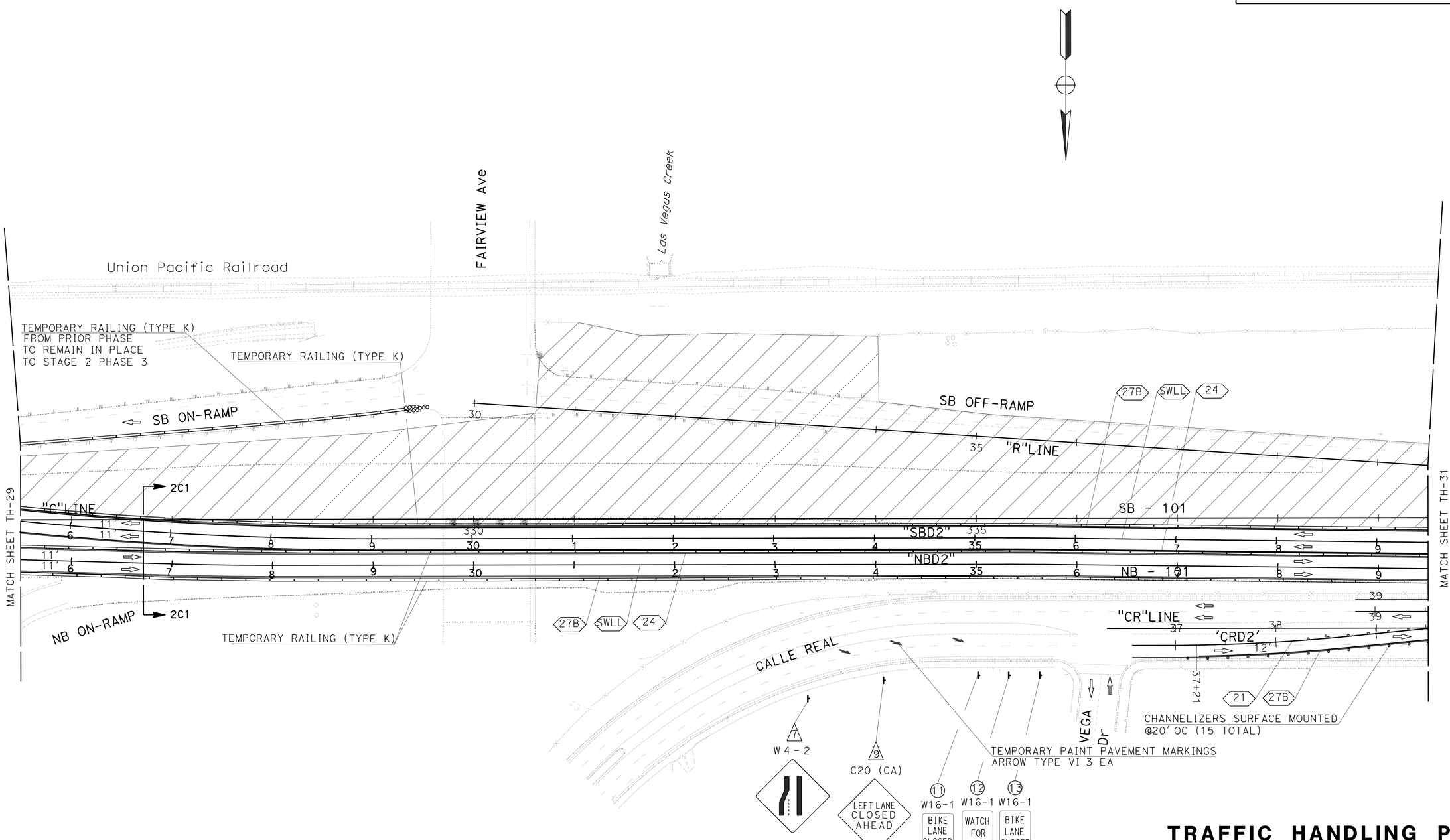

TRAFFIC HANDLING PLAN
(STAGE 2/PHASE 3)

SCALE: 1" = 50'

TH-30

APPROVED FOR TRAFFIC HANDLING WORK ONLY

CALCULATED-DESIGNED BY
CHECKED BY
DAVID BLACK
FAWZI YAGHMOUR
REVISED BY
DATE REVISED
FUNCTIONAL SUPERVISOR
MOHAMMED QATAMI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
TRAFFIC DESIGN

LAST REVISION DATE PLOTTED => 03-MAY-2013
01-15-13 TIME PLOTTED => 13:32

BORDER LAST REVISED 7/2/2010
USERNAME => s124496
DGN FILE => 0500000055md030.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1512
PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	211	343

REGISTERED CIVIL ENGINEER — DATE 12/04/12

4-29-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — FAWZI YAGHMOUR — No. C-54750 — Exp. 12/31/13 — CIVIL — STATE OF CALIFORNIA

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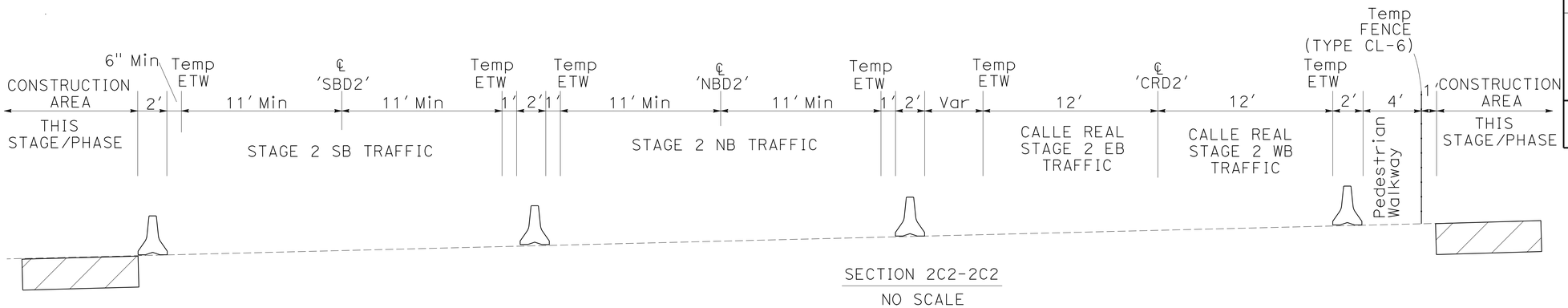

SECTION 2C2-2C2
NO SCALE

CALLE REAL
STAGE 2 EB
TRAFFIC

Union Pacific Railroad

TEMPORARY RAILING (TYPE K)

STOP R1-1 (17)

San Pedro Creek

2C2

ONLY ONLY R61-19(CA) (14)

STOP R1-1 (17)

W4-1 (15)

RIGHT LANE ENDS W9-1 (16)

27B SWLL 24

SB OFF-RAMP

TEMPORARY RAILING (TYPE K)
Beg Sta 49+00 LOL "SBD2"

MATCH SHEET TH-30

SB - 101

"C" LINE

'SBD2'

NB - 101

'NBD2'

'CRD2'

CALLE REAL

"CR"LINE

MATCH SHEET TH-32

TEMPORARY RAILING (TYPE K)

LIMIT LINE (23')

38

CHANNELIZERS SURFACE MOUNTED @20' OC (137 TOTAL)

TEMPORARY RAILING (TYPE K)
END Sta 45+40 LOL "CRD2"

27B 27B 21

8

13 W16-1 BIKE LANE CLOSED

12 W16-1 WATCH FOR BICYCLIST

11 W16-1 BIKE LANE CLOSED AHEAD

TEMPORARY RAILING (TYPE K)
Beg Sta 43+20 LOL "CRD2"

CARLO Dr

Pedestrian Walkway

VALDEZ Ave

TEMPORARY CCA 'U11'

LIMIT LINE (23')

REMOVE Exist LIMIT LINE

TYPE III TEMPORARY BARRICADES
8 EA

TRAFFIC HANDLING PLAN

(STAGE 2/PHASE 3)

SCALE: 1" = 50'

TH-31

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REVISED BY | DATE REVISED

DAVID BLACK | FAWZI YAGHMOUR

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® TRAFFIC DESIGN

LAST REVISION 02-01-13 | DATE PLOTTED => 03-MAY-2013 | TIME PLOTTED => 13:33

BORDER LAST REVISED 7/2/2010

USERNAME => s124496
DGN FILE => 0500000055md031.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1512

PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	212	343

12/04/12
REGISTERED CIVIL ENGINEER DATE

FAWZI YAGHMOUR No. C-54750 Exp. 12/31/13 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

4-29-13
PLANS APPROVAL DATE

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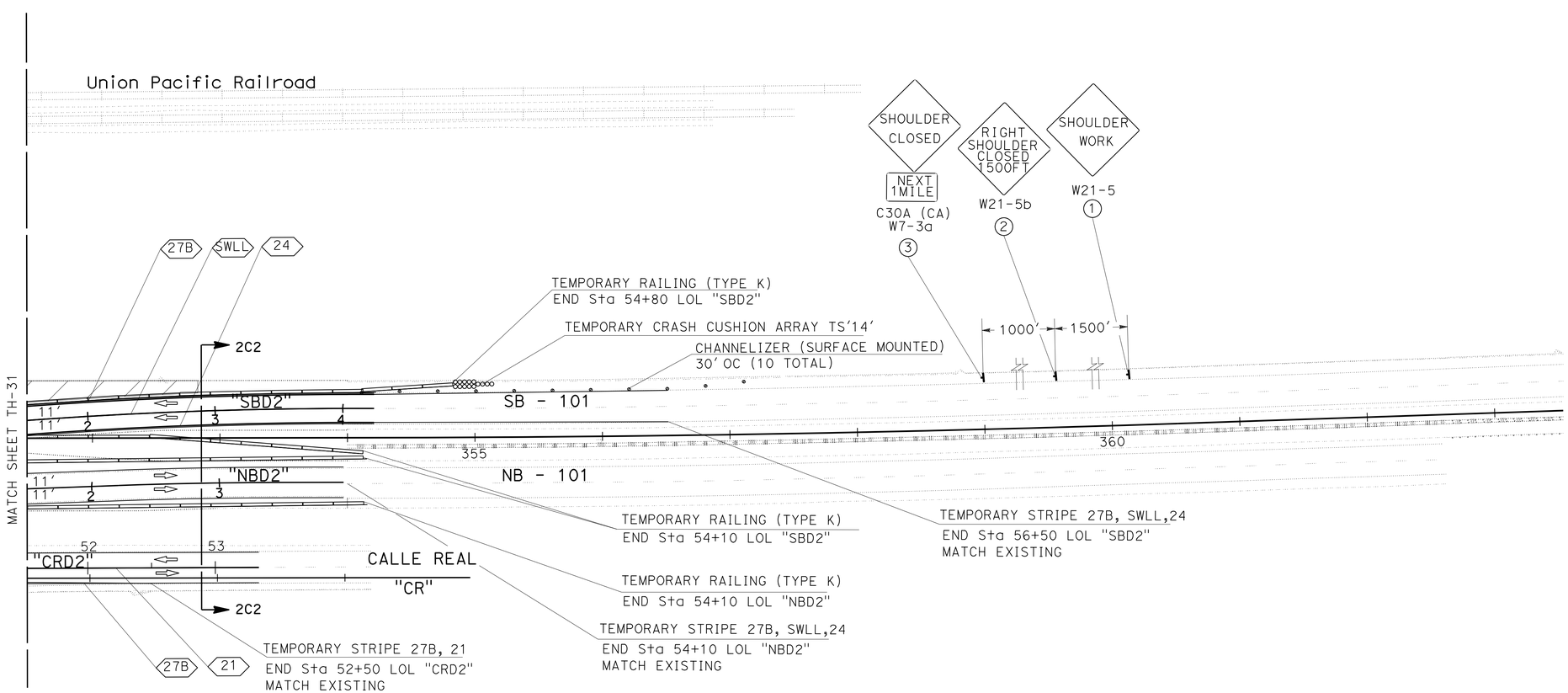

TRAFFIC HANDLING PLAN

(STAGE 2/PHASE 3)

SCALE: 1" = 50'

TH-32

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CALCULATED-DESIGNED BY
CHECKED BY
DAVID BLACK
FAWZI YAGHMOUR
REVISED BY
DATE REVISED
FUNCTIONAL SUPERVISOR
MOHAMMED QATAMI
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

LAST REVISION DATE PLOTTED => 03-MAY-2013
01-15-13 TIME PLOTTED => 13:33

BORDER LAST REVISED 7/2/2010
USERNAME => s124496
DGN FILE => 0500000055md032.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1512
PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	213	343

12/04/12
REGISTERED CIVIL ENGINEER DATE

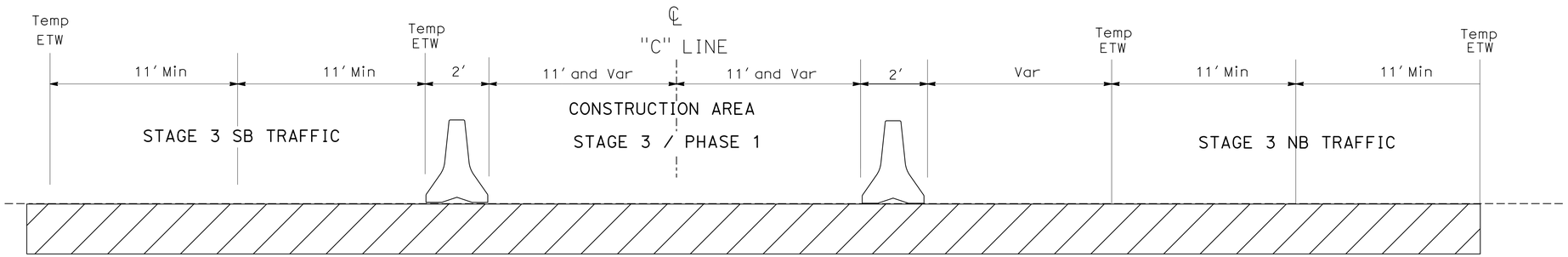
4-29-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
FAWZI YAGHMOUR
No. C-54750
Exp. 12/31/13
CIVIL
STATE OF CALIFORNIA

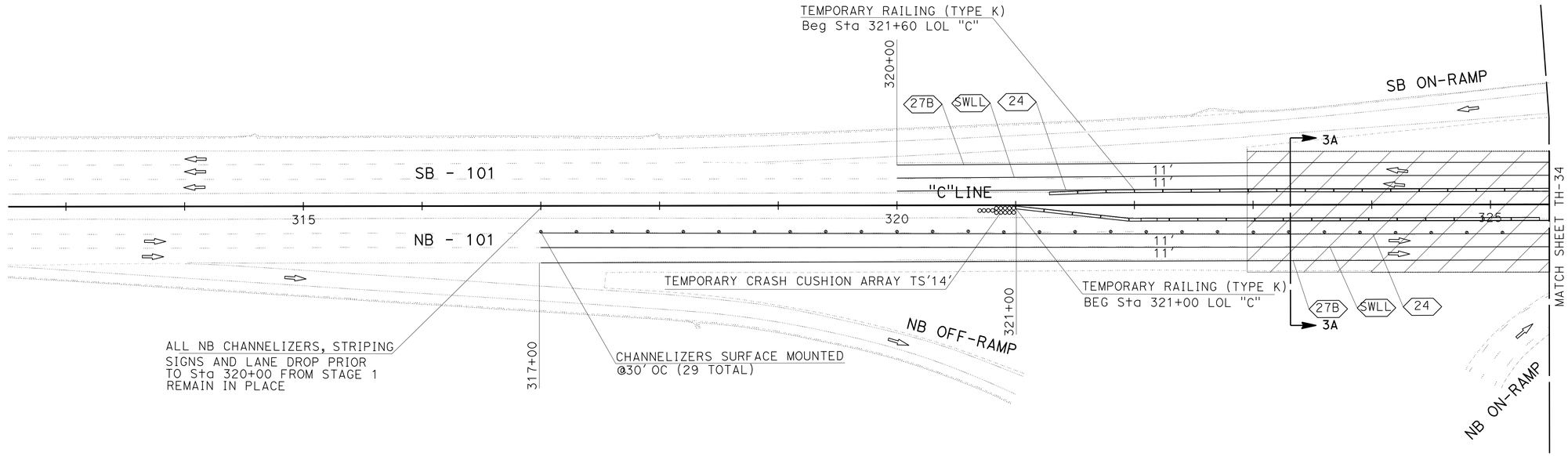
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

TRAFFIC NOTES FOR STAGE 3 PHASE 1

— SB TRAFFIC ON SB LANES
— NB TRAFFIC ON NB LANES
— CALLE REAL TRAFFIC ON CALLE REAL LANES
— NB ON-RAMP OPEN TO TRAFFIC
— SB OFF-RAMP OPEN TO TRAFFIC



SECTION 3A-3A
NO SCALE



TRAFFIC HANDLING PLAN
(STAGE 3/PHASE 1)

SCALE: 1" = 50′

TH-33

APPROVED FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® **TRAFFIC DESIGN**
FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI
CALCULATED-DESIGNED BY: FAWZI YAGHMOUR
CHECKED BY: DAVID BLACK
DATE REVISED
REVISED BY

LAST REVISION 01-15-13 | DATE PLOTTED => 03-MAY-2013 | TIME PLOTTED => 13:33

BORDER LAST REVISED 7/2/2010 | USERNAME => s124496 | DGN FILE => 0500000055md033.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1512 | PROJECT NUMBER & PHASE 05000000551

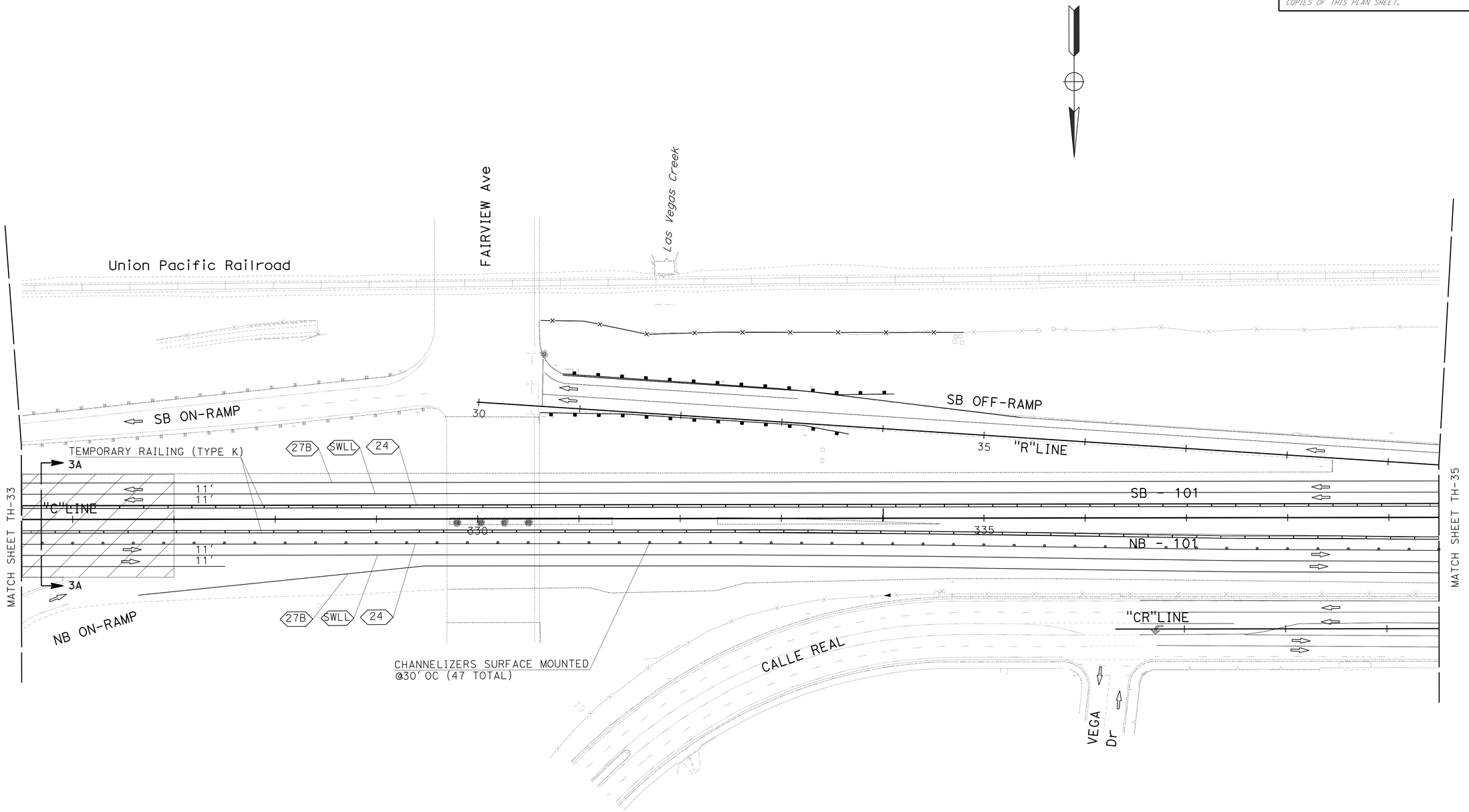
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	214	343

12/04/12
REGISTERED CIVIL ENGINEER DATE

FAWZI YAGHMOUR No. C-54750 Exp. 12/31/13 CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

4-29-13
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.



TRAFFIC HANDLING PLAN

(STAGE 3/PHASE 1)

SCALE: 1" = 50'

TH-34

APPROVED FOR TRAFFIC HANDLING WORK ONLY

CALCULATED-DESIGNED BY
CHECKED BY
DAVID BLACK
FAWZI YAGHMOUR
REVISED BY
DATE REVISED
FUNCTIONAL SUPERVISOR
MOHAMMED QATAMI
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC DESIGN

LAST REVISION 01-15-13
DATE PLOTTED => 03-MAY-2013
TIME PLOTTED => 13:33

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	215	343

12/04/12
REGISTERED CIVIL ENGINEER DATE

4-29-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
FAWZI YAGHMOUR
No. C-54750
Exp. 12/31/13
CIVIL
STATE OF CALIFORNIA

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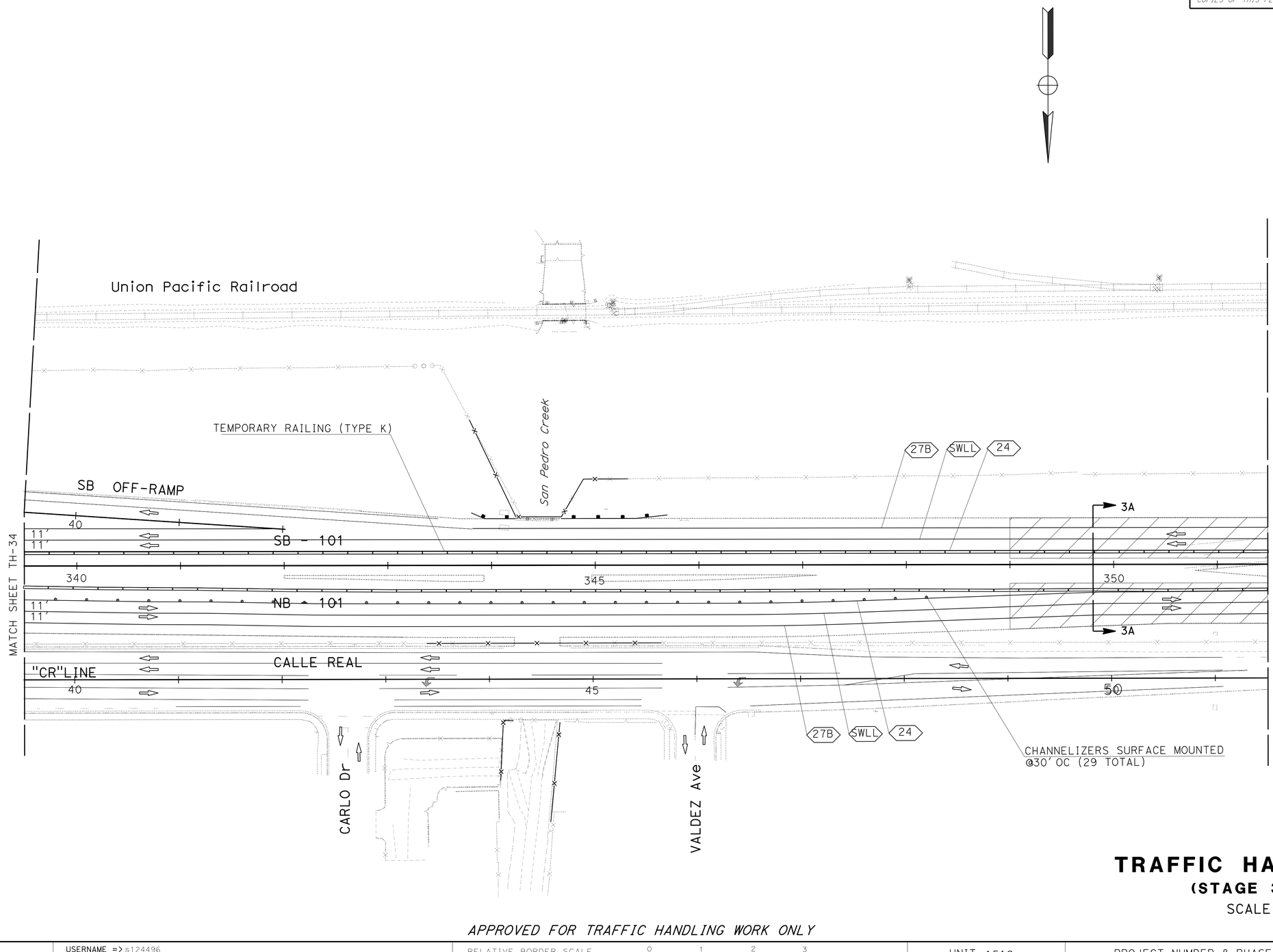


TRAFFIC HANDLING PLAN

(STAGE 3/PHASE 1)

SCALE: 1" = 50'

TH-35

APPROVED FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
TRAFFIC DESIGN
FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI
CALCULATED-DESIGNED BY: DAVID BLACK
CHECKED BY: FAWZI YAGHMOUR
REVISED BY
DATE REVISED

LAST REVISION 01-15-13
DATE PLOTTED => 03-MAY-2013
TIME PLOTTED => 13:33

BORDER LAST REVISED 7/2/2010
USERNAME => s124496
DGN FILE => 0500000055md035.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1512
PROJECT NUMBER & PHASE 05000000551

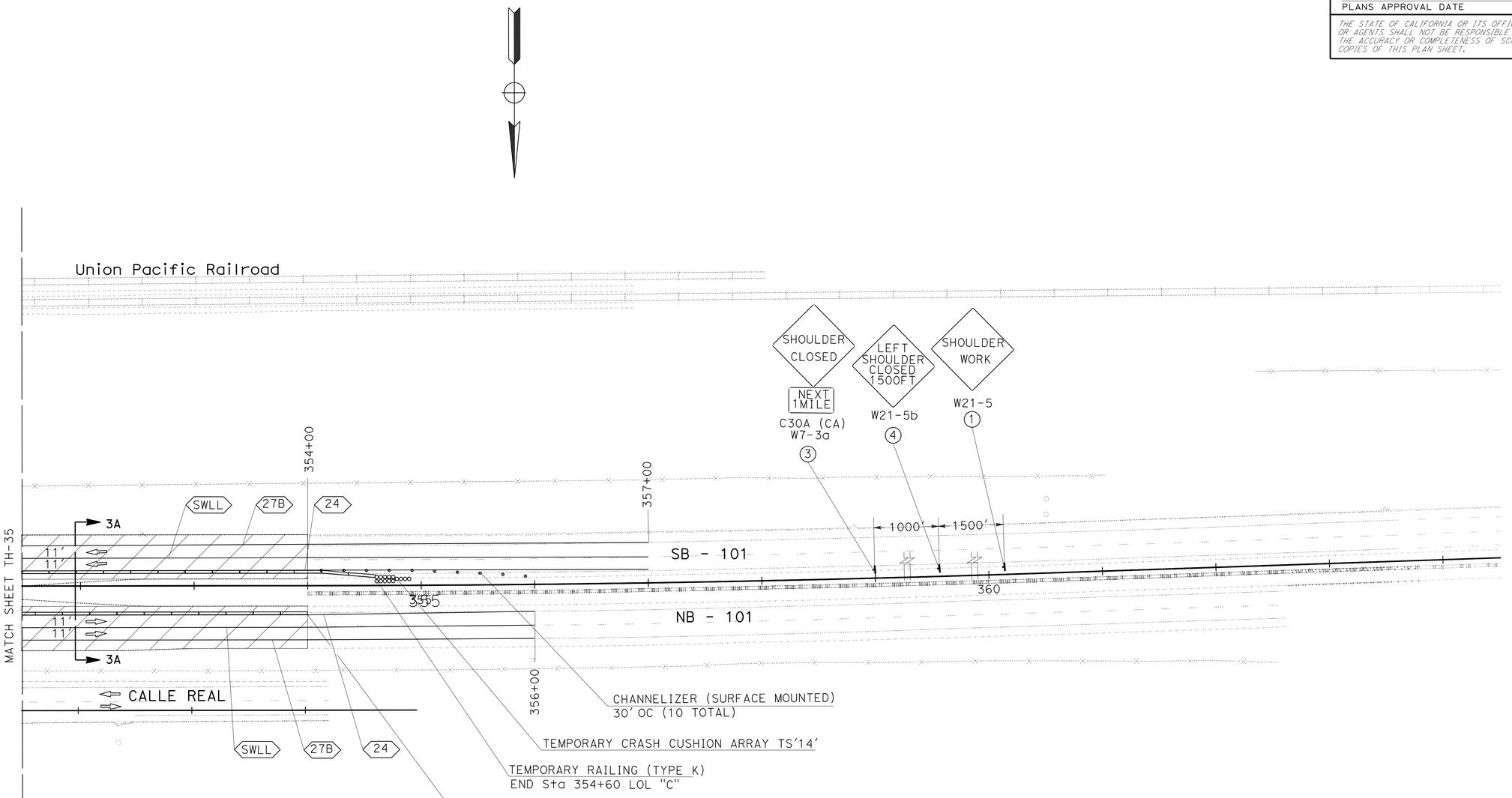
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	216	343

12/04/12
REGISTERED CIVIL ENGINEER DATE

FAWZI YAGHMOUR No. C-54750 Exp. 12/31/13 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

4-29-13
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.



TRAFFIC HANDLING PLAN

(STAGE 3/PHASE 1)

SCALE: 1" = 50'

TH-36

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

FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI

CALCULATED-DESIGNED BY: DAVID BLACK
CHECKED BY: FAWZI YAGHMOUR

REVISED BY | DATE REVISED

LAST REVISION | DATE PLOTTED => 03-MAY-2013
01-15-13 | TIME PLOTTED => 13:33

BORDER LAST REVISED 7/2/2010

USERNAME => s124496
DGN FILE => 0500000055md036.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1512

PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	217	343

12/04/12
REGISTERED CIVIL ENGINEER — DATE

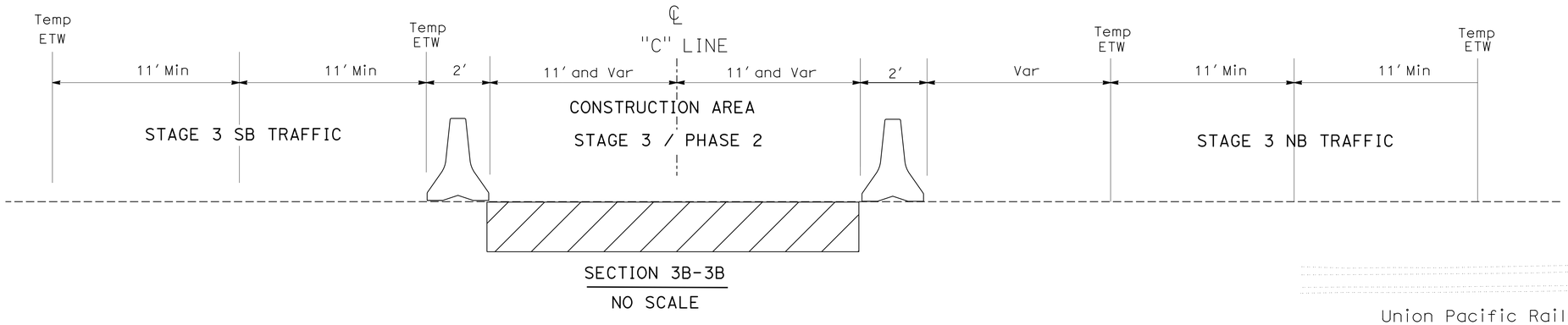
FAWZI YAGHMOUR No. C-54750 Exp. 12/31/13 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

4-29-13
PLANS APPROVAL DATE

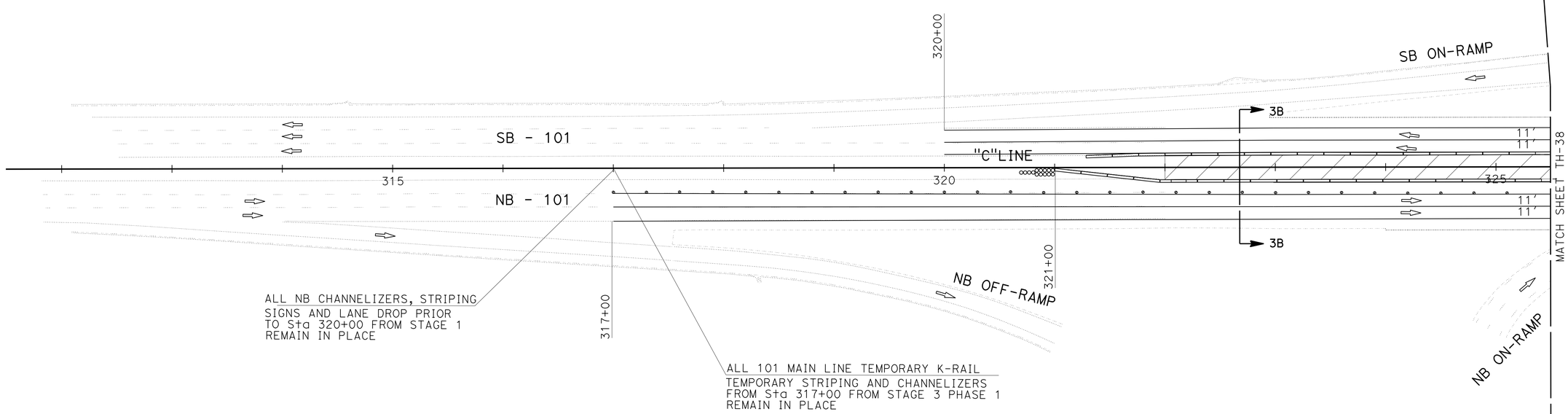
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

TRAFFIC NOTES FOR STAGE 3 PHASE 2

— SB TRAFFIC ON SB LANES
— NB TRAFFIC ON LANES
— CALLE REAL TRAFFIC ON CALLE REAL LANES
— NB ON-RAMP OPEN TO TRAFFIC
— SB OFF-RAMP OPEN TO TRAFFIC



SECTION 3B-3B
NO SCALE



TRAFFIC HANDLING PLAN
(STAGE 3/PHASE 2)

SCALE: 1" = 50'

TH-37

APPROVED FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® **TRAFFIC DESIGN**
FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI
CALCULATED-DESIGNED BY: DAVID BLACK
CHECKED BY: FAWZI YAGHMOUR
REVISED BY | DATE REVISED

LAST REVISION 01-15-13 | DATE PLOTTED => 03-MAY-2013 | TIME PLOTTED => 13:33

BORDER LAST REVISED 7/2/2010 | USERNAME => s124496 | DGN FILE => 0500000055md037.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1512 | PROJECT NUMBER & PHASE 05000000551

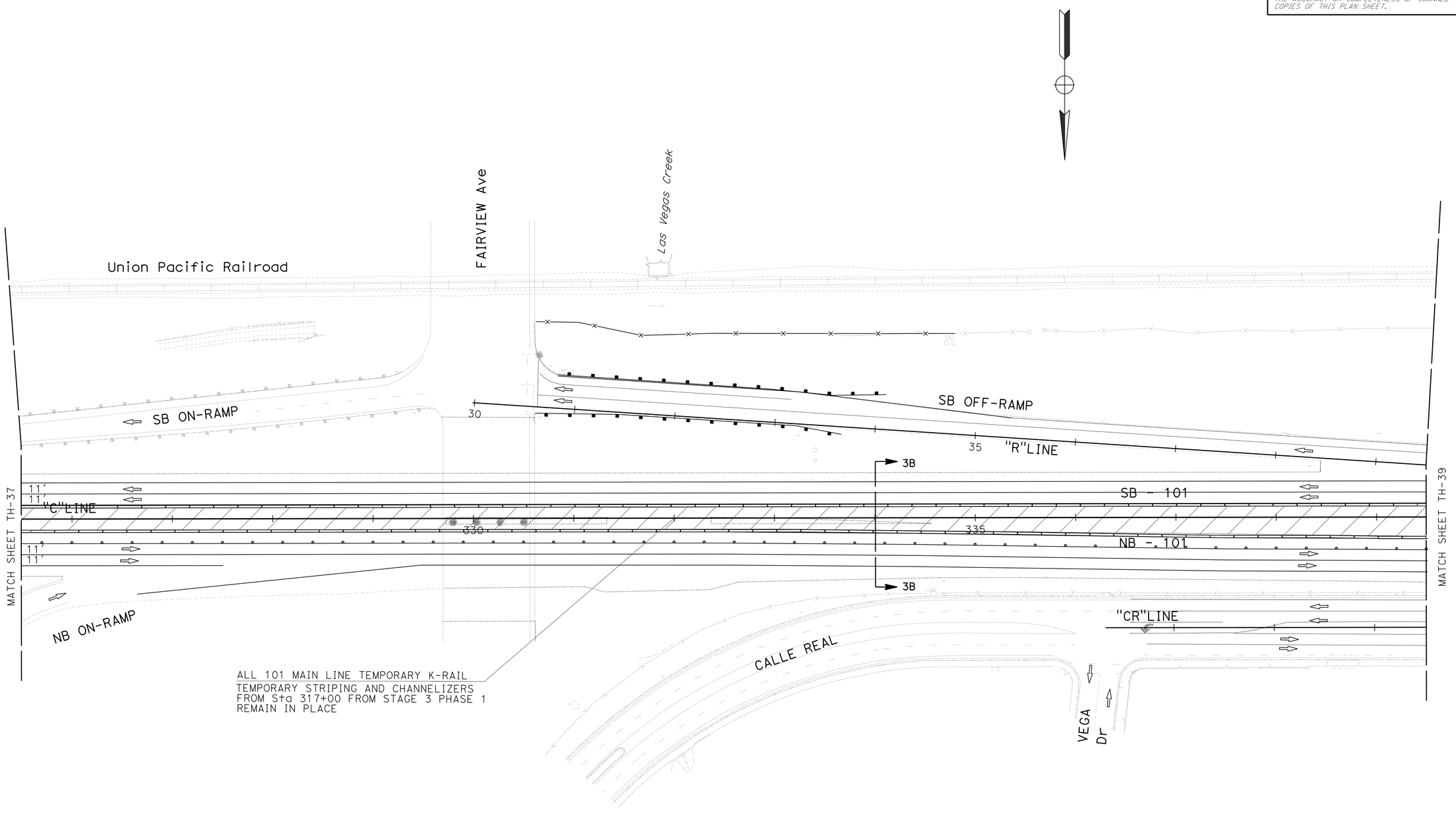
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	218	343

12/04/12
REGISTERED CIVIL ENGINEER DATE

4-29-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
FAWZI YAGHMOUR
No. C-54750
Exp. 12/31/13
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.



TRAFFIC HANDLING PLAN

(STAGE 3/PHASE 2)

SCALE: 1" = 50'

TH-38

APPROVED FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI

CALCULATED-DESIGNED BY: DAVID BLACK
CHECKED BY: FAWZI YAGHMOUR

REVISED BY
DATE REVISED

LAST REVISION 01-15-13
DATE PLOTTED => 03-MAY-2013
TIME PLOTTED => 13:33

BORDER LAST REVISED 7/2/2010
USERNAME => s124496
DGN FILE => 0500000055md038.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1512
PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	219	343

12/04/12
REGISTERED CIVIL ENGINEER DATE

4-29-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
FAWZI YAGHMOUR
No. C-54750
Exp. 12/31/13
CIVIL
STATE OF CALIFORNIA

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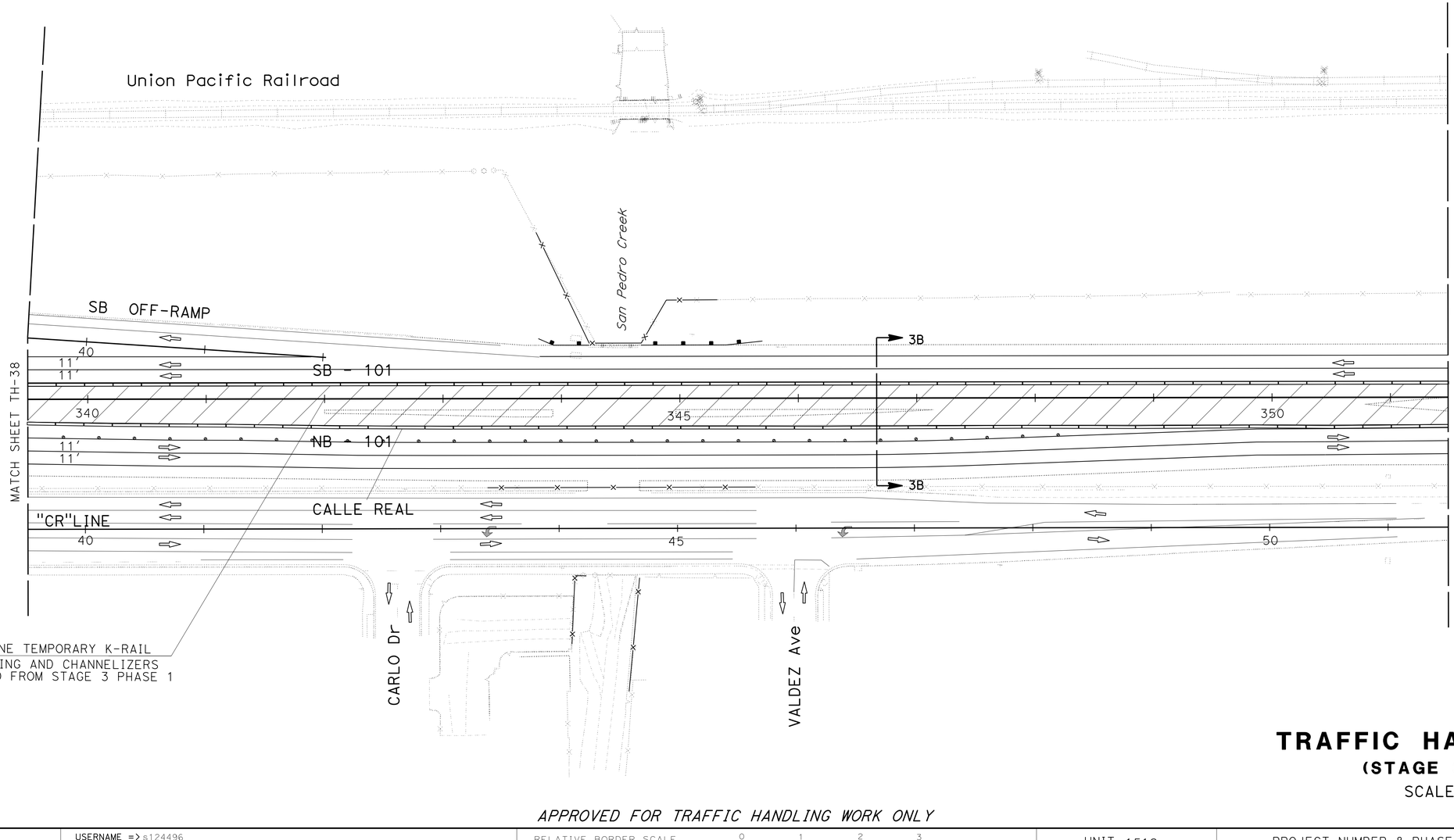

ALL 101 MAIN LINE TEMPORARY K-RAIL
TEMPORARY STRIPING AND CHANNELIZERS FROM Sta 317+00 FROM STAGE 3 PHASE 1 REMAIN IN PLACE

TRAFFIC HANDLING PLAN

(STAGE 3/PHASE 2)

SCALE: 1" = 50'

TH-39

APPROVED FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

CALCULATED-DESIGNED BY	CHECKED BY	FUNCTIONAL SUPERVISOR	REVISED BY	DATE REVISED
DAVID BLACK	FAWZI YAGHMOUR	MOHAMMED QATAMI		

LAST REVISION 01-15-13
DATE PLOTTED => 03-MAY-2013
TIME PLOTTED => 13:33

BORDER LAST REVISED 7/2/2010
USERNAME => s124496
DGN FILE => 0500000055md039.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1512
PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	220	343

12/04/12
REGISTERED CIVIL ENGINEER DATE

FAWZI YAGHMOUR No. C-54750 Exp. 12/31/13 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

4-29-13
PLANS APPROVAL DATE

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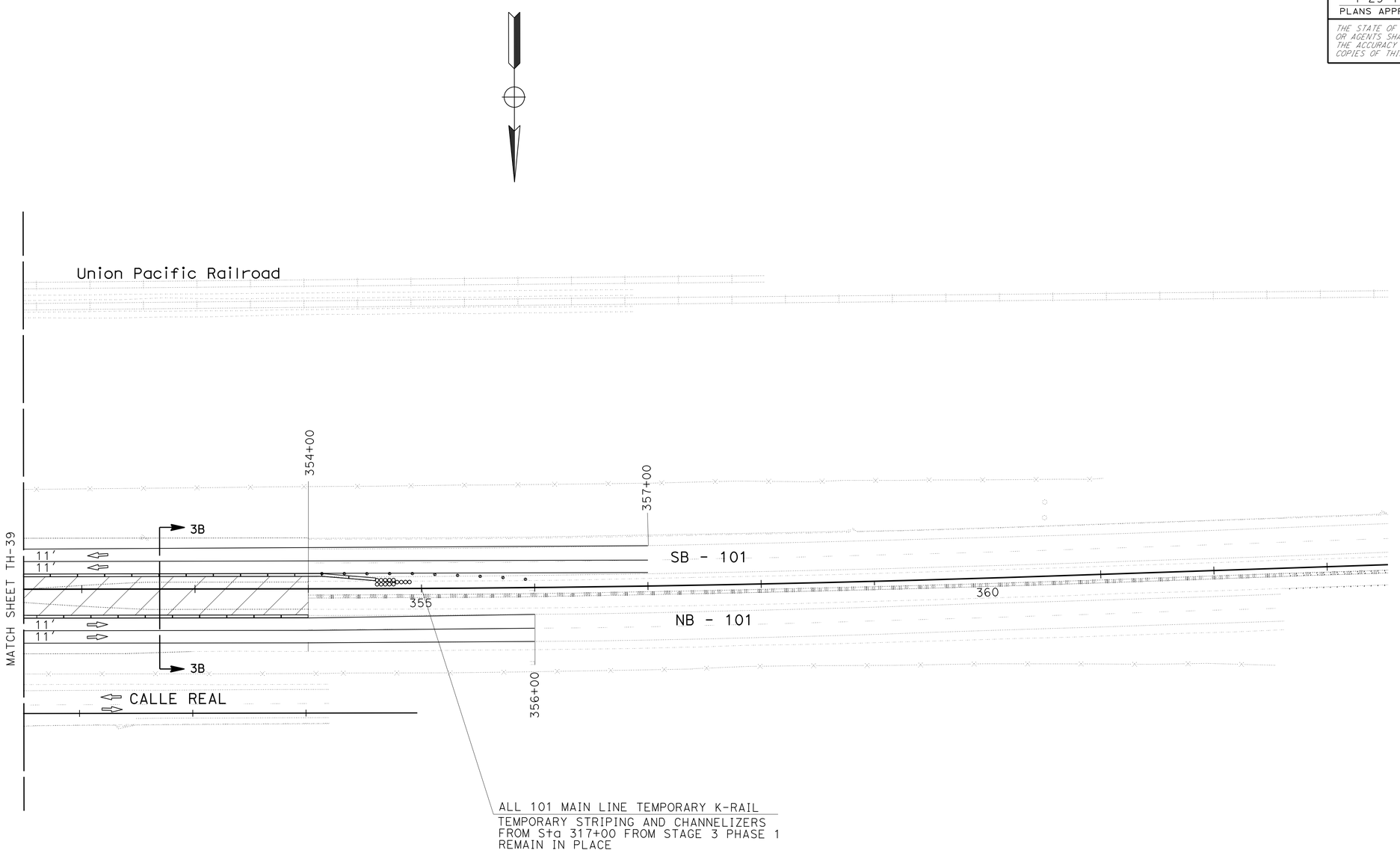

TRAFFIC HANDLING PLAN

(STAGE 3/PHASE 2)

SCALE: 1" = 50'

TH-40

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI
CALCULATED-DESIGNED BY: DAVID BLACK
CHECKED BY: FAWZI YAGHMOUR
REVISED BY
DATE REVISED

LAST REVISION 01-15-13
DATE PLOTTED => 03-MAY-2013
TIME PLOTTED => 13:33

BORDER LAST REVISED 7/2/2010
USERNAME => s124496
DGN FILE => 0500000055md040.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1512
PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	221	343

12/04/12
REGISTERED CIVIL ENGINEER DATE

FAWZI YAGHMOUR No. C-54750 Exp. 12/31/13 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

4-29-13
PLANS APPROVAL DATE

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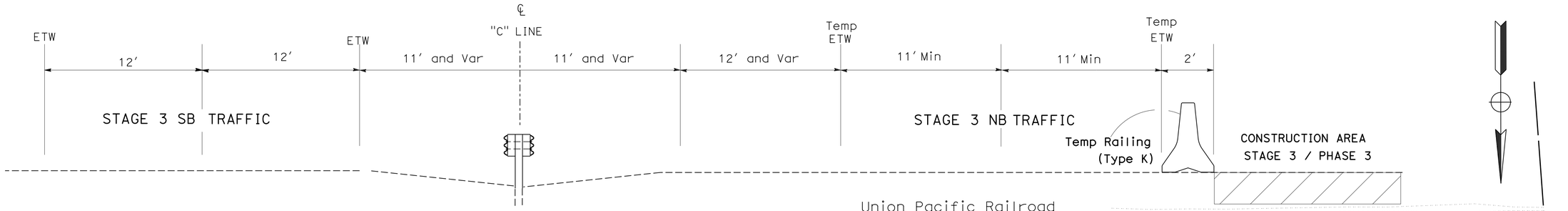
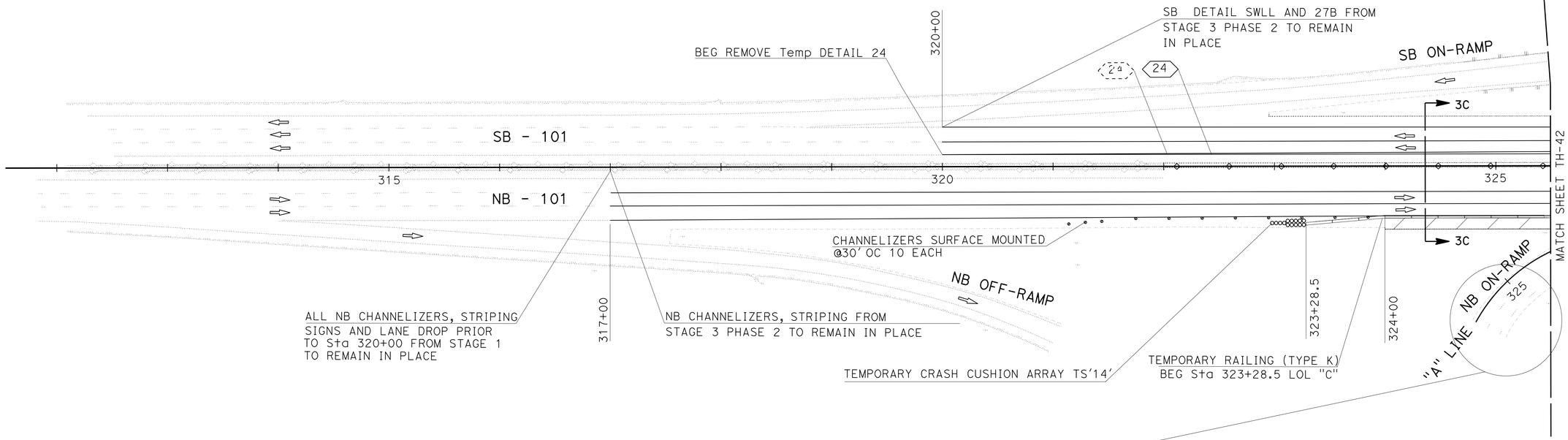
TRAFFIC NOTES FOR STAGE 3 PHASE 3

— SB TRAFFIC ON SB LANES
— NB TRAFFIC ON NB LANES
— WB CALLE REAL TRAFFIC ON CALLE REAL LANES
— EB CALLE REAL REDUCED TO ONE LANE OF TRAFFIC
— NB ON-RAMP CLOSED TO TRAFFIC



SECTION 3C - 3C
NO SCALE



TRAFFIC HANDLING PLAN

(STAGE 3/PHASE 3)

SCALE: 1" = 50′

TH-41

APPROVED FOR TRAFFIC HANDLING WORK ONLY

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

FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI
CALCULATED-DESIGNED BY: DAVID BLACK
CHECKED BY: FAWZI YAGHMOUR
REVISED BY
DATE REVISED

LAST REVISION: DATE PLOTTED => 03-MAY-2013 TIME PLOTTED => 14:07
01-15-13

BORDER LAST REVISED 7/2/2010
USERNAME => s114937
DGN FILE => 0500000055md041.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1512
PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	222	343

12/04/12
REGISTERED CIVIL ENGINEER DATE

FAWZI YAGHMOUR No. C-54750 Exp. 12/31/13 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

4-29-13
PLANS APPROVAL DATE

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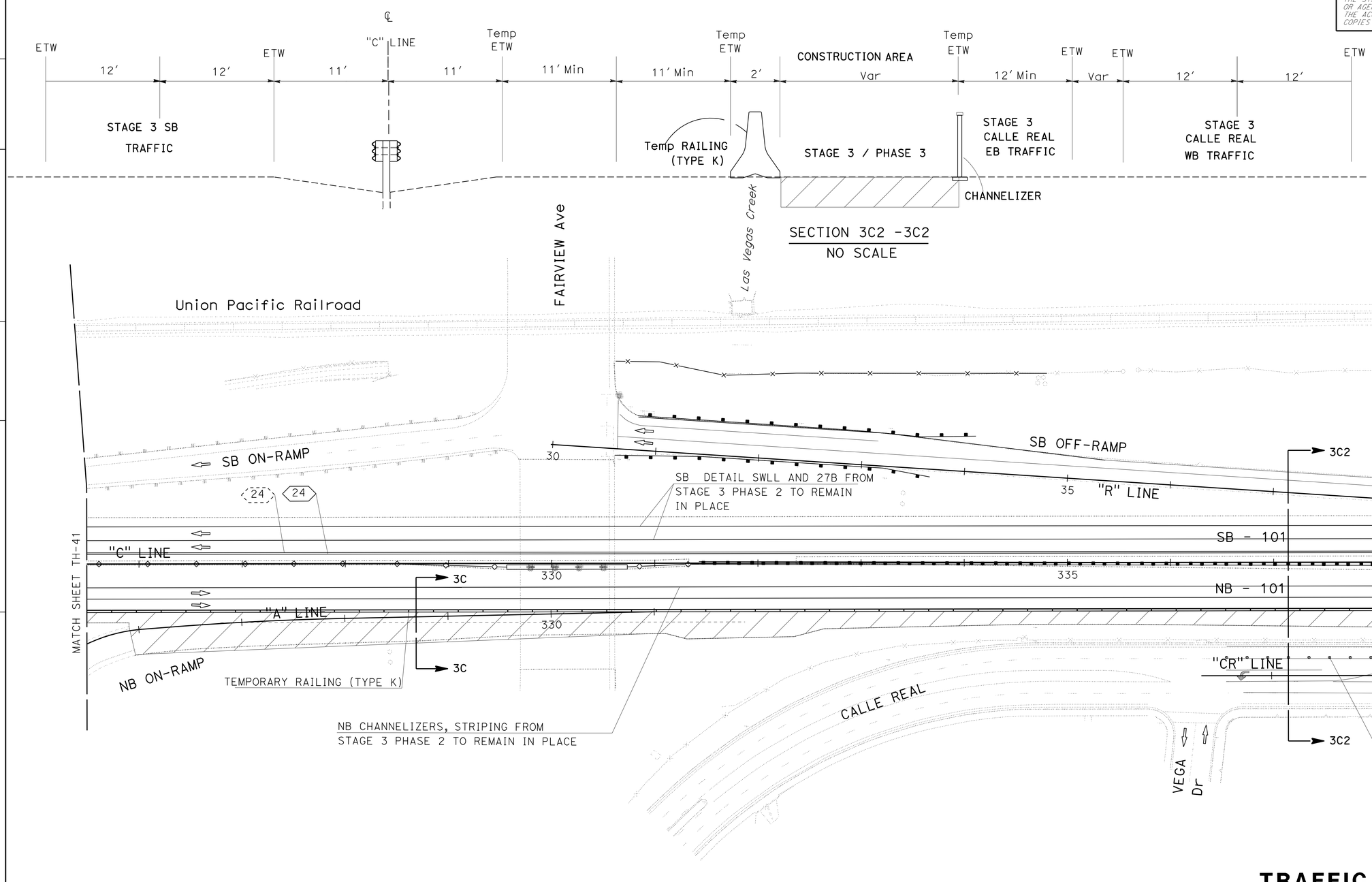

TRAFFIC HANDLING PLAN

(STAGE 3/PHASE 3)

SCALE: 1" = 50′

TH-42

APPROVED FOR TRAFFIC HANDLING WORK ONLY

REVISED BY | DATE REVISED

DAVID BLACK | FAWZI YAGHMOUR

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® TRAFFIC DESIGN

LAST REVISION | DATE PLOTTED => 03-MAY-2013
01-15-13 | TIME PLOTTED => 14:07

BORDER LAST REVISED 7/2/2010 | USERNAME => s114937 | DGN FILE => 0500000055md042.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1512 | PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	223	343

12/04/12
REGISTERED CIVIL ENGINEER DATE

FAWZI YAGHMOUR No. C-54750 Exp. 12/31/11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

4-29-13
PLANS APPROVAL DATE

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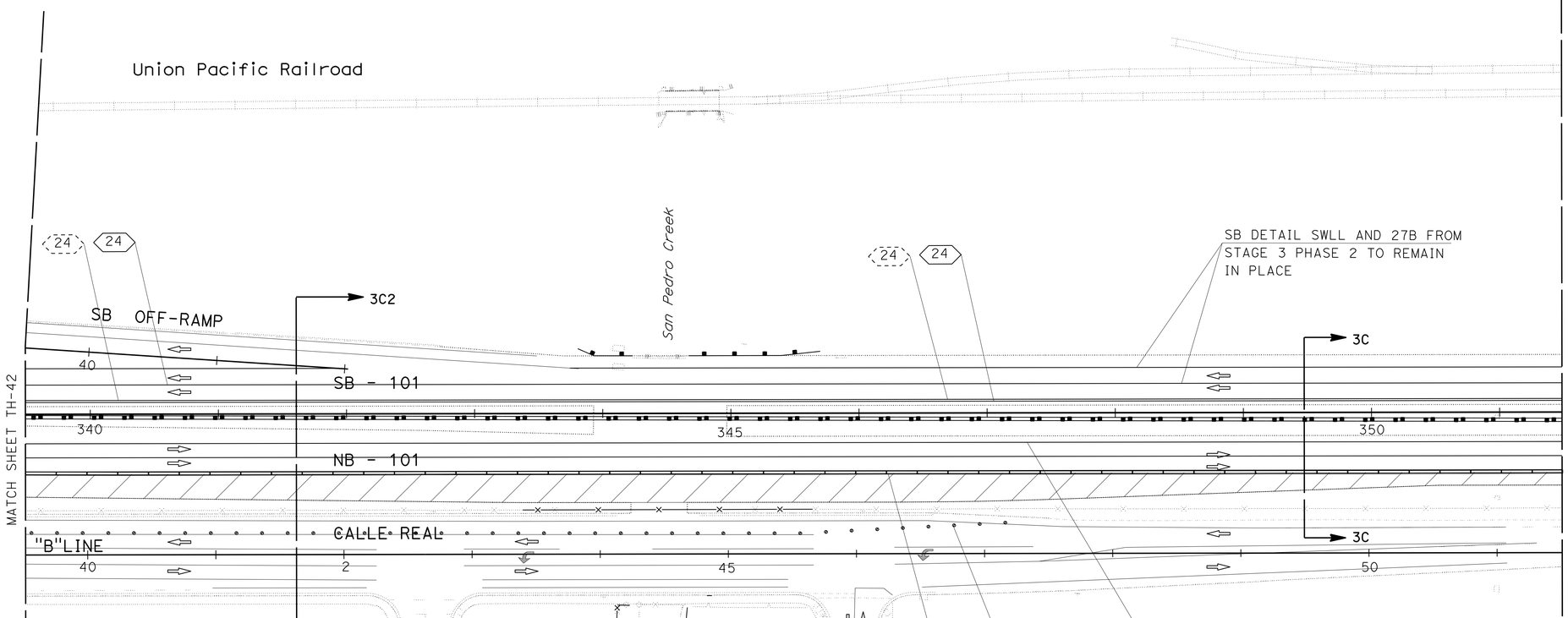


TRAFFIC HANDLING PLAN

(STAGE 3/PHASE 3)

SCALE: 1" = 50'

TH-43

APPROVED FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
TRAFFIC DESIGN
FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI
CALCULATED-DESIGNED BY: DAVID BLACK
CHECKED BY: FAWZI YAGHMOUR
REVISED BY
DATE REVISED

LAST REVISION 01-15-13
DATE PLOTTED => 03-MAY-2013
TIME PLOTTED => 14:07

BORDER LAST REVISED 7/2/2010
USERNAME => s114937
DGN FILE => 0500000055md043.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1512
PROJECT NUMBER & PHASE 05000000551

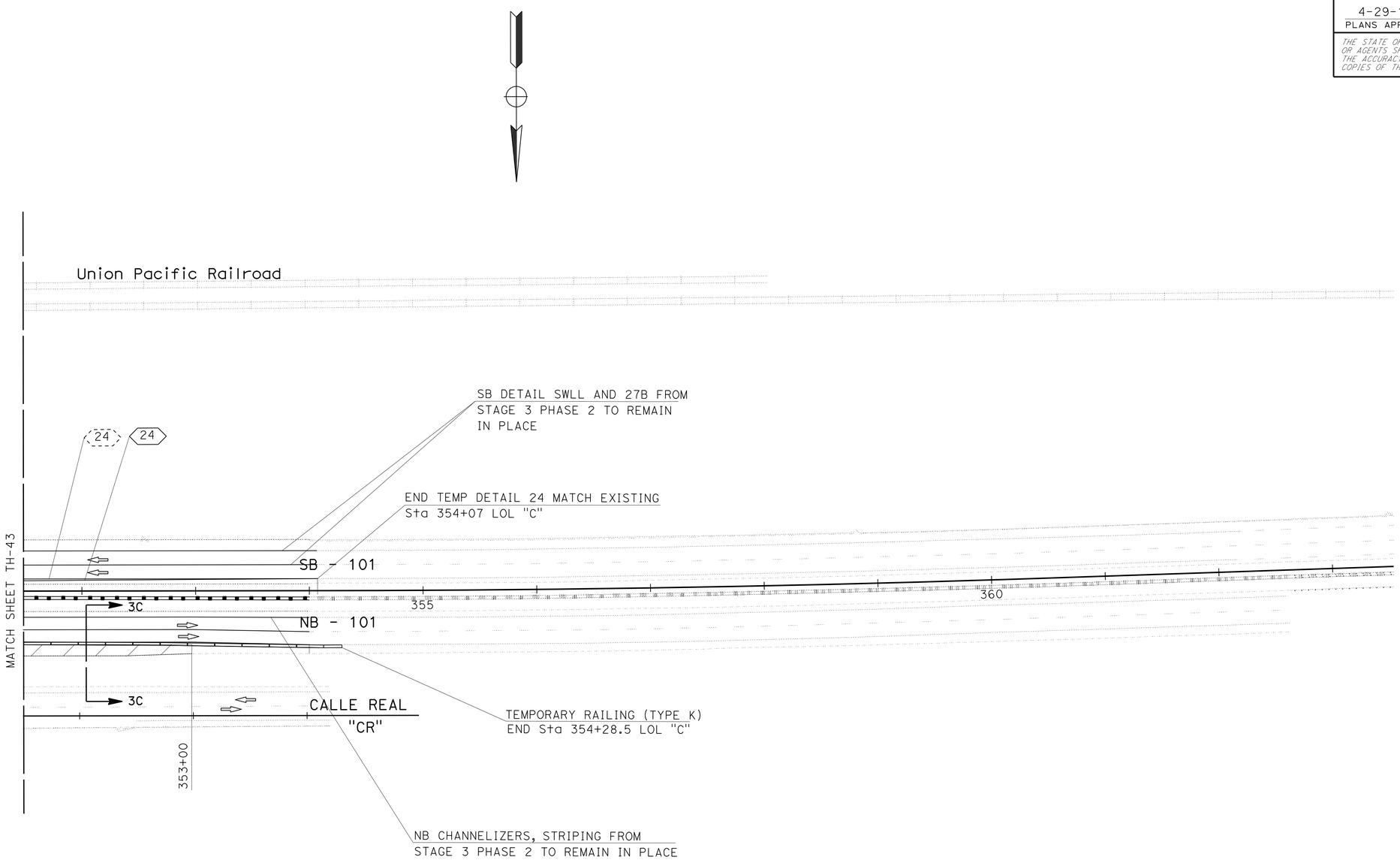
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	224	343

12/04/12
REGISTERED CIVIL ENGINEER DATE

4-29-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
FAWZI YAGHMOUR
No. C-54750
Exp. 12/31/13
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.



