INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	TYPICAL CROSS SECTIONS
3	PROJECT CONTROL
4	LAYOUTS
5	TEMPORARY WATER POLLUTION CONTROL PLANS
6	CONSTRUCTION AREA SIGNS
7	TRAFFIC HANDLING PLAN
8	SUMMARY OF QUANTITIES
9	IRRIGATION SPRINKLER SCHEDULE
10	IRRIGATION REMOVAL PLAN
11-13	IRRIGATION PLAN, DETAILS AND QUANTITIES
14-15	PLANT LIST AND EROSION CONTROL LEGEND
16	PLANTING AND EROSION CONTROL PLAN
17-18	LANDSCAPE DETAILS AND QUANTITIES
19-32	REVISED STANDARD PLANS

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

STATE OF CALIFORNIA

DEPARTMENT OF TRANSPORTATION

ACSTPI-005-1(630)E

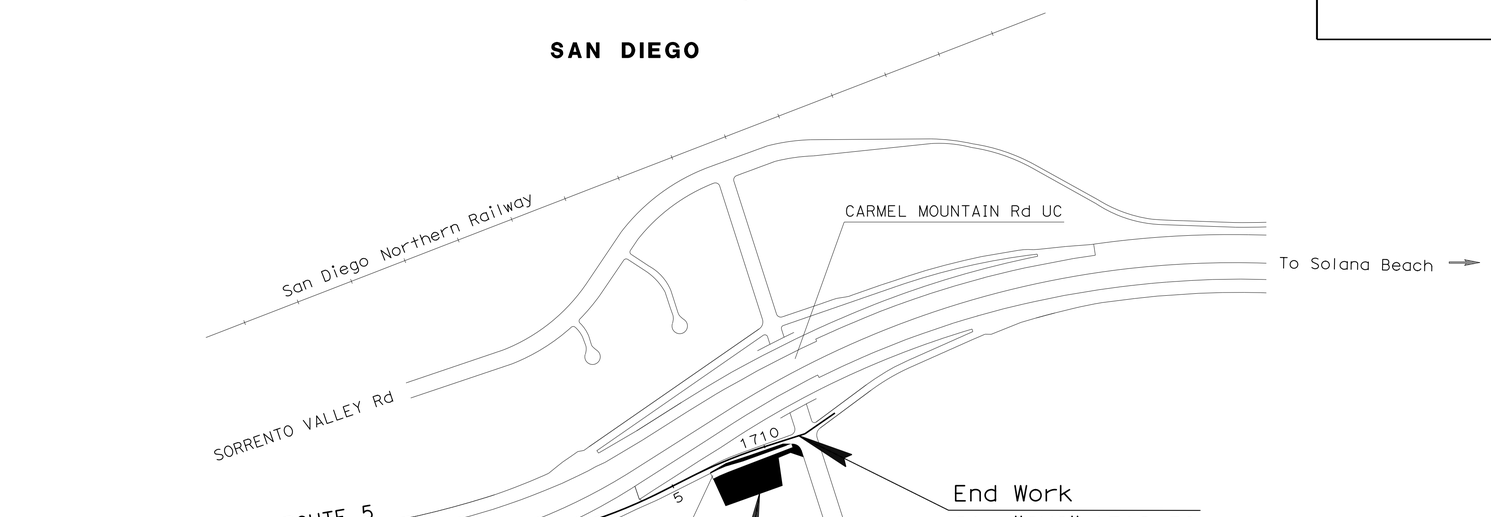
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	31.7	1	32

PROJECT PLANS FOR CONSTRUCTION ON STATE HIGHWAY

IN SAN DIEGO COUNTY IN SAN DIEGO AT 0.1 MILE SOUTH OF CARMEL MOUNTAIN ROAD UNDERCROSSING

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010

SAN DIEGO



LOCATION OF CONSTRUCTION
PM 31.7

NO SCALE

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

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

March 30, 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.

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3492
Signature
10-31-16
Renewal Date
02-24-15
Date
STATE OF CALIFORNIA

PROJECT MANAGER: CARL SAVAGE
SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ

CONTRACT No.	11-282304
PROJECT ID	1100000313

LAST REVISION 03-05-15
DATE PLOTTED => 27-MAR-2015
TIME PLOTTED => 10:54

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	31.7	2	32

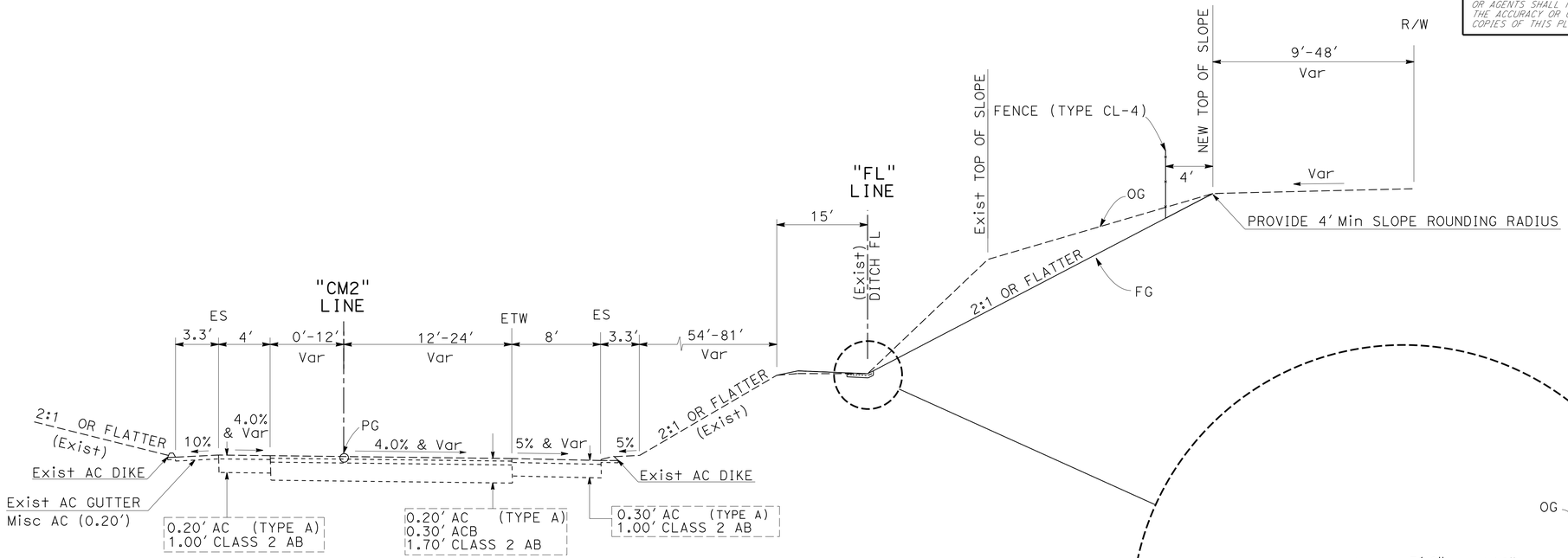
R.D.Gabriel 02-25-15
REGISTERED CIVIL ENGINEER DATE

RODOLFO D. GABRIEL No. 67462 Exp. 06-30-15 CIVIL
REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

03-30-15
PLANS APPROVAL DATE

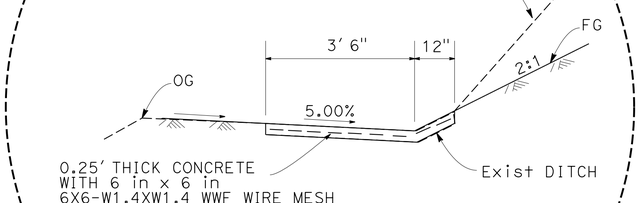
NOTES:

1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.



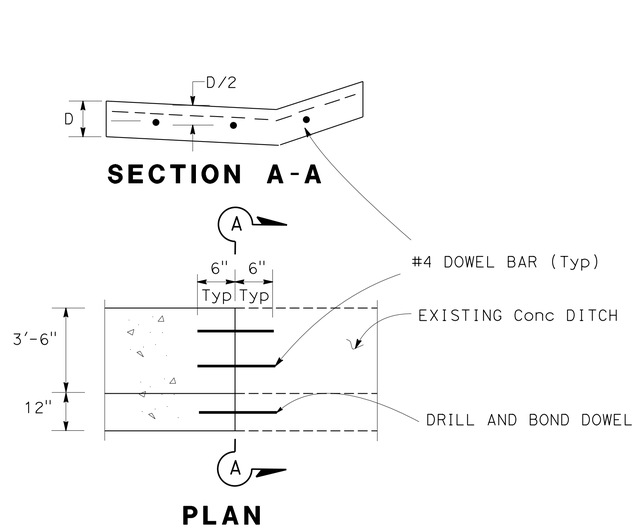
ROUTE 5 NB OFF-RAMP TO CARMEL MOUNTAIN ROAD

Sta 1707+58.65 TO 1711+35.00 "CM2" LINE



DETAIL
CONCRETE DITCH

Sta 10+15.00 TO 13+66.50 "FL" LINE



PLAN
CONCRETE DITCH CONNECTION DETAIL

TYPICAL CROSS SECTIONS

NO SCALE

X-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DESIGN
FUNCTIONAL SUPERVISOR: KAZIM MAMDANI
CALCULATED-DESIGNED BY: RUDY GABRIEL
CHECKED BY: GERRY CRUZ
REVISED BY
DATE REVISED

LAST REVISION 03-05-15
DATE PLOTTED => 27-MAR-2015
TIME PLOTTED => 10:54

BORDER LAST REVISED 7/2/2010
USERNAME => s127400
DGN FILE => 1100000313ca001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 2786
PROJECT NUMBER & PHASE 11000003131

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	31.7	3	32

George J. Schuh 02-25-15
LICENSED LAND SURVEYOR DATE

03-30-15
PLANS APPROVAL DATE

PROFESSIONAL LAND SURVEYOR * GEORGE J. SCHUH L.S. 7121 Exp. 12/31/2016 * 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:

FOR COMPLETE PROJECT CONTROL DATA, SEE THE SURVEY RECORDS ON FILE IN THE SURVEY DEPARTMENT AT THE DISTRICT OFFICE.

BASIS OF BEARINGS AND COORDINATES

FOR THIS PROJECT IS THE CALIFORNIA COORDINATE SYSTEM OF 1983, 1991.35 EPOCH ADJUSTMENT [CCS 83 (1991.35)], ZONE 6. 1ST ORDER PROJECT CONTROL STATION WAS ESTABLISHED BASED ON THE CRITERIA SET FORTH IN THE FEDERAL GEODETIC CONTROL COMMITTEE'S "GEOMETRIC GEODETIC ACCURACY STANDARDS AND SPECIFICATIONS FOR USING GPS RELATIVE POSITIONING TECHNIQUES" REPRINTED AUGUST 1, 1989.

BASIS OF ELEVATIONS

FOR THIS PROJECT IS THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). ELEVATIONS WERE ESTABLISHED BY GPS FAST STATIC SURVEY AND MEET CALTRANS 3RD ORDER ACCURACY REQUIREMENTS.

IN THE EVENT GPS MACHINE CONTROL/GUIDANCE IS USED FOR THIS PROJECT, THE CONTRACTOR SHALL CONTACT OR MEET WITH DISTRICT 11 LAND SURVEY DIVISION TO OBTAIN THE CONTROL NECESSARY TO ESTABLISH A PROJECT CALIBRATION COMPATIBLE FOR ALL USERS.

ABBREVIATION:

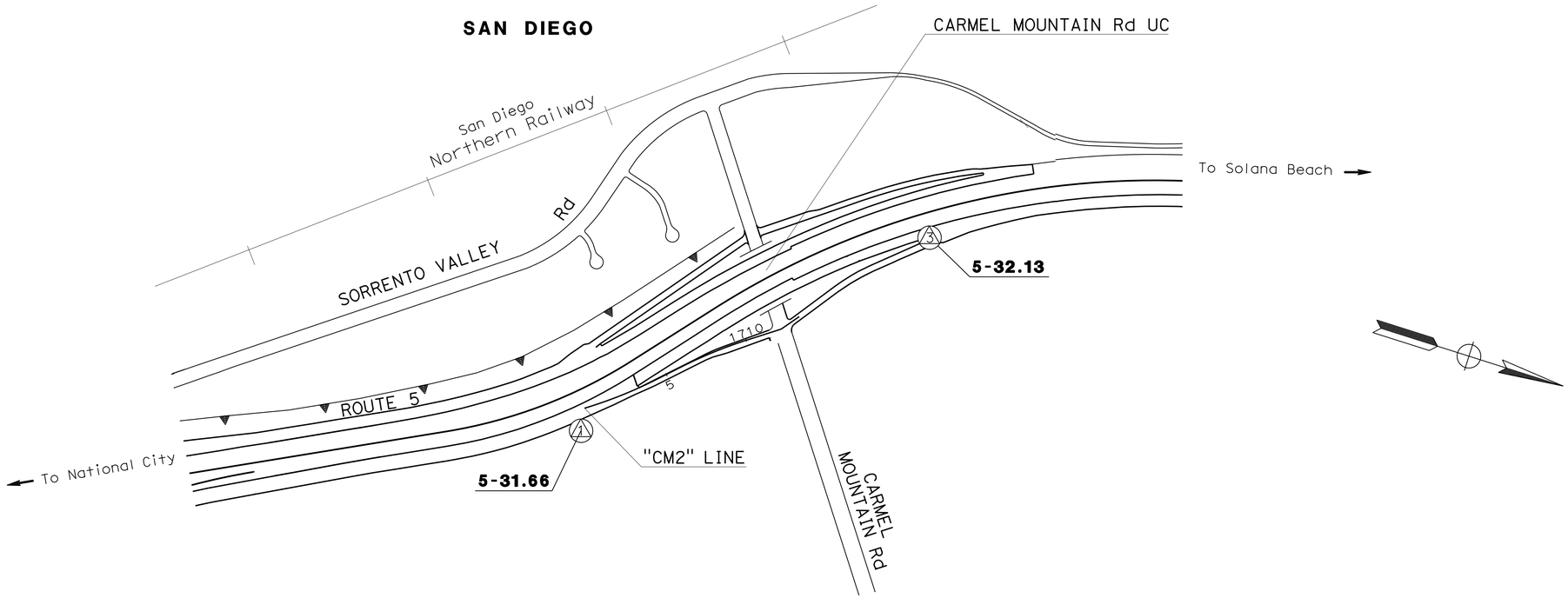
CADT CALIFORNIA DEPARTMENT OF TRANSPORTATION

LEGEND:

(1) 1ST ORDER STATION
(3) 3RD ORDER STATION
(C) CGPS ORDER STATION

CONTROL FOR DESIGN AND CONSTRUCTION

STATION DESIGNATION	ORDER	NORTHING	EASTING	ELEVATION	DESCRIPTION
5-31.66	1st	1914578.76	6260540.06	114.91	2¼" CADT BRASS DISK
5-32.13	3rd	1915948.74	6259084.70	97.84	2¼" CADT BRASS DISK



PROJECT CONTROL

NO SCALE **PC-1**

APPROVED FOR PROJECT CONTROL INFORMATION ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
LAND SURVEYS DIVISION
FUNCTIONAL SUPERVISOR: BRUCE URQUHART
CALCULATED-DESIGNED BY: GEORGE SCHUH
CHECKED BY: NED SALMAN
REVISED BY | DATE REVISED

LAST REVISION | DATE PLOTTED => 27-MAR-2015 | TIME PLOTTED => 10:54
03-05-15

BORDER LAST REVISED 7/2/2010 | USERNAME => s127400 | DGN FILE => 1100000313dc001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2798 | PROJECT NUMBER & PHASE 11000003131

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	31.7	4	32

R.D.Gabriel 02-25-15
REGISTERED CIVIL ENGINEER DATE

RODOLFO D. GABRIEL No. 67462 Exp. 06-30-15 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

03-30-15
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.

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. EXISTING UTILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
3. SEE PLANTING AND EROSION CONTROL PLAN FOR TEMPORARY FENCE (TYPE ESA).

LEGENDS:

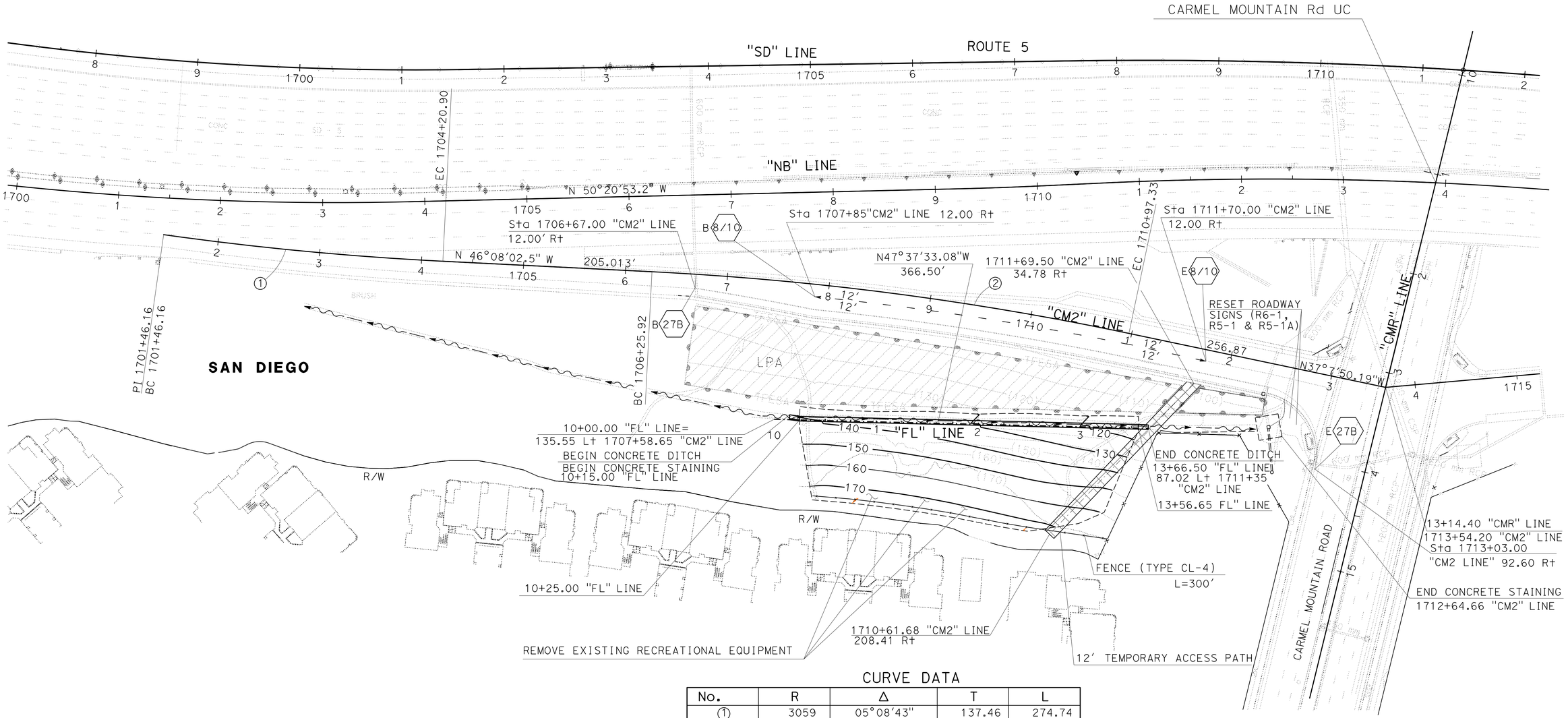
B (XX) BEGIN PAVEMENT DELINEATION DETAIL

E (XX) END PAVEMENT DELINEATION DETAIL

LEGEND:

LANDSCAPE PROTECTION AREA (LPA)
SEE PLANTING & EROSION CONTROL PLAN

TEMPORARY ACCESS PATH



CURVE DATA

No.	R	Δ	T	L
①	3059	05°08'43"	137.46	274.74
②	3000	05°21'43"	140.47	280.74

LAYOUT
L-1

SCALE: 1" = 50'

