

INDEX OF PLANS

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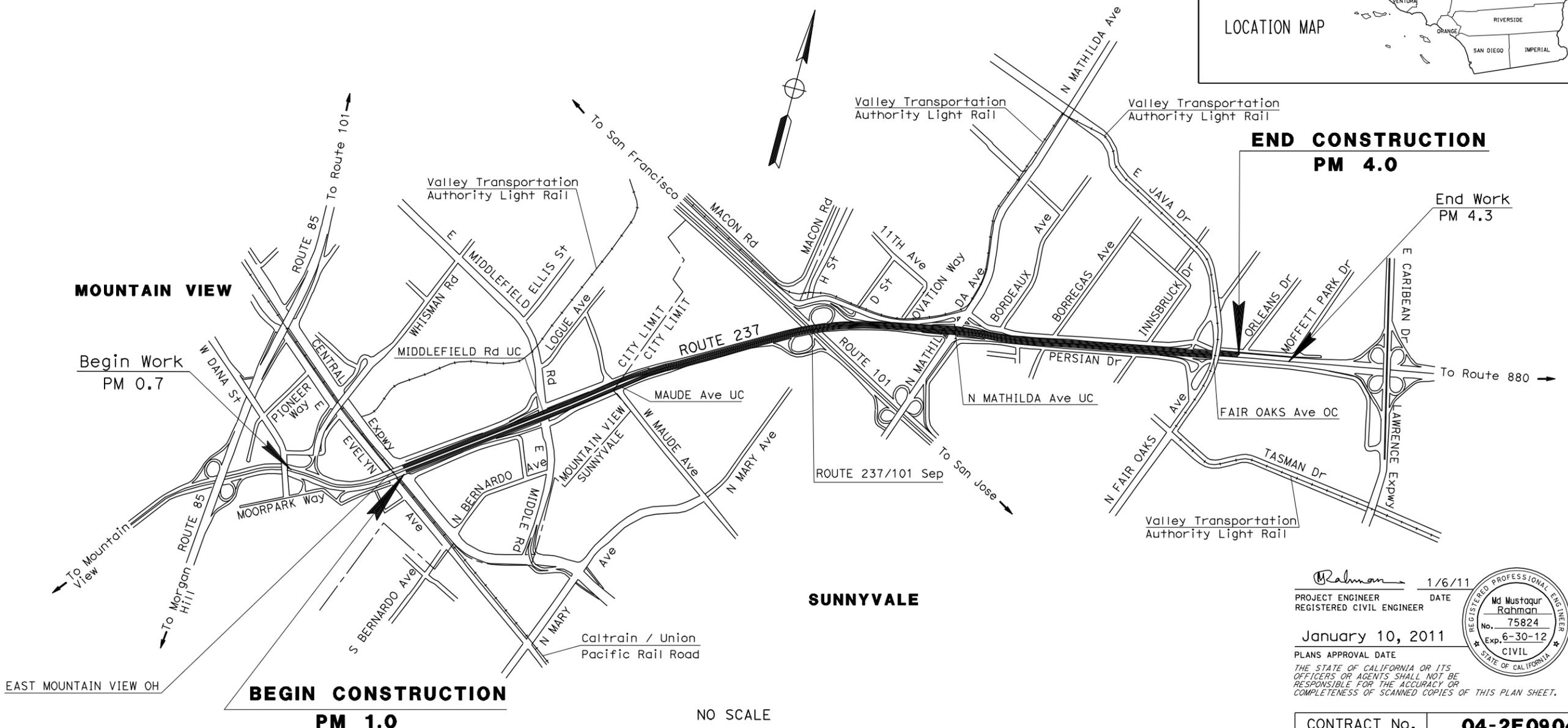
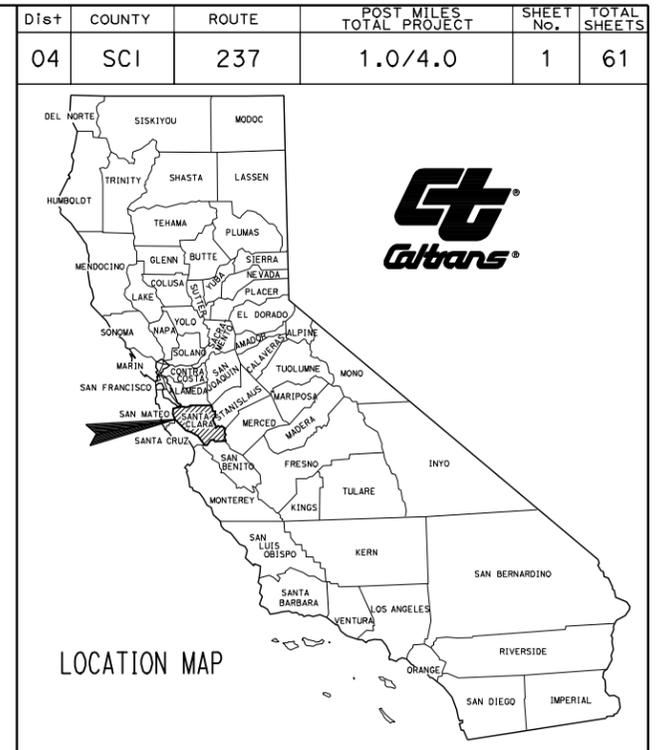
THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ACSTP-P237(010)E

PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN SANTA CLARA COUNTY
IN MOUNTAIN VIEW AND SUNNYVALE
FROM EAST MOUNTAIN VIEW OVERHEAD
TO FAIR OAKS AVENUE OVERCROSSING

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



PROJECT MANAGER
RAMSES SARGISS

DESIGN ENGINEER
Md MUSTAQUR RAHMAN

Rahman 1/6/11
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER
Md Mustaqur Rahman
No. 75824
Exp. 6-30-12
CIVIL
STATE OF CALIFORNIA

January 10, 2011
PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

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

CONTRACT No.	04-2E0904
PROJECT ID	0400002029

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
St. Caltrans
 DESIGN
 FUNCTIONAL SUPERVISOR
 RONNIE CHUA
 CHECKED BY
 RONNIE CHUA
 CALCULATED-DESIGNED BY
 MD. MUSTAQUUR RAHMAN
 REVISOR
 DATE REVISOR
 MMR
 DATE REVISOR
 12/30/10

NOTES

1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. DIMENSIONS SHOWN FOR THE EXISTING PAVEMENT STRUCTURAL SECTIONS ARE TAKEN FROM AS-BUILTS, ACTUAL THICKNESS MAY VARY
3. EXACT LOCATION AND TYPE OF THE DIKES ARE SHOWN ON CONSTRUCTION DETAILS SHEETS

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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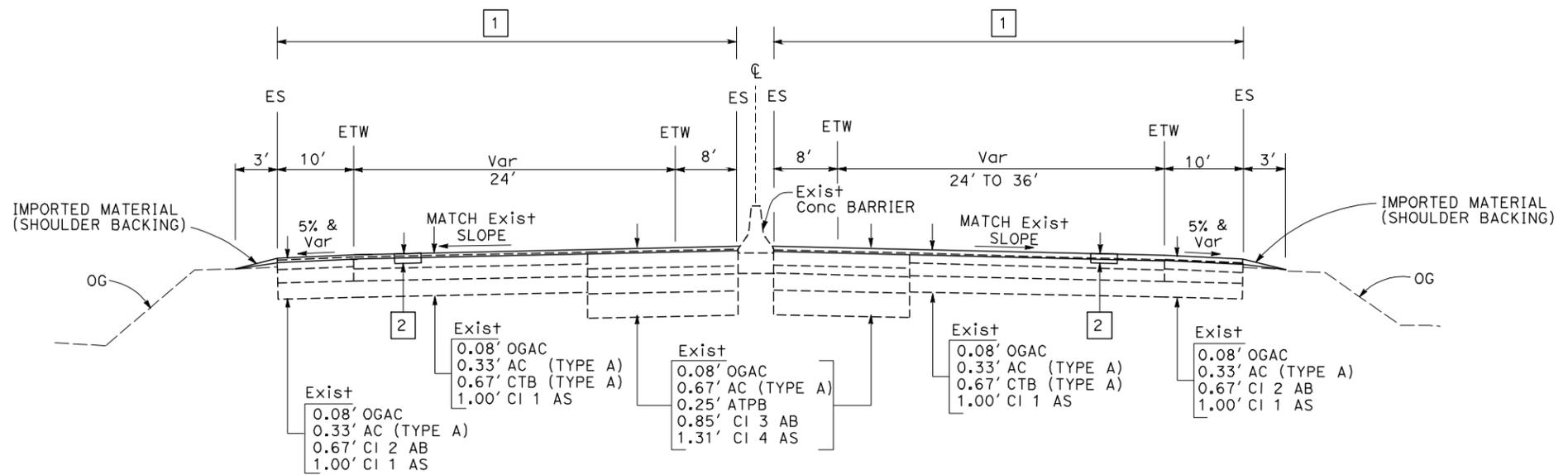
1/6/11
 REGISTERED CIVIL ENGINEER DATE
 Md Mustaqur Rahman
 No. 75824
 Exp 6-30-12
 CIVIL
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

LEGEND

- 1 0.10' COLD PLANE AC PAVEMENT
0.10' HMA (BWC-G)
- 2 0.35' Max COLD PLANE AC PAVEMENT
0.35' HMA (TYPE A)

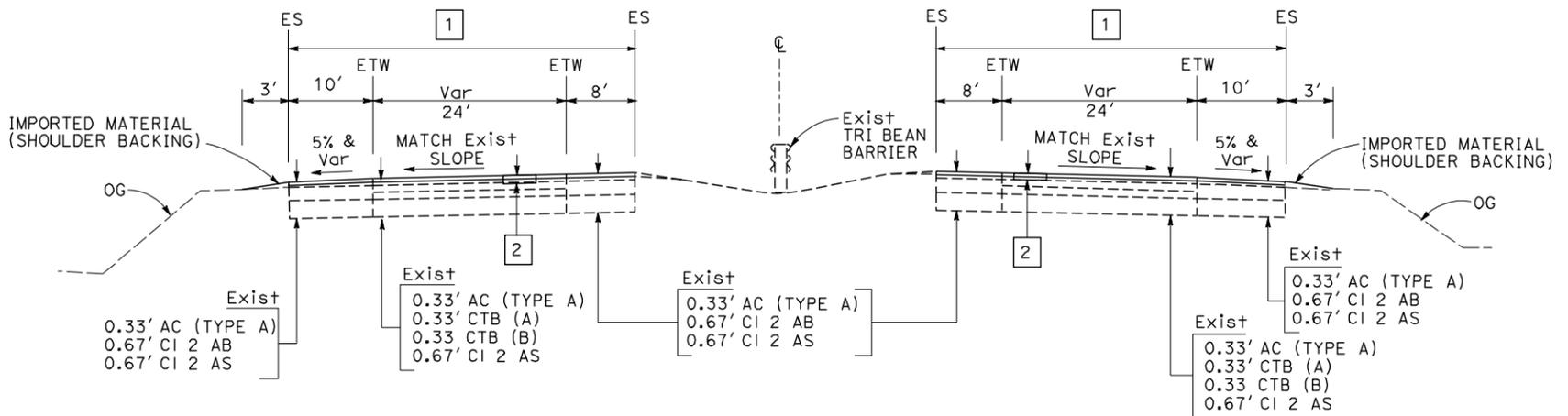
ABBREVIATION

BWC-G BONDED WEARING COURSE-GAP GRADED



ROUTE 237

WESTBOUND PM 1.98 TO PM 2.51
 EASTBOUND PM 1.98 TO PM 2.51



ROUTE 237

WESTBOUND PM 1.00 TO PM 1.98
 EASTBOUND PM 1.00 TO PM 1.98

TYPICAL CROSS SECTIONS

NO SCALE

X-1

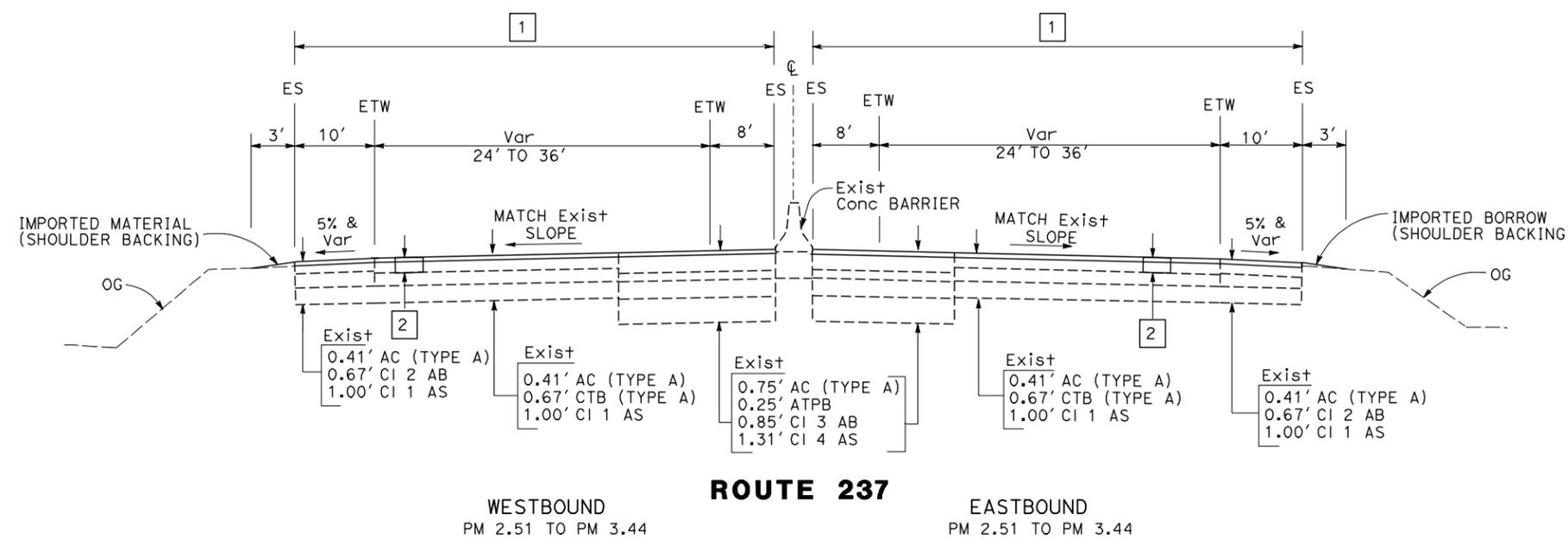
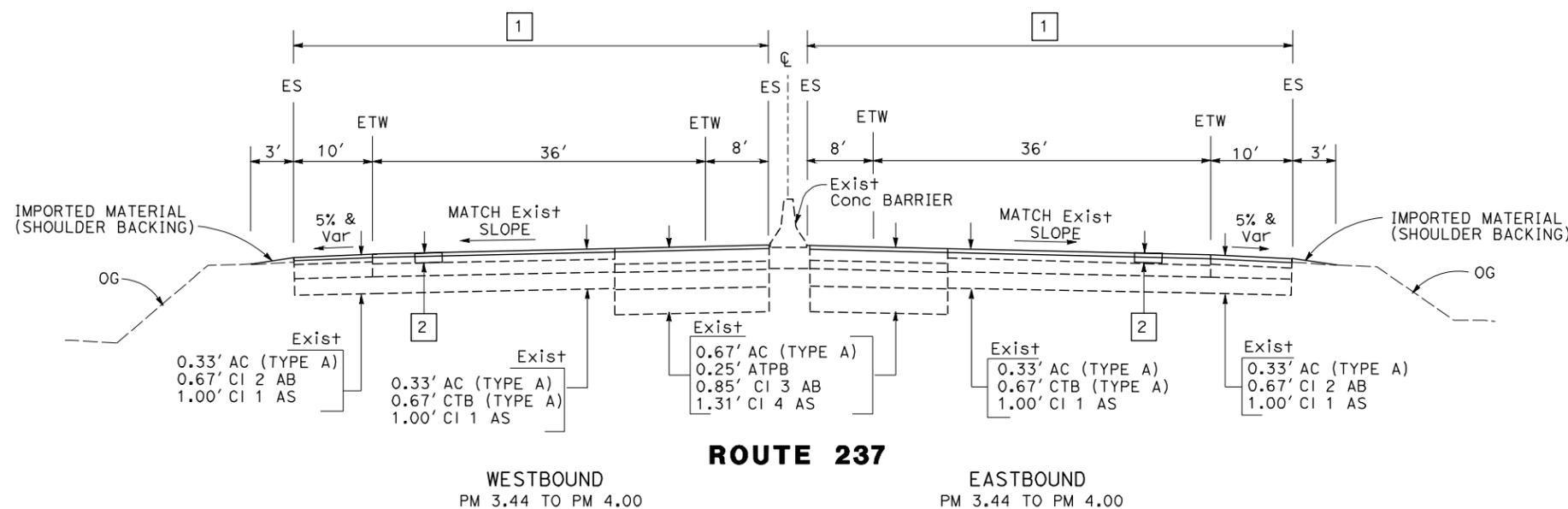
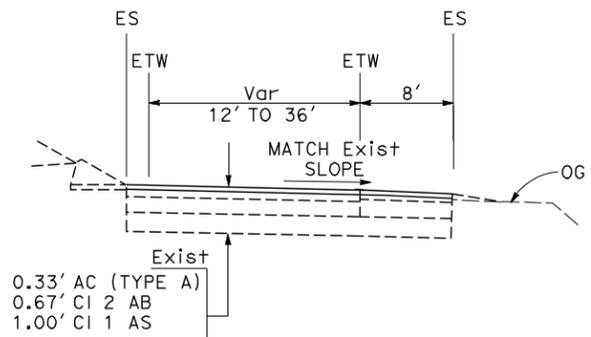
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	237	1.0/4.0	3	61

<i>Rahman</i>	1/6/11
REGISTERED CIVIL ENGINEER	DATE
1-10-11	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
Md Mustaqur Rahman
No. 75824
Exp 6-30-12
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STATE OF CALIFORNIA

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 CALCULATED-DESIGNED BY: MDM
 REVISOR: MMR
 DATE: 12/30/10



FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET X-1

TYPICAL CROSS SECTIONS
NO SCALE

X-2

LAST REVISION 12-28-10 DATE PLOTTED => 14-MAR-2011 TIME PLOTTED => 10:53

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MMR
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 DATE REVISED

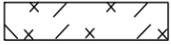
MD. MUSTAQUUR RAHMAN
 RONNIE CHUA

CALCULATED-DESIGNED BY
 CHECKED BY

FUNCTIONAL SUPERVISOR
 RONNIE CHUA

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

LEGEND

-  0.10' COLD PLANE AC PAVEMENT
 0.10' (BWC-G) OVERLAY
-  0.35' Max COLD PLANE AC PAVEMENT
 0.35' HMA (TYPE A)

ABBREVIATION

BWC-G BONDED WAERING COURSE-GAP GRADED

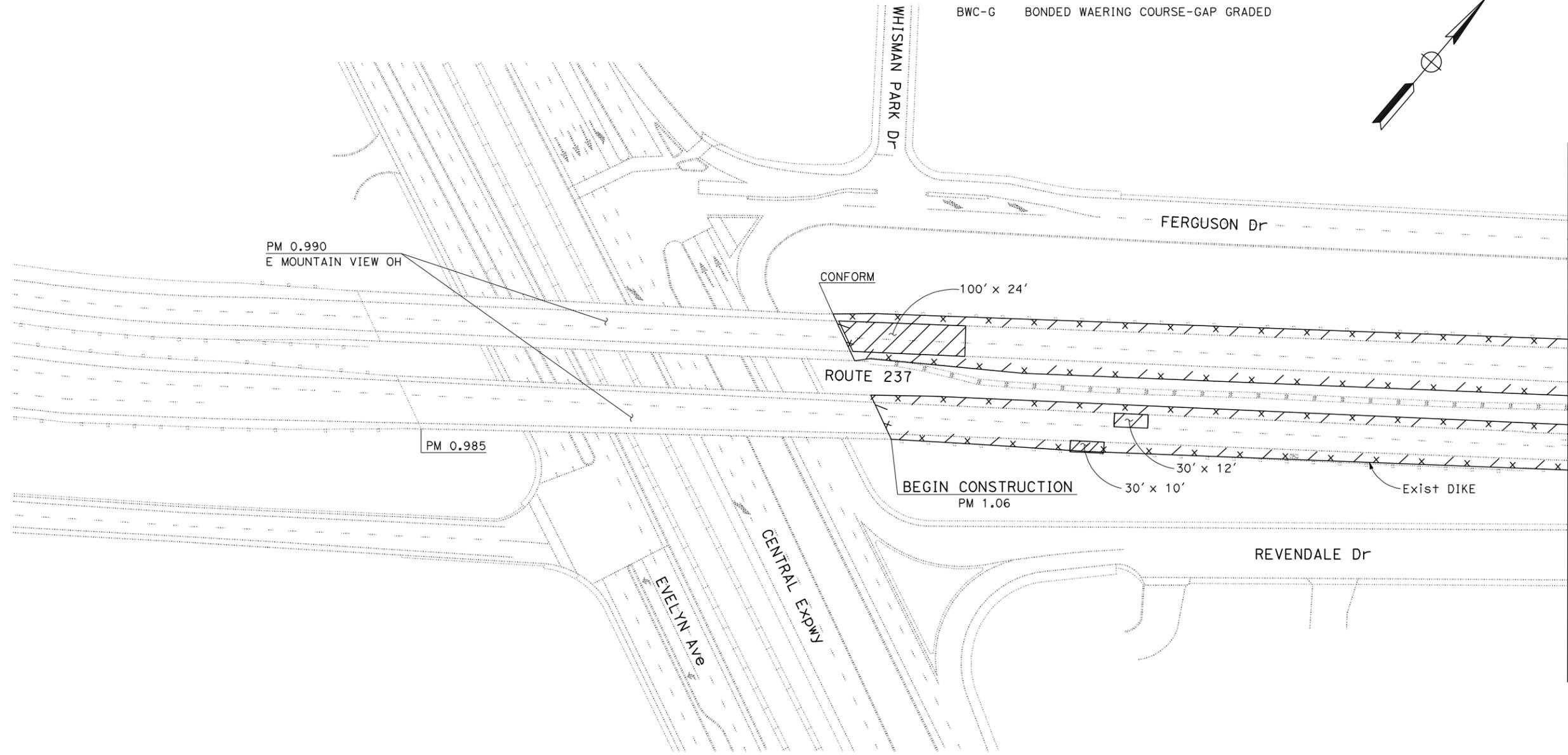
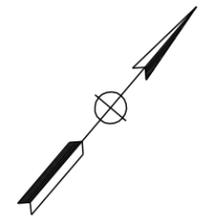
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CONSTRUCTION DETAILS
 NO SCALE

THIS PLAN ACCURATE FOR CONSTRUCTION DETAILS ONLY

C-1

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 CHECKED BY

MD. MUSTAQR RAHMAN
 RONNIE CHUA

REVISOR BY
 DATE REVISED

MMR
 12/30/10

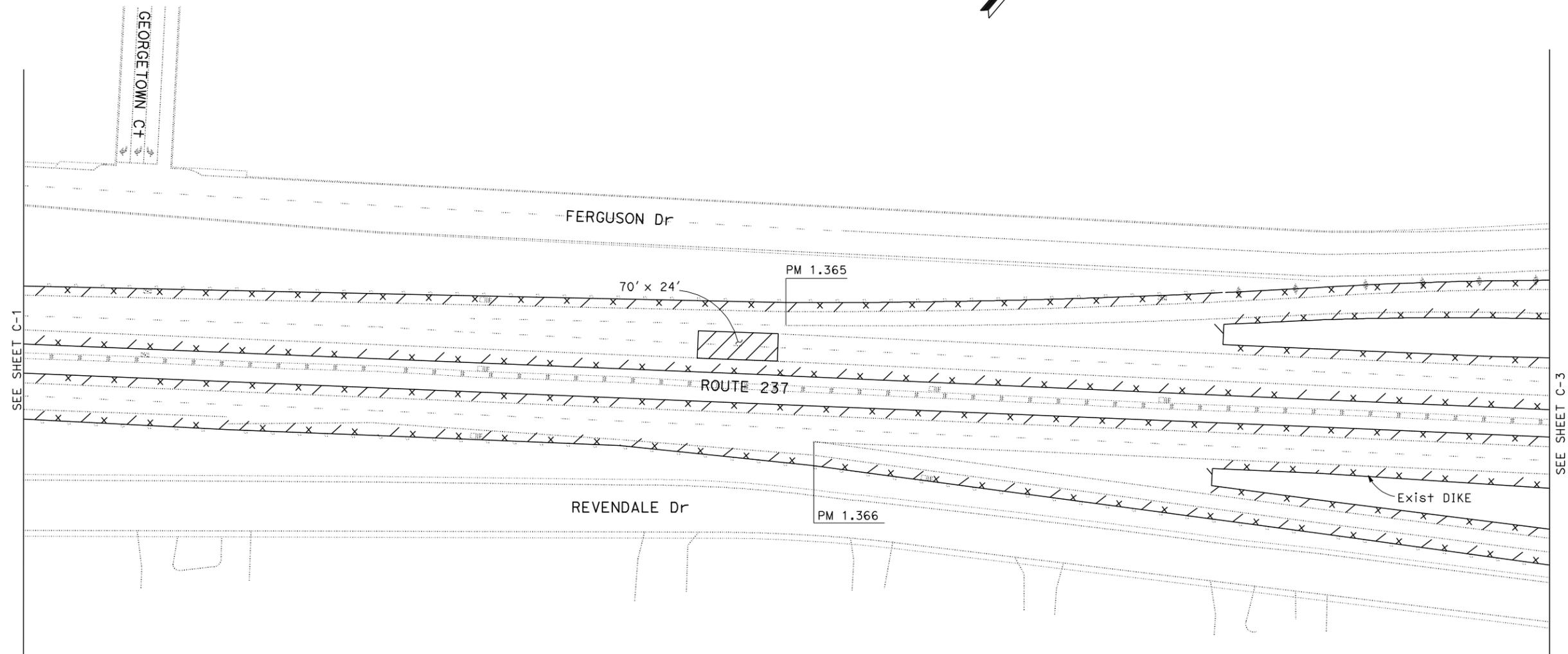
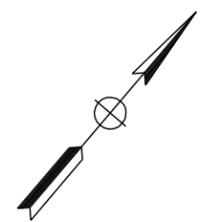
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04	SCI	237	1.0/4.0	5	61

1/6/11
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 Md. Mustaqur Rahman
 No. 75824
 Exp. 6-30-12
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 STATE OF CALIFORNIA

1-10-11
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CONSTRUCTION DETAILS
 NO SCALE

C-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR

RONNIE CHUA

CHECKED BY

RONNIE CHUA

DESIGNED BY

MD. MUSTAQUR RAHMAN

REVISOR

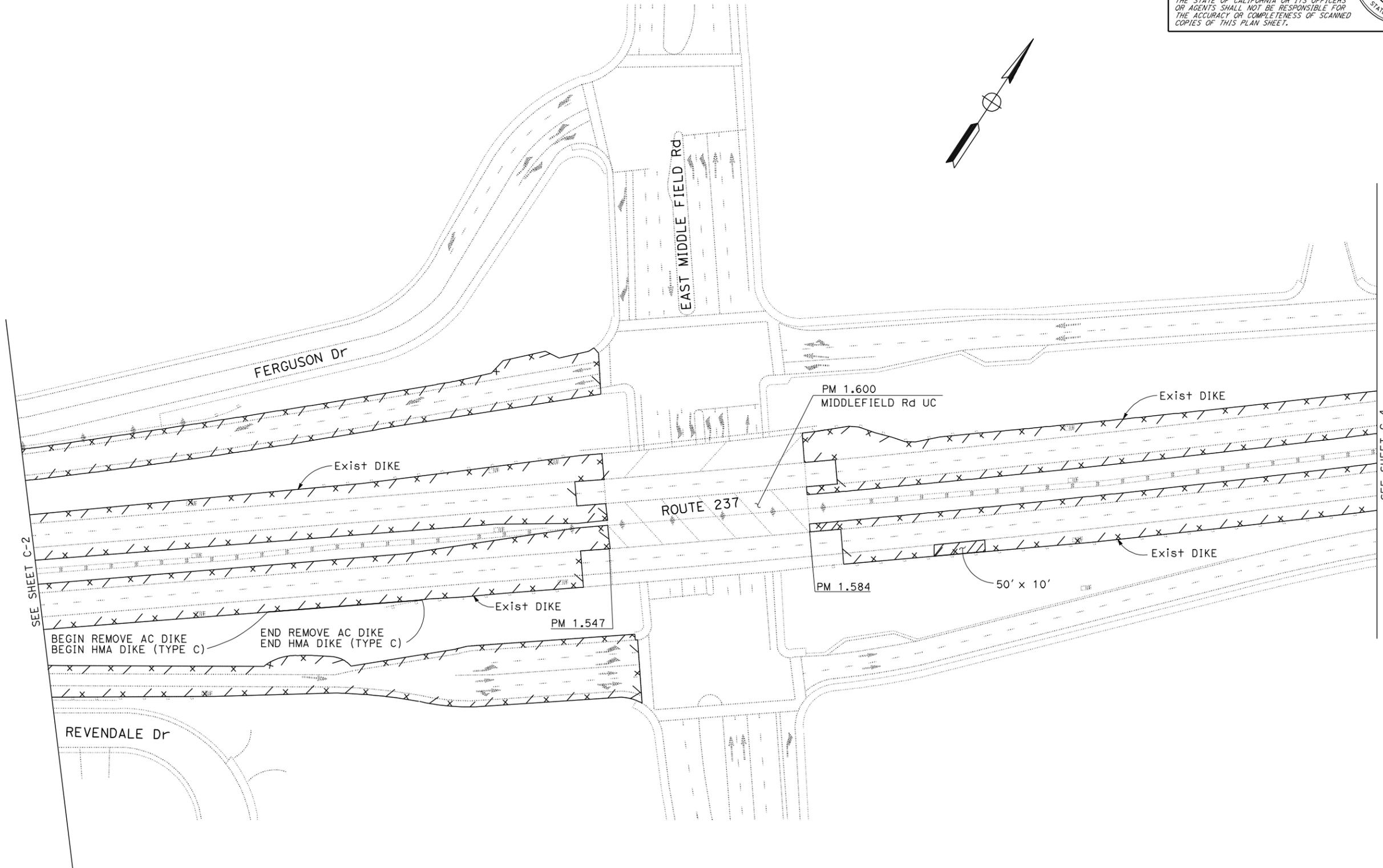
DATE REVISOR

MMR 12/30/10

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	237	1.0/4.0	6	61

REGISTERED CIVIL ENGINEER: *Md. Mustaqur Rahman* DATE: 1/6/11
 No. 75824
 Exp. 6-30-12
 CIVIL
 STATE OF CALIFORNIA
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SEE SHEET C-2

SEE SHEET C-4

BEGIN REMOVE AC DIKE
 BEGIN HMA DIKE (TYPE C)
 END REMOVE AC DIKE
 END HMA DIKE (TYPE C)

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET C-1

THIS PLAN ACCURATE FOR CONSTRUCTION DETAILS ONLY

CONSTRUCTION DETAILS
 NO SCALE

C-3



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	237	1.0/4.0	7	61

<i>Rahman</i>	1/6/11
REGISTERED CIVIL ENGINEER	DATE
1-10-11	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
Md. Mustaqur Rahman
No. 75824
Exp. 6-30-12
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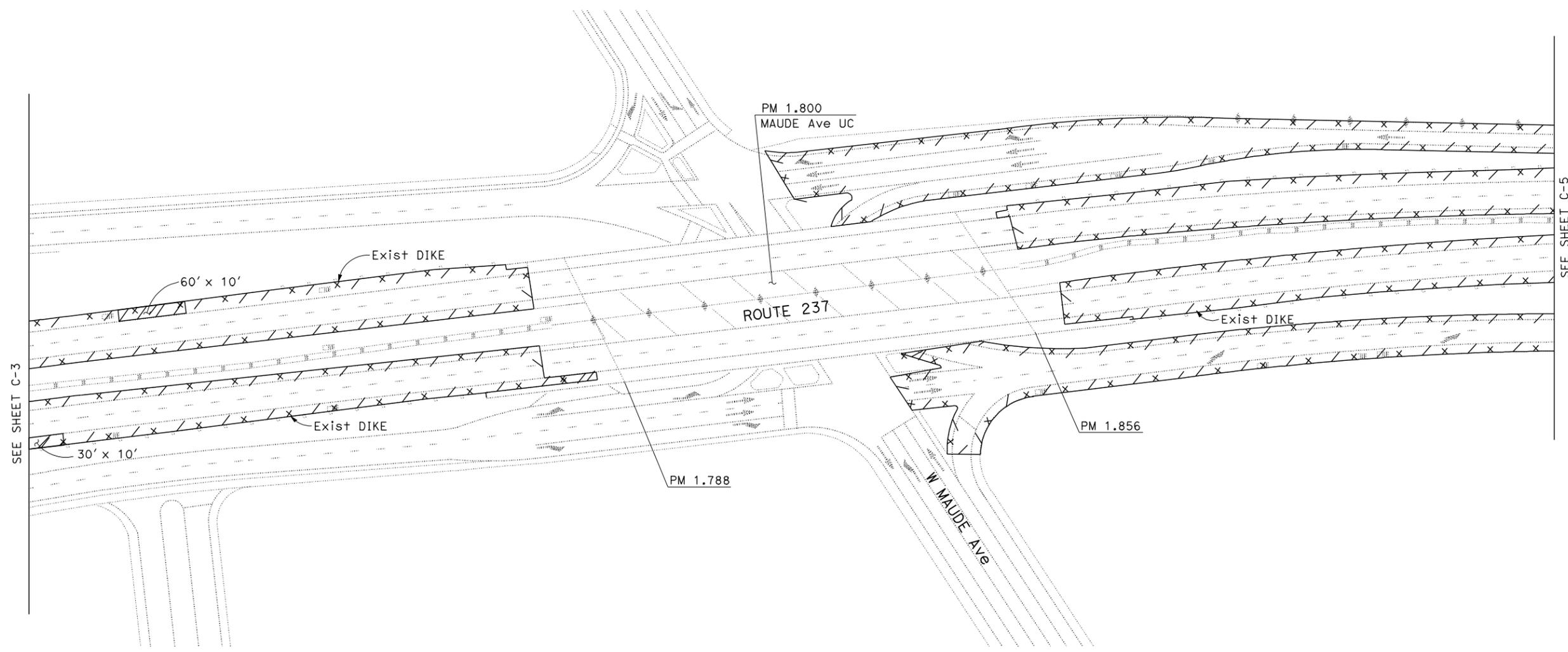
FUNCTIONAL SUPERVISOR
 RONNIE CHUA

CALCULATED-DESIGNED BY
 CHECKED BY

MD. MUSTAQUUR RAHMAN
 RONNIE CHUA

REVISOR BY
 DATE REVISED

MMR
 12/30/10



FOR NOTES, ABBREVIATIONS
 AND LEGEND, SEE SHEET C-1

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CONSTRUCTION DETAILS
 NO SCALE

C-4

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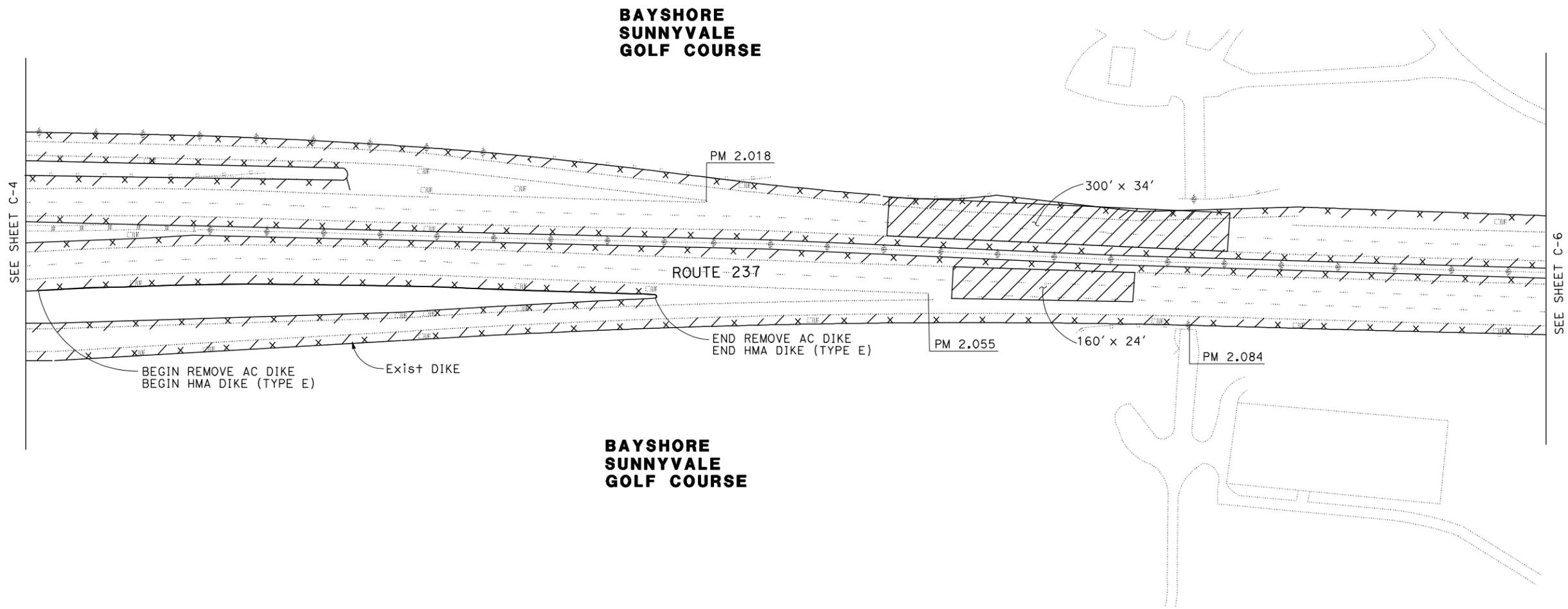
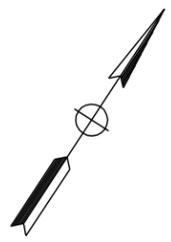
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	237	1.0/4.0	8	61

<i>Rahman</i>	1/6/11
REGISTERED CIVIL ENGINEER	DATE
1-10-11	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
Md. Mustaqur Rahman
No. 75824
Exp. 6-30-12
CIVIL
STATE OF CALIFORNIA

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 CALCULATED-DESIGNED BY: MD. MUSTAQUR RAHMAN
 CHECKED BY: RONNIE CHUA
 REVISED BY: MMR
 DATE REVISED: 12/30/10

