

INDEX OF PLANS

SHEET NO.	DESCRIPTION
1	TITLE AND LOCATION MAP
2-5	WATER POLLUTION CONTROL PLAN AND QUANTITIES
6-11	UTILITY PLAN
12	CONSTRUCTION AREA SIGNS
13-17	PLANT REMOVAL PLAN
18	IRRIGATION SPRINKLER SCHEDULE
19-20	IRRIGATION REMOVAL PLAN
21-35	IRRIGATION PLAN AND QUANTITIES
36	PLANT LIST
37-51	PLANTING PLAN
52-54	LANDSCAPE DETAILS AND QUANTITIES
55-67	REVISED STANDARD PLAN

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 SAN DIEGO COUNTY IN SAN DIEGO,
SOLANA BEACH, AND ENCINITAS FROM 0.1 MILE
NORTH OF SAN DIEGUITO RIVER BRIDGE
TO SAN ELIJO LAGOON BRIDGE

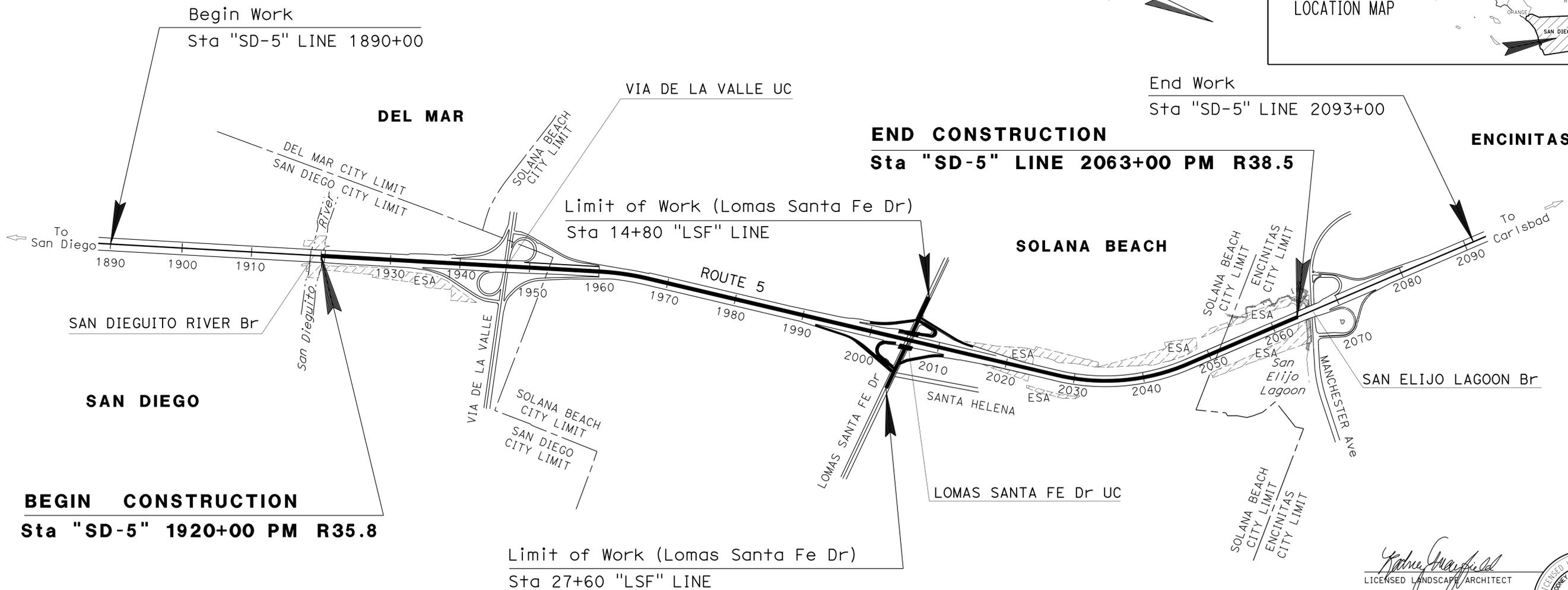
TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	1	67



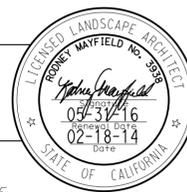


LOCATION MAP



PROJECT MANAGER
ARTURO JACOBO
 SENIOR LANDSCAPE ARCHITECT
STEPHEN ALVAREZ


 LICENSED LANDSCAPE ARCHITECT
 May 5, 2014
 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.	11-2T1784
PROJECT ID	111200022

NO SCALE

DATE PLOTTED => 14-MAY-2014
 TIME PLOTTED => 1:32:1

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FIBER ROLLS ON THIS SHEET ARE THE ONLY PERMANENT WORK.

LEGEND:

→ - DIRECTION FLOW OF WATER

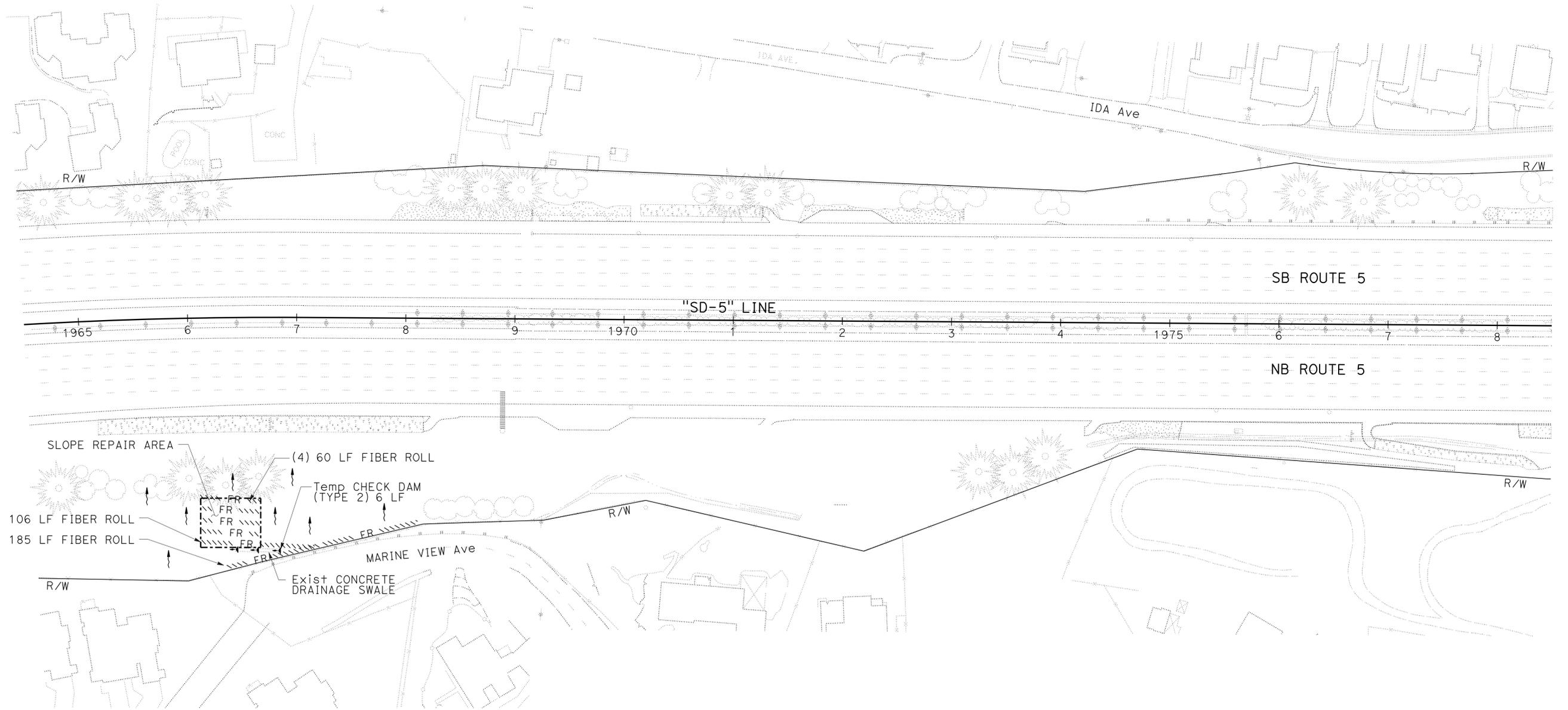
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	2	67


 LICENSED LANDSCAPE ARCHITECT
 05-05-14
 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.

SOLANA BEACH



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE
 SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ
 CALCULATED/DESIGNED BY: [blank]
 CHECKED BY: [blank]
 RODNEY MAYFIELD
 JOEL HORTIZUELA
 REVISED BY: [blank]
 DATE REVISED: [blank]

WATER POLLUTION CONTROL PLAN

W-1

APPROVED FOR WATER POLLUTION CONTROL WORK ONLY

SCALE: 1" = 50'

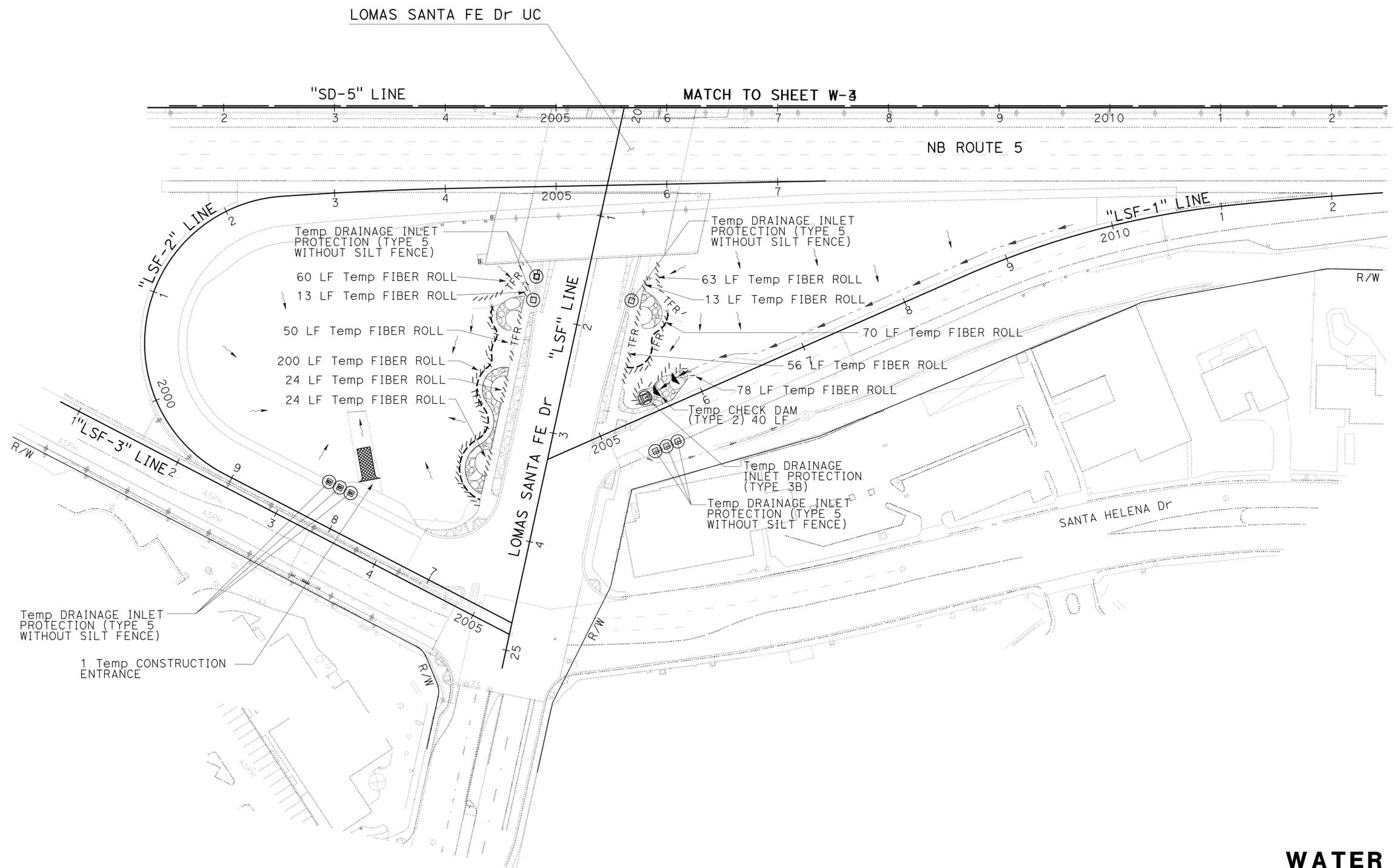
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	3	XXIX

LICENSED LANDSCAPE ARCHITECT
 06-06-00
 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:
 1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



SOLANA BEACH



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	REVISOR	DATE
Caltrans LANDSCAPE ARCHITECTURE	RODNEY MAYFIELD	06-06-00
	JOEL HORTIZUELA	
	CHECKED BY	
	STEPHEN ALVAREZ	

APPROVED FOR WATER POLLUTION CONTROL WORK ONLY

SCALE: 1" = 50'

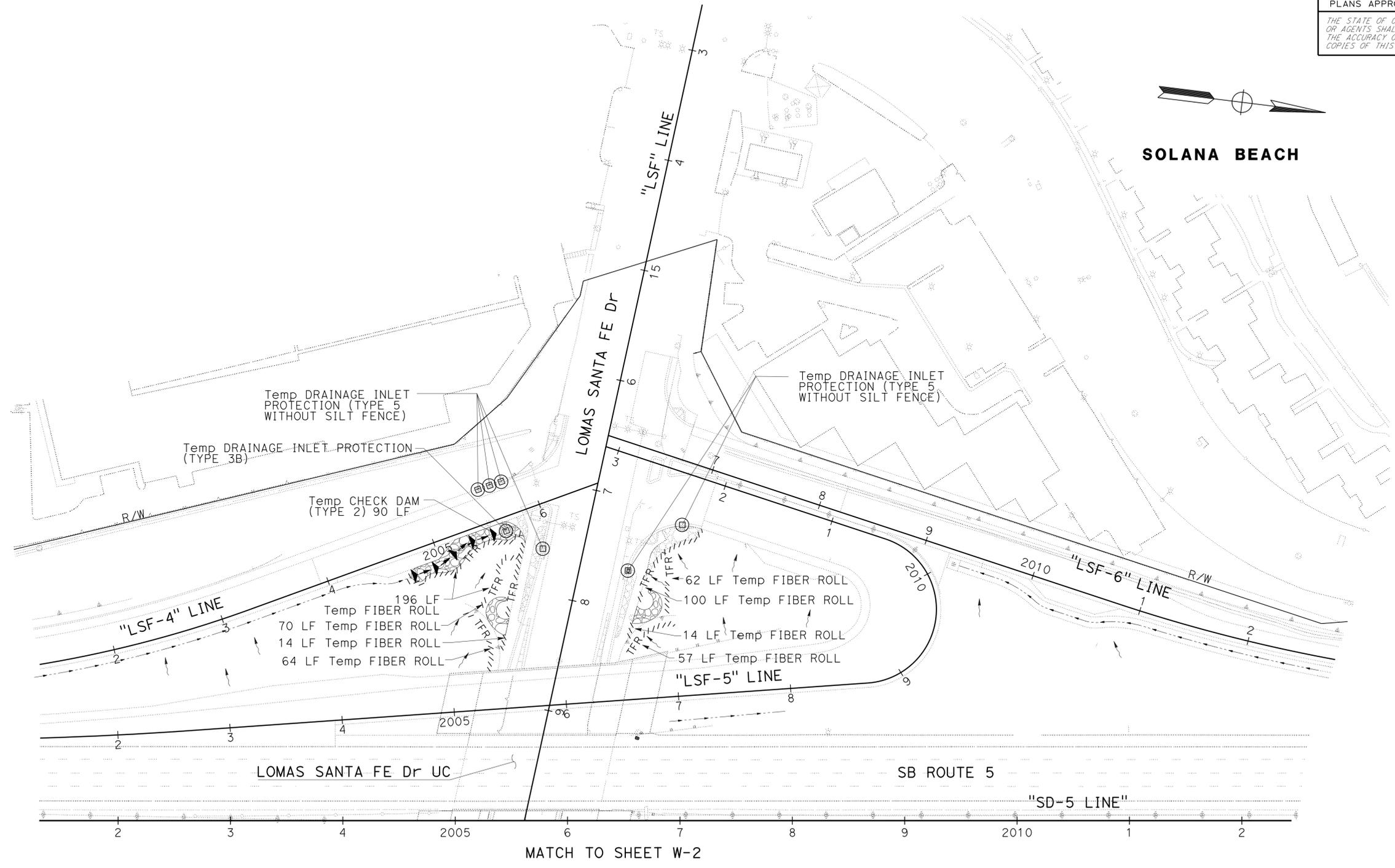
WATER POLLUTION CONTROL PLAN

W-2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	4	67

LICENSED LANDSCAPE ARCHITECT
 LICENSE NO. 3509
 05-05-14
 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:
 1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	LANDSCAPE ARCHITECTURE
SENIOR LANDSCAPE ARCHITECT	STEPHEN ALVAREZ
CALCULATED/DESIGNED BY	CHECKED BY
RODNEY MAYFIELD	JOEL HORTIZUELA
REVISED BY	DATE REVISED

BORDER LAST REVISED 7/2/2010

USERNAME => s127400
 DGN FILE => 1112000022gi003.dgn

RELATIVE BORDER SCALE 1" = 10' IN INCHES

UNIT 2816

PROJECT NUMBER & PHASE 11120000221

APPROVED FOR WATER POLLUTION CONTROL WORK ONLY

SCALE: 1" = 50'

WATER POLLUTION CONTROL PLAN

W-3

LAST REVISION DATE PLOTTED => 14-MAY-2014
 03-04-14 TIME PLOTTED => 1:3:21

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	5	67


 LICENSED LANDSCAPE ARCHITECT
 05-05-14
 PLANS APPROVAL DATE



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WATER POLLUTION CONTROL QUANTITIES

SHEET	TEMPORARY FIBER ROLL (LF)	TEMPORARY CHECK DAM (LF)	TEMPORARY CONSTRUCTION ENTRANCE (EA)	TEMPORARY DRAINAGE INLET PROTECTION		FIBER ROLLS (LF)
				(TYPE 3B) (EA)	(TYPE 5) (EA)	
				W-1	0	
W-2	651	40	1	1	9	0
W-3	577	90	0	1	6	0
SUBTOTAL	1,228	136	1	2	15	531
TOTAL	1,228	136	1	17		531

**WATER POLLUTION
CONTROL QUANTITIES**

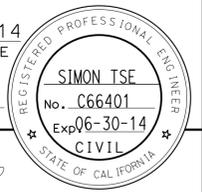
WQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE
 SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ
 CALCULATED/DESIGNED BY: [blank] CHECKED BY: [blank]
 RODNEY MAYFIELD
 JOEL HORTIZUELA
 REVISED BY: [blank] DATE REVISED: [blank]

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	6	67

<i>Simon Tse</i>	02-18-14
REGISTERED CIVIL ENGINEER	DATE
05-05-14	
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.



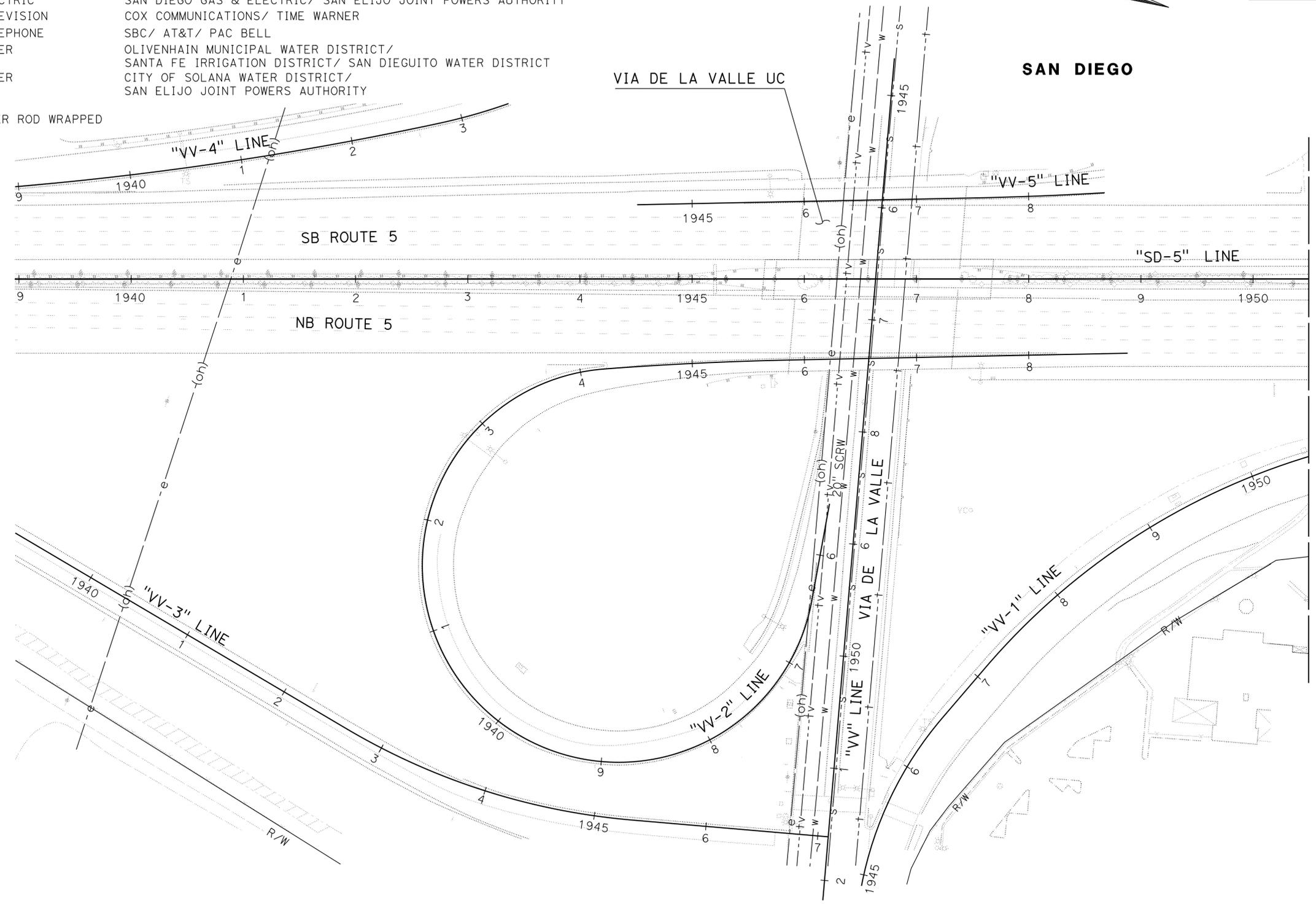
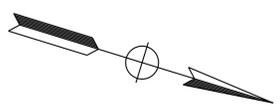
NOTE:

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

LEGEND:

SYMBOL	EXISTING UTILITY	OWNER
---e---(oh)---	ELECTRIC	SAN DIEGO GAS & ELECTRIC/ SAN ELIJO JOINT POWERS AUTHORITY
---tv---	TELEVISION	COX COMMUNICATIONS/ TIME WARNER
---t---	TELEPHONE	SBC/ AT&T/ PAC BELL
---w---	WATER	OLIVENHAIN MUNICIPAL WATER DISTRICT/ SANTA FE IRRIGATION DISTRICT/ SAN DIEGUITO WATER DISTRICT
---s---	SEWER	CITY OF SOLANA WATER DISTRICT/ SAN ELIJO JOINT POWERS AUTHORITY

SCRW - STEEL CYLINDER ROD WRAPPED



MATCH TO SHEET U-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	REVISOR	DATE
Caltrans ENGINEERING SERVICES	SIMON TSE	
	ABU-BAKR AL-JAFRI	
	ABU-BAKR AL-JAFRI	
	ABU-BAKR AL-JAFRI	

APPROVED FOR UTILITY INFORMATION ONLY

UTILITY PLAN
SCALE: 1" = 50'
U-1

LAST REVISION: 1-10-14 DATE PLOTTED => 14-MAY-2014 TIME PLOTTED => 13:21

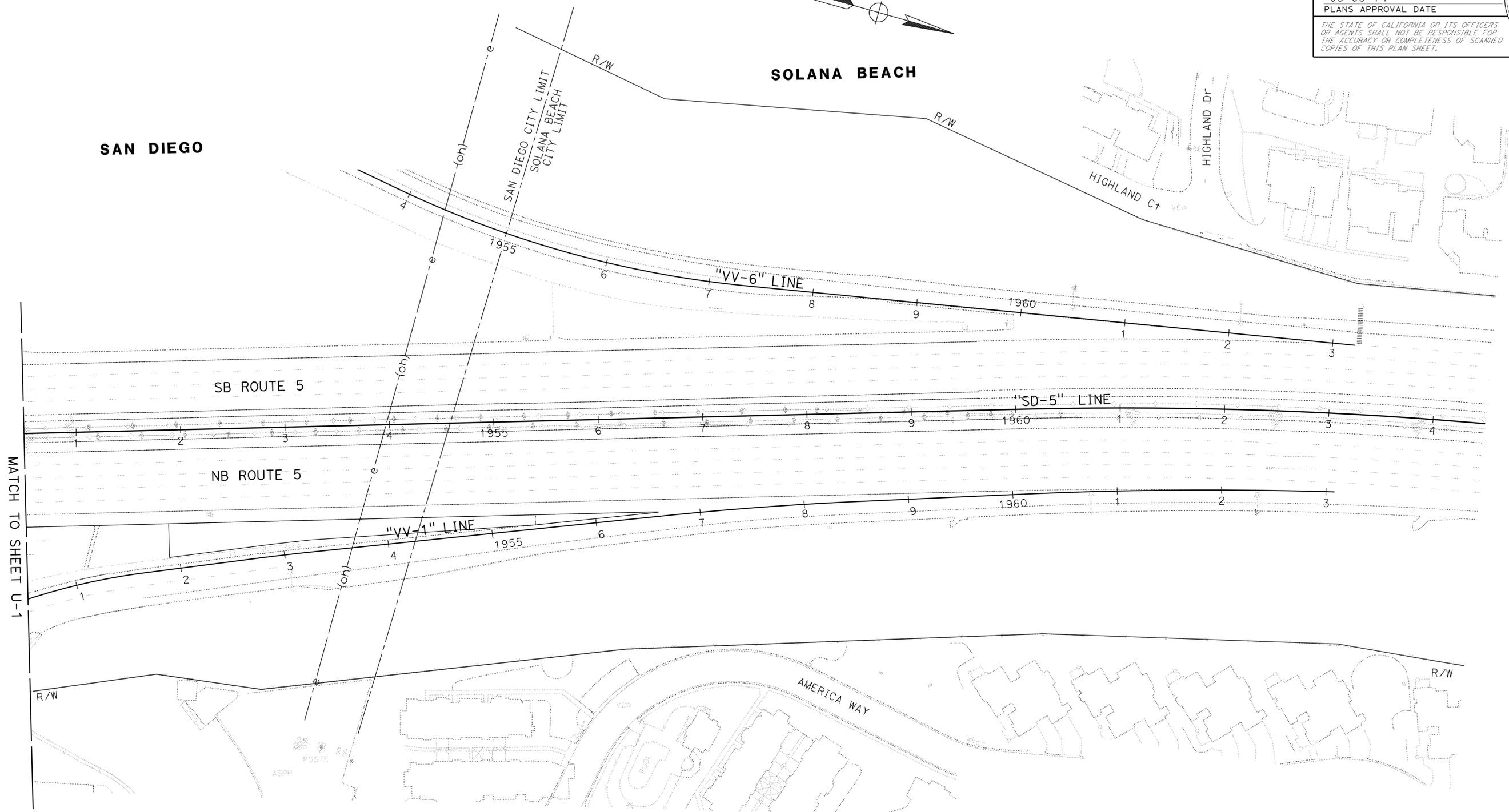
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	7	67

<i>Simon Tse</i>	02-18-14
REGISTERED CIVIL ENGINEER	DATE
05-05-14	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
SIMON TSE
No. C66401
Exp 06-30-14
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.