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: RUDY GABRIEL
CHECKED BY: GERRY CRUZ/KAZIM MAMDANI
FUNCTIONAL SUPERVISOR: KAZIM MAMDANI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION | DATE PLOTTED => 27-MAR-2015
03-05-15 | TIME PLOTTED => 10:54

BORDER LAST REVISED 7/2/2010 | USERNAME => s127400 | DGN FILE => 1100000313ea001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2786 | PROJECT NUMBER & PHASE 11000003131

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	31.7	5	32

REGISTERED CIVIL ENGINEER — 02-25-15 DATE

RODOLFO D. GABRIEL No. 67462 Exp. 06-30-15 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

03-30-15
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:

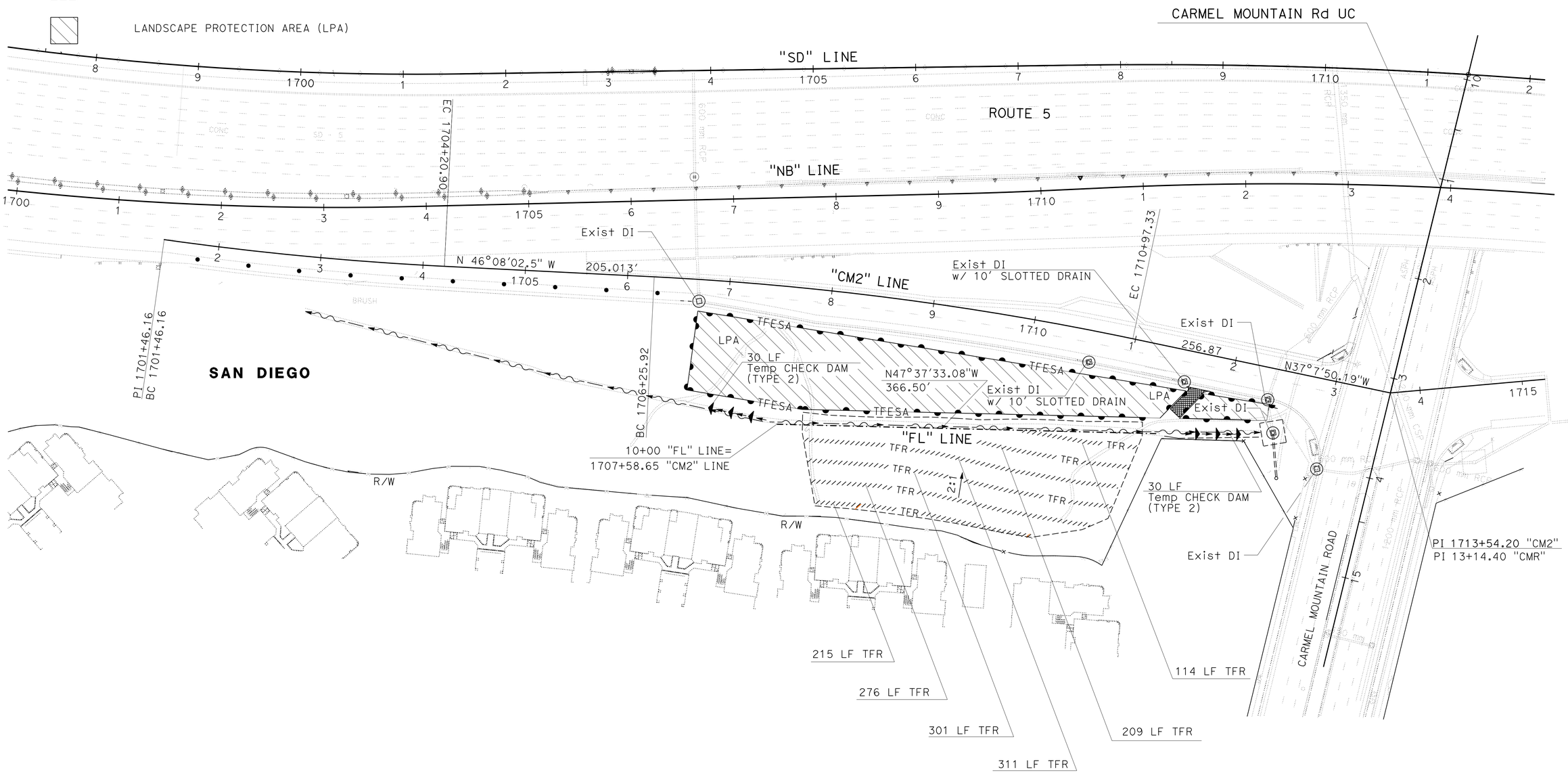
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

LEGEND:

2:1 — SURFACE FLOW DIRECTION (Horiz:Vert)

TEMPORARY HYDROSEED - 4080 SQYD

LANDSCAPE PROTECTION AREA (LPA)



TEMPORARY WATER POLLUTION CONTROL PLAN

SCALE: 1" = 50'

WPC-1

APPROVED FOR TEMPORARY WATER POLLUTION CONTROL WORK ONLY

CALCULATED-DESIGNED BY: RUDY GABRIEL
CHECKED BY: GERRY CRUZ
FUNCTIONAL SUPERVISOR: KAZIM MAMDANI
REVISED BY / DATE REVISED:

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION | DATE PLOTTED => 27-MAR-2015
03-05-15 | TIME PLOTTED => 10:54

BORDER LAST REVISED 7/2/2010 | USERNAME => s127400 | DGN FILE => 11000003131gb001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2786 | PROJECT NUMBER & PHASE 11000003131

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	31.7	6	32

R D Gabriel 02-25-15
REGISTERED CIVIL ENGINEER DATE

RODOLFO D. GABRIEL No. 67462 Exp. 06-30-15 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

03-30-15
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.

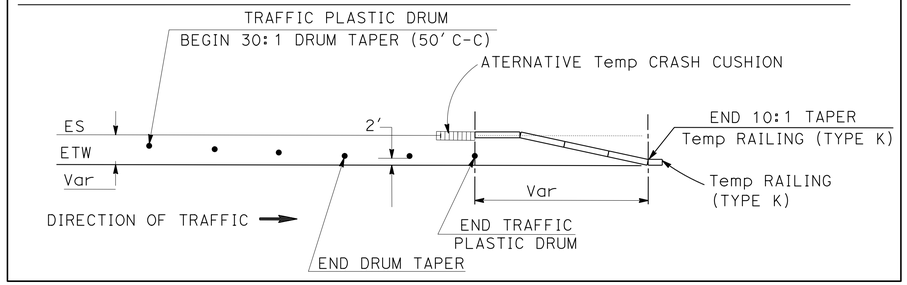
NOTES:

1. EXACT LOCATION OF CONSTRUCTION AREA SIGNS WILL BE DETERMINED BY THE ENGINEER.
2. FEDERAL MUTCD SIGN CODES ARE SHOWN UNLESS DESIGNATED BY (CA) INDICATING STANDARD CALIFORNIA SIGN SPECIFICATION ARE USED.
3. EXISTING UTILITIES ARE NOT SHOWN ON THESE PLAN SHEETS. THE CONTRACTOR SHALL VERIFY LOCATIONS OF EXISTING UTILITIES AND ADJUST THE FIELD LOCATION OF THE SIGN POST IN CONSULTATION WITH THE ENGINEER.
3. SEE TRAFFIC HANDLING PLANS FOR ADDITIONAL CONSTRUCTION AREA SIGNS.

LEGEND:

XX = CONSTRUCTION AREA SIGN

TYPICAL PLACEMENT OF TRAFFIC PLASTIC DRUM

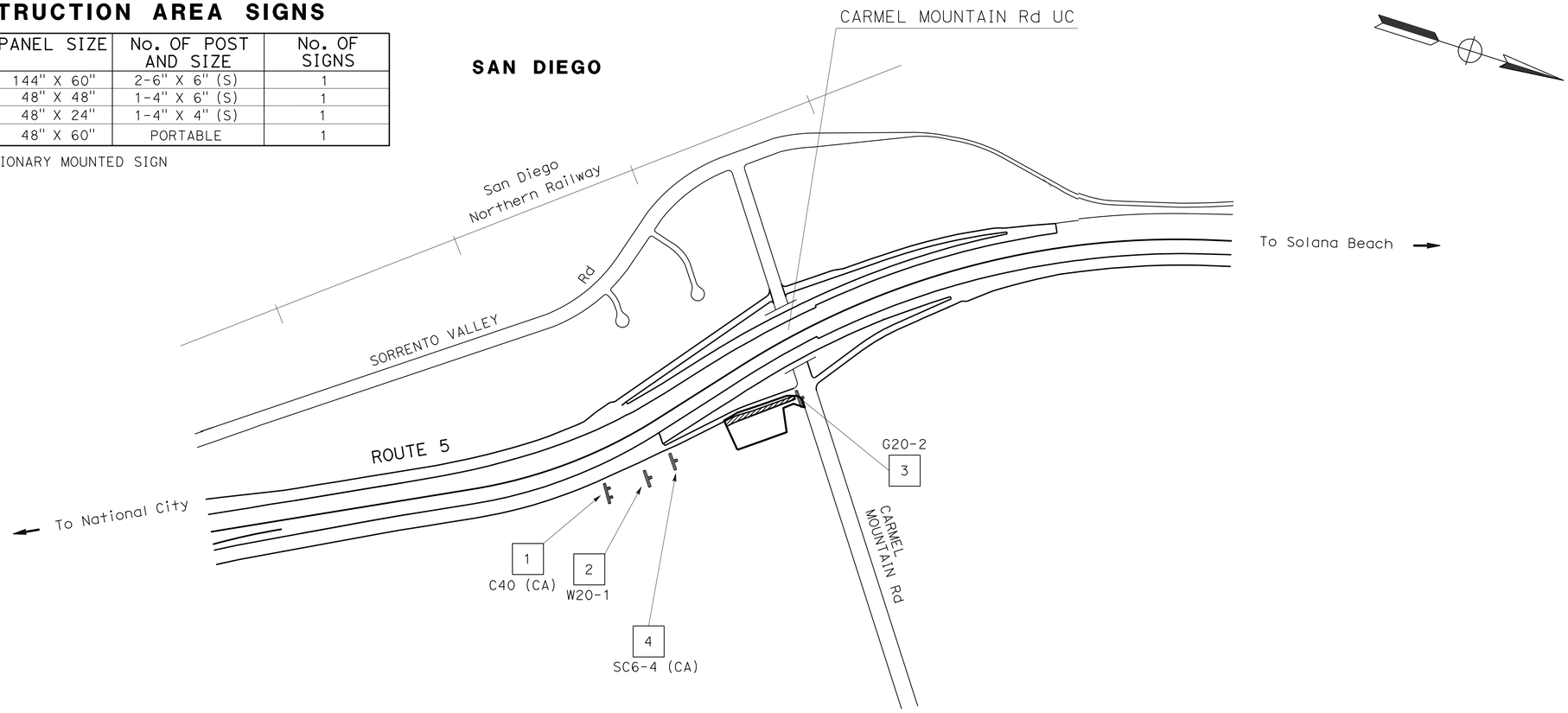


CONSTRUCTION AREA SIGNS

SIGN No.	TYPE	PANEL SIZE	No. OF POST AND SIZE	No. OF SIGNS
1	C40 (CA)	144" X 60"	2-6" X 6" (S)	1
2	W20-1	48" X 48"	1-4" X 6" (S)	1
3	G20-2	48" X 24"	1-4" X 4" (S)	1
4	SC6-4 (CA)	48" X 60"	PORTABLE	1

(S) DENOTES STATIONARY MOUNTED SIGN

SAN DIEGO



APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

CONSTRUCTION AREA SIGNS

NO SCALE

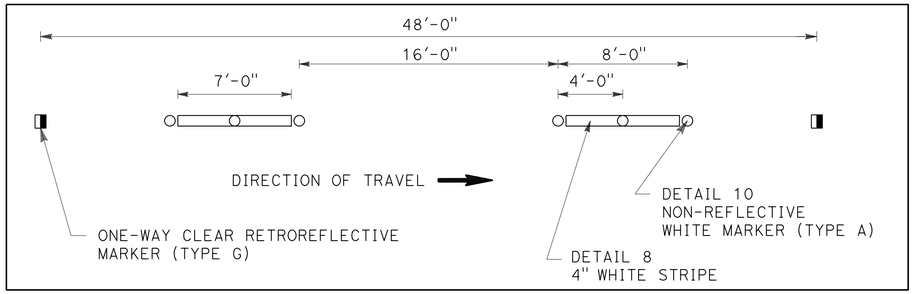
CS-1

REVISED BY | DATE REVISED
RUDY GABRIEL | GERRY CRUZ
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: KAZIM MAMDANI
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION | DATE PLOTTED => 27-MAR-2015 | TIME PLOTTED => 10:54
03-05-15

BORDER LAST REVISED 7/2/2010 | USERNAME => s127400 | DGN FILE => 11000003131a001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2786 | PROJECT NUMBER & PHASE 11000003131

DETAIL 8/10 COMBINATION



LEGENDS:

- XX = CONSTRUCTION AREA SIGN
- BT XX = BEGIN TEMPORARY PAVEMENT DELINEATION DETAIL
- ET XX = END TEMPORARY PAVEMENT DELINEATION DETAIL
- BR XX = BEGIN REMOVE PAVEMENT DELINEATION DETAIL
- ER XX = END REMOVE PAVEMENT DELINEATION DETAIL

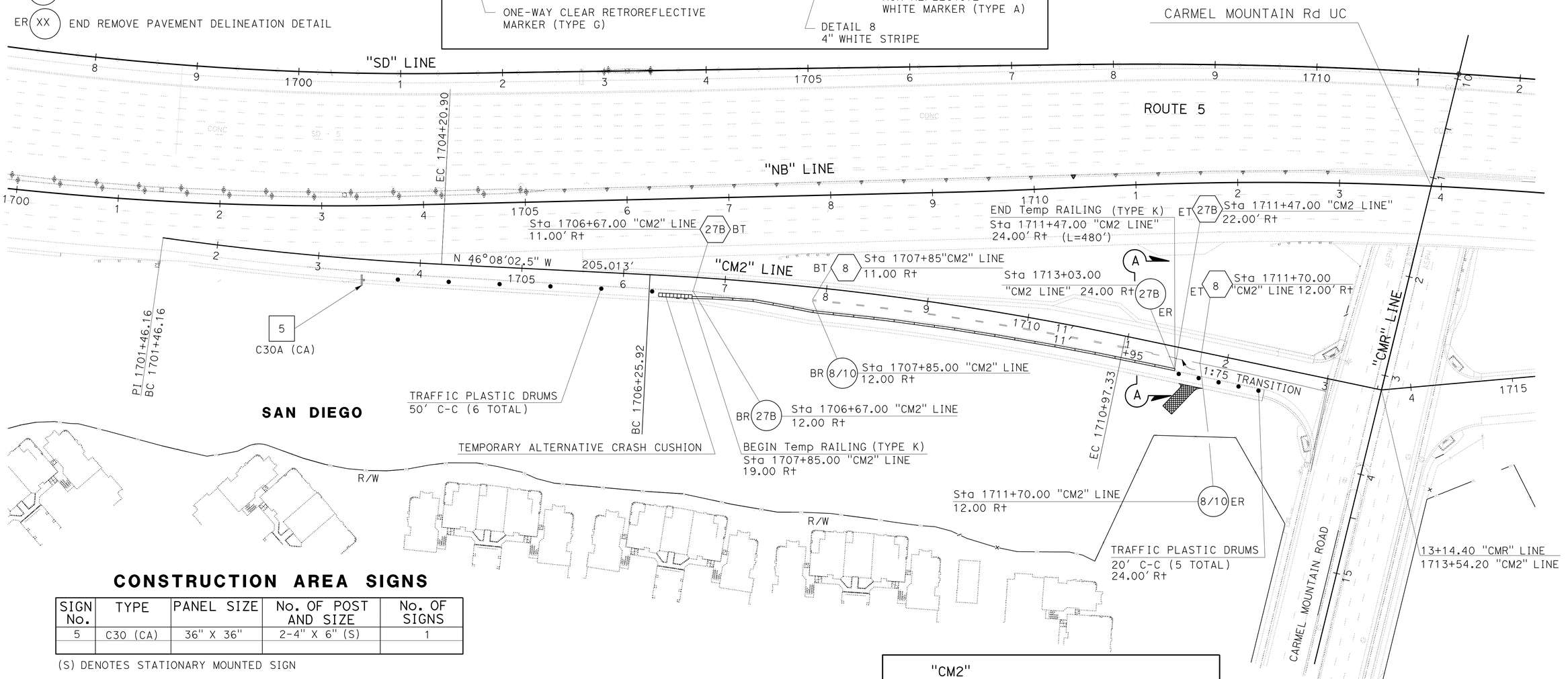
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	31.7	7	32

R.D.Gabriel 02-25-15
REGISTERED CIVIL ENGINEER DATE

03-30-15
PLANS APPROVAL DATE

RODOLFO D. GABRIEL No. 67462 Exp. 06-30-15 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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



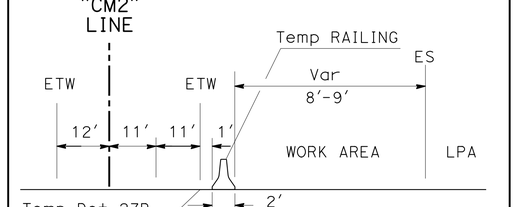
CONSTRUCTION AREA SIGNS

SIGN No.	TYPE	PANEL SIZE	No. OF POST AND SIZE	No. OF SIGNS
5	C30 (CA)	36" X 36"	2-4" X 6" (S)	1

(S) DENOTES STATIONARY MOUNTED SIGN

Misc TRAFFIC HANDLING

BEGIN Sta	END Sta	LINE	TEMPORARY RAILING (TYPE K) (LF)	ALTERNATIVE TEMPORARY CRASH CUSHION (EA)	TRAFFIC PLASTIC DRUM (EA)	TEMPORARY TRAFFIC STRIPE (PAINT) (LF)	REMOVE PAINTED TRAFFIC STRIPE (LF)	REMOVE THERMO-PLASTIC TRAFFIC STRIPE (LF)	4" THERMO-PLASTIC TRAFFIC STRIPE (LF)		PAVEMENT MARKER (RETRO-REFLECTIVE) (EA)	PAVEMENT MARKER (NON-REFLECTIVE) (EA)
										17-7		
1706+67	1713+03	"CM2"	480	1	11	865	385	674	680	390	9	48



APPROVED FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN TH-1

NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: KAZIM MAMDANI
CALCULATED-DESIGNED BY: RUDY GABRIEL
CHECKED BY: GERRY CRUZ/KAZIM MAMDANI
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 27-MAR-2015
TIME PLOTTED => 10:54

BORDER LAST REVISED 7/2/2010
USERNAME => s127400
DGN FILE => 1100000313md001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 2786
PROJECT NUMBER & PHASE 11000003131

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	31.7	8	32

RDGabriel 02-25-15
REGISTERED CIVIL ENGINEER DATE

03-30-15
PLANS APPROVAL DATE

RODOLFO D. GABRIEL No. 67462 Exp 06-30-15 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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

WATER POLLUTION CONTROL

SHEET	TEMPORARY FIBER ROLL	TEMPORARY DRAINAGE INLET PROTECTION	TEMPORARY CONSTRUCTION ENTRANCE	TEMPORARY CHECK DAM	TEMPORARY HYDROSEED
	(LF)	(EA)	(EA)	(LF)	(SQYD)
WPC-1	1426	6	1	60	4,080
TOTAL	1426	6	1	60	4,080

RESET ROADSIDE SIGN

SHEET	EA
L-1	3
TOTAL	3

EARTHWORK QUANTITIES

SHEET	LINE	BEGIN STATION	END STATION	ROADWAY EXCAVATION (CY)
L-1	"FL"	10+15.00	13+65.50	8,100
			TOTAL	8,100

CONCRETE (DITCH LINING)

SHEET	LINE	BEGIN STATION	END STATION	(N) LENGTH (LF)	(N) SECTION AREA (SF)	CONCRETE (DITCH LINING) (CY)	DITCH EXCAVATION (CY)
L-1	"FL"	10+15.00	13+65.50	350.50	1.13	14.67	14.67
					TOTALS	14.67	14.67

CONCRETE STAINING

LOCATION	AREA (SQFT)	REMARKS
"FL" Sta 10+15.00 TO 13+66.50 Lt/Rt	1,582.00	NEW Conc DITCH
"CM2" Sta 1711+16.8 TO 1712+26.8 Rt	732.00	Exist Conc DITCH
"CM2" Sta 1712+26.8 TO 1712+49.8 Rt	470.00	Exist Conc APRON
TOTAL	2,784.00	

CHAIN LINK FENCE (TYPE CL-4)

SHEET	LENGTH (LF)
L-1	300
TOTAL	300

SUMMARY OF QUANTITIES
Q-1

REVISED BY | DATE REVISED
RUDY GABRIEL | GERRY CRUZ
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: KAZIM MAMDANI
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION | DATE PLOTTED => 27-MAR-2015
03-05-15 | TIME PLOTTED => 10:54

BORDER LAST REVISED 7/2/2010 | USERNAME => s127400 | DGN FILE => 1100000313pa001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2786 | PROJECT NUMBER & PHASE 11000003131

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	31.7	9	32

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-30-15
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT STEPHEN P. WARREN No. 3442 Stephen P. Warren RENEWAL 10-31-16 DATE 02-24-15 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.