CONSTRUCTION DETAILS
 NO SCALE

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET C-1

THIS PLAN ACCURATE FOR CONSTRUCTION DETAILS ONLY

C-5

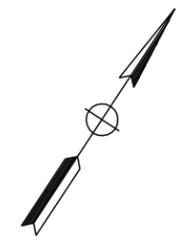
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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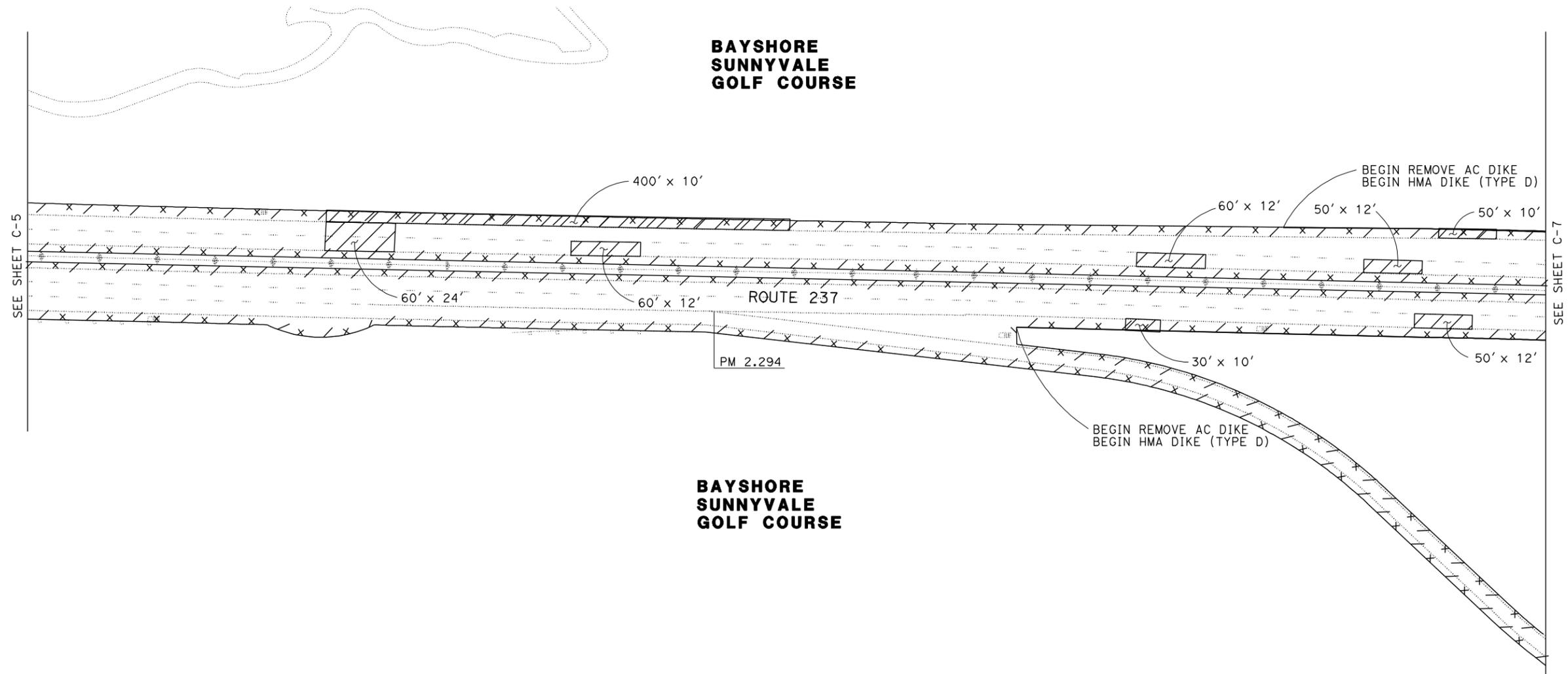
<i>Rahman</i>	1/6/11
REGISTERED CIVIL ENGINEER	DATE
1-10-11	
PLANS APPROVAL DATE	

Md. Mustaqur Rahman
No. 75824
Exp. 6-30-12
CIVIL

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St. Catrans
DESIGN

FUNCTIONAL SUPERVISOR	RONNIE CHUA
CALCULATED-DESIGNED BY	CHECKED BY
MD. MUSTAQUUR RAHMAN	RONNIE CHUA
REVISOR BY	DATE REVISED
MMR	12/30/10

CONSTRUCTION DETAILS
NO SCALE

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET C-1

THIS PLAN ACCURATE FOR CONSTRUCTION DETAILS ONLY

C-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
St. Catrans
DESIGN

FUNCTIONAL SUPERVISOR: RONNIE CHUA
 CHECKED BY: RONNIE CHUA
 CALCULATED-DESIGNED BY: MMR
 REVISOR: MMR
 DATE REVISOR: 12/30/10

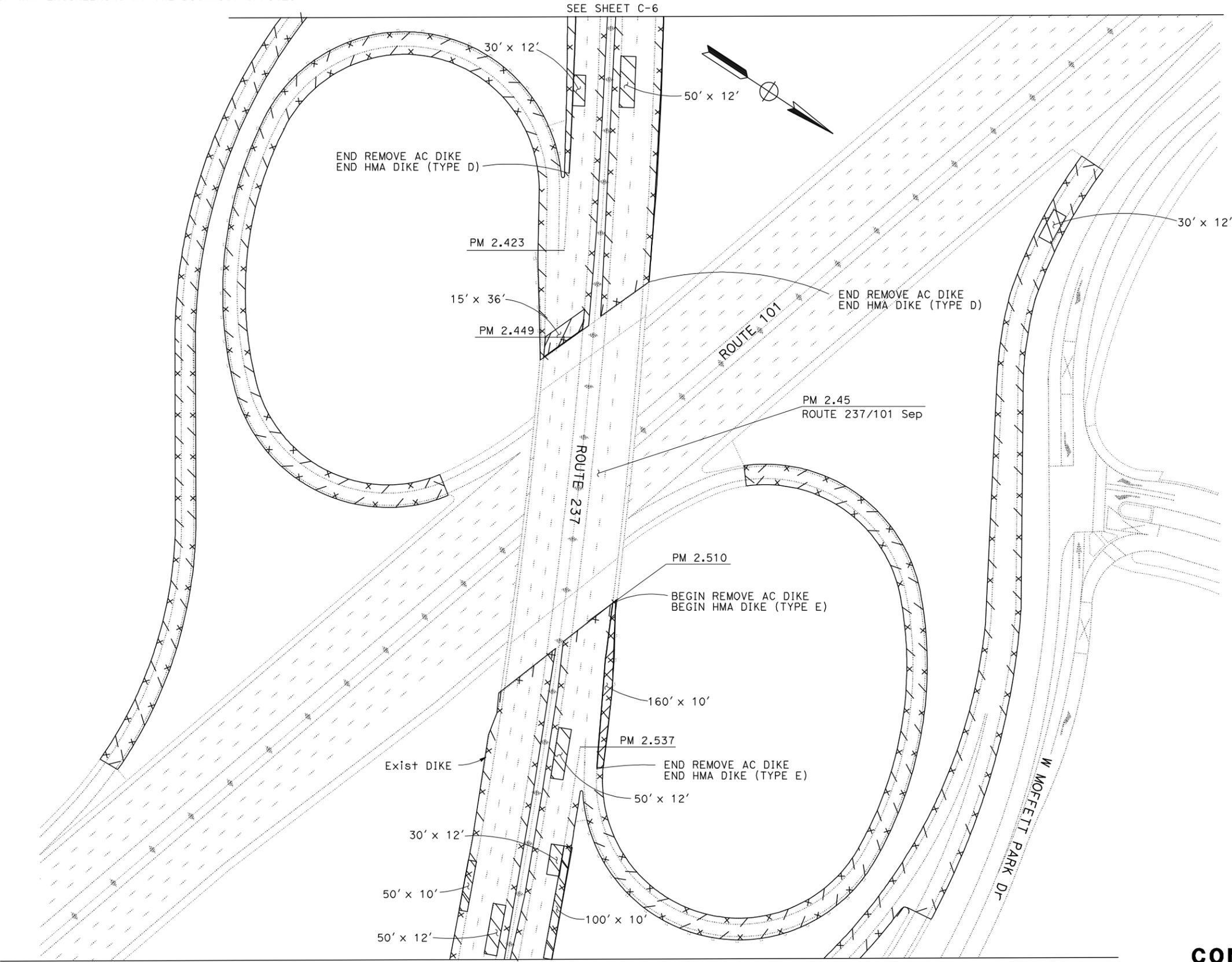
NOTE:
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	237	1.0/4.0	10	61

1/6/11
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 Exp. 6-30-12
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CONSTRUCTION DETAILS
 NO SCALE

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET C-1

THIS PLAN ACCURATE FOR CONSTRUCTION DETAILS ONLY

C-7

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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DESIGN

MMR
 12/30/10

REVISOR BY
 DATE REVISED

MD. MUSTAQUUR RAHMAN
 RONNIE CHUA

CALCULATED-DESIGNED BY
 CHECKED BY

FUNCTIONAL SUPERVISOR
 RONNIE CHUA

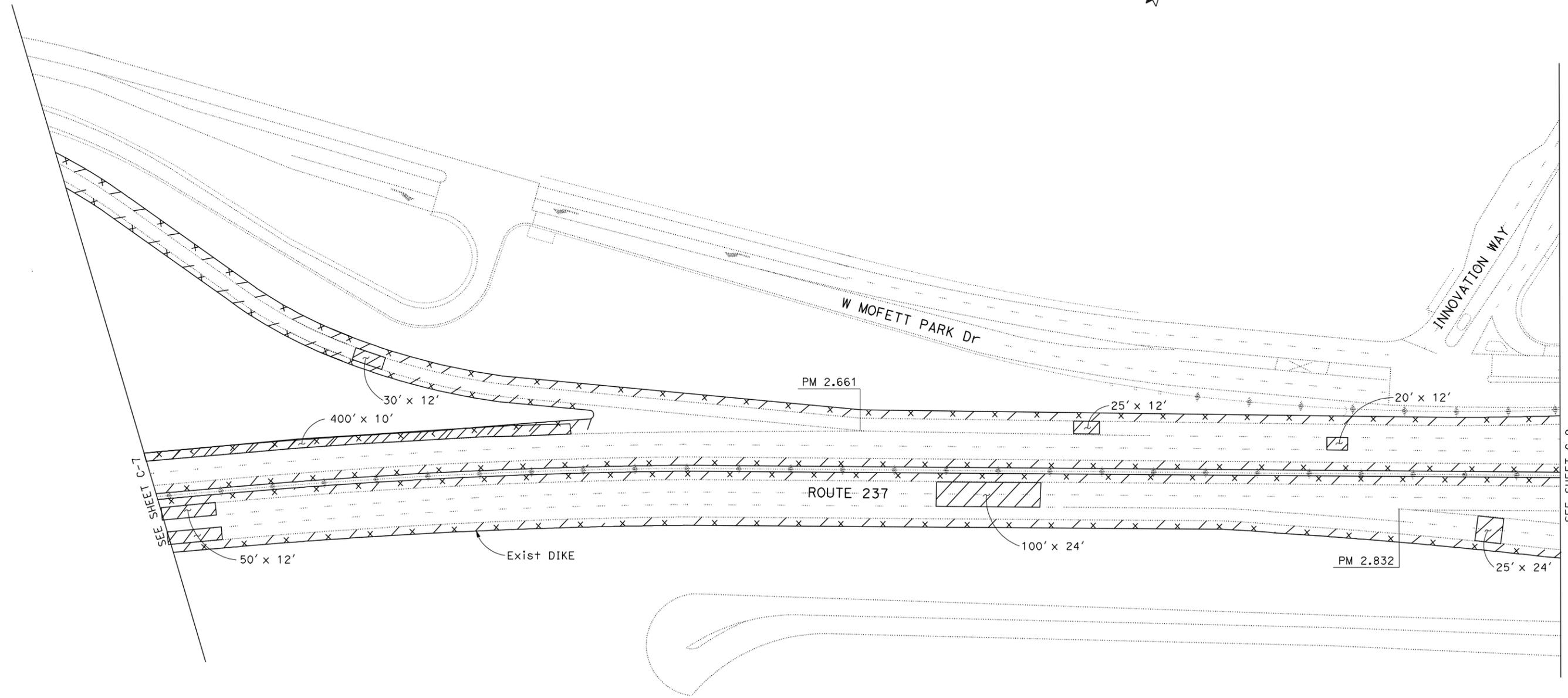
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	237	1.0/4.0	11	61

1/6/11
 REGISTERED CIVIL ENGINEER DATE
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Md. Mustaqur Rahman
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CONSTRUCTION DETAILS
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FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET C-1

THIS PLAN ACCURATE FOR CONSTRUCTION DETAILS ONLY

C-8

LAST REVISION DATE PLOTTED => 14-MAR-2011 TIME PLOTTED => 10:55

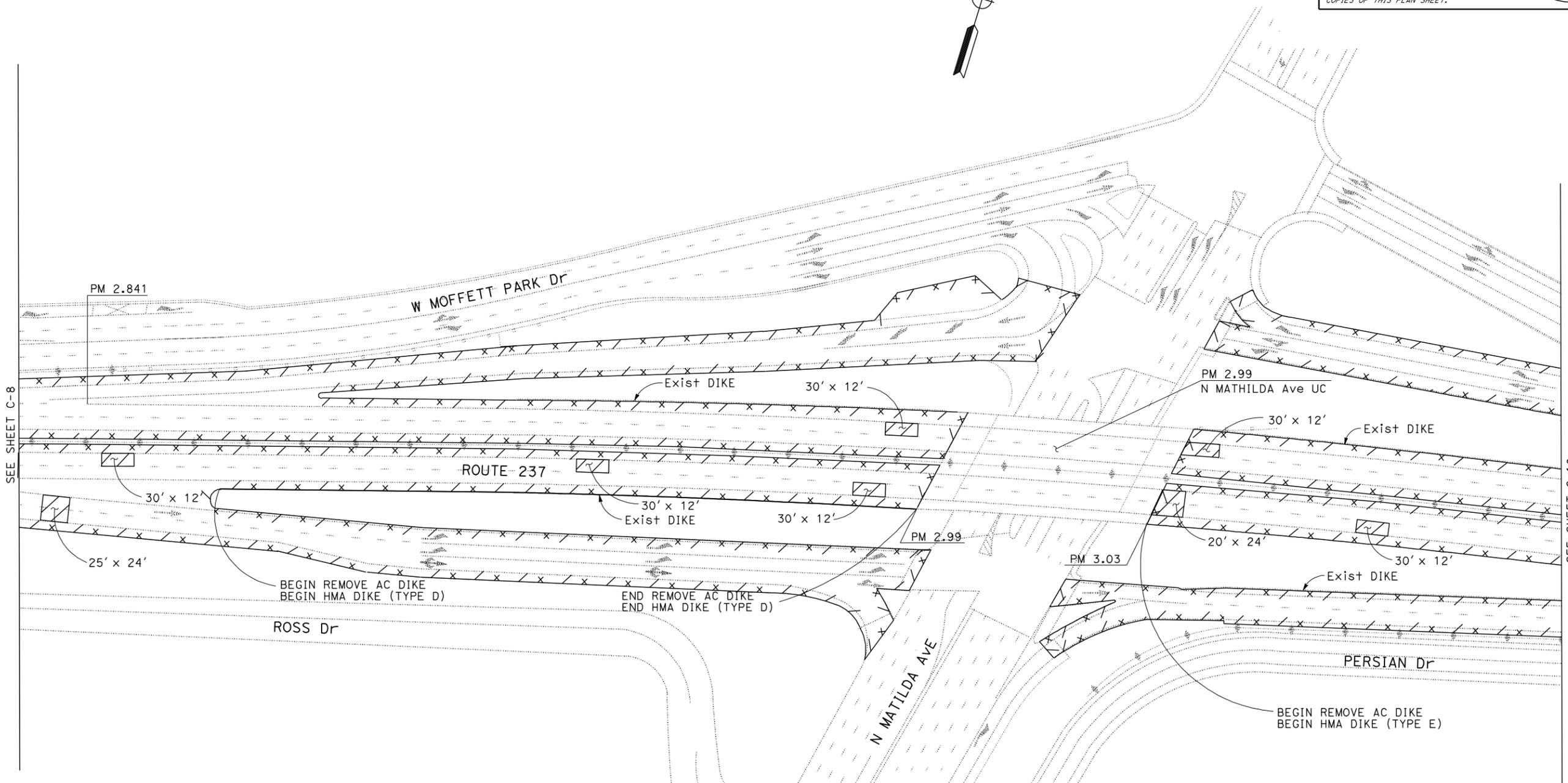
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	237	1.0/4.0	12	61

<i>Rahman</i>	1/6/11
REGISTERED CIVIL ENGINEER	DATE
1-10-11	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
Md. Mustaqur Rahman
No. 75824
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 CHECKED BY: RONNIE CHUA
 CALCULATED-DESIGNED BY: MD. MUSTAQUR RAHMAN
 REVISOR: MMR
 DATE REVISOR: 12/30/10

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET C-1

THIS PLAN ACCURATE FOR CONSTRUCTION DETAILS ONLY

CONSTRUCTION DETAILS
NO SCALE

C-9

LAST REVISION: 12-28-10 DATE PLOTTED => 14-MAR-2011 TIME PLOTTED => 10:55

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DESIGN

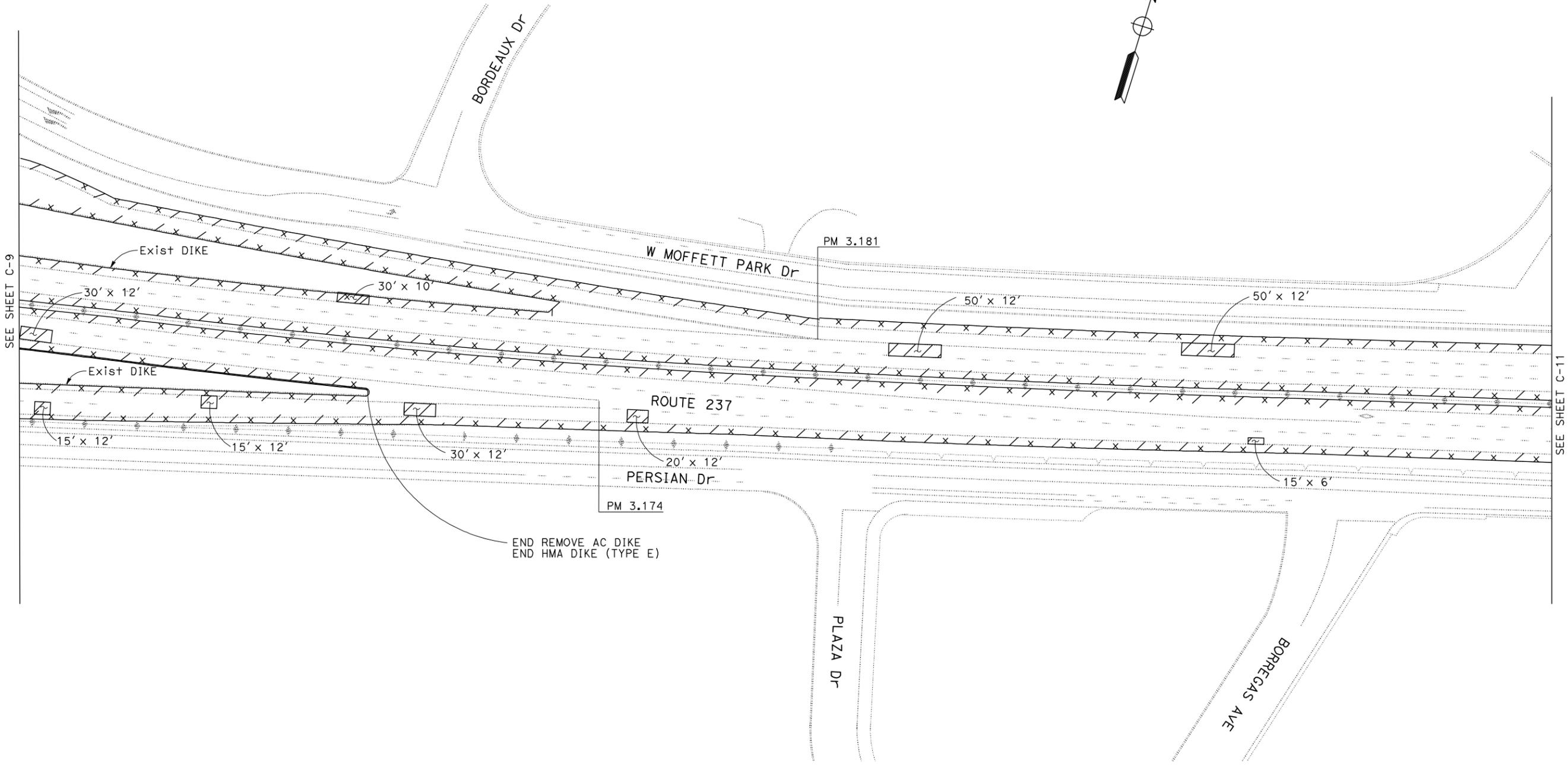
FUNCTIONAL SUPERVISOR: RONNIE CHUA
 CHECKED BY: RONNIE CHUA
 CALCULATED-DESIGNED BY: M.D. MUSTAQUUR RAHMAN
 REVISOR: MMR
 DATE: 12/30/10

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04	SCI	237	1.0/4.0	13	61

REGISTERED CIVIL ENGINEER: *Md. Mustaqur Rahman*
 DATE: 1/6/11
 PLANS APPROVAL DATE: 1-10-11
 No. 75824
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SEE SHEET C-9

SEE SHEET C-11

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET C-1

THIS PLAN ACCURATE FOR CONSTRUCTION DETAILS ONLY

CONSTRUCTION DETAILS
 NO SCALE

C-10

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
St. Catrans
DESIGN

FUNCTIONAL SUPERVISOR
 RONNIE CHUA

CHECKED BY
 RONNIE CHUA

DESIGNED BY
 MD. MUSTAQUR RAHMAN

REVISOR
 MMR

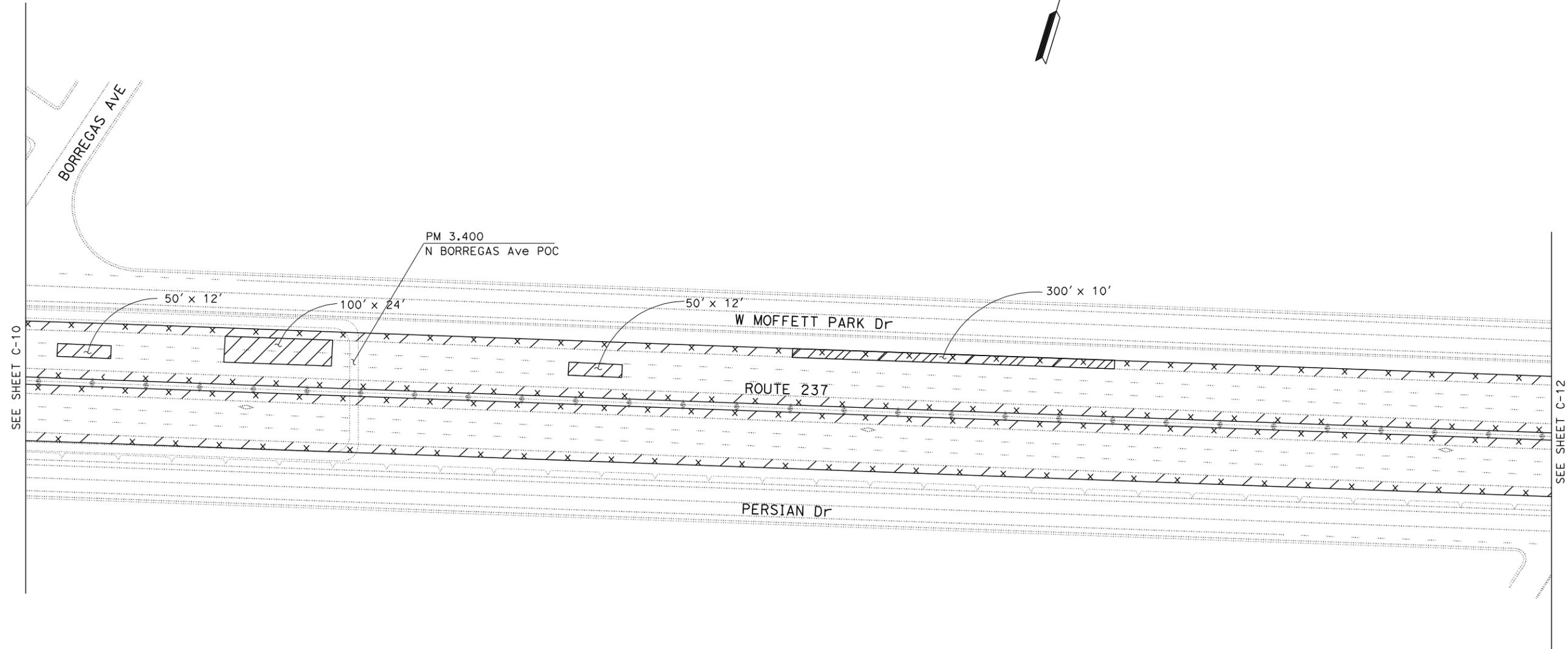
DATE REVISION
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1/6/11
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 REGISTERED PROFESSIONAL ENGINEER

1-10-11
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SEE SHEET C-10

SEE SHEET C-12

CONSTRUCTION DETAILS
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C-11



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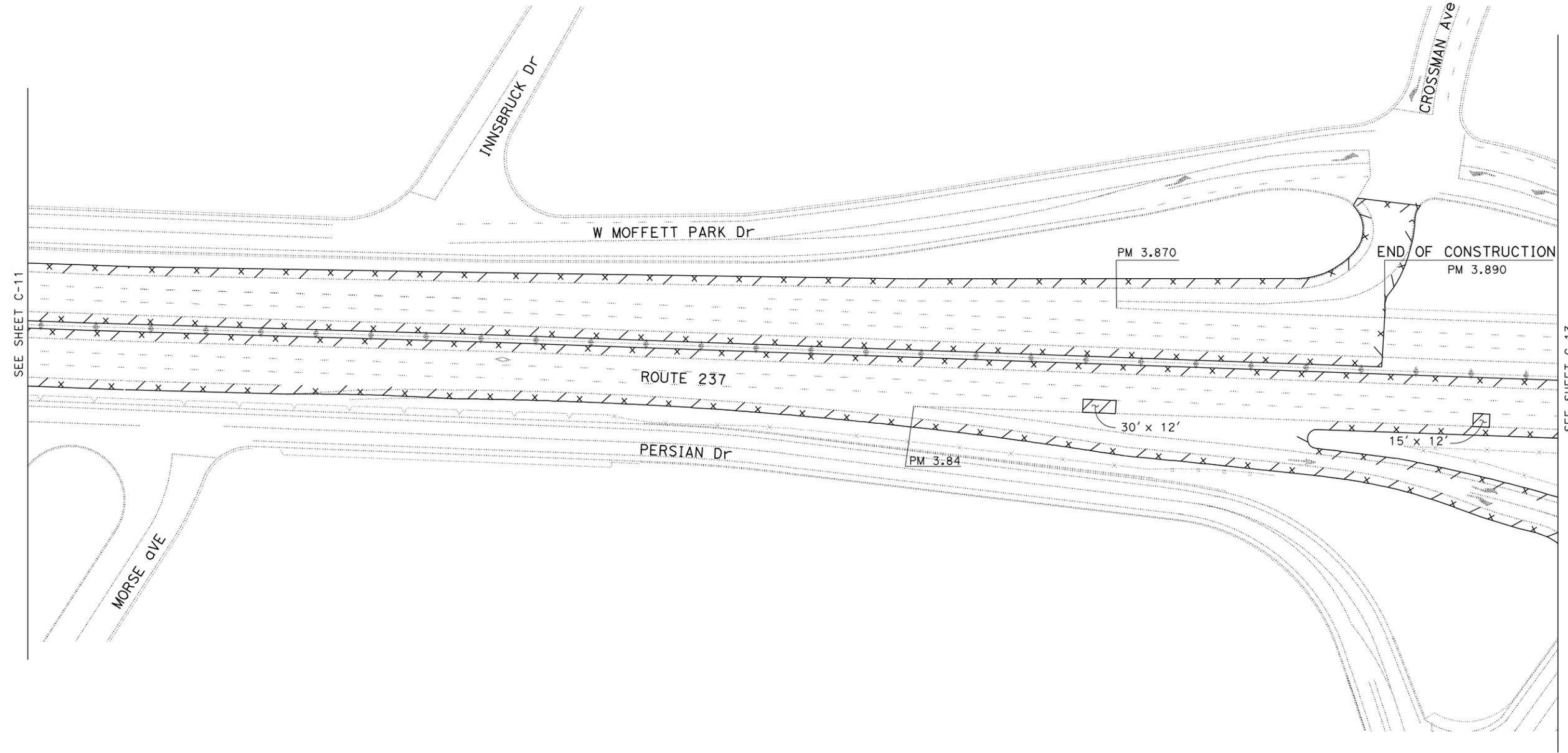
FUNCTIONAL SUPERVISOR: RONNIE CHUA
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 CALCULATED-DESIGNED BY: MD. MUSTAQUR RAHMAN
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C-12

LAST REVISION: 12-28-10 DATE PLOTTED => 14-MAR-2011 TIME PLOTTED => 10:56

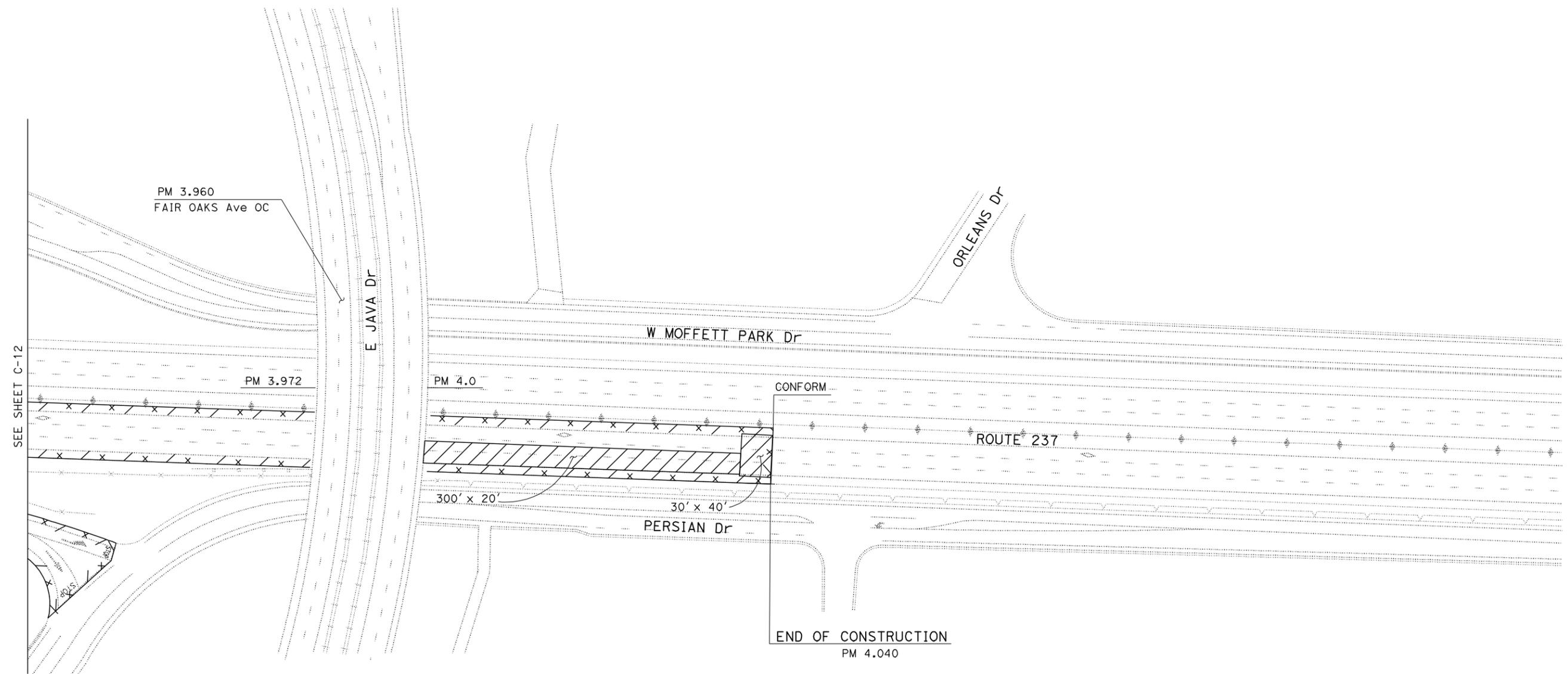
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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	237	1.0/4.0	16	61

REGISTERED CIVIL ENGINEER: *Md. Mustaqur Rahman*
 DATE: 1/6/11
 PLANS APPROVAL DATE: 1-10-11

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



CONSTRUCTION DETAILS
 NO SCALE

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET C-1

THIS PLAN ACCURATE FOR CONSTRUCTION DETAILS ONLY

C-13

LAST REVISION | DATE PLOTTED => 14-MAR-2011 | TIME PLOTTED => 10:56
 12-28-10

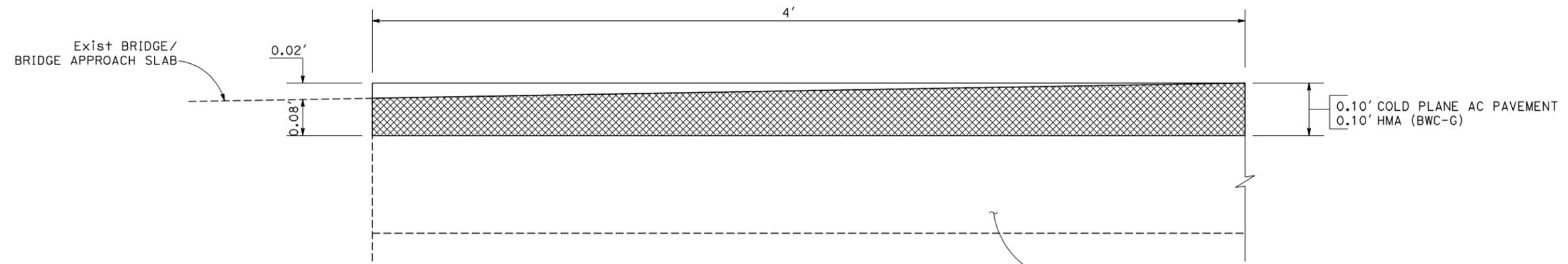
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN
 FUNCTIONAL SUPERVISOR
 RONNIE CHUA
 CHECKED BY
 RONNIE CHUA
 CALCULATED-DESIGNED BY
 MD. MUSTAQUUR RAHMAN
 REVISOR
 DATE
 MMR
 12/30/10

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	237	1.0/4.0	17	61

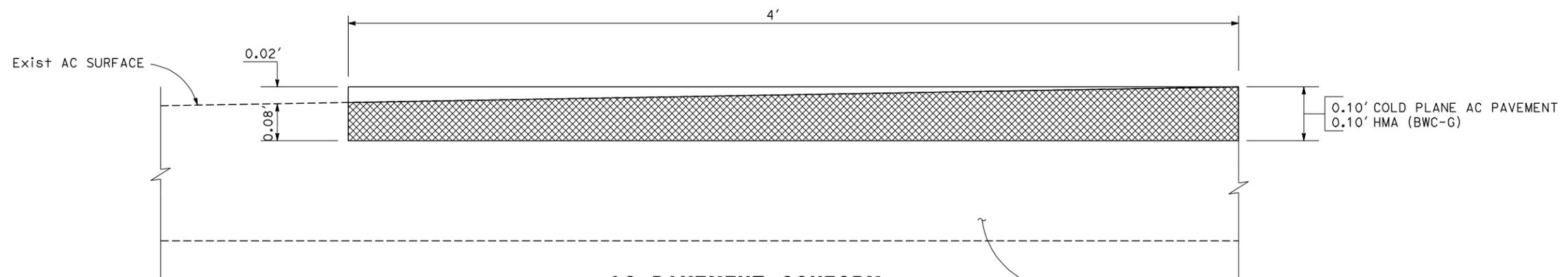
REGISTERED CIVIL ENGINEER
 Md. Mustaqur Rahman
 No. 75824
 Exp. 6-30-12
 CIVIL
 STATE OF CALIFORNIA

1/6/11
 DATE
 1-10-11
 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.