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



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans ENGINEERING SERVICES
 FUNCTIONAL SUPERVISOR: ABU-BAKR AL-JAFRI
 CALCULATED/DESIGNED BY: ABU-BAKR AL-JAFRI
 CHECKED BY:
 SIMON TSE
 ABU-BAKR AL-JAFRI
 REVISED BY: DATE REVISIED:
 REVISIONS:

UTILITY PLAN
U-2

SCALE: 1" = 50'

APPROVED FOR UTILITY INFORMATION ONLY

LAST REVISION | DATE PLOTTED => 14-MAY-2014
 03-06-14 TIME PLOTTED => 13:21

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	8	67

Simon Tse 02-18-14
 REGISTERED CIVIL ENGINEER DATE
 05-05-14
 PLANS APPROVAL DATE

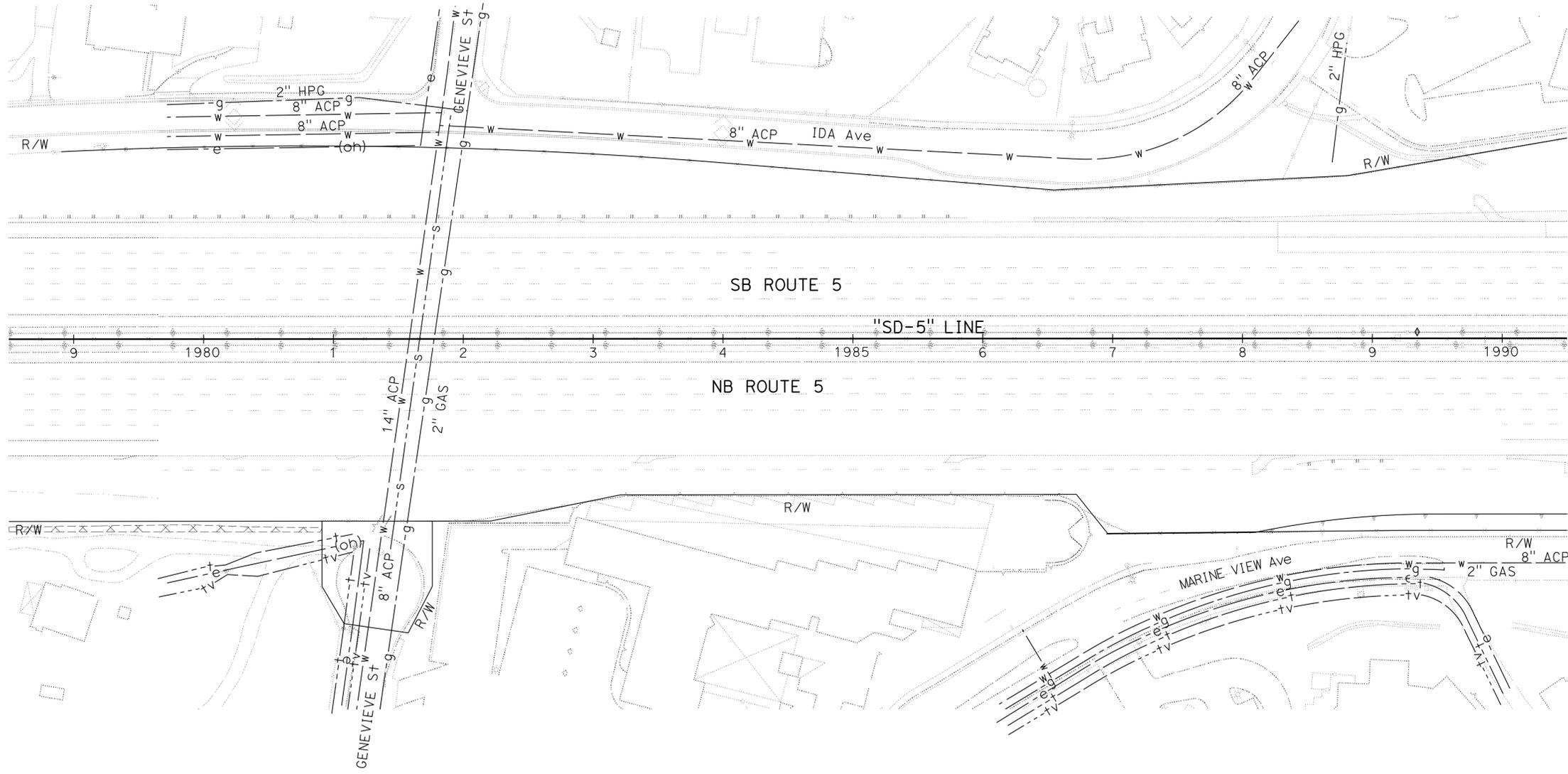
REGISTERED PROFESSIONAL ENGINEER
 SIMON TSE
 No. C66401
 Exp. 06-30-14
 CIVIL
 STATE OF CALIFORNIA

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NOTE:
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SOLANA BEACH



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	SIMON TSE	REVISED BY
Caltrans ENGINEERING SERVICES	ABU-BAKR AL-JAFRI	CHECKED BY	ABU-BAKR AL-JAFRI	DATE
				REVISED

APPROVED FOR UTILITY INFORMATION ONLY

UTILITY PLAN
U-3
 SCALE: 1" = 50'

LAST REVISION DATE PLOTTED => 14-MAY-2014
 03-06-14 TIME PLOTTED => 13:21

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	9	67

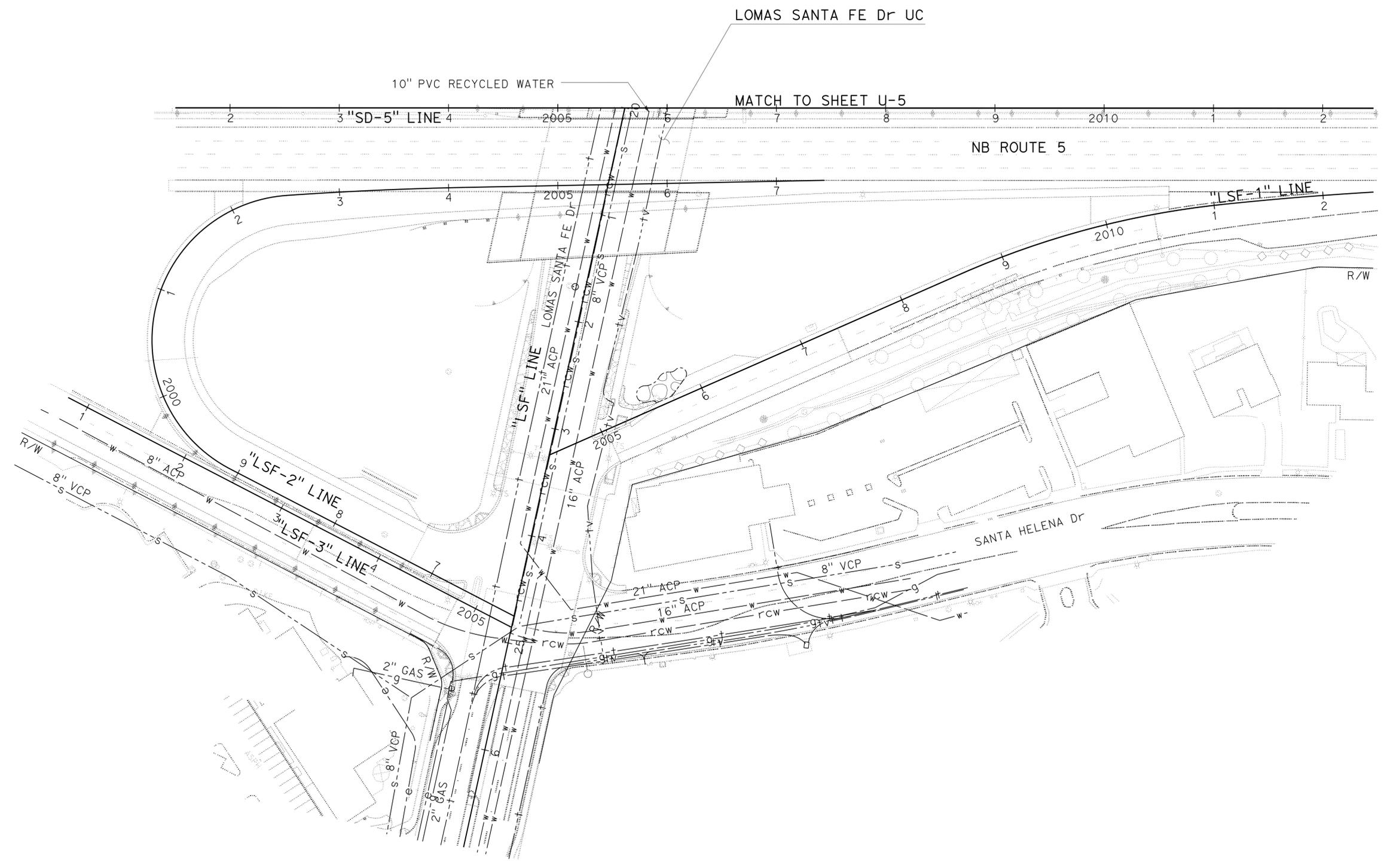
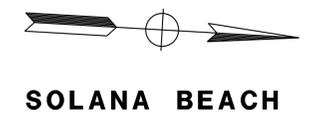
<i>Simon Tse</i>	02-18-14
REGISTERED CIVIL ENGINEER	DATE
05-05-14	
PLANS APPROVAL DATE	

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NOTES:

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



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	SIMON TSE	REVISOR BY
Caltrans ENGINEERING SERVICES	ABU-BAKR AL-JAFRI	CHECKED BY	ABU-BAKR AL-JAFRI	DATE REVISED

APPROVED FOR UTILITY INFORMATION ONLY

UTILITY PLAN
SCALE: 1" = 50' **U-4**

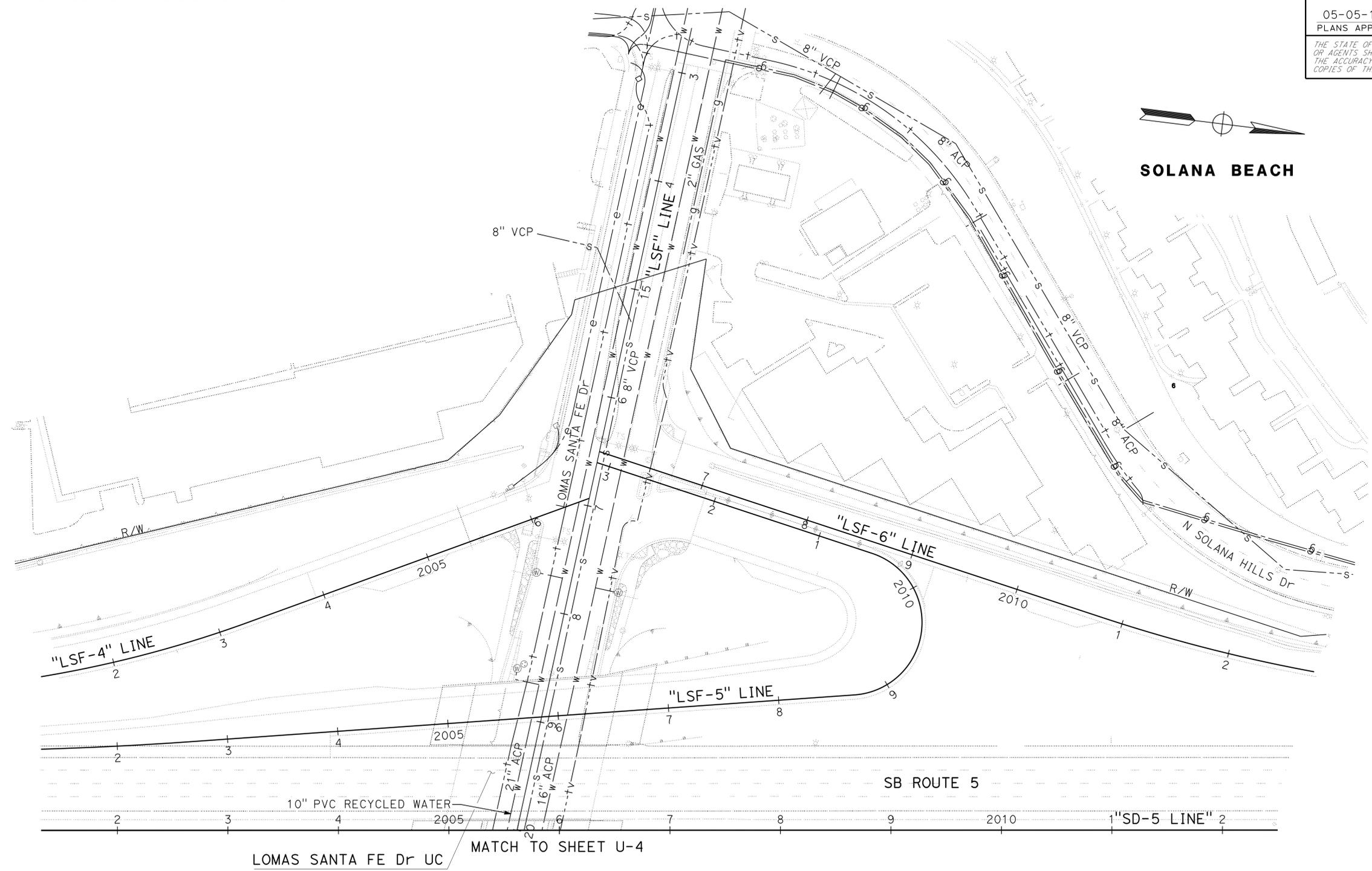
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	10	67

<i>Simon Tse</i>	02-18-14
REGISTERED CIVIL ENGINEER	DATE
05-05-14	
PLANS APPROVAL DATE	

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



SOLANA BEACH

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	SIMON TSE	REVISED BY
Caltrans ENGINEERING SERVICES	ABU-BAKR AL-JAFRI	CHECKED BY	ABU-BAKR AL-JAFRI	DATE REVISED

APPROVED FOR UTILITY INFORMATION ONLY

UTILITY PLAN
U-5
 SCALE: 1" = 50'

LAST REVISION | DATE PLOTTED => 14-MAY-2014
 03-06-14 TIME PLOTTED => 13:21

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	11	67

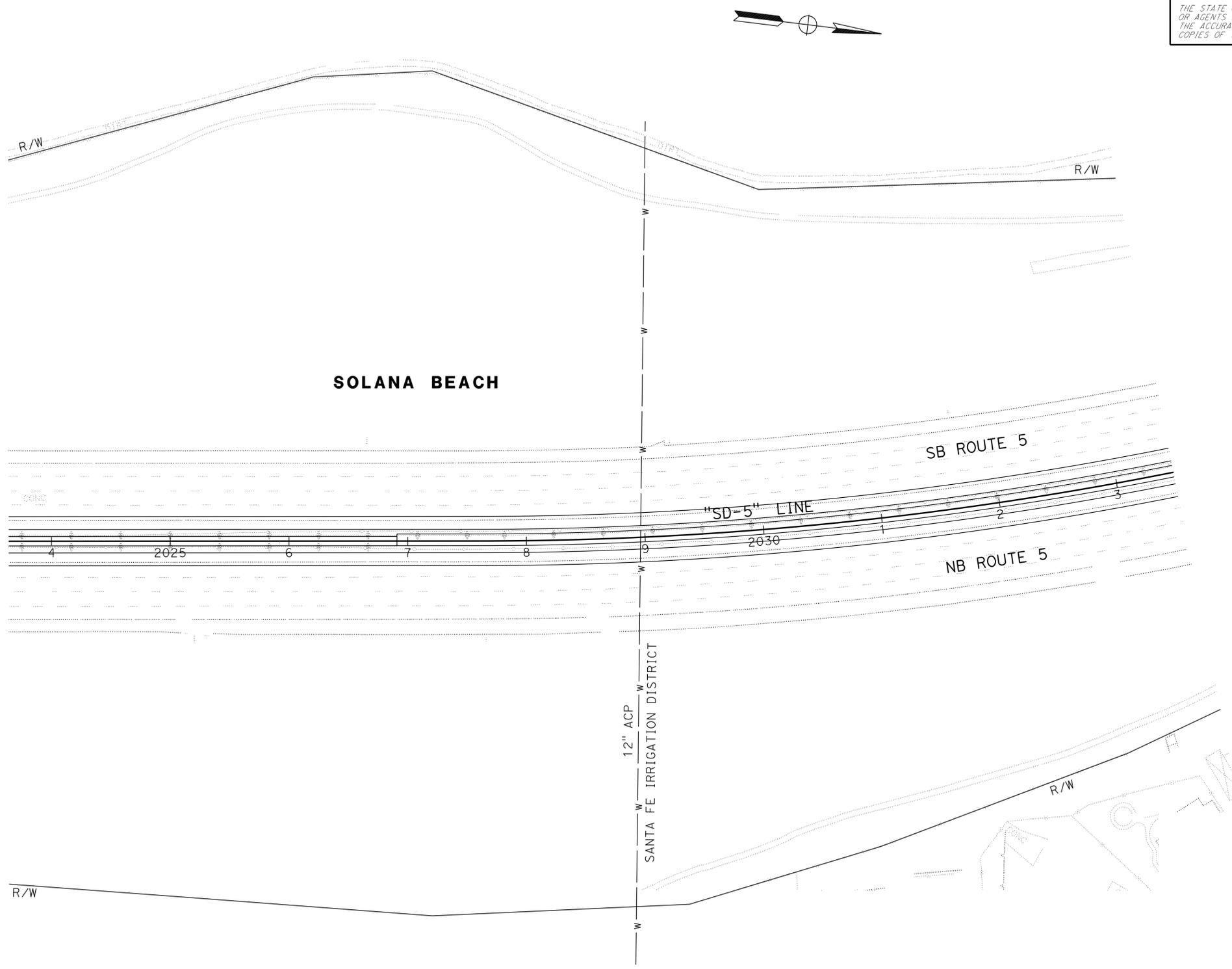
<i>Simon Tse</i>	02-18-14
REGISTERED CIVIL ENGINEER	DATE
05-05-14	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
SIMON TSE
No. C66401
Exp 06-30-14
CIVIL
STATE OF CALIFORNIA

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NOTE:

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



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	SIMON TSE	REVISED BY
Caltrans ENGINEERING SERVICES	ABU-BAKR AL-JAFRI	CHECKED BY	ABU-BAKR AL-JAFRI	DATE REVISED

APPROVED FOR UTILITY INFORMATION ONLY

UTILITY PLAN
SCALE: 1" = 50' **U-6**

LAST REVISION: DATE PLOTTED => 14-MAY-2014
03-06-14 TIME PLOTTED => 13:21

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	12	67

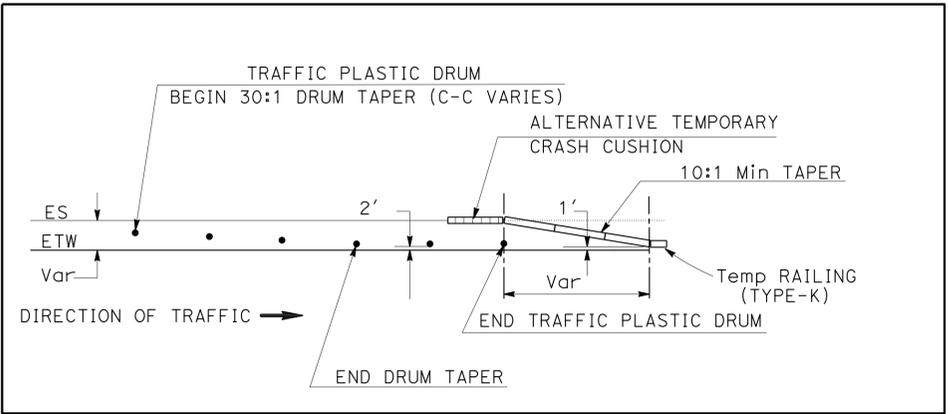
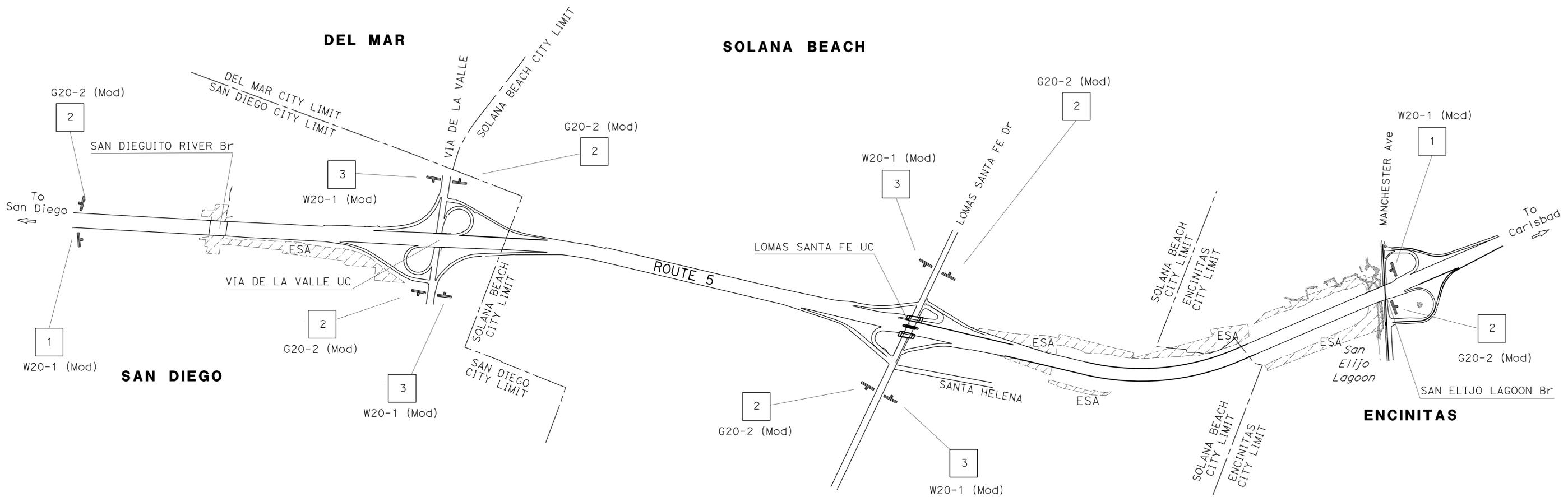
02-18-14
 REGISTERED CIVIL ENGINEER DATE
 05-05-14
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 SHAHIN T. ADIBI
 No. 54839
 Exp. 06-30-14
 CIVIL
 STATE OF CALIFORNIA

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

NOTES:

- EXACT LOCATION OF CONSTRUCTION AREA SIGNS WILL BE DETERMINED BY THE ENGINEER.
- FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) SIGN CODES ARE SHOWN UNLESS DESIGNATED BY (CA), INDICATING CALIFORNIA MUTCD.
- 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 POSTS IN CONSULTATION WITH THE ENGINEER.



TYPICAL - PLACEMENT OF TRAFFIC PLASTIC DRUM



W20-1 (Mod)
SIGN #1



G20-2 (Mod)
SIGN #2

CONSTRUCTION AREA SIGNS

SIGN No.	TYPE	PANEL SIZE (INCH)	No. OF POST AND SIZE (INCH)	No. OF SIGNS
1	W20-1 (Mod)	48 X 48	1-4 X 6 (S)	2
2	G20-2 (Mod)	36 X 18	1-4 X 4 (S)	6
3	W20-1 (Mod)	36 X 36	1-4 X 6 (S)	4
TOTAL				12

(S) DENOTES STATIONARY MOUNTED SIGN

CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 Rodney Mayfield
 Shahin Adibi
 Camille Aboufadel
 Functional Supervisor
 Traffic Design

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	13	67

Rodney Mayfield
 LICENSED LANDSCAPE ARCHITECT
 05-05-14
 PLANS APPROVAL DATE

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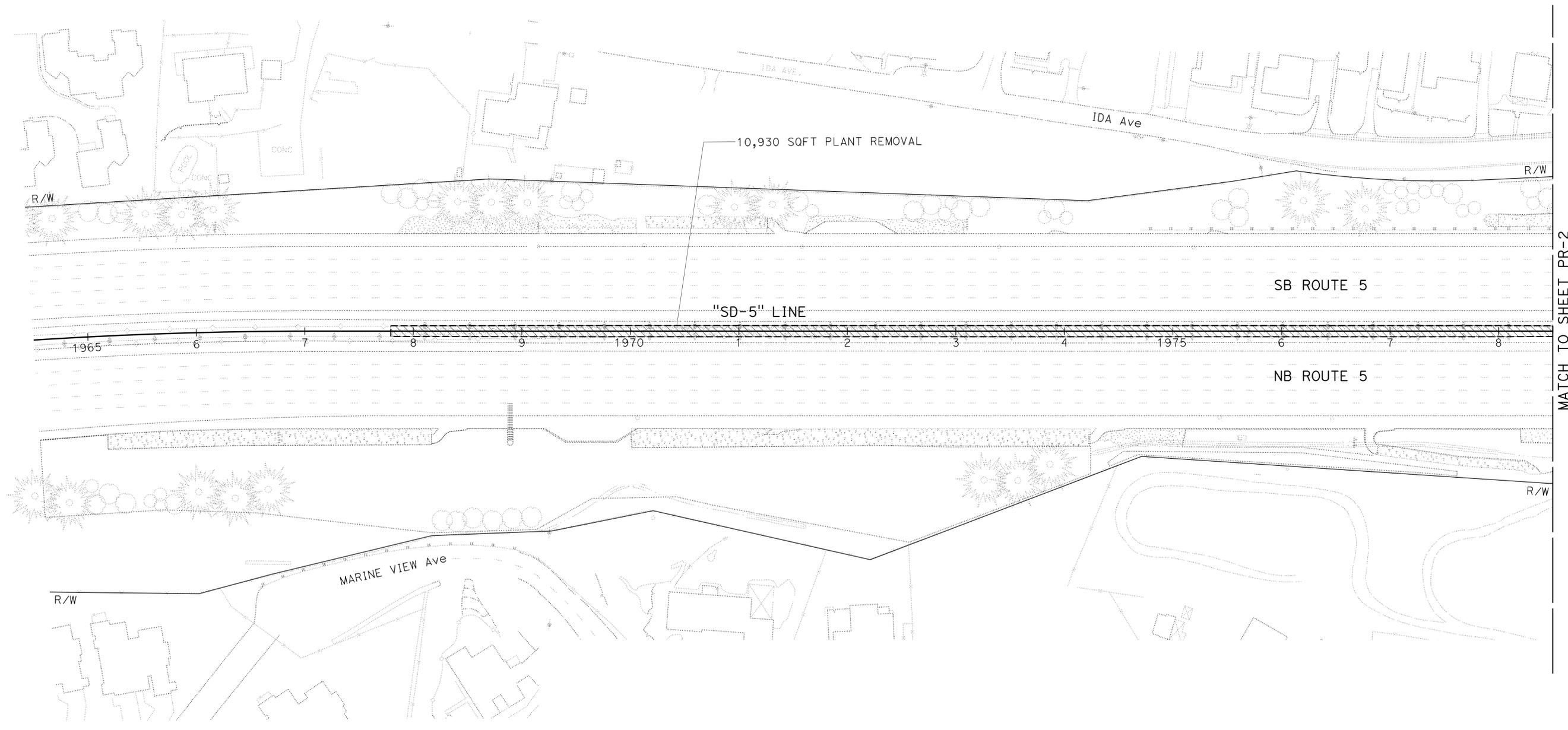
LICENSED LANDSCAPE ARCHITECT
 RODNEY MAYFIELD No. 3566
 05-31-16
 02-18-14
 DATE

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

- LEGEND:**
-  PLANT REMOVAL-MEDIAN (OLEANDERS TO REMAIN, ALL OTHER TREES AND SHRUBS TO BE REMOVED)
 -  PLANT REMOVAL (EXIST TREES AND PALMS TO REMAIN)



SOLANA BEACH



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT
 STEPHEN ALVAREZ

CALCULATED-DESIGNED BY
 CHECKED BY

RODNEY MAYFIELD
 JOEL HORTIZUELA

REVISED BY
 DATE REVISED

PLANT REMOVAL PLAN
PR-1

APPROVED FOR PLANT REMOVAL WORK ONLY

SCALE: 1" = 50'

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	14	67

Rodney Mayfield
 LICENSED LANDSCAPE ARCHITECT
 05-05-14
 PLANS APPROVAL DATE

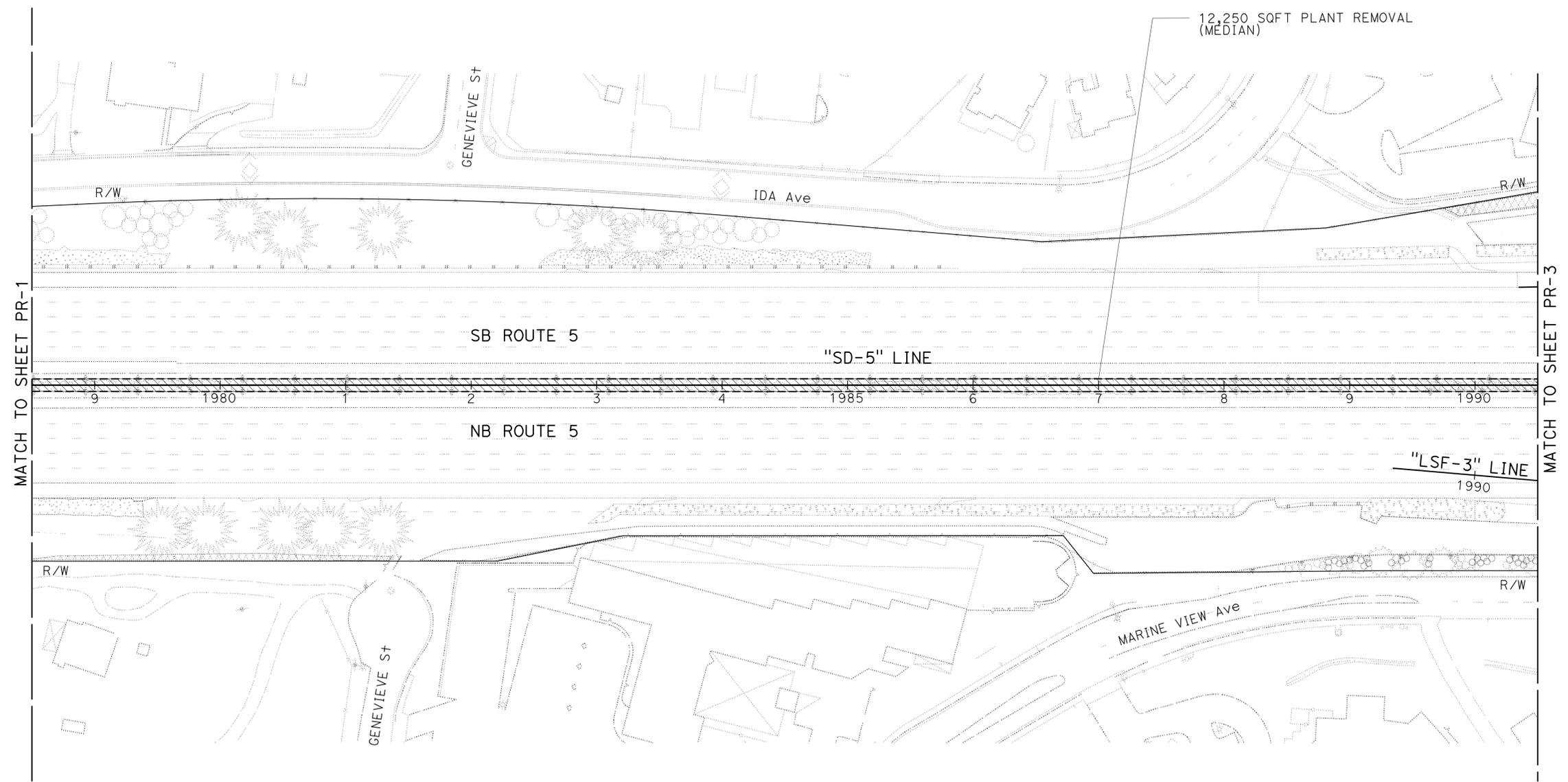
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTE:

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



SOLANA BEACH



MATCH TO SHEET PR-1

MATCH TO SHEET PR-3

PLANT REMOVAL PLAN

APPROVED FOR PLANT REMOVAL WORK ONLY

SCALE: 1" = 50'

PR-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	REVISOR	DATE
Caltrans LANDSCAPE ARCHITECTURE	RODNEY MAYFIELD	05-05-14
SENIOR LANDSCAPE ARCHITECT	JOEL HORTIZUELA	
CHECKED BY	STEPHEN ALVAREZ	
DESIGNED BY		
CALCULATED BY		

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	15	67

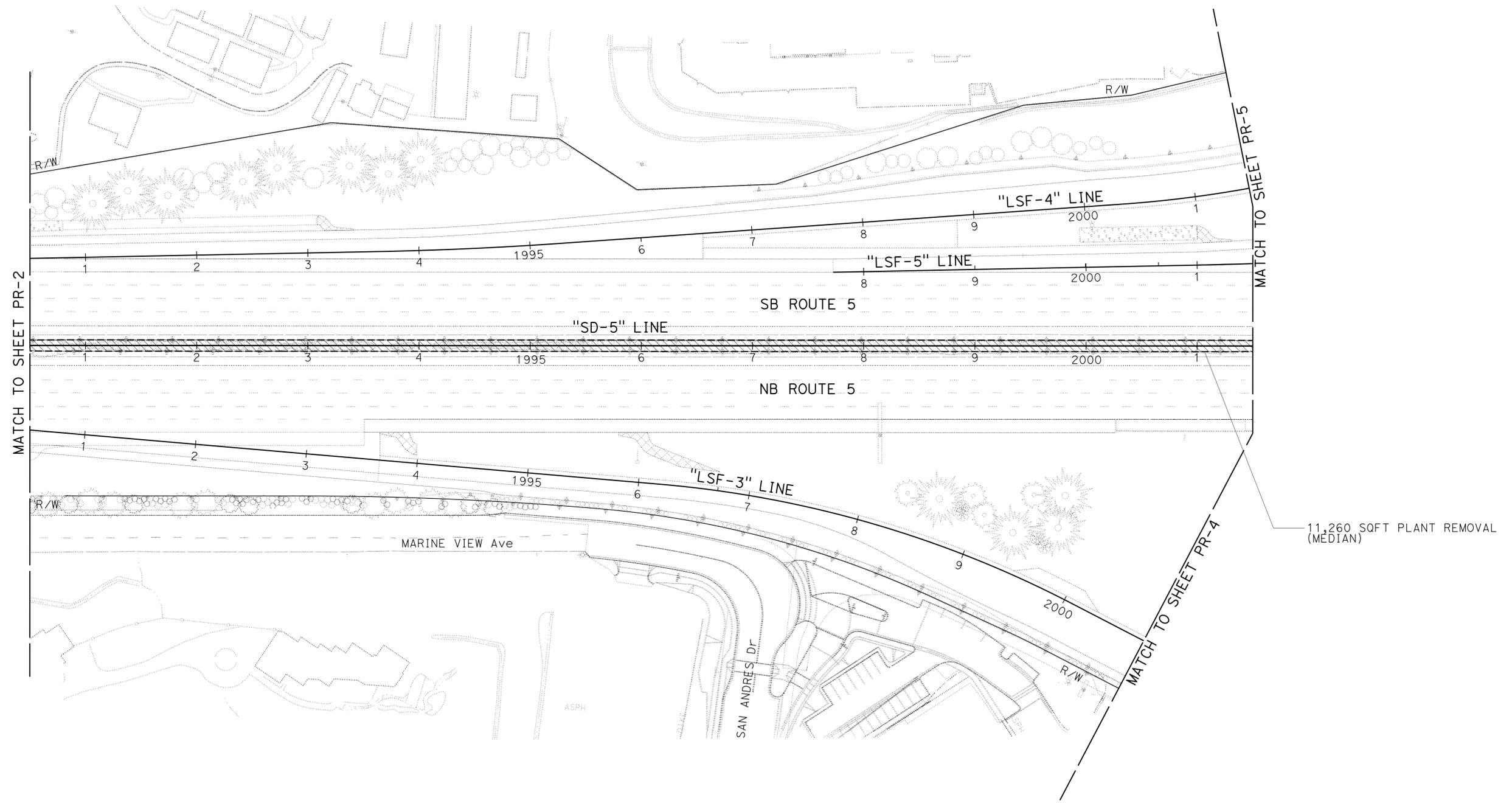
Rodney Mayfield
 LICENSED LANDSCAPE ARCHITECT
 05-05-14
 PLANS APPROVAL DATE