IRRIGATION LEGEND

SYMBOL	DESCRIPTION	SPRAY PATTERN	OPERATING PRESSURE (psi)	PRESSURE COMPENSATING	PLUS/MINUS 5% ② DISCHARGE: GALLONS PER MINUTE (GPM)	DISCHARGE: GALLONS PER HOUR (GPH)	RADIUS (ft)	WIDTH x LENGTH (ft)	FLOW SHUTOFF DEVICE	INLET CONNECTION (NPT INCH)	POSITIVE-LOCKING Adj ARC STOP	BACKSPLASH PREVENTER	DIFFUSER PIN	DISTANCE CONTROL FLAP	Adj DISCHARGE	SPRINKLER ASSEMBLY: RISER: RISER TYPE	RISER: MATERIAL: PLASTIC	RISER: MATERIAL: GALVANIZED	RISER: SIZE (IPS INCH)	RISER: HEIGHT (INCH)	RISER: ⑥ SWING JOINT (INCH)	RISER SUPPORT	POP-UP: ⑥ SWING JOINT (INCH)	POP-UP: INLET CONNECTION (NPT INCH)	POP-UP: SPRINKLER PROTECTOR (TYPE)	POP-UP: POP-UP HEIGHT (INCH)	TREE WELL: ⑥ SWING JOINT (INCH)	REMARKS
⑤	RISER SPRINKLER ASSEMBLY (GEAR DRIVEN)	P	50	-	3.5	-	40	-	-	¾	-	-	X	-	-	I	X	-	¾	10	¾	-	-	-	-	-	-	③⑦
7	RISER SPRINKLER ASSEMBLY (GEAR DRIVEN)	F	50	-	7.5	-	48	-	-	¾	-	-	X	-	-	I	X	-	¾	10	¾	-	-	-	-	-	-	③
⑦	RISER SPRINKLER ASSEMBLY (GEAR DRIVEN)	P	50	-	7.5	-	48	-	-	¾	-	-	X	-	-	I	X	-	¾	10	¾	-	-	-	-	-	-	③⑦
△	RISER SPRINKLER ASSEMBLY	H	30	X	1.8	-	12	-	-	½	-	-	-	-	-	I	X	-	½	10	¾	-	-	-	-	-	-	SHRUB SPRAY ③⑧
○	RISER SPRINKLER ASSEMBLY	-	30	X	0.5	-	-	-	-	½	-	-	-	-	-	I	X	-	½	10	¾	-	-	-	-	-	-	FLOOD BUBBLER ③④⑨⑩⑪

X IN BOX DENOTES REQUIREMENT

APPLICABLE WHEN CIRCLED BELOW:

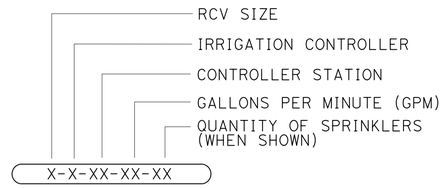
1 - SEE SPECIAL PROVISIONS.
② - IF A PRESSURE COMPENSATING DEVICE IS SPECIFIED, THE DISCHARGE AND RADII SHOWN REFLECT ITS USE.
③ - MUST HAVE AN INTERNAL OR EXTERNAL CHECK VALVE.
④ - NON-ADJUSTABLE DISCHARGE RATE.
5 - REQUIRED ADJACENT TO SHOULDERS, CURBS, SIDEWALKS, AND DIKES.
⑥ - SEE DETAIL.
⑦ - ADJUSTABLE ARC.
⑧ - MATCHED PRECIPITATION RATE NOZZLES.
⑨ - REFER TO PIPE SIZING CHARTS.
⑩ - INSTALL TWO FLOOD BUBBLER PER No. 15 TREE
⑪ - PRESSURE COMPENSATING

NOTES:

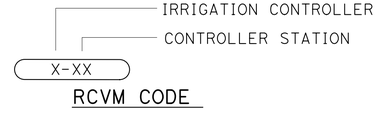
1. ALL LATERAL PLASTIC PIPE (SUPPLY LINE) NOT LABELED MUST BE 1 INCH, OR AS SHOWN ON PIPE SIZING CHARTS.

2. ALL SPRINKLER HEADS, VALVES AND PLASTIC PIPE (SUPPLY LINE) SHOWN NEAR MVP LOCATIONS ARE TO BE INSTALLED OUTSIDE OF THE PAVED MVP AREA. VALVES TO BE INSTALLED AT EXITING END OF THE MVP.

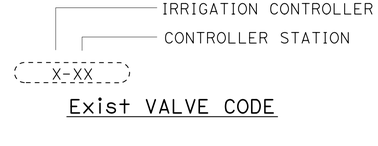
LEGEND:



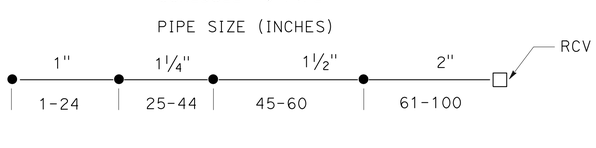
VALVE CODE



RCVM CODE



Exist VALVE CODE



PIPE SIZING CHART
RISER SPRINKLER ASSEMBLY

APPROVED FOR IRRIGATION WORK ONLY

IRRIGATION SPRINKLER SCHEDULE

NO SCALE

ISS-1

REVISED BY | DATE REVISED
JOEL HORTIZUELA | STEVE WARREN
CALCULATED-DESIGNED BY | CHECKED BY
SENIOR LANDSCAPE ARCHITECT | STEPHEN ALVAREZ

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

LAST REVISION | DATE PLOTTED => 27-MAR-2015
03-05-15 | TIME PLOTTED => 10:54

BORDER LAST REVISED 7/2/2010 | USERNAME => s127400 | DGN FILE => 1100000313sm001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2816 | PROJECT NUMBER & PHASE 11000003131

NOTES:

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

2. THE WATER LINE AND Elect Cond IN THE Exist Irr Cond ARE ALSO Exist.

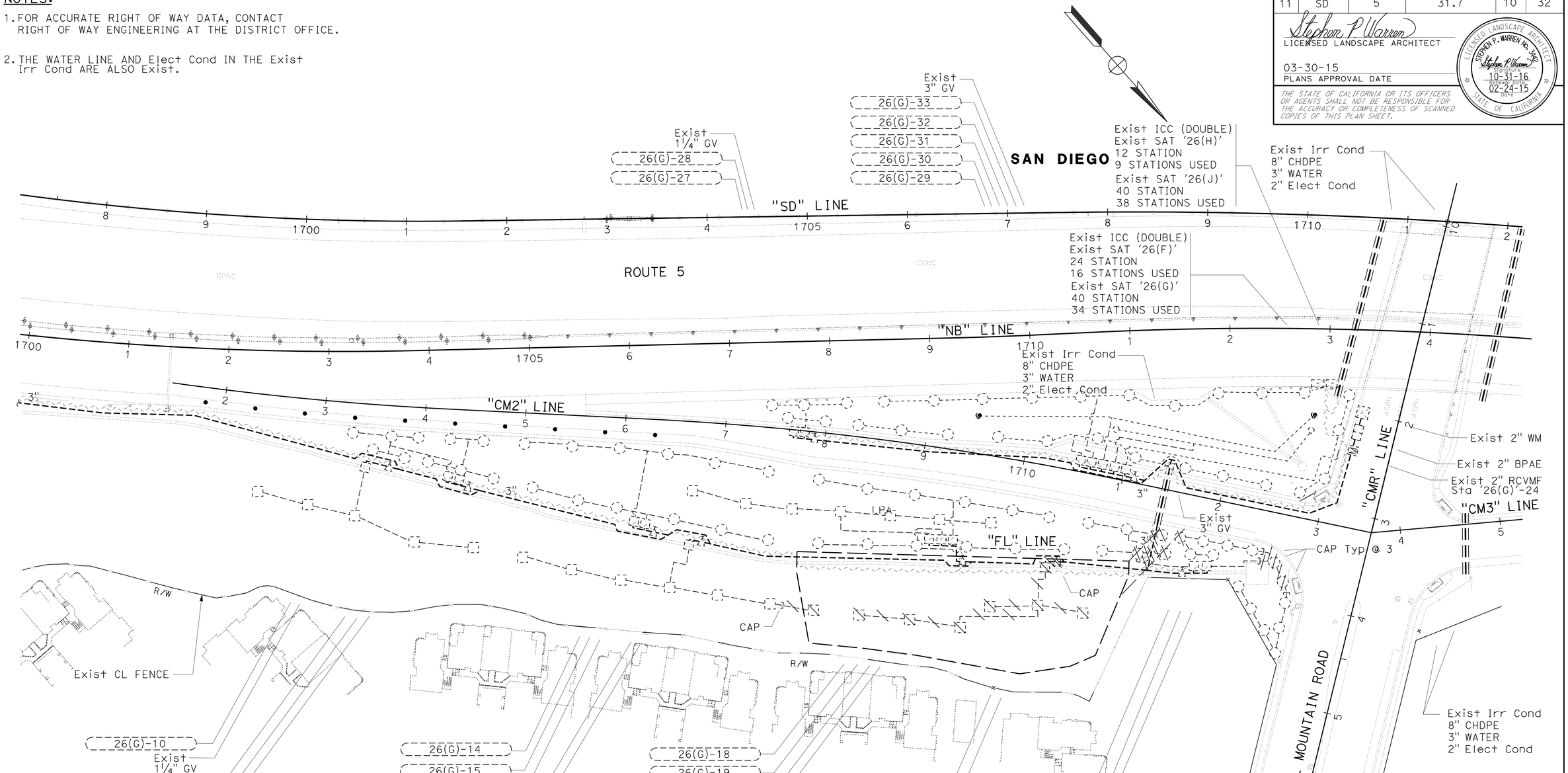
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	31.7	10	32

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-30-15
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.

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Stephen P. Warren
SIGNATURE
10-31-16
RENEWAL DATE
02-24-15
DATE
STATE OF CALIFORNIA



APPROVED FOR IRRIGATION REMOVAL WORK ONLY

IRRIGATION REMOVAL PLAN

SCALE: 1" = 50'

IR-1

REVISED BY | DATE REVISED
JOEL HORTIZUELA | STEVE WARREN
CALCULATED-DESIGNED BY | CHECKED BY
SENIOR LANDSCAPE ARCHITECT | STEPHEN ALVAREZ

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

LAST REVISION 03-05-15 | DATE PLOTTED => 27-MAR-2015 | TIME PLOTTED => 10:54

BORDER LAST REVISED 7/2/2010 | USERNAME => s127400 | DGN FILE => 1100000313sn001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2816 | PROJECT NUMBER & PHASE 11000003131

NOTES:

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

2. THE WATER LINE AND Elect Cond IN THE Exist Irr Cond ARE ALSO Exist.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	31.7	11	32

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-30-15
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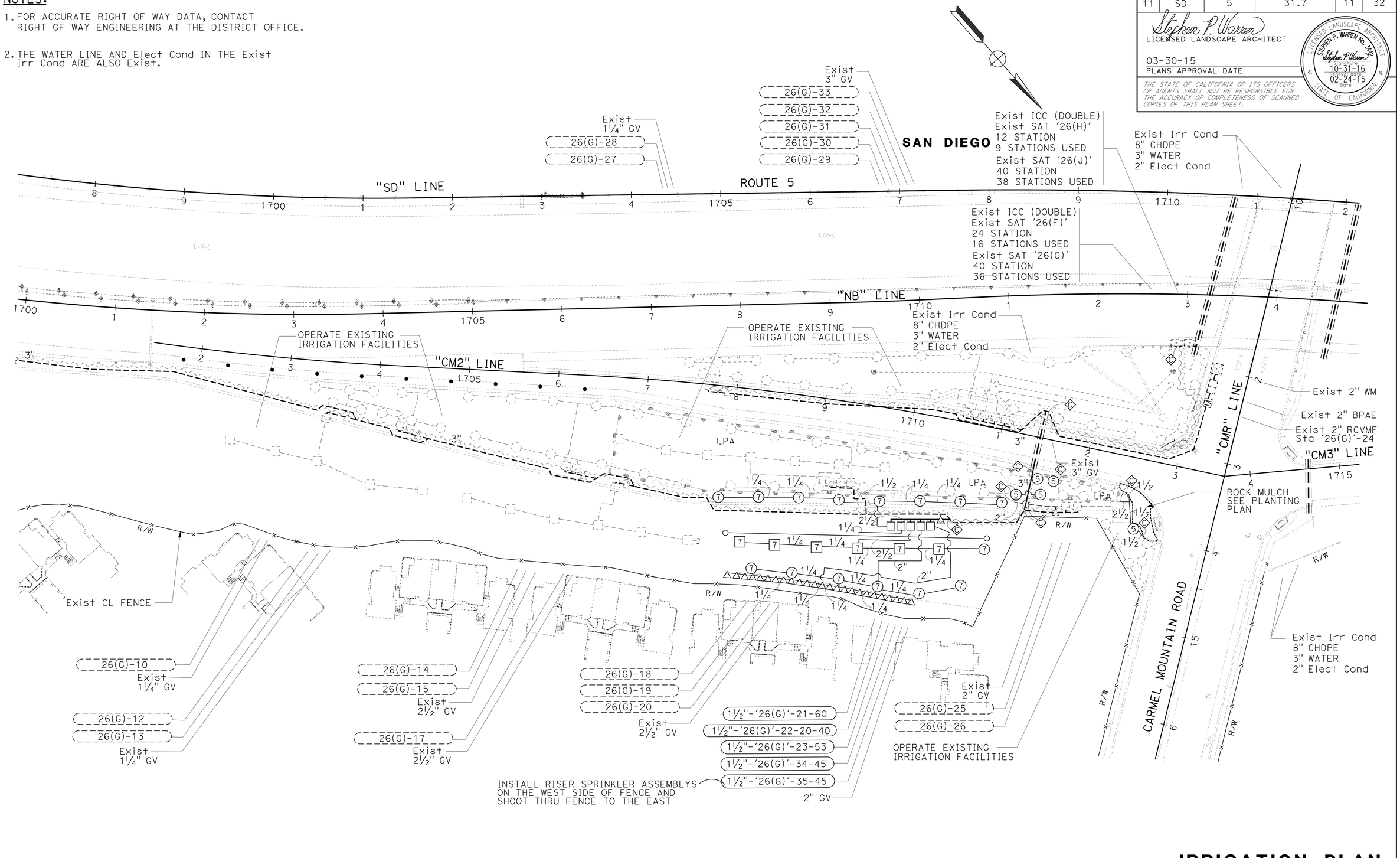
LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Stephen P. Warren
EXPIRATION DATE 10-31-16
REGISTRATION DATE 02-24-15
STATE OF CALIFORNIA



IRRIGATION PLAN

APPROVED FOR IRRIGATION WORK ONLY

SCALE: 1" = 50'

IP-1

REVISED BY | DATE REVISED
JOEL HORTIZUELA | STEVE WARREN
CALCULATED-DESIGNED BY | CHECKED BY
SENIOR LANDSCAPE ARCHITECT | STEPHEN ALVAREZ

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

LAST REVISION | DATE PLOTTED => 27-MAR-2015
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	31.7	12	32

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-30-15
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Stephen P. Warren
EXPIRES
10-31-16
SIGNATURE DATE
02-24-15
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STATE OF CALIFORNIA

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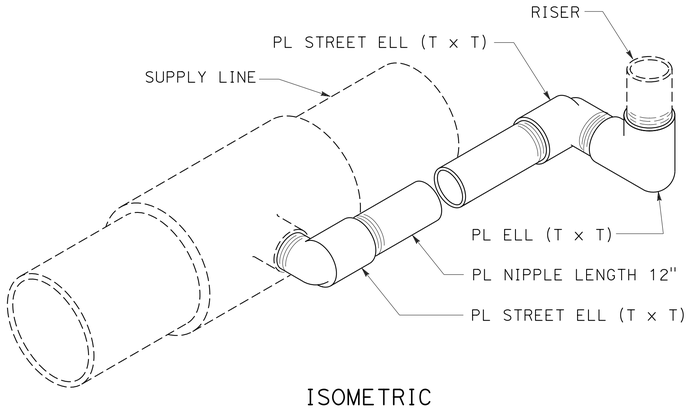
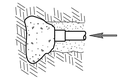
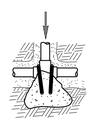
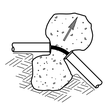


ISOMETRIC

SWING JOINT
(Mod)

INSTALLATION	TYPE FITTING	INSTALLATION	TYPE FITTING
	90° ELL		DEAD END
	45° BEND 22.5° 11.25°		GATE VALVE
	TEE		VERTICAL BEND (TYPE I) 45° 22.5° 11.25° OR
			VERTICAL BEND (TYPE II) 45° 22.5° 11.25°

NOTES:
- Min 1 CF PCC FOR 1½" PIPE SIZE AND SMALLER.
- Min 2 CF PCC FOR 2" PIPE SIZE.
- Min 2 CF PCC FOR 3" AND 4" PIPE SIZE.
- Min 3 CF PCC FOR 6" PIPE SIZE.
- Min 4 CF PCC FOR 8" PIPE SIZE.
- USE #3 REINFORCING BAR WHERE SHOWN.

THRUST BLOCKS
(Mod)

IRRIGATION DETAILS

NO SCALE

ID-1

LAST REVISION 03-05-15
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE
SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ
CALCULATED-DESIGNED BY: JOEL HORTIZUELA
CHECKED BY: STEVE WARREN
REVISED BY
DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	31.7	13	32

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-30-15
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 5442
Stephen P. Warren
RENEWAL DATE 10-31-16
REGISTERED DATE 02-24-15
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.