TRAFFIC HANDLING PLAN

(STAGE 3/PHASE 3)

SCALE: 1" = 50'

TH-44

APPROVED FOR TRAFFIC HANDLING WORK ONLY

CALCULATED-DESIGNED BY
CHECKED BY
DAVID BLACK
FAWZI YAGHMOUR
REVISED BY
DATE REVISED
FUNCTIONAL SUPERVISOR
MOHAMMED QATAMI
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

LAST REVISION DATE PLOTTED => 03-MAY-2013
01-15-13 TIME PLOTTED => 14:07

BORDER LAST REVISED 7/2/2010
USERNAME => s114937
DGN FILE => 0500000055md044.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1512
PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	225	343

12/04/12
REGISTERED CIVIL ENGINEER DATE

FAWZI YAGHMOUR No. C-54750 Exp. 12/31/13 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

4-29-13
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.

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN No. ⊗	SIGN CODE		PANEL SIZE	SIGN MESSAGE	NUMBER OF POSTS AND SIZE	No. OF SIGNS
	FEDERAL	CALIFORNIA				
①	W20-5		48"x48"	SHOULDER WORK	1-4"x6"	8
②	W21-5b		48"x48"	RIGHT SHOULDER CLOSED 1500FT	1-4"x6"	3
③		C30A (CA)	48"x48"	SHOULDER CLOSED	1-6"x6"	8
	W7-3a		32"x18"	NEXT 1/2 MILE		
④	W21-5b		48"x48"	LEFT SHOULDER CLOSED 1500FT	1-4"x6"	3
⑤	W21-5b		48"x48"	NO SHOULDERS 1500FT	1-4"x6"	1
⑥	W9-1		48"x48"	LEFT LANE ENDS	1-4"x6"	1
⑦	W4-2		48"x48"	LANE REDUCTION AHEAD LEFT	1-4"x6"	3
⑧	E5-2a		48"x36"	RAMP CLOSED	BARRICADE MOUNTED	6
		TYPE N-3(CA)	24"x24"			9
⑨		C20 (CA)	48"x48"	LEFT LANE CLOSED AHEAD	1-4"x6"	2
⑩	W21-5b		48"x48"	RIGHT SHOULDER CLOSED 700FT	1-4"x6"	1
⑪	W16-1		24"x30"	BIKE LANE CLOSED AHEAD	1-4"x4"	4
⑫	W16-1		24"x30"	WATCH FOR BICYCLIST	1-4"x4"	4
⑬	W16-1		24"x30"	BIKE LANE CLOSED	1-4"x4"	4
⑭		R61-19 (CA)	24"x30"	LEFT-RIGTH ONLY TURN SIGN	1-4"x4"	1
⑮	W4-1		36"x36"	LANE MERGE	1-4"x4"	1
⑯	W9-1		36"x36"	RIGHT LANE ENDS	1-4"x4"	1
⑰	R1-1		36"x36"	STOP	BARRICADE MOUNTED	2

TEMPORARY RAILING (TYPE K)

LOCATION	SHEET	ROUTE	DIRECTION	STAGE	PHASE	TEMPORARY RAILING (TYPE K)
						LF
LOL "C" STA 322+80 to 329+40	TH-1, TH-2	ONRAMP	SB	1	1	660
LOL "C" STA 322+48 to 339+08	TH-1, TH-2	101	SB	1	1	1660
LOL "C" STA 343+00 TO 354+80	TH-3, TH-4	101	SB	1	1	1180
LOL "C" STA 322+00 TO 354+60	TH-5 TO TH-8	101	SB	1	2	3260
LOL "C" STA 321+32 TO 354+12	TH-5 TO TH-8	101	NB	1	2	3280
LOL "C" STA 329+70 TO 331+90	TH-10	101	SB	1	3	220
LOL "NBD1" STA 19+30 TO 54+30	TH-13 TO TH-16	101	NB	1	4	3500
LOL "NBD1" STA 19+60 TO 54+20	TH-13 TO TH-16	101	NB	1	4	3460
LOL "CRD1" STA 41+54 TO 47+34	TH-15	LOCAL	LOCAL	1	4	580
LOL "SBD1" STA 43+67.5 TO 50+67.5	TH-15	101	SB	1	4	700
LOL "C" STA 320+00 TO 354+80	TH-17 TO TH-20	101	SB	1	5	3480
LOL "C" STA 319+30 TO 354+10	TH-17 TO TH-20	101	NB	1	5	3480
LOL "CRD1" STA 43+37 TO 45+77	TH-15	LOCAL	LOCAL	1	5	240
LOL "SBD2" STA 22+00 TO 24+20	TH-29	101	SB	2	3	220
LOL "SBD2" STA 20+00 TO 54+80	TH-29 TO TH-32	101	SB	2	3	3480
LOL "NBD2" STA 19+30 TO 54+10	TH-29 TO TH-32	101	NB	2	3	3480
LOL "NBD2" STA 19+30 TO 54+10	TH-29 TO TH-32	101	NB	2	3	3480
LOL "CRD2" STA 43+20 TO 45+40	TH-31	LOCAL	LOCAL	2	3	220
LOL "SBD2" STA 49+00 TO 54+20	TH-31, TH-32	101	SB	2	3	520
LOL "C" STA 321+60 TO 354+60	TH-33 TO TH-36	101	SB	3	1	3300
LOL "C" STA 321+00 TO 354+00	TH-33 TO TH-36	101	NB	3	1	3300
LOL "C" STA 323+28.5 TO 354+28.5	TH-41 TO TH-44	101	NB	3	3	3100
TOTAL						46800

EXACT LOCATION OF TEMPORARY RAILING (TYPE K) TO BE DETERMINED BY THE ENGINEER

TEMPORARY PAVEMENT MARKING (PAINT)

LOCATION	PAINT PAVEMENT MARKING		
	PLACE		
	LIMIT LINE	TYPE VI ARROW	TYPE IV ARROW
	SQFT		
TH-5		126	
TH-14		126	
TH-30		126	
TH-31	46	126	30
TOTAL	580		

TRAFFIC HANDLING QUANTITIES
THQ-1

CALCULATED-DESIGNED BY
CHECKED BY
DAVID BLACK
FAWZI YAGHMOUR
REVISED BY
DATE REVISED
FUNCTIONAL SUPERVISOR
MOHAMMED QATAMI
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

LAST REVISION | DATE PLOTTED => 03-MAY-2013
01-28-13 | TIME PLOTTED => 14:07

BORDER LAST REVISED 7/2/2010
USERNAME => s114937
DGN FILE => 0500000055mf001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1512
PROJECT NUMBER & PHASE 05000000551

TEMPORARY PAVEMENT DELINEATION

STAGE	PHASE	SHEET	LOL	ROUTE	DIRECTION	DETAIL	TEMPORARY TRAFFIC STRIPE (PAINT) 4" WHITE	TEMPORARY TRAFFIC STRIPE (PAINT) 4" YELLOW	REMOVE TEMPORARY TRAFFIC STRIPE (PAINT)	REMOVE THERMOPLASTIC TRAFFIC STRIPE	REMOVE PAVEMENT MARKERS	CHANNELIZER (SURFACE MOUNTED)	TEMPORARY CRASH CUSHION MODULE TYPE 'TS14'	TEMPORARY CRASH CUSHION MODULE TYPE 'TS11'	BARRICADE TYPE III
							LF		LF	LF	EA	EA	EA		EA
1	1	TH-1	"C"	101	SB	SWLL	360								
			"C"	101	SB	27B	360								
			"C"	101	SB	11/13				90	37				
		TH-2	"C"	101	SB	SWLL	1400								
			"C"	101	SB	27B	1400					5	14	11	
			"C"	101	SB	11/13				350	150				
		TH-3	"C"	101	SB	SWLL	1200								
			"C"	101	SB	27B	988					8			
			"C"	101	SB	11/13				300	125				
		TH-4	"C"	101	SB	SWLL	524								
			"C"	101	SB	27B	524					10	14		
			"C"	101	SB	11/13				131	55				
1	2	TH-5	"C"	101	SB	SWLL	480		480						
			"C"	101	SB	24		480							
			"C"	101	NB	SWLL	688					41	14		
			"C"	101	NB	24		1230							
			"C"	101	NB	11/13				502	210				
		TH-6	"C"	101	SB	SWLL	1400		1400						
			"C"	101	SB	24		1400							
			"C"	101	NB	SWLL	1400					28			
			"C"	101	NB	24		1400							
			"C"	101	NB	11/13				700	294				
		TH-7	"C"	101	SB	SWLL	1200		1200						
			"C"	101	SB	24		1200							
			"C"	101	NB	SWLL	1200								
			"C"	101	NB	24		1200							
			"C"	101	NB	11/13				350	146				
		TH-8	"C"	101	SB	SWLL	550		550						
			"C"	101	SB	24		550							
			"C"	101	NB	SWLL	453					10	14		
			"C"	101	NB	24		453							
			"C"	101	NB	11/13				113	50				
1	3	TH-9	"C"	101	SB								14		
		TH-10	"C"	101	SB							10	14		
1	4	TH-13	"SBD1"	101	SB	SWLL	350		350						
			"SBD1"	101	SB	24		350							
			"SBD1"	101	SB	27B	350					10	28		5
			"NBD1"	101	NB	SWLL	850		550						
			"NBD1"	101	NB	27B	850								
		TH-14	"SBD1"	101	SB	SWLL	1400		1400						
			"SBD1"	101	SB	24		1400							
			"SBD1"	101	SB	27B	1400								
			"NBD1"	101	NB	SWLL	1400		550			15			
			"NBD1"	101	NB	24		1400							
			"NBD1"	101	NB	27B	1400								
			"CRD1"	LOCAL	NB	21		150							
			"CRD1"	LOCAL	NB	27B	150								
SUBTOTAL SHEET THQ-2							33490		6480	2536	1067	137	123		5

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	226	343

12/04/12
REGISTERED CIVIL ENGINEER DATE

FAWZI YAGHMOUR No. C-54750 Exp. 12/31/13 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

4-29-13
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.

REVISED BY | DATE REVISED
DAVID BLACK | FAWZI YAGHMOUR
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

TRAFFIC HANDLING QUANTITIES
THQ-2

LAST REVISION 01-15-13 | DATE PLOTTED => 03-MAY-2013 | TIME PLOTTED => 14:07

BORDER LAST REVISED 7/2/2010 | USERNAME => s114937 | DGN FILE => 0500000055mf002.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1512 | PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	227	343

12/04/12
REGISTERED CIVIL ENGINEER DATE

FAWZI YAGHMOUR No. C-54750 Exp. 12/31/13 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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TEMPORARY PAVEMENT DELINEATION

STAGE	PHASE	SHEET	LOL	ROUTE	DIRECTION	DETAIL	TEMPORARY TRAFFIC STRIPE (PAINT) 4" WHITE	TEMPORARY TRAFFIC STRIPE (PAINT) 4" YELLOW	REMOVE TEMPORARY TRAFFIC STRIPE (PAINT)	REMOVE THERMOPLASTIC TRAFFIC STRIPE	REMOVE PAVEMENT MARKERS	CHANNELIZER (SURFACE MOUNTED)	TEMPORARY CRASH CUSHION MODULE TYPE 'TS14'	TEMPORARY CRASH CUSHION MODULE TYPE 'TS11'	BARRICADE TYPE III
							LF		LF	LF	EA	EA	EA		EA
1	4	TH-15	"SBD1"	101	SB	SWLL	1200					62	14	22	
			"SBD1"	101	SB	24		1200							
			"SBD1"	101	SB	27B	1200								
			"SBD1"	101	SB	36				300	13				
			"NBD1"	101	NB	SWLL	1200								
			"NBD1"	101	NB	24		1200							
			"NBD1"	101	NB	27B	1200								
			"CRD1"	LOCAL	NB	21		1200							
			"CRD1"	LOCAL	NB	27B	1200								
			"CRD1"	LOCAL	NB	11				211					
			"CRD1"	LOCAL	NB	31				619					
			"CRD1"	LOCAL	NB	29				766	32				
			"CRD1"	LOCAL	NB	38				113					
		TH-16	"NBD1"	101	NB	SWLL	276								
			"NBD1"	101	NB	24		276							
			"NBD1"	101	NB	27B	276								
1	5	TH-17	"C"	101	NB	SWLL	550		550			19	14		
			"C"	101	NB	24		550							
			"C"	101	NB	27B	550		550						
			"C"	101	SB	SWLL	550		550						
			"C"	101	SB	24		550							
			"C"	101	SB	27B	550		550						
		TH-18	"C"	101	NB	SWLL	1400					28			
			"C"	101	NB	24		1400							
			"C"	101	NB	27B	1400								
			"C"	101	SB	SWLL	1400								
			"C"	101	SB	24		1400							
			"C"	101	SB	27B	1400								
		TH-19	"C"	101	NB	SWLL	1200								
			"C"	101	NB	24		1200							
			"C"	101	NB	27B	1200								
			"C"	101	SB	SWLL	1200								
			"C"	101	SB	24		1200							
			"C"	101	SB	27B	1200								
		TH-20	"C"	101	NB	SWLL	260					10	14		
			"C"	101	NB	24		260							
			"C"	101	NB	27B	260								
			"C"	101	SB	SWLL	260								
			"C"	101	SB	24		260							
			"C"	101	SB	27B	260								
2	3	TH-29	"SBD2"	101	SB	SWLL	550					10	42		5
			"SBD2"	101	SB	24		550							
			"SBD2"	101	SB	27B	550								
			"NBD2"	101	NB	SWLL	550								
			"NBD2"	101	NB	24		550							
			"NBD2"	101	NB	27B	550								
		TH-30	"SBD2"	101	SB	SWLL	1400					15			
			"SBD2"	101	SB	24		1400							
			"SBD2"	101	SB	27B	1400								
			"NBD2"	101	NB	SWLL	1400								
			"NBD2"	101	NB	24		1400							
			"NBD2"	101	NB	27B	1400								
			"CRD2"	LOCAL	LOCAL	21		229							
			"CRD2"	LOCAL	LOCAL	27B	229								
SUBTOTAL SHEET THQ-3							43046		2200	2009	45	144	106		5

TRAFFIC HANDLING QUANTITIES
THQ-3

LAST REVISION: DATE PLOTTED => 03-MAY-2013
01-15-13 TIME PLOTTED => 13:44

CALCULATED-DESIGNED BY
CHECKED BY
DAVID BLACK
FAWZI YAGHMOUR
REVISED BY
DATE REVISED
FUNCTIONAL SUPERVISOR
MOHAMMED QATAMI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

TEMPORARY PAVEMENT DELINEATION

STAGE	PHASE	SHEET	LOL	ROUTE	DIRECTION	DETAIL	TEMPORARY TRAFFIC STRIPE (PAINT) 4" WHITE	TEMPORARY TRAFFIC STRIPE (PAINT) 4" YELLOW	REMOVE PAINTED TRAFFIC STRIPE	REMOVE THERMOPLASTIC TRAFFIC STRIPE	REMOVE PAVEMENT MARKERS	CHANNELIZER (SURFACE MOUNTED)	TEMPORARY CRASH CUSHION MODULE TYPE 'U14'	TEMPORARY CRASH CUSHION MODULE TYPE 'U11'	BARRICADE TYPE III
							LF		LF	LF	EA	EA	EA		EA
2	3	TH-31	"SBD2"	101	SB	SWLL	1200					137		22	8
			"SBD2"	101	SB	24		1200							
			"SBD2"	101	SB	27B	1200								
			"NBD2"	101	NB	SWLL	1200								
			"NBD2"	101	NB	24		1200							
			"NBD2"	101	NB	27B	1200								
			"CRD2"	LOCAL	LOCAL	21		1200							
			"CRD2"	LOCAL	LOCAL	27B	1420								
			"CRD2"	LOCAL	LOCAL	8		129							
			"CRD2"	LOCAL	LOCAL	38	160								
		TH-32	"SBD2"	101	SB	SWLL	500					10	14		
			"SBD2"	101	SB	24		500							
			"SBD2"	101	SB	27B	500								
			"NBD2"	101	NB	SWLL	500								
			"NBD2"	101	NB	24		500							
			"NBD2"	101	NB	27B	500								
			"CRD2"	LOCAL	LOCAL	21		100							
			"CRD2"	LOCAL	LOCAL	27B	100								
3	1	TH-33	"C"	101	SB	SWLL	550					29	14		
			"C"	101	SB	24		550							
			"C"	101	SB	27B	550								
			"C"	101	NB	SWLL	850								
			"C"	101	NB	24		850							
			"C"	101	NB	27B	850								
		TH-34	"C"	101	SB	SWLL	1400					47			
			"C"	101	SB	24		1400							
			"C"	101	SB	27B	1400								
			"C"	101	NB	SWLL	1400								
			"C"	101	NB	24		1400							
			"C"	101	NB	27B	1400								
		TH-35	"C"	101	SB	SWLL	1200					29			
			"C"	101	SB	24		1200							
			"C"	101	SB	27B	1200								
			"C"	101	NB	SWLL	1200								
			"C"	101	NB	24		1200							
			"C"	101	NB	27B	1200								
		TH-36	"C"	101	SB	SWLL	550					10	14		
			"C"	101	SB	24		550							
			"C"	101	SB	27B	550								
			"C"	101	NB	SWLL	450								
			"C"	101	NB	24		450							
			"C"	101	NB	27B	450								
3	3	TH-41	"C"	101	SB	24		550	550			10	14		5
		TH-42	"C"	101	SB	24		1400	1400			15			
		TH-43	"C"	101	SB	24		1200	1200			39			
		TH-44	"C"	101	SB	24		257	257						
			SUBTOTAL SHEET THQ-4				39516		3407			326	78		13
			SUBTOTAL SHEET THQ-2				33490		6480	2536	1067	137	123		5
			SUBTOTAL SHEET THQ-3				43046		2200	2009	45	144	106		5
			TOTAL				116052		12087	4545	1112	607	307		23

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	228	343

12/04/12
REGISTERED CIVIL ENGINEER DATE

FAWZI YAGHMOUR No. C-54750 Exp. 12/31/13 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

4-29-13
PLANS APPROVAL DATE

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY: DAVID BLACK
CHECKED BY: FAWZI YAGHMOUR
FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

TRAFFIC HANDLING QUANTITIES
THQ-4

LAST REVISION | DATE PLOTTED => 03-MAY-2013
01-28-13 | TIME PLOTTED => 13:44

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	229	343

12/04/12
REGISTERED CIVIL ENGINEER DATE

4-29-13
PLANS APPROVAL DATE

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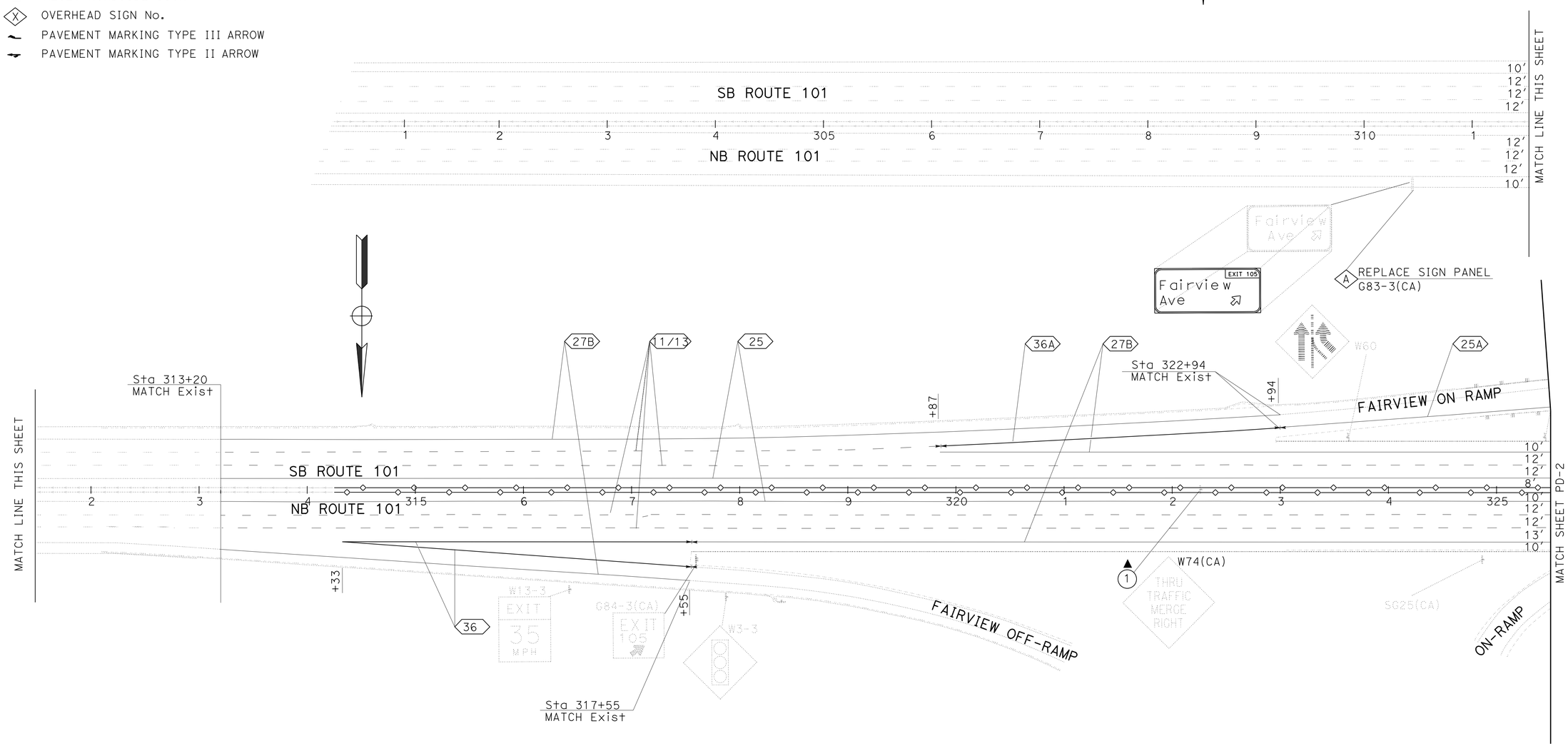
REGISTERED PROFESSIONAL ENGINEER
FAWZI YAGHMOUR
No. C-54750
Exp. 12/31/13
CIVIL
STATE OF CALIFORNIA

LEGEND

- XX — TRAFFIC STRIPE DETAIL No.
- LIMITS OF DESIGNATED TRAFFIC STRIPING DETAIL
- PAVEMENT MARKING TYPE IV ARROW
- PAVEMENT MARKING TYPE VI ARROW
- XX — ROADSIDE SIGN No.
- ROADSIDE SIGN ONE-POST
- RESET ROADSIDE SIGN
- X — OVERHEAD SIGN No.
- PAVEMENT MARKING TYPE III ARROW
- PAVEMENT MARKING TYPE II ARROW



PAVEMENT DELINEATION AND SIGN PLAN

SCALE: 1" = 50"

PD-1

APPROVED FOR PAVEMENT DELINEATION AND SIGN WORK ONLY

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: DAVID BLACK
CHECKED BY: FAWZI YAGHMOUR
FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 05-TRAFFIC DESIGN

LAST REVISION | DATE PLOTTED => 03-MAY-2013
01-15-13 | TIME PLOTTED => 13:44

BORDER LAST REVISED 7/2/2010 | USERNAME => s124496 | DGN FILE => 0500000055na001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1512 | PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	230	343

12/04/12
REGISTERED CIVIL ENGINEER DATE

4-29-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
FAWZI YAGHMOUR
No. C-54750
Exp. 12/31/13
CIVIL
STATE OF CALIFORNIA

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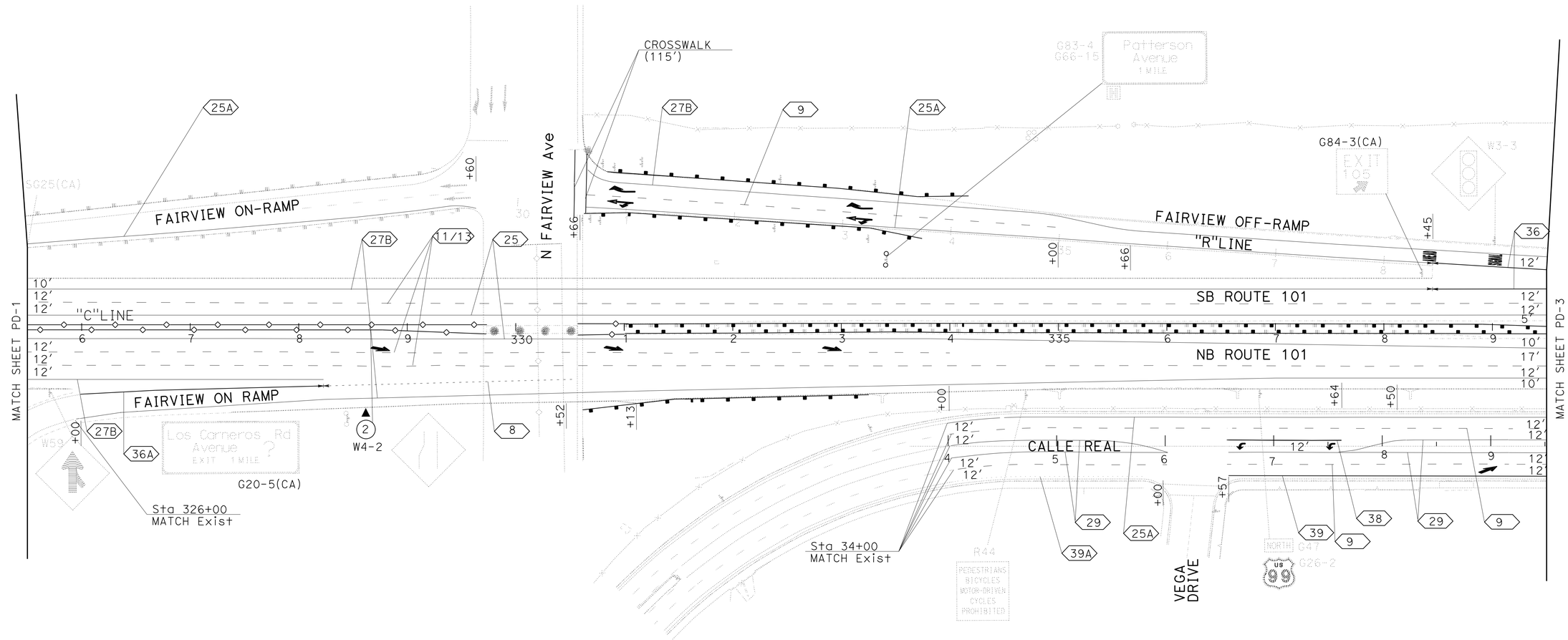

PAVEMENT DELINEATION AND SIGN PLAN

SCALE: 1" = 50"

PD-2

APPROVED FOR PAVEMENT DELINEATION AND SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 05-TRAFFIC DESIGN
FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI
CALCULATED-DESIGNED BY: FAWZI YAGHMOUR
CHECKED BY: DAVID BLACK
REVISED BY
DATE REVISED

LAST REVISION
DATE PLOTTED => 03-MAY-2013
TIME PLOTTED => 13:44
01-15-13

BORDER LAST REVISED 7/2/2010
USERNAME => s124496
DGN FILE => 0500000055na002.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1512
PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	231	343

12/04/12
REGISTERED CIVIL ENGINEER DATE

4-29-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
FAWZI YAGHMOUR
No. C-54750
Exp. 12/31/13
CIVIL
STATE OF CALIFORNIA

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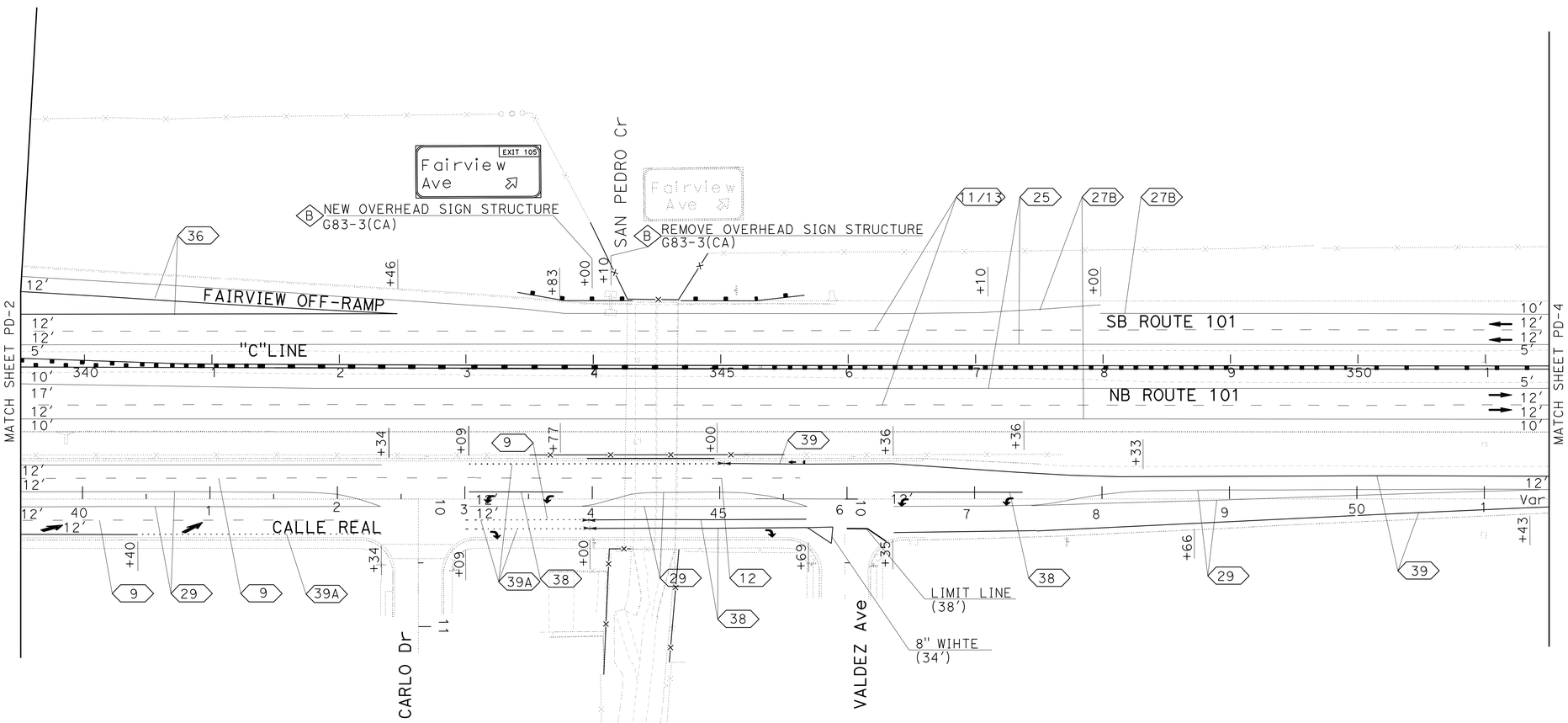

PAVEMENT DELINEATION AND SIGN PLAN

SCALE: 1" = 50"

PD-3

APPROVED FOR PAVEMENT DELINEATION AND SIGN WORK ONLY

DAVID BLACK			
FAWZI YAGHMOUR			
MOHAMMED QATAMI			
CALCULATED-DESIGNED BY	CHECKED BY	REVISED BY	DATE REVISED

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
05-TRAFFIC DESIGN
FUNCTIONAL SUPERVISOR

LAST REVISION 01-15-13
DATE PLOTTED => 03-MAY-2013
TIME PLOTTED => 13:44

BORDER LAST REVISED 7/2/2010
USERNAME => s124496
DGN FILE => 0500000055na003.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1512
PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	232	343

12/04/12
REGISTERED CIVIL ENGINEER DATE

FAWZI YAGHMOUR
No. C-54750
Exp. 12/31/13
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

4-29-13
PLANS APPROVAL DATE

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G86-13(CA)

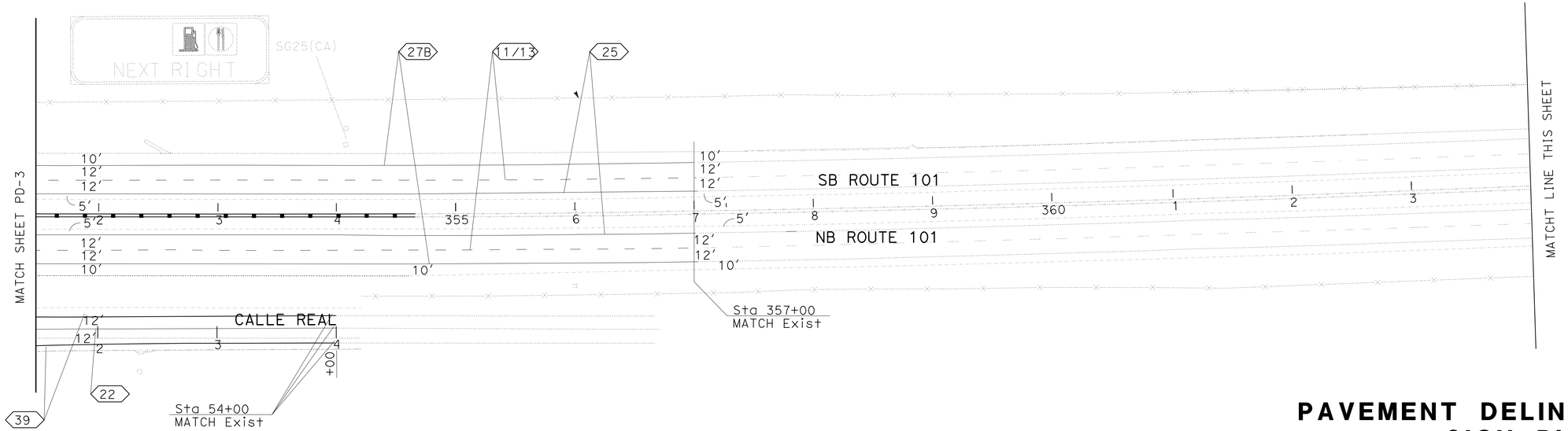
Fairview Avenue
NEXT RIGHT
AIRPORT

MATCHT LINE THIS SHEET

10′ 12′ 12′ 5′ | 365 | 6 | 7 | 8 | 9 | 370 | 10′ 12′ 12′ 5′ | 1 | 2 | 3 | 4 | 375

SB ROUTE 101

NB ROUTE 101



PAVEMENT DELINEATION AND SIGN PLAN

SCALE: 1" = 50"

PD-4

APPROVED FOR PAVEMENT DELINEATION AND SIGN WORK ONLY

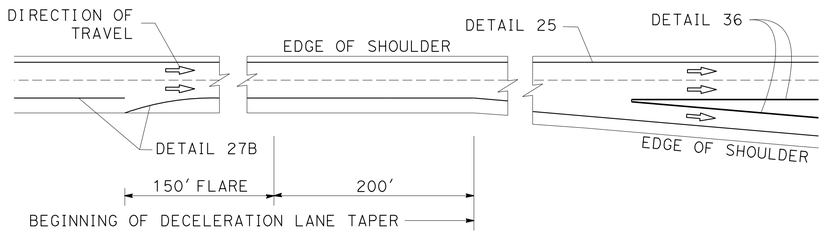
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
05-TRAFFIC DESIGN
FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI
CALCULATED-DESIGNED BY: FAWZI YAGHMOUR
CHECKED BY: DAVID BLACK
REVISED BY
DATE REVISED

LAST REVISION | DATE PLOTTED => 03-MAY-2013
01-15-13 | TIME PLOTTED => 13:44

BORDER LAST REVISED 7/2/2010
USERNAME => s124496
DGN FILE => 0500000055na004.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1512
PROJECT NUMBER & PHASE 0500000055

PAVEMENT DELINEATION QUANTITIES

SHEET No.	LOCATION STA TO STA		DIRECTION	DETAIL No.	PAVEMENT MARKERS (RETROREFLECTIVE) TYPE D	PAVEMENT MARKERS (RETROREFLECTIVE) TYPE G	PAVEMENT MARKERS (RETROREFLECTIVE) TYPE H	PAVEMENT MARKERS (NON-REFLECTIVE) TYPE A	THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE) 8" SOLID	6" SOLID	4" SOLID	4" BROKEN (36-12)	4" BROKEN (17-7)	THERMOPLASTIC PAVEMENT MARKING	
					EA	EA	EA	EA	LF	LF	LF	LF	LF	DESCRIPTION	SQFT
PD-1 TO PD-2	ON RAMP	323+00 329+60	SB	25A			29				660			1 - AHEAD (PD-2)	31
PD-1	Route 101	313+20 317+55	NB	27B							435			2 - TYPE VI ARROW (PD-2)	84
PD-1	Route 101	313+20 319+87	SB	11/13		15		60				667		2 - TYPE III ARROW (PD-2)	84
PD-1	Route 101	313+20 322+94	SB	27B							974			4 - TYPE VI ARROW (PD-2)	168
PD-1	Route 101	314+33 317+55	NB	36		30			644					2 TYPE IV ARROW (PD-2)	30
PD-1	Route 101	319+87 322+94	SB	36A		14			307					1 - SIGNAL ARROW (PD-2)	32
PD-1 TO PD-2	Route 101	313+20 330+13	NB	11/13		37		144				1693		6 - TYPE IV ARROW (PD-2)	90
PD-1 TO PD-4	Route 101	313+20 357+00	NB	25			93				4380			6 - TYPE IV ARROW (PD-3)	90
PD-1 TO PD-4	Route 101	313+20 357+00	NB	11/13		93		368				4380		2 - TYPE II ARROW (PD-3)	90
PD-1 TO PD-4	Route 101	313+20 357+00	SB	25			93				4380			2 - XWALK&LL (PD-3)	153
PD-1 TO PD-4	Route 101	313+20 357+00	SB	12		93						4380			
PD-1 TO PD-2	Route 101	317+55 325+96	NB	27B							841				
PD-1 TO PD-4	Route 101	319+87 326+96	SB	27B							709				
PD-2 TO PD-4	Route 101	326+00 357+00	NB	27B							3100				
PD-2 TO PD-4	OFF RAMP	30+66 39+50	SB	27B							884				
PD-2	Route 101	326+00 330+52	NB	36A		20			452						
PD-2	Route 101	330+52 331+13	NB	8									61		
PD-2	OFF RAMP	30+66 38+45	SB	25A			33				779				
PD-2	OFF RAMP	30+66 35+00	SB	9		10							434		
PD-2	CALLE REAL	36+57 37+64	EB	38		5			107						
PD-2	CALLE REAL	34+00 36+00	WB	39A											
PD-2	CALLE REAL	34+00 36+00	WB	9		5							200		
PD-2	CALLE REAL	34+00 36+00		29	20						400				
PD-2	CALLE REAL	34+00 42+34	EB	25A			36				834				
PD-2	CALLE REAL	36+57 40+40	EB	39						383					
PD-2 TO PD-3	CALLE REAL	34+00 42+34	EB	9		18							834		
PD-2 TO PD-3	CALLE REAL	36+57 42+34	WB	9		13							577		
PD-2 TO PD-3	CALLE REAL	36+57 45+69	WB	9		20							912		
PD-2 TO PD-3	CALLE REAL	36+57 42+34		29	52						1154				
PD-2 TO PD-3	OFF RAMP	38+45 42+46	SB	36		36			802						
PD-3	CALLE REAL	40+40 42+34	WB	39A											
PD-3	CALLE REAL	43+09 43+77	EB	38		4			68						
PD-3	CALLE REAL	43+09 45+00	EB	39A											
PD-3	CALLE REAL	43+09 44+00	EB	39A											
PD-3	CALLE REAL	43+09 44+00	EB	39A											
PD-3	CALLE REAL	43+09 45+69		29	24						520				
PD-3	CALLE REAL	44+00 45+69	WB	38		8			169						
PD-3	CALLE REAL	44+00 45+69	WB	38		8			169						
PD-3	CALLE REAL	46+36 47+36	EB	38		5			100						
PD-3 TO PD-4	CALLE REAL	45+00 54+00	EB	39						900					
PD-3 TO PD-4	CALLE REAL	46+36 54+00	EB	39						764					
PD-3 TO PD-4	CALLE REAL	46+36 54+00		22	66						1528				
SUBTOTAL															
TOTAL						880		572			40581				852



RIGHT EDGELINE FLARE DETAIL

NO SCALE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	233	343

12/04/12
REGISTERED CIVIL ENGINEER DATE

4-29-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — FAWZI YAGHMOUR No. C-54750 Exp. 12/31/13 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.

REVISED BY | DATE REVISED

DAVID BLACK | FAWZI YAGHMOUR

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 05-TRAFFIC DESIGN

PAVEMENT DELINEATION DETAILS AND QUANTITIES

PDQ-1

LAST REVISION: DATE PLOTTED => 03-MAY-2013 12-04-12 TIME PLOTTED => 13:44

BORDER LAST REVISED 7/2/2010 | USERNAME => s124496 | DGN FILE => 0500000055nc001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1512 | PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	234	343

12/04/12
REGISTERED CIVIL ENGINEER DATE

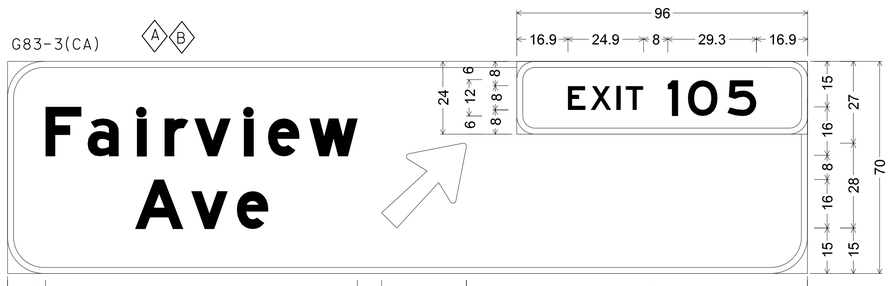
FAWZI YAGHMOUR No. C-54750 Exp. 12/31/13 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

4-29-13
PLANS APPROVAL DATE

OVERHEAD SIGN QUANTITIES

SHEET No.	SIGN No.	SIGN CODE	PANEL SIZE	OVERHEAD SIGN PANEL: BACKGROUND SHEETING COLOR	BACKGROUND Retroreflectivity ASTM TYPE	LEGEND SHEETING COLOR	LEGEND Retroreflectivity ASTM TYPE	GRAFFITI FLOW STANDARD	GRAFFITI FLOW PREMIUM	FURNISH LAMINATED PANEL SIGN (1"-TYPE A)	REMOVE OVERHEAD SIGN PANEL (N)	REMOVE SIGN STRUCTURE	INSTALL SIGN STRUCTURE (TRUSS)	FURNISH SIGN STRUCTURE (TRUSS)	60" DIA. CIDH CONCRETE PILE (SIGN FOUNDATION)	INSTALL SIGN PANEL ON EXISTING FRAME
			IN x IN							SQFT	EA	EA	LBS	LBS	LF	SQFT
PD-1	A	G83-3(CA)	264" x 70"	GREEN	IV	WHITE	IV		X	128.33	1					128.33
PD-3	B	G83-3(CA)	264" x 70"	GREEN	IV	WHITE	IV		X	128.33		1	16215	16215	22	128.33
TOTAL										256.66	1	1	16215	16215	22	256.66

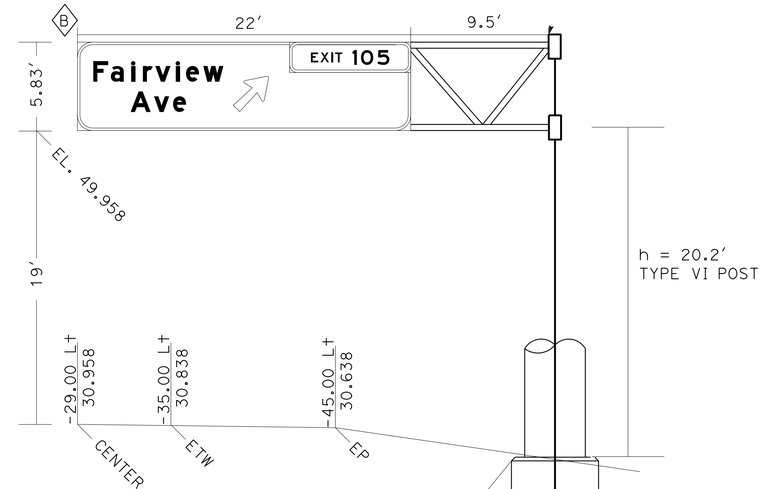
(N) NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY



12.0" Radius, 2.0" Border, White on Green;
[Fairview] E Mod; [Ave] E Mod; Arrow 16CAP-2LV - 35.6" 45°;
[EXIT] E; [105] E;
6.0" Radius, 2.0" Border, White on Green;

SIGN QUANTITIES

SHEET No.	SIGN No.	SIGN CODE	RESET ROADSIDE SIGN (ONE POST)
			EA
PD-1	1	W74(CA)	1
PD-2	2	W4-2	1
		TOTAL	2



LOL "C"
Sta 344+00

STANDARD PLAN 2010, S-8

SIGN QUANTITIES AND DETAIL

NO SCALE

SQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
05-TRAFFIC DESIGN
Caltrans
FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI
CALCULATED-DESIGNED BY
CHECKED BY
DAVID BLACK
FAWZI YAGHMOUR
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 03-MAY-2013
01-28-13 TIME PLOTTED => 13:44

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	235	343

REGISTERED CIVIL ENGINEER 12/21/12 DATE

4-29-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — JONATHAN D. GLEDHILL — No. 66162 — Exp 6/30/14 — CIVIL — STATE OF CALIFORNIA

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

NOTES: EXPANSION FACTOR OF 15% UTILIZED
(1) SEE ROADWAY EXCAVATION AERIAL DEPOSITED LEAD (TYPE Z-2) TABLE IN CONSTRUCTION DETAILS SHEETS FOR EXACT LIMITS AND QUANTITIES.
ADL = AERIALLY DEPOSITED LEAD

EARTHWORK

		LOCATION	WORK DESCRIPTION	ROADWAY EXCAVATION TYPE (Z-2) (ADL) (1) CY	ROADWAY EXCAVATION ROADWAY Exc CY	EMBANKMENT (N) CY	STRUCTURE EXCAVATION (TYPE D) CY	STOCKPILED MATERIAL (N) CY	COMMENTS
STAGE 1	PHASE 1	Sta 25+50.00 TO Sta 48+00.00 "NBD1"	CONSTRUCT SB OUTSIDE SHOULDER	848.4	2,356.7	240.0			
		Sta 322+98.00 TO Sta 325+55.00 "C" LINE Sta 348+00.00 TO Sta 354+00.00 "C" LINE	CONSTRUCT SB OUTSIDE SHOULDER	173.8	486.3	95.2			
			PHASE 1 SUBTOTAL	1,022.2	2,843.0	335.2	0.0	0.0	
	PHASE 2	Sta 23+00.00 TO Sta 54+00.00 "NBD1"	CONSTRUCT NB DETOUR/MEDIAN	2,622.8	1,126.2	71.0			
			PHASE 2 SUBTOTAL	2,622.8	1,126.2	71.0	0.0	0.0	
	PHASE 3				0.0	0.0			
			PHASE 3 SUBTOTAL		0.0	0.0	0.0	0.0	
	PHASE 4	Sta 323+65.00 TO Sta 353+00.00 "C" LINE	CONSTRUCT RTE 101 NB LANES	1,699.7	6,008.1	183.8			
		Sta 14+10.10 TO Sta 15+00.00 "LV" LINE	EXCAVATE Exist CULVERT		703.4				LAS VEGAS CREEK
		Sta 14+10.10 TO Sta 15+00.00 "LV" LINE	EXCAVATE FOR RSP				1,700.0	903.2	LAS VEGAS CREEK
		Sta 14+10.10 TO Sta 15+00.00 "LV" LINE	REBUILD CREEK BED		903.2	785.4			LAS VEGAS CREEK USE STOCKPILED CREEK BED Exc MATERIAL
		Sta 84+13.40 TO Sta 85+08.70 "SP" LINE	EXCAVATE Exist CULVERT		273.5				SAN PEDRO CREEK
		Sta 84+13.40 TO Sta 85+08.70 "SP" LINE	REBUILD CREEK BED				1,515.2	782.7	SAN PEDRO CREEK
		Sta 84+13.40 TO Sta 85+08.70 "SP" LINE	REBUILD CREEK BED		782.7	680.6			SAN PEDRO CREEK USE STOCKPILED CREEK BED Exc MATERIAL
		Sta 43+65.00 TO Sta 45+25.00 "CR" LINE	CONSTRUCT CALLE REAL		296.2	10.0			
			PHASE 4 SUBTOTAL	1,699.7	8,967.1	1,659.8	3,215.2	1,685.9	
			STAGE 1 TOTAL	5,344.7	12,936.3	2,066.0	3,215.2	1,685.9	

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

SUMMARY OF QUANTITIES
Q-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
06-DESIGN
FUNCTIONAL SUPERVISOR: FOAD N AL-HAMDANI
CALCULATED-DESIGNED BY: JASON CASTILLO
CHECKED BY: JONATHAN D. GLEDHILL
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 03-MAY-2013
08-31-12 TIME PLOTTED => 13:44

BORDER LAST REVISED 7/2/2010
USERNAME => s124496
DGN FILE => 0500000055pa001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1472
PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	236	343

REGISTERED CIVIL ENGINEER — DATE 12/21/12

PLANS APPROVAL DATE 4-29-13

JONATHAN D. GLEDHILL No. 66162 Exp 6/30/14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

NOTES: EXPANSION FACTOR OF 15% UTILIZED
(1) SEE ROADWAY EXCAVATION AERIALLY DEPOSITED LEAD (TYPE Z-2) TABLE IN SUMMARY OF QUANTITIES SHEETS FOR EXACT LIMITS AND QUANTITIES.
ADL = AERIALLY DEPOSITED LEAD

EARTHWORK

		LOCATION	WORK DESCRIPTION	ROADWAY EXCAVATION TYPE (Z-2) (ADL) (1) CY	ROADWAY EXCAVATION ROADWAY Exc CY	EMBANKMENT (N) CY	STRUCTURE EXCAVATION (TYPE D) CY	STOCKPILED MATERIAL (N) CY	COMMENTS
STAGE 2	PHASE 1	Sta 22+00.00 TO Sta 54+00.00 "SBD2"	CONSTRUCT MEDIAN		618.6	21.9			CONSTRUCT MEDIAN PORTION OF STAGE 2 DETOUR
			PHASE 1 SUBTOTAL		618.6	21.9	0.0	0.0	
	PHASE 2				0.0	0.0			
			PHASE 2 SUBTOTAL		0.0	0.0	0.0	0.0	
	PHASE 3	Sta 325+40.00 TO Sta 338+40.00 "C" LINE	CONSTRUCT MEDIAN		780.5				REMOVAL OF DETOUR STRUCTURAL SECTION
		Sta 325+40.00 TO Sta 338+40.00 "C" LINE	CONSTRUCT MEDIAN			678.7			BACKFILL REMOVED DETOUR STRUCTURAL SECTION WITH EMBANKMENT
		Sta 323+00.00 TO Sta 354+00.00 "C" LINE			230.0	6,812.1			CONSTRUCT OUTSIDE SHOULDER EMBANKMENT ALONG SB LANES
		Sta 331+10.00 TO Sta 332+60.00 "C" LINE Sta 343+65.00 TO Sta 345+25.00 "C" LINE			860.2				REMOVE Exist MAINLINE STRUCTURAL SECTION
		Sta 30+80.00 TO STA32+80.00 "R" LINE			1,040.0				SB OFF-RAMP EMBANKMENT EXCAVATION
		Sta 12+23.80 TO Sta 14+10.10 "LV" LINE	EXCAVATE Exist CULVERT		12,629.4				LAS VEGAS CREEK
		Sta 12+23.80 TO Sta 14+10.10 "LV" LINE	EXCAVATE FOR RSP				2,880.6	1,480.9	LAS VEGAS CREEK
		Sta 12+23.80 TO Sta 14+10.10 "LV" LINE	REBUILD CREEK BED		1,480.9	1,287.7			LAS VEGAS CREEK USE STOCKPILED CREEK BED Exc MATERIAL
		Sta 83+28.50 TO Sta 84+13.40 "SP" LINE Sta 85+08.70 TO Sta 85+48.70 "SP" LINE	EXCAVATE Exist CULVERT		282.5				SAN PEDRO CREEK
		Sta 83+28.50 TO Sta 84+13.40 "SP" LINE Sta 85+08.70 TO Sta 85+48.70 "SP" LINE	EXCAVATE FOR RSP				2,112.1	986.9	SAN PEDRO CREEK
		Sta 83+28.50 TO Sta 84+13.40 "SP" LINE Sta 85+08.70 TO Sta 85+48.70 "SP" LINE	REBUILD CREEK BED		986.9	858.1			SAN PEDRO CREEK USE STOCKPILED CREEK BED Exc MATERIAL
		Sta 43+65.00 TO Sta 45+25.00 "CR" LINE	CONSTRUCT CALLE REAL		296.2	10.0			
			PHASE 3 SUBTOTAL		18,586.6	9,646.6	4,992.7	2,467.8	
			STAGE 2 TOTAL		19,205.1	9,668.5	4,992.7	2,467.8	

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

REVISED BY | DATE REVISED
JASON CASTILLO | JONATHAN D. GLEDHILL
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: FOAD N AL-HAMDANI
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
06-DESIGN
Caltrans

LAST REVISION 08-31-12
DATE PLOTTED => 03-MAY-2013
TIME PLOTTED => 13:44

SUMMARY OF QUANTITIES
Q-2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	237	343

REGISTERED CIVIL ENGINEER — DATE 12/21/12

PLANS APPROVAL DATE 4-29-13

REGISTERED PROFESSIONAL ENGINEER — JONATHAN D. GLEDHILL — No. 66162 — Exp 6/30/14 — CIVIL — STATE OF CALIFORNIA

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

NOTES: EXPANSION FACTOR OF 15% UTILIZED

(1) SEE ROADWAY EXCAVATION AERIAL DEPOSITED LEAD (TYPE Z-2) TABLE IN CONSTRUCTION DETAILS SHEETS FOR EXACT LIMITS AND QUANTITIES.