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



SOLANA BEACH



11,260 SQFT PLANT REMOVAL
(MEDIAN)

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	REVISOR	DATE
Caltrans LANDSCAPE ARCHITECTURE	RODNEY MAYFIELD	05-05-14
	JOEL HORTIZUELA	
	STEPHEN ALVAREZ	

APPROVED FOR PLANT REMOVAL WORK ONLY

PLANT REMOVAL PLAN
PR-3

SCALE: 1" = 50'

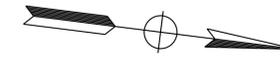
LAST REVISION DATE PLOTTED => 14-MAY-2014 03-06-14 TIME PLOTTED => 13:21

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	16	67

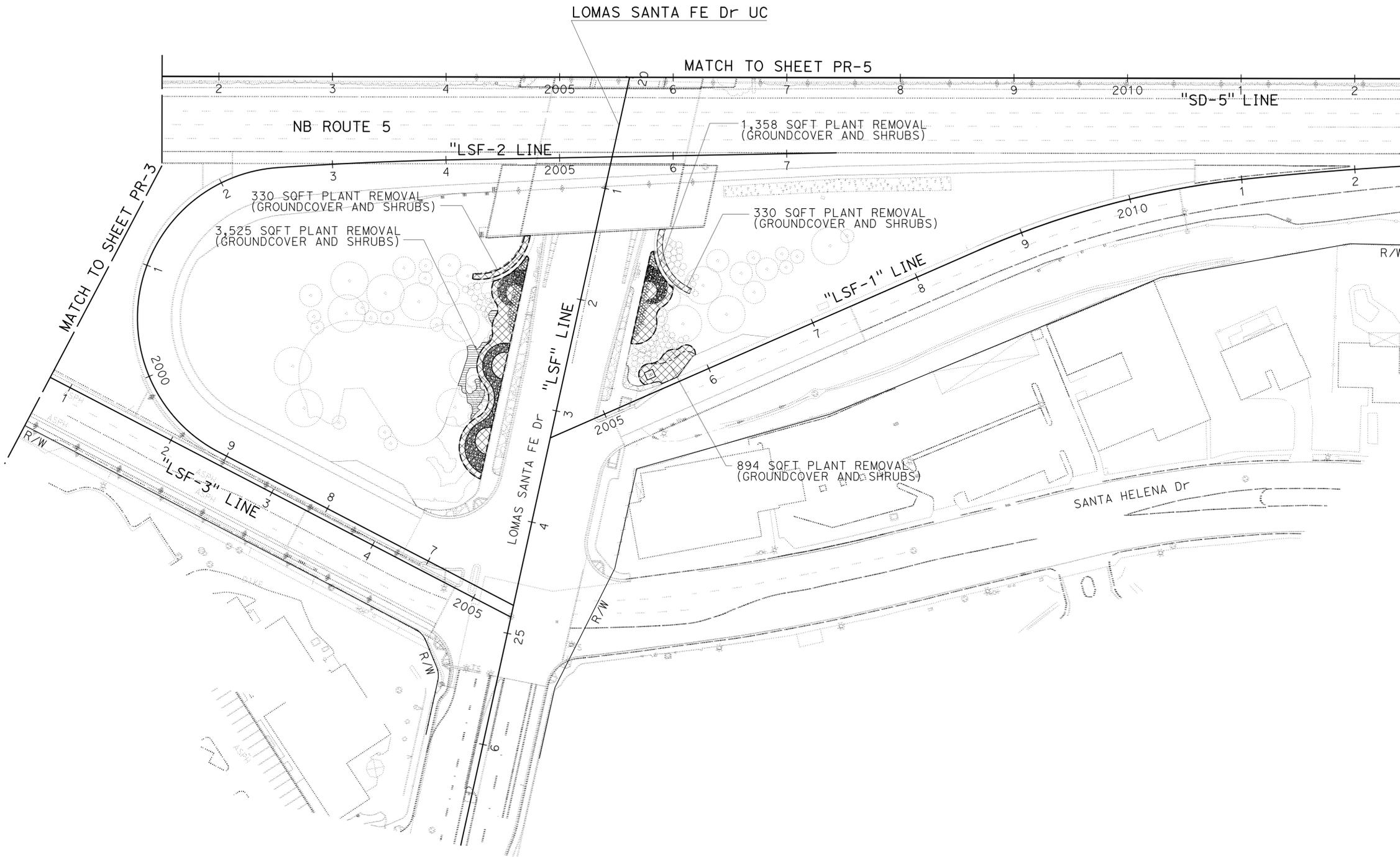
LICENSED LANDSCAPE ARCHITECT
 05-05-14
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTE:

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



SOLANA BEACH

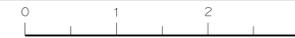


STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	REVISOR	DATE
Caltrans LANDSCAPE ARCHITECTURE	RODNEY MAYFIELD	05-05-14
	JOEL HORTIZUELA	
	STEPHEN ALVAREZ	

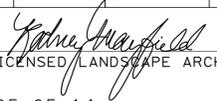
APPROVED FOR PLANT REMOVAL WORK ONLY

PLANT REMOVAL PLAN
PR-4

SCALE: 1" = 50'



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	17	67

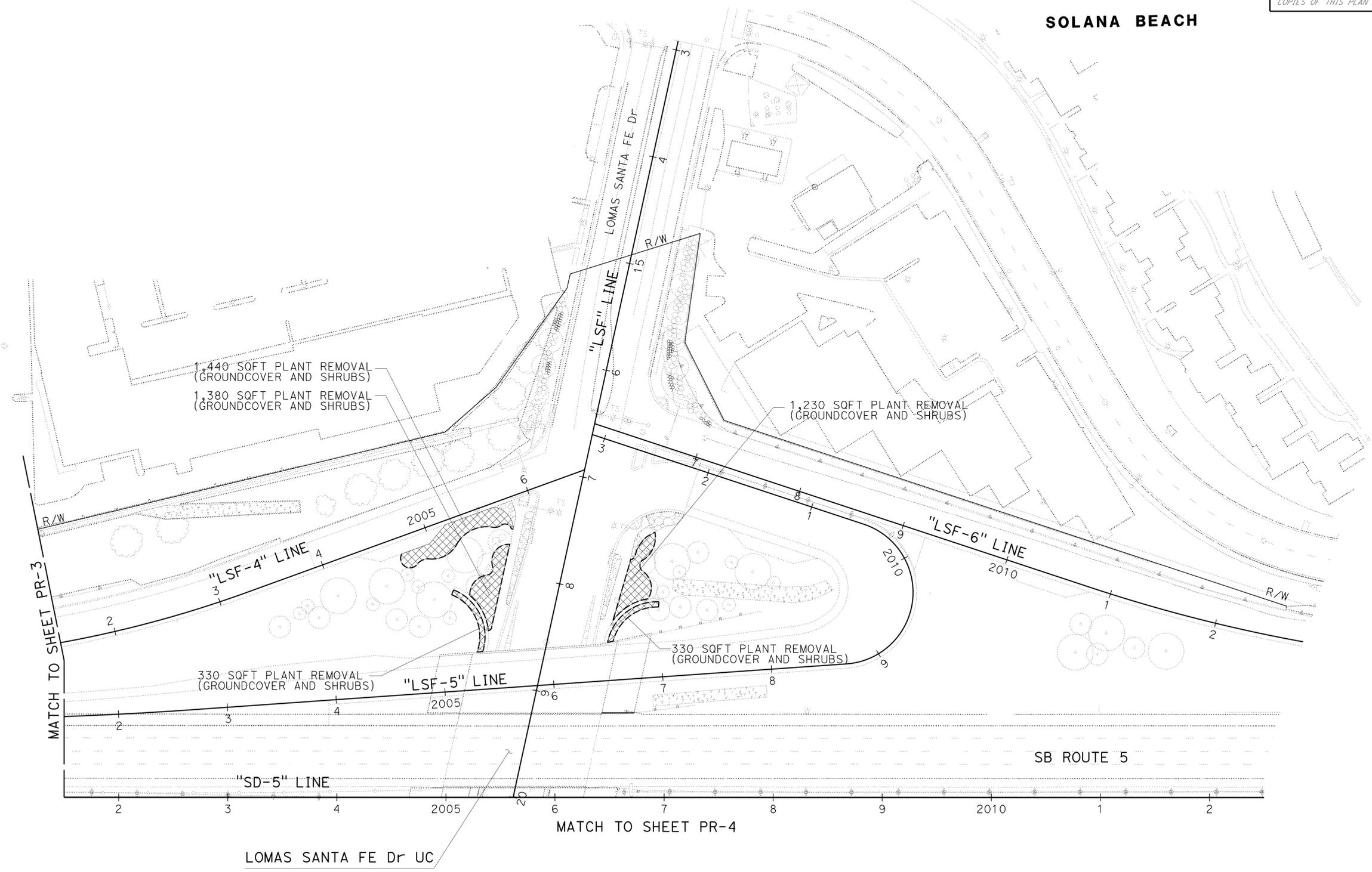
 LICENSED LANDSCAPE ARCHITECT		
05-05-14 PLANS APPROVAL DATE		

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



SOLANA BEACH



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	LANDSCAPE ARCHITECTURE
SENIOR LANDSCAPE ARCHITECT	STEPHEN ALVAREZ
CALCULATED/DESIGNED BY	CHECKED BY
RODNEY MAYFIELD	JOEL HORTIZUELA
REVISED BY	DATE REVISED

BORDER LAST REVISED 7/2/2010

USERNAME => s127400
 DGN FILE => 1112000022se005.dgn

RELATIVE BORDER SCALE 15' IN INCHES



UNIT 2816

PROJECT NUMBER & PHASE 11120000221

PLANT REMOVAL PLAN
PR-5

APPROVED FOR PLANT REMOVAL WORK ONLY

SCALE: 1" = 50'

LAST REVISION DATE PLOTTED => 14-MAY-2014
 03-06-14 TIME PLOTTED => 1:31:21

IRRIGATION LEGEND

SYMBOL	DESCRIPTION	SPRAY PATTERN	OPERATING PRESSURE (psi)	PRESSURE COMPENSATING	PLUS/MINUS 5% ②				SPRINKLER ASSEMBLY														REMARKS								
					DISCHARGE		RADIUS (ft)	WIDTH x LENGTH (ft)	RISER							POP-UP															
					GALLONS PER MINUTE (GPM)	GALLONS PER HOUR (GPH)			FLOW SHUTOFF DEVICE	INLET CONNECTION (NPT INCH)	POSITIVE-LOCKING Adj ARC STOP	BACKSLASH PREVENTER	DIFFUSER PIN	DISTANCE CONTROL FLAP	Adj DISCHARGE	MATERIAL			SIZE (IPS INCH)	HEIGHT (INCH)	SWING JOINT ⑥	RISER SUPPORT		TYPE	INLET CONNECTION (NPT INCH)	SWING JOINT	SPRINKLER PROTECTOR (TYPE)	POP-UP HEIGHT (INCH)			
⑤	GEAR DRIVEN	F	50	-	3.5	-	40	-	-	3/4	-	-	-	-	-	I	X	-	3/4	10	X	-	-	-	-	-	-	-	-	-	③
⑥	GEAR DRIVEN	P	50	-	3.5	-	40	-	-	3/4	-	-	-	-	-	-	-	-	-	-	-	-	I	3/4	X	-	-	-	-	③⑦	
⑪	GEAR DRIVEN	F	50	-	1.8	-	25	-	-	3/4	-	-	-	-	-	I	X	-	3/4	10	X	-	-	-	-	-	-	-	-	③	
⑫	GEAR DRIVEN	P	50	-	3.5	-	25	-	-	3/4	-	-	-	-	-	-	-	-	-	-	-	-	I	3/4	X	-	-	-	-	③⑦	
▲	SHRUB SPRAY	H	30	-	1.8	-	15	-	-	1/2	-	-	-	-	X	-	-	-	-	-	-	-	I	1/2	X	-	-	-	-	③⑧⑨	
▲	SHRUB SPRAY	Q	30	-	0.9	-	15	-	-	1/2	-	-	-	-	X	-	-	-	-	-	-	-	I	1/2	X	-	-	-	-	③⑧⑨	

X IN BOX DENOTES REQUIREMENT

APPLICABLE WHEN CIRCLED BELOW:

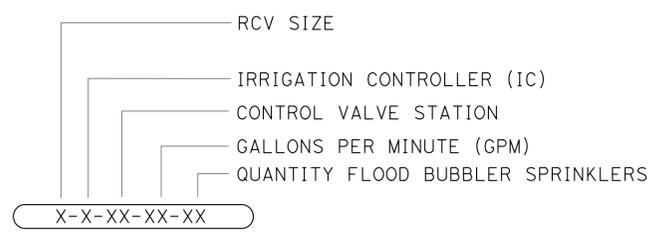
- 1 - SEE SPECIAL PROVISIONS.
- ② - IF A PRESSURE COMPENSATING DEVICE IS SPECIFIED, THE DISCHARGE AND RADII SHOWN REFLECT ITS USE.
- ③ - SHALL HAVE AN INTERNAL OR EXTERNAL CHECK VALVE.
- 4 - NON-ADJUSTABLE DISCHARGE RATE.
- 5 - REQUIRED ADJACENT TO SHOULDERS, CURBS, SIDEWALKS, AND DIKES.
- ⑥ - SEE DETAIL.
- ⑦ - ADJUSTABLE ARC.
- ⑧ - MATCHED PRECIPITATION RATE NOZZLES.
- ⑨ - REFER TO PIPE SIZING CHARTS.

ABBREVIATIONS:

- Adj - ADJUSTABLE
- CCU - CLUSTER CONTROL UNIT
- F+ - FEET
- Irr Cond - IRRIGATION CONDUIT
- PSI - POUNDS PER SQUARE INCH

NOTES:

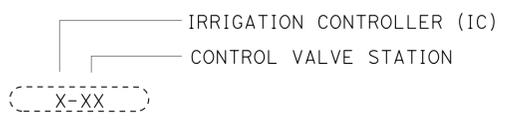
- ALL LATERAL PIPE NOT LABELED SHALL BE 1 INCH, OR AS SHOWN ON PIPE SIZING CHARTS.
- ALL SPRINKLER HEADS, VALVES AND PLASTIC PIPE (SUPPLY LINE) SHOWN NEAR MVP LOCATIONS ARE TO BE INSTALLED OUTSIDE OF THE PAVED MVP AREA. VALVES TO BE INSTALLED AT EXITING END OF THE MVP.
- ALL SPRINKLERS HEADS SHALL HAVE PURPLE COVERS OR CAPS FOR IDENTIFICATION OF NON-POTABLE IRRIGATION SYSTEM.



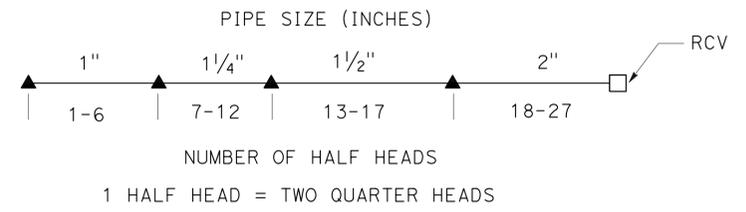
VALVE CODE



RCVM CODE



Exist VALVE CODE

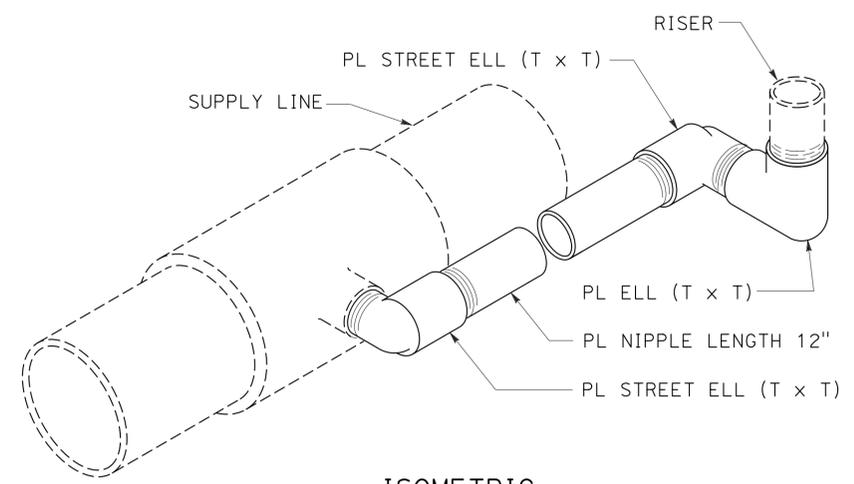


PIPE SIZING CHART SHRUB SPRAY

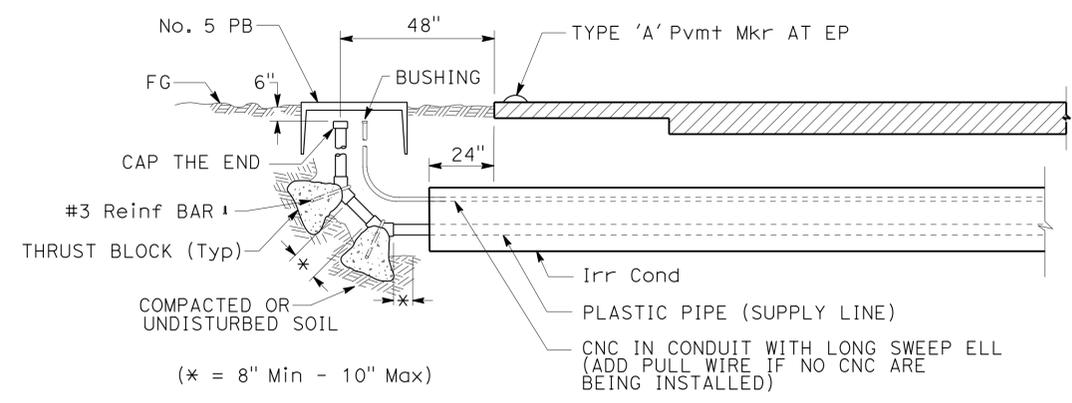
IRRIGATION SPRINKLER SCHEDULE

NO SCALE

ISS-1



SWING JOINT (MODIFIED)



SECTION IRRIGATION CONDUIT UNDER TRAVELED WAY (MODIFIED)

APPROVED FOR IRRIGATION WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - LANDSCAPE ARCHITECTURE
 SENIOR LANDSCAPE ARCHITECT: RODNEY MAYFIELD, JOEL HORTIZUELA
 CHECKED BY: STEPHEN ALVAREZ
 REVISIONS: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	19	67

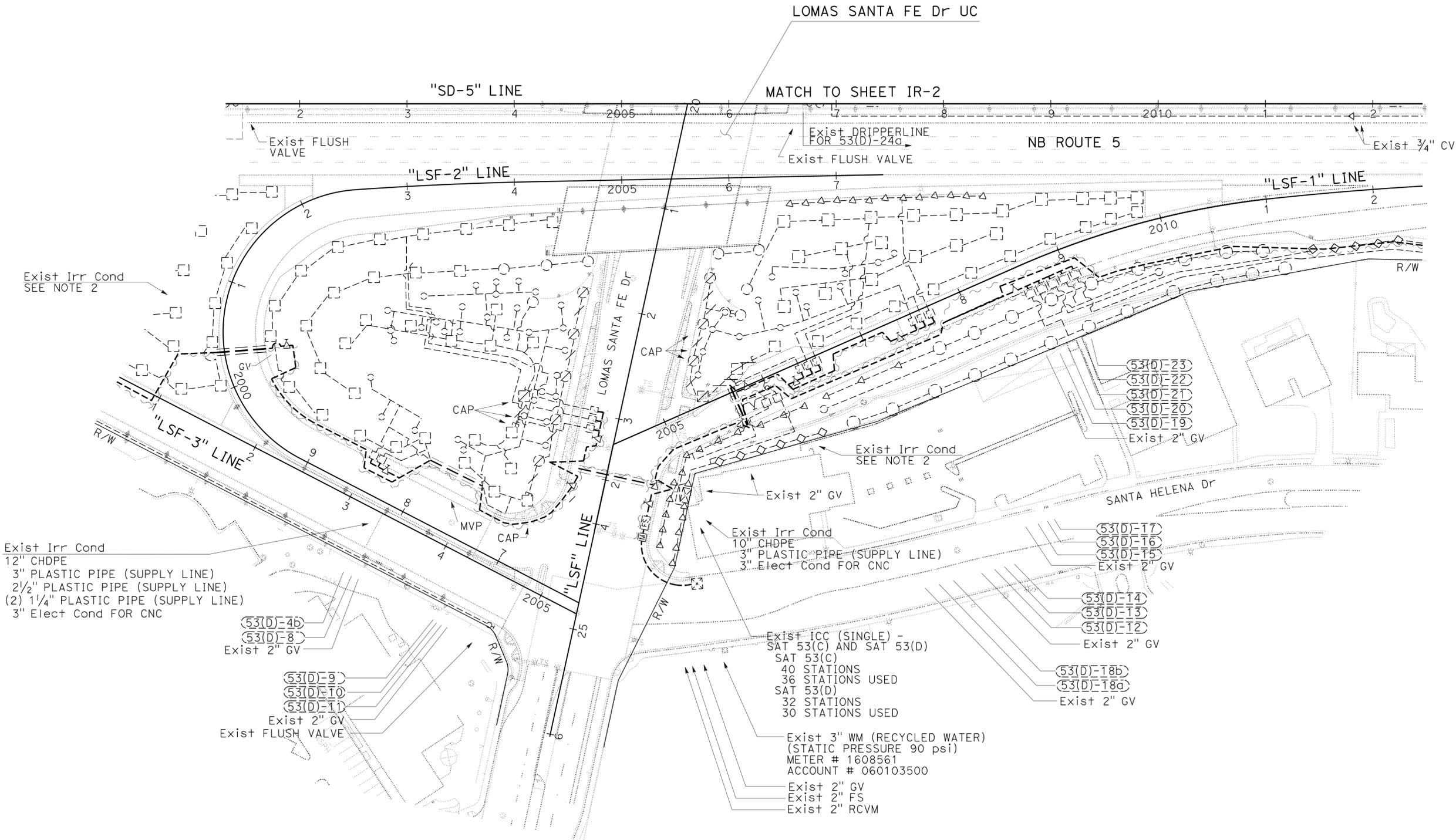
LICENSED LANDSCAPE ARCHITECT
 05-05-14
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- ALL Exist IRRIGATION CONDUITS ARE 8" CHDPE, WITH 3" PLASTIC PIPE (SUPPLY LINE), AND 2" Elect Cond FOR CNC UNLESS OTHERWISE NOTED.



SOLANA BEACH



IRRIGATION REMOVAL PLAN
IR-1

SCALE: 1" = 50'

APPROVED FOR IRRIGATION REMOVAL WORK ONLY

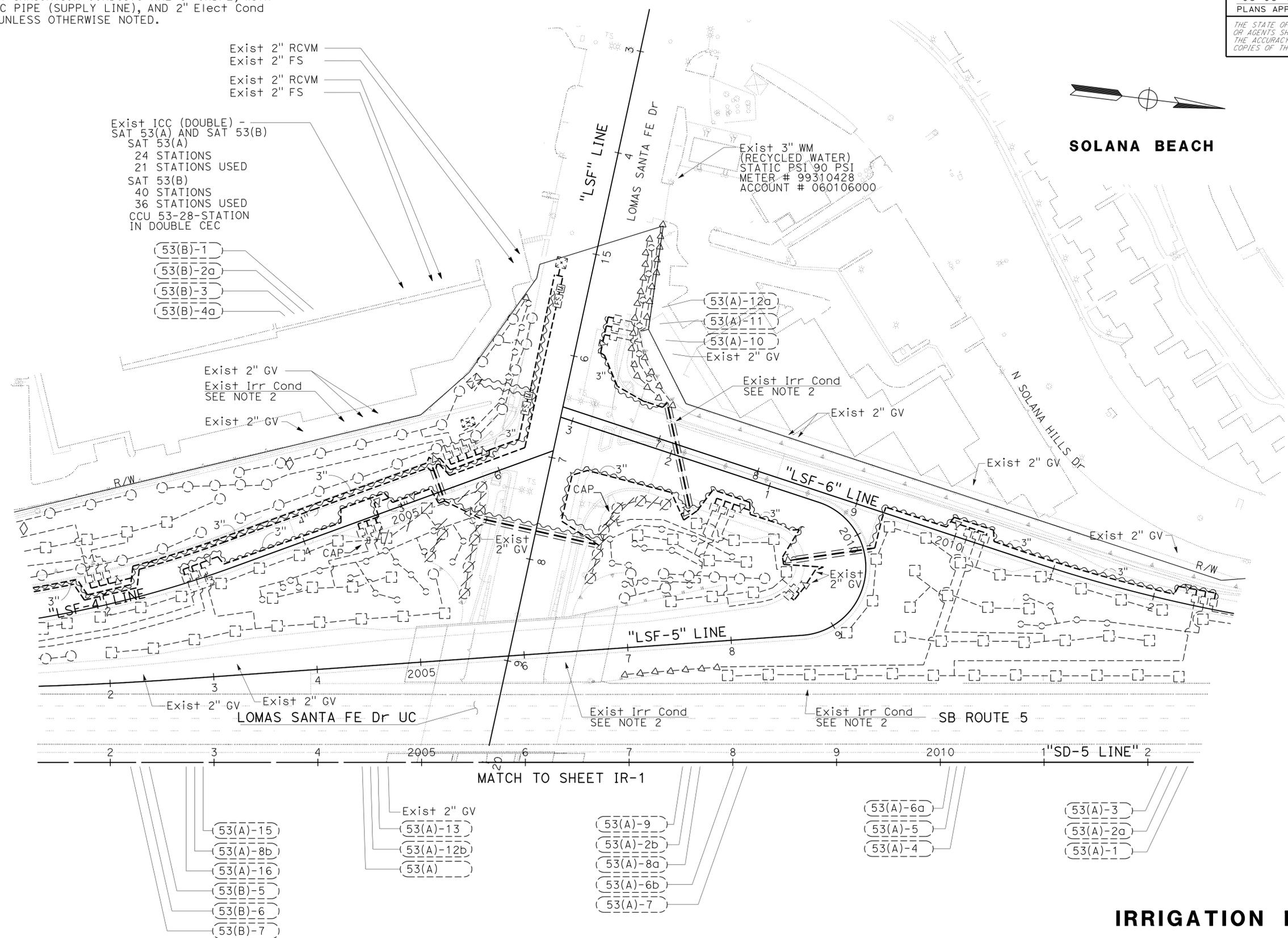
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 LANDSCAPE ARCHITECTURE
 SENIOR LANDSCAPE ARCHITECT
 CHECKED BY
 CALCULATED/DESIGNED BY
 RODNEY MAYFIELD
 REVISOR
 REVISED BY
 JOEL HORTIZUELA
 DATE REVISOR

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	20	67

 LICENSED LANDSCAPE ARCHITECT		
05-05-14 PLANS APPROVAL DATE		
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Exist ICC (DOUBLE) -
 SAT 53(A) AND SAT 53(B)
 SAT 53(A)
 24 STATIONS
 21 STATIONS USED
 SAT 53(B)
 40 STATIONS
 36 STATIONS USED
 CCU 53-28-STATION
 IN DOUBLE CEC

- (53(B)-1)
- (53(B)-2a)
- (53(B)-3)
- (53(B)-4a)

Exist 2" GV
 Exist Irr Cond
 SEE NOTE 2
 Exist 2" GV

Exist 3" WM
 (RECYCLED WATER)
 STATIC PSI 90 PSI
 METER # 99310428
 ACCOUNT # 060106000

- (53(A)-12a)
- (53(A)-11)
- (53(A)-10)
- Exist 2" GV

Exist Irr Cond
 SEE NOTE 2

Exist 2" GV

Exist Irr Cond
 SEE NOTE 2

Exist Irr Cond
 SEE NOTE 2

SB ROUTE 5

MATCH TO SHEET IR-1

- (53(A)-15)
- (53(A)-8b)
- (53(A)-16)
- (53(B)-5)
- (53(B)-6)
- (53(B)-7)

- Exist 2" GV
- (53(A)-13)
- (53(A)-12b)
- (53(A)-1)

- (53(A)-9)
- (53(A)-2b)
- (53(A)-8a)
- (53(A)-6b)
- (53(A)-7)

- (53(A)-6a)
- (53(A)-5)
- (53(A)-4)

- (53(A)-3)
- (53(A)-2a)
- (53(A)-1)

IRRIGATION REMOVAL PLAN
IR-2

SCALE: 1" = 50'

APPROVED FOR IRRIGATION REMOVAL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	LANDSCAPE ARCHITECTURE
SENIOR LANDSCAPE ARCHITECT	STEPHEN ALVAREZ
CALCULATED/DESIGNED BY	CHECKED BY
RODNEY MAYFIELD	JOEL HORTIZUELA
REVISED BY	DATE

LAST REVISION: DATE PLOTTED => 14-MAY-2014 TIME PLOTTED => 1:32:21

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	21	67

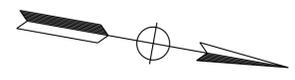
<i>Rodney Mayfield</i>	
LICENSED LANDSCAPE ARCHITECT	
05-05-14	PLANS APPROVAL DATE

<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>	
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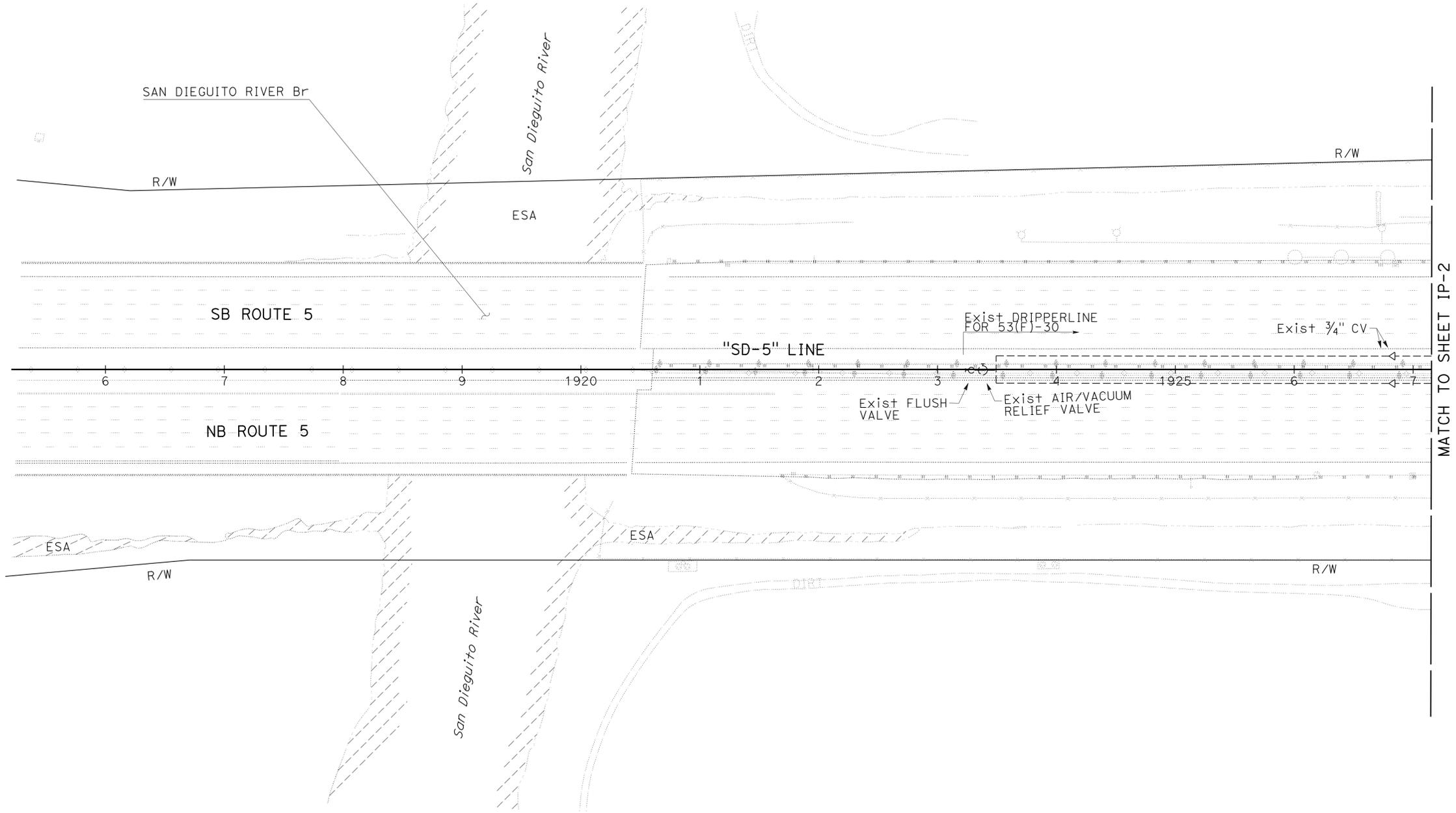
NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- "OPERATE EXISTING IRRIGATION FACILITIES" WORK IS TO BE PERFORMED FOR ALL Exist IRRIGATION SHOWN.

