Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	32.9/39.6	1	52

INDEX OF PLANS

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

STATE OF CALIFORNIA

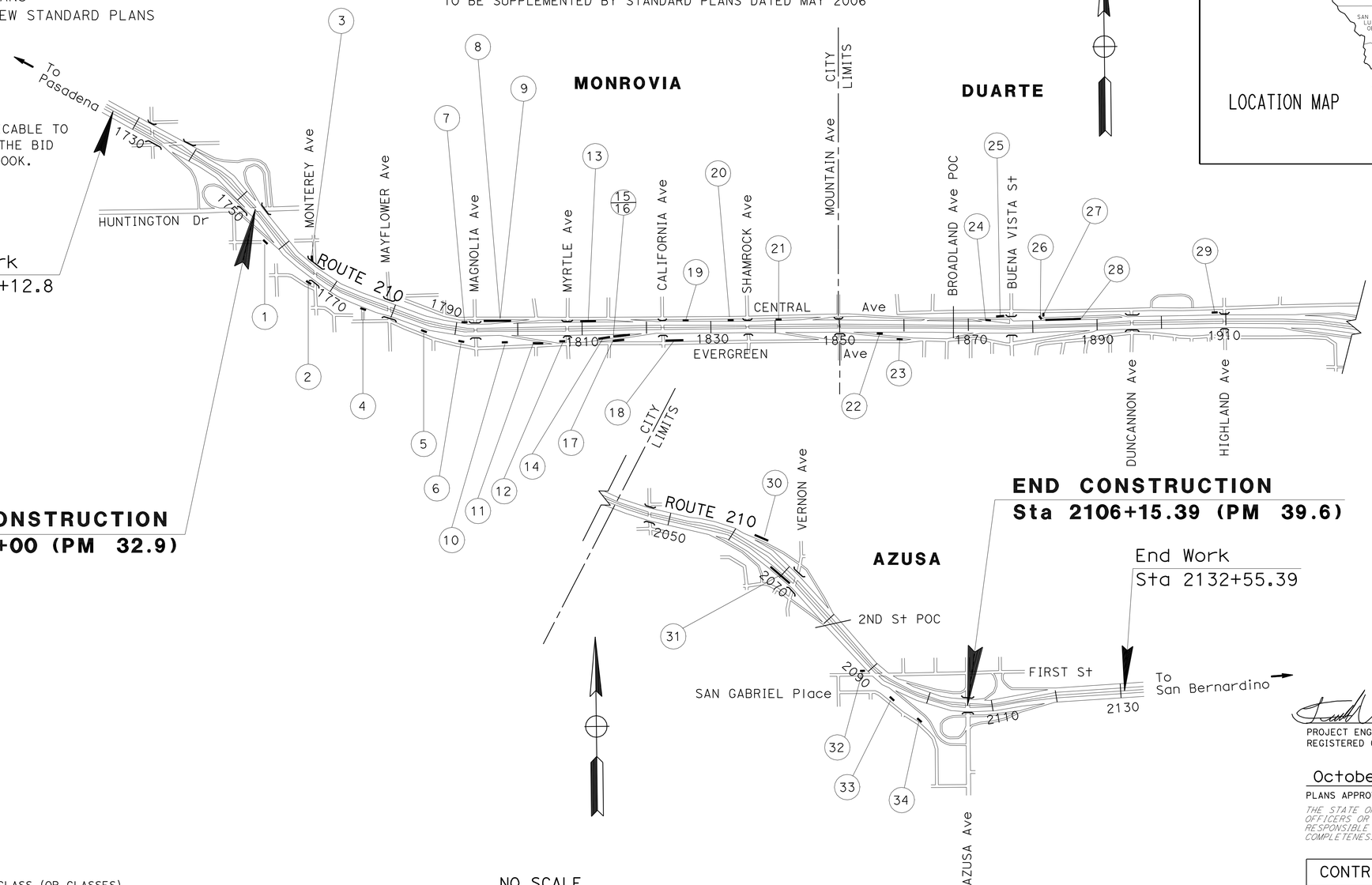
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON

STATE HIGHWAY

IN LOS ANGELES COUNTY
IN MONROVIA, DUARTE, AND AZUSA
AT VARIOUS LOCATIONS FROM
HUNTINGTON DRIVE UNDERCROSSING
TO AZUSA AVENUE UNDERCROSSING

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



NO SCALE

LOCATION MAP

Caltrans

Tim Lee 9-28-11
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

REGISTERED PROFESSIONAL ENGINEER
TIMOTHY LEE
No. C69303
Exp. 6/30/12
CIVIL
STATE OF CALIFORNIA

October 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.

CONTRACT No.	07-267004
PROJECT ID	0700000502

PROJECT MANAGER: DENNIS SNYDER
DESIGN ENGINEER: TIMOTHY LEE

THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE BID BOOK.

LAST REVISION 00-00-00
DATE PLOTTED => 25-OCT-2011
TIME PLOTTED => 14:03

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	32.9/39.6	2	52

9-28-11
REGISTERED CIVIL ENGINEER DATE

10-10-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
TIMOTHY LEE
No. C69303
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.

NOTES:

1. FOR MINOR CONCRETE AND CABLE RAILING LOCATIONS, SEE SHEET C-2.
2. FOR CHAIN LINK GATE LOCATIONS, SEE SHEET C-3.

LOCATIONS OF CONSTRUCTION

Loc No. (#)	COUNTY	CITY	ROUTE	PM	DESCRIPTION
1	LA	MONROVIA	*		AT END OF ALTA St
2	LA	MONROVIA	*		BONITA St 150 FEET WEST OF MONTEREY Ave
3	LA	MONROVIA	*		SB MONTEREY Ave JUST NORTH OF ROUTE 210
4	LA	MONROVIA	*		AT END OF LOMA Ave
5	LA	MONROVIA	*		EVERGREEN Ave 350 FEET EAST OF MAYFLOWER Ave
6	LA	MONROVIA	*		EVERGREEN Ave 350 FEET WEST OF MAGNOLIA Ave
7	LA	MONROVIA	*		CENTRAL Ave 120 FEET WEST OF MAGNOLIA Ave
8	LA	MONROVIA	*		CENTRAL Ave 500 FEET EAST OF MAGNOLIA Ave
9	LA	MONROVIA	210	33.75	MYRTLE WB ON-RAMP
10	LA	MONROVIA	*		EVERGREEN Ave 210 FEET EAST OF MAGNOLIA Ave
11	LA	MONROVIA	210	33.76	MYRTLE EB OFF-RAMP
12	LA	MONROVIA	*		EVERGREEN Ave 170 FEET WEST OF MYRTLE Ave
13	LA	MONROVIA	*		CENTRAL Ave 180 FEET EAST OF MYRTLE Ave
14	LA	MONROVIA	210	34.17	MYRTLE Ave EB ON-RAMP
15	LA	MONROVIA	210	34.17	MYRTLE Ave EB ON-RAMP
16	LA	MONROVIA	210	34.17	MYRTLE Ave EB ON-RAMP
17	LA	MONROVIA	210	34.17	MYRTLE Ave EB ON-RAMP
18	LA	MONROVIA	*		EVERGREEN Ave 60 FEET EAST OF CALIFORNIA Ave
19	LA	MONROVIA	*		CENTRAL Ave 180 FEET EAST OF CALIFORNIA Ave
20	LA	MONROVIA	*		CENTRAL Ave 140 FEET WEST OF SHAMROCK Ave
21	LA	MONROVIA	*		CENTRAL Ave 450 FEET EAST OF SHAMROCK Ave
22	LA	DUARTE	210	34.8	BUENA VISTA St EB OFF-RAMP
23	LA	DUARTE	210	34.8	BUENA VISTA St EB OFF-RAMP
24	LA	DUARTE	210	34.95	BUENA VISTA St WB ON-RAMP
25	LA	DUARTE	210	34.95	BUENA VISTA St WB ON-RAMP
26	LA	DUARTE	210	35.47	BUENA VISTA St WB OFF-RAMP
27	LA	DUARTE	210	35.47	BUENA VISTA St WB OFF-RAMP
28	LA	DUARTE	210	35.47	BUENA VISTA St WB OFF-RAMP
29	LA	DUARTE	*		CENTRAL Ave 360 FEET WEST OF HIGHLAND Ave
30	LA	AZUSA	210	38.78	VERNON Ave WB ON-RAMP
31	LA	AZUSA	210	38.93	VERNON Ave PUMP STATION
32	LA	AZUSA	*		WB W FIRST Ave SOUTH OF ROUTE 210
33	LA	AZUSA	*		SAN GABRIEL Place 60 FEET WEST OF S ANGELINO Ave
34	LA	AZUSA	*		SAN GABRIEL Place 200 FEET EAST OF S ANGELINO Ave

* LOCAL STREET

REVISED BY | DATE REVISED
TIMOTHY LEE | CHUNG-FU LUAN
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: CHUNG-FU LUAN
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

LOCATIONS OF CONSTRUCTION
NO SCALE
LC-1

LAST REVISION | DATE PLOTTED => 25-OCT-2011
00-00-00 | TIME PLOTTED => 14:03

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 726700ba001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1807
PROJECT NUMBER & PHASE 07000005021

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	32.9/39.6	3	52

9-28-11
REGISTERED CIVIL ENGINEER DATE

10-10-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
TIMOTHY LEE
No. C69303
EXP. 6/30/12
CIVIL
STATE OF CALIFORNIA

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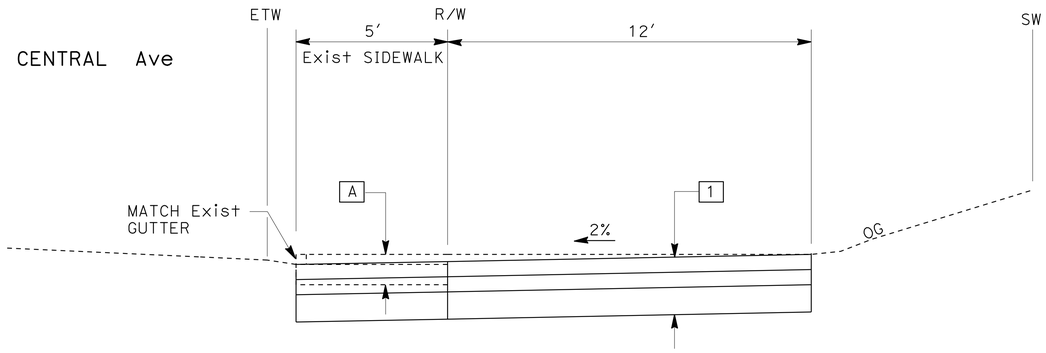
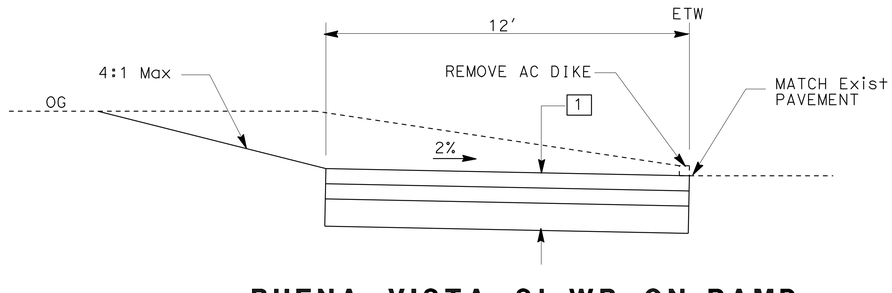
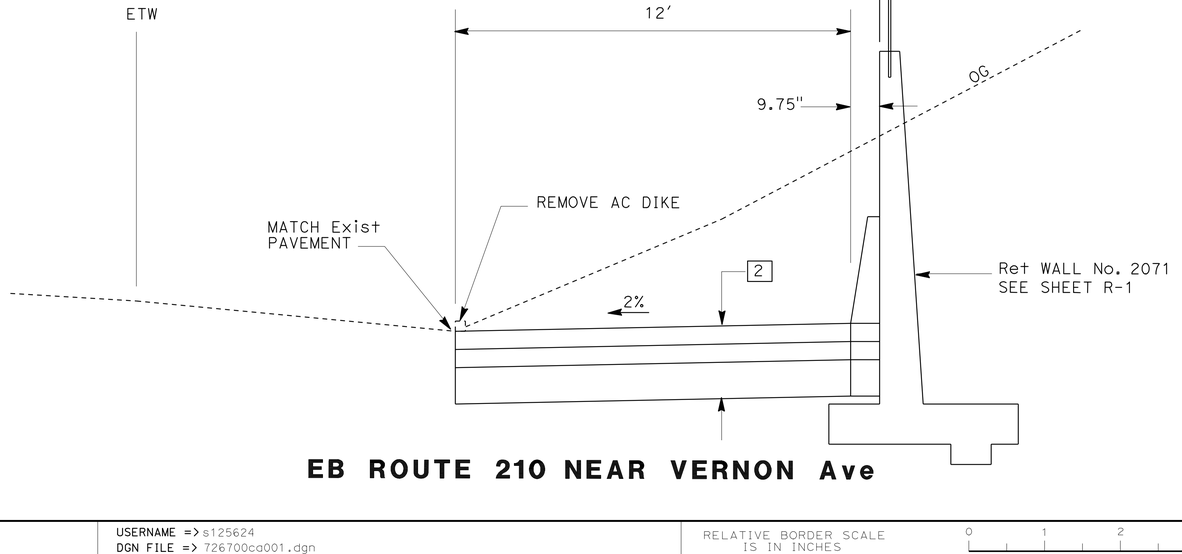


CENTRAL Ave NEAR MYRTLE Ave



BUENA VISTA St WB ON-RAMP



EB ROUTE 210 NEAR VERNON Ave

Exist SIDEWALK STRUCTURAL SECTION

A
- 0.33' ASPHALT CONCRETE
- 0.67' AGGREGATE BASE

MAINTENANCE VEHICLE PULLOUT (MVP) STRUCTURAL SECTION

1
- 0.50' HOT MIX ASPHALT (TYPE B)
- 0.50' LEAN CONCRETE BASE
- 0.90' CLASS 3 AGGREGATE BASE

2
- 0.70' HOT MIX ASPHALT (TYPE B)
- 0.70' LEAN CONCRETE BASE
- 1.40' CLASS 3 AGGREGATE BASE

TYPICAL CROSS SECTIONS

NO SCALE

X - 1

REVISED BY | DATE REVISED
TIMOTHY LEE | CHUNG-FU LUAN
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: CHUNG-FU LUAN
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

LAST REVISION | DATE PLOTTED => 25-OCT-2011
00-00-00 | TIME PLOTTED => 14:03

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 726700ca001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1807
PROJECT NUMBER & PHASE 07000005021

NOTE:

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

LEGEND

MVP MAINTENANCE VEHICLE PULLOUT

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	32.9/39.6	4	52

9-28-11
REGISTERED CIVIL ENGINEER DATE

10-10-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
TIMOTHY LEE
No. C69303
Exp. 6/30/12
CIVIL
STATE OF CALIFORNIA

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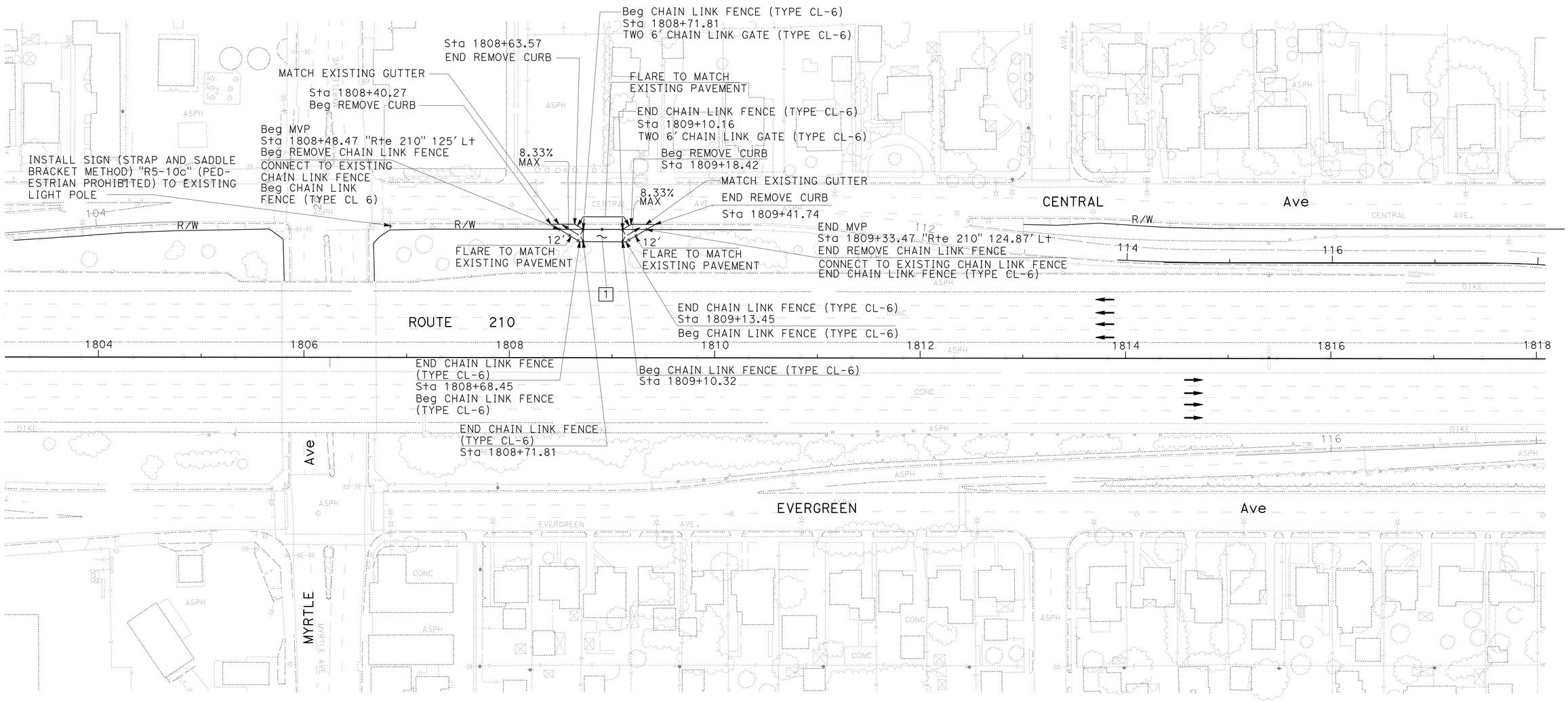

LOCATION 13 - MAINTENANCE VEHICLE PULLOUT

LAYOUT

SCALE 1" = 50'

L - 1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: CHUNG-FU LUAN
CALCULATED-DESIGNED BY: TIMOTHY LEE
CHECKED BY: CHUNG-FU LUAN
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 25-OCT-2011
00-00-00 TIME PLOTTED => 14:03

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 726700ea001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1807
PROJECT NUMBER & PHASE 07000005021

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	32.9/39.6	5	52

9-28-11
REGISTERED CIVIL ENGINEER DATE

10-10-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
TIMOTHY LEE
No. C69303
Exp. 6/30/12
CIVIL
STATE OF CALIFORNIA

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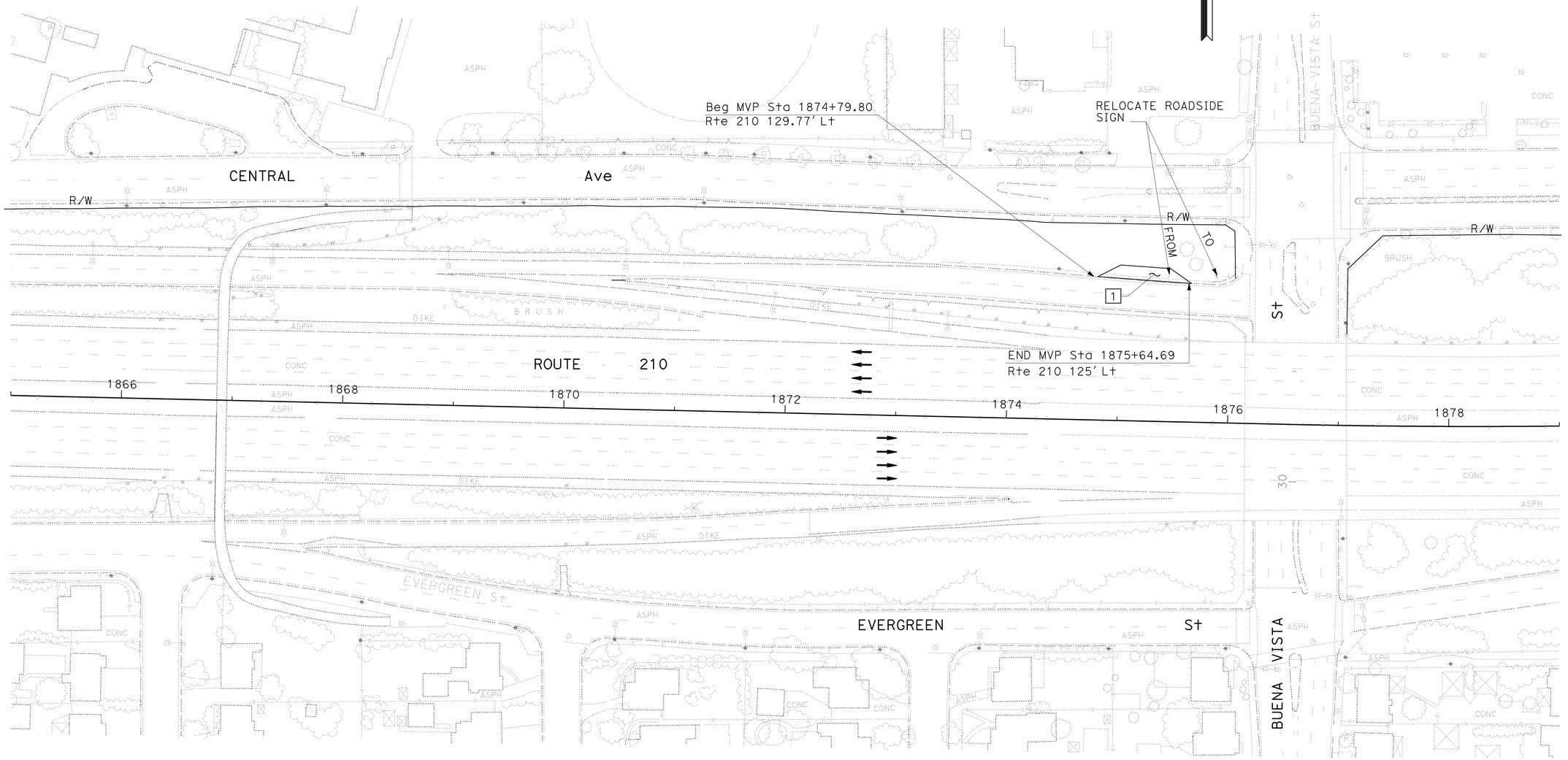
NOTE:

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



LOCATION 25 - MAINTENANCE VEHICLE PULLOUT

LAYOUT

SCALE 1" = 50'

L - 2

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: TIMOTHY LEE
CHECKED BY: CHUNG-FU LUAN
FUNCTIONAL SUPERVISOR: CHUNG-FU LUAN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION 00-00-00
DATE PLOTTED => 25-OCT-2011
TIME PLOTTED => 14:03

BORDER LAST REVISED 7/2/2010
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DGN FILE => 726700ea002.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1807
PROJECT NUMBER & PHASE 07000005021

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	32.9/39.6	6	52

9-28-11
REGISTERED CIVIL ENGINEER DATE

10-10-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
TIMOTHY LEE
No. C69303
Exp. 6/30/12
CIVIL
STATE OF CALIFORNIA

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NOTES:

1. FOR ACCURATE RIGHT OF WAY CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. THE CONTRACTOR MUST VERIFY EXISTING UTILITIES BEFORE EXCAVATING.

LOCATION 31 - MAINTENANCE VEHICLE PULLOUT

LAYOUT

SCALE 1" = 50'

L - 3

REVISED BY | DATE REVISED
TIMOTHY LEE | CHUNG-FU LUAN
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: CHUNG-FU LUAN
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

LAST REVISION DATE PLOTTED => 25-OCT-2011
00-00-00 TIME PLOTTED => 14:04

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 | DGN FILE => 726700eq003.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1807 | PROJECT NUMBER & PHASE 07000005021

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	32.9/39.6	7	52

REGISTERED CIVIL ENGINEER — 9-28-11 DATE

PLANS APPROVAL DATE — 10-10-11

REGISTERED PROFESSIONAL ENGINEER — TIMOTHY LEE No. C69303 Exp. 6/30/12 CIVIL — STATE OF CALIFORNIA

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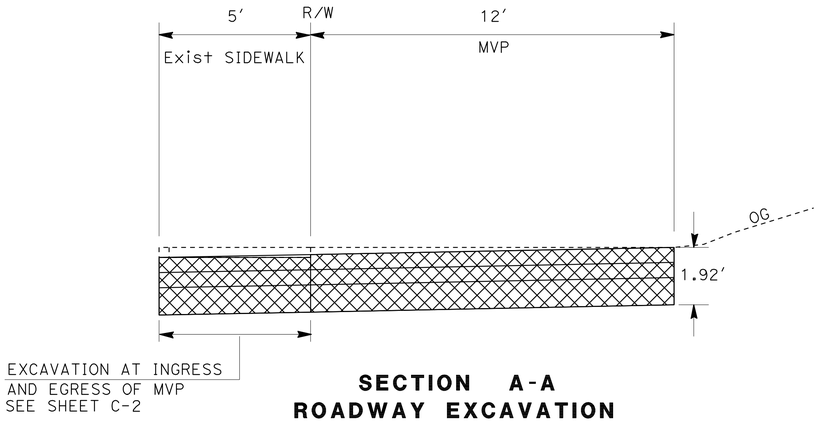
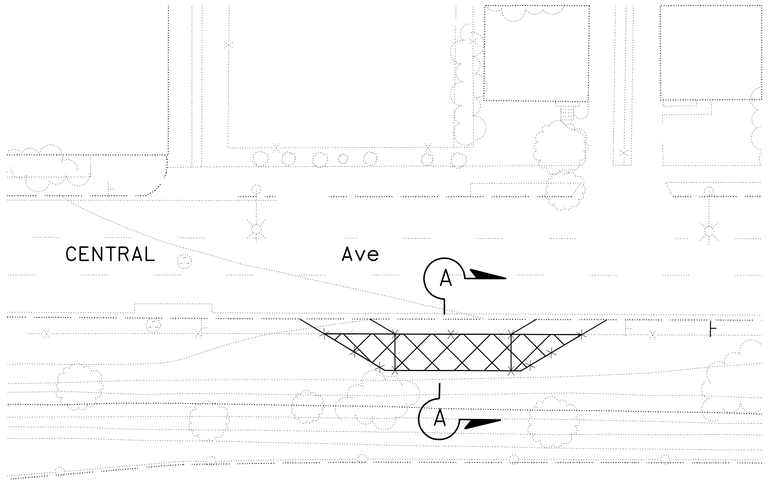


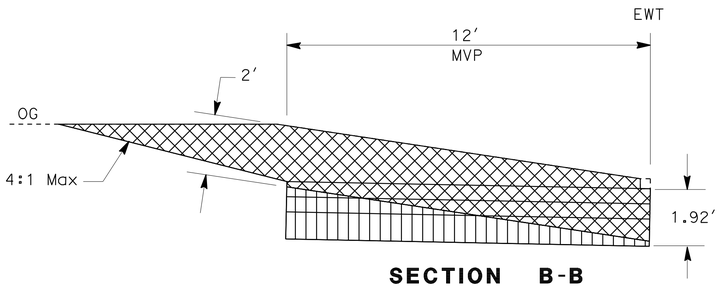
SECTION A-A
ROADWAY EXCAVATION
STA 1808+48.47 TO STA 1809+33.41
NO SCALE



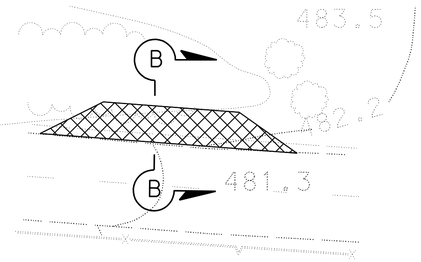
MVP LOCATION 1 AT
CENTRAL Ave WB OFF-RAMP

LEGEND

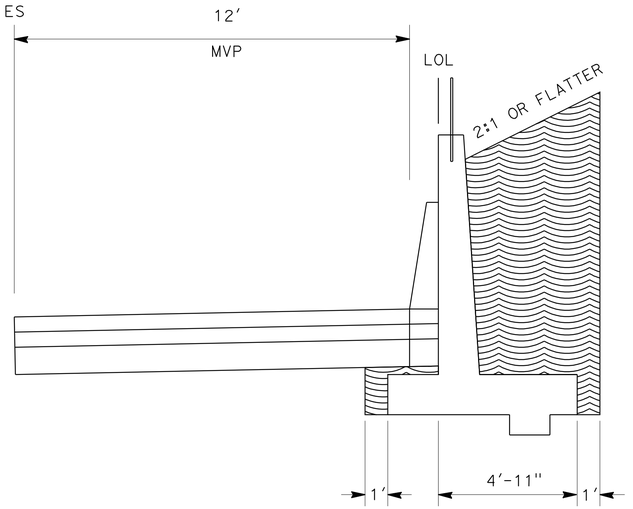
- ROADWAY EXCAVATION (TYPE Z-2) (AERIALLY DEPOSITED LEAD)
- CLEAN SOIL
- STRUCTURE EXCAVATION (TYPE Z-2) AERIALLY DEPOSITED LEAD
- STRUCTURE BACKFILL



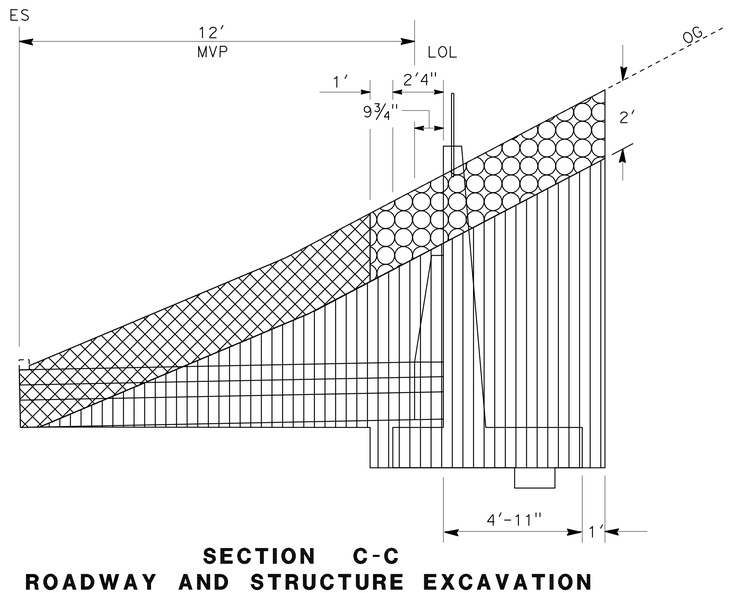
SECTION B-B
ROADWAY EXCAVATION
STA 1874+79.80 TO STA 1875+64.48
NO SCALE



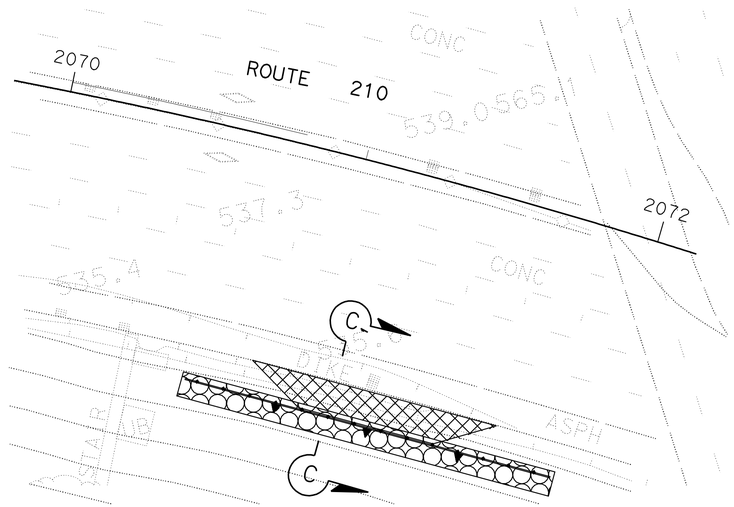
MVP LOCATION 2 AT
BUENA VISTA St WB ON-RAMP



SECTION C-C
STRUCTURAL BACKFILL
STA 2070+58.18 TO STA 2071+88.03
NO SCALE



SECTION C-C
ROADWAY AND STRUCTURE EXCAVATION
STA 2070+58.18 TO STA 2071+88.03
NO SCALE



MVP LOCATION 3 AT
ROUTE 210 EB

CONSTRUCTION DETAILS

NO SCALE

C - 1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — DESIGN
FUNCTIONAL SUPERVISOR: CHUNG-FU LUAN
CALCULATED-DESIGNED BY: TIMOTHY LEE
CHECKED BY: CHUNG-FU LUAN
REVISED BY | DATE REVISED

LAST REVISION | DATE PLOTTED => 25-OCT-2011
00-00-00 | TIME PLOTTED => 14:04

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 726700ga001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1807
PROJECT NUMBER & PHASE 07000005021

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	32.9/39.6	8	52

REGISTERED CIVIL ENGINEER — 9-28-11 DATE

PLANS APPROVAL DATE — 10-10-11

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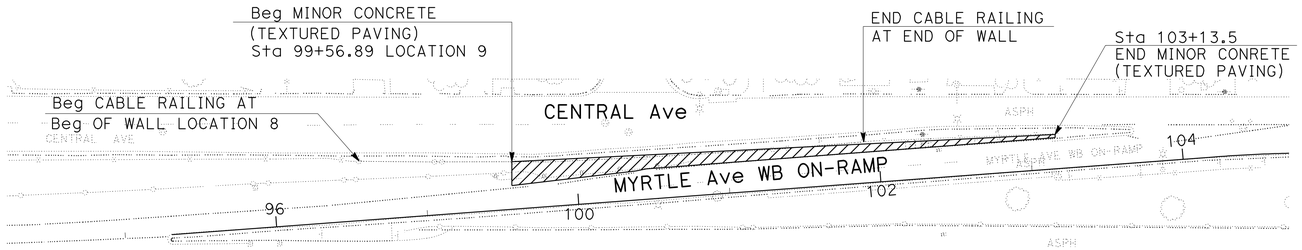
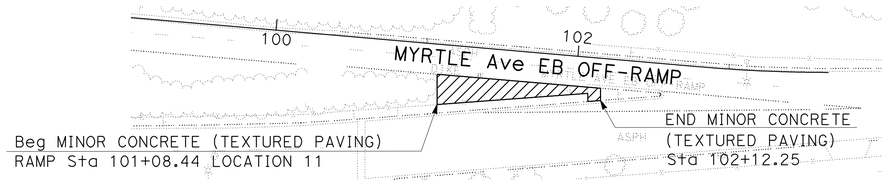
REGISTERED PROFESSIONAL ENGINEER — TIMOTHY LEE No. C69303 Exp. 6/30/12 CIVIL — STATE OF CALIFORNIA

NOTES:

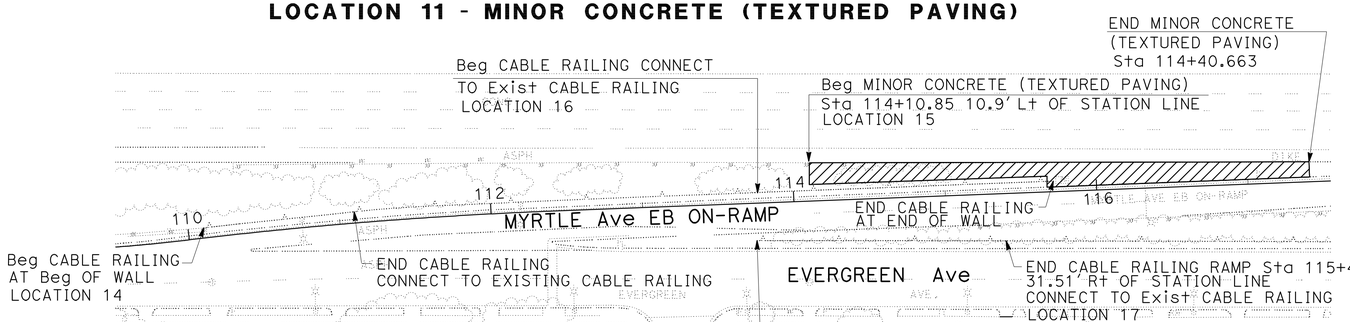
1. MINOR CONCRETE (TEXTURED PAVING) DETAIL SEE SHEET C-4.
2. EXCAVATED SOIL SHALL BE TREATED AS ROADWAY EXCAVATION (TYPE Z-2) (AERIALLY DEPOSITED LEAD).