ADL = AERIALLY DEPOSITED LEAD

EARTHWORK

		LOCATION	WORK DESCRIPTION	ROADWAY EXCAVATION TYPE (Z-2) (ADL) (1) CY	ROADWAY EXCAVATION ROADWAY Exc CY	EMBANKMENT (N) CY	STRUCTURE EXCAVATION (TYPE D) CY	STOCKPILED MATERIAL (N) CY	COMMENTS
STAGE 3	PHASE 1				0.0	0.0			
			PHASE 1 SUBTOTAL		0.0	0.0	0.0	0.0	
	PHASE 2	Sta 324+00.00 TO Sta 351+00.00 "C" LINE	CONSTRUCT MEDIAN		2,900.9				REMOVE DETOUR STRUCTURAL SECTION IN MEDIAN
		Sta 324+00.00 TO Sta 354+00.00 "C" LINE	CONSTRUCT MEDIAN		2,610.8	2,270.3			PLACE EMBANKMENT IN MEDIAN/ CONSTRUCT MEDIAN
			PHASE 2 SUBTOTAL		5,511.7	2,270.3	0.0	0.0	
	PHASE 3	Sta 331+00.00 TO Sta 354+00.00 "C" LINE	CONSTRUCT OUTSIDE NB EMBANKMENT		1,502.9	870.0			REMOVE DETOUR STRUCTURAL SECTION; CONSTRUCT OUTSIDE NB EMBANKMENTS
			PHASE 3 SUBTOTAL		1,502.9	870.0	0.0	0.0	
			STAGE 3 TOTAL		7,014.6	3,140.3	0.0	0.0	
		FROM Q-1	STAGE 1 TOTAL	5,344.7	12,936.3	2,066.0	3,215.3	1,685.9	
		FROM Q-2	STAGE 2 TOTAL		19,205.2	9668.5	4,992.7	2,467.8	
			STAGE 1, 2, & 3 TOTAL	5,344.7	39,156.1	14,874.8	8,208.0	4,153.7	

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

SUMMARY OF QUANTITIES
Q-3

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY: JASON CASTILLO

CHECKED BY: JONATHAN D. GLEDHILL

FUNCTIONAL SUPERVISOR: FOAD N AL-HAMDANI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® 06-DESIGN

LAST REVISION | DATE PLOTTED => 03-MAY-2013 | 08-31-12 | TIME PLOTTED => 13:44

BORDER LAST REVISED 7/2/2010

USERNAME => s124496

DGN FILE => 0500000055pa003.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1472

PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	238	343

12/21/12
REGISTERED CIVIL ENGINEER DATE

4-29-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
JONATHAN D. GLEDHILL
No. 66162
Exp 6/30/14
CIVIL
STATE OF CALIFORNIA

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ROADWAY QUANTITIES

		LOCATION	WORK DESCRIPTION	TACK COAT	HMA (TYPE A)	CLASS 2 AB	LCB	CLASS 1 AS	COLD PLANE AC Pvmt
				TON	TON	CY	CY	CY	SQYD
STAGE 1	PHASE 1	Sta 322+98.00 TO Sta 325+55.00 "C" LINE Sta 345+00.00 TO Sta 354+00.00 "C" LINE	CONSTRUCT SB OUTSIDE SHOULDER	0.4	395.7	485.0			
		Sta 25+50.00 TO Sta 48+00.00 "NBD1" LINE	CONSTRUCT SB OUTSIDE SHOULDER	0.5	1,449.5	1,383.8			
			PHASE 1 SUBTOTAL	0.9	1,845.2	1,868.8			
	PHASE 2	Sta 23+00.00 TO Sta 54+00.00 "NBD1" LINE	CONSTRUCT MEDIAN/NB DETOUR	4.6	2,871.5	2,741.6			
			PHASE 2 SUBTOTAL	4.6	2,871.5	2,741.6			
	PHASE 3	Sta 25+50.00 TO Sta 54+00.00 "NBD1" LINE	CONSTRUCT TRAVELLED WAY PORTION OF NB DETOUR	1.8	1,604.0				6,673.3
		Sta 322+00.00 TO Sta 325+50.00 "C" LINE Sta 348+00.00 TO Sta 354+00.00 "C" LINE	CONSTRUCT TRAVELLED WAY PORTION OF NB DETOUR	0.6	342.0				2,533.3
			PHASE 3 SUBTOTAL	2.4	1,946.0				9,206.6
	PHASE 4	Sta 323+00.00 TO Sta 354+00.00 "C" LINE	CONSTRUCT NB LANES & STRUCTURES	1.9	5,740.5	2,969.9	300.0	949.0	6,505.0
		Sta 43+65.00 TO Sta 45+25.00 "CR" LINE	CONSTRUCT CALLE REAL	0.3	369.8	188.9			
			PHASE 4 SUBTOTAL	2.2	6,110.3	3,158.8	300.0	949.0	6,505.0
	PHASE 5	Sta 322+00.00 TO Sta 327+00.00 "C" LINE	REMOVE/ADJUST DETOUR TRANSITIONS	0.8	292.5				3,000.0
		Sta 349+00.00 TO Sta 354+00.00 "C" LINE	REMOVE/ADJUST DETOUR TRANSITIONS	0.5	405.0				2,166.7
			PHASE 5 SUBTOTAL	1.3	697.5				5,166.7
			STAGE 1 TOTALS	11.4	13,470.5	7,769.2	300.0	949.0	20,878.3
STAGE 2	PHASE 1	Sta 23+00.00 TO Sta 54+00.00 "SBD2" LINE	CONSTRUCT MEDIAN PORTION OF DETOUR	0.6	897.0	418.4			2,385.6
			PHASE 1 SUBTOTAL	0.6	897.0	418.4			2,385.6
	PHASE 2	Sta 322+00.00 TO Sta 326+00.00 "C" LINE	CONSTRUCT DETOUR TRANSITIONS	0.4	192.0				1,422.2
		Sta 349+00.00 TO Sta 354+00.00 "C" LINE	CONSTRUCT DETOUR TRANSITIONS	0.4	240.0				1,777.8
			PHASE 2 SUBTOTAL	0.8	432.0				3,200.0
	PHASE 3	Sta 323+00.00 TO Sta 354+00.00 "C" LINE	CONSTRUCT SB LANES & STRUCTURES	0.7	1,557.2	242.4	51.4	178.1	2,844.4
		Sta 323+30.00 TO Sta 329+60.00 "C" LINE	CONSTRUCT SB ON-RAMP SHOULDER	0.1	49.2	43.8			
		Sta 30+85.00 TO Sta 38+40.00 "R" LINE	CONSTRUCT SB OFF-RAMP	0.7	393.5	402.6			
		Sta 43+65.00 TO Sta 45+25.00 "CR" LINE	CONSTRUCT CALLE REAL	0.3	369.8	188.9			
			PHASE 3 SUBTOTAL	1.8	2,369.7	877.7	51.4	178.1	2,844.4
			STAGE 2 TOTALS	3.2	3,698.6	1,296.1	51.4	178.1	8,429.6
			SHEET TOTALS	14.6	17,169.2	9,065.3	351.4	1,127.1	29,307.9

CALCULATED-DESIGNED BY: JASON CASTILLO
CHECKED BY: JONATHAN D. GLEDHILL
FUNCTIONAL SUPERVISOR: FOAD N AL-HAMDANI
REVISED BY | DATE REVISED

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
06-DESIGN
Caltrans

SUMMARY OF QUANTITIES
Q-4

LAST REVISION | DATE PLOTTED => 03-MAY-2013
08-31-12 | TIME PLOTTED => 13:44

BORDER LAST REVISED 7/2/2010
USERNAME => s124496
DGN FILE => 0500000055pa004.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1472
PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	239	343

12/21/12
REGISTERED CIVIL ENGINEER DATE

4-29-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
JONATHAN D. GLEDHILL
No. 66162
Exp 6/30/14
CIVIL
STATE OF CALIFORNIA

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ROADWAY QUANTITIES

		LOCATION	WORK DESCRIPTION	TACK COAT TON	HMA (TYPE A) TON	CLASS 2 AB CY	LCB CY	CLASS 1 AS CY	COLD PLANE AC Pvmt SQYD
STAGE 3	PHASE 1	Sta 322+00.00 TO Sta 327+00.00 "C" LINE	REMOVE/ADJUST DETOUR TRANSITIONS	0.8	420.0				3,111.1
		Sta 349+00.00 TO Sta 354+00.00 "C" LINE	REMOVE/ADJUST DETOUR TRANSITIONS	0.5	292.5				2,166.7
			PHASE 1 SUBTOTAL	1.3	712.5				5,277.8
	PHASE 2	Sta 322+00.00 TO Sta 354+00.00 "C" LINE	CONSTRUCT MEDIAN	1.5	719.4	211.0			3,611.1
			PHASE 2 SUBTOTAL	1.5	719.4	211.0			3,611.1
	PHASE 3	Sta 323+65.00 TO Sta 354+00.00 "C" LINE	CONSTRUCT OUTER SLOPES & SHOULDERS	0.8	263.0				2,037.8
			PHASE 3 SUBTOTAL	0.8	263.0				2,037.8
			STAGE 3 TOTALS	3.6	1,694.9	211.0			10,926.7
			STAGE 1 AND 2 TOTALS (SHEET Q-4)	14.6	17,169.2	9,065.3	351.4	1,127.1	29,307.9
			FROM HMA DIKE TABLE (SHEET Q-6)		67.8				
			FROM PLACE HMA (MISC AREA) TABLE (SHEET Q-7)		31.4				
			FROM MINOR CONCRETE (EXPOSED AGGREGATE CONCRETE) TABLE (SHEET Q-8)			41.1			
			FROM SAFETY EDGE TABLE (SHEET Q-10)		75.5				
			FROM STAGE CONSTRUCTION QUANTITY TABLE (SHEET SCQ-3)		114.3				0.6
			GRAND TOTALS	18.2	19,153.1	9,317.4	351.4	1,127.1	40,235.2

CONCRETE BARRIER (TYPE 60 MODIFIED)

LOCATION FROM	LOCATION TO	CONCRETE BARRIER (TYPE 60 Mod) LF	IMPORTED TOPSOIL CY	CLASS 2 PERMEABLE MATERIAL (BLANKET) CY	(N) FILTER FABRIC SQYD	3" SLOTTED PLASTIC PIPE UNDERDRAIN LF	PLAN SHEET No.
"C" 322+00	"C" 329+36	1,472	115.7	47	257.6	738	L-1,2
TOTAL		1,472	115.7	47	257.6	738	

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

MINOR CONCRETE (MINOR STRUCTURE)

LOCATION FROM	LOCATION TO	MINOR CONCRETE (MINOR STRUCTURE) CY	PLAN SHEET No.	COMMENTS
"SP" 85+48.67	"SP" 85+78.72	32.8	L-3	Mod WARPED WINGWALL
"R" 30+81.12	30+84.62 Lt	0.4	L-2	BRIDGE CONNECTION (SEE C-17)
FROM DRAINAGE QUANTITIES		82.44		
TOTAL		115.64		

SUMMARY OF QUANTITIES
Q-5

REVISED BY | DATE REVISED
GERARDO GOMEZ | JONATHAN D. GLEDHILL
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: FOAD N AL-HAMDANI
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
06-DESIGN
Caltrans

LAST REVISION | DATE PLOTTED => 03-MAY-2013
08-31-12 | TIME PLOTTED => 13:44

BORDER LAST REVISED 7/2/2010 | USERNAME => s124496 | DGN FILE => 0500000055pa005.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1472 | PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	240	343

12/21/12
REGISTERED CIVIL ENGINEER DATE

4-29-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
JONATHAN D. GLEDHILL
No. 66162
Exp 6/30/14
CIVIL
STATE OF CALIFORNIA

PLACE HMA DIKE

LOCATION	DIRECTION	R+/L+	PLACE HMA DIKE (TYPE A)	PLACE HMA DIKE (TYPE C)	PLACE HMA DIKE (TYPE E)	PLACE HMA DIKE (TYPE F)	* HMA (TYPE A)	NOTES
			LF	LF	LF	LF	TON	
"R" 30+84.62 TO 33+56.31	SB OFF RAMP	L+				275.2	3.7	
"R" 33+56.31 TO 34+21.52	SB OFF RAMP	L+		65.2			0.5	
"R" 34+21.52 TO 38+50.00	SB OFF RAMP	L+			428.5		11.3	
"C" 323+00.00 TO 331+31.47	SB	L+	831.5				22.7	
"C" 332+38.49 TO 338+44.66	SB	L+	606.2				16.6	
"C" 344+97.50 TO 345+47.50	SB	L+				50.0	0.7	
"C" 345+47.50 TO 346+10.00	SB	L+		62.5			0.5	
"C" 330+77.90 TO 331+07.50	NB	R+		29.6			0.1	
"C" 331+09.50 TO 331+29.40	NB	R+				19.9	1.3	
"C" 332+86.51 TO 340+90.00	NB	R+			803.5		10.4	
FROM SCQ TABLES			1,087.0					
TOTAL			2,524.7	157.3	1,232.0	345.1	*67.8	

* QUANTITY INCLUDED IN HMA, ROADWAY QUANTITIES TABLE.

ROCK SLOPE PROTECTION

LOCATION	FROM	TO	RSP(No. 1, METHOD B) CY	RSP (1/2 TON, METHOD A) CY	RSP FABRIC (CLASS 8) SQYD
STAGE 1					
LAS VEGAS CREEK	14+10.10	14+78.90	293.7	476.4	399.0
SAN PEDRO CREEK	84+13.40	85+08.70	256.0	418.6	552.7
STAGE 2					
LAS VEGAS CREEK	12+23.80	14+10.10	496.0	811.1	1,080.5
SAN PEDRO CREEK	83+15.60	84+13.40	307.1	470.9	567.2
SAN PEDRO CREEK	85+08.70	85+48.70	106.7	214.2	231.9
CONCRETE SPILLWAY	"C" Sta 332+50.00		10.9		27.2
FROM DRAINAGE QUANTITIES TABLE			43.9		121.8
FROM HMA OVERSIDE DRAINS QUANTITIES TABLE			28.0		91.7
FROM STAGE CONSTRUCTION QUANTITES TABLE			4.9		14.6
TOTAL			1,547.2	2,391.2	3,086.6

REMOVE ASPHALT CONCRETE PAVEMENT

LOCATION	REMOVE ASPHALT CONCRETE PAVEMENT SQFT
FROM STAGE CONSTRUCTION QUANTITES TABLE	96
TOTAL	96

REMOVE ASPHALT CONCRETE DIKE

LOCATION FROM	LOCATION TO	REMOVE ASPHALT CONCRETE DIKE LF	PLAN SHEET No.
"R" 32+75 L+	"C" 343+65 L+	1,090	L-2,3
FROM STAGE CONSTRUCTION QUANTITES TABLE		36	
TOTAL		1,126	

REMOVE CONCRETE BARRIER

LOCATION FROM	LOCATION TO	REMOVE CONCRETE BARRIER LF	PLAN SHEET No.
"C" 322+00.00	"C" 331+00.00	900.0	L-1,2
TOTAL		900.0	

CONCRETE BARRIER (TYPE 60R MODIFIED)

LOCATION FROM	LOCATION TO	CONCRETE BARRIER TYPE 60R MODIFIED LF	PLAN SHEET No.
"C" 329+36	"C" 331+31.47	195.47	L-2
TOTAL		195.47	

CALCULATED-DESIGNED BY
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FOAD N AL-HAMDANI
REVISED BY
DATE REVISED
GERARDO GOMEZ
JONATHAN D. GLEDHILL
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
06-DESIGN
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LAST REVISION DATE PLOTTED => 03-MAY-2013
TIME PLOTTED => 13:44
08-31-12

SUMMARY OF QUANTITIES
Q-6

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	241	343

12/21/12
REGISTERED CIVIL ENGINEER DATE

4-29-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
JONATHAN D. GLEDHILL
No. 66162
Exp 6/30/14
CIVIL
STATE OF CALIFORNIA

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METAL BEAM GUARD RAILING

LOCATION	METAL BEAM GUARD RAILING (STEEL POST)	REMOVE METAL BEAM GUARD RAILING	TRANSITION RAILING (TYPE WB)	TRANSITION RAILING (TYPE DTB)	DOUBLE THRIE BEAM BARRIER (STEEL POST)	REMOVE SINGLE THRIE BEAM BARRIER	REMOVE DOUBLE THRIE BEAM BARRIER	ALTERNATIVE FLARED TERMINAL SYSTEM	END ANCHOR ASSEMBLY (TYPE SFT)	VEGETATION CONTROL (MINOR CONCRETE)	TREATED WOOD WASTE	(N) BURIED POST END ANCHOR	MBGR LAYOUT	PLAN SHEET No.
	LF	LF	EA	EA	LF	LF	LF	EA	EA	SQYD	LB	EA	TYPE	
"C" Sta 324+84.10 TO 329+54.43 Lt		475.0									6,400			L-1,2
"C" Sta 330+66.77 TO 331+29.40 Rt	37.5		1							23.5		1	12C	L-2
"C" Sta 330+66.77 TO 332+86.84 Rt		225.0									3,000			
"C" Sta 332+38.60 TO 343+91.40 Lt/Rt				1	1,162.5					612.3				L-2,3
"C" Sta 344+98.40 TO 355+00.00 Rt				2	1,012.5					534.0				L-3,4
"C" Sta 331+00.00 TO 340+75.00 Rt						975					14,000			
"C" Sta 331+00.00 TO 340+75.00 Lt						975					14,000			
"C" Sta 340+75.00 TO 355+00.00 Rt							1,425				20,400			
"C" Sta 324+84.10 TO 329+57.30 Lt	475.0								1	184.3			12DD	L-1,2
"R" Sta 30+60.70 TO 34+48.14 Rt	350.0							1	1	148.3			11B	L-2
"R" Sta 30+60.70 TO 33+62.00 Rt		300.0									4,000			
"R" Sta 30+84.62 TO 33+93.81 Lt	250.0		1					1		123.9			12B	L-2
"R" Sta 30+81.12 TO 33+92.00 Lt		312.5									4,200			
"C" Sta 344+97.50 TO 345+85.00 Lt	25.0		1					1		50.9			12B	L-3
"C" Sta 343+94.10 TO 345+57.50 Lt		162.5									2,200			
TOTAL	1,137.5	1,475	3	3	2,175	1,950	1,425	3	2	1,677.2	68,200	1		

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PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA)

LOCATION	SHEET No.	PLACE HMA (Misc AREA)	HMA * (TYPE A)	DESCRIPTION
		SQYD	TON	
FROM HMA OVERSIDE DRAINS TABLE	Q-9	57.8	11.8	OVERSIDE DRAINS
"C" 332+08.49 TO 335+40	C-6	138.0	23.3	NARROW DEPRESSED PAVED MEDIAN
FROM STAGE CONSTRUCTION QUANTITIES TABLE	SCQ-3	436.3		TEMPORARY PAVING FOR DRAINAGE FEATURES
TOTAL		632.1	*31.4	

* QUANTITY INCLUDED IN HMA, ROADWAY QUANTITIES TABLE.

SHOULDER RUMBLE STRIP

STATION FROM	STATION TO	SHOULDER LOCATION	SHOULDER RUMBLE STRIP (HMA, GROUND-IN INDENTATIONS)
			Sta
"C" 322+00	326+10	NORTHBOUND OUTSIDE	4.10
"C" 328+00	331+31.5	NORTHBOUND OUTSIDE	5.32
"C" 332+36.9	343+90.7	NORTHBOUND OUTSIDE	11.54
"C" 344+97.7	353+00	NORTHBOUND OUTSIDE	8.02
"C" 322+00	331+31.5	NORTHBOUND INSIDE	9.32
"C" 332+39	343+91	NORTHBOUND INSIDE	11.52
"C" 344+98.1	353+00	NORTHBOUND INSIDE	8.02
"C" 322+00	331+31.5	SOUTHBOUND INSIDE	9.32
"C" 332+38.8	343+91.4	SOUTHBOUND INSIDE	11.53
"C" 344+98.4	354+00	SOUTHBOUND INSIDE	9.02
"C" 323+00	331+31.5	SOUTHBOUND OUTSIDE	8.32
"C" 332+39.5	338+44.7	SOUTHBOUND OUTSIDE	6.05
"C" 344+98.8	354+00	SOUTHBOUND OUTSIDE	9.01
		TOTAL	111.09

SUMMARY OF QUANTITIES
Q-7

CALCULATED-DESIGNED BY: GERARDO GOMEZ
CHECKED BY: JONATHAN D. GLEDHILL
REVISED BY
DATE REVISED
FUNCTIONAL SUPERVISOR: FOAD N AL-HAMDANI
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

LAST REVISION 08-31-12
DATE PLOTTED => 03-MAY-2013
TIME PLOTTED => 13:58

BORDER LAST REVISED 7/2/2010
USERNAME => s124496
DGN FILE => 0500000055pa007.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1472
PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	242	343

12/21/12
REGISTERED CIVIL ENGINEER DATE

4-29-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
JONATHAN D. GLEDHILL
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MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION)

LOCATION		SIDE WALK	CURB				Misc AREA	PLAN SHEET No.
			TYPE A1-6	TYPE A2-6	TYPE A3-6	TYPE D-6		
FROM	TO	CY	CY	CY	CY	CY	CY	
"CR" 43+65.00	"CR" 45+25.00 R+	337.92						L-3
"CR" 43+65.00	"CR" 44+12.02 R+			2.78				L-3
"CR" 43+65.00	"CR" 44+12.02 L+			2.78				L-3
"CR" 44+12.02	"CR" 44+22.02 R+		0.26					L-3
"CR" 44+12.02	"CR" 44+22.02 L+		0.26					L-3
"CR" 44+22.02	"CR" 44+69.02 R+				0.49			L-3
"CR" 44+22.02	"CR" 44+69.02 L+				0.49			L-3
"CR" 44+69.02	"CR" 44+79.02 R+		0.26					L-3
"CR" 44+69.02	"CR" 44+79.02 L+		0.26					L-3
"CR" 44+79.02	"CR" 45+25.00 R+			2.71				L-3
"CR" 44+79.02	"CR" 45+25.00 L+			2.71				L-3
"C" 322+95.33	"C" 324+95.56 L+					13.62		L-2
"C" 331+31.47	"C" 331+61.47 L+		0.78					L-2
"C" 331+61.47	"C" 332+08.49 L+				0.49			L-2
"C" 332+08.49	"C" 332+38.49 L+		0.78					L-2
"C" 336+62.49	"C" 338+44.61 L+					12.39		L-2
"C" 332+36.35	"C" 332+86.65 R+					4.9	76.49	L-2
SUBTOTAL		337.92	460.37				76.49	
FROM STAGE CONSTRUCTION QUANTITIES		38.09						
TOTAL		912.87						

MINOR CONCRETE (EXPOSED AGGREGATE CONCRETE)

DESCRIPTION	LOCATION		MINOR CONCRETE (EXPOSED AGGREGATE CONCRETE)	* CLASS 2 AB
	FROM	TO	SQFT	CY
SB OFF RAMP	"C" 336+62.49	"C" 338+44.61	3,261.6	20.2
SB ON RAMP	"C" 322+95.33	"C" 324+95.56	2,767.5	17.1
NB ON RAMP	"C" 325+38.79	"C" 325+90.38	617.4	3.8
	TOTAL		6,646.5	*41.1

* QUANTITY INCLUDED IN ROADWAY QUANTITIES TABLE

REMOVE HEADWALL

LOCATION	REMOVE HEADWALL
	CY
"LV" 14+78.51	1
"LV" 12+23.80	1
"SP" 83+54.30	1
"SP" 85+48.67	1
TOTAL	4

REMOVE RCB CULVERT

LOCATION			REMOVE RCB CULVERT
	FROM	TO	CY
STAGE 1			
LAS VEGAS CREEK	"LV" 14+10.10	"LV" 14+78.51	175.8
SAN PEDRO CREEK	"SP" 84+13.40	"SP" 85+08.70	300.0
STAGE 2			
LAS VEGAS CREEK	"LV" 12+23.80	"LV" 14+10.10	476.1
SAN PEDRO CREEK	"SP" 83+54.30	"SP" 84+13.40	186.1
SAN PEDRO CREEK	"SP" 85+08.70	"SP" 85+48.67	125.9
TOTAL			1,263.9

REVISED BY | DATE REVISED
GERARDO GOMEZ | JONATHAN D. GLEDHILL
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: FOAD N AL-HAMDANI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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DATE PLOTTED => 03-MAY-2013
TIME PLOTTED => 13:58

SUMMARY OF QUANTITIES
Q-8

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	243	343

12/21/12
REGISTERED CIVIL ENGINEER DATE

4-29-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
JONATHAN D. GLEDHILL
No. 66162
Exp 6/30/14
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FENCE

LOCATION		REMOVE			CHAIN LINK GATES				CHAIN LINK FENCE (TYPE CL-6)	CHAIN LINK FENCE (TYPE CL-8, SLATTED, Mod)	Temp FENCE (TYPE CL-6)	Temp FENCE (TYPE CL-6, SLATTED)	WOOD FENCE	MASONRY BLOCK WALL	PLAN SHEET No.
		CHAIN LINK FENCE	WOOD FENCE	MASONRY BLOCK WALL	4' (TYPE CL-6)	4' (TYPE CL-8, SLATTED, Mod)	8' (TYPE CL-6)	16' (TYPE CL-6)							
FROM	TO	LF	LF	LF	EA	EA	EA	EA	LF	LF	LF	LF	LF	SQFT	
"C" 331+59.2	"C" 353+00.0 R+	2,175													L-2,3,4
"C" 331+72.1	"C" 333+00.0 R+								142						L-2
"C" 331+59.2	"C" 331+72.1 R+							1							L-2
"C" 333+00.0	"C" 353+00.0 R+									1,980					L-2,3,4
"C" 334+61.0	"C" 334+65.0 R+					1									L-2
"C" 339+00.0	"C" 339+04.0 R+					1									L-2
"C" 343+68.5	"C" 343+72.5 R+					1									L-3
"C" 345+00.0	"C" 345+04.0 R+					1									L-3
"C" 350+80.0	"C" 350+84.0 R+					1									L-3
"C" 344+10.7	"C" 344+18.0 R+	25													L-3
"C" 344+10.7	"C" 344+11.3 R+								17						L-3
"C" 344+11.3	"C" 344+18.0 R+						1								L-3
"C" 331+60.4	"C" 332+40.3 L+	80													L-2
"C" 331+60.4	"C" 331+64.6 L+								7						L-2
"C" 332+15.0	"C" 332+40.3 L+								30						L-2
"C" 332+38.1	"C" 332+40.3 L+				1										L-2
"C" 343+97.9	"C" 344+83.1 L+	137													L-3
"C" 343+97.9	"C" 344+23.2 L+								68						L-3
"C" 344+65.3	"C" 344+83.1 L+								42						L-3
"C" 344+83.1	"C" 344+89.3 L+						1								L-3
"C" 344+64.6	"C" 344+65.7 R+		16												L-3
"C" 344+64.6	"C" 344+65.7 R+												16		L-3
"C" 344+65.7	"C" 344+77.9 R+			12											L-3
"C" 344+65.7	"C" 344+77.9 R+													96	L-3
"C" 344+64.6	"C" 344+77.9 R+											28			L-3
"CRD2" 44+12.19	"CRD2" 45+38.81 R+										360				L-3
TOTAL		2,417	16	12	1	5	2	1	306	1,980	360	28	16	96	

HMA OVERSIDE DRAINS

DRAINAGE PLAN SHEET No.	LOCATION	Place HMA (Misc Area) **	HMA (TYPE A) **	RSP (No. 1, METHOD B)*	RSP FABRIC (CLASS 8)*
		SQYD	TON	CY	SQYD
L-2	"R" Sta 38+50.00 L+	11.7	2.0	4.0	13.1
L-3	"C" Sta 343+76.75 L+	16.5	2.8	4.0	13.1
L-3	"C" Sta 346+12.50 L+	9.8	1.7	4.0	13.1
L-4	"C" Sta 354+00.00 L+	9.1	1.6	4.0	13.1
L-2	"C" Sta 331+08.50 R+	1.2	0.2		
L-2	"C" Sta 334+35.00 R+	3.1	1.1	4.0	13.1
L-2	"C" Sta 336+50.00 R+	3.2	1.2	4.0	13.1
L-2	"C" Sta 338+50.00 R+	3.2	1.2	4.0	13.1
TOTAL		**57.8	**11.8	*28.0	*91.7

* QUANTITY INCLUDED IN ROCK SLOPE PROTECTION QUANTITIES TABLE.
** QUANTITY INCLUDED IN PLACE HMA (MISC AREA) QUANTITIES TABLE.

SUMMARY OF QUANTITIES
Q-9

REVISED BY | DATE REVISED
GERARDO GOMEZ | JONATHAN D. GLEDHILL
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: FOAD N AL-HAMDANI
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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LAST REVISION 08-31-12 | DATE PLOTTED => 03-MAY-2013 | TIME PLOTTED => 13:58

BORDER LAST REVISED 7/2/2010 | USERNAME => s124496 | DGN FILE => 0500000055pa009.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1472 | PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	244	343

REGISTERED CIVIL ENGINEER — DATE 12/21/12

PLANS APPROVAL DATE 4-29-13

JONATHAN D. GLEDHILL No. 66162 Exp 6/30/14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

TEMPORARY DRAINAGE INLET PROTECTION

DRAINAGE SYSTEM No.	DRAINAGE UNIT No.	DRAINAGE PLAN SHEET No.	Temp DI PROTECTION EA	LOCATION
T1	b	SC-61	1	"C" 326+01.30, 47.77′ L+
T1	d		1	"C" 342+49.98, 70.95′ R+
T1	g		1	"C" 331+49.65, 58.58′ L+
T2	c		1	"C" 332+99.64, 54.84′ L+
T2	e		1	"C" 334+49.54, 49.48′ L+
T2	g		1	"C" 336+49.48, 42.33′ L+
T5	c	SC-61	1	"C" 331+84.60, 5.70′ R+
T3	d	SC-62	1	"C" 340+99.99, 69.07′ R+
T3	f		1	"C" 342+49.98, 70.95′ R+
T4	b		1	"C" 344+90.29, 71.54′ R+
T4	d	SC-62	1	"C" 346+59.75, 71.44′ R+
1	a	D-2	1	"C" 329+20.00, 45.0′ L+
1	c		1	"C" 330+30.00, 45.0′ L+
1	e		1	"C" 331+20.00, 45.0′ L+
10	a		1	"C" 333+49.01, 71.82′ R+
10	c		1	"C" 336+20.00, 68.1′ R+
2	b		1	"C" 332+50.00, 44.47′ L+
	d		1	"C" 333+00.00, 3.03′ L+
	f		1	"C" 334+00.00, 3.03′ L+
	h		1	"C" 335+00.00, 3.03′ L+
	j		1	"C" 336+00.00, 3.03′ L+
	m		1	"C" 337+00.00, 3.03′ L+
	o		1	"C" 338+00.00, 3.03′ L+
	q		1	"C" 339+00.00, 3.03′ L+
	s		1	"C" 332+50.00, 44.5′ L+
	u		1	"C" 332+70.00, 45.0′ L+
	w		1	"C" 334+00.00, 45.0′ L+
	y		1	"C" 335+85.00, 45.0′ L+
	aa		1	"C" 336+00.00, 45.0′ L+
	ac		1	"C" 336+15.00, 45.0′ L+
2	ae	D-2	1	"C" 338+00.00, 45.0′ L+
3	a	D-3	1	"C" 342+98.5, 0.87′ R+
3	c		1	"C" 342+98.5, 66.0′ R+
3	e		1	"C" 343+98.5, 66.0′ R+
4	a		1	"C" 346+01.5, 0.78′ R+
4	c		1	"C" 346+01.5, 59.64′ R+
5	c		1	"CR" 44+95.00, 22.12′ R+
5	e		1	"CR" 44+95.00, 32.52′ R+
6	c		1	"C" 344+88.8, 66.0′ R+
7	a		1	"CR" 43+91.76, 33.81′ L+
8	c		1	"CR" 44+97.75, 33.73′ L+
9	a		1	"CR" 43+95.00, 32.46′ R+
9	c	D-3	1	"CR" 43+95.00, 24.0′ R+
TOTAL			43	

SAFETY EDGE

LOCATION		CASE (N) A	CASE (N) K	* HMA (TYPE A)	SHEET No.
FROM	TO	LF	LF	TON	
"C" 323+65.00	"C" 325+38.79 R+		173.8	4.9	X-1
"C" 340+90.00	"C" 343+91.36 R+		301.4	20.5	X-5,6
"C" 344+98.36	"C" 353+00.00 R+		801.6	22.5	X-7
"C" 338+44.61	"C" 343+65.00 L+	520.4		1.5	X-6
"C" 343+65.00	"C" 343+91.36 L+		26.4	0.7	X-6
"C" 344+98.36	"C" 354+00.00 L+		901.6	25.4	X-7
TOTALS		520.4	2,204.8	*75.5	

(N) NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.
* QUANTITY INCLUDED IN HMA, ROADWAY QUANTITIES TABLE.

TEMPORARY GRAVEL BAG BERM

STATION	LF
"C" 322+00.00 TO 354+00.00	958
TOTAL	958

TEMPORARY HYDRAULIC MULCH (BONDED FIBER MATRIX)

STATION	SQYD
"C" 322+00.00 TO 354+00.00	27,000
TOTAL	27,000

TEMPORARY FIBER ROLL

STATION	LF
"C" 322+00.00 TO 354+00.00	10,000
TOTAL	10,000

NOTE: TEMPORARY FIBER ROLL INSTALLATION SHALL BE TYPE II

TEMPORARY LARGE SEDIMENT BARRIER

STATION	LF
"C" 322+00.00 TO 354+00.00	3,500
TOTAL	3,500

NOTE: TEMPORARY LARGE SEDIMENT BARRIER INSTALLATION SHALL BE TYPE II

TEMPORARY CHECK DAMS

STATION	LF
"C" 322+00.00 TO 354+00.00	30
TOTAL	30

TEMPORARY CONSTRUCTION ENTRANCE

STATION	EA
"C" 322+00.00 TO 354+00.00	6
TOTAL	6

NOTE: TEMPORARY CONSTRUCTION ENTRANCE INSTALLATION SHALL BE TYPE II

TEMPORARY SILT FENCE

STATION	LF
LAS VEGAS CREEK	50
SAN PEDRO CREEK	50
TOTAL	100

SUMMARY OF QUANTITIES
Q-10

REVISED BY | DATE REVISED
GERARDO GOMEZ | JONATHAN D. GLEDHILL
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: FOAD N AL-HAMDANI
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 06-DESIGN

LAST REVISION 08-31-12 | DATE PLOTTED => 03-MAY-2013 | TIME PLOTTED => 13:58

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	245	343

Katherine Brown
LICENSED LANDSCAPE ARCHITECT

4-29-13
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
KATHERINE BROWN No. 5029
Signature
05-31-14
Renewal Date
02-28-12
Date
STATE OF CALIFORNIA

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

NOTE:

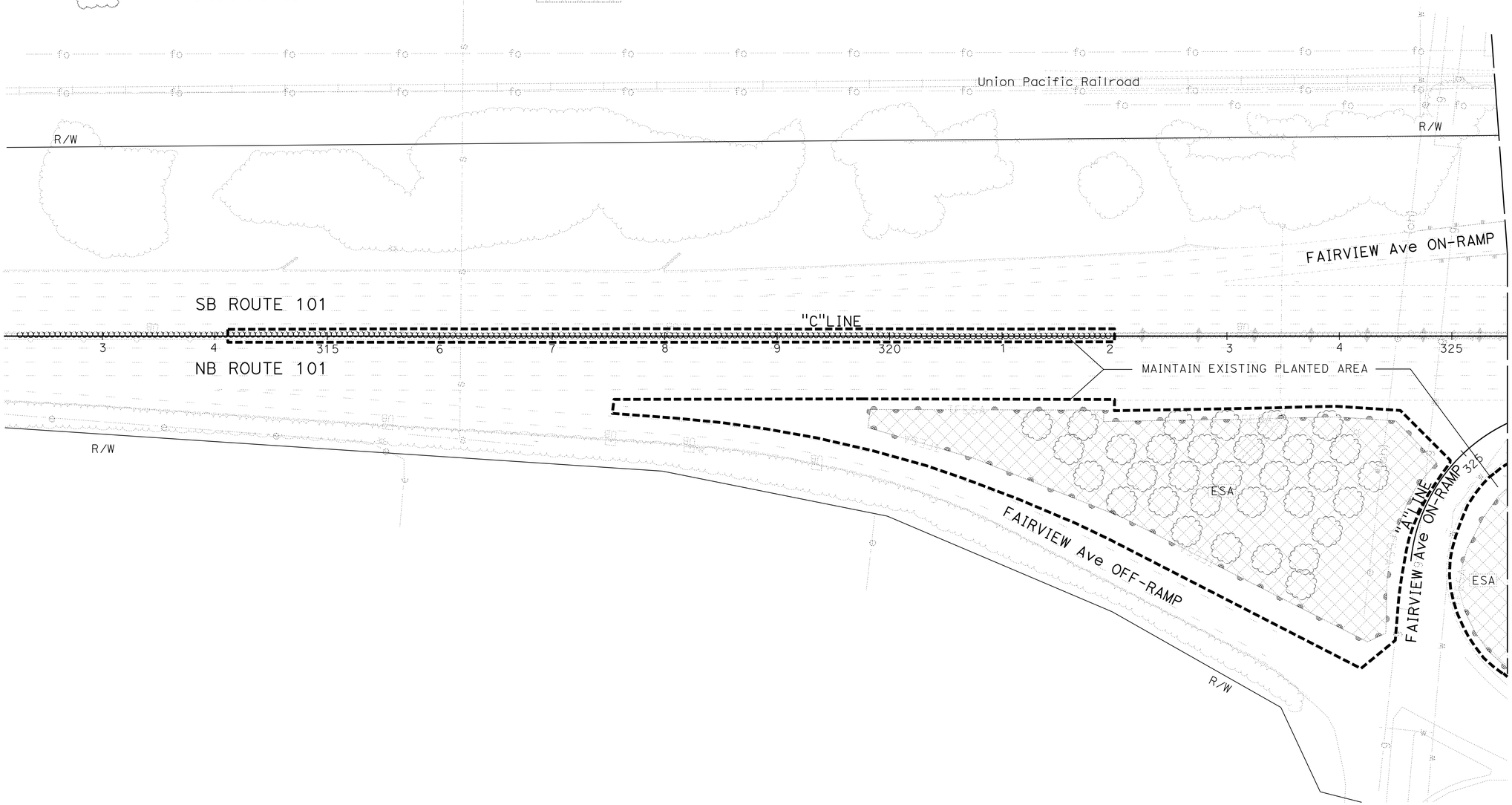
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

LEGEND

EXISTING TREE

EXISTING SHRUB

ESA — ENVIRONMENTALLY SENSITIVE AREA



MAINTAIN EXISTING PLANTS PLAN

SCALE: 1" = 50'

MA-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans ® LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: DENNIS REEVES

CALCULATED-DESIGNED BY: KATHERINE BROWN

CHECKED BY: JOSEPH ARNOLD

REVISED BY | DATE REVISED

LAST REVISION: DATE PLOTTED => 06-MAY-2013
TIME PLOTTED => 05:42
01-31-13

BORDER LAST REVISED 7/2/2010

USERNAME => s124496
DGN FILE => 0500000055sf001.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1502

PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	246	343

Katherine Brown
LICENSED LANDSCAPE ARCHITECT

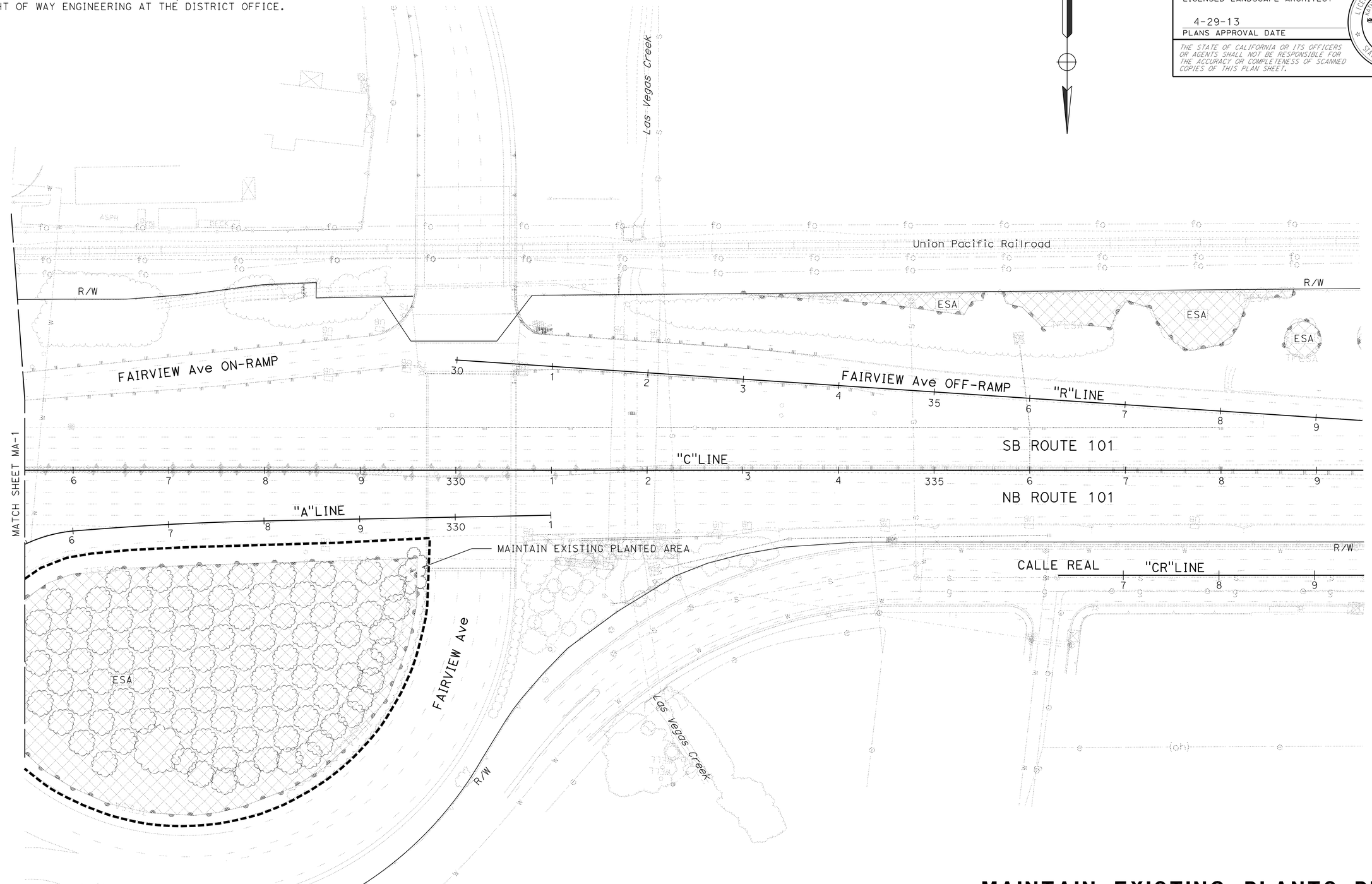
4-29-13
PLANS APPROVAL DATE

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.

LICENSED LANDSCAPE ARCHITECT
KATHERINE BROWN No. 5029
Signature
05-31-14
Renewal Date
02-28-12
Date
STATE OF CALIFORNIA

NOTE:

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



MAINTAIN EXISTING PLANTS PLAN

SCALE: 1" = 50'

MA-2

REVISED BY | DATE REVISED
KATHERINE BROWN | JOSEPH ARNOLD
CALCULATED-DESIGNED BY | CHECKED BY
SENIOR LANDSCAPE ARCHITECT | DENNIS REEVES
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

LAST REVISION | DATE PLOTTED => 06-MAY-2013
01-31-13 | TIME PLOTTED => 05:42

BORDER LAST REVISED 7/2/2010 | USERNAME => s124496 | DGN FILE => 0500000055sf002.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1502 | PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	247	343

Katherine Brown
LICENSED LANDSCAPE ARCHITECT

4-29-13
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
KATHERINE BROWN No. 5093
Signature
05-31-14
Renewal Date
02-28-12
Date
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:

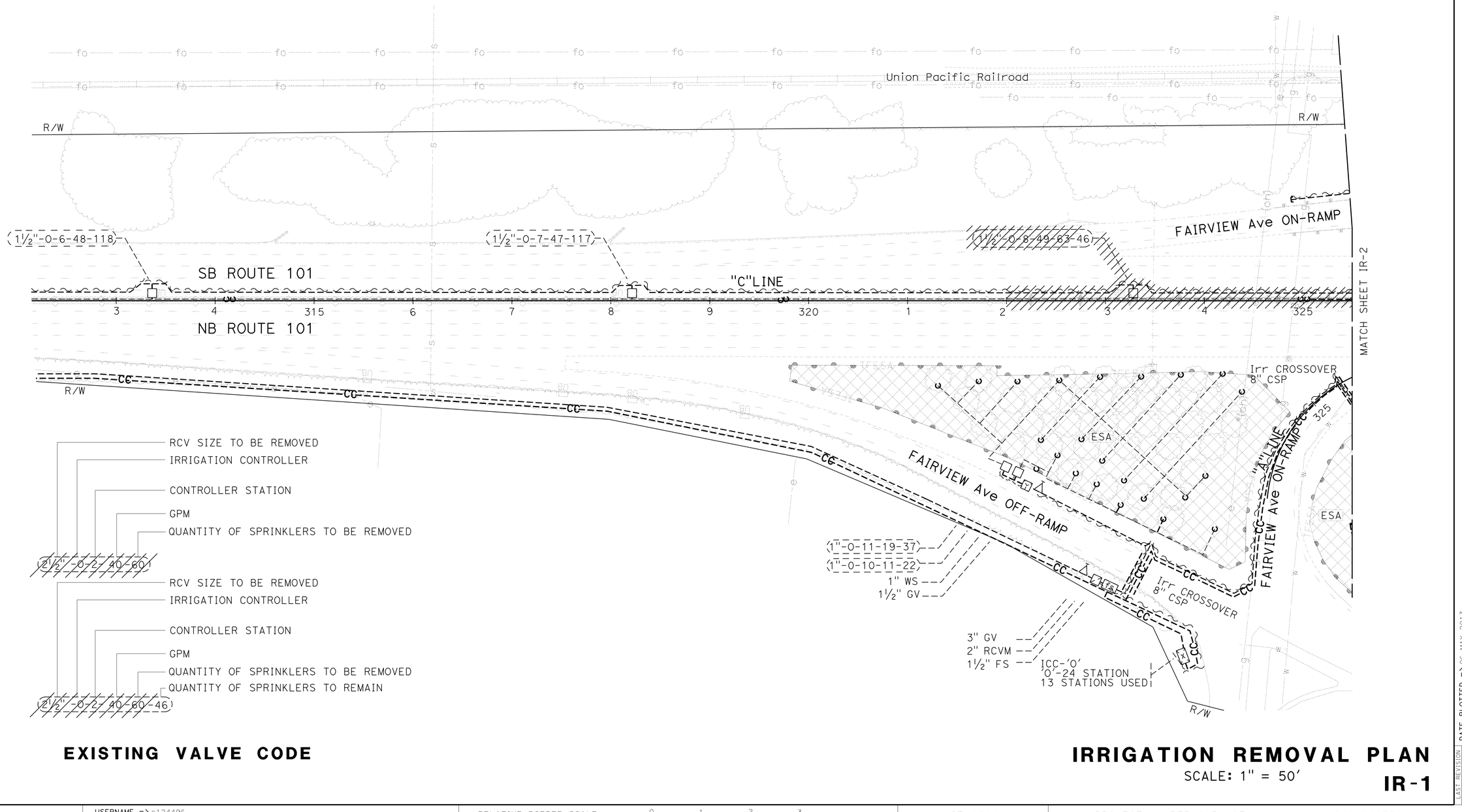
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. CHECK AND TEST EXISTING IRRIGATION FACILITIES MUST INCLUDE;
   A. MANUALLY OPERATING EXISTING CONTROLLER STATIONS 'O'-1 THROUGH 'O'-13 TO CHECK REMOTE CONTROL VALVE AND ASSOCIATED CONTROL AND NEUTRAL CONDUCTORS ARE FUNCTIONING. RCV 'O'-1 THROUGH 'O'-5 ARE NOT SHOWN ON PLANS AND ARE LOCATED IN THE MEDIAN FROM APPROXIMATELY 287+50 TO 307+50.
   B. MANUALLY OPERATING EXISTING CONTROLLER STATIONS 'O'-7,'O'-8, AND 'O'-10 THROUGH 'O'-13 TO CHECK SPRINKLERS FOR PROPER OPERATION.

LEGEND

REMOVE IRRIGATION FACILITY

---CC---- EXISTING COMMUNICATION CABLE

ESA — ENVIRONMENTALLY SENSITIVE AREA



EXISTING VALVE CODE

IRRIGATION REMOVAL PLAN

SCALE: 1" = 50'

IR-1

LAST REVISION | DATE PLOTTED => 06-MAY-2013 | 01-31-13 | TIME PLOTTED => 05:42

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
LANDSCAPE ARCHITECTURE
SENIOR LANDSCAPE ARCHITECT
DENNIS REEVES
CALCULATED-DESIGNED BY
CHECKED BY
KATHERINE BROWN
JOSEPH ARNOLD
REVISED BY
DATE REVISED

BORDER LAST REVISED 7/2/2010 | USERNAME => s124496 | DGN FILE => 0500000055sn001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1502 | PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	248	343

Katherine Brown
LICENSED LANDSCAPE ARCHITECT

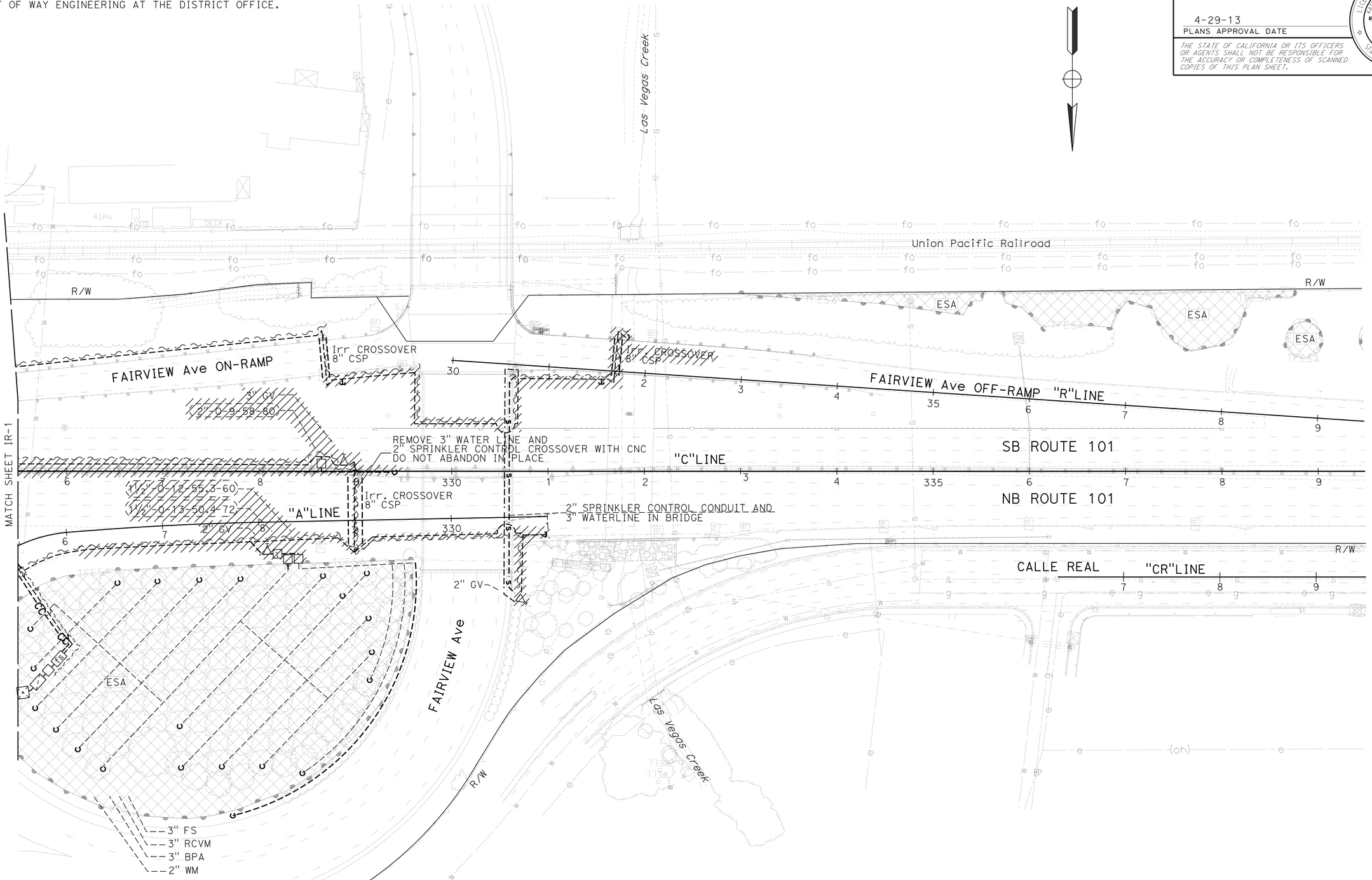
4-29-13
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
KATHERINE BROWN No. 5093
Signature
05-31-14
Renewal Date
02-28-12
Date
STATE OF CALIFORNIA

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

NOTE:

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



IRRIGATION REMOVAL PLAN

SCALE: 1" = 50'

IR-2

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: KATHERINE BROWN
CHECKED BY: JOSEPH ARNOLD
SENIOR LANDSCAPE ARCHITECT: DENNIS REEVES

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
LANDSCAPE ARCHITECTURE

LAST REVISION | DATE PLOTTED => 06-MAY-2013
01-31-13 | TIME PLOTTED => 05:42

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	249	343

Katherine Brown
LICENSED LANDSCAPE ARCHITECT

4-29-13
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
KATHERINE BROWN NO. 5293
Signature
05-31-14
Renewal Date
02-28-12
Date
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. CONTRACTOR TO MAINTAIN CONTINUOUS WATER SUPPLY THROUGHOUT PROJECT TO EXISTING MEDIAN PLANTING SOUTH OF FAIRVIEW Ave OVER CROSSING (VALVE 'O'-8 TO VALVE 'O'-1).
3. PLASTIC PIPE (SUPPLY LINE)(MAIN) TO BE 3".
4. INSTALL RCV 'O'-8 AND ASSOCIATED BALL VALVE AT SAME TIME TEMPORARY IRRIGATION LINE IS INSTALLED. RCV AND BALL VALVE ARE TO REMAIN AFTER TEMPORARY IRRIGATION LINE IS REMOVED
5. MAINTAIN EXISTING IRRIGATION FACILITIES MUST INCLUDE RCV'S 'O'-7, 'O'-10 TO 'O'-13 AND ASSOCIATED SPRINKLERS.
6. THE IRRIGATION SYSTEM FUNCTION TEST MUST INCLUDE:
   A) FACILITIESTHAT WERE INCLUDED IN THE CHECK AND TEST EXISTING IRRIGATION FACILITIES.
   B) NEW FACILITIES.
7. USE ARMOR-CLAD CONDUCTORS IN DIRECT BURIAL APPLICATIONS FROM PULL BOXES ADJACIENT TO IRRIGATION CONTROLLER TO REMOTE CONTROL VALVES AND OTHER IRRIGATOLION FACILITIES.

