

INDEX OF PLANS

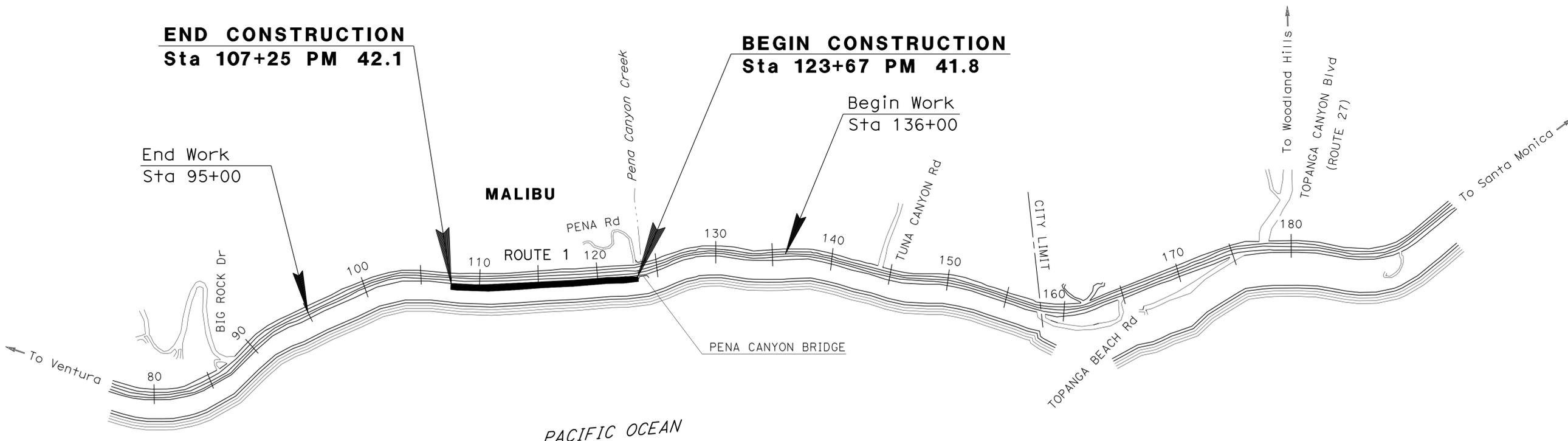
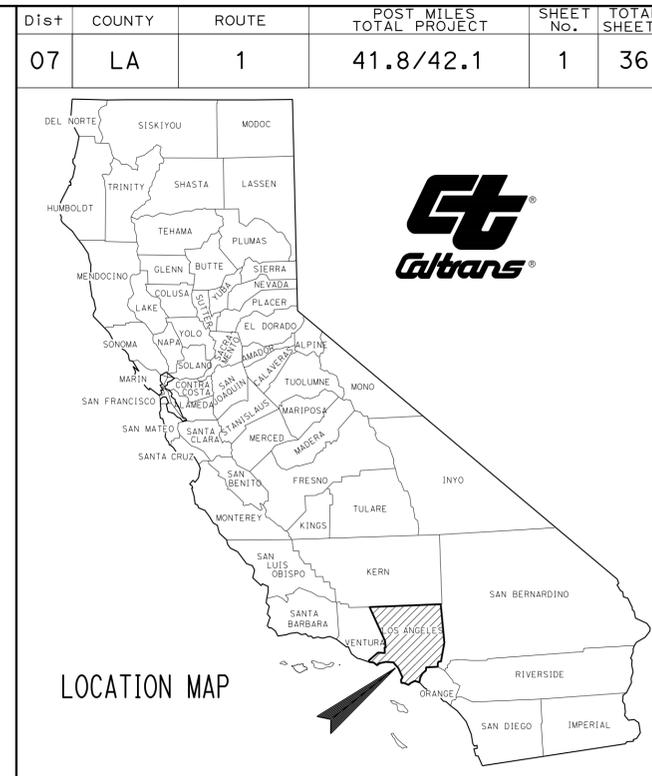
SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
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THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN LOS ANGELES COUNTY
IN MALIBU FROM PENA CANYON BRIDGE
TO 0.3 MILES NORTH OF PENA CANYON BRIDGE

ER-17E4(004)E

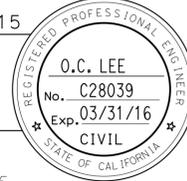
TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010



PROJECT MANAGER SYED HUO	DESIGN ENGINEER O. C. LEE
-----------------------------	------------------------------

NO SCALE

7/8/15
 PROJECT ENGINEER REGISTERED CIVIL ENGINEER DATE
 July 27, 2015
 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.	07-316604
PROJECT ID	0715000212

DATE PLOTTED => 19-AUG-2015 TIME PLOTTED => 09:45 03-16-15

NOTES:

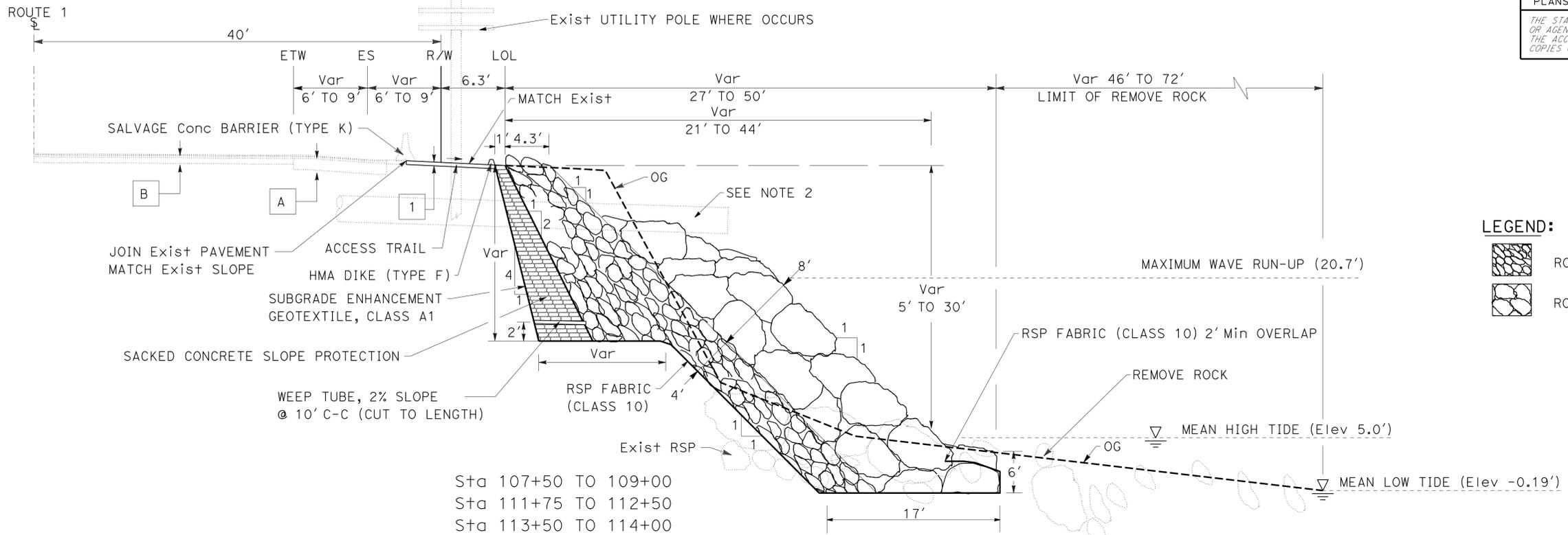
1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES IN THE STANDARD SPECIFICATIONS.
2. FOR DRAINAGE PIPES AND WORK SEE DRAINAGE PLANS.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	1	41.8/42.1	2	36

O.C. LEE
 REGISTERED CIVIL ENGINEER DATE 7-8-15
 7-27-15
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 No. C28039
 Exp. 03/31/16
 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.

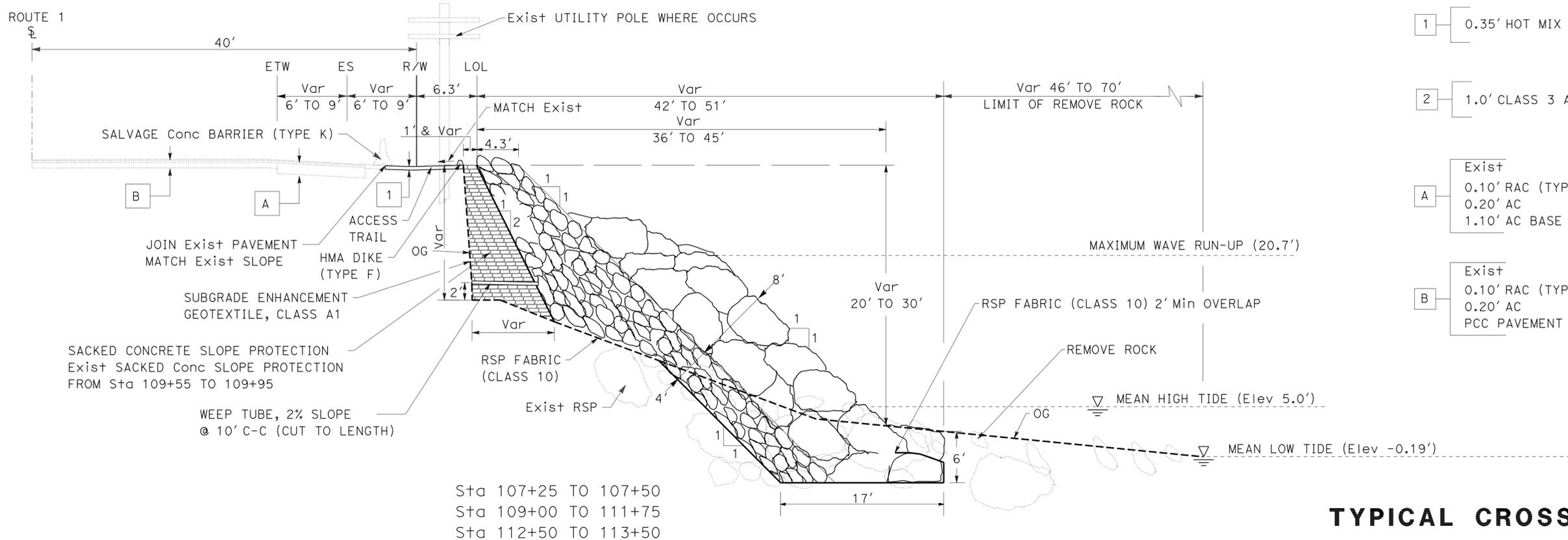


LEGEND:

- ROCK SLOPE PROTECTION (1/2T, METHOD A)
- ROCK SLOPE PROTECTION (8T, METHOD A)

TYPICAL PAVEMENT STRUCTURE SECTIONS

- 1 0.35' HOT MIX ASPHALT (TYPE A)
- 2 1.0' CLASS 3 AGGREGATE BASE
- A Exist
0.10' RAC (TYPE G)
0.20' AC
1.10' AC BASE
- B Exist
0.10' RAC (TYPE G)
0.20' AC
PCC PAVEMENT



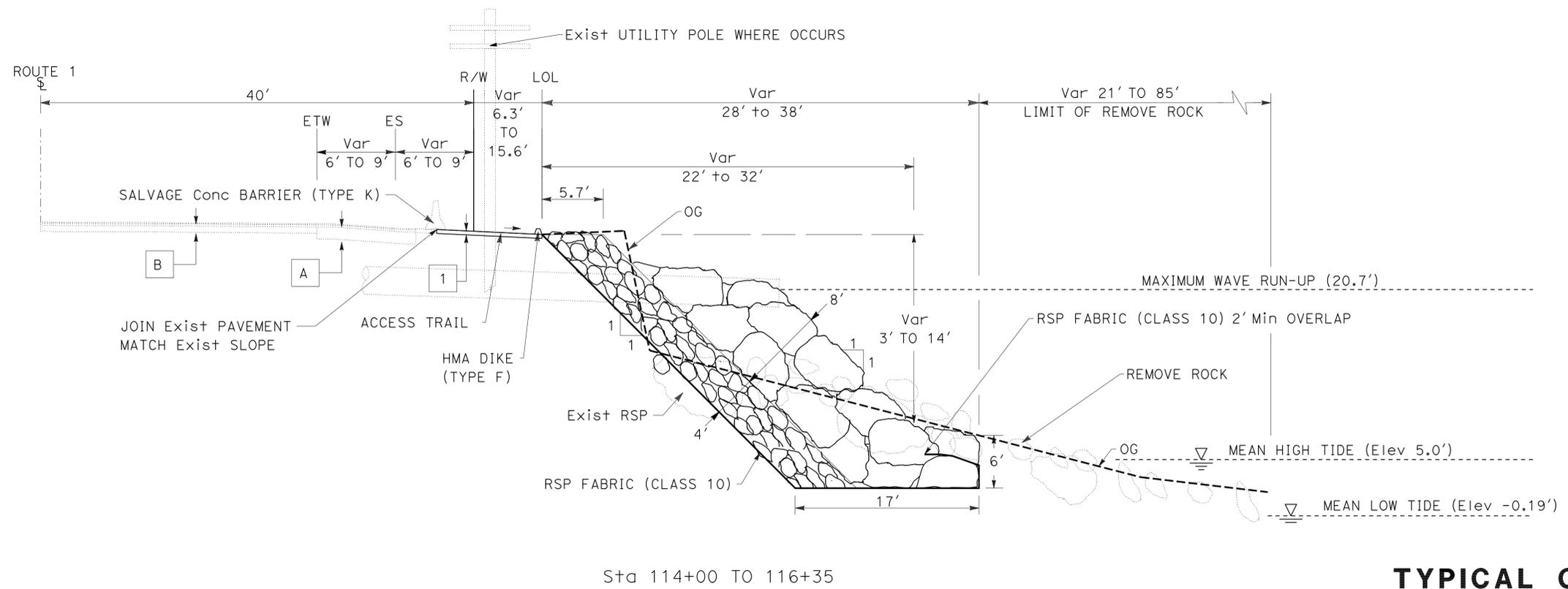
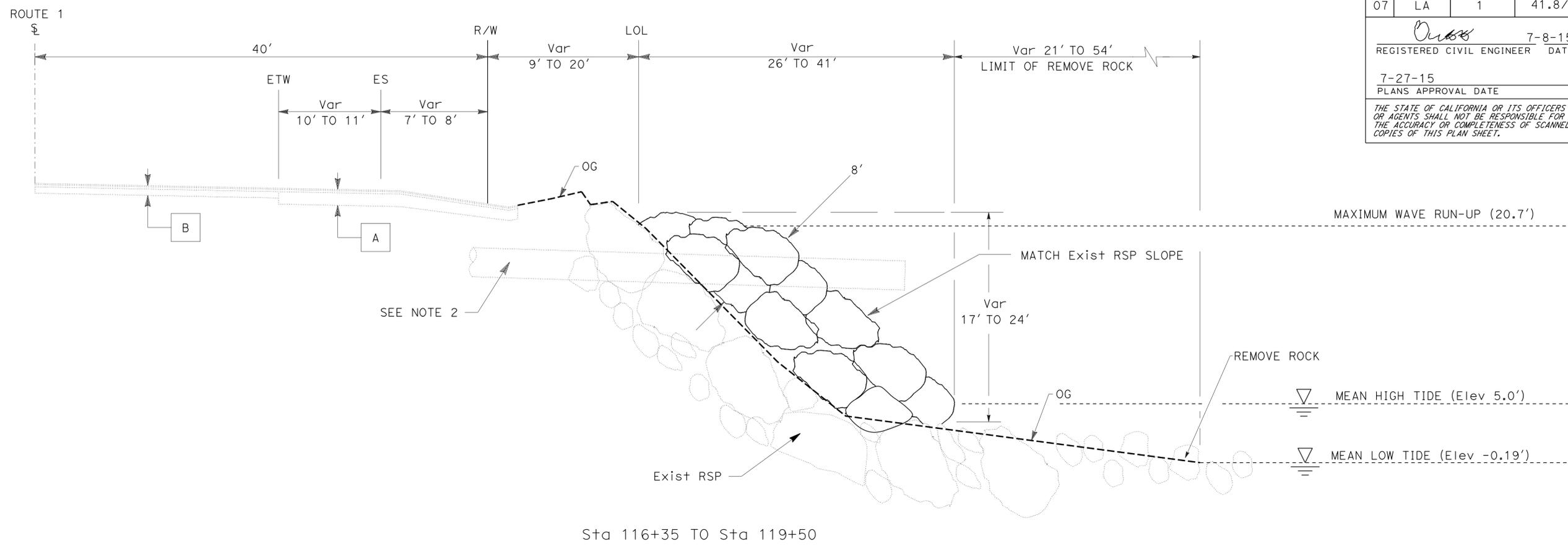
TYPICAL CROSS SECTIONS

NO SCALE

X-1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	1	41.8/42.1	3	36

REGISTERED CIVIL ENGINEER *O.C. LEE* DATE 7-8-15
 PLANS APPROVAL DATE 7-27-15
 No. C28039 Exp. 03/31/16
 O.C. LEE
 REGISTERED PROFESSIONAL ENGINEER
 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 CROSS SECTIONS
NO SCALE
X-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN
 FUNCTIONAL SUPERVISOR: OC LEE
 REVISIONS: B, A, 1
 REVISOR: JOSE OCHOA, MIKE NGUYEN
 DATE: 7/2/2010

USERNAME => \$USER
 DGN FILE => \$REQUEST

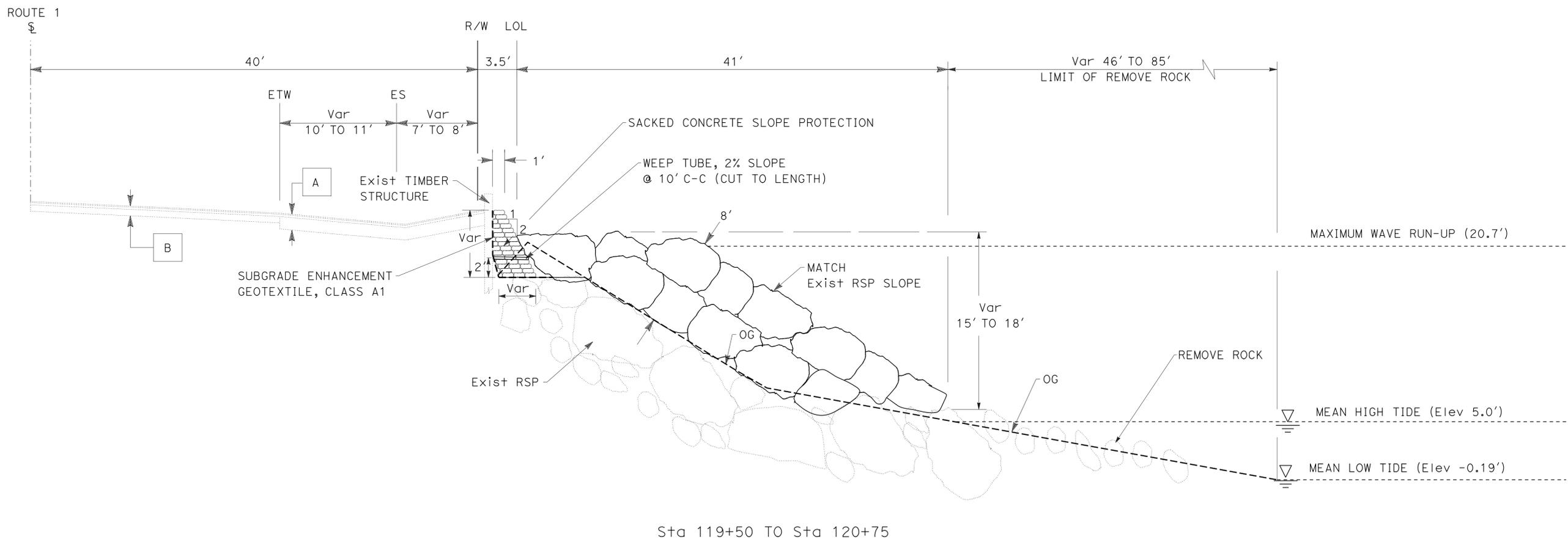
RELATIVE BORDER SCALE IS IN INCHES
 0 1 2 3

UNIT 1814

PROJECT NUMBER & PHASE: 07150002121

LAST REVISION: 03-16-15
 DATE PLOTTED => \$DATE
 TIME PLOTTED => \$TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	1	41.8/42.1	4	36
			7-8-15	DATE	
REGISTERED CIVIL ENGINEER			O.C. LEE		
7-27-15			PLANS APPROVAL DATE		
			No. C28039		
			Exp. 03/31/16		
			CIVIL		
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					



Sta 119+50 TO Sta 120+75

TYPICAL CROSS SECTIONS

NO SCALE

X-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN
 FUNCTIONAL SUPERVISOR: OC LEE
 CALCULATED/DESIGNED BY: JOSE OCHOA, MIKE NGUYEN
 CHECKED BY: JOSE OCHOA, MIKE NGUYEN
 REVISED BY: JOSE OCHOA, MIKE NGUYEN
 DATE REVISED: [Blank]

USERNAME => s121614
 DGN FILE => 731660ca003.dgn

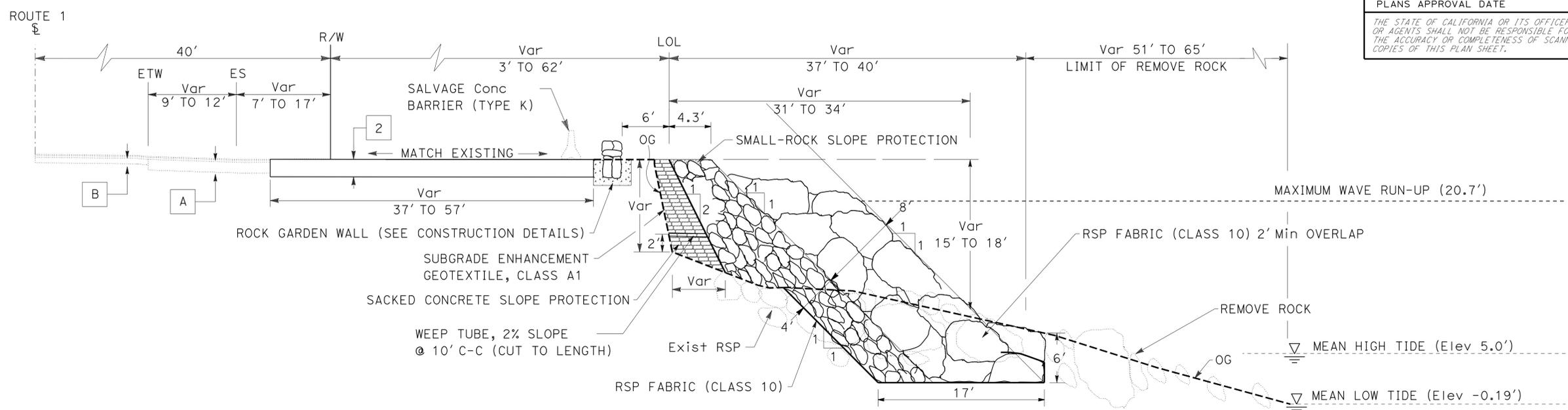


UNIT 1814

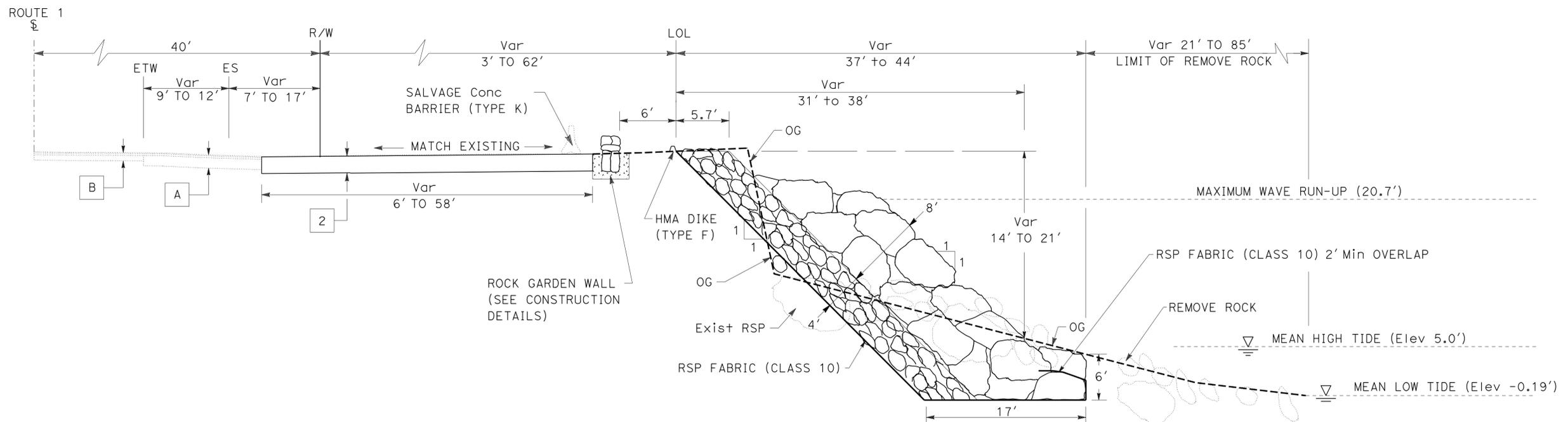
PROJECT NUMBER & PHASE 07150002121

LAST REVISION | DATE PLOTTED => 28-JUL-2015
 03-16-15 TIME PLOTTED => 09:19

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	1	41.8/42.1	5	36
			<i>O. Lee</i> 7-8-15 REGISTERED CIVIL ENGINEER DATE		
			7-27-15 PLANS APPROVAL DATE		
			REGISTERED PROFESSIONAL ENGINEER No. C28039 Exp. 03/31/16 CIVIL STATE OF CALIFORNIA		
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					