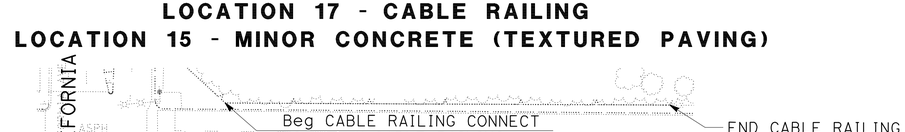
LOCATION 8 - CABLE RAILING
LOCATION 9 - MINOR CONCRETE (TEXTURED PAVING)



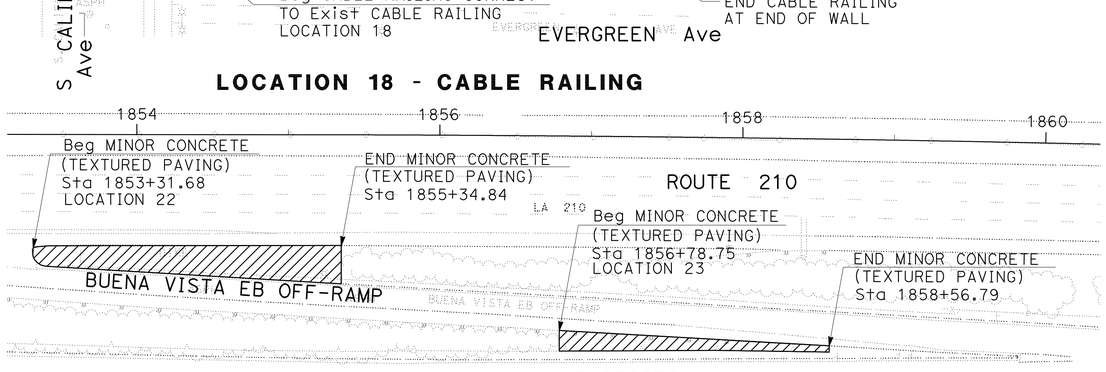
LOCATION 11 - MINOR CONCRETE (TEXTURED PAVING)



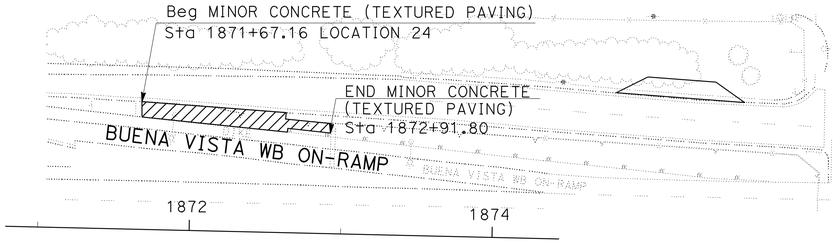
LOCATION 14 - CABLE RAILING
LOCATION 16 - CABLE RAILING
LOCATION 17 - CABLE RAILING
LOCATION 15 - MINOR CONCRETE (TEXTURED PAVING)



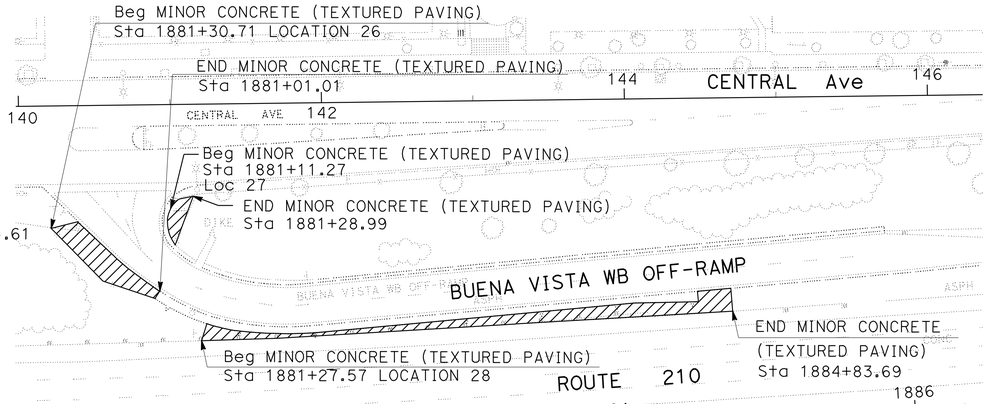
LOCATION 18 - CABLE RAILING



LOCATION 22 - MINOR CONCRETE (TEXTURED PAVING)
LOCATION 23 - MINOR CONCRETE (TEXTURED PAVING)



LOCATION 24 - MINOR CONCRETE (TEXTURED PAVING)



LOCATION 26 - MINOR CONCRETE (TEXTURED PAVING)
LOCATION 27 - MINOR CONCRETE (TEXTURED PAVING)
LOCATION 28 - MINOR CONCRETE (TEXTURED PAVING)

LOCATION 30 - CABLE RAILING

CONSTRUCTION DETAILS

NO SCALE

C - 2

REVISED BY | DATE REVISED

TIMOTHY LEE | CHUNG-FU LUAN

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: CHUNG-FU LUAN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — DESIGN

LAST REVISION | DATE PLOTTED => 25-OCT-2011 | 00-00-00 | TIME PLOTTED => 14:04

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 | DGN FILE => 726700ga002.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1807 | PROJECT NUMBER & PHASE 07000005021

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	32.9/39.6	9	52

REGISTERED CIVIL ENGINEER — DATE 9-28-11

10-10-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — TIMOTHY LEE — No. C69303 — EXP. 6/30/12 — CIVIL — STATE OF CALIFORNIA

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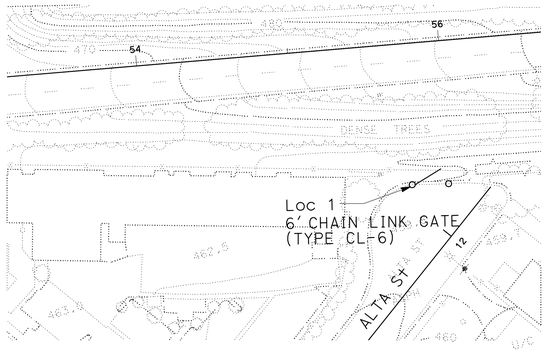
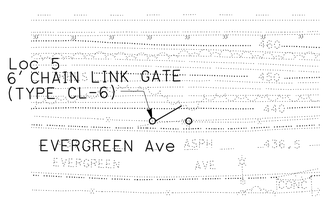
NOTE:

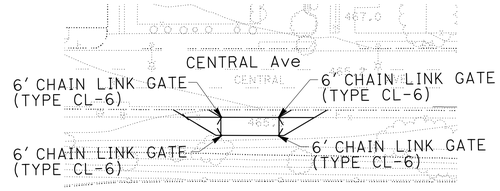
EXCAVATED SOIL SHALL BE TREATED AS ROADWAY EXCAVATION (TYPE Z-2) (AERIALLY DEPOSITED LEAD).



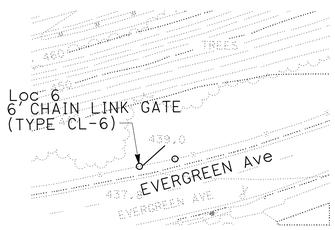
LOCATION 1
ALTA St



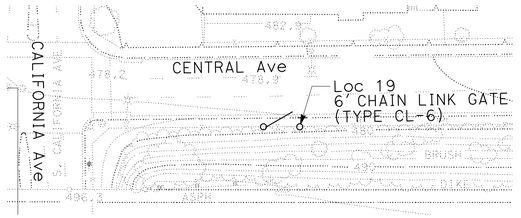
LOCATION 5
EVERGREEN Ave



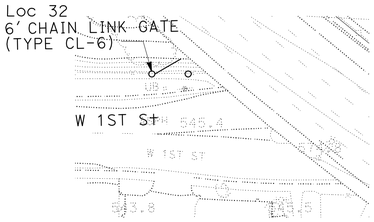
LOCATION 13
CENTRAL Ave



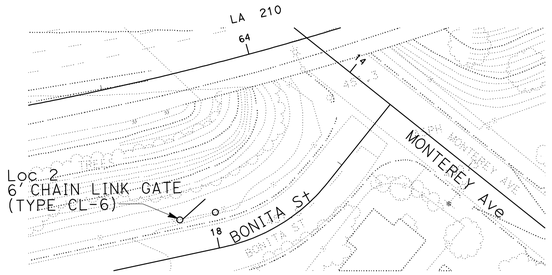
LOCATION 6
EVERGREEN Ave



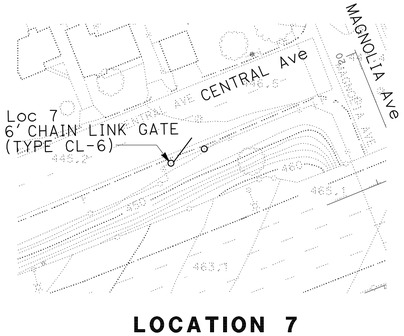
LOCATION 19
CENTRAL Ave



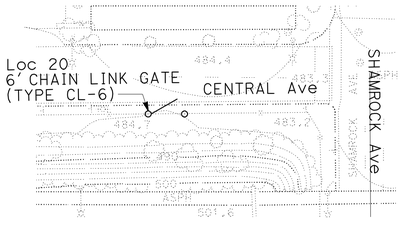
LOCATION 32
FIRST Ave



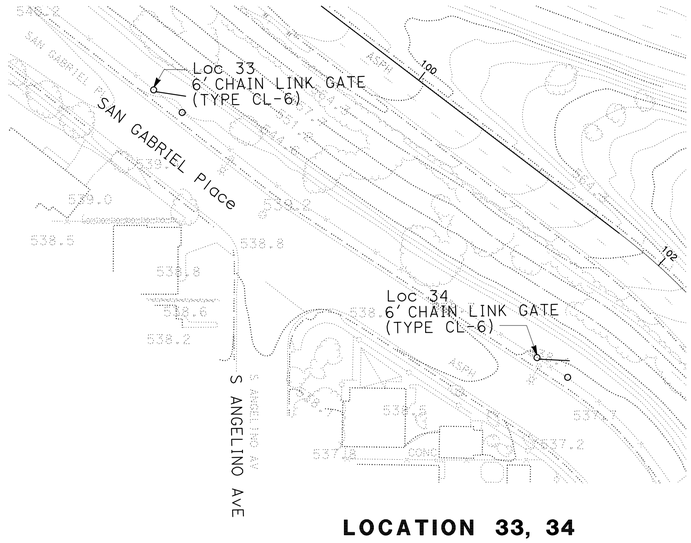
LOCATION 2
BONITA St



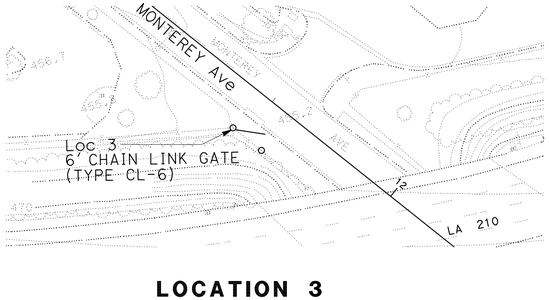
LOCATION 7
CENTRAL Ave



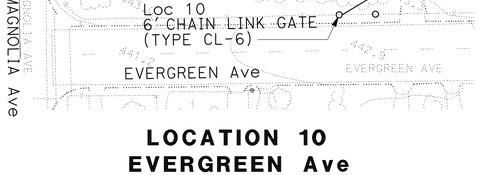
LOCATION 20
CENTRAL Ave



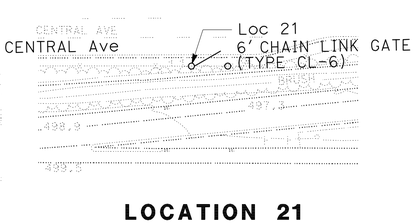
LOCATION 33, 34
SAN GABRIEL Place



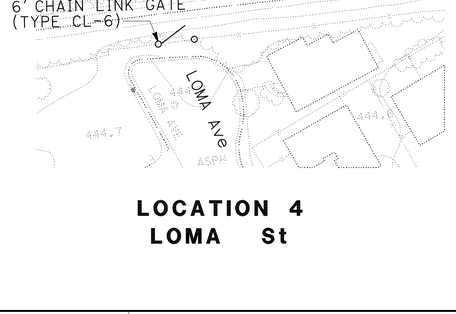
LOCATION 3
MONTEREY Ave



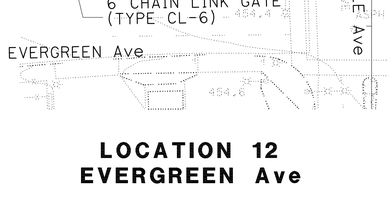
LOCATION 10
EVERGREEN Ave



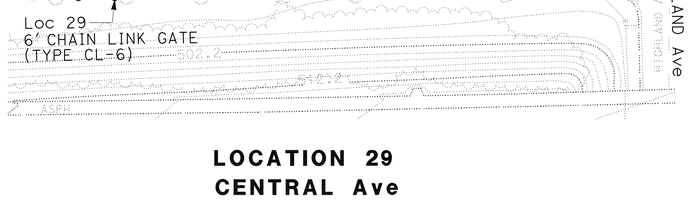
LOCATION 21
CENTRAL Ave



LOCATION 4
LOMA St



LOCATION 12
EVERGREEN Ave



LOCATION 29
CENTRAL Ave

CONSTRUCTION DETAILS

NO SCALE

C - 3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: CHUNG-FU LUAN
CALCULATED-DESIGNED BY: TIMOTHY LEE
CHECKED BY: CHUNG-FU LUAN
REVISED BY
DATE REVISED

LAST REVISION: DATE PLOTTED => 25-OCT-2011
00-00-00 TIME PLOTTED => 14:05

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 726700ga003.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1807
PROJECT NUMBER & PHASE 07000005021

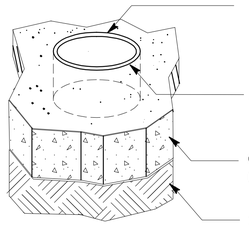
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	32.9/39.6	10	52

LICENSED LANDSCAPE ARCHITECT

10-10-11
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
JOSEPH MILLMAN
NO. 1031
Signature
07/31/2012
Renewal Date
08/12/2011
Date
STATE OF CALIFORNIA

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

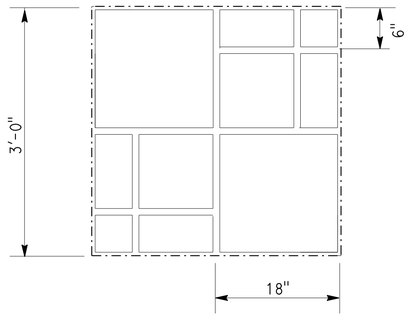


COLLAR DETAIL

NOTE:
PLACE 10" Dia CHDPE COLLAR (5" LENGTH)
AS FORM (CLEAR) AROUND POST

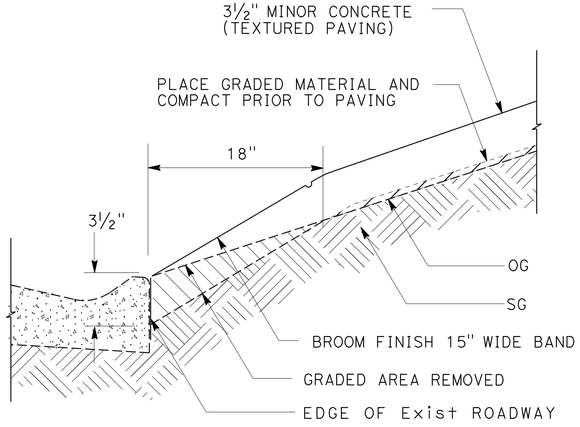
ABBREVIATION:

SCJ- SAW CUT JOINT

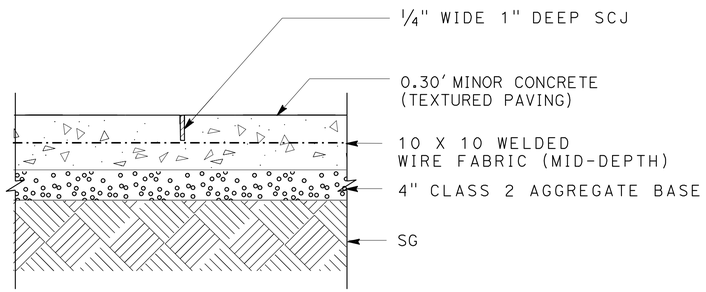


ARTS AND CRAFTS TYPICAL LAYOUT

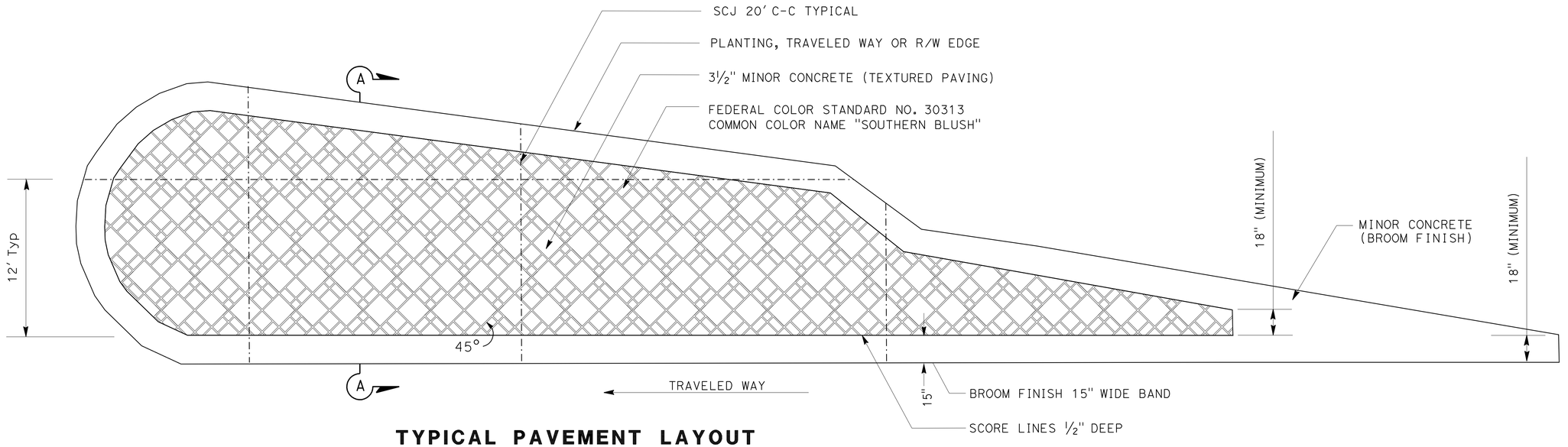
PLAN



GRADING (ADL AREA)



SECTION A-A



TYPICAL PAVEMENT LAYOUT
MINOR CONCRETE (TEXTURED)

PLAN

CONSTRUCTION DETAILS

NO SCALE

C-4

CALCULATED-DESIGNED BY
CHECKED BY
KARIM SALARI
JOE MILLMAN
REVISED BY
DATE REVISED
SENIOR LANDSCAPE ARCHITECT
PATTY WATANABE
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

LAST REVISION 00-00-00
DATE PLOTTED => 25-OCT-2011
TIME PLOTTED => 14:05

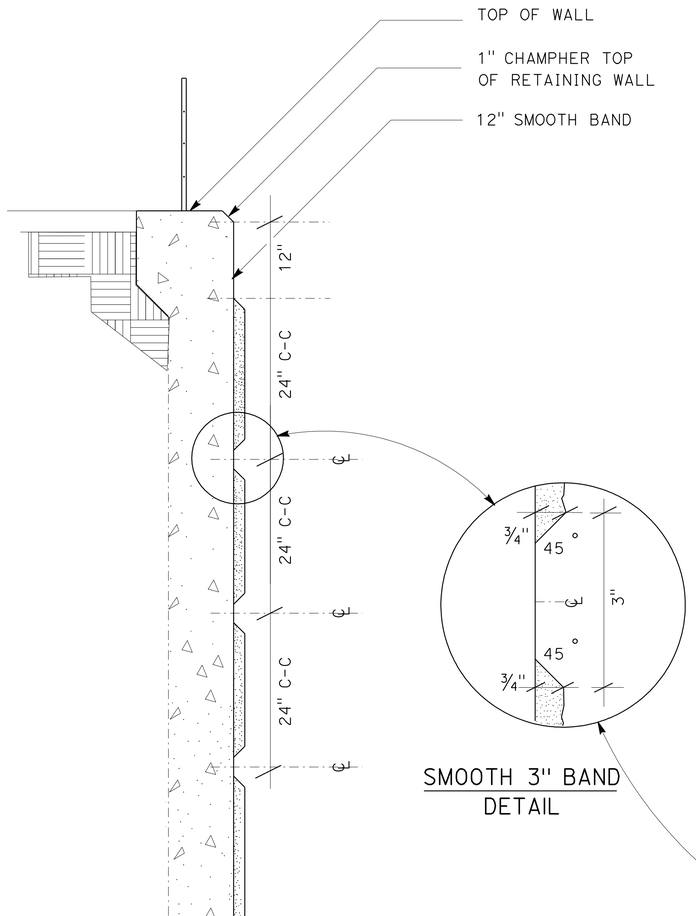
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	32.9/39.6	11	52

LICENSED LANDSCAPE ARCHITECT

10-10-11
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
JOSEPH MILLMAN
No. 1831
Signature
07/31/2012
Renewal Date
08/12/2011
Date
STATE OF CALIFORNIA

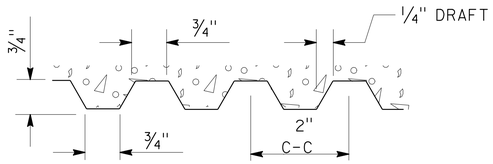
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



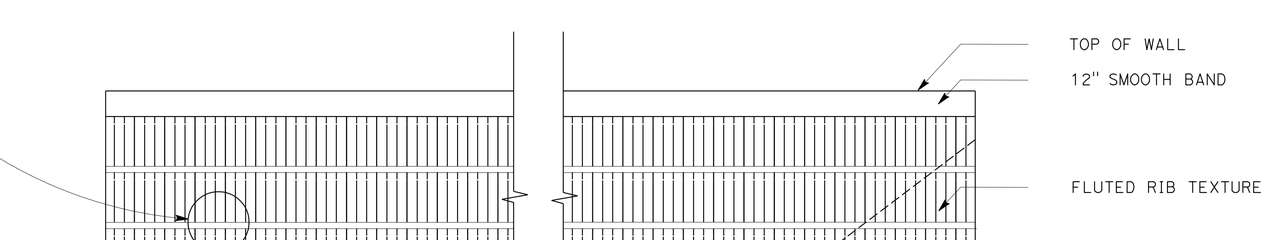
SMOOTH 3" BAND
DETAIL

Conc BARRIER (TYPE 60D) WHERE SHOWN

RETAINING WALL
SECTION



FLUTED RIB TEXTURE
SECTION



RETAINING WALL
FRONT ELEVATION

RETAINING WALL AESTHETIC

APPROVED FOR RETAINING WALL AESTHETIC WORK ONLY

CONSTRUCTION DETAILS
NO SCALE **C-5**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: PATTY WATANABE
CHECKED BY: JOSEPH MILLMAN
CALCULATED-DESIGNED BY: KARIM SALARI/ JOSEPH MILLMAN
REVISED BY | DATE REVISED

LAST REVISION | DATE PLOTTED => 25-OCT-2011
00-00-00 | TIME PLOTTED => 14:05

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 726700ga005.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1850
PROJECT NUMBER & PHASE 07000005021

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	32.9/39.6	12	52

N. Celina Aviles 9-29-11
REGISTERED CIVIL ENGINEER DATE

10-10-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
N. CELINA AVILES
No. 57106
Exp 12/31/11
CIVIL
STATE OF CALIFORNIA

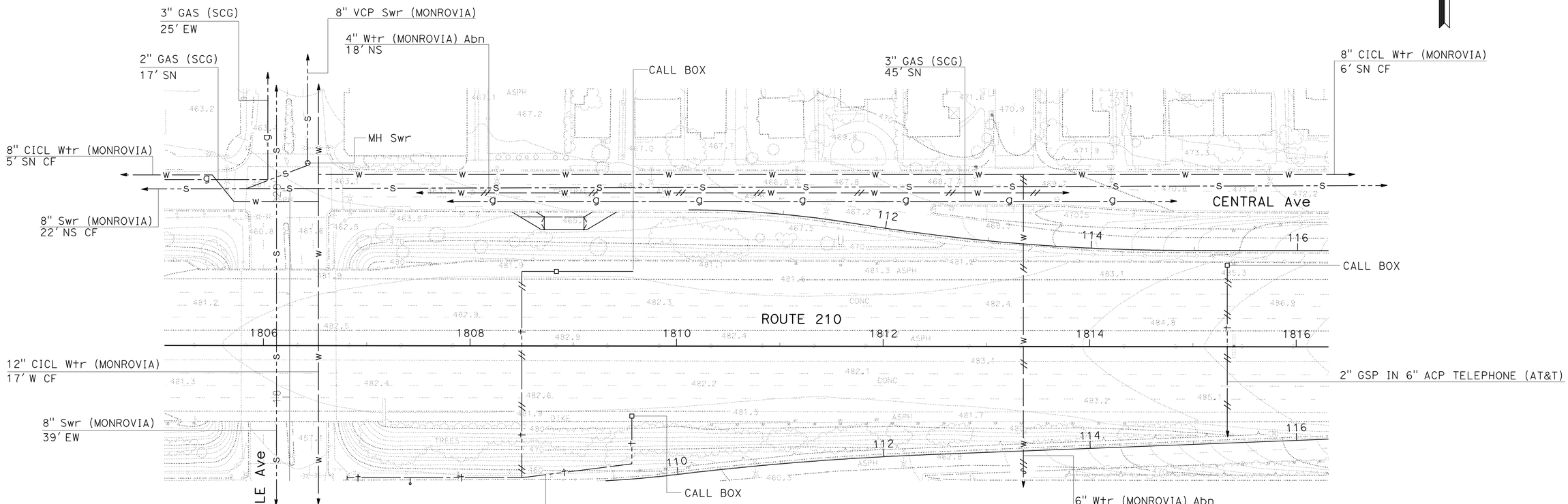
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. LOCATION OF UTILITY FACILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
3. UTILITY OWNERSHIP ON THIS PROJECT:
   ELECTRICAL - SOUTHERN CALIFORNIA EDISON (SCE)
   GAS - SOUTHERN CALIFORIA GAS (SCG)
   SEWER - CITY OF MONROVIA (MONROVIA), CITY OF DUARTE (DUARTE), CITY OF AZUSA (AZUSA)
   TELEPHONE - AMERICAN TELEPHONE AND TELEGRAPH COMPANY (AT&T)
   WATER - MONROVIA MUNICIPAL UTILITY SERVICES (MONROVIA), CALIFORNIA AMERICAN WATER (CAW), AZUSA LIGHT AND WATER (AZUSA)

ABBREVIATIONS:

ABS -	ACRYLONITRILE BUTADIENE STYRENE
ACD -	ASBESTOS CEMENT CONDUIT
Bu Ca -	BURIED CABLE
CF -	CURB FACE
CICL -	CAST IRON CEMENT LINE
CL&CWS -	CEMENT LINE & CAST WELDED STEEL
EW -	EAST OF WEST
M -	MEDIUM
MTD -	MULTIPLE TILE DUCT
NS -	NORTH OF SOUTH
SN -	SOUTH OF NORTH
STL -	STEEL
WE -	WEST OF EAST
WTR -	WATER



LOCATION 13 - MAINTENANCE VEHICLE PULLOUT/6' CHAIN LINK GATE

UTILITY PLAN

SCALE 1"=50'

U - 1

THIS PLAN FOR EXISTING UTILITY INFORMATION ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
OFFICE OF DESIGN A
FUNCTIONAL SUPERVISOR: CELINA AVILES
CALCULATED-DESIGNED BY: SUZIE KEARNS
CHECKED BY: CELINA AVILES
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 25-OCT-2011
00-00-00 TIME PLOTTED => 14:05

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 726700ka001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1843
PROJECT NUMBER & PHASE 07000005021

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	32.9/39.6	13	52

N. Celina Aviles 9-29-11
REGISTERED CIVIL ENGINEER DATE

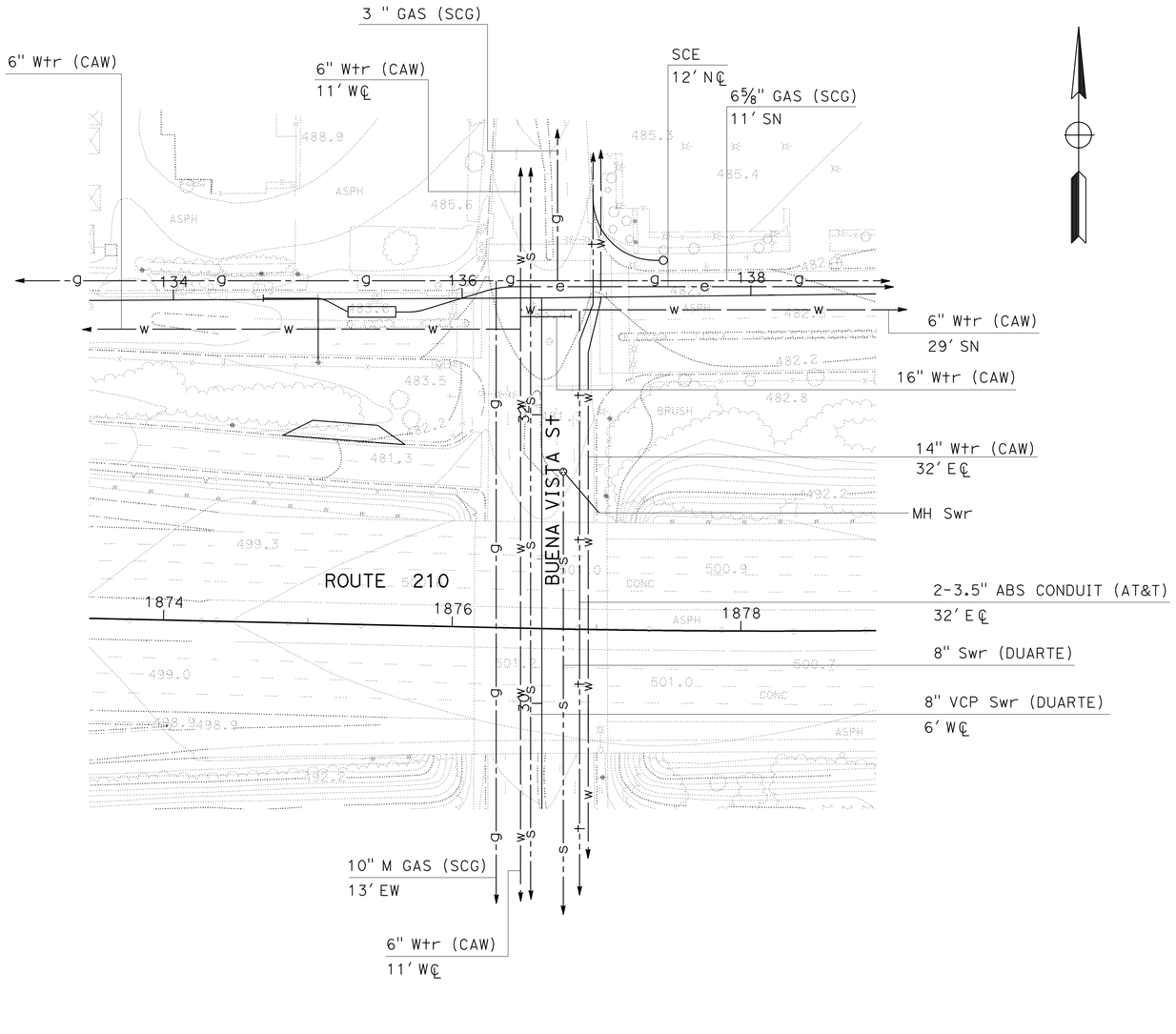
10-10-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
N. CELINA AVILES
No. 57106
Exp. 12/31/11
CIVIL
STATE OF CALIFORNIA

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

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. REFER TO NOTES 2 AND 3 FORM UTILITY U-1.



LOCATION 25 - MAINTENANCE VEHICLE PULLOUT

THIS PLAN FOR EXISTING UTILITY INFORMATION ONLY

UTILITY PLAN

SCALE 1"=50' **U - 2**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
OFFICE OF DESIGN A
FUNCTIONAL SUPERVISOR: CELINA AVILES
CALCULATED-DESIGNED BY: SUZIE KEARNS
CHECKED BY: CELINA AVILES
REVISED BY | DATE REVISED

LAST REVISION: DATE PLOTTED => 25-OCT-2011
00-00-00 TIME PLOTTED => 14:06

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 | DGN FILE => 726700ka002.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1843 | PROJECT NUMBER & PHASE 07000005021

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	32.9/39.6	14	52

N. Celina Aviles 9-29-11
REGISTERED CIVIL ENGINEER DATE

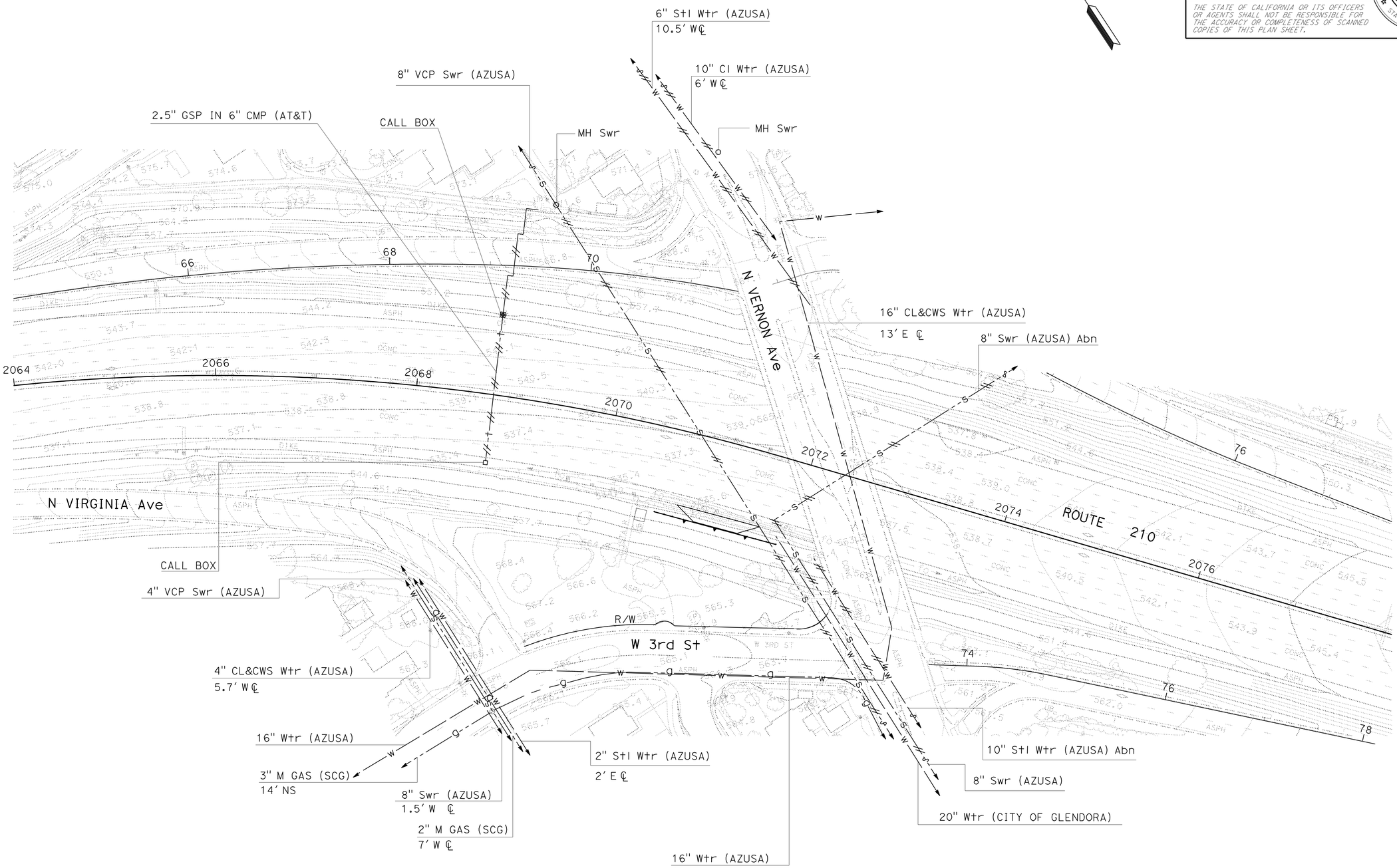
10-10-11
PLANS APPROVAL DATE

N. CELINA AVILES No. 57106 Exp. 12/31/11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. REFER TO NOTES 2 AND 3 FORM UTILITY U-1.