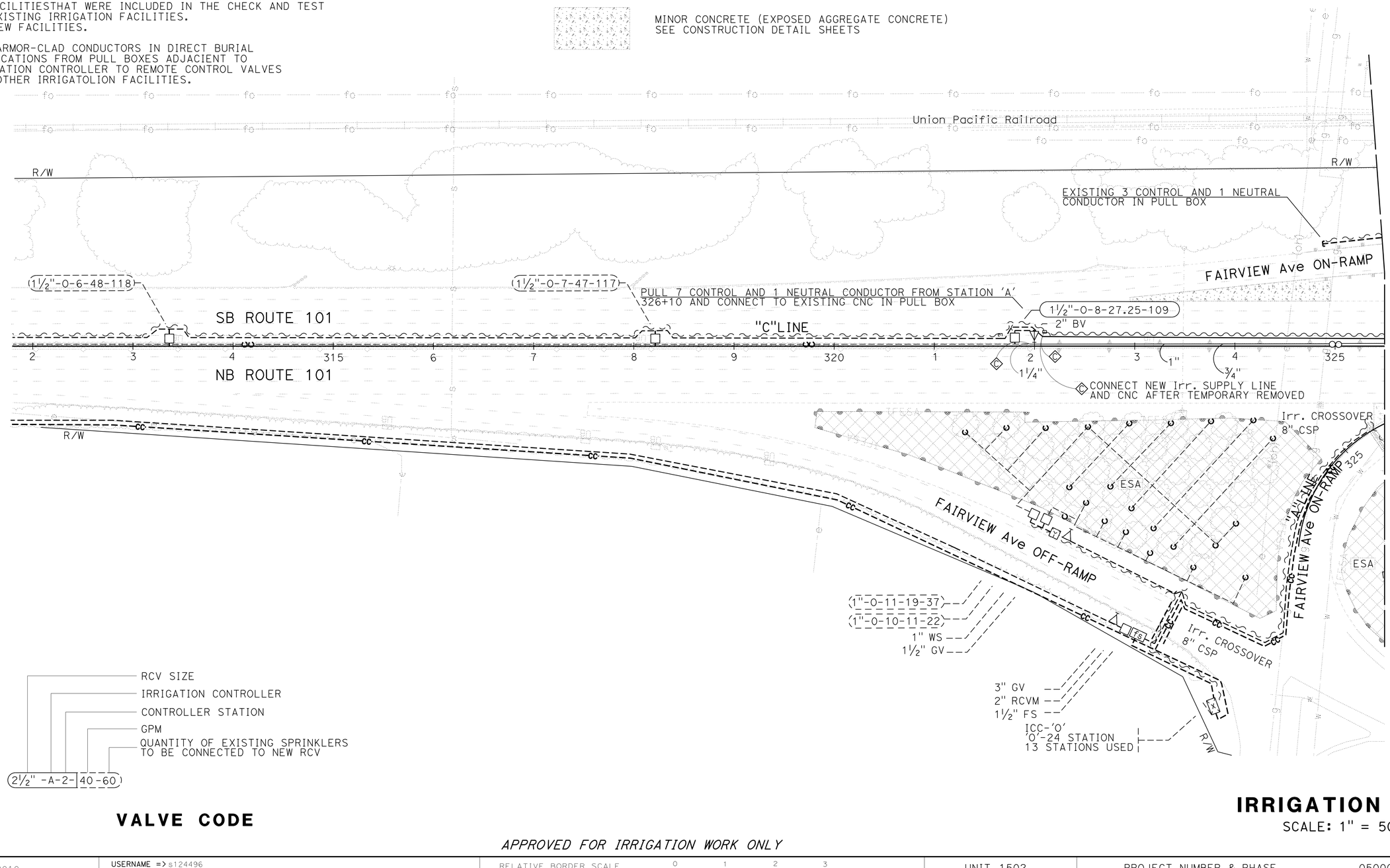
LEGEND

-·-cc-·- EXISTING COMMUNICATION CABLE

ESA — ENVIRONMENTALLY SENSITIVE AREA

ROCK SLOPE PROTECTION
SEE DRAINAGE SHEETS

MINOR CONCRETE (EXPOSED AGGREGATE CONCRETE)
SEE CONSTRUCTION DETAIL SHEETS



VALVE CODE

IRRIGATION PLAN

SCALE: 1" = 50'

IP-1

APPROVED FOR IRRIGATION WORK ONLY

LAST REVISION | DATE PLOTTED => 06-MAY-2013
01-31-13 | TIME PLOTTED => 07:15

REVISED BY | DATE REVISED

KATHERINE BROWN | CALCULATED-DESIGNED BY
JOSEPH ARNOLD | CHECKED BY

SENIOR LANDSCAPE ARCHITECT
DENNIS REEVES

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

BORDER LAST REVISED 7/2/2010 | USERNAME => s124496 | DGN FILE => 0500000055sp001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1502 | PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	250	343

Katherine Brown
LICENSED LANDSCAPE ARCHITECT

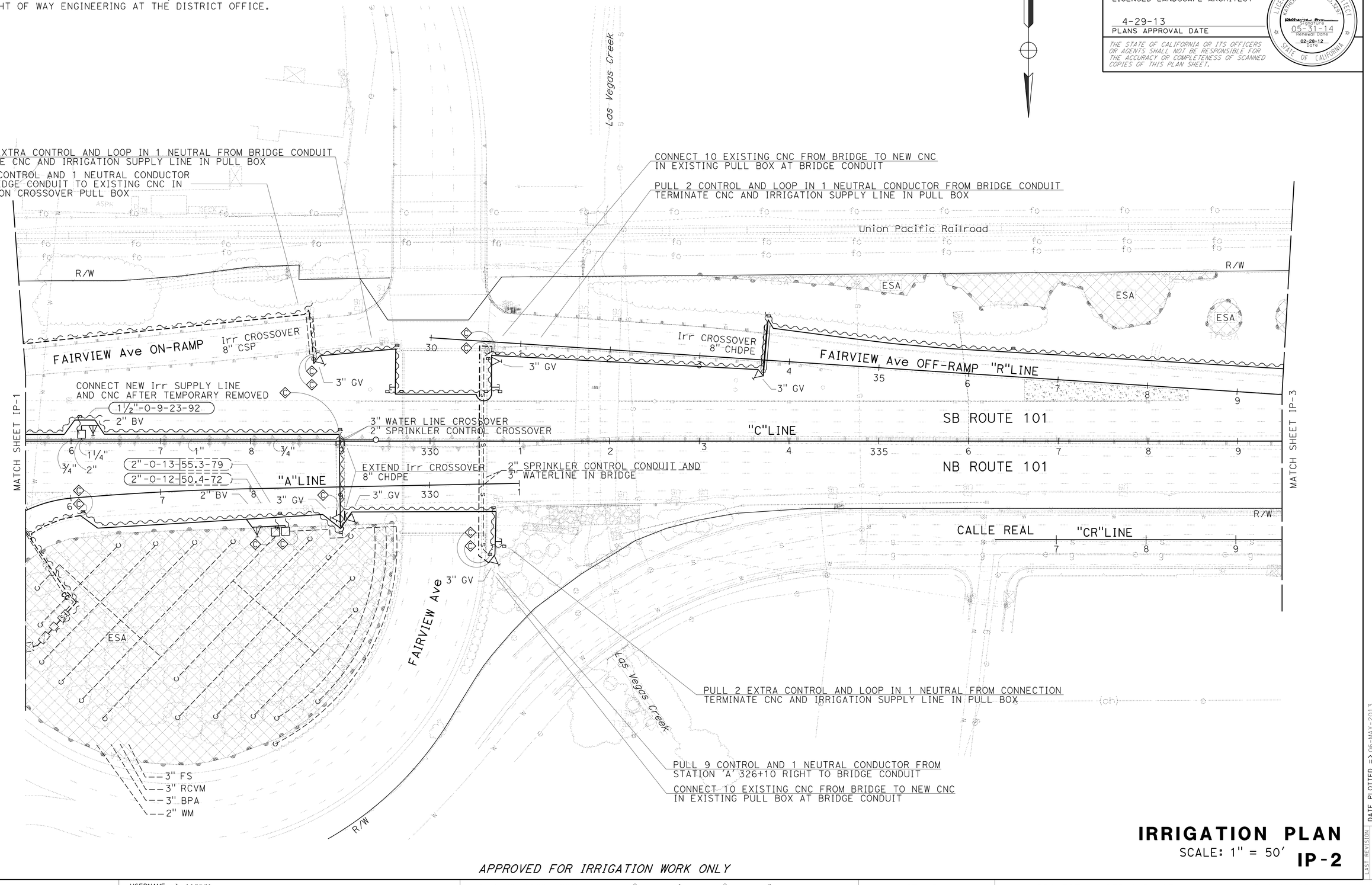
4-29-13
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
KATHERINE BROWN No. 5529
Signature
05-31-14
Renewal Date
02-28-12
Date
STATE OF CALIFORNIA

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

NOTE:

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



IRRIGATION PLAN

SCALE: 1" = 50'

IP-2

APPROVED FOR IRRIGATION WORK ONLY

LAST REVISION DATE PLOTTED => 06-MAY-2013
01-31-13 TIME PLOTTED => 07:06

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY: KATHERINE BROWN
CHECKED BY: JOSEPH ARNOLD

SENIOR LANDSCAPE ARCHITECT: DENNIS REEVES

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

BORDER LAST REVISED 7/2/2010

USERNAME => s119571
DGN FILE => 0500000055sp002.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1502

PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	251	343

Katherine Brown
LICENSED LANDSCAPE ARCHITECT

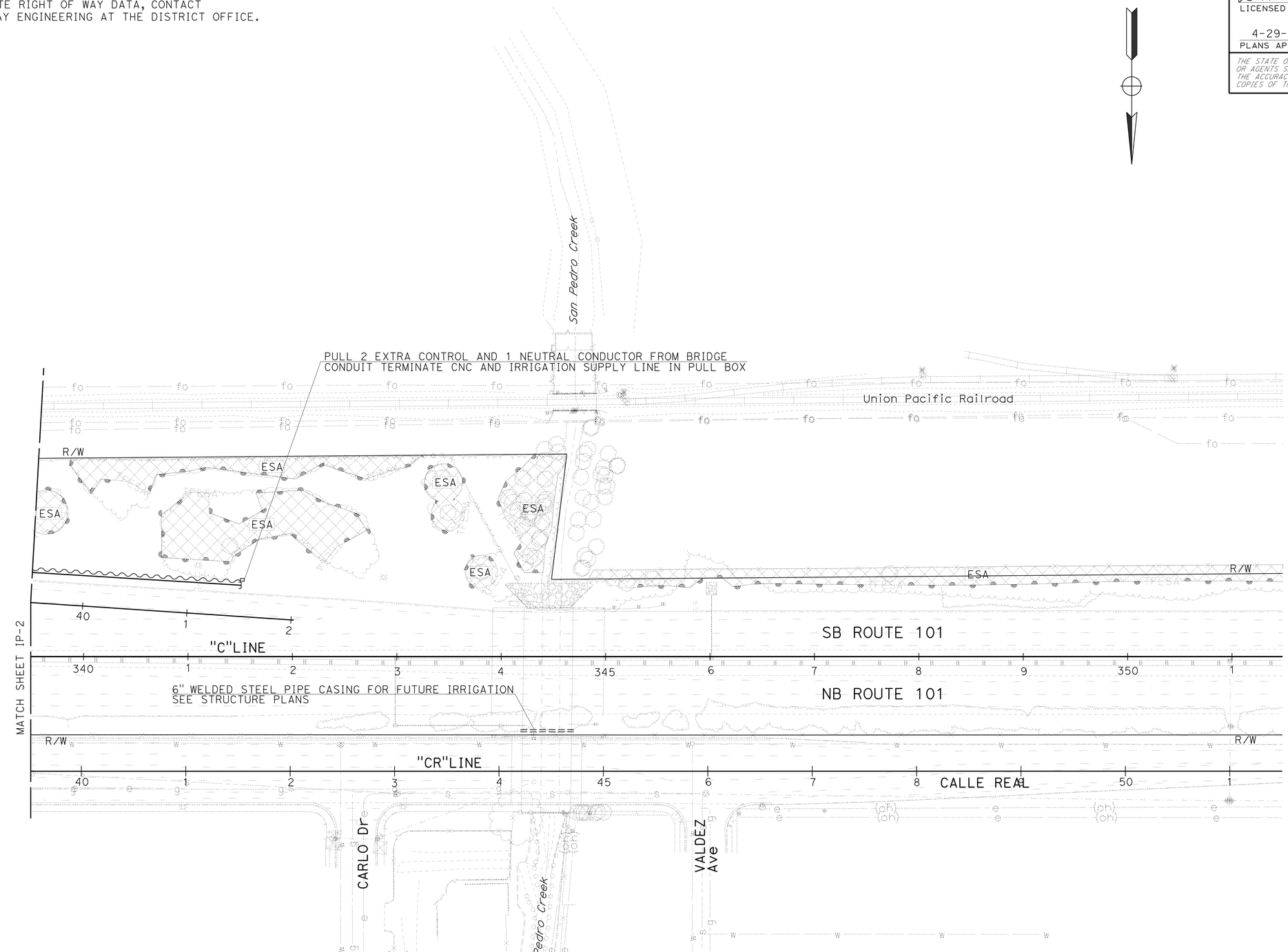
4-29-13
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
KATHERINE BROWN No. 5639
Signature
05-31-14
Renewal Date
02-28-12
Date
STATE OF CALIFORNIA

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

NOTE:

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



APPROVED FOR IRRIGATION WORK ONLY

IRRIGATION PLAN

SCALE: 1" = 50' **IP-3**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
LANDSCAPE ARCHITECTURE
SENIOR LANDSCAPE ARCHITECT: DENNIS REEVES
CALCULATED-DESIGNED BY: KATHERINE BROWN
CHECKED BY: JOSEPH ARNOLD
REVISED BY
DATE REVISED

LAST REVISION
DATE PLOTTED => 06-MAY-2013
TIME PLOTTED => 07:05
01-31-13

BORDER LAST REVISED 7/2/2010
USERNAME => s114937
DGN FILE => 0500000055sp003.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1502
PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	252	343

Katherine Brown
LICENSED LANDSCAPE ARCHITECT

4-29-13
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
KATHERINE BROWN No. 5029
Signature
05-31-14
Renewal Date
02-28-12
Date
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.

SPRINKLER SCHEDULE

SYMBOL	TYPE	DESCRIPTION	SPRAY PATTERN	OPERATING PRESSURE (psi)	PRESSURE COMPENSATING	PLUS/MINUS 5% ②				MATERIAL	INLET CONNECTION (NPT INCH)	POSITIVE-LOCKING Adj ARC STOP	BACKSPLASH PREVENTER	DIFFUSER PIN	DISTANCE CONTROL FLAP	Adj DISCHARGE	RISER						⑤	RISER SUPPORT	SPRINKLER PROTECTOR (TYPE)	REMARKS
						DISCHARGE											TYPE	MATERIAL		SIZE (IPS INCH)	HEIGHT (INCH)	FLOW SHUTOFF DEVICE	SWING JOINT (TYPE)				
						GALLONS PER MINUTE (GPM)	GALLONS PER HOUR (GPH)	RADIUS (ft)	WIDTH x LENGTH (ft)									PLASTIC	GALVANIZED							
O	C-2	BUBBLER	F	30	-	1.6	-	-	-	PL	1/2	-	-	-	-	X	V	-	-	1/2	-	-	-	-	-	LOCATE 5' ON CENTER

X IN BOX DENOTES REQUIREMENT

APPLICABLE WHEN CIRCLED BELOW:

1 - SEE SPECIAL PROVISIONS.
2 - IF A PRESSURE COMPENSATING DEVICE IS SPECIFIED, THE DISCHARGE AND RADII SHOWN REFLECT ITS USE.
3 - ARC STOP SHALL BE FITTED WITH A NUT AND BOLT.
4 - VINYL-COATED CAST IRON HOUSING.
5 - SWING JOINTS REQUIRED ADJACENT TO SHOULDERS, CURBS, SIDEWALKS, AND DIKES.
6 - UNLESS OTHERWISE SHOWN ON PLANS.

IRRIGATION SPRINKLER SCHEDULE
ISS-1

CALCULATED-DESIGNED BY: KATHERINE BROWN
CHECKED BY: JOSEPH ARNOLD
REVISED BY
DATE REVISED

SENIOR LANDSCAPE ARCHITECT: DENNIS REEVES

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

LAST REVISION: DATE PLOTTED => 06-MAY-2013
01-31-13 TIME PLOTTED => 07:05

BORDER LAST REVISED 7/2/2010
USERNAME => s114937
DGN FILE => 0500000055sm001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1502
PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	253	343

Katherine Brown
LICENSED LANDSCAPE ARCHITECT

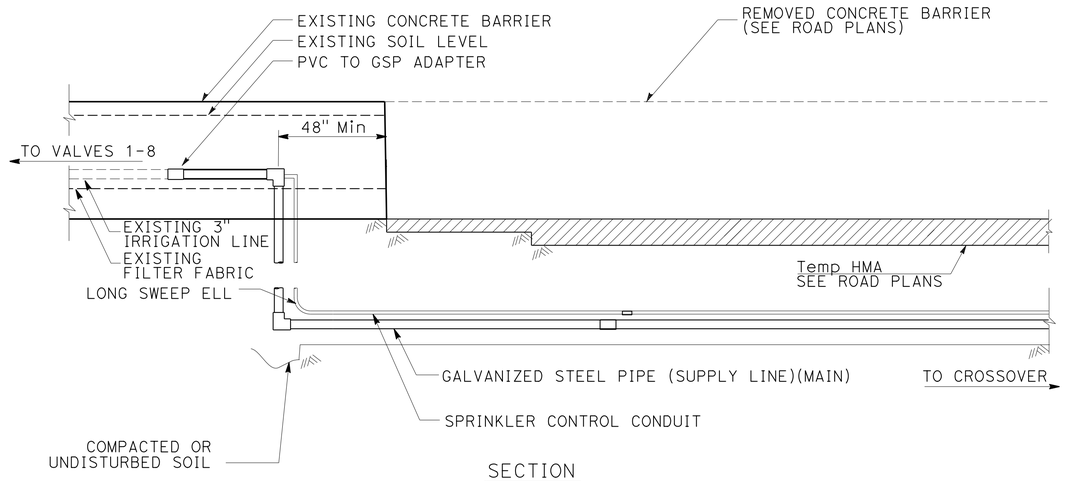
4-29-13
PLANS APPROVAL DATE

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.

LICENSED LANDSCAPE ARCHITECT
KATHERINE BROWN No. 5629
Signature
05-31-14
Renewal Date
02-28-12
Date
STATE OF CALIFORNIA

NOTES:

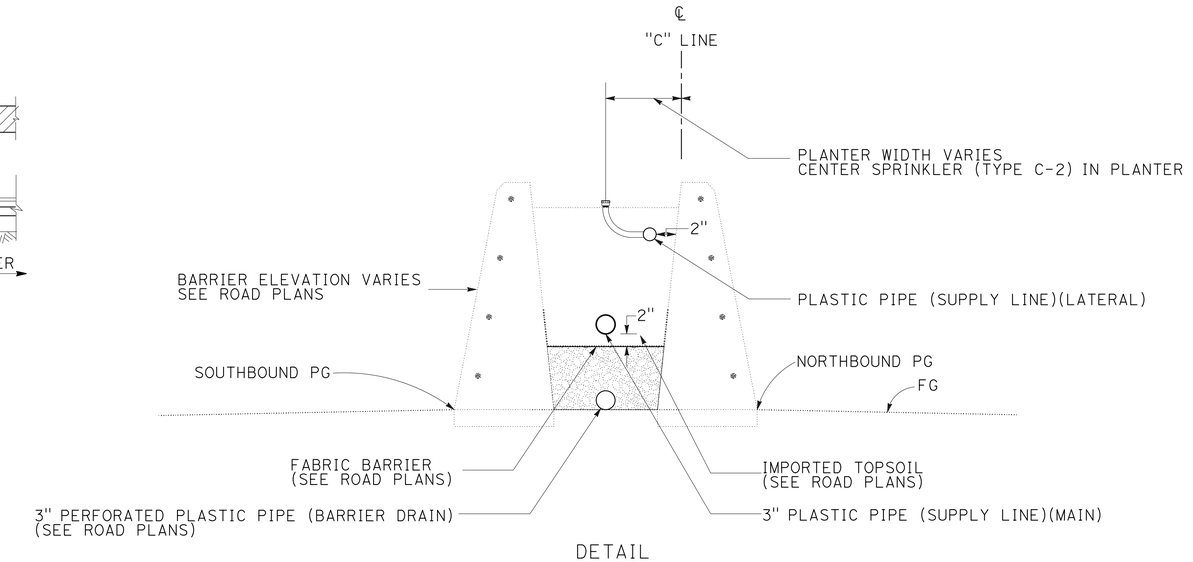
1. TEMPORARY IRRIGATION LINE TO BE REMOVED.
2. TEMPORARY IRRIGATION LINE INCLUDES MAIN, SCC AND CNC.
3. INSTALL RCV '0'-8 AND ASSOCIATED BALL VALVE AT SAME TIME TEMPORARY IRRIGATION LINE IS INSTALLED. RCV AND BALL VALVE ARE TO REMAIN AFTER TEMPORARY IRRIGATION LINE IS REMOVED.



SECTION

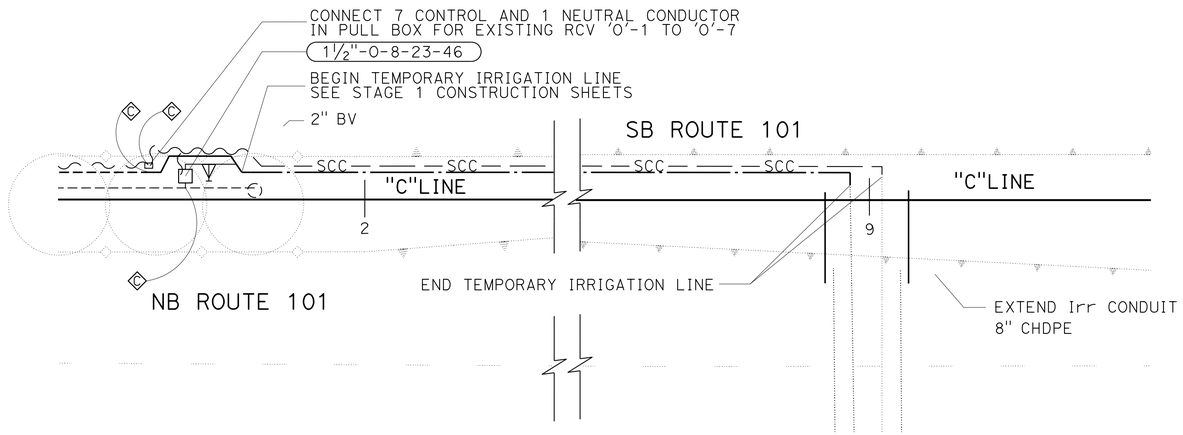
TEMPORARY IRRIGATION LINE

"C" 322+10 TO "C" 329+00



DETAIL

MAIN AND LATERAL LINE IN MEDIAN



PLAN

TEMPORARY IRRIGATION LINE

"C" 322+10 TO "C" 329+00

IRRIGATION DETAILS

NO SCALE

ID-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE
SENIOR LANDSCAPE ARCHITECT: DENNIS REEVES
CALCULATED-DESIGNED BY: KATHERINE BROWN
CHECKED BY: JOSEPH ARNOLD
REVISED BY
DATE REVISED

LAST REVISION | DATE PLOTTED => 06-MAY-2013 | TIME PLOTTED => 07:05
01-31-13

BORDER LAST REVISED 7/2/2010 | USERNAME => s114937 | DGN FILE => 0500000055sq001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1502 | PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	254	343

Katherine Brown
LICENSED LANDSCAPE ARCHITECT

4-29-13
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
KATHERINE BROWN No. 5631
Signature
05-31-14
Renewal Date
02-28-12
Date
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.

SUBTOTALS PER VALVE ON LATERAL SUPPLY SIDE OF CONTROL VALVE

DESCRIPTION			UNIT	VALVE OR ASSEMBLY NUMBER								SUBTOTALS	UNIT	DESCRIPTION		
				0-8	0-9	0-10	0-11	0-12	0-13							
PLASTIC PIPE SUPPLY LINE	SCH 40	¾"	LF	109	214							323	LF	¾"	SCH 40	PLASTIC PIPE SUPPLY LINE
		1"	LF	58	102							160	LF	1"		
		1¼"	LF	145	121							266	LF	1¼"		
		1½"	LF	15	8							23	LF	1½"		
		2"	LF	5	5			10	10			30	LF	2"		
SPRINKLER TYPE		C-2	EA	63	92							155	EA	C-2		SPRINKLER TYPE

SUBTOTALS PER PLAN SHEET ON MAIN SUPPLY SIDE OF CONTROL VALVE

DESCRIPTION			UNIT	SHEET NUMBER					SUBTOTALS
				IP-1	IP-2	IP-3			
VALVES AND ASSEMBLIES	RCV	2"	EA		2				2
		1½"	EA	1	1				2
	BV	2"	EA	1	2				3
	GV	3"	EA		6				6
PLASTIC PIPE SUPPLY LINE	SCH 40	2"	LF	8	24				32
		3"	LF	362	2148	200			2710

TOTAL QUANTITIES

TOTALS	UNIT	DESCRIPTION		
2	EA	2"	RCV	VALVES AND ASSEMBLIES
2	EA	1½"		
3	EA	2"	BV	
6	EA	3"	GV	
323	LF	¾"	SCH 40	PLASTIC PIPE SUPPLY LINE
160	LF	1"		
266	LF	1¼"		
23	LF	1½"		
62	LF	2"		
2710	LF	3"		
155	EA	C-2		SPRINKLER TYPE

IRRIGATION QUANTITIES

IQ-1

LAST REVISION
DATE PLOTTED => 06-MAY-2013
TIME PLOTTED => 06:00
01-31-13

REVISED BY | DATE REVISED
KATHERINE BROWN | JOSEPH ARNOLD
CALCULATED-DESIGNED BY | CHECKED BY
SENIOR LANDSCAPE ARCHITECT
DENNIS REEVES
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

BORDER LAST REVISED 7/2/2010
USERNAME => s124496
DGN FILE => 0500000055sr001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1502
PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	255	343

Katherine Brown
LICENSED LANDSCAPE ARCHITECT

4-29-13
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
KATHERINE BROWN No. 5031
Signature
05-31-14
Renewal Date
02-28-12
Date
STATE OF CALIFORNIA

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

TEMPORARY IRRIGATION LINE

SHEET	TEMPORARY IRRIGATION SUPPLY LINE	(N) 3" GALVANIZED STEEL PIPE (SUPPLY LINE)(MAIN)	(N) SPRINKLER CONTROL CONDUIT WITH CNC
	LF	LF	LF
IP-1	711	711	711

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

IRRIGATION CROSSOVERS

LOCATION		SIDE		CONDUIT TYPE (3)	(N) WATER LINE CROSSOVER	(N) SPRINKLER CONTROL CROSSOVER
LINE	STATION	L†	R†	SIZE (INCH) 8 LENGTH (LF)	SIZE (INCH)	SIZE (INCH)
LOL "R"	33+70	X	X	30	3	2
TOTAL				30		

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

CONDUIT TYPE:
(APPLICABLE WHEN CIRCLED BELOW AND SHOWN UNDER THE 'CONDUIT TYPE' COLUMN HEADING)

1 BITUMINOUS COATED CORRUGATED STEEL PIPE (0.064 INCH THICK)
2 CORRUGATED STEEL PIPE (0.064 INCH THICK)
(3) CORRUGATED HIGH DENSITY POLYETHYLENE PIPE
4 ALTERNATIVE CONDUIT
5 WELDED STEEL PIPE

EXTEND IRRIGATION CROSSOVERS

LOCATION		SIDE		EXTEND CONDUIT	CB	OL	(N) WATER LINE CROSSOVER	(N) SPRINKLER CONTROL CROSSOVER
LINE	STATION	L†	R†	SIZE (INCH) 8 LENGTH (LF)			SIZE (INCH)	SIZE (INCH)
LOL "A"	329+00	X	X	18	X		3	2
TOTAL				18				

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

ABBREVIATIONS:
CB - COUPLING BAND
OL - OVERLAP

IRRIGATION QUANTITIES
IQ-2

LAST REVISION 01-31-13
DATE PLOTTED => 06-MAY-2013
TIME PLOTTED => 06:00

REVISED BY | DATE REVISED
CALCULATED-DESIGNED BY: KATHERINE BROWN
CHECKED BY: JOSEPH ARNOLD
SENIOR LANDSCAPE ARCHITECT: DENNIS REEVES
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

BORDER LAST REVISED 7/2/2010
USERNAME => s124496
DGN FILE => 0500000055sr002.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1502
PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	256	343

REGISTERED ELECTRICAL ENGINEER — 02-01-13 DATE

4-29-13
PLANS APPROVAL DATE

HASHIM KHALID No. 18054 Exp. 6/30/13 ELECTRICAL — 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.

LEGEND: (FOR SHEETS E-1 AND E-2)

1 Exist 120/240 V, 1Ø, 3-WIRE, TYPE III-AF SERVICE EQUIPMENT ENCLOSURE WITH THE FOLLOWING CIRCUIT BREAKERS:

CTID No. 05511010022590

AMPERES	VOLTS	POLES	NAMEPLATE	METER	PHOTOELECTRIC CONTROL TYPE
30	240	2	LIGHTING	NO	V
20	240	2	SIGN	YES	LC3
15	120	1	CONTROL	NO	——
20	120	1	MVDS	YES	——
15	120	1	SPARE	YES	——

NOTE:

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

ABBREVIATIONS:

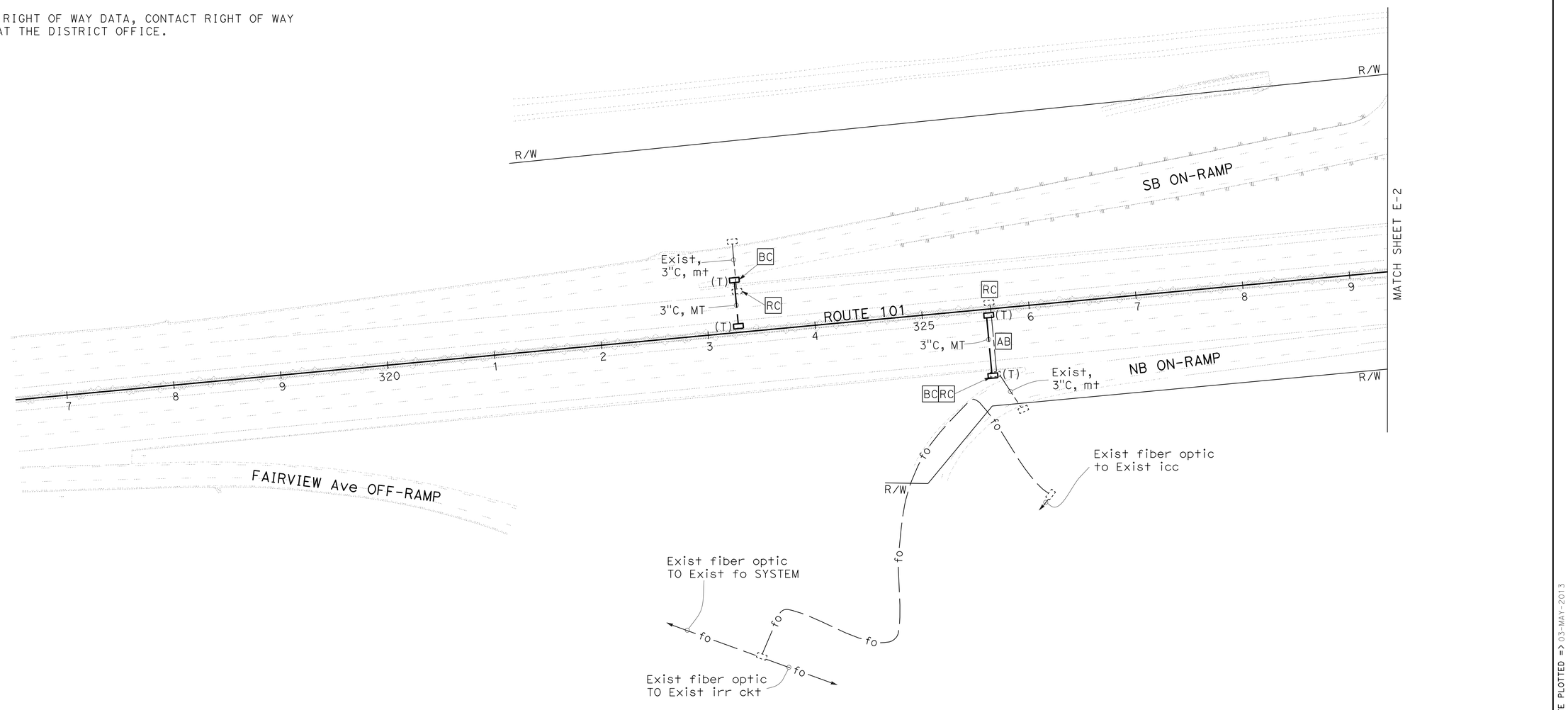
WVDS WIRELESS VEHICLE DETECTION SYSTEM
VSN VEHICLE SENSOR NODE
AP ACCESS POINT FOR VSN

SYMBOLS:

Exist WIRELESS MODEM WITH DIRECTIONAL ANTENNA

Exist ACCESS POINT WITH INTERNAL GPRS MODEM AND ETHERNET ROUTER

Exist VEHICLE SENSOR NODE



APPROVED FOR ELECTRICAL WORK ONLY

MODIFY LIGHTING AND SIGN ILLUMINATION

SCALE: 1" = 50′

E-1

REVISED BY | DATE REVISED
HASHIM KHALID | OMAR MENDOZA
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: ALI BAKHDOUD
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 06-ELECTRICAL DESIGN

LAST REVISION | DATE PLOTTED => 03-MAY-2013
02-01-13 | TIME PLOTTED => 13:50

BORDER LAST REVISED 7/2/2010 | USERNAME => s124496 | DGN FILE => 0500000055ua001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1515 | PROJECT NUMBER & PHASE | 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	257	343

REGISTERED ELECTRICAL ENGINEER — DATE 02-01-13

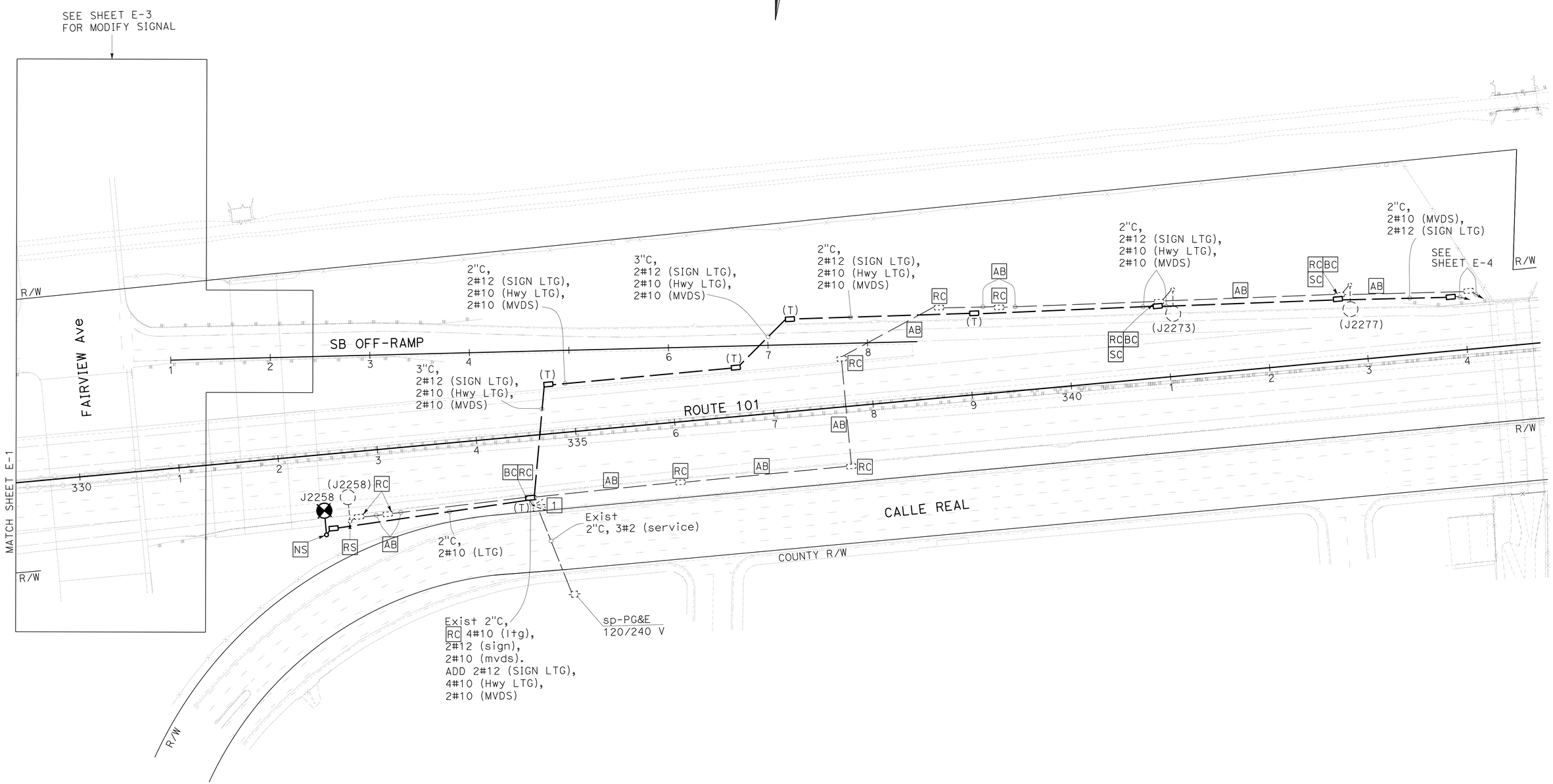
HASHIM KHALID No. 18054 Exp. 6/30/13 REGISTERED PROFESSIONAL ENGINEER STATE OF CALIFORNIA

PLANS APPROVAL DATE 4-29-13

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

NOTE:

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



APPROVED FOR ELECTRICAL WORK ONLY

MODIFY LIGHTING AND SIGN ILLUMINATION

SCALE: 1" = 50'

E-2

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY: HASHIM KHALID
CHECKED BY: OMAR MENDOZA

FUNCTIONAL SUPERVISOR: ALI BAKHDOUD

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 06-ELECTRICAL DESIGN

LAST REVISION | DATE PLOTTED => 03-MAY-2013
02-01-13 | TIME PLOTTED => 13:50

BORDER LAST REVISED 7/2/2010 | USERNAME => s124496 | DGN FILE => 0500000055ua002.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1515 | PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	258	343

REGISTERED ELECTRICAL ENGINEER — 02-01-13 DATE

4-29-13 PLANS APPROVAL DATE

HASHIM KHALID No. 18054 Exp. 6/30/13 ELECTRICAL — 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.

LEGEND: (FOR THIS SHEET ONLY)

1 Exist MODEL 170 CONTROLLER ASSEMBLY.

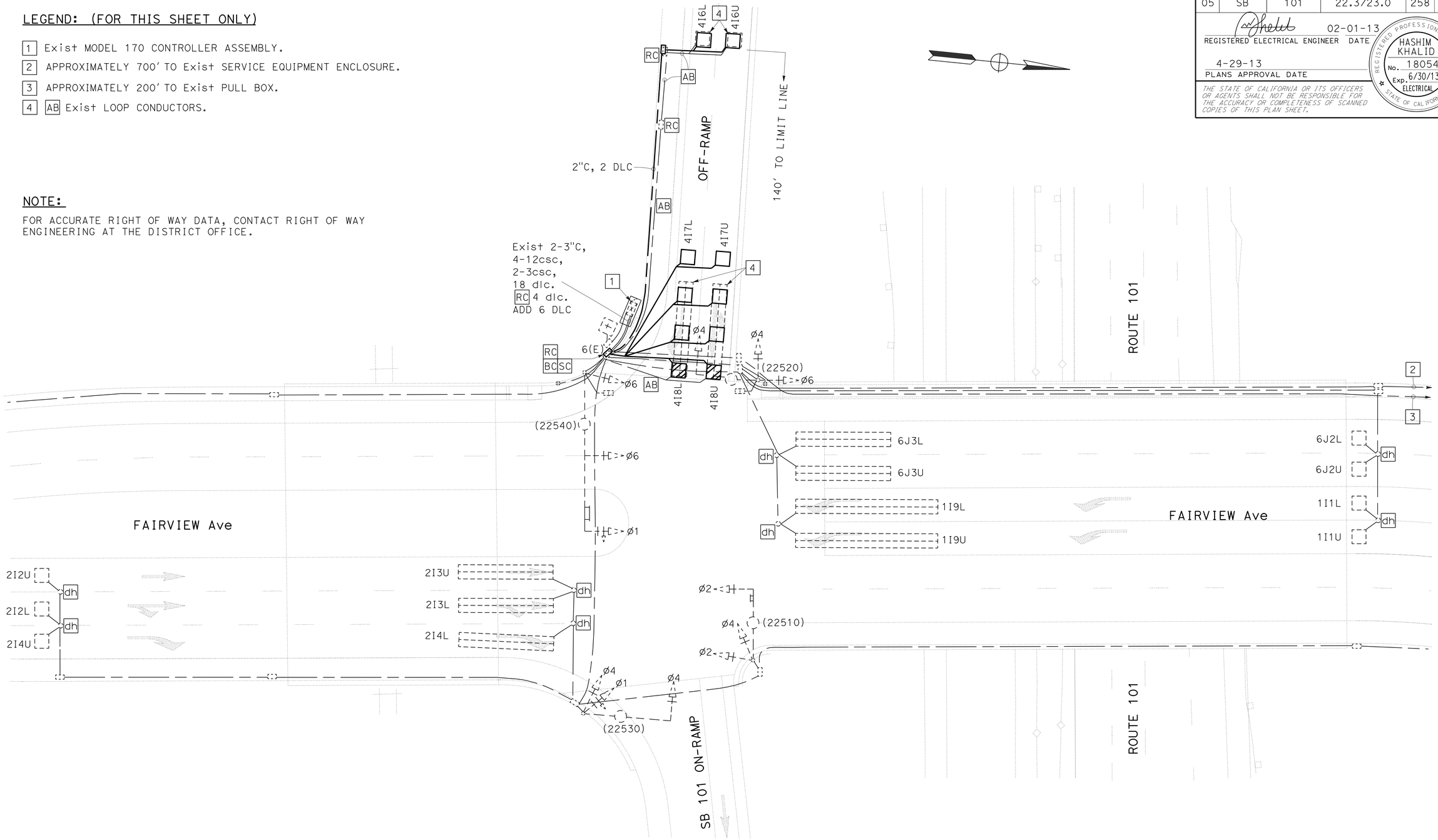
2 APPROXIMATELY 700' TO Exist SERVICE EQUIPMENT ENCLOSURE.

3 APPROXIMATELY 200' TO Exist PULL BOX.

4 AB Exist LOOP CONDUCTORS.

NOTE:

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



MODIFY SIGNAL

SCALE: 1" = 20'

E-3

APPROVED FOR ELECTRICAL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 06-ELECTRICAL DESIGN

FUNCTIONAL SUPERVISOR: ALI BAKHDOUD

CALCULATED-DESIGNED BY: HASHIM KHALID
CHECKED BY: OMAR MENDOZA

REVISED BY | DATE REVISED

LAST REVISION | DATE PLOTTED => 03-MAY-2013
02-01-13 | TIME PLOTTED => 13:50

BORDER LAST REVISED 7/2/2010

USERNAME => s124496
DGN FILE => 0500000055ua003.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1515

PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	259	343

REGISTERED ELECTRICAL ENGINEER — 02-01-13 DATE

HASHIM KHALID No. 18054 Exp. 6/30/13 ELECTRICAL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

4-29-13
PLANS APPROVAL DATE

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

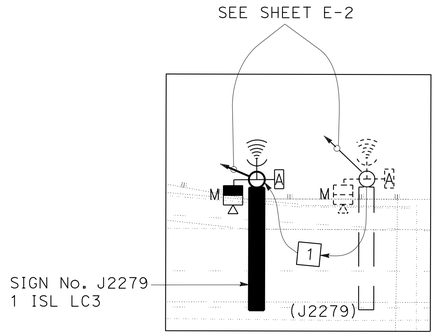
LEGEND: (FOR THIS SHEET ONLY)

1 RL Exist MVDS SENSOR, ACCESS POINT, WIRELESS MODEM, AND NEMA 3R ENCLOSURE FROM Exist SIGN STRUCTURE AT STATION 344+10 TO THE NEW SIGN STRUCTURE AT STATION 344+00.

2 RS Exist VSN.
INSTALL NEW VSN AT A LOCATION DETERMINED BY THE ENGINEER.
SEE VSN INSTALLATION DETAILS ON SHEET E-5.

NOTE:

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



DETAIL A
NO SCALE

MODIFY WIRELESS VEHICLE DETECTION SYSTEM

SCALE: 1" = 50'

E-4

APPROVED FOR ELECTRICAL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 06-ELECTRICAL DESIGN

FUNCTIONAL SUPERVISOR: ALI BAKHDOUD

CALCULATED-DESIGNED BY: HASHIM KHALID
CHECKED BY: OMAR MENDOZA

REVISED BY | DATE REVISED

LAST REVISION: DATE PLOTTED => 03-MAY-2013
02-01-13 TIME PLOTTED => 13:50

BORDER LAST REVISED 7/2/2010

USERNAME => s124496
DGN FILE => 0500000055ua004.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1515

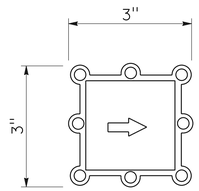
PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	260	343

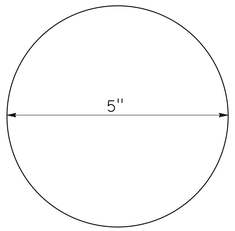
02-01-13
REGISTERED ELECTRICAL ENGINEER DATE

4-29-13
PLANS APPROVAL DATE

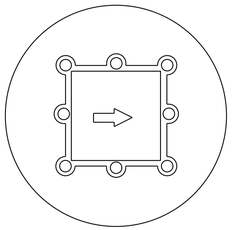
REGISTERED PROFESSIONAL ENGINEER
HASHIM KHALID
No. 18054
Exp. 6/30/13
ELECTRICAL
STATE OF CALIFORNIA



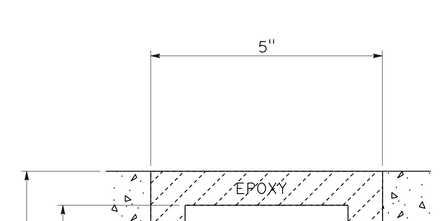
VEHICLE SENSOR NODE



CORED HOLE



VSN IN CORED HOLE



VSN IN CORED HOLE WITH EPOXY
ELEVATION

DETAIL A

VEHICLE SENSOR NODE INSTALLATION DETAIL

APPROVED FOR ELECTRICAL WORK ONLY

ELECTRICAL DETAILS

NO SCALE **E-5**

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: HASHIM KHALID
CHECKED BY: OMAR MENDOZA
FUNCTIONAL SUPERVISOR: ALI BAKHDOUD

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 06-ELECTRICAL DESIGN

LAST REVISION 02-01-13
DATE PLOTTED => 03-MAY-2013
TIME PLOTTED => 13:50

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	261	343

02-01-13
REGISTERED ELECTRICAL ENGINEER DATE

HASHIM KHALID
No. 18054
Exp. 6/30/13
ELECTRICAL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

4-29-13
PLANS APPROVAL DATE

NOTE:

THE QUANTITIES ON THIS SHEET ARE NOT SEPARATE PAY ITEMS AND ARE FOR INFORMATION ONLY.

MODIFY LIGHTING AND SIGN ILLUMINATION

SHEET No.	No. 12 CONDUCTOR	No. 10 CONDUCTOR	No. 8 CONDUCTOR (G)	3"C, TYPE 3	2"C, TYPE 3	No. 5(T) PB	No. 5 PB	TYPE 31 ELECTROLIER NS	TYPE 31 POLE CIDH PILE
	LF	LF	LF	LF	LF	EA	EA	EA	EA
E-1				100		4			
E-2	2,200	4,600	1,200	200	1,100	5	4	1	1

MODIFY SIGNAL

SHEET No.	2"C, TYPE 3	No. 5(E) PB	No. 6(E) PB	TYPE A DETECTOR LOOP	TYPE D DETECTOR LOOP	DLC
	LF	EA	EA	EA	EA	LF
E-3	150	1	1	8	2	350

MODIFY WIRELESS VEHICLE DETECTION SYSTEM

SHEET No.	VSN	RELOCATE MVDS SENSOR	RELOCATE AP	RELOCATE WIRELESS MODEM	RELOCATE NEMA 3R	85 W ISL
	EA	EA	EA	EA	EA	EA
E-4	1	1	1	1	1	1

ELECTRICAL QUANTITIES
E-6

REVISED BY | DATE REVISED
HASHIM KHALID | OMAR MENDOZA
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: ALI BAKHDOUD
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 06-ELECTRICAL DESIGN

LAST REVISION 02-01-13
DATE PLOTTED => 03-MAY-2013
TIME PLOTTED => 13:50

BORDER LAST REVISED 7/2/2010
USERNAME => s124496
DGN FILE => 0500000055ua006.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1515
PROJECT NUMBER & PHASE 05000000551

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	262	343

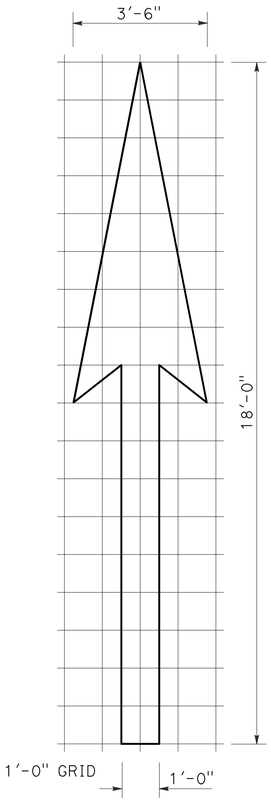
Roberta L. McLaughlin
REGISTERED CIVIL ENGINEER

April 20, 2012
PLANS APPROVAL DATE

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

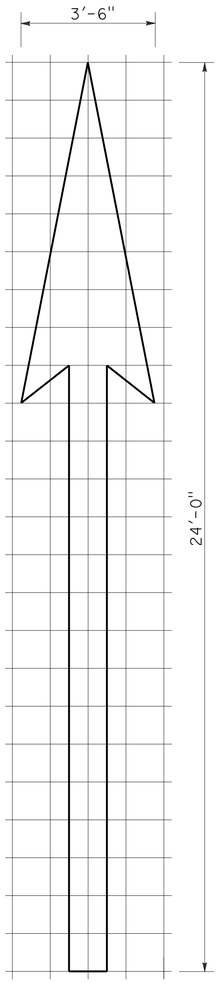
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

TO ACCOMPANY PLANS DATED 4-29-13



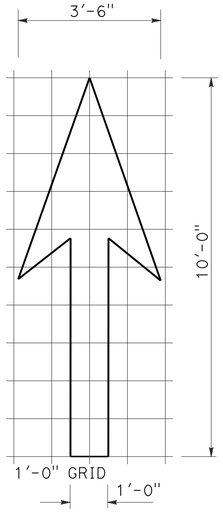
A=25 ft²

TYPE I 18'-0" ARROW



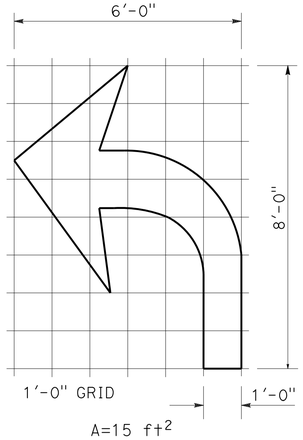
A=31 ft²

TYPE I 24'-0" ARROW



A=14 ft²

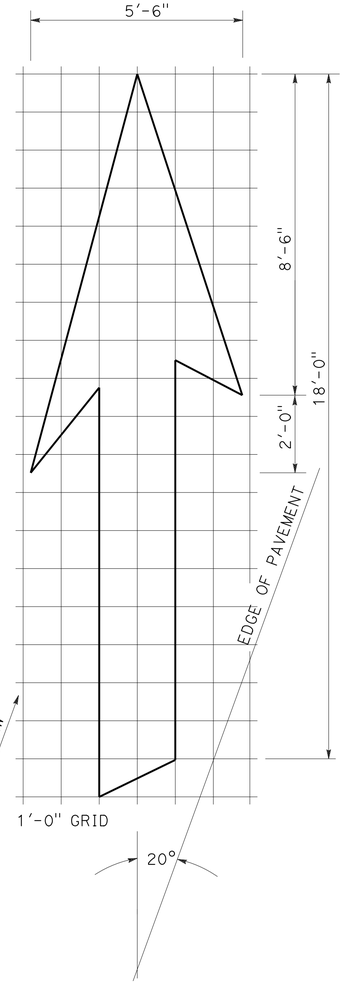
TYPE I 10'-0" ARROW



A=15 ft²

TYPE IV (L) ARROW

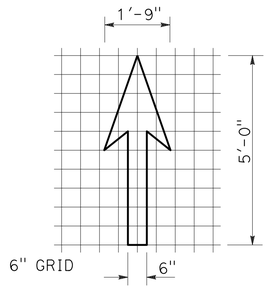
(For Type IV (R) arrow, use mirror image)



A=42 ft²

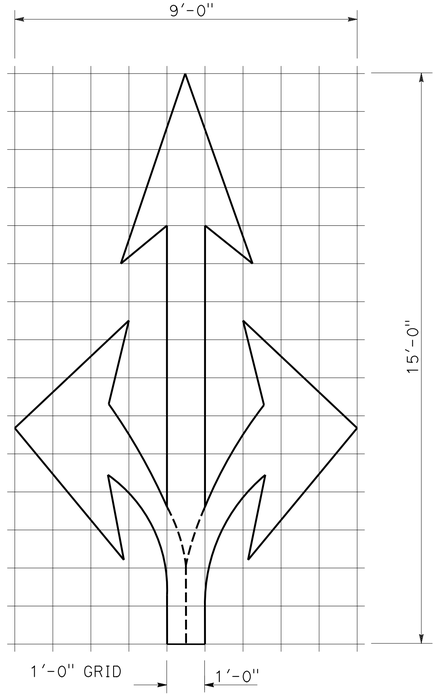
TYPE VI ARROW

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



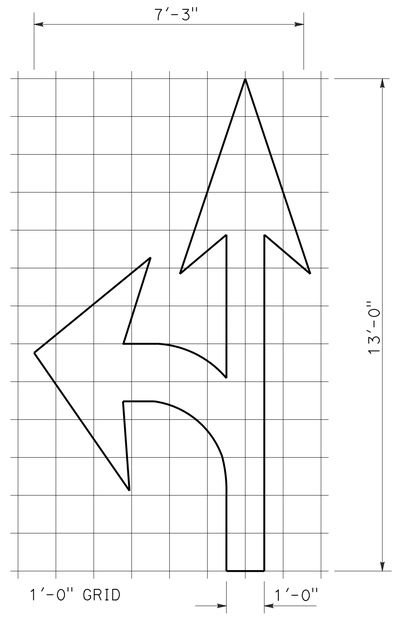
A=3.5 ft²

BIKE LANE ARROW



A=36 ft²

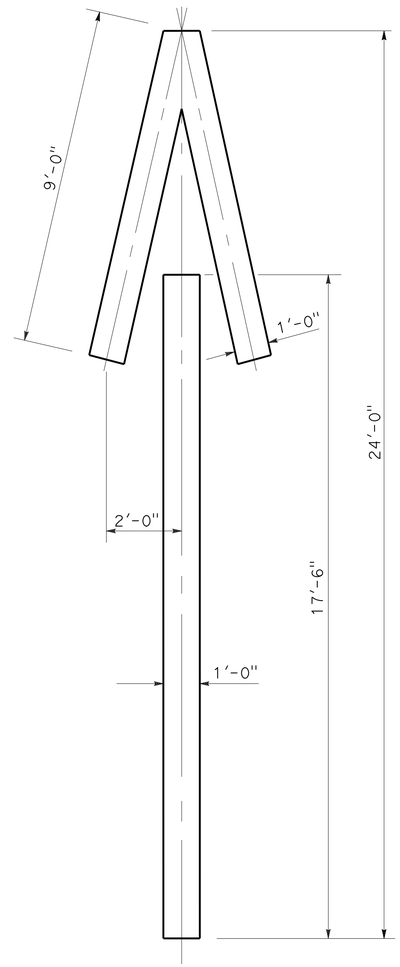
TYPE VIII ARROW



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
05	SB	101	22.3/23.0	263	343

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

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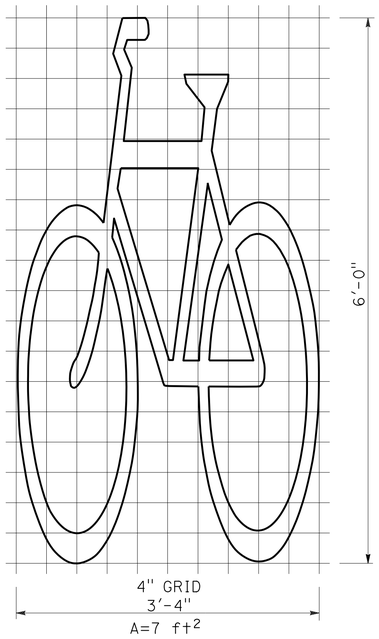
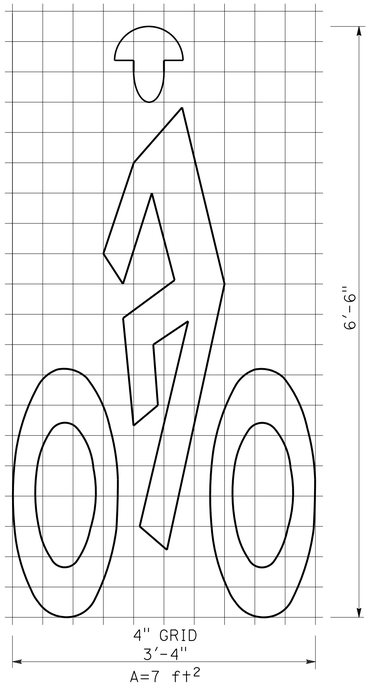
NOTE: TO ACCOMPANY PLANS DATED 4-29-13

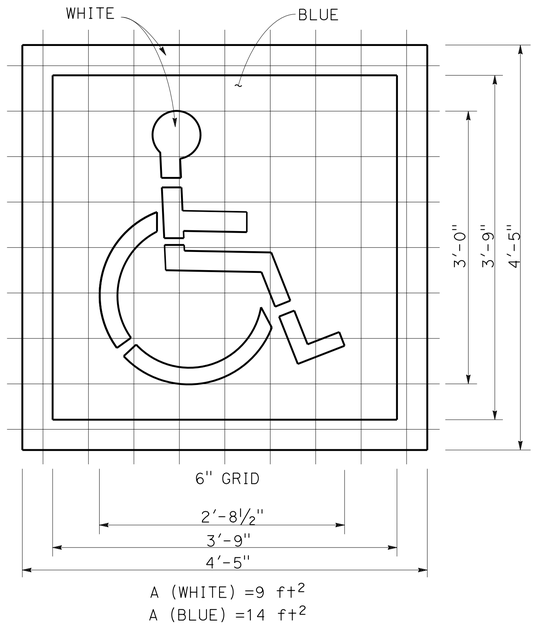
Minor variations in dimensions may be accepted by the Engineer.