BRIDGE APPROACH CONFORM
(DETAIL A)



AC PAVEMENT CONFORM
(DETAIL B)

CONSTRUCTION DETAILS
NO SCALE

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET C-1

THIS PLAN ACCURATE FOR CONSTRUCTION DETAILS ONLY

C-14

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 FUNCTIONAL SUPERVISOR: JERYLIN L. STRUVEN
 CHECKED BY: JERILYN STRUVEN
 SHARI TALAI
 REVISOR: JERILYN STRUVEN
 DATE: 12/27/10
 HR

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	237	1.0/4.0	18	61

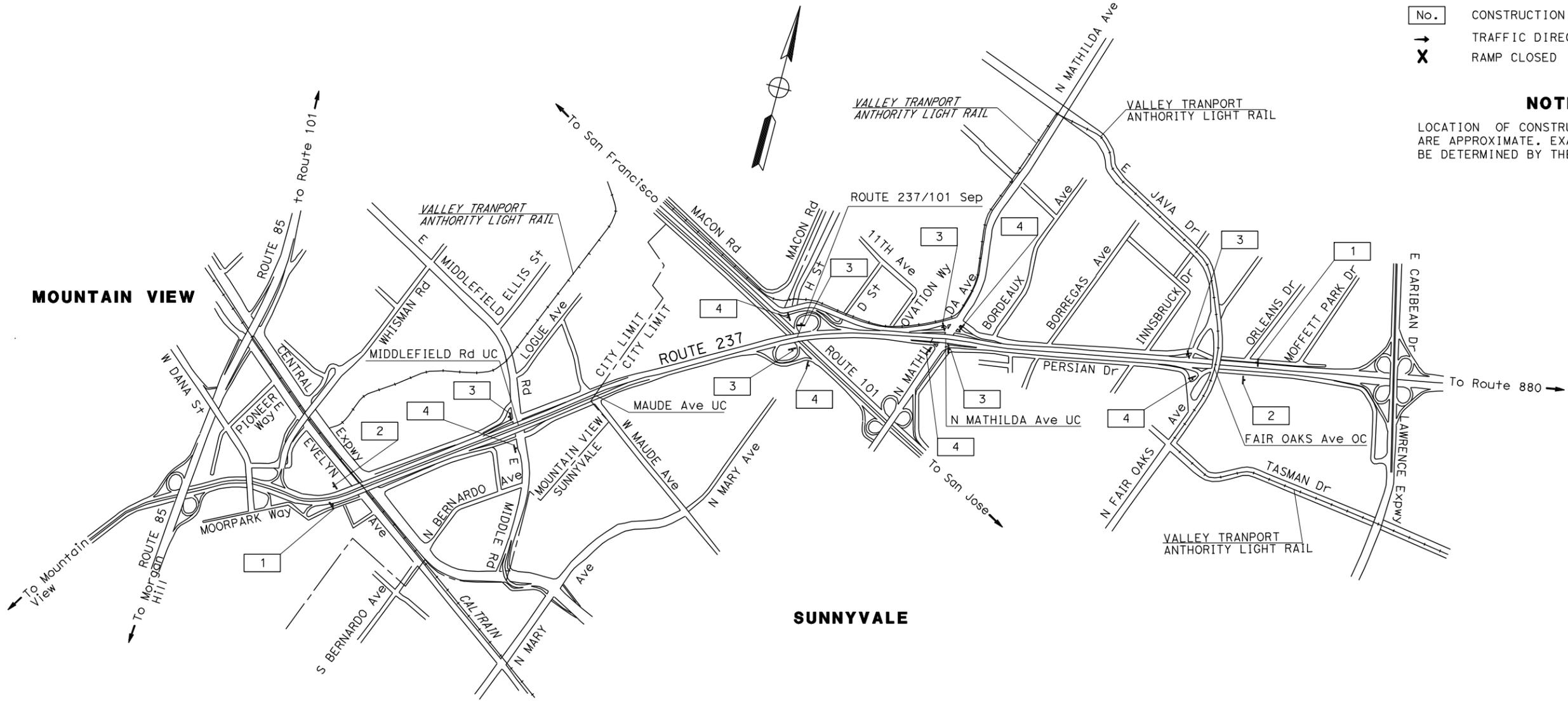
1/5/11
 REGISTERED CIVIL ENGINEER DATE
 1-10-11
 PLANS APPROVAL DATE
 REGISTERED PROFESSIONAL ENGINEER
 Jerilyn L. Struven
 No. 49964
 Exp. 12-31-12
 CIVIL
 STATE OF CALIFORNIA
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

LEGEND

- No. CONSTRUCTION AREA SIGN NUMBER
- TRAFFIC DIRECTION
- X RAMP CLOSED

NOTE

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



CONSTRUCTION AREA SIGNS
 NO SCALE

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

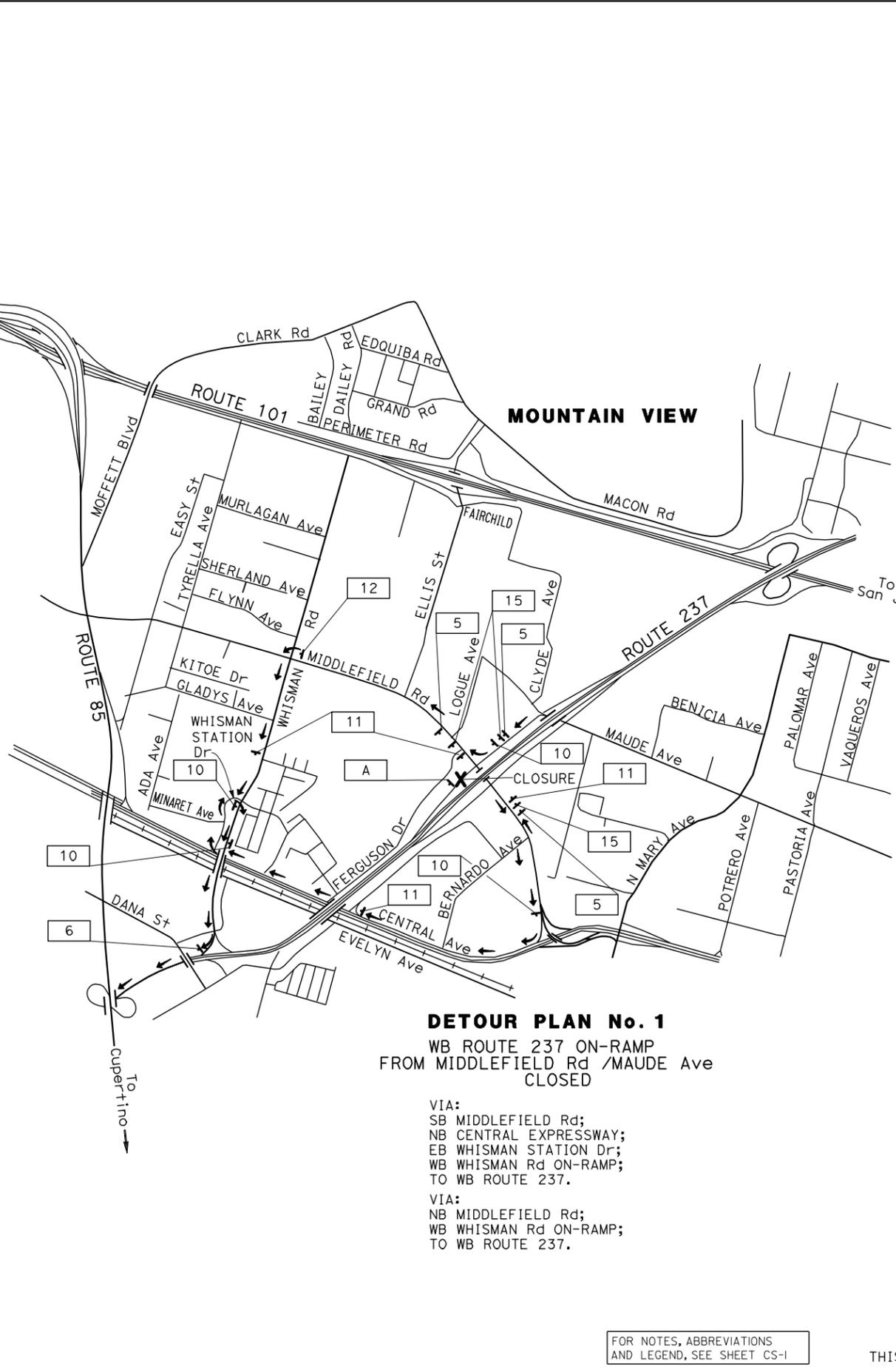
CS-1

LAST REVISION 12-28-10 DATE PLOTTED => 14-MAR-2011 TIME PLOTTED => 10:56

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC

FUNCTIONAL SUPERVISOR: JERYLIN L. STRUVEN
 CHECKED BY: JERILYN STRUVEN
 SHARI TALAI
 HR: 12/27/10
 REVISED BY: DATE REVISED

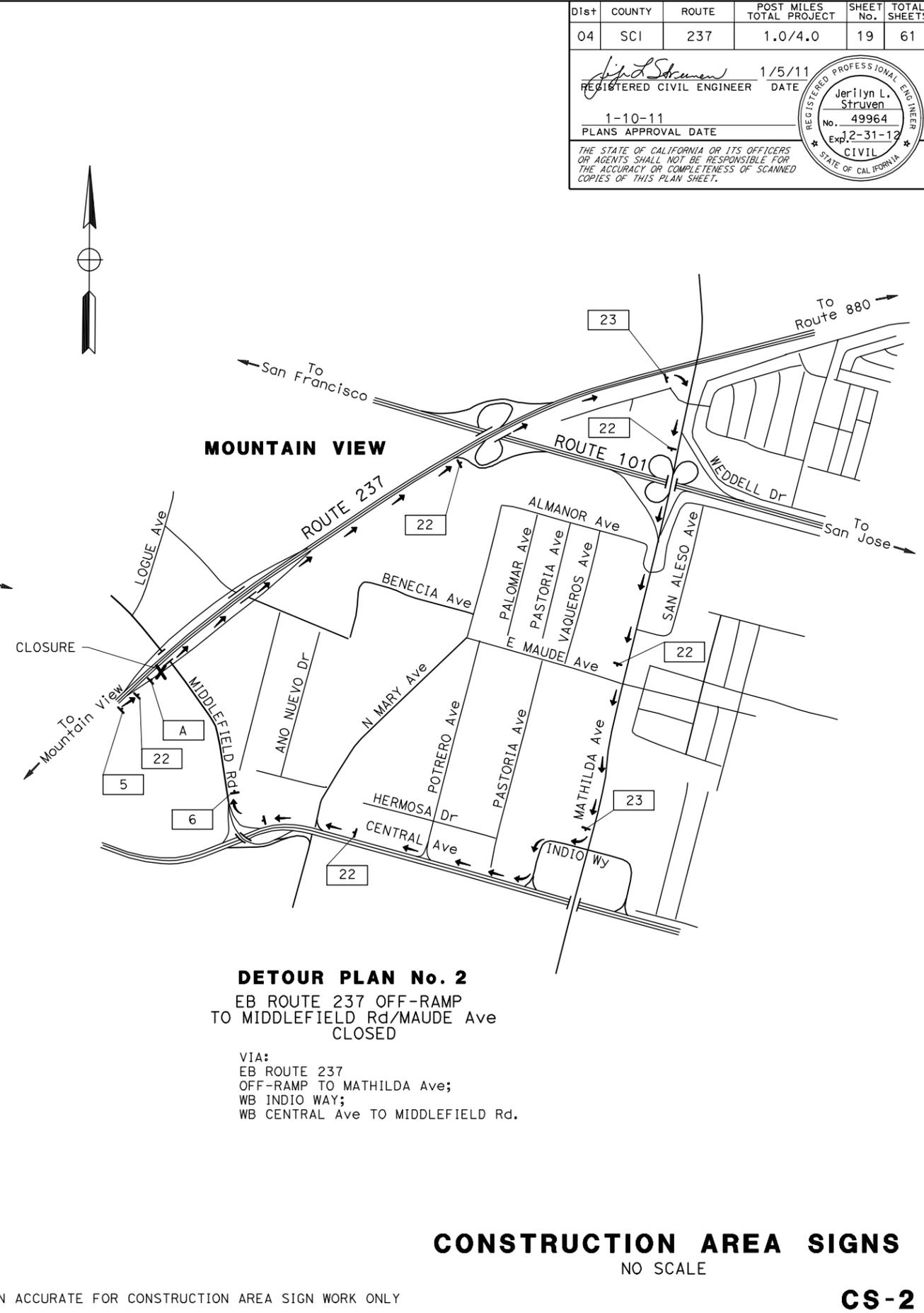
Caltrans logo and project information



DETOUR PLAN No. 1
 WB ROUTE 237 ON-RAMP
 FROM MIDDLEFIELD Rd /MAUDE Ave
 CLOSED

VIA:
 SB MIDDLEFIELD Rd;
 NB CENTRAL EXPRESSWAY;
 EB WHISMAN STATION Dr;
 WB WHISMAN Rd ON-RAMP;
 TO WB ROUTE 237.

VIA:
 NB MIDDLEFIELD Rd;
 WB WHISMAN Rd ON-RAMP;
 TO WB ROUTE 237.



DETOUR PLAN No. 2
 EB ROUTE 237 OFF-RAMP
 TO MIDDLEFIELD Rd/MAUDE Ave
 CLOSED

VIA:
 EB ROUTE 237
 OFF-RAMP TO MATHILDA Ave;
 WB INDIO WAY;
 WB CENTRAL Ave TO MIDDLEFIELD Rd.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	237	1.0/4.0	19	61

REGISTERED CIVIL ENGINEER: Jerilyn L. Struven
 No. 49964
 Exp. 2-31-12
 DATE: 1/5/11
 PLANS APPROVAL DATE: 1-10-11

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



FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET CS-1

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

CONSTRUCTION AREA SIGNS
 NO SCALE

CS-2

DATE PLOTTED => 14-MAR-2011
 TIME PLOTTED => 10:56

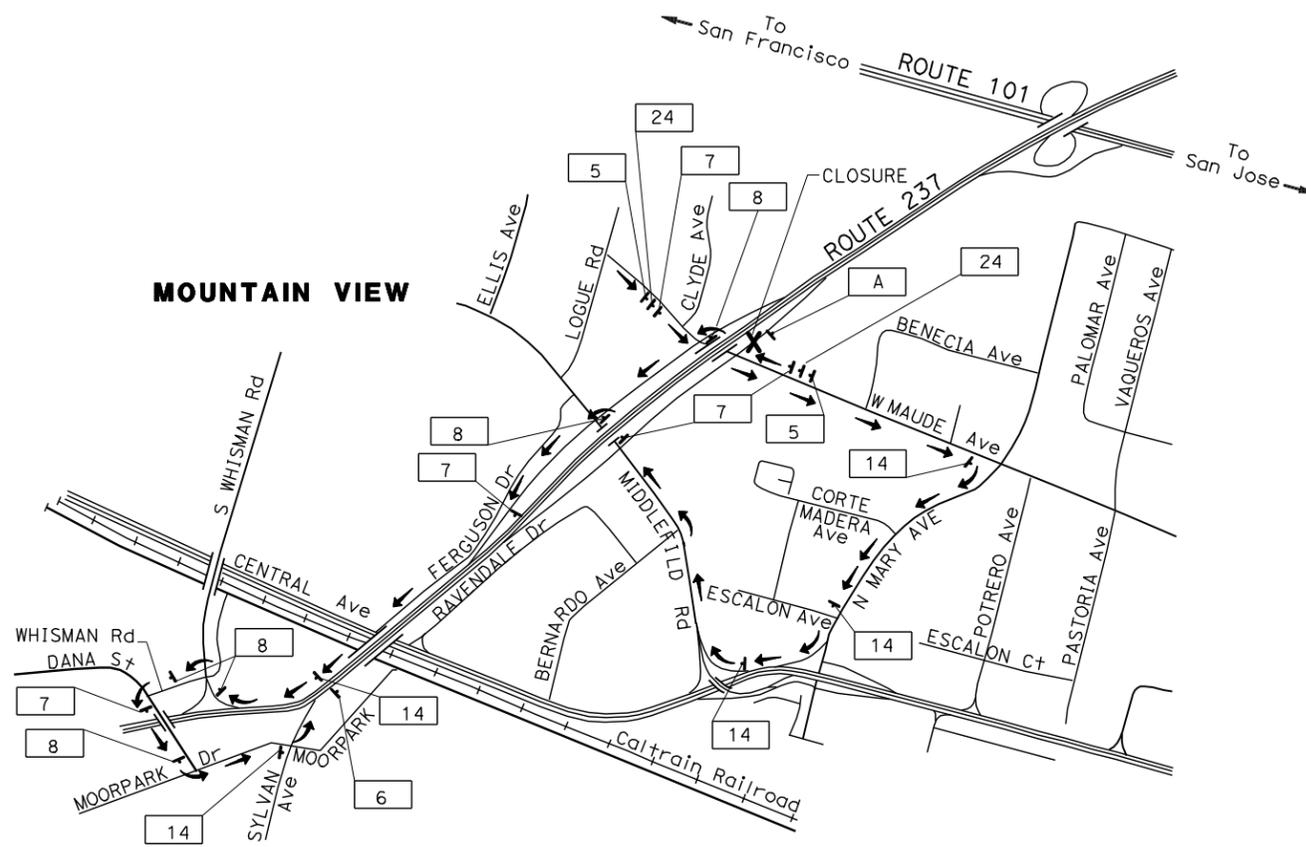
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC

FUNCTIONAL SUPERVISOR: JERYLIN L. STRUVEN
 CALCULATED/DESIGNED BY: JERYLIN L. STRUVEN
 CHECKED BY: JERYLIN STRUVEN
 SHARI TALAI
 HR: 12/27/10

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	237	1.0/4.0	20	61

J. L. Struven 1/5/11
 REGISTERED CIVIL ENGINEER DATE
 1-10-11
 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.

REGISTERED PROFESSIONAL ENGINEER
 Jerilyn L. Struven
 No. 49964
 Exp. 2-31-12
 CIVIL
 STATE OF CALIFORNIA

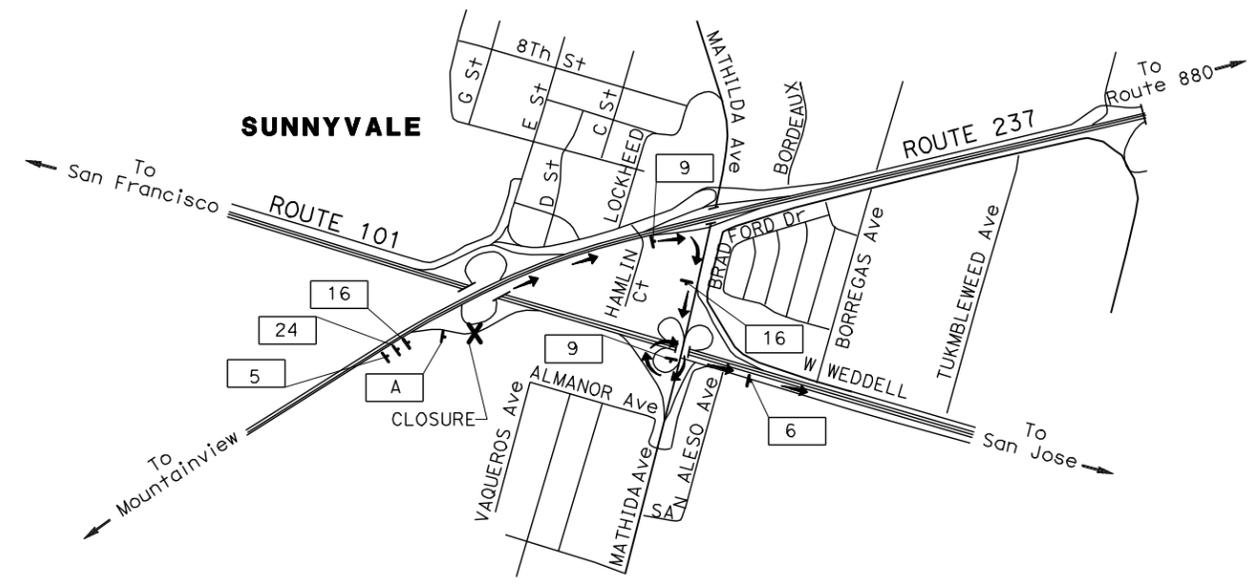
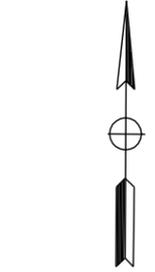


MOUNTAIN VIEW

DETOUR PLAN No. 3
 EB ROUTE 237 ON-RAMP
 FROM MIDDLEFIELD Rd/MAUDE Ave
 CLOSED

VIA:
 NB MAUDE Ave/MIDDLEFIELD Rd TO WB ROUTE 237 ON-RAMP;
 WB ROUTE 237 TO WHISMAN Rd/E DANA OFF-RAMP;
 WB WHISMAN Rd;
 SB E DANA St;
 EB MOORPARK TO EB ON-RAMP FROM SYLVAN Ave.

VIA:
 SB MAUDE Ave;
 SB MARY Ave;
 NB MIDDLEFIELD Rd TO WB ROUTE 237 ON-RAMP;
 WB ROUTE 237 TO WHISMAN Rd/E DANA OFF-RAMP;
 WB WHISMAN Rd;
 SB E DANA St;
 EB MOORPARK;
 TO EB ON-RAMP FROM SYLVAN Ave.



SUNNYVALE

DETOUR PLAN No. 4
 EB ROUTE 237 CONNECTOR OFF-RAMP
 TO SB ROUTE 101
 CLOSED

VIA:
 EB ROUTE 237;
 OFF-RAMP TO MATHILDA Ave;
 SB MATHILDA Ave TO SB ROUTE 101 LOOP ON-RAMP.

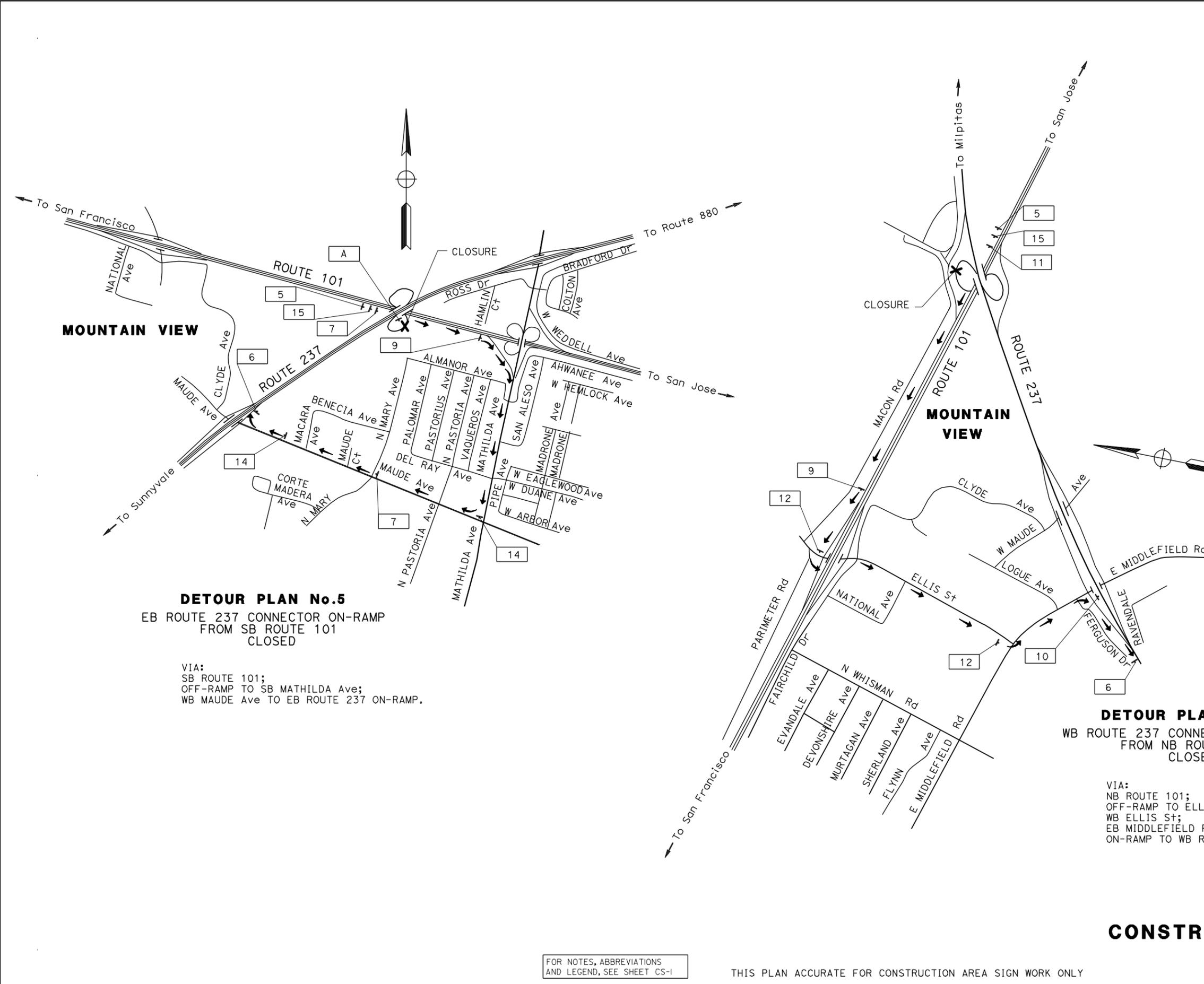
FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET CS-1

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

CONSTRUCTION AREA SIGNS
 NO SCALE

CS-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	237	1.0/4.0	21	61

1/5/11
 REGISTERED CIVIL ENGINEER DATE
 1-10-11
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 Jerilyn L. Struven
 No. 49964
 Exp. 2-31-12
 CIVIL
 STATE OF CALIFORNIA

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET CS-1

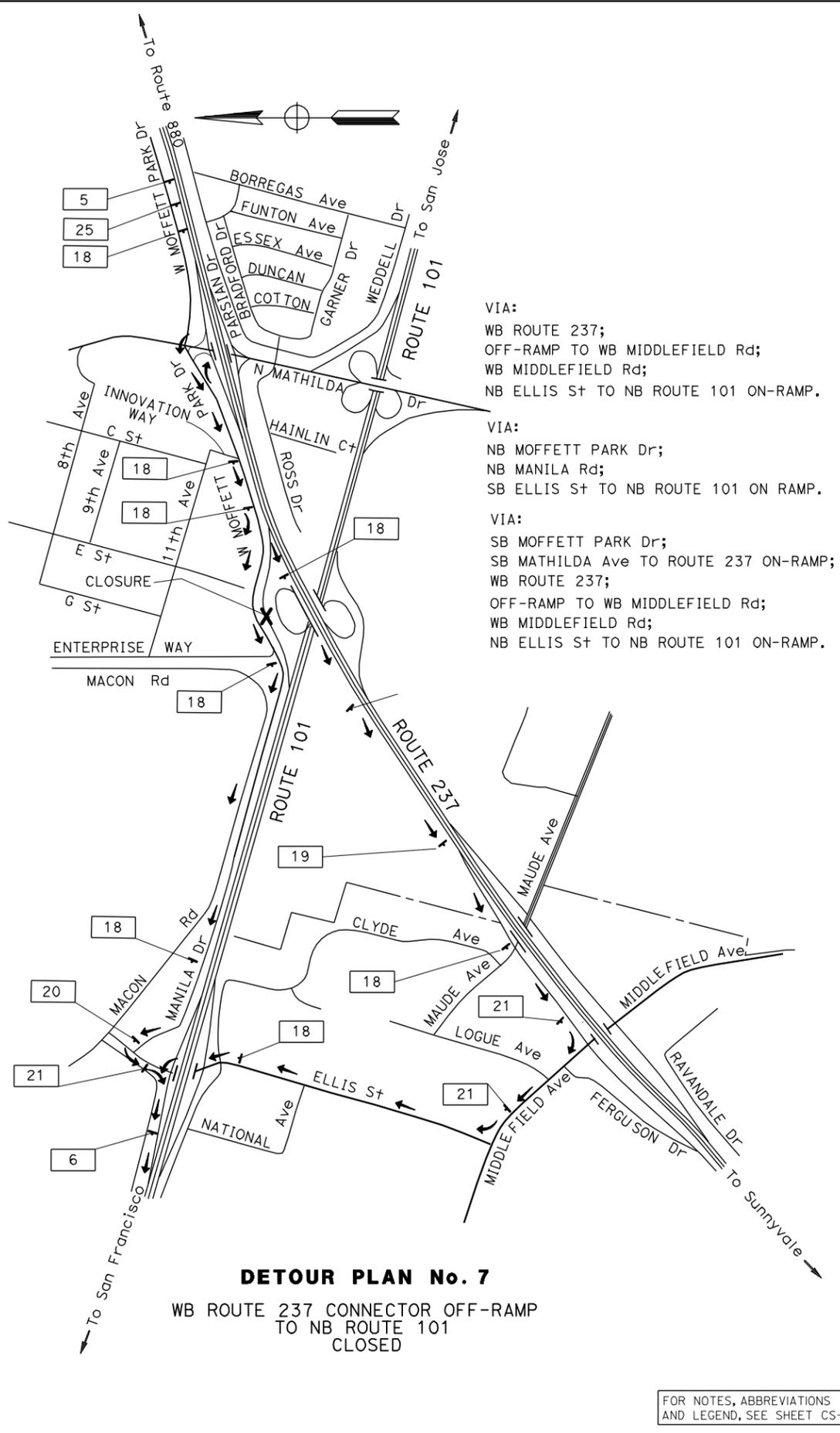
THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

CONSTRUCTION AREA SIGNS
 NO SCALE

CS-4

DATE PLOTTED => 14-MAR-2011
 TIME PLOTTED => 10:57
 LAST REVISION 12-28-10

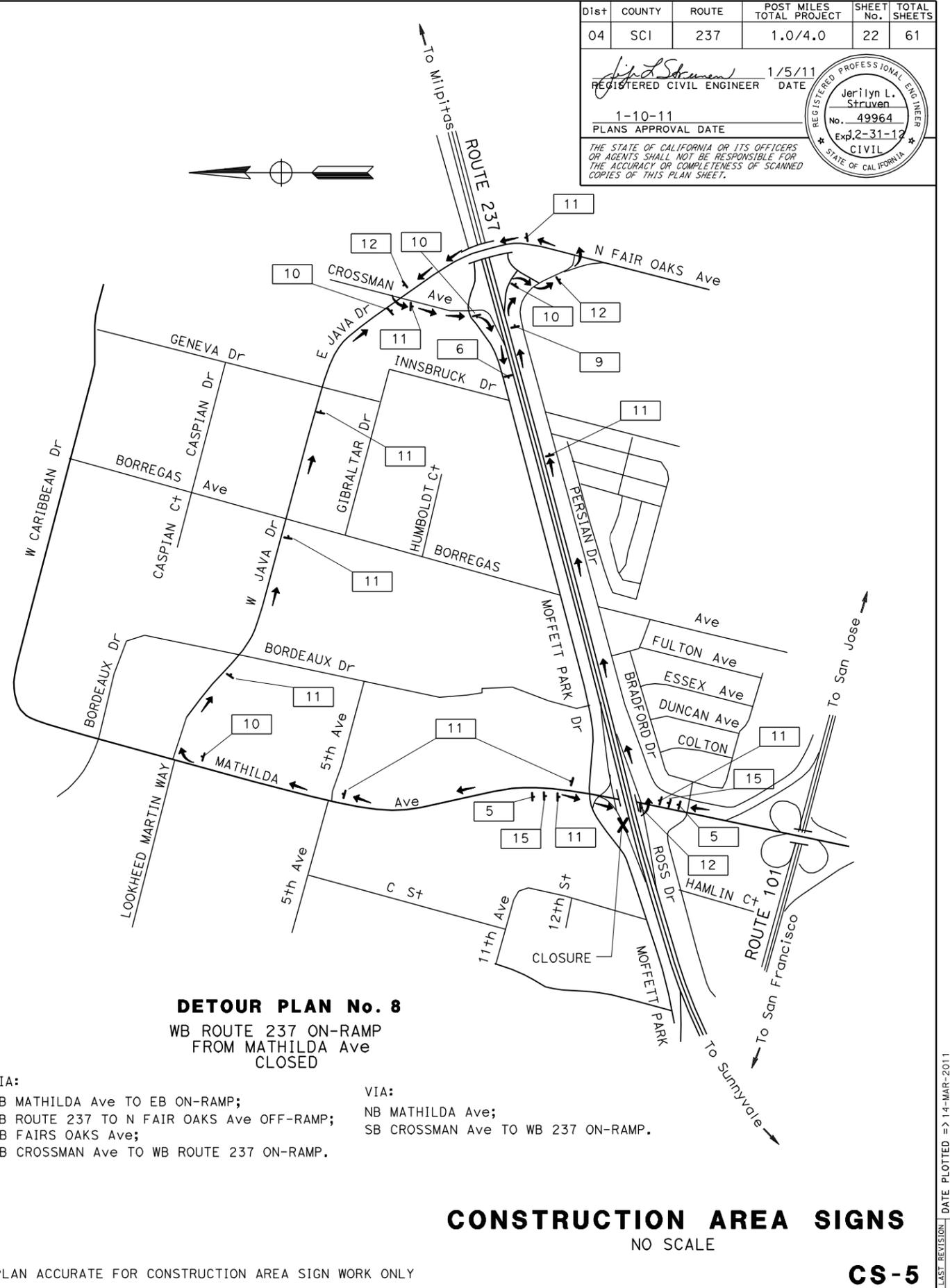
FUNCTIONAL SUPERVISOR JERYLIN L. STRUVEN	DESIGNED BY SHARI TALAI	REVISIONS	DATE
CHECKED BY	JERILYN STRUVEN	HR	12/27/10
CALCULATED-		REVISED BY	DATE REVISED
DESIGNED BY			



VIA:
 WB ROUTE 237;
 OFF-RAMP TO WB MIDDLEFIELD Rd;
 WB MIDDLEFIELD Rd;
 NB ELLIS St TO NB ROUTE 101 ON-RAMP.

VIA:
 NB MOFFETT PARK Dr;
 NB MANILA Rd;
 SB ELLIS St TO NB ROUTE 101 ON RAMP.

VIA:
 SB MOFFETT PARK Dr;
 SB MATHILDA Ave TO ROUTE 237 ON-RAMP;
 WB ROUTE 237;
 OFF-RAMP TO WB MIDDLEFIELD Rd;
 WB MIDDLEFIELD Rd;
 NB ELLIS St TO NB ROUTE 101 ON-RAMP.



VIA:
 SB MATHILDA Ave TO EB ON-RAMP;
 EB ROUTE 237 TO N FAIR OAKS Ave OFF-RAMP;
 NB FAIR OAKS Ave;
 SB CROSSMAN Ave TO WB ROUTE 237 ON-RAMP.

VIA:
 NB MATHILDA Ave;
 SB CROSSMAN Ave TO WB 237 ON-RAMP.

CONSTRUCTION AREA SIGNS
 NO SCALE

CS-5

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	237	1.0/4.0	22	61

REGISTERED CIVIL ENGINEER
 1/5/11 DATE
 1-10-11 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.

REGISTERED PROFESSIONAL ENGINEER
 Jerilyn L. Struven
 No. 49964
 Exp. 2-31-12
 CIVIL
 STATE OF CALIFORNIA

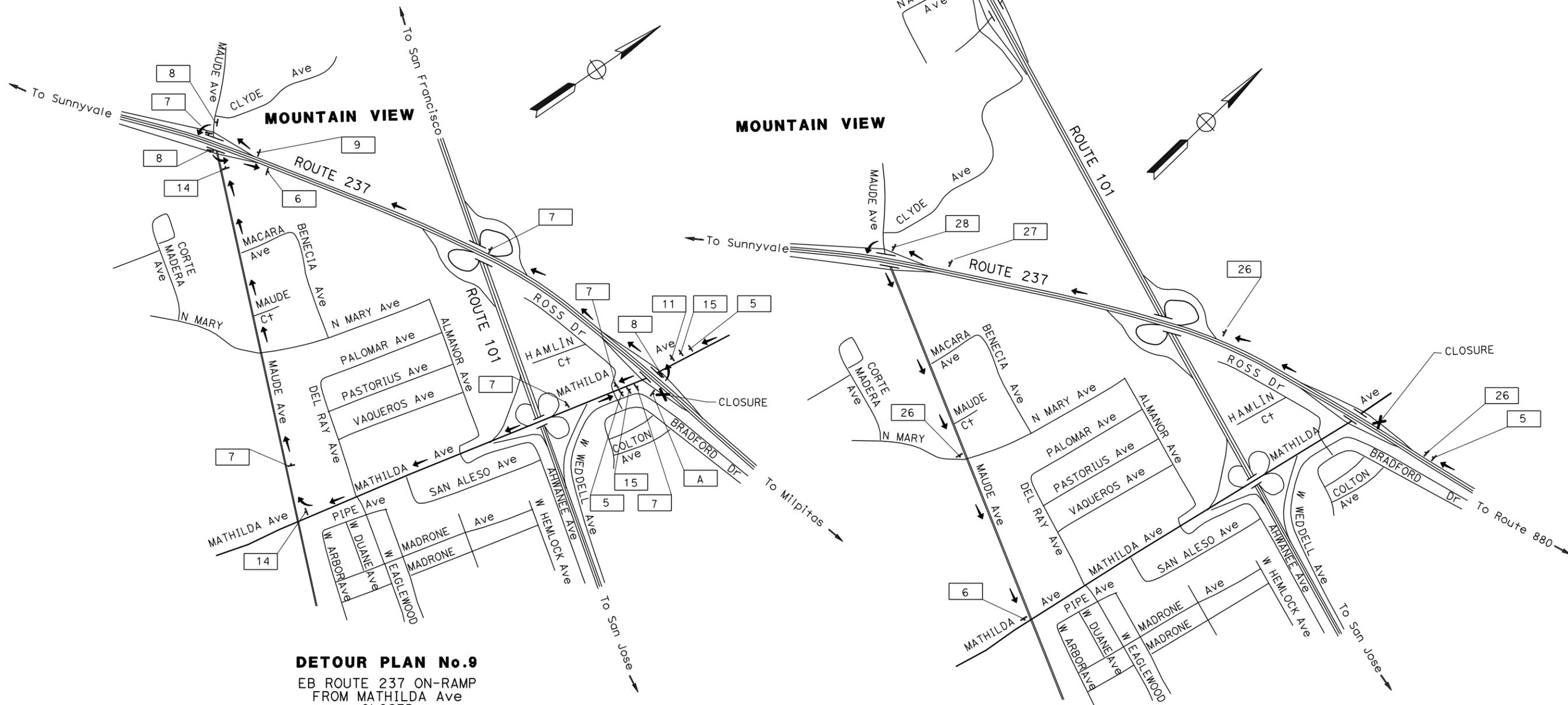
FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET CS-1

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	237	1.0/4.0	23	61

Jerilyn L. Struven 1/5/11
 REGISTERED CIVIL ENGINEER DATE
 1-10-11
 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.

REGISTERED PROFESSIONAL ENGINEER
 Jerilyn L. Struven
 No. 49964
 Exp. 2-31-12
 CIVIL
 STATE OF CALIFORNIA



DETOUR PLAN No.9
 EB ROUTE 237 ON-RAMP
 FROM MATHILDA Ave
 CLOSED

VIA:
 NB MATHILDA Ave;
 ON-RAMP TO WB ROUTE 237;
 WB ROUTE 237;
 OFF-RAMP TO MAUDE Ave/MIDDLEFIELD Rd
 SB MAUDE Ave;
 ON-RAMP TO EB ROUTE 237.

VIA:
 SB MATHILDA Ave;
 NB MAUDE Ave TO EB ON-RAMP
 TO EB ROUTE 237.

DETOUR PLAN No.10
 WB ROUTE 237 OFF-RAMP
 TO MATHILDA Ave
 CLOSED

VIA:
 WB ROUTE 237 TO OFF-RAMP
 TO MAUDE Ave;
 SB MAUDE Ave TO MATHILDA Ave.

CONSTRUCTION AREA SIGNS
 NO SCALE

CS-6

FOR NOTES, ABBREVIATIONS
 AND LEGEND, SEE SHEET CS-1

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY



UNIT 0976

PROJECT NUMBER & PHASE

04000020291

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 TRAFFIC
 JERYLIN L. STRUVEN
 FUNCTIONAL SUPERVISOR
 CHECKED BY
 JERILYN STRUVEN
 SHARI TALAI
 REVISOR
 HR
 12/27/10
 DATE REVISION

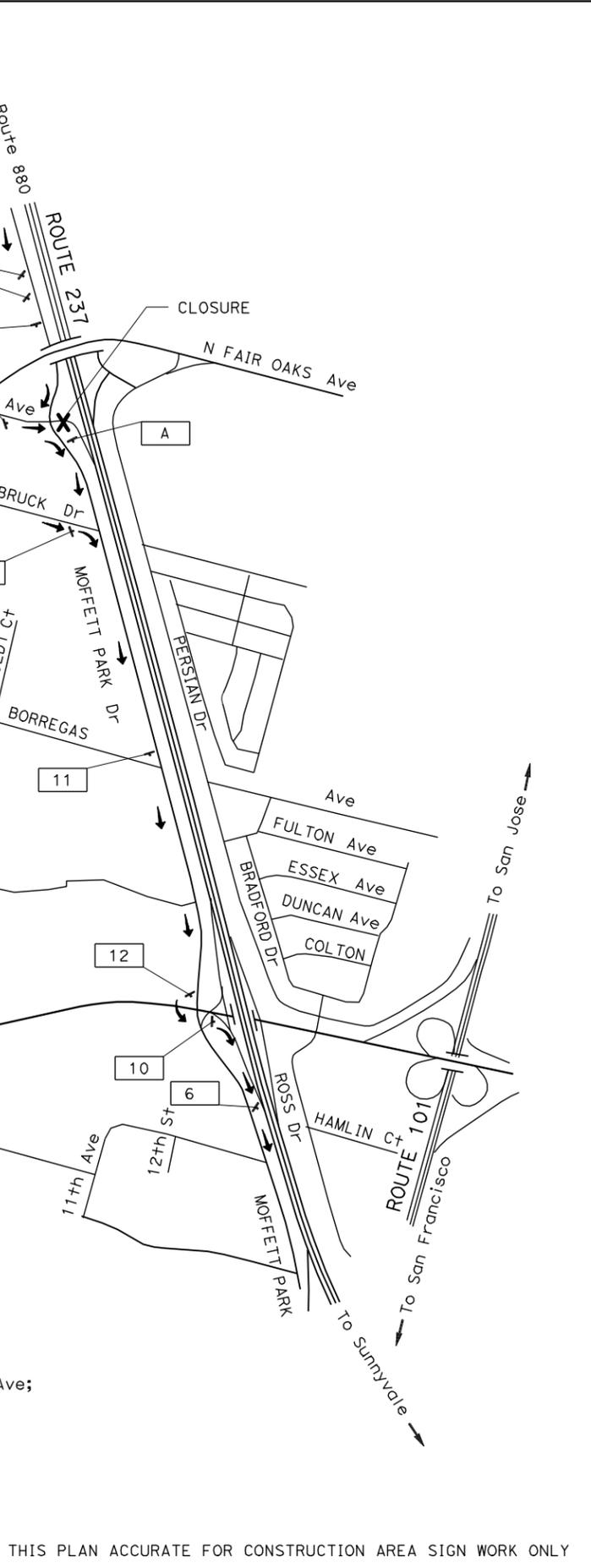
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC

FUNCTIONAL SUPERVISOR: ROLAND AU-YOUNG
 CHECKED BY: JERILYN STRUVEN
 DESIGNED BY: SHARI TALAI
 REVISIONS:
 12/27/10 HR

USERNAME => s131681
 DGN FILE => 04000020291a007.dgn

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET CS-1

DETOUR PLAN No. 11
 WB ROUTE 237 ON-RAMP FROM CROSSMAN/JAVA Dr CLOSED
 VIA:
 WB MOFFETT PARK Dr TO MATHILDA Ave;
 WB ON-RAMP TO ROUTE 237.