LOCATION 31 - MAINTENANCE VEHICLE PULLOUT

THIS PLAN FOR EXISTING UTILITY INFORMATION ONLY

UTILITY PLAN

SCALE 1"=50' **U - 3**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
OFFICE OF DESIGN A
FUNCTIONAL SUPERVISOR: CELINA AVILES
CALCULATED-DESIGNED BY: SUZIE KEARNS
CHECKED BY: CELINA AVILES
REVISED BY | DATE REVISED

LAST REVISION | DATE PLOTTED => 25-OCT-2011 | TIME PLOTTED => 14:06 | 00-00-00

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 | DGN FILE => 726700ka003.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1843 | PROJECT NUMBER & PHASE 07000005021

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. REFER TO NOTES 2 AND 3 FORM UTILITY U-1.

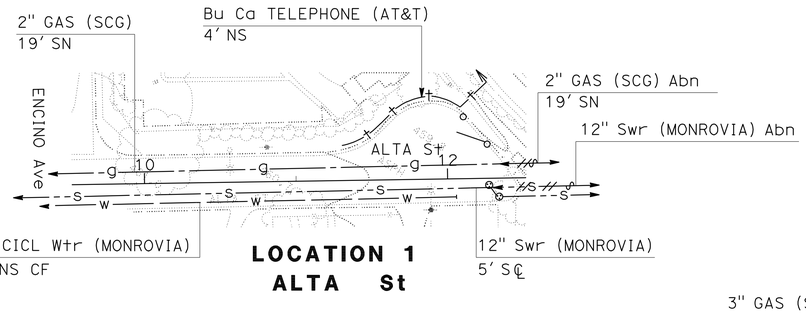
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	32.9/39.6	15	52

M. Celina Aviles 9-29-11
REGISTERED CIVIL ENGINEER DATE

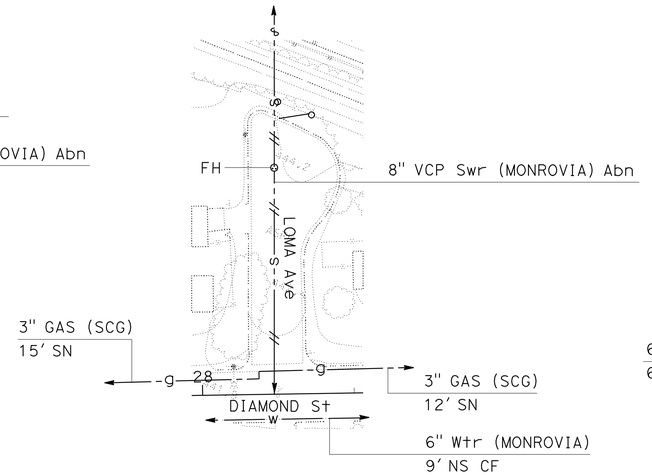
10-10-11
PLANS APPROVAL DATE

N. CELINA AVILES No. 57106 Exp. 12/31/11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

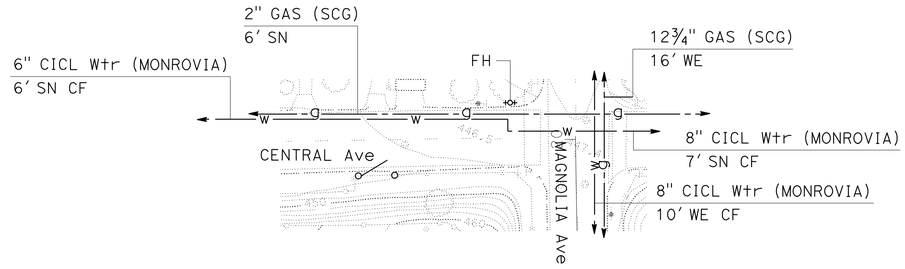
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



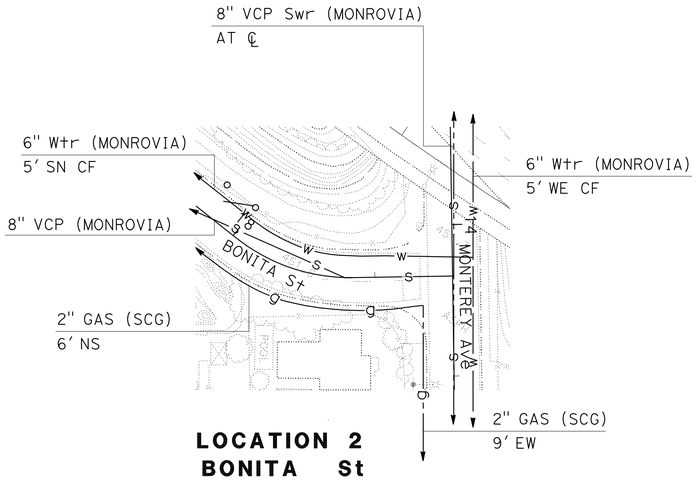
LOCATION 1
ALTA St



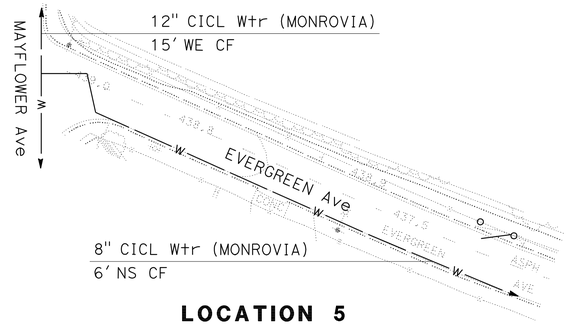
LOCATION 4
LOMA St



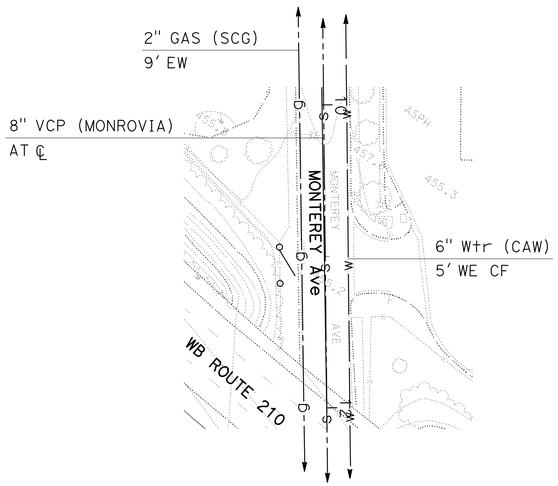
LOCATION 7
CENTRAL Ave



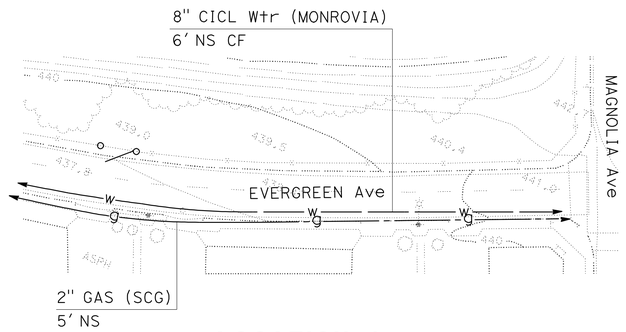
LOCATION 2
BONITA St



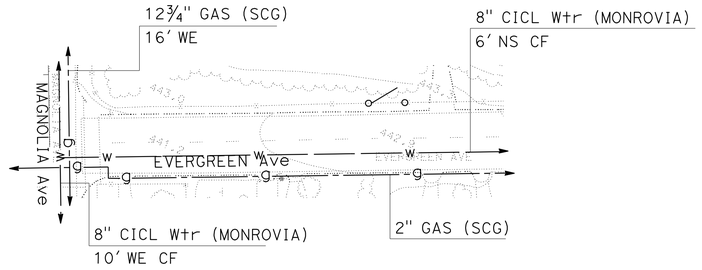
LOCATION 5
EVERGREEN Ave



LOCATION 3
MONTEREY Ave



LOCATION 6
EVERGREEN Ave



LOCATION 10
EVERGREEN Ave

THIS PLAN FOR EXISTING UTILITY INFORMATION ONLY

UTILITY PLAN

SCALE 1"=50' **U - 4**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® OFFICE OF DESIGN A
FUNCTIONAL SUPERVISOR: CELINA AVILES
CALCULATED-DESIGNED BY: SUZIE KEARNS
CHECKED BY: CELINA AVILES
REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 25-OCT-2011
TIME PLOTTED => 14:06

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 726700ka004.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1843
PROJECT NUMBER & PHASE 07000005021

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. REFER TO NOTES 2 AND 3 FORM UTILITY U-1.

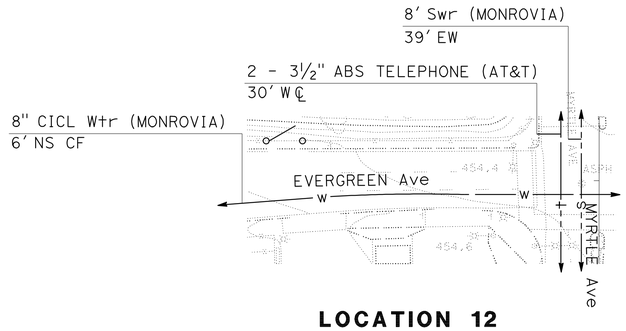
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	32.9/39.6	16	52

N. Celina Aviles 9-29-11
REGISTERED CIVIL ENGINEER DATE

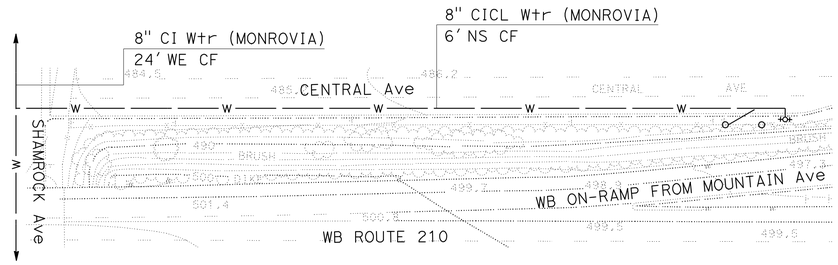
10-10-11
PLANS APPROVAL DATE

N. CELINA AVILES No. 57106 Exp. 12/31/11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

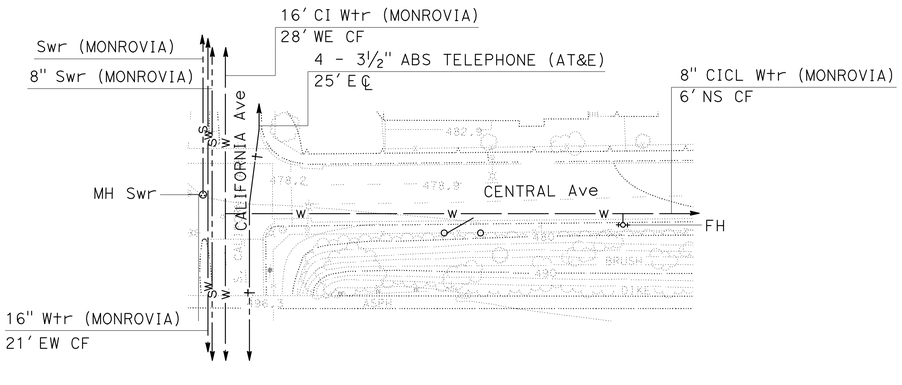
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



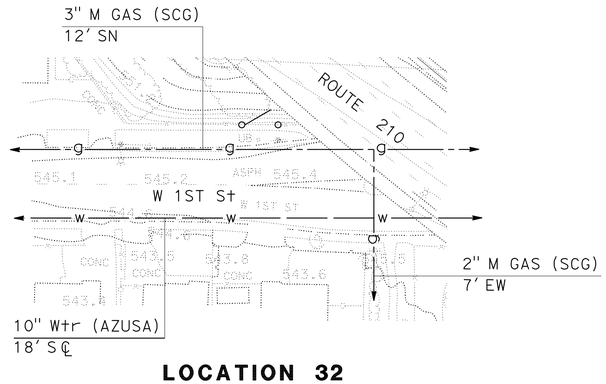
LOCATION 12
EVERGREEN Ave



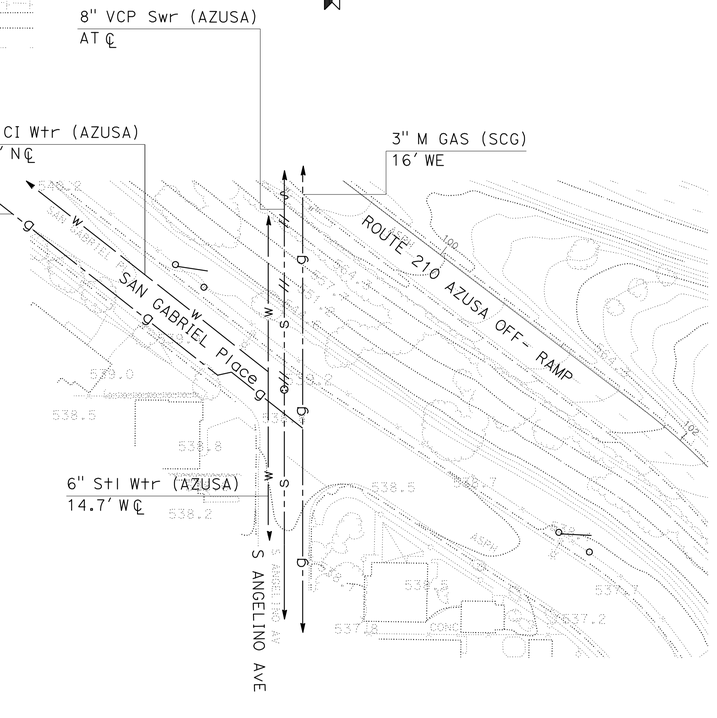
LOCATION 21
CENTRAL Ave



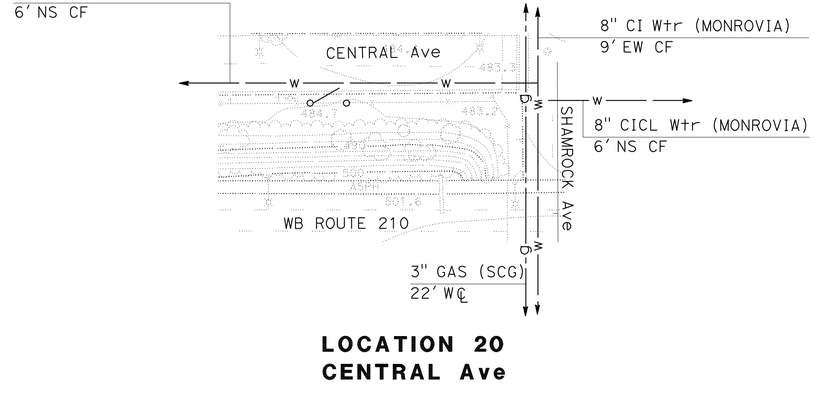
LOCATION 19
CENTRAL Ave



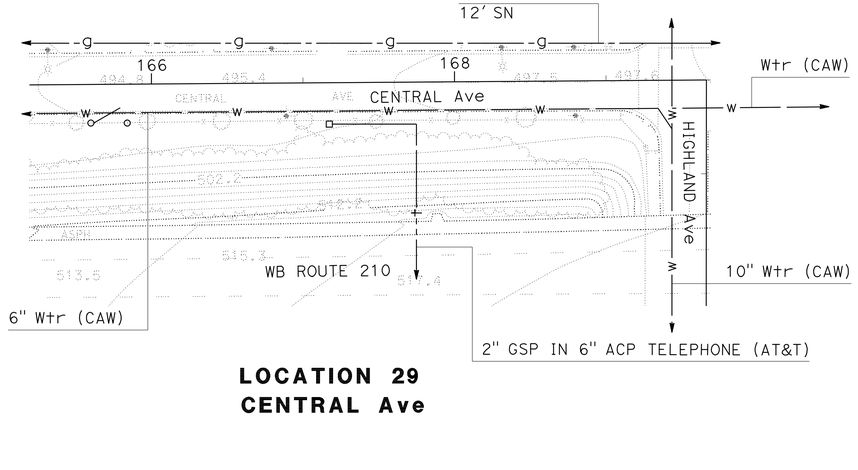
LOCATION 32
FIRST Ave



LOCATION 33, 34
SAN GABRIEL Place



LOCATION 20
CENTRAL Ave



LOCATION 29
CENTRAL Ave

UTILITY PLAN

SCALE 1"=50' **U - 5**

THIS PLAN FOR EXISTING UTILITY INFORMATION ONLY

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

FUNCTIONAL SUPERVISOR: CELINA AVILES
CALCULATED-DESIGNED BY: SUZIE KEARNS
CHECKED BY: CELINA AVILES
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 25-OCT-2011
00-00-00 TIME PLOTTED => 14:06

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 726700ka005.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1843
PROJECT NUMBER & PHASE 07000005021

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	32.9/39.6	17	52

M. Celina Aviles 9-29-11
REGISTERED CIVIL ENGINEER DATE

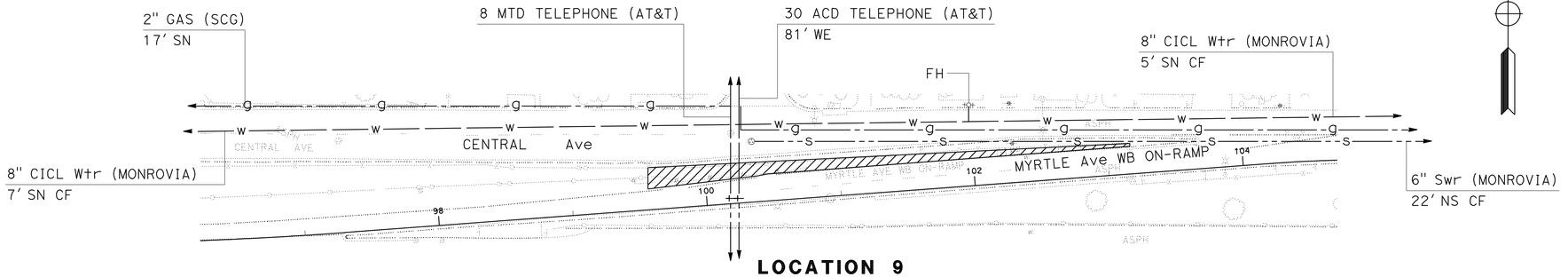
10-10-11
PLANS APPROVAL DATE

N. CELINA AVILES No. 57106 Exp. 12/31/11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

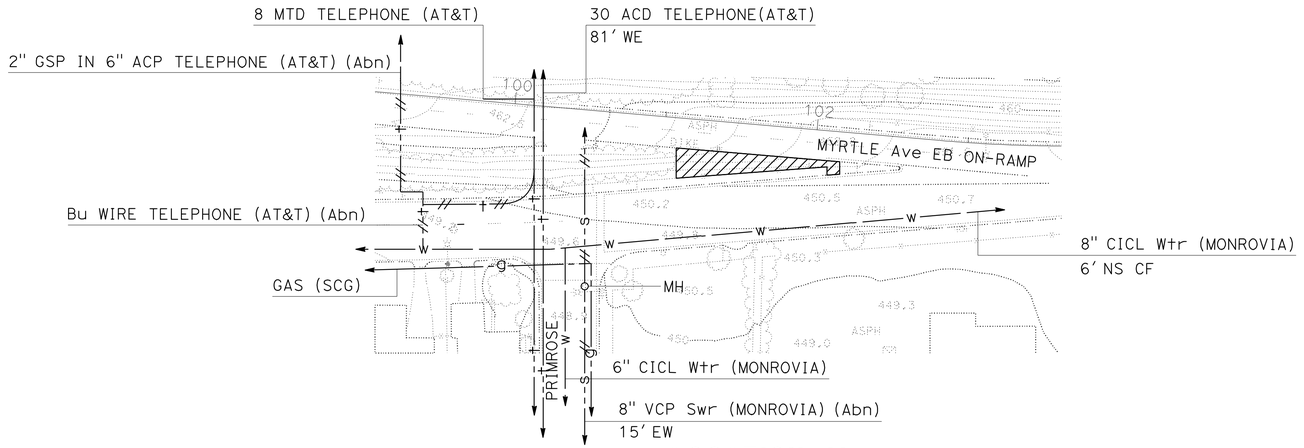
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

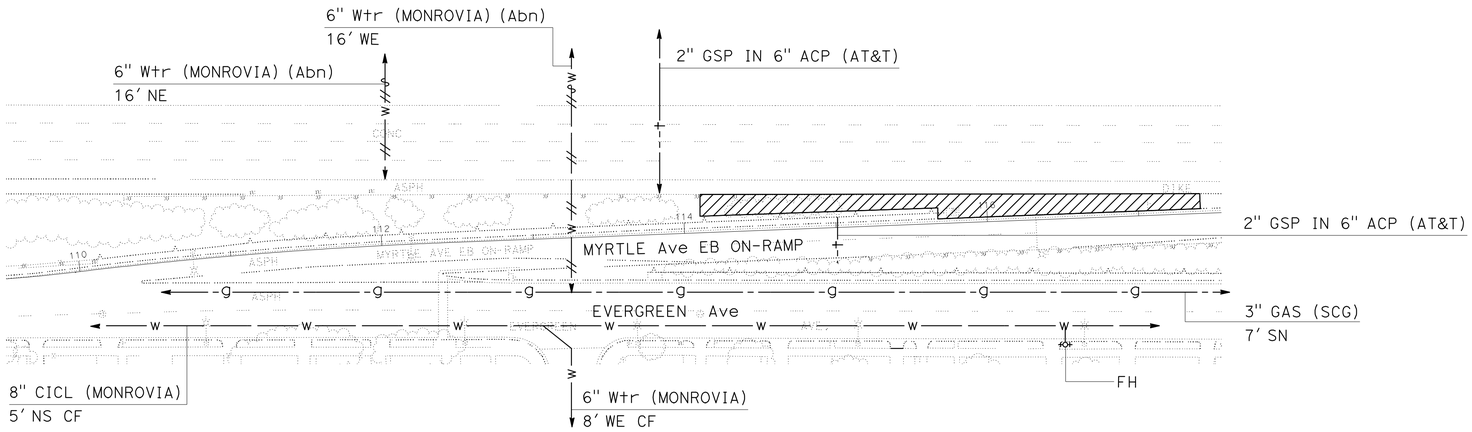
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. REFER TO NOTES 2 AND 3 FORM UTILITY U-1.



LOCATION 9
CENTRAL Ave



LOCATION 11
MYRTLE Ave EB OFF-RAMP



LOCATION 15
MYRTLE Ave EB ON-RAMP

THIS PLAN FOR EXISTING UTILITY INFORMATION ONLY

UTILITY PLAN

SCALE 1"=50' **U - 6**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
OFFICE OF DESIGN A
FUNCTIONAL SUPERVISOR: CELINA AVILES
CALCULATED-DESIGNED BY: SUZIE KEARNS
CHECKED BY: CELINA AVILES
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 25-OCT-2011
00-00-00 TIME PLOTTED => 14:06

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 | DGN FILE => 726700ka006.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1843 | PROJECT NUMBER & PHASE 07000005021

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	32.9/39.6	18	52

M. Celina Aviles 9-29-11
REGISTERED CIVIL ENGINEER DATE

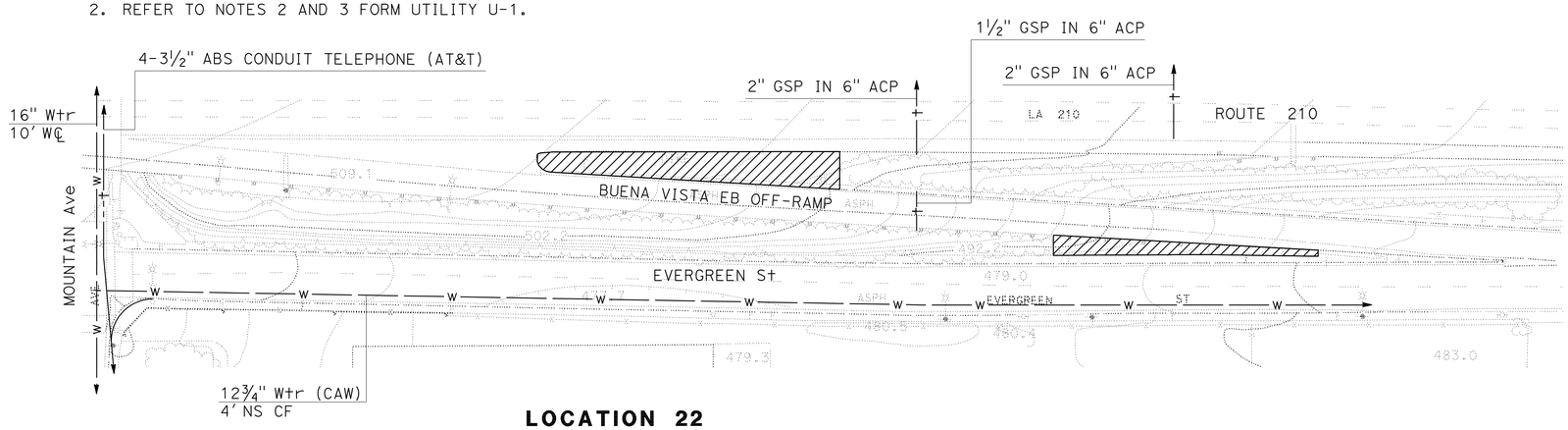
10-10-11
PLANS APPROVAL DATE

N. CELINA AVILES No. 57106 Exp. 12/31/11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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

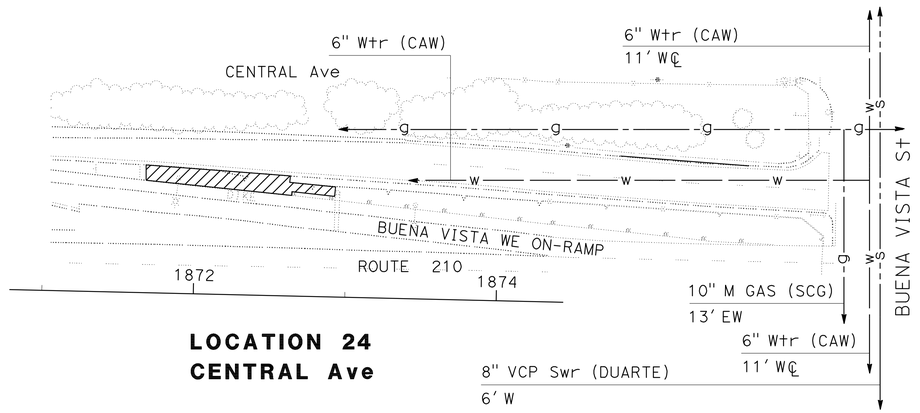
NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. REFER TO NOTES 2 AND 3 FORM UTILITY U-1.

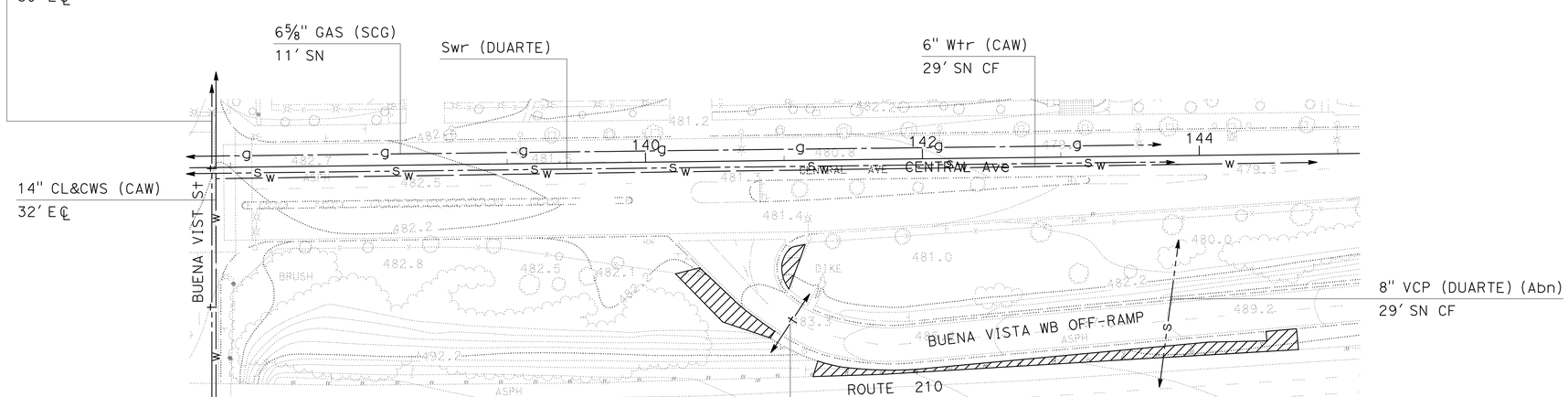


LOCATION 22
BUENA VISTA EB OFF-RAMP

LOCATION 23
EVERGREEN St



LOCATION 24
CENTRAL Ave



LOCATION 26, LOCATION 27, LOCATION 28,
BUENA VISTA WB OFF-RAMP

THIS PLAN FOR EXISTING UTILITY INFORMATION ONLY

UTILITY PLAN

SCALE 1"=50' **U - 7**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
OFFICE OF DESIGN A
FUNCTIONAL SUPERVISOR: CELINA AVILES
CALCULATED-DESIGNED BY: SUZIE KEARNS
CHECKED BY: CELINA AVILES
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 25-OCT-2011
00-00-00 TIME PLOTTED => 14:07

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 726700ka007.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1843
PROJECT NUMBER & PHASE 07000005021

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	32.9/39.6	19	52

9-28-11
REGISTERED CIVIL ENGINEER DATE

10-10-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — TIMOTHY LEE — No. C69303 — EXP. 6/30/12 — CIVIL — STATE OF CALIFORNIA

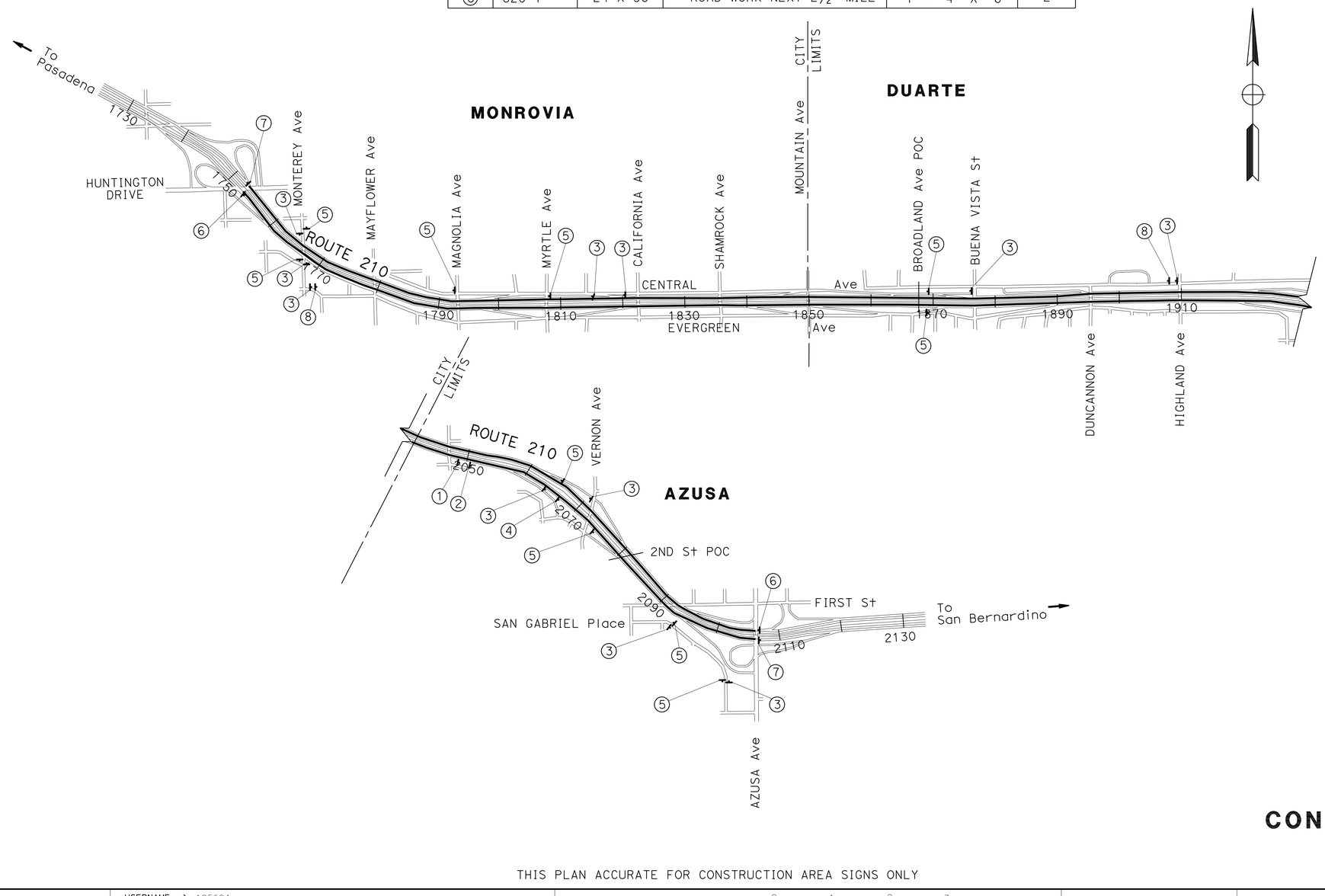
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

1. SIGN LOCATIONS AND POSITIONS SHOWN ARE APPROXIMATELY.
2. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.

CONSTRUCTION AREA SIGNS (STATIONARY MOUNTED)

SIGN Loc.	SIGN CODE	PANEL SIZE inch x inch	SIGN MESSAGE	No. OF POSTS AND POST SIZE (inch)	No. OF SIGNS EA
①	C40A (CA)	48 X 48	TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONES	1 - 6 X 6	1
②	G20-1	24 X 36	ROAD WORK NEXT 1/2 MILE	1 - 4 X 6	1
③	W20-1	48 X 48	ROAD WORK AHEAD	1 - 6 X 6	11
④	W21-5b	48 X 48	RIGHT SHOULDER CLOSED AHEAD	1 - 6 X 6	1
⑤	G20-2	48 X 24	END ROAD WORK	1 - 4 X 6	10
⑥	C-18	48 X 48	ROAD CONSTRUCTION AHEAD	1 - 6 X 6	2
⑦	C-13	48 X 18	END CONSTRUCTION	1 - 4 X 6	2
⑧	G20-1	24 X 36	ROAD WORK NEXT 2 1/2 MILE	1 - 4 X 6	2



THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGNS ONLY

CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: CHUNG-FU LUAN
CALCULATED-DESIGNED BY: TIMOTHY LEE
CHECKED BY: CHUNG-FU LUAN
REVISED BY
DATE REVISED

LAST REVISION | DATE PLOTTED => 25-OCT-2011
00-00-00 | TIME PLOTTED => 14:07

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 7267001a001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1807
PROJECT NUMBER & PHASE 07000005021

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	32.9/39.6	20	52

9-28-11
REGISTERED CIVIL ENGINEER DATE

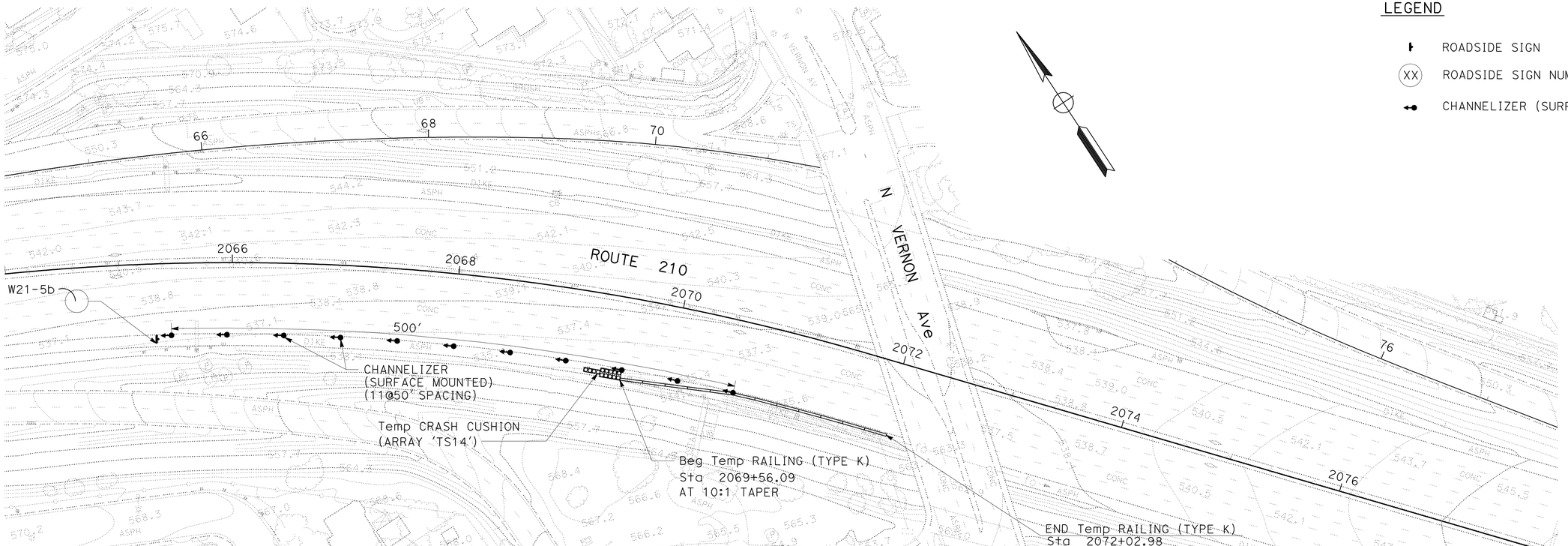
10-10-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
TIMOTHY LEE
No. C69303
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.