THIS AREA IRRIGATED WITH RECYCLED WATER



SAN DIEGO



MATCH TO SHEET IP-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE
 SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ
 CALCULATED/DESIGNED BY: CHECKED BY:
 RODNEY MAYFIELD: JOEL HORTIZUELA
 REVISED BY: DATE REVISED:

IRRIGATION PLAN

IP-1

APPROVED FOR IRRIGATION WORK ONLY

SCALE: 1" = 50'

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	22	67

 LICENSED LANDSCAPE ARCHITECT		
05-05-14 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.

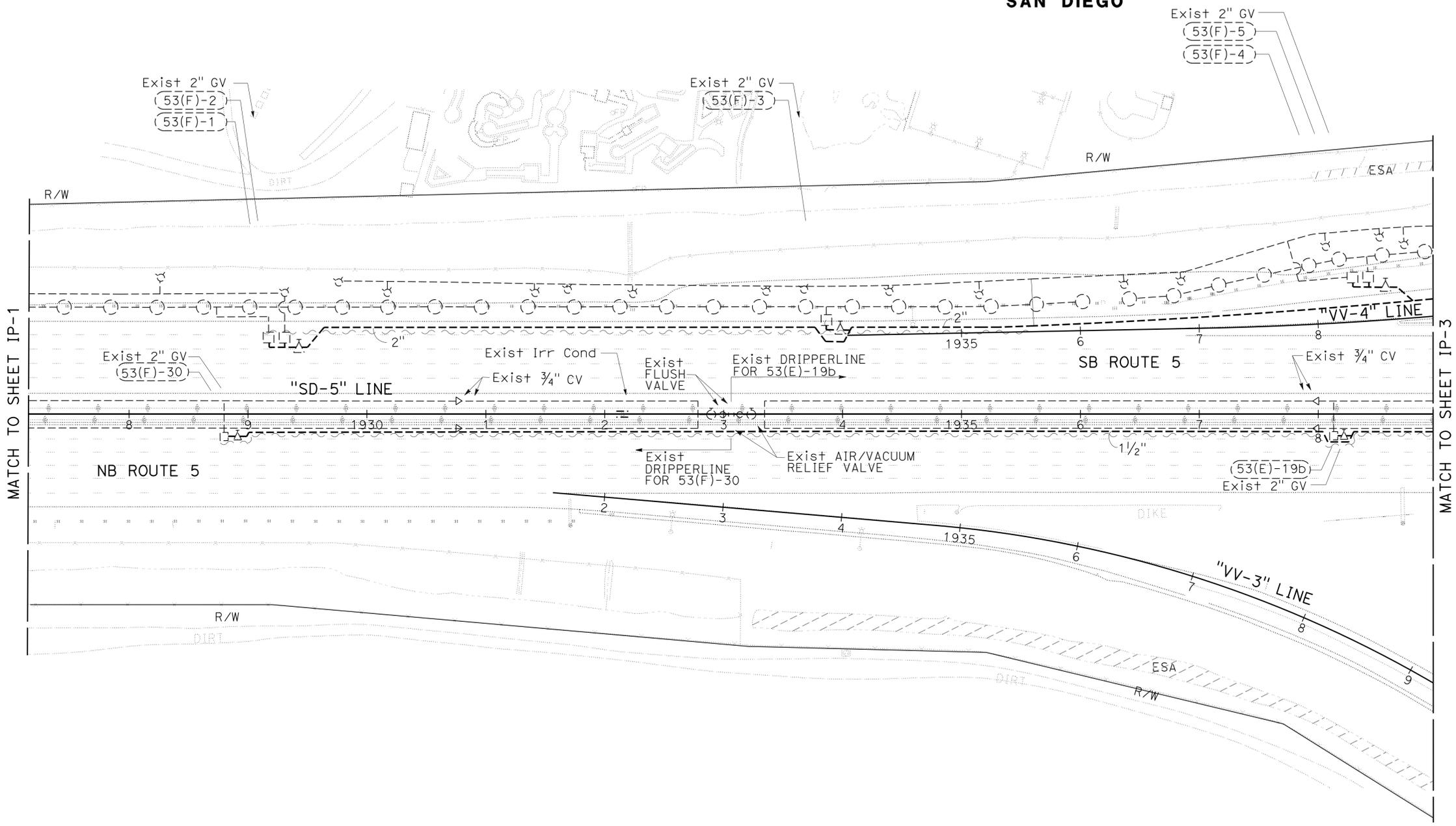
NOTES:

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THIS AREA IRRIGATED WITH RECYCLED WATER



SAN DIEGO



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	REVISOR	DATE
Caltrans LANDSCAPE ARCHITECTURE	RODNEY MAYFIELD	05-05-14
	JOEL HORTIZUELA	
SENIOR LANDSCAPE ARCHITECT	CHECKED BY	
STEPHEN ALVAREZ	DESIGNED BY	

APPROVED FOR IRRIGATION WORK ONLY

SCALE: 1" = 50'

IP-2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	24	67

LICENSED LANDSCAPE ARCHITECT
 05-05-14
 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.

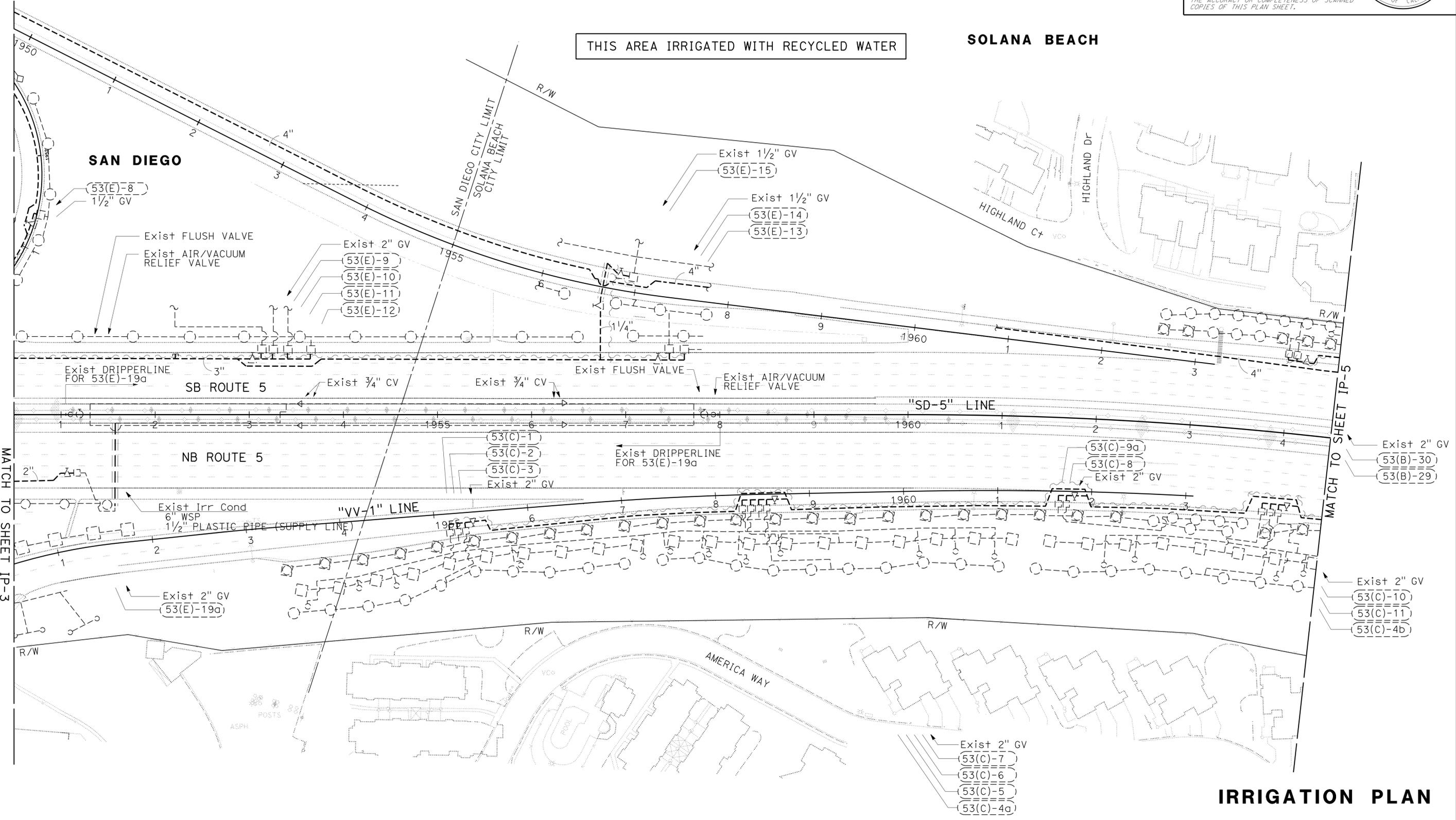
NOTE:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
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THIS AREA IRRIGATED WITH RECYCLED WATER

SOLANA BEACH



MATCH TO SHEET IP-3

MATCH TO SHEET IP-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 LANDSCAPE ARCHITECTURE
 SENIOR LANDSCAPE ARCHITECT
 RODNEY MAYFIELD
 REVISOR
 JOEL HORTIZUELA
 DATE REVISOR
 CHECKED BY
 STEPHEN ALVAREZ

APPROVED FOR IRRIGATION WORK ONLY

SCALE: 1" = 50'

IRRIGATION PLAN
IP-4

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	25	67

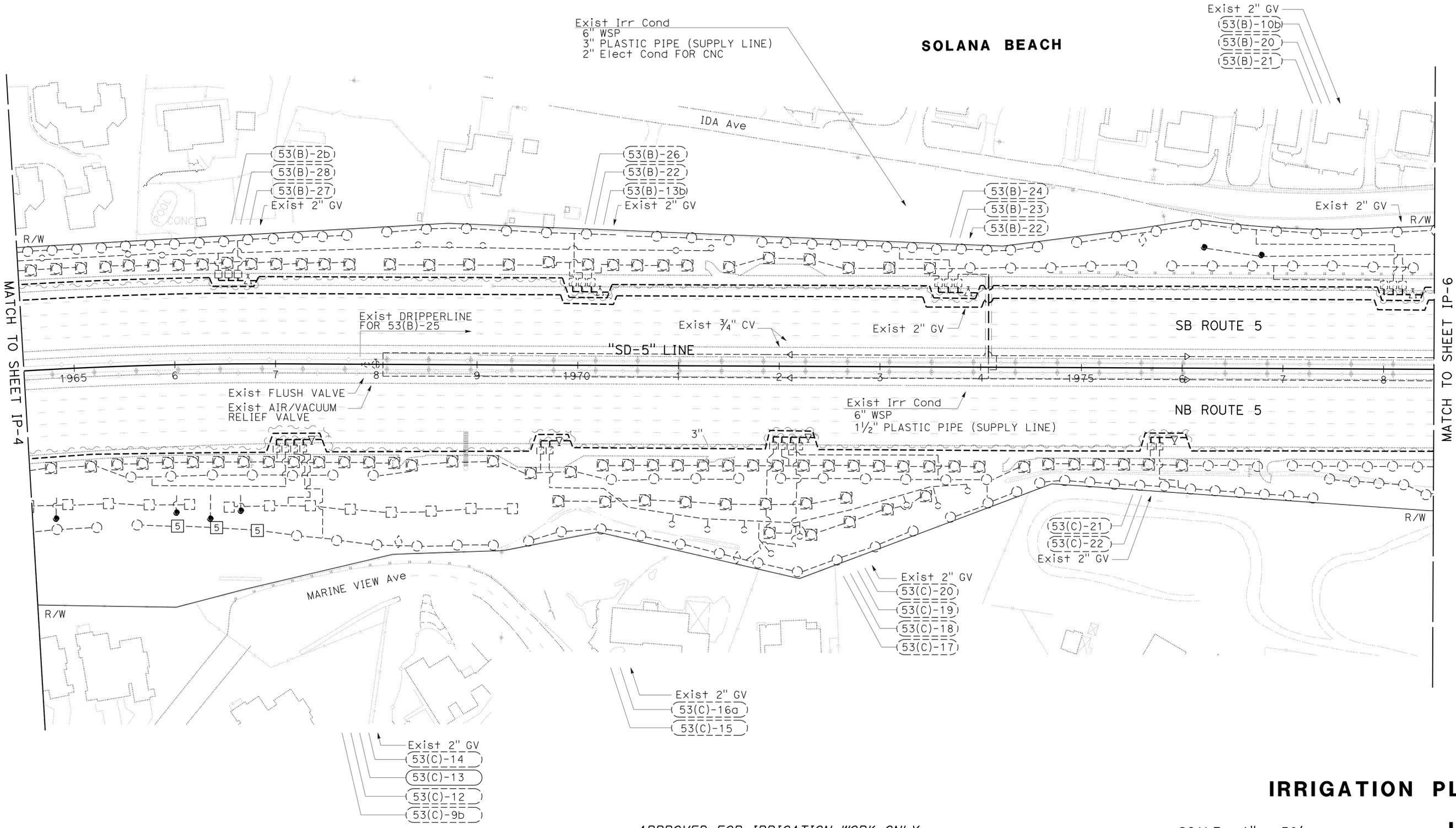
 LICENSED LANDSCAPE ARCHITECT		
05-05-14 PLANS APPROVAL DATE		
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>		

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THIS AREA IRRIGATED WITH RECYCLED WATER

SOLANA BEACH



MATCH TO SHEET IP-4

MATCH TO SHEET IP-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	LANDSCAPE ARCHITECTURE	SENIOR LANDSCAPE ARCHITECT	RODNEY MAYFIELD	REVISOR
		STEPHEN ALVAREZ	JOEL HORTIZUELA	DATE
				REVISED BY
				DATE

APPROVED FOR IRRIGATION WORK ONLY

SCALE: 1" = 50'

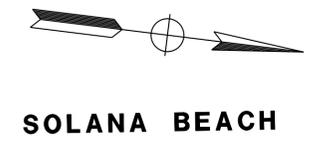
IRRIGATION PLAN
IP-5

LAST REVISION: DATE PLOTTED => 14-MAY-2014 TIME PLOTTED => 1:32:11

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. "OPERATE EXISTING IRRIGATION FACILITIES" WORK IS TO BE PERFORMED FOR ALL Exist IRRIGATION SHOWN.

THIS AREA IRRIGATED WITH RECYCLED WATER, EXCEPT AS SHOWN

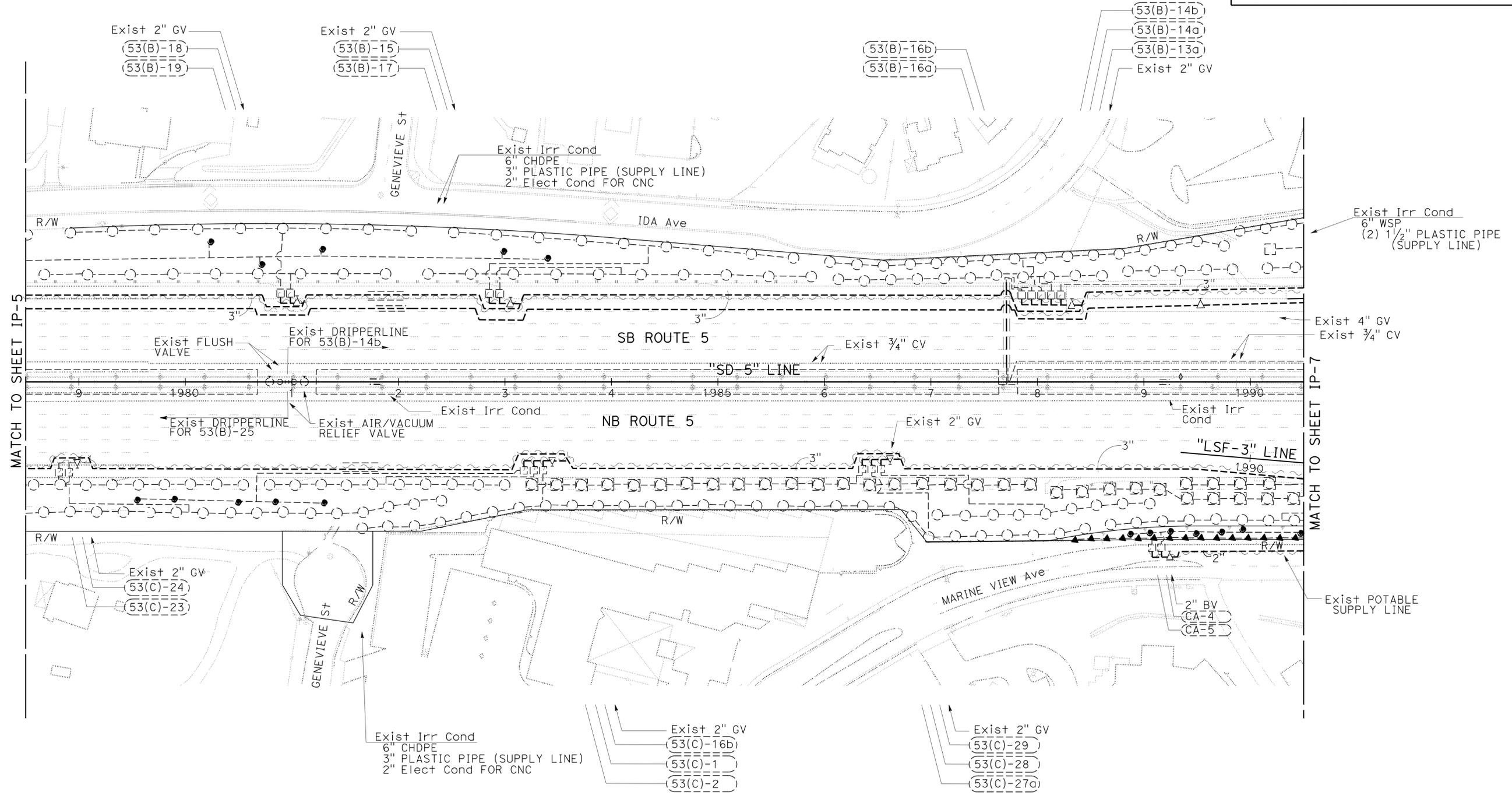


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	26	67

Rodney Mayfield
 LICENSED LANDSCAPE ARCHITECT
 05-05-14
 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
 RODNEY MAYFIELD NO. 356
 05/31/16
 02-13-14
 STATE OF CALIFORNIA



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	REVISOR	DATE
Caltrans LANDSCAPE ARCHITECTURE	RODNEY MAYFIELD	05-05-14
	JOEL HORTIZUELA	
	STEPHEN ALVAREZ	

APPROVED FOR IRRIGATION WORK ONLY

IRRIGATION PLAN

IP-6

LAST REVISION: 03-07-14
 DATE PLOTTED => 14-MAY-2014
 TIME PLOTTED => 1:32:11

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. "OPERATE EXISTING IRRIGATION FACILITIES" WORK IS TO BE PERFORMED FOR ALL Exist IRRIGATION SHOWN.

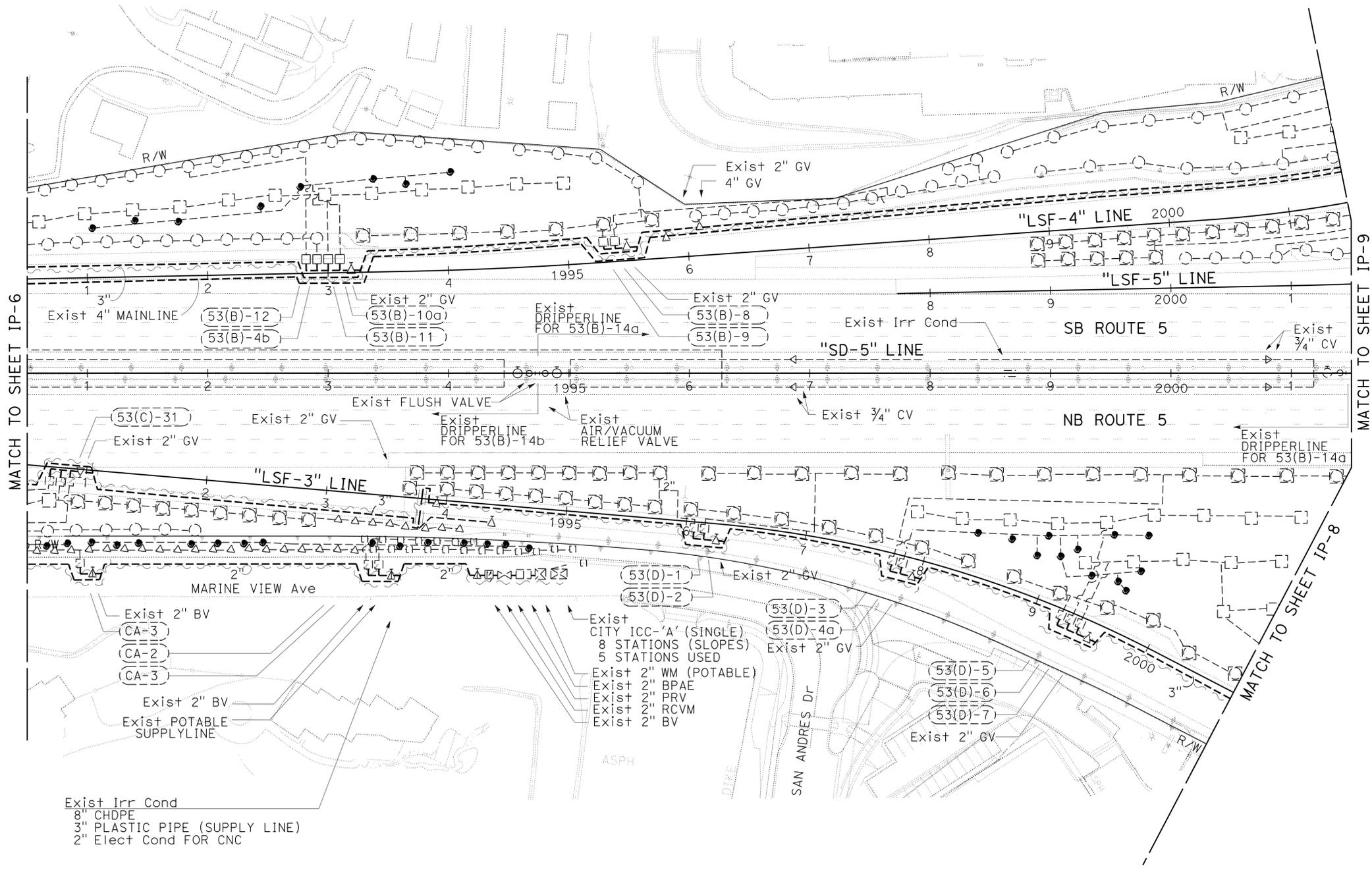
THIS AREA IRRIGATED WITH RECYCLED WATER, EXCEPT AS SHOWN



SOLANA BEACH

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	27	67

Rodney Mayfield
 LICENSED LANDSCAPE ARCHITECT
 05-05-14
 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.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	LANDSCAPE ARCHITECTURE	SENIOR LANDSCAPE ARCHITECT	CHECKED BY	RODNEY MAYFIELD	REVISOR BY
Caltrans		STEPHEN ALVAREZ	CALCULATED/DESIGNED BY	JOEL HORTIZUELA	DATE REVISED

APPROVED FOR IRRIGATION WORK ONLY

SCALE: 1" = 50'

IRRIGATION PLAN

IP-7

LAST REVISION DATE PLOTTED => 14-MAY-2014 03-07-14 TIME PLOTTED => 13:21

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	29	67

Rodney Mayfield
 LICENSED LANDSCAPE ARCHITECT
 05-05-14
 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.

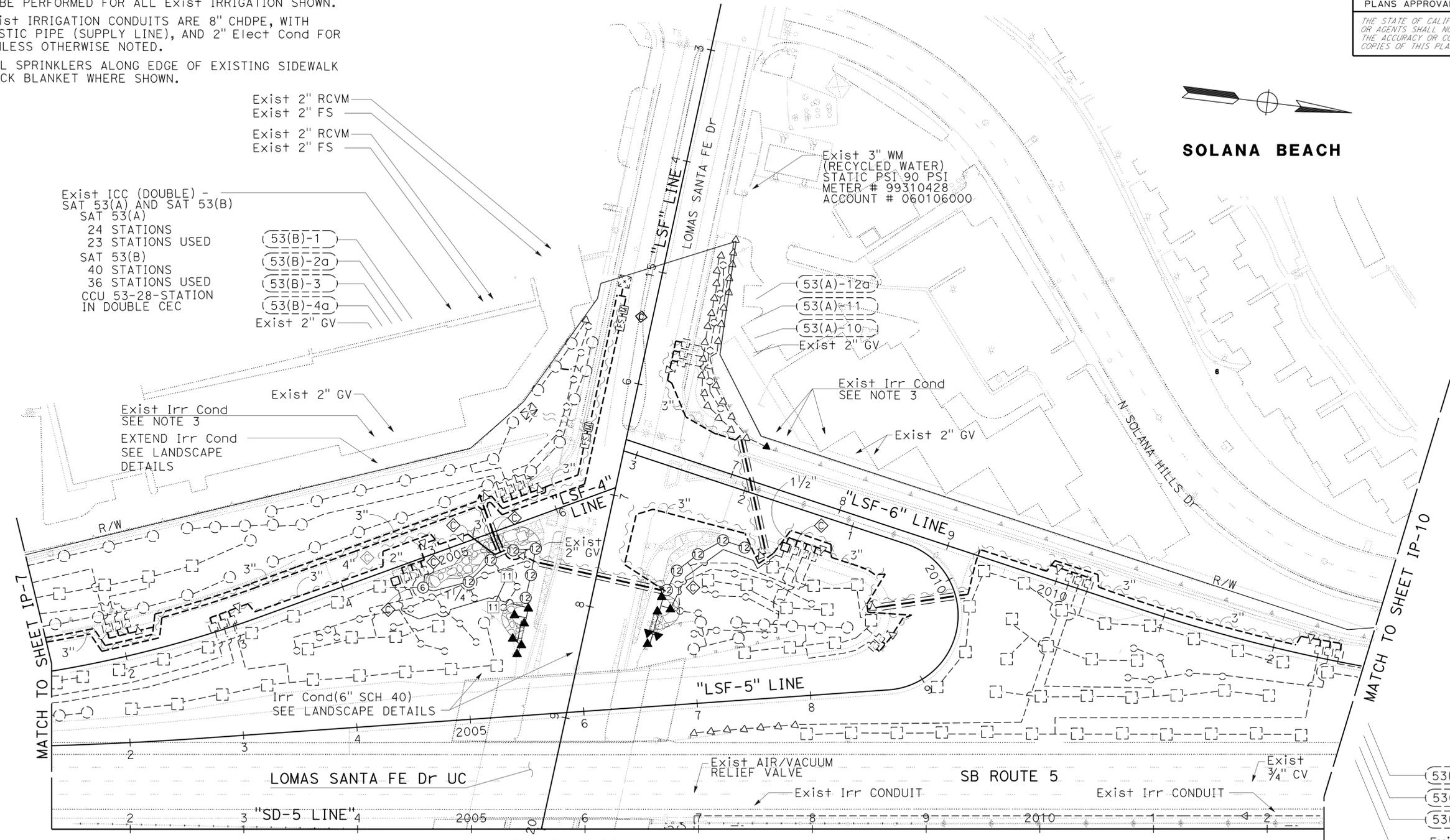
NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. "OPERATE EXISTING IRRIGATION FACILITIES" WORK IS TO BE PERFORMED FOR ALL Exist IRRIGATION SHOWN.
3. ALL Exist IRRIGATION CONDUITS ARE 8" CHDPE, WITH 3" PLASTIC PIPE (SUPPLY LINE), AND 2" Elect Cond FOR CNC UNLESS OTHERWISE NOTED.
4. INSTALL SPRINKLERS ALONG EDGE OF EXISTING SIDEWALK AND ROCK BLANKET WHERE SHOWN.

THIS AREA IRRIGATED WITH RECYCLED WATER



SOLANA BEACH



Exist ICC (DOUBLE) -
 SAT 53(A) AND SAT 53(B)
 SAT 53(A)
 24 STATIONS
 23 STATIONS USED
 SAT 53(B)
 40 STATIONS
 36 STATIONS USED
 CCU 53-28-STATION
 IN DOUBLE CEC

- (53(B)-1)
- (53(B)-2a)
- (53(B)-3)
- (53(B)-4a)
- Exist 2" GV

- (53(A)-12a)
- (53(A)-11)
- (53(A)-10)
- Exist 2" GV

- (53(A)-1)
- (53(A)-2a)
- (53(A)-3)
- Exist 2" GV

- (53(B)-7)
- (53(B)-6)
- (53(B)-5)
- Exist 2" GV

- Exist 2" GV
- (53(A)-15)
- (53(A)-8b)
- (53(A)-16)

- Exist 2" GV
- (2"-53(A)-13-42)
- SEE NOTE 4
- (53(A)-12b)
- (53(A)-14)
- (1"-53(A)-23-11)
- SEE NOTE 4

- (1"-53(A)-22-11)
- SEE NOTE 4
- (53(A)-9)
- (53(A)-2b)
- (53(A)-8a-9)
- SEE NOTE 4
- Exist 2" GV

- Exist 2" GV
- (53(A)-7)
- (53(A)-6b)

- (53(A)-4)
- (53(A)-5)
- (53(A)-6a)
- Exist 2" GV

APPROVED FOR IRRIGATION WORK ONLY

SCALE: 1" = 50'

IRRIGATION PLAN
IP-9

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	SENIOR LANDSCAPE ARCHITECT	CALCULATED/DESIGNED BY	REVISOR
Caltrans LANDSCAPE ARCHITECTURE	STEPHEN ALVAREZ	CHECKED BY	DATE
	RODNEY MAYFIELD		
	JOEL HORTIZUELA		

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	30	67

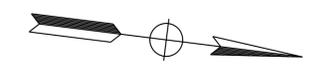
LICENSED LANDSCAPE ARCHITECT
 05-05-14
 PLANS APPROVAL DATE

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.