CONSTRUCTION AREA SIGNS
 NO SCALE
CS-7

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	237	1.0/4.0	24	61

REGISTERED CIVIL ENGINEER: Jerilyn L. Struven
 No. 49964
 Exp. 2-31-12
 DATE: 1/5/11
 PLANS APPROVAL DATE: 1-10-11

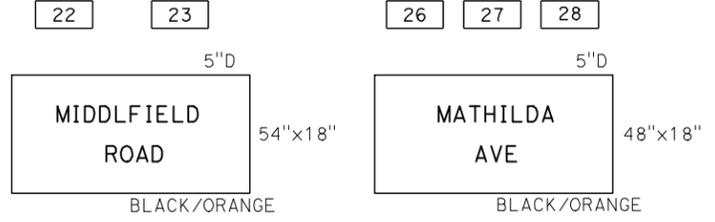
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

UNIT 0976
 PROJECT NUMBER & PHASE: 04000020291

DATE PLOTTED => 14-MAR-2011
 TIME PLOTTED => 10:58
 LAST REVISION: 12-28-10

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN No.	SIGN CODE		PANEL SIZE	SIGN MESSAGE	No. OF POSTS AND SIZE	No. OF SIGNS
	FEDERAL	CALIFORNIA				
1	W20-1		48" x 48"	ROAD WORK AHEAD	1 - 4" x 6"	7
2	G20-2		48" x 24"	END ROAD WORK	1 - 4" x 4"	7
3	W20-1		36" x 36"	ROAD WORK AHEAD	1 - 4" x 6"	6
4	G20-2		36" x 18"	END ROAD WORK	1 - 4" x 6"	5
5	W20-3		48" x 48"	RAMP CLOSED AHEAD	1 - 4" x 6"	15
6	M4-8a		30" x 18"	END DETOUR	1 - 4" x 4"	11
7	M4-8		21" x 9"	DETOUR	1 - 4" x 6"	11
		G28-2(237)	28" x 24"	ROUTE SHIELD		
	M3-2		21" x 9"	EAST		
8	M6-3		21" x 15"	↑	1 - 4" x 6"	6
	M4-8		21" x 9"	DETOUR		
		G28-2(237)	28" x 24"	ROUTE SHIELD		
9	M3-2		21" x 9"	EAST	1 - 4" x 6"	3
	M6-1		21" x 15"	←		
	M4-8		21" x 9"	DETOUR		
10		G28-2(237)	28" x 24"	ROUTE SHIELD	1 - 4" x 6"	12
	M3-4		21" x 9"	WEST		
	M6-1		21" x 15"	→		
11	M4-8		21" x 9"	DETOUR	1 - 4" x 6"	17
		G28-2(237)	28" x 24"	ROUTE SHIELD		
	M3-4		21" x 9"	WEST		
12	M6-3		21" x 15"	↑	1 - 4" x 6"	9
	M4-8		21" x 9"	DETOUR (LEFT)		
		G28-2(237)	28" x 24"	ROUTE SHIELD		
14	M3-4		21" x 9"	WEST	1 - 4" x 6"	8
	M6-1		21" x 15"	←		
	M4-8		21" x 9"	DETOUR		
15		G28-2(237)	28" x 24"	ROUTE SHIELD	1 - 4" x 6"	4
	W20-3		48" x 48"	RAMP CLOSED AHEAD		
	M3-4		21" x 9"	WEST		
16	M4-8		21" x 9"	DETOUR	1 - 4" x 6"	2
		G28-2(237)	28" x 24"	ROUTE SHIELD		
	M3-3		21" x 9"	SOUTH		
18	M6-3		21" x 15"	↑	1 - 4" x 6"	5
	M4-8		21" x 9"	DETOUR		
		G26-2(101)	28" x 18"	ROUTE SHIELD		
18	M3-1		21" x 9"	NORTH	1 - 4" x 6"	5
	M6-3		21" x 15"	↑		



SIGN DETAILS

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN No.	SIGN CODE		PANEL SIZE	SIGN MESSAGE	NO. OF POSTS AND SIZE	No. OF SIGNS
	FEDERAL	CALIFORNIA				
19	M4-8		21" x 9"	DETOUR	1 - 4" x 6"	6
		G26-2(101)	21" x 9"	ROUTE SHIELD		
	M3-1		21" x 9"	NORTH		
20	M6-2		21" x 15"	↗	1 - 4" x 4"	3
	M4-8		21" x 9"	DETOUR		
		G26-2(101)	28" x 24"	ROUTE SHIELD		
21	M3-1		21" x 9"	NORTH	1 - 4" x 6"	3
	M6-1		21" x 15"	←		
	M4-8		21" x 9"	DETOUR		
22		G26-2(101)	28" x 24"	ROUTE SHIELD	1 - 4" x 6"	4
	M3-1		21" x 9"	NORTH		
	M6-1		21" x 15"	→		
23	M4-8		21" x 9"	DETOUR	1 - 4" x 6"	2
		SG	54" x 18"	(SEE DETAILS)		
	M6-3		21" x 15"	↑		
24	M4-8		21" x 9"	DETOUR	1 - 4" x 6"	3
		SG	54" x 18"	(SEE DETAILS)		
	M6-1		21" x 15"	→		
25	W20-3		48" x 48"	RAMP CLOSED AHEAD	1 - 4" x 6"	2
		G28-2(101)	28" x 24"	ROUTE SHIELD		
	M3-2		21" x 15"	EAST		
26	W20-3		48" x 48"	RAMP CLOSED AHEAD	1 - 4" x 6"	3
		G28-2(237)	28" x 24"	ROUTE SHIELD		
	M3-4		21" x 9"	WEST		
27	M4-8		21" x 9"	DETOUR	1 - 4" x 6"	1
		SG	48" x 18"	(SEE DETAILS)		
	M6-2		21" x 15"	↗		
28	M4-8		21" x 9"	DETOUR	1 - 4" x 6"	1
		SG	48" x 18"	(SEE DETAILS)		
	M6-1		21" x 15"	←		
A		SC-6-4	48" x 60"	RAMP CLOSED AHEAD (DATES, TIME)		11

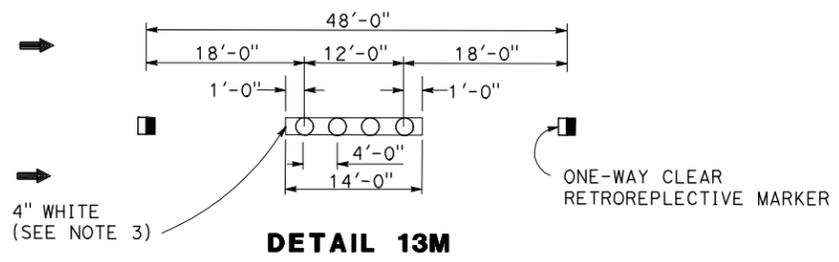
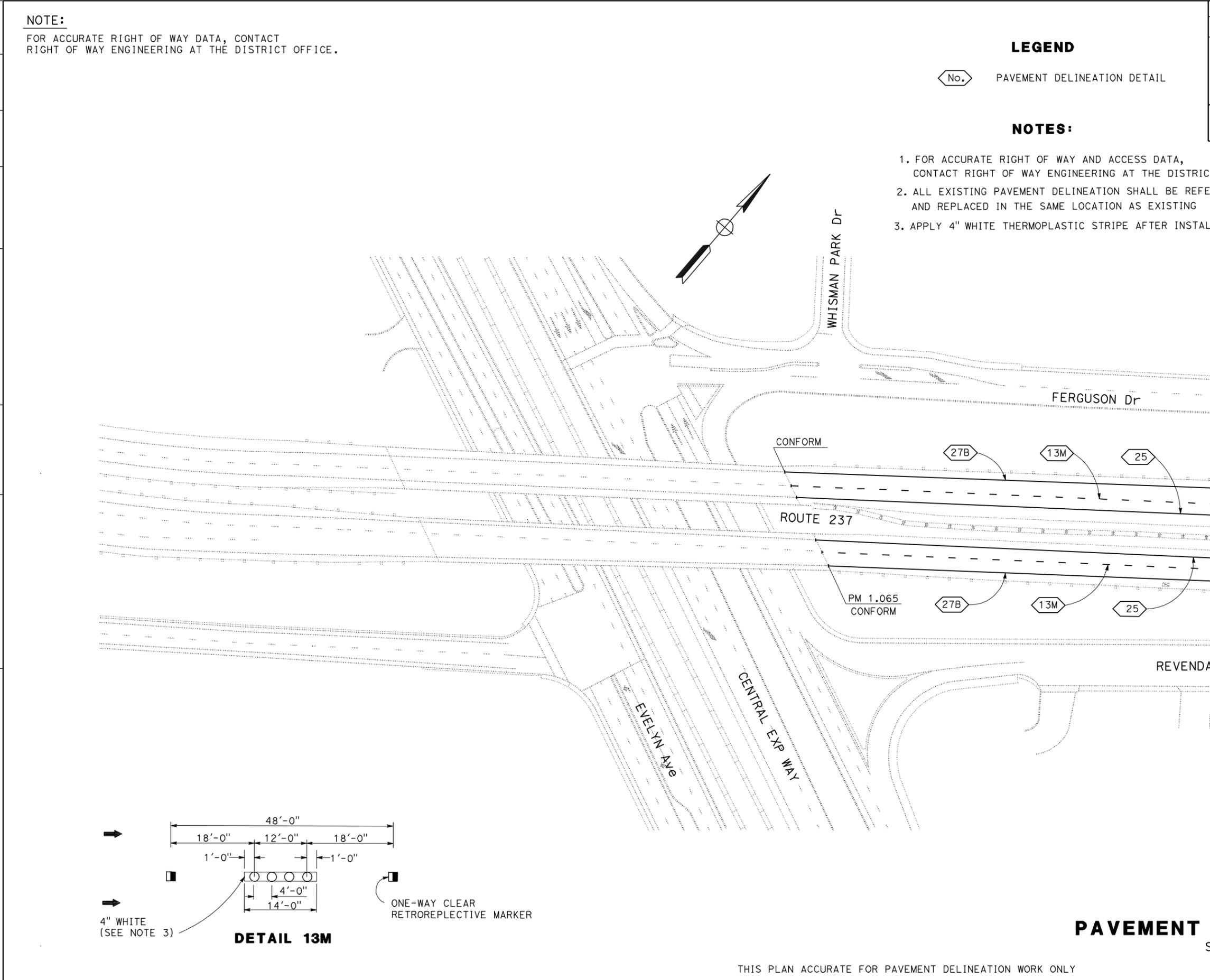
FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET CS-1

CONSTRUCTION AREA SIGNS
 NO SCALE

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

DATE PLOTTED => 14-MAR-2011
 TIME PLOTTED => 10:58
 LAST REVISION 12-29-10

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN



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

LEGEND

(No.) PAVEMENT DELINEATION DETAIL

NOTES:

1. FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. ALL EXISTING PAVEMENT DELINEATION SHALL BE REFERENCED AND REPLACED IN THE SAME LOCATION AS EXISTING
3. APPLY 4" WHITE THERMOPLASTIC STRIPE AFTER INSTALLING PAVEMENT MARKERS.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	237	1.0/4.0	26	61

REGISTERED CIVIL ENGINEER: Md Mustaqur Rahman
 No. 75824
 Exp 6-30-12
 CIVIL
 STATE OF CALIFORNIA

1/6/11 DATE
 1-10-11 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.

PAVEMENT DELINEATION PLAN

SCALE: 1" = 50'

PD-1

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY



SEE SHEET PD-2

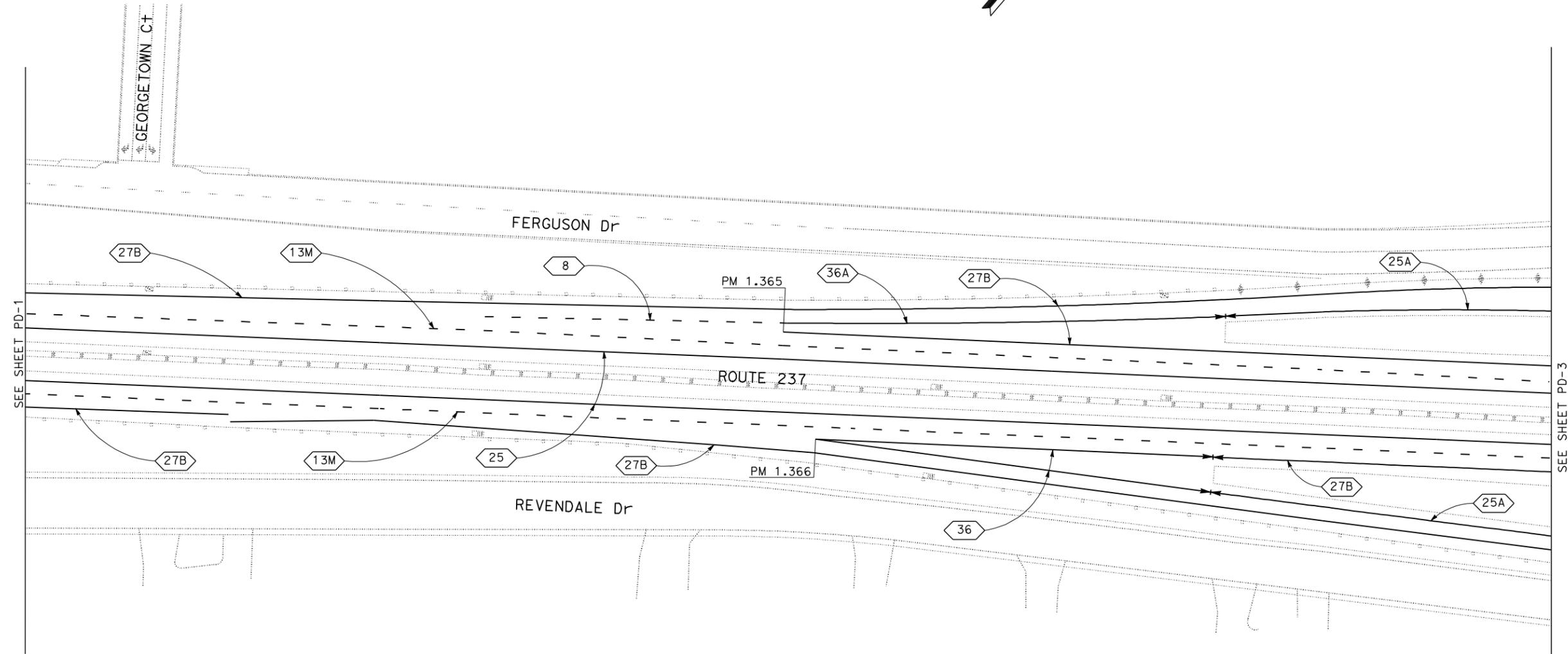
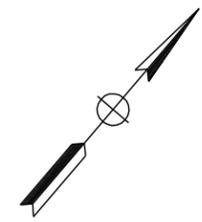
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	237	1.0/4.0	27	61

<i>Md Rahman</i>	1/6/11
REGISTERED CIVIL ENGINEER	DATE
1-10-11	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
Md Mustaqur Rahman
No. 75824
Exp 6-30-12
CIVIL
STATE OF CALIFORNIA

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

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



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
St. Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: RONNIE CHUA
CALCULATED-DESIGNED BY: CHECKED BY:
MD. MUSTAQUR RAHMAN
REVISOR: RONNIE CHUA
MMR
12/30/10

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET PD-1

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY



PAVEMENT DELINEATION PLAN
SCALE: 1" = 50'

PD-2

LAST REVISION 12-28-10 DATE PLOTTED => 14-MAR-2011 TIME PLOTTED => 10:58

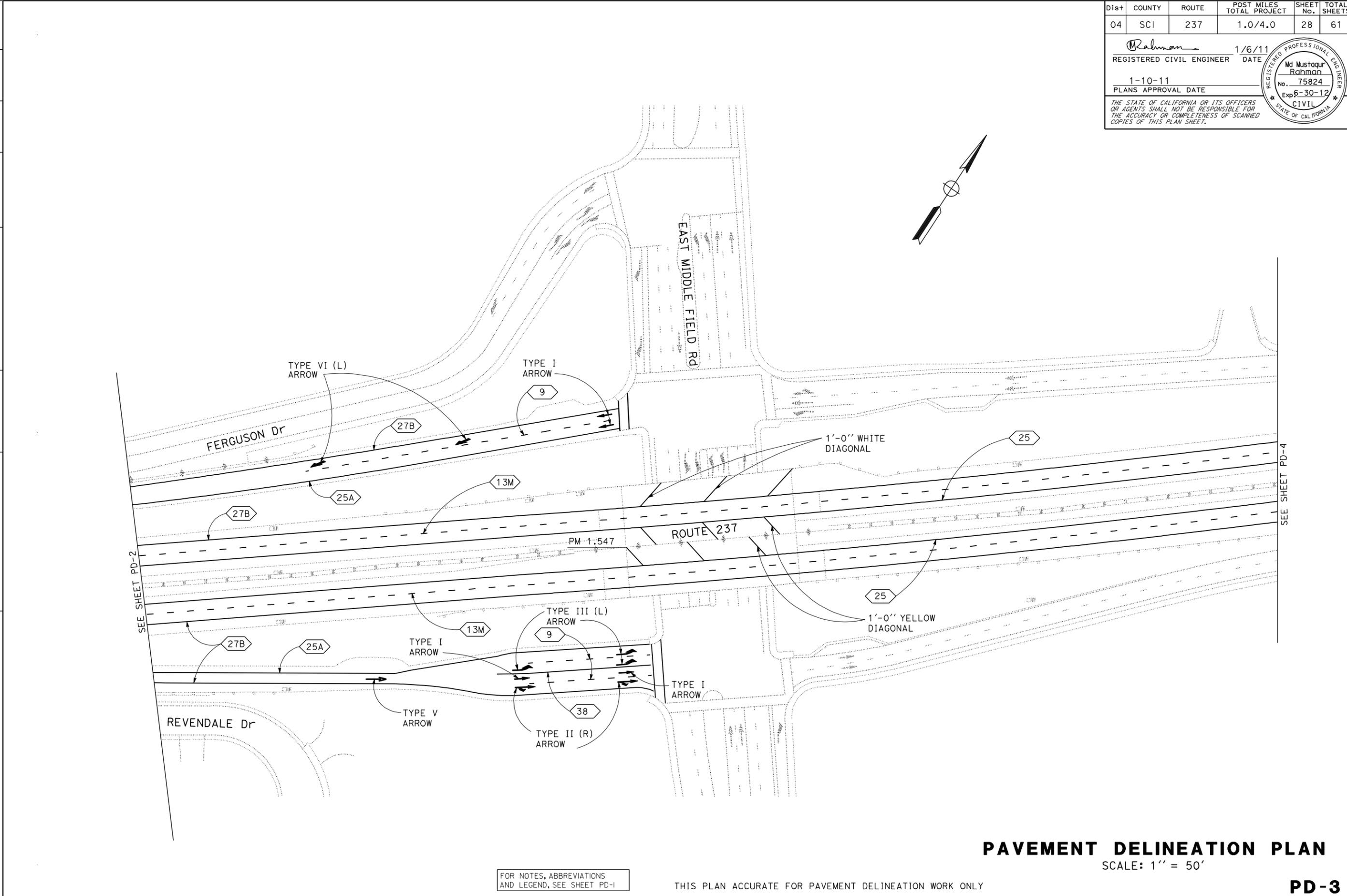
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR
 RONNIE CHUA

CALCULATED-DESIGNED BY
 CHECKED BY

MD. MUSTAQR RAHMAN
 RONNIE CHUA

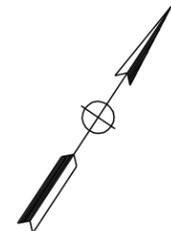
REVISOR
 DATE
 REVISION



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	237	1.0/4.0	28	61

1/6/11
 REGISTERED CIVIL ENGINEER DATE
 Md Mustaqur Rahman
 No. 75824
 Exp 6-30-12
 CIVIL
 STATE OF CALIFORNIA

1-10-11
 PLANS APPROVAL DATE
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FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET PD-1

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY



UNIT 0976

PROJECT NUMBER & PHASE

04000020291

PAVEMENT DELINEATION PLAN

SCALE: 1" = 50'

PD-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
St. Cattrans
DESIGN

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 RONNIE CHUA

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 RONNIE CHUA

DESIGNED BY
 MD. MUSTAQUR RAHMAN

REVISOR
 MMR

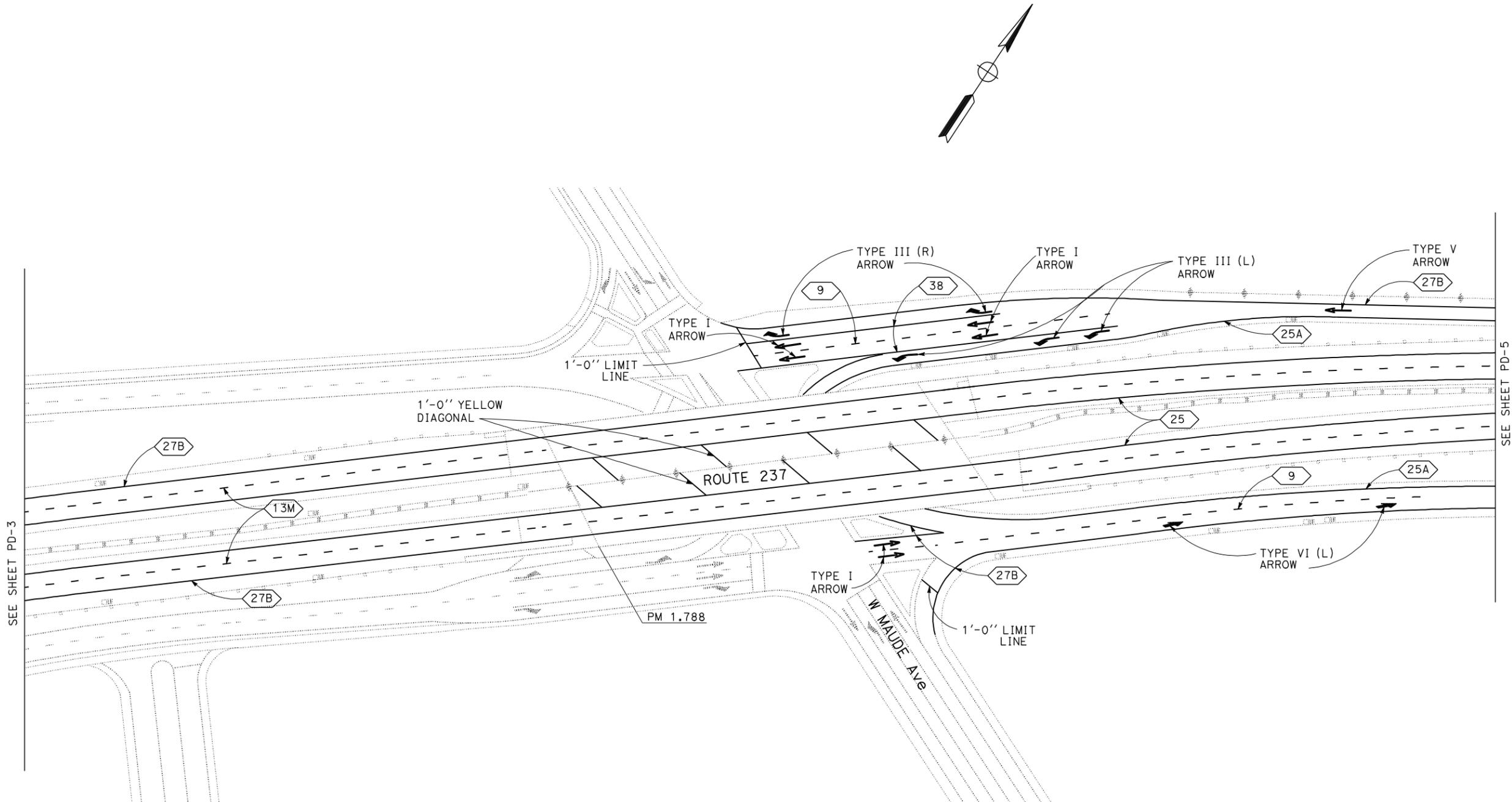
DATE REVISION
 12/30/10

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	237	1.0/4.0	29	61

1/6/11
 REGISTERED CIVIL ENGINEER DATE
 Md Mustaqur Rahman
 No. 75824
 Exp 6-30-12
 CIVIL
 STATE OF CALIFORNIA

1-10-11
 PLANS APPROVAL DATE

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SEE SHEET PD-3

SEE SHEET PD-5

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET PD-1

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY

PAVEMENT DELINEATION PLAN
 SCALE: 1" = 50'

PD-4



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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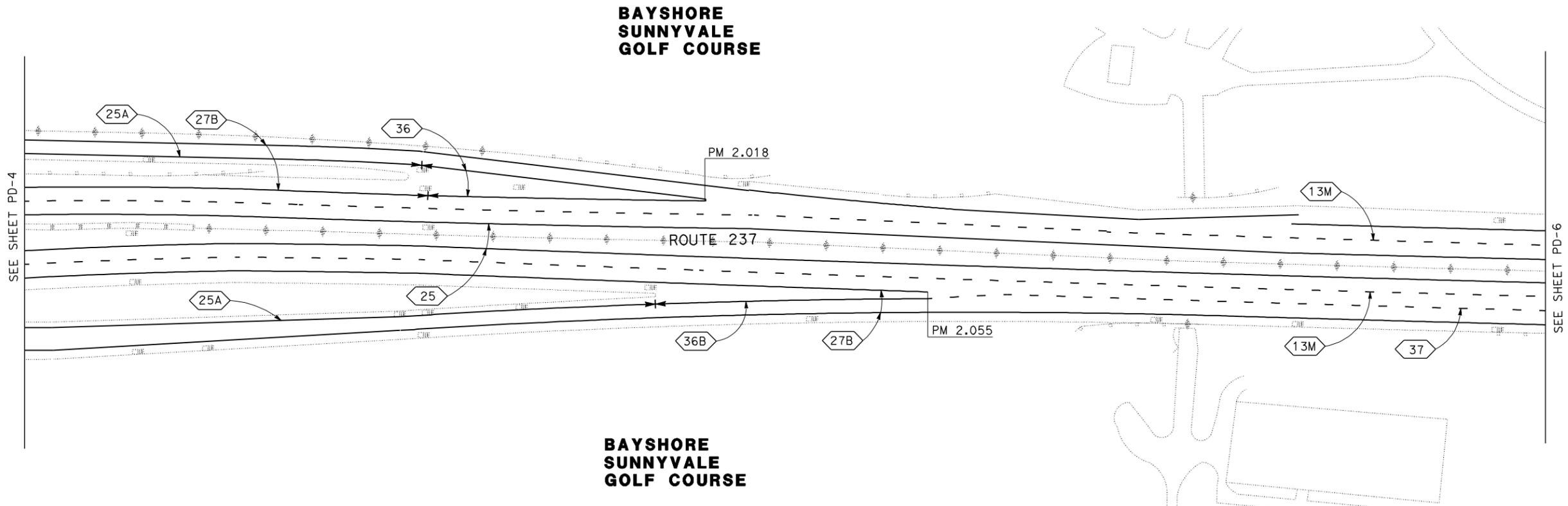
REVISOR
 MMR
 DATE
 12/30/10

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	237	1.0/4.0	30	61

Md Mustaqur Rahman
 REGISTERED CIVIL ENGINEER
 No. 75824
 Exp 6-30-12
 CIVIL
 STATE OF CALIFORNIA

1/6/11
 DATE
 1-10-11
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FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET PD-1

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PAVEMENT DELINEATION PLAN
 SCALE: 1" = 50'

PD-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
St. Cattrans
DESIGN

FUNCTIONAL SUPERVISOR
 RONNIE CHUA

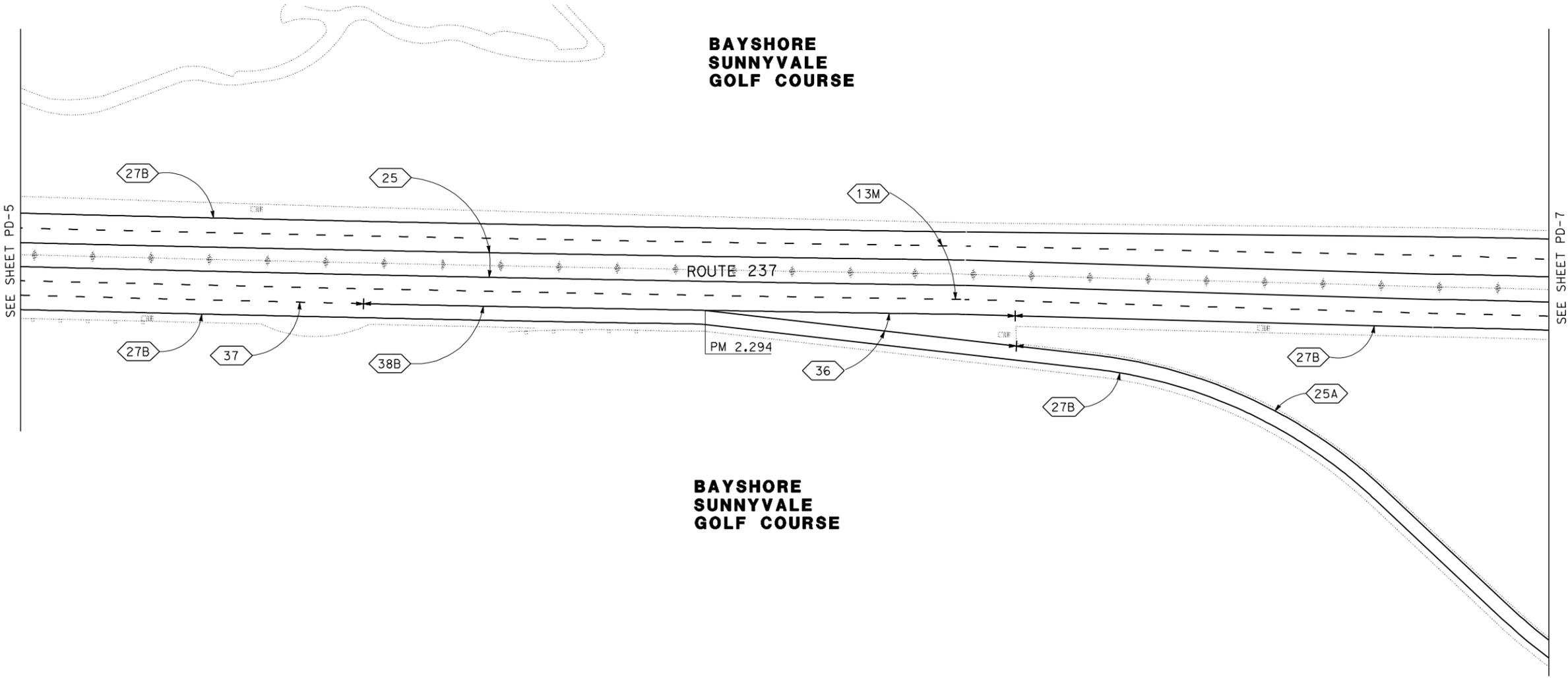
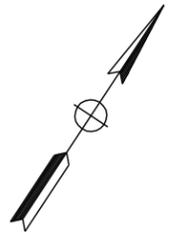
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 MD. MUSTAQUR RAHMAN
 RONNIE CHUA

REVISOR
 MMR
 DATE
 12/30/10

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	237	1.0/4.0	31	61

Md Mustaqur Rahman
 REGISTERED CIVIL ENGINEER DATE 1/6/11
 1-10-11
 PLANS APPROVAL DATE
 No. 75824
 Exp 6-30-12
 CIVIL
 STATE OF CALIFORNIA

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FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET PD-1

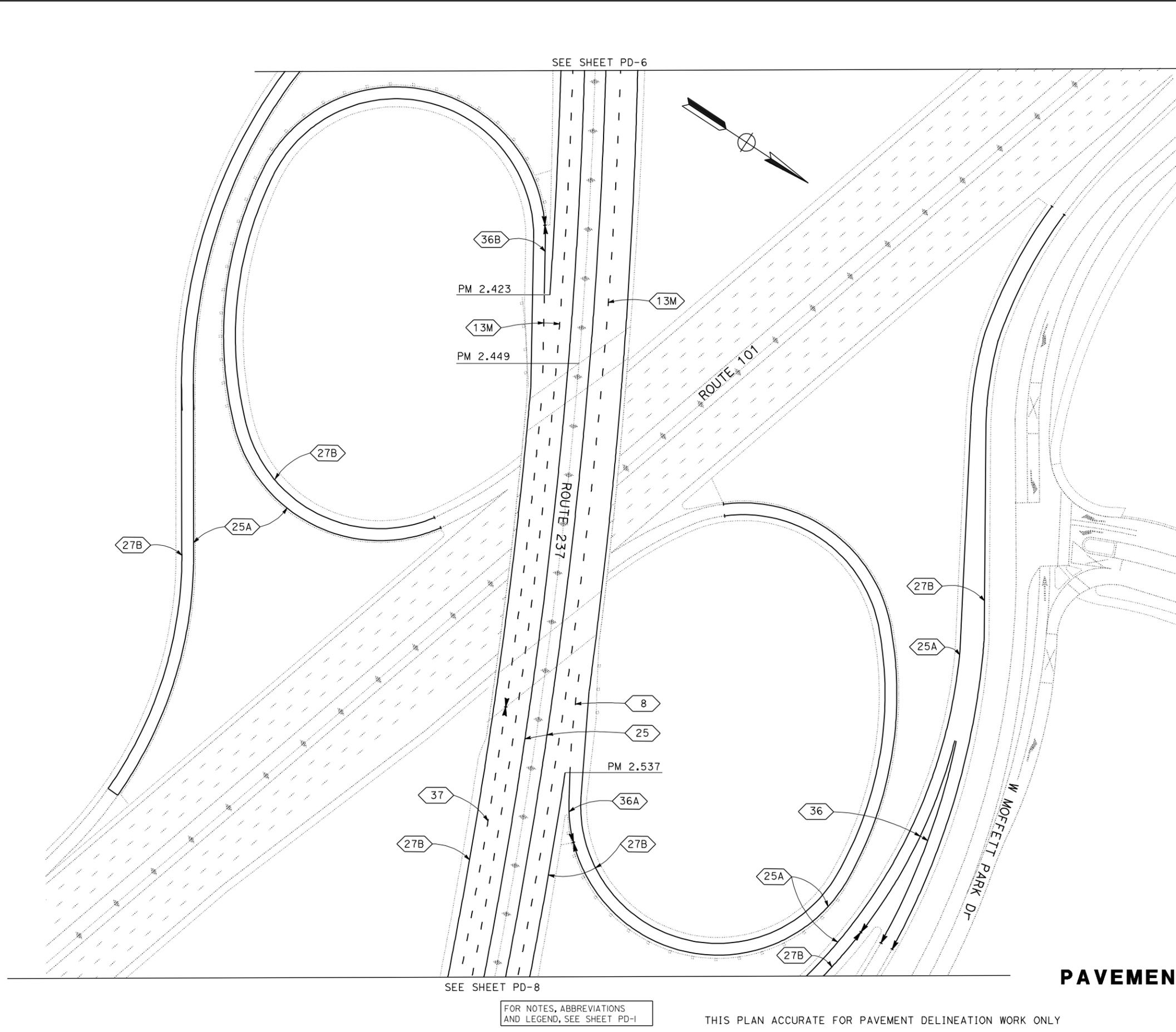
THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY

PAVEMENT DELINEATION PLAN
 SCALE: 1" = 50'

PD-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
St. Catrans
DESIGN

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 CALCULATED-DESIGNED BY: MMR
 REVISIONS: 12/30/10
 DATE REVISED: 12/30/10



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	237	1.0/4.0	32	61

1/6/11
 REGISTERED CIVIL ENGINEER DATE
 Md Mustaqur Rahman
 No. 75824
 Exp 6-30-12
 CIVIL
 STATE OF CALIFORNIA

1-10-11
 PLANS APPROVAL DATE
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SEE SHEET PD-8

SEE SHEET PD-6

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET PD-1

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY

PAVEMENT DELINEATION PLAN
 SCALE: 1" = 50'

PD-7

LAST REVISION DATE PLOTTED => 14-MAR-2011 12-28-10 TIME PLOTTED => 11:00

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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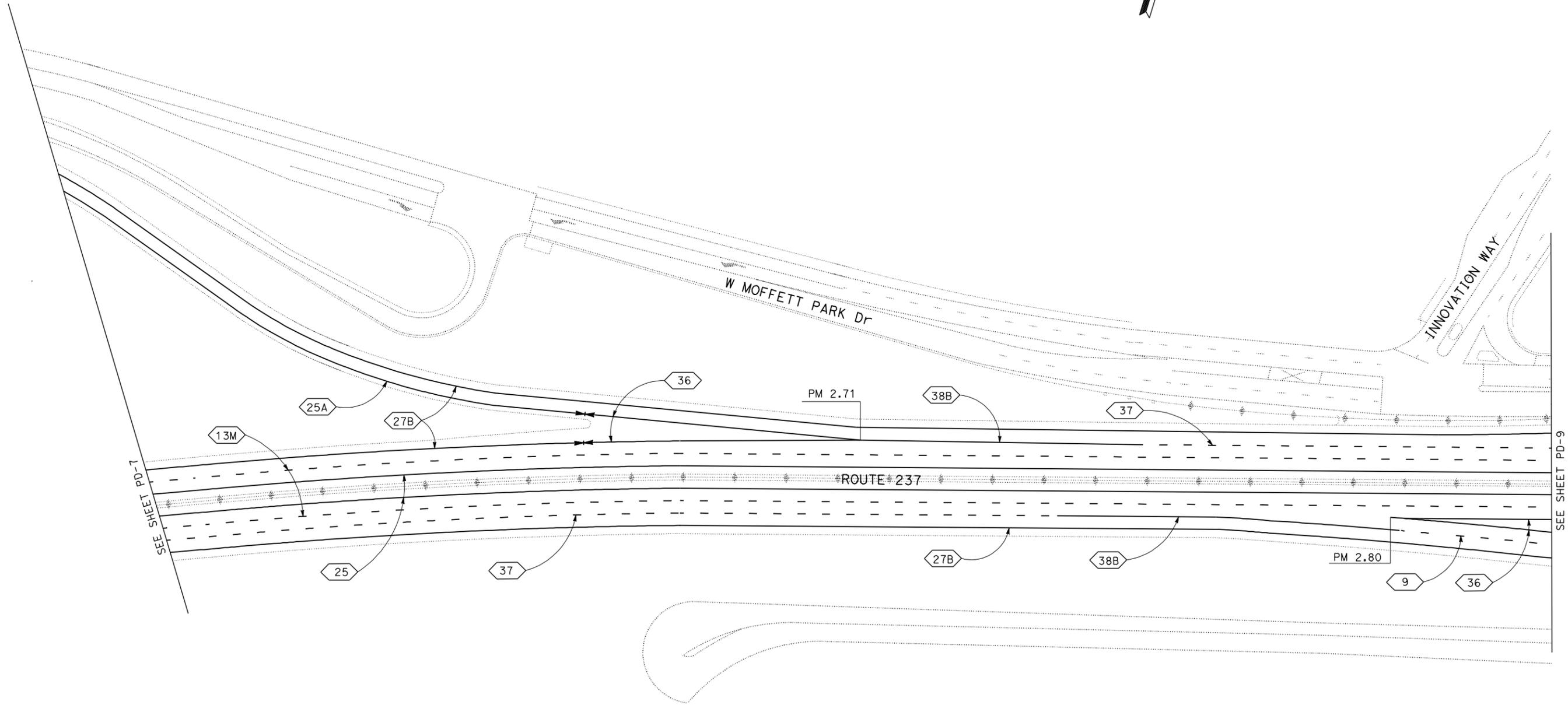
REVISOR
 MMR
 DATE
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	237	1.0/4.0	33	61

1/6/11
 REGISTERED CIVIL ENGINEER DATE
 1-10-11
 PLANS APPROVAL DATE

Md Mustoqur Rahman
 No. 75824
 Exp 6-30-12
 CIVIL
 STATE OF CALIFORNIA

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SEE SHEET PD-7

SEE SHEET PD-9

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET PD-1

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY

PAVEMENT DELINEATION PLAN
 SCALE: 1" = 50'