LEGEND

- ROADSIDE SIGN
- (XX) ROADSIDE SIGN NUMBER
- CHANNELIZER (SURFACE MOUNTED)



TRAFFIC HANDLING PLAN

SCALE 1"=50'

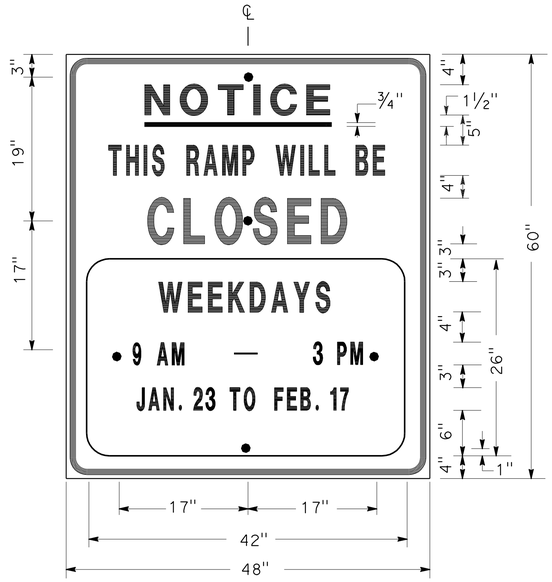
TH-1

REVISED BY | DATE REVISED
TIMOTHY LEE | CHUNG-FU LUAN
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: CHUNG-FU LUAN

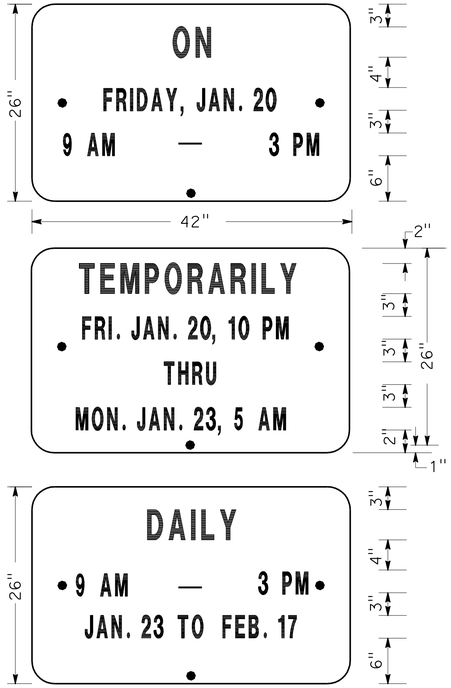
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION 00-00-00
DATE PLOTTED => 25-OCT-2011
TIME PLOTTED => 14:07

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 726700md001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1807
PROJECT NUMBER & PHASE 07000005021

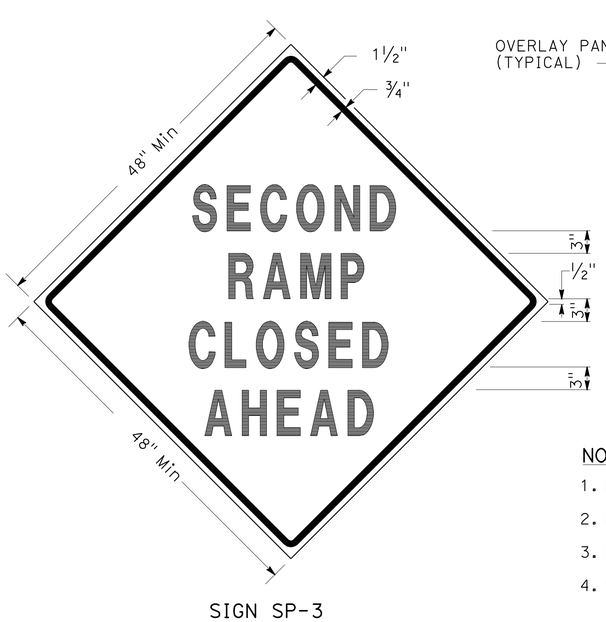


SIGN SP-1



ALTERNATE OVERLAY PANELS (TYPICAL)

SPECIAL ADVANCE NOTICE PUBLICITY SIGN



SIGN SP-3

SIGN SP-5

NOTES: (SIGNS SP-3 & SP-5)

1. LETTERS - 6" SERIES D.
2. LETTERS AND BORDERS - BLACK ON RETROREFLECTORIZED ORANGE BACKGROUND.
3. BASE MATERIAL SHALL BE ALUMINUM (MINIMUM 0.06").
4. SIGNS SHALL BE MOUNTED WITH BOTTOMS OF SIGNS A MINIMUM OF 6′ ABOVE GROUND.

SPECIAL SIGN FOR EXIT RAMP CLOSURES

NOTES: (SIGN SP-1)

1. SIGNS SHALL HAVE ORANGE RETROREFLECTORIZED BACKGROUND WITH BLACK BORDER AND LETTERS.
2. BOLT HOLES SHALL BE ⅜" DIAMETER.
3. BASE MATERIAL SHALL BE ALUMINUM (MINIMUM 0.06").
4. SIGNS SHALL BE MOUNTED WITH BOTTOMS OF SIGNS A MINIMUM OF 6′ ABOVE GROUND.

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

SIGN SP-4

NOTES: (SIGN SP-4)

1. LETTERS - 6" SERIES C.
2. LETTERS AND BORDERS - BLACK ON RETROREFLECTORIZED WHITE BACKGROUND.
3. BASE MATERIAL SHALL BE ALUMINUM (MINIMUM 0.06").
4. SIGNS SHALL BE PLACED AT RAMP ENTRANCES IN ADDITION TO SIGNS POSTED IN ACCORDANCE WITH STANDARD PLAN T14.

SPECIAL SIGN FOR ENTRANCE RAMP CLOSURES

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	32.9/39.6	21	52

Matt Oregel 6-6-11
REGISTERED CIVIL ENGINEER DATE

10-10-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
MARTIN OREGEL
No. 56816
Exp. 6-30-13
CIVIL
STATE OF CALIFORNIA

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

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

SHEET 1 OF 2
NO SCALE

THD-1

CALCULATED-DESIGNED BY	
CHECKED BY	JC
REVISED BY	7/10
DATE REVISED	
ALBERT K YU	
JOCELYN C CHIANG	
FUNCTIONAL SUPERVISOR	JOHN YANG
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DTM
Caltrans®	

LAST REVISION | DATE PLOTTED => 25-OCT-2011 | 00-00-00 | TIME PLOTTED => 14:07

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 | DGN FILE => 726700me001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1887 | PROJECT NUMBER & PHASE 07000005021

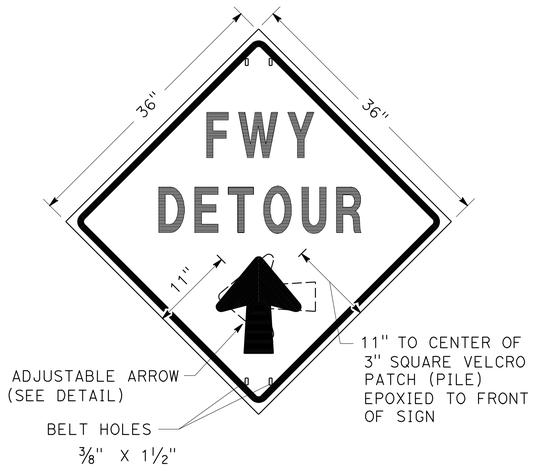
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	32.9/39.6	22	52

Matt Oregel 6-6-11
REGISTERED CIVIL ENGINEER DATE

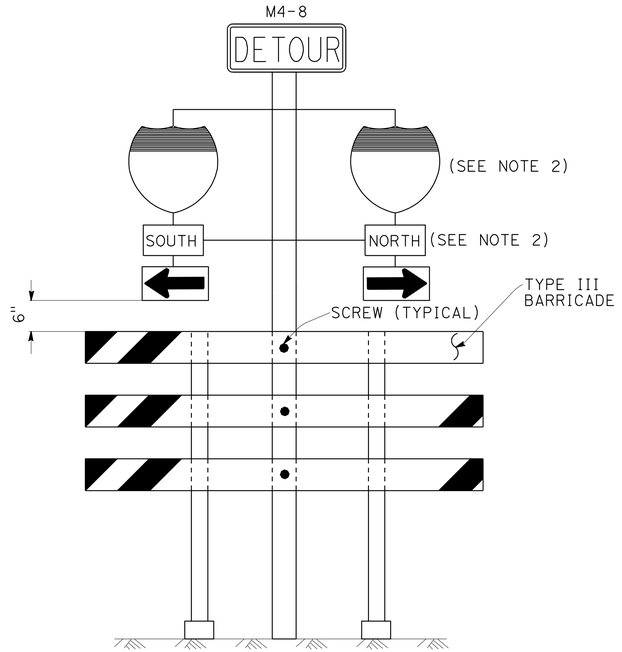
10-10-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
MARTIN OREGEL
No. 56816
Exp. 6-30-13
CIVIL
STATE OF CALIFORNIA

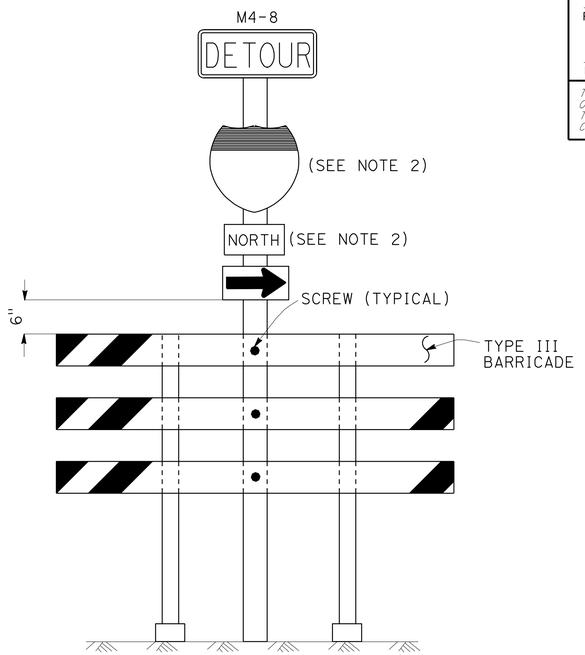
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



SIGN SP-2



SIGN SP-6 (SEE NOTE 1)



SIGN SP-7 (SEE NOTE 1)

NOTES: (SIGN SP-2)

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

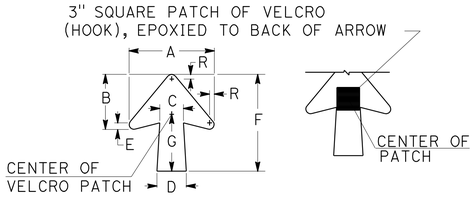
ABBREVIATION

(CA) CALIFORNIA CODE

NOTES: (SIGNS SP-6 & SP-7)

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

SPECIAL PORTABLE FREEWAY DETOUR SIGNS



DIMENSIONS							
A	B	C	D	E	F	G	R
11 1/4"	7 1/4"	3 1/8"	4"	7/8"	13"	7 1/2"	5/8"

SPECIAL PORTABLE FREEWAY DETOUR SIGN

ADJUSTABLE ARROW DETAIL

TRAFFIC HANDLING DETAILS

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

SHEET 2 OF 2

NO SCALE

THD-2

CALCULATED-DESIGNED BY	CHECKED BY	REVISED BY	DATE REVISED
ALBERT K YU	JOCELYN C CHIANG	JC	7/10

FUNCTIONAL SUPERVISOR: JOHN YANG

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DTM

LAST REVISION DATE PLOTTED => 25-OCT-2011
00-00-00 TIME PLOTTED => 14:08

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 | DGN FILE => 726700me002.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1887 | PROJECT NUMBER & PHASE 07000005021

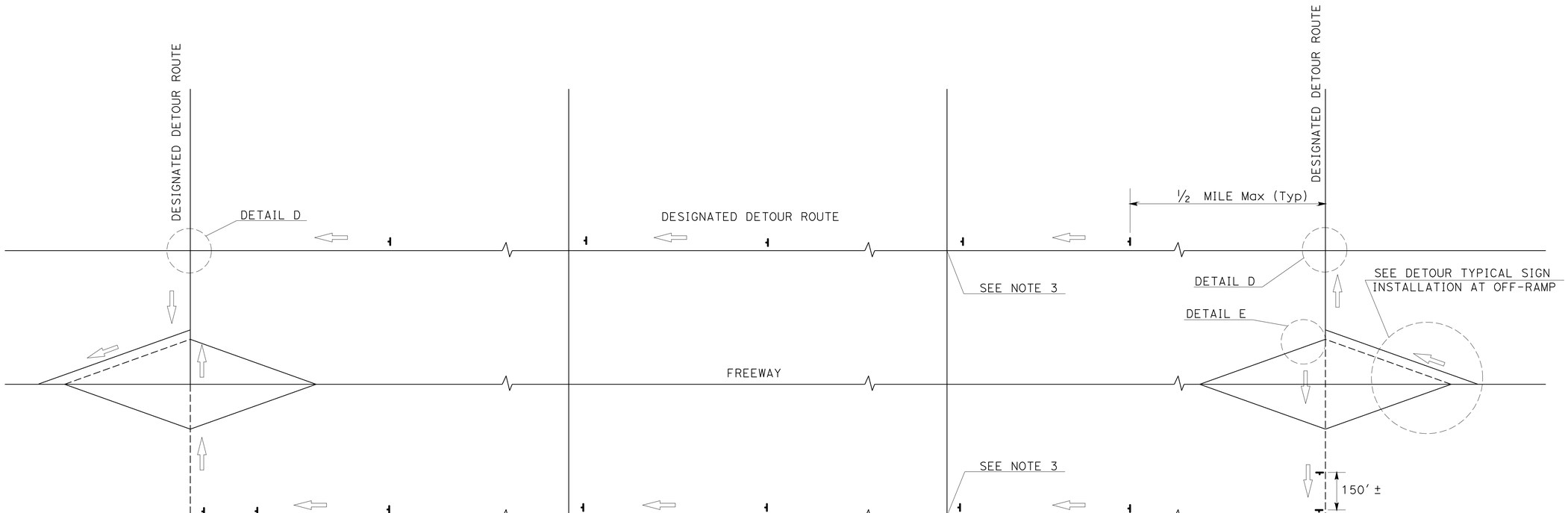
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	32.9/39.6	23	52

Marti Oregel 6-6-11
REGISTERED CIVIL ENGINEER DATE

10-10-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
MARTIN OREGEL
No. 56816
Exp. 6-30-13
CIVIL
STATE OF CALIFORNIA

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



TYPICAL DETOUR SIGN INSTALLATION ALONG DESIGNATED DETOUR ROUTE

LEGEND

⊣	TEMPORARY SIGN (SP-2)
AND/OR	DESIGNATED DETOUR ROUTE
⇨	DIRECTION OF TRAVEL

NOTES:

1. SP-2 SIGNS SHALL NOT BE INSTALLED ON BARRICADES EXCEPT AS OTHERWISE SHOWN.
2. SIGN LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
3. SP-2 SIGNS SHALL BE POSTED AT SIGNALIZED INTERSECTIONS ALONG THE DESIGNATED DETOUR ROUTE OR ½ MILE MAXIMUM APART.

TRAFFIC HANDLING DETAILS

TRAFFIC CONTROL SYSTEM FOR DETOUR SIGN INSTALLATION ALONG DESIGNATED DETOUR ROUTE

SHEET 1 OF 2

NO SCALE

THD-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DTM

FUNCTIONAL SUPERVISOR: JOHN YANG

CALCULATED-DESIGNED BY: ALBERT K YU
CHECKED BY: JOCELYN C CHIANG

REVISED BY: JC
DATE REVISED: 7/10

LAST REVISION
DATE PLOTTED => 25-OCT-2011
TIME PLOTTED => 14:08
00-00-00

BORDER LAST REVISED 7/2/2010

USERNAME => s125624
DGN FILE => 726700me003.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1887

PROJECT NUMBER & PHASE 07000005021

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	32.9/39.6	24	52

Matt Oregel 6-6-11
REGISTERED CIVIL ENGINEER DATE

10-10-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
MARTIN OREGEL
No. 56816
Exp. 6-30-13
CIVIL
STATE OF CALIFORNIA

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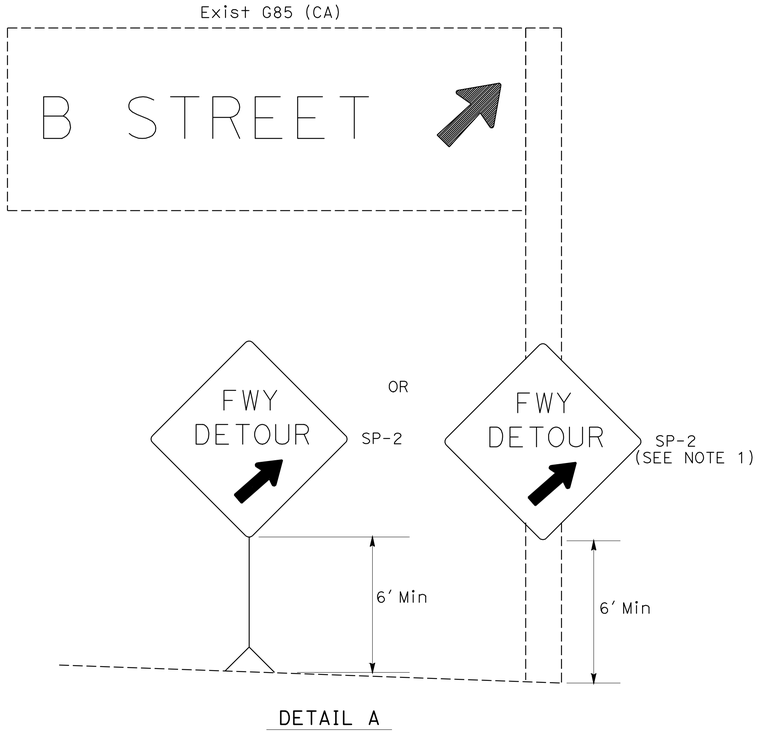
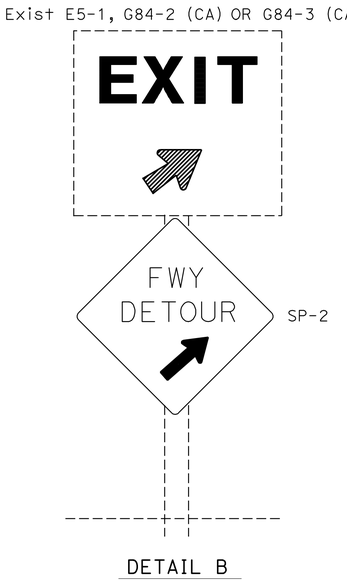


DETAIL A



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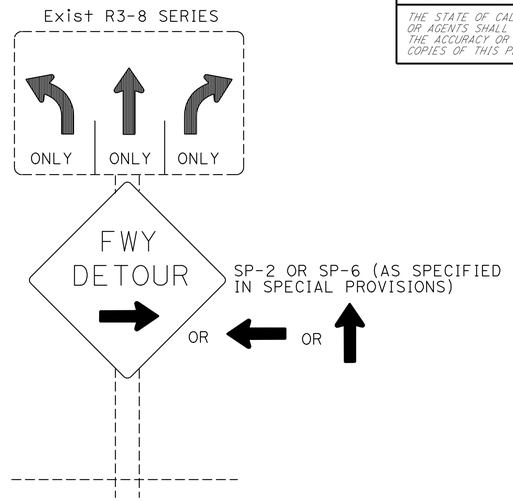
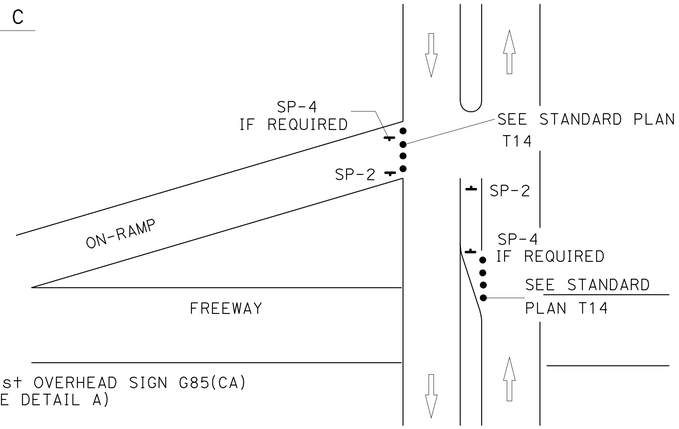


DETAIL C



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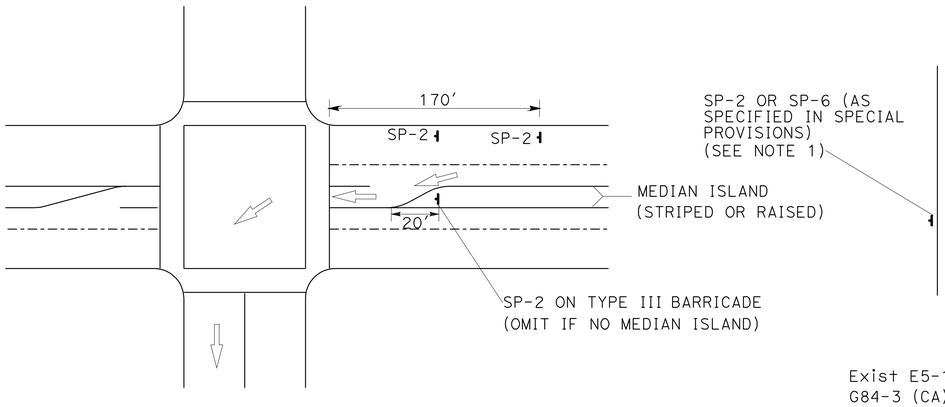
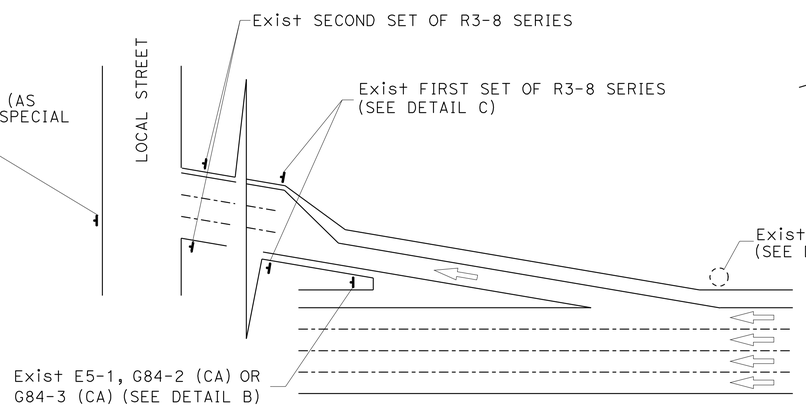


DETAIL D



TYPICAL DETOUR SIGN INSTALLATION AT OFF-RAMP

NOTES:

1. TEMPORARY SIGNS MAY BE STRAPPED ON EXISTING ELECTROLIER, SIGNAL POSTS, OR SIGN POSTS.
2. OMIT DETAIL A AND DETAIL B FOR FULL FREEWAY CLOSURES.
3. SEE TRAFFIC HANDLING DETAILS PLAN-TRAFFIC CONTROL SYSTEM FOR RAMP CLOSURES, DETOUR SIGNS AND MISCELLANEOUS DETAILS SHEET 2 OF 2 FOR SP-6.

ABBREVIATIONS

(CA) CALIFORNIA CODE

LEGENDS

- TRAFFIC CONE
- TEMPORARY SIGN
- DIRECTION OF TRAVEL
- EXISTING OVERHEAD SIGN

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

NO SCALE

THD-4

REVISED BY	JC	CALCULATED-DESIGNED BY	ALBERT K YU
DATE REVISED	8/10	CHECKED BY	JOCELYN C CHIANG

FUNCTIONAL SUPERVISOR: JOHN YANG

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DTM

LAST REVISION: DATE PLOTTED => 25-OCT-2011
00-00-00 TIME PLOTTED => 14:08

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 | DGN FILE => 726700me004.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1887 | PROJECT NUMBER & PHASE 07000005021

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	32.9/39.6	25	52

9-28-11
REGISTERED CIVIL ENGINEER DATE

10-10-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
TIMOTHY LEE
No. C69303
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 / STRUCTURAL QUANTITIES

SHEET No.	LOCATION	ROADWAY EXCAVATION	ROADWAY EXCAVATION (TYPE Z-2) (AERIALLY DEPOSITED LEAD)	HOT MIX ASPHALT	LEAN CONCRETE BASE	CLASS 3 AGGREGATE BASE	REMOVE CONCRETE CURB	FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-UNFRAMED)	INSTALL ROADSIDE SIGN PANEL ON EXISTING POST	REMOVE ASPHALT CONCRETE DIKE	6' CHAIN LINK GATE (TYPE CL-6)	CABLE RAILING	REMOVE CHAIN LINK FENCE	CHAIN LINK FENCE (TYPE CL 6)	TEMPORARY RAILING (TYPE K)	TEMPORARY CRASH CUSHION MODULE	CLASS 2 AGGREGATE BASE	MINOR CONCRETE (TEXTURED PAVING)	CHANNELIZER (SURFACE MOUNTED)	RELOCATE ROADSIDE SIGN	STRUCTURE EXCAVATION (RETAINING WALL)	STRUCTURE EXCAVATION (TYPE Z-2) (AERIALLY DEPOSITED LEAD)	STRUCTURE CONCRETE (RETAINING WALL)	BAR REINFORCING STEEL (RETAINING WALL)	CONCRETE BARRIER (TYPE 60D)	STRUCTURE BACKFILL (RETAINING WALL)
	LOC	CY	CY	TON	CY	CY	LF	SQFT	EA	LF	EA	LF	LF	LF	LF	EA	CY	SQFT	EA	EA	CY	CY	CY	LB	LF	CY
C-3	1										1		6														
C-3	2										1		6														
C-3	3										1		6														
C-3	4										1		6														
C-3	5										1		6														
C-3	6										1		6														
C-3	7										1		6														
C-2	8											340															
C-2	9		32														37	2930									
C-3	10										1		6														
C-2	11		16														18	1402									
C-3	12										1		6														
L-1	13	17	72	37	17	30	50	2	1		4		85	95													
C-2	14											100															
C-2	15		51														56	4530									
C-2	16											200															
C-2	17											170															
C-2	18											250															
C-3	19										1		6														
C-3	20										1		6														
C-3	21										1		6														
C-2	22		48														53	4262									
C-2	23		20														21	1650									
C-2	24		17														18	1402									
L-2	25		90	31	15	26				85										1							
C-2	26		15														15	1182									
C-2	27		6														5	362									
C-2	28		29														31	2460									
C-3	29										1		6														
C-2	30											45															
L-3	31	230	112	42	21	41				85		125			240	14			11		335	65	130	10603	130	256	
C-3	32										1		6														
C-3	33										1		6														
C-3	34										1		6														
TOTAL		247	508	110	53	97	50	2	1	170	20	1230	181	95	240	14	254	20180	11	1	335	65	130	10603	130	256	

TEMPORARY WATER POLLUTION CONTROL QUANTITY SUMMARY

SHEET No.	LOCATION	TEMPORARY GRAVEL BAG BERM	TEMPORARY FIBER ROLL	TEMORARY HYDRAULIC MULCH (BONDED FIBER MATRIX)	TEMPORARY DRAINAGE INTLET PROTECTION
		LF	LF	SQYD	EA
L-1	13	154		209	14
L-2	25	126	460	140	-
L-3	31	165		241	70
TOTAL		444	460	590	84

LANDSCAPE QUANTITY SUMMARY

SHEET No.	LOCATION	MULCH	ARCHITECTURAL TREATMENT
		CY	SQFT
L-1		-	-
L-2	25	110	-
L-3	31	-	750
TOTAL		110	750

SUMMARY OF QUANTITIES
Q - 1

REVISED BY | DATE REVISED
TIMOTHY LEE | CHUNG-FU LUAN
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: CHUNG-FU LUAN
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

LAST REVISION 00-00-00 | DATE PLOTTED => 25-OCT-2011 | TIME PLOTTED => 14:08

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 | DGN FILE => 726700pa001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1807 | PROJECT NUMBER & PHASE 07000005021

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	32.9/39.6	26	52

9-28-11
REGISTERED CIVIL ENGINEER DATE

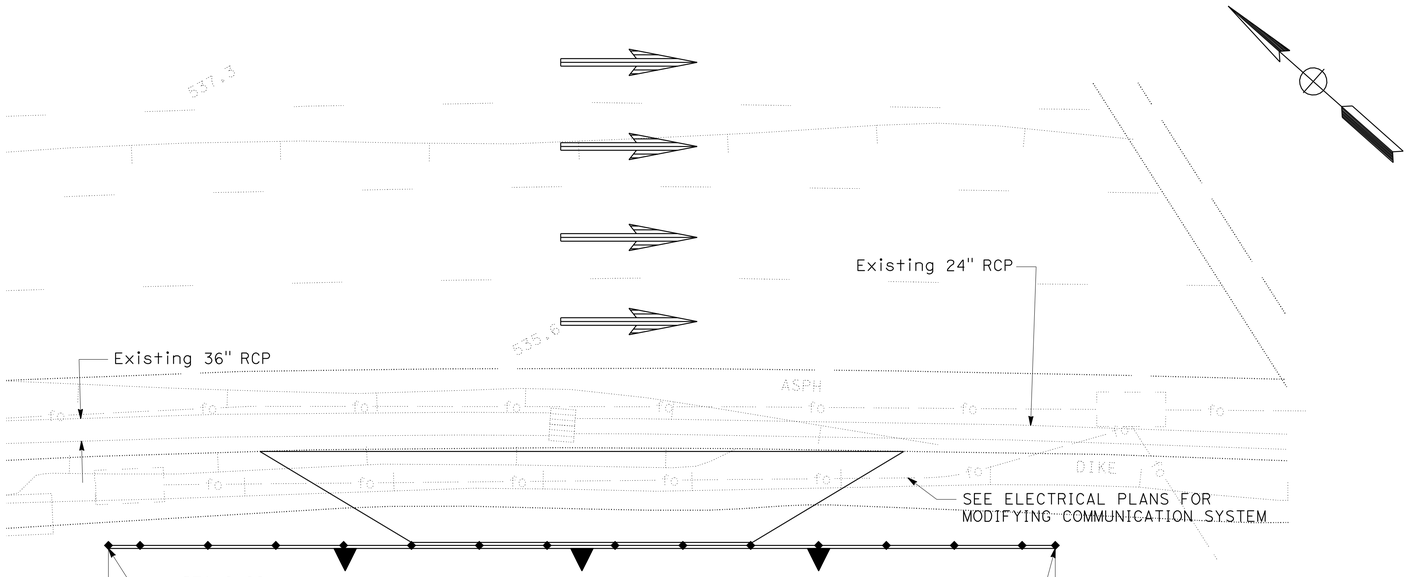
10-10-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
TIMOTHY LEE
No. C69303
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.

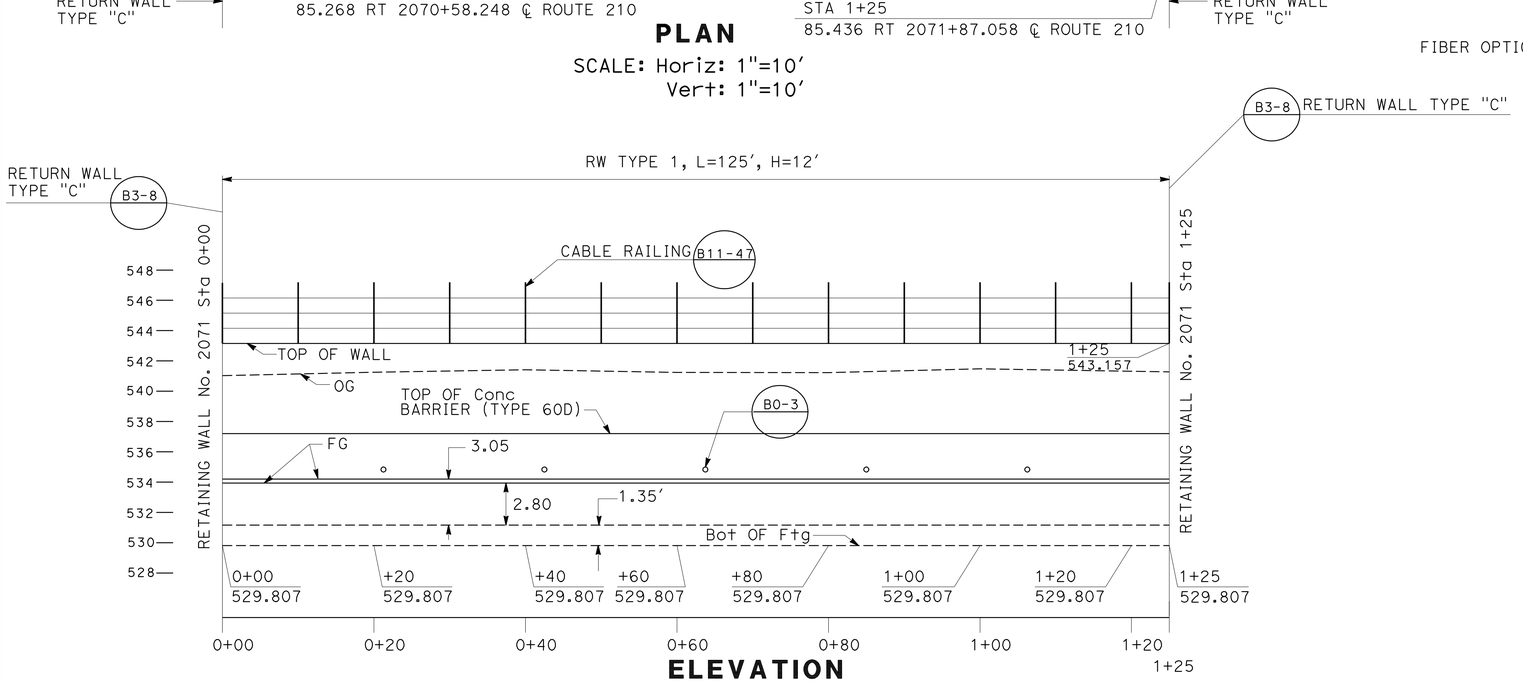
NOTES:

1. THE CONTRACTOR SHALL VERIFY EXISTING CALTRANS UTILITIES BEFORE EXCAVATION.
2. RETAINING WALL AESTHETIC DETAIL, SEE SHEET C-5.