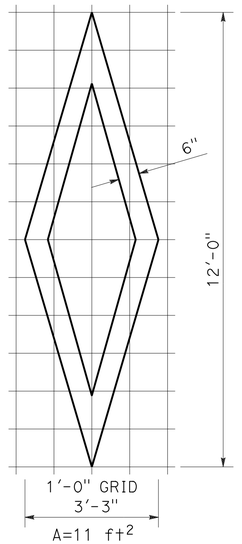
BIKE LANE SYMBOL WITHOUT PERSON



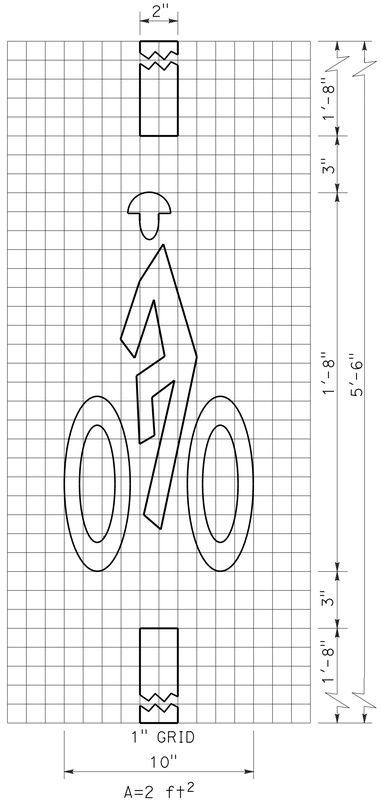
BIKE LANE SYMBOL WITH PERSON



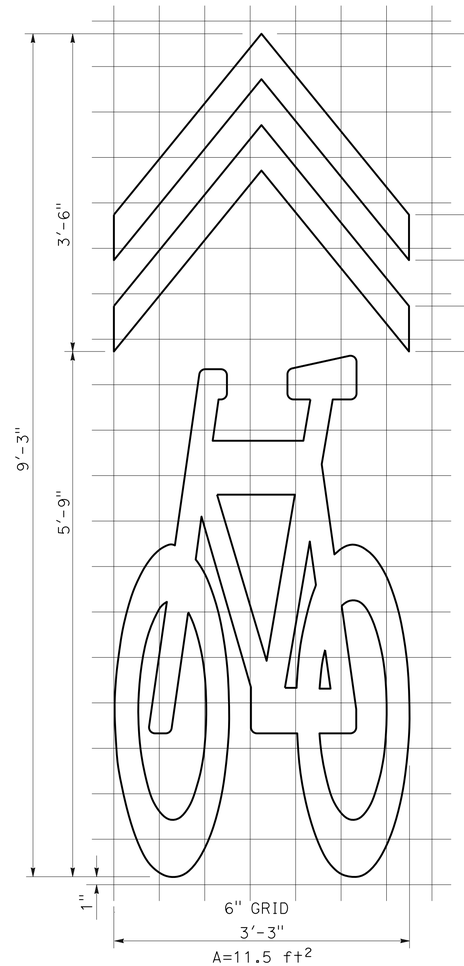
INTERNATIONAL SYMBOL OF ACCESSIBILITY (ISA) MARKING



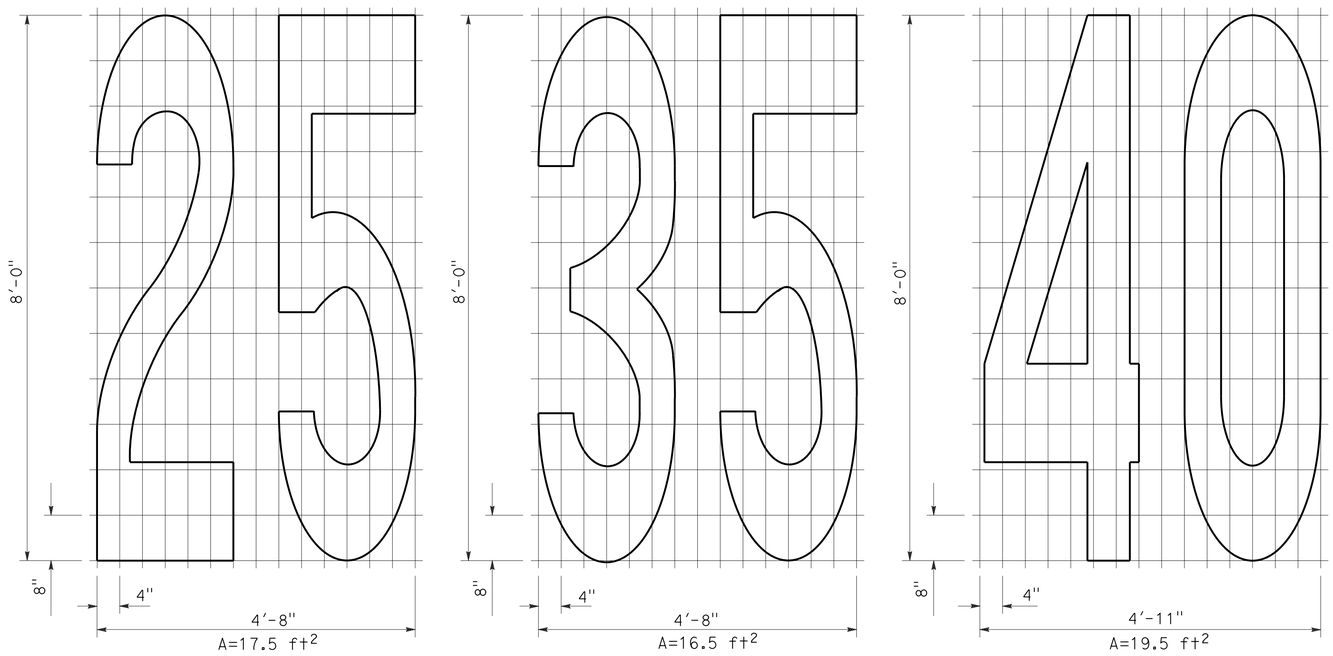
DIAMOND SYMBOL



BICYCLE LOOP DETECTOR SYMBOL



SHARED ROADWAY BICYCLE MARKING



NUMERALS

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS SYMBOLS AND NUMERALS

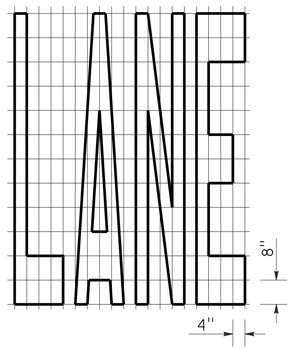
NO SCALE

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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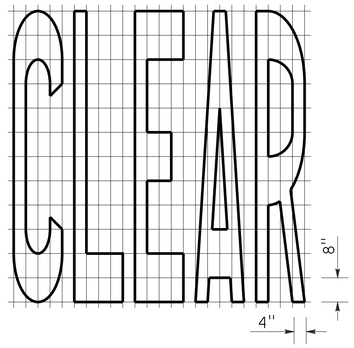

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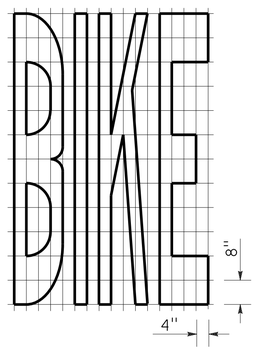

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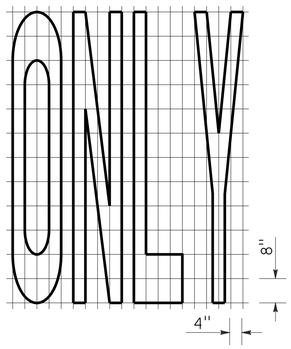

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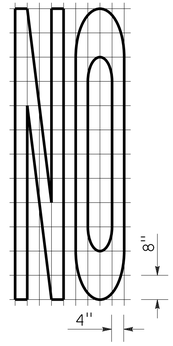
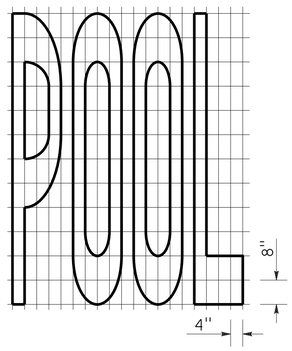


A=14 ft²



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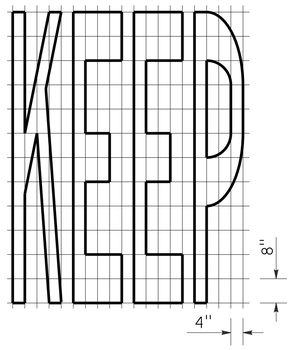

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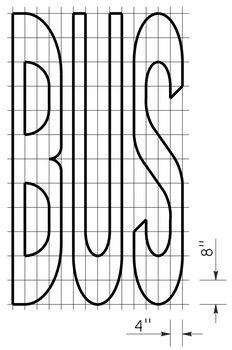
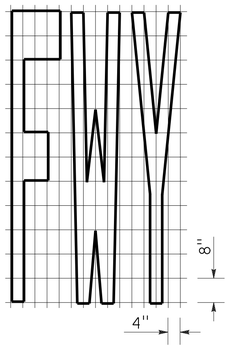
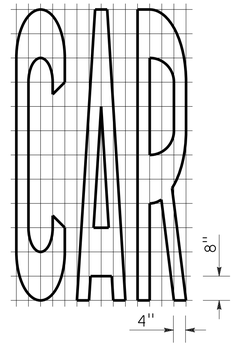


A=20 ft²

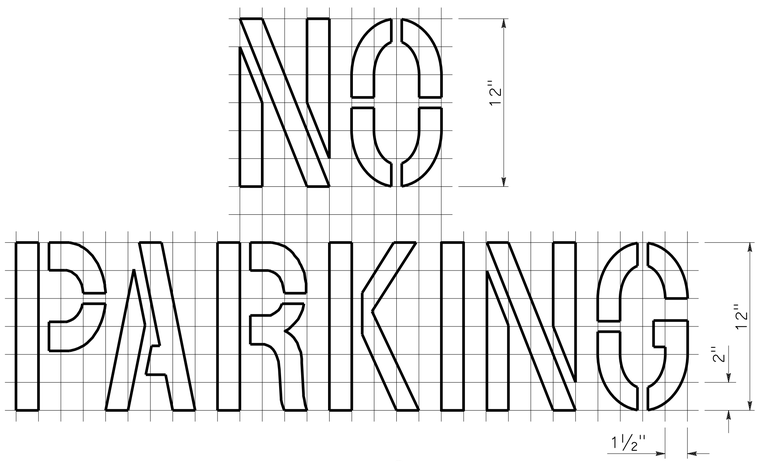


A=16 ft²



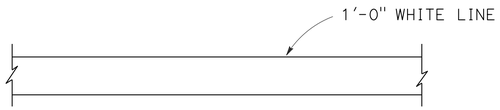
A=17 ft²

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

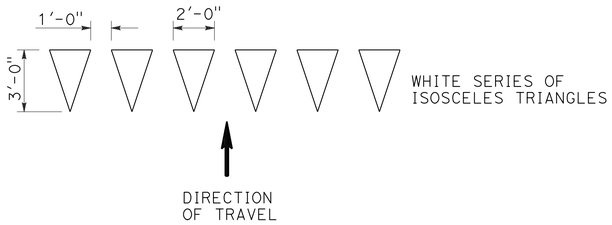


A=2 ft²

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
05	SB	101	22.3/23.0	264	343

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 4-29-13

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
05	SB	101	22.3/23.0	265	343

Roberta L. McLaughlin
REGISTERED CIVIL ENGINEER

July 20, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Roberta L. McLaughlin
No. C40375
Exp. 3-31-13
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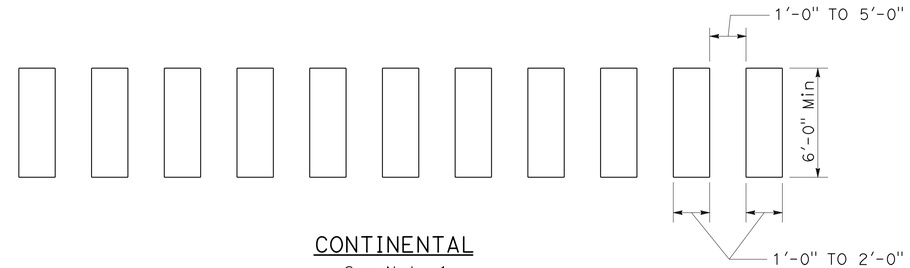
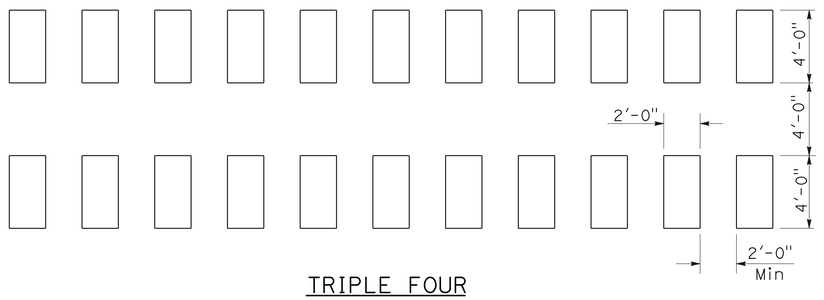
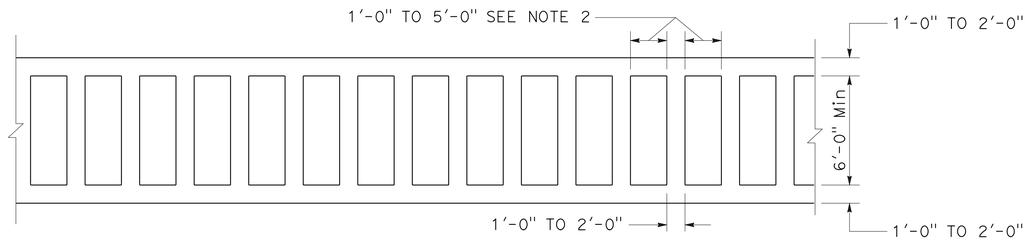
TO ACCOMPANY PLANS DATED 4-29-13



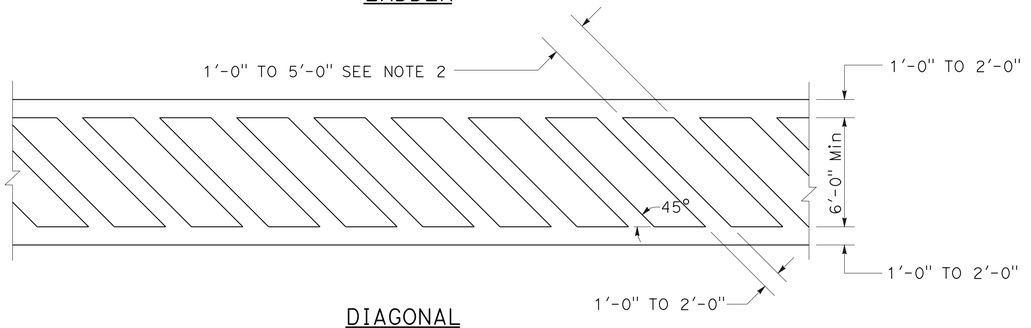
CONTINENTAL
See Note 1



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

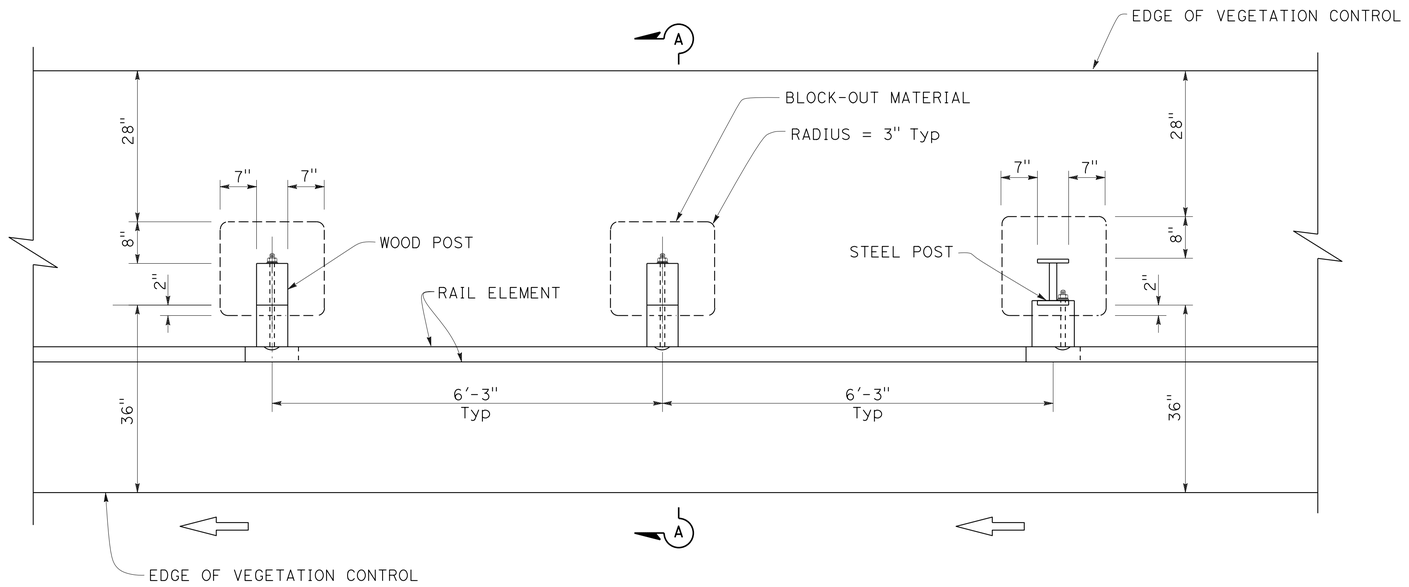
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	266	343

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

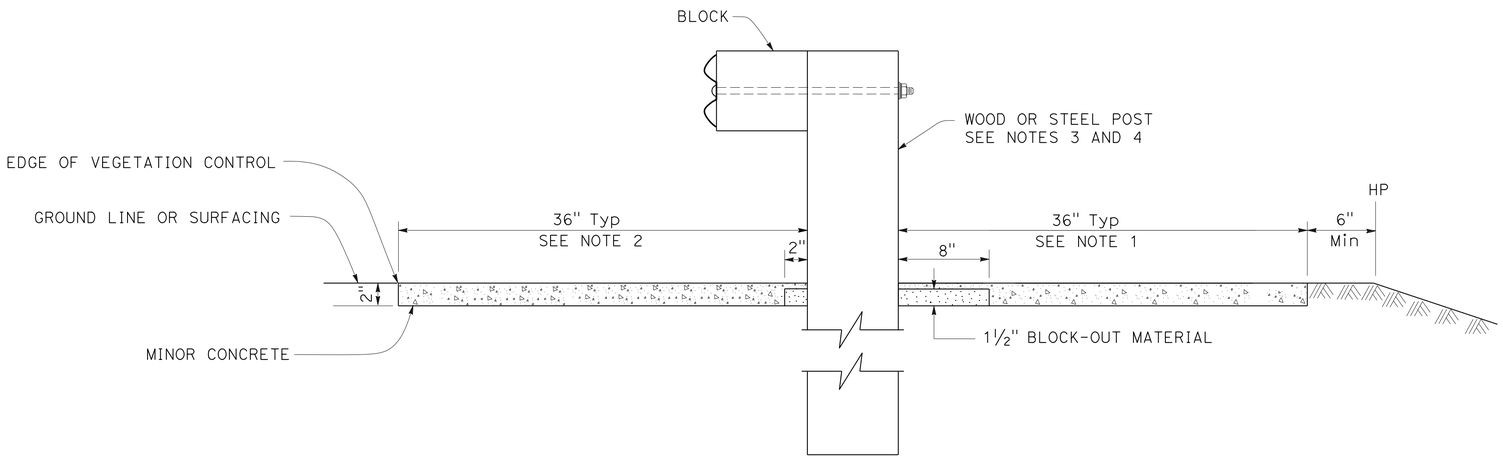
October 19, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-13
CIVIL
STATE OF CALIFORNIA

TO ACCOMPANY PLANS DATED 4-29-13



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 Standard Plan A77C1.
4. For steel post sizes, see Standard Plan A77C2.
5. For details not shown, see Standard Plans A77A1 and A77A2.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

METAL BEAM GUARD RAILING
TYPICAL VEGETATION CONTROL
STANDARD RAILING SECTION

NO SCALE

RSP A77C5 DATED OCTOBER 19, 2012 SUPERSEDES STANDARD PLAN A77C5
DATED MAY 20, 2011 - PAGE 53 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A77C5

2010 REVISED STANDARD PLAN RSP A77C5

9-26-12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	267	343

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

October 19, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
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No. C50200
Exp. 6-30-13
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STATE OF CALIFORNIA

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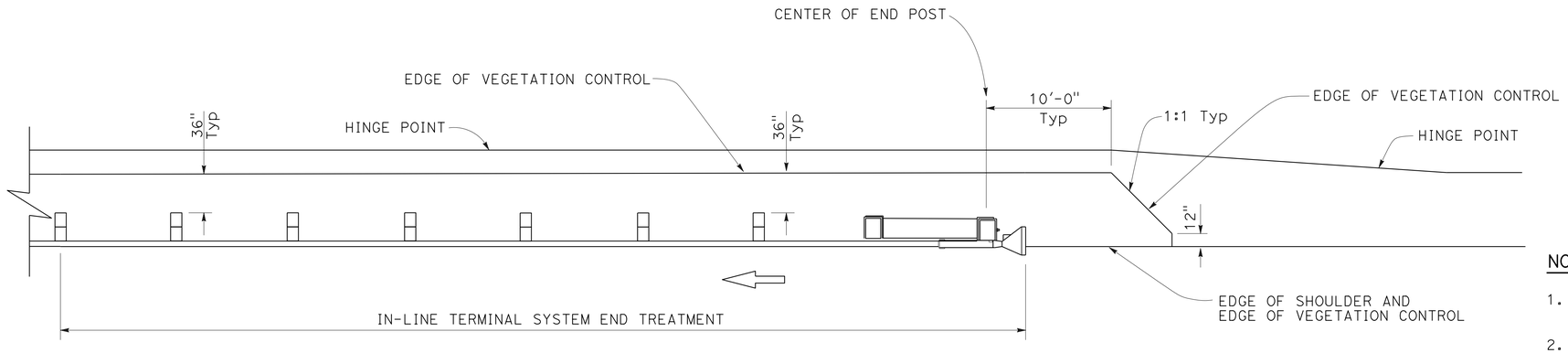
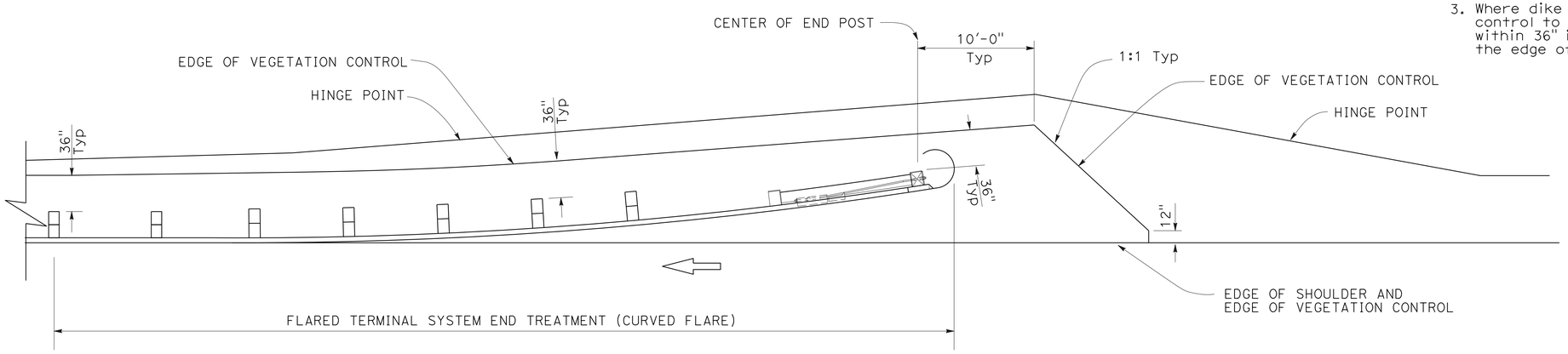
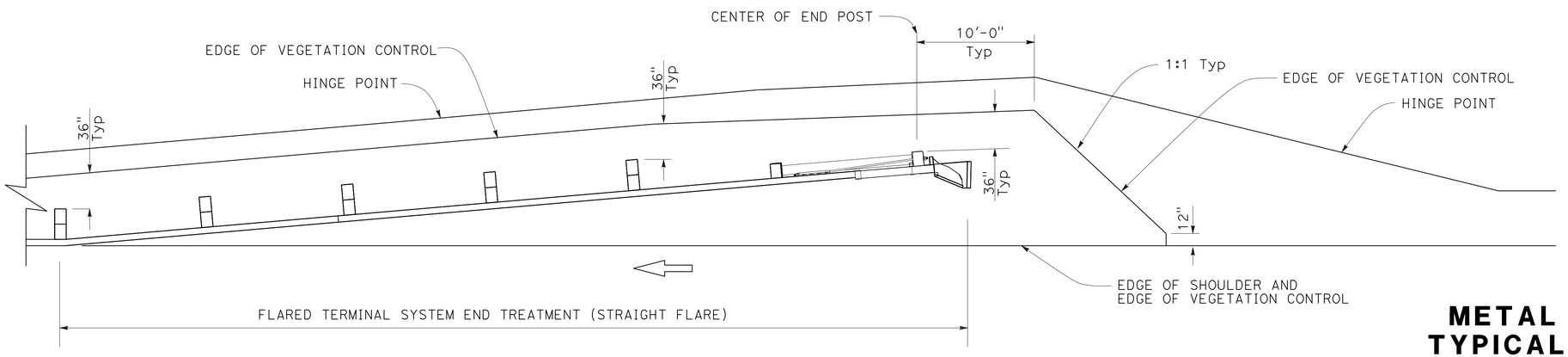
TO ACCOMPANY PLANS DATED 4-29-13



PLAN



PLAN



PLAN

NOTES:

1. See Revised Standard Plan RSP A77C5 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

METAL BEAM GUARD RAILING
TYPICAL VEGETATION CONTROL
FOR TERMINAL SYSTEM END TREATMENTS

NO SCALE

RSP A77C6 DATED OCTOBER 19, 2012 SUPERSEDES STANDARD PLAN A77C6
DATED MAY 20, 2011 - PAGE 54 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A77C6

2010 REVISED STANDARD PLAN RSP A77C6

9-26-12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	268	343

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

October 19, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
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No. C50200
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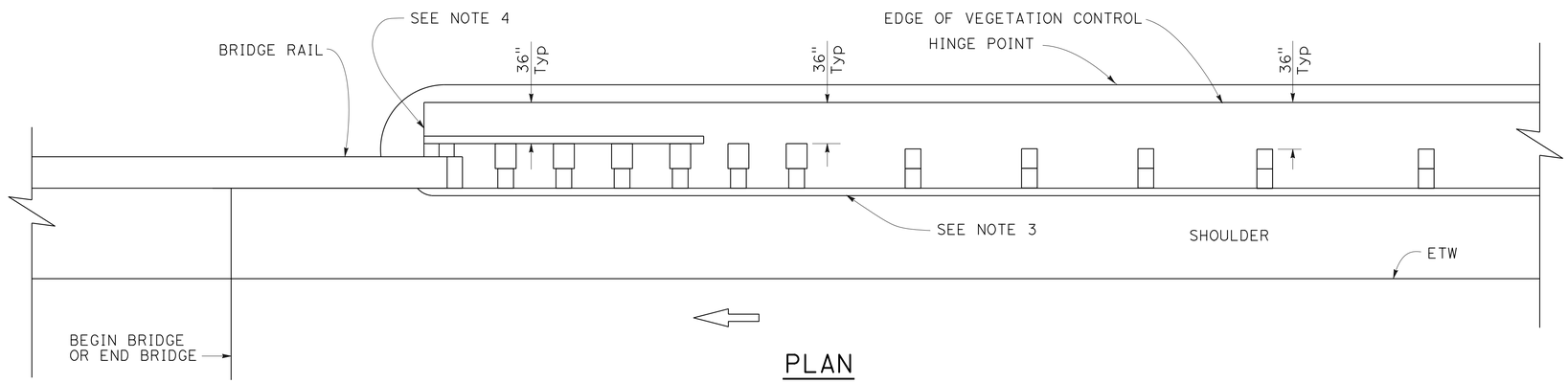
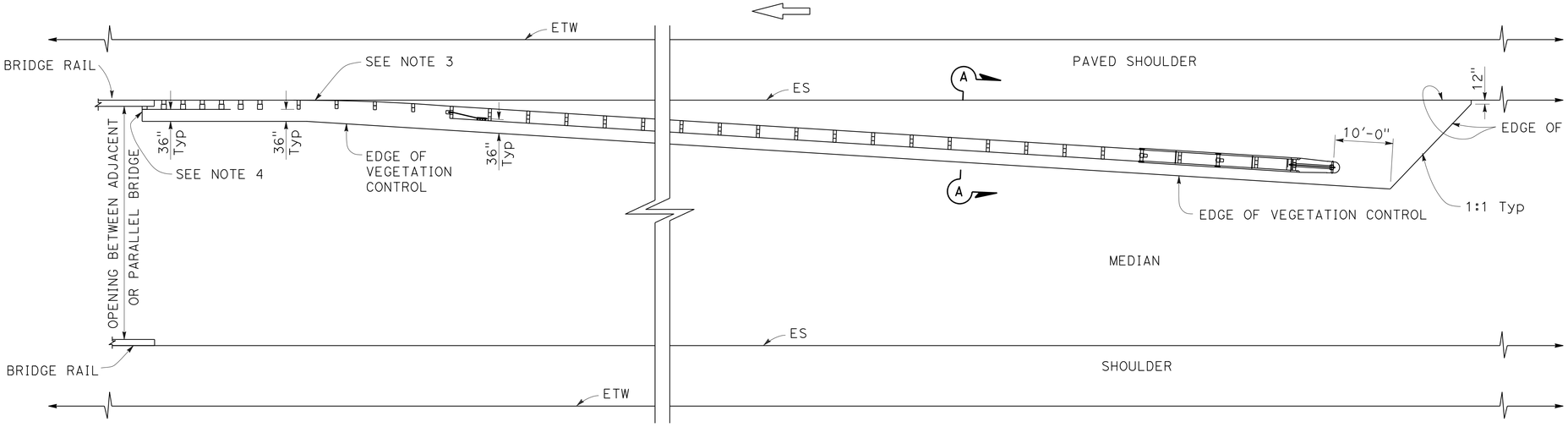
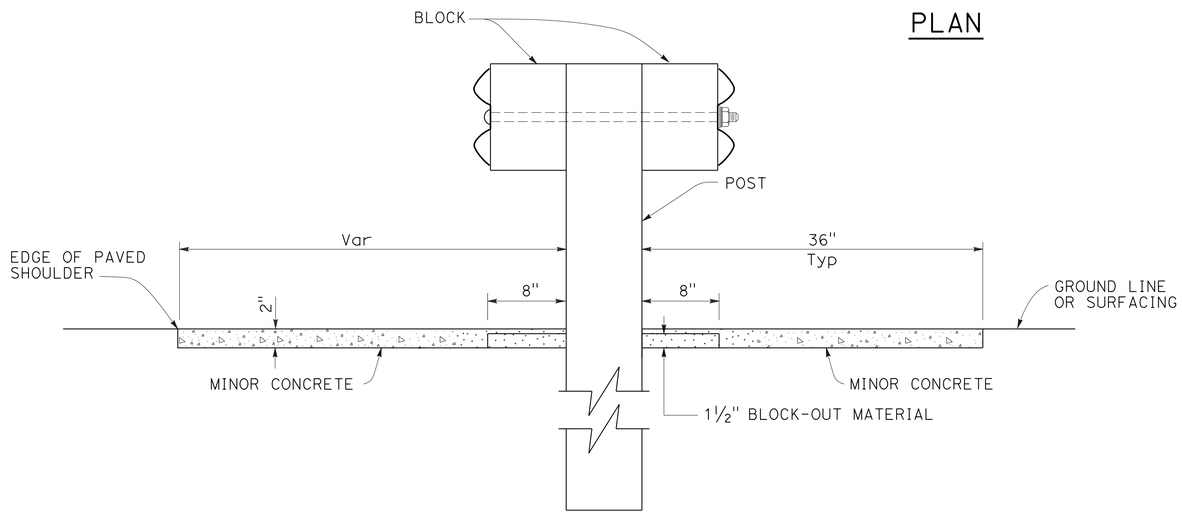
TO ACCOMPANY PLANS DATED 4-29-13



PLAN



PLAN



SECTION A-A

NOTES:

1. See Revised Standard Plan RSP A77C5 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.
4. End vegetation control at end of backside rail element.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

METAL BEAM GUARD RAILING TYPICAL VEGETATION CONTROL AT STRUCTURE APPROACH

NO SCALE

RSP A77C7 DATED OCTOBER 19, 2012 SUPERSEDES STANDARD PLAN A77C7 DATED MAY 20, 2011 - PAGE 55 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A77C7

2010 REVISED STANDARD PLAN RSP A77C7

9-26-12

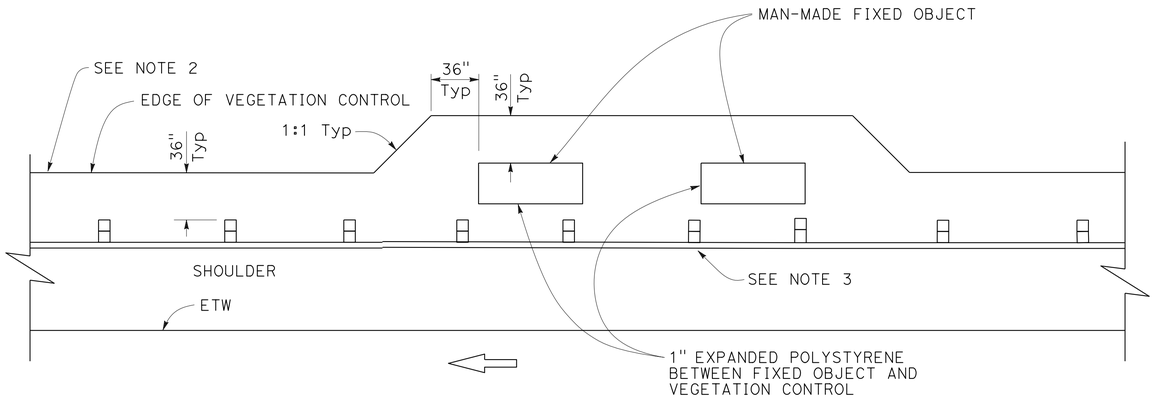
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	269	343

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

October 19, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-13
CIVIL
STATE OF CALIFORNIA

TO ACCOMPANY PLANS DATED 4-29-13



PLAN

Fixed object(s) on shoulder

NOTES:

1. See Revised Standard Plan RSP A77C5 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

METAL BEAM GUARD RAILING
TYPICAL VEGETATION CONTROL AT FIXED OBJECT

NO SCALE

RSP A77C8 DATED OCTOBER 19, 2012 SUPERSEDES STANDARD PLAN A77C8 DATED MAY 20, 2011 - PAGE 56 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A77C8

NOTES:

1. See Revised Standard Plan RSP A77C5 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
05	SB	101	22.3/23.0	270	343

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

October 19, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-13
CIVIL
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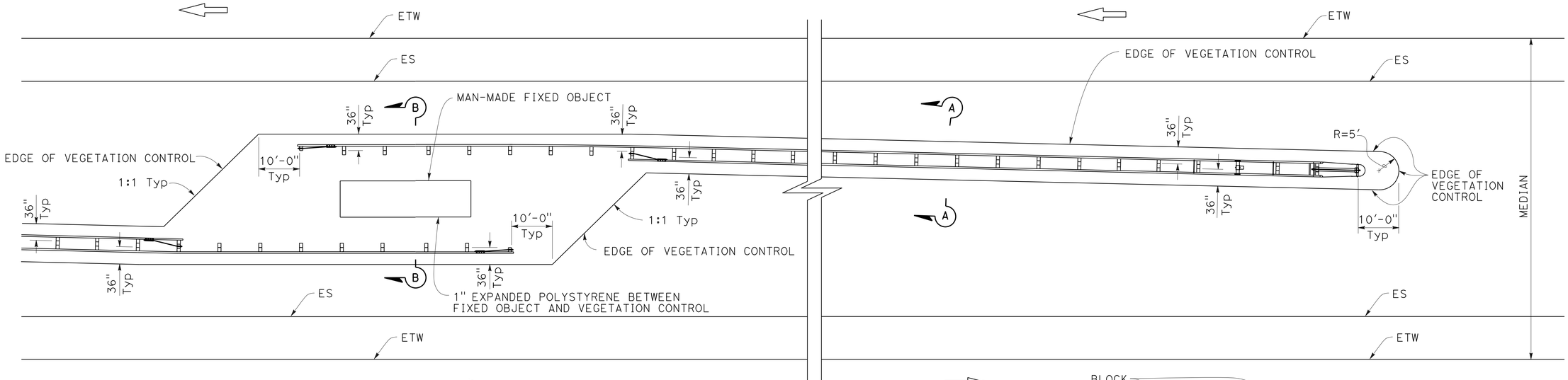
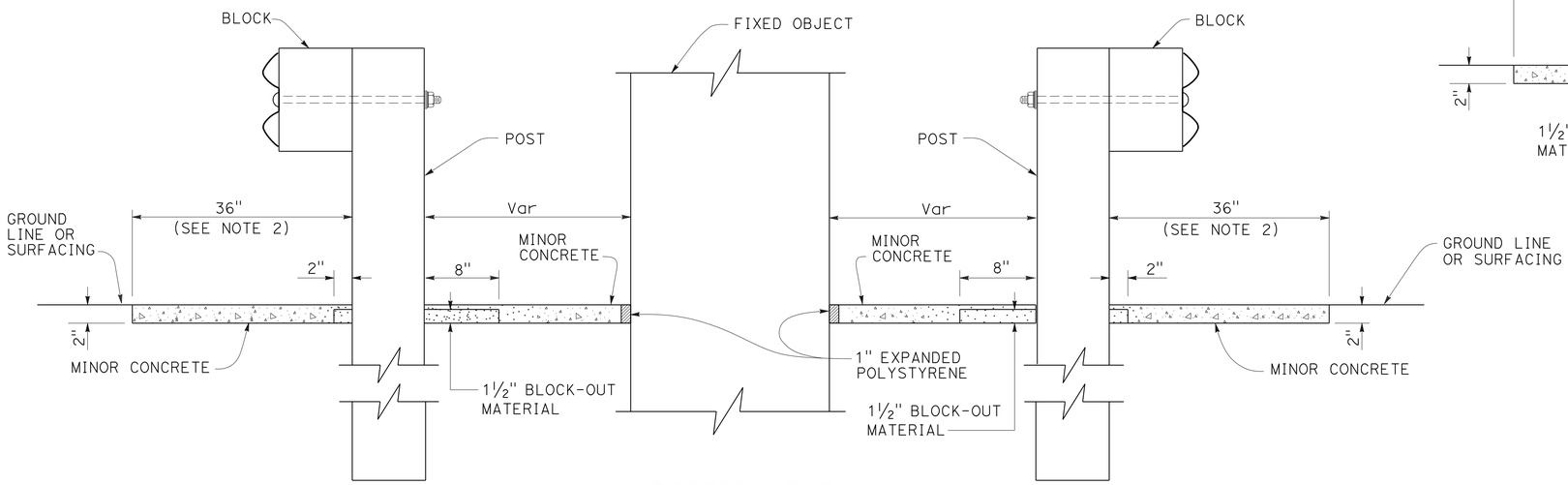
TO ACCOMPANY PLANS DATED 4-29-13

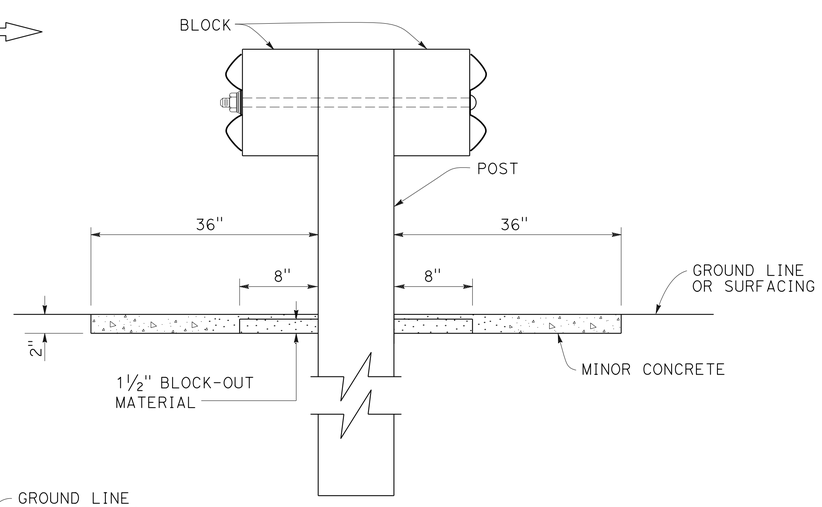


PLAN

Fixed object(s) in median



SECTION B-B



SECTION A-A

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

METAL BEAM GUARD RAILING TYPICAL VEGETATION CONTROL AT FIXED OBJECT

NO SCALE

RSP A77C9 DATED OCTOBER 19, 2012 SUPERSEDES STANDARD PLAN A77C9 DATED MAY 20, 2011 - PAGE 57 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A77C9

2010 REVISED STANDARD PLAN RSP A77C9

9-26-12

NOTES:

1. See Revised Standard Plan RSP A77C5 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
05	SB	101	22.3/23.0	271	343

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

October 19, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-13
CIVIL
STATE OF CALIFORNIA

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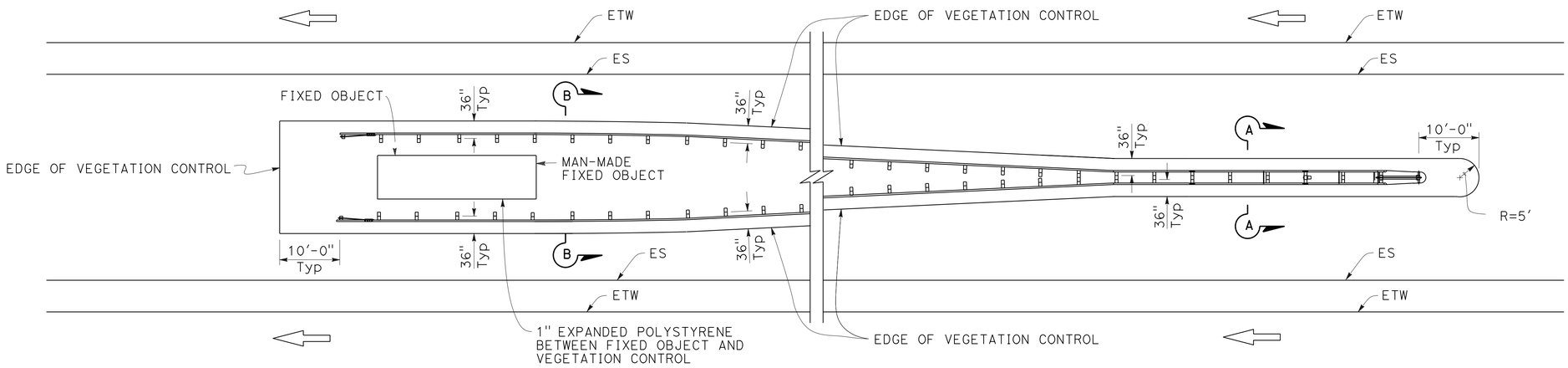
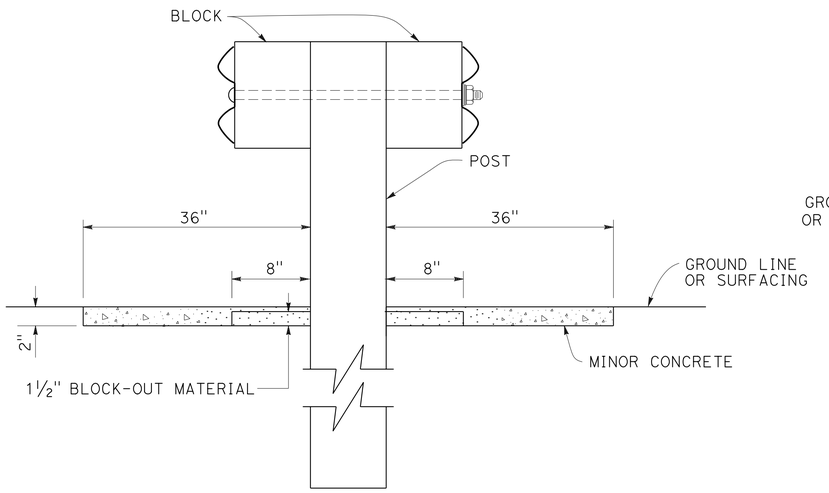
TO ACCOMPANY PLANS DATED 4-29-13

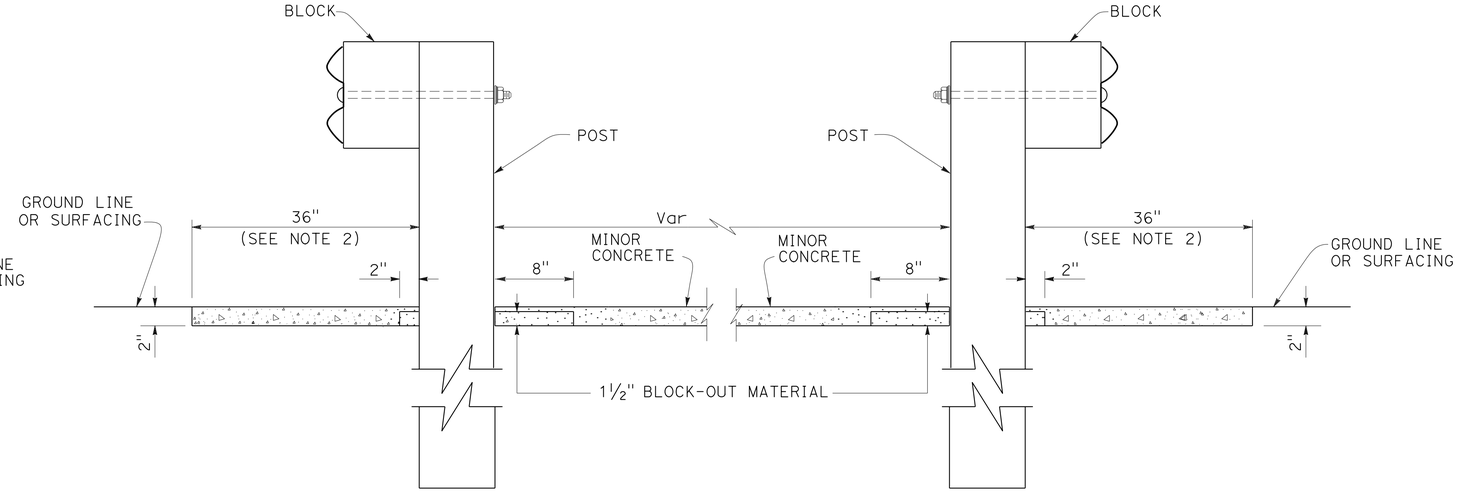


PLAN

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



SECTION A-A



SECTION B-B

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

METAL BEAM GUARD RAILING TYPICAL VEGETATION CONTROL AT FIXED OBJECT

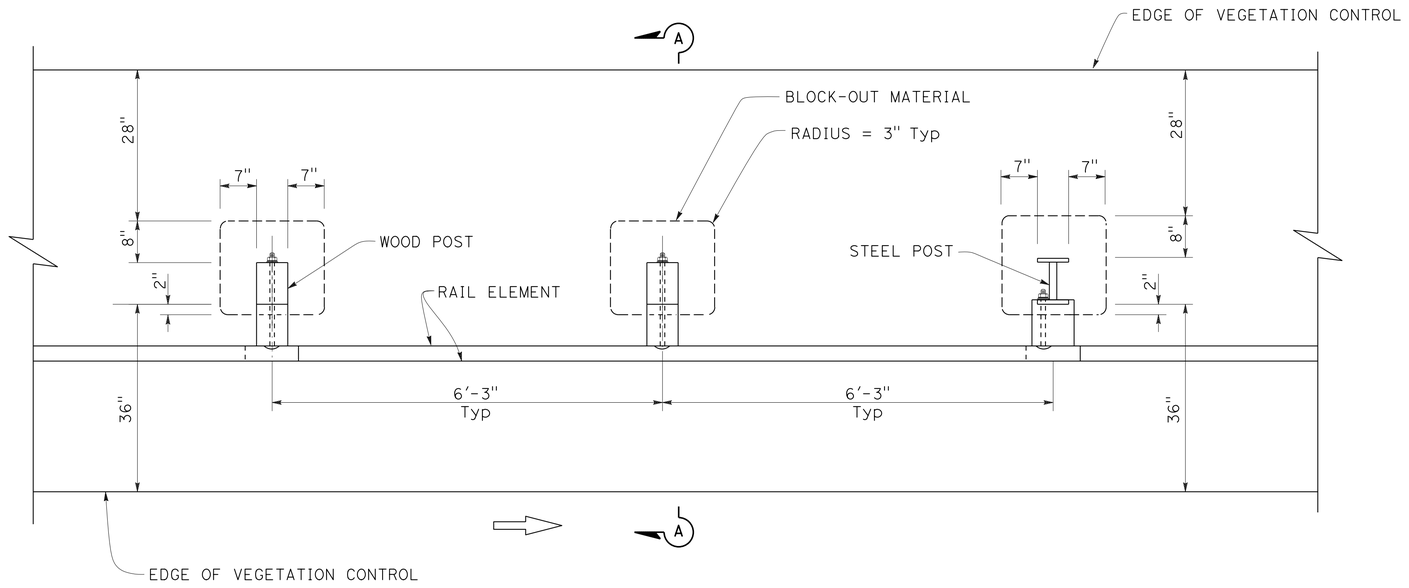
NO SCALE

RSP A77C10 DATED OCTOBER 19, 2012 SUPERSEDES STANDARD PLAN A77C10 DATED MAY 20, 2011 - PAGE 58 OF THE STANDARD PLANS BOOK DATED 2010.

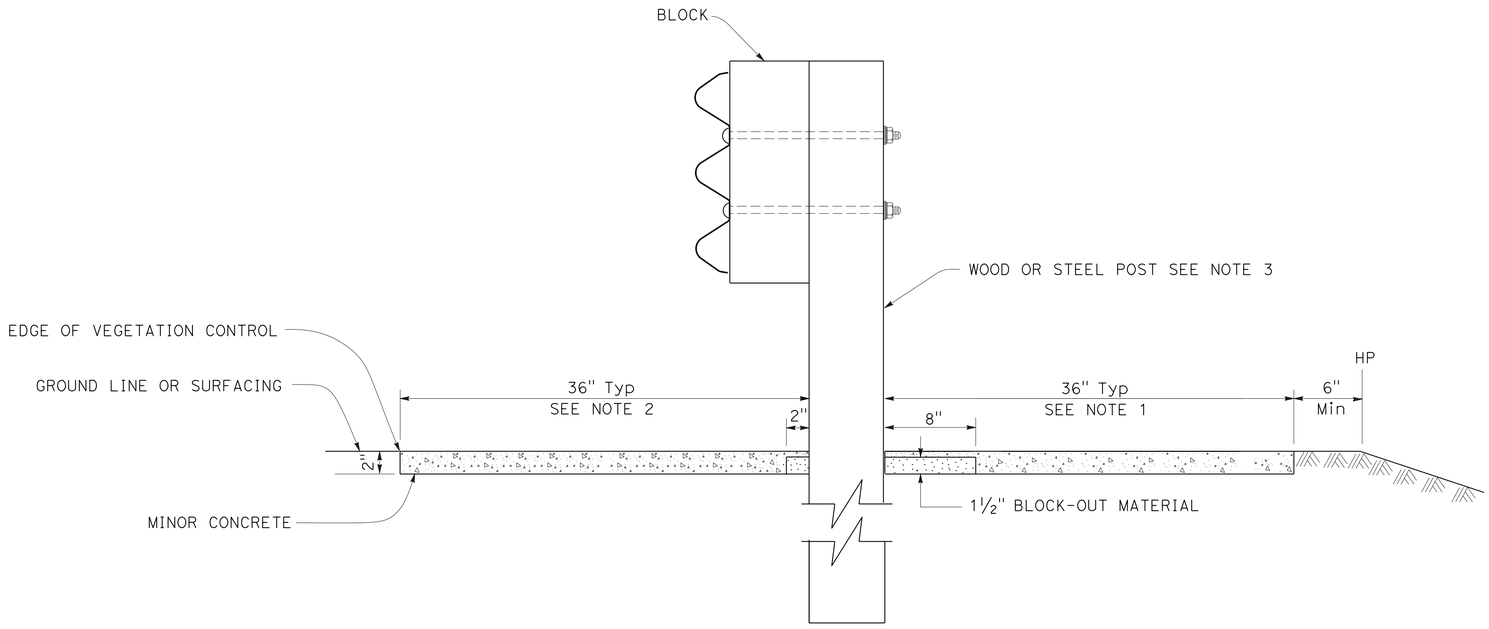
REVISED STANDARD PLAN RSP A77C10

2010 REVISED STANDARD PLAN RSP A77C10

9-26-12



PLAN



SECTION A-A

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	272	343

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

October 19, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-13
CIVIL
STATE OF CALIFORNIA

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TO ACCOMPANY PLANS DATED 4-29-13

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 barrier, 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 and steel post sizes, see Standard Plan A77C2.
4. For details not shown, see Standard Plans A78A and A78B.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

SINGLE THRIE BEAM BARRIER
TYPICAL VEGETATION CONTROL
STANDARD BARRIER RAILING SECTION

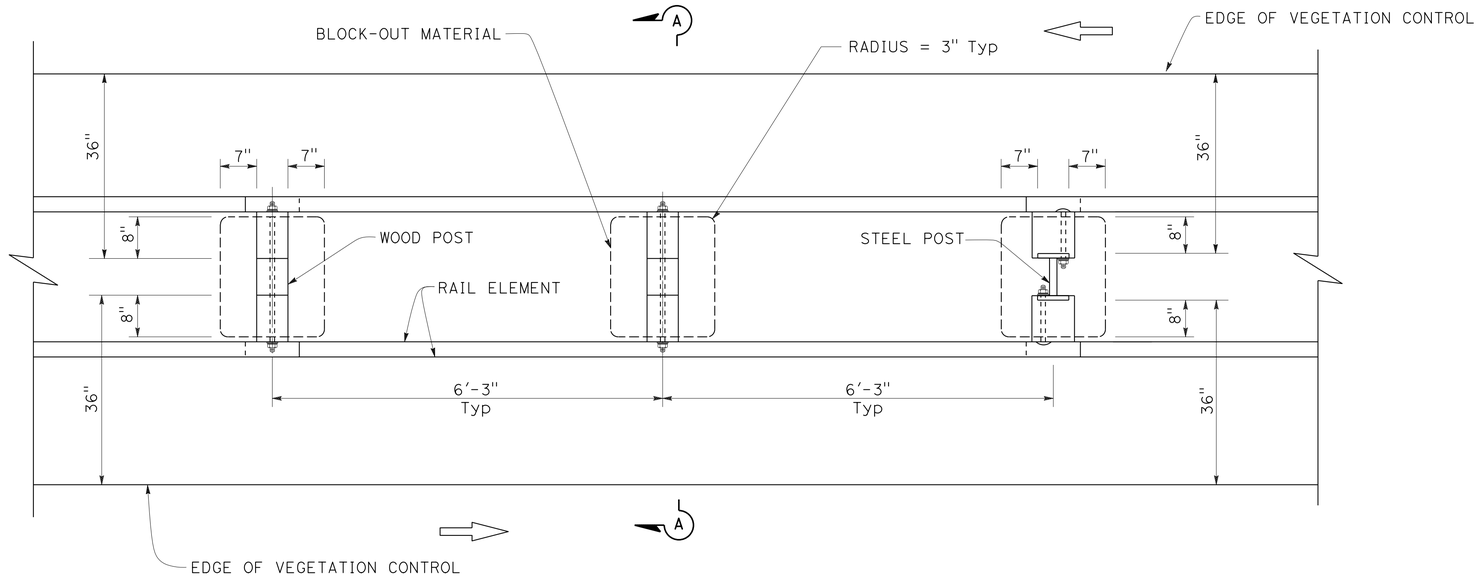
NO SCALE

RSP A78C3 DATED OCTOBER 19, 2012 SUPERSEDES STANDARD PLAN A78C3
DATED MAY 20, 2011 - PAGE 93 OF THE STANDARD PLANS BOOK DATED 2010.