Sta 121+75 TO 122+00
 Sta 122+25 TO 122+50



Sta 120+75 TO 121+75
 Sta 122+00 TO 122+25
 Sta 122+50 TO 123+67

TYPICAL CROSS SECTIONS

NO SCALE

X-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN
 FUNCTIONAL SUPERVISOR: OC LEE
 REVISIONS: [None]
 REVISOR: [None]
 DATE: [None]
 CHECKED BY: [None]
 DESIGNED BY: [None]

USERNAME => s121614
 DGN FILE => 731660ca004.dgn



UNIT 1814

PROJECT NUMBER & PHASE

07150002121

LAST REVISION | DATE PLOTTED => 28-JUL-2015
 03-16-15 TIME PLOTTED => 09:19

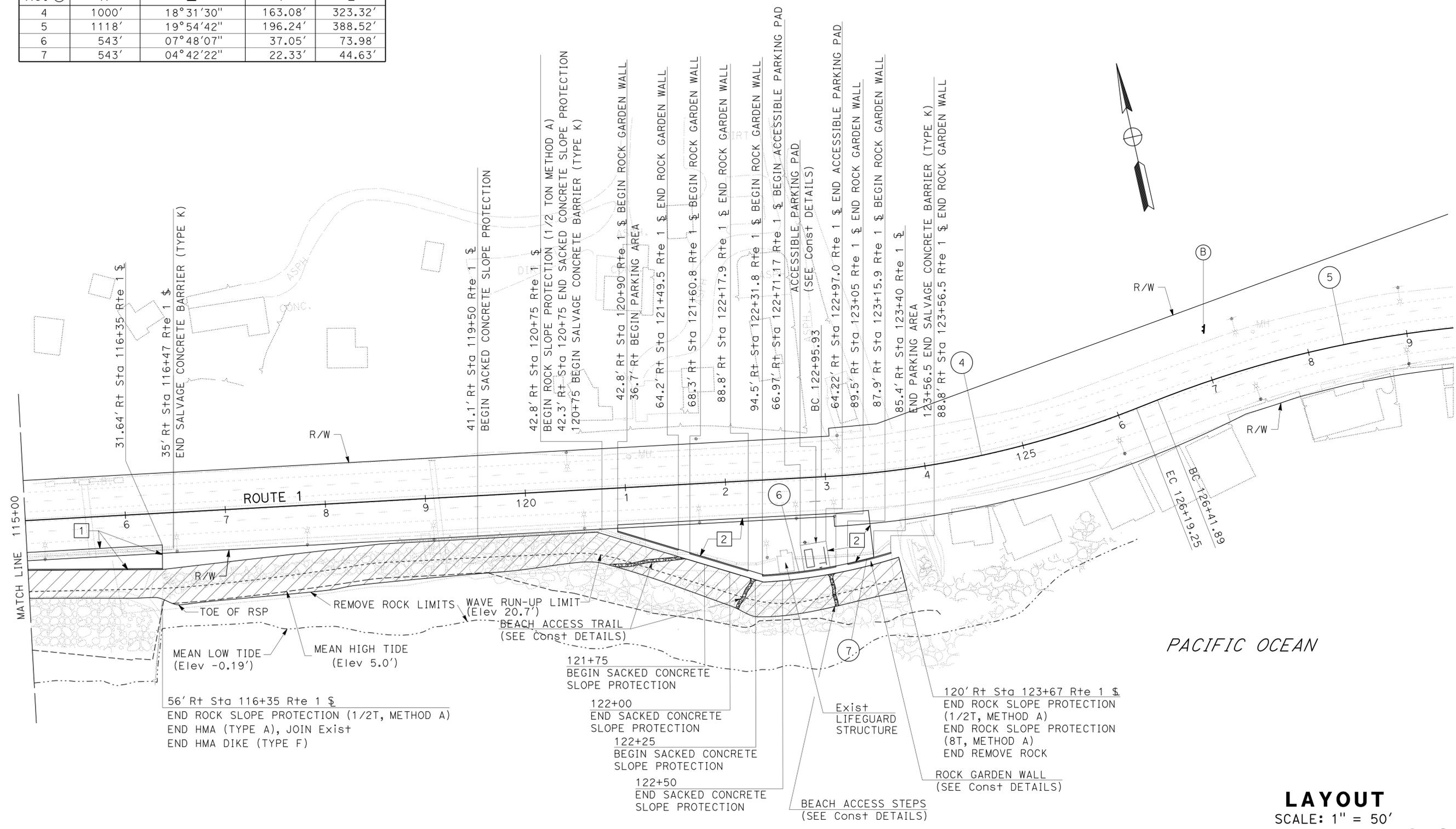
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	1	41.8/42.1	7	36

Mike Nguyen 7-9-15
 REGISTERED CIVIL ENGINEER DATE
 7-27-15
 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.

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

CURVE DATA

No. (X)	R	Δ	T	L
4	1000'	18° 31' 30"	163.08'	323.32'
5	1118'	19° 54' 42"	196.24'	388.52'
6	543'	07° 48' 07"	37.05'	73.98'
7	543'	04° 42' 22"	22.33'	44.63'



LAYOUT
 SCALE: 1" = 50'
L-2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	1	41.8/42.1	8	36

<i>Mike Nguyen</i>	7-9-15
REGISTERED CIVIL ENGINEER	DATE
7-27-15	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
MIKE K. NGUYEN
No. 67756
Exp. 6-30-17
CIVIL
STATE OF CALIFORNIA

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NOTE:

CONSTRUCTION METHOD:

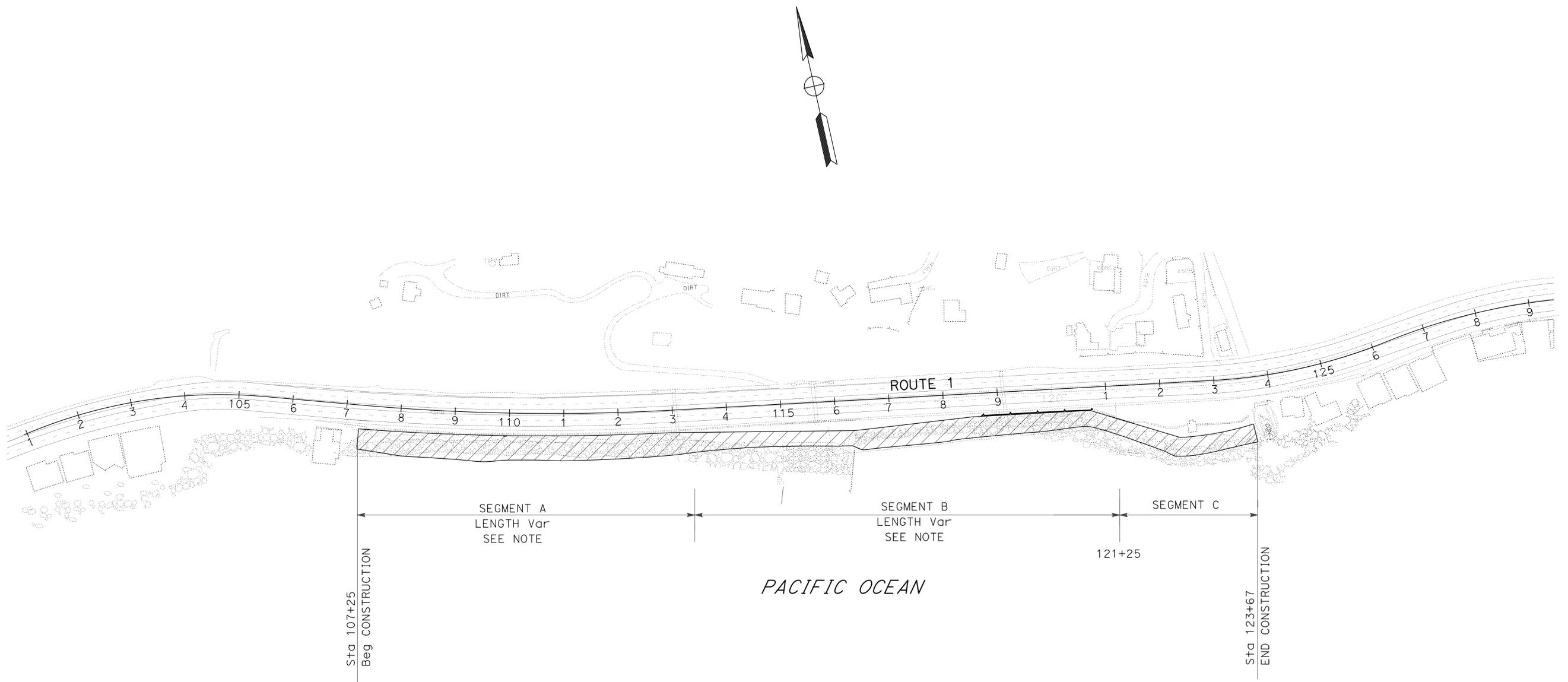
SEGMENT A: CONSTRUCT SLOPE FROM BEACH PER DETAIL A (SEE SHEET C-2).
 SEGMENT B: CONSTRUCT SLOPE FROM TEMPORARY PLATFORM PER DETAIL B (SEE SHEET C-2).
 SEGMENT C: CONSTRUCT SLOPE FROM TOP OF SLOPE.

LENGTH OF SEGMENTS A AND B TO BE DETERMINED BY THE CONTRACTOR.

LEGEND:

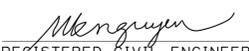
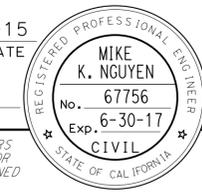
-  TEMPORARY NON-SKID SURFACE STEEL PLATE
-  SLOPE TO BE RECONSTRUCTED

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN
FUNCTIONAL SUPERVISOR
OC LEE
CALCULATED/DESIGNED BY
CHECKED BY
MIKE NGUYEN
JOSE OCHOA
REVISED BY
DATE
REVISED
DATE
REVISED
DATE



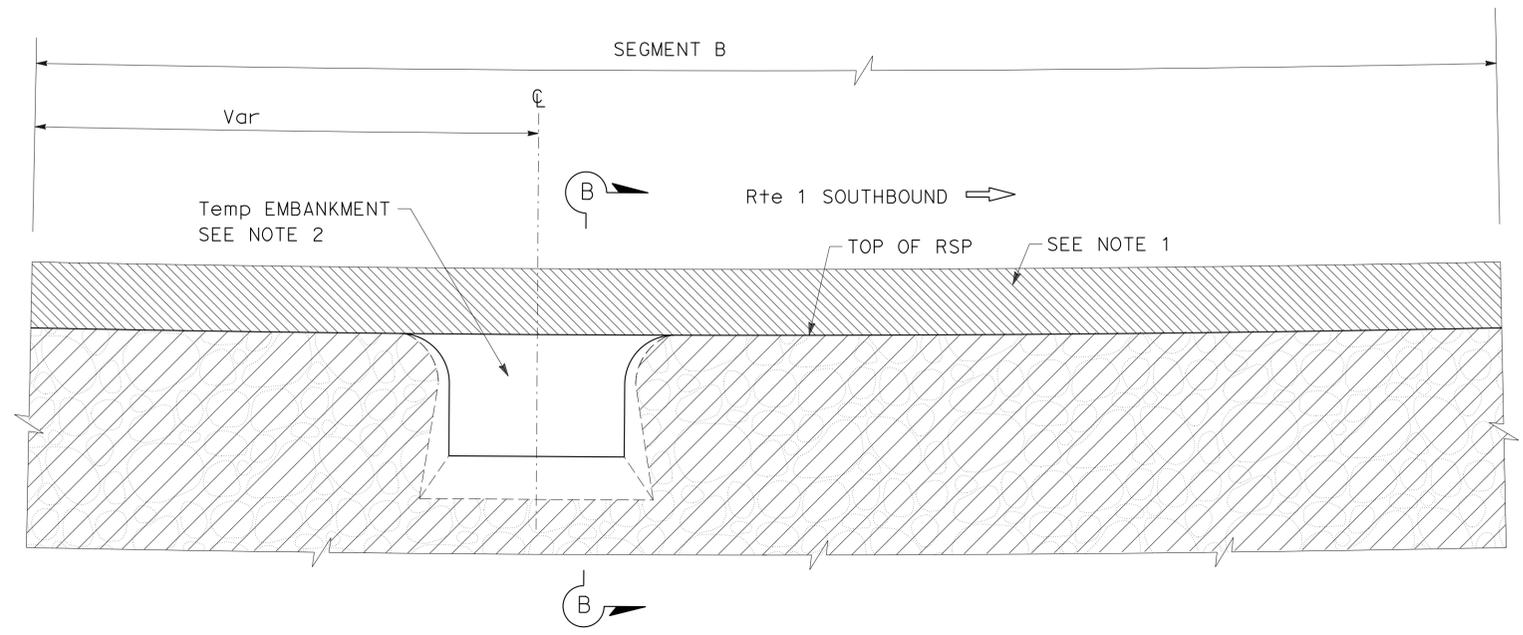
CONSTRUCTION DETAILS
NO SCALE

C-1

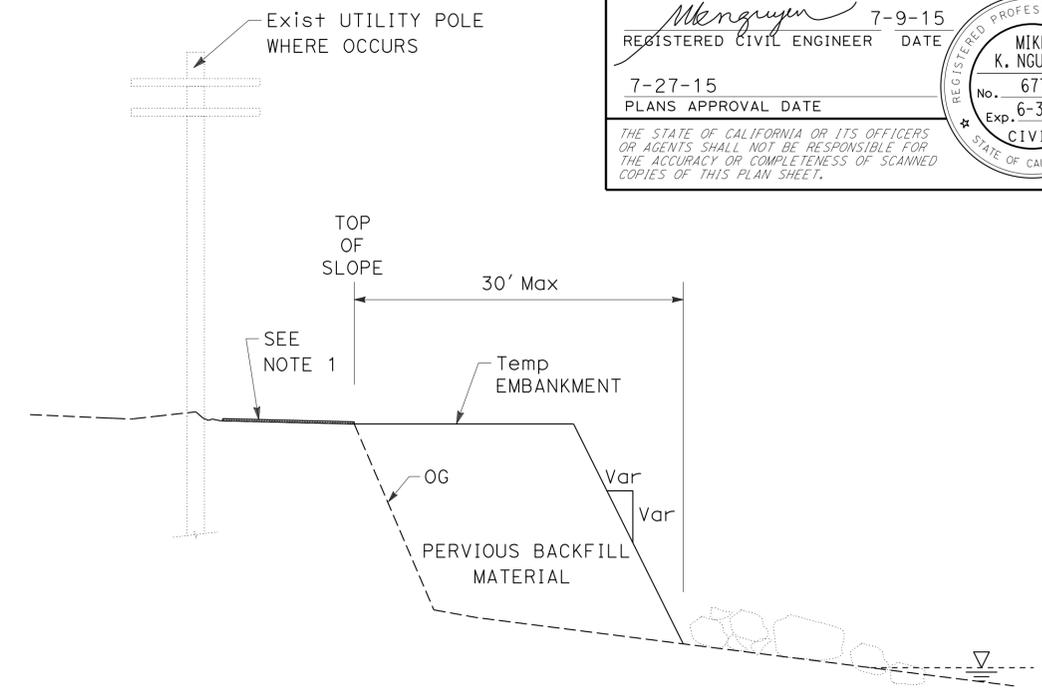
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	1	41.8/42.1	9	36
			7-9-15	DATE	
REGISTERED CIVIL ENGINEER					
7-27-15			PLANS APPROVAL DATE		
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					
					

NOTES:

1. PLACE TEMPORARY NON-SKID SURFACE STEEL PLATES TO PROTECT UNDERGROUND UTILITIES DURING CONSTRUCTION.
2. TEMPORARY EMBANKMENT DIMENSIONS AND LOCATIONS TO BE DEFINED BY THE CONTRACTOR.

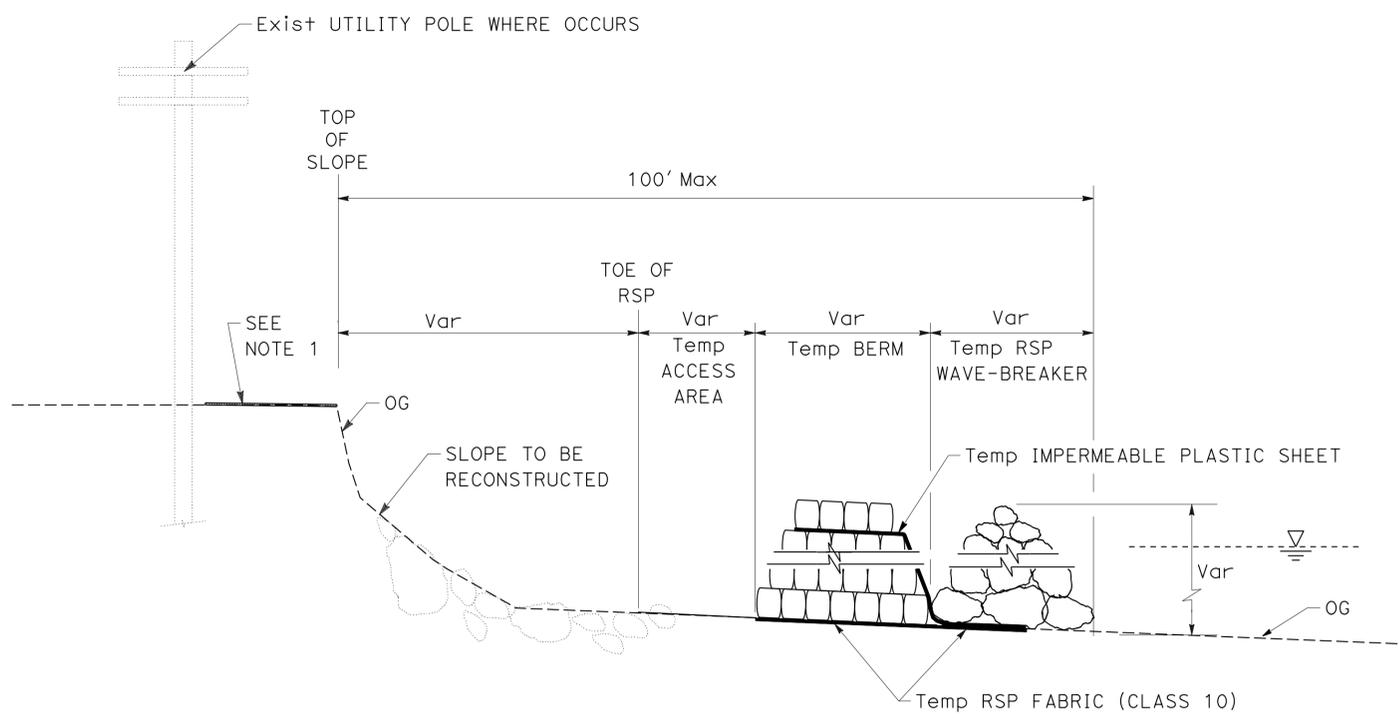


PLAN VIEW

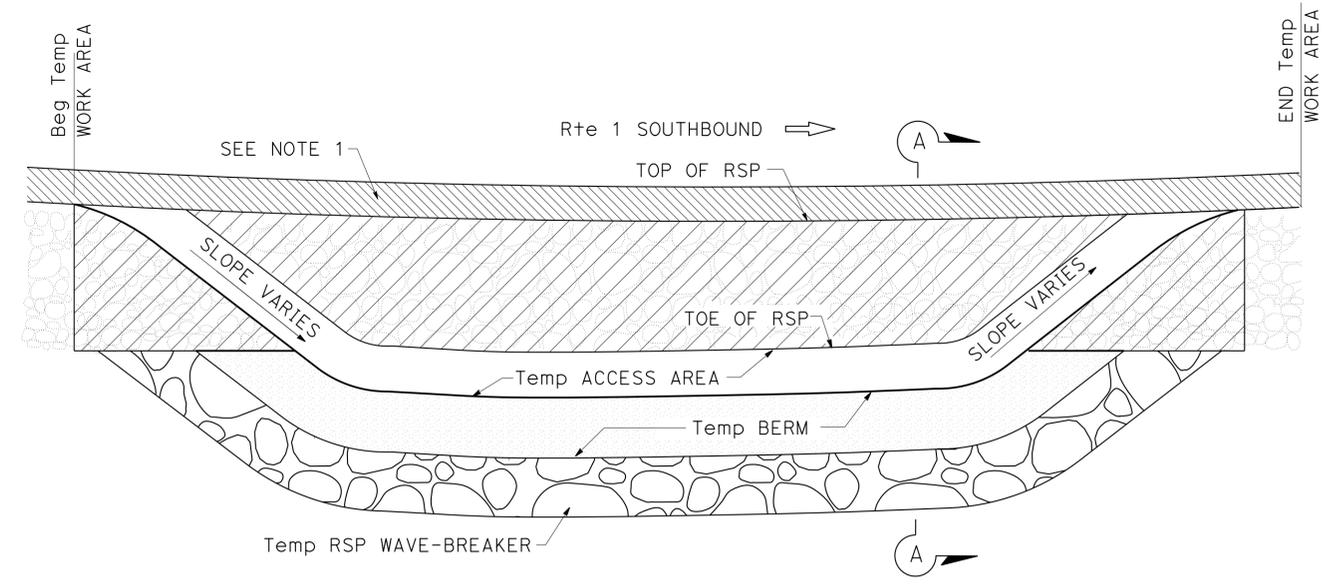


SECTION B-B

**DETAIL B
WORK FROM TEMPORARY EMBANKMENT**



SECTION A-A



PLAN VIEW

**DETAIL A
WORK FROM BEACH
(TEMPORARY WORK AREA)**

**CONSTRUCTION DETAILS
NO SCALE**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN
OC LEE	FUNCTIONAL SUPERVISOR
JOSE OCHOA	REVISOR
MIKE NGUYEN	DESIGNER
OC LEE	CHECKED BY
MIKE NGUYEN	DESIGNED BY
JOSE OCHOA	CALCULATED
MIKE NGUYEN	DATE
JOSE OCHOA	REVISOR
MIKE NGUYEN	DATE
JOSE OCHOA	REVISOR
MIKE NGUYEN	DATE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	1	41.8/42.1	10	36