PD-8



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Caltrans
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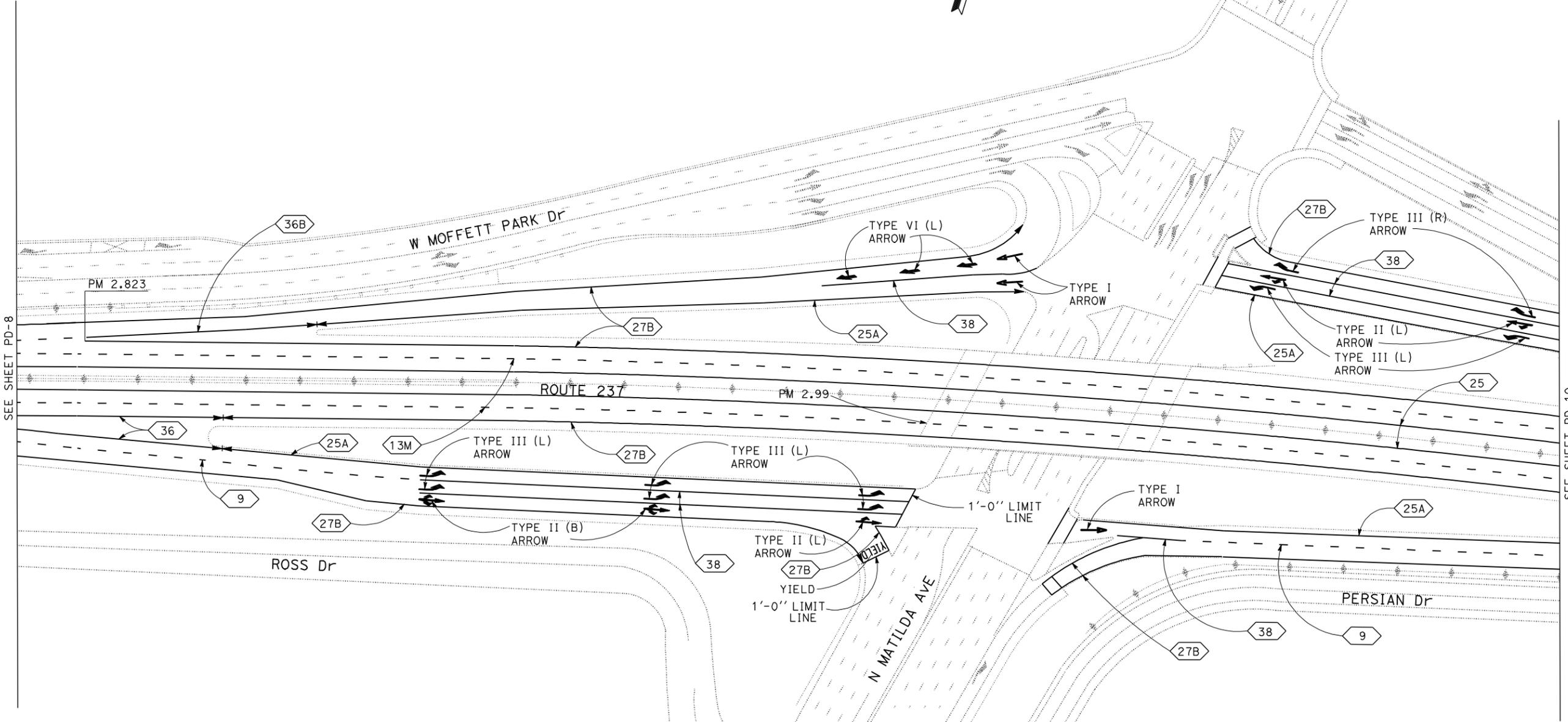
DATE REVISION
 12/30/10

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	237	1.0/4.0	34	61

1/6/11
 REGISTERED CIVIL ENGINEER DATE
 1-10-11
 PLANS APPROVAL DATE

Md Mustaqur Rahman
 No. 75824
 Exp 6-30-12
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FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET PD-1

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY

PAVEMENT DELINEATION PLAN
 SCALE: 1" = 50'

PD-9



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
St. Cattrans
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 RONNIE CHUA

MD. MUSTAQUR RAHMAN
 RONNIE CHUA

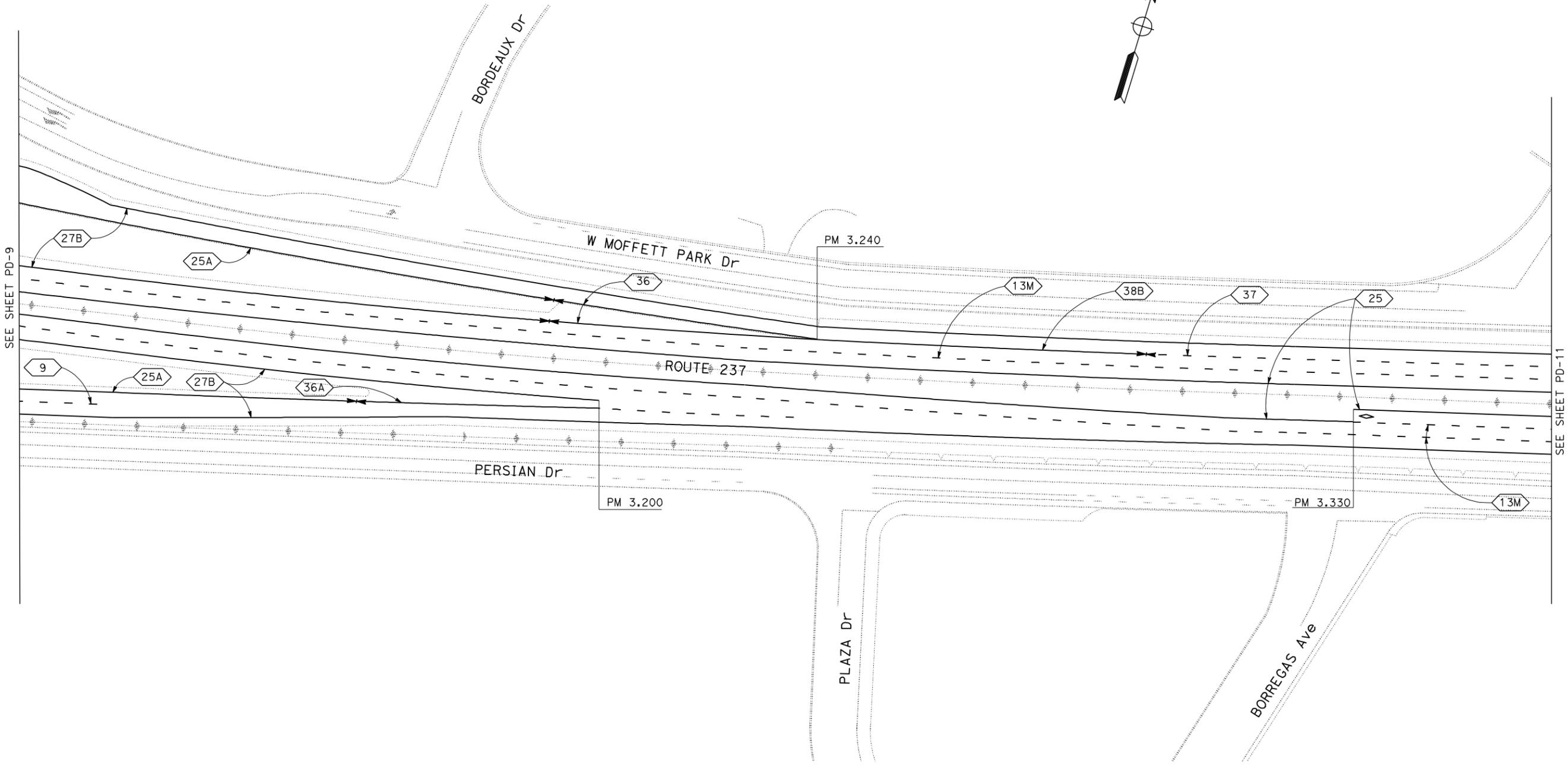
REVISOR BY
 DATE REVISOR

MMR
 12/30/10

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	237	1.0/4.0	35	61

1/6/11
 REGISTERED CIVIL ENGINEER DATE
 Md Mustaqur Rahman
 No. 75824
 Exp 6-30-12
 CIVIL
 STATE OF CALIFORNIA

1-10-11
 PLANS APPROVAL DATE
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SEE SHEET PD-9

SEE SHEET PD-11

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET PD-1

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY

PAVEMENT DELINEATION PLAN
 SCALE: 1" = 50'

PD-10



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St. Cattrans
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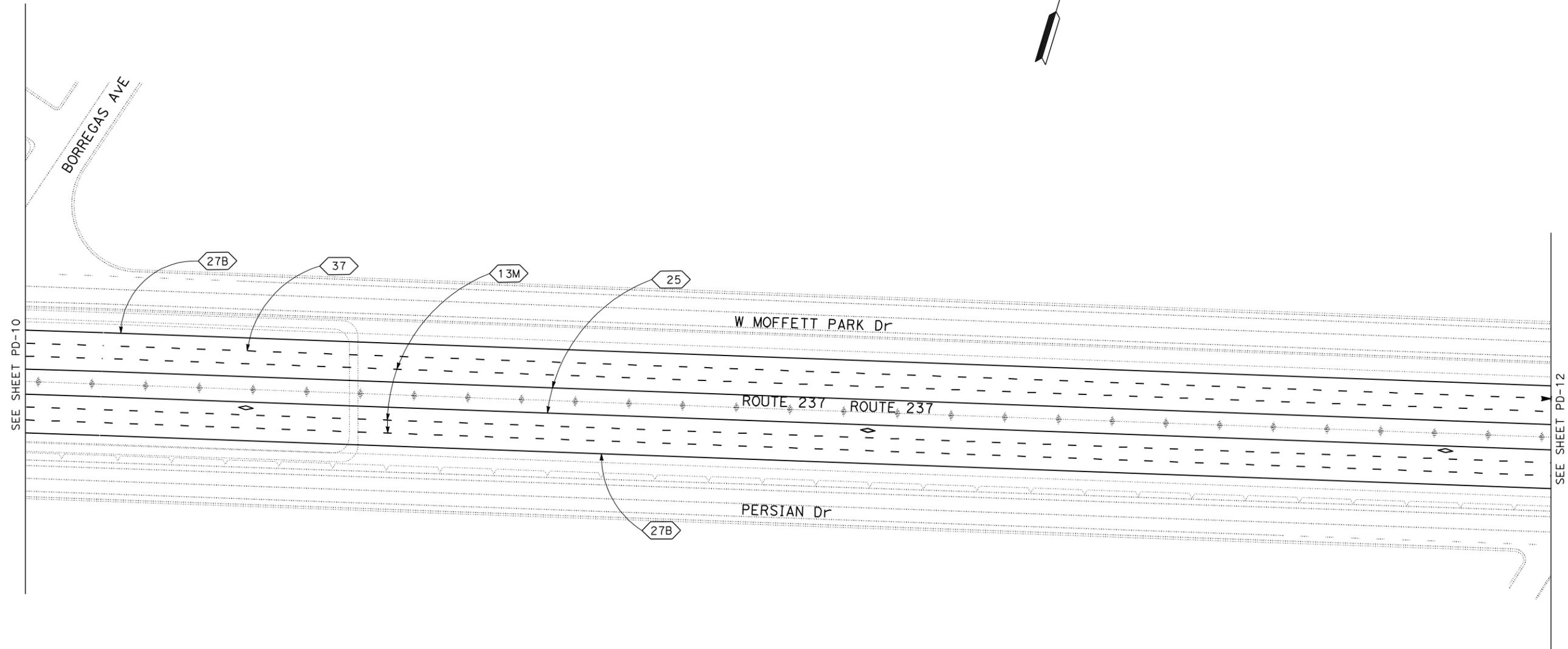
FUNCTIONAL SUPERVISOR: RONNIE CHUA
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 CALCULATED-DESIGNED BY: M.D. MUSTAQUR RAHMAN
 REVISOR: MMR
 DATE REVISOR: 12/30/10

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	237	1.0/4.0	36	61

REGISTERED CIVIL ENGINEER: Md Mustaqur Rahman
 No. 75824
 Exp 6-30-12
 CIVIL
 STATE OF CALIFORNIA

1/6/11 DATE
 1-10-11 PLANS APPROVAL DATE

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SEE SHEET PD-10

SEE SHEET PD-12

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET PD-1

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY

PAVEMENT DELINEATION PLAN
 SCALE: 1" = 50'

PD-11

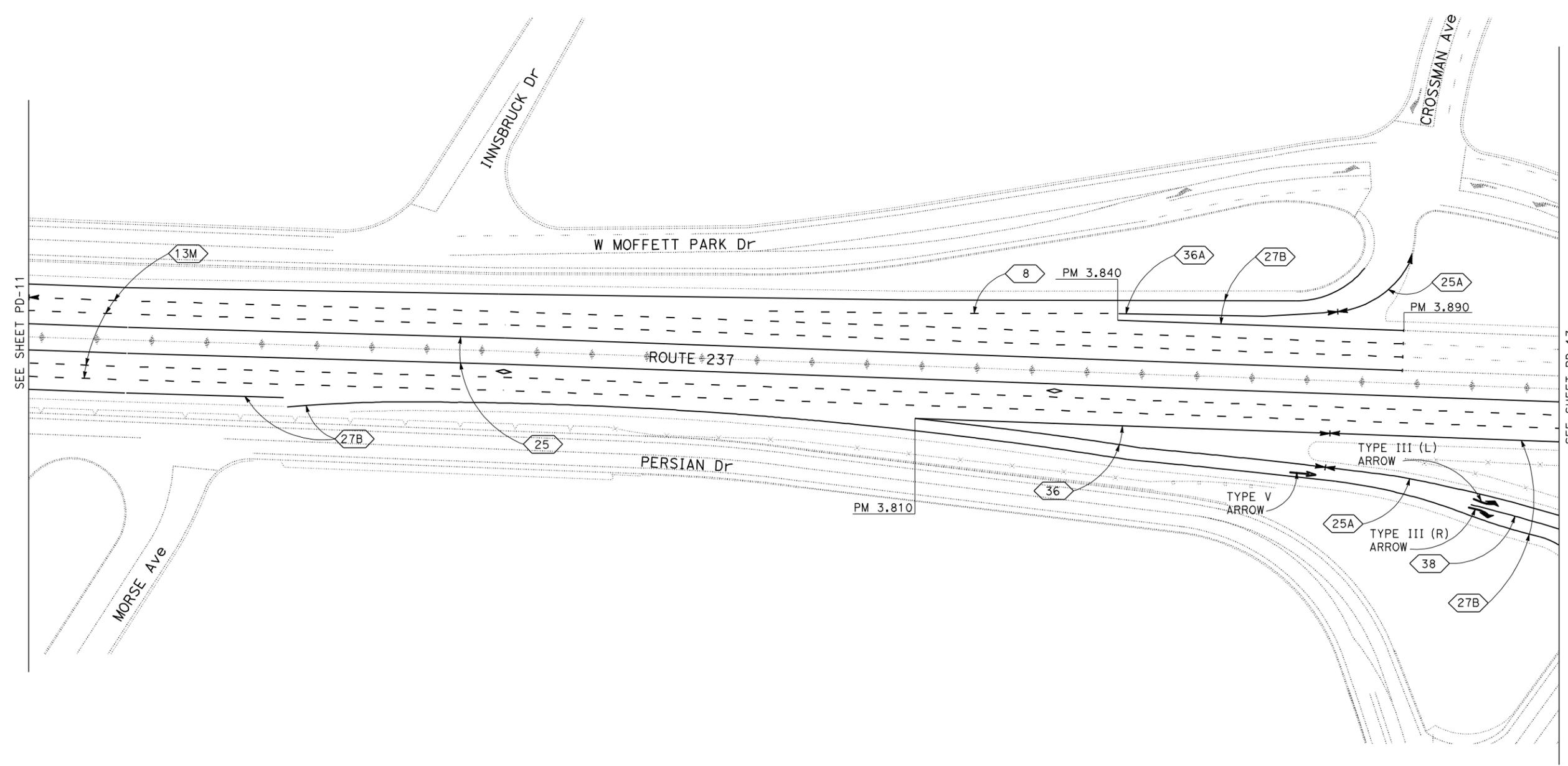
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St. Cattrans
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FUNCTIONAL SUPERVISOR: RONNIE CHUA
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 REVISOR: MMR
 DATE REVISOR: 12/30/10

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	237	1.0/4.0	37	61

Rahman
 REGISTERED CIVIL ENGINEER DATE 1/6/11
 1-10-11
 PLANS APPROVAL DATE
 Md Mustaqur Rahman
 No. 75824
 Exp 6-30-12
 CIVIL
 STATE OF CALIFORNIA

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PAVEMENT DELINEATION PLAN
 SCALE: 1" = 50'

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET PD-1

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY

PD-12

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

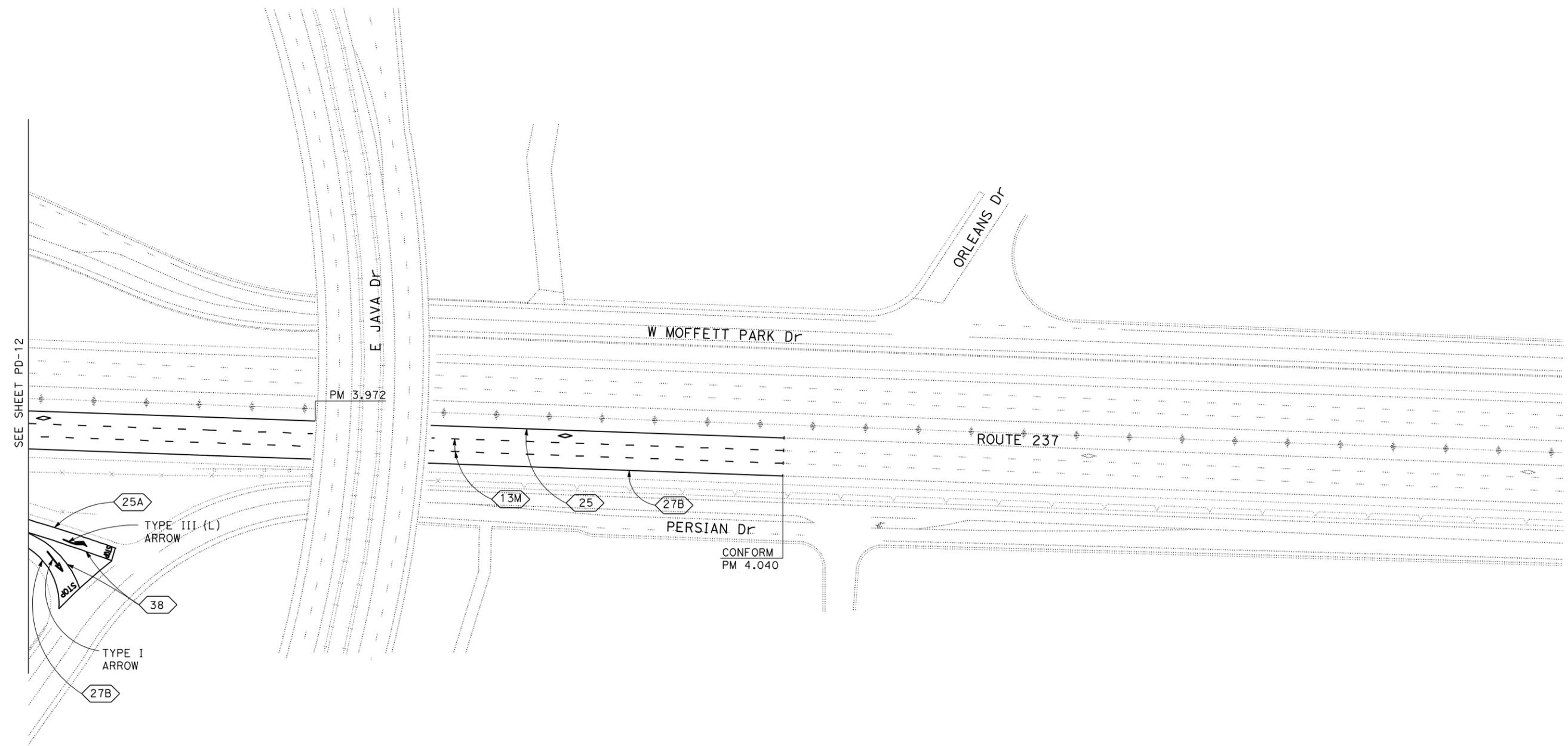
FUNCTIONAL SUPERVISOR RONNIE CHUA	CHECKED BY RONNIE CHUA	DESIGNED BY MD. MUSTAQUR RAHMAN	REVISOR MMR
			DATE REVISION 12/30/10

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	237	1.0/4.0	38	61

1/6/11
 REGISTERED CIVIL ENGINEER DATE
 Md Mustaqur Rahman
 No. 75824
 Exp 6-30-12
 CIVIL
 STATE OF CALIFORNIA

1-10-11
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FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET PD-1

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY

PAVEMENT DELINEATION PLAN
 SCALE: 1" = 50'

PD-13



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	237	1.0/4.0	39	61

Rahman 1/6/11
 REGISTERED CIVIL ENGINEER DATE
 1-10-11
 PLANS APPROVAL DATE

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TRAFFIC STRIPES, PAVEMENT MARKINGS AND PAVEMENT MARKERS (MAINLINE)

POST MILE	DIRECTION	DETAIL No. OR PAVEMENT MARKING	THERMOPLASTIC TRAFFIC STRIPE						PAVEMENT MARKER				THERMOPLASTIC PAVEMENT MARKING		REMOVE PAVEMENT MARKER
			4" YELLOW	4" WHITE	4" WHITE (BROKEN 34-14)	4" WHITE (BROKEN 17-7)	8" WHITE	8" WHITE (BROKEN 12-3)	NON-REFLECTIVE	RETROREFLECTIVE			YELLOW	WHITE	
									TYPE A	TYPE C	TYPE G	TYPE H			
1.07 TO 4.05	EB	13M			15761					1317		329			1647
		25	15761									329			329
1.07 TO 3.89	WB	13M			14916					1247		312			1559
		25	14916									312		24	312
1.07 TO 1.37	WB	27B		1584											
1.07 TO 1.37	EB	27B		1589											
1.37 TO 1.96	WB	27B		3128											
1.37 TO 1.43	EB	36					350				16				16
1.43 TO 2.06	EB	27B		3288											
1.55	EB (INSIDE SHOULDER)	1'-0" DIAGONAL MARKING											90		
	WB (INSIDE SHOULDER)	1'-0" DIAGONAL MARKING											150		
	WB (OUTSIDE SHOULDER)	1'-0" DIAGONAL MARKING												90	
1.79	EB (INSIDE SHOULDER)	1'-0" DIAGONAL MARKING											120		
	WB (INSIDE SHOULDER)	1'-0" DIAGONAL MARKING											120		
1.97 TO 2.02	WB	36					245				11				11
1.97 TO 2.54	WB	27B		2985											
2.06 TO 2.24	EB	37						962		66					66
2.06 TO 2.29	EB	27B		1262											
2.24 TO 2.29	EB	38B					300				27				27
2.29 TO 2.34	EB	36					220				10				10
2.34 TO 2.42	EB	27B		461											
2.42 TO 2.48	EB	13M			325				31		8				39
2.42 TO 2.80	EB	27B		1991											
2.48 TO 2.74	EB	37						1328		91					91
2.54 TO 2.66	WB	27B		640											
2.66 TO 2.71	WB	36					260				12				12
2.66 TO 2.84	WB	27B		950											
2.71 TO 2.76	WB	38B					285				26				26
2.76 TO 2.84	WB	37						405		29					29
2.74 TO 2.80	EB	38B					338				30				30
2.80 TO 2.85	EB	36					280				13				13
2.82 TO 3.19	WB	27B		1950											
2.85 TO 3.19	EB	27B		1800											
3.19 TO 3.24	WB	36					260				12				12
3.20 TO 3.81	EB	27B		3221											
3.24 TO 3.87	WB	27B		3310											
3.24 TO 3.30	WB	38B					310				28				28
3.30 TO 3.64	WB	37						1810		123					123
3.33 TO 4.05	EB	13M			3802				321		80				401
3.64 TO 3.89	WB	13M			1312				113		28				142
3.81 TO 3.88	EB	36					360				16				16
3.84 TO 3.891	WB	27B		245											
3.88 TO 4.05	EB	27B		897											
3.33 TO 4.05	EB	◇											88		
SHEET TOTAL			30677	29301	36115		3208	4505	3030	308	957	641	480	202	4939

PAVEMENT DELINEATION QUANTITIES

PDQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
St. Caltrans
 DESIGN
 FUNCTIONAL SUPERVISOR: RONNIE CHUA
 CHECKED BY: RONNIE CHUA
 CALCULATED-DESIGNED BY: MD. MUSTAQUR RAHMAN
 REVISIONS: MMR 12/30/10
 DATE REVISION: 12/30/10

12-28-10 DATE PLOTTED => 14-MAR-2011
 12-28-10 TIME PLOTTED => 11:01

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	237	1.0/4.0	40	61

Rahman 1/6/11
 REGISTERED CIVIL ENGINEER DATE
 Md Mustaqur Rahman
 No. 75824
 Exp 6-30-12
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TRAFFIC STRIPES, PAVEMENT MARKINGS AND PAVEMENT MARKERS (RAMPS)

LOCATION OF RAMP (PM)	DIRECTION	DESCRIPTION	DETAIL No. OR PAVEMENT MARKING	THERMOPLASTIC TRAFFIC STRIPE						PAVEMENT MARKER		THERMOPLASTIC PAVEMENT MARKING		REMOVE PAVEMENT MARKER			
				4" YELLOW	4" WHITE	4" WHITE (BROKEN 34-14)	4" WHITE (BROKEN 17-7)	8" WHITE	8" WHITE (BROKEN 12-3)	NON-REFLECTIVE	RETROREFLECTIVE	YELLOW	WHITE				
										TYPE A	TYPE EA				TYPE G	TYPE H	SQFT
1.365	WB	WB ON-RAMP FROM MIDDLEFIELD Rd/ MAUDE Ave	9												9		
			25A	870												37	
			27B		1255												
			36A														
			8				280									17	
			2 No. TYPE I ARROW														62
			2 No. TYPE VI (L) ARROW														84
														80			
1.366	EB	EB OFF-RAMP TO MIDDLEFIELD Rd/ MAUDE Ave	25A	885											38		
			27B		1245												
			36														
			9				290									16	
			38													7	
			1 No. TYPE V ARROW													9	
			2 No. TYPE I ARROW														33
			2 No. TYPE II (R) ARROW														62
			3 No. TYPE III (L) ARROW														90
																	126
2.018	WB	WB OFF-RAMP TO MAUDE Ave/ MIDDLEFIELD Rd	25A	980											42		
			27B		1275												
			36														
			9				335									11	
			38													8	
			1 No. TYPE V ARROW													28	
			4 No. TYPE I ARROW														33
			2 No. TYPE III (R) ARROW														124
			2 No. TYPE III (L) ARROW														84
																	84
2.055	EB	EB ON-RAMP FROM MAUDE Ave/ MIDDLEFIELD Rd	25A	1225											52		
			27B		1630												
			36B														
			9				520									13	
			2 No. TYPE I ARROW													12	
			2 No. TYPE III (L) ARROW														62
																	84
2.294	EB	EB OFF-RAMP TO SB ROUTE 101	25A	1370											58		
			27B		1630												
			36														
2.423	EB	EB ON-RAMP FROM SB ROUTE 101	25A	930											40		
			27B		950												
			36B														
2.537	WB	WB ON-RAMP FROM NB ROUTE 101	25A	900											39		
			27B		900												
			36A														
			8				120									4	
2.71	WB	WB OFF-RAMP TO NB ROUTE 101	25A	1515											64		
			27B		1755												
			36A														
SHEET TOTAL				8675	10640			1920	3125				176	369	1258	546	

PAVEMENT DELINEATION QUANTITIES PDQ-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN
 FUNCTIONAL SUPERVISOR
 RONNIE CHUA
 CHECKED BY
 MMR
 DATE REVISOR
 12/30/10

LAST REVISION
 12-28-10
 DATE PLOTTED => 14-MAR-2011
 TIME PLOTTED => 11:01

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
St. Caltrans
 DESIGN

LOCATION OF RAMP (PM)	DIRECTION	DESCRIPTION	DETAIL No. OR PAVEMENT MARKING	THERMOPLASTIC TRAFFIC STRIPE						PAVEMENT MARKER				THERMOPLASTIC PAVEMENT MARKING		REMOVE PAVEMENT MARKER					
				4" YELLOW	4" WHITE	4" WHITE (BROKEN 34-14)	4" WHITE (BROKEN 17-7)	8" WHITE	8" WHITE (BROKEN 12-3)	NON-REFLECTIVE		RETROREFLECTIVE		YELLOW	WHITE						
										TYPE A	TYPE B	TYPE C	TYPE H				EA	SQFT	EA		
2.8	EB	EB OFF-RAMP TO MATHILDA Ave	25A	735													32	32			
			27B		1000																
			9				480												11	11	
			36						280										13	13	
			38						900										39	39	
			LL																	70	
			YIELD																	24	
			6 No. TYPE III (L) ARROW 1 No. TYPE II (L) ARROW 2 No. TYPE II (B) ARROW																	252	45
2.823	WB	WB ON-RAMP FROM MATHILDA Ave	25A	660													29	29			
			27B		945																
			36B					280											13	13	
			38					300											14	14	
			2 No. TYPE I ARROW 3 No. TYPE II (L) ARROW																62	90	
3.2	EB	EB ON-RAMP FROM MATHILDA Ave	25A	795													34	34			
			27B		1275																
			36A					225											10	10	
			8				190													4	4
			38					60											4	10	
			9				450													31	
			1 No. TYPE I ARROW CROSSWALK																	90	
3.24	WB	WB OFF-RAMP TO MATHILDA Ave	25A	880													38	38			
			27B		1075																
			36					235											11	11	
			38					620											27	27	
			CROSSWALK																	95	
			2 No. TYPE III (R) ARROW 2 No. TYPE III (L) ARROW 2 No. TYPE II (L) ARROW																	84	84
																				90	
3.81	EB	EB OFF-RAMP TO FAIR OAKS Ave/PERSIAN Dr	25A	475													21	21			
			27B		670																
			36					210											10	10	
			38					290											13	13	
			2 No. STOP																	44	
			LL																	140	
			1 No. TYPE V ARROW 1 No. TYPE I ARROW																	33	31
			1 No. TYPE III (R) ARROW 2 No. TYPE III (L) ARROW																	42	84
3.84	WB	WB ON-RAMP FROM CROSSMAN Ave/JAVA Dr	25A	145													7	7			
			27B		295																
			36A					200											9	9	
			8				325														
SHEET TOTAL				3690	5260		1445	3600				184	160			1537	345				
PDQ-2 TOTAL				8675	10640		1920	3125				176	369			1258	546				
PDQ-1 TOTAL				30677	29301	36115		3208	4505	3030	308	957	641	480	202	4939					
SUBTOTAL				43042	45201	36115	3365	9933	4505	3030	308	1317	1170	480	2997	5830					
GRAND TOTAL						127723		9933	4505	3030		2795		3477		5830					

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	237	1.0/4.0	41	61

Rahman 1/6/11
 REGISTERED CIVIL ENGINEER DATE
 1-10-11
 PLANS APPROVAL DATE

Md Mustaqur Rahman
 No. 75824
 Exp 6-30-12
 CIVIL
 STATE OF CALIFORNIA

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

TRAFFIC STRIPES, PAVEMENT MARKINGS AND PAVEMENT MARKERS (RAMPS)

PAVEMENT DELINEATION QUANTITIES PDQ-3

LAST REVISION
 DATE PLOTTED => 14-MAR-2011
 TIME PLOTTED => 11:01

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
St. Caltrans
DESIGN
 FUNCTIONAL SUPERVISOR
 RONNIE CHUA
 CALCULATED-DESIGNED BY
 CHECKED BY
 MD. MUSTAQUR RAHMAN
 RONNIE CHUA
 REVISED BY
 DATE REVISED
 MMR
 12/30/10

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	237	1.0/4.0	42	61

Rahman 1/6/11
 REGISTERED CIVIL ENGINEER DATE
 1-10-11
 PLANS APPROVAL DATE
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ROADWAY QUANTITIES (MAINLINE)

PM	DIRECTION	LANE No.	COLD PLANE AC PAVEMENT (0.10' Max)	HOT MIX ASPHALT (BONDED WEARING COURSE-GAP GRADED)	ASPHALTIC EMULSION MEMBRANE (BWC)
			SQYD	TON	
1.065 TO 1.547	EB & WB	1 & 2	6787	458.09	5.66
1.584 TO 1.788	EB & WB	1 & 2	2872	193.88	2.39
1.856 TO 2.449	EB & WB	1 & 2	8349	563.59	6.96
2.055 TO 2.294	EB	Aux LANE	1683	113.57	1.40
2.510 TO 2.990	EB & WB	1 & 2	6758	456.19	5.63
2.510 TO 2.832	EB	Aux LANE	2267	153.01	1.89
2.661 TO 2.841	WB	Aux LANE	1267	85.54	1.06
3.030 TO 4.050	EB	1 & 2	14362	969.41	11.97
3.030 TO 3.890	EB	1 & 2	12109	817.34	10.09
3.181 TO 3.890	WB	Aux LANE	4991	336.92	4.16
3.310 TO 4.050	EB	HOV LANE	5671	382.80	4.73
TOTAL			67116	4530.35	55.93

IMPORTED MATERIALS (MAINLINE)

PM	DIRECTION	LOCATION	IMPORTED MATERIALS
			TON
2.07 TO 2.11	EB	EB ON-RAMP FROM MAUDE Ave TO EB OFF-RAMP TO SB ROUTE 101	8
2.17 TO 2.30	WB	WB OFF-RAMP TO W MAUDE Ave TO ROUTE 101/237 INTERCHANGE	26
2.67 TO 2.79	EB	ROUTE 101/237 INTERCHANGE TO EB OFF-RAMP TO MATHILDA Ave	24
3.25 TO 3.48	EB	EB ON-RAMP FROM MATHILDA Ave TO JAVA Dr OC	68
3.42 TO 3.70	WB	WB OFF-RAMP TO MATHILDA Ave TO WB ON-RAMP FROM CROSSMAN Ave	56
TOTAL			182

ROADWAY QUANTITIES (SHOULDER)

PM	DIRECTION	SHOULDER	COLD PLANE AC PAVEMENT (0.10' Max)	HOT MIX ASPHALT (BONDED WEARING COURSE-GAP GRADED)	ASPHALTIC EMULSION MEMBRANE (BWC)
			SQYD	TON	
1.065 TO 1.547	EB & WB	INSIDE SHOULDER	5655	381.74	4.71
		OUTSIDE SHOULDER	5655	381.74	4.71
1.584 TO 1.788	EB & WB	INSIDE SHOULDER	2394	161.57	1.99
		OUTSIDE SHOULDER	2394	161.57	1.99
1.856 TO 2.449	EB & WB	INSIDE SHOULDER	6958	469.66	5.80
		OUTSIDE SHOULDER	6958	469.66	5.80
2.510 TO 2.990	EB & WB	INSIDE SHOULDER	5632	380.16	4.69
		OUTSIDE SHOULDER	5632	380.16	4.69
3.030 TO 4.050	EB	INSIDE SHOULDER	5984	403.92	4.99
		OUTSIDE SHOULDER	5984	403.92	4.99
3.030 TO 3.890	WB	INSIDE SHOULDER	5045	340.56	4.20
		OUTSIDE SHOULDER	5045	340.56	4.20
TOTAL			63337	4275.22	52.78

REMOVE AC DIKE AND PLACE HMA DIKE

PM	DIRECTION	TYPE OF DIKE	REMOVE AC DIKE	PLACE HMA DIKE	HMA DIKE (TYPE A)
			LF	TON	
1.50 TO 1.52	EB	C	90	90	0.03
1.93 TO 2.04	EB	E	570	570	0.56
2.30 TO 2.41	EB	D	600	600	1.32
2.30 TO 2.43	WB	D	680	680	1.49
2.51 TO 2.67	EB	D	870	870	1.91
2.51 TO 2.54	WB	E	160	160	0.16
2.54 TO 2.63	WB	E	500	500	0.49
2.87 TO 2.99	EB	D	640	640	1.41
2.88 TO 2.99	WB	E	590	590	0.58
3.03 TO 3.17	EB	D	720	720	1.58
3.03 TO 3.18	WB	E	780	780	6.76
TOTAL			6200	6200	10.27

SUMMARY OF QUANTITIES

Q-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
St. Caltrans
 DESIGN
 FUNCTIONAL SUPERVISOR
 RONNIE CHUA
 CALCULATED-DESIGNED BY
 CHECKED BY
 MD. MUSTAQUR RAHMAN
 RONNIE CHUA
 REVISIONS
 REVISOR
 DATE
 MMR
 12/30/10

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	237	1.0/4.0	43	61

1/6/11
 REGISTERED CIVIL ENGINEER DATE
 1-10-11
 PLANS APPROVAL DATE

Md Mustaqur Rahman
 No. 75824
 Exp 6-30-12
 CIVIL
 STATE OF CALIFORNIA

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

ROADWAY QUANTITIES (RAMP)

PM	DIRECTION	NAME OF RAMP	LOCATION	COLD PLANE AC PAVEMENT (0.10' Max)	HOT MIX ASPHALT (BONDED WEARING WEARING COURSE -GAP GRADED)	ASPHALTIC EMULSION MEMBRANE (BWC)
				SQYD		
1.365	WB	WB ON-RAMP FROM MIDDLEFIELD Rd/MAUDE Ave	RAMP	3220	217.35	2.68
			GORE AREA & ADJACENT RAMP	2121	143.18	1.77
1.366	EB	EB OFF-RAMP TO MIDDLEFIELD Rd/MAUDE Ave	RAMP	3796	256.22	3.16
			GORE AREA & ADJACENT RAMP	1270	85.73	1.06
2.018	WB	WB OFF-RAMP TO MAUDE Ave/MIDDLEFIELD Rd	RAMP	4052	273.50	3.38
			GORE AREA & ADJACENT RAMP	870	58.73	0.73
2.055	EB	EB ON-RAMP FROM MAUDE Ave/MIDDLEFIELD Rd	RAMP	4396	296.74	3.66
			GORE AREA & ADJACENT RAMP	589	39.75	0.49
2.294	EB	EB OFF-RAMP TO SB ROUTE 101	RAMP	2927	197.55	2.44
			GORE AREA & ADJACENT RAMP	656	44.25	0.55
2.423	EB	EB ON-RAMP FROM SB ROUTE 101	RAMP	1987	134.14	1.66
			GORE AREA & ADJACENT RAMP	499	33.68	0.42
2.537	WB	WB ON-RAMP FROM NB ROUTE 101	RAMP	1969	132.92	1.64
			GORE AREA & ADJACENT RAMP	350	23.63	0.29
2.661	WB	WB OFF-RAMP TO NB ROUTE 101	RAMP	3929	265.20	3.27
			GORE AREA & ADJACENT RAMP	438	29.59	0.37
2.834	EB	EB OFF-RAMP TO MATHILDA Ave	RAMP	3476	234.64	2.90
			GORE AREA & ADJACENT RAMP	1071	72.30	0.89
2.841	WB	WB ON-RAMP FROM MATHILDA Ave	RAMP	2847	192.17	2.37
			GORE AREA & ADJACENT RAMP	715	48.26	0.60
3.174	EB	EB ON-RAMP FROM MATHILDA Ave	RAMP	2750	185.60	2.29
			GORE AREA & ADJACENT RAMP	1484	100.20	1.24
3.181	WB	WB OFF-RAMP TO MATHILDA Ave	RAMP	2955	199.46	2.46
			GORE AREA & ADJACENT RAMP	544	36.71	0.45
3.840	EB	EB OFF-RAMP TO FAIR OAKS Ave/PERSIAN Dr	RAMP	1177	79.44	0.98
			GORE AREA & ADJACENT RAMP	1066	71.98	0.89
3.870	WB	WB ON-RAMP FROM CROSSMAN Ave/JAVA Dr	RAMP	405	27.34	0.34
			GORE AREA & ADJACENT RAMP	969	65.39	0.81
TOTAL				52528	3545.65	43.79

ROADWAY QUANTITIES (RAMP)

PM	DIRECTION	NAME OF RAMP	COLD PLANE AC PAVEMENT (0.35' Max)			HOT MIX ASPHALT (TYPE A)	TACK COAT TON
			LENGTH	WIDTH	AREA		
			LF (N)		SQYD		
2.661	WB	WB OFF-RAMP TO NB 101	30	12	40	5.40	0.03
2.834	EB	EB OFF-RAMP TO MATHILDA Ave	25	24	67	9.00	0.06
			25	24	67	9.00	0.06
3.174	EB	EB ON-RAMP FROM MATHILDA Ave	15	12	20	2.70	0.02
			15	12	20	2.70	0.02
			30	12	40	5.40	0.03
			20	12	27	6.30	0.02
TOTAL					281	40.50	0.24

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

SUMMARY OF QUANTITIES

DATE PLOTTED => 14-MAR-2011
 TIME PLOTTED => 11:02

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
St. Caltrans
DESIGN

FUNCTIONAL SUPERVISOR
 RONNIE CHUA

CALCULATED-DESIGNED BY
 CHECKED BY

MD. MUSTAQUR RAHMAN
 RONNIE CHUA

REVISOR BY
 DATE REVISOR

MMR
 12/30/10

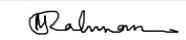
DATE REVISOR

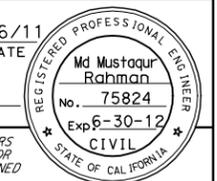
ROADWAY QUANTITIES (MAINLINE)

PM	DIRECTION	LOCATION	COLD PLANE AC PAVEMENT (0.35' Max)			HOT MIX ASPHALT (TYPE A)	TACK COAT
			LENGTH	WIDTH	AREA		
			LF (N)		SQYD	TON	
1.000 TO 1.550	EB	1	30	12	40	9.45	0.03
		OUTSIDE SHOULDER	30	10	33	7.88	0.03
	WB	1 & 2	100	24	267	63.00	0.23
		1 & 2	70	24	187	44.10	0.16
1.580 TO 1.790	EB	OUTSIDE SHOULDER	50	10	56	13.13	0.05
		OUTSIDE SHOULDER	30	10	33	7.88	0.03
2.018 TO 2.449	WB	OUTSIDE SHOULDER	60	10	67	15.75	0.06
		1,2, & SHOULDER	300	34	1133	267.75	0.96
	EB	1 & 2	160	24	427	100.80	0.36
		1 & 2	60	24	160	37.80	0.14
	WB	OUTSIDE SHOULDER	400	10	444	105.00	0.38
		1	60	12	80	18.90	0.07
	EB	1	60	12	80	18.90	0.07
		OUTSIDE SHOULDER	30	10	33	7.88	0.03
	WB	2	50	12	67	15.75	0.06
		1	50	12	67	15.75	0.06
	EB	OUTSIDE SHOULDER	50	10	56	13.13	0.05
		2	50	12	67	15.75	0.06
2.510 TO 2.990	WB	1	50	12	67	15.75	0.06
		2	30	12	40	9.45	0.03
	EB	1	50	12	67	15.75	0.06
		OUTSIDE SHOULDER	500	10	556	131.25	0.47
	WB	Aux LANE	50	12	67	15.75	0.06
		1	50	12	67	15.75	0.06
	EB	1 & 2	100	24	267	63.00	0.23
		Aux LANE	25	12	33	7.88	0.03
	WB	2	20	12	27	6.30	0.02
		1	30	12	40	9.45	0.03
	EB	1	30	12	40	9.45	0.03
		2	30	12	40	9.45	0.03
WB	2	30	12	40	9.45	0.03	
	1 & 2	20	24	53	12.60	0.05	
3.030 TO 4.040	WB	2	30	12	40	9.45	0.03
		2	30	12	40	9.45	0.03
	EB	2	30	12	40	9.45	0.03
		OUTSIDE SHOULDER	30	10	33	7.88	0.03
	WB	2	50	12	67	15.75	0.06
		2	50	12	67	15.75	0.06
	EB	2	15	6	10	2.36	0.01
		Aux LANE	50	12	67	15.75	0.06
	WB	2	50	12	67	15.75	0.06
		2 & 3	100	24	267	63.00	0.23
	EB	2	50	12	67	15.75	0.06
		OUTSIDE SHOULDER	300	10	333	78.75	0.28
WB	3	30	12	40	9.45	0.03	
	3	15	12	20	4.73	0.02	
EB	2 & 3	300	20	667	157.50	0.57	
	1, 2 & 3	30	40	133	31.50	0.11	
TOTAL					6887	1626.98	5.89

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	237	1.0/4.0	44	61


 REGISTERED CIVIL ENGINEER DATE 1/6/11
 1-10-11
 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.