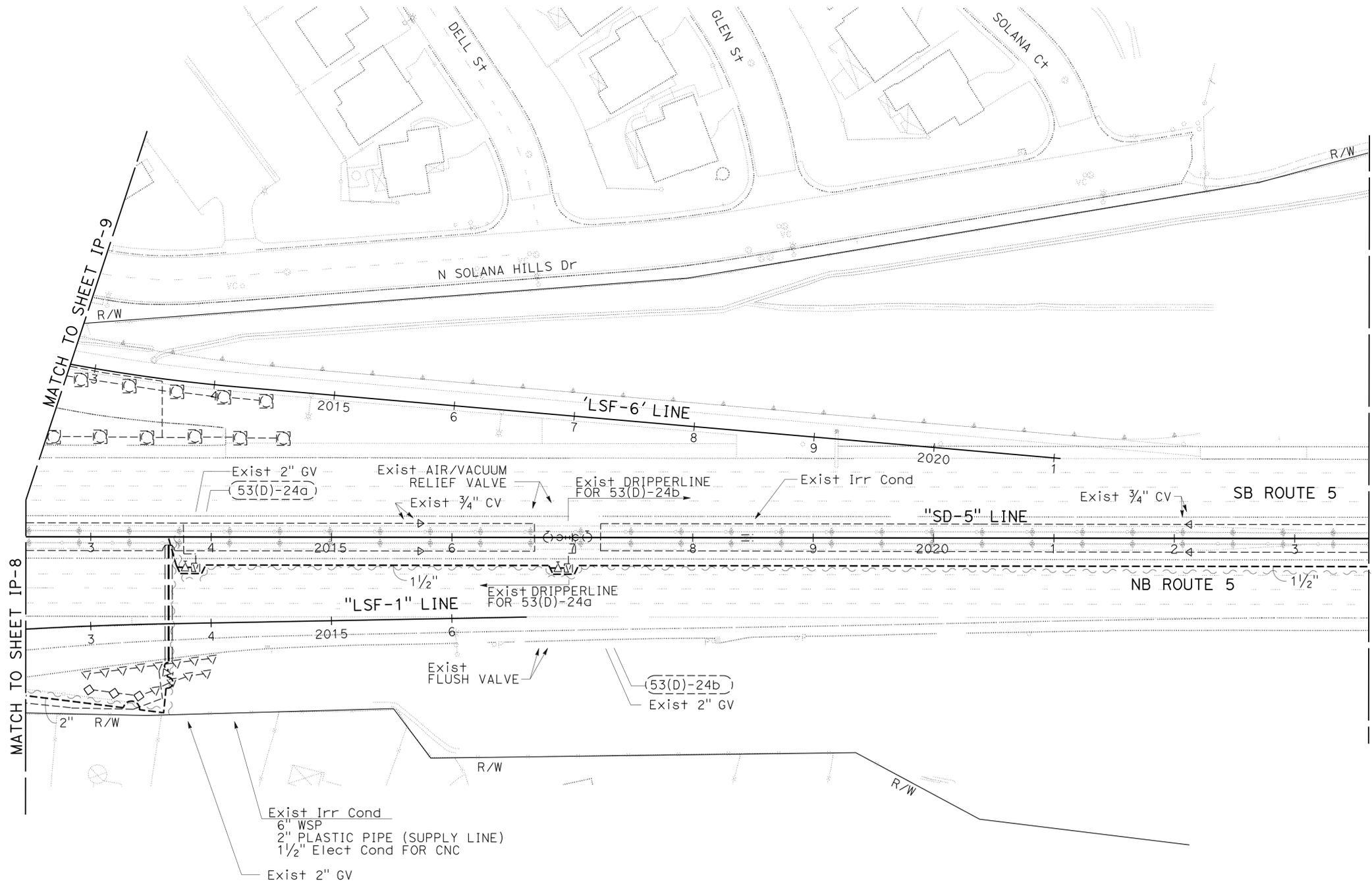
NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
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THIS AREA IRRIGATED WITH RECYCLED WATER



SOLANA BEACH



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	LANDSCAPE ARCHITECTURE	SENIOR LANDSCAPE ARCHITECT	RODNEY MAYFIELD	REVISOR
STEPHEN ALVAREZ	STEPHEN ALVAREZ	STEPHEN ALVAREZ	JOEL HORTIZUELA	DATE
				REVISED BY
				DATE
				REVISOR
				DATE
				REVISOR
				DATE

IRRIGATION PLAN
IP-10

APPROVED FOR IRRIGATION WORK ONLY

SCALE: 1" = 50'

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	31	67

<i>Rodney Mayfield</i>	
LICENSED LANDSCAPE ARCHITECT	
05-05-14	
PLANS APPROVAL DATE	

LICENSED LANDSCAPE ARCHITECT RODNEY MAYFIELD No. 356 05-31-16 02-18-14 STATE OF CALIFORNIA	
--	--

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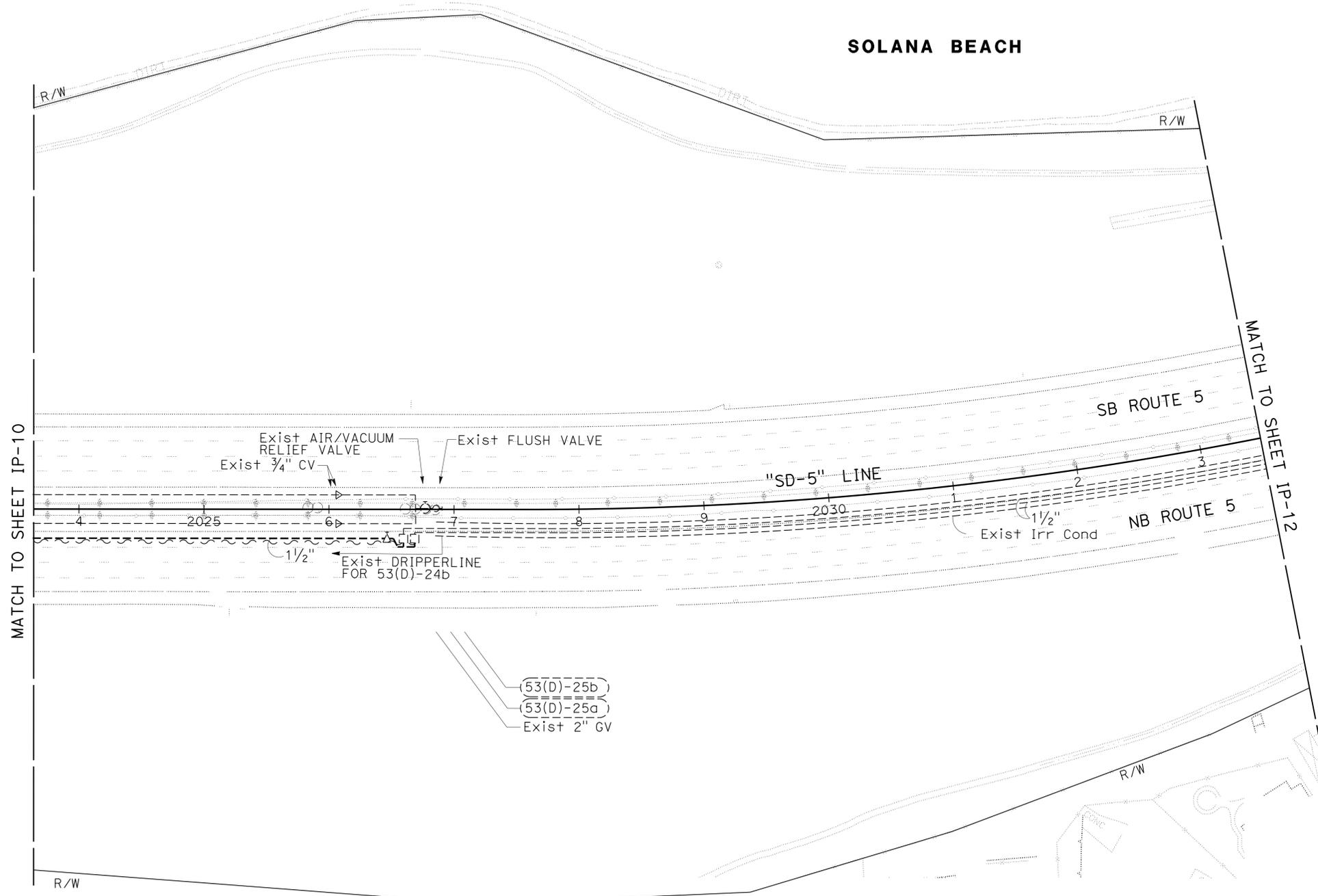
NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. "OPERATE EXISTING IRRIGATION FACILITIES" WORK IS TO BE PERFORMED FOR ALL Exist IRRIGATION SHOWN.

THIS AREA IRRIGATED WITH RECYCLED WATER



SOLANA BEACH



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	LANDSCAPE ARCHITECTURE	SENIOR LANDSCAPE ARCHITECT	CALCULATED/DESIGNED BY	RODNEY MAYFIELD	REVISED BY
Caltrans		STEPHEN ALVAREZ	CHECKED BY	JOEL HORTIZUELA	DATE REVISED

IRRIGATION PLAN

IP-11

APPROVED FOR IRRIGATION WORK ONLY

SCALE: 1" = 50'



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	32	67

Rodney Mayfield
 LICENSED LANDSCAPE ARCHITECT
 05-05-14
 PLANS APPROVAL DATE

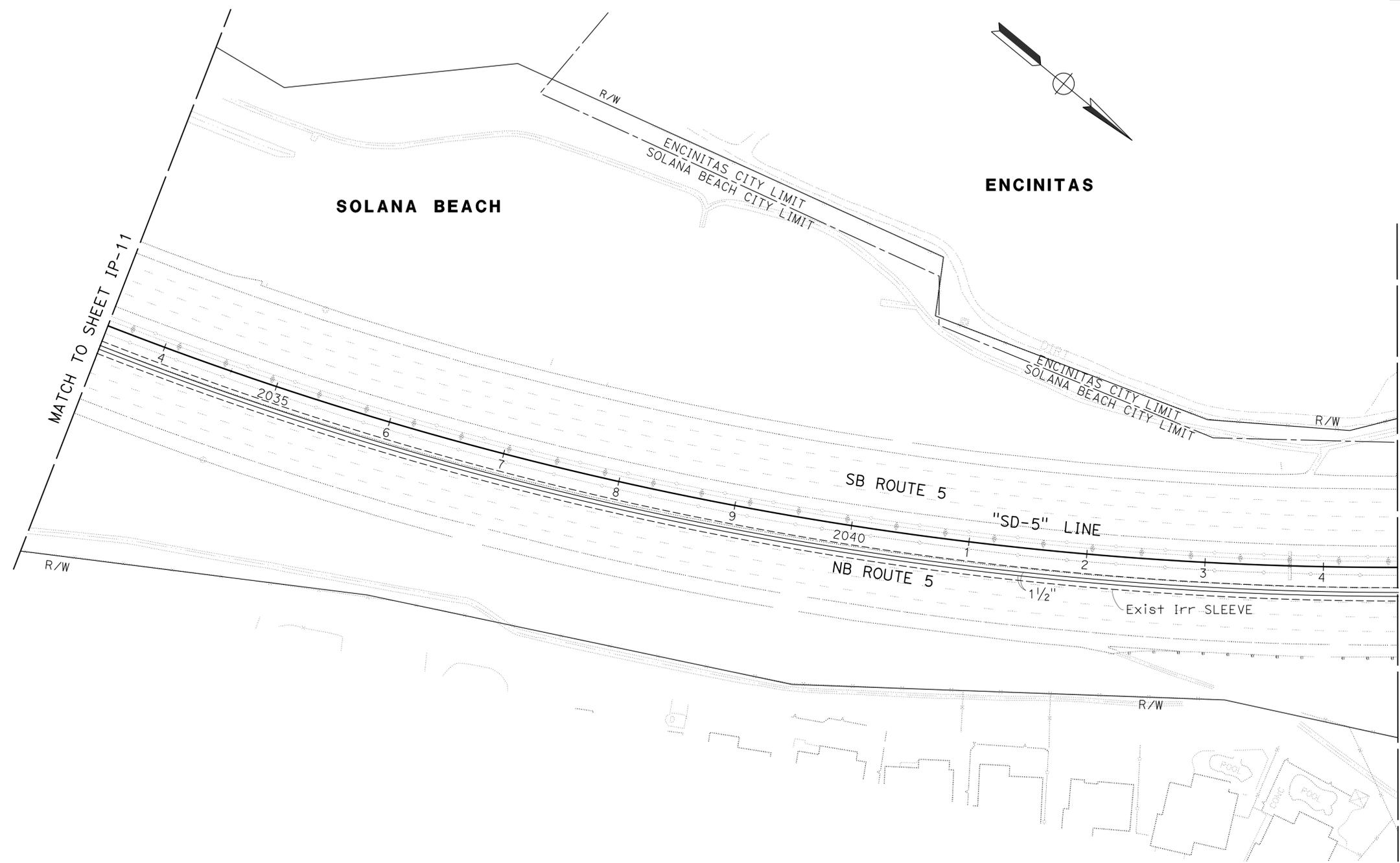
05-31-16
 02-18-14

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	LANDSCAPE ARCHITECTURE	SENIOR LANDSCAPE ARCHITECT	CALCULATED-DESIGNED BY	RODNEY MAYFIELD	REVISED BY
Caltrans		STEPHEN ALVAREZ	CHECKED BY	JOEL HORTIZUELA	DATE REVISED

IRRIGATION PLAN

IP-12

APPROVED FOR IRRIGATION WORK ONLY

SCALE: 1" = 50'

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	33	67

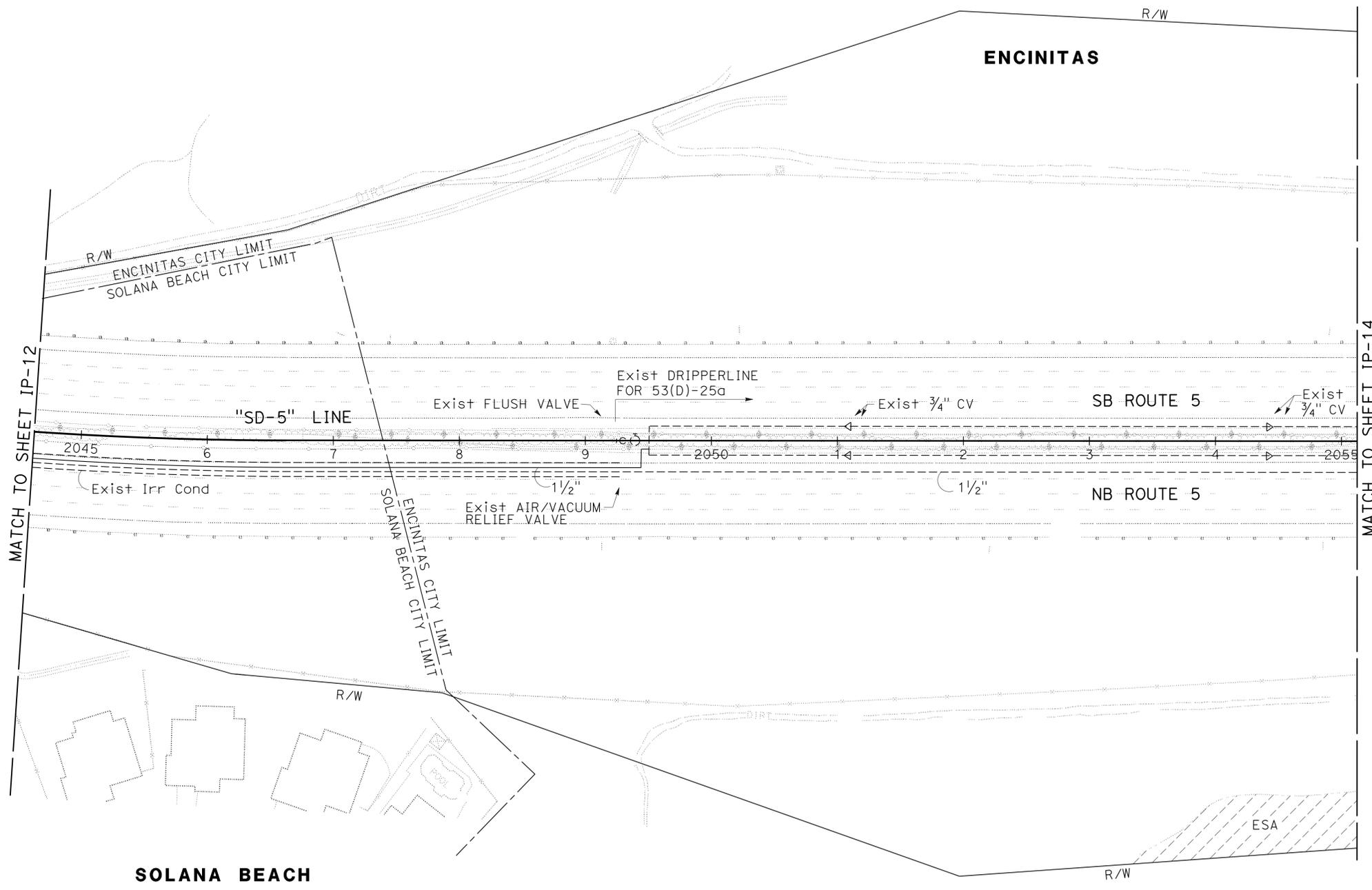
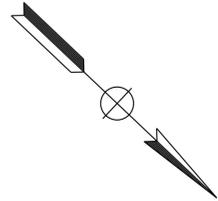
 LICENSED LANDSCAPE ARCHITECT		
05-05-14 PLANS APPROVAL DATE		

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.

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THIS AREA IRRIGATED WITH RECYCLED WATER



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	LANDSCAPE ARCHITECTURE	SENIOR LANDSCAPE ARCHITECT	CALCULATED/DESIGNED BY	RODNEY MAYFIELD	REVISED BY
Caltrans	LANDSCAPE ARCHITECTURE	STEPHEN ALVAREZ	CHECKED BY	JOEL HORTIZUELA	DATE REVISED

BORDER LAST REVISED 7/2/2010

USERNAME => s127400
DGN FILE => 1112000022sp013.dgn



UNIT 2816

PROJECT NUMBER & PHASE 11120000221

IRRIGATION PLAN

IP-13

APPROVED FOR IRRIGATION WORK ONLY

LAST REVISION: DATE PLOTTED => 14-MAY-2014 TIME PLOTTED => 1:32:11

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	34	67

Rodney Mayfield
 LICENSED LANDSCAPE ARCHITECT
 05-05-14
 PLANS APPROVAL DATE

05-31-16
 02-18-14
 DATE

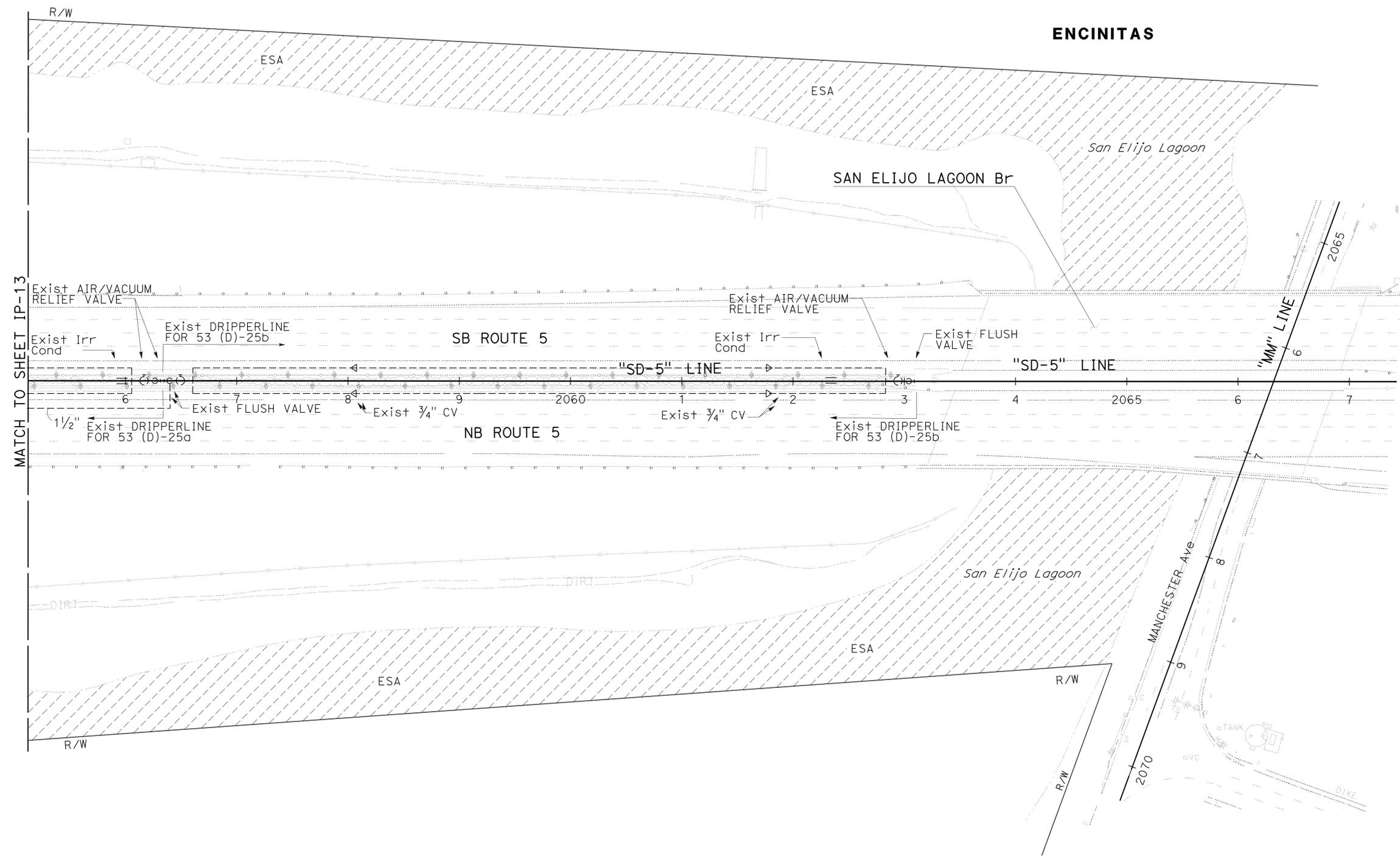
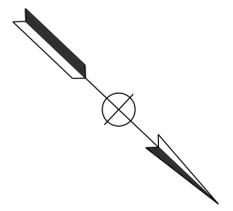
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



NOTES:

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THIS AREA IRRIGATED WITH RECYCLED WATER



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	REVISOR	DATE
Caltrans LANDSCAPE ARCHITECTURE	RODNEY MAYFIELD	05-05-14
	JOEL HORTIZUELA	
	STEPHEN ALVAREZ	

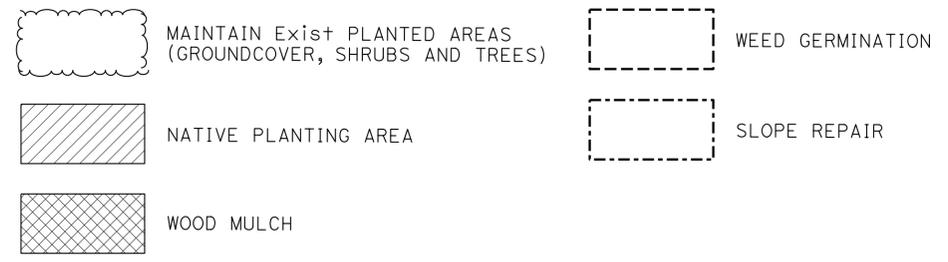
IRRIGATION PLAN

IP-14

APPROVED FOR IRRIGATION WORK ONLY

SCALE: 1" = 50'

LEGEND:



ABBREVIATIONS:

CF — CUBIC FOOT
 CY — CUBIC YARD
 EA — EACH
 F+ — FOOT/FEET
 LB — POUND
 OZ — OUNCE
 SQFT — SQUARE FOOT
 SQYD — SQUARE YARD

PLANT LIST AND PLANTING SPECIFICATIONS

PLANT GROUP	PLANT No.	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY EACH	HOLE SIZE (INCH)		BASIN TYPE	IRON SULFATE ①	SOIL AMEND (CY) ① ⑥	FERTILIZER ①		WOOD MULCH BASIN (CY) ⑤	STAKING	PLANTING LIMITS							REMARKS
							PLANTING	PLT ESTB ①				MINIMUM DISTANCE (ft) FROM					ON CENTER (ft)						
												ETW	Pvm+			FENCE		WALL	PAVED DITCH	EARTH DITCH			
A	1		<u>AGAVE ATTENUATA</u>	FOXTAIL AGAVE	No. 1	148	③	③	II	4 oz	0.008	1 Pkt	7 oz	②	-	3	3	3	3	3	-	⑦	SHRUB
	2		<u>ALOE STRIATA</u>	CORAL ALOE	No. 1	270	③	③	II	4 oz	0.008	1 Pkt	7 oz	②	-	2	2	2	2	-	-	⑦	SHRUB
	3		<u>ARTEMESIA CALIFORNICA</u>	CALIFORNIA SAGEBRUSH	No. 1	712	③	③	II	4 oz	0.008	1 Pkt	7 oz	0.06	-	-	-	-	-	-	-	6	SHRUB ⑧
	4		<u>ENCELIA CALIFORNICA</u>	BUSH SUNFLOWER	No. 1	712	③	③	II	4 oz	0.008	1 Pkt	7 oz	0.06	-	-	-	-	-	-	-	6	SHRUB ⑧
	5		<u>ERIOGONUM FASCICULATUM</u>	FLAT-TOP BUCKWHEAT	No. 1	712	③	③	II	4 oz	0.008	1 Pkt	7 oz	0.06	-	-	-	-	-	-	-	6	SHRUB ⑧
	6		<u>FESTUCA GLAUCA</u>	BLUE FESCUE	No. 1	965	③	③	II	4 oz	0.008	1 Pkt	7 oz	②	-	1	1	1	1	-	-	⑦	SHRUB
	7		<u>SALVIA 'BEES BLISS'</u>	BEES BLISS SAGE	No. 1	76	③	③	II	4 oz	0.008	1 Pkt	7 oz	②	-	3	3	3	3	-	-	⑦	SHRUB
B	8		<u>ENCELIA CALIFORNICA</u>	BUSH SUNFLOWER	No. 5	88	③	③	II	4 oz	0.04	3 Pkt	9 oz	②	-	2	2	-	-	-	-	⑦	SHRUB
	9		<u>MALOSMA LAURINA</u>	LAUREL SUMAC	No. 5	18	③	③	II	4 oz	0.04	3 Pkt	9 oz	0.06	-	-	-	-	-	-	-	⑦	SHRUB
	10		<u>NERIUM OLEANDER 'RUBY LACE'</u>	WHITE FLOWERING OLEANDER	No. 5	98	③	③	II	4 oz	0.04	3 Pkt	9 oz	0.06	-	-	-	-	-	-	-	⑦	SHRUB
	11		<u>NERIUM OLEANDER 'LITTLE RED'</u>	RED FLOWERING OLEANDER	No. 5	93	③	③	II	4 oz	0.04	3 Pkt	9 oz	②	-	2	2	-	-	-	-	⑦	SHRUB
	12		<u>PHORMIUM HYBRID 'FIREBIRD'</u>	FIREBIRD FLAX	No. 5	76	③	③	II	4 oz	0.04	3 Pkt	9 oz	②	-	4	4	4	4	4	-	⑦	SHRUB
	13		<u>ROSEMARINUS OFFICINALIS 'TUSCAN BLUE'</u>	ROSEMARY	No. 5	92	③	③	II	4 oz	0.04	3 Pkt	9 oz	②	-	2	2	2	2	-	-	⑦	SHRUB
	14		<u>RHUS INTEGRIFOLIA</u>	LEMONADE BERRY	No. 5	8	③	③	II	4 oz	0.04	3 Pkt	9 oz	0.06	-	-	-	-	-	-	-	12	SHRUB
-	15		SOD	SOD	SOD	1,054	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-	SOD ⑨ ⑩	

APPLICABLE WHEN CIRCLED:

- ①- QUANTITIES SHOWN ARE "PER PLANT" UNLESS SHOWN AS SQFT OR SQYD APPLICATION RATES
- ②- BASIN MULCH IS INCLUDED WITH MULCH QUANTITIES SHOWN ON PLANTING PLAN
- ③- SUFFICIENT TO RECEIVE ROOT BALL AND AMENDMENTS IF REQUIRED
- 4 - SEE DETAIL
- ⑤- WOOD MULCH IS SHREDDED BARK
- ⑥- SOIL AMENDMENT IS NITROLIZED FIR BARK
- ⑦- AS SHOWN ON PLANS
- ⑧- RANDOMLY MIXED THROUGHOUT ENTIRE DESIGNATED AREA.
- ⑨- SOD COMPRISED OF STIPA PULCHRA, STIPA CERNUA, KOELERIA MACRANTHA & FESTUCA RUBRA
- ⑩- QUANTITY IN SQYD
- ⑪- FERTILIZER IS SLOW RELEASE

NOTES:

1. UNDERLINED PORTIONS OF BOTANICAL NAME INDICATE ABBREVIATIONS USED ON PLANTING PLANS.
2. FOR EROSION CONTROL LEGEND AND SEQUENCE INFORMATION SEE LANDSCAPE QUANTITIES SHEET LQ-1

PLANT LIST PL-1

LAST REVISION DATE PLOTTED => 14-MAY-2014
 03-07-14 TIME PLOTTED => 1:31:22

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT	STEPHEN ALVAREZ
CALCULATED, DESIGNED BY	CHECKED BY
RODNEY MAYFIELD	JOEL HORTIZUELA
REVISED BY	DATE REVISED

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

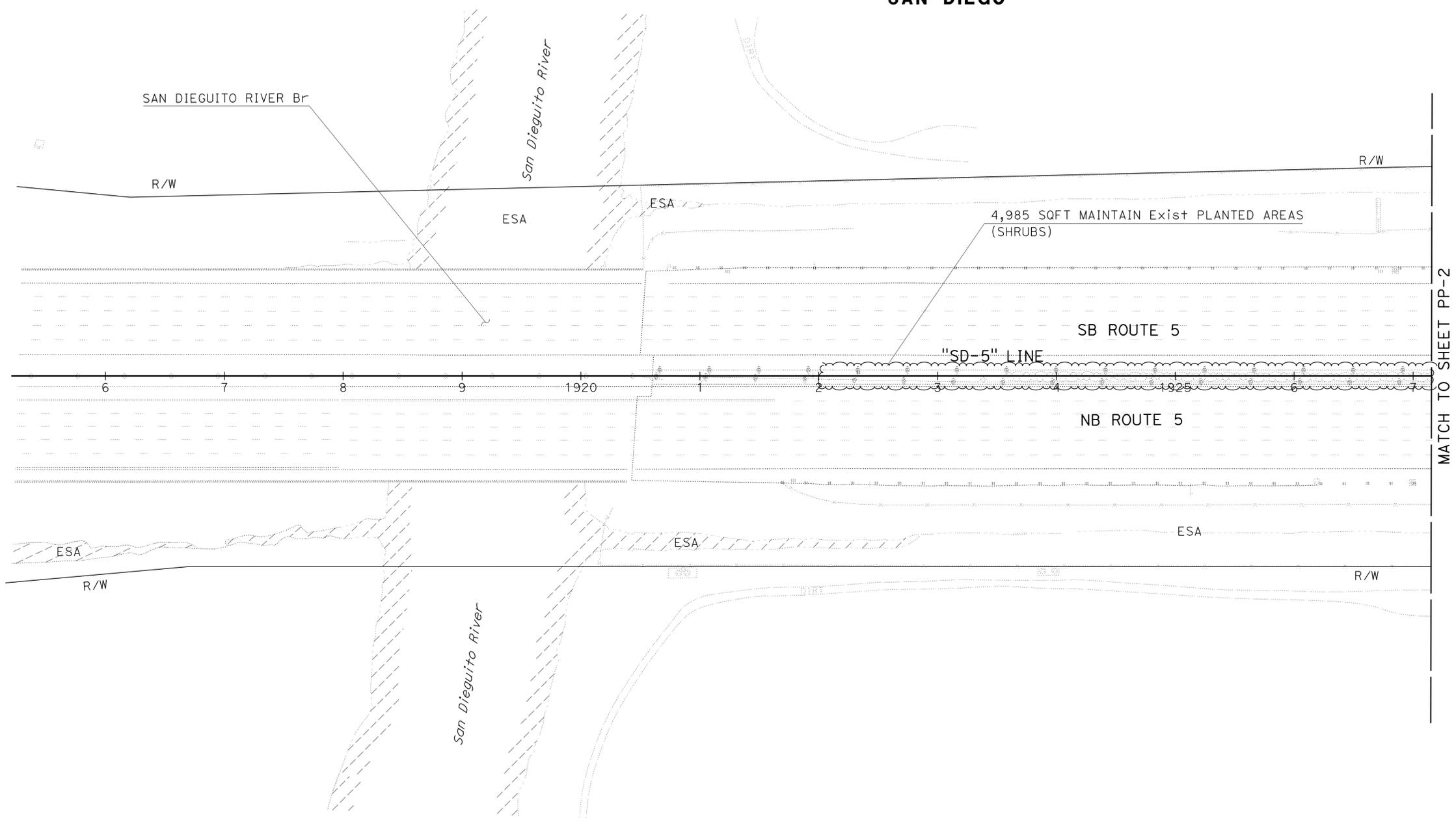
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	37	67