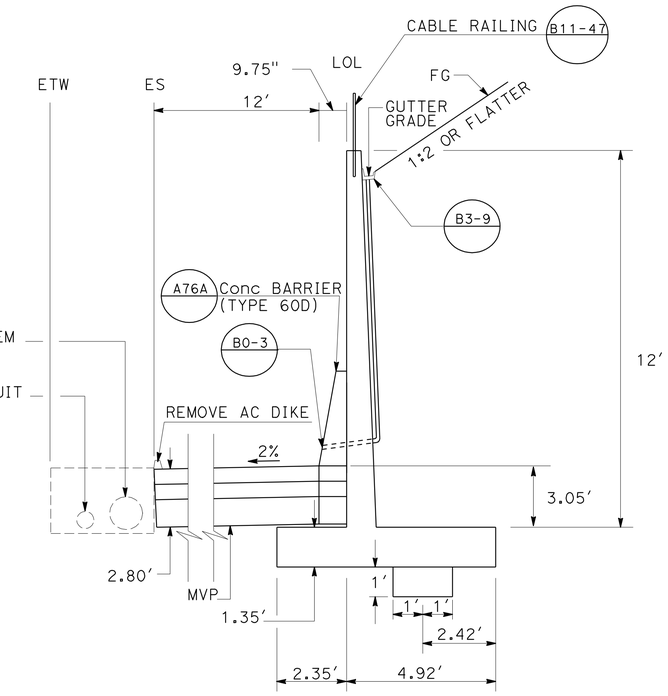
PLAN

SCALE: Horiz: 1"=10'
Vert: 1"=10'



ELEVATION

SCALE: Horiz: 1"=10'
Vert: 1"=5'



B3-1 **TYPICAL SECTION**

NO SCALE

RETAINING WALL PLAN

RETAINING WALL No. 2071

SCALE AS SHOWN

R - 1

TIMOTHY LEE
CHUNG-FU LUAN
FUNCTIONAL SUPERVISOR
CHUNG-FU LUAN
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans

CALCULATED-DESIGNED BY
CHECKED BY
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 25-OCT-2011
00-00-00 TIME PLOTTED => 14:08

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 726700qa001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1807
PROJECT NUMBER & PHASE 0700000502

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	210	32.9/39.6	27	52

Kristopher Barker 5-31-11
CERTIFIED ENGINEERING GEOLOGIST

10-10-11
PLANS APPROVAL DATE

PROFESSIONAL GEOLOGIST — Kristopher Barker — No. 2383 — Exp. 8-31-11 — CERTIFIED ENGINEERING GEOLOGIST — STATE OF CALIFORNIA

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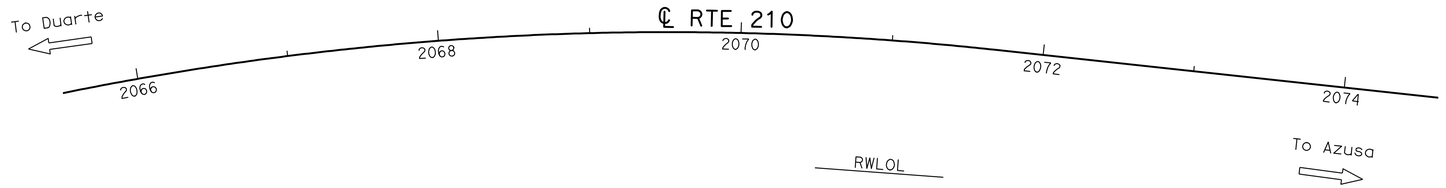
This LOTB sheet was prepared in accordance with the Caltrans Soil & Rock Logging, Classification, & Presentation Manual (June 2007).

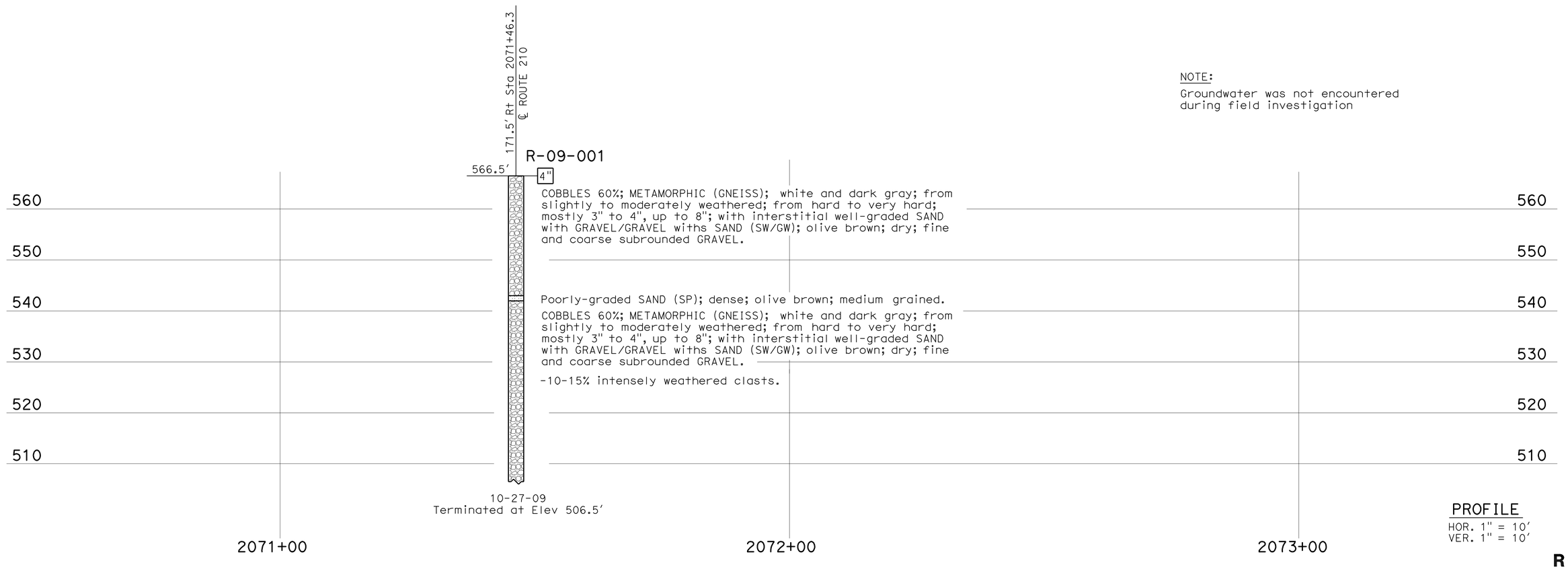


BENCH MARK

BM # G2644 Elev 602.795′
Lead and brad in curb return, 5 ft. south of beginning of curb return at northwest corner of Foothill Blvd. and Coney Ave.
NAVD 88

R-09-001
4"

PLAN
1" = 50′



NOTE:
Groundwater was not encountered during field investigation

PROFILE
HOR. 1" = 10′
VER. 1" = 10′

R-2

ENGINEERING SERVICES	MATERIALS AND GEOTECHNICAL SERVICES	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN	BRIDGE NO.	MAINTENANCE PULLOUT RETAINING WALL
FUNCTIONAL SUPERVISOR: S. Sukiasian	DRAWN BY: C. Christian, I.G-Remmen 11/09	FIELD INVESTIGATION BY: K. Barker	DESIGN BRANCH	POST MILES 39.0	LOG OF TEST BORINGS 1 OF 3
	CHECKED BY: N. Srour		CU 07 EA 267004		

OGS CIVIL LOG OF TEST BORINGS SHEET

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES										SHEET	OF
05-31-11											

FILE => 726700qa002.dgn

USERNAME => s1256624 DATE PLOTTED => 25-OCT-2011 TIME PLOTTED => 14:08

REFERENCE: CALTRANS SOIL & ROCK LOGGING, CLASSIFICATION, AND PRESENTATION MANUAL (JUNE 2007)

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	210	32.9/39.6	28	52

Kristopher Barker 5-31-11
CERTIFIED ENGINEERING GEOLOGIST

10-10-11
PLANS APPROVAL DATE

PROFESSIONAL GEOLOGIST — Kristopher Barker — No. 2383 — Exp. 8-31-11 — CERTIFIED ENGINEERING GEOLOGIST — STATE OF CALIFORNIA

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CEMENTATION

Description	Criteria
Weak	Crumbles or breaks with handling or little finger pressure.
Moderate	Crumbles or breaks with considerable finger pressure.
Strong	Will not crumble or break with finger pressure.

BOREHOLE IDENTIFICATION

Symbol	Hole Type	Description
Size	A	Auger Boring
Size	R P	Rotary drilled boring Rotary percussion boring (air)
Size	R	Rotary drilled diamond core
Size	HD HA	Hand driven (1-inch soil tube) Hand Auger
●	D	Dynamic Cone Penetration Boring
▲	CPT	Cone Penetration Test (ASTM D 5778-95)
⬚	O	Other

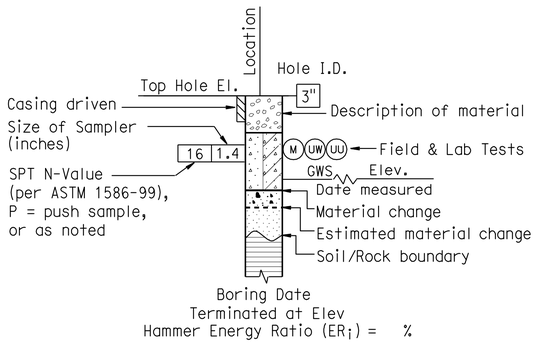
Note: Size in inches.

CONSISTENCY OF COHESIVE SOILS

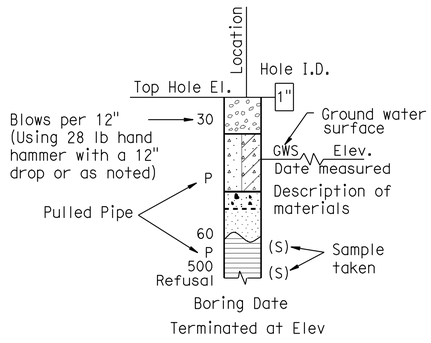
Description	Unconfined Compressive Strength (tsf)	Pocket Penetrometer Measurement (tsf)	Torvane Measurement (tsf)	Field Approximation
Very Soft	< 0.25	< 0.25	< 0.12	Easily penetrated several inches by fist
Soft	0.25 to 0.50	0.25 to 0.50	0.12 to 0.25	Easily penetrated several inches by thumb
Medium Stiff	0.50 to 1.0	0.50 to 1.0	0.25 to 0.50	Penetrated several inches by thumb with moderate effort
Stiff	1 to 2	1 to 2	0.50 to 1.0	Readily indented by thumb but penetrated only with great effort
Very Stiff	2 to 4	2 to 4	1.0 to 2.0	Readily indented by thumbnail
Hard	> 4.0	> 4.0	> 2.0	Indented by thumbnail with difficulty

PLASTICITY OF FINE-GRAINED SOILS

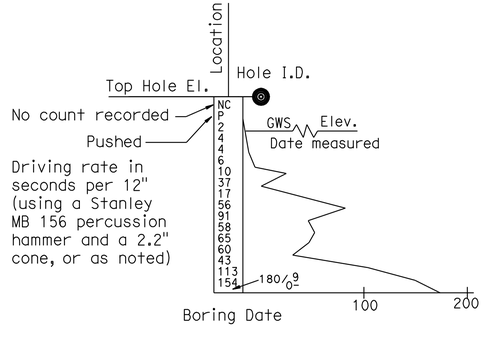
Description	Criteria
Nonplastic	A 1/8-inch thread cannot be rolled at any water content.
Low	The thread can barely be rolled and the lump cannot be formed when drier than the plastic limit.
Medium	The thread is easy to roll and not much time is required to reach the plastic limit. The thread cannot be rerolled after reaching the plastic limit. The lump crumbles when drier than the plastic limit.
High	It takes considerable time rolling and kneading to reach the plastic limit. The thread can be rerolled several times after reaching the plastic limit. The lump can be formed without crumbling when drier than the plastic limit.



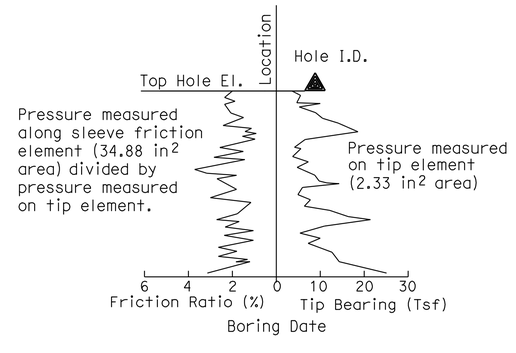
ROTARY BORING



HAND BORING



DYNAMIC CONE PENETRATION BORING



CONE PENETRATION TEST (CPT) SOUNDING

R-3

ENGINEERING SERVICES	MATERIALS AND GEOTECHNICAL SERVICES	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN	BRIDGE NO.	MAINTENANCE PULLOUT RETAINING WALL
	PREPARED BY: I.G-Remmen		DESIGN BRANCH	POST MILE 39.0	LOG OF TEST BORINGS

GS LOTB SOIL LEGEND

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU 07
EA 267004

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES	SHEET	OF
05-31-11		

FILE => 726700qa003.dgn

USERNAME => s1125624 DATE PLOTTED => 25-OCT-2011 TIME PLOTTED => 14:09

REFERENCE: CALTRANS SOIL & ROCK LOGGING, CLASSIFICATION, AND PRESENTATION MANUAL (JUNE 2007)

GROUP SYMBOLS AND NAMES

Graphic/Symbol	Group Names	Graphic/Symbol	Group Names
GW	Well-graded GRAVEL Well-graded GRAVEL with SAND	CL	Lean CLAY Lean CLAY with SAND Lean CLAY with GRAVEL SANDY lean CLAY SANDY lean CLAY with GRAVEL GRAVELLY lean CLAY GRAVELLY lean CLAY with SAND
GP	Poorly graded GRAVEL Poorly graded GRAVEL with SAND		
GW-GM	Well-graded GRAVEL with SILT Well-graded GRAVEL with SILT and SAND	CL-ML	SILTY CLAY SILTY CLAY with SAND SILTY CLAY with GRAVEL SANDY SILTY CLAY SANDY SILTY CLAY with GRAVEL GRAVELLY SILTY CLAY GRAVELLY SILTY CLAY with SAND
GW-GC	Well-graded GRAVEL with CLAY (or SILTY CLAY) Well-graded GRAVEL with CLAY and SAND (or SILTY CLAY and SAND)		
GP-GM	Poorly graded GRAVEL with SILT Poorly graded GRAVEL with SILT and SAND	ML	SILT SILT with SAND SILT with GRAVEL SANDY SILT SANDY SILT with GRAVEL GRAVELLY SILT GRAVELLY SILT with SAND
GP-GC	Poorly graded GRAVEL with CLAY (or SILTY CLAY) Poorly graded GRAVEL with CLAY and SAND (or SILTY CLAY and SAND)		
GM	SILTY GRAVEL SILTY GRAVEL with SAND	OL	ORGANIC lean CLAY ORGANIC lean CLAY with SAND ORGANIC lean CLAY with GRAVEL SANDY ORGANIC lean CLAY SANDY ORGANIC lean CLAY with GRAVEL GRAVELLY ORGANIC lean CLAY GRAVELLY ORGANIC lean CLAY with SAND
GC	CLAYEY GRAVEL CLAYEY GRAVEL with SAND		
GC-GM	SILTY, CLAYEY GRAVEL SILTY, CLAYEY GRAVEL with SAND	OL	ORGANIC SILT ORGANIC SILT with SAND ORGANIC SILT with GRAVEL SANDY ORGANIC SILT SANDY ORGANIC SILT with GRAVEL GRAVELLY ORGANIC SILT GRAVELLY ORGANIC SILT with SAND
SW	Well-graded SAND Well-graded SAND with GRAVEL		
SP	Poorly graded SAND Poorly graded SAND with GRAVEL	CH	Fat CLAY Fat CLAY with SAND Fat CLAY with GRAVEL SANDY fat CLAY SANDY fat CLAY with GRAVEL GRAVELLY fat CLAY GRAVELLY fat CLAY with SAND
SW-SM	Well-graded SAND with SILT Well-graded SAND with SILT and GRAVEL		
SW-SC	Well-graded SAND with CLAY (or SILTY CLAY) Well-graded SAND with CLAY and GRAVEL (or SILTY CLAY and GRAVEL)	MH	Elastic SILT Elastic SILT with SAND Elastic SILT with GRAVEL SANDY elastic SILT SANDY elastic SILT with GRAVEL GRAVELLY elastic SILT GRAVELLY elastic SILT with SAND
SP-SM	Poorly graded SAND with SILT Poorly graded SAND with SILT and GRAVEL		
SP-SC	Poorly graded SAND with CLAY (or SILTY CLAY) Poorly graded SAND with CLAY and GRAVEL (or SILTY CLAY and GRAVEL)	OH	ORGANIC fat CLAY ORGANIC fat CLAY with SAND ORGANIC fat CLAY with GRAVEL SANDY ORGANIC fat CLAY SANDY ORGANIC fat CLAY with GRAVEL GRAVELLY ORGANIC fat CLAY GRAVELLY ORGANIC fat CLAY with SAND
SM	SILTY SAND SILTY SAND with GRAVEL		
SC	CLAYEY SAND CLAYEY SAND with GRAVEL	OH	ORGANIC elastic SILT ORGANIC elastic SILT with SAND ORGANIC elastic SILT with GRAVEL SANDY ORGANIC elastic SILT SANDY ORGANIC elastic SILT with GRAVEL GRAVELLY ORGANIC elastic SILT GRAVELLY ORGANIC elastic SILT with SAND
SC-SM	SILTY, CLAYEY SAND SILTY, CLAYEY SAND with GRAVEL		
PT	PEAT	OL/OH	ORGANIC SOIL ORGANIC SOIL with SAND ORGANIC SOIL with GRAVEL SANDY ORGANIC SOIL SANDY ORGANIC SOIL with GRAVEL GRAVELLY ORGANIC SOIL GRAVELLY ORGANIC SOIL with SAND
	COBBLES COBBLES and BOULDERS BOULDERS		

FIELD AND LABORATORY TESTING

- (C) Consolidation (ASTM D 2435)
- (CL) Collapse Potential (ASTM D 5333)
- (CP) Compaction Curve (CTM 216)
- (CR) Corrosivity Testing (CTM 643, CTM 422, CTM 417)
- (CU) Consolidated Undrained Triaxial (ASTM D 4767)
- (DS) Direct Shear (ASTM D 3080)
- (EI) Expansion Index (ASTM D 4829)
- (M) Moisture Content (ASTM D 2216)
- (OC) Organic Content-% (ASTM D 2974)
- (P) Permeability (CTM 220)
- (PA) Particle Size Analysis (ASTM D 422)
- (PI) Plasticity Index (AASHTO T 90) Liquid Limit (AASHTO T 89)
- (PL) Point Load Index (ASTM D 5731)
- (PM) Pressure Meter
- (PP) Pocket Penetrometer
- (R) R-Value (CTM 301)
- (SE) Sand Equivalent (CTM 217)
- (SG) Specific Gravity (AASHTO T 100)
- (SL) Shrinkage Limit (ASTM D 427)
- (SW) Swell Potential (ASTM D 4546)
- (TV) Pocket Torvane
- (UC) Unconfined Compression-Soil (ASTM D 2166) Unconfined Compression-Rock (ASTM D 2938)
- (UU) Unconsolidated Undrained Triaxial (ASTM D 2850)
- (UW) Unit Weight (ASTM D 4767)
- (VS) Vane Shear (AASHTO T 223)

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	210	32.9/39.6	29	52

Kristopher Barker 5-31-11
CERTIFIED ENGINEERING GEOLOGIST

10-10-11
PLANS APPROVAL DATE

PROFESSIONAL GEOLOGIST — Kristopher Barker — No. 2383 — Exp. 8-31-11 — CERTIFIED ENGINEERING GEOLOGIST — STATE OF CALIFORNIA

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APPARENT DENSITY OF COHESIONLESS SOILS

Description	SPT N_{60} (Blows / 12 inches)
Very loose	0 - 4
Loose	5 - 10
Medium Dense	11 - 30
Dense	31 - 50
Very Dense	> 50

MOISTURE

Description	Criteria
Dry	Absence of moisture, dusty, dry to the touch
Moist	Damp but no visible water
Wet	Visible free water, usually soil is below water table

PERCENT OR PROPORTION OF SOILS

Description	Criteria
Trace	Particles are present but estimated to be less than 5%
Few	5 to 10%
Little	15 to 25%
Some	30 to 45%
Mostly	50 to 100%

PARTICLE SIZE

Description		Size
Boulder		> 12"
Cobble		3" to 12"
Gravel	Coarse	3/4" to 3"
	Fine	No. 4 to 3/4"
Sand	Coarse	No. 10 to No. 4
	Medium	No. 40 to No. 10
	Fine	No. 200 to No. 40

R-4

DATE PLOTTED => 25-OCT-2011 TIME PLOTTED => 14:09

ENGINEERING SERVICES	MATERIALS AND GEOTECHNICAL SERVICES	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN	BRIDGE NO.	MAINTENANCE PULLOUT RETAINING WALL
	PREPARED BY: I.G-Remmen		DESIGN BRANCH	POST MILE 39.0	LOG OF TEST BORINGS

GS LOTB SOIL LEGEND

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU 07
EA 267004

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES										SHEET	OF
05-31-11											

FILE => 726700qa004.dgn

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	32.9/39.6	30	52

LICENSED LANDSCAPE ARCHITECT

10-10-11
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.

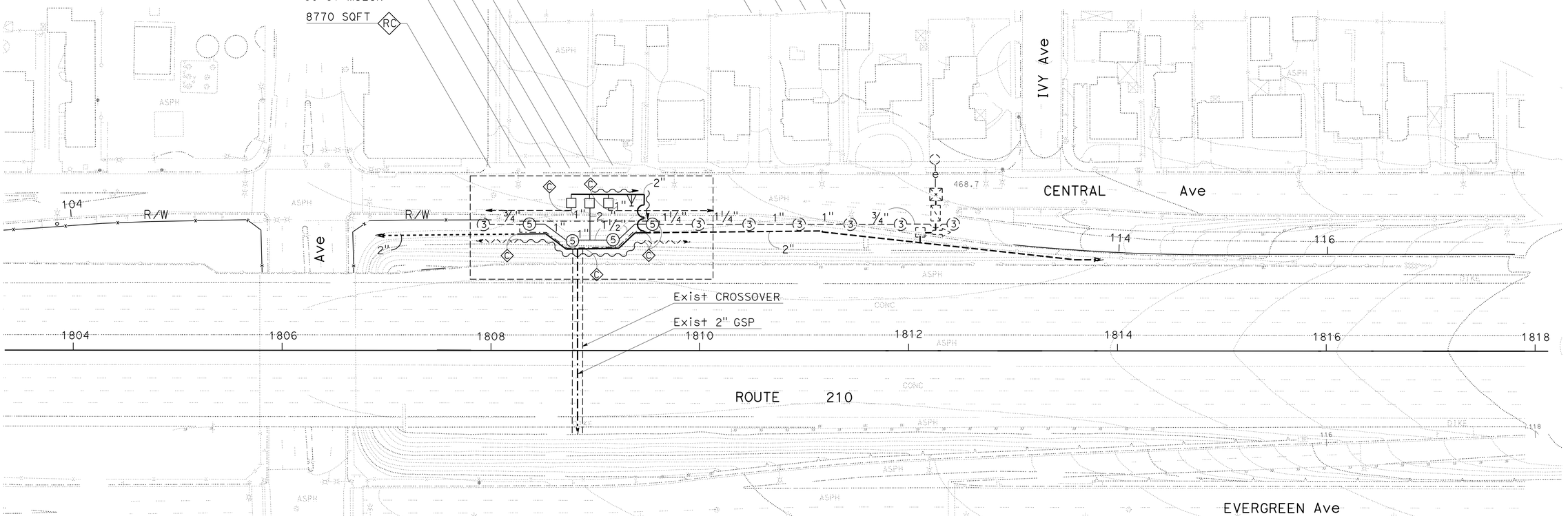
LICENSED LANDSCAPE ARCHITECT
JOSEPH MILLMAN
NO. 1851
Signature
07/31/2012
Renewal Date
08/12/2011
Date
STATE OF CALIFORNIA

MULCH

XX SQFT RC (ROADSIDE CLEARING)

1¼" BV
1"-E-7
1½"-E-3-22
1"-E-5
30 CY MULCH
8770 SQFT RC

Exist POLE # 769005E
Exist 3" WATER METER
Exist 2" BPA
Exist BOOSTER PUMP
Exist 2" RCVM



PLANTING AND IRRIGATION PLAN

SCALE: 1"=50'

PI-1

APPROVED FOR PLANTING AND IRRIGATION WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: PATTY WATANABE

CALCULATED-DESIGNED BY: KARIM SALARI
CHECKED BY: JOE MILLMAN

REVISED BY | DATE REVISED

DATE PLOTTED => 25-OCT-2011
TIME PLOTTED => 14:09

00-00-00

USERNAME => s125624
DGN FILE => 726700tm001.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1851

PROJECT NUMBER & PHASE 07000005021

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	32.9/39.6	31	52

LICENSED LANDSCAPE ARCHITECT

10-10-11
PLANS APPROVAL DATE

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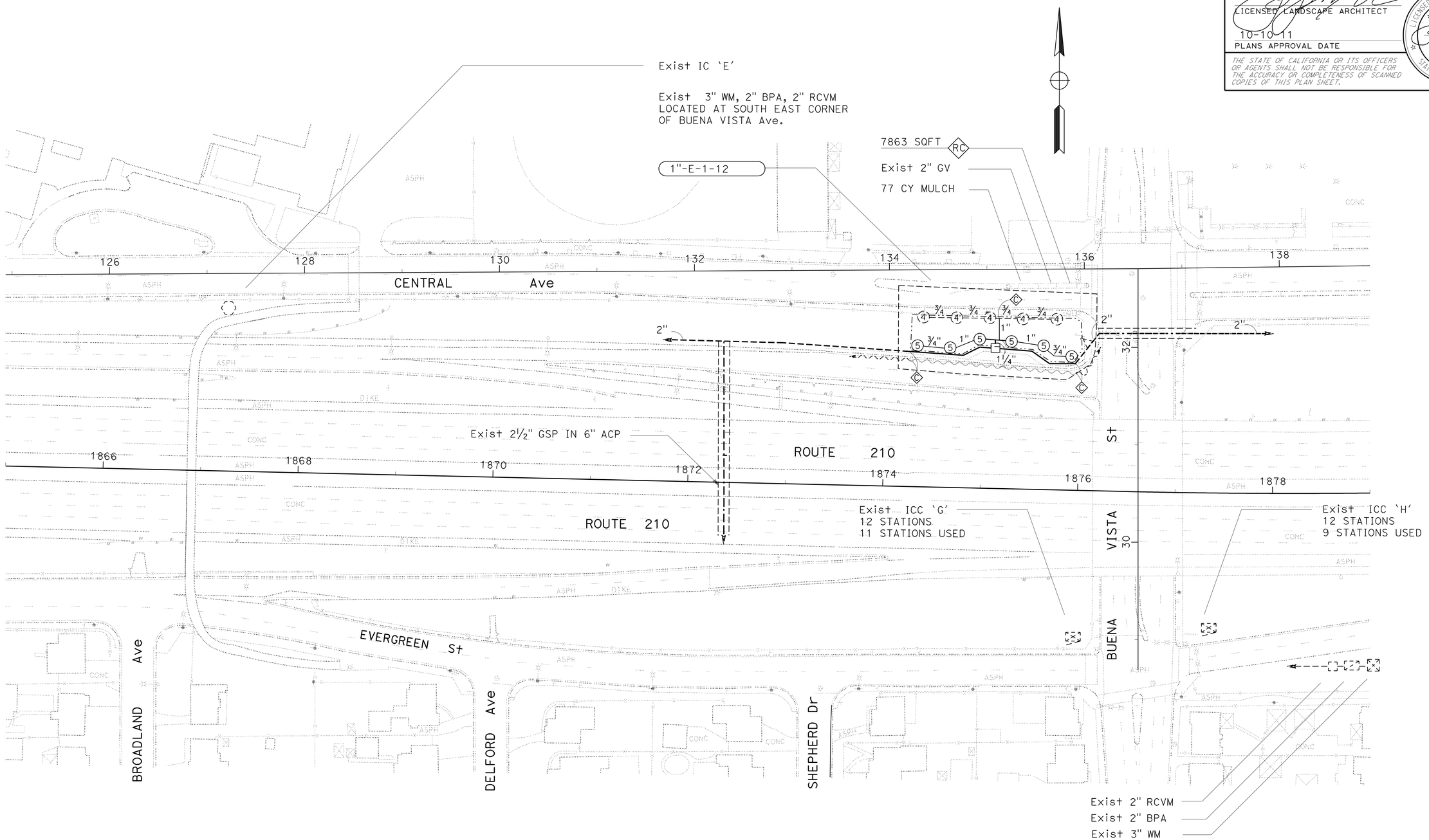
LICENSED LANDSCAPE ARCHITECT
JOSEPH MILLMAN
NO. 1831
Signature
07/31/2012
Renewal Date
08/12/2011
Date
STATE OF CALIFORNIA



PLANTING AND IRRIGATION PLAN

SCLE: 1"=50'

PI-2

APPROVED FOR PLANTING AND IRRIGATION WORK ONLY

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY: KARIM SALARI
CHECKED BY: JOE MILLMAN
SENIOR LANDSCAPE ARCHITECT: PATTY WATANABE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
LANDSCAPE ARCHITECTURE

LAST REVISION: DATE PLOTTED => 25-OCT-2011 TIME PLOTTED => 14:10
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USERNAME => s125624
DGN FILE => 726700tm002.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1851

PROJECT NUMBER & PHASE 07000005021

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	32.9/39.6	32	52

LICENSED LANDSCAPE ARCHITECT

10-10-11
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT JOSEPH MILLMAN NO. 1831 Signature 07/31/2012 Renewal Date 08/12/2011 Date STATE OF CALIFORNIA

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

SPRINKLER SCHEDULE

SYMBOL	TYPE	DESCRIPTION	SPRAY PATTERN	OPERATING PRESSURE (PSI)	PRESSURE COMPENSATING	PLUS/MINUS 5% ② DISCHARGE: GALLONS PER MINUTE (GPM)	DISCHARGE: GALLONS PER HOUR (GPH)	RADIUS (F+)	WIDTH x LENGTH (F+)	MATERIAL	NOZZLE SIZE (INCH)	INLET CONNECTION (NPT INCH)	POSITIVE-LOCKING ADJ ARC STOP	BACKSPLASH PREVENTER	DIFFUSER PIN	DISTANCE CONTROL FLAP	ADJ DISCHARGE	RISER: TYPE	RISER: MATERIAL: PLASTIC	RISER: MATERIAL: GALVANIZED	RISER: SIZE (IPS INCH)	RISER: HEIGHT (INCH)	RISER: FLOW SHUTOFF DEVICE	⑤ SWING JOINT (TYPE)	RISER SUPPORT	SPRINKLER PROTECTOR (TYPE)	REMARKS
⑤	A-5	GEAR DRIVEN	H	35-110	—	2.0	—	38′	—	PL	—	¾"	—	—	—	—	X	IV	—	X	—	18	X	I	X	—	

X IN BOX DENOTES REQUIREMENT

APPLICABLE WHEN CIRCLED BELOW:

1 - See Special Provisions.
② - If a pressure compensating device is specified, the discharge and radii shown reflect its use.
3 - Arc Stop shall be fitted with a nut and bolt.
4 - Vinyl-coated cast iron housing.
⑤ - Swing Joints required adjacent to shoulders, curbs, sidewalks, and dikes.
6 - Unless otherwise shown on plans.

ABBREVIATIONS

F — full circle
P — part circle
F/P — full/part circle
Q — quarter circle
T — third circle
H — half circle
TT — two third circle
TQ — three quarter circle
CST — center strip
SST — side strip
EST — end strip
Ft — feet/foot
GPM — gallons per minute
GPH — gallons per hour
Adj — adjustable
PL — plastic
B/B — brass/bronze
B/PL — brass/plastic
B/B/PL — brass/bronze/plastic
NPT — national pipe thread
IPS — iron pipe size
PSI — pounds per square inch

LANDSCAPE DETAILS

LD-1

CALCULATED-DESIGNED BY: KARIM SALARI
CHECKED BY: JOE MILLMAN
REVISED BY
DATE REVISED

SENIOR LANDSCAPE ARCHITECT: PATTY WATANABE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
LANDSCAPE ARCHITECTURE

LAST REVISION 00-00-00
DATE PLOTTED => 25-OCT-2011
TIME PLOTTED => 14:10

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 726700tn001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1851
PROJECT NUMBER & PHASE 07000005021

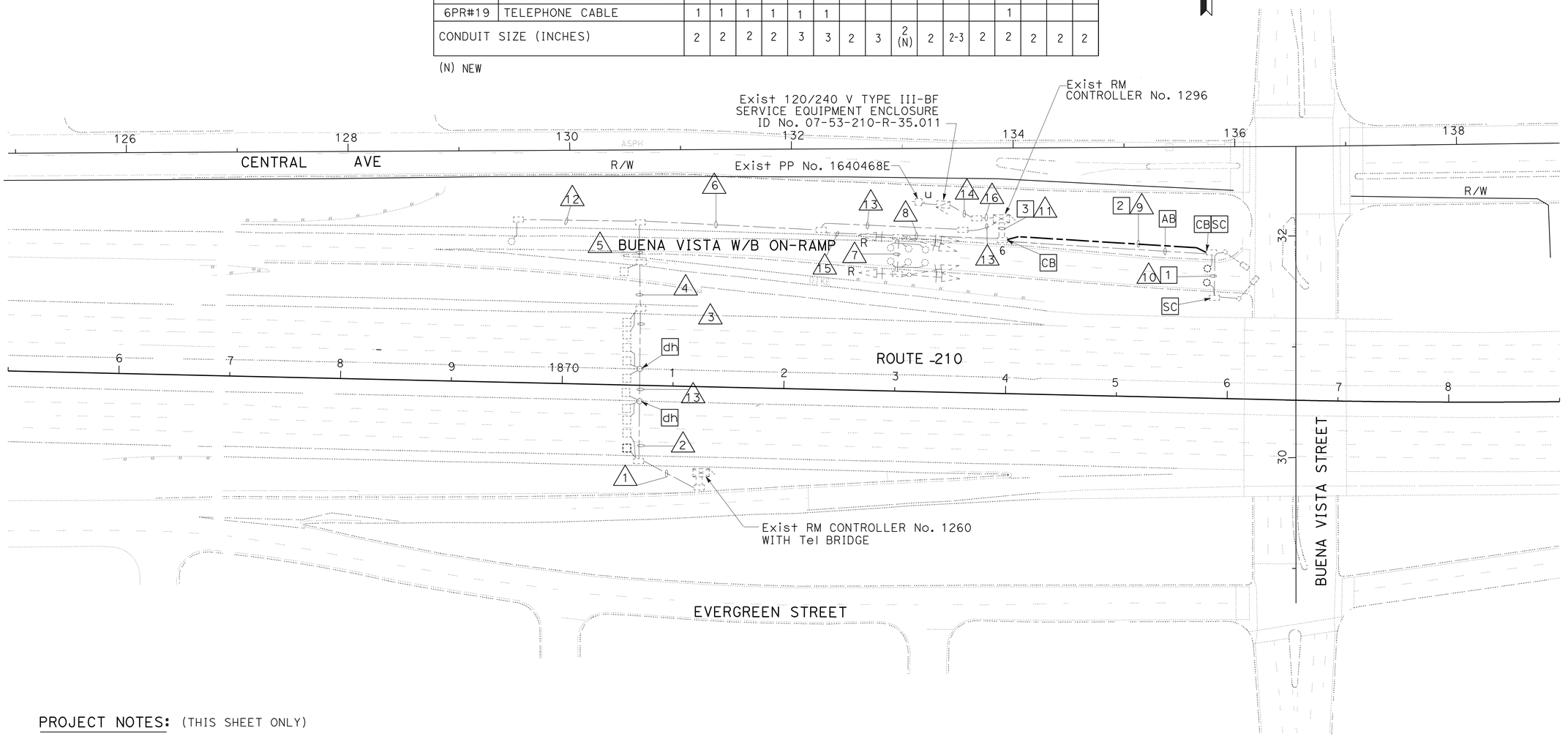
NOTE:

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

EXISTING CONDUIT AND CONDUCTOR SCHEDULE

AWG OR CABLE	FUNCTION	CONDUIT RUN 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
9CSC	RAMP SIGNAL							1	2			2					
5CSC	METER-ON									2(N)	1(N)	2(N)					
#4	RM CONTROLLER SERVICE											2			2		2
DLC	COUNT DETECTOR					1	2		2			2	1			2	
	DEMAND DETECTOR							1	2			2					
	PASSAGE DETECTOR							1	2			2					
	QUEUE DETECTOR									2(N)	1(N)	2(N)					
	SURVEILLANCE DETECTOR	5	3	3	5	5	5		5			5				5	
6PR#19	TELEPHONE CABLE	1	1	1	1	1	1							1			
CONDUIT SIZE (INCHES)		2	2	2	2	3	3	2	3	2 (N)	2	2-3	2	2	2	2	2

(N) NEW



PROJECT NOTES: (THIS SHEET ONLY)

1 RC 1-5csc, 1dlc. INSTALL 1-5CSC AND 1DLC.

2 INSTALL 53C CONDUIT. INSTALL 2-5CSC AND 2DLC.

3 RC 2-5csc, 2dlc. INSTALL 2-5CSC AND 2DLC.

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

MODIFY RAMP METERING SYSTEM
(ROUTE 210 AND BUENA VISTA STREET)

SCALE: 1" = 50'

E-1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	32.9/39.6	33	52

REGISTERED ELECT ENGINEER — 9-28-11 DATE

C.BURCIAGA No. E015302 Exp 3/31/13 ELECT — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

10-10-11
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.