SUMMARY OF QUANTITIES

Q-3



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	237	1.0/4.0	45	61

Rahman 1/6/11
 REGISTERED CIVIL ENGINEER DATE

1-10-11
 PLANS APPROVAL DATE

Md Mustaqur Rahman
 No. 75824
 Exp 6-30-12
 CIVIL
 STATE OF CALIFORNIA

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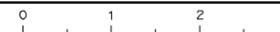
SUMMARY OF ROADWAY QUANTITIES

SHEET	COLD PLANE AC PAVEMENT		HOT MIX ASPHALT (TYPE A)	HOT MIX ASPHALT (BONDED WEARING COURSE GAP GRADED)	ASPHALTIC EMULSION MEMBRANE (BWC)	TACK COAT	IMPORTED MATERIALS	REMOVE AC DIKE	PLACE HMA DIKE
	(0.10' Max)	(0.35' Max)							
	SQYD		TON				LF		
SUBTOTAL SHEET Q-1 ROADWAY QUANTITIES (MAINLINE)	67116			4530.35	55.93				
SUBTOTAL SHEET Q-1 ROADWAY QUANTITIES (SHOULDER)	63337			4275.22	52.78				
SUBTOTAL SHEET Q-1 REMOVE AC DIKE AND PLACE HMA DIKE			10.27					6200	6200
SUBTOTAL SHEET Q-1 IMPORTED MATERIALS (MAINLINE)							182		
SUBTOTAL SHEET Q-2 ROADWAY QUANTITIES (RAMP)	52528			3545.65	43.79				
SUBTOTAL SHEET Q-2 ROADWAY QUANTITIES (RAMP) (COLD PLANE 0.35' Max)		281	40.50			0.24			
SUBTOTAL SHEET Q-3 ROADWAY QUANTITIES (COLD PLANE 0.35' Max MAINLINE)		6887	1626.98			5.89			
TOTAL	182981	7168	1677.75	12351.22	152.50	6.13	182	6200	6200
GRAND TOTAL	190149		1677.75	12351.22	152.50	6.13	182	6200	6200

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
St. Caltrans
DESIGN
 FUNCTIONAL SUPERVISOR
 RONNIE CHUA
 CALCULATED-DESIGNED BY
 CHECKED BY
 MD. MUSTAQUR RAHMAN
 RONNIE CHUA
 REVISOR
 MMR
 12/30/10

SUMMARY OF QUANTITIES

Q-4



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	237	1.0/4.0	46	61

1-10-11
 REGISTERED ELECTRICAL ENGINEER DATE
 1/5/11
 REGISTERED ELECTRICAL ENGINEER DATE
 Mahmood Noji
 No. 13717
 Exp. 6-30-11
 ELECT
 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.

ELECTRICAL INDEX

- E-1 LOOP DETECTOR REPLACEMENT (ELECTRICAL INDEX, NOTES, SYMBOLS, LEGEND, DETAIL, DETECTOR IDENTIFICATION AND LANE DESCRIPTION)
- E-2 LOOP DETECTOR REPLACEMENT (TRAFFIC MONITORING STATION)
- E-3 LOOP DETECTOR REPLACEMENT (TRAFFIC SIGNAL)
- E-4 ELECTRICAL DETAILS

GENERAL NOTES

- AT LEAST THREE WORKING DAYS PRIOR TO PERFORMING ANY WORK ON EACH EXISTING SYSTEM, THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF TRANSPORTATION, ELECTRICAL AND SIGNAL MAINTENANCE SUPERINTENDENT, PHONE (415) 330-6500
- THE CONTRACTOR SHALL VERIFY THE LOCATION OF THE LOOP DETECTORS TO BE REPLACED PRIOR TO REPAVING.
- THE CONTRACTOR SHALL PROVIDE TWO REPORTS PER LOCATION ON THE STATUS OF EACH DETECTOR LOOP REPLACEMENT SHOWING CONTINUITY AND INSULATION RESISTANCE READINGS. THE REPORTS SHALL BE SUBMITTED TO THE ENGINEER, ONE BEFORE STARTING WORK AND THE OTHER AFTER WORK HAS BEEN COMPLETED AT EACH LOCATION.
- FOR INSTALLING DETECTOR LOOP IN PRECAST CONCRETE PAVEMENT OR PRECASTE POST-TENSION CONCRETE PAVEMENT, SLOTS SHALL BE FILLED WITH EPOXY.
- PM IS NOT TO BE USED TO DETERMINE DETECTOR LOOP EXACT LOCATIONS.
- VERIFY EXACT LOCATION OF EACH EXISTING DETECTOR, TERMINATION PULL BOX AND DLC, INCLUDING EACH LOOP CONDUCTOR SPLICE TO DLC, AS FIRST ORDER OF WORK.

PROJECT NOTES

- EXISTING DETECTORS AND INSTALL NEW DETECTORS. SPLICE NEW LOOP CONDUCTORS TO CORRESPONDING DLC IN TERMINATION PULL BOX. VERIFY IDENTIFICATION OF EXISTING DLC BEFORE CONNECTING TO CORRESPONDING LOOP CONDUCTORS.

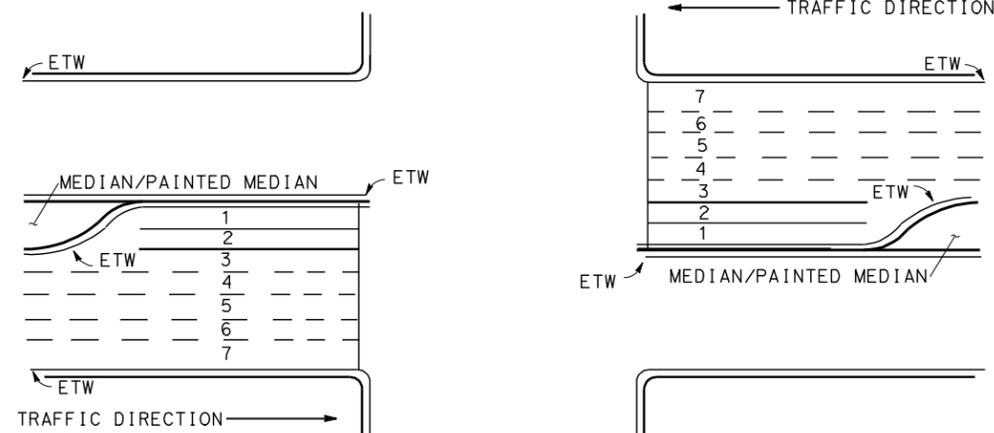
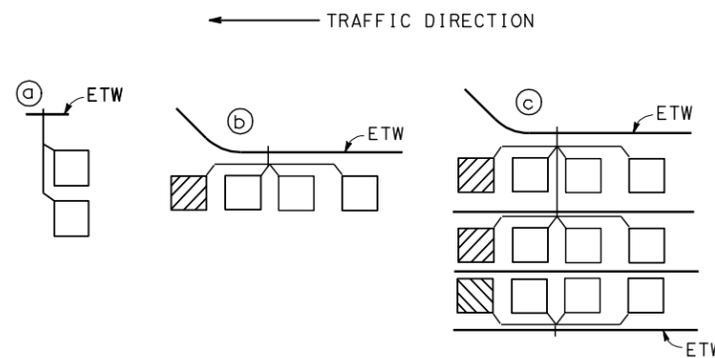
LEGEND

- ETW EDGE OF TRAVELED WAY
- NB NORTH BOUND
- SB SOUTH BOUND
- EB EAST BOUND
- WB WEST BOUND

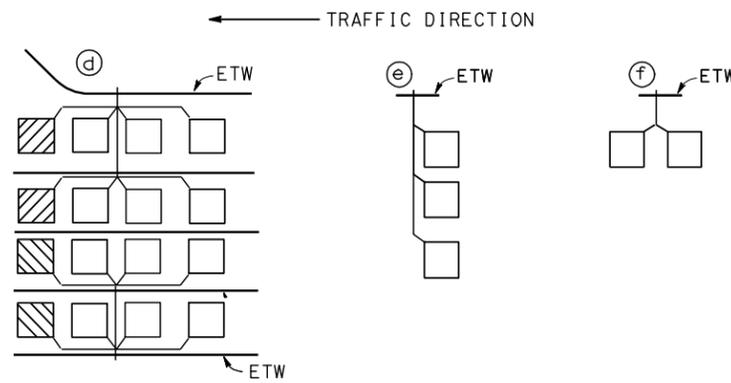
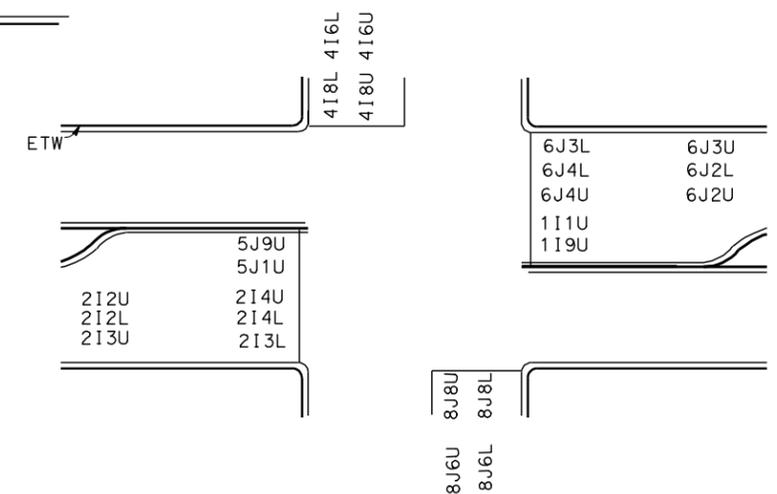
LANE DESCRIPTION

Number of Lanes from Left with Respect to Traffic Direction

- 1= First Lane from Left
- 2= Second Lane from Left
- 3= Third Lane from Left
- 4= Fourth Lane from Left
- 5= Fifth Lane from Left
- T= Through traffic movement
- L= Left turn traffic movement
- R= Right turn traffic movement
- B= Bicycle lane



TRAFFIC SIGNAL LANE CONFIGURATION (TYPICAL)



LOOP DETECTOR CONFIGURATION SYMBOLS

DETECTOR IDENTIFICATION (TYPICAL) LOOP DETECTOR REPLACEMENT (ELECTRICAL INDEX, NOTES, SYMBOLS, LEGEND, DETECTOR IDENTIFICATION AND LANE DESCRIPTION)

NO SCALE

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	237	1.0/4.0	47	61

m now 1/5/11
 REGISTERED ELECTRICAL ENGINEER DATE
 1-10-11
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 Mahmood Noii
 No. 13717
 Exp. 6-30-11
 ELECT
 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.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 ELECTRICAL
 FUNCTIONAL SUPERVISOR
 LAI HONG CHIU
 CALCULATED-DESIGNED BY
 CHECKED BY
 PARWIZ KHAZI
 MAHMOOD NOII
 REVISED BY
 DATE REVISED
 PK
 10-12-10

COUNTY - ROUTE - PM	EB 237 CONNECTOR RAMP TO SB 101				SB 101 CONNECTOR RAMP TO EB 237				EB 237 EAST OF MATILDA AVE ON RAMP				WB 237 MATILDA AVE ON RAMP				WEB 237 WEST OF CROSSMAN AVE				TOTAL DETECTORS (E-2)
SCI 237 (LOCATION 1) 2.5	SCI 237 (LOCATION 2) 2.5	SCI 237 (LOCATION 3) 2.65	SCI 237 (LOCATION 4) 2.9	SCI 237 (LOCATION 5) 3.89																	
DETECTORS: A = TMS-MAINLINE B = ON RAMP-QUEUE C = ON RAMP-RM D = OFF RAMP-QUEUE	B	C			B				A				B	C	A		B	A			
NUMBER OF LANES/ DIRECTION OF TRAFFIC (#/NB, #/SB, #/EB, #/WB)	1/EB	1/EB			1/SB				2/EB				2/WB	1/WB	2/WB		1/WB	3/WB			
DETECTOR INSTALLATION DETAIL: A= SEE SHEET E-4	A	A			A				A				A	A	A		A	A			
PULL BOX LOCATION: A = LEFT SHOULDER B = MEDIAN C = RIGHT SHOULDER	C	C			C				C				C	C	C		C	C			
PULL BOX REPLACEMENT: Y=YES, N=NO	N	N			N				N				N	N	N		N	N			
NUMBER OF DETECTORS:	1	4			1				4				2	4	2		1	6			25
COMMENTS	1				1				1				1				1				

LOOP DETECTOR REPLACEMENT (TRAFFIC MONITORING STATION)

NO SCALE

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY

E-2

LAST REVISION 12-28-10
 DATE PLOTTED => 14-MAR-2011
 TIME PLOTTED => 11:03

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	237	1.0/4.0	48	61

m now 1/5/11
 REGISTERED ELECTRICAL ENGINEER DATE
 1-10-11
 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.

REGISTERED PROFESSIONAL ENGINEER
 Mahmood Noii
 No. 13717
 Exp. 6-30-11
 ELECT
 STATE OF CALIFORNIA

SCL	237	1.0/4.0	RTE 237 EB OFF RAMP TO MIDDLEFIELD RD					RTE 237 WB OFF RAMP TO MAUDE AVE					RTE 237 EB OFF RAMP TO MATILDA AVE					RTE 237 WB OFF RAMP TO MATILDA AVE										
			Advance Detector		Intersection Detector			Advance Detector		Intersection Detector			QUE Detector	Advance Detector		Intersection Detector			Advance Detector		Intersection Detector							
LANE NUMBER	(From Left with Respect to Direction of Traffic. See E-1 for Lane Description)		2T/R	2L	2L	1 T/R	1T		2T	1R	1L	2T	1R	1T		1L	1T	2L	1 L/T/R			1L	1T	1L	1 L/T	1R		
DISTANCE FROM LIMIT LINE (FEET)	(Advance Loop)		140					105					200					110										
DETECTORS:	A. FRONT DETECTOR B. INTERMEDIATE DETECTOR C. ADVANCE DETECTOR D. COUNT DETECTOR/QUE DETECTOR		C		A			C		A			D		C		A			C		A						
PULL BOX LOCATION:	A. RIGHT SHOULDER B. RIGHT SIDE WALK C. MEDIAN D. LEFT SHOULDER E. LEFT SIDE WALK		A		A/C			A		A/C/D			A		A		A/D			A		A/D						
HANDHOLE LOCATION:	A. RIGHT SHOULDER/(RIGHT ETW) B. LEFT SHOULDER/(LEFT ETW) C. LANE STRIP D. PAINTED MEDIAN E. NONE		A/B		A/B			A		A/B/B			A		A		A/B			A		A/B						
DETECTOR TYPE & QUANTITY	TYPE A LOOP DETECTOR		2	2	6	3	3		1	1	3	6	3	2		1	1	6	3			1	1	3	3	3		
	TYPE B LOOP DETECTOR																											
	TYPE C LOOP DETECTOR																											
	TYPE D LOOP DETECTOR				2	1	1				1	2	1					2	1					1	1	1		
DETECTOR CONFIGURATION (See E-1) a, b, c, d, e, f			a	a	d			e		c/b			f		a		c			a		c						
PULL BOX REPLACEMENT (Y=YES N=NO)			N	N	N			N		N			N		N		N			N		N						
HANDHOLE REPLACEMENT (Y=YES N=NO)			Y	Y	Y			Y		Y			Y		Y		Y			Y		Y						
TOTAL LOOP DETECTORS			2	2	8	4	4		1	1	4	8	4	2		1	1	8	4			1	1	4	4	4		
COMMENTS																												
					TOTAL			PULL BOXES		HANDHOLES			LOOP DETECTORS		0		15			68								

LOOP DETECTOR REPLACEMENT (TRAFFIC SIGNAL)

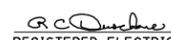
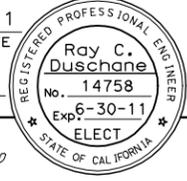
NO SCALE

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY

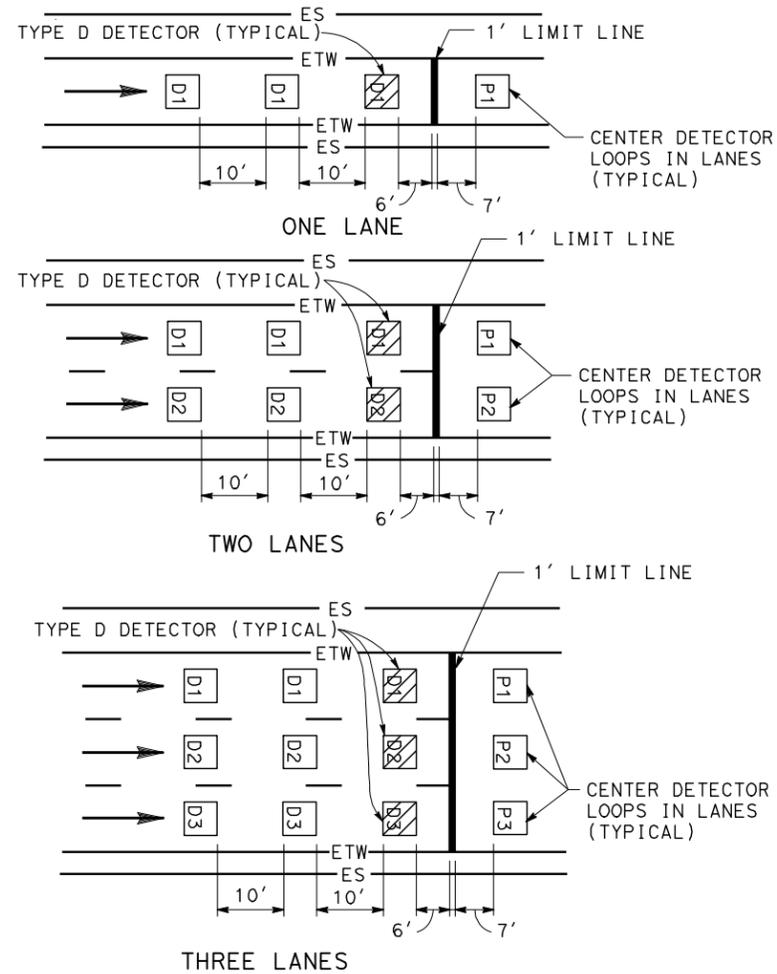
E-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 PARWIZ KHAZI
 MAHMOOD NOII
 CALCULATED-DESIGNED BY
 CHECKED BY
 FUNCTIONAL SUPERVISOR
 LAI HONG CHIU
 REVISIONS: 10-12-10
 REVISED BY
 DATE REVISED

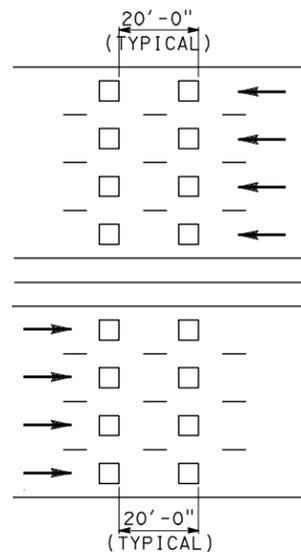
LAST REVISION
 DATE PLOTTED => 14-MAR-2011
 TIME PLOTTED => 11:03

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	237	1.0/4.0	49	61
 1/10/11 REGISTERED ELECTRICAL ENGINEER DATE					
1-10-11 PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	DESIGNED BY	REVISOR	PK
St. Caltrans	LAI HONG CHIU	CHECKED BY	DATE REVISOR	10-12-10
		PARWIZ KHAZI	MAHMOOD NOJI	



**DETAIL "RM"
RAMP METERING STATION**



TRAFFIC MONITORING STATION NOTES

FREEWAY MAINLINE DETECTOR DESIGNATION:

- N=NORTHBOUND LANES (NB)
- S=SOUTHBOUND LANES (SB)
- E=EASTBOUND LANES (EB)
- W=WESTBOUND LANES (WB)

NUMBER OF LANES FROM LEFT WITH RESPECT TO DIRECTION OF TRAFFIC:

- 1=FIRST LANE FROM LEFT
- 2=SECOND LANE FROM LEFT
- 3=THIRD LANE FROM LEFT
- 4=FOURTH LANE FROM LEFT

NUMBER OF DETECTOR IN THE SAME LANE:

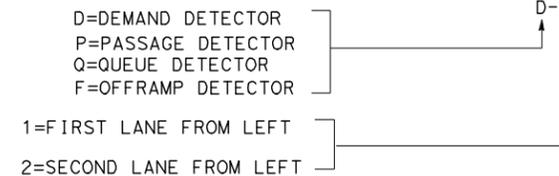
- 1=ENTERING DETECTOR
- 2=LEAVING DETECTOR

**DETAIL "TM"
TRAFFIC MONITORING STATION**

RAMP METERING STATION NOTES

- SEE ES-5A, ES-5B, AND ES-13A FOR ADDITIONAL DETAILS.
- DLC CONDUCTORS SHALL BE SPLICED TO THE LOOP CONDUCTORS IN THE NEAREST PULLBOX.
- ALL SPLICES SHALL BE TYPE "S" OR TYPE "ST" AS REQUIRED.

RAMP DETECTOR DESIGNATION:



**ELECTRICAL DETAILS
(RAMP METERING AND TRAFFIC MONITORING
DETECTOR SPACING AND DESIGNATION)**

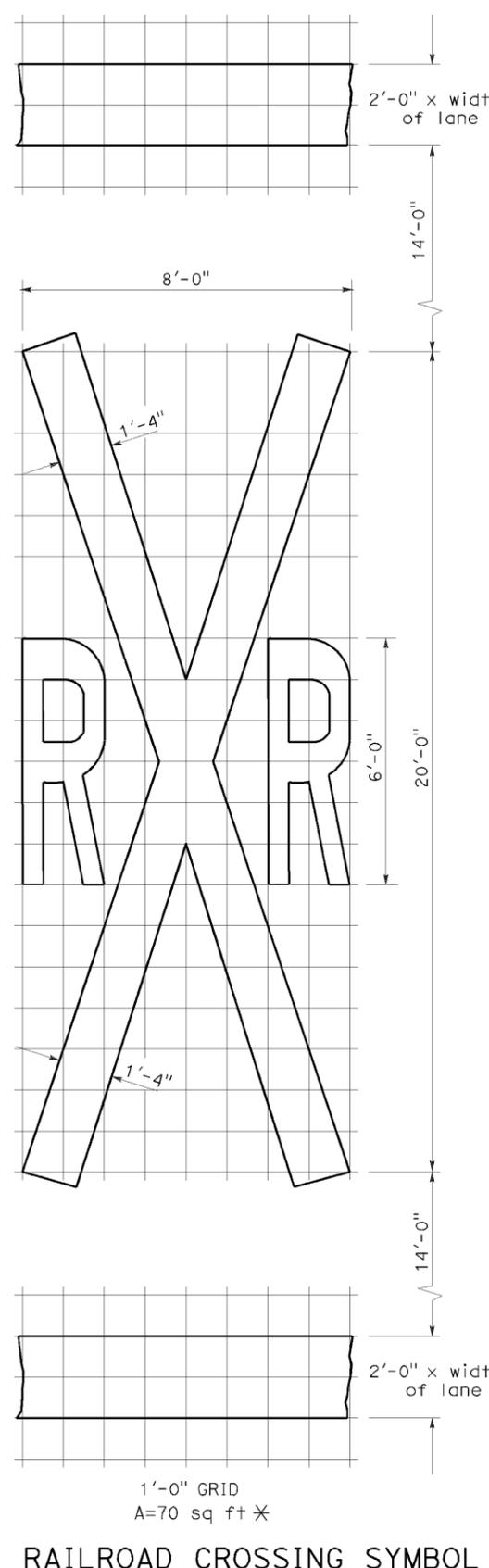
NO SCALE

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SCI	237	1.0/4.0	50	61

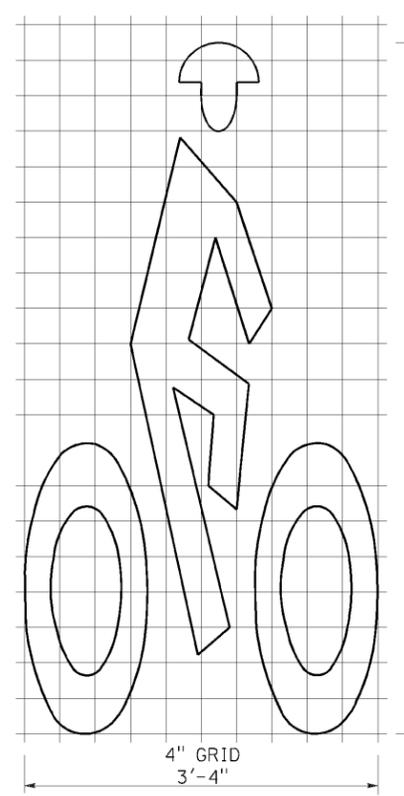
Donald E. Howe
 REGISTERED CIVIL ENGINEER
 June 6, 2008
 PLANS APPROVAL DATE
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REGISTERED PROFESSIONAL ENGINEER
 Donald E. Howe
 No. C46402
 Exp. 3-31-09
 CIVIL
 STATE OF CALIFORNIA

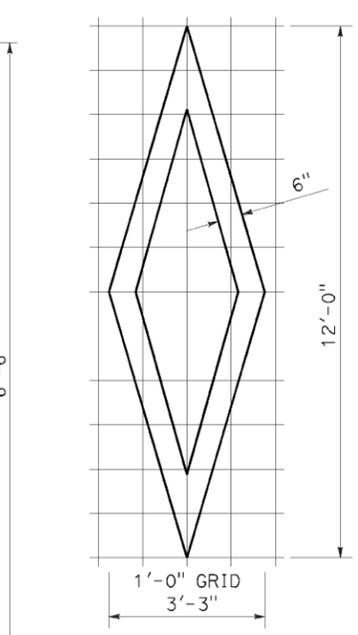


RAILROAD CROSSING SYMBOL

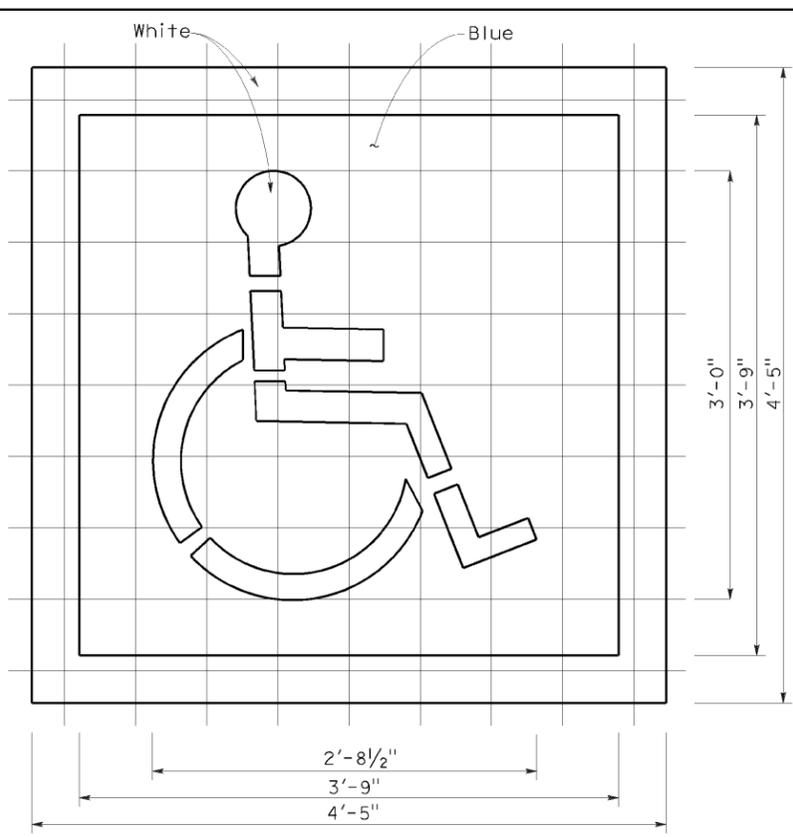
*70 sq ft DOES NOT INCLUDE THE 2'-0" x VARIABLE WIDTH TRANSVERSE LINES.



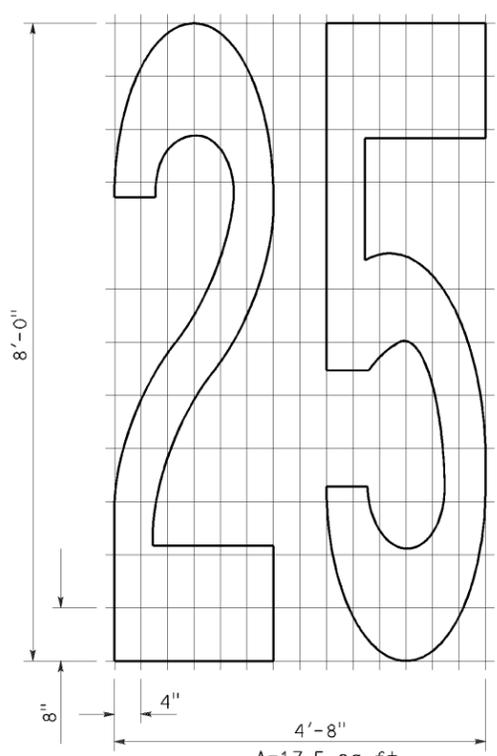
BIKE LANE SYMBOL
A=7 sq ft



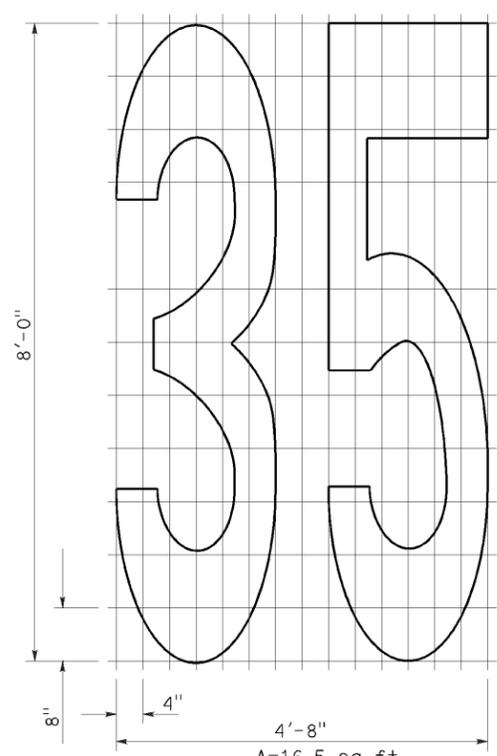
DIAMOND SYMBOL
A=11 sq ft



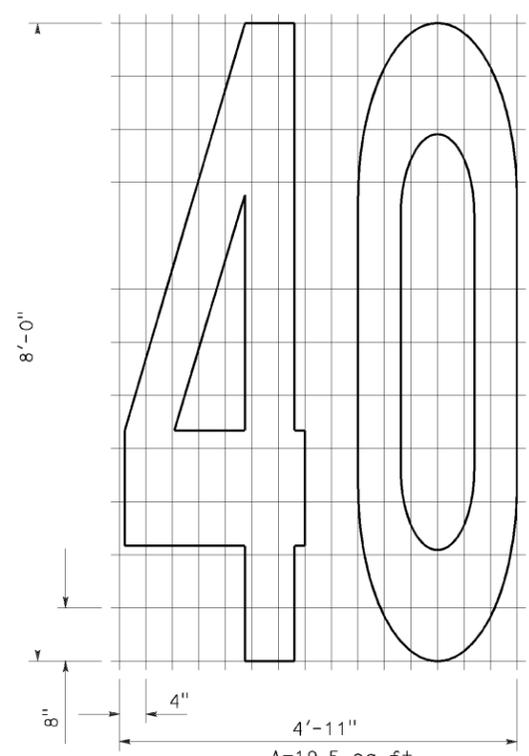
INTERNATIONAL SYMBOL OF ACCESSIBILITY MARKING



NUMERALS
A=17.5 sq ft

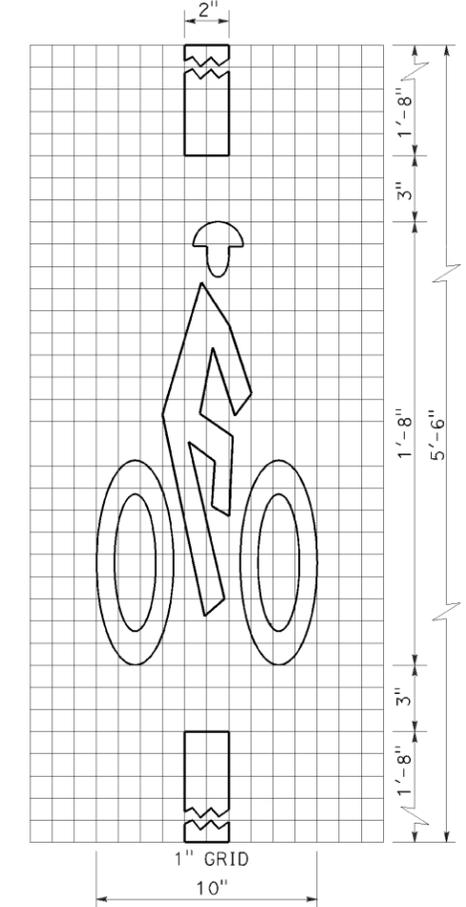


NUMERALS
A=16.5 sq ft



NUMERALS
A=19.5 sq ft

To accompany plans dated 1-10-11



BICYCLE LOOP DETECTOR SYMBOL
A=2 sq ft

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

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

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

REVISED STANDARD PLAN RSP A24C

2006 REVISED STANDARD PLAN RSP A24C

ELECTROLIERS

STANDARD TYPES	Symbol	Description
15, 15D		High mast light pole
15 STRUCTURE		Double Arm lighting standard
21, 21D STRUCTURE		Existing electrolier
30		Electrolier foundation (Future installation)

NOTES:

- Luminaires shall be 310 W HPS when installed on Type 21, 21D, 30, 31, 32, 35 and 36-20A Standards, unless otherwise specified. Luminaires shall be 200 W HPS when installed on other type standards or poles, unless otherwise specified.
- Luminaires shall be the cutoff type, ANSI Type III medium cutoff lighting distribution, unless otherwise specified.
- Variations noted adjacent to symbol on project plans.

- Electrolier (see project notes or project plans)
- Luminaire on wood pole

STANDARD NOTES:

- AB** Abandon. If applied to conduit, remove conductors.
- BC** Install pull box in existing conduit run.
- BP** Pedestrian barricade, type as indicated on plan.
- CB** Install conduit into existing pull box.
- CC** Connect new and existing conduit. Remove existing conductors and install conductors as indicated.
- CF** Conduit to remain for future use. Remove conductors. Install pull wire or rope.
- DH** Detector handhole.
- FA** Foundation to be abandoned.
- IS** Install sign on signal mast arm.
- NS** No slip base on standard.
- PEC** Photoelectric control.
- PEU** Photoelectric unit.
- RC** Equipment or material to be removed and become the property of the Contractor.
- RE** Remove electrolier, fuses and ballast. Tape ends of conductors.
- RL** Relocate equipment.
- RR** Remove and reuse equipment.
- RS** Remove and salvage equipment.
- SC** Splice new to existing conductors.
- SD** Service disconnect.
- SF** Standard to remain for future use. Remove luminaire, pole conductors, fuses and ballast.
- TSP** Telephone service point.