Rodney Mayfield
 LICENSED LANDSCAPE ARCHITECT
 05-05-14
 PLANS APPROVAL DATE

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SAN DIEGO



MATCH TO SHEET PP-2

PLANTING PLAN
PP-1

APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

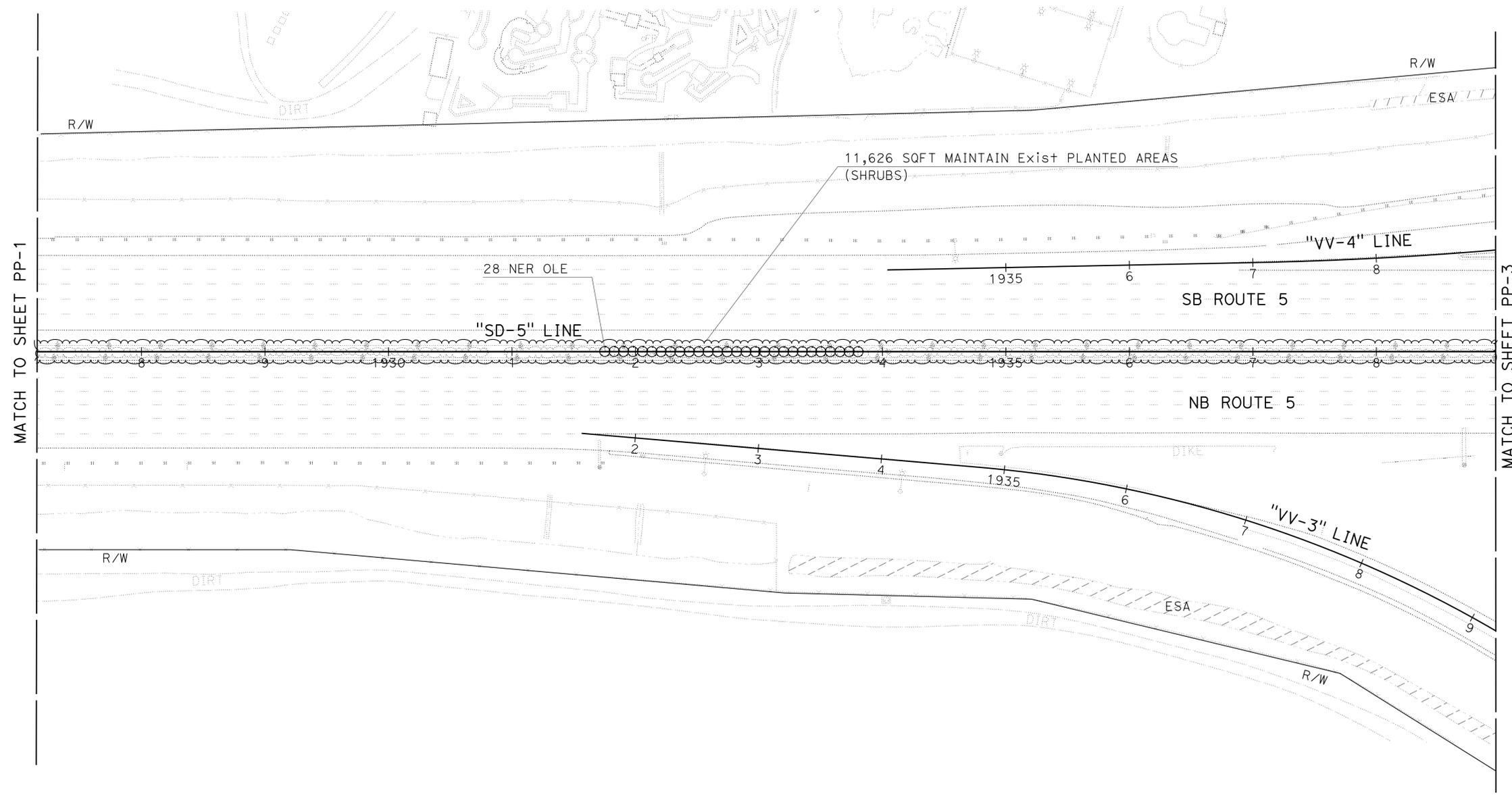
SENIOR LANDSCAPE ARCHITECT	STEPHEN ALVAREZ
CALCULATED/DESIGNED BY	CHECKED BY
RODNEY MAYFIELD	JOEL HORTIZUELA
REVISED BY	DATE REVISED

NOTE:
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	38	67

Rodney Mayfield
 LICENSED LANDSCAPE ARCHITECT
 05-05-14
 PLANS APPROVAL DATE

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PLANTING PLAN
PP-2

APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

LAST REVISION DATE PLOTTED => 14-MAY-2014 03-10-14 TIME PLOTTED => 13:22

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

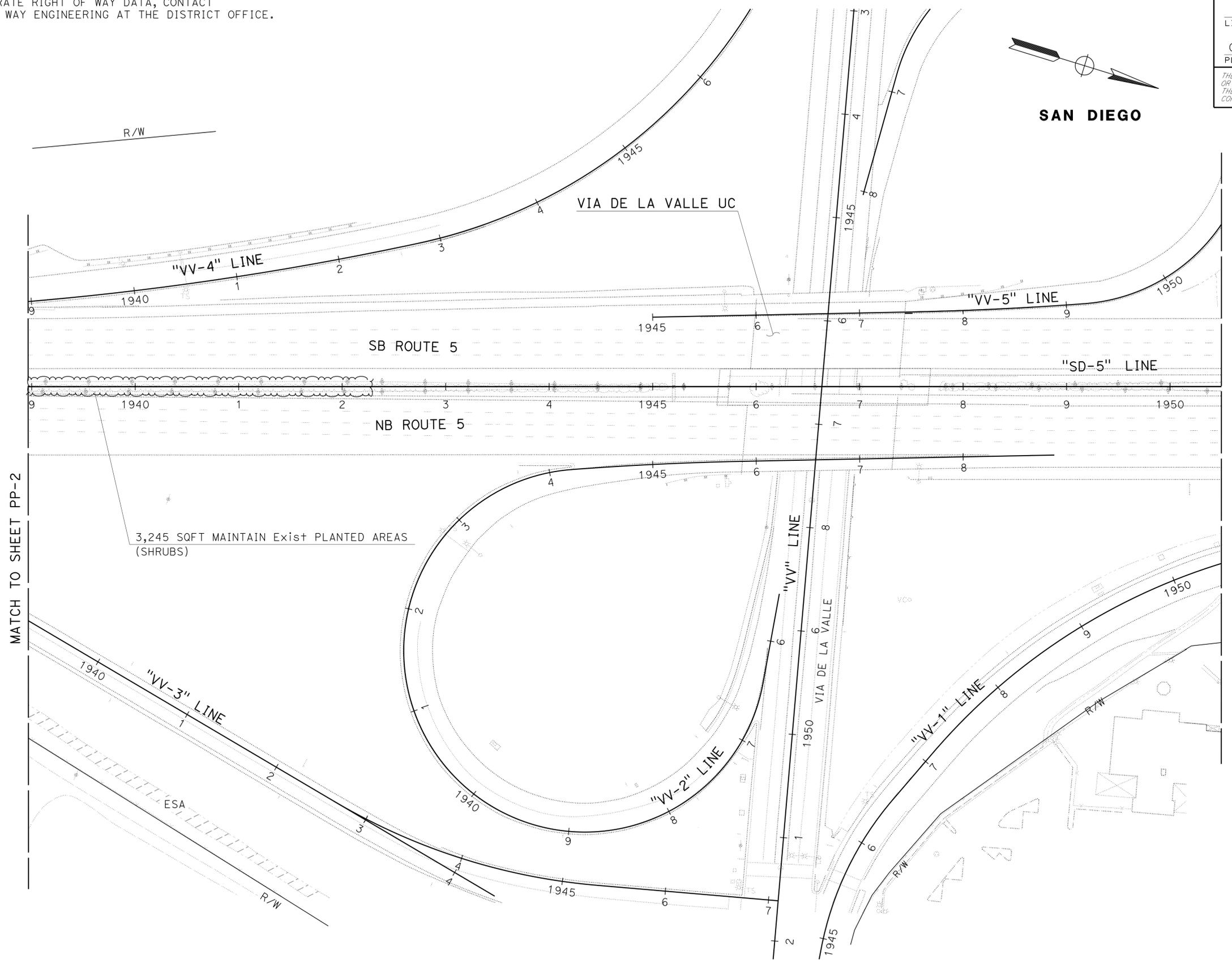
SENIOR LANDSCAPE ARCHITECT	STEPHEN ALVAREZ
CALCULATED/DESIGNED BY	CHECKED BY
RODNEY MAYFIELD	JOEL HORTIZUELA
REVISED BY	DATE REVISED

NOTE:
 1. 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
11	SD	5	R35.8/R38.5	39	67

Rodney Mayfield
 LICENSED LANDSCAPE ARCHITECT
 05-05-14
 PLANS APPROVAL DATE

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APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

PLANTING PLAN
PP-3

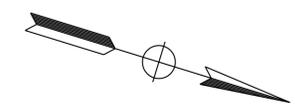
LAST REVISION DATE PLOTTED => 14-MAY-2014 03-10-14 TIME PLOTTED => 13:22

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	40	67

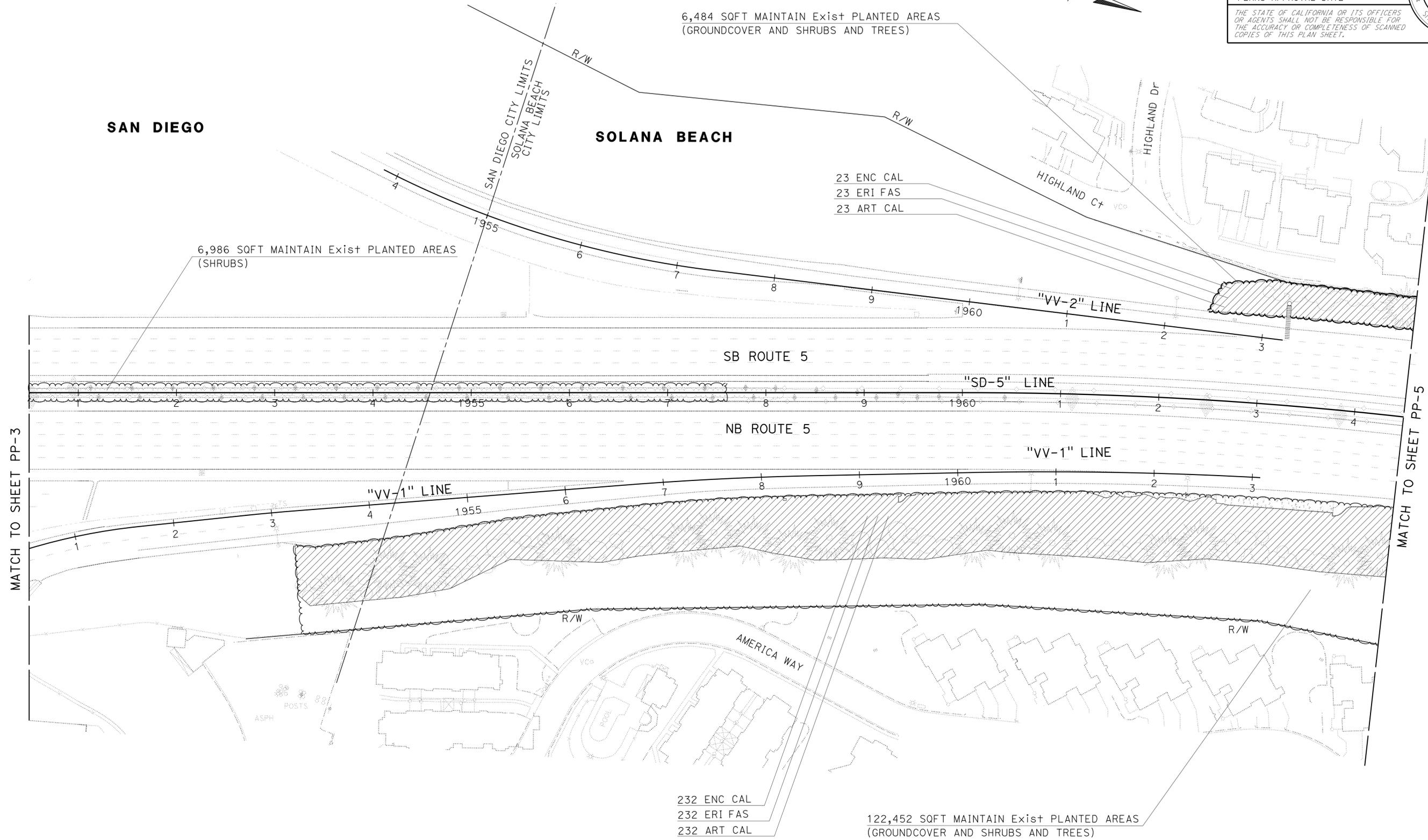
 LICENSED LANDSCAPE ARCHITECT		
05-05-14 PLANS APPROVAL DATE		
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>		

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	LANDSCAPE ARCHITECTURE	SENIOR LANDSCAPE ARCHITECT	CALCULATED/DESIGNED BY	RODNEY MAYFIELD	REVISED BY
Caltrans		STEPHEN ALVAREZ	CHECKED BY	JOEL HORTIZUELA	DATE REVISED



6,484 SQFT MAINTAIN Exist PLANTED AREAS (GROUNDCOVER AND SHRUBS AND TREES)

6,986 SQFT MAINTAIN Exist PLANTED AREAS (SHRUBS)

23 ENC CAL
23 ERI FAS
23 ART CAL

232 ENC CAL
232 ERI FAS
232 ART CAL

122,452 SQFT MAINTAIN Exist PLANTED AREAS (GROUNDCOVER AND SHRUBS AND TREES)

MATCH TO SHEET PP-3

MATCH TO SHEET PP-5

APPROVED FOR PLANTING WORK ONLY

PLANTING PLAN
PP-4

SCALE: 1" = 50'

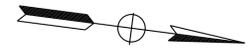
NOTE:

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

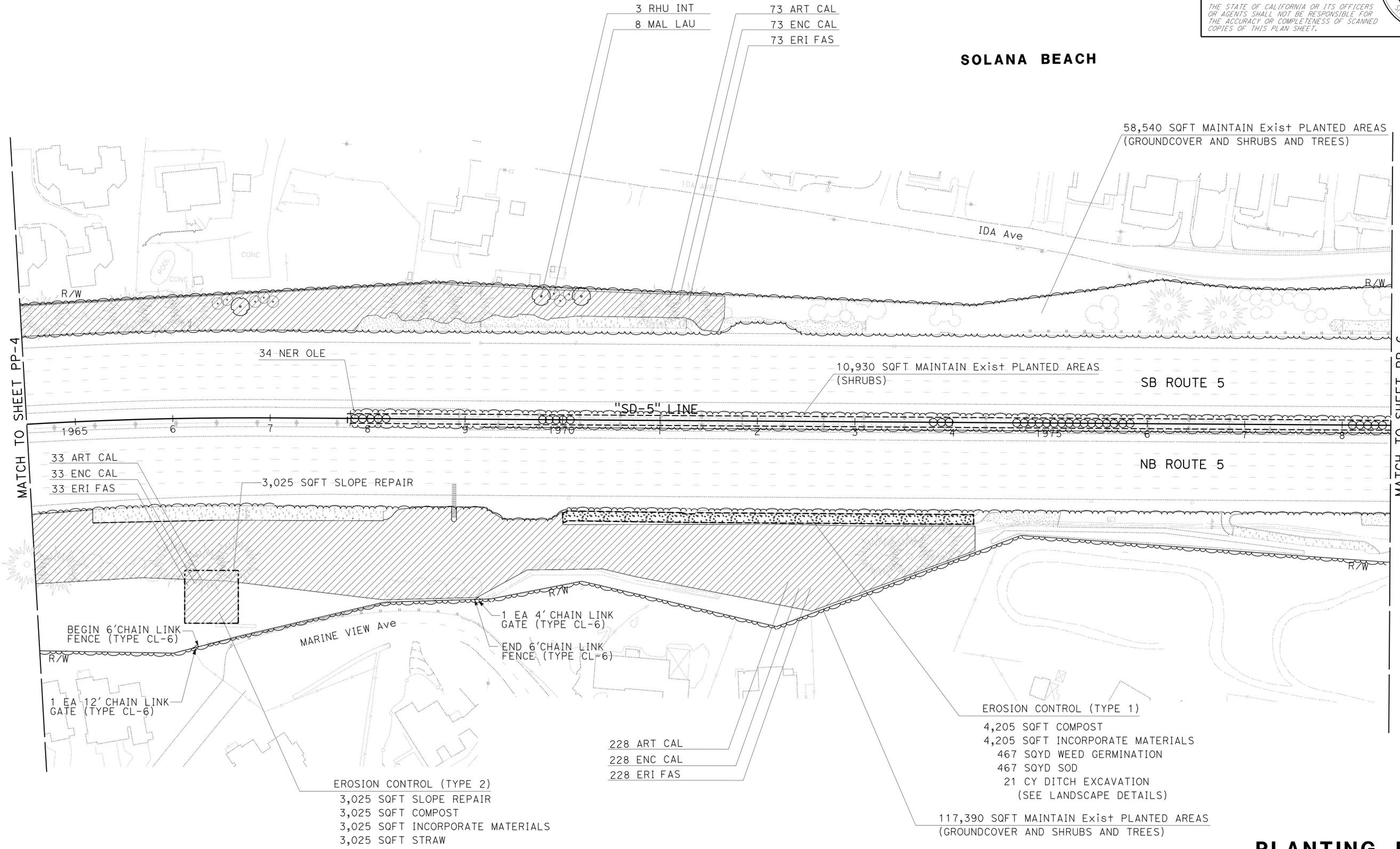
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	41	67

 LICENSED LANDSCAPE ARCHITECT		
05-05-14		
PLANS APPROVAL DATE		

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MATCH TO SHEET PP-4

MATCH TO SHEET PP-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	LANDSCAPE ARCHITECTURE
SENIOR LANDSCAPE ARCHITECT	STEPHEN ALVAREZ
CALCULATED/DESIGNED BY	CHECKED BY
RODNEY MAYFIELD	JOEL HORTIZUELA
REVISED BY	DATE REVISED

APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

PLANTING PLAN
PP-5

LAST REVISION DATE PLOTTED => 14-MAY-2014 03-10-14 TIME PLOTTED => 13:22

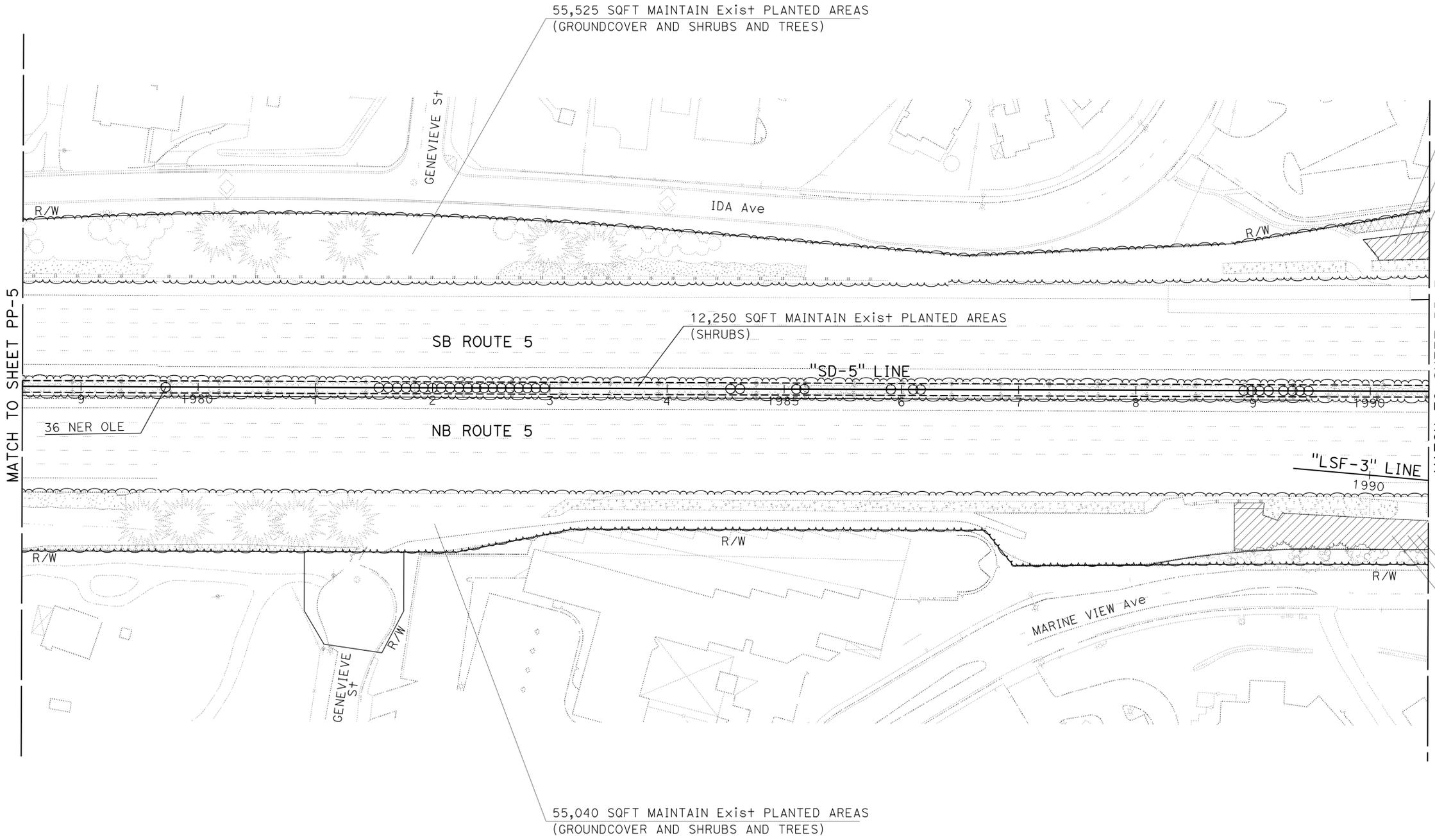
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE
 SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ
 CALCULATED/DESIGNED BY: CHECKED BY:
 RODNEY MAYFIELD / JOEL HORTIZUELA
 REVISED BY: DATE REVISED:

NOTE:
 1. 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
11	SD	5	R35.8/R38.5	42	67

LICENSED LANDSCAPE ARCHITECT
 05-05-14
 PLANS APPROVAL DATE
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SOLANA BEACH



4 ART CAL
 4 ENC CAL
 4 ERI FAS

17 ART CAL
 17 ENC CAL
 17 ERI FAS

APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

PLANTING PLAN
PP-6

LAST REVISION DATE PLOTTED => 14-MAY-2014 03-10-14 TIME PLOTTED => 1:31:22

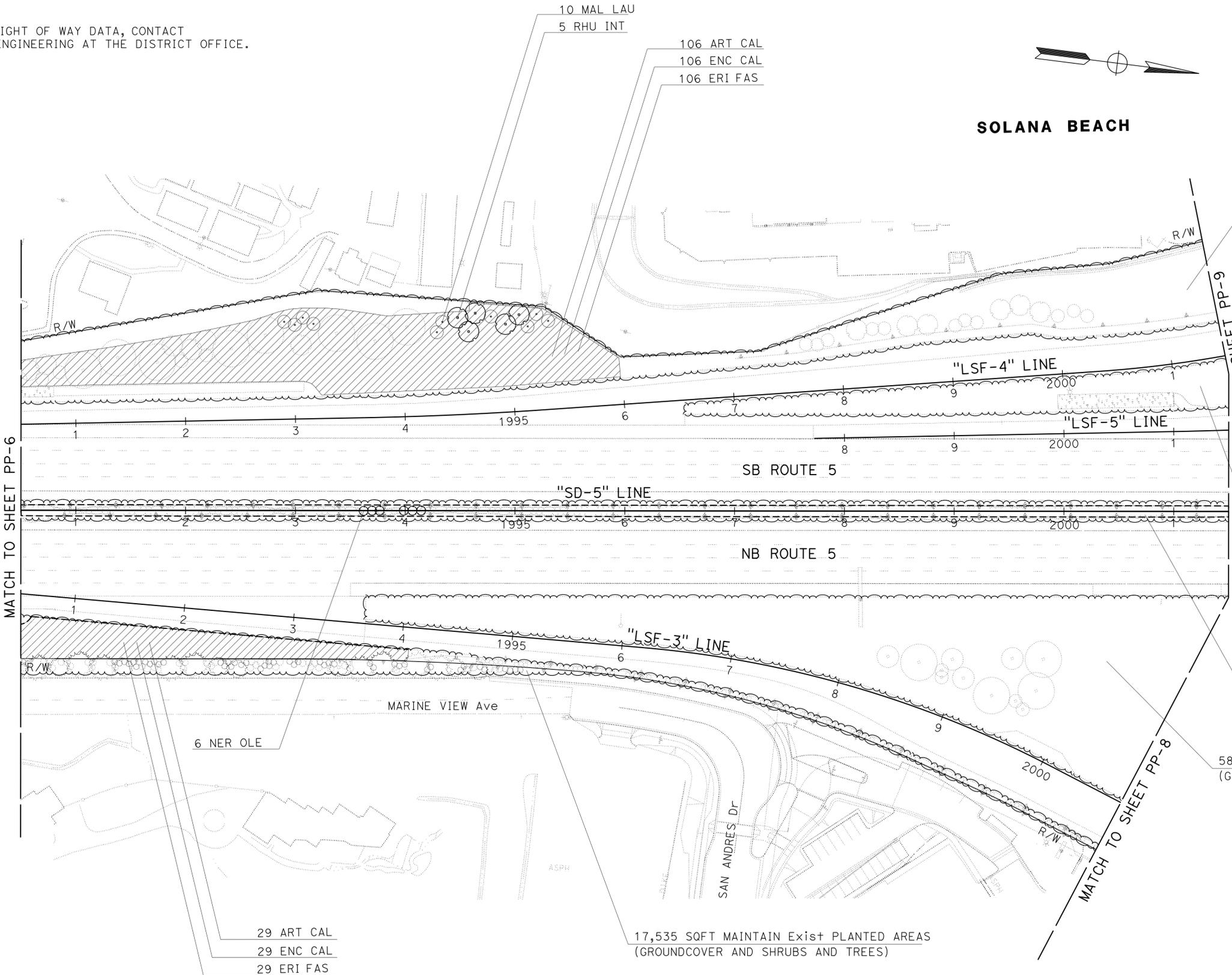
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

REVISOR	DATE	REVISION
RODNEY MAYFIELD		
JOEL HORTIZUELA		
CALCULATED/DESIGNED BY	CHECKED BY	
STEPHEN ALVAREZ		

NOTE:
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 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	43	67

LICENSED LANDSCAPE ARCHITECT
 05-05-14
 PLANS APPROVAL DATE
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SOLANA BEACH

63,900 SQFT MAINTAIN Exist PLANTED AREAS
 (GROUNDCOVER AND SHRUBS AND TREES)

12,550 SQFT MAINTAIN Exist PLANTED AREAS
 (GROUNDCOVER AND SHRUBS AND TREES)

11,260 SQFT MAINTAIN Exist PLANTED AREAS
 (SHRUBS)

58,564 SQFT MAINTAIN Exist PLANTED AREAS
 (GROUNDCOVER AND SHRUBS AND TREES)

17,535 SQFT MAINTAIN Exist PLANTED AREAS
 (GROUNDCOVER AND SHRUBS AND TREES)

PLANTING PLAN

PP-7

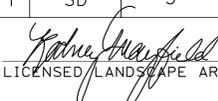
APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

NOTE:

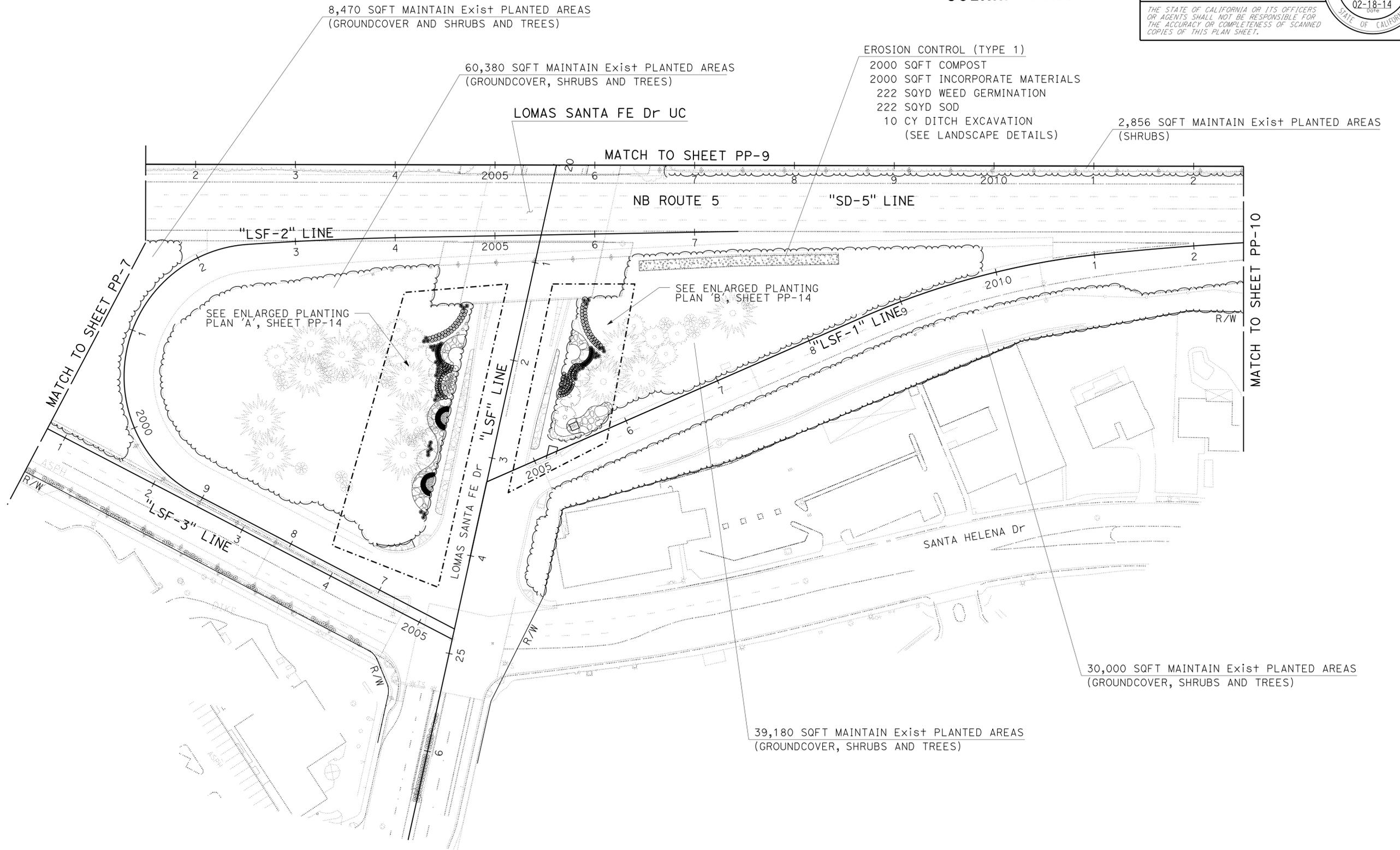
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	44	67

 LICENSED LANDSCAPE ARCHITECT		
05-05-14 PLANS APPROVAL DATE		

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SOLANA BEACH



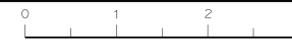
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	LANDSCAPE ARCHITECTURE
	