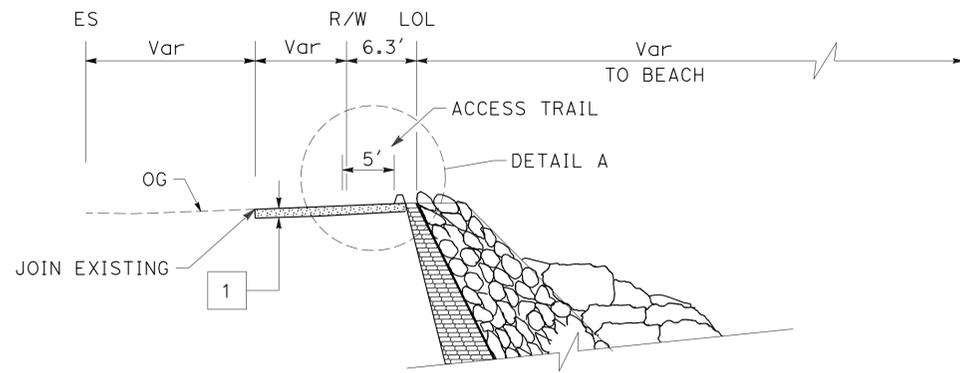
<i>Mike Nguyen</i>	7-9-15
REGISTERED CIVIL ENGINEER	DATE
7-27-15	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
MIKE K. NGUYEN
No. 67756
Exp. 6-30-17
CIVIL
STATE OF CALIFORNIA

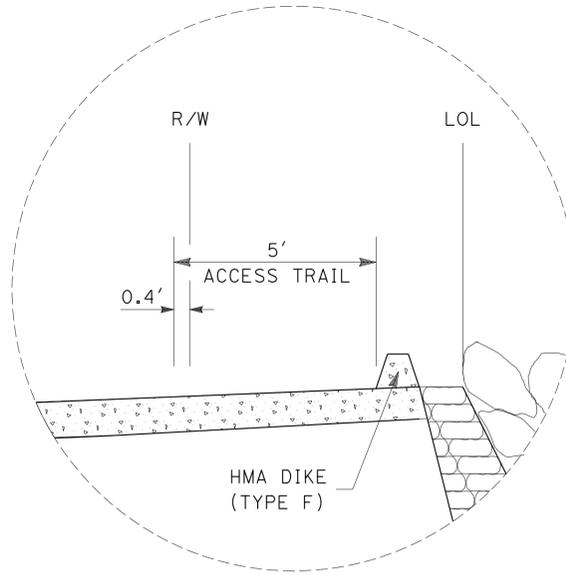
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTE:

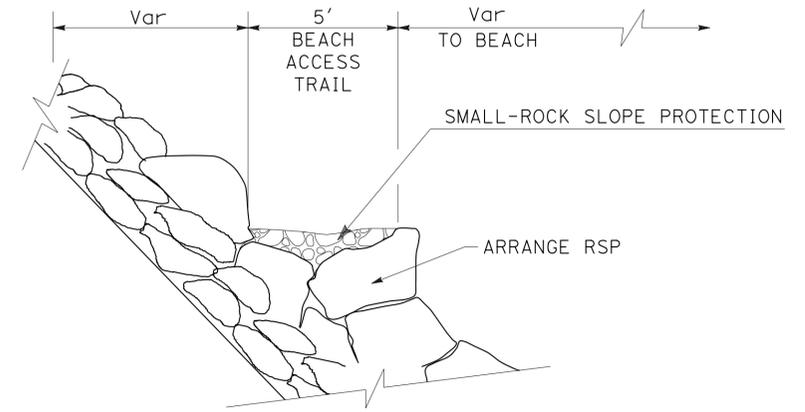
ARRANGE RSP TO FORM BEACH ACCESS TRAIL.



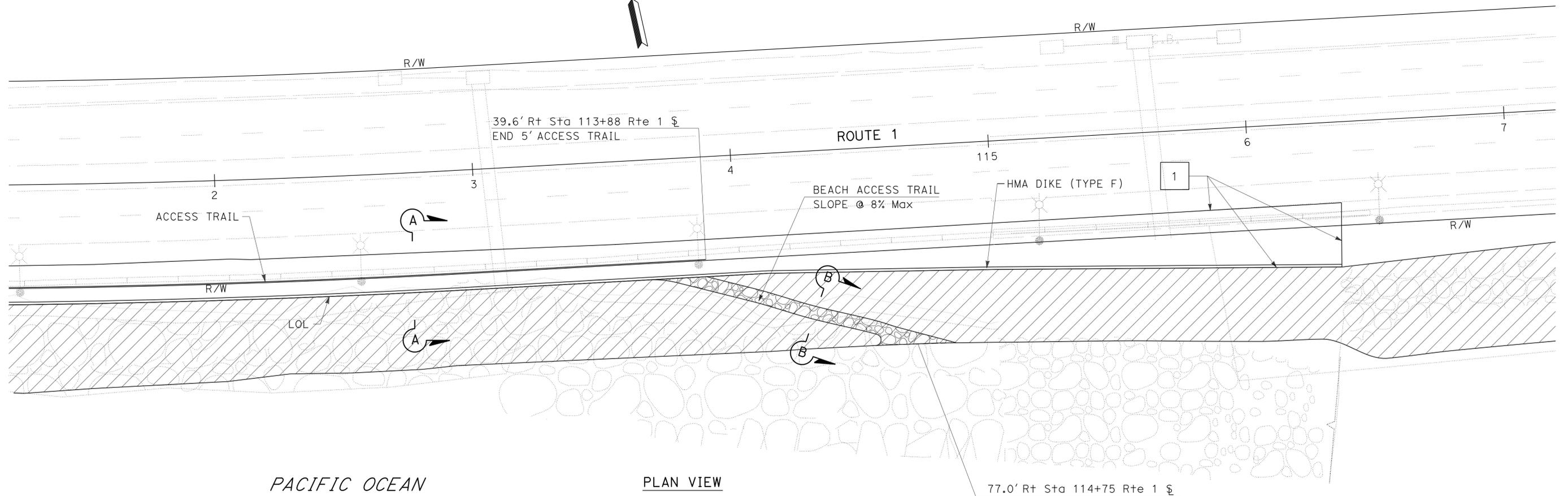
SECTION A-A
NO SCALE



DETAIL A
NO SCALE



SECTION B-B
NO SCALE



PLAN VIEW
SCALE: 1" = 20'

ACCESS TRAILS

CONSTRUCTION DETAILS

SCALE AS SHOWN

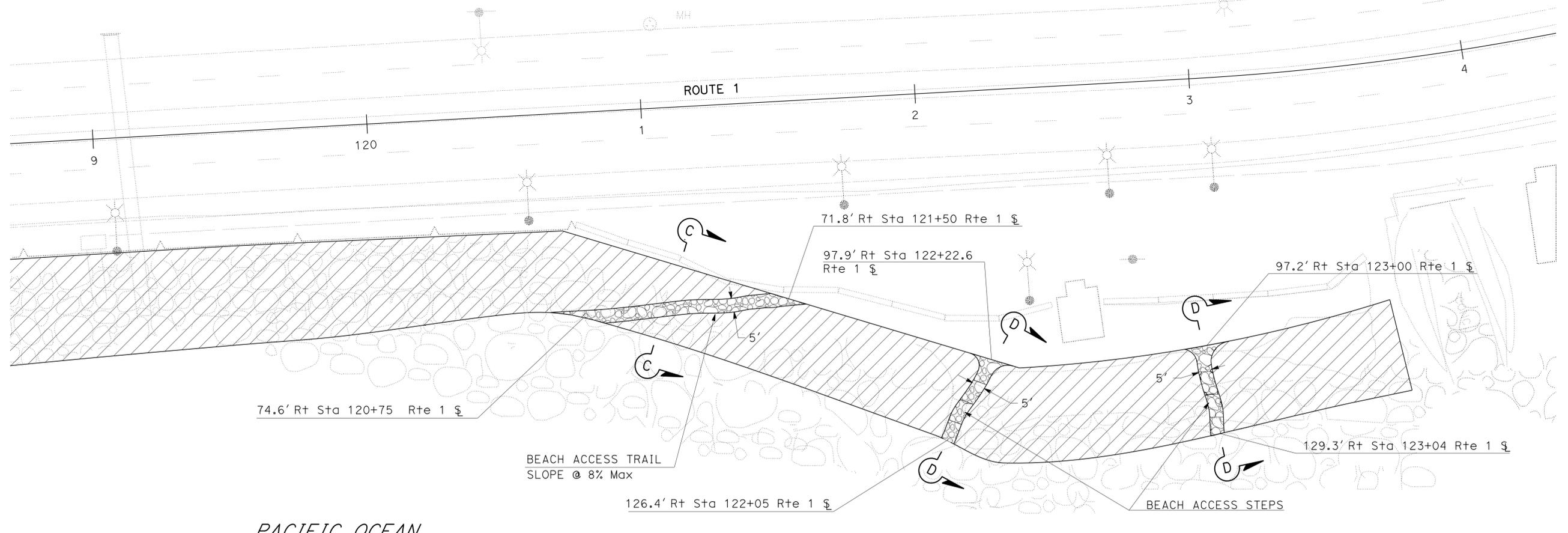
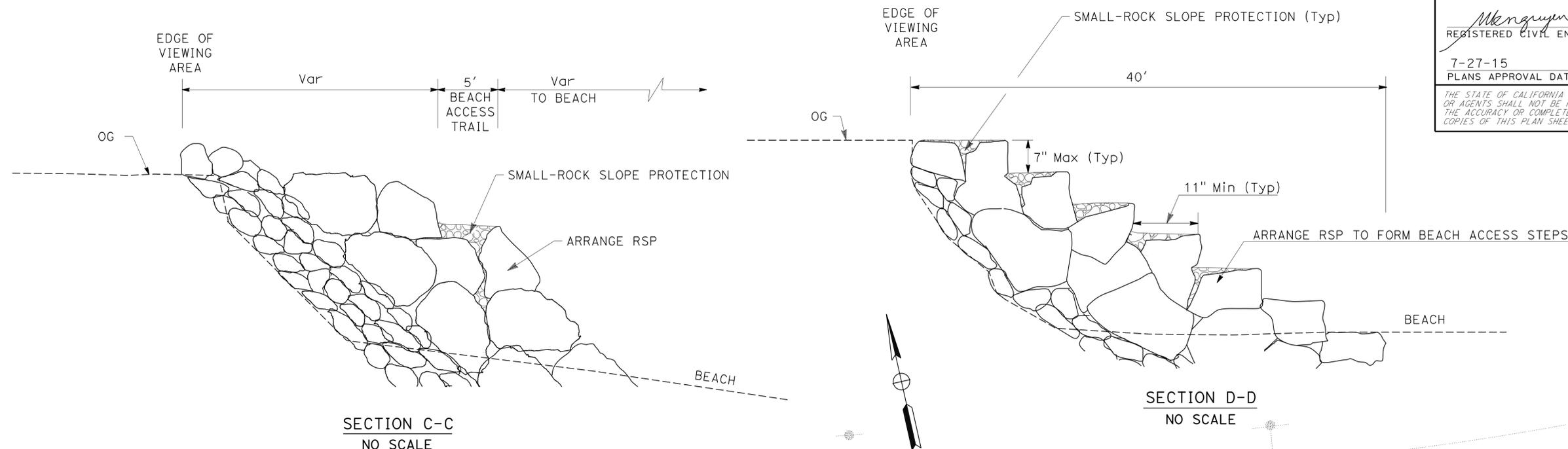
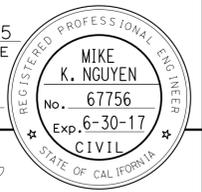
C-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN
OC LEE	FUNCTIONAL SUPERVISOR
MIKE NGUYEN	REVISOR
JOSE OCHOA	DATE REVISOR
	CHECKED BY
	DESIGNED BY
	CALCULATED BY

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	1	41.8/42.1	11	36

<i>Mike Nguyen</i>	7-9-15
REGISTERED CIVIL ENGINEER	DATE
7-27-15	
PLANS APPROVAL DATE	

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PLAN VIEW
SCALE: 1" = 20'

BEACH ACCESS TRAIL AND BEACH ACCESS STEPS

CONSTRUCTION DETAILS

SCALE AS SHOWN

C-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN
 FUNCTIONAL SUPERVISOR: OC LEE
 CALCULATED/DESIGNED BY: MIKE NGUYEN
 CHECKED BY: JOSE OCHOA
 REVISED BY: MIKE NGUYEN
 DATE REVISED: [blank]

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	1	41.8/42.1	12	36

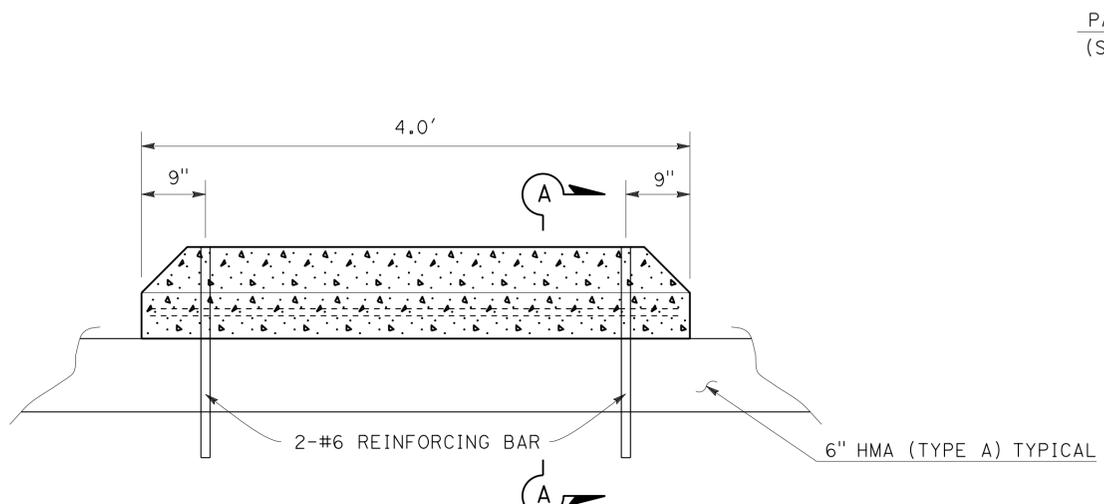
Mike Nguyen 7-9-15
 REGISTERED CIVIL ENGINEER DATE
 7-27-15
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 MIKE K. NGUYEN
 No. 67756
 Exp. 6-30-17
 CIVIL
 STATE OF CALIFORNIA

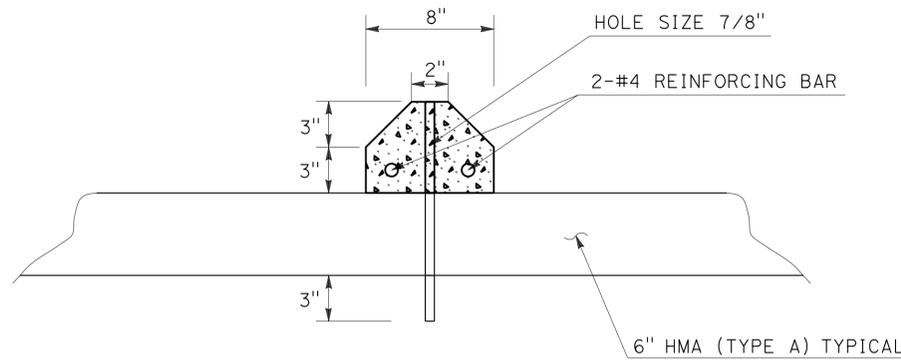
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

ROADSIDE SIGN (ACCESSIBLE PARKING)

SIGN No. (X)	SIGN CODE	PANEL SIZE	No. OF POSTS AND SIZE	EA
A	R99(CA)	12" x 18"	1 - 6" x 6"	1

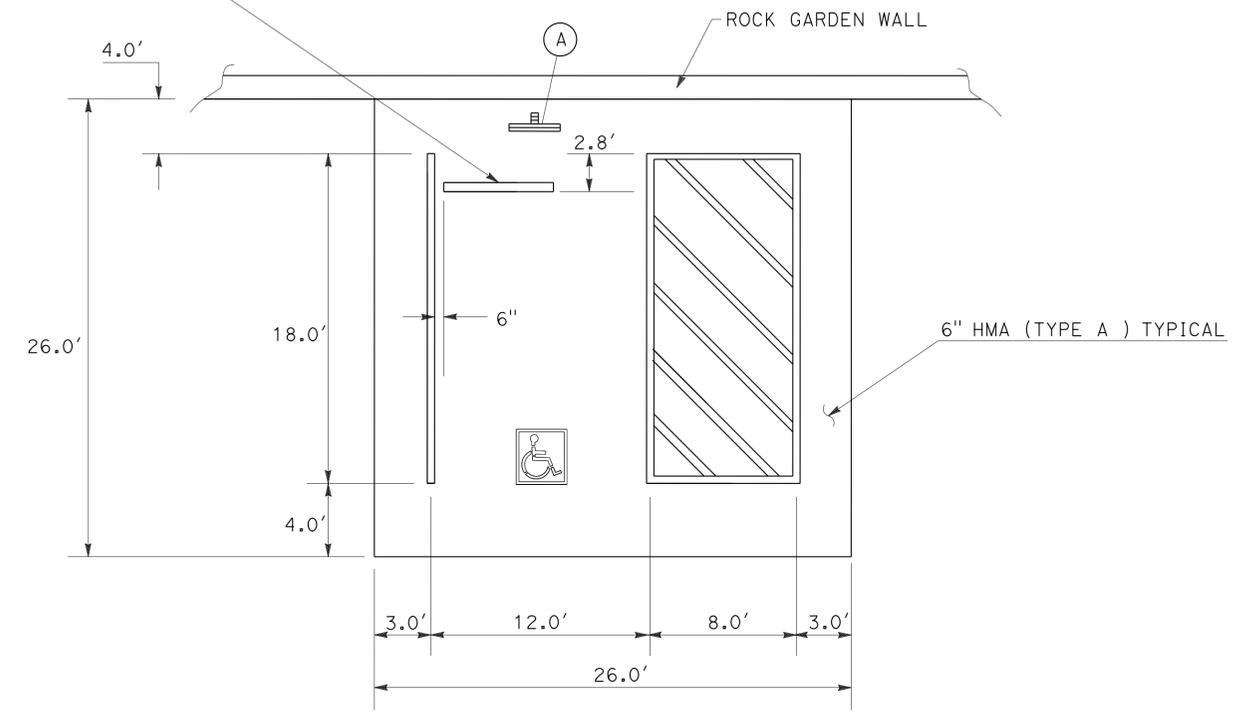


DETAIL A
PARKING BUMPER
(PRECAST CONCRETE) DETAIL



SECTION A-A

PARKING BUMPER (PRECAST CONCRETE)
(SEE DETAIL A)



ACCESSIBLE PARKING PLAN VIEW
SINGLE PARKING STALL
(FOR DETAILS NOT SHOWN, SEE REVISED STD PLAN A90A)

ACCESSIBLE PARKING

CONSTRUCTION DETAILS

NO SCALE

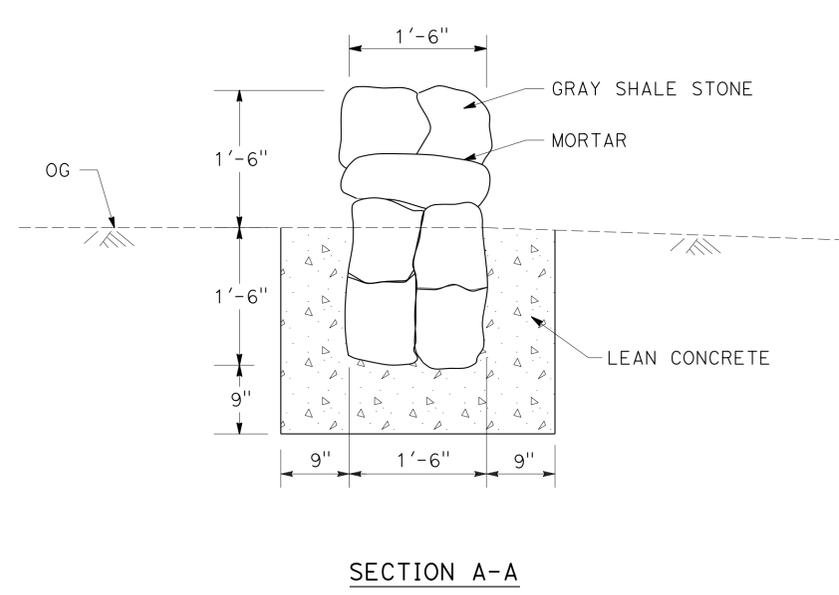
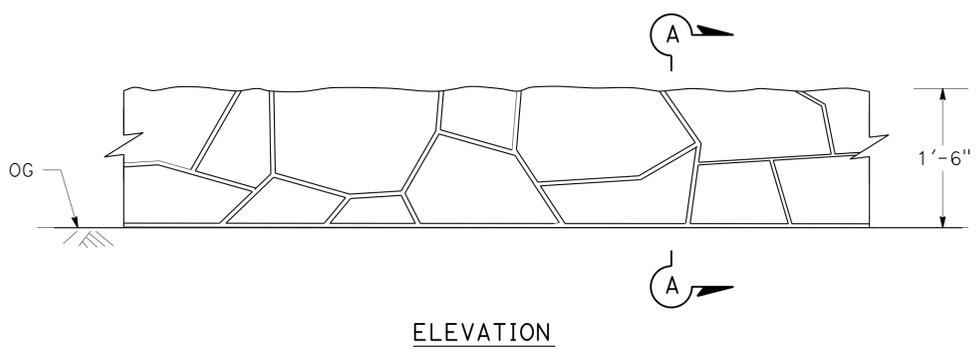
C-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN
 FUNCTIONAL SUPERVISOR OC LEE
 CALCULATED/DESIGNED BY
 CHECKED BY
 MIKE NGUYEN JOSE OCHOA
 REVISED BY DATE REVISION
 USERNAME => s121614
 DGN FILE => 731660ga005.dgn
 BORDER LAST REVISED 7/2/2010
 RELATIVE BORDER SCALE 15 IN INCHES
 UNIT 1814
 PROJECT NUMBER & PHASE 07150002121

LAST REVISION DATE PLOTTED => 28-JUL-2015
 03-16-15 TIME PLOTTED => 09:20

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	1	41.8/42.1	13	36
			<i>Mike Nguyen</i>	7-9-15	
			REGISTERED CIVIL ENGINEER	DATE	
			7-27-15		
			PLANS APPROVAL DATE		
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN
Caltrans	
FUNCTIONAL SUPERVISOR	OC LEE
CALCULATED, DESIGNED BY	CHECKED BY
MIKE NGUYEN	JOSE OCHOA
REVISOR	DATE