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY: HOSSAIN KIAN
CHECKED BY: CECILIO BURCIAGA

FUNCTIONAL SUPERVISOR: YI TSAU

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

LAST REVISION | DATE PLOTTED => 25-OCT-2011
00-00-00 | TIME PLOTTED => 14:10

BORDER LAST REVISED 7/1/2010

USERNAME => s125624
DGN FILE => 726700ua001.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1880

PROJECT NUMBER & PHASE 07000005021

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	32.9/39.6	34	52

9-28-11
REGISTERED ELECT ENGINEER DATE

10-10-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
C.BURCIAGA
No. E015302
Exp 3/31/13
ELECT
STATE OF CALIFORNIA

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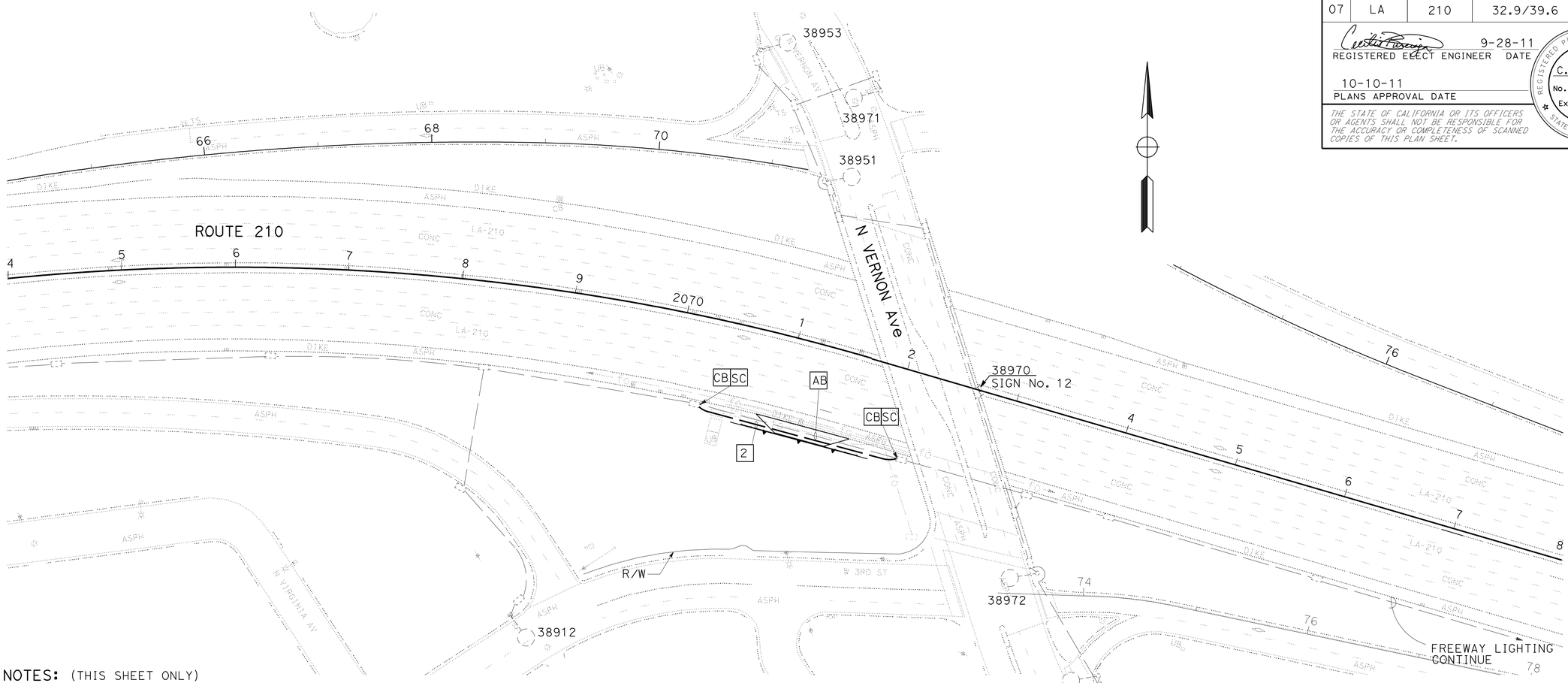

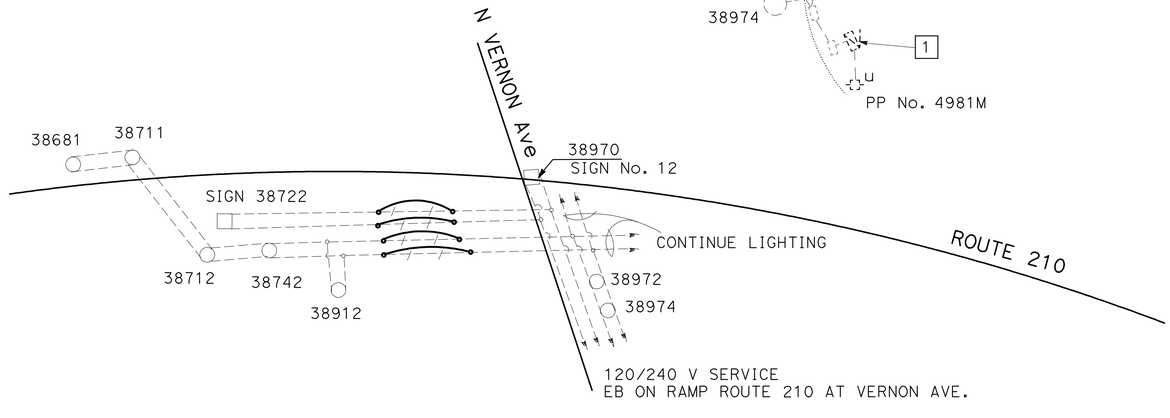

WIRING DIAGRAM
NO SCALE

PROJECT NOTES: (THIS SHEET ONLY)

1. EXISTING TYPE III-BF SERVICE EQUIPMENT ENCLOSURE WITH:
   100 AMP MAIN CB
   15 AMP CB PEC
   40 AMP CB FREEWAY LIGHTING
   ADDRESS: EB ON RAMP ROUTE 210 AT VERNON AVE.
   ID No. 07 53 210 038.950
2. INSTALL 53C, 30" UNDER ES, 4#8 AND 1#8G.

WIRING DIAGRAM LEGEND: (THIS SHEET)

- ○ EXISTING LUMINAIRE TO REMAIN
- □ EXISTING SIGN ILLUMINATION EQUIPMENT TO REMAIN
- ---- EXISTING CONDUCTORS TO REMAIN
- -/-/- EXISTING CONDUCTORS TO BE REMOVED
- —— INSTALL No. 8 CONDUCTORS, UNLESS OTHERWISE NOTED.
- • NEW SPLICE
- ◦ EXISTING SPLICE

MODIFY LIGHTING AND SIGN ILLUMINATION (ROUTE 210 AND VERNON AVE)

SCALE: 1"=50'

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

E-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN
FUNCTIONAL SUPERVISOR: YI TSAU
CALCULATED-DESIGNED BY: HOSSAIN KIAN
CHECKED BY: CECILIO BURCIAGA
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 25-OCT-2011
00-00-00 TIME PLOTTED => 14:10

BORDER LAST REVISED 7/1/2010
USERNAME => s125624
DGN FILE => 726700ua002.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1880
PROJECT NUMBER & PHASE 07000005021

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	32.9/39.6	35	52

Conway Chu 9-28-11
REGISTERED CIVIL ENGINEER DATE

10-10-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CONWAY CHU
No. E15305
Exp 3/31/13
ELECTRICAL
STATE OF CALIFORNIA

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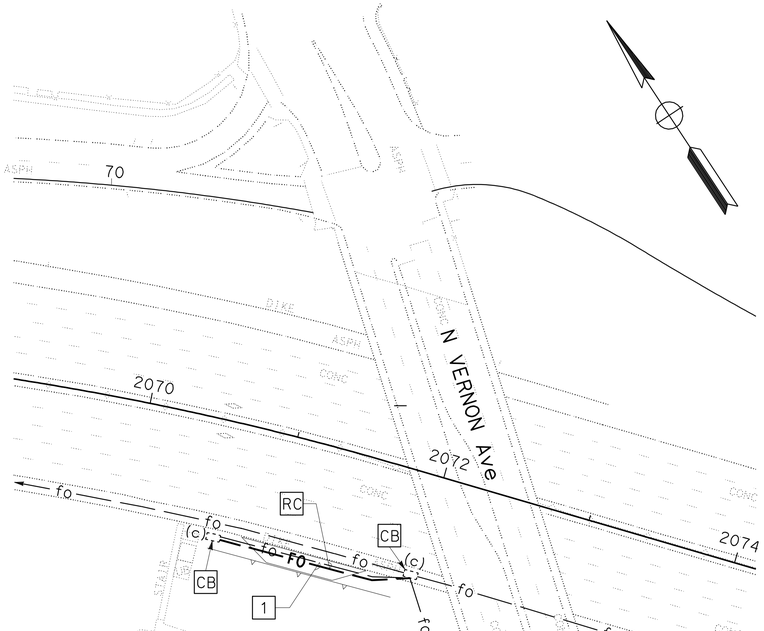
NOTE:

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

NOTE: (THIS SHEET)

1 2"C, MT.



THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

MODIFY COMMUNICATION SYSTEM

SCALE: 1"=50'

E - 3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
OFFICE OF ITS
FUNCTIONAL SUPERVISOR: JACQUELINE C TAN
CALCULATED-DESIGNED BY: CONWAY CHU
CHECKED BY:
REVISED BY / DATE REVISED:

LAST REVISION DATE PLOTTED => 25-OCT-2011
TIME PLOTTED => 14:10
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BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 726700ua003.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1885
PROJECT NUMBER & PHASE 07000005021

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	210	32.9/39.6	36	52

REGISTERED CIVIL ENGINEER

June 5, 2009
PLANS APPROVAL DATE

Glenn DeCou
No. C34547
Exp. 9-30-09
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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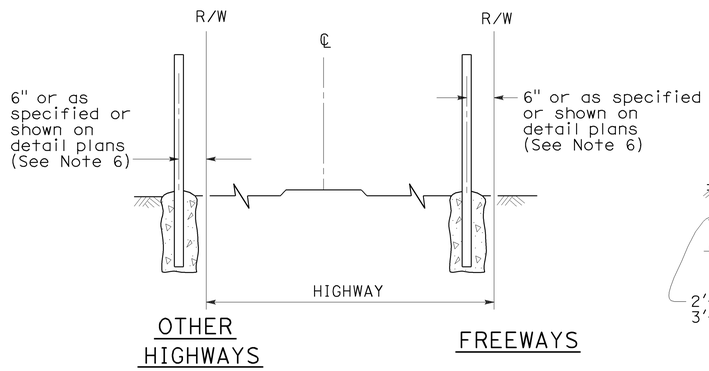
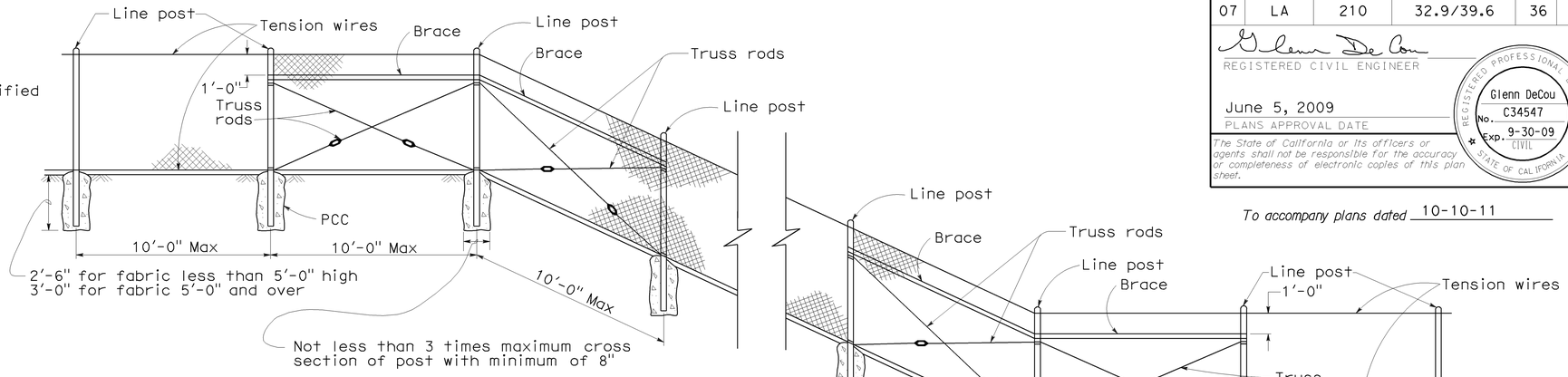
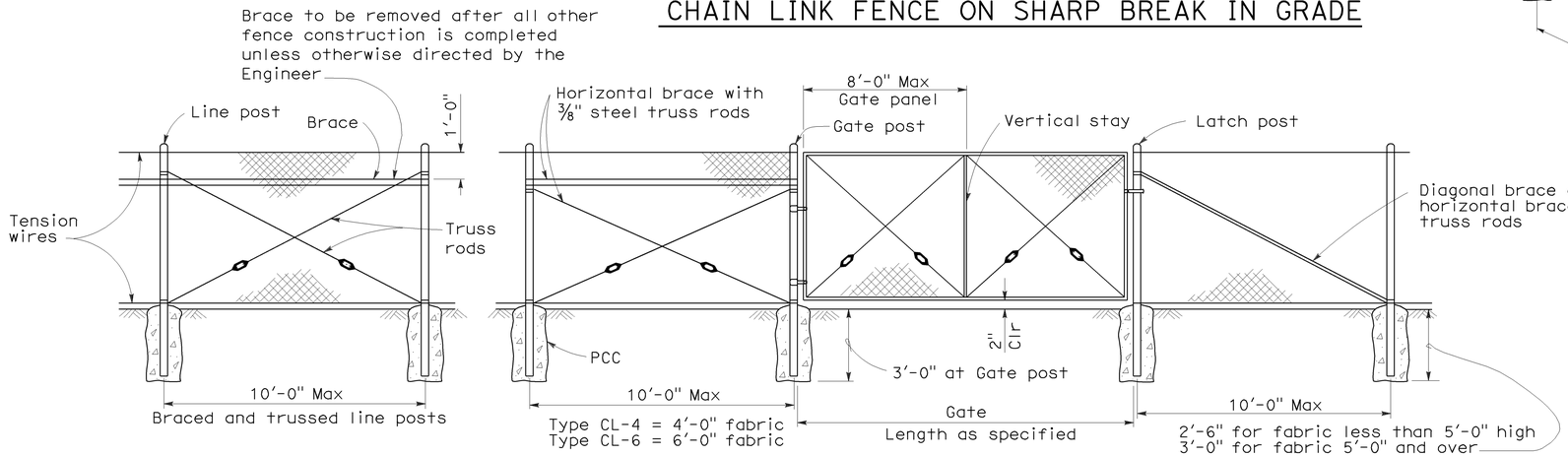
To accompany plans dated 10-10-11



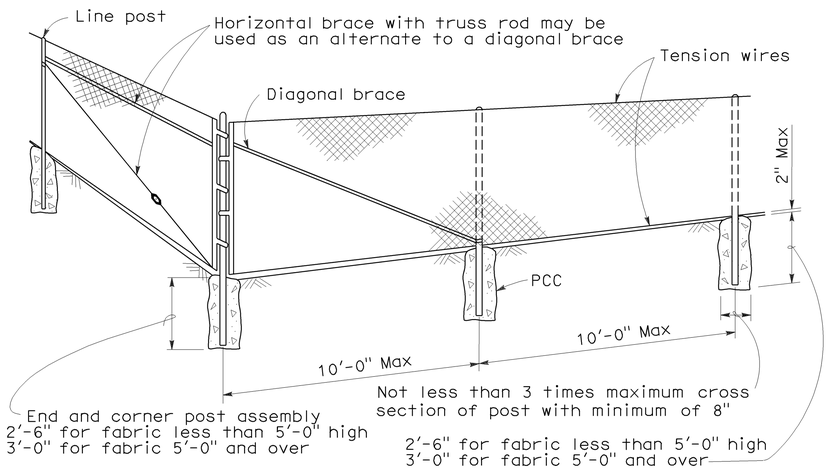
FENCE LOCATION



CHAIN LINK FENCE ON SHARP BREAK IN GRADE



CHAIN LINK GATE INSTALLATION



CORNER POST

NOTES:

1. The below table shows examples of post and brace sections which may comply with the Specifications.
2. Sections shown in the tables must also comply with the strength requirements and other provisions of the Specifications.
3. Other sections which comply with the strength requirements and other provisions of the Specifications may be used on approval of the Engineer.
4. Options exercised shall be uniform on any one project.
5. Dimensions shown are nominal.
6. Offset to be 2'-0" at monument locations, measured at right angles to R/W lines. Taper to achieve offset to be at least 20'-0" long.

GATE POST

FENCE HEIGHT	GATE WIDTHS	NOMINAL ID	WEIGHT PER FOOT
6'-0" and Less	Up thru 6'-0"	2½"	4.95 LB
	Over 6'-0" thru 12'-0"	4"	10.79 LB
	Over 12'-0" thru 18'-0"	5"	14.62 LB
	Over 18'-0" to 24'-0" Max	6"	18.97 LB
Over 6'-0"	Up thru 6'-0"	3"	7.58 LB
	Over 6'-0" thru 12'-0"	5"	14.62 LB
	Over 12'-0" thru 18'-0"	6"	18.97 LB
	Over 18'-0" to 24'-0" Max	8"	28.55 LB

Above post dimensions and weights are minimums. Larger sizes may be used on approval of the Engineer.

TYPICAL MEMBER DIMENSIONS (See Notes)

FENCE HEIGHT	LINE POSTS			END, LATCH & CORNER POSTS			BRACES			
	ROUND ID	H	ROLL FORMED	ROUND ID	ROLL FORMED		ROUND ID	H	ROLL FORMED	
					⌐	⌐⌐ []			⌐⌐	[]
6' & less	1½"	1⅞" × 1⅝"	1⅞" × 1⅝"	2"	3½" × 3½"	2" × 1¾"	1¼"	1½" × 1 5/16"	1⅝" × 1¼"	1¾" × 1¼"
Over 6'	2"	2¼" × 2"	2" × 1¾"	2½"	3½" × 3½"	2½" × 2½"	1¼"	1½" × 1 5/16"	1⅝" × 1¼"	1¾" × 1¼"

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CHAIN LINK FENCE

NO SCALE

RSP A85 DATED JUNE 5, 2009 SUPERSEDES STANDARD PLAN A85
DATED MAY 1, 2006 - PAGE 111 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP A85

2006 REVISED STANDARD PLAN RSP A85

5-7-09

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	210	32.9/39.6	37	52

REGISTERED CIVIL ENGINEER

June 5, 2009
PLANS APPROVAL DATE

Glenn DeCou
No. C34547
Exp. 9-30-09
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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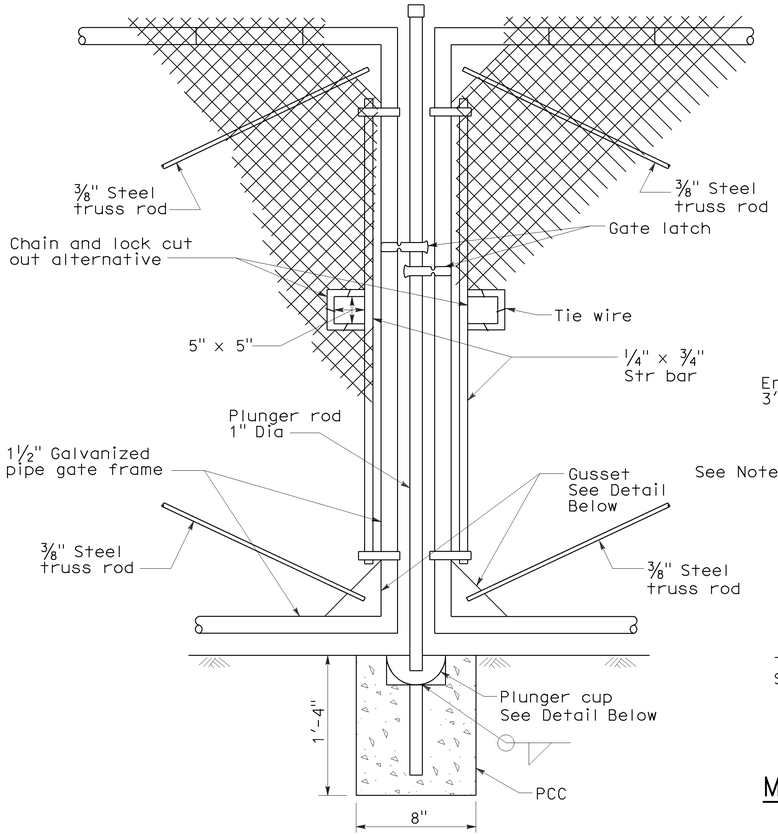
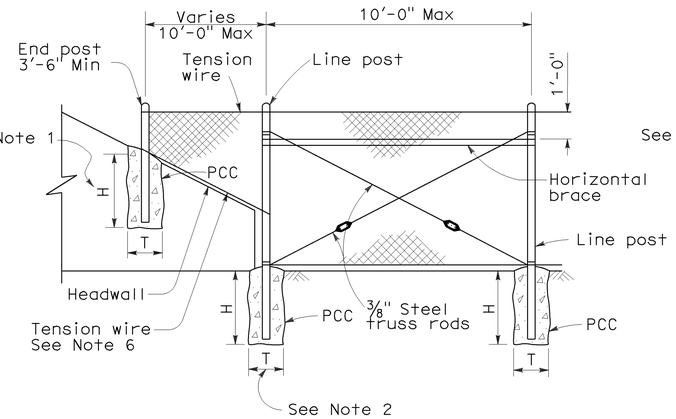
To accompany plans dated 10-10-11

NOTES:

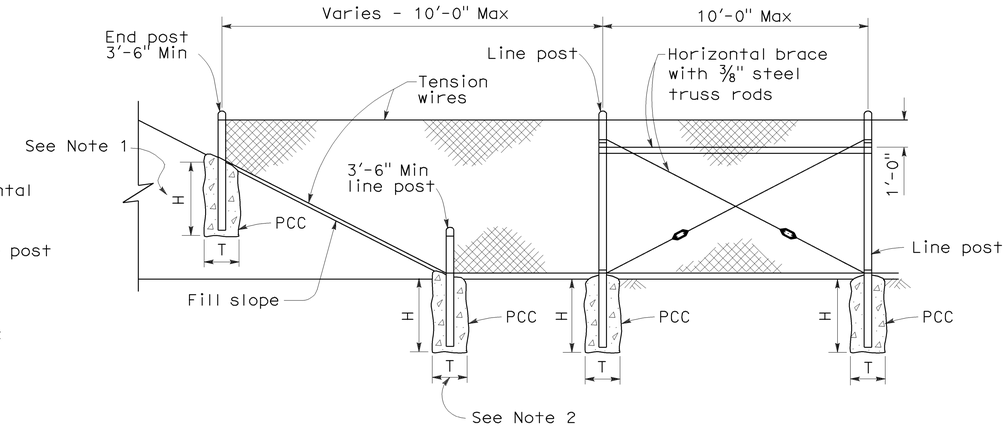
1. H is 2'-6" for fabric less than 5'-0" high. H is 3'-0" for fabric 5'-0" and over.
2. T is not less than 3 times maximum cross section of post with minimum of 8".
3. Arms with barbed wire to be used where shown on plans.
4. See Revised Standard Plan RSP A85 for Chain Link Fencing dimensions.
5. Reinforcing must comply with ASTM A 706.
6. See Detail A on New Standard Plan NSP A86B for connection at headwall.



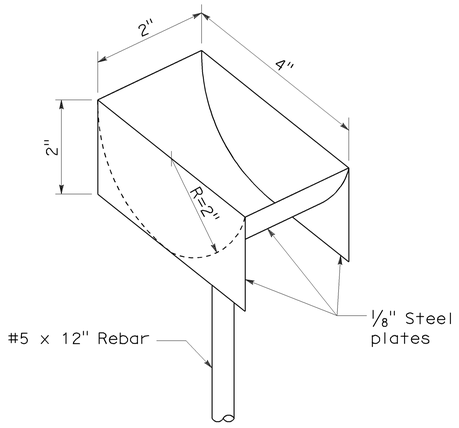
TYPICAL DOUBLE GATE REMOVABLE CENTER POST



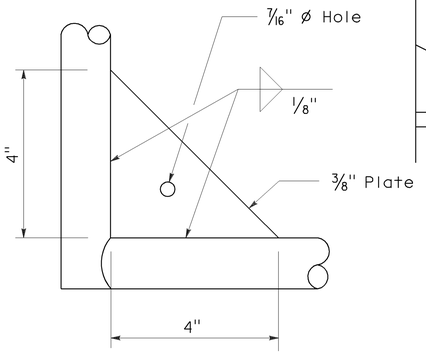
METHOD OF TYING FENCE TO HEADWALL



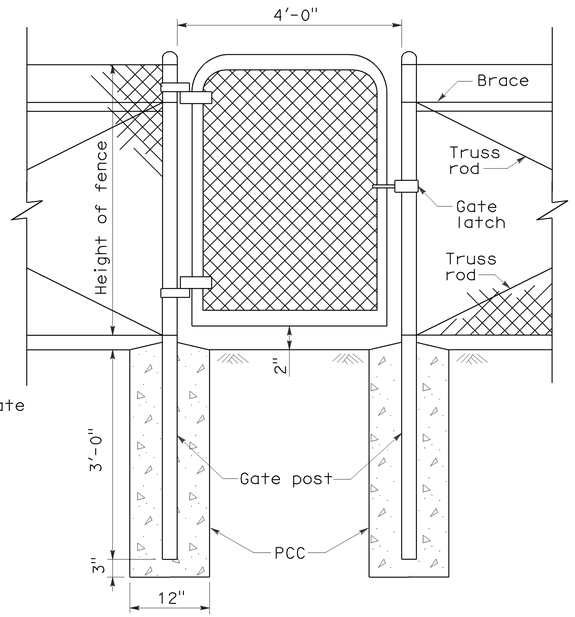
METHOD OF ERECTING FENCE FOR FILL SLOPE



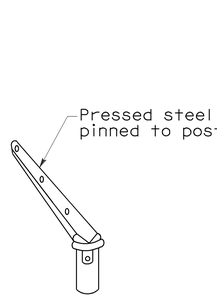
PLUNGER CUP DETAIL



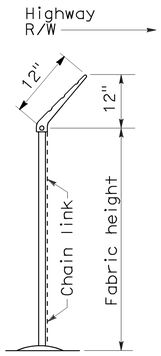
GUSSET DETAIL



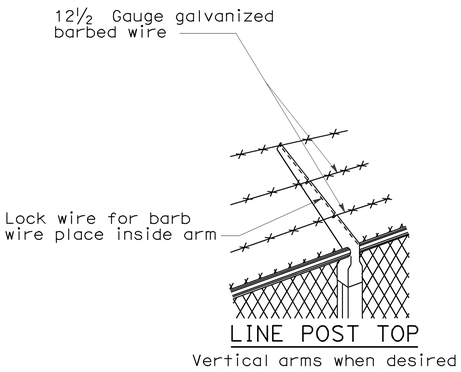
WALK GATE



POST TOP END



END ELEVATION



LINE POST TOP

Vertical arms when desired

BARBED WIRE POST TOP

See Note 3

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CHAIN LINK FENCE DETAILS

NO SCALE

NSP A85A DATED JUNE 5, 2009 SUPPLEMENTS THE STANDARD PLANS BOOK DATED MAY 2006.

NEW STANDARD PLAN NSP A85A

2006 NEW STANDARD PLAN NSP A85A

5-7-09

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	210	32.9/39.6	38	52

Glenn DeCou
REGISTERED CIVIL ENGINEER

June 5, 2009
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Glenn DeCou — No. C34547 — Exp. 9-30-09 CIVIL — STATE OF CALIFORNIA

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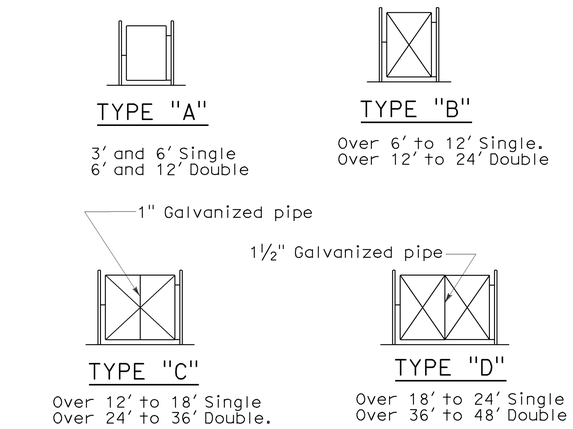
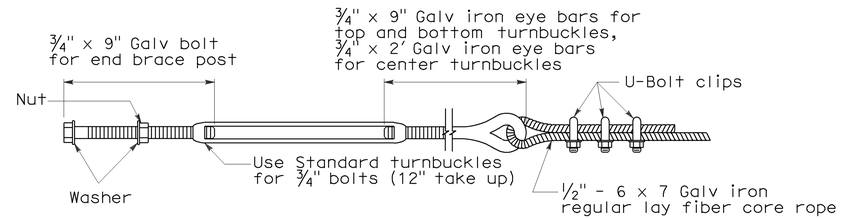
To accompany plans dated 10-10-11

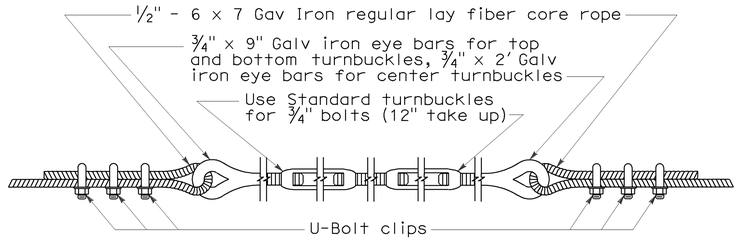
2006 NEW STANDARD PLAN NSP A85B



TYPICAL FRAMEWORK SHOWING NUMBER OF BAYS IN GATE



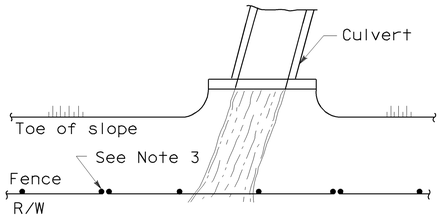
TURNBUCKLE A



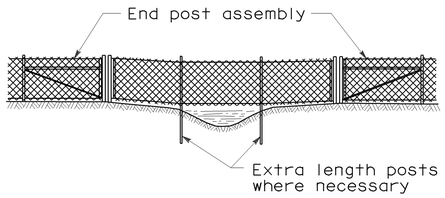
TURNBUCKLE B

NOTES:

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

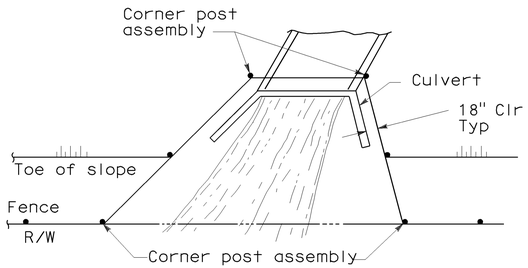


PLAN

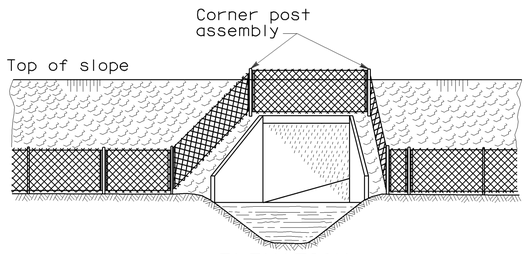


ELEVATION

INSTALLATION OVER STREAM



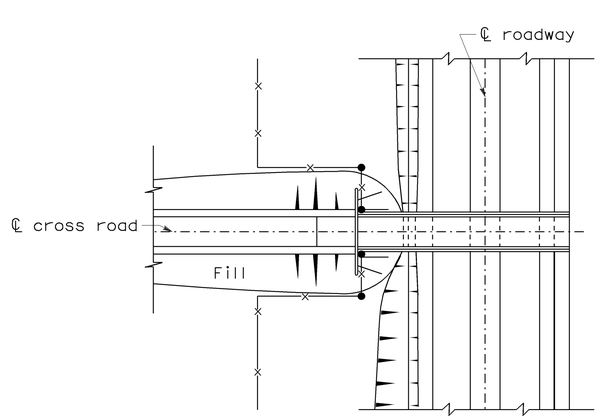
PLAN



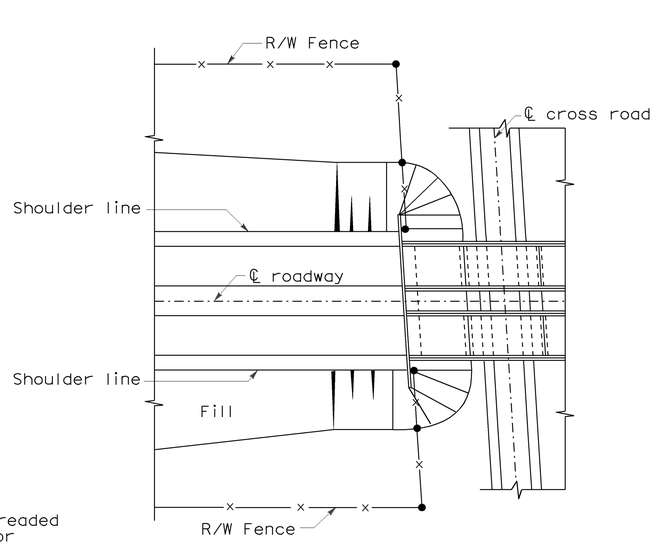
ELEVATION

INSTALLATION AROUND HEADWALL

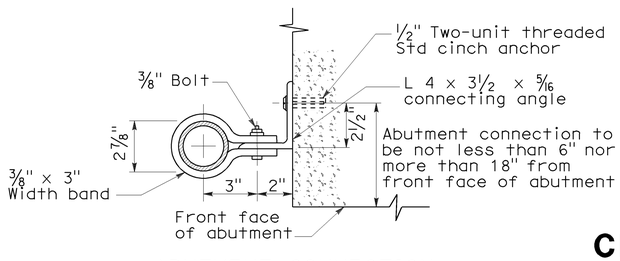
See Note 4



PLAN OF ROADWAY - UNDERPASS



PLAN OF ROADWAY - OVERPASS



ABUTMENT CONNECTION

TYPICAL INSTALLATION AT BRIDGES

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CHAIN LINK FENCE DETAILS

NO SCALE

NSP A85B DATED JUNE 5, 2009 SUPPLEMENTS THE STANDARD PLANS BOOK DATED MAY 2006.