SENIOR LANDSCAPE ARCHITECT	STEPHEN ALVAREZ
CALCULATED/DESIGNED BY	CHECKED BY
RODNEY MAYFIELD	JOEL HORTIZUELA
REVISED BY	DATE REVISED

PLANTING PLAN

APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

PP-8



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	45	67

 LICENSED LANDSCAPE ARCHITECT		
05-05-14 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>		

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



SOLANA BEACH

3,720 SQFT MAINTAIN Exist PLANTED AREAS (GROUNDCOVER, SHRUBS AND TREES)

33,530 SQFT MAINTAIN Exist PLANTED AREAS (GROUNDCOVER, SHRUBS AND TREES)

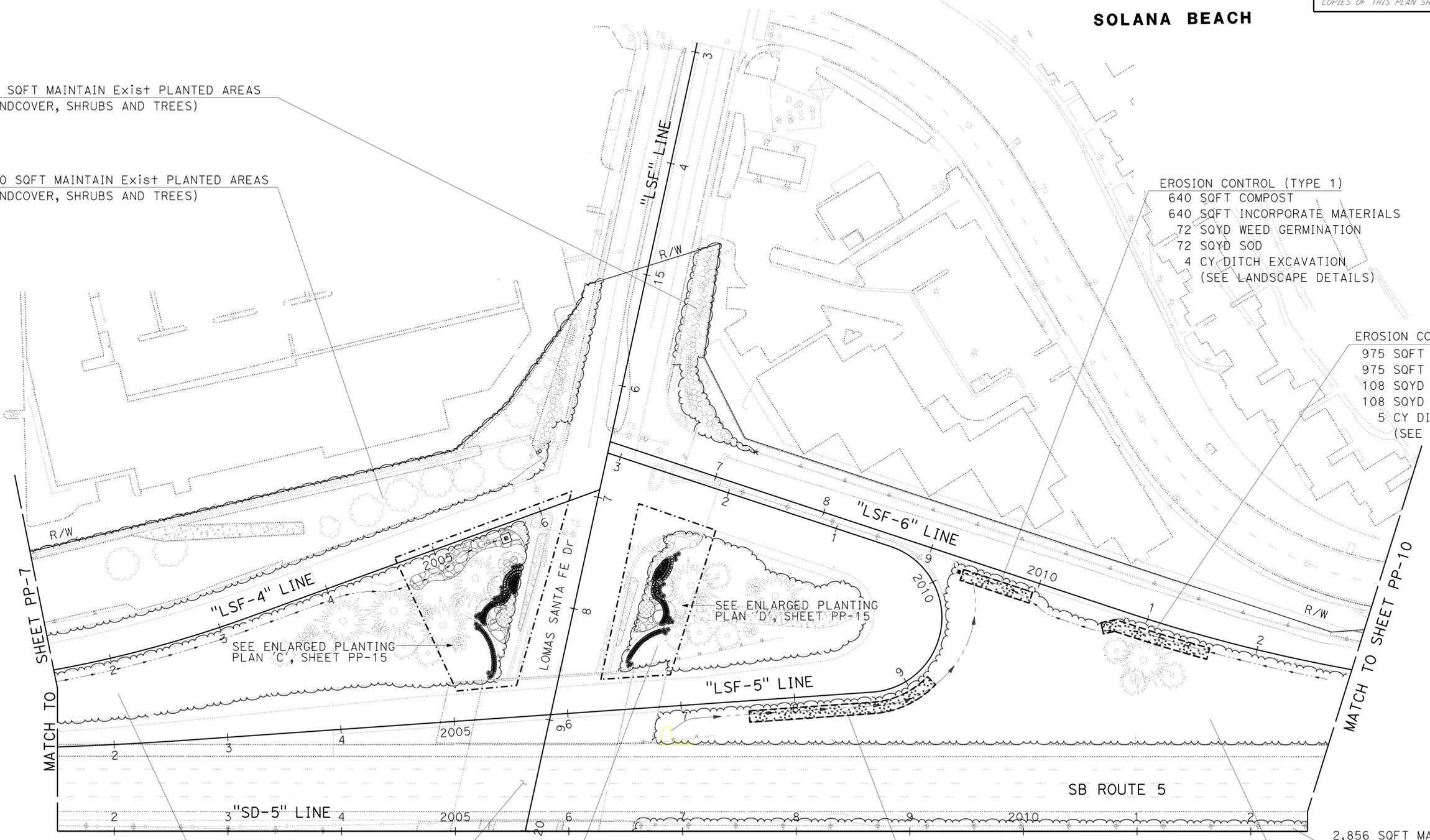
EROSION CONTROL (TYPE 1)
 640 SQFT COMPOST
 640 SQFT INCORPORATE MATERIALS
 72 SQYD WEED GERMINATION
 72 SQYD SOD
 4 CY DITCH EXCAVATION
 (SEE LANDSCAPE DETAILS)

EROSION CONTROL (TYPE 1)
 975 SQFT COMPOST
 975 SQFT INCORPORATE MATERIALS
 108 SQYD WEED GERMINATION
 108 SQYD SOD
 5 CY DITCH EXCAVATION
 (SEE LANDSCAPE DETAILS)

EROSION CONTROL (TYPE 1)
 1,670 SQFT COMPOST
 1,670 SQFT INCORPORATE MATERIALS
 186 SQYD WEED GERMINATION
 186 SQYD SOD
 8 CY DITCH EXCAVATION
 (SEE LANDSCAPE DETAILS)

2,856 SQFT MAINTAIN Exist PLANTED AREAS (SHRUBS)

44,920 SQFT MAINTAIN Exist PLANTED AREAS (GROUNDCOVER, SHRUBS AND TREES)



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	SENIOR LANDSCAPE ARCHITECT	RODNEY MAYFIELD	REVISOR
Caltrans LANDSCAPE ARCHITECTURE	STEPHEN ALVAREZ	JOEL HORTIZUELA	DATE
	CHECKED BY		REVISED
	DESIGNED BY		DATE

APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

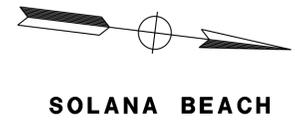
PLANTING PLAN
PP-9

LAST REVISION: 03-10-14 DATE PLOTTED => 14-MAY-2014 TIME PLOTTED => 1:32:22

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	46	67

LICENSED LANDSCAPE ARCHITECT
 05-05-14
 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:
 1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

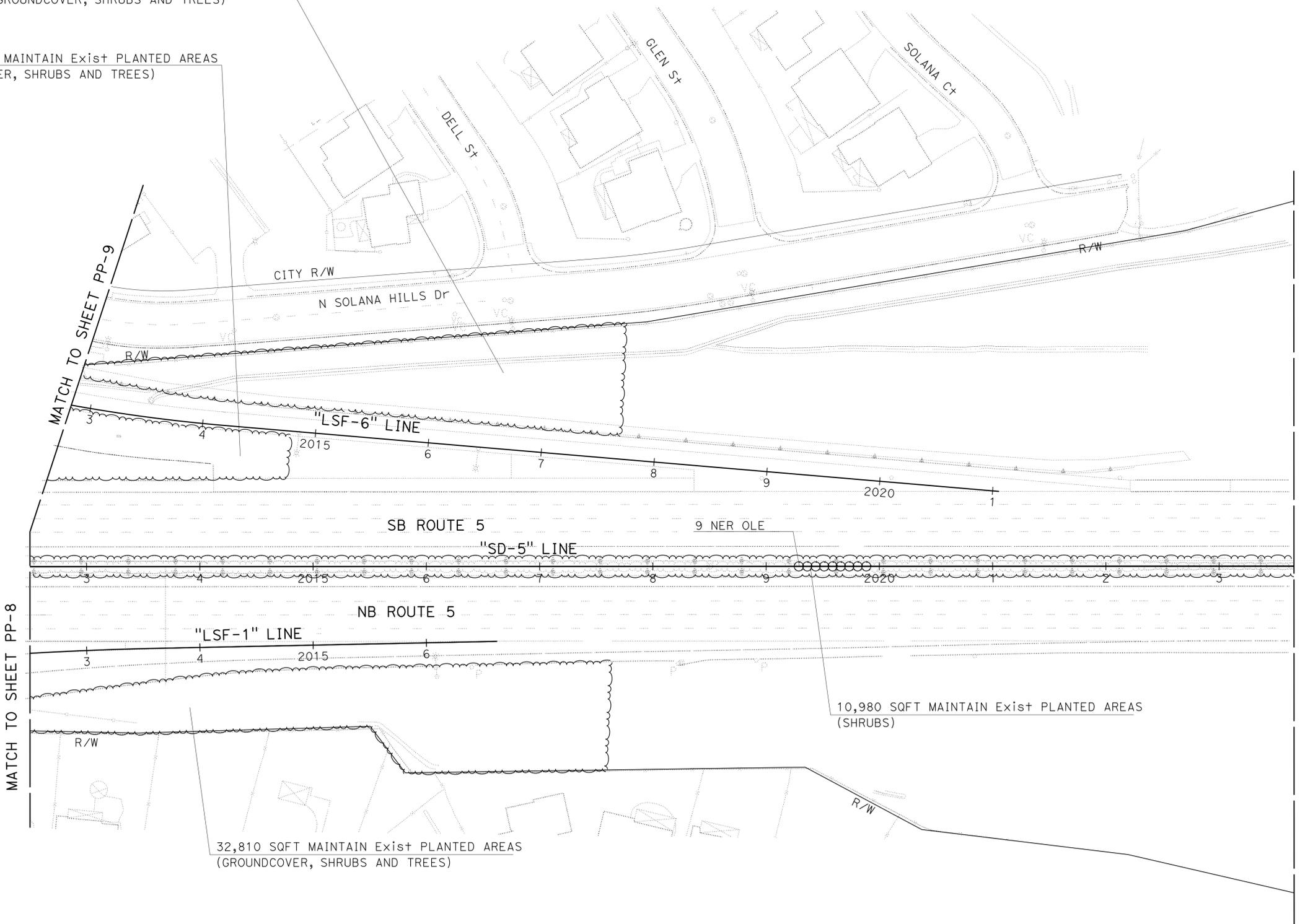


27,545 SQFT MAINTAIN Exist PLANTED AREAS
 (GROUND COVER, SHRUBS AND TREES)

9,735 SQFT MAINTAIN Exist PLANTED AREAS
 (GROUND COVER, SHRUBS AND TREES)

10,980 SQFT MAINTAIN Exist PLANTED AREAS
 (SHRUBS)

32,810 SQFT MAINTAIN Exist PLANTED AREAS
 (GROUND COVER, SHRUBS AND TREES)



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	LANDSCAPE ARCHITECTURE
SENIOR LANDSCAPE ARCHITECT	STEPHEN ALVAREZ
CALCULATED/DESIGNED BY	CHECKED BY
RODNEY MAYFIELD	JOEL HORTIZUELA
REVISED BY	DATE REVISED

PLANTING PLAN
PP-10

APPROVED FOR PLANTING WORK ONLY

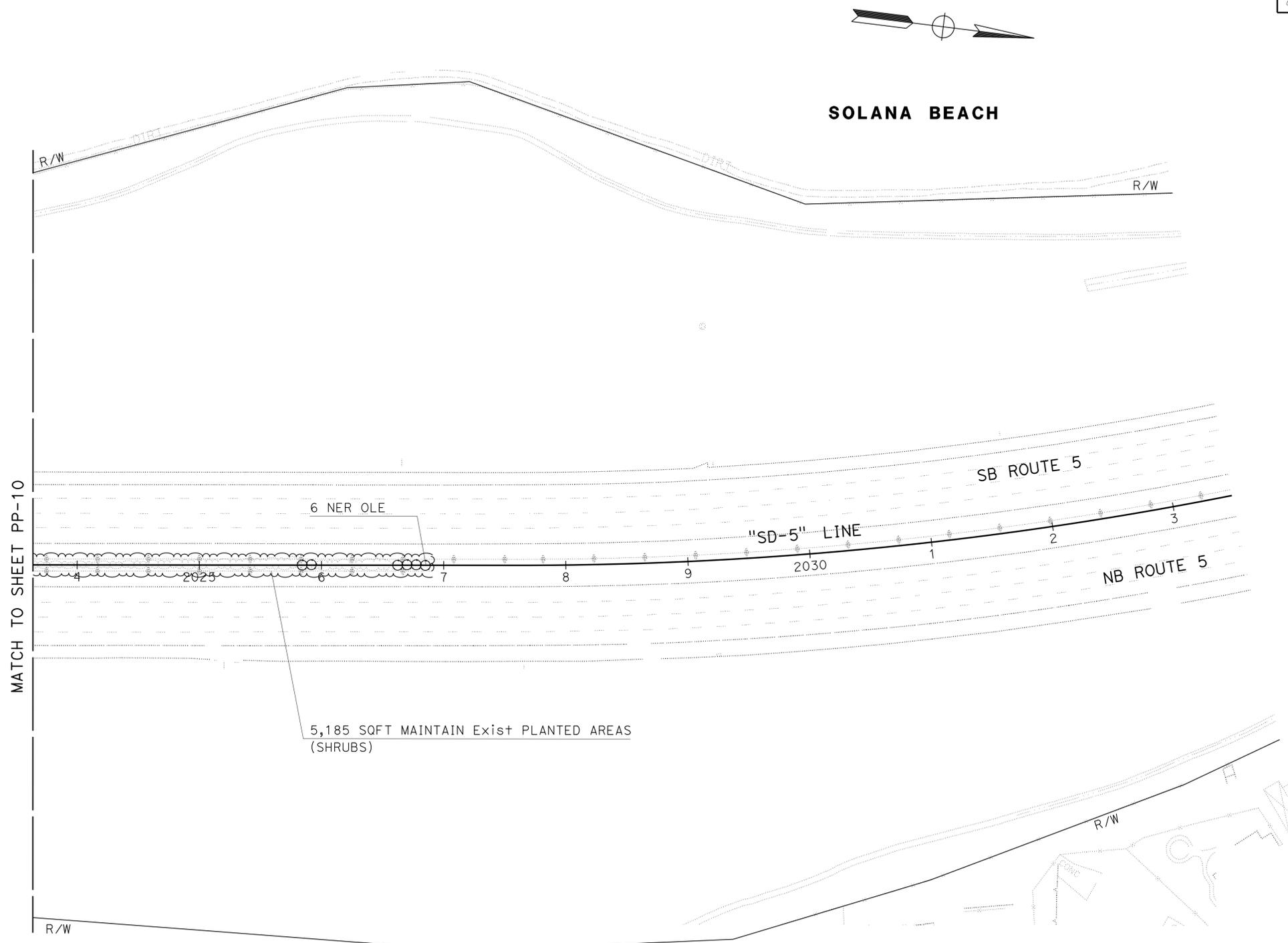
SCALE: 1" = 50'

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	47	67

LICENSED LANDSCAPE ARCHITECT
 05-05-14
 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:
 1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	SENIOR LANDSCAPE ARCHITECT	CALCULATED/DESIGNED BY	RODNEY MAYFIELD	REVISED BY	
Caltrans LANDSCAPE ARCHITECTURE	STEPHEN ALVAREZ	CHECKED BY	JOEL HORTIZUELA	DATE	



APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

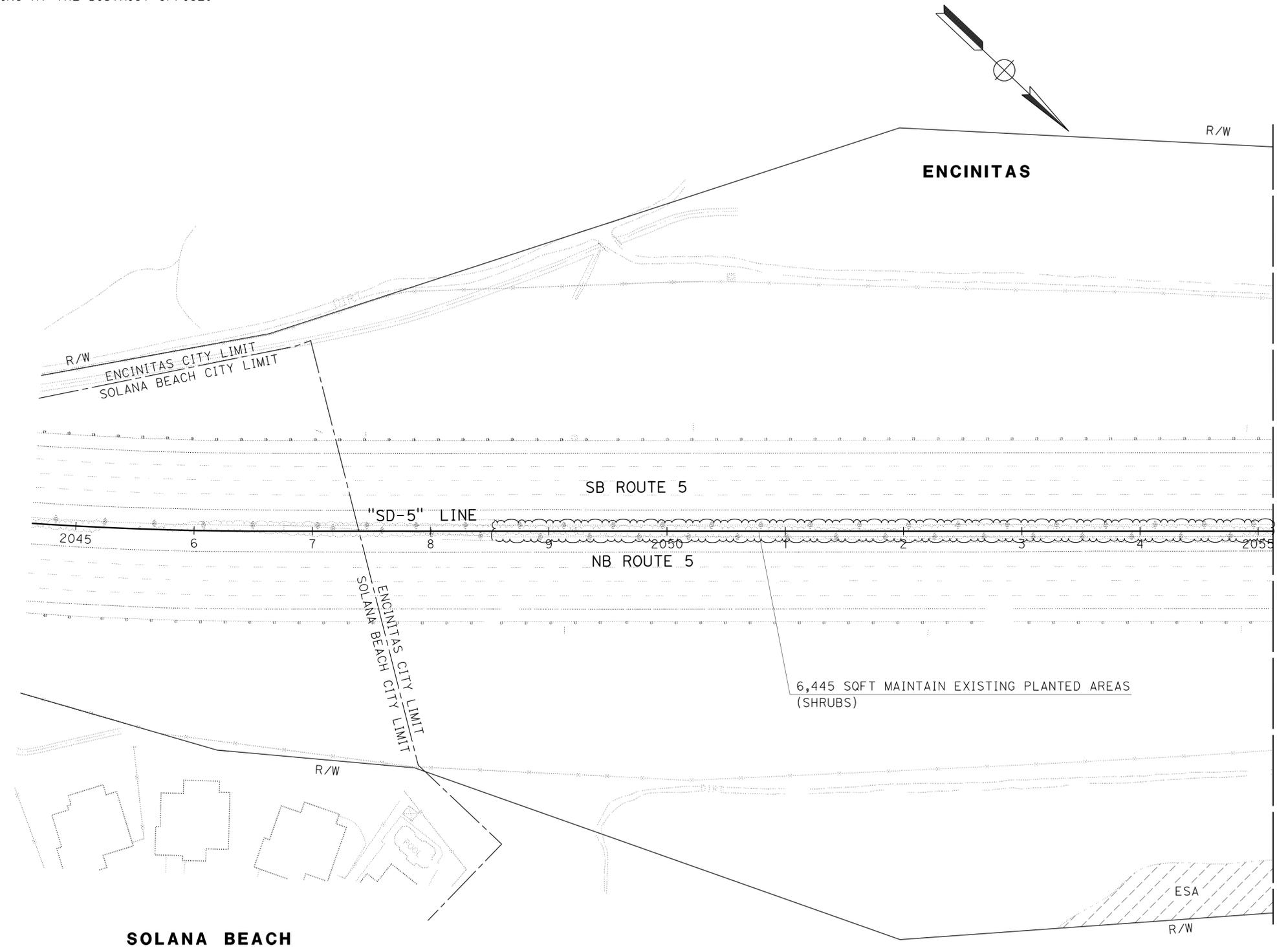
PLANTING PLAN
PP-11

LAST REVISION DATE PLOTTED => 14-MAY-2014
 03-10-14 TIME PLOTTED => 1:32:22

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	48	67

LICENSED LANDSCAPE ARCHITECT
 05-05-14
 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:
 1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	LANDSCAPE ARCHITECTURE	SENIOR LANDSCAPE ARCHITECT	CALCULATED/DESIGNED BY	RODNEY MAYFIELD	REVISOR
Caltrans		STEPHEN ALVAREZ	CHECKED BY	JOEL HORTIZUELA	DATE

BORDER LAST REVISED 7/2/2010

USERNAME => s127400
 DGN FILE => 1112000022su012.dgn

RELATIVE BORDER SCALE IS IN INCHES

UNIT 2816

PROJECT NUMBER & PHASE 11120000221

APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

PLANTING PLAN
PP-12

LAST REVISION DATE PLOTTED => 14-MAY-2014
 03-10-14 TIME PLOTTED => 1:32:22

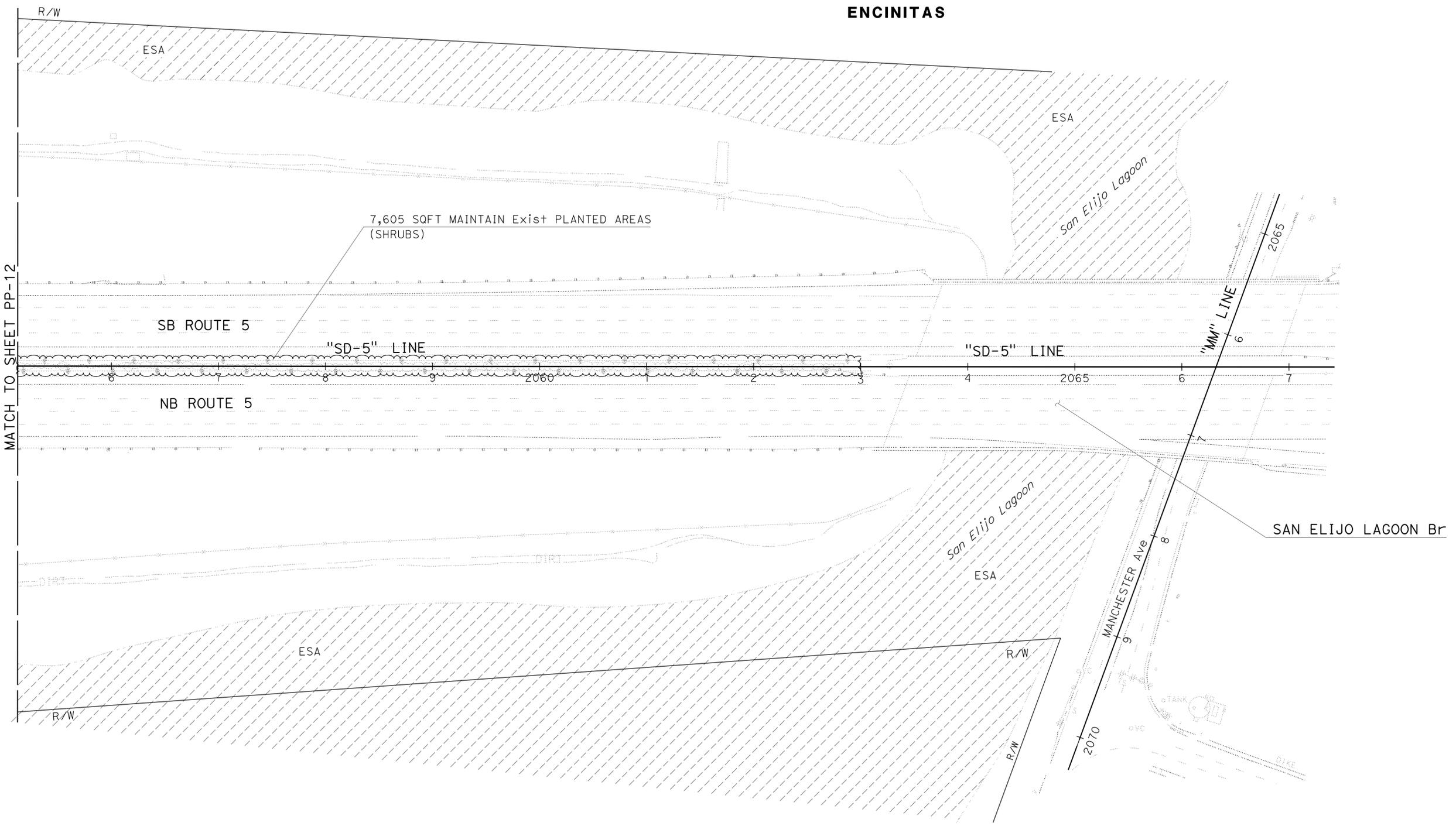
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

REVISOR	DATE	REVISION
RODNEY MAYFIELD		
JOEL HORTIZUELA		
STEPHEN ALVAREZ		
CALCULATED/DESIGNED BY	CHECKED BY	
RODNEY MAYFIELD	JOEL HORTIZUELA	
REVISOR	DATE	REVISION

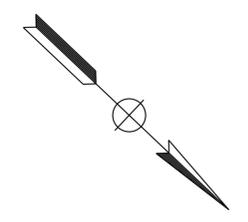
NOTE:
 1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	49	67

LICENSED LANDSCAPE ARCHITECT
 05-05-14
 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.



ENCINITAS



MATCH TO SHEET PP-12

PLANTING PLAN

PP-13

APPROVED FOR PLANTING WORK ONLY

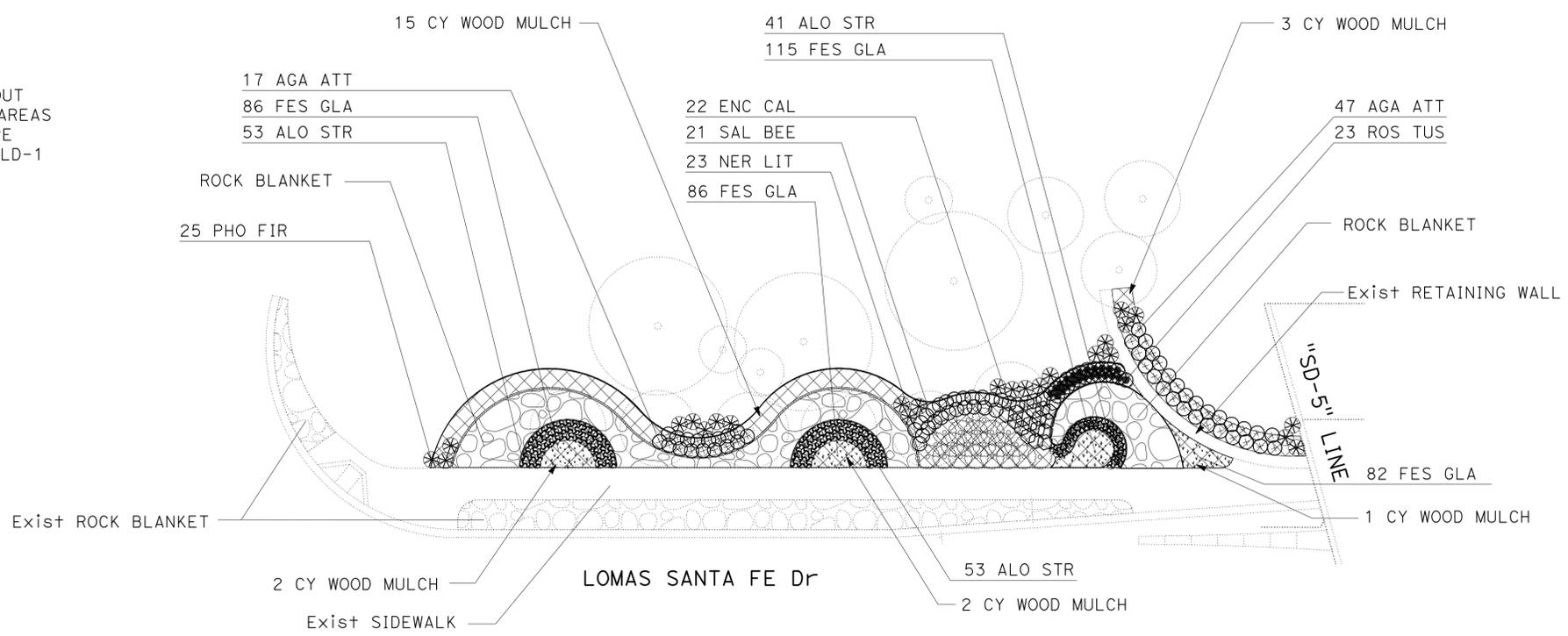
SCALE: 1" = 50'

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	50	67

Rodney Mayfield
 LICENSED LANDSCAPE ARCHITECT
 05-05-14
 PLANS APPROVAL DATE

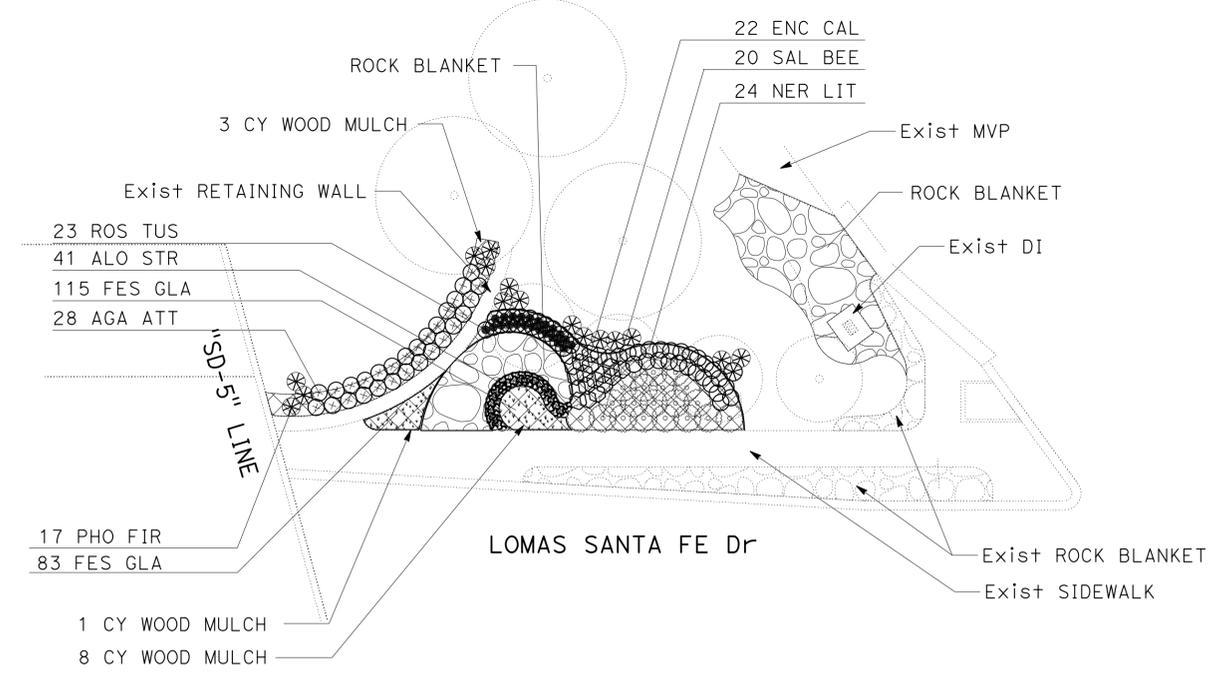
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTE:
FOR ROCK BLANKET LAYOUT AND WEED GERMINATION AREAS SEE ENLARGED LANDSCAPE LAYOUT PLAN 'A' SHEET LD-1



ENLARGED PLANTING PLAN 'A'

NOTE:
FOR ROCK BLANKET LAYOUT AND WEED GERMINATION AREAS SEE ENLARGED LANDSCAPE LAYOUT PLAN 'B' SHEET LD-1



ENLARGED PLANTING PLAN 'B'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 LANDSCAPE ARCHITECTURE
 SENIOR LANDSCAPE ARCHITECT
 RODNEY MAYFIELD
 ROSEMARY ALVAREZ
 CHECKED BY
 JOEL HORTIZUELA
 REVISOR
 DATE
 DESIGNED BY
 RODNEY MAYFIELD
 DATE
 CHECKED BY
 STEPHEN ALVAREZ