IRRIGATION QUANTITIES

	CONTROLLER LETTER	VALVE NUMBER	SHEET NUMBER	RCV		GV			PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)					PLASTIC PIPE (CLASS 315) (SUPPLY LINE)		SPRINKLER ASSEMBLY	
				1"	1½"	1½"	2"	3"	¾"	1"	1¼"	1½"	2"	2½"	3"	RISER	RISER GEAR DRIVEN
				EA	EA	EA	EA	EA	LF	LF	LF	LF	LF	LF	LF	EA	EA
SUBTOTALS PER VALVE ON LATERAL SUPPLY SIDE OF CONTROL VALVE	26(G)	20 Exist	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	IP-1	-	-	-	-	-	-	100	185	50	-	30	-	-	8
		22	IP-1	-	-	-	-	-	-	675	90	-	-	-	-	40	-
		23	IP-1	-	-	-	-	-	-	95	190	-	-	115	-	-	7
		24 Exist	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		25 Exist	IP-1	-	-	-	-	-	-	35	-	-	30	-	-	-	3
		26 Exist	IP-1	-	-	-	-	-	-	-	-	70	-	15	-	-	2
		27-33,40 Exist	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		34	IP-1	-	-	-	-	-	-	95	150	-	150	-	-	-	6
		35	IP-1	-	-	-	-	-	-	-	210	-	240	-	-	25	-
SUBTOTALS PER SHEET ON SUPPLY SIDE OF CONTROL VALVE			IP-1	-	5	-	1	-	-	-	-	-	-	30	50	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL				-	5	-	1	-	-	1,000	825	120	420	190	50	65	26

IRRIGATION QUANTITIES

NO SCALE

IQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
LANDSCAPE ARCHITECTURE
SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ
CALCULATED-DESIGNED BY
CHECKED BY
JOEL HORTIZUELA
STEVE WARREN
REVISED BY
DATE REVISED

LAST REVISION 03-05-15
DATE PLOTTED => 27-MAR-2015
TIME PLOTTED => 10:54

BORDER LAST REVISED 7/2/2010
USERNAME => s127400
DGN FILE => 1100000313sr001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 2816
PROJECT NUMBER & PHASE 11000003131

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	31.7	14	32

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-30-15
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 5442
Stephen P. Warren
Signature of
10-31-16
Expiration Date
02-24-15
Date
STATE OF CALIFORNIA

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NOTE:

UNDERLINED PORTIONS OF BOTANICAL NAMES INDICATE ABBREVIATIONS USED ON PLANTING PLANS.

APPLICABLE WHEN CIRCLED:

① - QUANTITIES SHOWN ARE 'PER PLANT' UNLESS SHOWN AS SQYD APPLICATION RATES.
② - SUFFICIENT TO RECEIVE ROOT BALL.
3 - INCLUDED WITH AREA MULCH.
④ - AS SHOWN ON PLANS.
5 - UNLESS OTHERWISE SHOWN ON PLANS.
⑥ - PER STANDARD PLAN RSP H4
7 - SEE SPECIAL PROVISIONS.
⑧ - WOOD MULCH IS SHREDDED BARK MULCH.
⑨ - RANDOMLY MIXED THROUGHOUT ENTIRE DESIGNATED AREA
10 - RANDOMLY PLANT IN GROUPS OF 7-9 THROUGHOUT ENTIRE DESIGNATED AREA

PLANTING LEGEND

PLANT GROUP	PLANT No.	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY EACH	HOLE SIZE (INCH)		BASIN TYPE	IRON SULFATE	SOIL Amend	FERTILIZER ①		WOOD MULCH	STAKING	PLANTING LIMITS							REMARKS
														BASIN ① ⑧ (CY)		MINIMUM DISTANCE (F+) FROM						ON CENTER (F+)	
							Dia	DEPTH		①	①	PLANTING	PLT ESTB			ETW	PVMT	FENCE	WALL	PAVED DITCH	EARTH DITCH		
A	1		ARTEMISIA CALIFORNICA	CALIFORNIA SAGEBRUSH	No. 1	295	②	②	I	4 Oz	-	1 Pkt	8 Oz	0.03	-	-	4	3	3	3	4	13	SHRUB ⑨
	2		ENCELIA CALIFORNICA	BUSH SUNFLOWER	No. 1	370	②	②	I	4 Oz	-	1 Pkt	8 Oz	0.03	-	-	4	3	3	3	4	10	SHRUB ⑨
	3		ERIOGONUM FASCICULATUM VAR FASCICULATUM	CALIFORNIA BUCKWHEAT	No. 1	370	②	②	I	4 Oz	-	1 Pkt	8 Oz	0.03	-	-	4	3	3	3	4	10	SHRUB ⑨
	4		SALVIA MELLIFERA	CALIFORNIA BLACK SAGE	No. 1	165	②	②	I	4 Oz	-	1 Pkt	8 Oz	0.03	-	-	4	3	3	3	4	17	SHRUB ⑨
B	5	○	HETEROMELES ARBUTIFOLIA	TOYON	No. 5	77	②	②	I	4 Oz	-	2 Pkt	8 Oz	0.05	-	-	4	3	3	3	4	④	SHRUB
	6	⊕	MALOSMA LAURINA	LAURAL SUMAC	No. 5	39	②	②	I	4 Oz	-	2 Pkt	8 Oz	0.05	-	-	4	3	3	3	4	④	SHRUB
	7	◉	RHUS INTEGRIFOLIA	LEMONADE BERRY	No. 5	36	②	②	I	4 Oz	-	2 Pkt	8 Oz	0.05	-	-	4	3	3	3	4	④	SHRUB
U	8	⬠	PINUS TORREYANA	TORREY PINE	No. 15	20	②	②	I	8 Oz	-	5 Pkt	16 Oz	0.07	⑥	40	24	8	8	5	5	④	TREE

LEGEND:

EROSION CONTROL (TYPE 1) - EC (TYPE 1)
INCORPORATE MATERIALS
IMPORTED TOPSOIL-COMPOST-STRAW

EROSION CONTROL (TYPE 2) - EC (TYPE 2)
WEED GERMINATION
COMPOST
HYDROSEED

Exist PLANTING TO REMAIN

Exist TREE/SHRUB TO REMAIN

TFESA LPA — Temp FENCE (TYPE ESA)

LPA — LANDSCAPE PROTECTION AREA

ROCK MULCH

PLANT LIST AND EROSION CONTROL LEGEND

PL-1

REVISED BY | DATE REVISED
JOEL HORTIZUELA | STEVE WARREN
CALCULATED-DESIGNED BY | CHECKED BY
SENIOR LANDSCAPE ARCHITECT | STEPHEN ALVAREZ

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

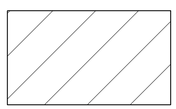
03-30-15
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 5442
Stephen P. Warren
SIGNED 10-31-16
RENEWAL DATE
DATE 02-24-15
STATE OF CALIFORNIA

EROSION CONTROL (TYPE 1)

SYMBOL	SEQUENCE	ITEM	MATERIAL DESCRIPTION	MATERIAL TYPE	APPLICATION RATE	REMARKS
	STEP 1	CLEARING AND GRUBBING	SEE LAYOUT PLANS		-	-
	STEP 2	ROADWAY EXCAVATION				
	STEP 3	IMPORTED TOPSOIL	TOPSOIL	IMPORTED	675 CY/ACRE	-
		COMPOST	COMPOST	MEDIUM	135 CY/ACRE	-
	STEP 4	INCORPORATE MATERIALS	TOPSOIL	-	-	INCORPORATE 12" DEPTH
			COMPOST	-	-	
	STEP 5	STRAW	STRAW	WHEAT	2 TONS/ACRE	WEED FREE
	STEP 6	INCORPORATE MATERIALS	STRAW	-	-	4" DEPTH PUNCHED

EROSION CONTROL (TYPE 2)

SYMBOL	SEQUENCE	ITEM	MATERIAL DESCRIPTION	MATERIAL TYPE	APPLICATION RATE	REMARKS
	STEP 1	IRRIGATION (VARIOUS)	SEE IRRIGATION PLANS		-	-
	STEP 2	COMPOST SOCK	MESH TUBE	8" DIAMETER	-	INSTALLATION TYPE 1
	STEP 3	WEED GERMINATION	SEE PLANTING PLANS		-	-
	STEP 4	PLANTING (VARIOUS)	SEE PLANTING PLANS		-	-
	STEP 5	COMPOST	COMPOST	MEDIUM	70 CY/ACRE	-
	STEP 6	HYDROSEED	FIBER	WOOD	2500 LB/ACRE	-
			TACKIFIER	PSYLLIUM	150 LB/ACRE	-
			SEED	MIX 1	26.5 LB/ACRE	-

SEED-MIX 1 (COASTAL SAGE SCRUB MIX)

BOTANICAL NAME (COMMON NAME)	PERCENT GERMINATION (MINIMUM)	POUNDS PURE LIVE SEED PER ACRE (SLOPE MEASUREMENT)
ARTEMISIA CALIFORNICA [1] (COASTAL SAGEBRUSH)	45	0.5
BACCHARIS SAROTHROIDES [1] (BROOM BACCHARIS)	30	0.5
CAMISSONIA CHERIANTHIFOLIA [1] (BEACH EVENING PRIMROSE)	40	2.0
ENCELIA CALIFORNICA [1] (BUSH SUNFLOWER)	45	3.0
ERIOGONUM FASCICULATUM [1] (CALIFORNIA BUCKWHEAT)	15	5.0
DEINANDRA FASCICULATA [1] (COMMON TARPLANT)	40	2.0
LASTHENIA CALIFORNICA [1] (GOLDFIELDS)	35	2.0
LOTUS SCOPARIUS [1] (DEERWEED)	70	4.0
NASELLA PULCHRA [1] PURPLE NEEDLEGRASS	60	6.0
SALVIA MELLIFERA [1] (BLACK SAGE)	35	1.5
	TOTAL	26.5

1 SEED SOURCES FROM SAN DIEGO AND ORANGE COUNTY ONLY

PLANT LIST AND EROSION CONTROL LEGEND

PL-2

REVISED BY | DATE REVISED
JOEL HORTIZUELA | STEVE WARREN
CALCULATED-DESIGNED BY | CHECKED BY
SENIOR LANDSCAPE ARCHITECT | STEPHEN ALVAREZ
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

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Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-30-15
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LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 5442
Stephen P. Warren
RENEWAL DATE 10-31-16
REGISTRATION DATE 02-24-15
STATE OF CALIFORNIA

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. BEFORE START OF WORK, INSTALL TEMPORARY FENCE (TYPE ESA) AT LANDSCAPE PROTECTION AREAS AS SHOWN. NO EQUIPMENT, MATERIAL STORAGE, VEHICLES OR ACCESS PATHS ARE ALLOWED WITHIN LANDSCAPE PROTECTION AREAS. LIMITED ACCESS TO LANDSCAPE PROTECTION AREAS IS ALLOWED FOR IRRIGATION AND PLANTING RELATED WORK OR AS AUTHORIZED BY THE ENGINEER. NOTIFY THE ENGINEER FIVE BUSINESS DAYS BEFORE PLANNED ENTRY.

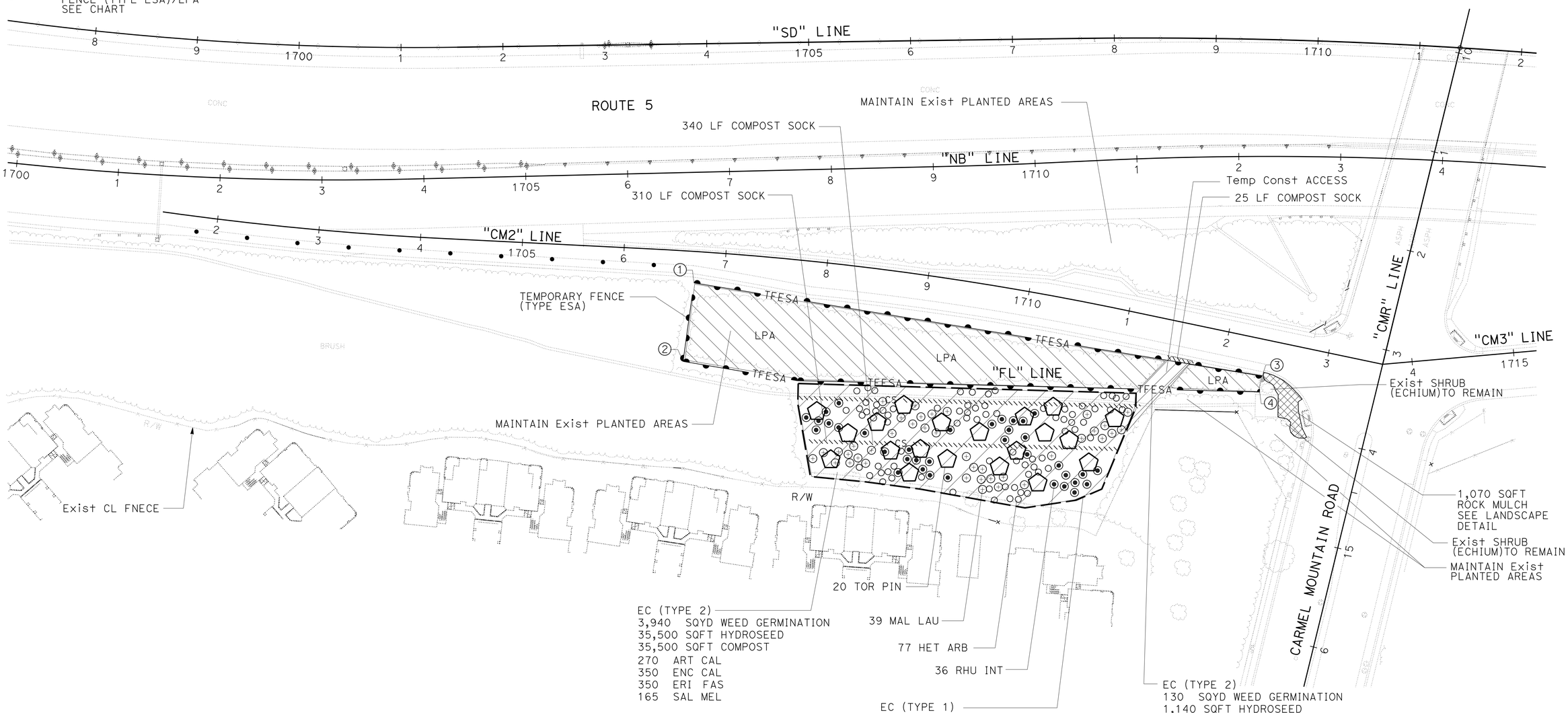
STATION/OFFSET FOR TEMPORARY FENCE (TYPE ESA) &LPA

LOCATION	STATION	LINE	LENGTH (LF)
①	1706 + 71.38 Rt	"CM2"	L= 33.02
②	1706 + 66.49 Rt	"CM2"	L= 106.95
③	1712 + 40.03 Rt	"CM2"	L= 35.82
④	1712 + 40.76 Rt	"CM2"	L= 51.20

LEGEND

① STATION/OFFSET FOR Temp FENCE (TYPE ESA)/LPA SEE CHART

SAN DIEGO



APPROVED FOR PLANTING AND EROSION WORK ONLY

PLANTING AND EROSION CONTROL PLAN

SCALE: 1" = 50'

PP-1

REVISED BY | DATE REVISED
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LAST REVISION | DATE PLOTTED => 27-MAR-2015
03-05-15 | TIME PLOTTED => 10:54

BORDER LAST REVISED 7/2/2010 | USERNAME => s127400 | DGN FILE => 1100000313su001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2816 | PROJECT NUMBER & PHASE 11000003131

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	31.7	17	32

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-30-15
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Stephen P. Warren
SIGNED
10-31-16
RENEWAL DATE
02-24-15
DATE
STATE OF CALIFORNIA

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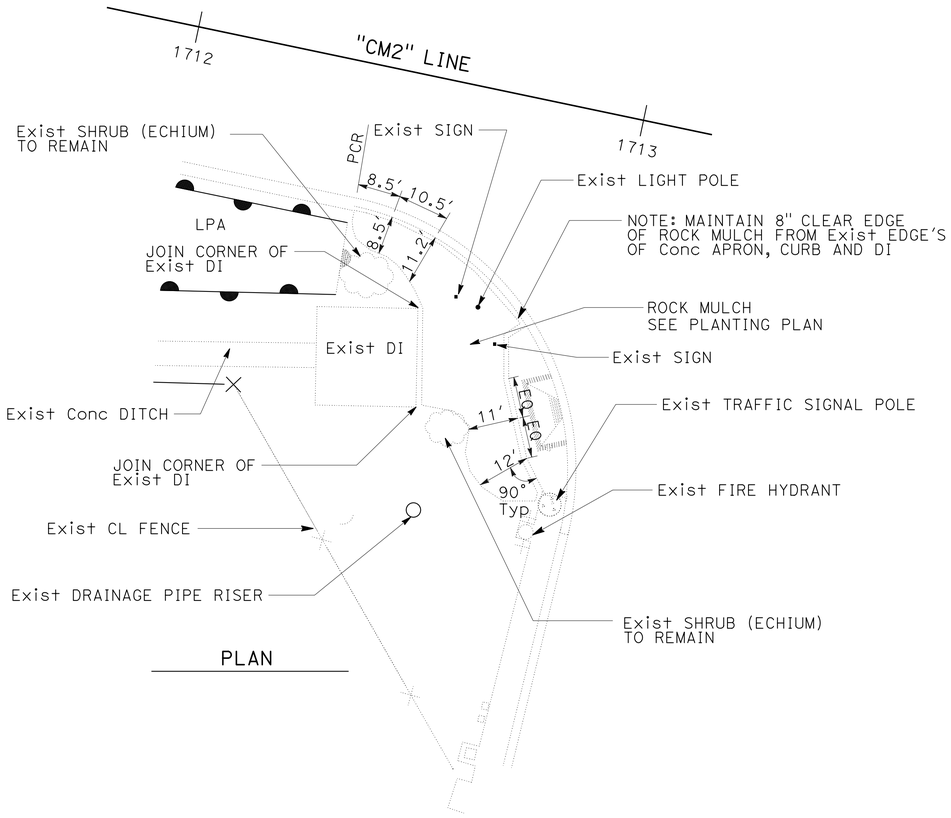
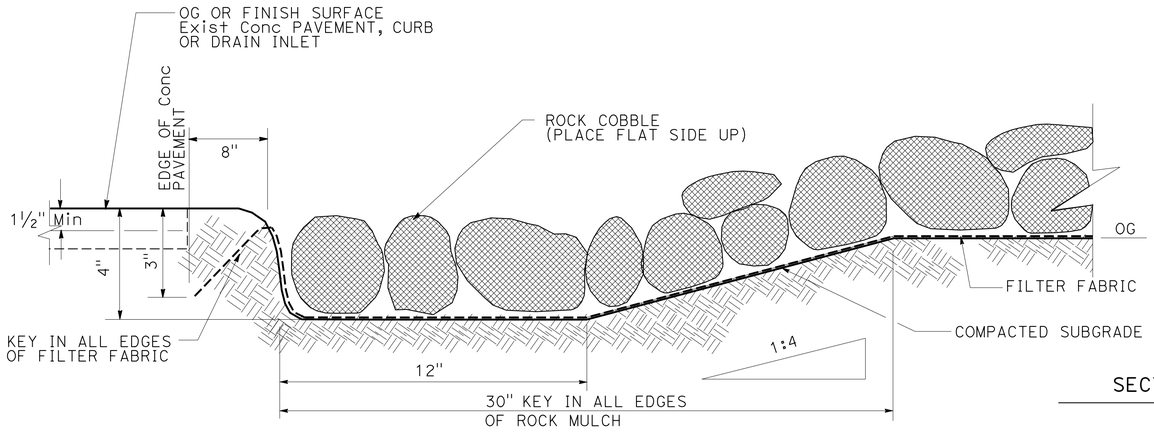


PLAN



SECTION

NOTE: ALL LABELS, NOTES, DIMENSIONS ON LEFT SIDE IS MIRRORED ON THIS RIGHT SIDE

ROCK MULCH

LANDSCAPE DETAILS

NO SCALE

LD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE
SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ
CALCULATED-DESIGNED BY: JOEL HORTIZUELA
CHECKED BY: STEVE WARREN
REVISED BY
DATE REVISED

LAST REVISION: DATE PLOTTED => 27-MAR-2015
03-05-15 TIME PLOTTED => 10:54

BORDER LAST REVISED 7/2/2010
USERNAME => s127400
DGN FILE => 1100000313sy001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 2816
PROJECT NUMBER & PHASE 11000003131

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	31.7	18	32

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-30-15
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 5442
Stephen P. Warren
10-31-16
02-24-15
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.