ROCK GARDEN WALL

CONSTRUCTION DETAILS
NO SCALE
C-6

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	1	41.8/42.1	14	36

A. Jitechian 7-10-15
 REGISTERED CIVIL ENGINEER DATE

7-27-15
 PLANS APPROVAL DATE

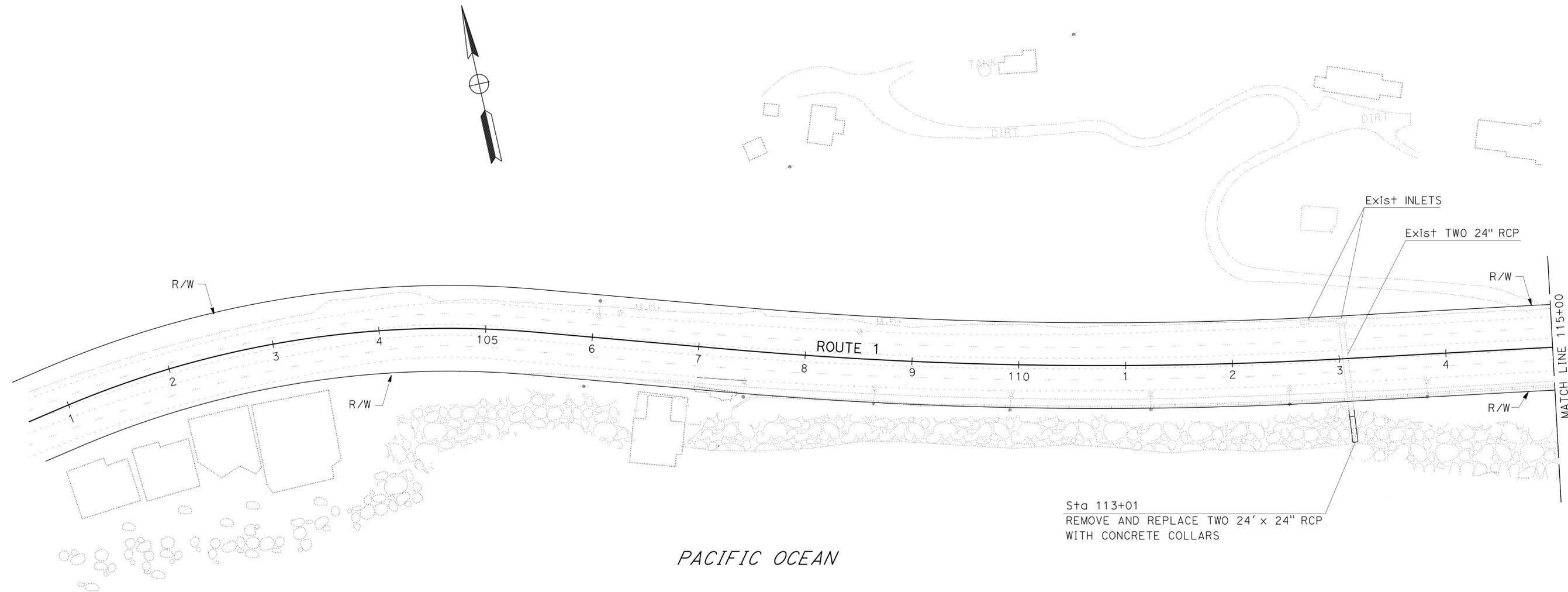
THE STATE OF CALIFORNIA OR ITS OFFICERS
 OR AGENTS SHALL NOT BE RESPONSIBLE FOR
 THE ACCURACY OR COMPLETENESS OF SCANNED
 COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER
ARA JITECHIAN
 No. 54893
 Exp. 6-30-16
 CIVIL
 STATE OF CALIFORNIA

NOTES:

1. ALL DRAINAGE PIPES CUT AT FILTER FABRICS AND REPLACED BY 24' LONG PIPES.
2. JOINTS MUST BE GROUTED.
3. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	DESIGNED BY	REVISOR
Caltrans	DAVE BHALLA	DAVE BHALLA	DAVE BHALLA
HYDRAULICS		CHECKED BY	DATE REVISOR



DRAINAGE PLAN
SCALE: 1" = 50'

D-1

APPROVED FOR DRAINAGE WORK ONLY

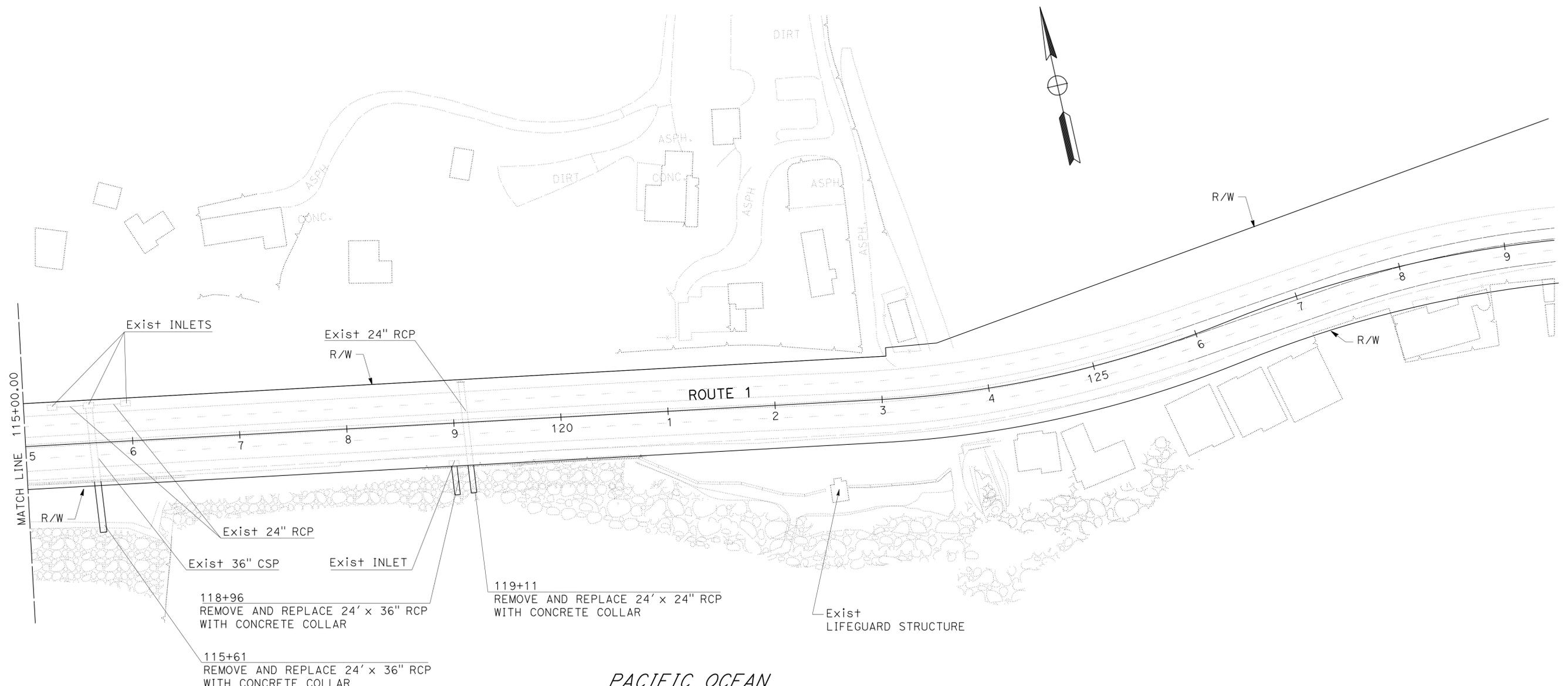
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	1	41.8/42.1	15	36

<i>ARA JITECHIAN</i>	7-10-15
REGISTERED CIVIL ENGINEER	DATE
7-27-15	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
ARA JITECHIAN
No. 54893
Exp. 6-30-16
CIVIL
STATE OF CALIFORNIA

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



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans HYDRAULICS
 FUNCTIONAL SUPERVISOR: DAVE BHALLA
 CALCULATED/DESIGNED BY: DAVE BHALLA
 CHECKED BY: DAVE BHALLA
 REVISED BY: DAVE BHALLA
 DATE REVISED: [blank]

APPROVED FOR DRAINAGE WORK ONLY

DRAINAGE PLAN
SCALE: 1" = 50'

D-2

LAST REVISION DATE PLOTTED => 28-JUL-2015 03-16-15 TIME PLOTTED => 09:20

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	1	41.8/42.1	16	36

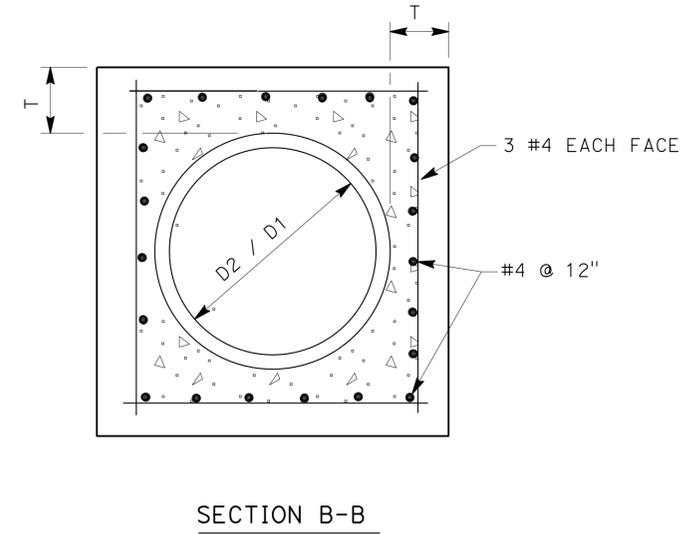
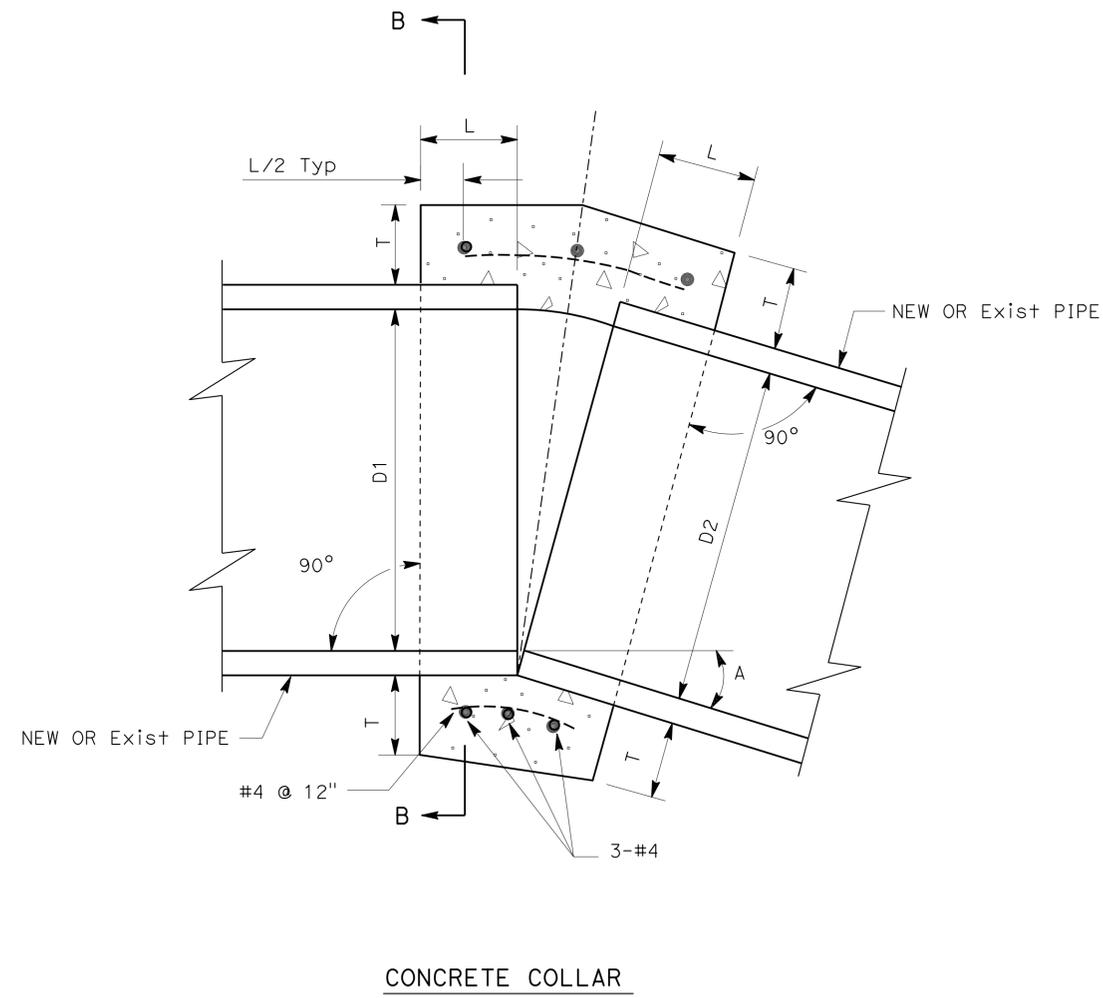
REGISTERED CIVIL ENGINEER DATE 7-10-15
 REGISTERED CIVIL ENGINEER DATE 7-27-15
 PLANS APPROVAL DATE

ARA JITECHIAN
 No. 54893
 Exp. 6-30-16
 CIVIL

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

NOTES:

- WHERE PIPES OF DIFFERENT DIAMETERS ARE JOINED WITH A CONCRETE COLLAR, 'L' AND 'T' SHALL BE THOSE OF THE LARGER PIPE. D=D1 OR D2, WHICHEVER IS GREATER.
- FOR PIPE SIZE NOT LISTED USE NEXT SIZE LARGER.
- OMIT REINFORCING ON PIPES 24" AND LESS IN DIAMETER AND ON PIPES WHERE ANGLE A IS LESS THAN 10°.
- JOIN PIPES AT INVERTS.
- REINFORCEMENT SHALL BE PLACED 1 1/2" CLEAR FROM OUTSIDE DIAMETER OF PIPE.



D	L	T
12"	1.0'	4"
18"	1.0'	5"
24"	1.0'	6"
36"	1.5'	8"
48"	1.5'	10"
60"	1.5'	10"
66"	1.75'	11"
72"	2.0'	12"

DRAINAGE DETAILS
NO SCALE
DD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 HYDRAULICS
 FUNCTIONAL SUPERVISOR DAVE BHALLA
 CALCULATED/DESIGNED BY CHECKED BY
 ARA JITECHIAN DAVE BHALLA
 REVISED BY DATE REVISED

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans HYDRAULICS

BORDER LAST REVISED 7/2/2010

USERNAME => s121614
 DGN FILE => 7316601d001.dgn

RELATIVE BORDER SCALE
 IS IN INCHES



UNIT 1837

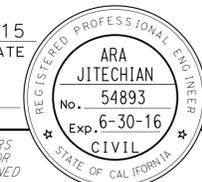
PROJECT NUMBER & PHASE 07150002121

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	1	41.8/42.1	17	36

 7-10-15
 REGISTERED CIVIL ENGINEER DATE

7-27-15
 PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS
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 THE ACCURACY OR COMPLETENESS OF SCANNED
 COPIES OF THIS PLAN SHEET.



DRAINAGE QUANTITIES

SHEET No.	STATION	REMOVE PIPE		24" REINFORCED CONCRETE PIPE	36" REINFORCED CONCRETE PIPE
		24" REINFORCED CONCRETE PIPE	36" REINFORCED CONCRETE PIPE		
D-1	107+25 TO 115+00	48		48	
D-2	115+00 TO 123+67	24	48	24	48
SUBTOTAL		72	48	72	48
TOTAL		120		72	48

**DRAINAGE QUANTITIES
 DQ-1**

LAST REVISION | DATE PLOTTED => 28-JUL-2015
 10-10-14 | TIME PLOTTED => 09:20

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	1	41.8/42.1	18	36

7-10-15
 REGISTERED CIVIL ENGINEER DATE
 7-27-15
 PLANS APPROVAL DATE

HAYKAZ AGHAJANIAN
 No. C53866
 Exp. 12-31-15
 CIVIL

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

NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGH OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- FOR POT HOLE AND ELEVATION INFORMATION OF OVERHEAD CABLES REFER TO TABLES ON PLAN SHEET U-3.
- EXISTING 8 5/8" HIGH PRESSURE GAS LINE (167 PSIG) IS ASBESTOS-COATED STEEL PIPE.
- UTILITY OWNERSHIP ON THIS PROJECT:

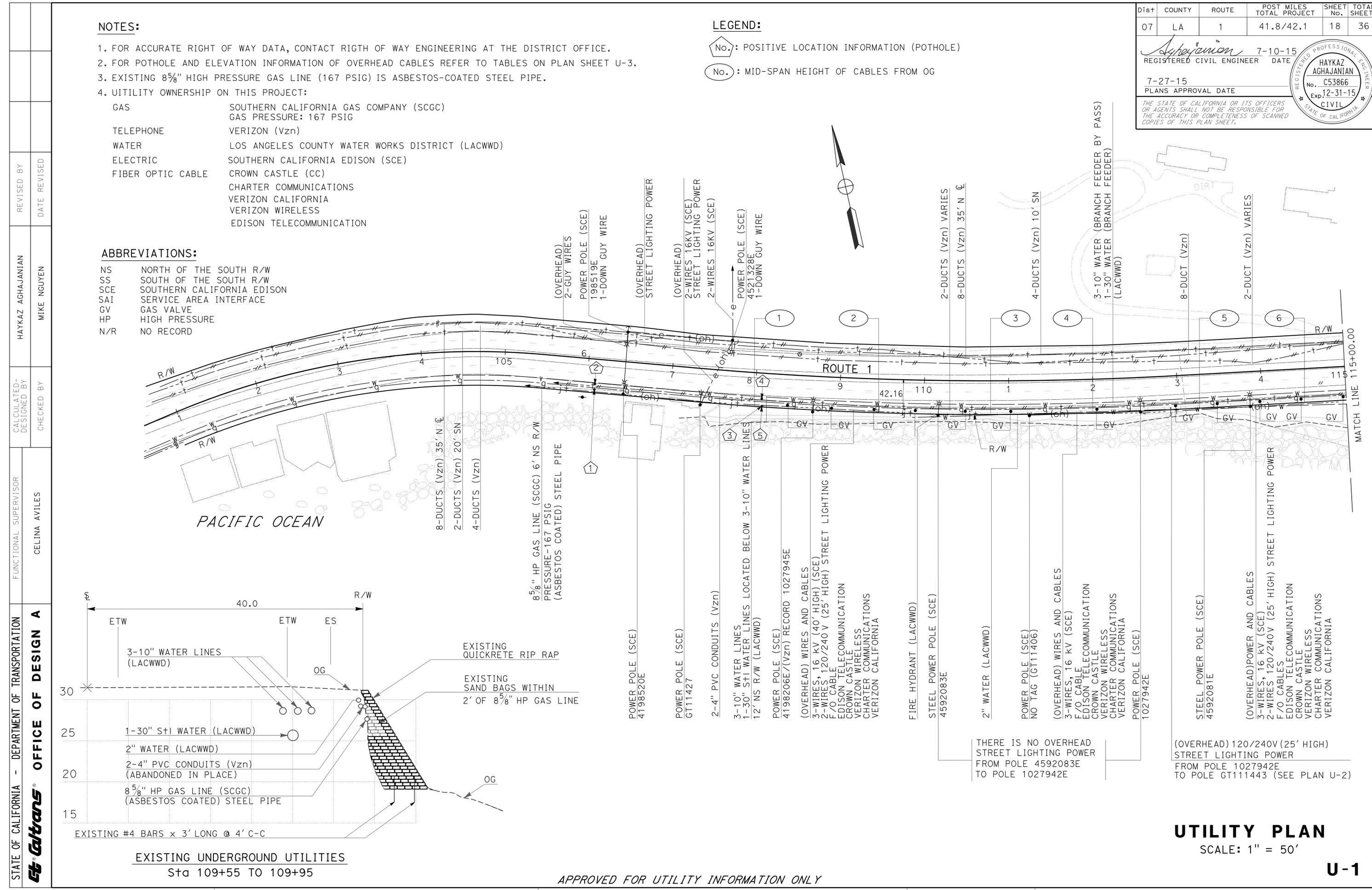
GAS	SOUTHERN CALIFORNIA GAS COMPANY (SCGC)
	GAS PRESSURE: 167 PSIG
TELEPHONE	VERIZON (Vzn)
WATER	LOS ANGELES COUNTY WATER WORKS DISTRICT (LACWWD)
ELECTRIC	SOUTHERN CALIFORNIA EDISON (SCE)
FIBER OPTIC CABLE	CROWN CASTLE (CC)
	CHARTER COMMUNICATIONS
	VERIZON CALIFORNIA
	VERIZON WIRELESS
	EDISON TELECOMMUNICATION

ABBREVIATIONS:

- | | |
|-----|----------------------------|
| NS | NORTH OF THE SOUTH R/W |
| SS | SOUTH OF THE SOUTH R/W |
| SCE | SOUTHERN CALIFORNIA EDISON |
| SAI | SERVICE AREA INTERFACE |
| GV | GAS VALVE |
| HP | HIGH PRESSURE |
| N/R | NO RECORD |

LEGEND:

- No. : POSITIVE LOCATION INFORMATION (POT HOLE)
- No. : MID-SPAN HEIGHT OF CABLES FROM OG



EXISTING UNDERGROUND UTILITIES
St+ 109+55 TO 109+95

UTILITY PLAN
SCALE: 1" = 50'

U-1

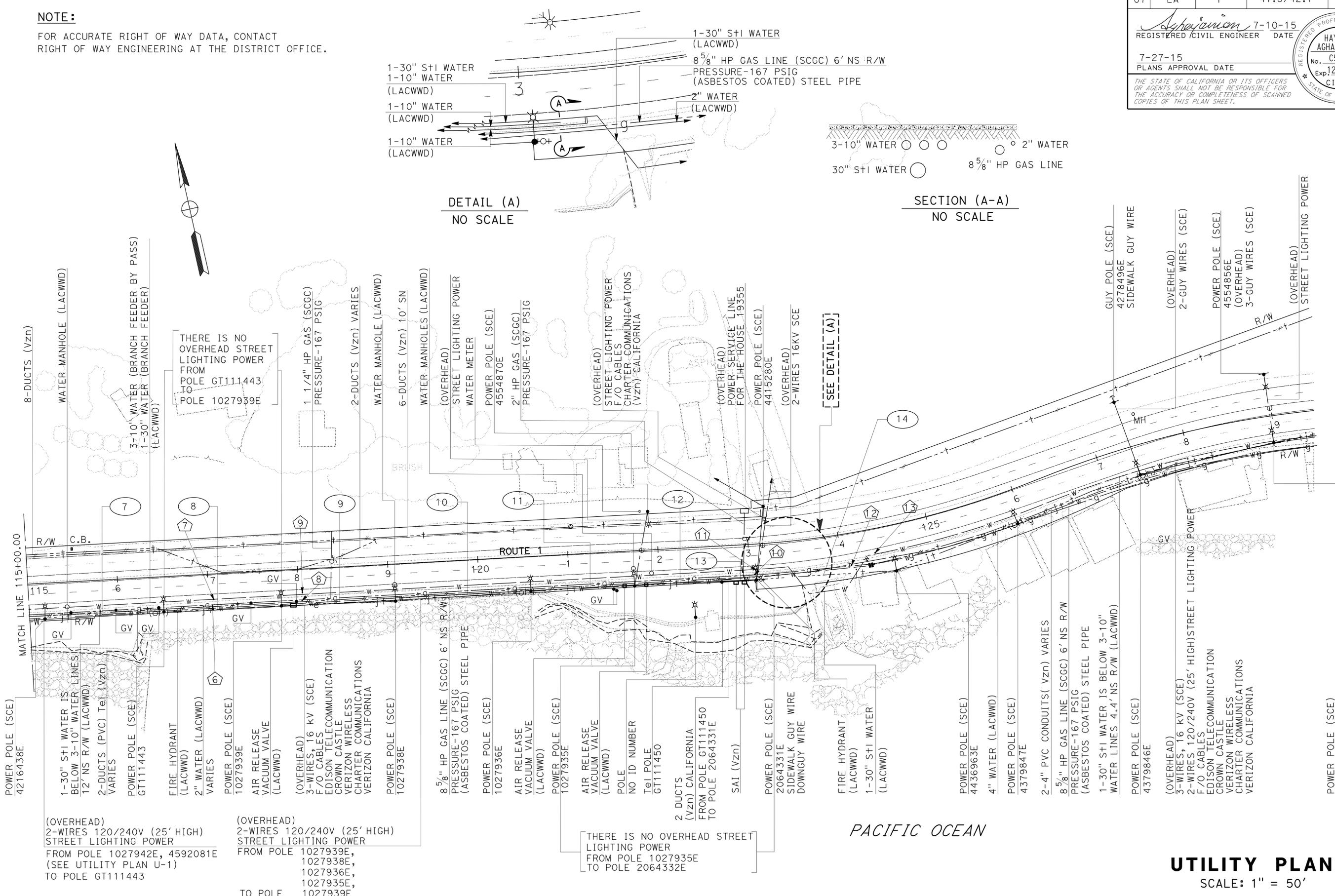
NOTE:
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	1	41.8/42.1	19	36