NEW STANDARD PLAN NSP A85B

5-12-09

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	210	32.9/39.6	39	52

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

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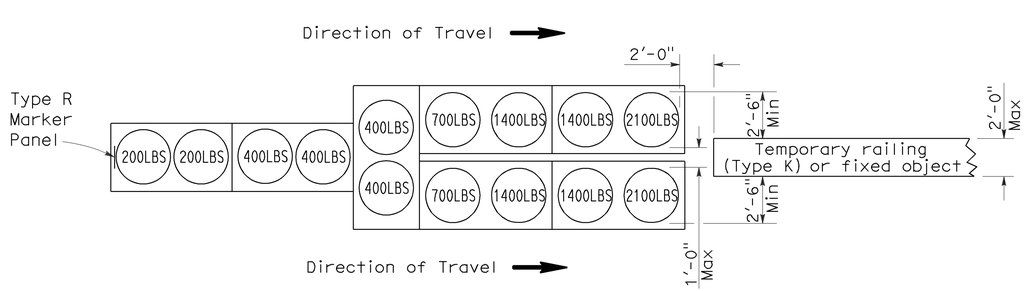
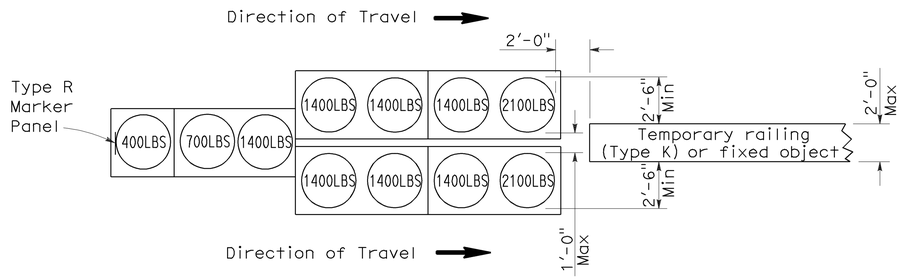
To accompany plans dated 10-10-11



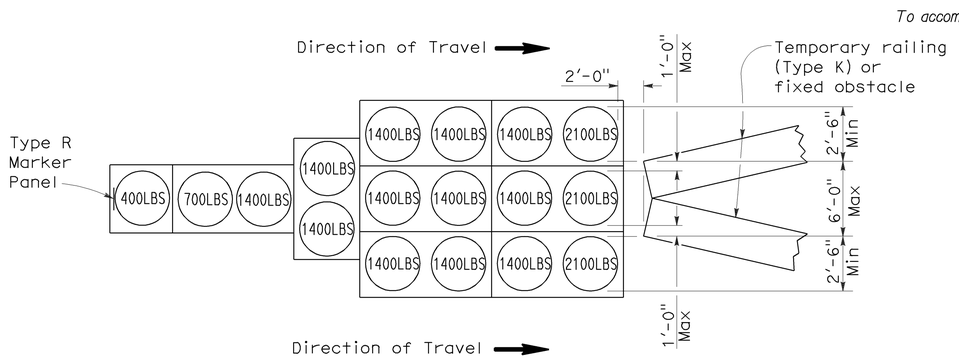
ARRAY 'TU14'

Approach speed 45 mph or more



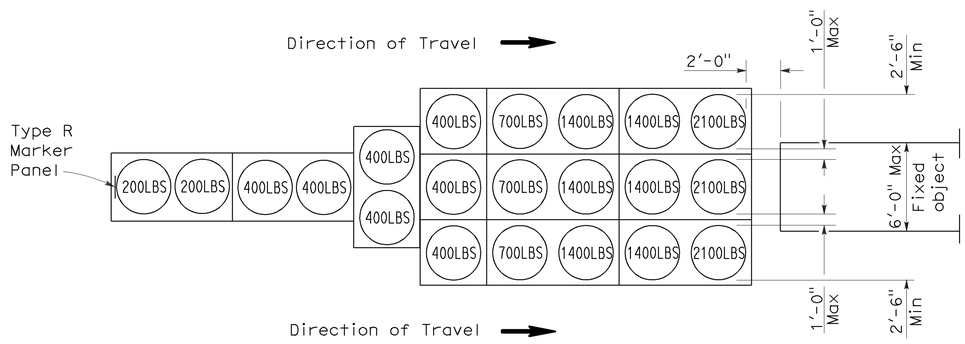
ARRAY 'TU11'

Approach speed less than 45 mph



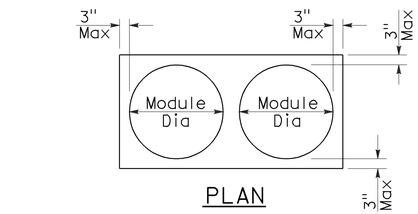
ARRAY 'TU17'

Approach speed less than 45 mph

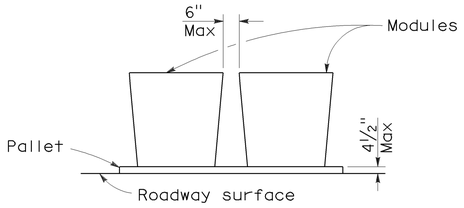


ARRAY 'TU21'

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

5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	210	32.9/39.6	40	52

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

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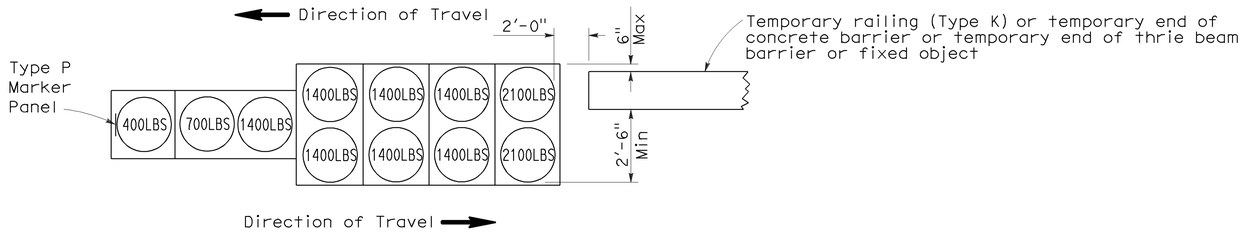
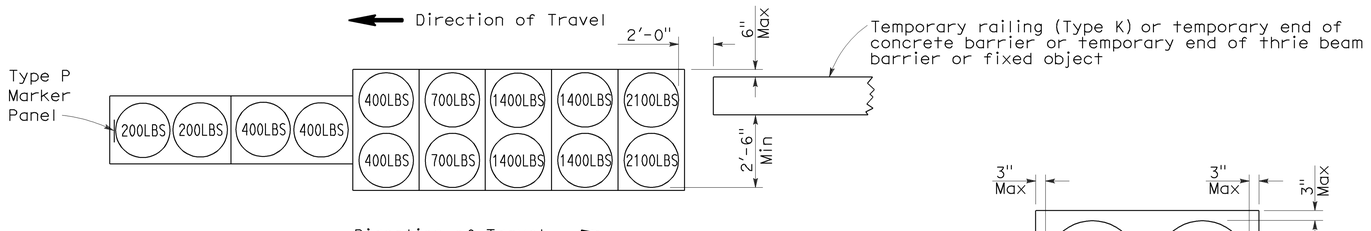
To accompany plans dated 10-10-11



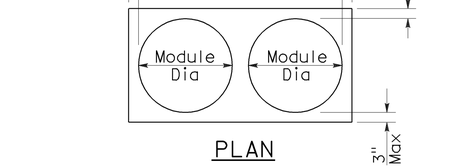
ARRAY 'TB11'

Approach speed less than 45 mph

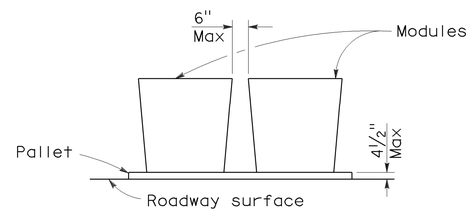


ARRAY 'TB14'

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 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

5-15-08

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	32.9/39.6	41	52

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

May 20, 2011
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Randell D. Hiatt — No. C50200 — Exp. 6-30-11 — CIVIL — STATE OF CALIFORNIA

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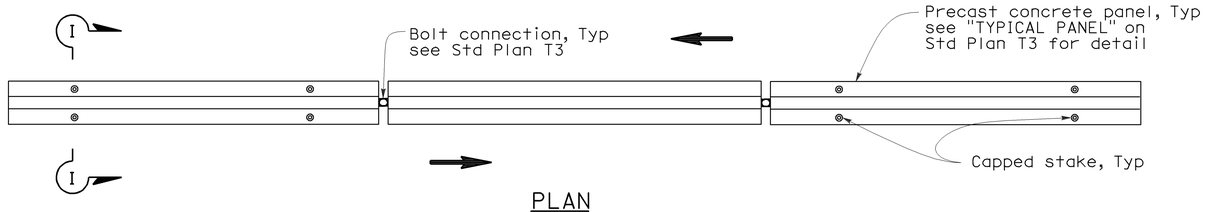
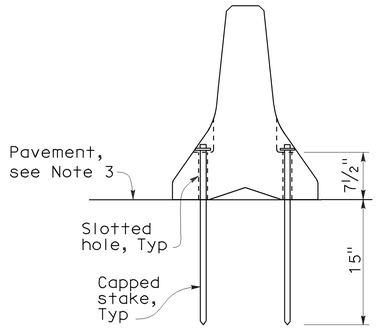
To accompany plans dated 10-10-11



PLAN

RAILING STAKING CONFIGURATION FOR TWO-WAY TRAFFIC

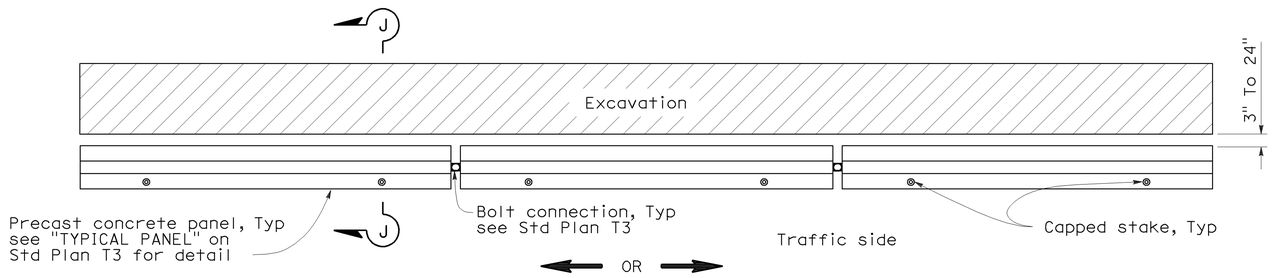
See Note 1



SECTION I-I

NOTES:

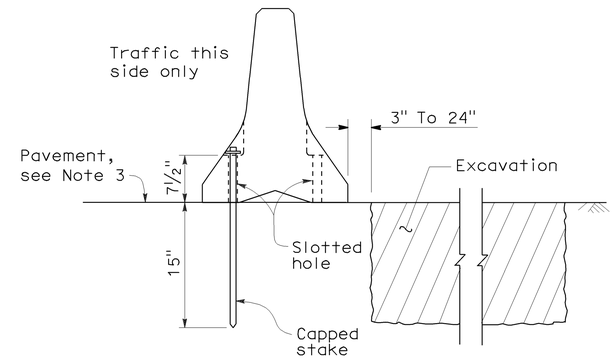
1. Where Type K Temporary Railing is placed as a temporary or long term barrier in two-way traffic on highways with less than 24" from the edge of traveled way, use four capped stakes per every other panel with end panels staked.
2. Where Type K Temporary Railing is placed 3" to 24" from the edge of an excavation on highways, use two capped stakes per panel along the traffic side.
3. Staked Type K Temporary Railing must be supported by at least 4" thick concrete, hot mix asphalt or existing asphalt concrete pavement.
4. The minimum yield strength for the washer must be 60,000 psi.
5. Direction of adjacent traffic indicated by ⟹.



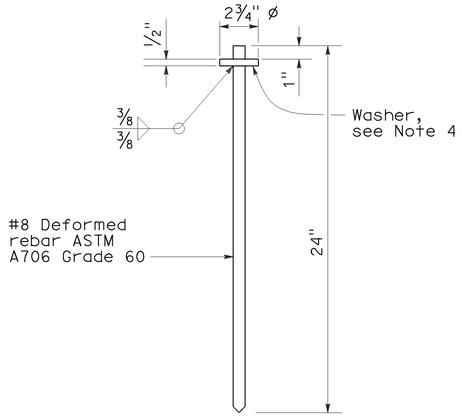
PLAN

RAILING STAKING CONFIGURATION ADJACENT TO AN EXCAVATION

See Note 2



SECTION J-J



CAPPED STAKE DETAIL

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY RAILING (TYPE K)

NO SCALE

NSP T3A DATED MAY 20, 2011 SUPPLEMENTS
THE STANDARD PLANS BOOK DATED MAY 2006.

NEW STANDARD PLAN NSP T3A

2006 NEW STANDARD PLAN NSP T3A

8-31-10

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	210	32.9/39.6	42	52

Greg W. Edwards
REGISTERED CIVIL ENGINEER

November 17, 2006
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Greg W. Edwards — No. C36386 — Exp. 6-30-08 — CIVIL — STATE OF CALIFORNIA

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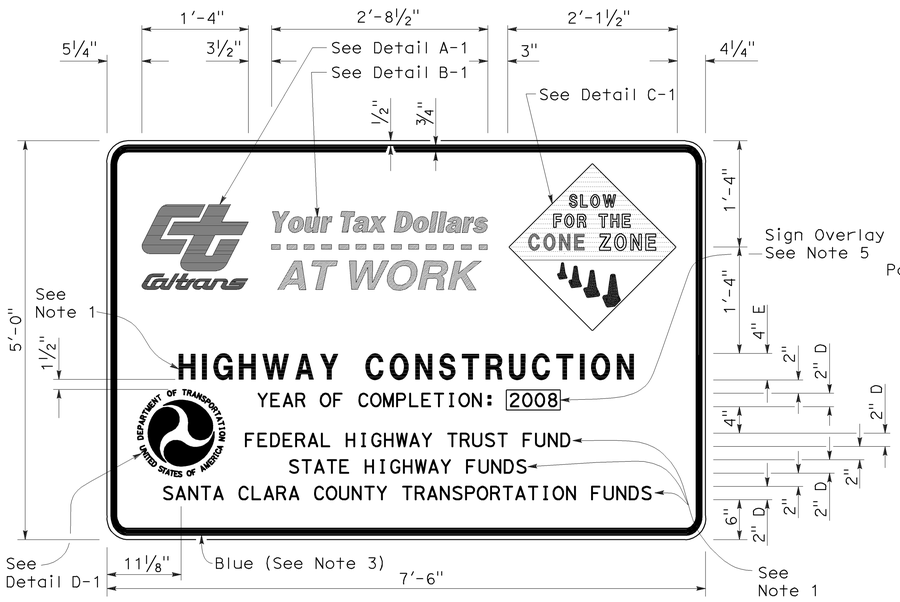
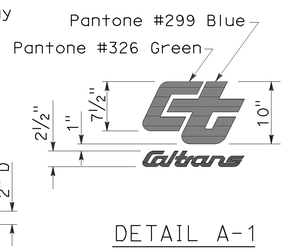
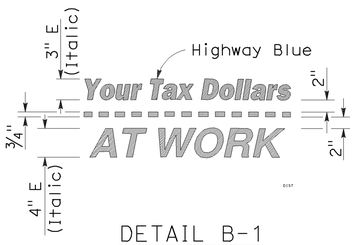
To accompany plans dated 10-10-11



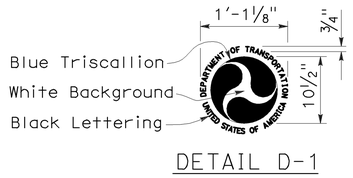
TYPE 1



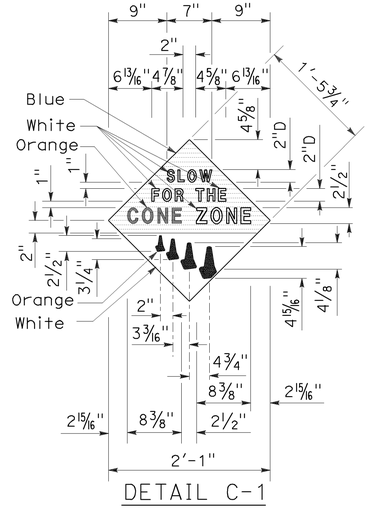
DETAIL A-1



DETAIL B-1
(See Note 3)



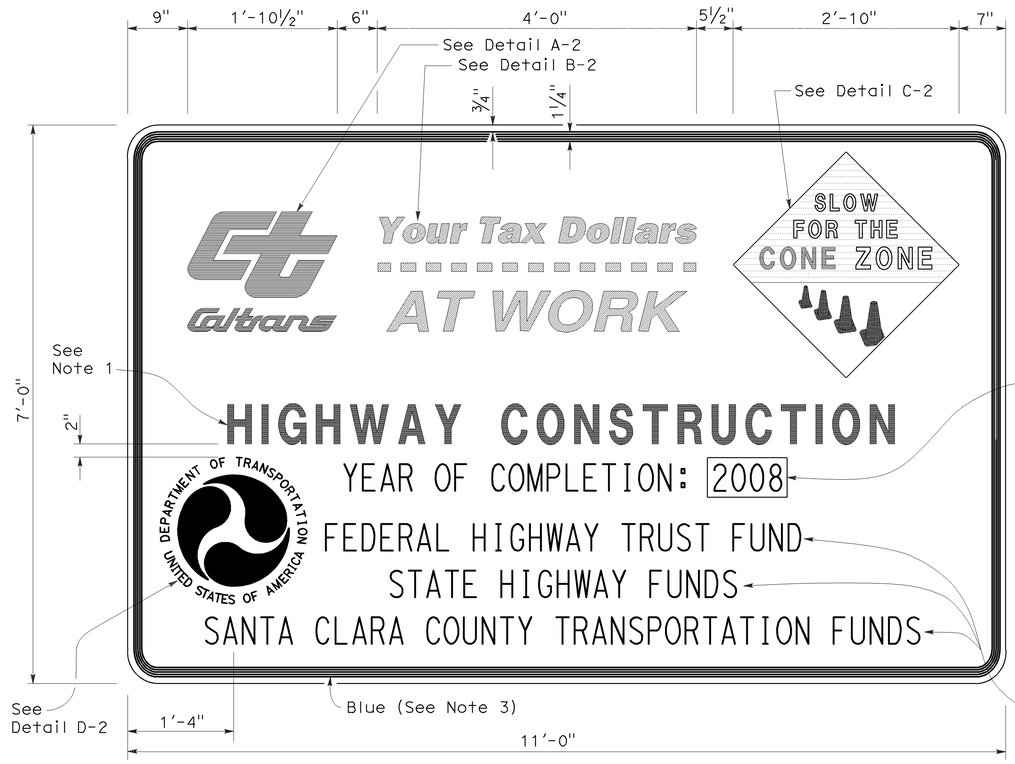
DETAIL D-1
(See Note 6)



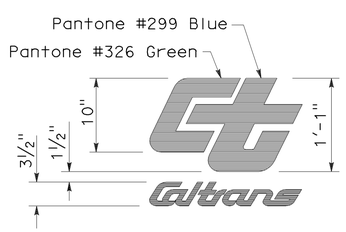
DETAIL C-1
(See Note 4)

NOTES:

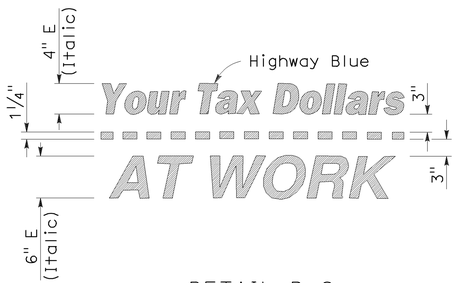
1. The sign messages shown for type of project and fund types are examples only. See the Special Provisions for the applicable type of project and fund type messages to be used.
2. Except as otherwise shown, the legend of sign shall be black on a white background (non-reflective).
3. The border of the signs and details "B-1" and "B-2" shall be blue (non-reflective).
4. The diamond in details "C-1" and "C-2" shall be blue for the background of message, " SLOW FOR THE CONE ZONE", and white background for the orange cones. The color and type of font for the "SLOW FOR THE CONE ZONE" message shall be: "SLOW" white D; "FOR THE" white D; "CONE" orange Arial font; "ZONE" white Arial font.
5. Year of completion of project construction shown on the overlay is an example only. See the Special Provisions.
6. Use when the Project involves Federal Highway Trust Fund.



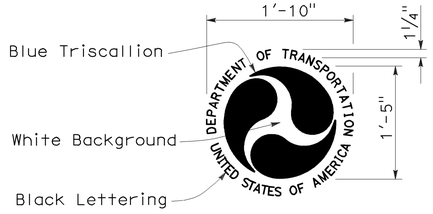
TYPE 2



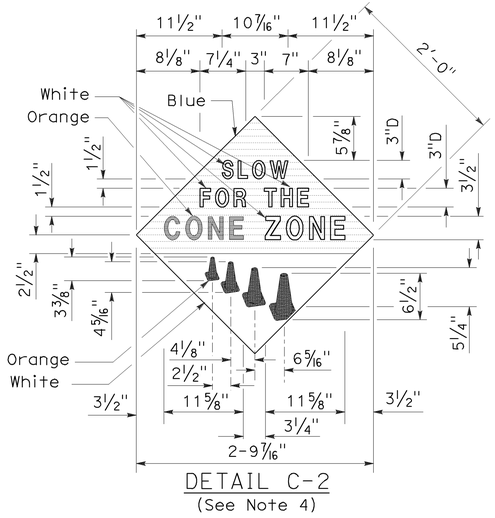
DETAIL A-2



DETAIL B-2
(See Note 3)



DETAIL D-2
(See Note 6)



DETAIL C-2
(See Note 4)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PROJECT FUNDING IDENTIFICATION SIGNS

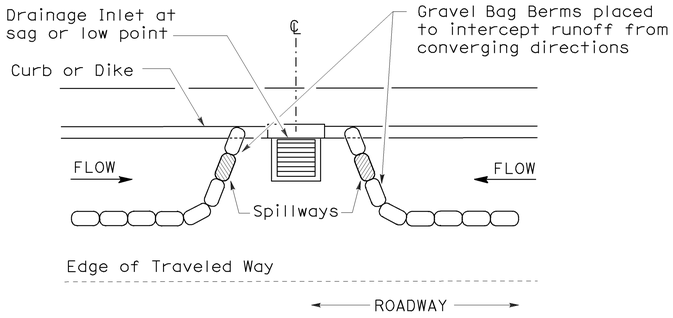
NO SCALE

RSP T7 DATED NOVEMBER 17, 2006 SUPERSEDES STANDARD PLAN T7
DATED MAY 1, 2006 - PAGE 217 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T7

2006 REVISED STANDARD PLAN RSP T7

9-7-06



PLAN

CONFIGURATION FOR SAG POINT INLET (GRAVEL BAG BERM)

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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	210	32.9/39.6	43	52

Robert B Schott
LICENSED LANDSCAPE ARCHITECT

August 15, 2008
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Robert B. Schott 3835 — Signature — Renewal Date 11-04-08 — Date 08-11-08 — STATE OF CALIFORNIA

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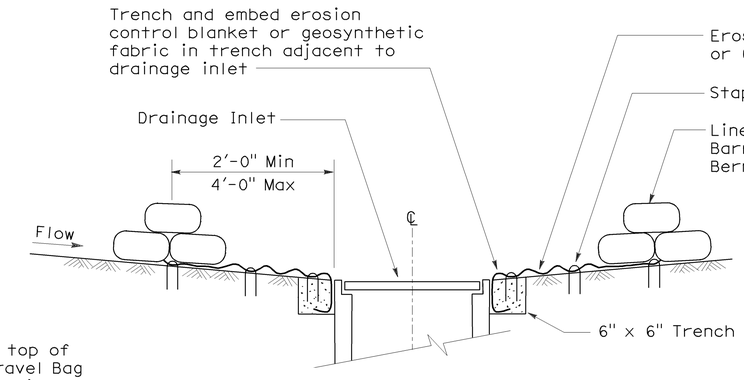
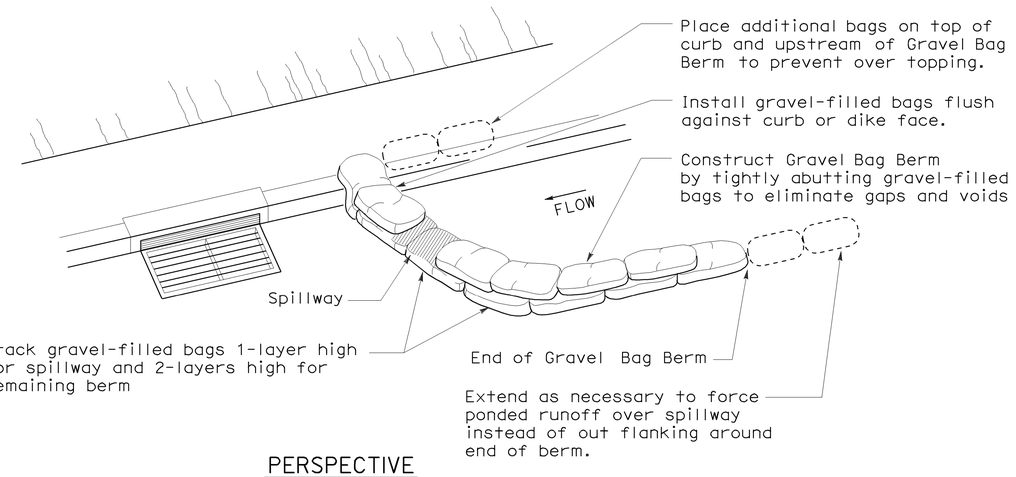
To accompany plans dated 10-10-11



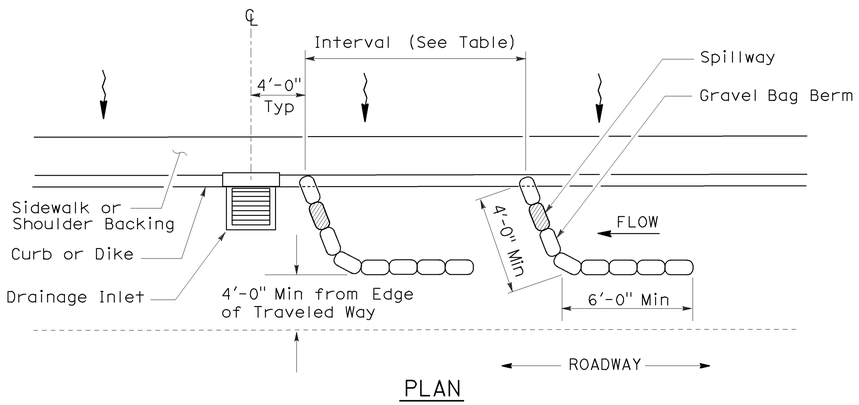
SECTION A-A

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.

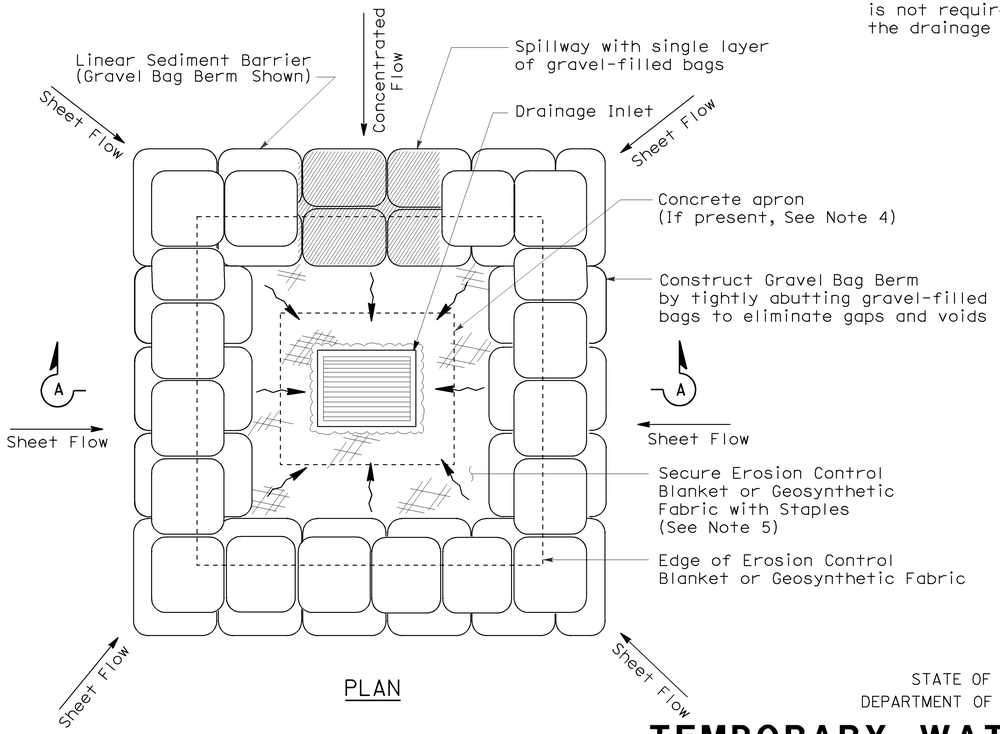


PERSPECTIVE



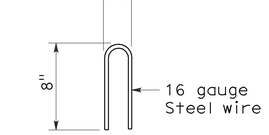
PLAN

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



PLAN

TEMPORARY DRAINAGE INLET PROTECTION (TYPE 3B)



STAPLE DETAIL

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.

NEW STANDARD PLAN NSP T62

2006 NEW STANDARD PLAN NSP T62

7-11-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	210	32.9/39.6	44	52

Jeffrey G. McRae
REGISTERED ELECTRICAL ENGINEER

October 5, 2007
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Jeffery G. McRae
No. E14512
Exp. 6-30-08
ELECTRICAL
STATE OF CALIFORNIA

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

To accompany plans dated 10-10-11

ELECTROLIERS

STANDARD TYPES
15, 15D
15 STRUCTURE
21, 21D STRUCTURE
30
31
32
35
36-20A

High mast light pole

Double Arm lighting standard

Existing electrolier

Electrolier foundation (Future installation)

NOTES:

1. 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.
2. Luminaires shall be the cutoff type, ANSI Type III medium cutoff lighting distribution, unless otherwise specified.
3. 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,
MAS-4B	mas-4B	side attachment - 4 signal section
MAS-4C	mas-4C	
MAS-5A	mas-5A	Mast arm mounting vehicle signal faces,
MAS-5B	mas-5B	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

SOFFIT AND WALL MOUNTED LUMINAIRES

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

NOTE:
Arrow indicates "street side" of luminaire.

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

7-10-07

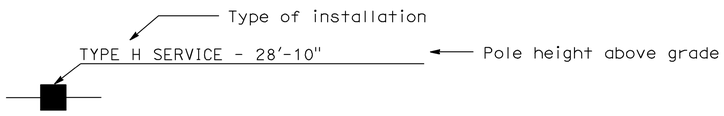
CONDUIT

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 (RSP ES-9A C)
R	r	Conduit riser in/on structure or service pole

SERVICE EQUIPMENT

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

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
PV	PV	Modifications of basic symbols: "L" Indicates all non-arrow sections louvered "LG" Indicates louvered 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
R	Y	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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	210	32.9/39.6	45	52

Jeffery G. McRae
REGISTERED ELECTRICAL ENGINEER

REGISTERED PROFESSIONAL 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 10-10-11

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.

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

7-10-07

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	210	32.9/39.6	46	52

Jeffery G. McRae
REGISTERED ELECTRICAL ENGINEER

October 5, 2007
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Jeffery G. McRae
No. E14512
Exp. 6-30-08
ELECTRICAL
STATE OF CALIFORNIA

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To accompany plans dated 10-10-11

EQUIPMENT IDENTIFICATION

ILLUMINATED SIGN IDENTIFICATION NUMBER:

Sign No. 12345
10 ISL SCI 1.0

- Sign number - Place on post or structure
- Transformer rating (kVA)
- Lighting control type
- Number and type of fixtures

Do NOT place on standard or structure

ELECTROLIER OR EQUIPMENT IDENTIFICATION NUMBER:

12345 - 15'-0"

- Mast arm length, if shown. Do not place on standard or structure.
- Equipment number - Place on standard or structure. Existing equipment numbers are shown in parenthesis

CONDUIT AND CONDUCTOR IDENTIFICATION:

1½"C, 2#10, 15#14, 2 DLC

- Number and size of conductors and cables
- Size of conduit in inches

ø1, ø2, ø2P, etc. — Traffic phase identification for signal faces, detectors and phase diagrams

[1] [2] [3] — Project note numbers

(A) (B) (C) — Equipment description, installation or item numbers

△1 △2 △3 — Conduit run numbers

SIGNAL AND LIGHTING STANDARD (TYPICAL DESIGNATION):

19A - 3 - 100

- Wind velocity = 100 mph
- Case 3 arm loading
- Standard type
- Standard Plan sheet number
- Detail number or letter

MISCELLANEOUS EQUIPMENT

PROPOSED	EXISTING	
CMS	cms	Changeable message sign
		Closed circuit television camera
		Highway advisory radio pole and antenna
EMS	ems	Extinguishable message sign
M V	m v	Detection device M = Microwave sensor V = Video image sensor

WIRING DIAGRAM LEGEND

P	Pole
CB	Circuit breaker
A	Ampere
V	Volt
M	Metered
UM	Unmetered
NB	Neutral bus
GB	Ground bus
G	Equipment grounding conductor
N	Grounded conductor (Neutral)

- External conductor
- Conductor or bus
- Tie point
- Contactor coil
- Contactor, Contact NO
- Terminal blocks
- Contactor, Contact NC
- Enclosure bond
- Grounding electrode
- Circuit breaker
- Receptacle

PULL BOXES

PROPOSED	EXISTING	
		Pull box-No. 5 unless otherwise indicated or noted.
3	9A(21)	Pull box-Additional designations or descriptions

3 = No. 3½ pull box
5 = No. 5 pull box
6 = No. 6 pull box
7 = No. 7 (Ceiling pull box)
8 = No. 8 (Pendant soffit pull box)
9 = No. 9 pull box
9A = No. 9A pull box

(C) = Communications pull box
(E) = Pull box with extension
(S) = Sprinkler control pull box
(21) = Anchor bolts and conduit for future installation of Type 21 Standard
(T) = Traffic pull box

VEHICLE DETECTORS

5 J 9 U

- Vehicle detector designation
- U = Upper, L = Lower
- Slot number in input file
- Input file (I or J)
- Phase

PROPOSED	EXISTING	
		Type A detector loop. Outline of sawcut shown.
		Type B detector loop. Outline of sawcut shown.
		Type C detector loop. Outline of sawcut shown.
		Type D detector loop. Outline of sawcut shown.
		Type E detector loop. Outline of sawcut shown.
		Type Q detector loop. Outline of sawcut shown.
		Magnetic detector
DH	dh	Detector handhole
		Microwave or video detection zone

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (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

7-10-07

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	210	32.9/39.6	47	52

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

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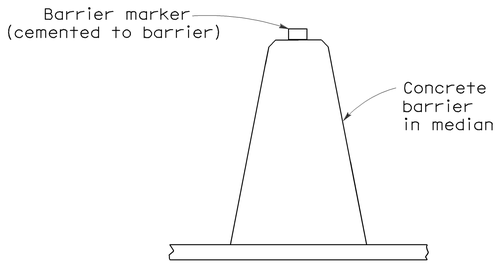
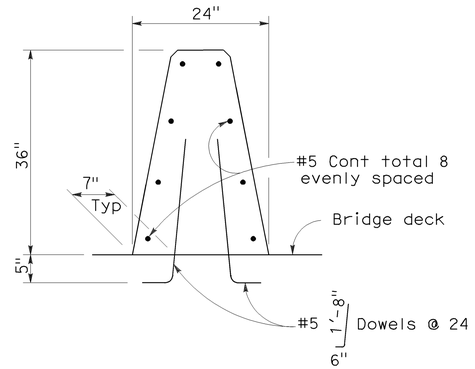
To accompany plans dated 10-10-11



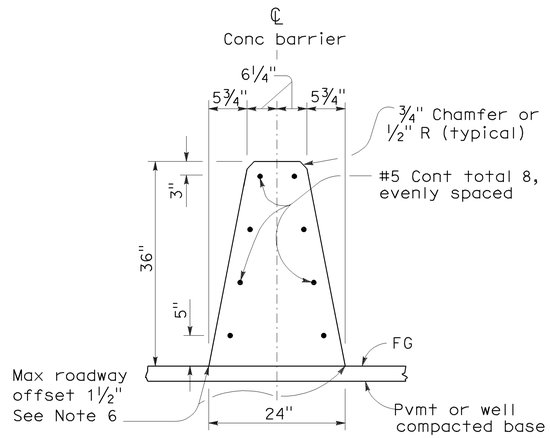
CONCRETE BARRIER TYPE 60 DELINEATION

See Notes 7 and 8



CONCRETE BARRIER TYPE 60A

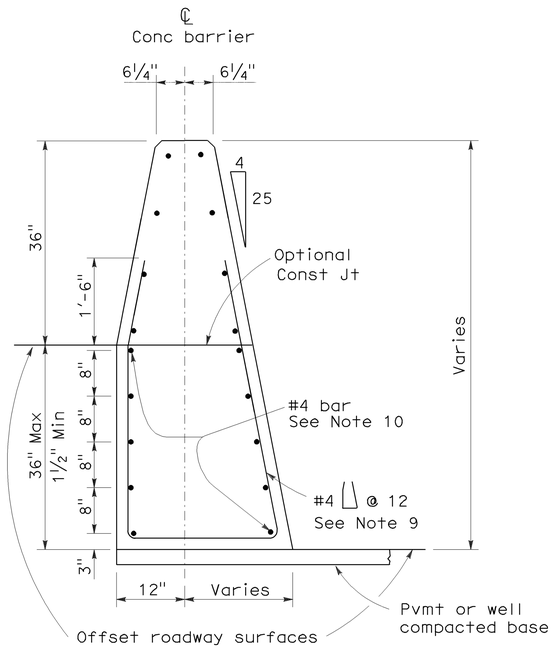
Details similar to Type 60 except as noted.