EROSION CONTROL

SHEET	DESCRIPTION	IMPORTED TOPSOIL	COMPOST	STRAW	INCORPORATE MATERIALS		HYDROSEED	COMPOST SOCK
		CY	SQFT	SQFT	SQFT		SQFT	LF
PP-1	EC TYPE 1	546	35,500	35,500	COMPOST	STRAW	-	-
					35,500	35,500		
	EC TYPE 2	-	36,640	-	-		36,640	-
	COMPOST SOCK	-	-	-	-		-	675
SUB-TOTAL		-	-	-	35,500	35,500	-	-
TOTAL		546	72,140	35,500	71,000		36,640	675

WEED GERMINATION

SHEET	SQYD
PP-1	4,070
TOTAL	4,070

ROCK MULCH

SHEET	SQFT
PP-1	1,070
TOTAL	1,070

TEMPORARY FENCE

LOCATION	TEMPORARY FENCE (TYPE ESA) (LF)
PP-1	1,261
TOTAL	1,261

REVISED BY | DATE REVISED
JOEL HORTIZUELA | STEVE WARREN
CALCULATED-DESIGNED BY | CHECKED BY
SENIOR LANDSCAPE ARCHITECT | STEPHEN ALVAREZ
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

LANDSCAPE QUANTITIES

NO SCALE

LQ-1

LAST REVISION 03-05-15
DATE PLOTTED => 27-MAR-2015
TIME PLOTTED => 10:54

BORDER LAST REVISED 7/2/2010
USERNAME => s127400
DGN FILE => 1100000313sz001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 2816
PROJECT NUMBER & PHASE 11000003131

M

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

N

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

O

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

P

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

P continued

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

Q

Qty	QUANTITY

R

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

S

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

T

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

T continued

TS	TRANSVERSE, TRAFFIC SIGNAL, TUBULAR STEEL
Typ	TYPICAL

U

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

V

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

W

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

X

X Sec	CROSS SECTION
Xing	CROSSING

Y

Yr	YEAR
Yrs	YEARS

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	31.7	19	32

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

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TO ACCOMPANY PLANS DATED 03-30-15

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.

REVISED STANDARD PLAN RSP A10B

2010 REVISED STANDARD PLAN RSP A10B

6-7-13

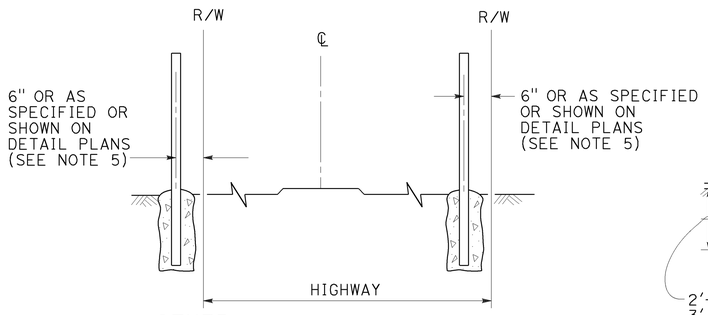
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	31.7	20	32

REGISTERED CIVIL ENGINEER

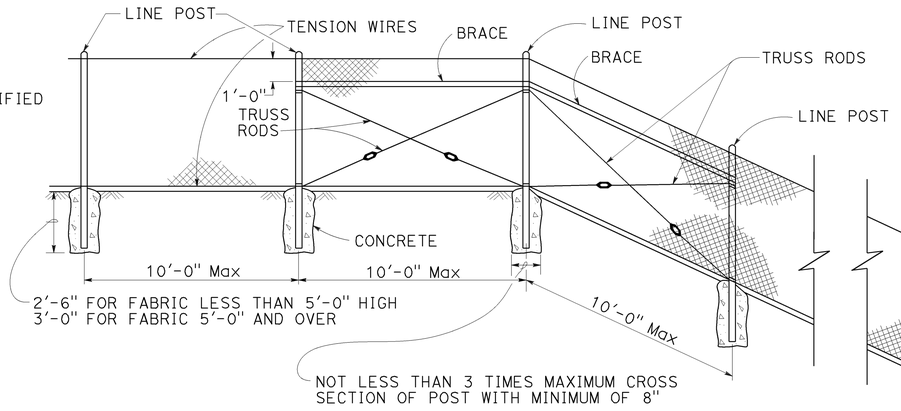
July 18, 2014
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Glenn DeCou — No. C34547 — Exp. 9-30-15 — CIVIL — STATE OF CALIFORNIA

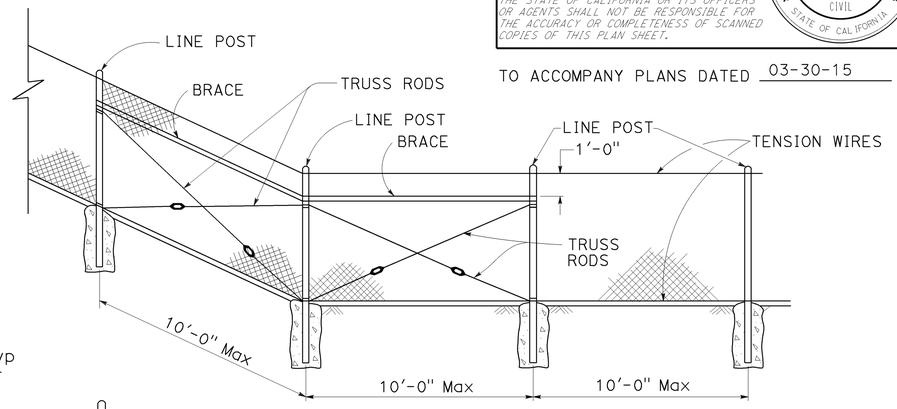
TO ACCOMPANY PLANS DATED 03-30-15

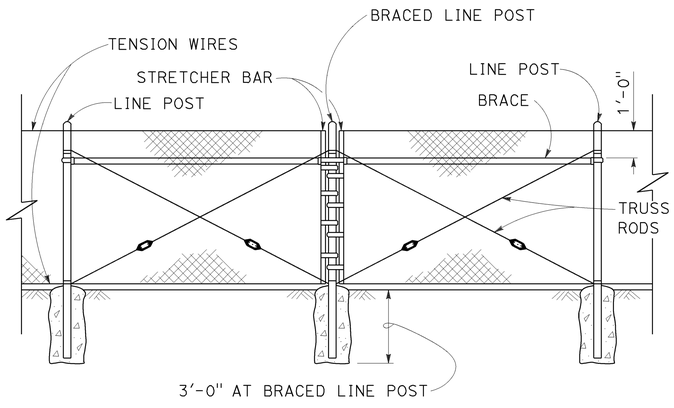


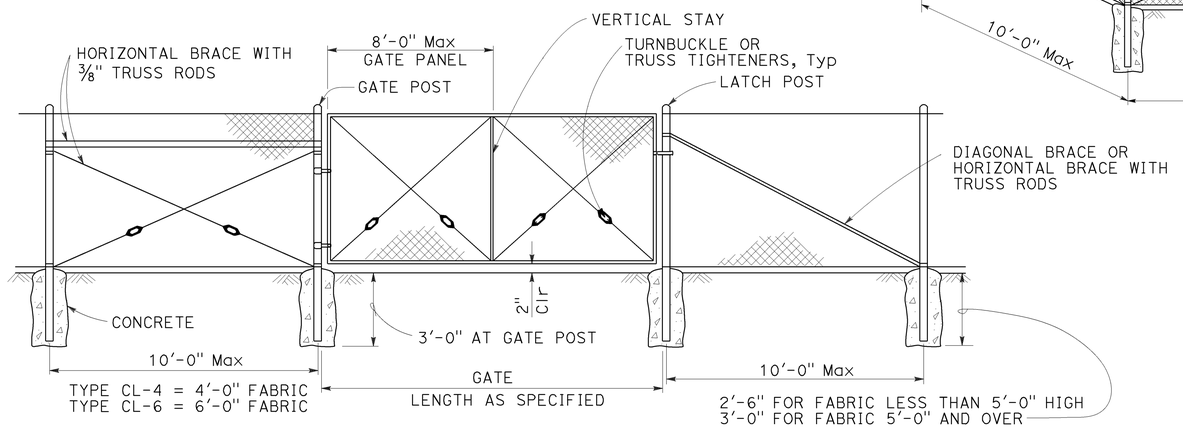
FENCE LOCATION



CHAIN LINK FENCE ON SHARP BREAK IN GRADE

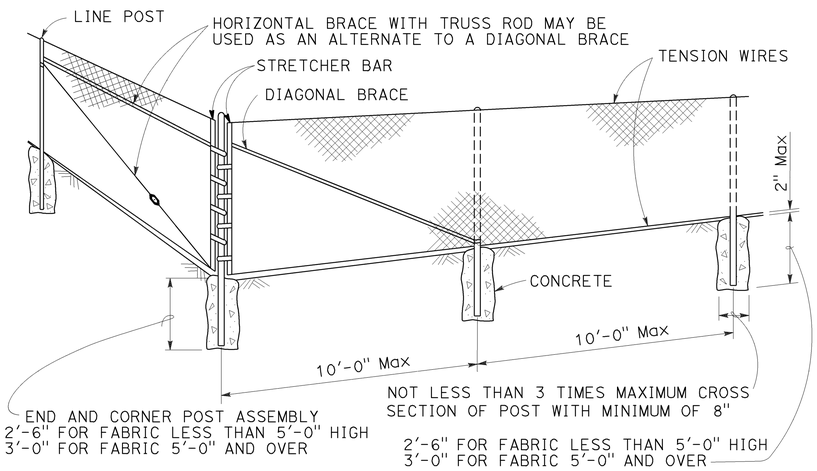






BRACED LINE POST INSTALLATION

Braced line post at intervals not exceeding 1000'



CORNER POST

CHAIN LINK GATE INSTALLATION

NOTES:

1. The table below shows minimum sized posts and braces complying with the specifications. Larger or heavier post and brace sizes may be used upon approval.
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 upon approval.
4. Options exercised shall be uniform on any one project.
5. 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.
6. See Revised Standard Plan RSP A85B for Brace, Stretcher Bar, and Truss Tightener Details.

GATE POST

FENCE HEIGHT	GATE WIDTHS	ROUND OD PIPE	WEIGHT (lb/ft)
6'-0" AND LESS	UP THRU 6'-0"	2.875"	5.80
	OVER 6'-0" THRU 12'-0"	4.500"	10.80
	OVER 12'-0" THRU 18'-0"	5.563"	14.63
	OVER 18'-0" TO 24'-0" Max	6.625"	18.99
OVER 6'-0" TO 8'-0" Max	UP THRU 6'-0"	3.500"	7.58
	OVER 6'-0" THRU 12'-0"	5.563"	14.63
	OVER 12'-0" THRU 18'-0"	6.625"	18.99
	OVER 18'-0" TO 24'-0" Max	8.625"	28.58

Above post dimensions and weights are minimums. Larger sizes may be used upon approval.

TYPICAL MEMBER DIMENSIONS (See Notes)

FENCE HEIGHT	LINE POSTS				END, LATCH AND CORNER POSTS		BRACES			
	ROUND OD PIPE	WEIGHT (lb/ft)	ROLL FORMED SECTION	ROLL FORMED WEIGHT (lb/ft)	ROUND OD PIPE	WEIGHT (lb/ft)	ROUND OD PIPE	WEIGHT (lb/ft)	ROLL FORMED SECTION	ROLL FORMED WEIGHT (lb/ft)
6'-0" AND LESS	1.900"	2.72	1.875" x 1.625"	1.85	2.375"	3.65	1.66"	2.27	1.625" x 1.25"	1.35
OVER 6'-0" TO 8'-0" Max	2.375"	3.65	2.25" x 1.70"	2.78	2.875"	5.80	1.66"	2.27	1.625" x 1.25"	1.35

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CHAIN LINK FENCE

NO SCALE

RSP A85 DATED JULY 18, 2014 SUPERSEDES STANDARD PLAN A85
DATED MAY 20, 2011 - PAGE 112 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A85

2010 REVISED STANDARD PLAN RSP A85

7-1-14

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	31.7	21	32

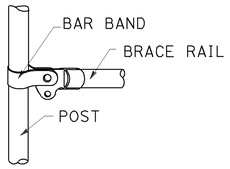
Glenn DeCou
REGISTERED CIVIL ENGINEER

October 19, 2012
PLANS APPROVAL DATE

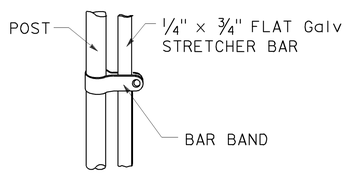
REGISTERED PROFESSIONAL ENGINEER
Glenn DeCou
No. C34547
Exp. 9-30-13
CIVIL
STATE OF CALIFORNIA

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.

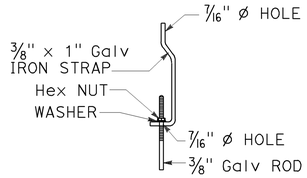
TO ACCOMPANY PLANS DATED 03-30-15



BRACE RAIL



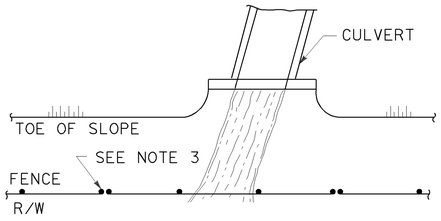
STRETCHER BAR



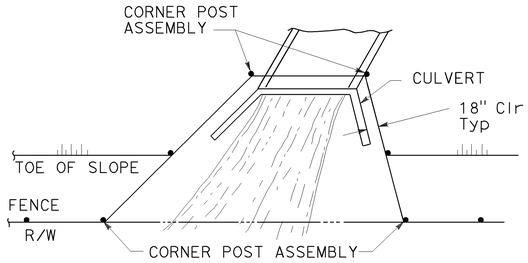
TRUSS TIGHTENER

NOTES:

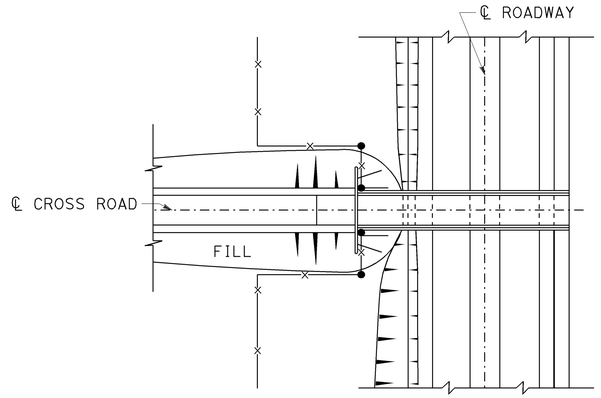
1. All material for abutment connection to be galvanized.
2. The chain link fabric shall be replaced by barbed wire strands at 12" maximum centers between the double posts.
3. When the width of the culvert makes it necessary to anchor a post to the top of the culvert, a cast iron shoe or other device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



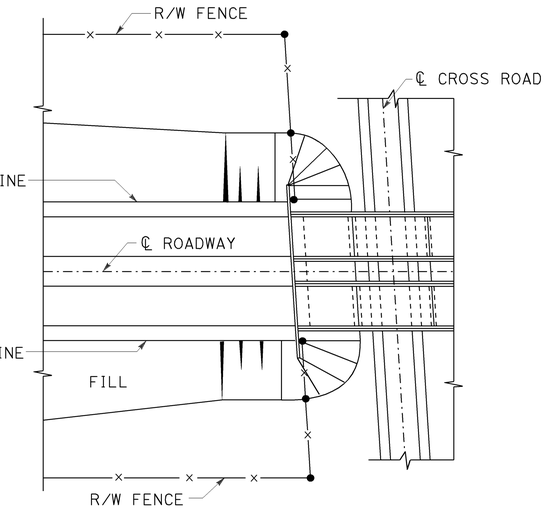
PLAN



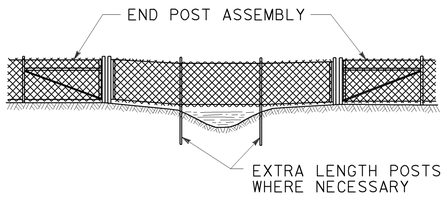
PLAN



PLAN OF ROADWAY - OVERCROSSING

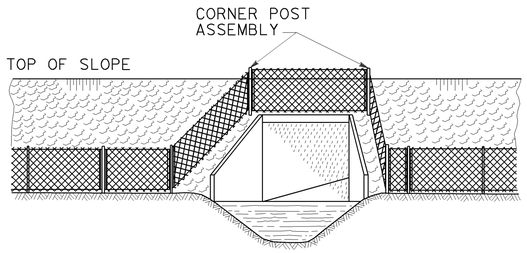


PLAN OF ROADWAY - UNDERCROSSING



ELEVATION

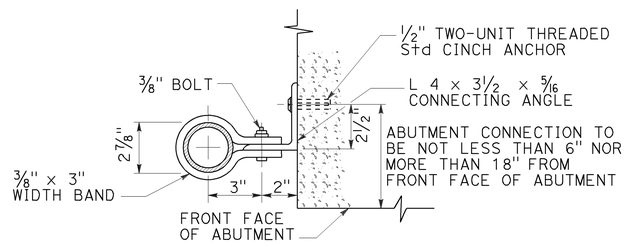
INSTALLATION OVER STREAM



ELEVATION

INSTALLATION AROUND HEADWALL

See Note 4



ABUTMENT CONNECTION

TYPICAL INSTALLATION AT BRIDGES

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CHAIN LINK FENCE DETAILS

NO SCALE

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

REVISED STANDARD PLAN RSP A85B

2010 REVISED STANDARD PLAN RSP A85B

7-19-12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	31.7	22	32

Gregory A. Balzer
LICENSED LANDSCAPE ARCHITECT

July 19, 2013
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
Gregory A. Balzer 2015
10
Expiration Date
2-28-15
Renewal Date
7-19-13
Date
STATE OF CALIFORNIA

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TO ACCOMPANY PLANS DATED 03-30-15

A

AB	AGGREGATE BASE
ABS	ACRYLONITRILE-BUTADIENE-STYRENE
AC	ASPHALT CONCRETE
ACC	ARMOR-CLAD CONDUCTORS
Adj	ADJACENT/ADJUSTABLE
AIC	AUXILIARY IRRIGATION CONTROLLER
Alt	ALTERNATIVE
AMEND	AMENDMENT
ARV	AIR RELEASE VALVE
AUTO	AUTOMATIC
AUX	AUXILIARY
AVB	ATMOSPHERIC VACUUM BREAKER

B

B&B	BALLED AND BURLAPPED
B/B	BRASS/BRONZE
B/B/PL	BRASS/BRONZE/PLASTIC
B/PL	BRASS/PLASTIC
BFM	BONDED FIBER MATRIX
Bit Ctd	BITUMINOUS COATED
BP	BOOSTER PUMP
BPA	BACKFLOW PREVENTER ASSEMBLY
BPE	BACKFLOW PREVENTER ENCLOSURE
BV	BALL VALVE

C

C	CONDUIT
CAP	CORRUGATED ALUMINUM PIPE
CARV	COMBINATION AIR RELEASE VALVE
CB	COUPLING BAND
CCA	CAM COUPLER ASSEMBLY
CEC	CONTROLLER ENCLOSURE CABINET
CHDPE	CORRUGATED HIGH DENSITY POLYETHYLENE
CL	CHAIN LINK
CNC	CONTROL AND NEUTRAL CONDUCTORS
Conc	CONCRETE
CP	COPPER PIPE
CS	COMPOST SOCK
CSP	CORRUGATED STEEL PIPE
CST	CENTER STRIP
CV	CHECK VALVE

D

Dia	DIAMETER
DIP	DUCTILE IRON PIPE
DIT	DRIP IRRIGATION TUBING
DG	DECOMPOSED GRANITE
DN	DIAMETER NOMINAL
DVA	DRIP VALVE ASSEMBLY

E

EC	EROSION CONTROL
ECTC	EROSION CONTROL TECHNOLOGY COUNCIL
Elect	ELECTRIC/ELECTRICAL
Elev	ELEVATION
ELL	ELBOW
ENCL	ENCLOSURE
EP	EDGE OF PAVEMENT
ES	EDGE OF SHOULDER
EST	END STRIP
ESTB	ESTABLISHMENT
ETW	EDGE OF TRAVELED WAY

F

F	FULL CIRCLE
F/P	FULL/PART CIRCLE
FCV	FLOW CONTROL VALVE
FERT	FERTILIZER
FG	FINISHED GRADE
FH	FLEXIBLE HOSE
FIPT	FEMALE IRON PIPE THREAD
FIS	FERTILIZER INJECTOR SYSTEM
FL	FLOW LINE
FR	FIBER ROLL
FS	FLOW SENSOR
FSC	FLOW SENSOR CABLE
FV	FLUSH VALVE

G

Galv	GALVANIZED
GARV	GARDEN VALVE
GARVA	GARDEN VALVE ASSEMBLY
GM	GRAVEL MULCH
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GSP	GALVANIZED STEEL PIPE
GV	GATE VALVE

H

H	HALF CIRCLE
HDPE	HIGH DENSITY POLYETHYLENE
HP	HORSEPOWER/HINGE POINT
HPL	HIGH PRESSURE LINE
Hwy	HIGHWAY

I

IC	IRRIGATION CONTROLLER
ICC	IRRIGATION CONTROLLER(S) IN CONTROLLER ENCLOSURE CABINET
ID	INSIDE DIAMETER
IFS	IRRIGATION FILTRATION SYSTEM
IPS	IRON PIPE SIZE
IPT	IRON PIPE THREAD
Irr	IRRIGATION

L

L	LENGTH

M

Max	MAXIMUM
MBGR	METAL BEAM GUARD RAILING
MCV	MANUAL CONTROL VALVE
MIC	MASTER IRRIGATION CONTROLLER
Min	MINIMUM
MIPT	MALE IRON PIPE THREAD
Misc	MISCELLANEOUS
Mtl	MATERIAL
MVP	MAINTENANCE VEHICLE PULLOUT

N

NCN	NO COMMON NAME
NL	NOZZLE LINE
No.	NUMBER
NPT	NATIONAL PIPE THREAD

O

O/C	ON CENTER
OD	OUTSIDE DIAMETER
OL	OVERLAP

P

P	PART CIRCLE
PB	PULL BOX
PCC	PORTLAND CEMENT CONCRETE
PE	POLYETHYLENE
Pkt	PACKET
PL	PLASTIC
PLS	PURE LIVE SEED
PLT	PLANT/PLANTING
PLT ESTB	PLANT ESTABLISHMENT
PM	POST MILE
PR	PRESSURE RATED
PRLV	PRESSURE RELIEF VALVE
PRV	PRESSURE REGULATING VALVE
PVC	POLYVINYL CHLORIDE
Pvmt	PAVEMENT

Q

Q	QUARTER CIRCLE
QCV	QUICK COUPLING VALVE

NOTE:
For additional abbreviations, see Standard Plans A10A and A10B.