7-10-15
 REGISTERED CIVIL ENGINEER DATE
 7-27-15
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 HAYKAZ AGHAJANTIAN
 No. C53866
 Exp. 12-31-15
 CIVIL
 STATE OF CALIFORNIA

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



(OVERHEAD)
 2-WIRES 120/240V (25' HIGH)
 STREET LIGHTING POWER
 FROM POLE 1027942E, 4592081E
 (SEE UTILITY PLAN U-1)
 TO POLE GT111443

(OVERHEAD)
 2-WIRES 120/240V (25' HIGH)
 STREET LIGHTING POWER
 FROM POLE 1027939E,
 1027938E,
 1027936E,
 1027935E,
 1027939E
 TO POLE 1027939E

THERE IS NO OVERHEAD STREET
 LIGHTING POWER
 FROM POLE 1027935E
 TO POLE 2064332E

APPROVED FOR UTILITY INFORMATION ONLY

UTILITY PLAN
 SCALE: 1" = 50'

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	1	41.8/42.1	20	36

Aghajanian 7-10-15
 REGISTERED CIVIL ENGINEER DATE

7-27-15
 PLANS APPROVAL DATE

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

REGISTERED PROFESSIONAL ENGINEER
HAYKAZ AGHAJANIAN
 No. C53866
 Exp. 12-31-15
 CIVIL
 STATE OF CALIFORNIA

VERTICAL DISTANCE OF CABLES FROM GROUND TO THE POLE ATTACHMENTS

POLE ID	APPROXIMATE LOCATION	(Vzn) (h1)	FIBER OPTIC (SCE) (h2)
GT11427	107+34	20'	30'
(**) 4198206E	108+67	21'	30'
4592083E	110+16	19'-8"	26'
GT11406	111+24	19'-8"	N/R
1027942E	112+55	21'	27'
4592081E	113+85	20'-4"	26'
4216439E	115+18	21'-11"	25'
GT111443	116+49	22'	25'
1027939E	117+80	19'	25'
1027938E	119+07	19'	26'
1027936E	120+57	20'	24'
1027935E	121+72	21'-11"	26'
GT111450	122+69	20'-10"	-
2064331E	123+07	20'-10"	24'

VERTICAL DISTANCE FROM GROUND TO THE MID-SPAN OF CABLES

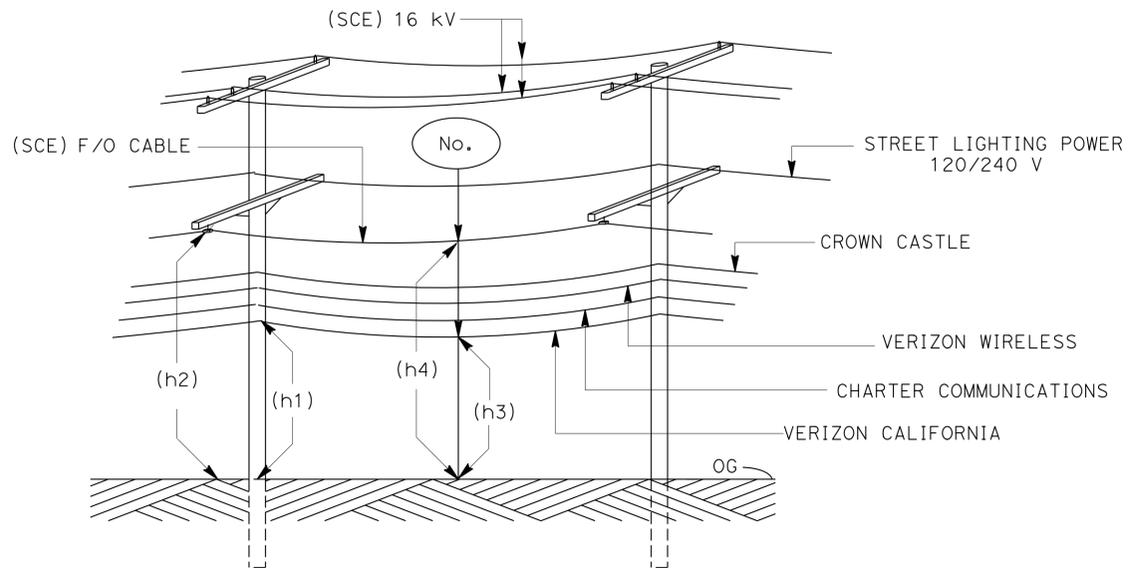
No.	POLE ID	(Vzn) (h3)	FIBER OPTIC (SCE) (h4)
1	GT11427 (**) 4198206E	17'	23'
2	4198206E 4592083E	17'	24'
3	4592083E GT11406	19'-3"	26'
4	GT11406 1027942E	18'-2"	25'
5	1027942E 4592081E	17'-4"	24'
6	4592081E 4216439E	17'-8"	23'
7	4216439E GT111443	16'-11"	24'
8	GT111443 1027939E	17'-10"	24'
9	1027939E 1027938E	17'-9"	21'
10	1027938E 1027936E	13'-11"	21'
11	1027936E 1027935E	17'-5"	23'
12	1027935E GT111450	18'-5"	-
13	GT111450 2064331E	19'-1"	-
14	2064331E 4436963E	18'-6"	24'

(**): THE ID NUMBER OF POLE 4198206E ON THE VERIZON RECORD IS 1027945E.

POSITIVE LOCATION INFORMATION

POTHOLE No.	NORTHING/EASTING	UTILITY COMPANY	UTILITY FACILITY	SURFACE/GROUND ELEVATION (F+)	DEPTH (F+)	AC THICKNESS (F+)	METHOD
1	1837239.748 6379086.950	SOUTHERN CALIFORNIA GAS COMPANY	8 5/8" HP GAS (*)	32.616	6.74	0.90	POTHOLING
2	1837246.382 6379087.625	LA COUNTY WATER WORKS DISTRICT	10" WATER	33.546	2.64	0.90	POTHOLING
3	1837220.063 6379286.134	SOUTHERN CALIFORNIA GAS COMPANY	8 5/8" HP GAS (*)	31.934	4.90	0.90	POTHOLING
4	1837228.952 6379286.138	LA COUNTY WATER WORKS DISTRICT	10" WATER	32.240	2.14	0.90	POTHOLING
5	1837219.744 6379286.107	TELEPHONE VERIZON	2-4" PVC	31.928	2.54	0.90	POTHOLING
6	1837244.067 6380184.806	SOUTHERN CALIFORNIA GAS COMPANY	8 5/8" HP GAS (*)	23.882	3.88	0.50	POTHOLING
7	1837250.435 6380186.053	LA COUNTY WATER WORKS DISTRICT	30" WATER	24.404	5.76	0.90	POTHOLING
8	1837249.280 6380248.099	SOUTHERN CALIFORNIA GAS COMPANY	8 5/8" HP GAS (*)	23.325	3.60	0.50	POTHOLING
9	1837257.853 6380284.306	LA COUNTY WATER WORKS DISTRICT	30" WATER	23.920	5.62	0.90	POTHOLING
10	1837277.990 6380785.436	SOUTHERN CALIFORNIA GAS COMPANY	8 5/8" HP GAS (*)	25.573	3.66	0.90	POTHOLING
11	1837282.867 6380786.758	LA COUNTY WATER WORKS DISTRICT	30" WATER	25.702	6.74	1.00	POTHOLING
12	1837288.527 6380892.943	SOUTHERN CALIFORNIA GAS COMPANY	8 5/8" HP GAS (*)	25.395	3.42	0.50	POTHOLING
13	1837301.953 6380919.004	LA COUNTY WATER WORKS DISTRICT	30" WATER	25.194	4.76	0.80	POTHOLING

(*) 8 5/8" HP (ASBESTOS-COATED) STEEL PIPE GAS LINE, 167 PSIG



EXISTING OH UTILITIES
NO SCALE

APPROVED FOR UTILITY INFORMATION ONLY

UTILITY PLAN
U-3

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	1	41.8/42.1	21	36

Mike Nguyen 7-8-15
 REGISTERED CIVIL ENGINEER DATE
 7-27-15
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
MIKE K. NGUYEN
 No. 67756
 Exp. 6-30-17
 CIVIL
 STATE OF CALIFORNIA

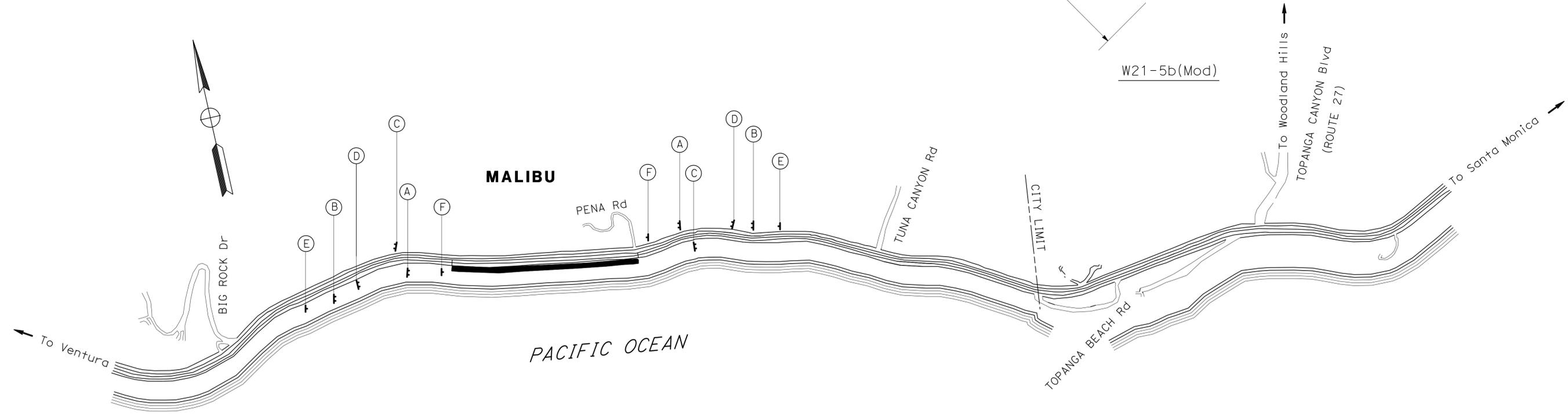
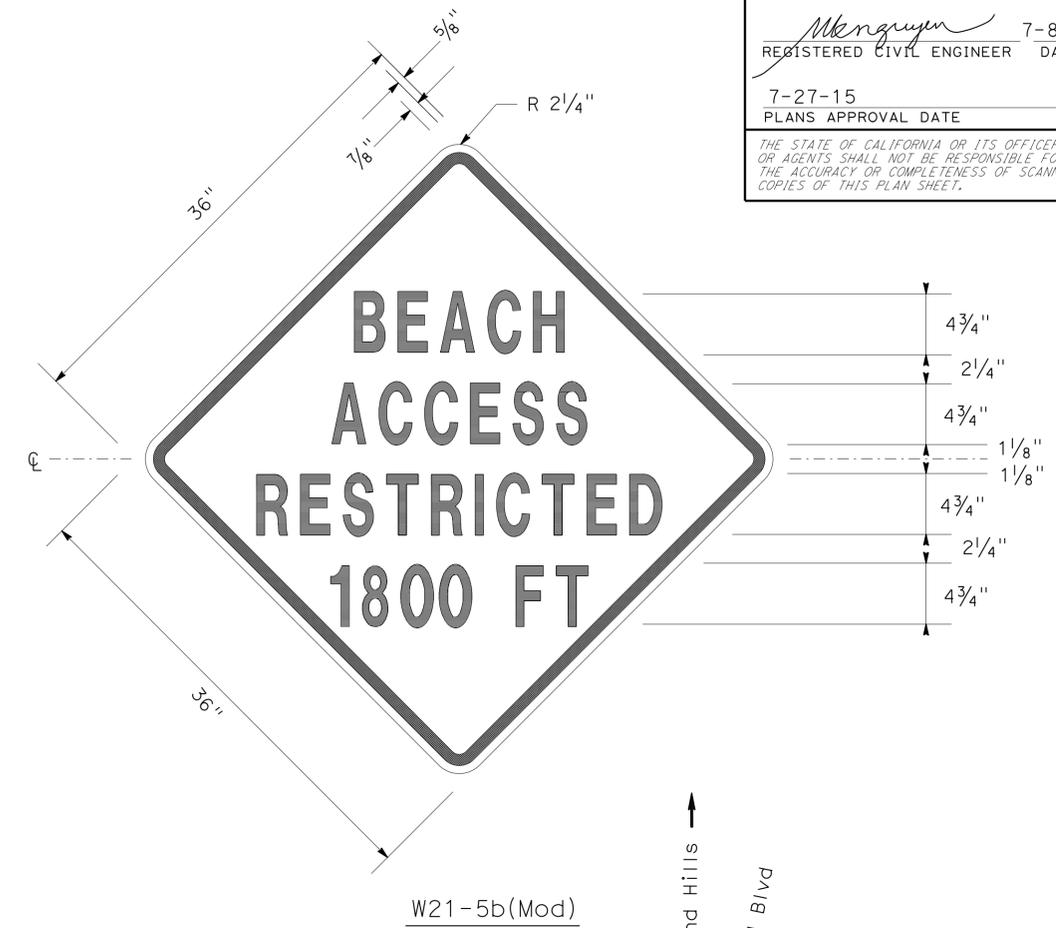
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

- SIGN LOCATIONS SHOWN ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER.
- SIGNS MUST BE COVERED WHEN NOT IN USE.

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN No. (X)	SIGN CODE		PANEL SIZE	SIGN MESSAGE	NUMBER OF POSTS AND SIZE	NUMBER OF SIGNS
	FEDERAL	CALIFORNIA				
A	W20-1		60" x 60"	ROAD WORK AHEAD	2-6" x 6"	2
B		C40(CA)	138" x 60"	TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONES	2-6" x 6"	2
C	G20-2		48" x 24"	END ROAD WORK	2-4" x 4"	2
D	TYPE 2			CONSTRUCTION PROJECT FUNDING IDENTIFICATION	2-6" x 6"	2
E	W13-1P		24" x 24"	25 MPH	1-6" x 6"	2
F	W21-5b(Mod)		36" x 36"	BEACH ACCESS RESTRICTED 1800 FT	1-6" x 6"	2



CONSTRUCTION AREA SIGNS
NO SCALE
CS-1

APPROVED FOR CONSTRUCTION AREA SIGNS WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN
 FUNCTIONAL SUPERVISOR: OC LEE
 CALCULATED/DESIGNED BY: [blank]
 CHECKED BY: [blank]
 REVISOR: MIKE NGUYEN
 DATE: [blank]
 REVISOR: JOSE OCHOA
 DATE: [blank]

LAST REVISION DATE PLOTTED => 28-JUL-2015
 03-16-15 TIME PLOTTED => 09:21

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	1	41.8/42.1	22	36

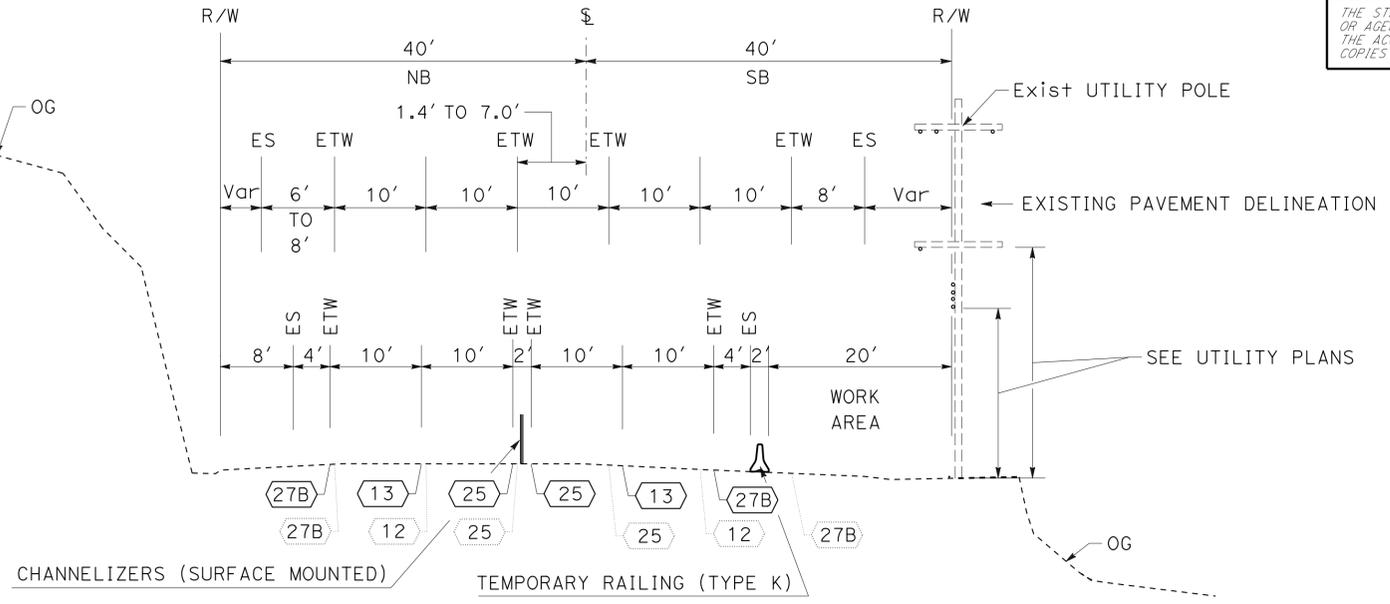
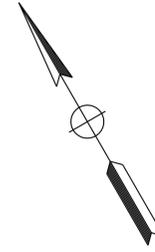
<i>O. Lee</i>	7-8-15
REGISTERED CIVIL ENGINEER	DATE
7-27-15	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
O.C. LEE
No. C28039
Exp. 03/31/16
CIVIL

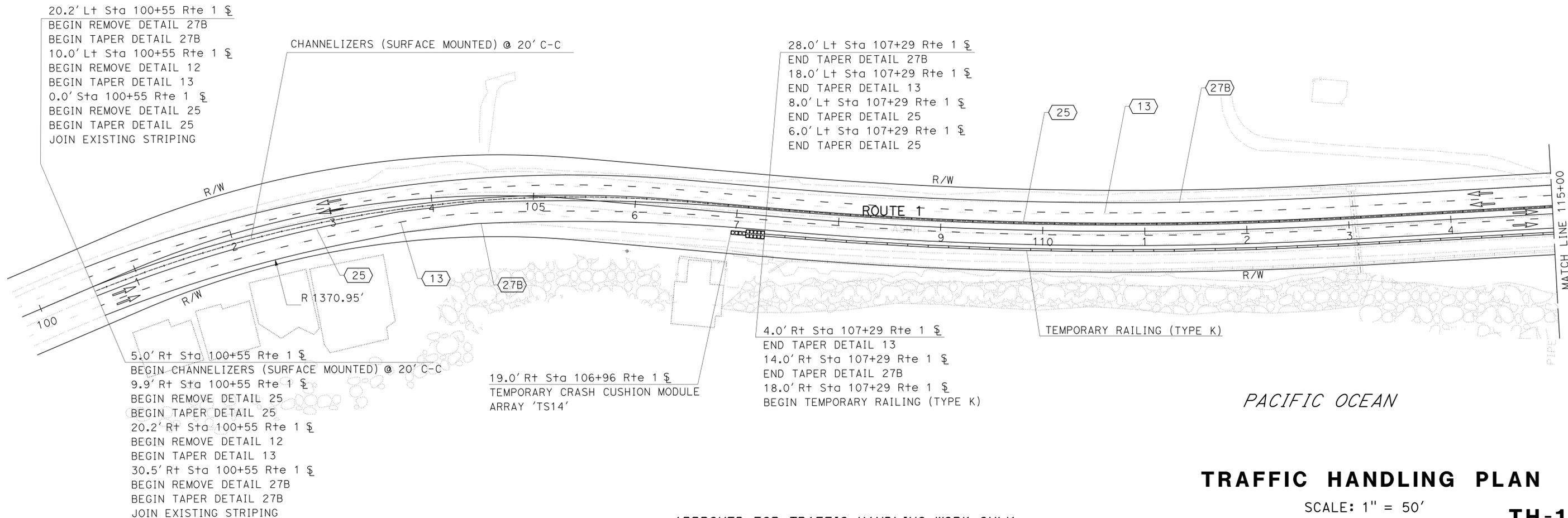
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

1. REMOVE STRIPING AND PAVEMENT MARKERS IN CONFLICT WITH TEMPORARY PAVEMENT DELINEATION.
2. ALL TEMPORARY TRAFFIC STRIPES ARE PAINT (2-COAT)
3. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



TYPICAL SECTION
NO SCALE



TRAFFIC HANDLING PLAN

SCALE: 1" = 50'

TH-1

APPROVED FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN
FUNCTIONAL SUPERVISOR	OC LEE
REVISOR	JOSE OCHOA
DATE	
DESIGNED BY	OC LEE
CHECKED BY	
DESIGNED BY	
CHECKED BY	

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	1	41.8/42.1	23	36

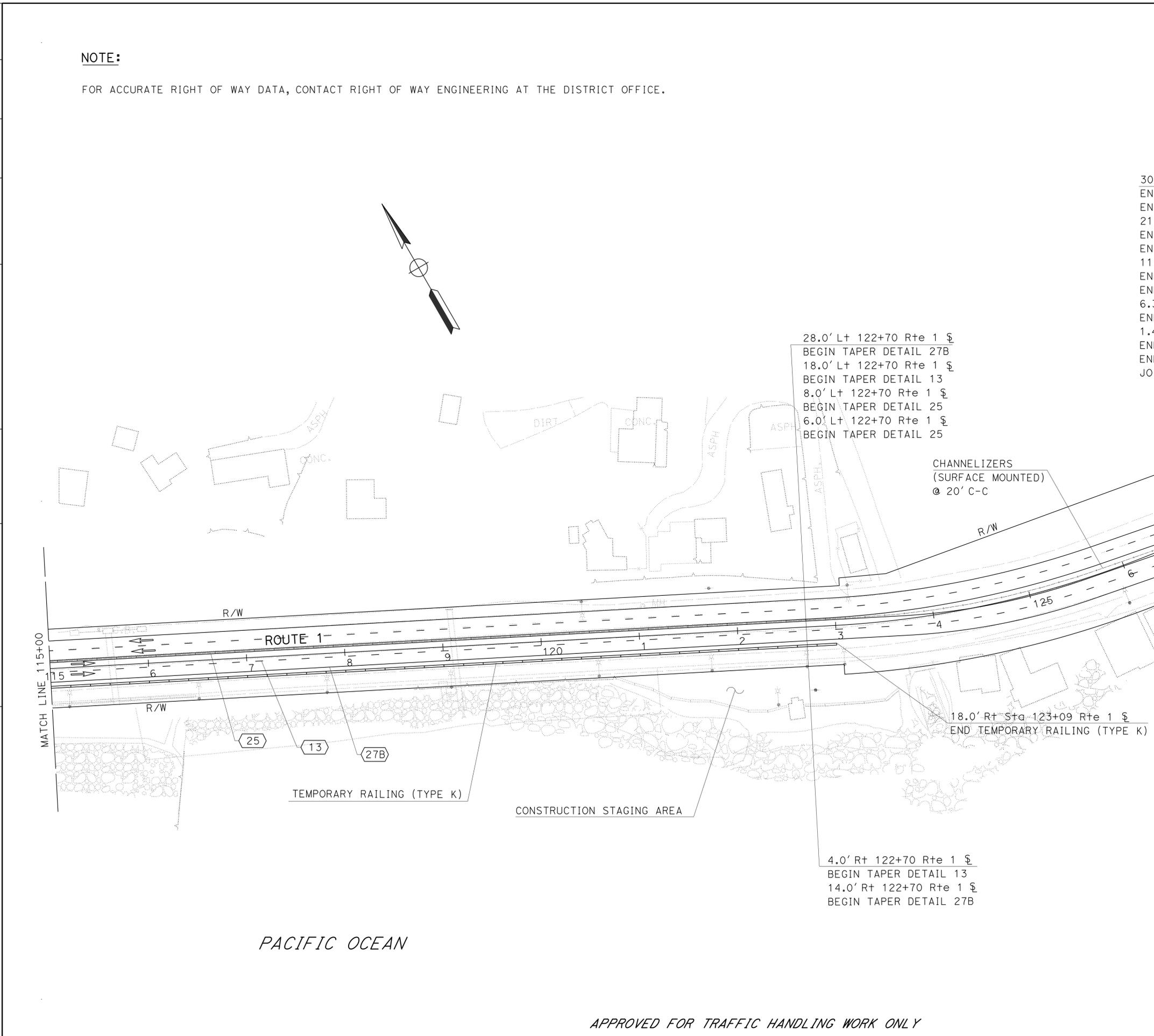
<i>Ochoa</i>	7-10-15
REGISTERED CIVIL ENGINEER	DATE
7-27-15	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
O.C. LEE
No. C28039
Exp. 03/31/16
CIVIL
STATE OF CALIFORNIA