ABBREVIATIONS AND EQUIPMENT DESIGNATIONS

PROPOSED EXISTING

BBS	bbs	Battery backup system
BC	bc	Bolt circle
C	C	Conduit
CCTV	cctv	Closed circuit television
CKT	ckt	Circuit
CMS	cms	Changeable message sign
DLC	dlc	Loop detector lead-in cable
EMS	ems	Extinguishable message sign
EVC	evc	Emergency vehicle cable
EVD	evd	Emergency vehicle detector
FB	fb	Flashing beacon
FBCA	fbcA	Flashing beacon control assembly
FBS	fbs	Flashing beacon with slip base
FO	fo	Fiber optic
G	G	Ground (Equipment Grounding Conductor)
GFCI	GFCI	Ground fault circuit interrupt
HAR	har	Highway advisory radio
HEX	hex	Hexagonal
HPS	hps	High pressure sodium
IISNS	iisns	Internally illuminated street name sign
ISL	isl	Induction sign lighting
LED	led	Light emitting diode
LMA	lma	Luminaire mast arm
LPS	lps	Low pressure sodium
LTG	ltg	Lighting
LUM	lum	Luminaire
MAT	mat	Mast arm mounting vehicle signal faces, top attachment
MAS	mas	Mast arm mounting vehicle signal faces, side attachment
MAS-4A	mas-4A	Mast arm mounting vehicle signal faces, top attachment
MAS-4B	mas-4B	Mast arm mounting vehicle signal faces, side attachment - 4 signal section
MAS-4C	mas-4C	Mast arm mounting vehicle signal faces, side attachment - 4 signal section
MAS-5A	mas-5A	Mast arm mounting vehicle signal faces, top attachment
MAS-5B	mas-5B	Mast arm mounting vehicle signal faces, side attachment - 5 signal section
MC	mc	Mercury contactor
M/M	m/m	Multiple to multiple transformer
MT	mt	Conduit with pull wire or rope only
MTG	mtg	Mounting
	mv	Mercury vapor lighting fixture
N	N	Neutral (Grounded Conductor)
NC	NC	Normally closed
NO	NO	Normally open
PB	pb	Pull box
PEC	pec	Photoelectric control (Type I, II, III, IV or V as shown)
PED	ped	Pedestrian
PEU	peu	Photoelectric unit
PPB	ppb	Pedestrian push button
RL		Relocated equipment
RM	rm	Ramp metering
SB	sb	Slip base
SIC	sic	Signal interconnect cable
SIG	sig	Signal
SMA	sma	Signal mast arm
SNS	sns	Street name sign
SP	sp	Service point
TDC	tdc	Telephone demarcation cabinet
TMS	tms	Traffic monitoring station
TOS	tos	Traffic Operations System
VEH	veh	Vehicle
XFMR	xfmr	Transformer
COMM	comm	Communication
RWIS	rwis	Roadway weather information system

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SCI	237	1.0/4.0	51	61

REGISTERED ELECTRICAL ENGINEER
 No. E14512
 Exp. 6-30-08
 STATE OF CALIFORNIA

October 5, 2007
 PLANS APPROVAL DATE

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

To accompany plans dated 1-10-11

SOFFIT AND WALL MOUNTED LUMINAIRES

- Pendant, 70 W HPS unless otherwise specified.
- Flush, 70 W HPS unless otherwise specified.
- Wall surface, 70 W HPS unless otherwise specified.
- Existing soffit or wall luminaire to remain unmodified.
- Existing soffit or wall luminaire to be modified as specified.

NOTE:

Arrow indicates "street side" of luminaire.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (SYMBOLS AND ABBREVIATIONS)

NO SCALE

RSP ES-1A DATED OCTOBER 5, 2007 SUPERSEDES STANDARD PLAN ES-1A
DATED MAY 1, 2006 - PAGE 400 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP ES-1A

2006 REVISED STANDARD PLAN RSP ES-1A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SCI	237	1.0/4.0	52	61

Jeffery G. McRae
 REGISTERED ELECTRICAL ENGINEER
 October 5, 2007
 PLANS APPROVAL DATE
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REGISTERED PROFESSIONAL ENGINEER
 Jeffrey G. McRae
 No. E14512
 Exp. 6-30-08
 ELECTRICAL
 STATE OF CALIFORNIA

To accompany plans dated 1-10-11

CONDUIT

PROPOSED	EXISTING	
---	---	Lighting Conduit, unless otherwise indicated or noted
---	---	Traffic signal conduit
-C-	-c-	Communication conduit
-T-	-t-	Telephone conduit
-F-	-f-	Fire alarm conduit
-FO-	-fo-	Fiber optic conduit
---	---	Conduit termination
		Conduit riser in/on structure or service pole

SIGNAL EQUIPMENT

PROPOSED	EXISTING	
		Pedestrian signal face
		Pedestrian push button post
		Pedestrian barricade
		Vehicle signal face (with backplate, 3-Section: red, yellow and green)
		Vehicle signal face with angle visors
		Modifications of basic symbols: "L" Indicates all non-arrow sections lowered "LG" Indicates lowered green section only "PV" Indicates 12" programmed visibility sections "8" indicates all 8" sections (only when specified)
		Type 15TS and Vehicle signal face
		Vehicle signal face with red, yellow and green left arrow sections
		Vehicle signal face with red and yellow sections and up green arrow
		Vehicle signal face (5 Section) with red, yellow and green sections and yellow and green right arrows
		Type 1 Standard and attached vehicle signal faces
		Standard with signal mast arm only and attached vehicle signal faces and internally illuminated street name sign
		Type 33 Standard, Left-turn vehicle signal face and sign
		Standard with luminaire and signal mast arms and attached vehicle signal faces
		Cantilever flashing beacon Type 9 Frame, with a sign unless otherwise specified or indicated
		Type 15-FBS Standard with two vehicle signal face sections with lens, backplate and visor with a sign
		Flashing beacon. One vehicle signal face section with lens, backplate and visor. "R" indicates red indication, "Y" indicates yellow indication
		Controller assembly. Door indicates front of cabinet

SIGNAL EQUIPMENT Cont

PROPOSED	EXISTING	
		Guard post
		Type 1 Standard with "Meter On" sign
		Emergency Vehicle detector

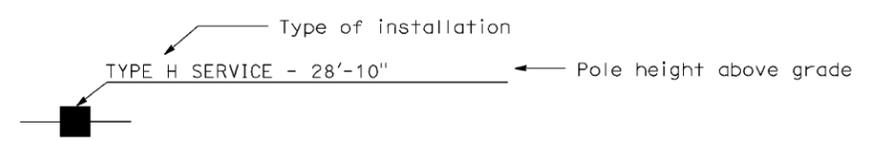
NOTES:

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

SERVICE EQUIPMENT

PROPOSED	EXISTING	
---OH	---oh	Overhead lines
		Wood pole "U" indicates utility owned
		Pole guy with anchor
		Utility transformer - ground mounted
		Service equipment enclosure type
		Service equipment enclosure door indicates front of enclosure
		Telephone demarcation cabinet

POLE-MOUNTED SERVICE DESIGNATION



ILLUMINATED OVERHEAD SIGN

PROPOSED	EXISTING	
		Overhead sign - Single post
		Overhead sign - Two post
		Overhead sign - Mounted on structure
		Overhead sign with electrolier

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**ELECTRICAL SYSTEMS
 (SYMBOLS AND ABBREVIATIONS)**
 NO SCALE

RSP ES-1B DATED OCTOBER 5, 2007 SUPERCEDES STANDARD PLAN ES-1B
 DATED MAY 1, 2006 - PAGE 401 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP ES-1B

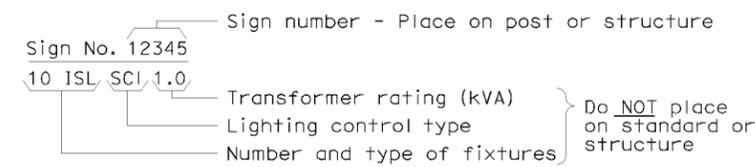
2006 REVISED STANDARD PLAN RSP ES-1B

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SCI	237	1.0/4.0	53	61

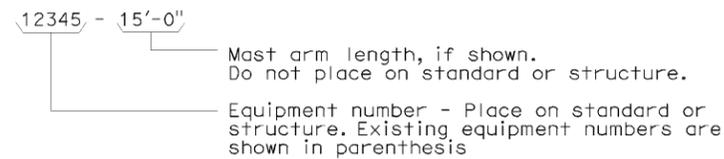
Signature: *Jeffery G. McRae*
 REGISTERED ELECTRICAL ENGINEER
 October 5, 2007
 PLANS APPROVAL DATE
 No. E14512
 Exp. 6-30-08
 ELECTRICAL
 STATE OF CALIFORNIA

EQUIPMENT IDENTIFICATION

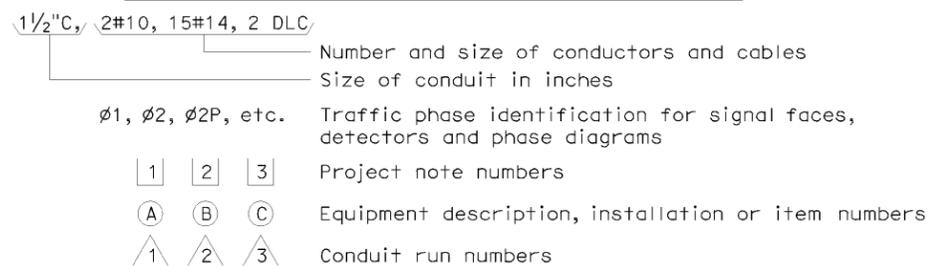
ILLUMINATED SIGN IDENTIFICATION NUMBER:



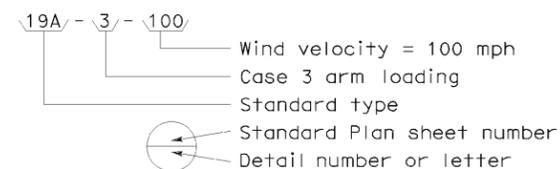
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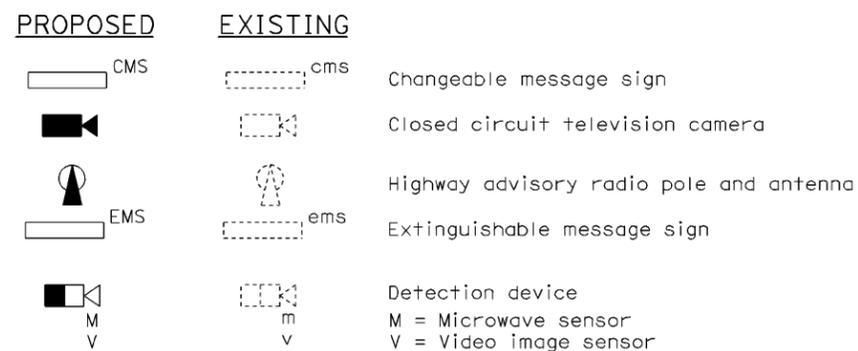
CONDUIT AND CONDUCTOR IDENTIFICATION:



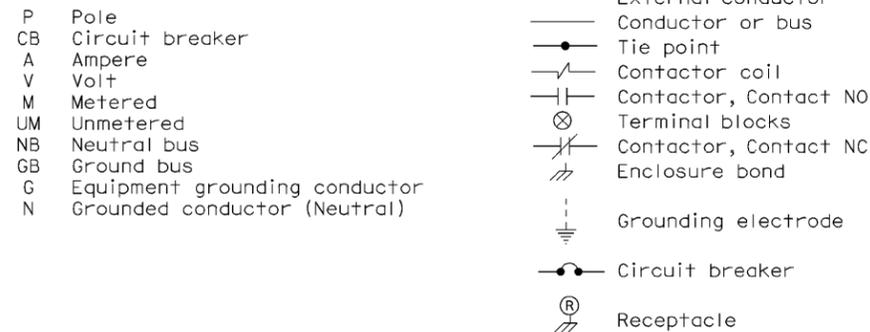
SIGNAL AND LIGHTING STANDARD (TYPICAL DESIGNATION):



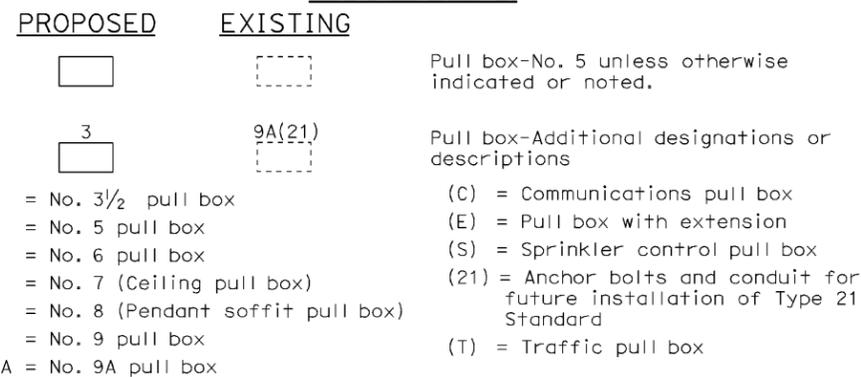
MISCELLANEOUS EQUIPMENT



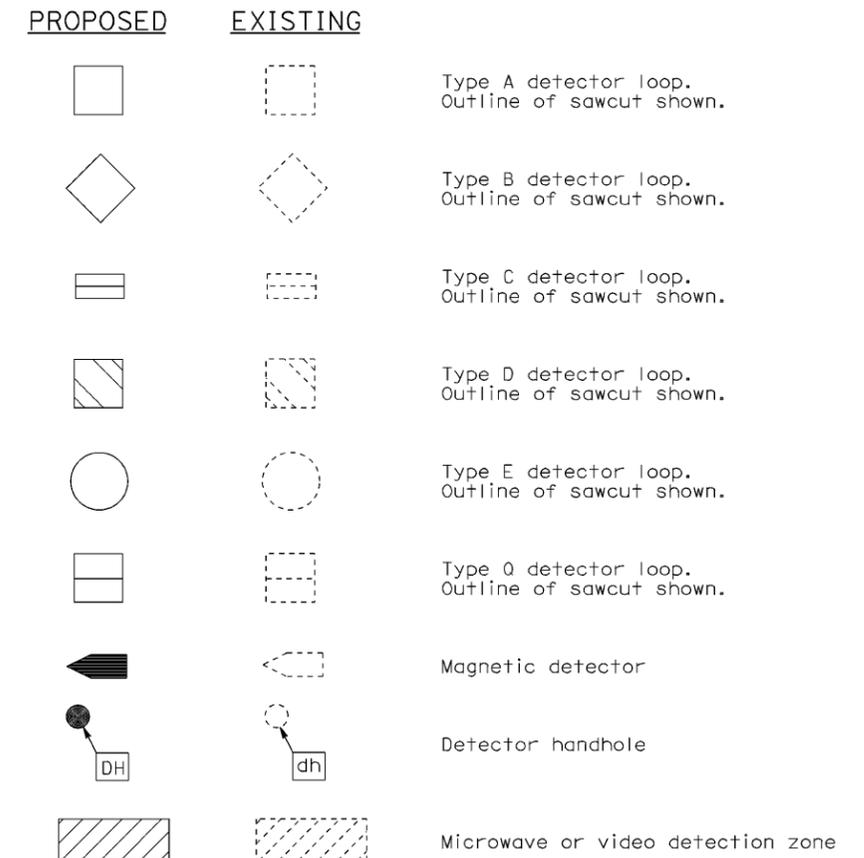
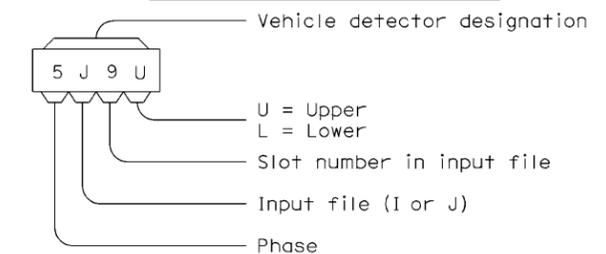
WIRING DIAGRAM LEGEND



PULL BOXES



VEHICLE DETECTORS



STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (SYMBOLS AND ABBREVIATIONS)

NO SCALE

RSP ES-1C DATED OCTOBER 5, 2007 SUPERCEDES STANDARD PLAN ES-1C
DATED MAY 1, 2006 - PAGE 402 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP ES-1C

2006 REVISED STANDARD PLAN RSP ES-1C

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SCI	237	1.0/4.0	54	61

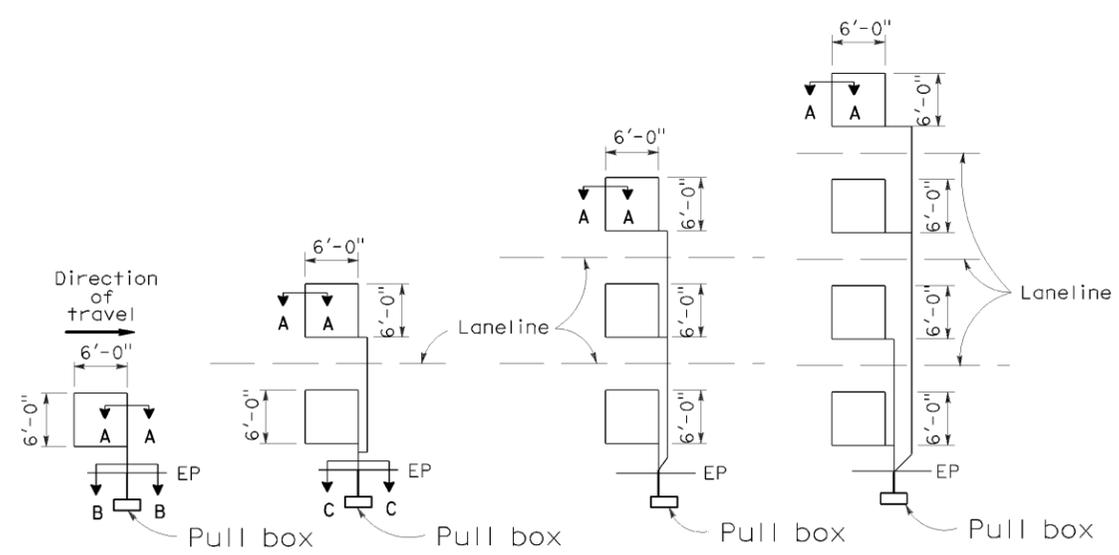
Registered Electrical Engineer
 Jeffery G. McRae
 No. E14512
 Exp. 6-30-08
 ELECTRICAL
 STATE OF CALIFORNIA

October 5, 2007
 PLANS APPROVAL DATE
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 1-10-11

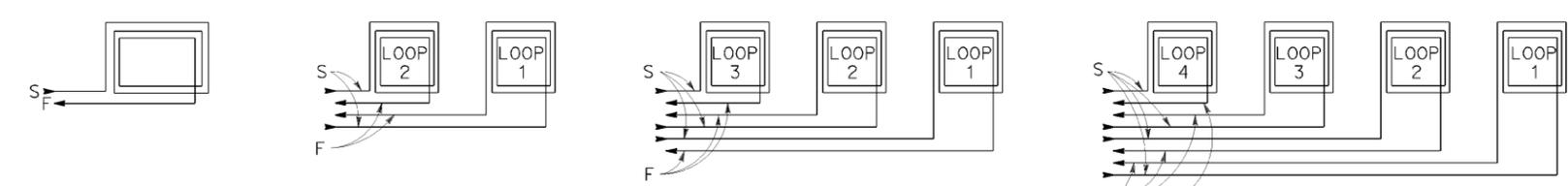
LOOP INSTALLATION PROCEDURE

1. Loops shall be centered in lanes.
2. Saw slots in pavement for loop conductors as shown in details.
3. Distance between side of loop and a lead-in saw cut from adjacent detectors shall be 2'-0" minimum. Distance between lead-in saw cuts shall be 6" minimum.
4. Bottom of saw slot shall be smooth with no sharp edges.
5. Slots shall be washed until clean, blown out and thoroughly dried before installing loop conductors.
6. Adjacent loops on the same sensor unit channel shall be wound in opposite directions.
7. Identify and tag loop circuit pairs in the pull box with loop number, start (S) and finish (F) of conductor. Identify and tag lead-in-cable with sensor number and phase.
8. Install loop conductor in slot using a 3/16" to 1/4" thick wood paddle. Hold loop conductors with wood paddles (at the bottom of the sawed slot) during sealant placement.
9. No more than 2 twisted pairs shall be installed in one sawed slot.
10. Allow additional 5'-0" of slack length of conductor for the lead-in run to pull box.
11. The additional length of each conductor for each loop shall be twisted together into a pair (6 turns per 3'-4" minimum) before being placed in the slot and conduit leading to pull box.
12. Test each loop circuit for continuity, circuit resistance and insulation resistance at the pull box before filling slots.
13. Fill slots as shown in details.
14. Splice loop conductors to lead-in-cable. Splices shall be soldered.
15. End of lead-in-cable and Type 2 loop conductor shall be waterproofed prior to installing in conduit to prevent moisture from entering the cable.
16. Lead-in-cable shall not be spliced between the pull box and the controller cabinet terminals.
17. Test each loop circuit for continuity, circuit resistance and insulation resistance at the controller cabinet location.
18. Where loop conductors are not to be spliced to a lead-in-cable, the ends of the conductors shall be taped and waterproofed with electrical insulating coating.



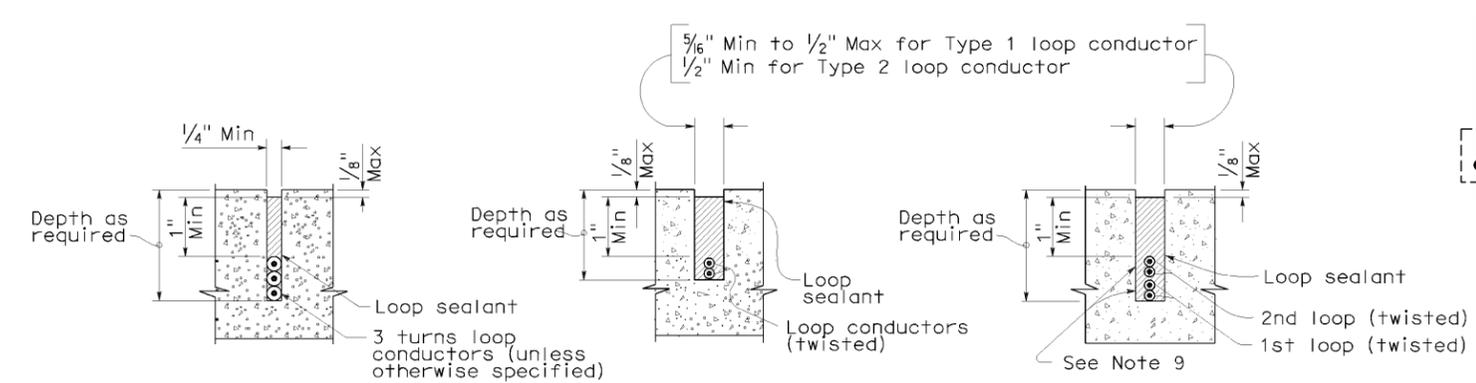
TYPE 1A INSTALLATION TYPE 2A INSTALLATION TYPE 3A INSTALLATION TYPE 4A INSTALLATION
 SAWCUT DETAILS

- (Type A loop detector configurations illustrated)
1. 1A thru 4A = 1 Type A loop configuration in each lane.
 2. 1B thru 4B = 1 Type B loop configuration in each lane.
 3. 1C = 1 Type C loop configuration entering lanes as required.
 4. 1D thru 4D = 1 Type D loop configuration in each lane.
 5. 1E thru 4E = 1 Type E loop configuration in each lane.
 6. 1Q thru 4Q = 1 Type Q loop configuration in each lane.
- (Use Type A, B, C, D, E or Q loop detector configurations only when specified or shown on plans)

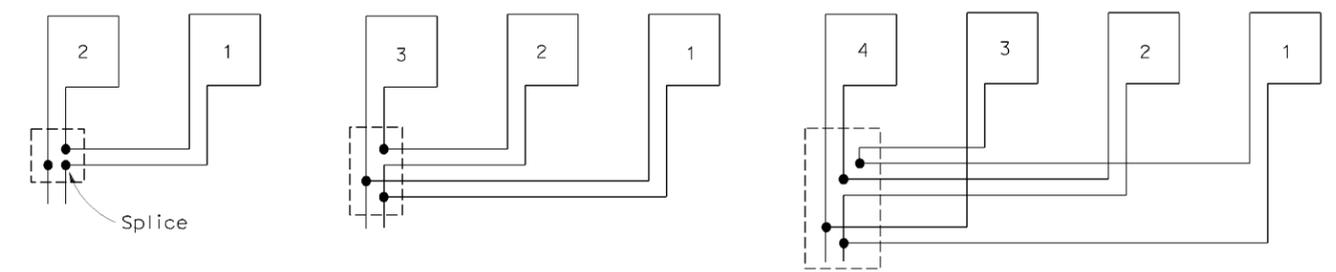


WINDING DETAILS

See Notes 6 and 7



SECTION A-A SECTION B-B SECTION C-C
 SLOT DETAILS - TYPE 1 AND TYPE 2 LOOP CONDUCTOR



TYPICAL LOOP CONNECTIONS
 (Dashed lines represent the pull box)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (DETECTORS)

NO SCALE

RSP ES-5A DATED OCTOBER 5, 2007 SUPERCEDES STANDARD PLAN ES-5A DATED MAY 1, 2006 - PAGE 423 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP ES-5A

2006 REVISED STANDARD PLAN RSP ES-5A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SCI	237	1.0/4.0	55	61

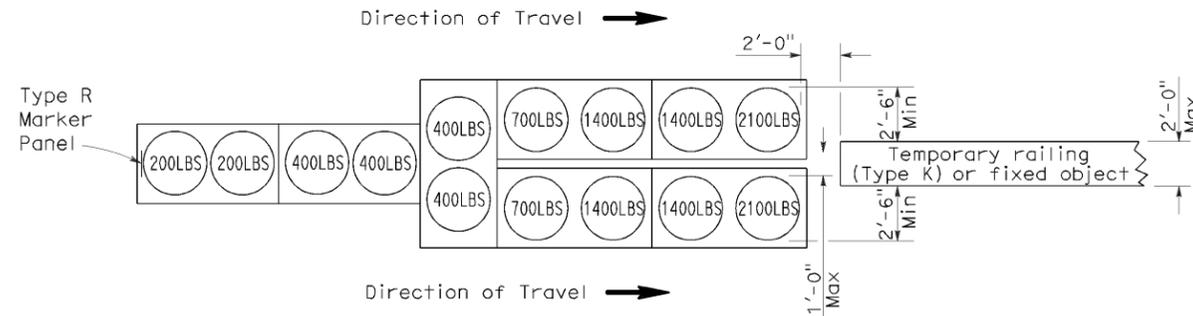
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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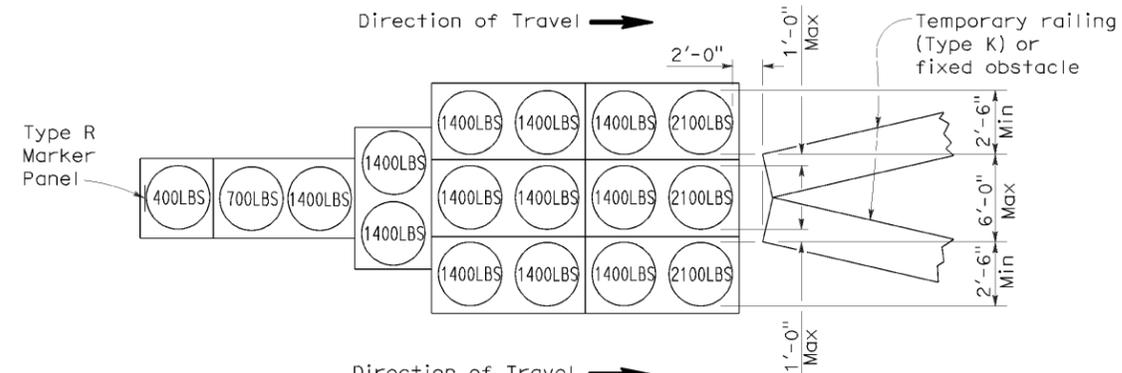
REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

To accompany plans dated 1-10-11



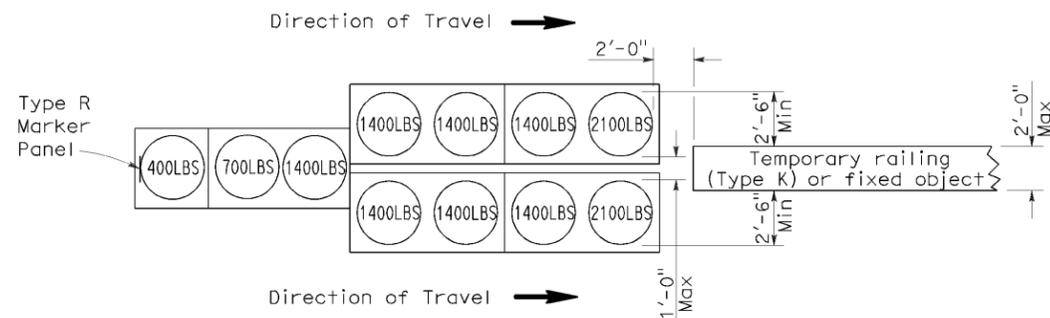
ARRAY 'TU14'

Approach speed 45 mph or more



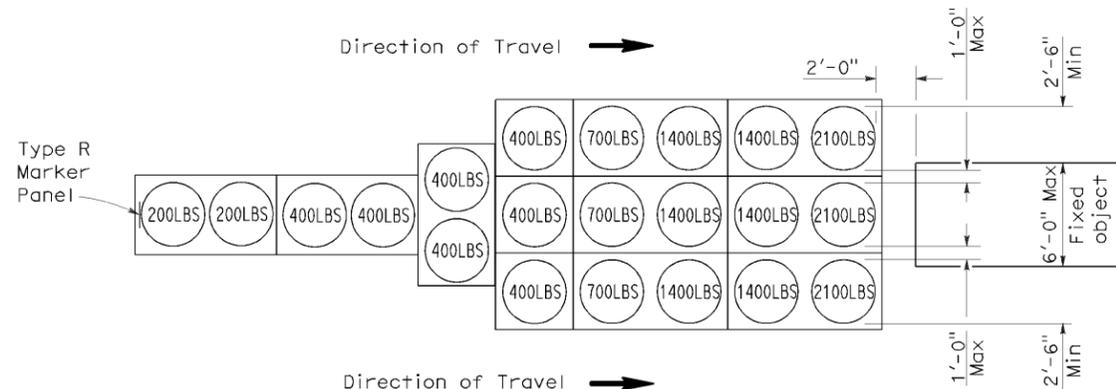
ARRAY 'TU17'

Approach speed less than 45 mph



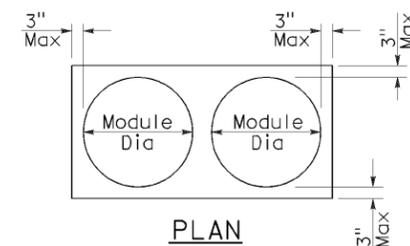
ARRAY 'TU11'

Approach speed less than 45 mph

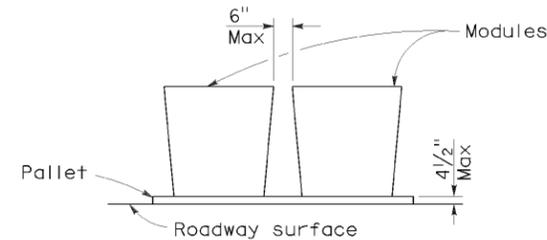


ARRAY 'TU21'

Approach speed 45 mph or more



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

NO SCALE

RSP T1A DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1A
DATED MAY 1, 2006 - PAGE 211 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T1A

2006 REVISED STANDARD PLAN RSP T1A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SCI	237	1.0/4.0	56	61

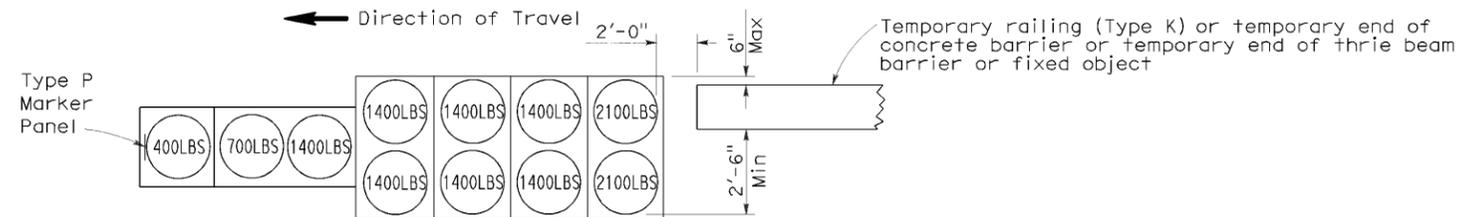
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

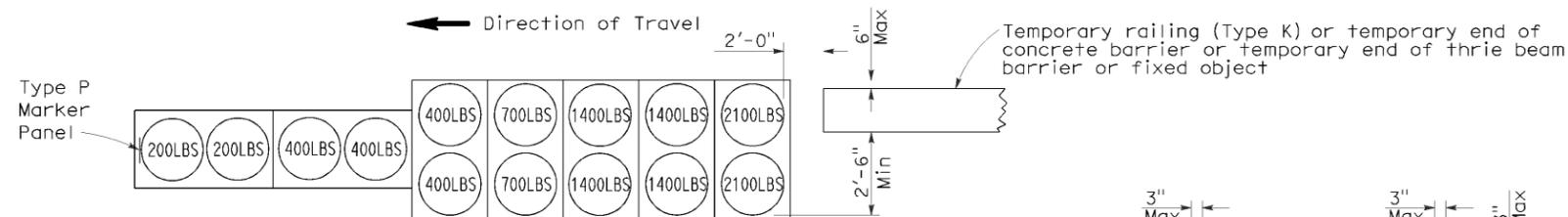
To accompany plans dated 1-10-11



Direction of Travel ←

Direction of Travel →

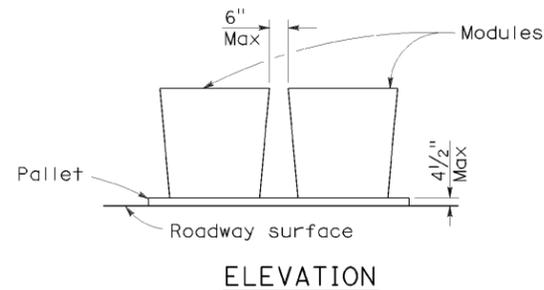
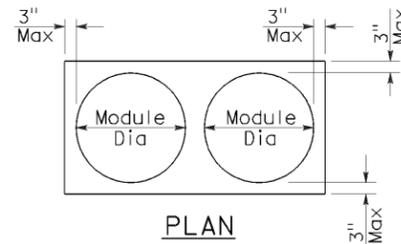
ARRAY 'TB11'
Approach speed less than 45 mph



Direction of Travel ←

Direction of Travel →

ARRAY 'TB14'
Approach speed 45 mph or more



CRASH CUSHION PALLET DETAIL
See Note 7

NOTES:

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

NO SCALE

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

REVISED STANDARD PLAN RSP T1B

2006 REVISED STANDARD PLAN RSP T1B

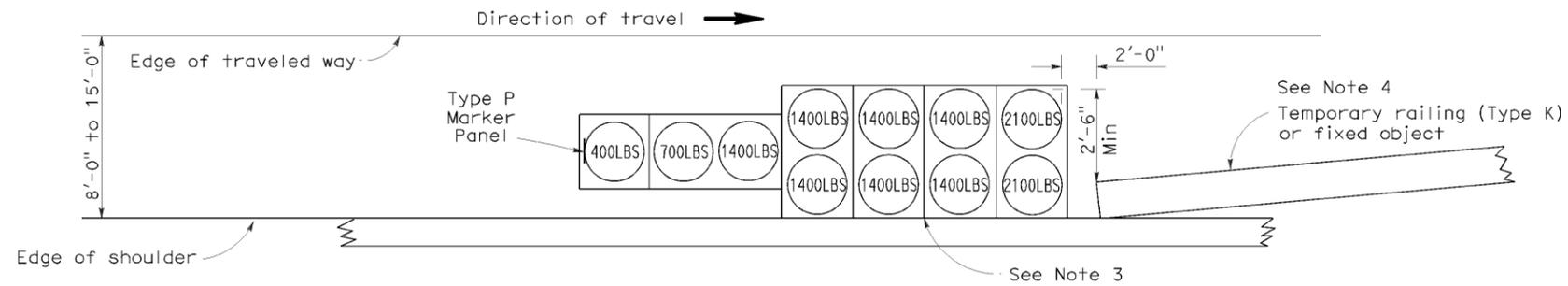
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SCI	237	1.0/4.0	57	61

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

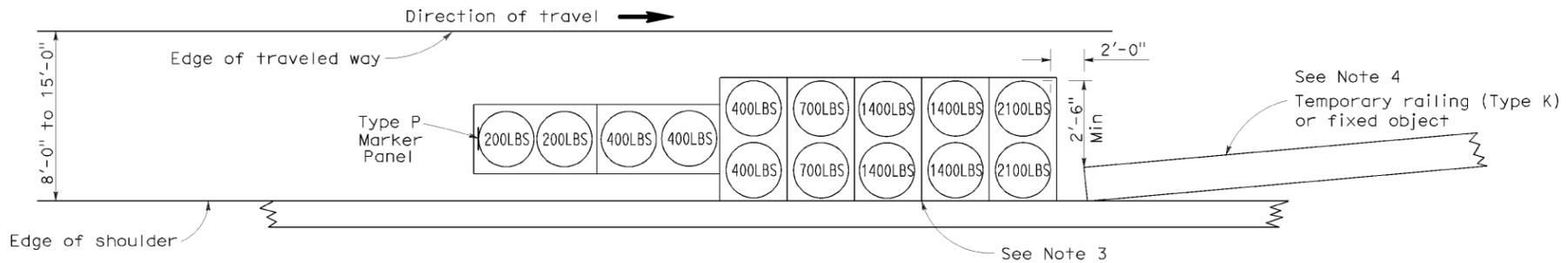
June 6, 2008
PLANS APPROVAL DATE

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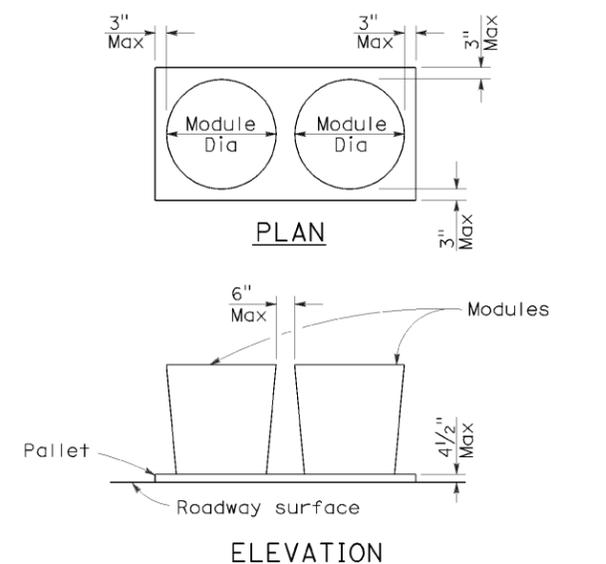
To accompany plans dated 1-10-11



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



ARRAY 'TS14'
Approach speed 45 mph or more
See Note 9



CRASH CUSHION PALLET DETAIL
See Note 11

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. The temporary crash cushion arrays shown on this plan shall be used only in locations where there will be traffic on one side of the temporary crash cushion array.
4. If the fixed object or approach end of the temporary railing is less than 15'-0" from the edge of traveled way, a temporary crash cushion is required in a construction or work zone.
5. Temporary crash cushion arrays shall not encroach on the traveled way.
6. Arrays for median shoulders shall conform to details shown on this plan for outside shoulders.
7. Place the Type P marker panel so that the bottom of the panel rests upon the pallet and faces traffic.
8. Refer to Standard Plan A73B for marker details.
9. For shoulder widths less than 8'-0", appropriate approved crash cushion protection, other than sand filled modules, shall be provided at fixed objects and at approach ends of temporary railing. The specific type of crash cushion shall be as shown on the project plans or as specified in the Special Provisions, or if not shown on the project plans or specified in the Special Provisions, shall be as approved by the Engineer.
10. Approach speeds indicated conform to NCHRP 350 Report criteria.
11. Use of pallets is optional.

2006 REVISED STANDARD PLAN RSP T2

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**TEMPORARY CRASH CUSHION,
SAND FILLED
(SHOULDER INSTALLATIONS)**
NO SCALE

RSP T2 DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T2
DATED MAY 1, 2006 - PAGE 213 OF THE STANDARD PLANS BOOK DATED MAY 2006.