R

R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RCV	REMOTE CONTROL VALVE
RCVM	REMOTE CONTROL VALVE (MASTER)
RCVMF	REMOTE CONTROL VALVE (MASTER) W/FLOW SENSOR
RCVP	REMOTE CONTROL VALVE W/PRESSURE REGULATOR
RCW	RECYCLED WATER
RECP	ROLLED EROSION CONTROL PRODUCT
REQ	REQUIRED
RICS	REMOTE IRRIGATION CONTROL SYSTEM
R/W	RIGHT OF WAY

S

S	SLIP
SCH	SCHEDULE
SF	STATE-FURNISHED
Shld	SHOULDER
Sq	SQUARE
SST	SIDE STRIP
Sta	STATION
Std	STANDARD
SW	SIDEWALK/SOUND WALL

T

T	THIRD CIRCLE/THREAD
TLS	TRUCK LOADING STANDPIPE
TQ	THREE QUARTER CIRCLE
TRM	TURF REINFORCEMENT MAT
TT	TWO-THIRDS CIRCLE
TWSA	TREE WELL SPRINKLER ASSEMBLY
Typ	TYPICAL

U

UG	UNDERGROUND

W

W	WIDTH
W/	WITH
WM	WATER METER
WS	WYE STRAINER
WSA	WYE STRAINER ASSEMBLY
WSP	WELDED STEEL PIPE
WWM	WELDED WIRE MESH

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

LANDSCAPE AND EROSION CONTROL ABBREVIATIONS

NO SCALE

RSP H1 DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN H1
DATED MAY 20, 2011 - PAGE 218 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP H1

2010 REVISED STANDARD PLAN RSP H1

6-28-13

EXISTING	NEW	ITEM DESCRIPTION
		WATER METER (WM)
		BACKFLOW PREVENTER ASSEMBLY (BPA)
		BACKFLOW PREVENTER ENCLOSURE (BPE)
		BOOSTER PUMP (BP)
		TRUCK LOADING STANDPIPE (TLS)
	FS	FLOW SENSOR (FS)
		MASTER IRRIGATION CONTROLLER (MIC)
		AUXILIARY IRRIGATION CONTROLLER (AIC)
		IRRIGATION CONTROLLER (IC) IRRIGATION CONTROLLER (IC) (BATTERY) IRRIGATION CONTROLLER (IC) (SOLAR) IRRIGATION CONTROLLER (IC) (TWO WIRE) IRRIGATION CONTROLLER(S) IN CONTROLLER ENCLOSURE CABINET (ICC)
acc	ACC	ARMOR-CLAD CONDUCTORS (ACC)
cnc	CNC	CONTROL AND NEUTRAL CONDUCTORS (CNC)
		IRRIGATION CONDUIT
		EXTEND IRRIGATION CONDUIT
dip	DIP	DUCTILE IRON PIPE (SUPPLY LINE) (MAIN) (DIP)
		GALVANIZED STEEL PIPE (SUPPLY LINE) (MAIN) (GSP)
		GALVANIZED STEEL PIPE (SUPPLY LINE) (LATERAL) (GSP)
		PLASTIC PIPE (SUPPLY LINE) (MAIN)
		PLASTIC PIPE (SUPPLY LINE) (LATERAL)
cp	CP	COPPER PIPE (SUPPLY LINE)
dit	DIT	DRIP IRRIGATION TUBING
		REMOTE CONTROL VALVE (RCV) REMOTE CONTROL VALVE (MASTER) (RCVM) REMOTE CONTROL VALVE (MASTER) W/FLOW METER (RCVMF)
	P	REMOTE CONTROL VALVE W/PRESSURE REGULATOR (RCVP)
		EXISTING MANUAL CONTROL VALVE (MCV)
	V	DRIP VALVE ASSEMBLY (DVA)
	Y	WYE STRAINER ASSEMBLY (WSA)

EXISTING	NEW	ITEM DESCRIPTION
		GATE VALVE (GV)
		BALL VALVE (BV)
		QUICK COUPLING VALVE (QCV)
		CAM COUPLER ASSEMBLY (CCA)
		GARDEN VALVE ASSEMBLY (GARVA)
		PRESSURE REGULATING VALVE (PRV)
		PRESSURE RELIEF VALVE (PRLV)
		FLOW CONTROL VALVE (FCV)
		COMBINATION AIR RELEASE VALVE (CARV)
		CHECK VALVE (CV)
		FLUSH VALVE (FV)
		EXISTING NOZZLE LINE W/TURNING UNION
		EXISTING IRRIGATION SYSTEM
		EXISTING IRRIGATION SYSTEM TO BE REMOVED
		CHAIN LINK GATE
		QUICK COUPLING VALVE W/SPRINKLER PROTECTOR
3	3	SPRINKLER W/SPRINKLER PROTECTOR
	C	CONNECT TO EXISTING SYSTEM
		CAP
		CAP EXISTING
	FR	FIBER ROLL
	CS	COMPOST SOCK

RCV SIZE
IRRIGATION CONTROLLER
CONTROLLER STATION
VALVE IN PARALLEL (IF APPLICABLE)
GPM
QUANTITY OF SPRINKLERS (WHEN SHOWN)

* $2\frac{1}{2}$"-A-2b-40-60

VALVE CODE

* VALVE CODES FOR EXISTING VALVES ARE SHOWN IN A DASHED ENCLOSURE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	31.7	23	32

LICENSED LANDSCAPE ARCHITECT

November 15, 2013
PLANS APPROVAL DATE

Gregory A. Balzer 2576 — 10-31-14 — 2-28-15 Renewal Date — 11-15-13 Date — LICENSED LANDSCAPE ARCHITECT — 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 03-30-15

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

LANDSCAPE AND EROSION CONTROL SYMBOLS

NO SCALE

RSP H2 DATED NOVEMBER 15, 2013 SUPERSEDES RSP H2 DATED JULY 19, 2013 AND STANDARD PLAN H2 DATED MAY 20, 2011 - PAGE 219 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP H2

2010 REVISED STANDARD PLAN RSP H2

10-9-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	31.7	24	32

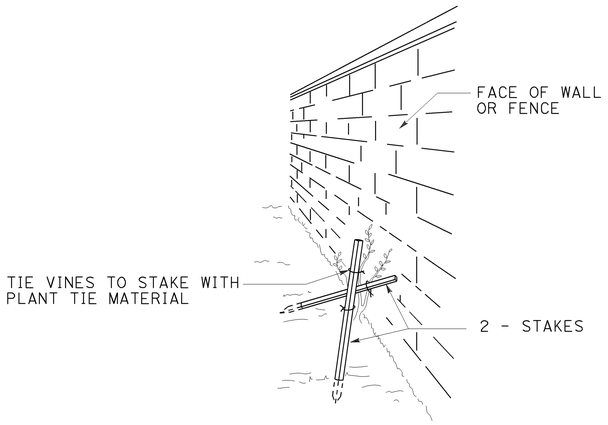
Gregory A. Balzer
LICENSED LANDSCAPE ARCHITECT

July 19, 2013
PLANS APPROVAL DATE

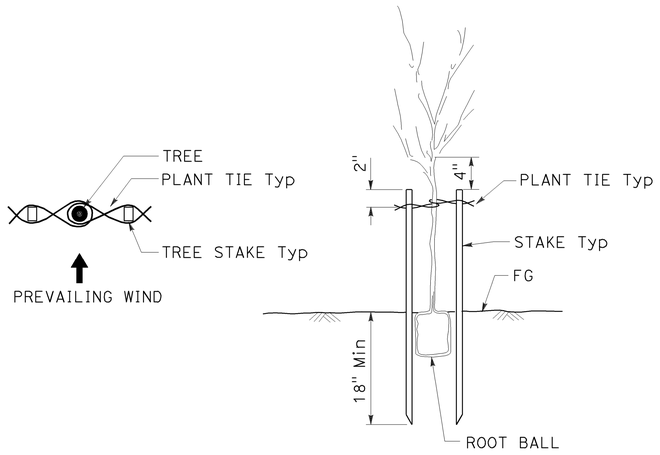
LICENSED LANDSCAPE ARCHITECT
Gregory A. Balzer 2515
09
Renewal Date
2-28-15
Renewal Date
7-19-13
Date
STATE OF CALIFORNIA

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.

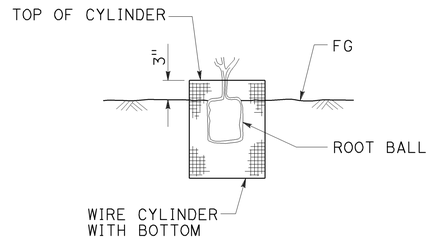
TO ACCOMPANY PLANS DATED 03-30-15



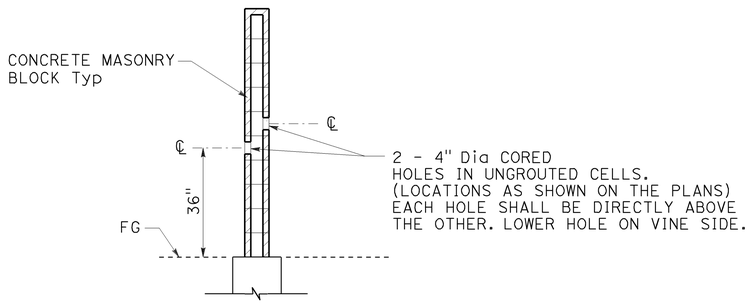
PERSPECTIVE
VINE STAKING



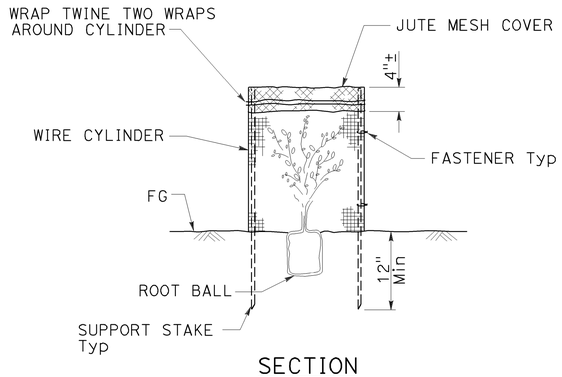
TREE STAKING



SECTION
ROOT PROTECTOR



SECTION
CORE HOLE (VINE)



SECTION
FOLIAGE PROTECTOR

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

LANDSCAPE DETAILS

NO SCALE

RSP H4 DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN H4
DATED MAY 20, 2011 - PAGE 221 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP H4

2010 REVISED STANDARD PLAN RSP H4

6-28-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	31.7	25	32

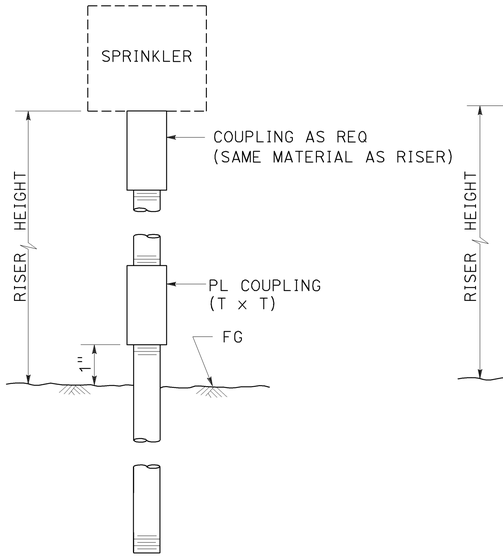
Gregory A Balzer
LICENSED LANDSCAPE ARCHITECT

July 19, 2013
PLANS APPROVAL DATE

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

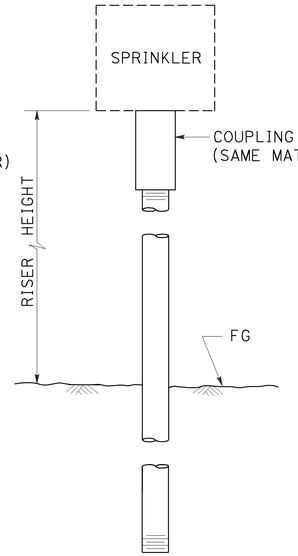
LICENSED LANDSCAPE ARCHITECT
Gregory A. Balzer 2515
10 Renewal Date 2-28-15
Renewal Date 7-19-13
Date
STATE OF CALIFORNIA

TO ACCOMPANY PLANS DATED 03-30-15



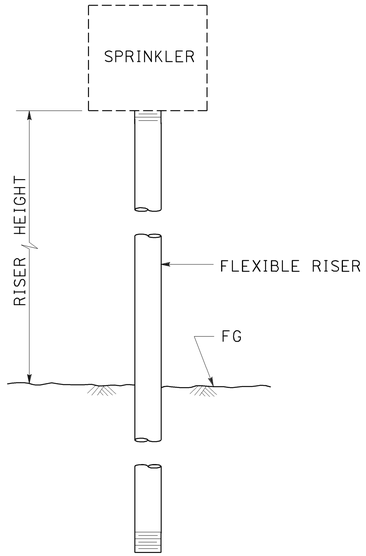
ELEVATION

RISER SPRINKLER
ASSEMBLY TYPE I



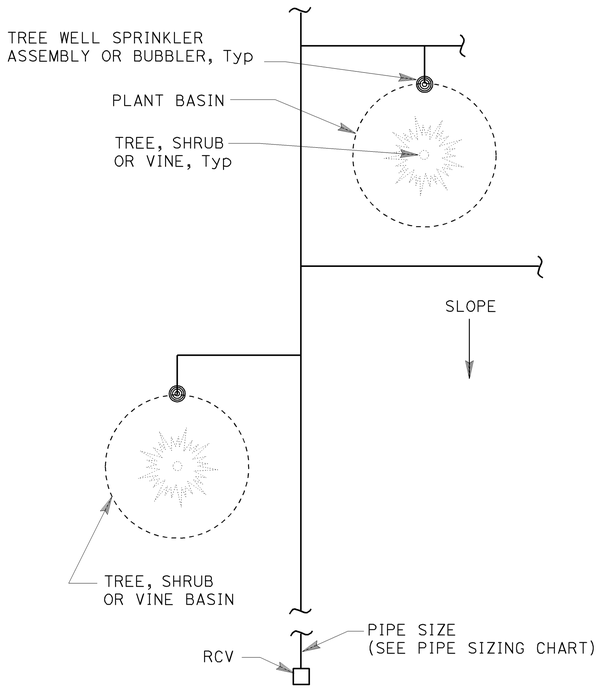
ELEVATION

RISER SPRINKLER
ASSEMBLY TYPE II



ELEVATION

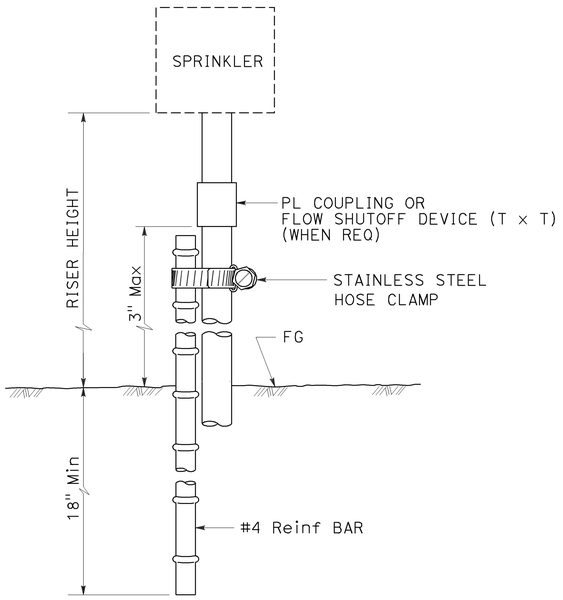
RISER SPRINKLER
ASSEMBLY TYPE III



PLAN

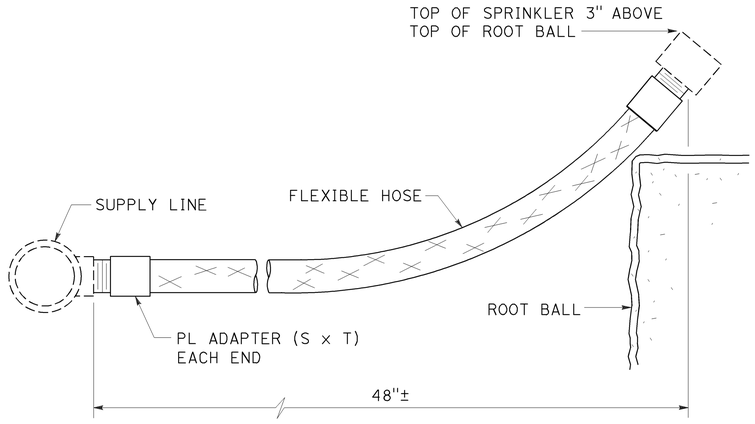
NOTES:

1. Install tree well sprinkler assembly on up-hill side of plant when on slope.
2. Install bubbler within basin.



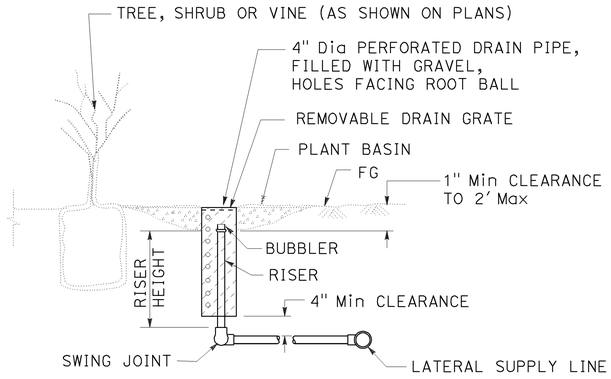
ELEVATION

RISER SPRINKLER
ASSEMBLY TYPE IV



ELEVATION

RISER SPRINKLER
ASSEMBLY TYPE V



SECTION

TREE WELL SPRINKLER ASSEMBLY

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

LANDSCAPE DETAILS

NO SCALE

RSP H5 DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN H5
DATED MAY 20, 2011 - PAGE 222 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP H5