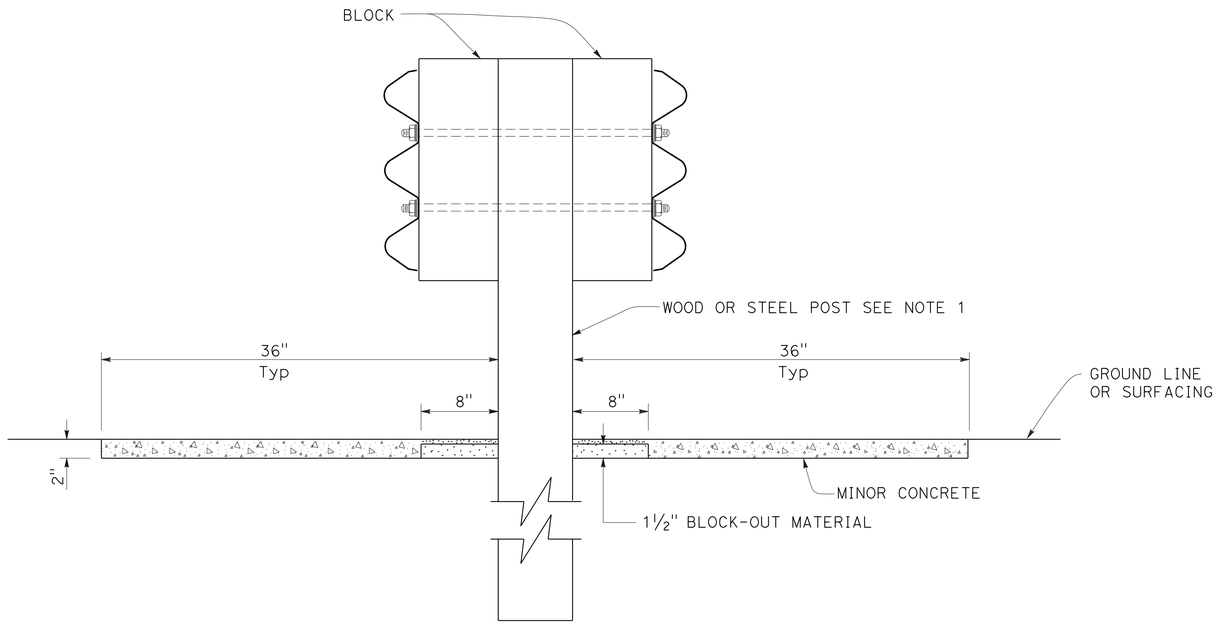
REVISED STANDARD PLAN RSP A78C3

2010 REVISED STANDARD PLAN RSP A78C3

9-26-12



PLAN



SECTION A-A

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	273	343

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

October 19, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-13
CIVIL
STATE OF CALIFORNIA

TO ACCOMPANY PLANS DATED 4-29-13

NOTES:

1. For wood and steel post sizes, see Standard Plan A78C2.
2. For details not shown, see Standard Plans A78A and A78B.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DOUBLE THRIE BEAM BARRIER
TYPICAL VEGETATION CONTROL
STANDARD BARRIER RAILING SECTION

NO SCALE

RSP A78C4 DATED OCTOBER 19, 2012 SUPERSEDES STANDARD PLAN A78C4
DATED MAY 20, 2011 - PAGE 94 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A78C4

2010 REVISED STANDARD PLAN RSP A78C4

9-26-12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	274	343

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

October 19, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-13
CIVIL
STATE OF CALIFORNIA

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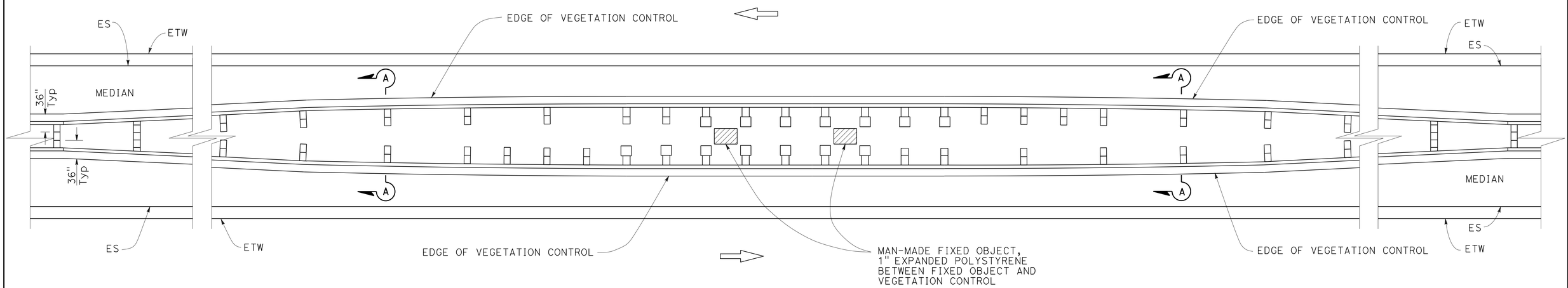
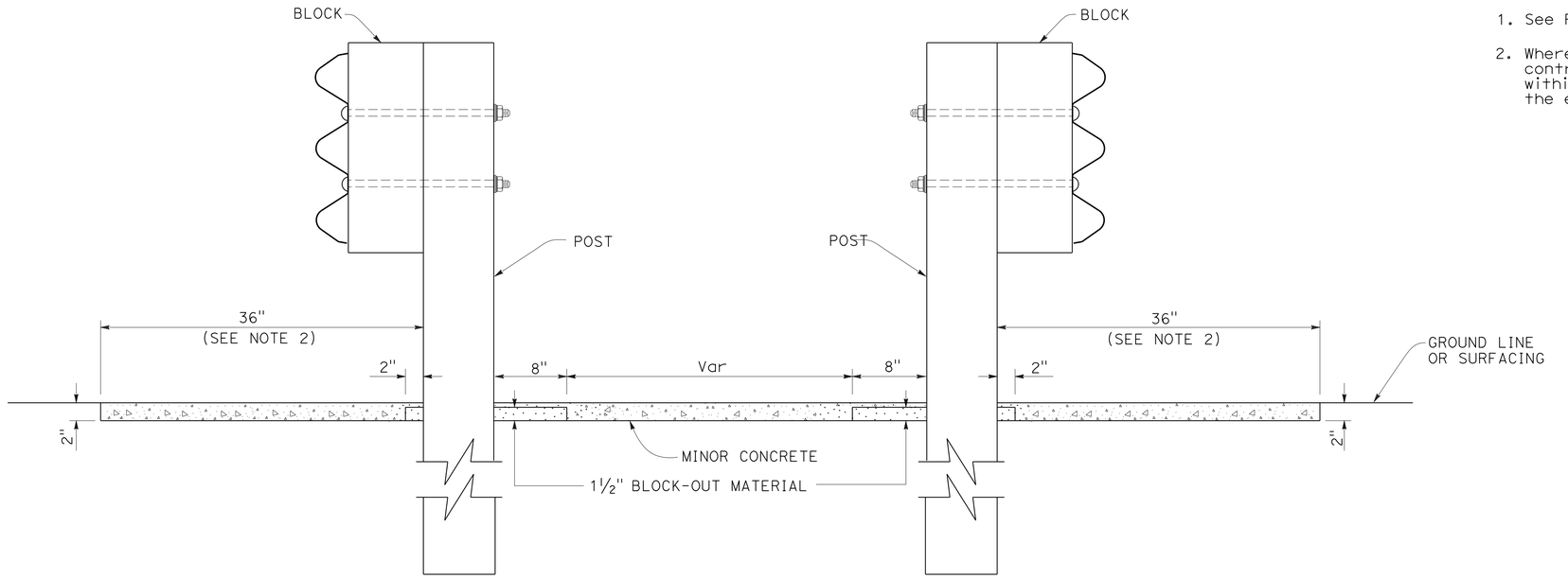
TO ACCOMPANY PLANS DATED 4-29-13



PLAN



SECTION A-A

NOTES:

1. See Revised Standard Plan RSP A78C3 for additional vegetation control.
2. Where dike is constructed under barrier, 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

THRIE BEAM BARRIER TYPICAL VEGETATION CONTROL AT FIXED OBJECTS IN MEDIAN

NO SCALE

RSP A78C5 DATED OCTOBER 19, 2012 SUPERSEDES STANDARD PLAN A78C5 DATED MAY 20, 2011 - PAGE 95 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A78C5

2010 REVISED STANDARD PLAN RSP A78C5

9-26-12

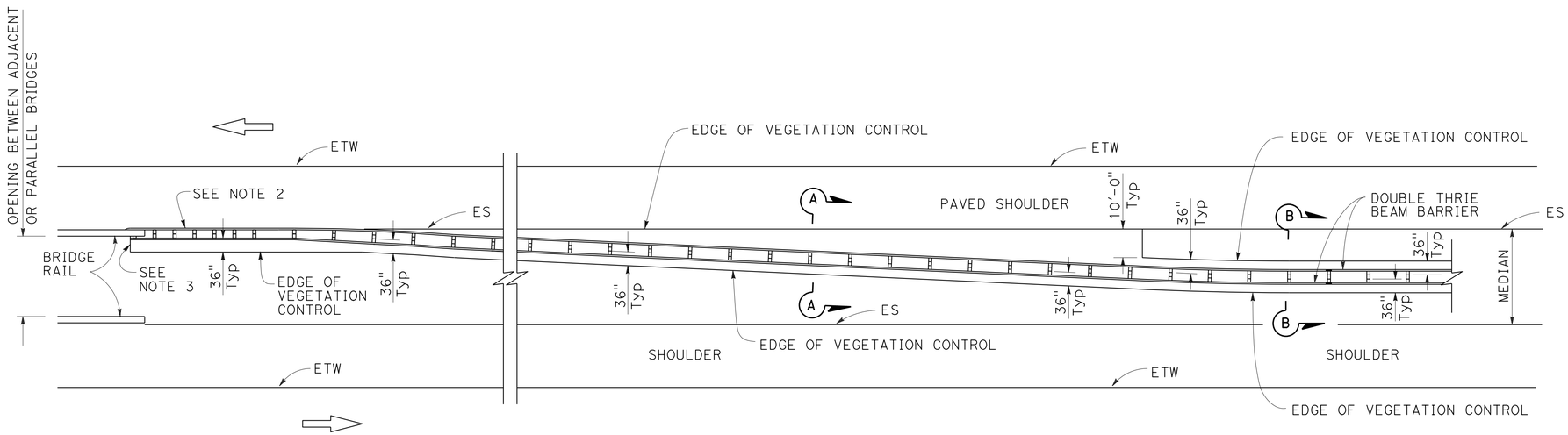
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	275	343

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

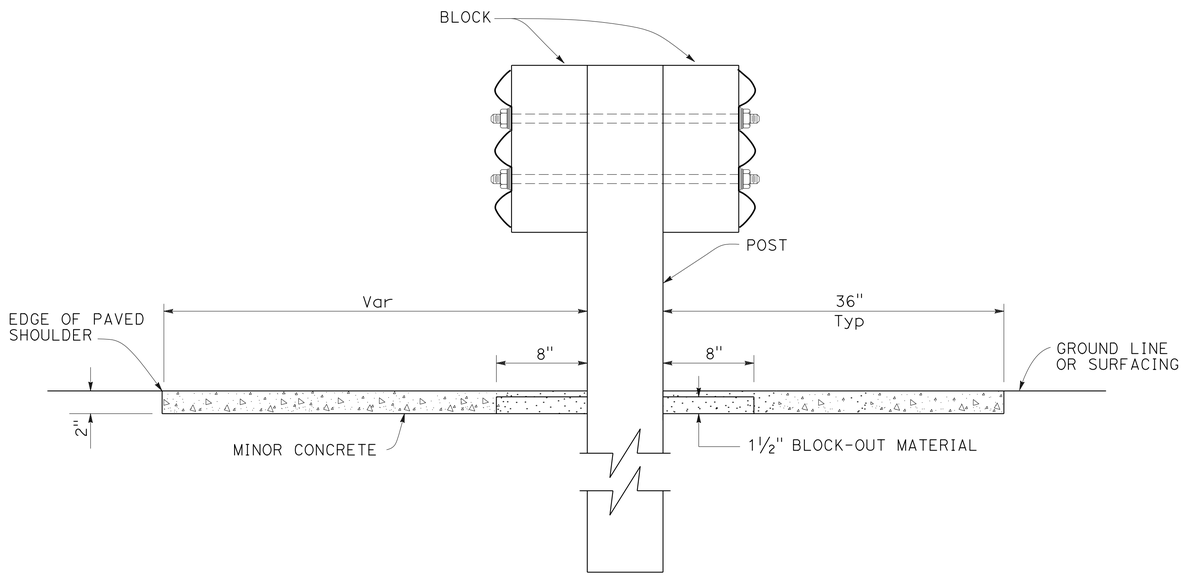
October 19, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-13
CIVIL
STATE OF CALIFORNIA

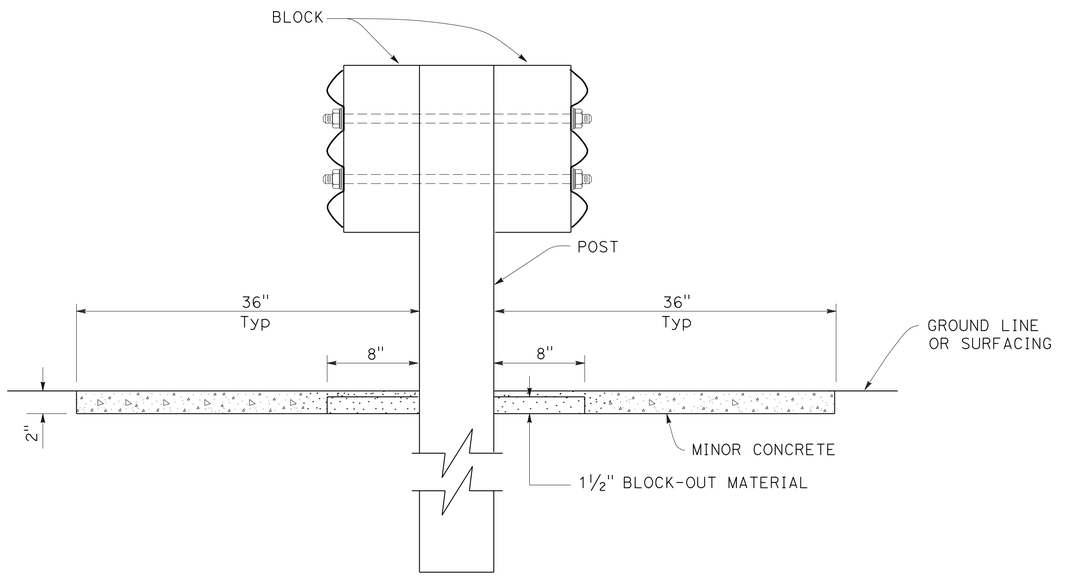
TO ACCOMPANY PLANS DATED 4-29-13



PLAN



SECTION A-A



SECTION B-B

NOTES:

1. See Revised Standard Plan RSP A78C4 for additional vegetation control details.
2. Where dike is constructed under barrier, 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. End vegetation control at end of backside rail element attached to bridge railing.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

THRIE BEAM BARRIER TYPICAL VEGETATION CONTROL AT STRUCTURE APPROACH

NO SCALE

RSP A78C6 DATED OCTOBER 19, 2012 SUPERSEDES STANDARD PLAN A78C6
DATED MAY 20, 2011 - PAGE 96 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A78C6

2010 REVISED STANDARD PLAN RSP A78C6

9-26-12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	276	343

Glenn DeCou
REGISTERED CIVIL ENGINEER

October 19, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Glenn DeCou
No. C34547
Exp. 9-30-13
CIVIL
STATE OF CALIFORNIA

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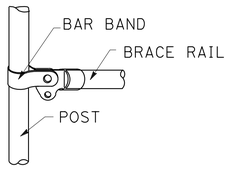
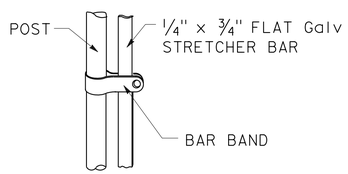
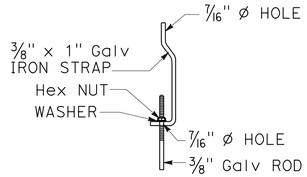
TO ACCOMPANY PLANS DATED 4-29-13



BRACE RAIL



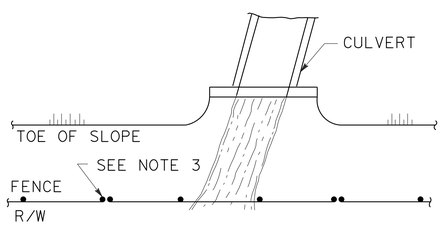
STRETCHER BAR



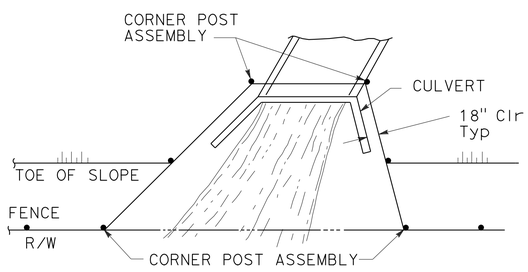
TRUSS TIGHTENER

NOTES:

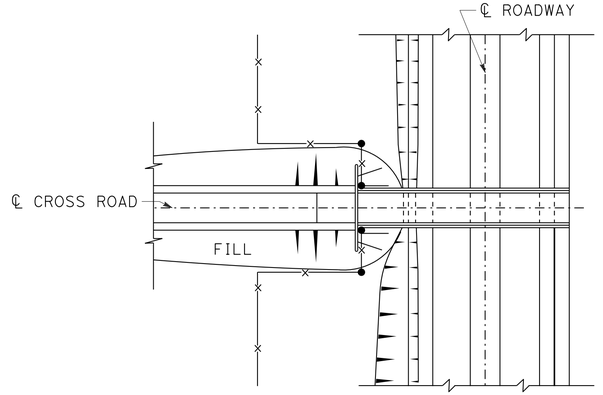
1. All material for abutment connection to be galvanized.
2. The chain link fabric shall be replaced by barbed wire strands at 12" maximum centers between the double posts.
3. When the width of the culvert makes it necessary to anchor a post to the top of the culvert, a cast iron shoe or other device approved by the Engineer shall be used.
4. Fencing over stream and around headwall may also use Barbed Wire or Wire Mesh fencing with either wood post or steel post installation.
5. See Standard Plan A85 for Chain Link fence dimensions. See Standard Plan A86 for Barbed Wire and Wire Mesh fence dimensions and for wood post and steel post installation.



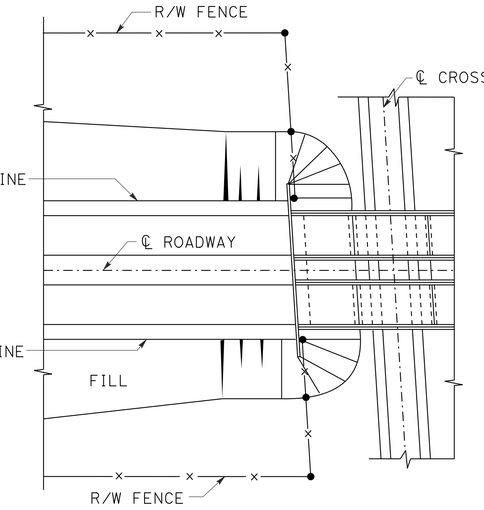
PLAN



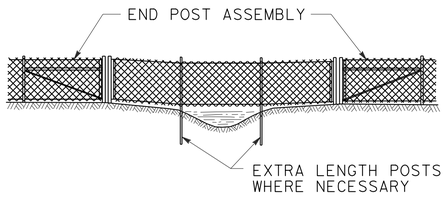
PLAN



PLAN OF ROADWAY - OVERCROSSING

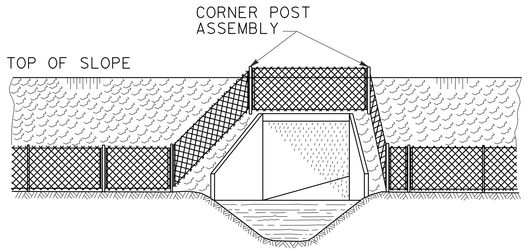


PLAN OF ROADWAY - UNDERCROSSING



ELEVATION

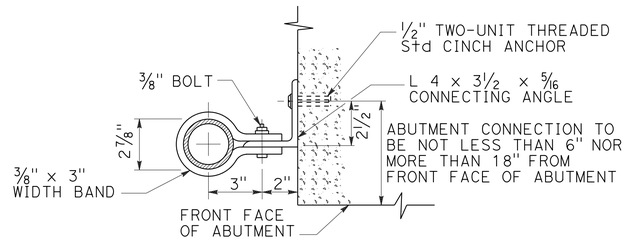
INSTALLATION OVER STREAM



ELEVATION

INSTALLATION AROUND HEADWALL

See Note 4



ABUTMENT CONNECTION

TYPICAL INSTALLATION AT BRIDGES

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CHAIN LINK FENCE DETAILS

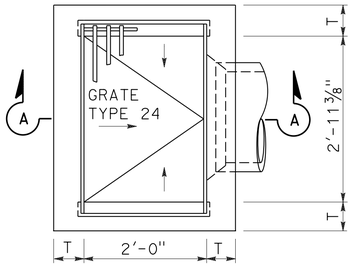
NO SCALE

RSP A85B DATED OCTOBER 19, 2012 SUPERSEDES STANDARD PLAN A85B DATED MAY 20, 2011 - PAGE 114 OF THE STANDARD PLANS BOOK DATED 2010.

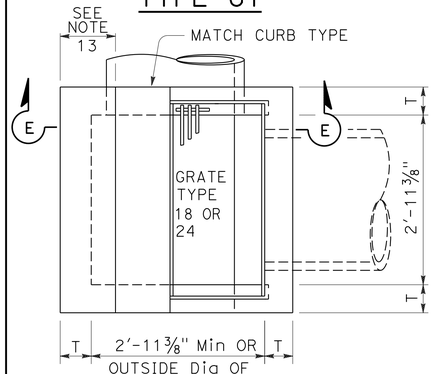
REVISED STANDARD PLAN RSP A85B

2010 REVISED STANDARD PLAN RSP A85B

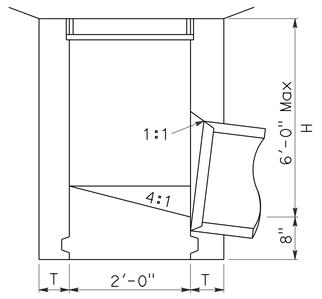
7-19-12



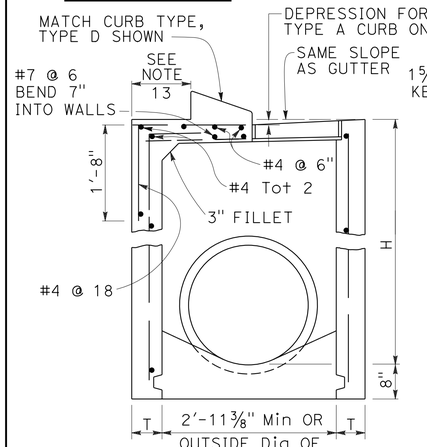
TYPE G1



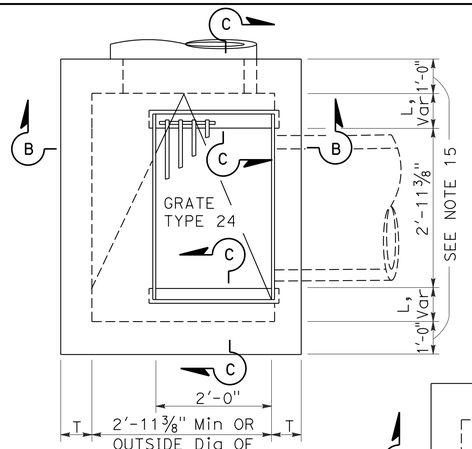
TYPE G4



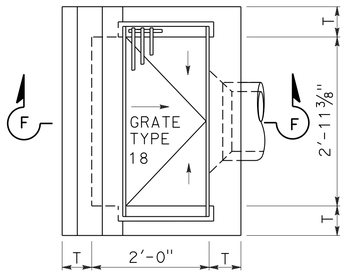
SECTION A-A



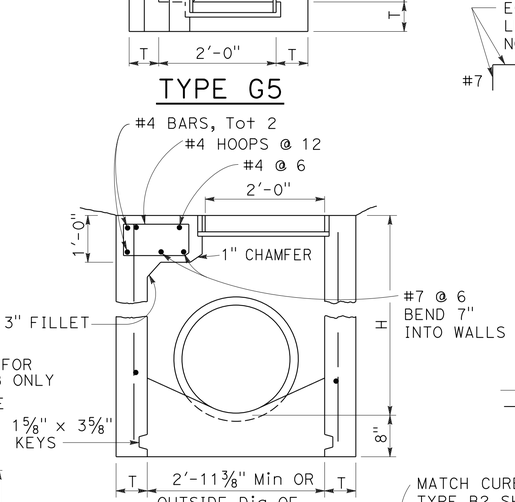
SECTION E-E



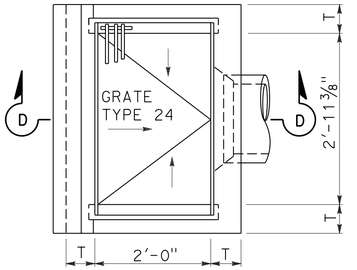
TYPE G2



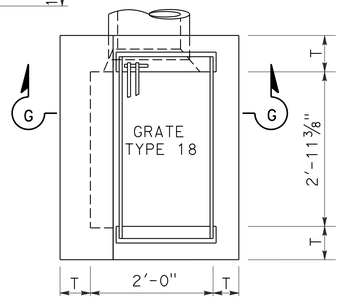
TYPE G5



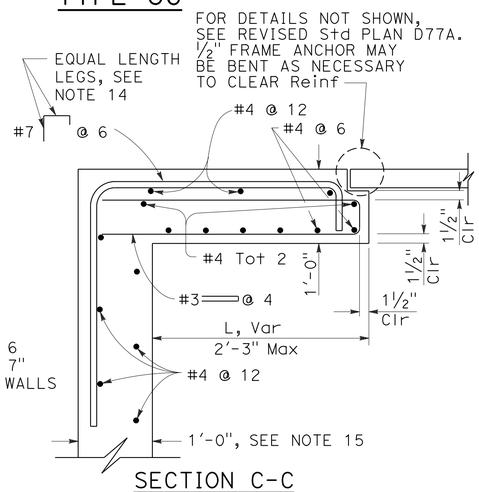
SECTION B-B



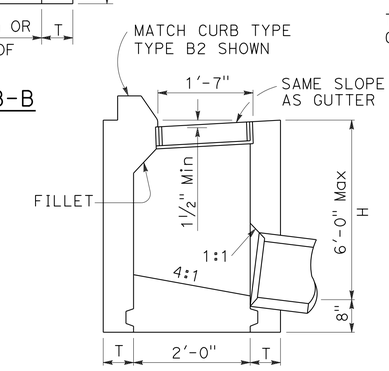
TYPE G3



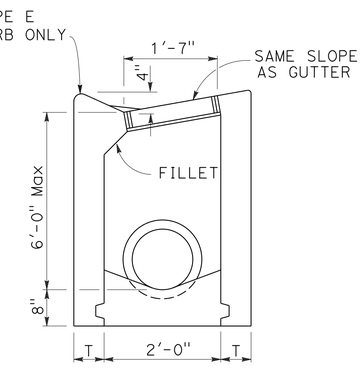
TYPE G6



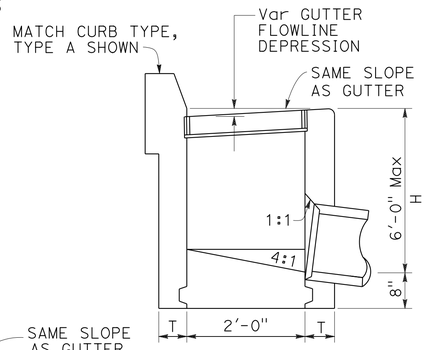
SECTION C-C



SECTION F-F



SECTION G-G



SECTION D-D

TO ACCOMPANY PLANS DATED 4-29-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	277	343

Glenn DeCou
REGISTERED CIVIL ENGINEER

October 19, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Glenn DeCou
No. C34547
Exp. 9-30-13
CIVIL
STATE OF CALIFORNIA

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NOTES:

1. "H" is the difference in elevation between the outlet pipe flow line and the normal gutter grade line undepressed.
2. For "T" wall thickness, see Table A below.
3. Wall reinforcing not required when "H" is 8'-0" or less and the unsupported width or length is 7'-0" or less. Walls exceeding these limits shall be reinforced with #4 bars @ 1'-6" ± centers placed 1½" clear to inside of box unless otherwise shown.
4. Inlet bottom reinforcing not required. See Standard Plan D74C for alternative reinforced bottom and alternative half round bottom.
5. Steps-None required where "H" is less than 2'-6". Where "H" is 2'-6" or more, install steps with lowest rung 1'-0" above the floor and highest rung not more than 6" below top of inlet. The distance between steps shall not exceed 1'-0" and shall be uniform throughout the length of the wall. Place steps in the wall without an opening. Steps inserts may be substituted for the bar steps. Step inserts shall comply with State Industrial Safety requirements. See Standard Plan D74C for step details.
6. Details shown apply to both metal and concrete pipe.
7. Pipe(s) can be placed in any wall.
8. Curb section shall match adjacent curb.
9. Basin floors shall have wood trowel finish and a minimum slope of 12:3 from all directions toward outlet pipe.
10. Set inlet so that grate bars are parallel to direction of principal surface flow.
11. See Revised Standard Plans D77A and D77B for grate and frame details and weights of miscellaneous iron and steel.
12. See Standard Plan D78A for gutter depression details.
13. This dimenison will vary with different grates, curbs types, box width and wall thickness.
14. Bar may be rotated as necessary to clear opening. Where "L" is 6" or less, bar may be omitted.
15. Where "L" is 6" or less, wall thickness shall be as shown in Table A.
16. Cast-in-place inlets to be formed around all pipes/stubs intersecting the inlet, and concrete poured in one continuous operation. Precast inlets shall have mortared connections conforming to details for Type GCP Inlet shown on Standard Plan D75B. See Standard Specifications for mortar composition.

TABLE A

TYPE	CONCRETE QUANTITIES			
	H=3'-0" TO 8'-0" (T=6")		H=8'-1" TO 20'-0" (T=8")	
	H=3'-0" (CY)	ADDITIONAL PCC PER FOOT (CY)	H=8'-1" (CY)	ADDITIONAL PCC PER FOOT (CY)
G-1	0.95	0.220	See Note A	SEE NOTE A
G-2*	1.31	0.255	3.50	0.357
G-3	1.03	0.220	See Note A	SEE NOTE A
G-4* (TYPE 24)	1.27	0.255	3.48	0.357
G-4* (TYPE 18)	1.30	0.255	3.50	0.357
G-5	1.02	0.220	SEE NOTE A	SEE NOTE A
G-6	1.04	0.220	SEE NOTE A	SEE NOTE A

TABLE BASED ON 8" FLOOR SLAB. NO DEDUCTIONS ARE TO BE MADE TO THESE QUANTITIES BECAUSE OF PIPE OPENINGS, DIFFERENT FLOOR ALTERNATIVES OR DIFFERENT CURB TYPES. * QUANTITIES FOR TYPE G-2 AND G-4 INLETS BASED ON THE MINIMUM INTERIOR DIMENSIONS.

NOTE A:

Maximum allowable height 6'-0".

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DRAINAGE INLETS

NO SCALE

RSP D73 DATED OCTOBER 19, 2012 SUPERSEDES STANDARD PLAN D73 DATED MAY 20, 2011 - PAGE 156 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP D73

2010 REVISED STANDARD PLAN RSP D73

7-19-12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	278	343

Raymond Don Tsztoo
REGISTERED CIVIL ENGINEER

April 19, 2013
PLANS APPROVAL DATE

Raymond Don Tsztoo No. C37332 Exp. 6-30-14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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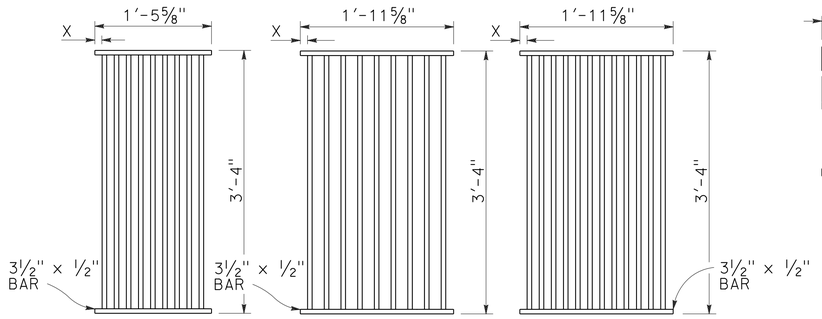
TO ACCOMPANY PLANS DATED 4-29-13

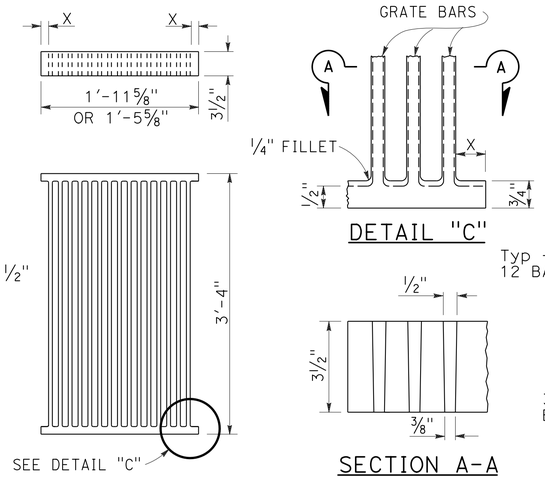


TYPE 18-9
1⅜" Clear spacing. Use within the roadbed on highways where bicycles and pedestrians are excluded.

TYPE 24-9
2" Clear spacing. Use in locations off the roadbed on all types of highways.

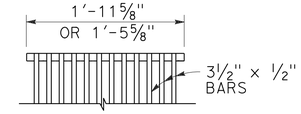
TYPE 24-12
1⅜" Clear spacing. Use within the roadbed on highways where bicycles and pedestrians are excluded.

RECTANGULAR GRATE DETAILS
(See table below)

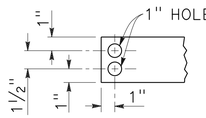


ALTERNATIVE CAST DUCTILE IRON GRATE OR CAST CARBON STEEL GRATE

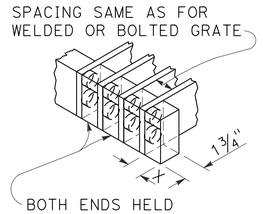
ALTERNATIVE WELDED GRATE



CAST END BLOCK



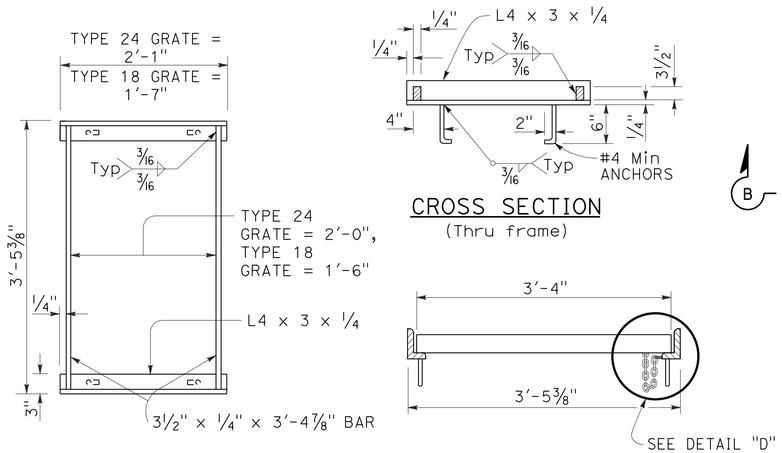
END OF BAR



ALTERNATIVE CAST DUCTILE IRON OR CAST CARBON STEEL END BLOCK GRATE

NOTES:

1. Grate type numbers refer to approximate width of grate in inches and number of bars, respectively.
2. Contractor has the option of using cast ductile iron, cast carbon steel, welded, bolted, or cast end block grate.
3. Rounded top of bars optional on all grates.
4. Pipe inlets with a grate shall be placed so that bars parallel direction of principle surface flow.
5. Complete joint penetration butt welds may be substituted for the fillet welds on all anchors.
6. Standard square, hexagon, round or equivalent headed anchors may be substituted for the right angle hooks on the anchors shown on this plan.
7. Grate and frame weights are based on welded grates (weights of face angles, steps, protection bars, etc. are not included).
8. Connect chain to grate and frame only at locations shown on the plans. When chain is required, do not use cast ductile iron grates.

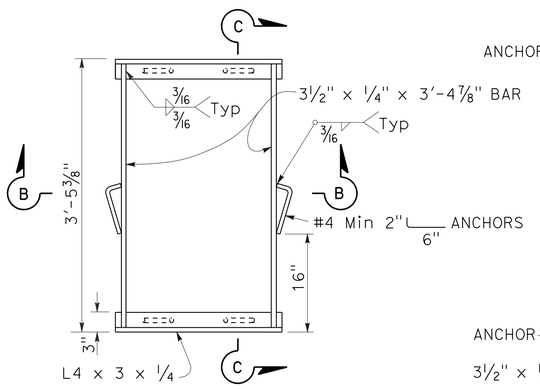


TYPICAL FRAME

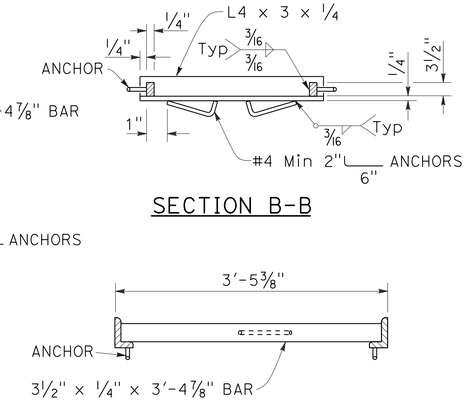
CROSS SECTION
(Thru frame)

LONGITUDINAL SECTION
(Thru frame and grate)

RECTANGULAR FRAME DETAILS
(For all rectangular grates)



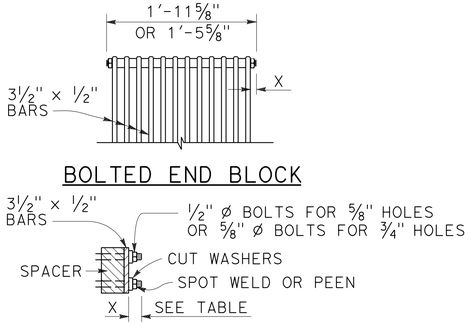
TYPICAL FRAME



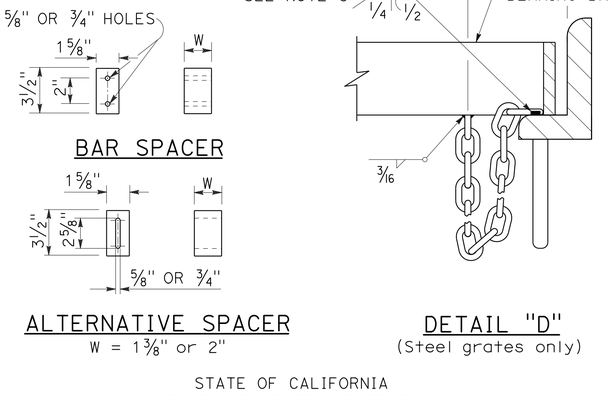
SECTION B-B

SECTION C-C

ALTERNATIVE ANCHOR FOR RECTANGULAR FRAME
(For details not shown, See Rectangular Frame Details)



ALTERNATIVE BOLTED GRATE



GRATE BAR SPACING TABLE

TYPE	No. OF BARS	CLEAR BAR SPACING	X
18-9	9	1⅜"	1 1/16"
24-9	9	2"	1 9/16"
24-12	12	1⅜"	1¼"

INLET TYPE	COVER TYPE	WEIGHT LB
OS	PLATE	174
OL-7	PLATE	170
OL-10	PLATE	170
OL-14	PLATE	170
OL-21	PLATE	170
OCP	PLATE	112
OCPI	PLATE	112
OCPI	REDWOOD	42
OMP	PLATE	177
OMPI	PLATE	177

INLET TYPE	GRATE TYPE	No. OF GRATES	WEIGHT LB
GDO	24-12	2	634
GOL-7	24-12	1	326
GOL-10	24-12	1	326
GO,G1,G2,G3,G4 (TYPE 24)	24-9	1	263
	24-12	1	326
G4 (TYPE 18),G5,G6	18-9	1	249
GT1	18-9	2	498
GT2	18-9	2	498
GT3	24-12	2	652
GT4	24-12	2	652
TRASH RACK			22
GRATE CHAIN			3

BASIS FOR Misc IRON & STEEL FINAL PAY WEIGHTS FOR DRAINAGE INLETS
(See Note 7)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

GRATE DETAILS No. 1

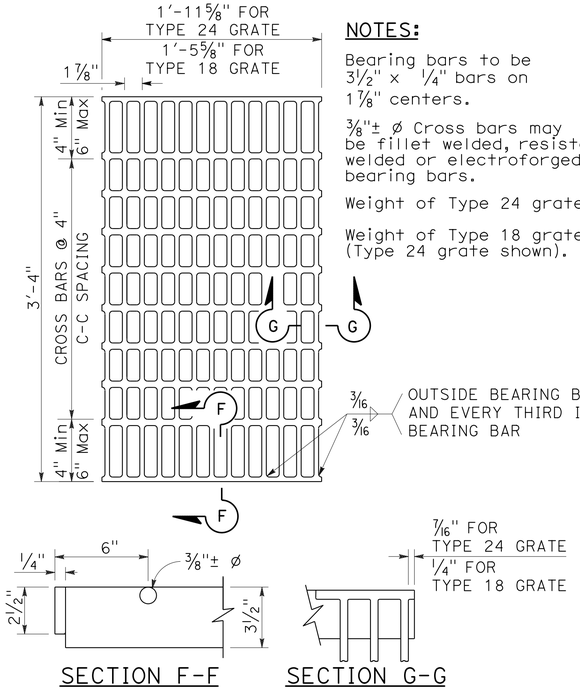
NO SCALE

RSP D77A DATED APRIL 19, 2013 SUPERSEDES RSP D77A DATED JULY 20, 2012 AND STANDARD PLAN D77A DATED MAY 20, 2011 - PAGE 164 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP D77A

2010 REVISED STANDARD PLAN RSP D77A

4-4-13



SECTION F-F SECTION G-G

NOTES:

Bearing bars to be 3½" x ¼" bars on 1⅞" centers.

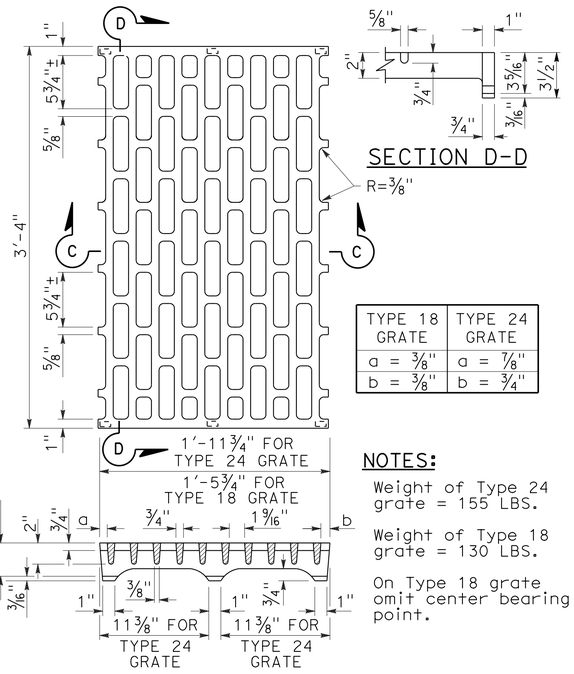
⅜"± ø Cross bars may be fillet welded, resistance welded or electroforged to bearing bars.

Weight of Type 24 grate = 141 LBS.

Weight of Type 18 grate = 107 LBS. (Type 24 grate shown).

TYPE 18-10 AND 24-13 GRATE

(Welded Steel)



TYPE 18 GRATE	TYPE 24 GRATE
a = ⅜"	a = 7/8"
b = ⅜"	b = ¾"

SECTION D-D

SECTION C-C

NOTES:

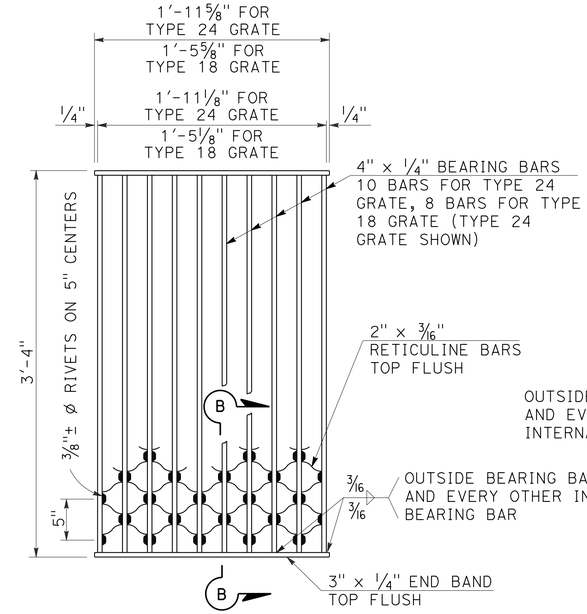
Weight of Type 24 grate = 155 LBS.

Weight of Type 18 grate = 130 LBS.

On Type 18 grate omit center bearing point.

TYPE 18-8C AND 24-10C GRATE

(Cast ductile iron)



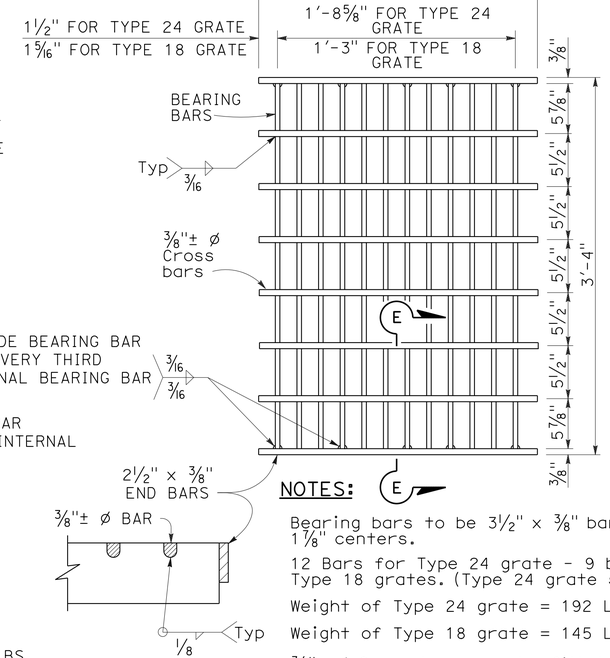
SECTION B-B

NOTES:

Weight of Type 24 grate = 182 LBS.
Weight of Type 18 grate = 145 LBS.

TYPE 18-8S AND 24-10S GRATE

(Welded Steel) Reticuline type



SECTION E-E

NOTES:

Bearing bars to be 3½" x ⅜" bars on 1⅛" centers.

12 Bars for Type 24 grate - 9 bars for Type 18 grates. (Type 24 grate shown).

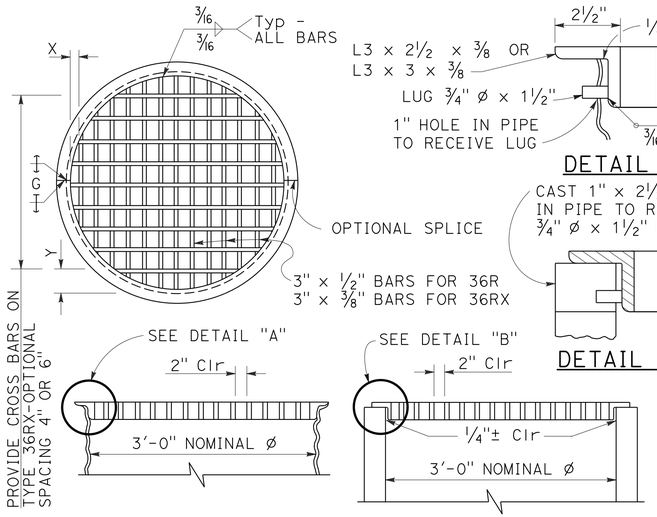
Weight of Type 24 grate = 192 LBS.

Weight of Type 18 grate = 145 LBS.

⅜"± ø Cross bars may be fillet welded, resistance welded or electroforged to bearing bars.

TYPE 18-9X AND 24-12X GRATE

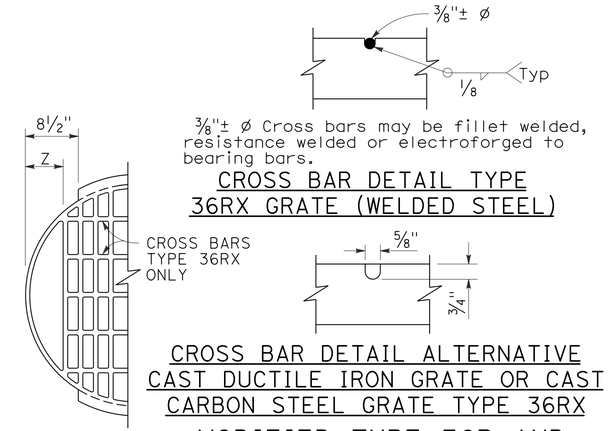
(Welded Steel)



DETAIL "A"

DETAIL "B"

TYPE 36R AND 36RX GRATE DETAILS



⅜"± ø Cross bars may be fillet welded, resistance welded or electroforged to bearing bars.

CROSS BAR DETAIL TYPE 36RX GRATE (WELDED STEEL)

CROSS BAR DETAIL ALTERNATIVE CAST DUCTILE IRON GRATE OR CAST CARBON STEEL GRATE TYPE 36RX

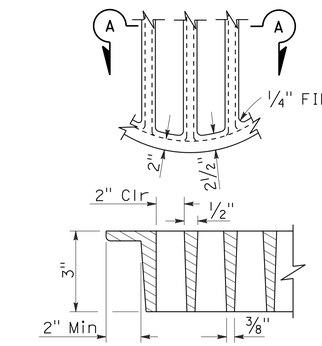
MODIFIED TYPE 36R AND 36RX GRATE FOR ODI INLET

NOTES:

1. When alternative grates are allowed - Final pay based on alternative with the lesser weight.
2. Use frame shown on Standard Plan D74A, D74B or RSP D77A as appropriate.
3. When Type 24-10S, 24-12X or 24-13 grates are used with GDO Inlets, a ¼" x 3½" x 3'-4⅞" steel bar shall be welded across the center of inlet frame to separate the individual grates.
4. See Revised Standard Plan RSP D77A for connecting chain to welded grate and frame. When chain is required, do not use cast ductile iron grate.

GRATE BAR SPACING TABLE

TYPE	No. OF BARS	CLEAR BAR SPACING	X	Y		Z
				4" SPACING	6" SPACING	
36R	13	2"	2⅛"	-	-	-
36RX (STEEL)	15	2"	9/16"	3¾"	5¾"	-
36RX (CAST)	13	2"	2⅛"	3¾"	5¾"	-
36R Mod	12	2"	2⅛"	-	-	5"
36RX Mod (STEEL)	13	2"	9/16"	3¾"	5¾"	5 11/16"
36RX Mod (CAST)	12	2"	2⅛"	3¾"	5¾"	5"



SECTION A-A

ALTERNATIVE CAST DUCTILE IRON GRATE OR CAST CARBON STEEL GRATE TYPE 36R AND 36RX

BASIS FOR Misc IRON AND STEEL FINAL PAY WEIGHTS FOR DRAINAGE INLETS

INLET TYPE	GRATE TYPE	No. OF GRATES	WEIGHT LB
GDO (SEE NOTE 4)	24-10C	2	391
	24-10S	2	456
	24-12X	2	473
	24-13	2	374
G0,G0L,G1,G2, G3,G4 (TYPE 24)	24-10C	1	202
	24-10S	1	229
	24-12X	1	239
	24-13	1	188
G4 (TYPE 18) G5,G6	18-8S	1	187
	18-9X	1	187
	18-10	1	149
GT1,GT2	18-8S	2	374
	18-9X	2	374
	18-10	2	298
GT3,GT4	24-10C	2	404
	24-10S	2	458
	24-12X	2	478
	24-13	2	376
ODI	36RX (Mod)	1	196
GMP,GCP,GCPI	36RX	1	215
ODI	36R (Mod)	1	220
GMP,GCP,GCPI	36R	1	236
TRASH RACK			22
GRATE CHAIN			3

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	279	343

Raymond Don Tsztoo
REGISTERED CIVIL ENGINEER

April 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Raymond Don Tsztoo
No. C37332
Exp. 6-30-14
CIVIL
STATE OF CALIFORNIA

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TO ACCOMPANY PLANS DATED 4-29-13

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

GRATE DETAILS No. 2

NO SCALE

RSP D77B DATED APRIL 19, 2013 SUPERSEDES RSP D77B DATED JULY 20, 2012 AND STANDARD PLAN D77B DATED MAY 20, 2011 - PAGE 165 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP D77B

2010 REVISED STANDARD PLAN RSP D77B

4-4-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	280	343

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 4-29-13

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 FOR LANE CLOSURE ON FREEWAYS AND EXPRESSWAYS

NO SCALE

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

REVISED STANDARD PLAN RSP T9

1-23-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	281	343

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 4-29-13

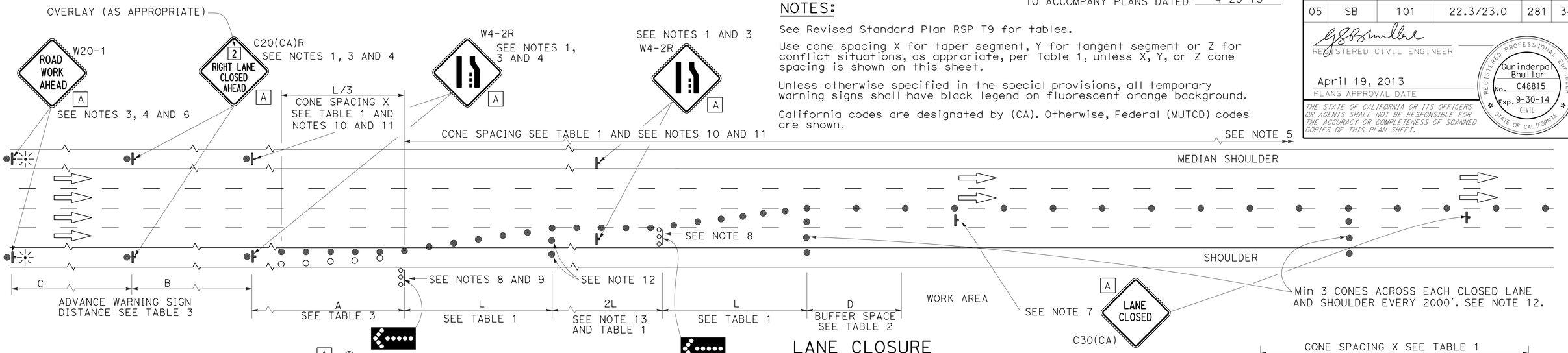
NOTES:

See Revised Standard Plan RSP T9 for tables.

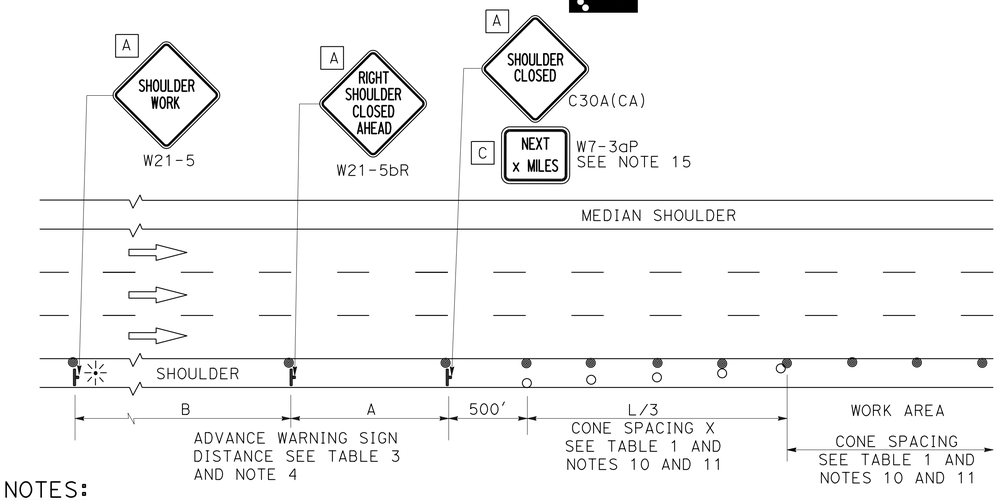
Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as approriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.

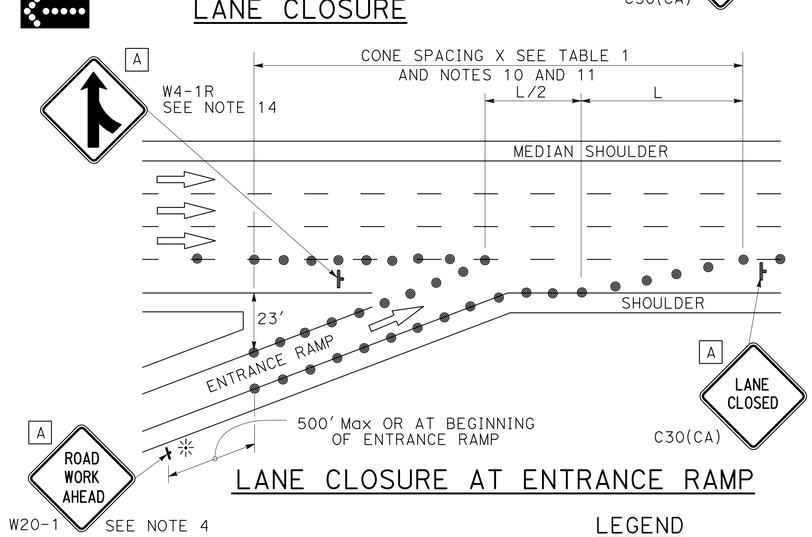
Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background.

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

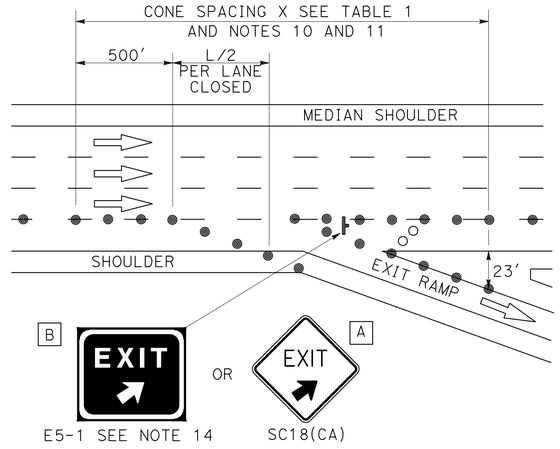


LANE CLOSURE





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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	282	343

REGISTERED CIVIL ENGINEER

April 19, 2013
PLANS APPROVAL DATE

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

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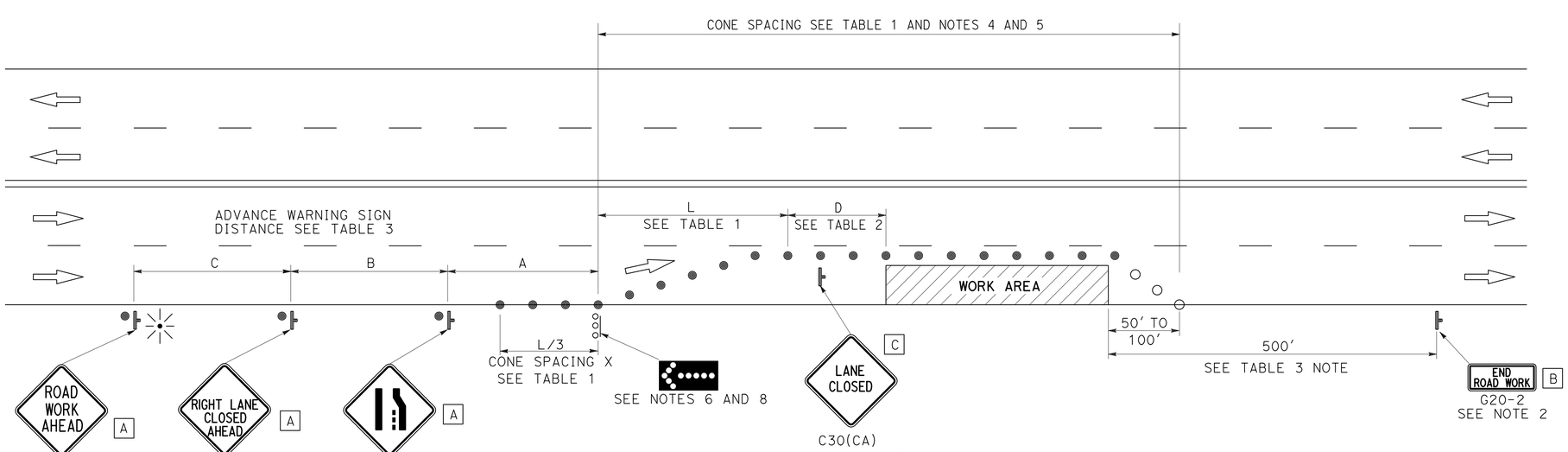
TO ACCOMPANY PLANS DATED 4-29-13



TYPICAL LANE CLOSURE

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.