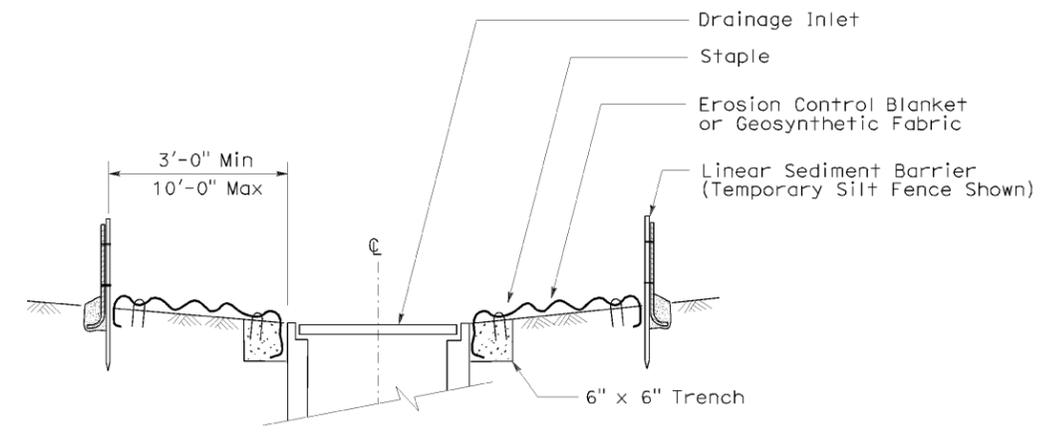
REVISED STANDARD PLAN RSP T2

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SCI	237	1.0/4.0	58	61

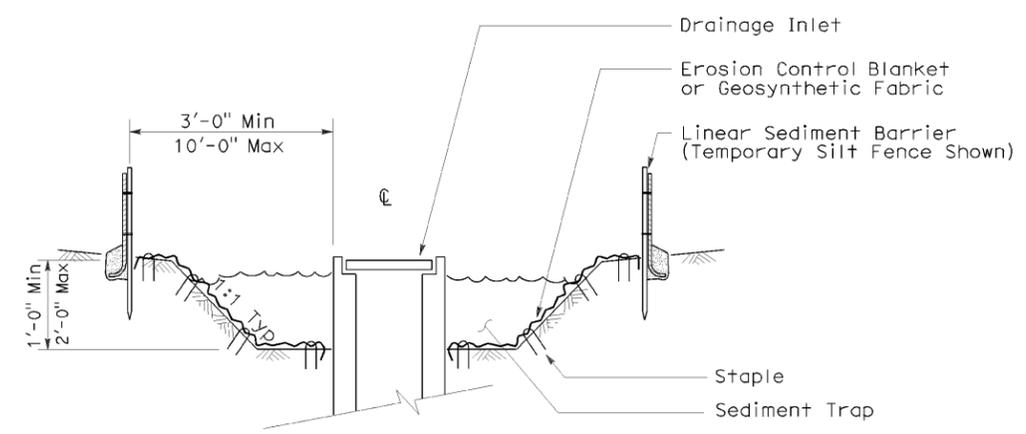
Robert B. Schmitt
 LICENSED LANDSCAPE ARCHITECT
 August 15, 2008
 PLANS Approval DATE
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To accompany plans dated 1-10-11

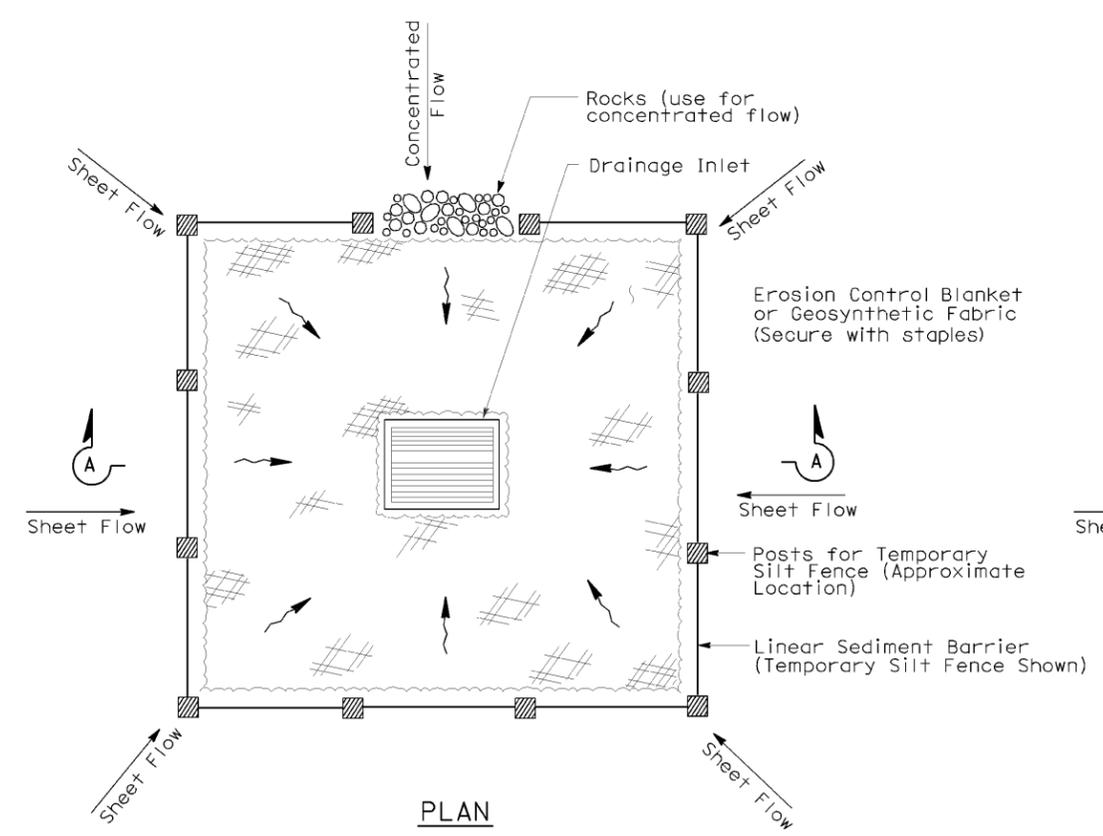
- NOTES:**
1. See Standard Plan T51 for Temporary Silt Fence.
 2. Dimensions may vary to fit field conditions.



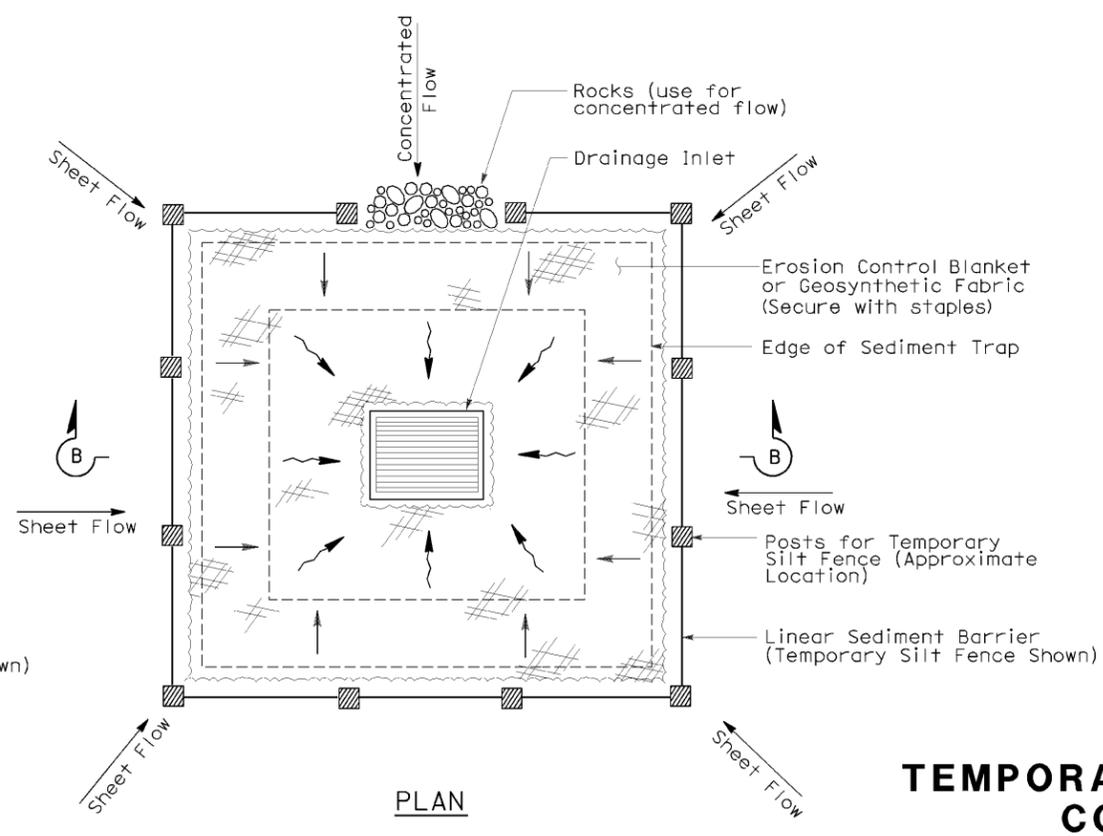
SECTION A-A



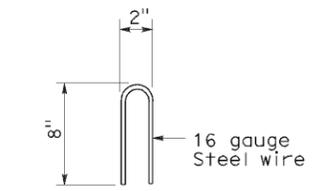
SECTION B-B



TEMPORARY DRAINAGE INLET PROTECTION (TYPE 1)



TEMPORARY DRAINAGE INLET PROTECTION (TYPE 2) (EXCAVATED SEDIMENT TRAP)



STAPLE DETAIL

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY DRAINAGE INLET PROTECTION)
 NO SCALE

Nsp t61 dated august 15, 2008 supplements the standard plans book dated may 2006.

2006 NEW STANDARD PLAN NSP T61

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SCI	237	1.0/4.0	59	61

Robert B. Schmitt
LICENSED LANDSCAPE ARCHITECT

August 15, 2008
PLANS APPROVAL DATE

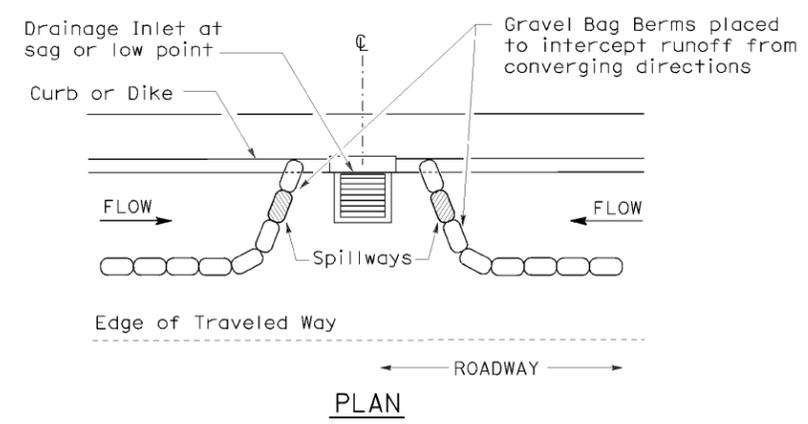
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To accompany plans dated 1-10-11

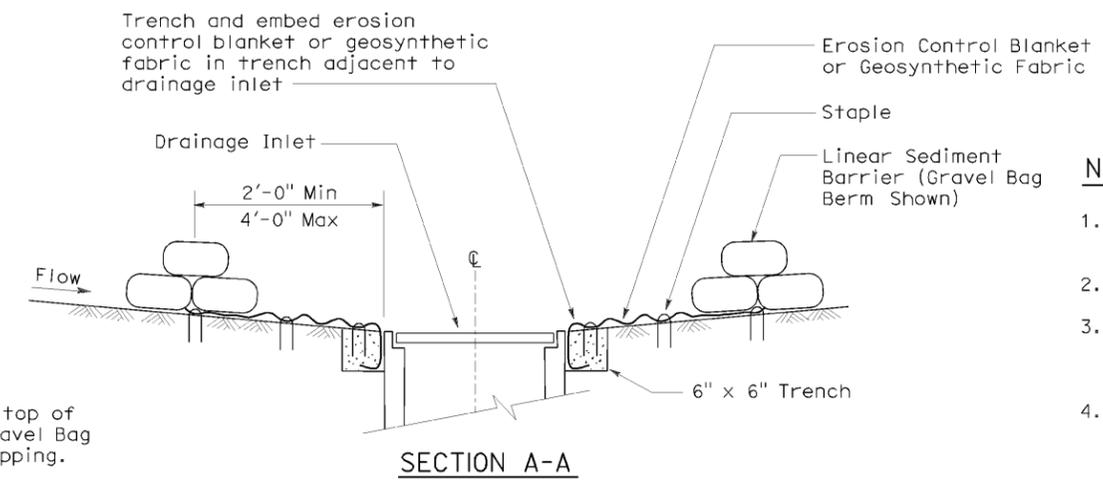
GRAVEL BAG BERM (TYPE 3A) SPACING TABLE

SLOPE OF ROADWAY (PERCENT)	1 to 3.9	4 to 5.9	6 to 7.9	8 to 10	10+
INTERVAL BETWEEN BERM	100'	75'	50'	25'	12'

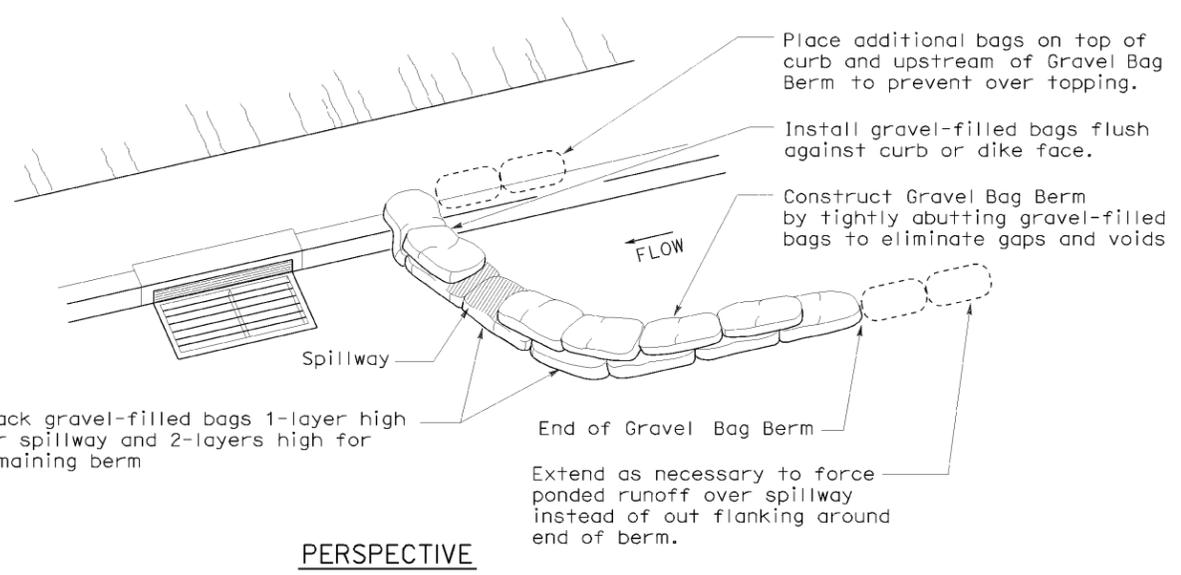
For slope of less than 1%, install barriers only if erosion/sediment is prevalent



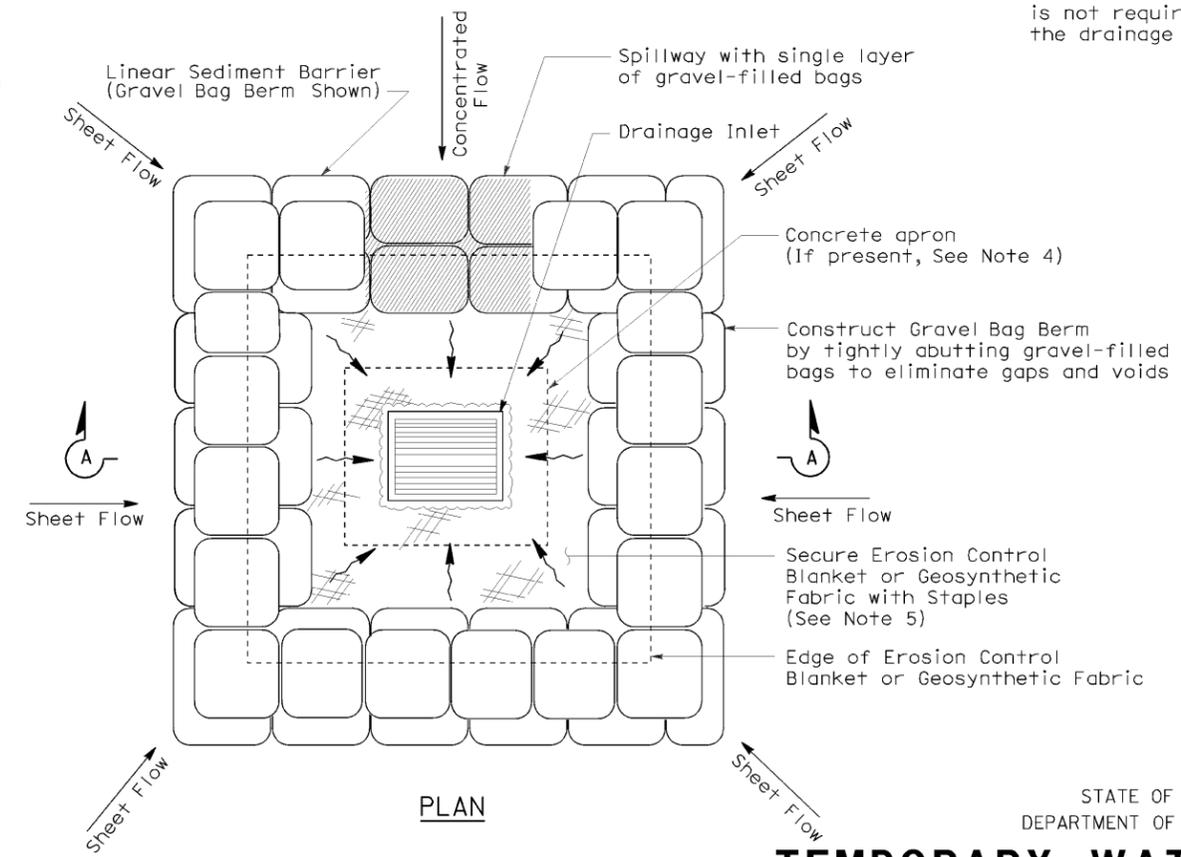
PLAN
CONFIGURATION FOR SAG POINT INLET
(GRAVEL BAG BERM)



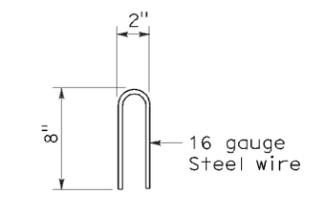
SECTION A-A



PERSPECTIVE

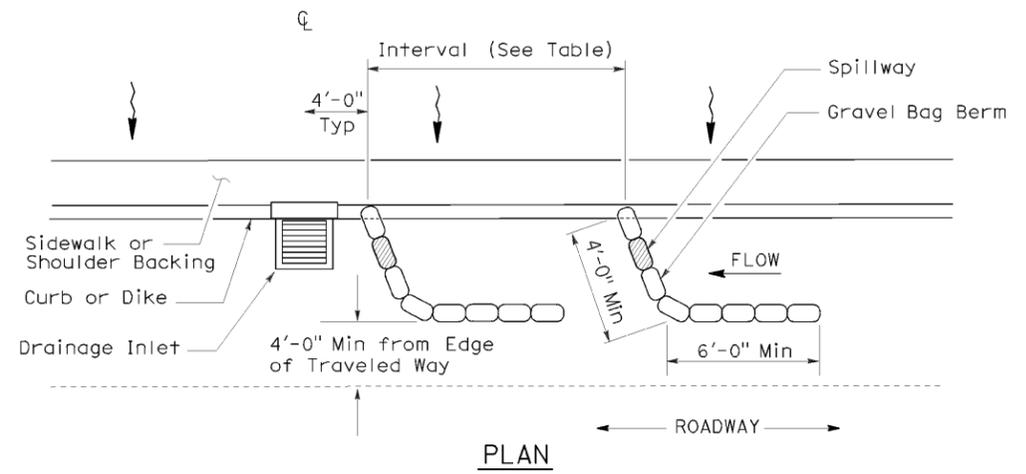


PLAN
TEMPORARY DRAINAGE
INLET PROTECTION (TYPE 3B)



STAPLE DETAIL

- NOTES:**
1. Place safety cones adjacent to drainage inlet protection.
 2. Dimensions may vary to fit field conditions.
 3. Install a minimum of 3 gravel bag berms upstream of each drainage inlet to be protected.
 4. Position erosion control blanket or geosynthetic fabric at edge of concrete apron and secure in trench.
 5. Erosion control blanket or geosynthetic fabric is not required if the area adjacent to the drainage inlet is vegetated or paved.



PLAN
TEMPORARY DRAINAGE
INLET PROTECTION (TYPE 3A)
(GRAVEL BAG BERM)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
TEMPORARY WATER POLLUTION
CONTROL DETAILS
(TEMPORARY DRAINAGE
INLET PROTECTION)

NO SCALE
NSP T62 DATED AUGUST 15, 2008 SUPPLEMENTS
THE STANDARD PLANS BOOK DATED MAY 2006.

2006 NEW STANDARD PLAN NSP T62

FLEXIBLE SEDIMENT BARRIER SPACING TABLE

SLOPE OF ROADWAY (PERCENT)	0 to 0.9	1 to 1.9	2 to 2.9	3 to 4	5+
INTERVAL BETWEEN BARRIERS	50'	35'	30'	25'	20'
ANGLE FROM FACE OF CURB	70°	70°	70°	45°	45°
SUGGESTED BARRIER LENGTH	6'	6'	6'	6'	6'

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SCI	237	1.0/4.0	60	61

Robert B. Schmitt
LICENSED LANDSCAPE ARCHITECT

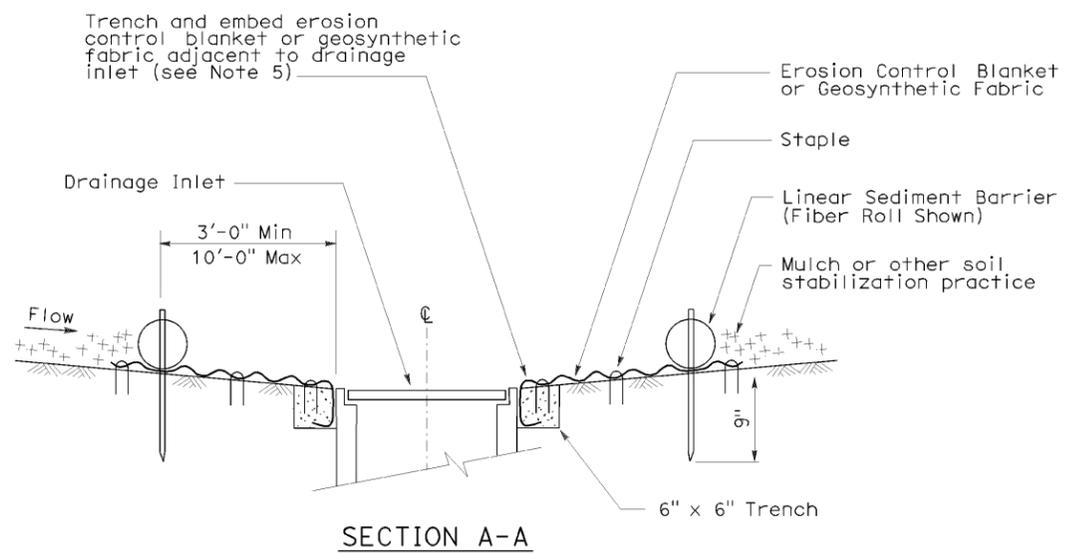
August 15, 2008
PLANS APPROVAL DATE

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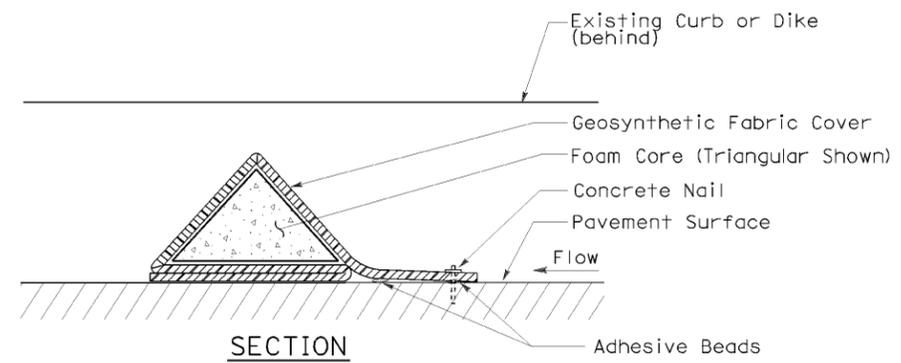
To accompany plans dated 1-10-11

NOTES:

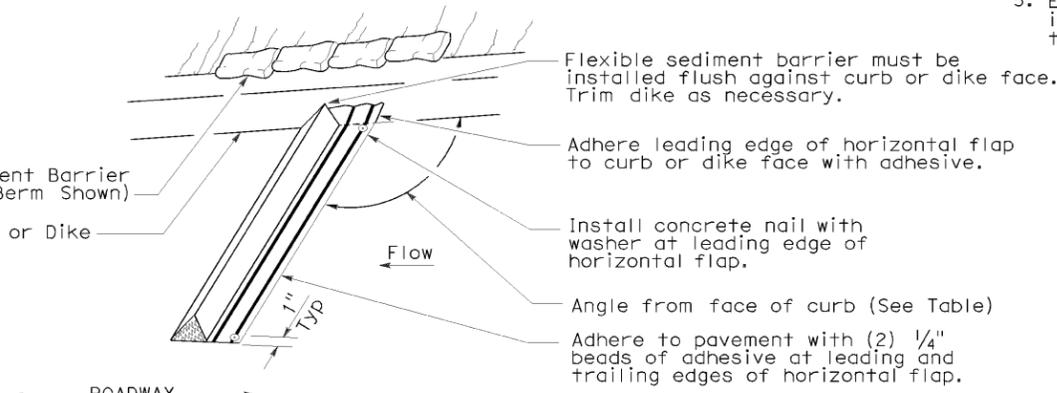
- See Standard Plan T51 for Temporary Silt Fence.
- Dimensions may vary to fit field conditions.
- Install a minimum of 3 flexible sediment barriers upstream of each drainage inlet to be protected.
- Position erosion control blanket or geosynthetic fabric at edge of concrete apron and secure in trench.
- Erosion control blanket or geosynthetic fabric is not required if the area adjacent to the drainage inlet is vegetated.



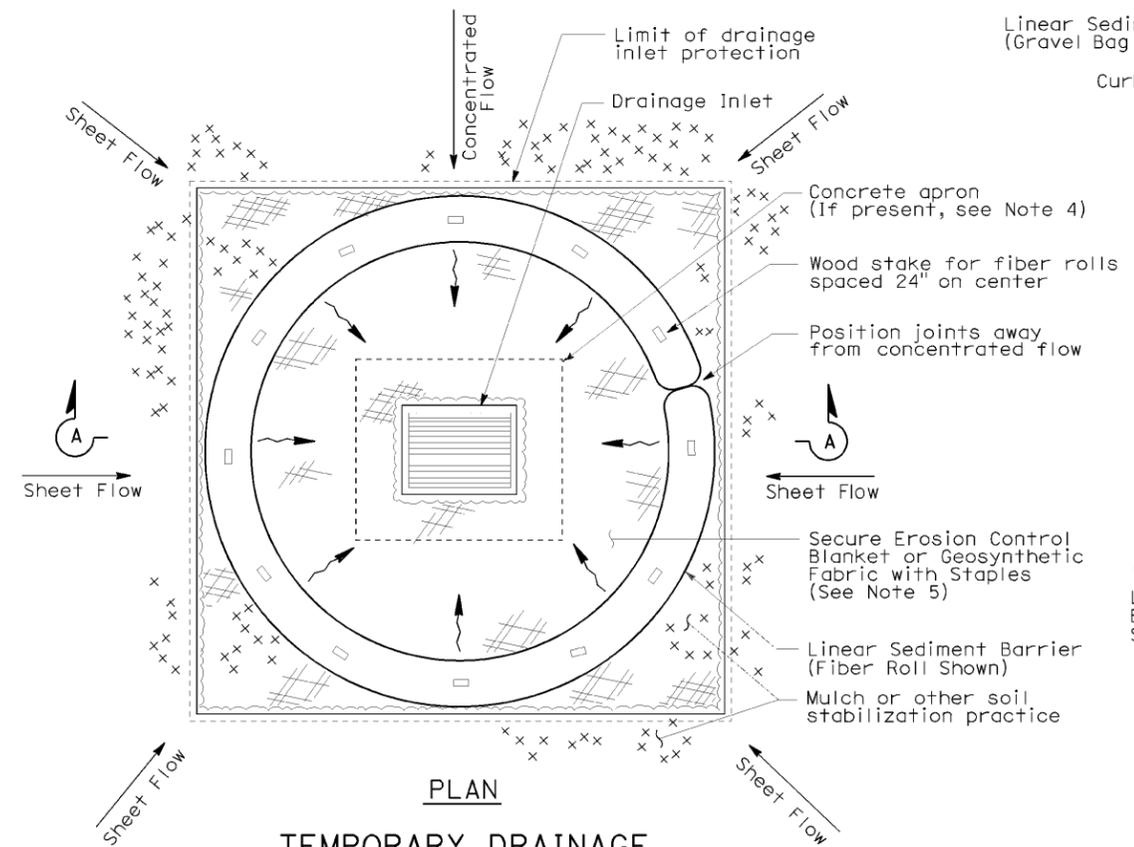
SECTION A-A



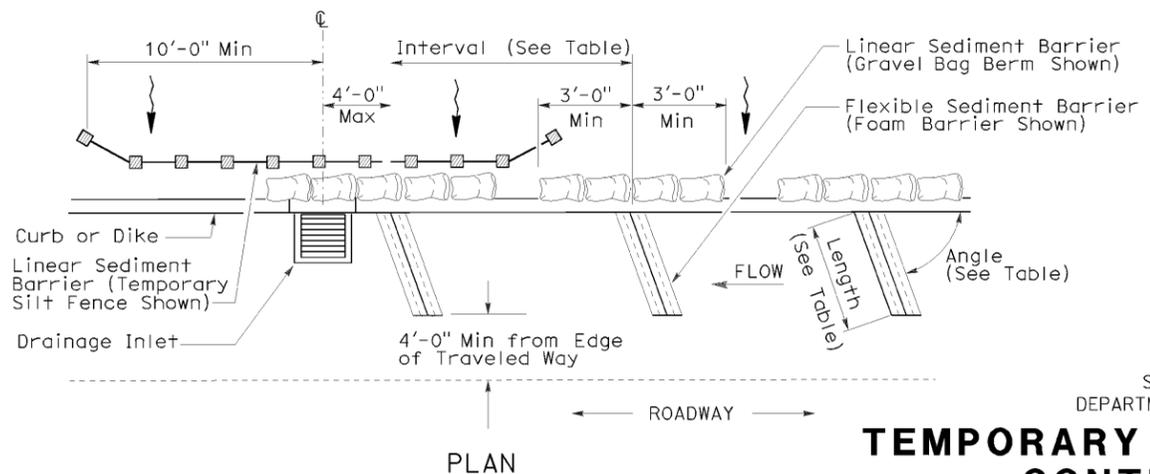
SECTION
FLEXIBLE SEDIMENT BARRIER DETAIL
(FOAM BARRIER SHOWN)



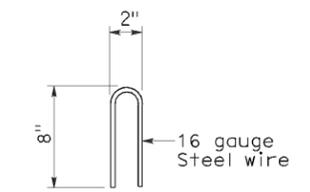
PERSPECTIVE



PLAN
TEMPORARY DRAINAGE
INLET PROTECTION (TYPE 4A)



PLAN
TEMPORARY DRAINAGE
INLET PROTECTION (TYPE 4B)
FLEXIBLE SEDIMENT BARRIER



STAPLE DETAIL

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**TEMPORARY WATER POLLUTION
CONTROL DETAILS
(TEMPORARY DRAINAGE
INLET PROTECTION)**

NO SCALE
NSP T63 DATED AUGUST 15, 2008 SUPPLEMENTS
THE STANDARD PLANS BOOK DATED MAY 2006.

NEW STANDARD PLAN NSP T63

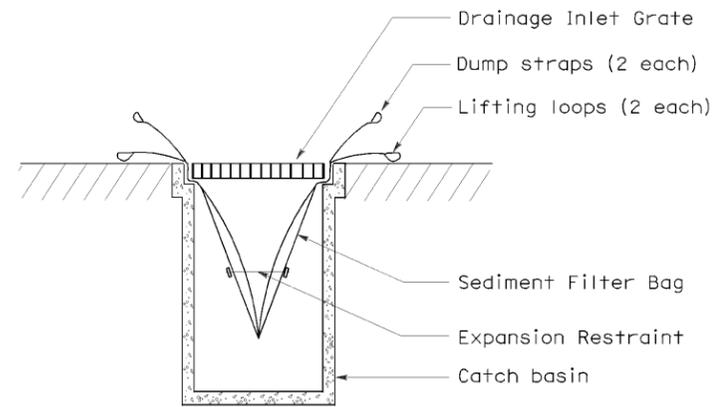
2006 NEW STANDARD PLAN NSP T63

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SCI	237	1.0/4.0	61	61

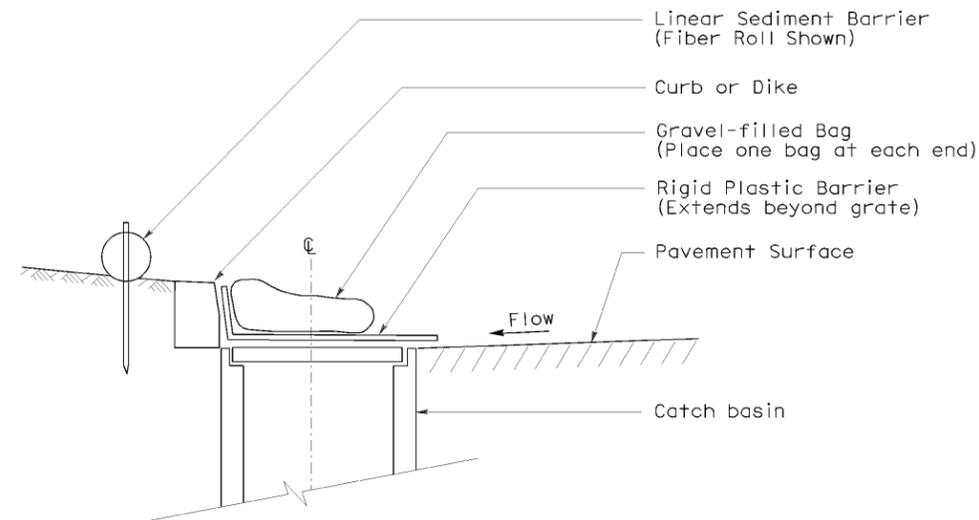
Robert B. Schmitt
 LICENSED LANDSCAPE ARCHITECT
 August 15, 2008
 PLANS APPROVAL DATE
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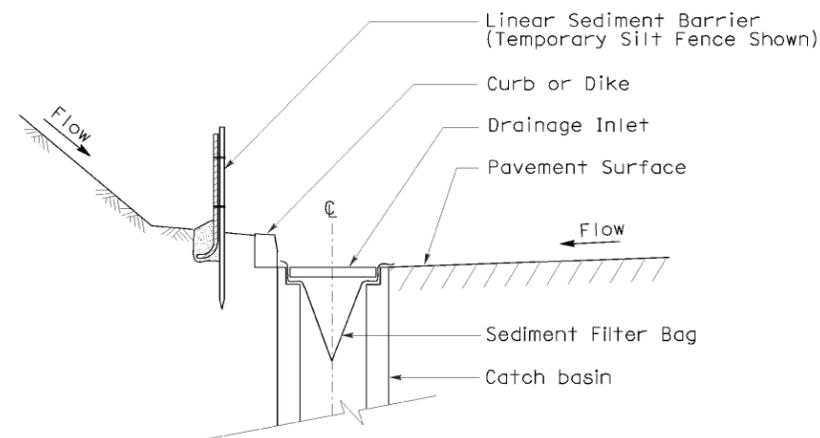
To accompany plans dated 1-10-11



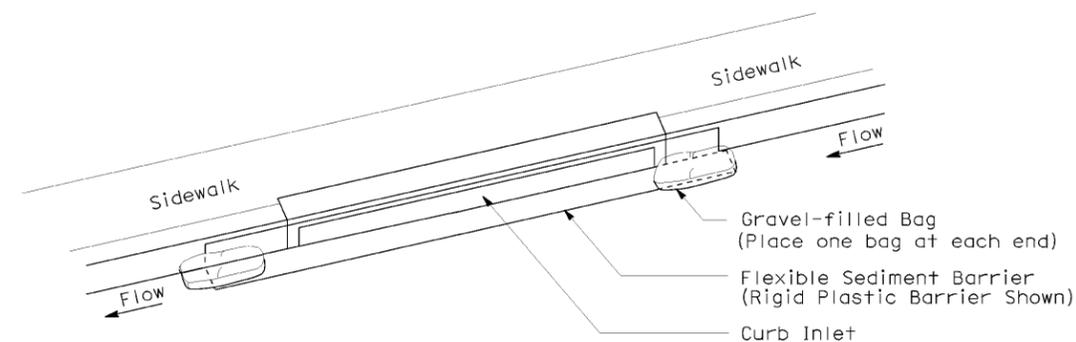
SECTION B-B
SEDIMENT FILTER BAG DETAIL



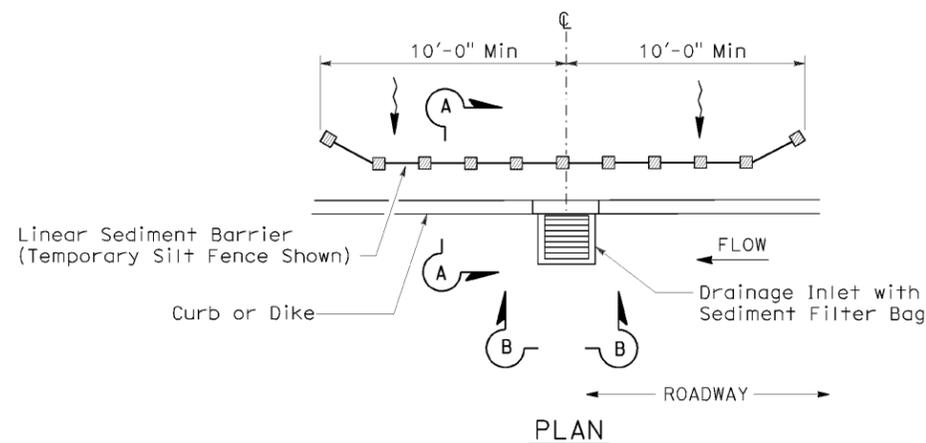
SECTION
TEMPORARY DRAINAGE INLET PROTECTION (TYPE 6A)
(CATCH BASIN WITH GRATE)



SECTION A-A
TEMPORARY DRAINAGE INLET PROTECTION (TYPE 5)
(SEDIMENT FILTER BAG)



PERSPECTIVE
TEMPORARY DRAINAGE INLET PROTECTION (TYPE 6B)
(CURB INLET WITHOUT GRATE)



PLAN
TEMPORARY DRAINAGE INLET PROTECTION (TYPE 5)
(SEDIMENT FILTER BAG)

NOTES:

1. See Standard Plan T51 for Temporary Silt Fence.
2. Dimensions may vary to fit field conditions.

TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY DRAINAGE INLET PROTECTION)

NO SCALE

NSP T64 DATED AUGUST 15, 2008 SUPPLEMENTS THE STANDARD PLANS BOOK DATED MAY 2006.

NEW STANDARD PLAN NSP T64

2006 NEW STANDARD PLAN NSP T64