2010 REVISED STANDARD PLAN RSP H5

6-28-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	31.7	26	32

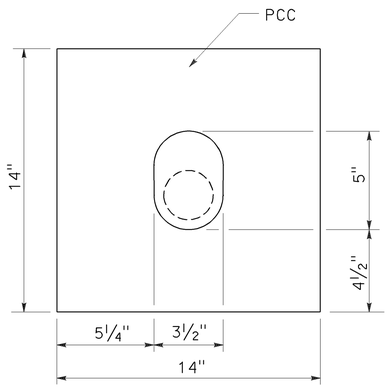
Gregory A. Balzer
LICENSED LANDSCAPE ARCHITECT

July 19, 2013
PLANS APPROVAL DATE

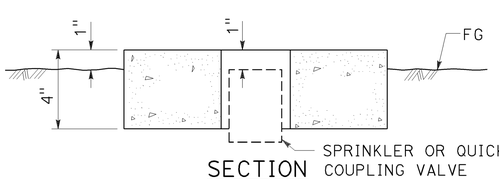
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

LICENSED LANDSCAPE ARCHITECT — Gregory A. Balzer 2515 — 10-31-14 Renewal Date — 2-28-15 Renewal Date — 7-19-13 Date — STATE OF CALIFORNIA

TO ACCOMPANY PLANS DATED 03-30-15

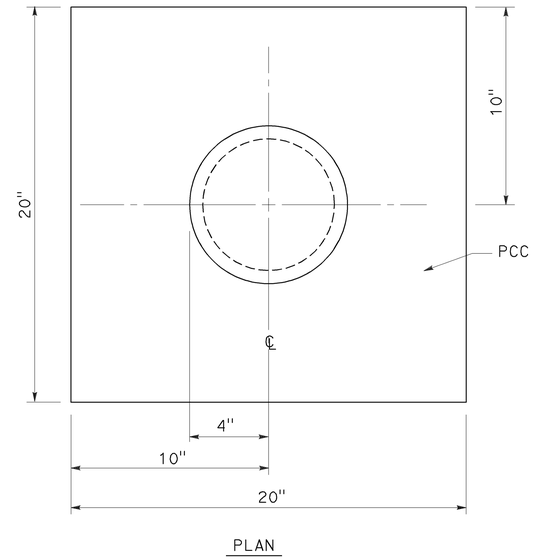


PLAN

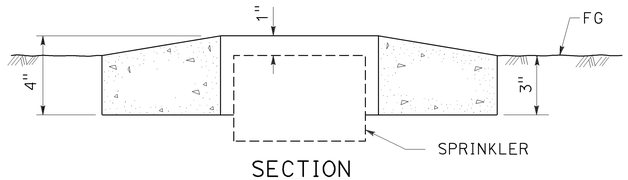


SECTION

SPRINKLER PROTECTOR TYPE I

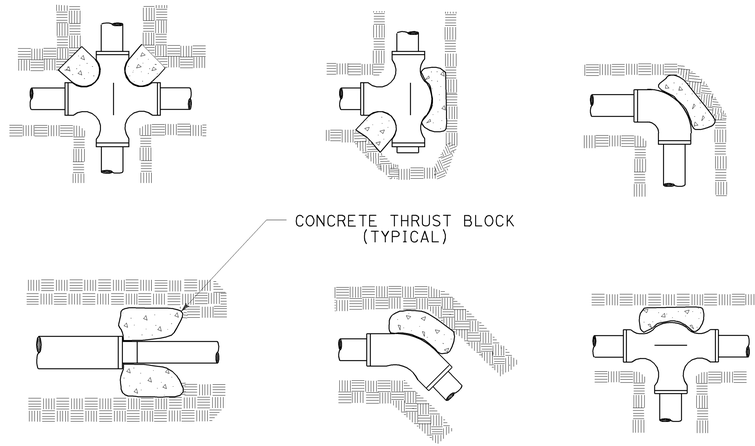


PLAN

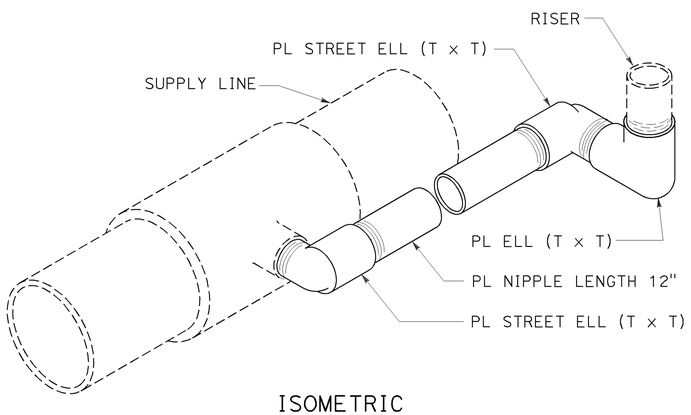


SECTION

SPRINKLER PROTECTOR TYPE II

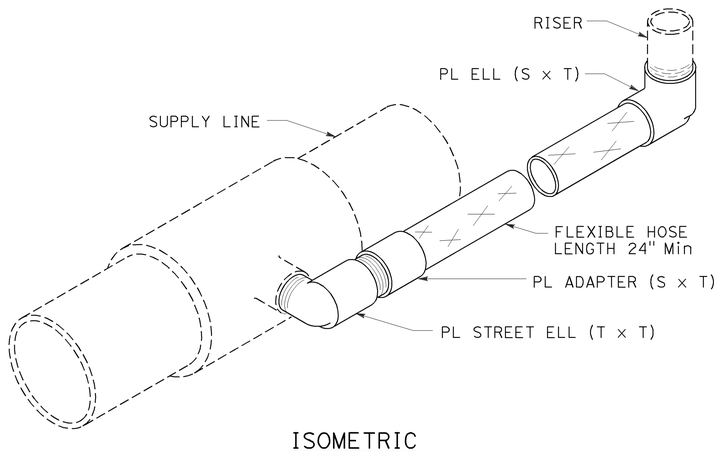


TYPICAL THRUST BLOCKS



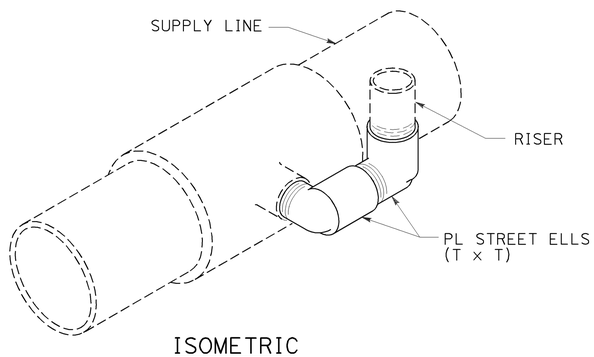
ISOMETRIC

POP-UP SPRINKLER ASSEMBLY TYPE I



ISOMETRIC

POP-UP SPRINKLER ASSEMBLY TYPE II



ISOMETRIC

POP-UP SPRINKLER ASSEMBLY TYPE III

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

LANDSCAPE DETAILS

NO SCALE

RSP H6 DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN H6
DATED MAY 20, 2011 - PAGE 223 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP H6

2010 REVISED STANDARD PLAN RSP H6

6-28-13

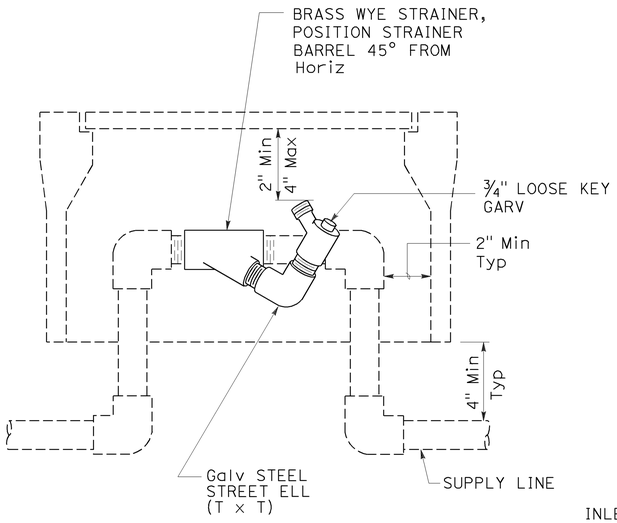
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	31.7	27	32

LICENSED LANDSCAPE ARCHITECT

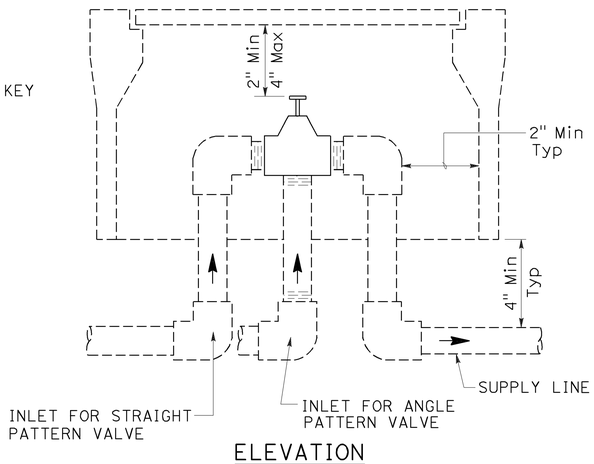
July 19, 2013
PLANS APPROVAL DATE

Gregory A. Balzer 2516 — LICENSED LANDSCAPE ARCHITECT — STATE OF CALIFORNIA
Date 2-28-15
Renewal Date 7-19-13
Date

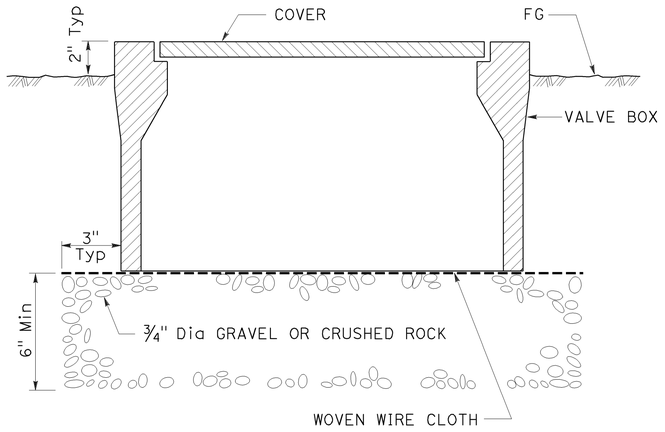
TO ACCOMPANY PLANS DATED 03-30-15



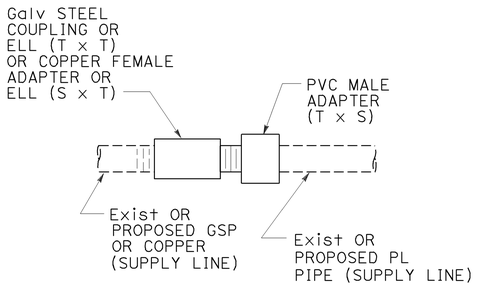
ELEVATION
WYE STRAINER ASSEMBLY



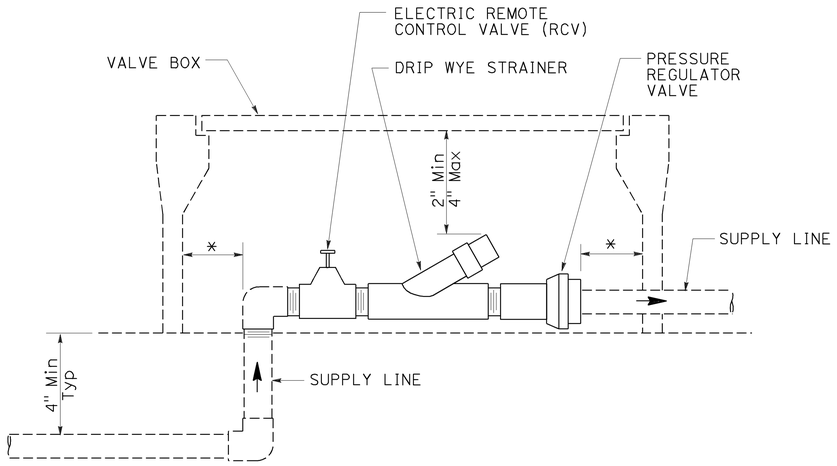
ELEVATION
VALVE



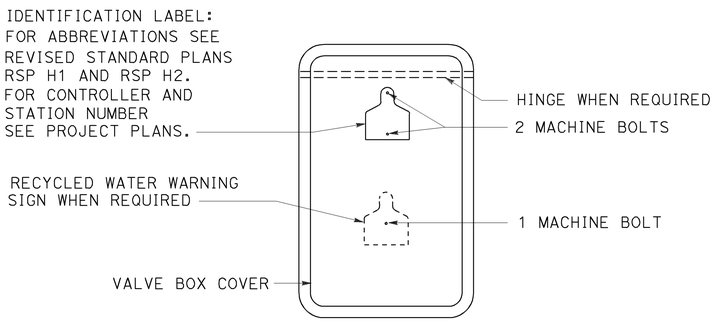
SECTION
VALVE BOX



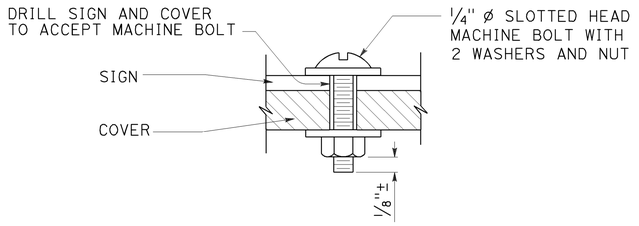
GALVANIZED OR COPPER PIPE CONNECTION TO PLASTIC PIPE



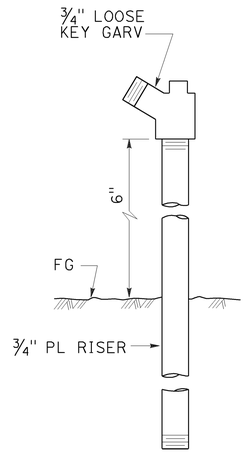
ELEVATION
DRIP VALVE ASSEMBLY



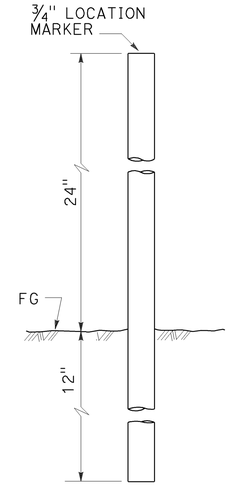
PLAN



SECTION
VALVE BOX IDENTIFICATION



ELEVATION
GARDEN VALVE ASSEMBLY



ELEVATION
LOCATION MARKER

GARDEN VALVE ASSEMBLY

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

LANDSCAPE DETAILS

NO SCALE

RSP H7 DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN H7 DATED MAY 20, 2011 - PAGE 224 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP H7

2010 REVISED STANDARD PLAN RSP H7

6-20-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	31.7	28	32

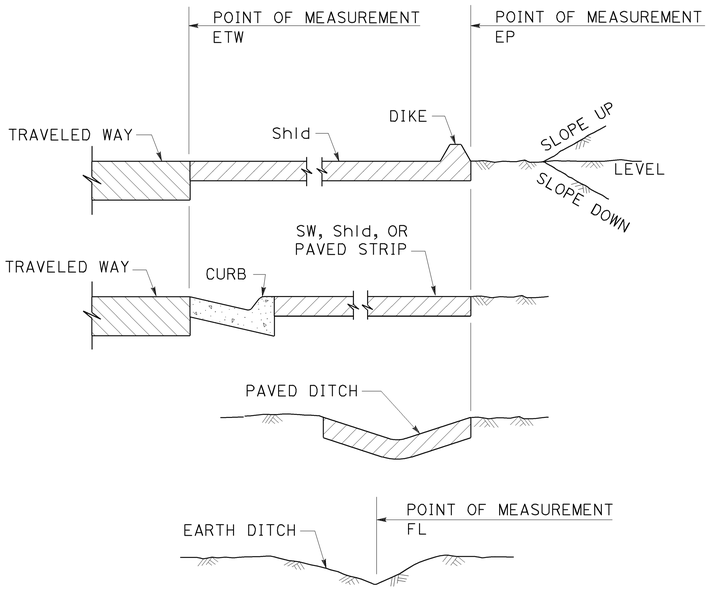
LICENSED LANDSCAPE ARCHITECT

July 19, 2013
PLANS APPROVAL DATE

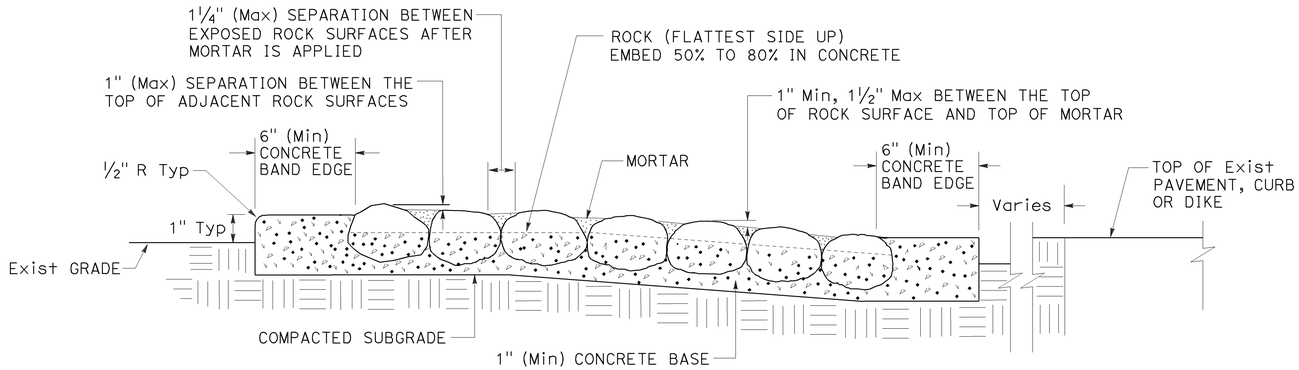
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

LICENSED LANDSCAPE ARCHITECT
Gregory A. Balzer 2576
10-31-14
Renewal Date
2-28-15
Renewal Date
7-19-13
Date
STATE OF CALIFORNIA

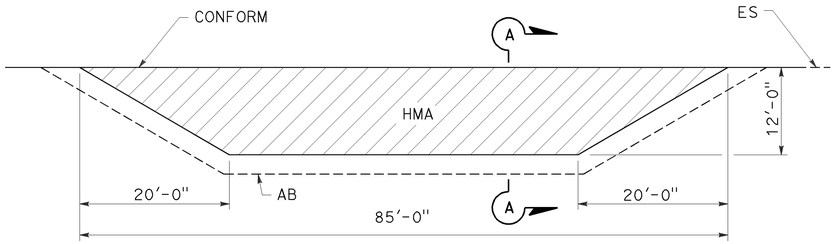
TO ACCOMPANY PLANS DATED 03-30-15



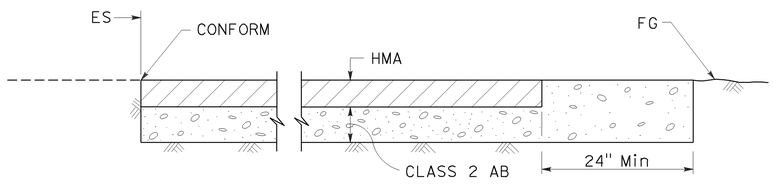
SECTION
POINTS OF MEASUREMENT



SECTION
ROCK BLANKET



PLAN



SECTION A-A
MAINTENANCE VEHICLE PULLOUT

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

LANDSCAPE DETAILS

NO SCALE

RSP H9A DATED JULY 19, 2013 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP H9A

2010 REVISED STANDARD PLAN RSP H9A

6-21-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	31.7	29	32

REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Gurinderpal Bhullar
No. C48815
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 03-30-15