CONCRETE BARRIER TYPE 60

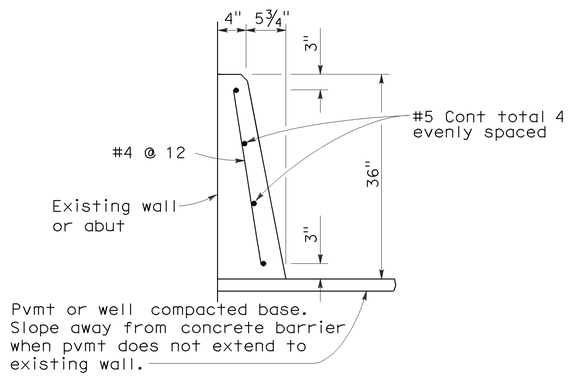
NOTES:

1. See Standard Plan A76B for details of Concrete Barrier Type 60 end anchors, connection to structures and transitions to Concrete Barrier Type 50 and Concrete Barrier Type 60S.
2. See Standard Plan A76C for Concrete Barrier Type 60 transitions at bridge column and sign pedestals.
3. Where glare screen is required on Concrete Barrier Type 60, use Concrete Barrier Type 60G.
4. Where the concrete barrier is added to the face of existing concrete structure, match existing weep holes.
5. Expansion joints in concrete barrier shall be located at all deck, pavement and principal wall joints. Expansion joint filler material shall be the same size as joint or ½" minimum.
6. Where roadway offset is greater than 1½", see Concrete Barrier Type 60C.
7. Barrier delineation to be used when required by the Special Provisions.
8. Spacing of barrier markers to match spacing of raised pavement markers on the adjacent median edgeline pavement delineation.
9. Reinforcing stirrup not required for roadway offsets less than 1'-0".
10. For roadway surfaces offset greater than 1½" to 3", no rebars required. For roadway surfaces offset greater than 3" to 8" use two #4 rebars at 3" above the lower roadway surface. For roadway surfaces offset greater than 8" to 12", use two #4 rebars at 3" above the lower roadway surface and two #4 rebars at 8" above the lower roadway surface. For roadway surfaces offset greater than 12" to 36", use two #4 rebars at 3" above the lower roadway surface and two #4 rebars at every 8" increment vertical spacing above the first two #4 rebars.



CONCRETE BARRIER TYPE 60C

Details similar to Type 60 except as noted.
Concrete barrier end anchor when necessary.
36" roadway surfaces offset shown.



CONCRETE BARRIER TYPE 60D

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONCRETE BARRIER TYPE 60

NO SCALE

RSP A76A DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN A76A
DATED MAY 1, 2006 - PAGE 29 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP A76A

2006 REVISED STANDARD PLAN RSP A76A

5-21-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	210	32.9/39.6	48	52

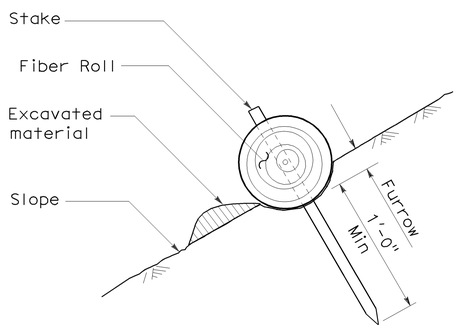
Robert B Schott
LICENSED LANDSCAPE ARCHITECT

April 3, 2009
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.

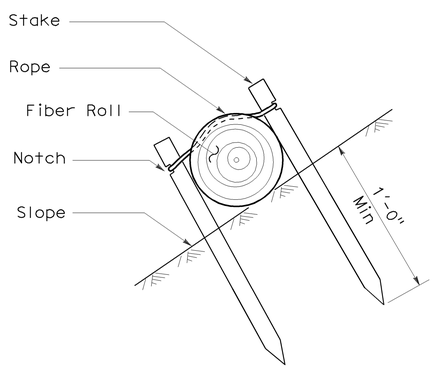
LICENSED LANDSCAPE ARCHITECT — Robert B. Schott 3835 — 11-30-10 Renewal Date — 2-25-09 Date — STATE OF CALIFORNIA

To accompany plans dated 10-10-11

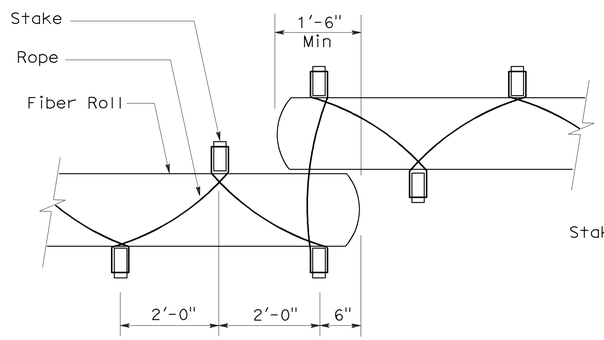


SECTION

TEMPORARY FIBER ROLL (TYPE 1)

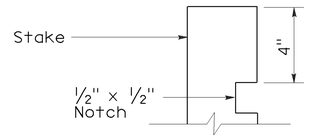


SECTION



PLAN

TEMPORARY FIBER ROLL (TYPE 2)

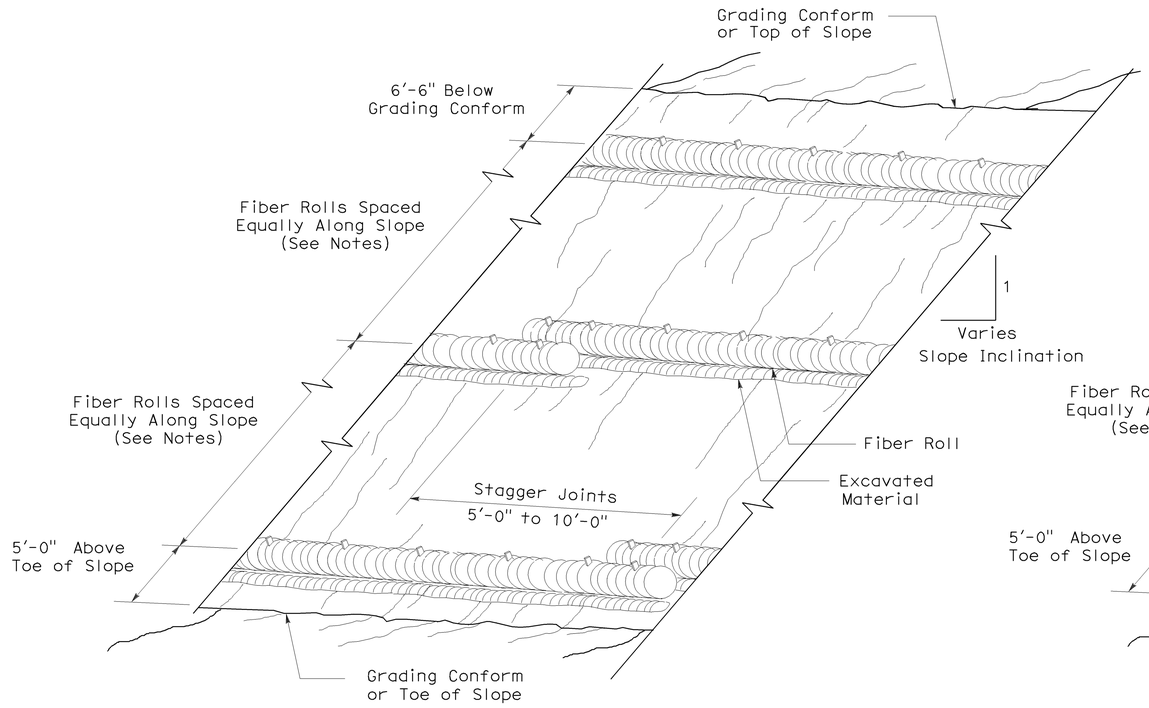


ELEVATION

STAKE NOTCH DETAIL

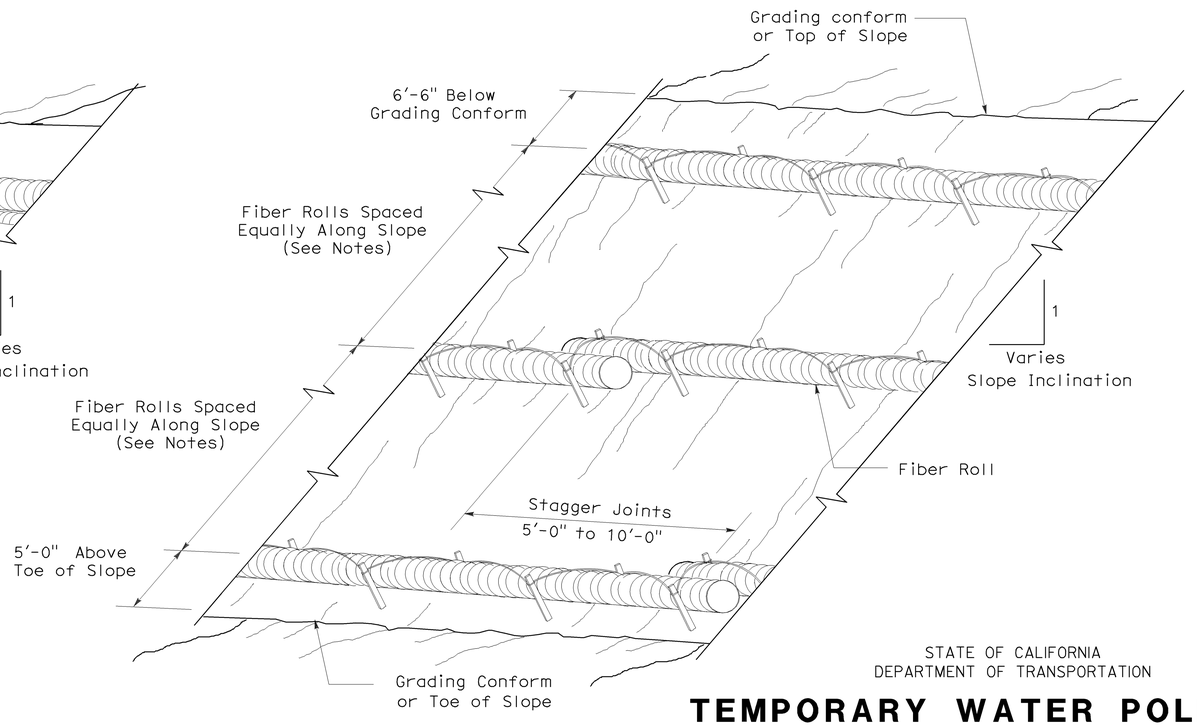
NOTES:

1. Temporary fiber roll spacing varies depending upon slope inclination.
2. Installations shown in the perspectives are for slope inclination of 10:1 and steeper.



PERSPECTIVE

TEMPORARY FIBER ROLL (TYPE 1)



PERSPECTIVE

TEMPORARY FIBER ROLL (TYPE 2)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY FIBER ROLL)

NO SCALE

RSP T56 DATED APRIL 3, 2009 SUPERSEDES STANDARD PLAN T56
DATED MAY 1, 2006 - PAGE 232 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T56

2006 REVISED STANDARD PLAN RSP T56

2-23-09

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	210	32.9/39.6	49	52

Robert B Schott
LICENSED LANDSCAPE ARCHITECT

August 15, 2008
PLANS Approval DATE

LICENSED LANDSCAPE ARCHITECT — Robert B. Schott 3835 — Signature — 11-04-08 Renewal Date — 08-11-08 Date — STATE OF CALIFORNIA

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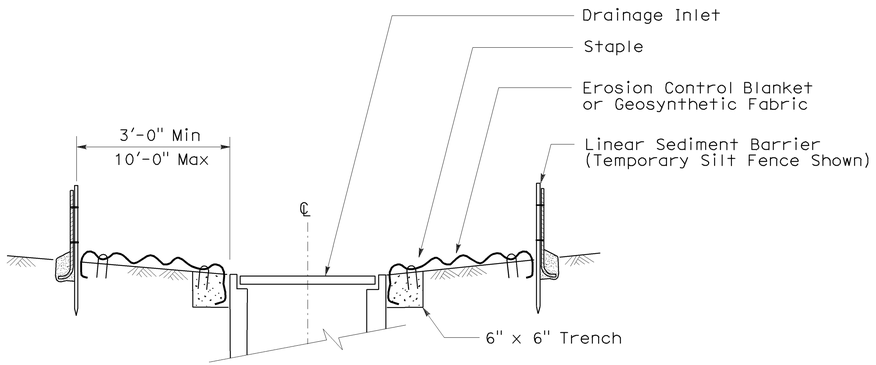
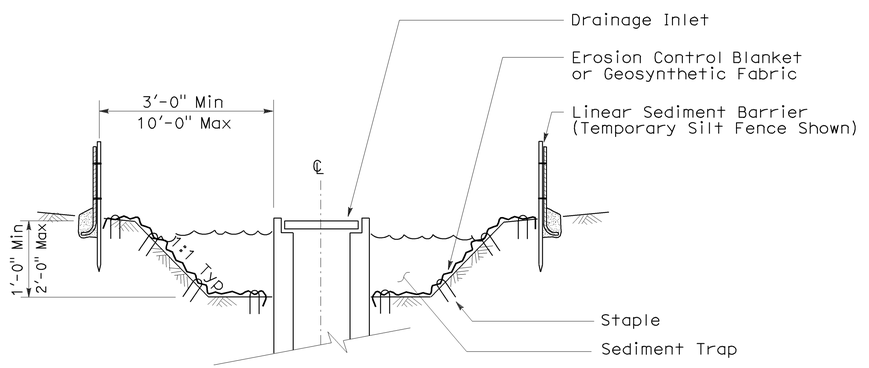
To accompany plans dated 10-10-11



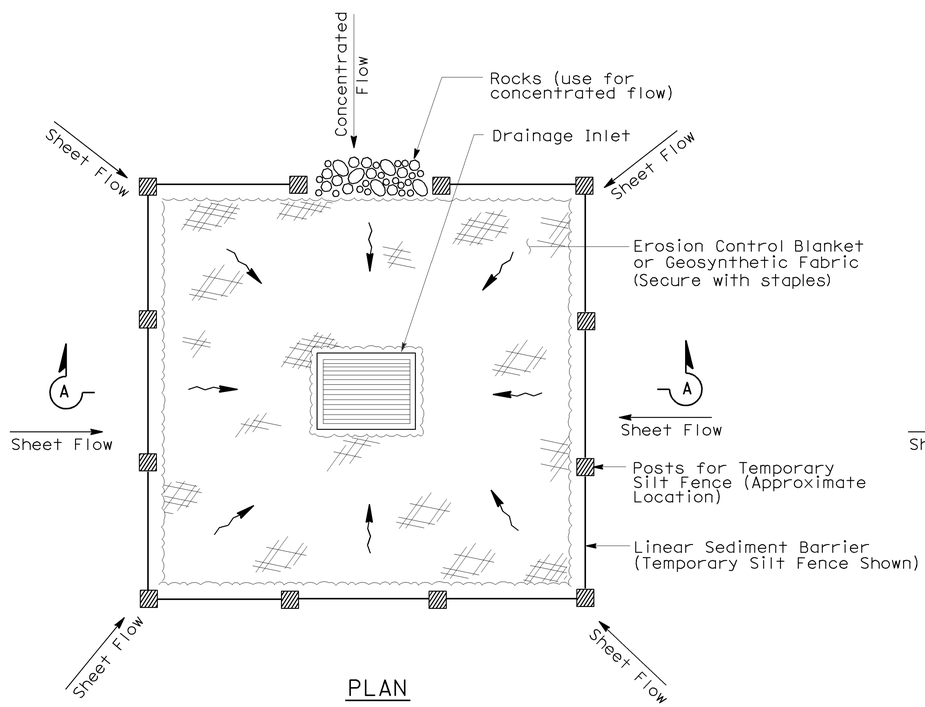
SECTION A-A



SECTION B-B

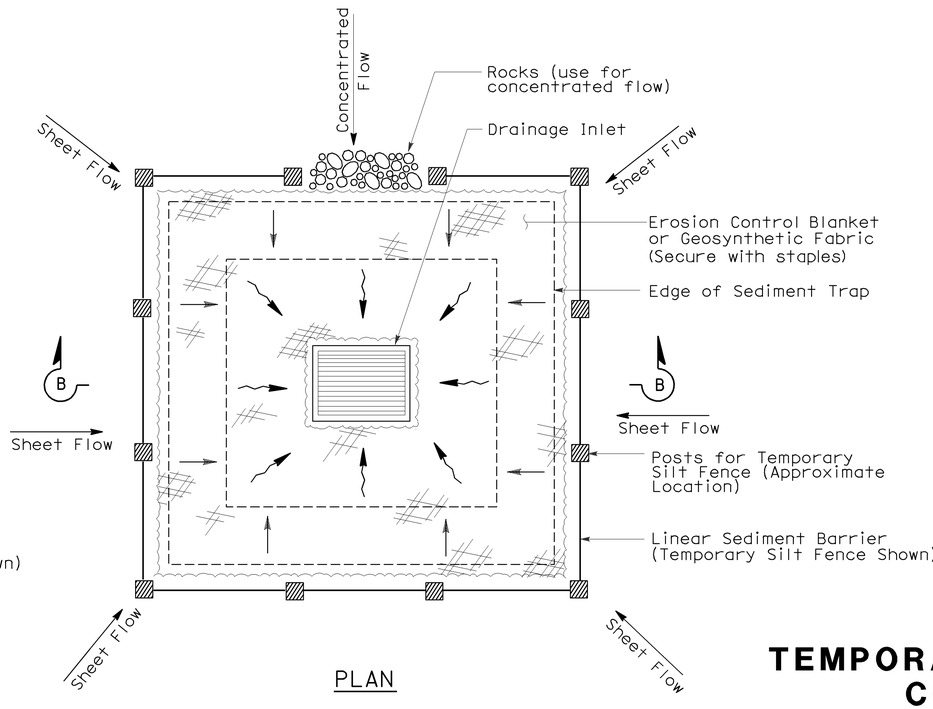
NOTES:

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



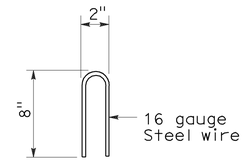
PLAN

TEMPORARY DRAINAGE
INLET PROTECTION (TYPE 1)



PLAN

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.

NEW STANDARD PLAN NSP T61

2006 NEW STANDARD PLAN NSP T61

7-11-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	210	32.9/39.6	50	52

Robert B Schott
LICENSED LANDSCAPE ARCHITECT

August 15, 2008
PLANS APPROVAL DATE

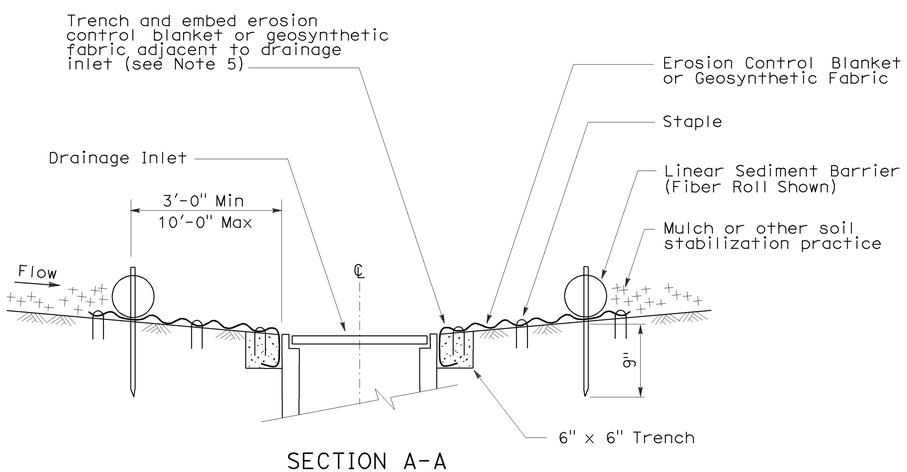
Robert B. Schott 3835 — Licensed Landscape Architect — 11-04-08 Renewal Date — 08-11-08 Date — State of California

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

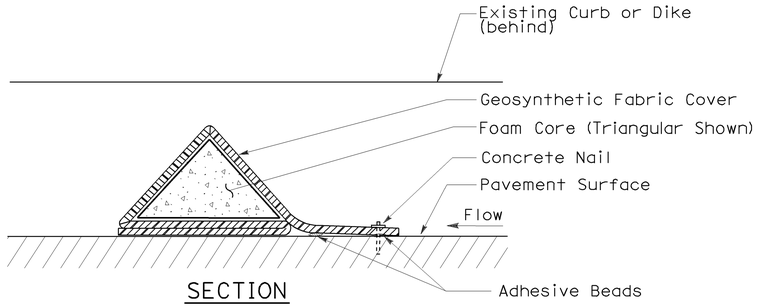
To accompany plans dated 10-10-11

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′

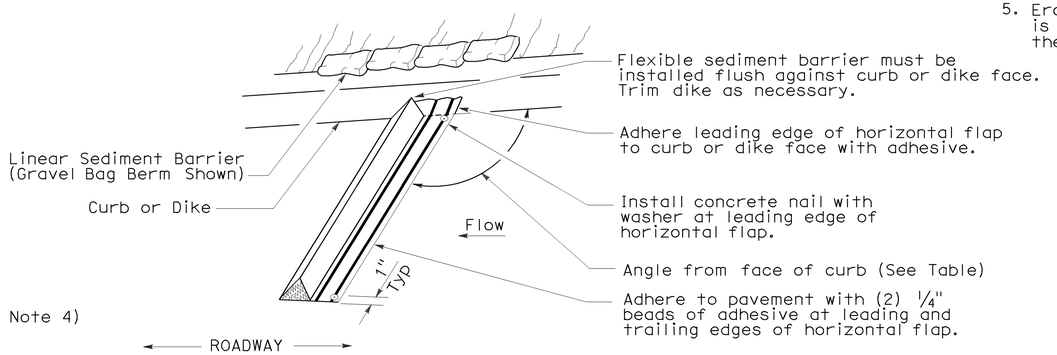


SECTION A-A



SECTION

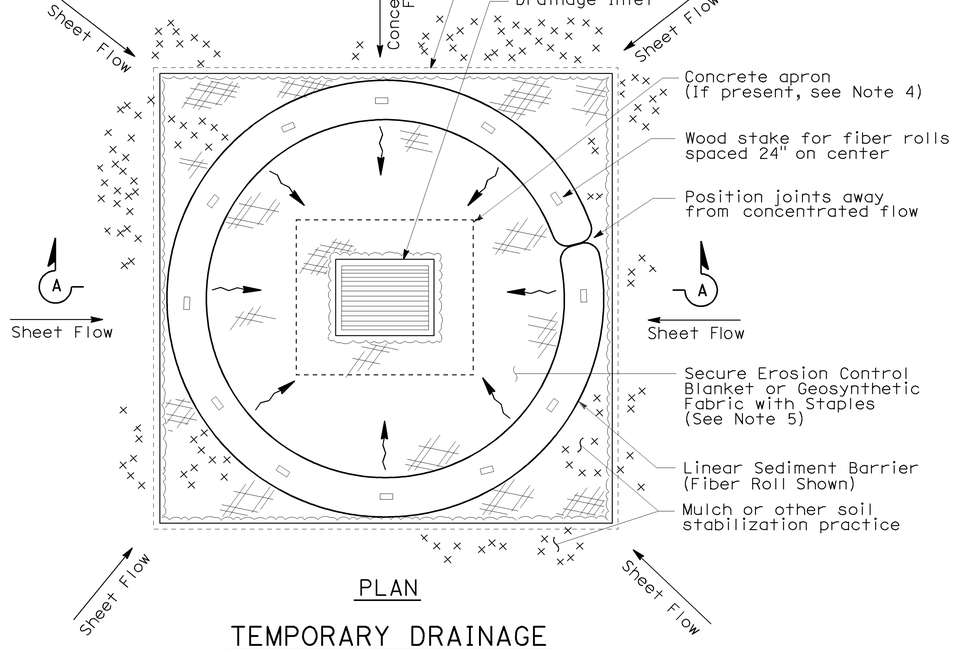
FLEXIBLE SEDIMENT BARRIER DETAIL (FOAM BARRIER SHOWN)



PERSPECTIVE

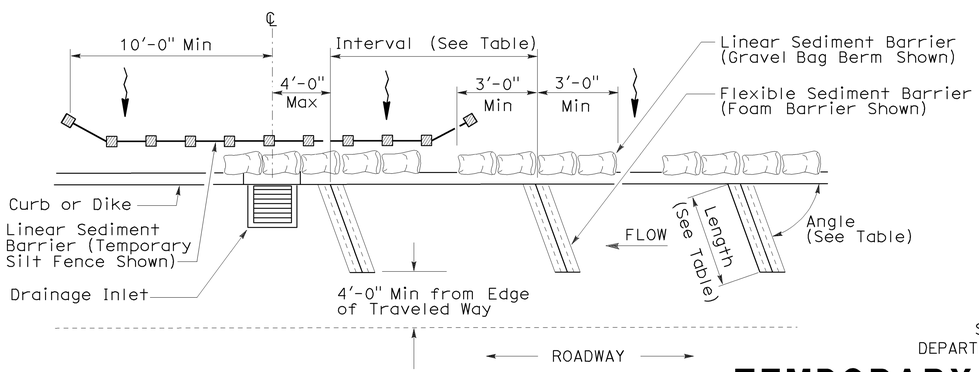
NOTES:

1. See Standard Plan T51 for Temporary Silt Fence.
2. Dimensions may vary to fit field conditions.
3. Install a minimum of 3 flexible sediment barriers 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.



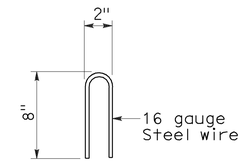
PLAN

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

7-11-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	210	32.9/39.6	51	52

Robert B Schott
LICENSED LANDSCAPE ARCHITECT

August 15, 2008
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Robert B. Schott 3695 — Signature — 11-04-08 Renewal Date — 08-11-08 Date — STATE OF CALIFORNIA

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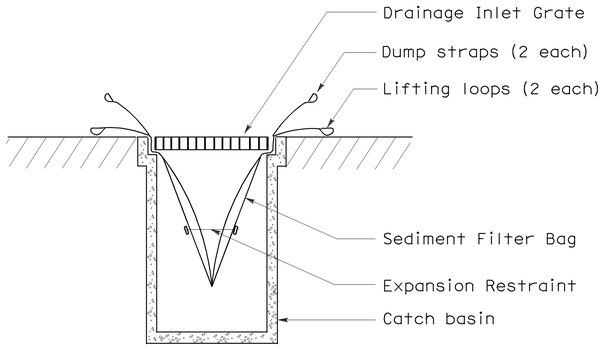
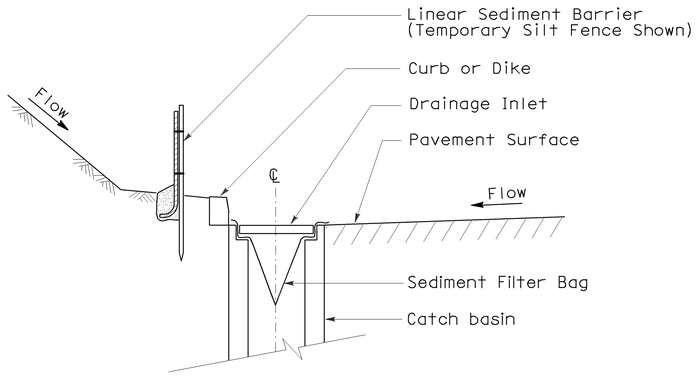
To accompany plans dated 10-10-11

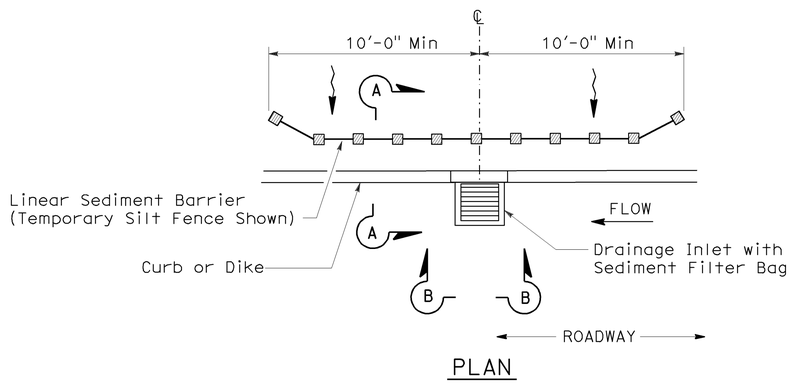


SECTION B-B

SEDIMENT FILTER BAG DETAIL

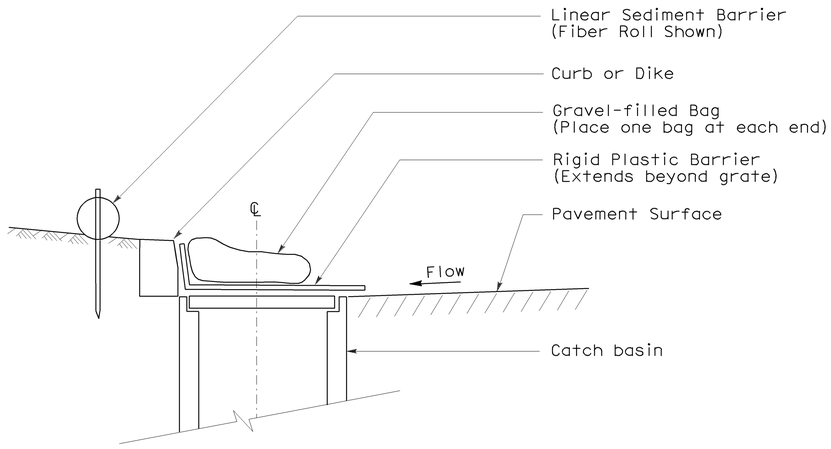


SECTION A-A



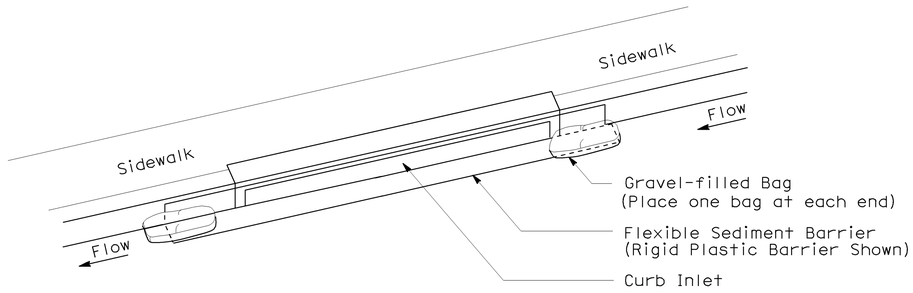
PLAN

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



SECTION

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



PERSPECTIVE

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

NOTES:

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

7-11-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	210	32.9/39.6	52	52

REGISTERED CIVIL ENGINEER

October 21, 2011
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Tillat Satter — No. C42892 — Exp. 3-31-12 — CIVIL — STATE OF CALIFORNIA

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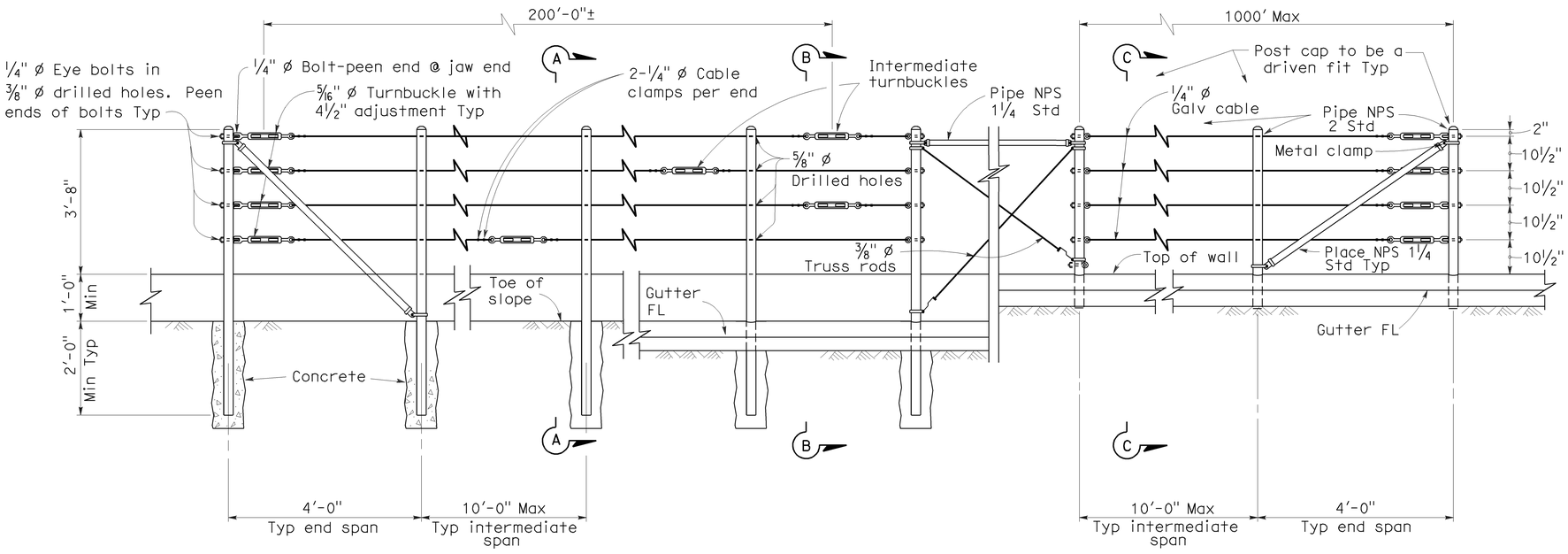
To accompany plans dated 10-10-11

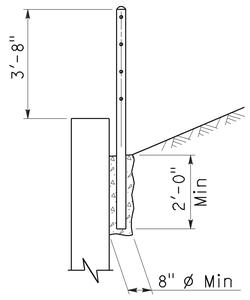


EXISTING WALL (WITHOUT GUTTER) — Existing

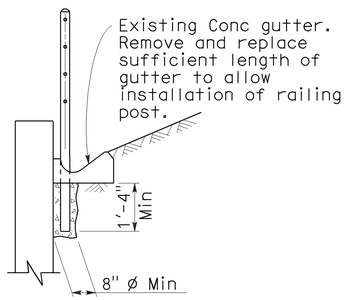
RETAINING WALL (WITH GUTTER) — Existing

RETAINING WALL (WITH GUTTER) — New construction

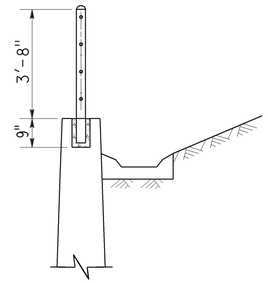
ELEVATION



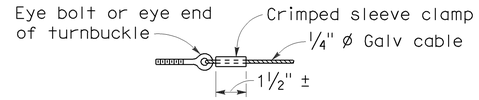
SECTION A-A — Existing



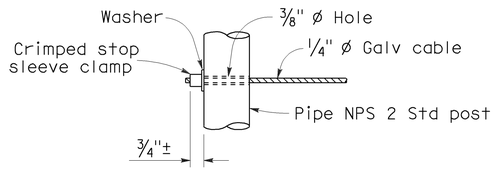
SECTION B-B — Existing



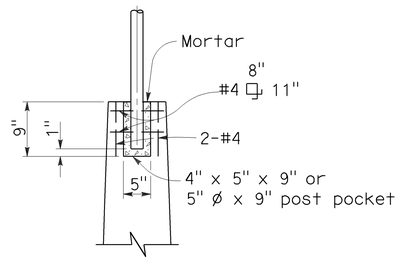
SECTION C-C — New construction



ALTERNATIVE CABLE CONNECTION



ALTERNATIVE DEAD END ANCHORAGE



POST POCKET

NOTES:

1. Maximum distance between turnbuckles shall be 200'-0"±.
2. Intermediate turnbuckles to be placed in adjacent spans.
3. Cable shall not be spliced between intermediate turnbuckles and end posts.
4. All posts, cable, and hardware to be galvanized.
5. Posts to be vertical.
6. Alignment of holes in posts may vary to conform to slope of top of retaining wall.
7. The Contractor shall verify all dependent dimensions in the field before ordering or fabricating any material.
8. Alternative details may be submitted by the Contractor for approval by the Engineer.
9. Line posts shall be braced horizontally and trussed diagonally in both directions at intervals not to exceed 1000'.
10. Post pockets to be centered in top of wall.
11. Typical end spans, braced in both directions, shall be constructed at changes in line where the angle of deflection is 15° or more.
12. Provide thimbles at all cable loops.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CABLE RAILING

NO SCALE

RSP B11-47 DATED OCTOBER 21, 2011 SUPERSEDES STANDARD PLAN B11-47 DATED MAY 1, 2006 - PAGE 268 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP B11-47

2006 REVISED STANDARD PLAN RSP B11-47

9-19-11