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

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN



30.7' Lt Sta 129+47 Rte 1 §
 END REMOVE DETAIL 27B
 END TAPER DETAIL 27B
 21.3' Lt Sta 129+47 Rte 1 §
 END REMOVE DETAIL 12
 END TAPER DETAIL 13
 11.2' Lt Sta 129+47 Rte 1 §
 END REMOVE DETAIL 25
 END TAPER DETAIL 25
 6.3' Lt Sta 129+47 Rte 1 §
 END CHANNELIZERS (SURFACE MOUNTED) @ 20' C-C
 1.4' Lt Sta 129+47 Rte 1 §
 END REMOVE DETAIL 25
 END TAPER DETAIL 25
 JOIN Exist STRIPING

28.0' Lt 122+70 Rte 1 §
 BEGIN TAPER DETAIL 27B
 18.0' Lt 122+70 Rte 1 §
 BEGIN TAPER DETAIL 13
 8.0' Lt 122+70 Rte 1 §
 BEGIN TAPER DETAIL 25
 6.0' Lt 122+70 Rte 1 §
 BEGIN TAPER DETAIL 25

CHANNELIZERS
 (SURFACE MOUNTED)
 @ 20' C-C

8.9' Rt Sta 129+47 Rte 1 §
 END REMOVE DETAIL 12
 END TAPER DETAIL 13
 19.9' Rt Sta 129+47 Rte 1 §
 END REMOVE DETAIL 27B
 END TAPER DETAIL 27B
 JOIN EXISTING STRIPING

18.0' Rt Sta 123+09 Rte 1 §
 END TEMPORARY RAILING (TYPE K)

4.0' Rt 122+70 Rte 1 §
 BEGIN TAPER DETAIL 13
 14.0' Rt 122+70 Rte 1 §
 BEGIN TAPER DETAIL 27B

PACIFIC OCEAN

TRAFFIC HANDLING PLAN
 SCALE: 1" = 50'
TH-2

APPROVED FOR TRAFFIC HANDLING WORK ONLY

LAST REVISION | DATE PLOTTED => 28-JUL-2015 03-16-15 TIME PLOTTED => 09:21

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	1	41.8/42.1	24	36

Mike Nguyen 7-8-15
 REGISTERED CIVIL ENGINEER DATE
 7-27-15
 PLANS APPROVAL DATE



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

TRAFFIC HANDLING QUANTITIES

SHEET NUMBER	LOCATION	CHANNELIZER (SURFACE MOUNTED)	TEMPORARY RAILING (TYPE K)	TEMPORARY CRASH CUSHION MODULE	REMOVE THERMOPLASTIC TRAFFIC STRIPE	REMOVE PAVEMENT MARKER	Temp TRAFFIC STRIPE (PAINT)		TEMPORARY PAVEMENT MARKER		
							DETAIL 25	DETAIL 27B	DETAIL 13	RETRO-REFLECTIVE	
							4" SOLID (YELLOW)	4" SOLID (WHITE)		TYPE A NON-REFLECTIVE	TYPE G
		EA	LF	EA	LF	EA	LF	EA	EA	EA	
TH-1	100+55 TO 115+00 ROUTE 1 S	75		14	8,670	124	2,890	2,890	241	62	62
TH-1	107+29 TO 115+00 ROUTE 1 S		771								
TH-2	115+00 TO 129+47 ROUTE 1 S	75	809		8,682	125	2,894	2,894	241	62	62
SUBTOTAL		150	1,580	14	17,352	249	5,784	5,784	482	124	124
TOTAL		150	1,580	14	17,352	249	11,568		730		

TRAFFIC HANDLING QUANTITIES
THQ-1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	1	41.8/42.1	26	36

<i>Ochoa</i>	7-10-15
REGISTERED CIVIL ENGINEER	DATE
7-27-15	
PLANS APPROVAL DATE	

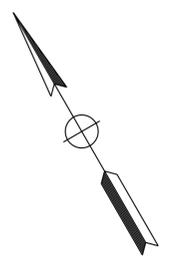
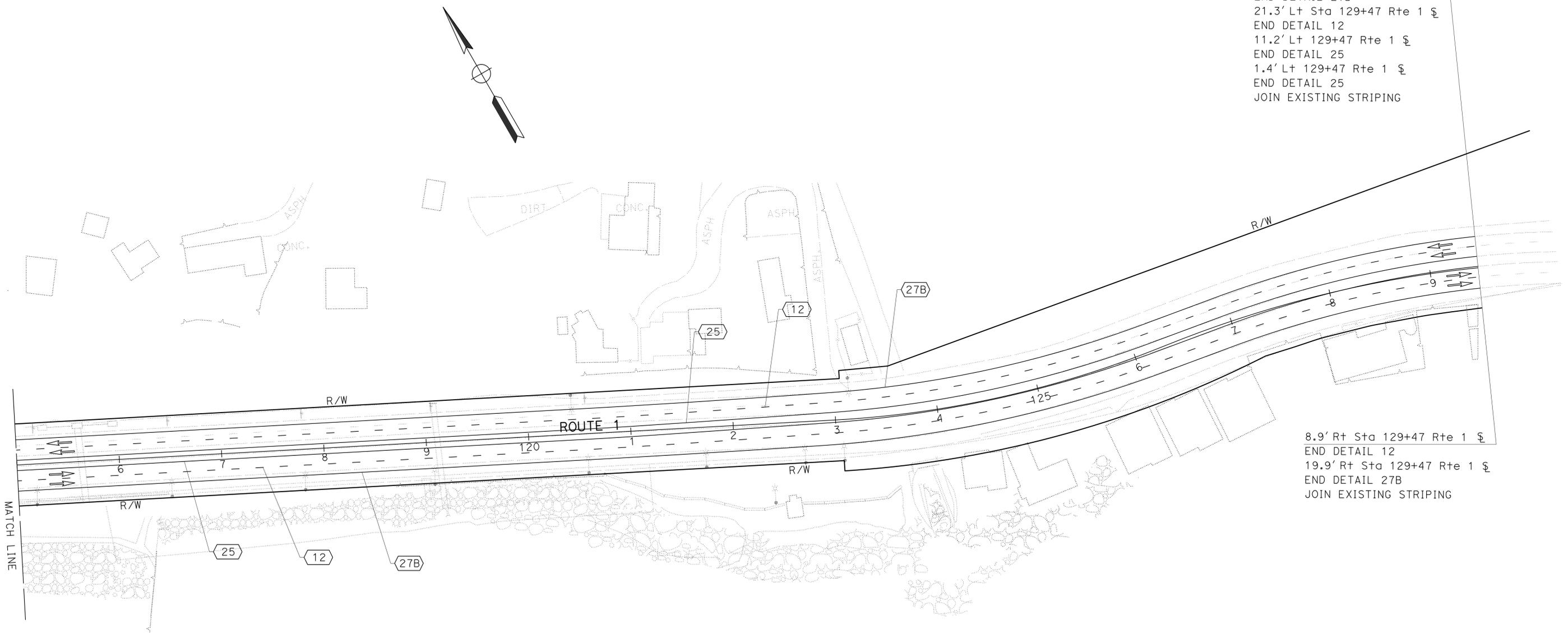
REGISTERED PROFESSIONAL ENGINEER
 O.C. LEE
 No. C28039
 Exp. 03/31/16
 CIVIL
 STATE OF CALIFORNIA

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

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

30.7' Lt Sta 129+47 Rte 1 §
 END DETAIL 27B
 21.3' Lt Sta 129+47 Rte 1 §
 END DETAIL 12
 11.2' Lt 129+47 Rte 1 §
 END DETAIL 25
 1.4' Lt 129+47 Rte 1 §
 END DETAIL 25
 JOIN EXISTING STRIPING

8.9' Rt Sta 129+47 Rte 1 §
 END DETAIL 12
 19.9' Rt Sta 129+47 Rte 1 §
 END DETAIL 27B
 JOIN EXISTING STRIPING



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN
OC LEE	OC LEE
FUNCTIONAL SUPERVISOR	OC LEE
CHECKED BY	O. C. LEE
DESIGNED BY	O. C. LEE
REVISOR	O. C. LEE
DATE	

PAVEMENT DELINEATION
 SCALE: 1" = 50'
PD-2

APPROVED FOR PAVEMENT DELINEATION WORK ONLY

LAST REVISION | DATE PLOTTED => 28-JUL-2015
 03-16-15 | TIME PLOTTED => 09:21

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN

FUNCTIONAL SUPERVISOR
 OC LEE

CALCULATED/DESIGNED BY
 CHECKED BY

BARNABAS F. VORREITER
 MIKE NGUYEN

REVISED BY
 DATE REVISED

REVISIONS

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	1	41.8/42.1	27	36

Mike Nguyen 7-8-15
 REGISTERED CIVIL ENGINEER DATE

7-27-15
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 MIKE K. NGUYEN
 No. 67756
 Exp. 6-30-17
 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.

PAVEMENT DELINEATION AND ROADSIDE SIGN QUANTITIES

LOCATION	THERMOPLASTIC TRAFFIC STRIPE				PAVEMENT MARKER		ROADSIDE SIGN (*) (TWO POST)
	DETAIL 12	DETAIL 25	DETAIL 27B	DETAIL 39	RETRO-REFLECTIVE		
	4" (BROKEN 36-12) (WHITE)	4" SOLID (YELLOW)	4" SOLID (WHITE)	6" SOLID (WHITE)	TYPE G	TYPE H	
	LF	LF	LF	LF	EA	EA	EA
100+55 TO 115+00 ROUTE 1 S	2,890	2,890	2,890	663	62	62	1
115+00 TO 129+47 ROUTE 1 S	2,894	2,894	2,894		62	62	1
SUBTOTAL	5,784	5,784	5,784	663	124	124	2
TOTAL	5,784	11,568		663	248		2

* 48" X 48" "COASTAL ACCESS" SIGN

ACCESSIBLE PARKING PAD

	THERMOPLASTIC PAVEMENT MARKING						ROADSIDE SIGN (ONE POST)
	4" WHITE LINE	4" WHITE DIAGONALS	4" WHITE BORDERS	NO PARKING WHITE (WORDS)	ISA MARKINGS (WHITE)	ISA SYMBOLS (BLUE)	
	SQFT	SQFT	SQFT	SQFT	SQFT	SQFT	EA
SUBTOTAL	6	19	17	2	9	14	1
TOTAL	67						1

PAVEMENT DELINEATION QUANTITIES

PDQ-1

	M	
Maint	MAINTENANCE	
Max	MAXIMUM	
MB	METAL BEAM	
MBB	METAL BEAM BARRIER	
MBGR	METAL BEAM GUARD RAILING	
Med	MEDIAN	
MGS	MIDWEST GUARDRAIL SYSTEM	
MH	MANHOLE	
Min	MINIMUM	
Misc	MISCELLANEOUS	
Misc I & S	MISCELLANEOUS IRON AND STEEL	
Mkr	MARKER	
Mod	MODIFIED, MODIFY	
Mon	MONUMENT	
MP	METAL PLATE	
MPGR	METAL PLATE GUARD RAILING	
MR	MOVEMENT RATING	
MSE	MECHANICALLY STABILIZED EMBANKMENT	
Mt	MOUNTAIN, MOUNT	
MtI	MATERIAL	
MVP	MAINTENANCE VEHICLE PULLOUT	
	N	
N	NORTH	
NB	NORTHBOUND	
No.	NUMBER (MUST HAVE PERIOD)	
Nos.	NUMBERS (MUST HAVE PERIOD)	
NPS	NOMINAL PIPE SIZE	
NS	NEAR SIDE	
NSP	NEW STANDARD PLAN	
NTS	NOT TO SCALE	
	O	
Obir	OBLITERATE	
OC	OVERCROSSING	
OD	OUTSIDE DIAMETER	
OF	OUTSIDE FACE	
OG	ORIGINAL GROUND	
OGAC	OPEN GRADED ASPHALT CONCRETE	
OGFC	OPEN GRADED FRICTION COURSE	
OH	OVERHEAD	
OHWM	ORDINARY HIGH WATER MARK	
O-O	OUT TO OUT	
Opp	OPPOSITE	
OSD	OVERSIDE DRAIN	
	P	
p	PAGE	
PAP	PERFORATED ALUMINUM PIPE	
PB	PULL BOX	
PC	POINT OF CURVATURE, PRECAST	
PCC	POINT OF COMPOUND CURVE, PORTLAND CEMENT CONCRETE	
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN	
PCP	PERFORATED CONCRETE PIPE, PRESTRESSED CONCRETE PIPE	
PCVC	POINT OF COMPOUND VERTICAL CURVE	
PEC	PERMIT TO ENTER AND CONSTRUCT	
Ped	PEDESTRIAN	
Ped OC	PEDESTRIAN OVERCROSSING	
Ped UC	PEDESTRIAN UNDERCROSSING	
Perm MtI	PERMEABLE MATERIAL	

	P continued	
PG	PROFILE GRADE	
PI	POINT OF INTERSECTION	
PJP	PARTIAL JOINT PENETRATION	
Pkwy	PARKWAY	
PL, PL	PLATE	
P/L	PROPERTY LINE	
PM	POST MILE, TIME FROM NOON TO MIDNIGHT	
PN	PAVING NOTCH	
POC	POINT OF HORIZONTAL CURVE	
POT	POINT OF TANGENT	
POVC	POINT OF VERTICAL CURVE	
PP	PIPE PILE, PLASTIC PIPE, POWER POLE	
PPL	PREFORMED PERMEABLE LINER	
PPP	PERFORATED PLASTIC PIPE	
PRC	POINT OF REVERSE CURVE	
PRF	PAVEMENT REINFORCING FABRIC	
PRVC	POINT OF REVERSE VERTICAL CURVE	
PS&E	PLANS, SPECIFICATIONS AND ESTIMATES	
PS, P/S	PRESTRESSED	
PSP	PERFORATED STEEL PIPE	
PT	POINT OF TANGENCY	
PVC	POLYVINYL CHLORIDE	
Pvmt	PAVEMENT	
	Q	
Qty	QUANTITY	
	R	
R	RADIUS	
R & D	REMOVE AND DISPOSE	
R & S	REMOVE AND SALVAGE	
R/C	RATE OF CHANGE	
RCA	REINFORCED CONCRETE ARCH	
RCB	REINFORCED CONCRETE BOX	
RCP	REINFORCED CONCRETE PIPE	
RCPA	REINFORCED CONCRETE PIPE ARCH	
Rd	ROAD	
Reinf	REINFORCED, REINFORCEMENT, REINFORCING	
Rel	RELOCATE	
Repl	REPLACEMENT	
Ret	RETAINING	
Rev	REVISED, REVISION	
Rdwy	ROADWAY	
RHMA	RUBBERIZED HOT MIX ASPHALT	
Riv	RIVER	
RM	ROAD-MIXED	
RP	RADIUS POINT, REFERENCE POINT	
RR	RAILROAD	
RSP	ROCK SLOPE PROTECTION, REVISED STANDARD PLAN	
Rt	RIGHT	
Rte	ROUTE	
RW	REDWOOD, RETAINING WALL	
R/W	RIGHT OF WAY	
Rwy	RAILWAY	

	S	
S	SOUTH, SUPPLEMENT	
SAE	STRUCTURE APPROACH EMBANKMENT	
Salv	SALVAGE	
SAPP	STRUCTURAL ALUMINUM PLATE PIPE	
SB	SOUTHBOUND	
SC	SAND CUSHION	
SCSP	SLOTTED CORRUGATED STEEL PIPE	
SD	STORM DRAIN	
Sec	SECOND, SECTION	
Sep	SEPARATION	
SG	SUBGRADE	
Shld	SHOULDER	
Sht	SHEET	
Sim	SIMILAR	
SL	STATION LINE	
SM	SELECTED MATERIAL	
Spec	SPECIAL, SPECIFICATIONS	
SPP	SLOTTED PLASTIC PIPE	
SS	SLOPE STAKE	
SSBM	STRAP AND SADDLE BRACKET METHOD	
SSD	STRUCTURAL SECTION DRAIN	
SSPA	STRUCTURAL STEEL PLATE ARCH	
SSPP	STRUCTURAL STEEL PLATE PIPE	
SSPPA	STRUCTURAL STEEL PLATE PIPE ARCH	
SSRP	STEEL SPIRAL RIB PIPE	
St	STREET	
Sta	STATION	
STBB	SINGLE THRIE BEAM BARRIER	
Std	STANDARD	
Str	STRUCTURE	
Surf	SURFACING	
SW	SIDEWALK, SOUND WALL	
Swr	SEWER	
Sym	SYMMETRICAL	
S4S	SURFACE 4 SIDES	
	T	
T	SEMI-TANGENT	
Tan	TANGENT	
TBB	THRIE BEAM BARRIER	
Tbr	TIMBER	
TC	TOP OF CURB	
TCB	TRAFFIC CONTROL BOX	
TCE	TEMPORARY CONSTRUCTION EASEMENT	
TeI	TELEPHONE	
Temp	TEMPORARY	
TG	TOP OF GRADE	
Tot	TOTAL	
TP	TELEPHONE POLE	
TPB	TREATED PERMEABLE BASE	
TPM	TREATED PERMEABLE MATERIAL	
Trans	TRANSITION	

	T continued	
TS	TRANSVERSE, TRAFFIC SIGNAL, TUBULAR STEEL	
Typ	TYPICAL	
	U	
UC	UNDERCROSSING	
UD	UNDERDRAIN	
UG	UNDERGROUND	
UON	UNLESS OTHERWISE NOTED	
UP	UNDERPASS	
	V	
V	VALVE, DESIGN SPEED	
Var	VARIABLE, VARIES	
VC	VERTICAL CURVE	
VCP	VITRIFIED CLAY PIPE	
Vert	VERTICAL	
Via	VIADUCT	
Vol	VOLUME	
	W	
W	WEST, WIDTH	
WB	WESTBOUND	
WH	WEEP HOLE	
WM	WIRE MESH	
WS	WATER SURFACE	
WSP	WELDED STEEL PIPE	
Wt	WEIGHT	
WV	WATER VALVE	
WW	WINGWALL	
WWL	WINGWALL LAYOUT LINE	
	X	
X Sec	CROSS SECTION	
Xing	CROSSING	
	Y	
Yr	YEAR	
Yrs	YEARS	

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	1	41.8/42.1	29	36

Grace M. Tsushima
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

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

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

TO ACCOMPANY PLANS DATED 7-27-15

UNIT OF MEASUREMENT SYMBOLS:

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

TABLE A

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

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

TABLE B

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

* For use on a sign panel only

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**ABBREVIATIONS
(SHEET 2 OF 2)**

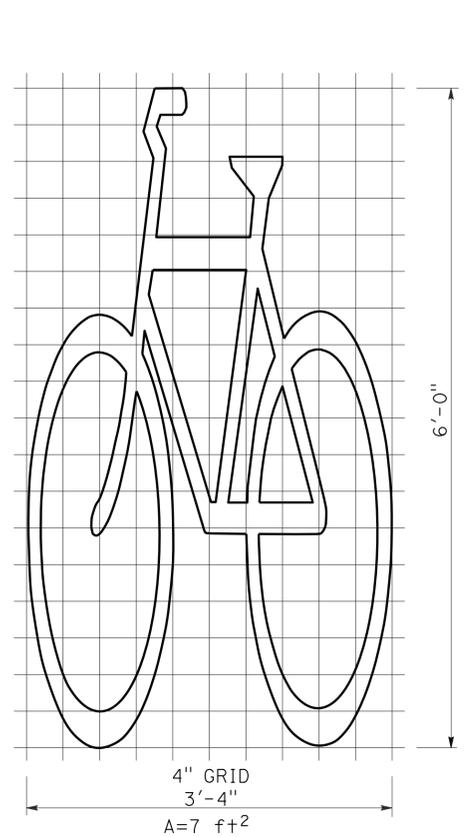
NO SCALE

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

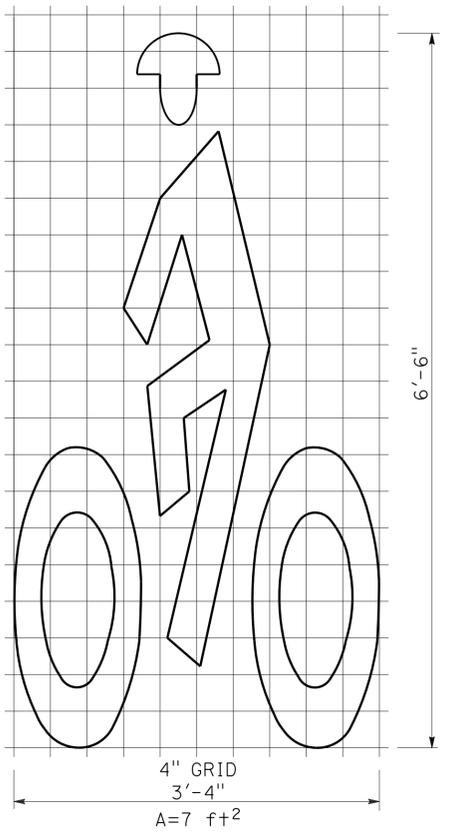
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	1	41.8/42.1	30	36

Roberta L. McLaughlin
 REGISTERED CIVIL ENGINEER
 October 19, 2012
 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.

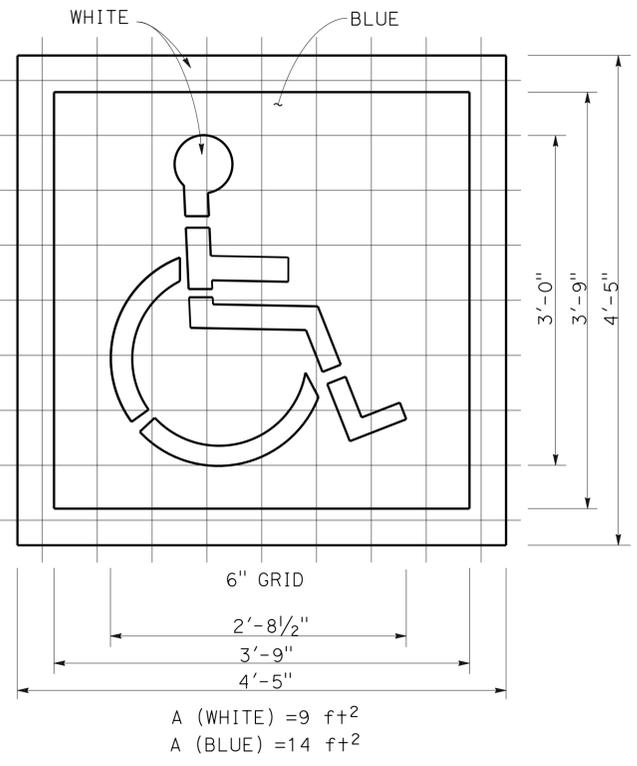
NOTE: TO ACCOMPANY PLANS DATED 7-27-15
 Minor variations in dimensions may be accepted by the Engineer.