NOTES:

1. Each advance warning 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. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
2. A G20-2 "END ROAD WORK" sign, 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.
3. 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.
4. All cones used for lane 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 closures only.
6. Flashing arrow sign shall be either Type I or Type II.
7. For approach speeds over 50 mph, use the "Traffic Control System for Lane Closure On Freeways And Expressways" plan for lane closure details and requirements.
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. Place a C30(CA) sign every 2000' throughout length of lane closure.
10. Median lane closures shall conform to the details as shown except that C20(CA)L and W4-2L signs shall be used.
11. At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closure unless, otherwise directed by the Engineer.

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	36" x 18"
C	30" x 30"

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON MULTILANE CONVENTIONAL HIGHWAYS

NO SCALE

RSP T11 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T11 DATED MAY 20, 2011 - PAGE 239 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T11

2010 REVISED STANDARD PLAN RSP T11

4-2-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	283	343

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 4-29-13

NOTES:

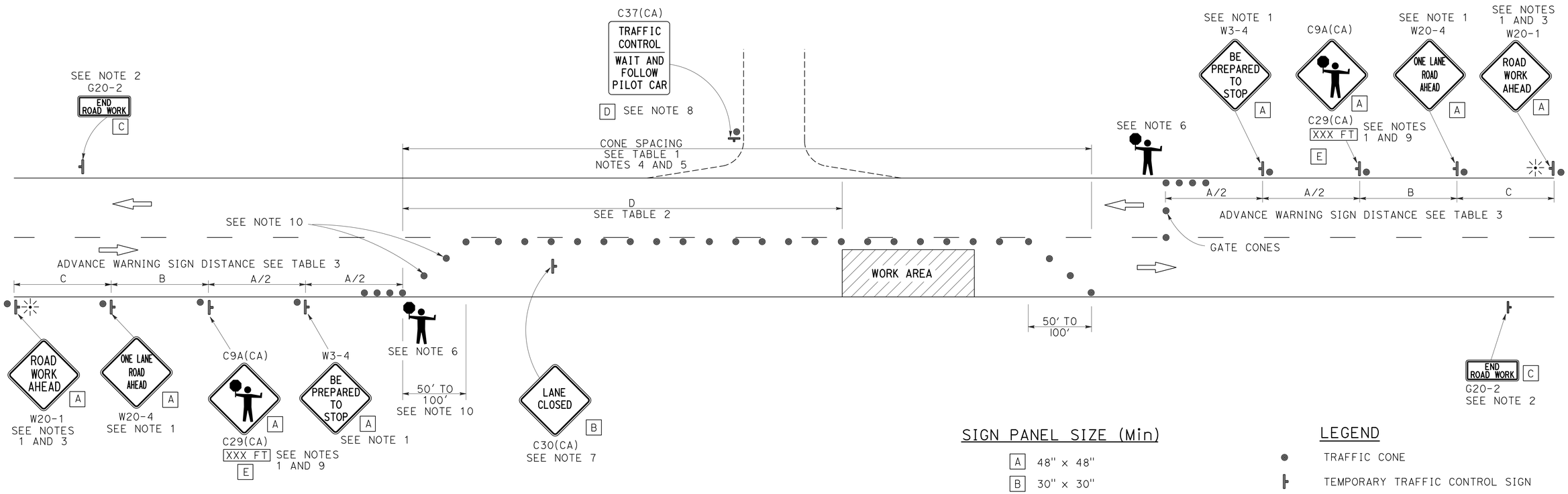
See Revised Standard Plan RSP T9 for tables.

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

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

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

TYPICAL LANE CLOSURE WITH REVERSIBLE CONTROL



SIGN PANEL SIZE (Min)

A	48" x 48"
B	30" x 30"
C	36" x 18"
D	36" x 42"
E	20" x 7"

LEGEND

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

NOTES:

1. Each advance warning sign in each direction of travel 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.
2. A G20-2 "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane control unless the end of work area is obvious, or ends within a larger project's limits.
3. If the W20-1 sign would follow within 2000' of a stationary W20-1 or G20-1 "ROAD WORK NEXT _____ MILES", use a W20-4 sign for the first advance warning sign.
4. All cones used for lane 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 closures only.
6. Additional advance flaggers may be required. Flagger should stand in a conspicuous place, be visible to approaching traffic as well as approaching vehicles after the first vehicle has stopped. During the hours of darkness, the flagging-station and flagger shall be illuminated and clearly visible to approaching traffic. The illumination footprint of the lighting on the ground shall be at least 20' in diameter. Place a minimum of four cones at 50' intervals in advance of flagger station as shown.
7. Place C30(CA) "LANE CLOSED" sign at 500' to 1000' intervals throughout extended work areas. They are optional if the work area is visible from the flagger station.
8. When a pilot car is used, place a C37(CA) "TRAFFIC CONTROL-WAIT AND FOLLOW PILOT CAR" sign with black legend on white background at all intersections, driveways and alleys without a flagger within traffic control area. Signs shall be clean and visible at all times. Where traffic can not be effectively self-regulated, at least one flagger shall be used at each intersection within traffic control area.
9. An optional C29(CA) sign may be placed below the C9A(CA) sign.
10. Either traffic cones or barricades shall be placed on the taper. Barricades shall be Type I, II, or III.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON TWO LANE CONVENTIONAL HIGHWAYS

NO SCALE

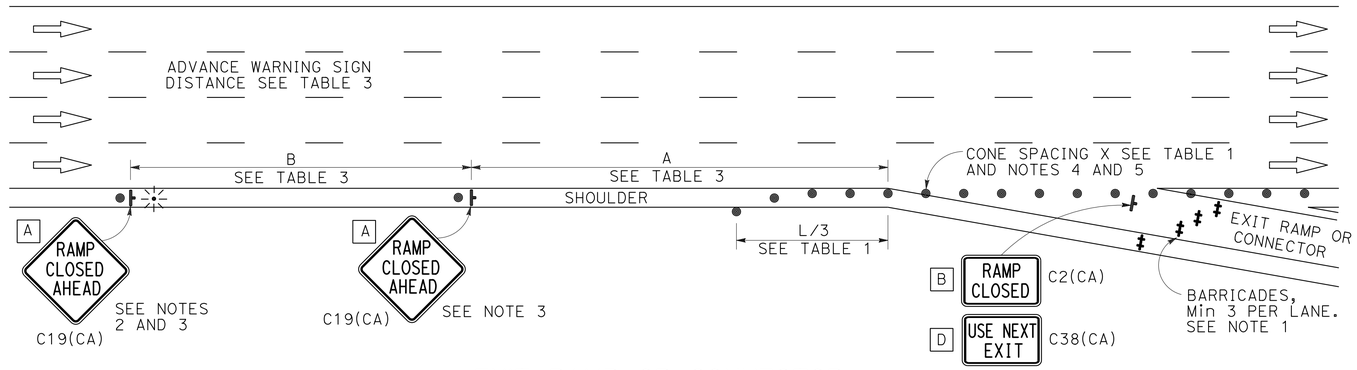
RSP T13 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T13 DATED MAY 20, 2011 - PAGE 241 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T13

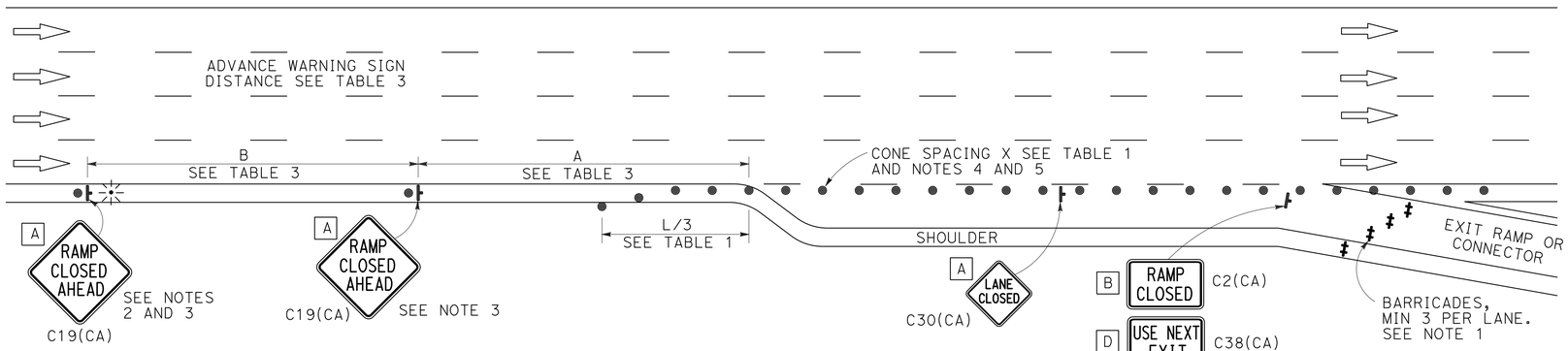
2010 REVISED STANDARD PLAN RSP T13

4-2-13

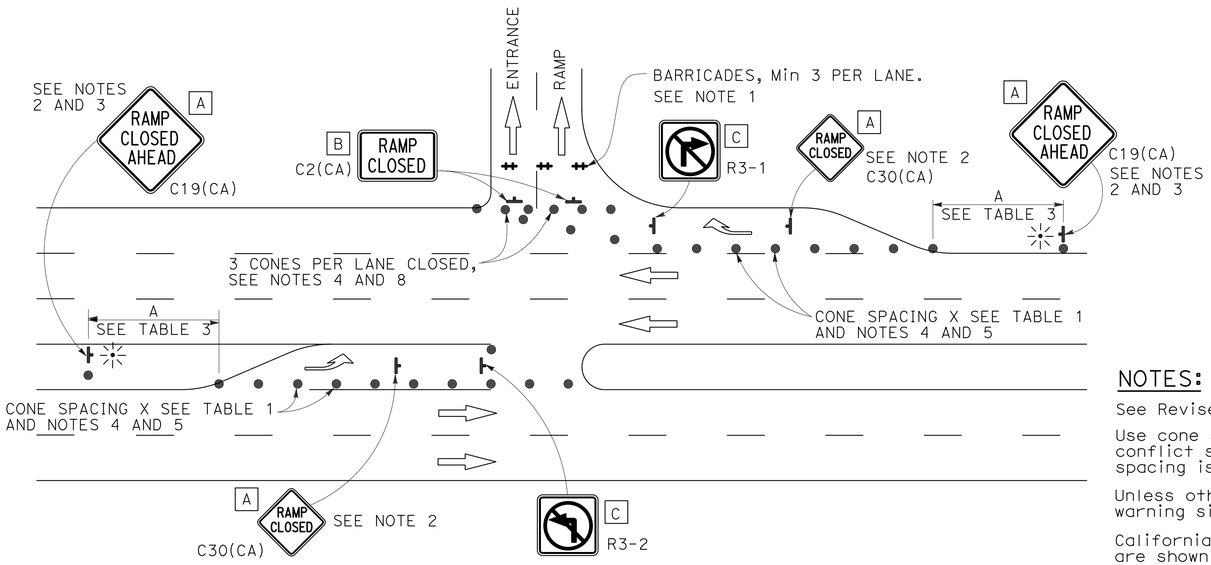
TYPICAL RAMP CLOSURES



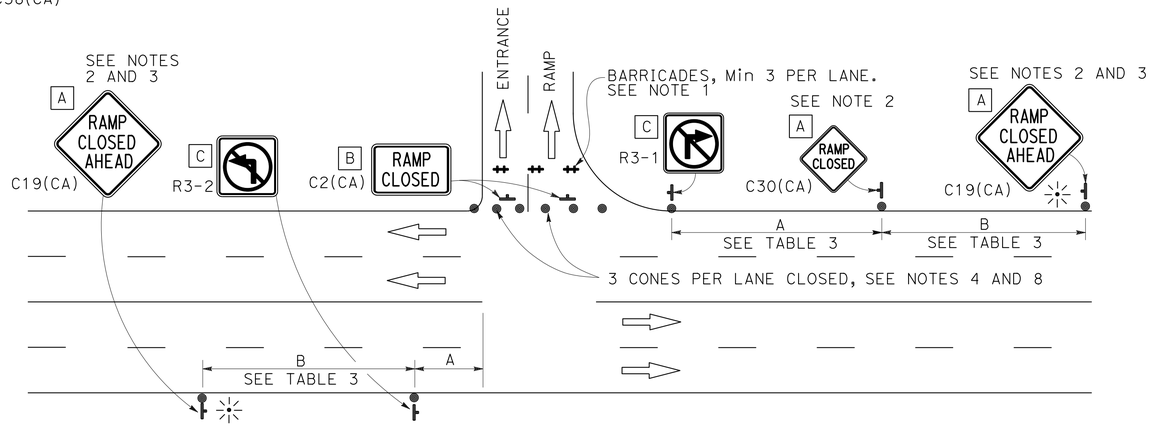
EXIT RAMP OR CONNECTOR



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
05	SB	101	22.3/23.0	284	343

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 4-29-13

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	285	343

REGISTERED CIVIL ENGINEER

April 20, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Tillat Satter
No. C42892
Exp. 3-31-14
CIVIL
STATE OF CALIFORNIA

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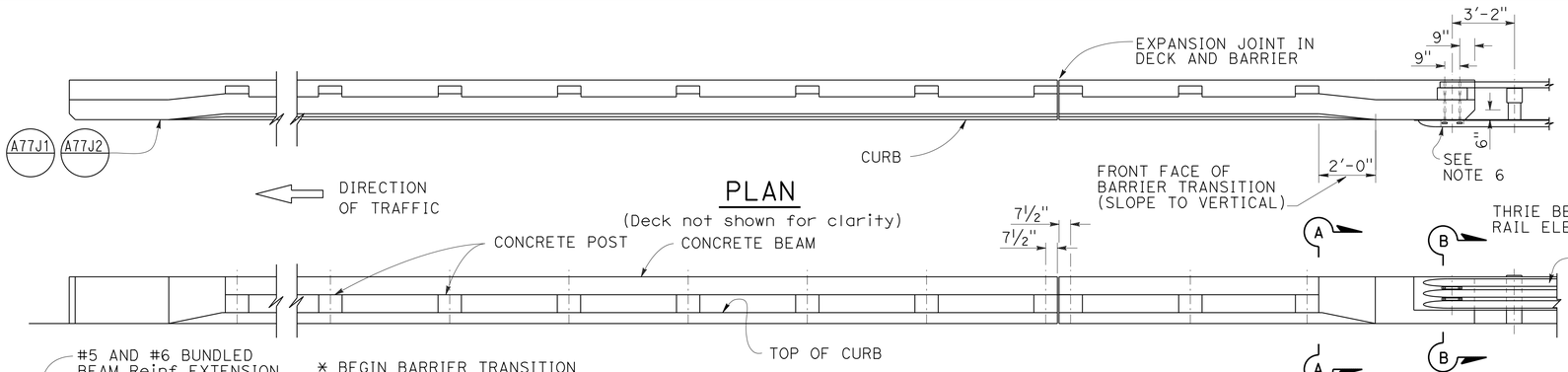
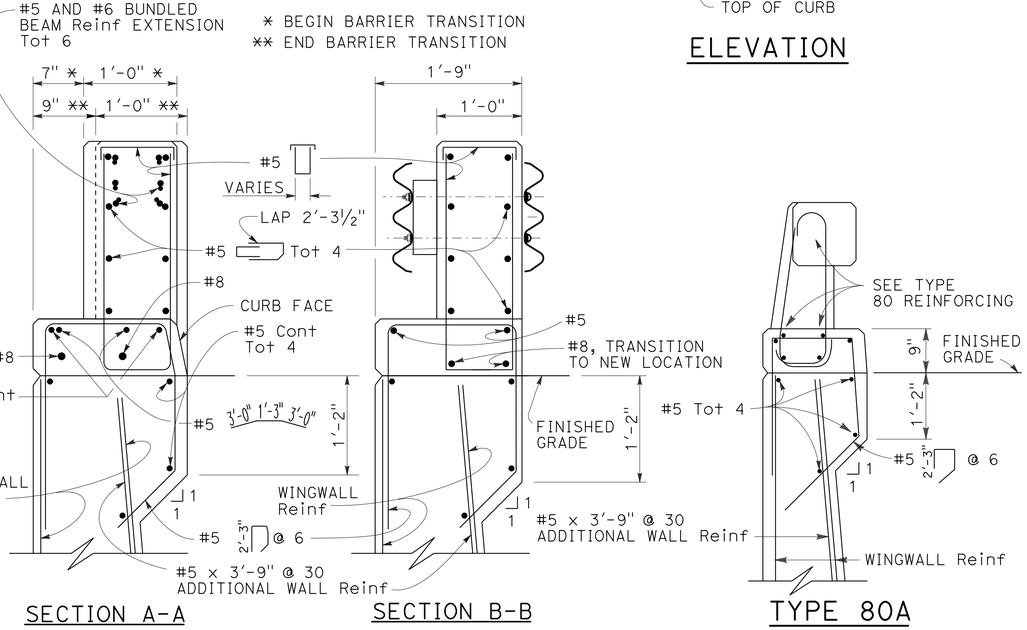
TO ACCOMPANY PLANS DATED 4-29-13



PLAN

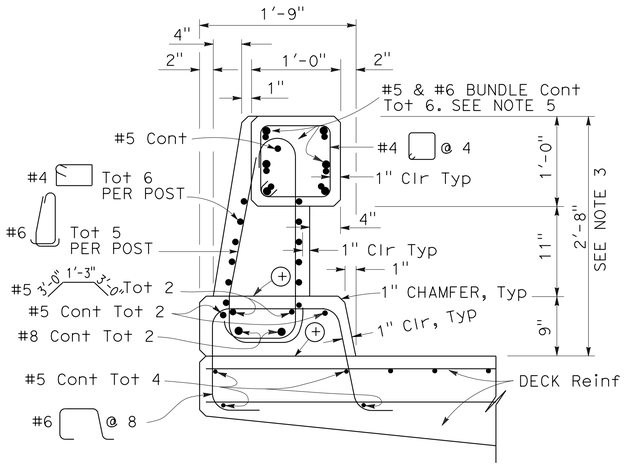
(Deck not shown for clarity)

ELEVATION



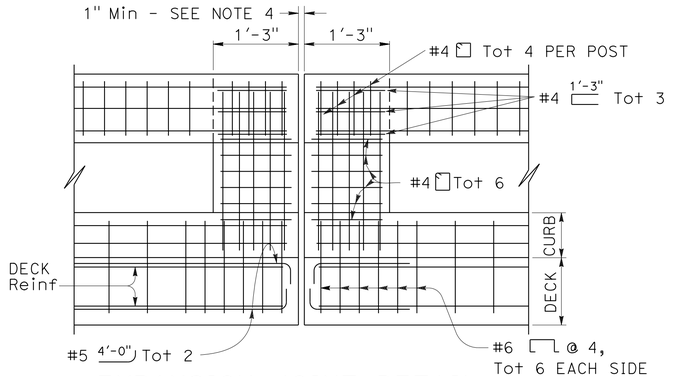
SECTION A-A SECTION B-B

TYPE 80A

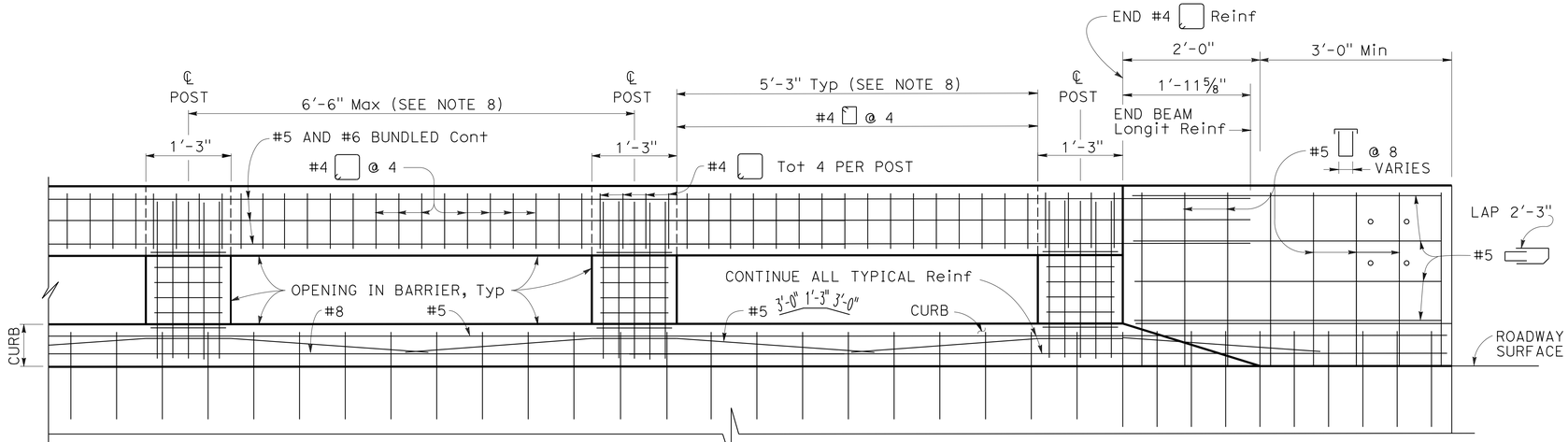


TYPE 80

⊕ Construction joint



EXPANSION JOINT DETAIL



LONGITUDINAL SECTION

(Deck or wingwall reinforcing not shown)

NOTES:

1. Walls are to be backfilled before the barrier is placed.
2. Longitudinal reinforcing steel to stop at all expansion joints.
3. The front face dimensions are to be constant above the finish roadway profile, but the overall height will vary with certain thicknesses of surfacing and roadway slopes.
4. Expansion joint to match deck joint.
5. No lap splicing allowed on the longitudinal rail reinforcing. Splicing shall be staggered.
6. For typical metal railing connection details not shown, see Standard Plans A77J1 and A77J2.
7. Chain link railing is not allowed on Type 80 Barriers.
8. Post to be spaced equally, typically 6'-6" spacing. Post spacing may be reduced where location of hinges or expansion joints or the length of wingwalls will not accommodate the 6'-6" spacing. Maximum see-through availability is to be strived for, where 6'-6" post spacing can not be achieved.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONCRETE BARRIER TYPE 80 (SHEET 1 OF 2)

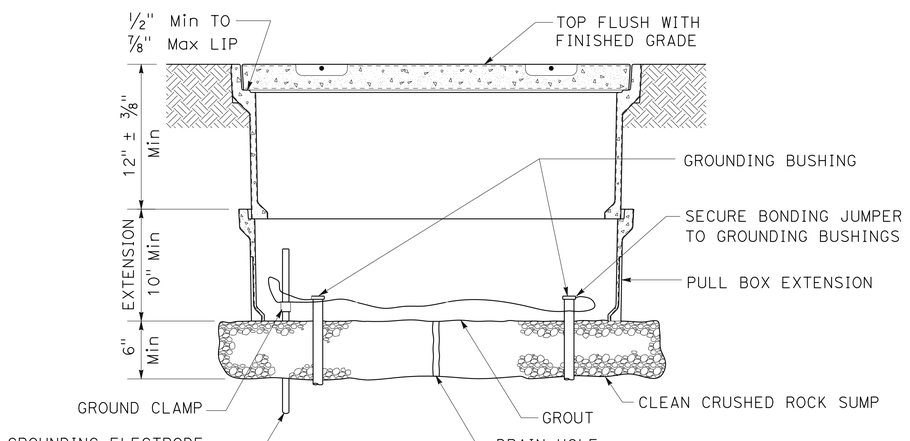
NO SCALE

RSP B11-60 DATED APRIL 20, 2012 SUPERSEDES STANDARD PLAN B11-60 DATED MAY 20, 2011 - PAGE 300 OF THE STANDARD PLANS BOOK DATED 2010.

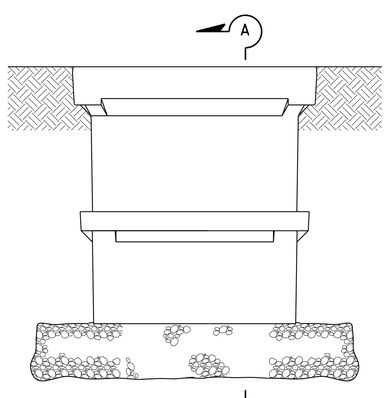
REVISED STANDARD PLAN RSP B11-60

2010 REVISED STANDARD PLAN RSP B11-60

4-5-12



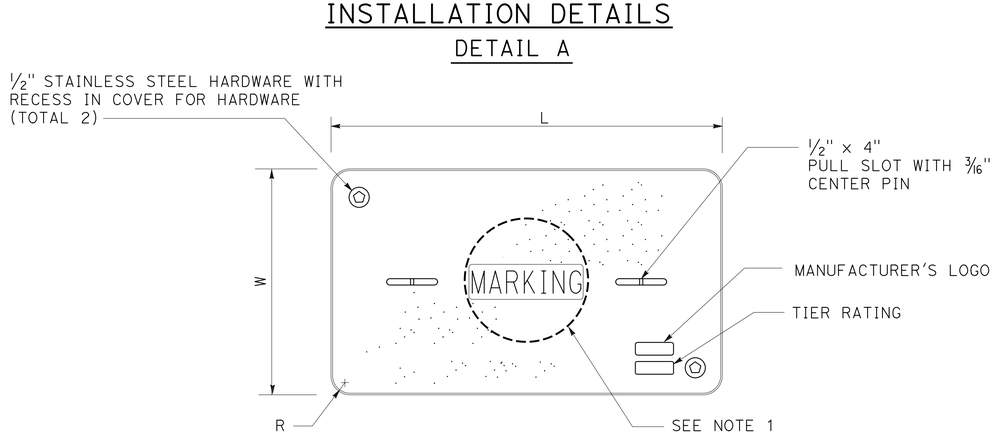
SECTION A-A



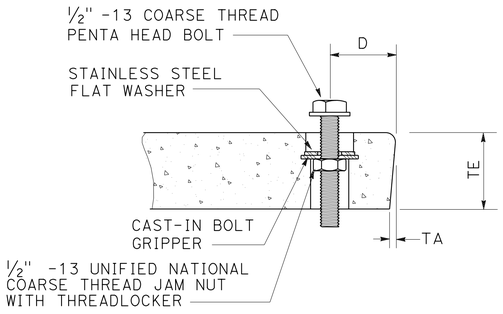
SIDE VIEW

INSTALLATION DETAILS

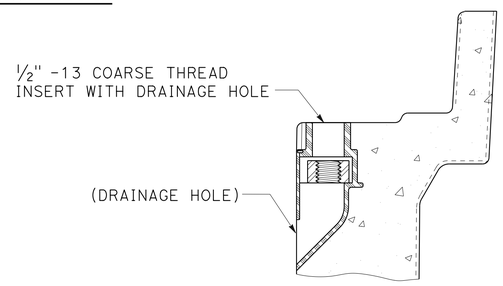
DETAIL A



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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	SB	101	22.3/23.0	286	343

Jeffery G. McRae
REGISTERED ELECTRICAL ENGINEER

January 20, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Jeffery G. McRae
No. E14512
Exp. 6-30-12
ELECTRICAL
STATE OF CALIFORNIA

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TO ACCOMPANY PLANS DATED 4-29-13

NOTES ON PULL BOXES:

1. Pull box covers must 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 street or sign lighting circuits.
   2) "ST LIGHTING" - Street 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 street or sign lighting circuits.
   2) "STREET LIGHTING" - Street or sign lighting circuits where voltage is under 600 V.
   3) "STREET LIGHTING-HIGH VOLTAGE" - Street 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.

2. The nominal dimensions of the opening in which the cover sets must be the same as the cover dimensions (L and W) plus ⅛" or greater.
3. Covers and boxes must be interchangeable with California Standard. When interchanged with a standard, the top surfaces must be flush within ⅛". Top outside radius of covers and pull boxes must 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.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (PULL BOX)

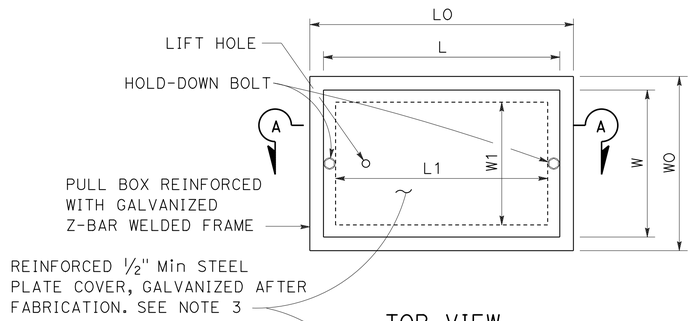
NO SCALE

RSP ES-8A DATED JANUARY 20, 2012 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

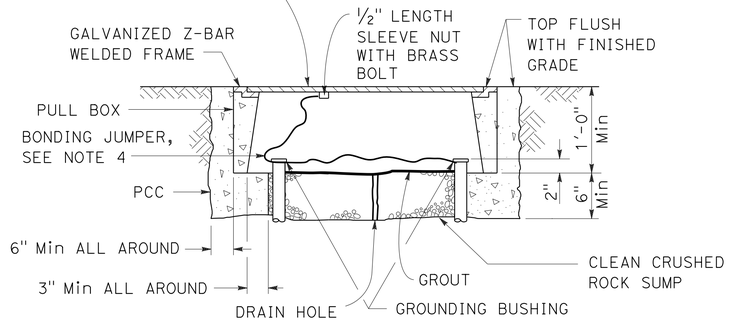
REVISED STANDARD PLAN RSP ES-8A

2010 REVISED STANDARD PLAN RSP ES-8A

01-09-12



TOP VIEW



SECTION A-A

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

DIMENSION TABLE											
PULL BOX	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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	SB	101	22.3/23.0	287	343

Jeffery G. McRae
REGISTERED ELECTRICAL ENGINEER

January 20, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Jeffery G. McRae
No. E14512
Exp. 6-30-12
ELECTRICAL
STATE OF CALIFORNIA

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TO ACCOMPANY PLANS DATED 4-29-13

NOTES ON PULL BOXES:

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 must 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 street or sign lighting circuits.
      2) "ST LIGHTING" - Street 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 street or sign lighting circuits.
      2) "STREET LIGHTING" - Street or sign lighting circuits where voltage is under 600 V.
      3) "STREET LIGHTING-HIGH VOLTAGE" - Street 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.
4. Bonding jumper for metal covers shall be 3' long, minimum.
5. The nominal dimensions of the opening in which the cover sets must be the same as the cover dimensions except the length and width dimensions shall be ⅛" greater.
6. Covers and boxes must be interchangeable with California standard male and female gages. When interchanged with a standard male or female gage, the top surfaces must be flush within ⅛".

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (TRAFFIC RATED PULL BOX)

NO SCALE

RSP ES-8B DATED JANUARY 20, 2012 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-8B

2010 REVISED STANDARD PLAN RSP ES-8B

01-05-12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	288	343

Jeffery G. McRae
REGISTERED ELECTRICAL ENGINEER

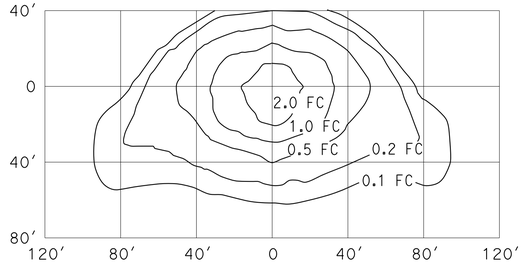
July 20, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Jeffery G. McRae
No. E14512
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 4-29-13

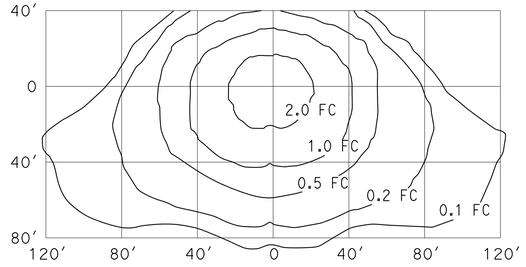
ISOFOOTCANDLE CURVE - MINIMUM



TYPE III MEDIUM CUTOFF

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

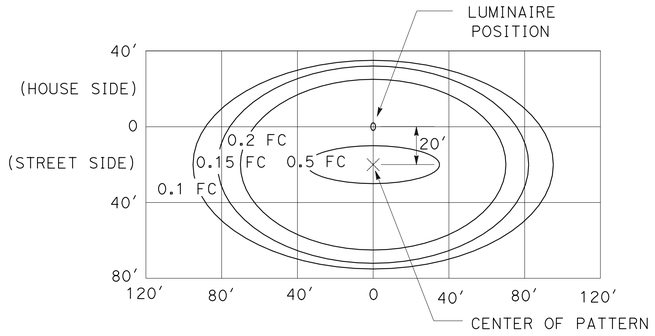
ISOFOOTCANDLE CURVE - MINIMUM



TYPE III MEDIUM CUTOFF

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

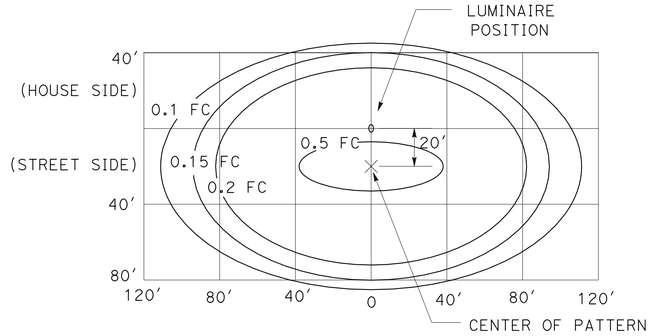
ISOFOOTCANDLE CURVE - MINIMUM



LED LUMINAIRE ROADWAY 1

200-W HPS Equivalent at 34′ Mounting Height

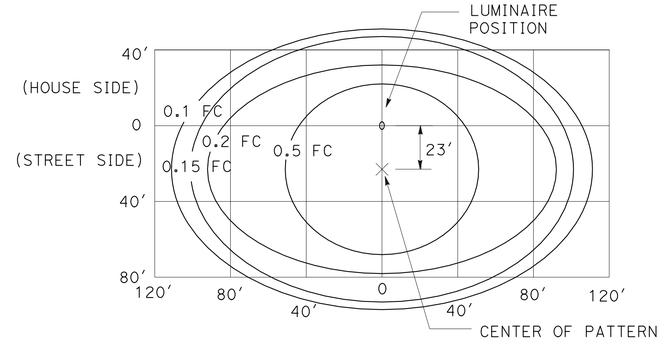
ISOFOOTCANDLE CURVE - MINIMUM



LED LUMINAIRE ROADWAY 2

310-W HPS Equivalent at 40′ Mounting Height

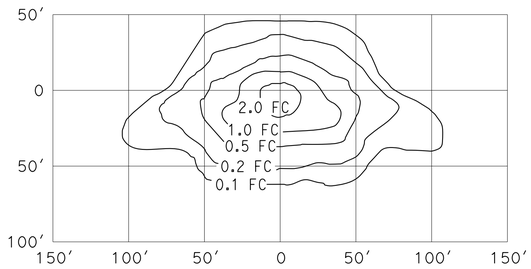
ISOFOOTCANDLE CURVE - MINIMUM



LED LUMINAIRE ROADWAY 4

400-W HPS Equivalent at 40′ Mounting Height

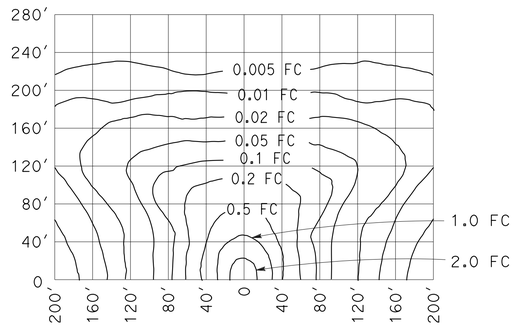
ISOFOOTCANDLE CURVE - MINIMUM



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 20, 2012 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-10A

2010 REVISED STANDARD PLAN RSP ES-10A

2-16-12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	289	343

Jeffery G. McRae
REGISTERED ELECTRICAL ENGINEER

July 20, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Jeffery G. McRae
No. E14512
Exp. 6-30-14
ELECTRICAL
STATE OF CALIFORNIA

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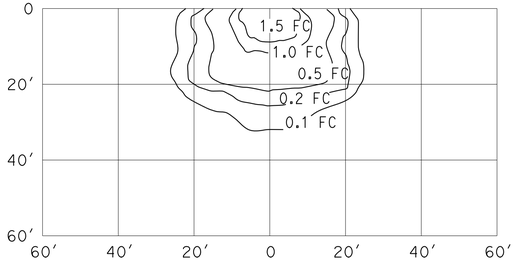
TO ACCOMPANY PLANS DATED 4-29-13

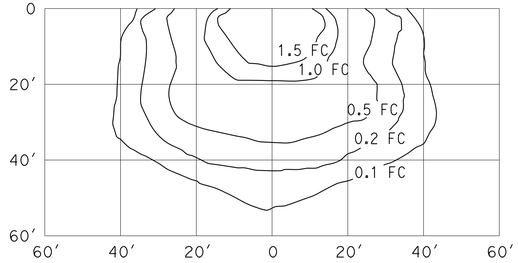
ISOFOOTCANDLE CURVE - MINIMUM



WALL LUMINAIRE

15′ Mounting Height
Lamp operated at 5,800 lm
70-W high pressure sodium lamp
ANSI Designation S62

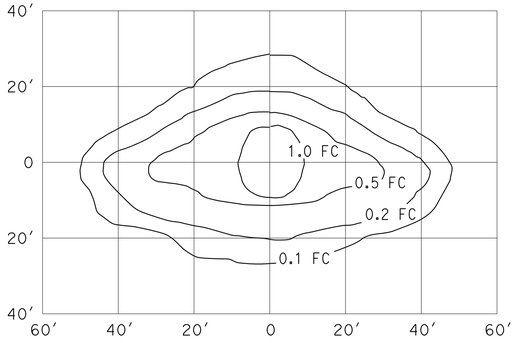
ISOFOOTCANDLE CURVE - MINIMUM



WALL LUMINAIRE

15′ Mounting Height
Lamp operated at 9,500 lm
100-W high pressure sodium lamp
ANSI Designation S54

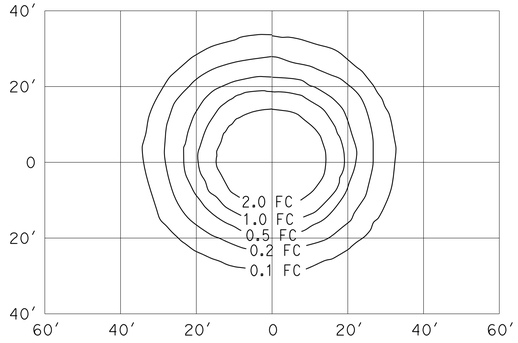
ISOFOOTCANDLE CURVE - MINIMUM



PENDANT SOFFIT LUMINAIRE
TYPE III SHORT

17′ Mounting Height
Lamp operated at 5,800 lm
70-W high pressure sodium lamp
ANSI Designation S62

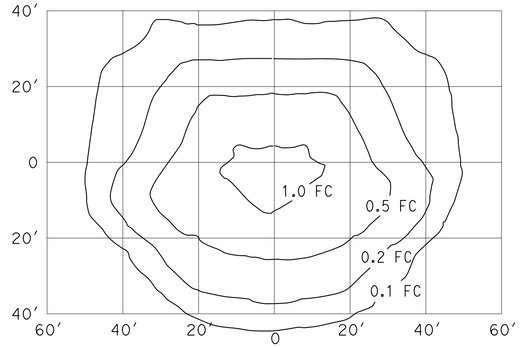
ISOFOOTCANDLE CURVE - MINIMUM



PENDANT SOFFIT LUMINAIRE

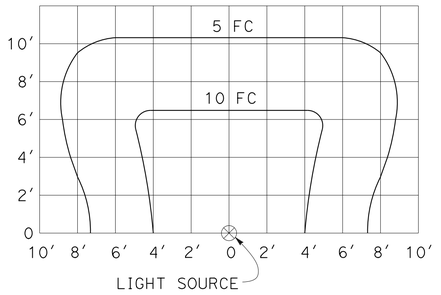
17′ Mounting Height
Lamp operated at 5,800 lm
70-W high pressure sodium lamp
ANSI Designation S62

ISOFOOTCANDLE CURVE - MINIMUM



FLUSH SOFFIT LUMINAIRE

17′ Mounting Height
Lamp operated at 5,800 lm
70-W high pressure sodium lamp
ANSI Designation S62



SIGN LIGHTING FIXTURE
ISOFOOTCANDLE DIAGRAM

NOTES:

1. Curves represent the minimum footcandle (FC) of initial illumination on a 10′-0" x 20′-0" panel.
2. The FC shown are with the fixture attached to the light fixture mounting channel which places the center of the source 4′-8" in front of panel and 1′-0" below the bottom edge.
3. Applicable lamp: 85-W fluorescent phosphor coated induction lamp.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (ISOFOOTCANDLE DIAGRAMS)

NO SCALE

RSP ES-10B DATED JULY 20, 2012 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-10B

2010 REVISED STANDARD PLAN RSP ES-10B

2-14-12

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	290	343

MJ Cullen 1-17-13
REGISTERED CIVIL ENGINEER DATE

4-29-13
PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER — M. J. CULLEN — No. C 40620 — Exp. 03-31-13 — CIVIL — STATE OF CALIFORNIA

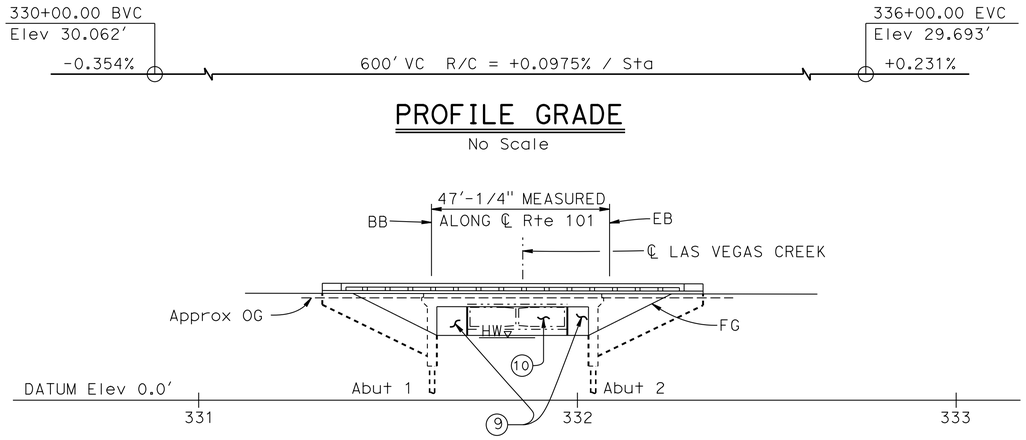
LEGEND:

Limits of Reinforced Concrete Box Culvert (Br No. 51-167) removal, see "Road Plans"

Indiates existing structure

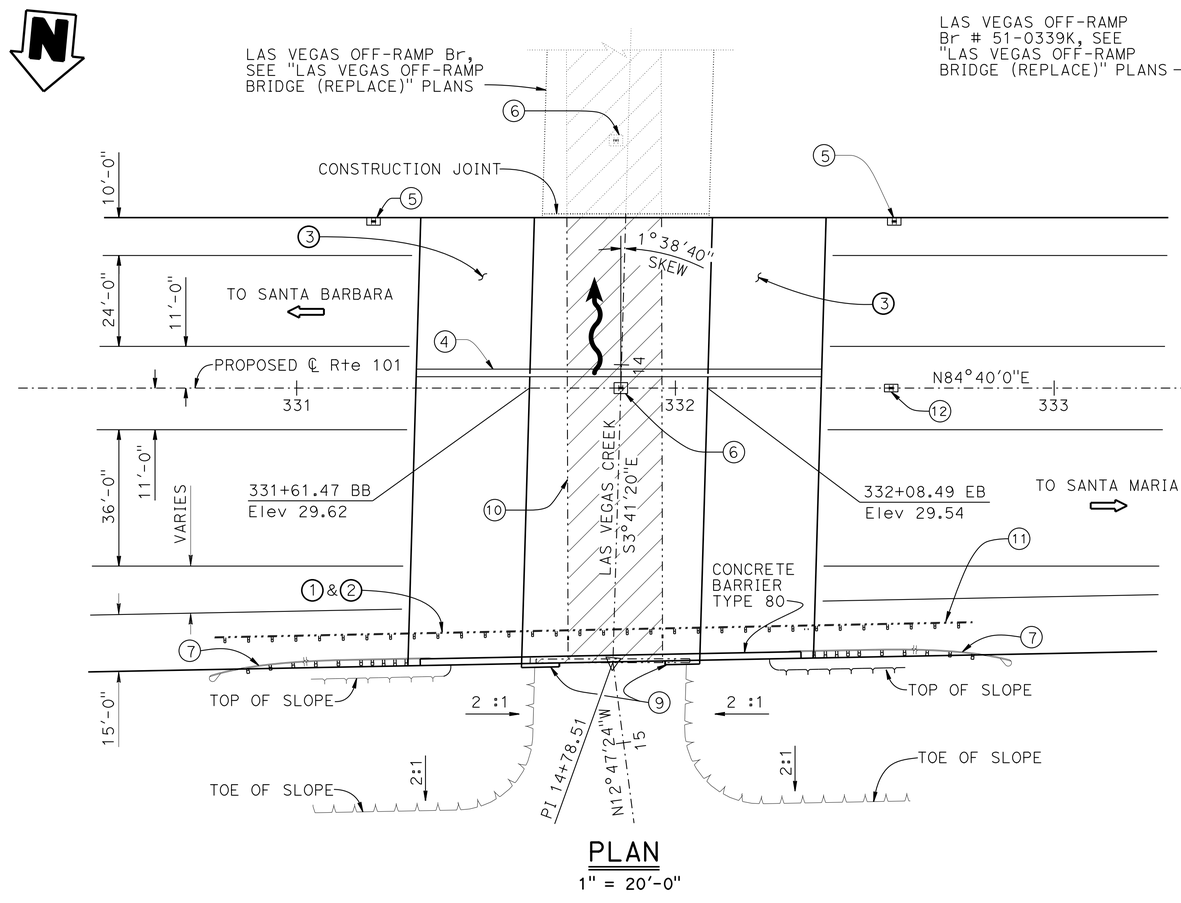
Indiates new structure

* For Stage Construction, see "TYPICAL SECTION" sheet

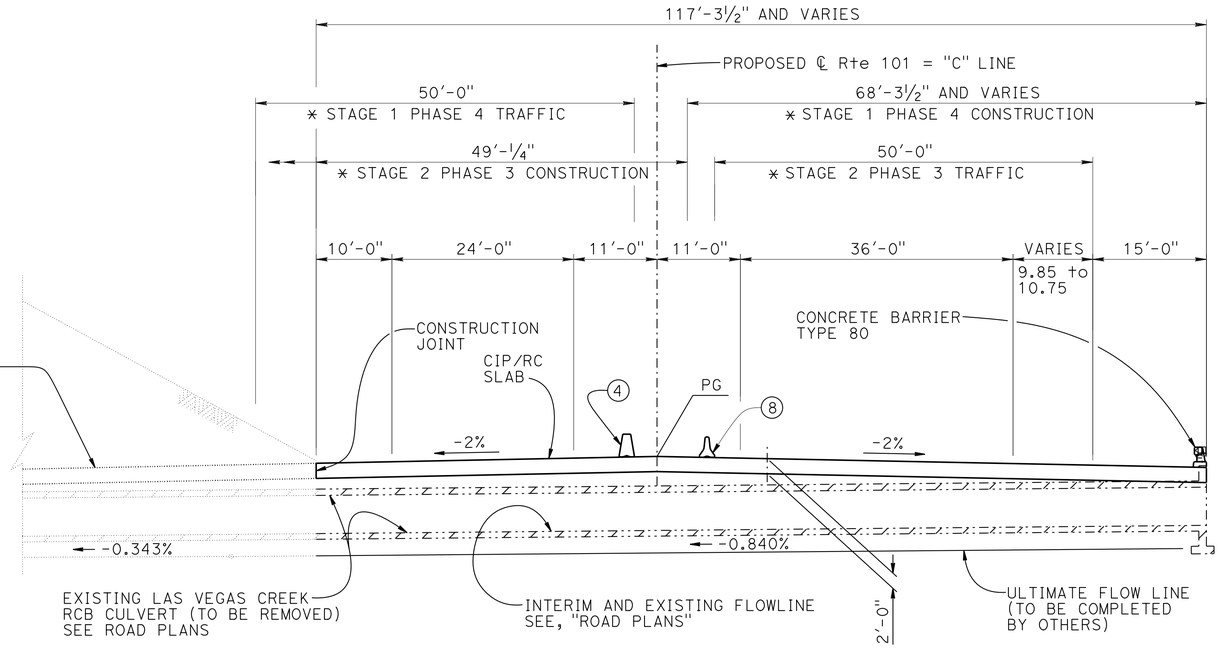


PROFILE GRADE
No Scale

ELEVATION
1" = 20'-0"



PLAN
1" = 20'-0"



TYPICAL SECTION
1" = 10'-0"

Notes:

1. Paint "LAS VEGAS CREEK BRIDGE"
2. Paint "Br. No. 51-0339" and year constructed
3. Structure Approach Type N(30D)
4. Concrete Barrier Type 60A (Mod) with scuppers located on bridge deck and approach slab
5. Drainage Inlets (Type G2), see "Road Plans"
6. Remove Existing Drainage Inlets, see "Road Plans"
7. MBGR, see "Road Plans"
8. Temporary Railing (Type K), see "Road Plans". For stage construction limits, see "TYPICAL SECTION" sheet
9. Construct a closure wall that is to be removeed in the future for 25-year storm event
10. Remove Existing Las Vegas Creek RCB Culvert, see "Road Plans"
11. Remove Existing Exist MBGR, see "Road Plans"
12. Drainage Inlets, see "Road Plans"

QUANTITIES

STRUCTURE EXCAVATION (TYPE A)	1,030	CY
STRUCTURE BACKFILL (BRIDGE)	378	CY
FURNISH 24" STEEL PIPE PILING	2,331	LF
DRIVE 24" STEEL PIPE PILE	42	EA
SEAL COURSE CONCRETE	156	CY
STRUCTURAL CONCRETE, BRIDGE FOOTING	140	CY
STRUCTURAL CONCRETE, BRIDGE	794	CY
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE N)	260	CY
JOINT SEAL (MR½")	235	LF
BAR REINFORCING STEEL (BRIDGE)	159,348	LB
HEADED BAR REINFORCEMENT	1,180	EA
CONCRETE BARRIER (TYPE 60A MODIFIED)	107	LF
CONCRETE BARRIER (TYPE 80)	101	LF

FRITZ HOFFMAN
DESIGN ENGINEER

DESIGN	BY X. CHEN	CHECKED M. CULLEN / PEREZ	LOAD & RESISTANCE FACTOR DESIGN	LIVE LOADING: HL93 W/"LOW-BOY"; PERMIT DESIGN VEHICLE	
DETAILS	BY D. PATO/S. NG/K. CHONKRIA	CHECKED MIKE CULLEN	LAYOUT	BY X. CHEN	CHECKED M. CULLEN
QUANTITIES	BY HILARIO TUAZON	CHECKED GLORIA REYES-GUTIERREZ	SPECIFICATIONS	BY V. RENGANATHAN	PLANS AND SPECS COMPARED V. RENGANATHAN

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 6

UNIT: 3591
PROJECT NUMBER & PHASE: 0500000055 & 1 CONTRACT NO.: 0G0701

BRIDGE NO. 51-0339
POST MILE 22.3-23.0

LAS VEGAS CREEK BRIDGE (REPLACE)
GENERAL PLAN

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES			SHEET	OF
09-01-10	10-01-12	11-01-12	1	17

USERNAME => s1216l4 DATE PLOTTED => 13-MAY-2013 TIME PLOTTED => 14:09

STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REV.09-01-10)

FILE => 51_0339-a-gp01.dgn

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	291	343

MJ Cullen 1-17-13
REGISTERED CIVIL ENGINEER DATE

4-29-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — M. J. CULLEN — No. C 40620 — Exp. 03-31-13 — CIVIL — STATE OF CALIFORNIA

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INDEX TO PLANS

STANDARD PLANS DATED 2010

A10A	ACRONYMS AND ABBREVIATIONS (SHEET 1 OF 2)
A10B	ACRONYMS AND ABBREVIATIONS (SHEET 2 OF 2)
A10C	LINES AND SYMBOLS (SHEET 1 OF 3)
A10D	LINES AND SYMBOLS (SHEET 2 OF 3)
A10E	LINES AND SYMBOLS (SHEET 3 OF 3)
A10F	LEGEND - SOIL (SHEET 1 OF 2)
A10G	LEGEND - SOIL (SHEET 2 OF 2)
A10H	LEGEND - ROCK
A62C	LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL - BRIDGE
A76A	CONCRETE BARRIER TYPE 60A
B0-1	BRIDGE DETAILS
B0-3	BRIDGE DETAILS
B0-5	BRIDGE DETAILS
B0-13	BRIDGE DETAILS
B2-8	PILE DETAILS CLASS 200
B11-60	CONCRETE BARRIER TYPE 80 SHEET (1 OF 2)

STANDARD PLAN SHEET NO.

DETAIL NO.

GENERAL NOTES
LOAD AND RESISTANCE FACTOR DESIGN

DESIGN:

AASHTO LRFD Bridge Design Specifications,
Fourth Edition with Caltrans Amendments 12-07-2011

SEISMIC DESIGN:

Caltrans Seismic Design Criteria SDC Version 1.6, December, 2010

DEAD LOAD:

Includes 35 psf for future wearing surface.

LIVE LOADING:

HL93 and permit design load.

SEISMIC LOADING:

Site Specific See ARS Curve.

REINFORCED CONCRETE:

f_y = 60 ksi
f_c = 4.0 ksi
n = 8

STRUCTURAL STEEL:

f_y = ASTM A709 Grade 50

SOIL PARAMETERS:

(For determination of design lateral earth pressures)
$\Phi = 32°$ $\gamma = 120$ pcf

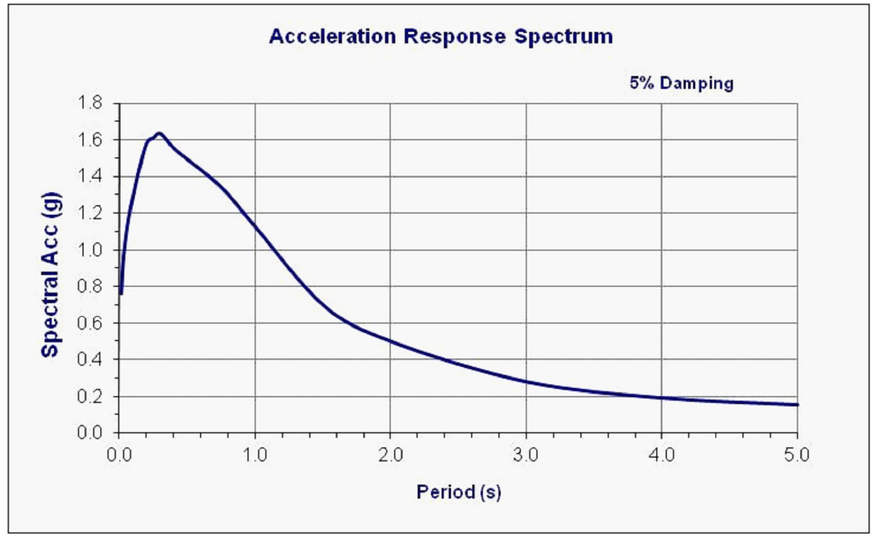
FAULT NAME	FAULT TYPE	MOMENT MAGNITUDE OF MAXIMUM CREDIBLE EARTHQUAKE	DISTANCE FROM FAULT TO PROJECT SITE (MILES)	PEAK GROUND ACCELERATION T=0 SEC (GRAVITY)
SAN JOSE FAULT	REVERSE	6.3	0.7	0.61
MORE RANCH FAULT	REVERSE	7.2	0.7	0.51

PILE DATA TABLE

LOCATION	PILE TYPE	NOMINAL RESISTANCE (KIPS)		DESIGN TIP ELEVATIONS (FT)	SPECIFIED TIP ELEVATIONS (FT)	NOMINAL DRIVING RESISTANCE (KIPS)
		COMPRESSION	TENSION			
ABUTMENT 1	24" X ½" STEEL PIPE PILE	269	N/A	-31(a), -14(a-II), -31(b), -5(c)	-31	269
ABUTMENT 2	24" X ½" STEEL PIPE PILE	269	N/A	-31(a), -14(a-II), -31(b), -5(c)	-31	269

NOTES:
1) Design tip elevations for Abutments are controlled by: (a) Compression, (b) Lateral, (c) Settlement.

2) The specified tip elevation shall not be raised above the design tip elevations for tension load, lateral load, and tolerable settlement.