TABLE 1

TAPER LENGTH CRITERIA AND CHANNELIZING DEVICE SPACING

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

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

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

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

TABLE 2

LONGITUDINAL BUFFER SPACE AND FLAGGER STATION SPACING

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

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

** - Longitudinal buffer space or flagger station spacing

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

TABLE 3

ADVANCE WARNING SIGN SPACING

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

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

2010 REVISED STANDARD PLAN RSP T9

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM TABLES FOR LANE AND RAMP CLOSURES

NO SCALE

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

REVISED STANDARD PLAN RSP T9

4-30-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	31.7	30	32

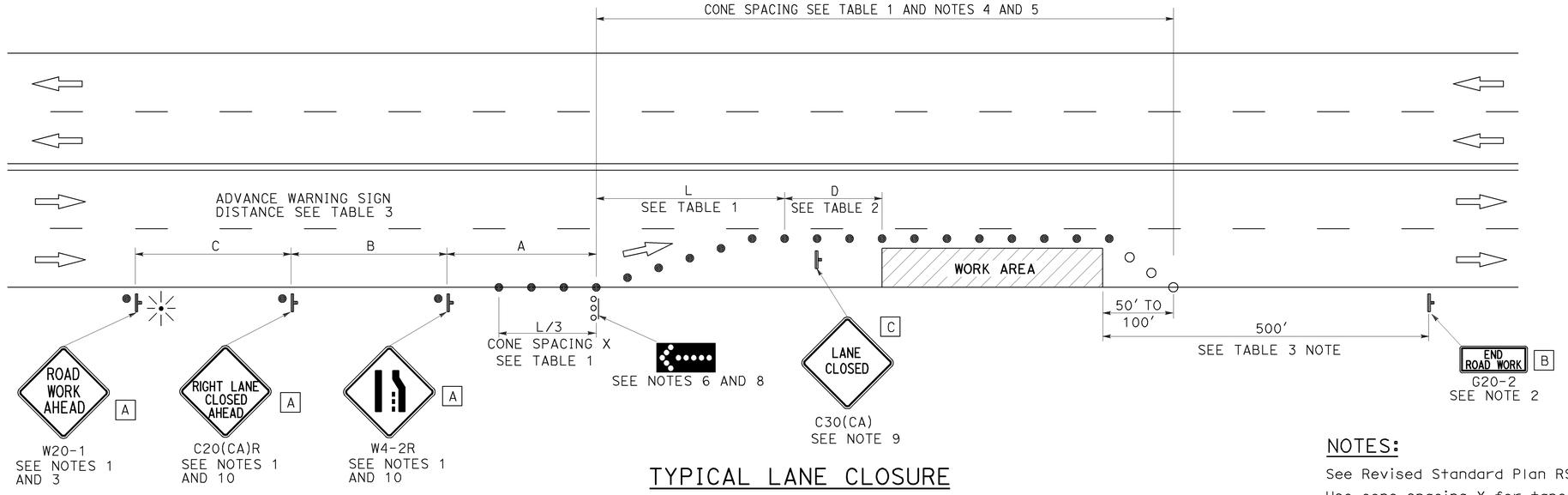
REGISTERED CIVIL ENGINEER

April 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Gurinderpal Bhullar
No. C48815
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 03-30-15



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 approriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.

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

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

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" × 48"
- B 36" × 18"
- C 30" × 30"

NOTES:

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON MULTILANE CONVENTIONAL HIGHWAYS

NO SCALE

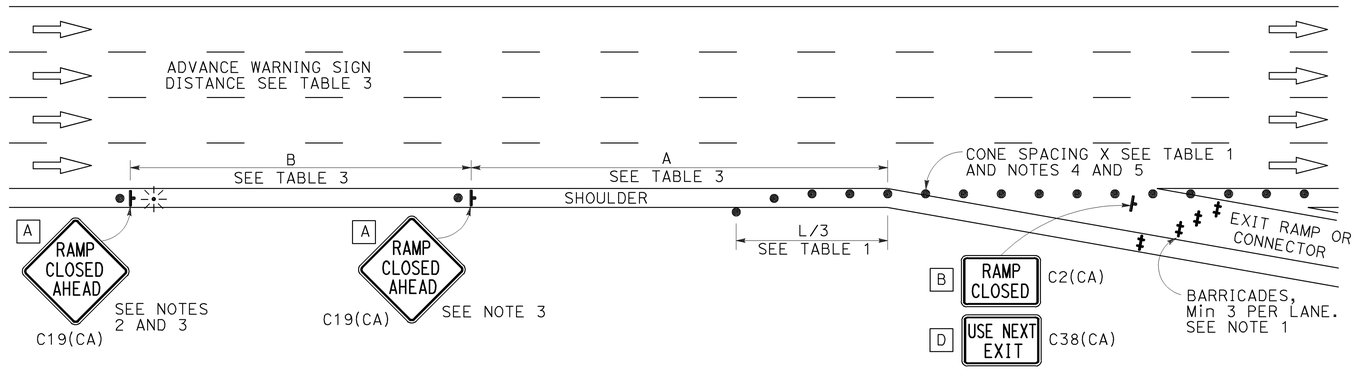
RSP T11 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T11 DATED MAY 20, 2011 - PAGE 239 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T11

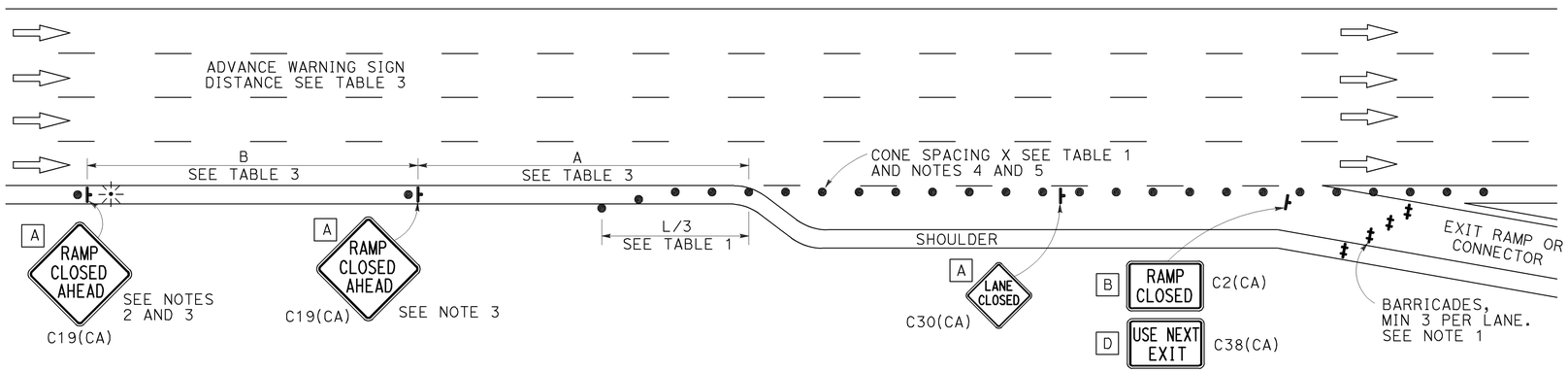
2010 REVISED STANDARD PLAN RSP T11

4-2-13

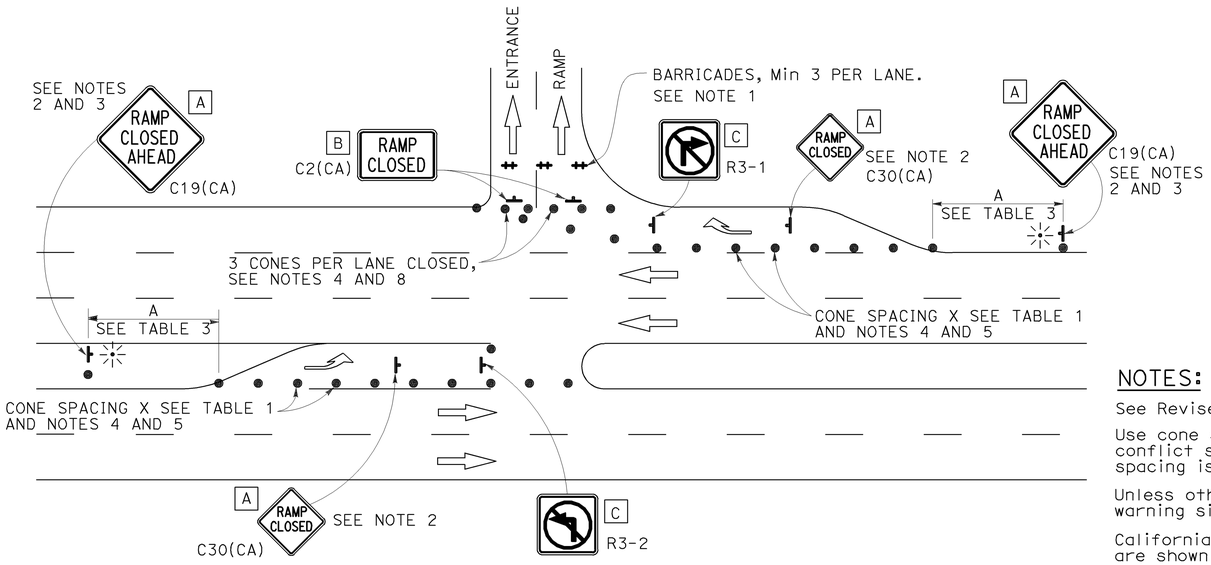
TYPICAL RAMP CLOSURES



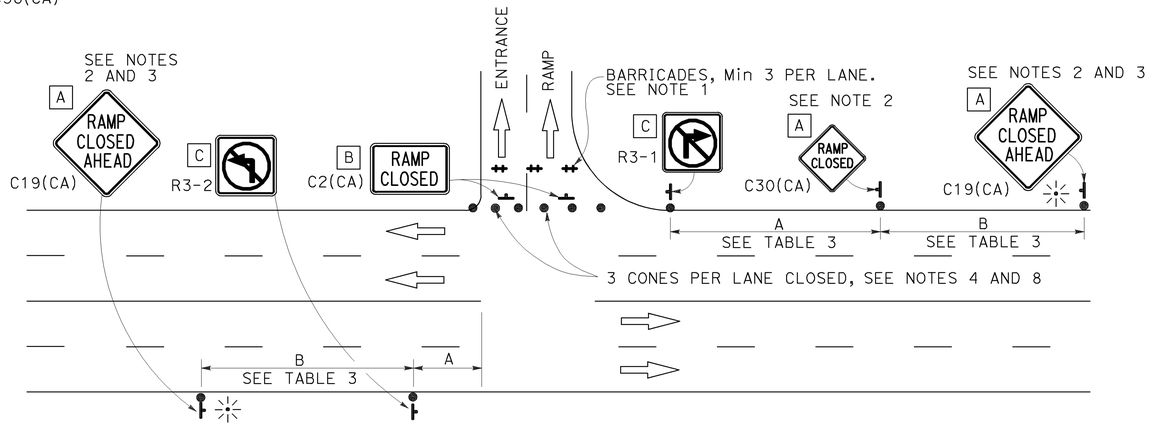
EXIT RAMP OR CONNECTOR



EXIT RAMP OR CONNECTOR WITH ADDITIONAL LANE



ENTRANCE RAMP WITH TURNING POCKETS



ENTRANCE RAMP WITHOUT TURNING POCKETS

SIGN PANEL SIZE (Min)

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

LEGEND

- ● TRAFFIC CONE
- ⊢ TEMPORARY TRAFFIC CONTROL SIGN
- ‡ BARRICADES
- ⁘ PORTABLE FLASHING BEACON

NOTES:

1. Barricades shall be Type I, II, or III for closures lasting one week or less and Type III for closures lasting longer than one week.
2. In addition to placing the C19(CA) "RAMP CLOSED AHEAD" and C30(CA) "RAMP CLOSED" signs, black on orange overlay plates with the word "CLOSED" may be mounted, as directed by the Engineer, on all guide signs that refer to the closed ramp. The letter size on the overlay shall be the same as the guide sign.
3. Each advance C19(CA) "RAMP CLOSED AHEAD" sign shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" × 16" in size and shall be orange or fluorescent red-orange in color. A flashing beacon shall be placed on top of the first C19(CA) sign during hours of darkness.
4. All cones used for ramp closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
5. Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime ramp closures only.
6. At least one person shall be assigned to provide full time maintenance of traffic control devices, unless otherwise directed by the Engineer.
7. The existing "EXIT" signs shall be covered during ramp closures.
8. A minimum of 3 cones shall be placed transversely across each closed lane and shoulder.

NOTES:

See Revised Standard Plan RSP T9 for tables.

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

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

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	31.7	31	32

REGISTERED CIVIL ENGINEER

April 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Gurinderpal Bhullar
No. C48815
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 03-30-15

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR RAMP CLOSURE

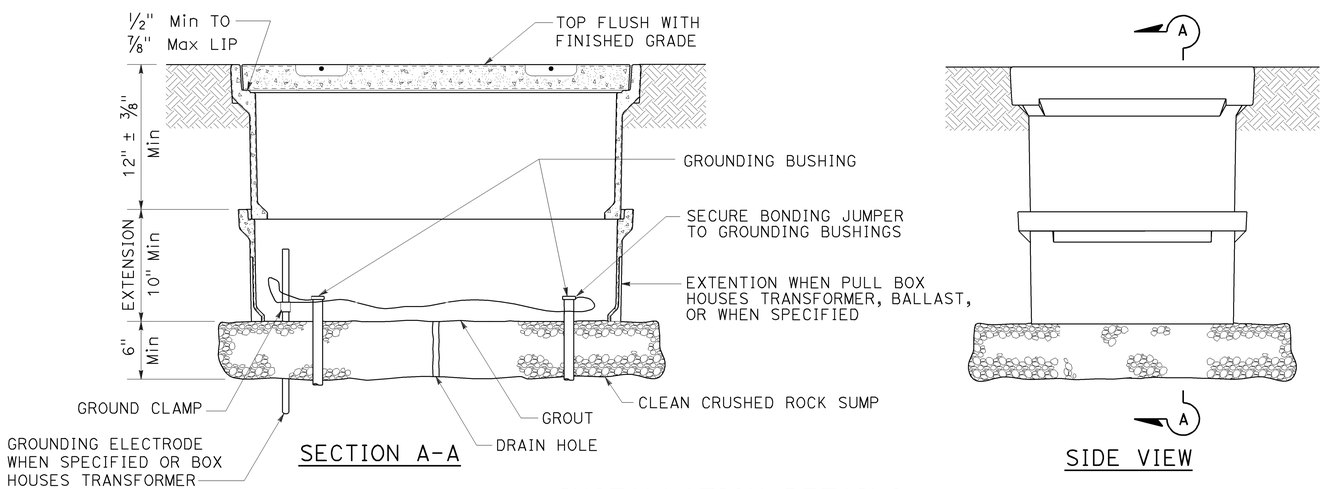
NO SCALE

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

REVISED STANDARD PLAN RSP T14

2010 REVISED STANDARD PLAN RSP T14

12-18-12

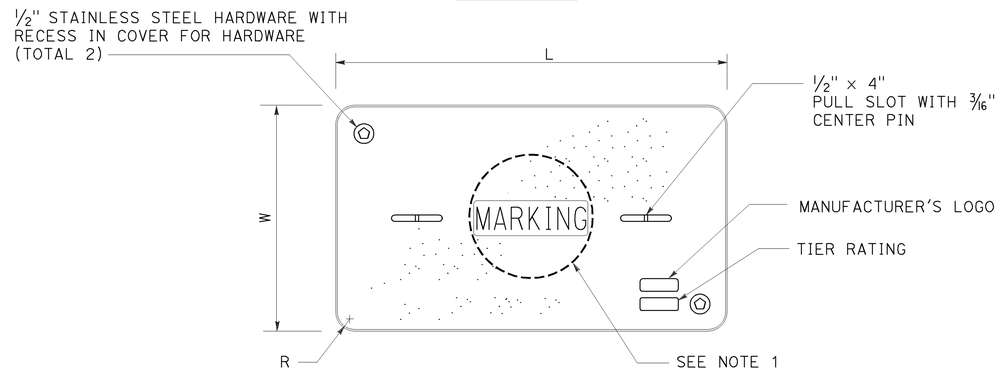


SECTION A-A

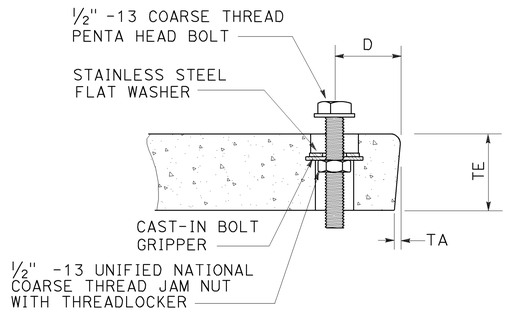
SIDE VIEW

INSTALLATION DETAILS

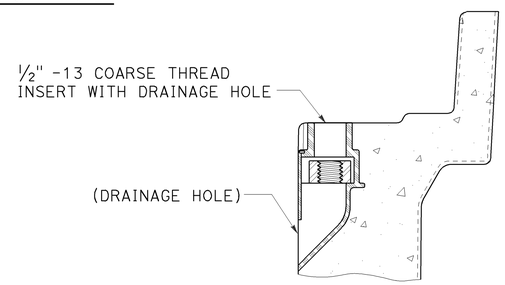
DETAIL A



COVER TOP VIEW



TYPICAL COVER CAPTIVE BOLT
OR SIMILAR



TYPICAL THREADED INSERT
OR SIMILAR

DIMENSION TABLE

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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	5	31.7	32	32

Theresa Gabriel
REGISTERED ELECTRICAL ENGINEER

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

July 19, 2013
PLANS APPROVAL DATE

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

TO ACCOMPANY PLANS DATED 03-30-15

NOTES:

1. Pull box covers shall be marked as follows: "SERVICE" Service circuits between service point and service disconnect; "SPRINKLER-CONTROL" sprinkler control circuits, 50 V or less; "CALTRANS" on all pull boxes, except pull boxes marked "SPRINKLER-CONTROL"; and "TELEPHONE" Telephone service;

   A) No. 3½ pull box.
      1) "SIGNAL" - Traffic signal circuits with or without lighting or sign lighting circuits.
      2) "LIGHTING" - Lighting or sign lighting circuits where voltage is under 600 V.

   B) No. 5, 6, 9 or 9A pull box.
      1) "TRAFFIC SIGNAL" - Traffic signal circuits with or without lighting or sign lighting circuits.
      2) "LIGHTING" - Lighting or sign lighting circuits where voltage is under 600 V.
      3) "LIGHTING-HIGH VOLTAGE" - Lighting or sign lighting circuits where voltage is above 600 V.
      4) "IRRIGATION" - Circuits to irrigation controller 120 V or more.
      5) "RAMP METER" - Ramp meter circuits.
      6) "COUNT STATION" - Count or speed monitor circuits.
      7) "COMMUNICATIONS" - Communication circuits.
      8) "TOS COMMUNICATIONS" - TOS communication line.
      9) "TOS POWER" - TOS power.
      10) "TDC POWER" - Telephone demarcation cabinet power.
      11) "CCTV" - Closed circuit television circuits.
      12) "TMS" - Traffic monitoring station circuits.
      13) "CMS" - Changeable message sign circuits.
      14) "HAR" - Highway advisory radio circuits.
      15) "BOOSTER PUMP" - Booster pump circuit.

2. The nominal dimensions of the opening in which the cover sets shall be the same as the cover dimensions except the length and width dimensions shall be ⅛" greater.
3. Covers and boxes shall be interchangeable with California standard male and female gages. When interchanged with a standard male or female gage, the top surfaces shall be flush within ⅛". Top outside radius of covers and pull boxes shall have a ⅛" radius.
4. Pull box extension may be another pull box as long as the bottom edge of the pull box can fit into the cover opening.
5. All dimensions for the cover for non-traffic pull box are nominal values.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (NON-TRAFFIC PULL BOX)

NO SCALE

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

REVISED STANDARD PLAN RSP ES-8A

2010 REVISED STANDARD PLAN RSP ES-8A

7-15-13