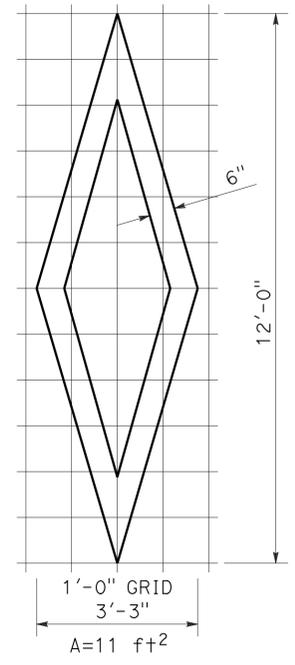
**BIKE LANE SYMBOL
WITHOUT PERSON**



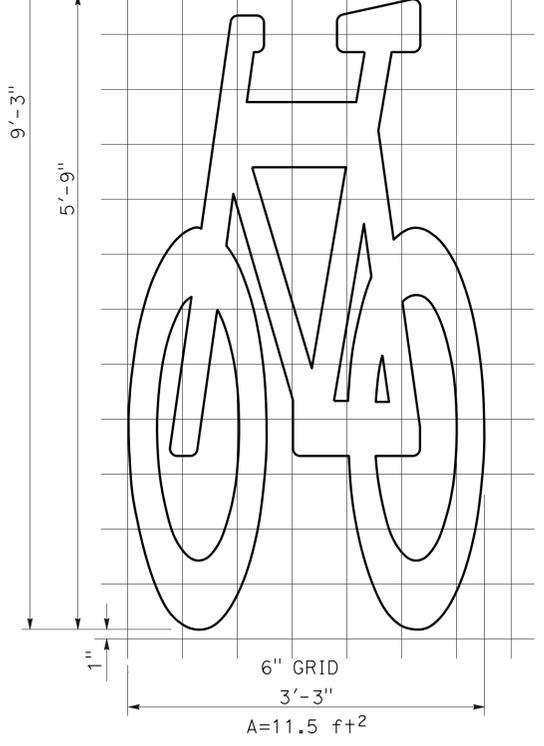
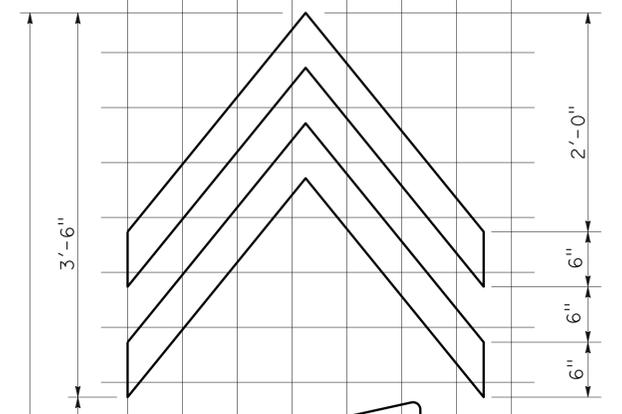
**BIKE LANE SYMBOL
WITH PERSON**



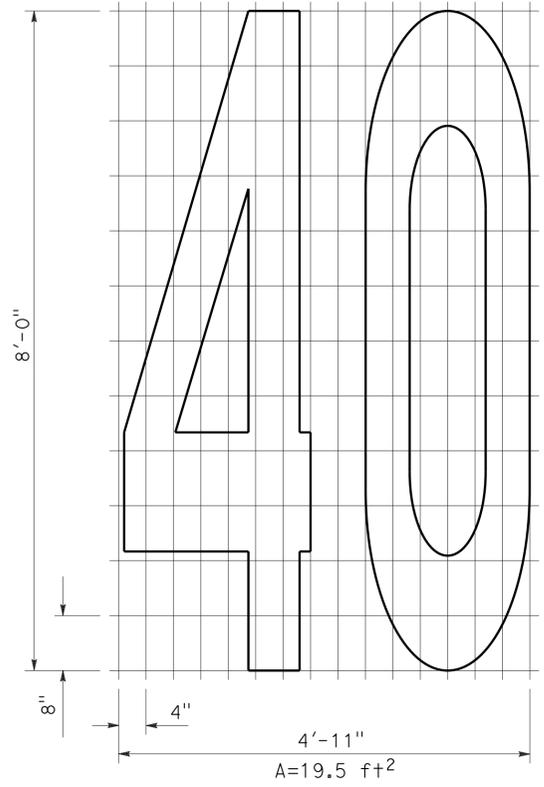
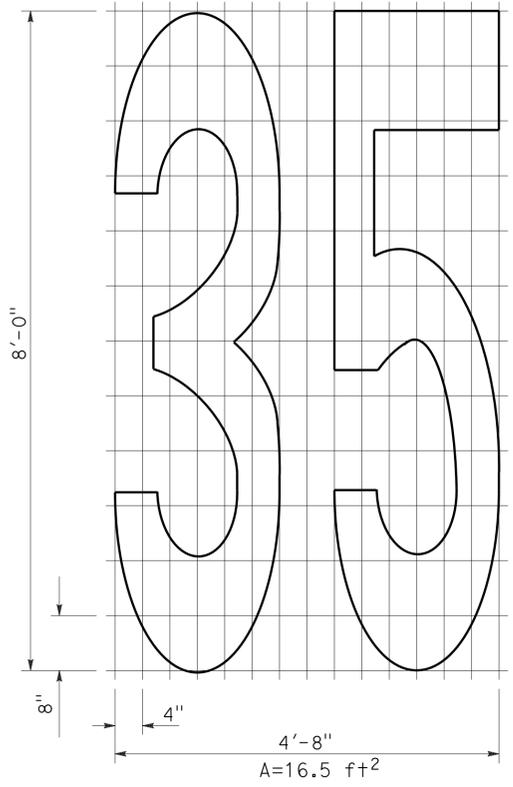
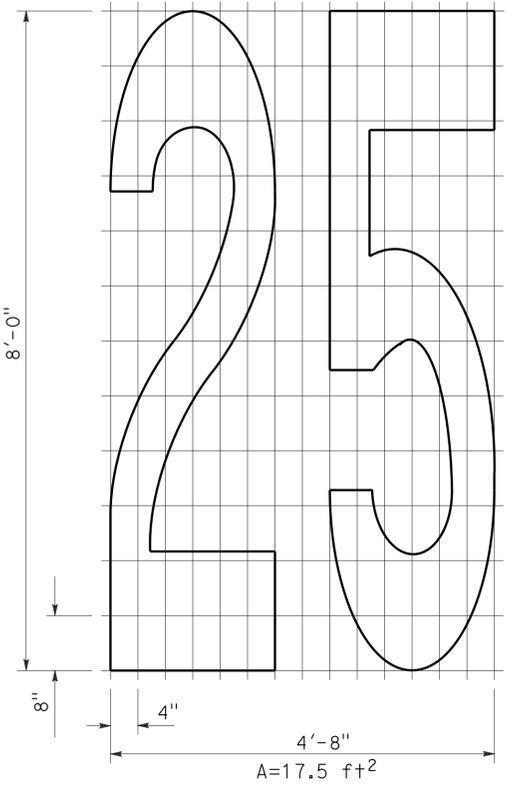
**INTERNATIONAL SYMBOL
OF ACCESSIBILITY (ISA) MARKING**



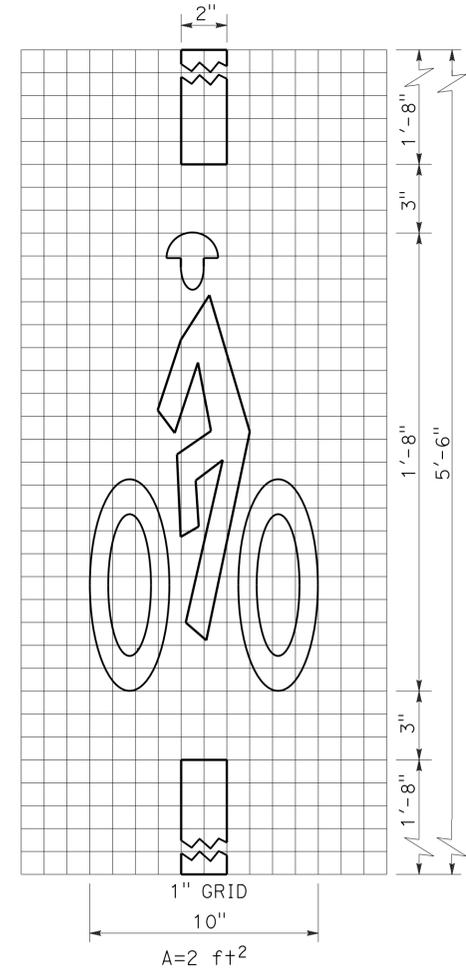
DIAMOND SYMBOL



SHARED ROADWAY BICYCLE MARKING



NUMERALS

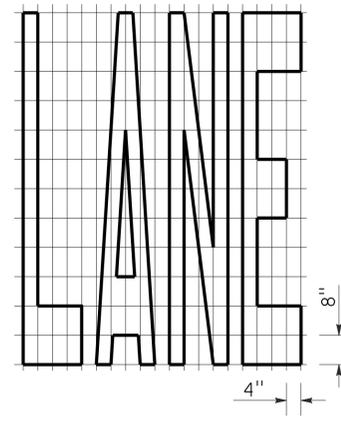


**BICYCLE LOOP
DETECTOR SYMBOL**

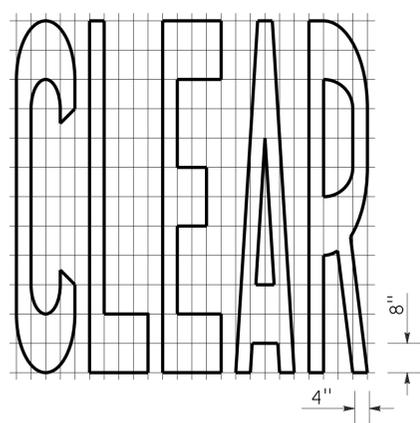
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**PAVEMENT MARKINGS
 SYMBOLS AND NUMERALS**
 NO SCALE
 RSP A24C DATED OCTOBER 19, 2012 SUPERSEDES STANDARD PLAN A24C
 DATED MAY 20, 2011 - PAGE 15 OF THE STANDARD PLANS BOOK DATED 2010.

2010 REVISED STANDARD PLAN RSP A24C

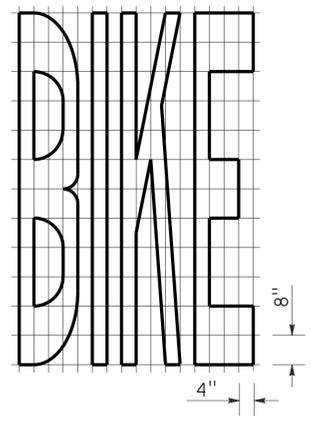
TO ACCOMPANY PLANS DATED 7-27-15



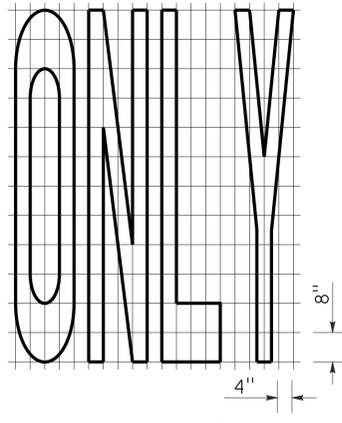
A=24 ft²



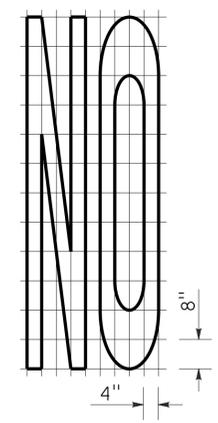
A=27 ft²



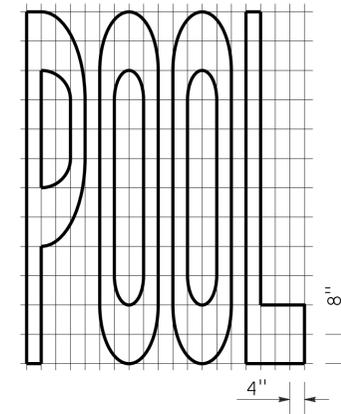
A=21 ft²



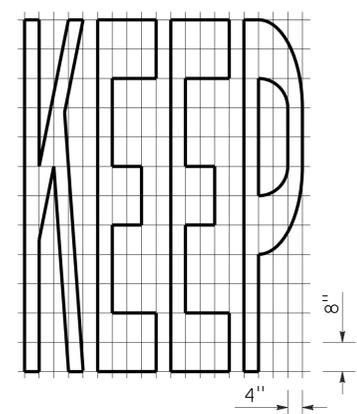
A=22 ft²



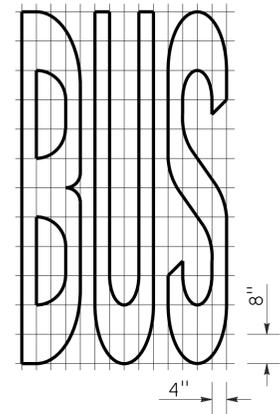
A=14 ft²



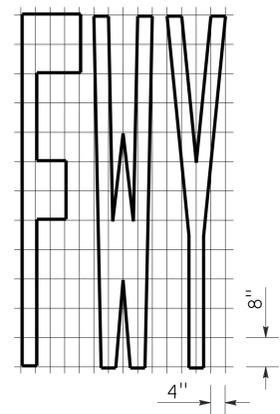
A=23 ft²



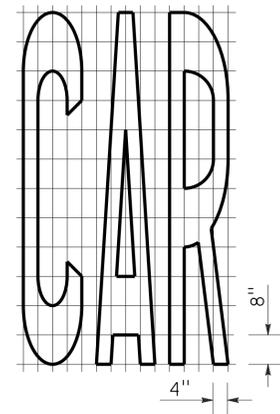
A=24 ft²



A=20 ft²

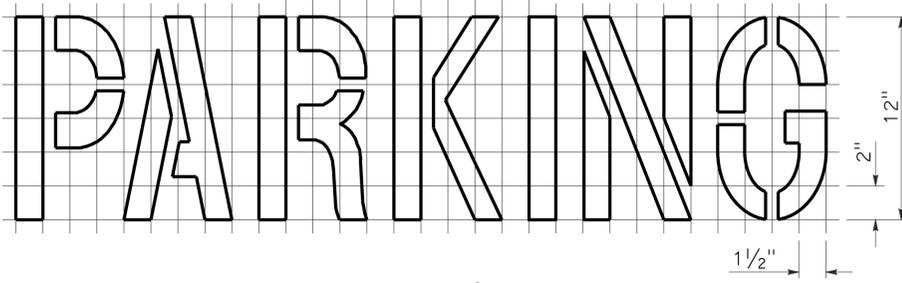
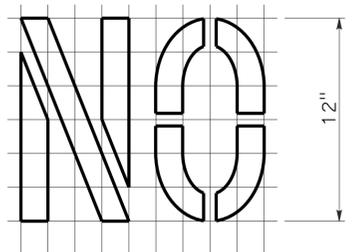


A=16 ft²

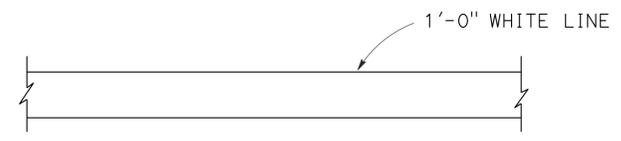


A=17 ft²

WORD MARKINGS			
ITEM	ft ²	ITEM	ft ²
LANE	24	NO	14
POOL	23	BIKE	21
CAR	17	BUS	20
CLEAR	27	ONLY	22
KEEP	24	FWY	16



A=2 ft²
See Notes 6 and 7



LIMIT LINE (STOP LINE)



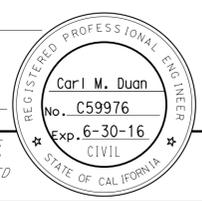
DIRECTION OF TRAVEL
YIELD LINE

NOTES:

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**PAVEMENT MARKINGS
WORDS, LIMIT AND YIELD LINES**
NO SCALE

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

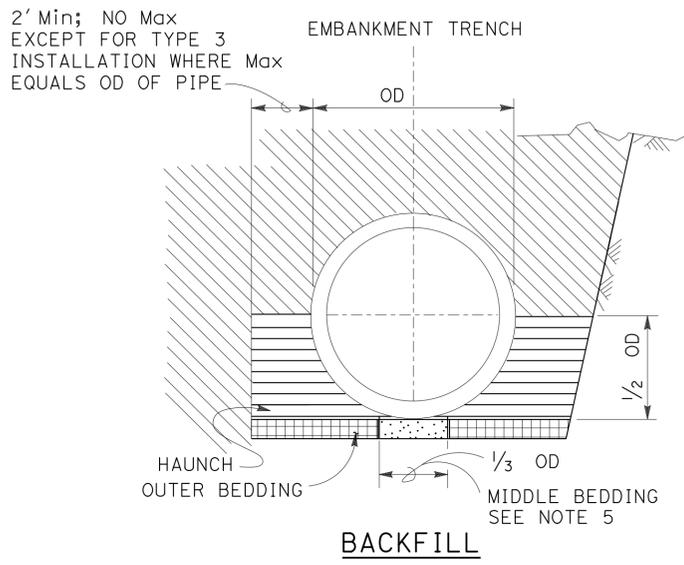


TO ACCOMPANY PLANS DATED 7-27-15

DESIGN NOTES:

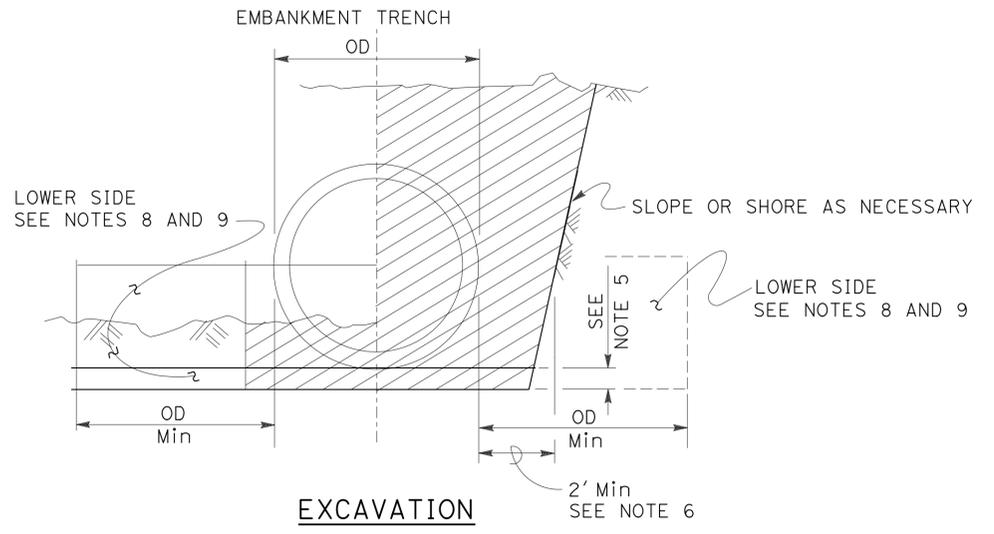
Design: AASHTO LRFD Bridge Design Specifications, 4th edition with California Amendments. ACPA DESIGN DATA 1, October 2007. INDIRECT DESIGN METHOD

Soil: w Fe = 162 pcf Installation Type 1
 w Fe = 168 pcf Installation Types 2 & 3
 w = Unit weight of soil (pcf)
 Fe = Soil-structure interaction factor



LEGEND:

	ROADWAY EMBANKMENT
	STRUCTURE BACKFILL (CULVERT) FOR HAUNCH SEE NOTE 6
	STRUCTURE BACKFILL (CULVERT) FOR OUTER BEDDING SEE NOTE 6
	LOOSE BACKFILL
	STRUCTURE EXCAVATION (CULVERT)



INSTALLATION TYPE 1:

The haunch and outer bedding shall be compacted to a minimum 90 percent relative compaction. In addition, the minimum sand equivalent in these areas shall be 30 and the maximum percentage passing the No. 200 sieve size shall be 12.

INSTALLATION TYPE 2:

The haunch and outer bedding shall be compacted to a minimum 90 percent relative compaction. In addition, the minimum sand equivalent in these areas shall be 25.

INSTALLATION TYPE 3:

The haunch and outer bedding shall be compacted to a minimum 85 percent relative compaction. 90 percent relative compaction will be required where the fill over the pipe is less than 4'-0" or 1/2 OD. In addition, the minimum sand equivalent in these areas shall be 25 and the material shall not contain rocks, broken concrete, or other solid material exceeding 3" in greatest dimension.

INSTALLATION TYPE 1

MINIMUM CLASS AND D-LOAD	COVER	
	60" Dia AND SMALLER	OVER 60" Dia TO 120" Dia Max
CLASS II 1000D	14.9'	12.9'
CLASS III 1350D	15.0' - 21.9'	13.0' - 18.9'
CLASS III SPECIAL 1700D	22.0' - 27.9'	19.0' - 24.9'
CLASS IV 2000D	28.0' - 32.9'	25.0' - 29.9'
CLASS IV SPECIAL 2500D	33.0' - 41.9'	30.0' - 38.9'
CLASS V 3000D	42.0' - 49.9'	39.0' - 46.9'
CLASS V SPECIAL 3600D	50.0' - 60.0'	47.0' - 58.0'

INSTALLATION TYPE 2

MINIMUM CLASS AND D-LOAD	COVER	
	60" Dia AND SMALLER	OVER 60" Dia TO 120" Dia Max
CLASS II 1000D	11.9'	9.9'
CLASS III 1350D	12.0' - 15.9'	10.0' - 14.9'
CLASS III SPECIAL 1700D	16.0' - 20.9'	15.0' - 19.9'
CLASS IV 2000D	21.0' - 24.9'	20.0' - 23.9'
CLASS IV SPECIAL 2500D	25.0' - 31.9'	24.0' - 30.9'
CLASS V 3000D	32.0' - 37.9'	31.0' - 37.9'
CLASS V SPECIAL 3600D	38.0' - 46.0'	38.0' - 46.0'

INSTALLATION TYPE 3

MINIMUM CLASS AND D-LOAD	COVER	
	60" Dia AND SMALLER	OVER 60" Dia TO 120" Dia Max
CLASS II 1000D	8.9'	5.9'
CLASS III 1350D	9.0' - 11.9'	6.0' - 10.9'
CLASS III SPECIAL 1700D	12.0' - 15.9'	11.0' - 13.9'
CLASS IV 2000D	16.0' - 18.9'	14.0' - 17.9'
CLASS IV SPECIAL 2500D	19.0' - 24.9'	18.0' - 22.9'
CLASS V 3000D	25.0' - 29.9'	23.0' - 28.9'
CLASS V SPECIAL 3600D	30.0' - 36.0'	29.0' - 35.0'

NOTES:

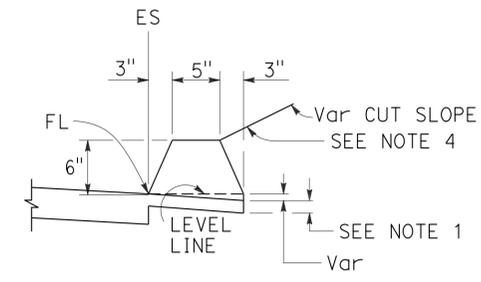
- Unless otherwise shown on the plans or specified in the special provision, the Contractor shall have the option of selecting the class of RCP and the type of installation to be used, provided the height of cover does not exceed the value shown for the RCP selected.
 Example: 24" RCP culvert with maximum cover of 24'-0" the options are:
 a) Class III Special or stronger with Installation Type 1.
 b) Class IV or stronger with Installation Type 2.
 c) Class V Special or stronger with Installation Type 3.
 Cover is defined as the maximum vertical distance from top of the pipe to finished grade within the length of any given culvert.
- The class of RCP and Installation Type selected shall be the same throughout the length of any given culvert.
- The "length of any culvert" is defined as the culvert between:
 a) Successive drainage structure (inlets, junction boxes, headwalls, etc.).
 b) A drainage structure and the inlet or outlet end of the culvert.
 c) The inlet and outlet end of the culvert when there are no intervening drainage structures.
- Oval and arch shaped RCP shall not be used.
- Bedding depth: 1/25 OD Min, not less than 3".
- Slurry cement backfill may be substituted for backfill in the outer bedding and haunch areas. If slurry is used, the outer and middle beddings shall be omitted. Prior to installation, the soil under the middle 1/3 of the outside diameter of the pipe shall be softened by scarifying or other means to a minimum depth of 1/25 OD, but not less than 3". Where slurry cement backfill is used, clear distance to trench wall may be reduced as set forth in the Standard Specifications.
- Backfill shall be placed full width of excavation except where dimensions are shown for backfill width or thickness. Dimensions shown are minimum.
- Lower side shall be suitable material as determined by the Engineer. Otherwise it shall be considered unsuitable as set forth in of the Standard Specifications. See Note 9.
- Where the pipe is placed in a trench, if the trench walls are sloped at 5 vertical to 1 horizontal or steeper for at least 90 percent of the trench height or up to not less than 12" from the grading plane, the firmness of the soil in the lower side need not be considered.
- Non-reinforced precast concrete pipe sizes 3'-0" or smaller may be placed under installation Types 1, 2 or 3.