ARS CURVE

DESIGN	BY MIKE CULLEN	CHECKED X. CHEN/H. PEREZ	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 6	BRIDGE NO. 51-0339
DETAILS	BY K. CHONKRIA	CHECKED MIKE CULLEN			POST MILE 22.3-23.0
QUANTITIES	BY HILARIO TUAZON	CHECKED GLORIA REYES-GUTIERREZ			

LAS VEGAS CREEK BRIDGE (REPLACE)
INDEX TO PLANS

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3591
PROJECT NUMBER & PHASE: 0500000055 & 1 CONTRACT NO.: 0G0701

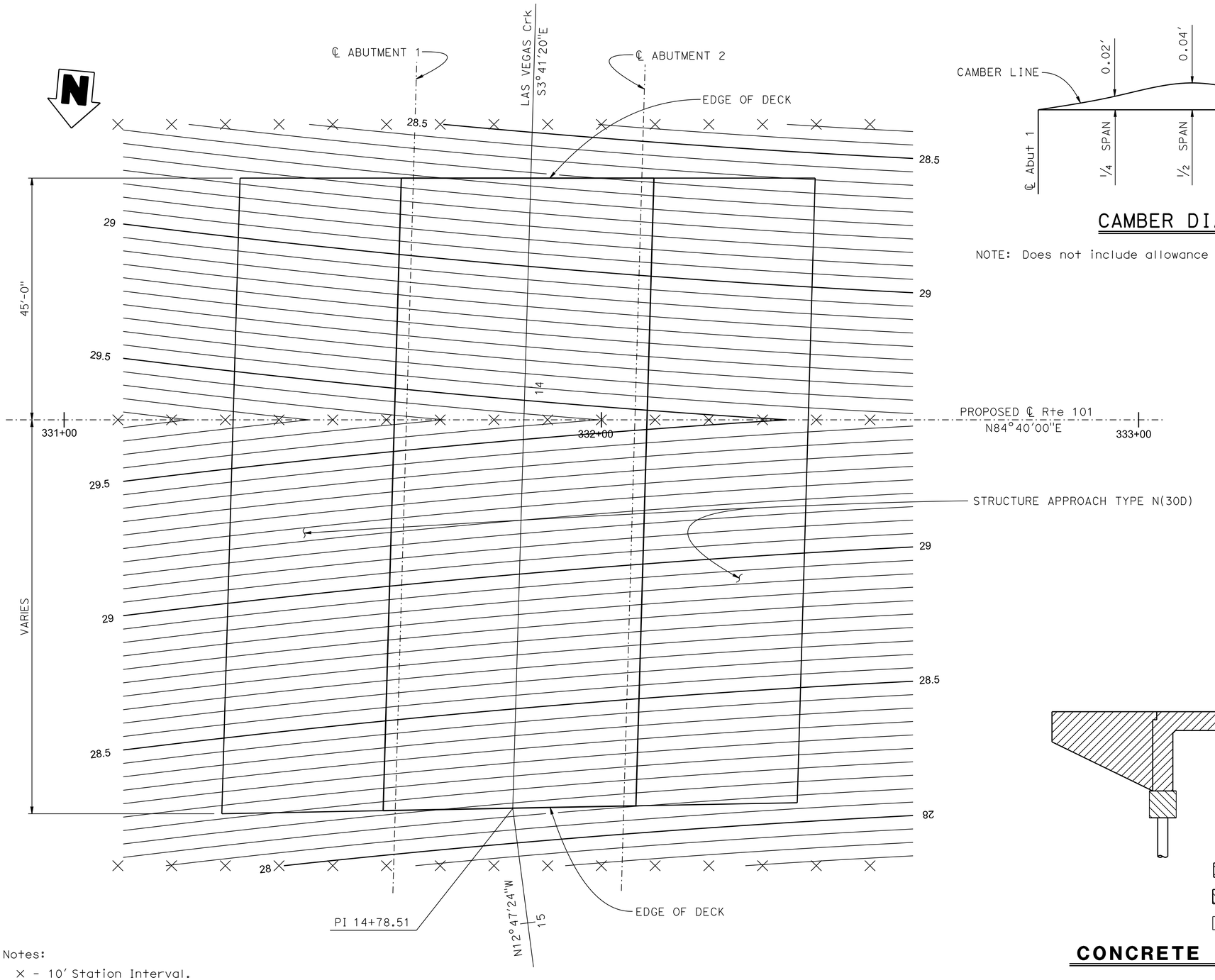
DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES: 08-03-12 | 10-09-12

SHEET 2 OF 17

FILE => 51_0339-a-itp.dgn

USERNAME => s124496 DATE PLOTTED => 03-MAY-2013 TIME PLOTTED => 11:22



Notes:

× - 10′ Station Interval.
0.05′ Contour Interval.
Contours do not include camber.

PLAN

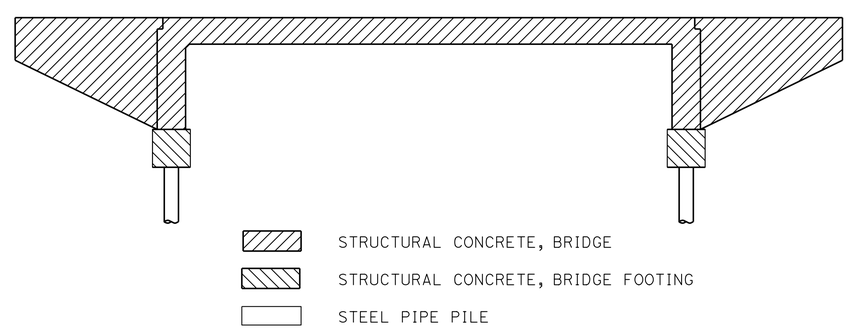
1" = 10′-0"

CAMBER DIAGRAM

NOTE: Does not include allowance for falsework settlement.

BUILDING SEQUENCE

1. Construct Abutment Diaphragms
2. Place channel RSP and channel fill material to interim flow line (See Road Plans) while simultaneously filling behind the abutment diaphragm. The elevation of the fill within the channel and behind the abutment shall be within 2 feet of each other at all times.
3. Construct Deck Slab and remove Falsework.
4. Place remaining backfill behind the abutments.



CONCRETE STRENGTH AND TYPE LIMITS

NO SCALE

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	292	343

MJ Cullen 1-17-13
REGISTERED CIVIL ENGINEER DATE

4-29-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — M. J. CULLEN — No. C 40620 — Exp. 03-31-13 — CIVIL — STATE OF CALIFORNIA

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DESIGN	BY M. CULLEN	CHECKED X. CHEN / H. PEREZ	
DETAILS	BY D. PATO	CHECKED M. CULLEN	
QUANTITIES	BY H. TUAZON	CHECKED G. REYES-GUTIERREZ	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 6

BRIDGE NO. 51-0339
POST MILE 22.3-23.0

LAS VEGAS CREEK BRIDGE (REPLACE)
DECK CONTOURS

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3591
PROJECT NUMBER & PHASE: 0500000055-1 CONTRACT NO.: 05-0G0701

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES				SHEET	OF
07-03-12	10-09-12			3	17

FILE => 51_0339-d-dc.dgn

USERNAME => b124496 DATE PLOTTED => 03-MAY-2013 TIME PLOTTED => 11:22

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
05	SB	101	22.3/23.0	293	343

MJ Cullen 1-17-13
REGISTERED CIVIL ENGINEER DATE

4-29-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — M. J. CULLEN — No. C 40620 — Exp. 03-31-13 — CIVIL — STATE OF CALIFORNIA

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To get to the Caltrans web site, go to: http://www.dot.ca.gov

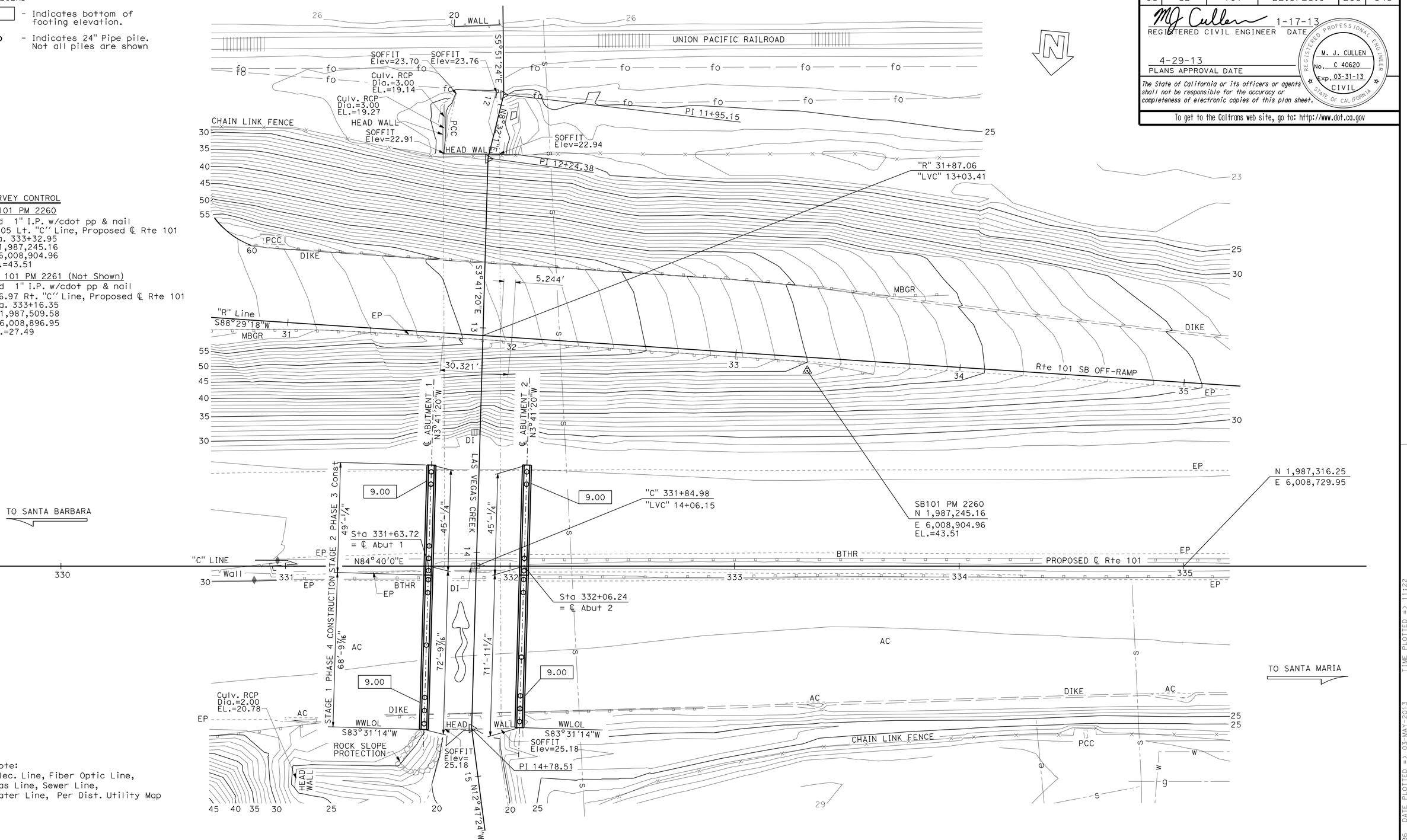
LEGEND:

- Indicates bottom of footing elevation.
- Indicates 24" Pipe pile. Not all piles are shown

SURVEY CONTROL

SB101 PM 2260
Fnd 1" I.P. w/cdot pp & nail
87.05 Lt. "C" Line, Proposed ℄ Rte 101
Sta. 333+32.95
N 1,987,245.16
E 6,008,904.96
EL.=43.51

SB 101 PM 2261 (Not Shown)
Fnd 1" I.P. w/cdot pp & nail
176.97 Rt. "C" Line, Proposed ℄ Rte 101
Sta. 333+16.35
N 1,987,509.58
E 6,008,896.95
EL.=27.49



Note:
Elec. Line, Fiber Optic Line,
Gas Line, Sewer Line,
Water Line, Per Dist. Utility Map

PRELIMINARY INVESTIGATION SECTION						DESIGN	BY M. CULLEN	CHECKED X. CHEN / H. PEREZ
SCALE 1"=20'	VERT.DATUM NAVD 88	PHOTOGRAMMETRY AS OF: X				DETAILS	BY D. PATO	CHECKED M. CULLEN
ALIGNMENT TIES	HORZ.DATUM NAD 83 (91.35) Dist. Traverse Sheet	SURVEYED	BY DISTRICT	CHECKED	BY JIM PALLARES 01/2010	QUANTITIES	BY H. TUAZON	CHECKED G. REYES-GUTIERREZ
		DRAFTED	BY SHARON ZHENG 01/2010	CHECKED	BY T.ZOLNIKOV 01/2010			

STRUCTURES FOUNDATION PLAN SHEET (ENGLISH) (REV. 10/25/05)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 6

CU 05
EA 0G0701

BRIDGE NO. 51-0339
POST MILE 22.3-23.0

LAS VEGAS CREEK BRIDGE (REPLACE)
FOUNDATION PLAN

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: 6/21/2010 | 8/11/2010 | 07-25-12 | 08-06-12 | 08-16-12 | 10-08-12 | 11-01-12

SHEET 4 OF 17

FILE => 51_0339-e-fpl01-new.dgn

USERNAME => s124496 DATE PLOTTED => 03-MAY-2013 TIME PLOTTED => 11:22

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	294	343

MJ Cullen 1-17-13
REGISTERED CIVIL ENGINEER DATE

4-29-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
M. J. CULLEN
No. C 40620
Exp. 03-31-13
CIVIL
STATE OF CALIFORNIA

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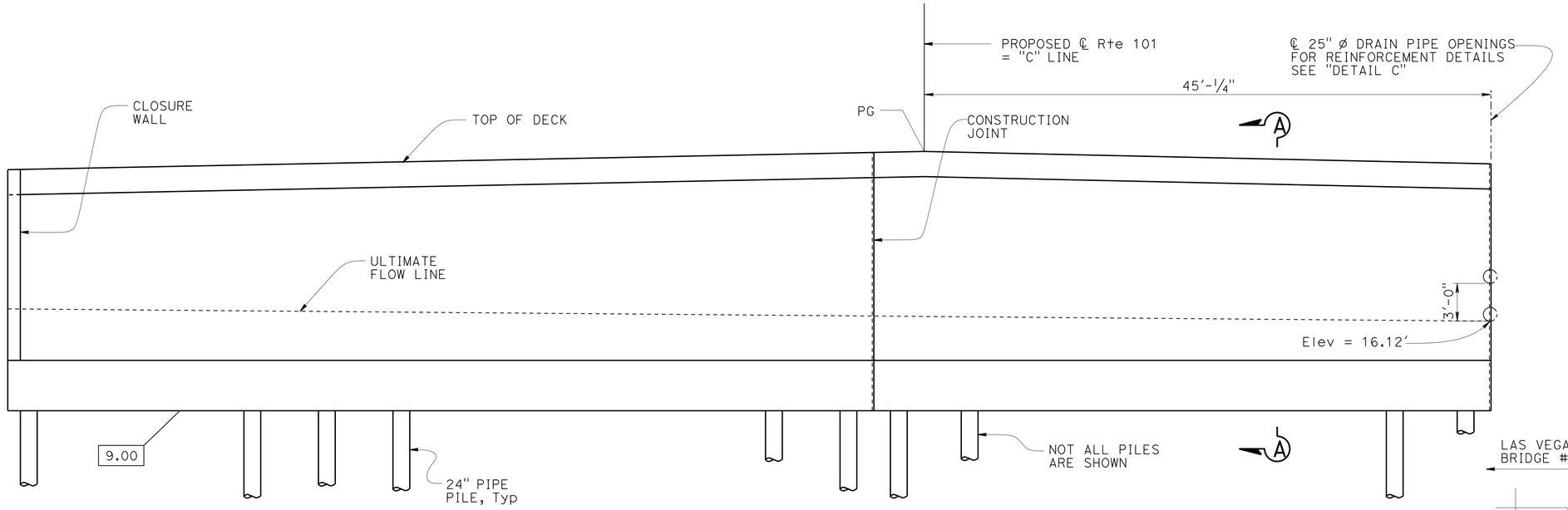


ABUTMENT ELEVATION

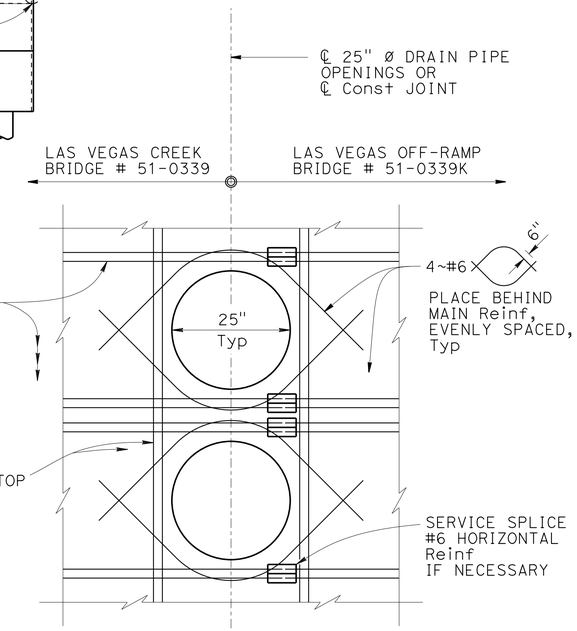
1" = 5'-0"

LEGEND:

Indicates bottom of footing elevation

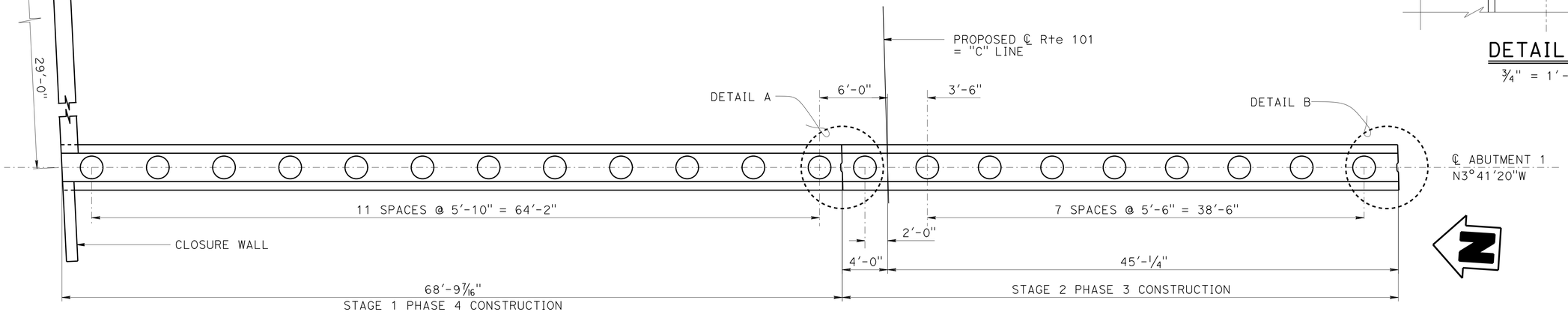
NOTES:

1. For "SECTION A-A" see "ABUTMENT DETAILS NO. 1" sheet.
2. For DETAIL A and DETAIL B see "ABUTMENT LAYOUT NO. 2" sheet.



DETAIL C

¾" = 1'-0"



ABUTMENT & PILE FOOTING PLAN

1" = 5'-0"

DESIGN	BY MIKE CULLEN	CHECKED X. CHEN / H. PEREZ	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 6	BRIDGE NO. 51-0339	LAS VEGAS CREEK BRIDGE (REPLACE)	
DETAILS	BY SUSAN NG	CHECKED MIKE CULLEN			POST MILE 22.3-23.0	ABUTMENT 1 LAYOUT	
QUANTITIES	BY HILARIO TUAZON	CHECKED GLORIA REYES-GUTIERREZ					

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3591
PROJECT NUMBER & PHASE: 0500000055-1 CONTRACT NO.: 05-0G0701

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
06-25-12		10-09-12	11-01-12	5	17

FILE => 51_0339-f-abt-1-lo.dgn

USERNAME => s124496 DATE PLOTTED => 03-MAY-2013 TIME PLOTTED => 11:22

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	295	343

MJ Cullen 1-17-13
REGISTERED CIVIL ENGINEER DATE

4-29-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
M. J. CULLEN
No. C 40620
Exp. 03-31-13
CIVIL
STATE OF CALIFORNIA

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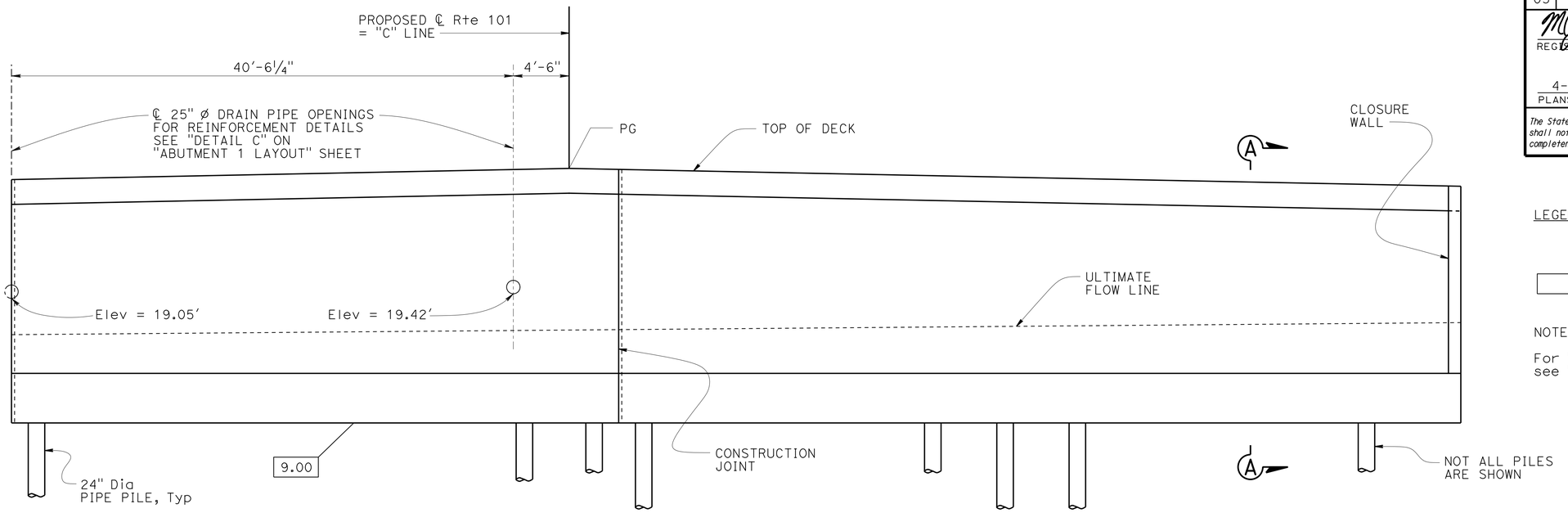


ABUTMENT ELEVATION

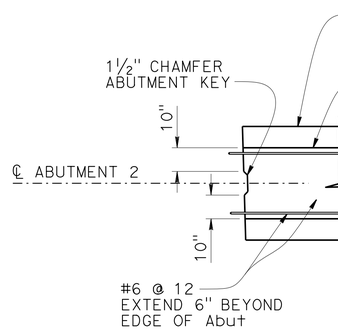
1" = 5'-0"

LEGEND:

Indicates bottom of footing elevation

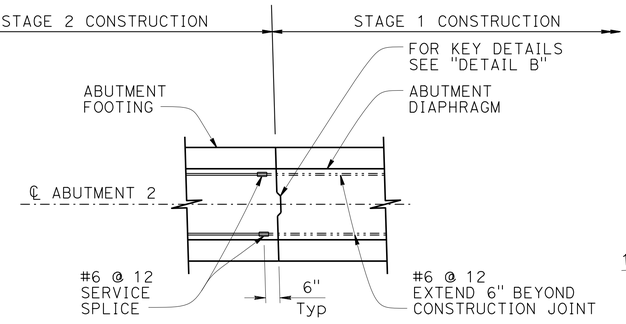
NOTE:

For "SECTION A-A" and "DETAIL C" see "ABUTMENT DETAILS NO. 1" sheet



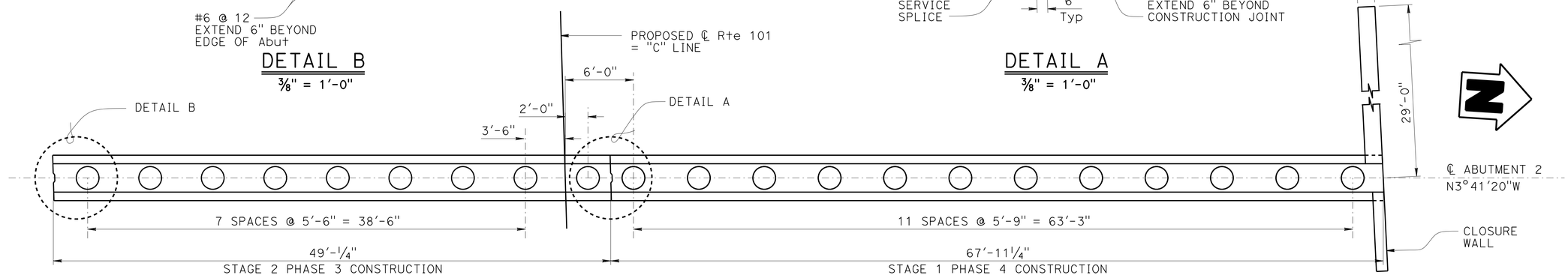
DETAIL B

⅜" = 1'-0"



DETAIL A

⅜" = 1'-0"



ABUTMENT & PILE FOOTING PLAN

1" = 5'-0"

DESIGN	BY MIKE CULLEN	CHECKED X. CHEN / H. PEREZ	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
DETAILS	BY SUSAN NG	CHECKED MIKE CULLEN	
QUANTITIES	BY HILARIO TUAZON	CHECKED GLORIA REYES-GUTIERREZ	

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 6

BRIDGE NO. 51-0339
POST MILE 22.3-23.0

LAS VEGAS CREEK BRIDGE (REPLACE)
ABUTMENT 2 LAYOUT

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3591
PROJECT NUMBER & PHASE: 0500000055-1 CONTRACT NO.: 05-0G0701

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES				SHEET	OF
06-25-12		11-01-12	10-09-12	6	17

FILE => 51_0339-f-abt-2-lo.dgn

USERNAME => s124496 DATE PLOTTED => 03-MAY-2013 TIME PLOTTED => 11:22

NOTES:

1. Geocomposite Drain, see "STRUCTURE APPROACH DRAINAGE DETAILS" sheet.
2. Joint Seal MR = ½"

   B0-1 / 1-2 and B6-21
3. Closure wall located at Abutment 1 Right and Abutment 2 Right only.
4 Closure wall vertical steel to be developed 1'-6" into slab.
5. For SECTION B-B and SECTION C-C, see "ABUTMENT DETAILS NO. 2" sheet.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	296	343

MJ Cullen 1-17-13
REGISTERED CIVIL ENGINEER DATE

4-29-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — M. J. CULLEN — No. C 40620 — Exp. 03-31-13 — CIVIL — STATE OF CALIFORNIA

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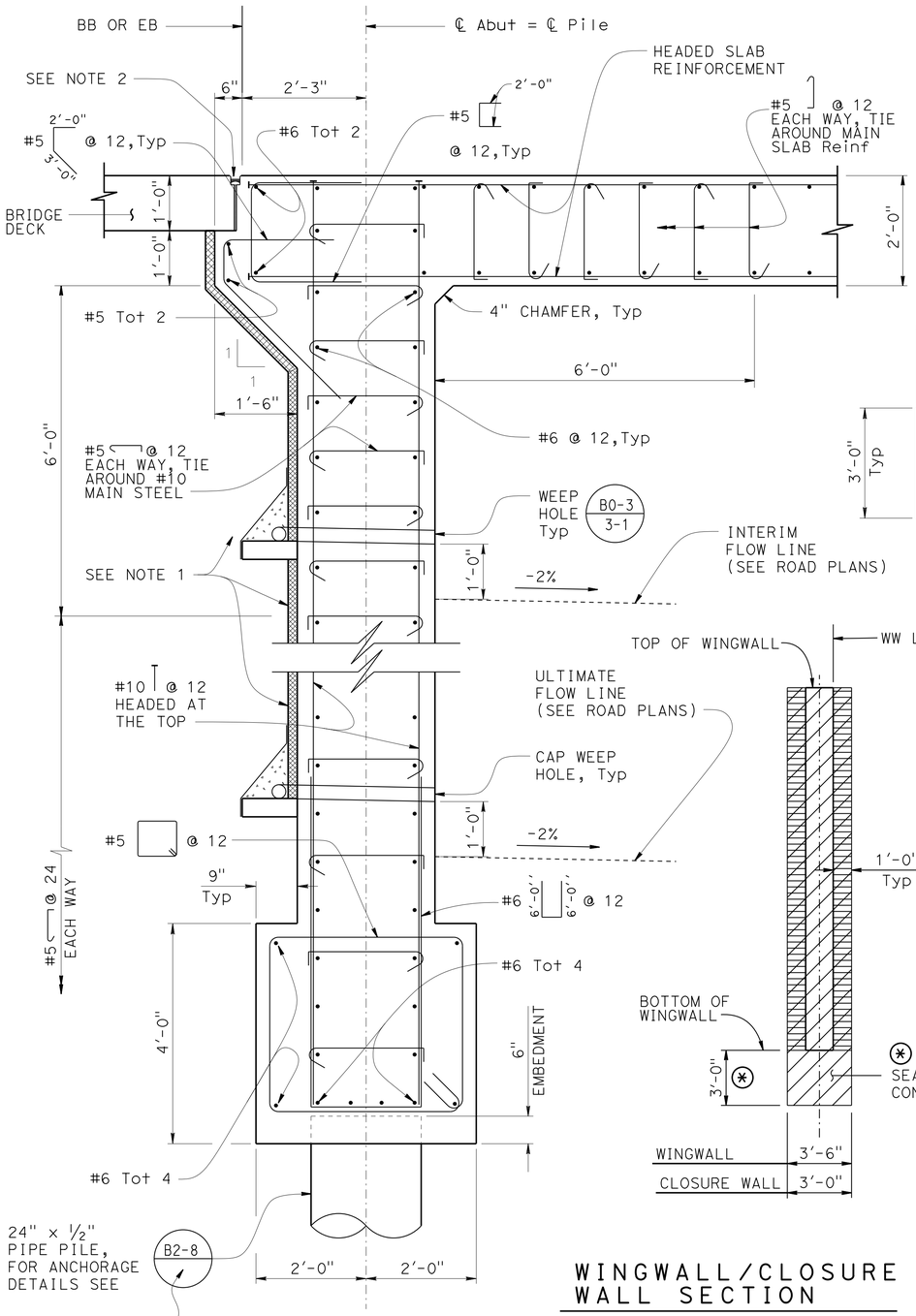


SECTION A-A

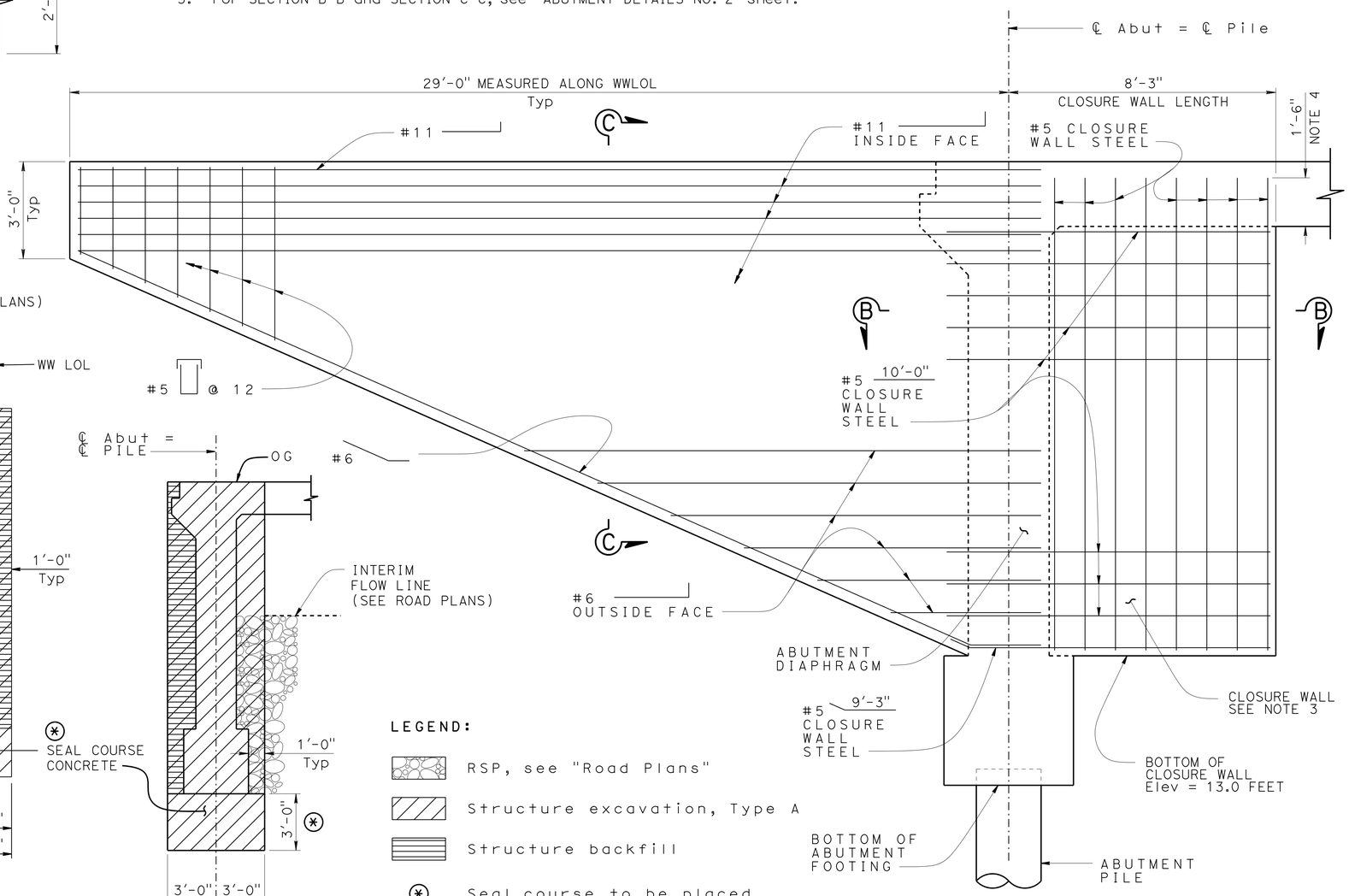
¾" = 1'-0"

WINGWALL/CLOSURE WALL SECTION

ABUTMENTS 1 AND 2

LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL AT ABUTMENTS

¼" = 1'-0"



LEGEND:

- RSP, see "Road Plans"
- Structure excavation, Type A
- Structure backfill
- ⊛ Seal course to be placed only when ordered by the Engineer. Estimated quantities involved are based on the seal thickness shown. The thickness to be used will be determined in the field by the Engineer. When seal is not used, the bottom of the reinforced footing shall remain at the elevation shown.

NOTE:

Abutment 1 Right wingwall shown
Abutment 2 Right wingwall similar

WINGWALL ELEVATION

½" = 1'-0"

DESIGN	BY MIKE CULLEN	CHECKED X. CHEN / H. PEREZ	
DETAILS	BY SUSAN NG	CHECKED MIKE CULLEN	
QUANTITIES	BY HILARIO TUAZON	CHECKED GLORIA REYES-GUTIERREZ	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 6

BRIDGE NO. 51-0339
POST MILE 22.3-23.0

LAS VEGAS CREEK BRIDGE (REPLACE)
ABUTMENT DETAILS NO. 1

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3591
PROJECT NUMBER & PHASE: 0500000055-1
CONTRACT NO.: 05-0G0701

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES				SHEET	OF
5-01-13	08-01-12	08-15-12	10-01-12	7	17

FILE => 51_0339-f-atm-dts-1.dgn

USERNAME => s121674 DATE PLOTTED => 13-MAY-2013 TIME PLOTTED => 14:09

NOTES:

1. Geocomposite Drain, see "STRUCTURE APPROACH DRAINAGE DETAILS" sheet.
2. Closure wall located at Abutment 1 & 2 right side only.
3. Closure wall vertical steel to be developed 1'-6" into slab.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	297	343

M J Cullen 1-17-13
REGISTERED CIVIL ENGINEER DATE

4-29-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — M. J. CULLEN — No. C 40620 — Exp. 03-31-13 — CIVIL — STATE OF CALIFORNIA

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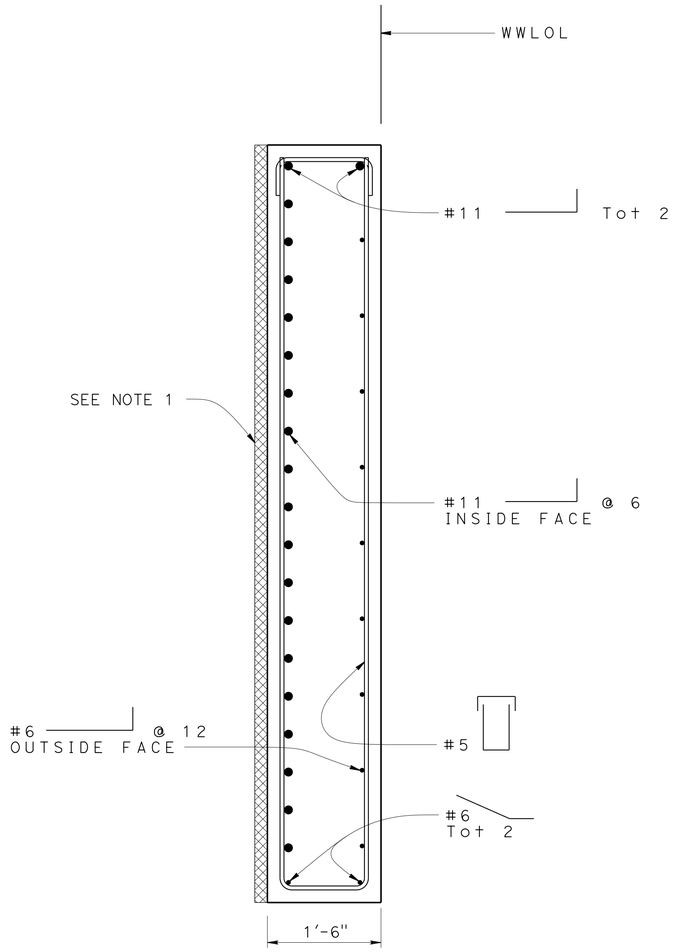
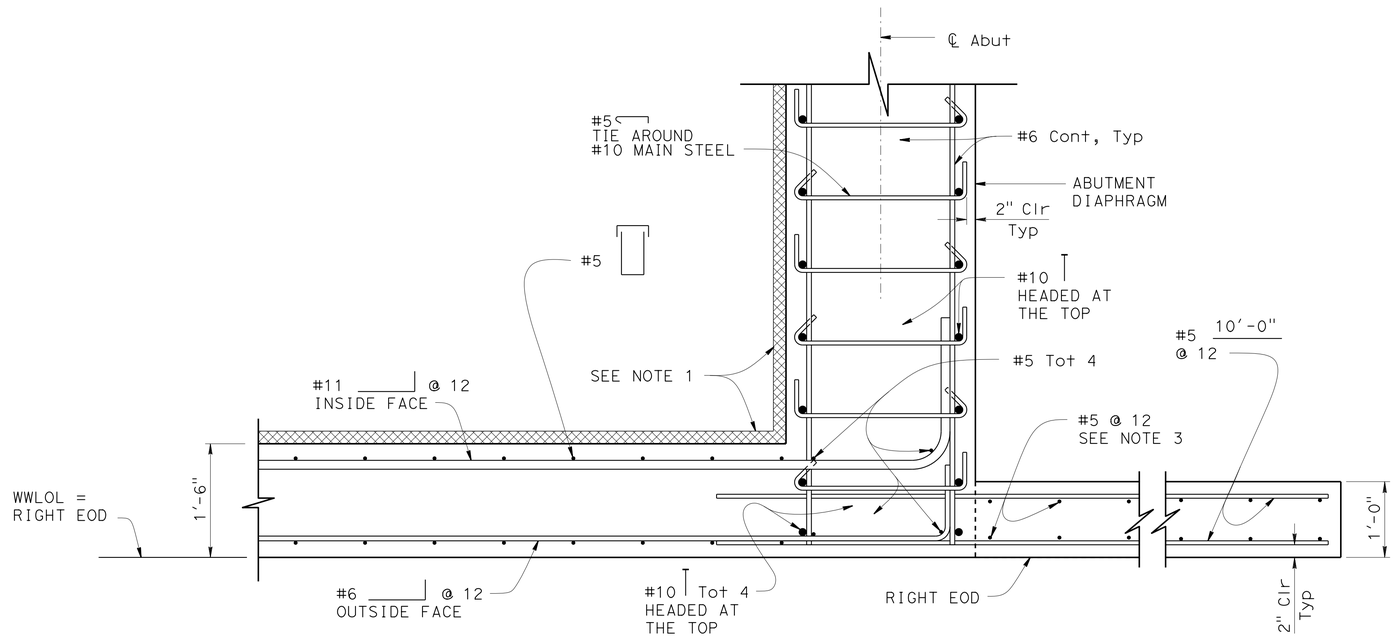


SECTION C-C

1" = 1'-0"



SECTION B-B

1" = 1'-0"

DESIGN	BY MIKE CULLEN	CHECKED X. CHEN / H. PEREZ	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 6	BRIDGE NO. 51-0339	LAS VEGAS CREEK BRIDGE (REPLACE)	
DETAILS	BY SUSAN NG	CHECKED MIKE CULLEN			POST MILE 22.3-23.0	ABUTMENT DETAILS NO. 2	
QUANTITIES	BY HILARIO TUAZON	CHECKED GLORIA REYES-GUTIERREZ					

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3591
PROJECT NUMBER & PHASE: 0500000055-1 CONTRACT NO.: 05-0G0701

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES				SHEET	OF
07-16-12	08-06-12	08-21-12		8	17

FILE => 51_0339-f-atm-dts-2.dgn

USERNAME => s124496 DATE PLOTTED => 03-MAY-2013 TIME PLOTTED => 11:22

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	298	343

MJ Cullen 1-17-13
REGISTERED CIVIL ENGINEER DATE

4-29-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
M. J. CULLEN
No. C 40620
Exp. 03-31-13
CIVIL
STATE OF CALIFORNIA

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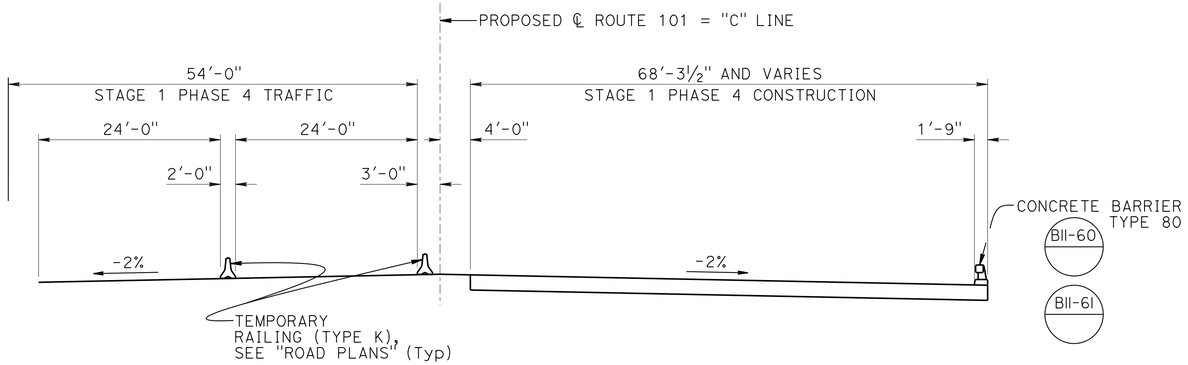
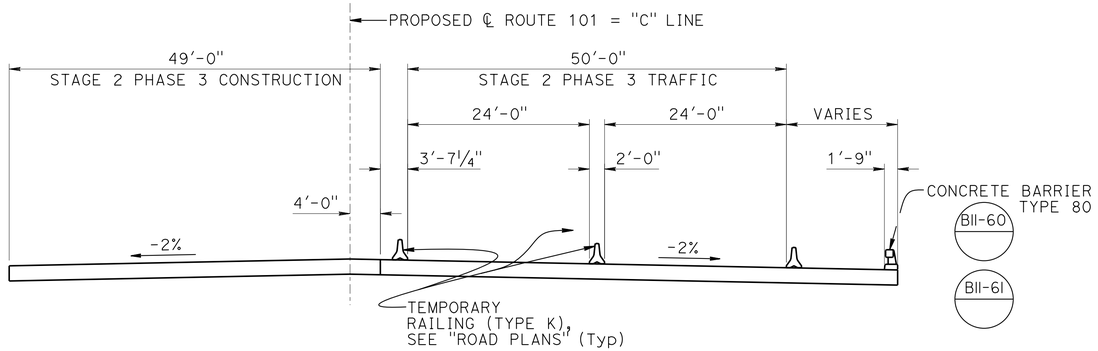


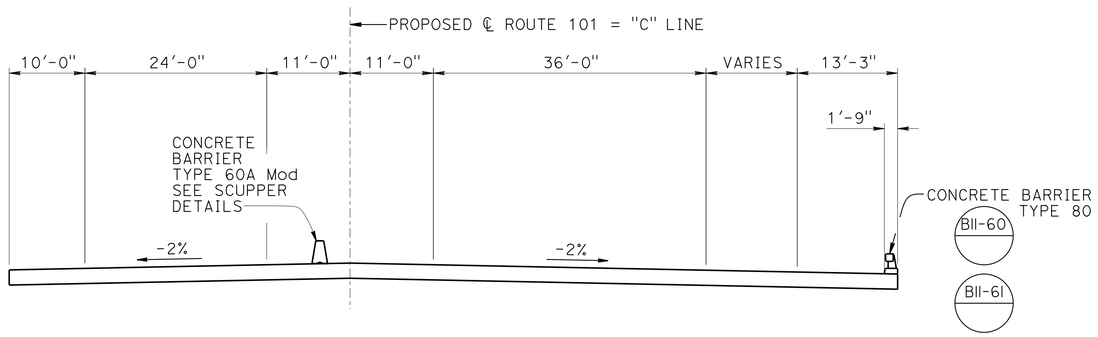
TYPICAL SECTION STAGE 1 PHASE 4 CONSTRUCTION

1" = 10'-0"



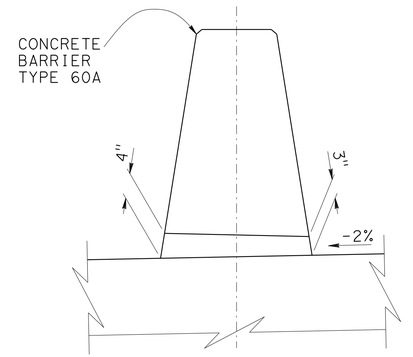
TYPICAL SECTION STAGE 2 PHASE 3 CONSTRUCTION

1" = 10'-0"

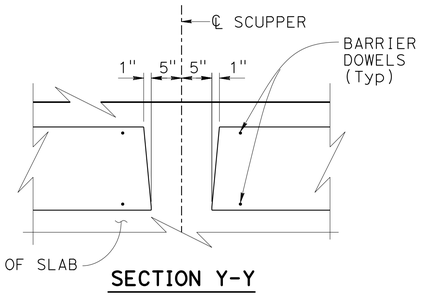


TYPICAL SECTION FINAL CONFIGURATION

1" = 10'-0"



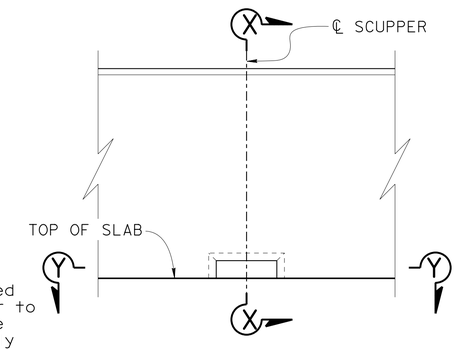
SECTION X-X



SECTION Y-Y

SCUPPER DETAILS

1" = 1'



Note:

Scuppers to be spaced at 10'-0" Max center to center thru Concrete Barrier Type 60A only

CONCRETE BARRIER TYPE 60A PART ELEVATION

	DESIGN	BY M. CULLEN	CHECKED X. CHEN / H. PEREZ	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 6	BRIDGE NO. 51-0339	LAS VEGAS CREEK BRIDGE (REPLACE)
	DETAILS	BY K. CHONKRIA	CHECKED M. CULLEN			POST MILE 22.3-23.0	TYPICAL SECTION NO. 1
	QUANTITIES	BY G. REYES-GUTIERREZ	CHECKED H. TUAZON				

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3591
PROJECT NUMBER & PHASE: 0500000055 & 1 CONTRACT NO.: 0G0701

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES				SHEET	OF
08-01-12		01-09-13	11-02-12	9	17

FILE => 51_0339-k-ts01.dgn

USERNAME => s124496 DATE PLOTTED => 03-MAY-2013 TIME PLOTTED => 11:22

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	299	343

MJ Cullen 1-17-13
REGISTERED CIVIL ENGINEER DATE

4-29-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
M. J. CULLEN
No. C 40620
Exp. 03-31-13
CIVIL
STATE OF CALIFORNIA

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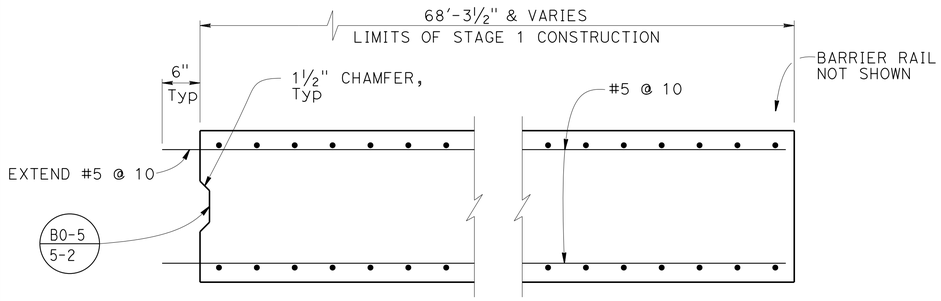
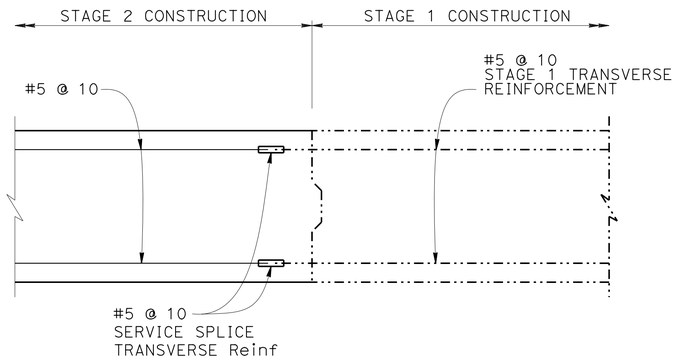


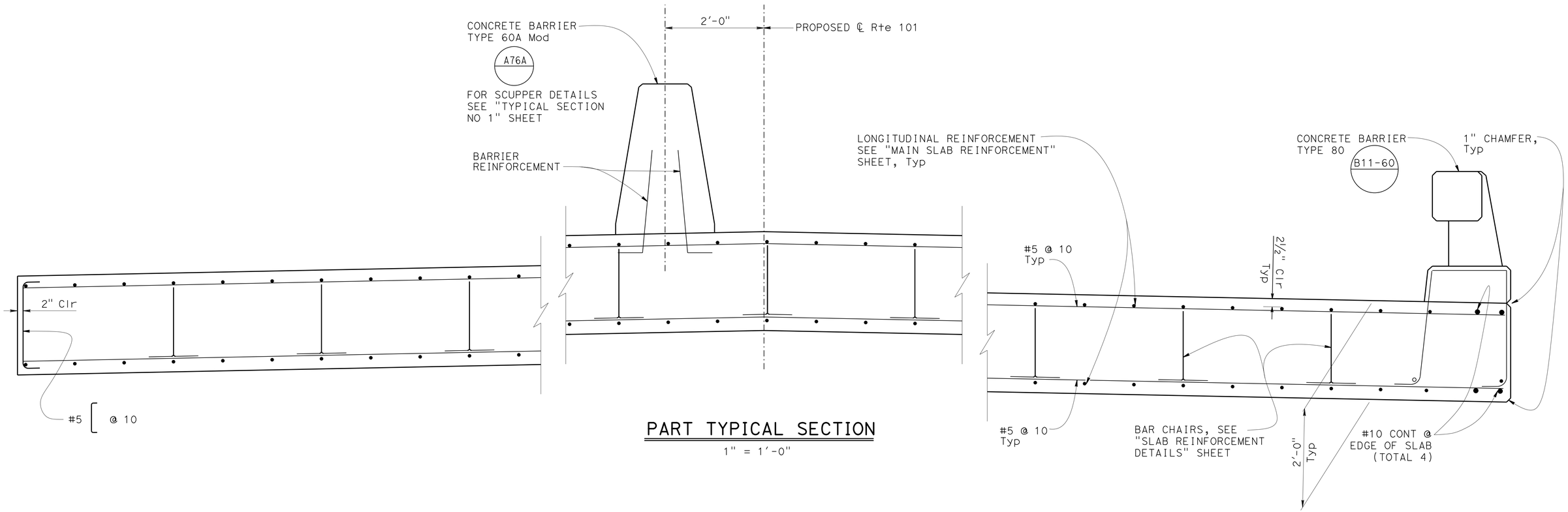
SLAB CONSTRUCTION JOINT DETAIL (STAGE 1)

1" = 1'-0"



SLAB CONSTRUCTION JOINT DETAIL (STAGE 2)

1" = 1'-0"



PART TYPICAL SECTION

1" = 1'-0"

DESIGN	BY M. CULLEN	CHECKED X. CHEN / H. PEREZ	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 6	BRIDGE NO. 51-0339	LAS VEGAS CREEK BRIDGE (REPLACE)	
DETAILS	BY K. CHONKRIA	CHECKED M. CULLEN			POST MILE 22.3-23.0	TYPICAL SECTION NO. 2	
QUANTITIES	BY H. TUAZON	CHECKED G. REYES-GUTIERREZ					

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3591
PROJECT NUMBER & PHASE: 0500000055 & 1 CONTRACT NO.: 0G0701

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
07-09-12		11-01-12	10-09-12	10	17

FILE => 51_0339-k-ts02.dgn

USERNAME => S124496 DATE PLOTTED => 03-MAY-2013 TIME PLOTTED => 11:22

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	22.3/23.0	300	343

M J Cullen 1-17-13
REGISTERED CIVIL ENGINEER DATE

4-29-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
M. J. CULLEN
No. C 40620
Exp. 03-31-13
CIVIL
STATE OF CALIFORNIA

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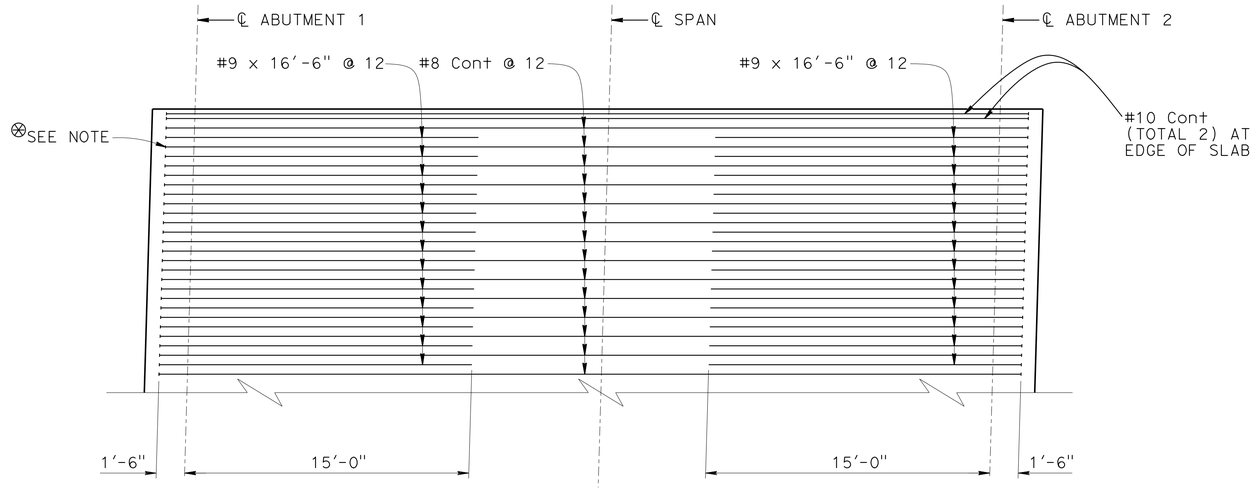
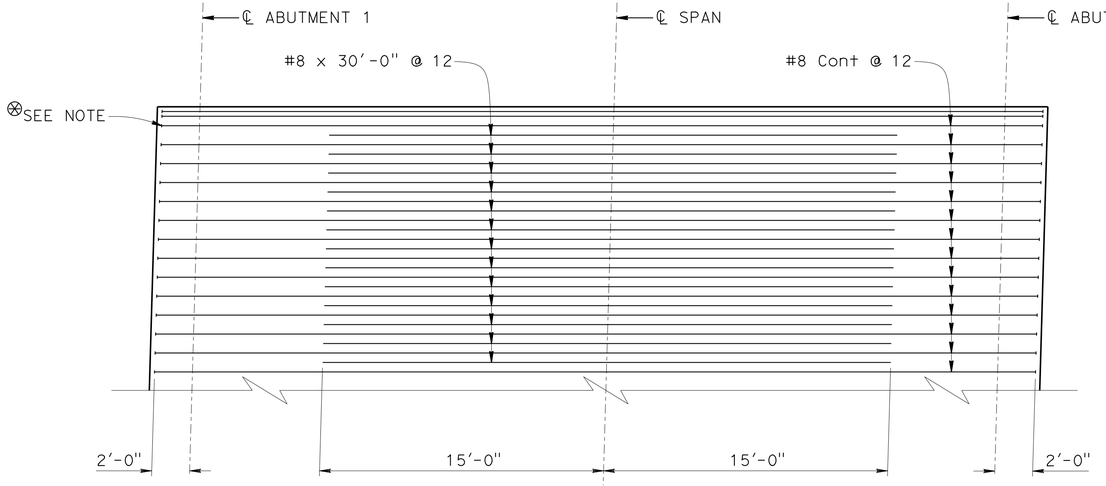


⊗ Note:
All Main Reinf shall be Headed at the Abutments, Typ

PART PLAN - TOP SLAB REINFORCEMENT

1/4" = 1′-0"



⊗ Note:
All Main Reinf shall be Headed at the Abutments, Typ

PART PLAN - BOTTOM SLAB REINFORCEMENT

1/4" = 1′-0"

DESIGN	BY M. CULLEN	CHECKED X. CHEN / H. PEREZ	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 6	BRIDGE NO. 51-0339	LAS VEGAS CREEK BRIDGE (REPLACE)
DETAILS	BY K. CHONKRIA	CHECKED M. CULLEN			POST MILE 22.3-23.0	MAIN SLAB REINFORCEMENT
QUANTITIES	BY H. TUAZON	CHECKED G. REYES GUTIERREZ				

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3591
PROJECT NUMBER & PHASE: 0500000055 & 1 CONTRACT NO.: 0G0701

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
08-07-12				11	17

FILE => 51_0339-1-s1-rf01.dgn

USERNAME => s124496 DATE PLOTTED => 03-MAY-2013 TIME PLOTTED => 11:22