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**EXCAVATION AND BACKFILL
 CONCRETE PIPE CULVERTS
 INDIRECT DESIGN METHOD**
 NO SCALE

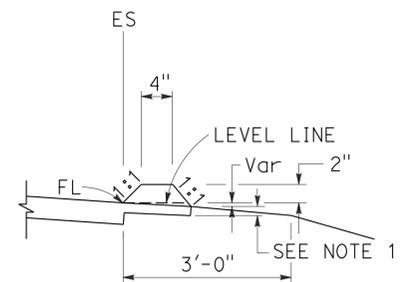
RSP A62DA DATED JULY 18, 2014 SUPERSEDES STANDARD PLAN A62DA DATED MAY 20, 2011 - PAGE 24 OF THE STANDARD PLANS BOOK DATED 2010.

2010 REVISED STANDARD PLAN RSP A62DA

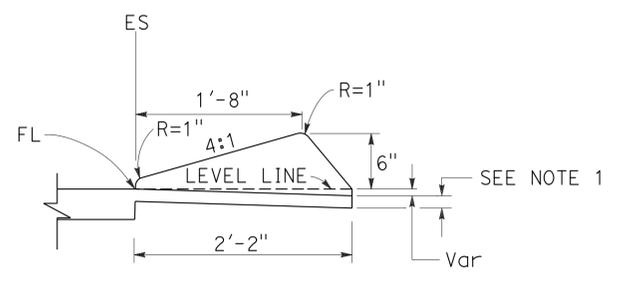
TO ACCOMPANY PLANS DATED 7-27-15



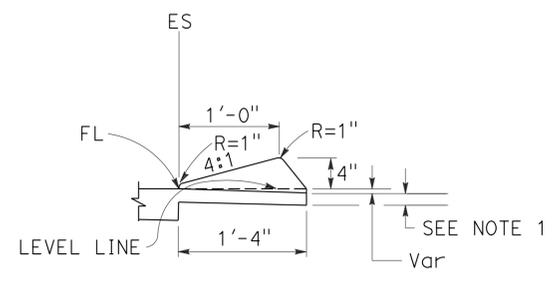
TYPE A
See Note 3



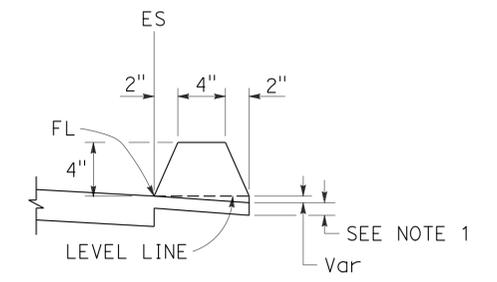
TYPE C



TYPE D

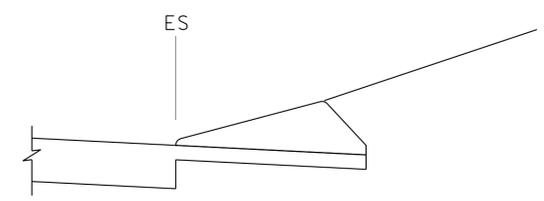


TYPE E

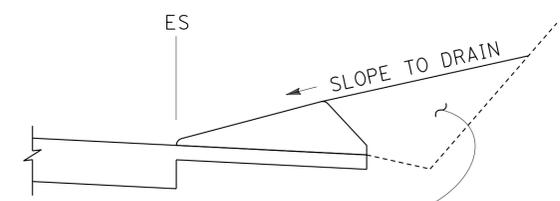


TYPE F
See Note 5

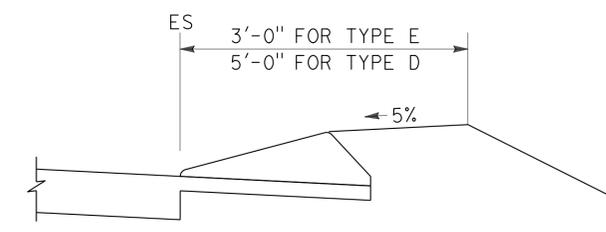
DIKES



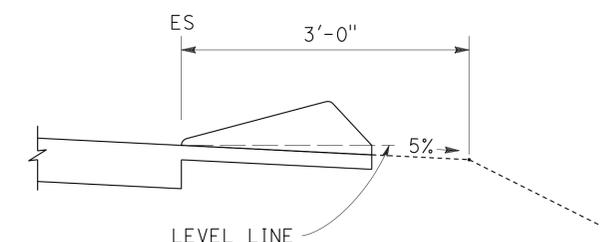
CASE C-1
Cut Slope



CASE C-2
Cut Slope



CASE F



CASE R
See Note 2

TYPE D AND E BACKFILL DETAILS

NOTES:

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

DIKE QUANTITIES

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

Quantities based on 5% cross slope.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

HOT MIX ASPHALT DIKES

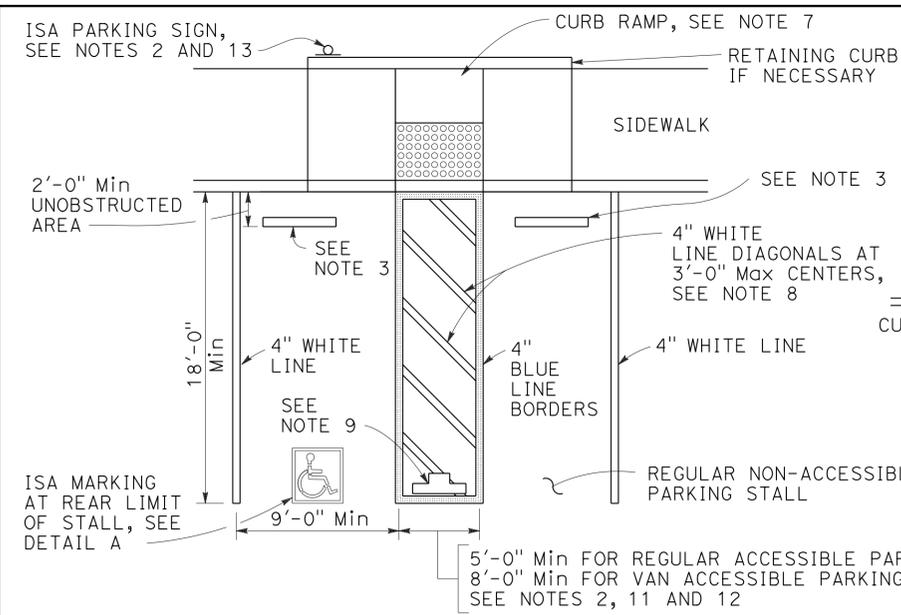
NO SCALE

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

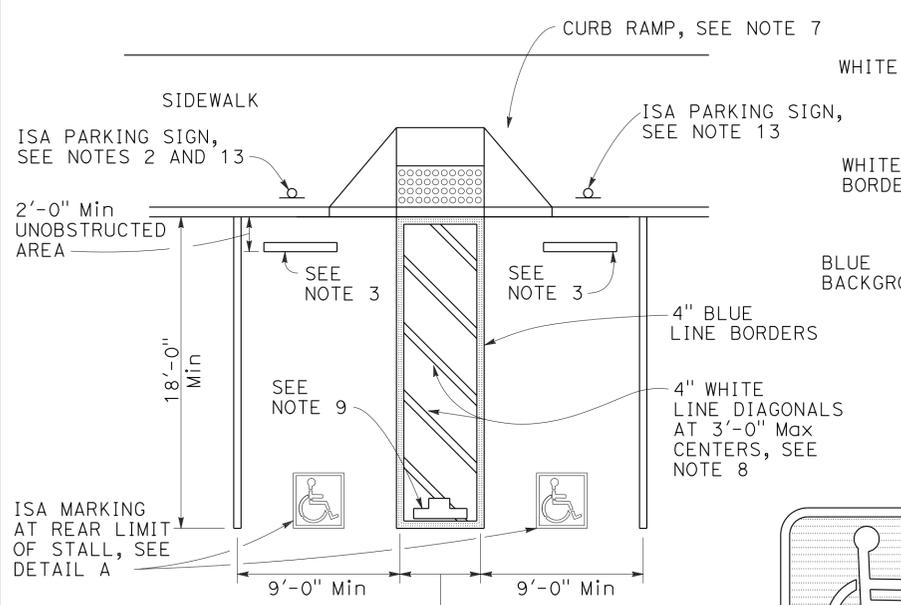
REVISED STANDARD PLAN RSP A87B

2010 REVISED STANDARD PLAN RSP A87B

TO ACCOMPANY PLANS DATED 7-27-15



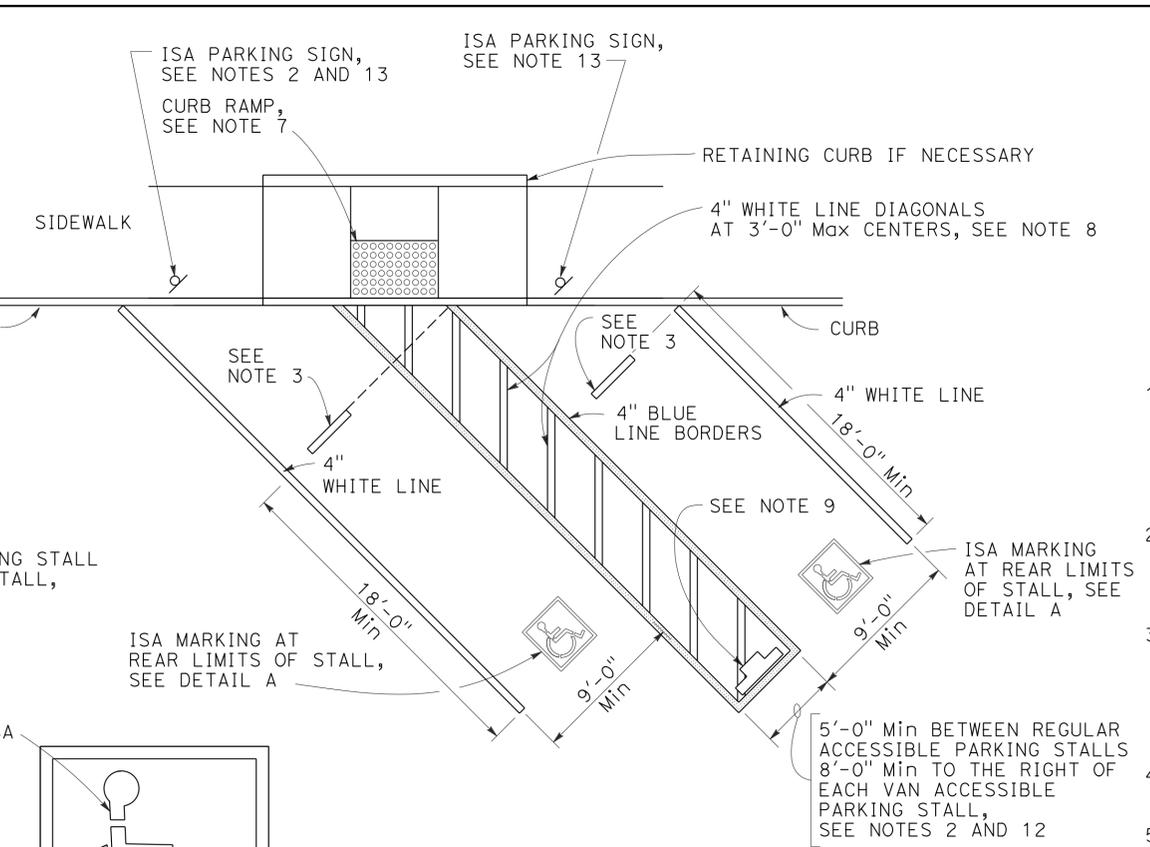
SINGLE PARKING STALL



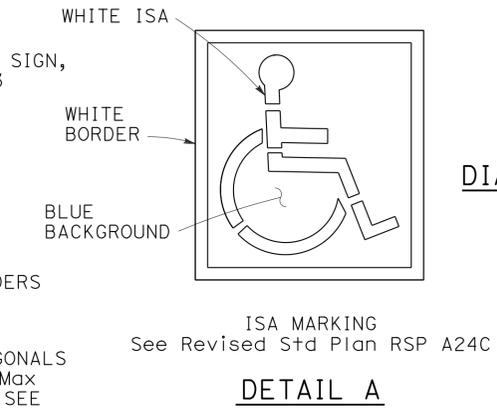
DOUBLE PARKING STALL

TABLE A

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



DIAGONAL DOUBLE PARKING STALLS



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



OFF-STREET PARKING SIGNS
(Parking lot or garage)
See Note 6

NOTES:

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

LEGEND

ISA = International Symbol of Accessibility

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ACCESSIBLE PARKING OFF-STREET
NO SCALE

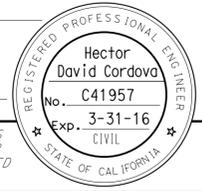
RSP A90A DATED JULY 3, 2015 SUPERSEDES RSP A90A DATED JULY 19, 2013 AND STANDARD PLAN A90A DATED MAY 20, 2011 - PAGE 123 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A90A

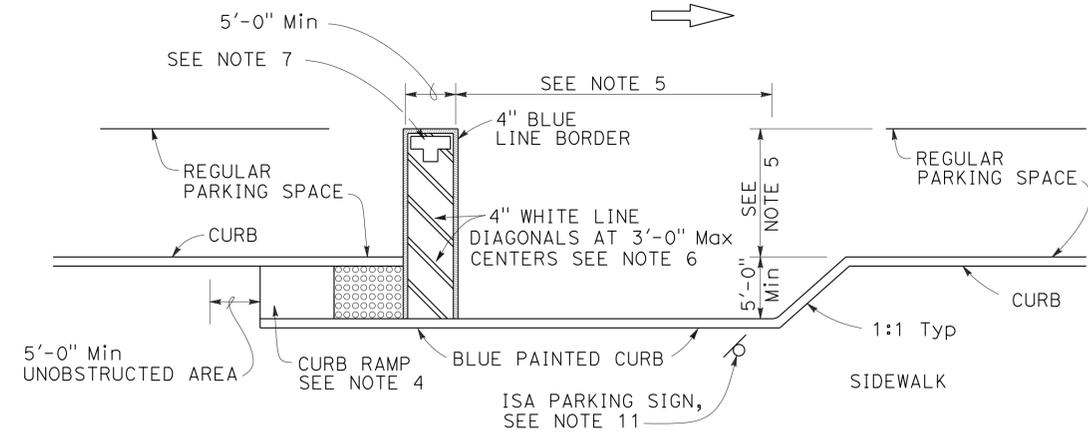
2010 REVISED STANDARD PLAN RSP A90A

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	1	41.8/42.1	35	36

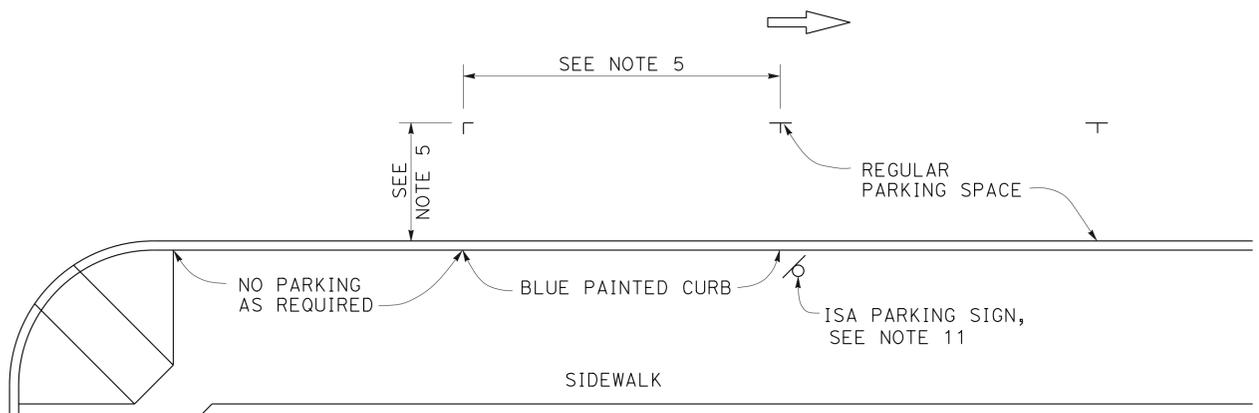
H. David Cordova
 REGISTERED CIVIL ENGINEER
 July 3, 2015
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



TO ACCOMPANY PLANS DATED 7-27-15



CONVENTIONAL
(See Note 9)



RESTRICTED RIGHT OF WAY WIDTH
ON-STREET PARKING
(Parallel parking)
(See Note 10)

**NO
PARKING**

PAVEMENT MARKING
See Note 7



SIGN R99 (CA)



SIGN R99C (CA)
See Note 3



PLAQUE R99B (CA)

SIGN R99 (CA) with PLAQUE R99B (CA)
See Note 3

NOTES:

- Parking spaces shall be so located that persons with disabilities are not compelled to wheel or walk behind parked vehicles other than their own.
- Surface slopes of accessible on-street parking spaces shall be the minimum feasible.
- Where Plaque R99B (CA) or Sign R99C (CA) are installed, the bottom of the sign or plaque panel shall be a minimum of 7'-0" above the surrounding surface.
- Curb ramps shall conform to the details shown on Revised Standard Plan RSP A88A.
- Accessible on-street parking spaces shall not be smaller in length or width than that specified by the local jurisdiction for other parking spaces, but not less than 20'-0" in length and not less than 8'-0" in width.
- Blue paint, instead of white may be used for marking accessibility aisles in areas where snow may cause white markings to not be visible.
- The words "NO PARKING", shall be painted in white letters no less than 1'-0" high on a contrasting background and located so that it is visible to traffic enforcement officials. See Revised Standard Plan RSP A24E for square foot area for painting the words "NO PARKING".
- There shall be no obstructions on the sidewalk adjacent to and for the full length of the parking space, except for the ISA parking sign shown.
- The Conventional detail should be the primary choice of accessible on-street parking. However, if the sidewalk lacks adequate space to construct a standard curb ramp, the Restricted Right of Way detail should be used.
- If the Restricted Right of Way width detail is selected and it conflicts with a bus stop or other uses, this detail may apply to the other end of the block.
- Accessible Parking Only Sign shall be Sign R99C (CA) or Sign R99 (CA) with Plaque R99B (CA).

LEGEND

ISA = International Symbol of Accessibility

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**ACCESSIBLE PARKING
ON-STREET**

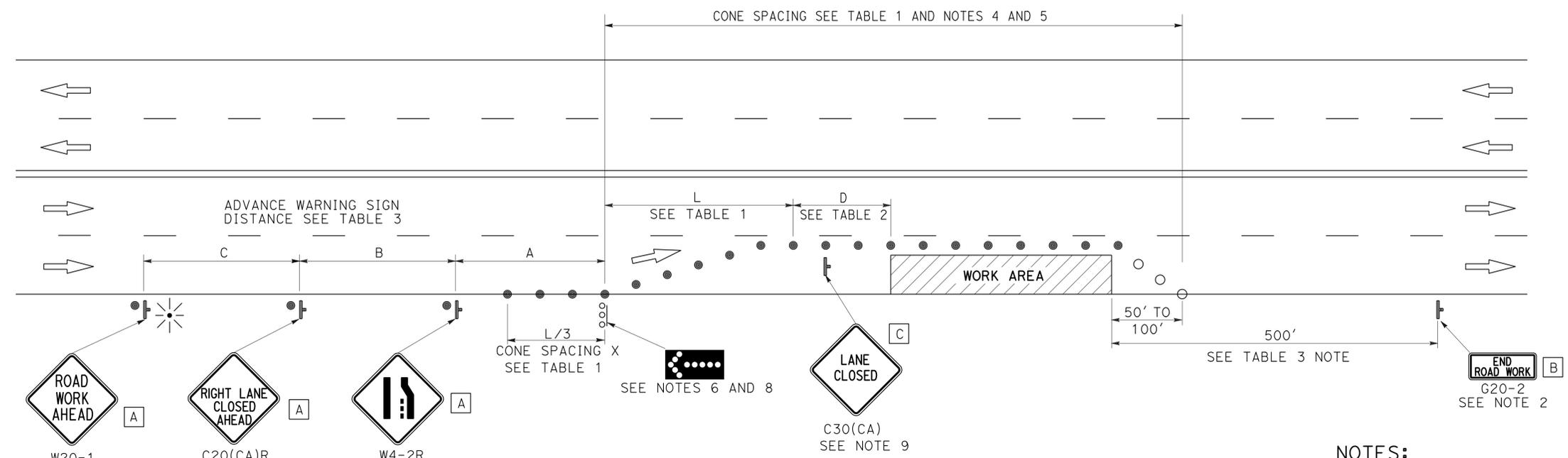
NO SCALE

RSP A90B DATED JULY 3, 2015 SUPERSEDES RSP A90B DATED JULY 19, 2013 SUPERSEDES AND PLAN A90B DATED MAY 20, 2011 - PAGE 124 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A90B

2010 REVISED STANDARD PLAN RSP A90B

TO ACCOMPANY PLANS DATED 7-27-15



TYPICAL LANE CLOSURE

NOTES:

See Revised Standard Plan RSP T9 for tables.
 Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as appropriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.
 Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background.
 California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

NOTES:

- Each advance warning sign shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
- A G20-2 "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious, or ends within a larger project's limits.
- If the W20-1 sign would follow within 2000' of a stationary W20-1 or G20-1 "ROAD WORK NEXT _____ MILES", use a C20(CA) sign for the first advance warning sign.
- All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
- Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
- Flashing arrow sign shall be either Type I or Type II.
- For approach speeds over 50 mph, use the "Traffic Control System for Lane Closure On Freeways And Expressways" plan for lane closure details and requirements.
- A minimum 1500' of sight distance shall be provided where possible for vehicles approaching the first flashing arrow sign. Lane closures shall not begin at the top of crest vertical curve or on a horizontal curve.
- Place a C30(CA) sign every 2000' throughout length of lane closure.
- Median lane closures shall conform to the details as shown except that C20(CA)L and W4-2L signs shall be used.
- At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closure unless, otherwise directed by the Engineer.

LEGEND

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

SIGN PANEL SIZE (Min)

- A** 48" x 48"
- B** 36" x 18"
- C** 30" x 30"

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**TRAFFIC CONTROL SYSTEM
 FOR LANE CLOSURE ON
 MULTILANE CONVENTIONAL
 HIGHWAYS**

NO SCALE

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

REVISED STANDARD PLAN RSP T11

2010 REVISED STANDARD PLAN RSP T11