**PLANTING PLAN
PP-14**

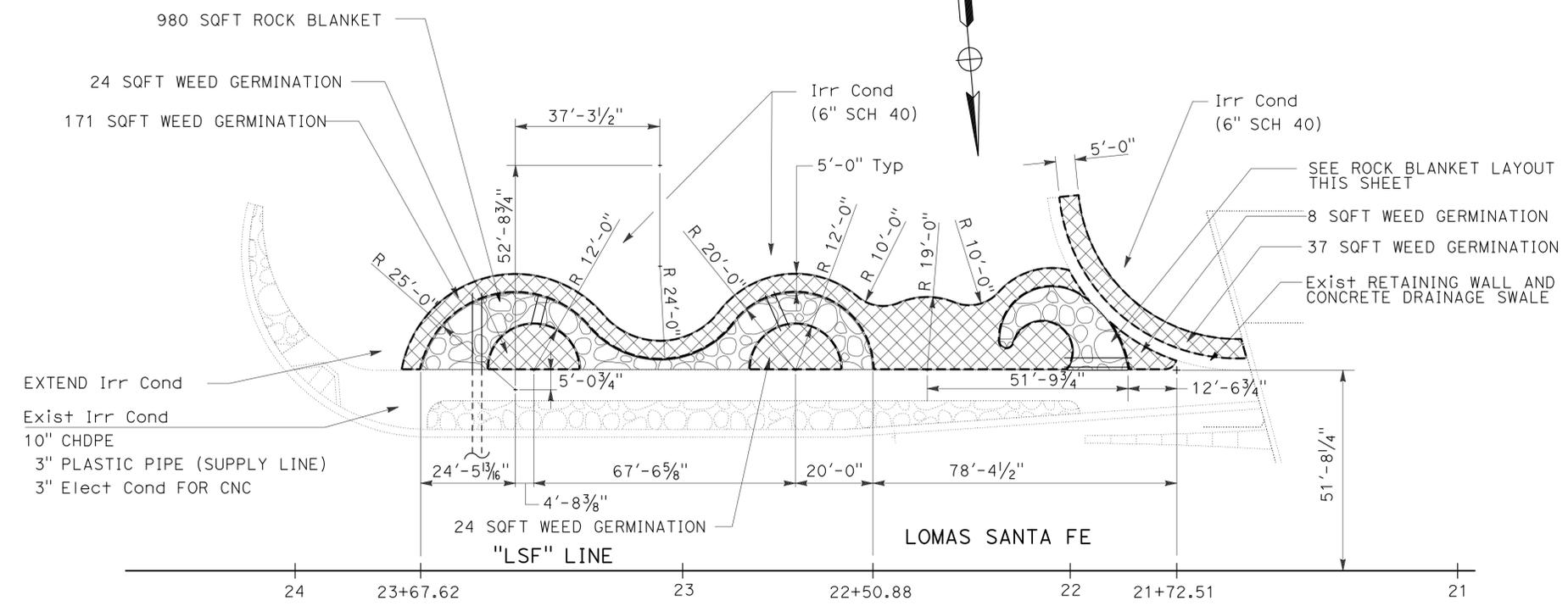
NO SCALE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	52	67

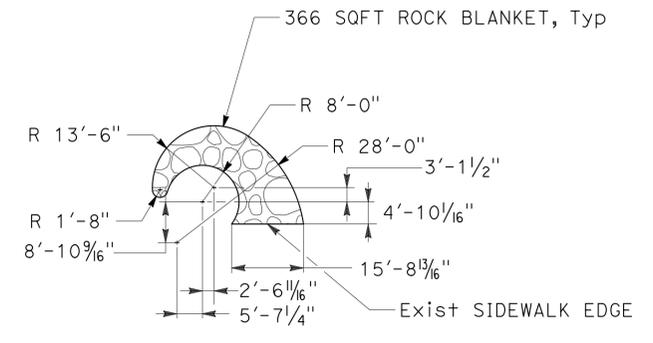
 LICENSED LANDSCAPE ARCHITECT		
05-05-14 PLANS APPROVAL DATE		
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>		

LEGEND:

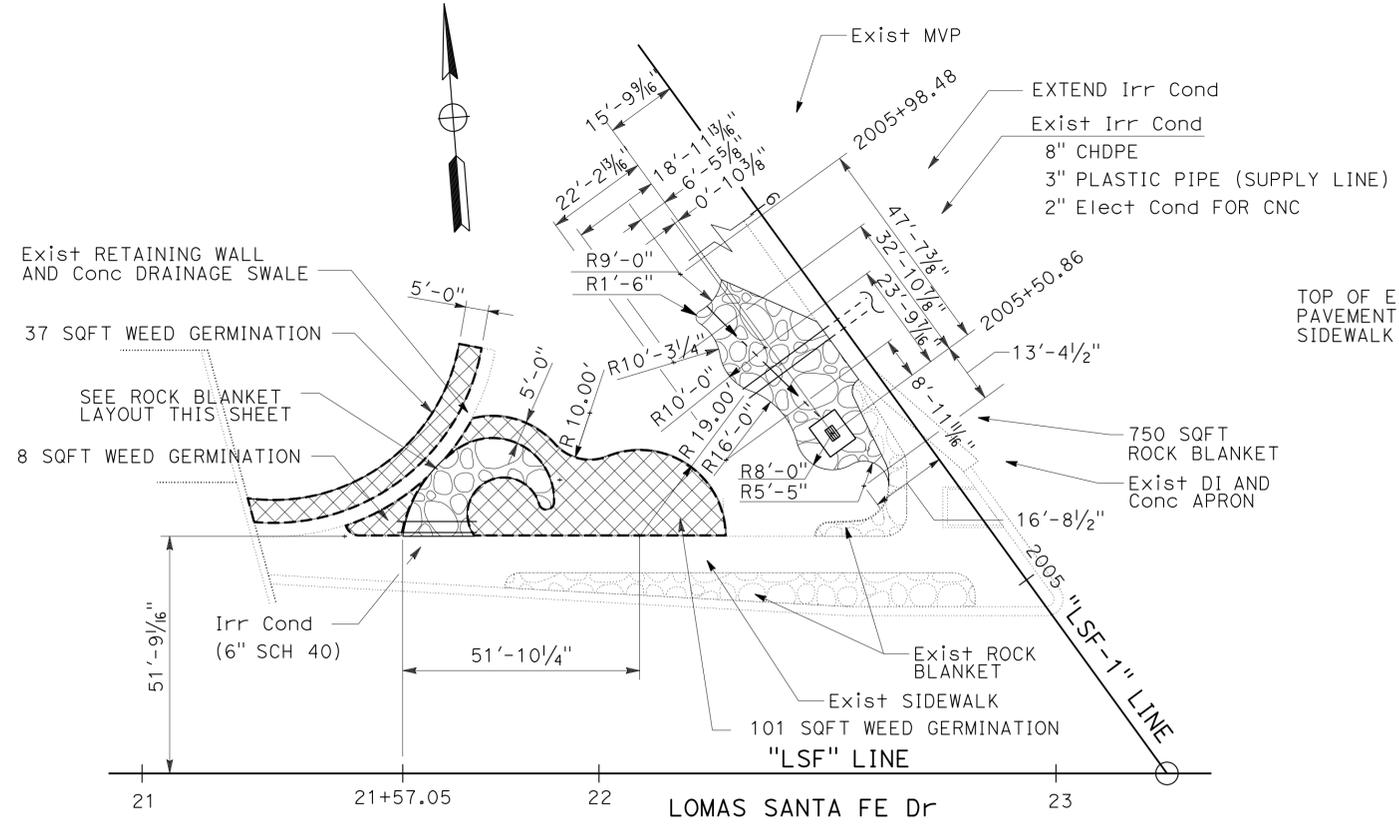
-  ROCK BLANKET - SEE ROCK BLANKET DETAIL THIS SHEET
-  WEED GERMINATION



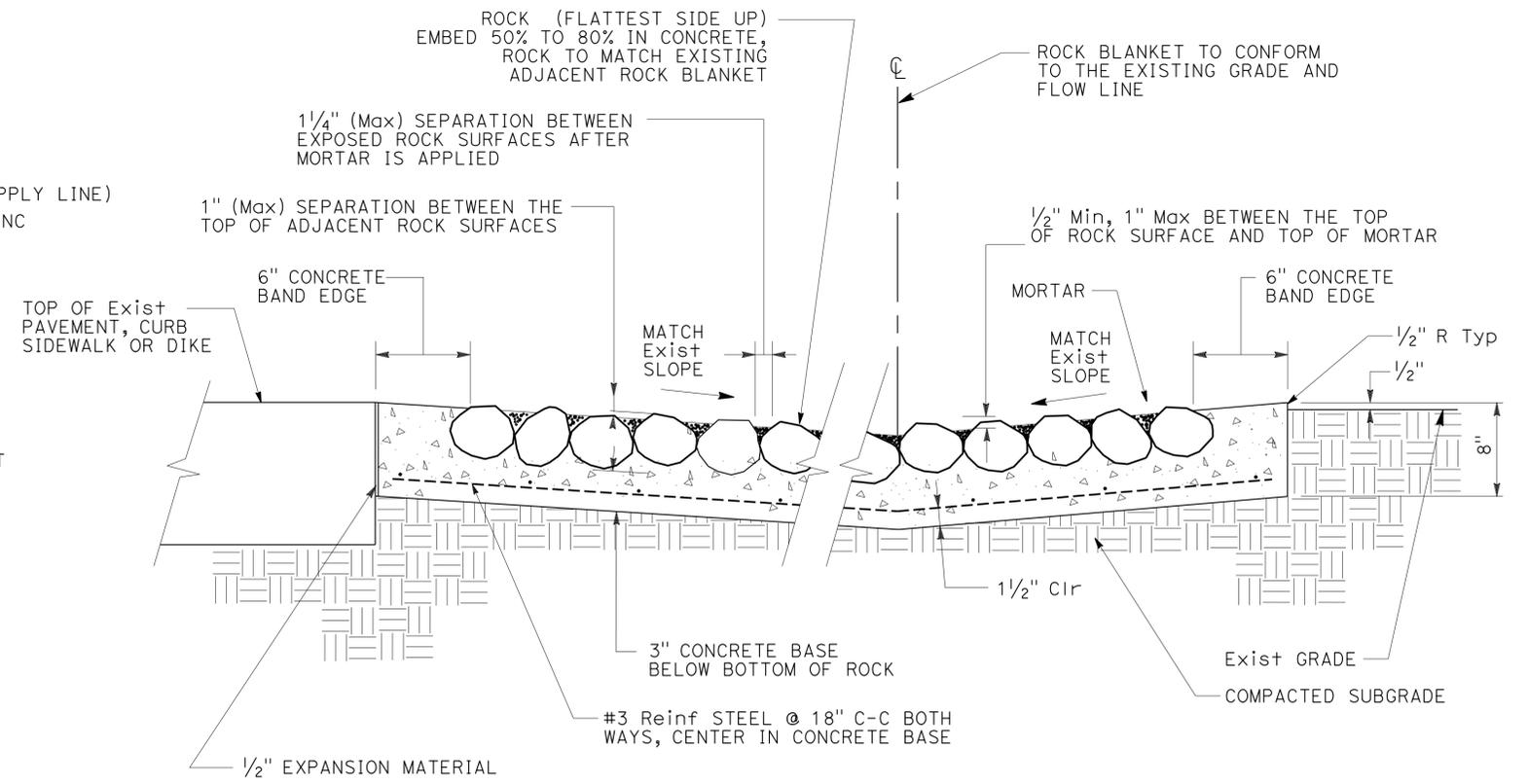
ENLARGED LANDSCAPE LAYOUT PLAN 'A'



ROCK BLANKET LAYOUT



ENLARGED LANDSCAPE LAYOUT PLAN 'B'



ROCK BLANKET DETAIL (MODIFIED)

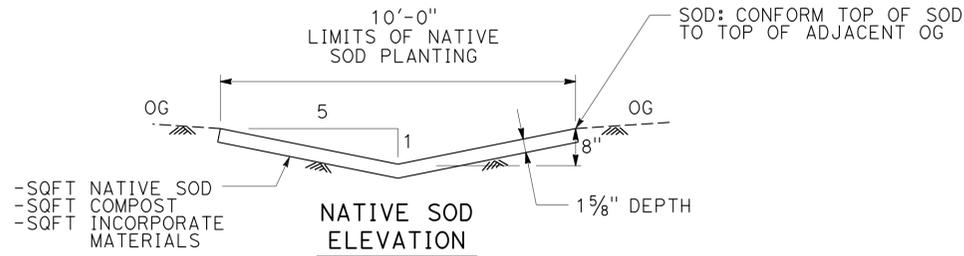
LANDSCAPE DETAILS LD-1

NO SCALE

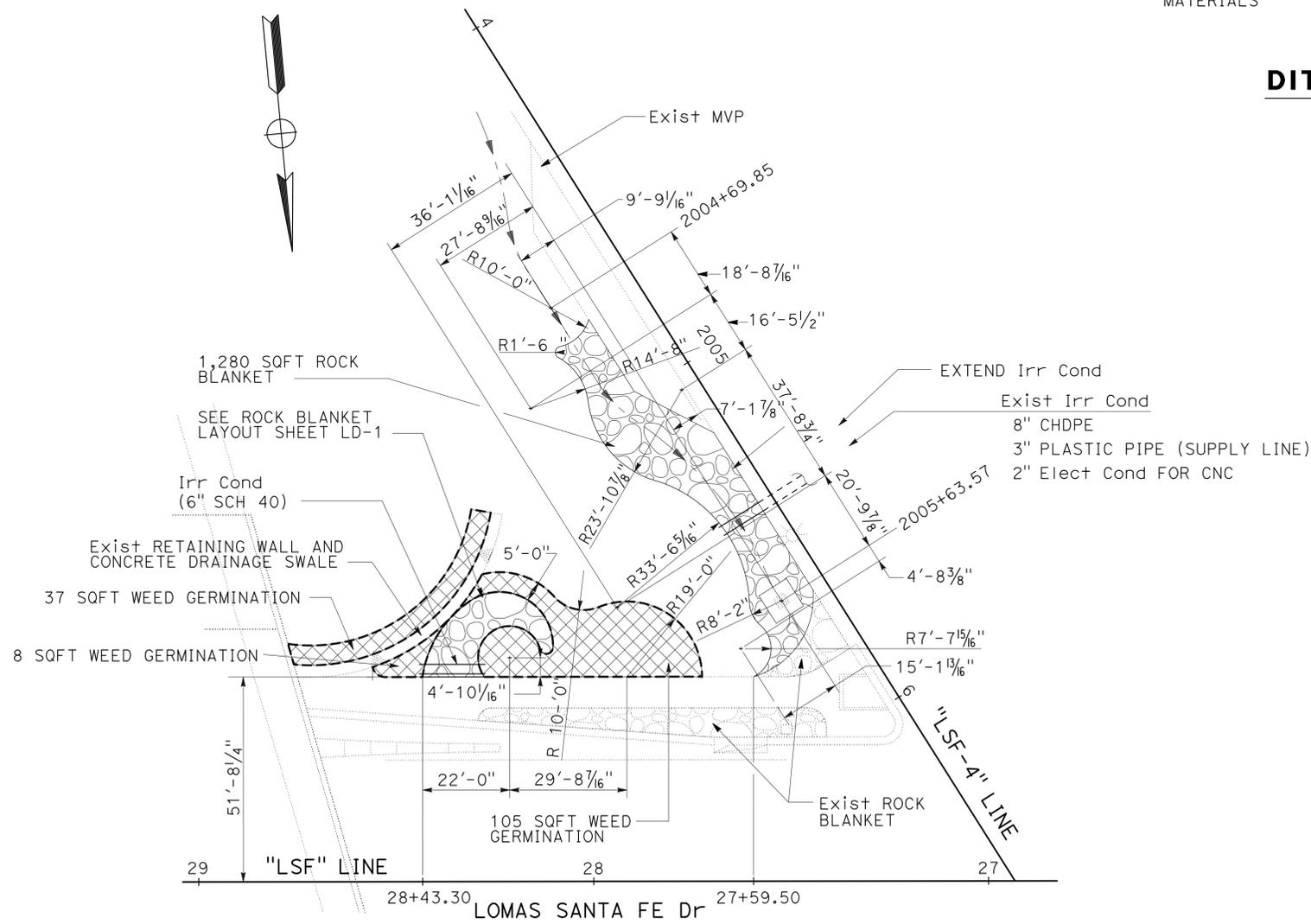
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - LANDSCAPE ARCHITECTURE
 RODNEY MAYFIELD
 ROSEMARY HORTIZUELA
 JOEL HORTIZUELA
 STEPHEN ALVAREZ
 SENIOR LANDSCAPE ARCHITECT
 CHECKED BY
 DESIGNED BY
 CALCULATED BY
 REVISIONS: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	53	67

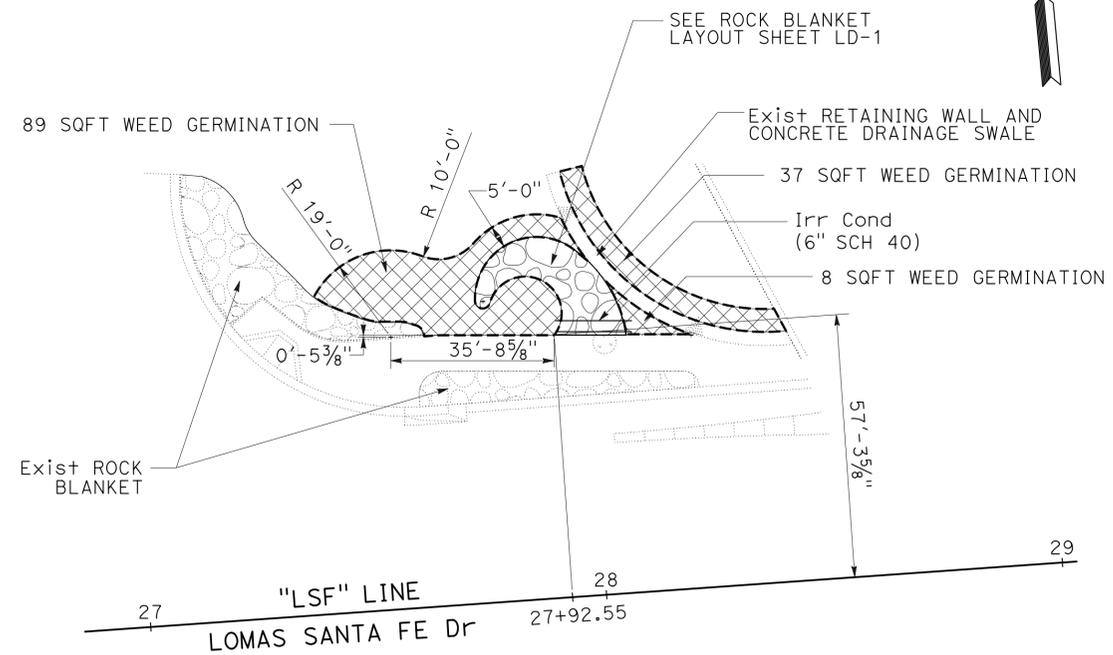
LICENSED LANDSCAPE ARCHITECT
 05-05-14
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



DITCH EXCAVATION



ENLARGED LANDSCAPE LAYOUT PLAN 'C'



ENLARGED LANDSCAPE LAYOUT PLAN 'D'

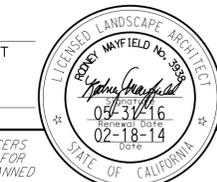
**LANDSCAPE DETAILS
LD-2**

NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	RODNEY MAYFIELD	REVISOR	DATE
LANDSCAPE ARCHITECT	JOEL HORTIZUELA	REVISOR	DATE
SENIOR LANDSCAPE ARCHITECT	STEPHEN ALVAREZ	REVISOR	DATE
LANDSCAPE ARCHITECTURE		REVISOR	DATE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	54	67


 LICENSED LANDSCAPE ARCHITECT
 05-05-14
 PLANS APPROVAL DATE



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EROSION CONTROL (TYPE 1) LEGEND

SYMBOL	SEQUENCE	ITEM	MATERIAL		APPLICATION RATE	REMARKS
			DESCRIPTION	TYPE		
	STEP 1	COMPOST	COMPOST	MEDIUM	3 CY/1000 SQFT	-
	STEP 2	INCORPORATE MATERIALS	COMPOST	-	-	4"
	STEP 3	WEED GERMINATION	-	-	-	-
	STEP 4	SOD	SOD	-	-	-

EROSION CONTROL (TYPE 2) LEGEND

SYMBOL	SEQUENCE	ITEM	MATERIAL		APPLICATION RATE	REMARKS
			DESCRIPTION	TYPE		
	STEP 1	SLOPE REPAIR	Exist SOIL	-	-	WHERE SHOWN
	STEP 2	COMPOST	COMPOST	MEDIUM	3 CY/1000 SQFT	-
	STEP 3	INCORPORATE MATERIALS	TOPSOIL	-	-	INCORPORATE 12" DEPTH
			COMPOST	-	-	
	STEP 4	STRAW	STRAW	WHEAT	100 LBS/1000 SQFT	WEED FREE
STEP 5	INCORPORATE MATERIALS	STRAW	-	-	4" DEPTH PUNCHED	

STRAW

SHEET	SQFT
PP-5	3025
TOTAL	3025

MAINTAIN Exist PLANTED AREAS

SHEET NUMBER	SQFT*
PP-1	4,985
PP-2	11,626
PP-3	3,245
PP-4	135,922
PP-5	186,860
PP-6	122,815
PP-7	163,809
PP-8	140,886
PP-9	134,381
PP-10	81,070
PP-11	5,185
PP-12	6,445
PP-13	7,605
TOTAL	1,004,834

* QUANTITIES ARE FOR INFORMATION ONLY.

SLOPE REPAIR

SHEET	SQFT
PP-5	3,025
TOTAL	3,025

ROCK BLANKET

SHEET	SQFT
LD-1	2,462
LD-2	2,012
TOTAL	4,474

WEED GERMINATION

SHEET	SQYD
PP-5	467
PP-8	222
PP-9	366
LD-1	410
LD-2	284
TOTAL	1749

WOOD MULCH

SHEET	CY
PP-14	35
PP-15	25
BASIN	136
TOTAL	196

DITCH EXCAVATION

SHEET	CY
PP-5	21
PP-8	10
PP-9	17
TOTAL	48

COMPOST

SHEET	SQFT
PP-5	7,230
PP-8	2,000
PP-9	3,285
TOTAL	12,515

INCORPORATE MATERIALS

SHEET	SQFT
PP-5	7,230
PP-8	2,000
PP-9	3,285
TOTAL	12,515

4' CHAIN LINK GATE (TYPE CL-6)

SHEET	EACH
PP-5	1
TOTAL	1

12' CHAIN LINK GATE (TYPE CL-6)

SHEET	EACH
PP-5	1
TOTAL	1

6' CHAIN LINK FENCE (TYPE CL-6)

SHEET	LF
PP-5	300
TOTAL	300

LANDSCAPE QUANTITIES

LQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 LANDSCAPE ARCHITECTURE
 SENIOR LANDSCAPE ARCHITECT
 RODNEY MAYFIELD
 CALCULATED/DESIGNED BY
 JOEL HORTIZUELA
 REVISOR BY
 DATE REVISOR
 STEPHEN ALVAREZ

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	55	67

Grace M. Tsushima
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

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

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TO ACCOMPANY PLANS DATED 05-05-14

UNIT OF MEASUREMENT SYMBOLS:

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

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:

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
∅	NOMINAL DIAMETER
oz	OUNCE
lb	POUND
kíp	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

	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
ℒ	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

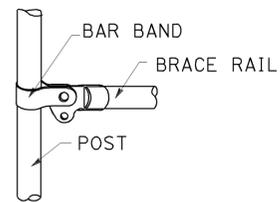
	T continued
TS	TRANSVERSE, TRAFFIC SIGNAL, TUBULAR STEEL
Typ	TYPICAL
	U
UC	UNDERCROSSING
UD	UNDERDRAIN
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
UP	UNDERPASS
	V
V	VALVE, DESIGN SPEED
Var	VARIABLE, VARIES
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
Vert	VERTICAL
Via	VIADUCT
Vol	VOLUME
	W
W	WEST, WIDTH
WB	WESTBOUND
WH	WEEP HOLE
WM	WIRE MESH
WS	WATER SURFACE
WSP	WELDED STEEL PIPE
Wt	WEIGHT
WV	WATER VALVE
WW	WINGWALL
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	R35.8/R38.5	56	67

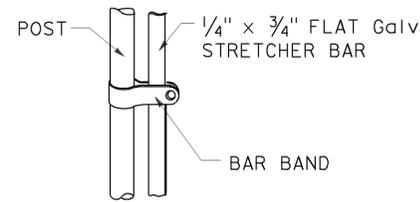
Glenn DeCou
 REGISTERED CIVIL ENGINEER
 October 19, 2012
 PLANS APPROVAL DATE

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

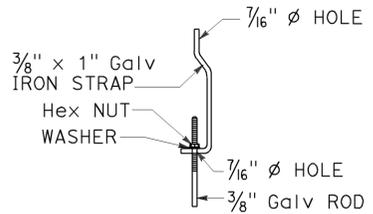
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BRACE RAIL



STRETCHER BAR

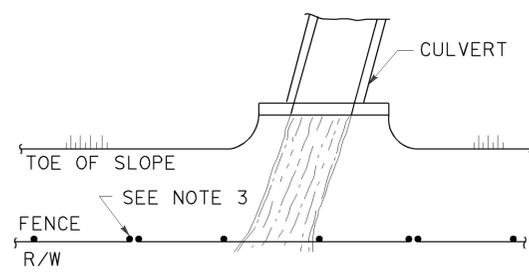


TRUSS TIGHTENER

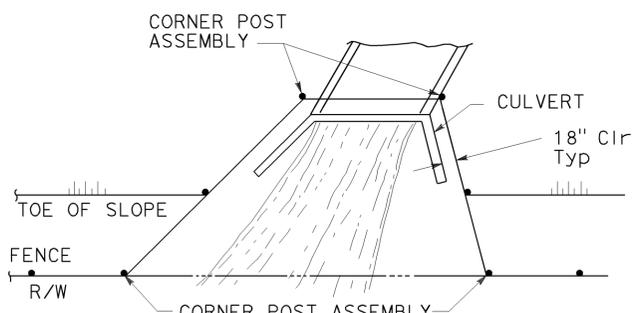
NOTES:

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.

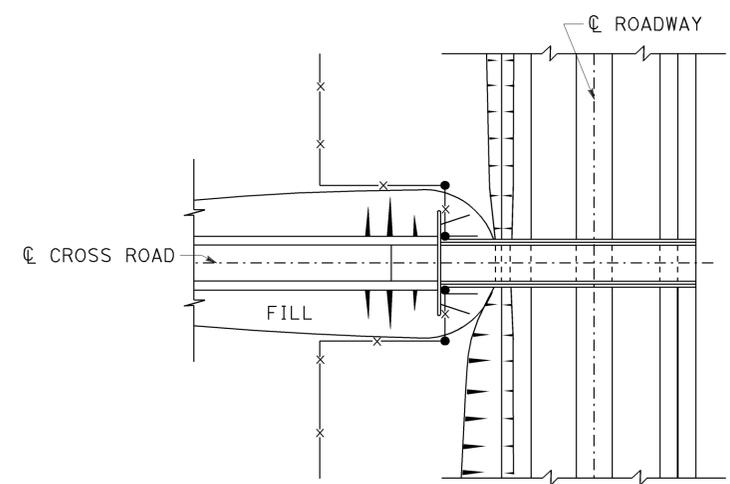
TO ACCOMPANY PLANS DATED 05-05-14



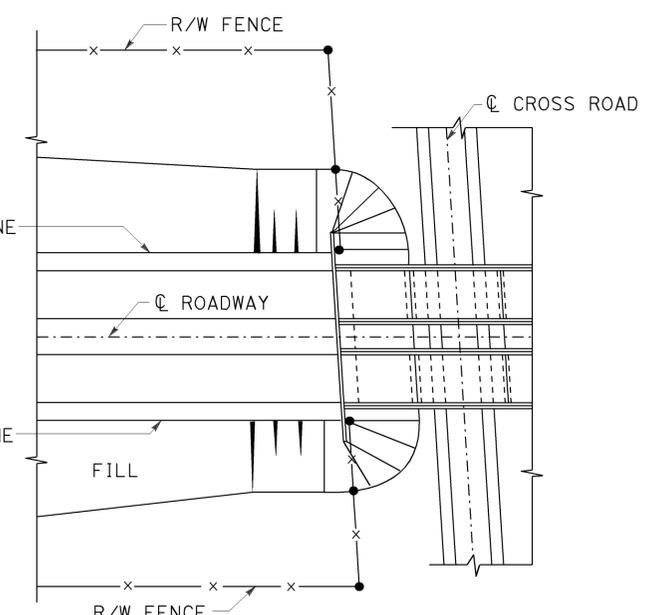
PLAN



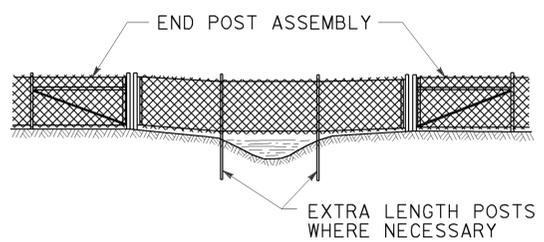
PLAN



PLAN OF ROADWAY - OVERCROSSING

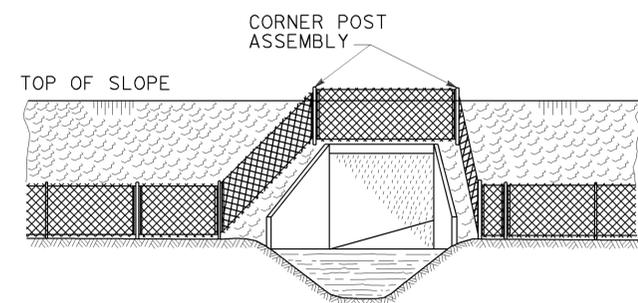


PLAN OF ROADWAY - UNDERCROSSING



ELEVATION

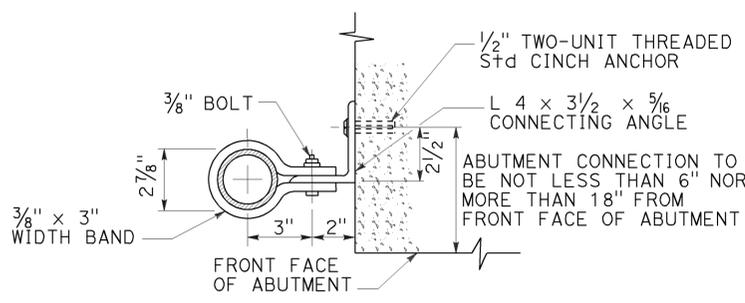
INSTALLATION OVER STREAM



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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	57	67

Gregory A. Balzer
LICENSED LANDSCAPE ARCHITECT

July 19, 2013
PLANS APPROVAL DATE

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TO ACCOMPANY PLANS DATED 05-05-14

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
 MtI 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
 Pvm+ 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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	58	67

Gregory A. Balzer
 LICENSED LANDSCAPE ARCHITECT

JULY 19, 2013
 PLANS APPROVAL DATE

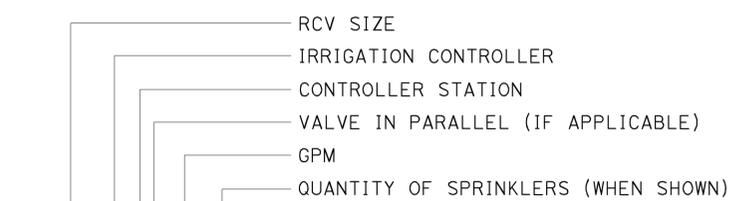
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TO ACCOMPANY PLANS DATED 05-05-14

2010 REVISED STANDARD PLAN RSP H2

EXISTING	NEW	ITEM DESCRIPTION
		WATER METER (WM)
		BACKFLOW PREVENTER ASSEMBLY (BPA)
		BACKFLOW PREVENTER ENCLOSURE (BPE)
		BOOSTER PUMP (BP)
		TRUCK LOADING STANDPIPE (TLS)
		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)
		ARMOR-CLAD CONDUCTORS (ACC)
		CONTROL AND NEUTRAL CONDUCTORS (CNC)
		IRRIGATION CONDUIT
		EXTEND IRRIGATION CROSSOVER
		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)
		COPPER PIPE (SUPPLY LINE)
		DRIP IRRIGATION TUBING
		REMOTE CONTROL VALVE (RCV) REMOTE CONTROL VALVE (MASTER) (RCVM) REMOTE CONTROL VALVE (MASTER) W/FLOW METER (RCVMF)
		REMOTE CONTROL VALVE W/PRESSURE REGULATOR (RCVP)
		EXISTING MANUAL CONTROL VALVE (MCV)
		DRIP VALVE ASSEMBLY (DVA)
		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
		SPRINKLER W/SPRINKLER PROTECTOR
		CONNECT TO EXISTING SYSTEM
		CAP
		CAP EXISTING
		FIBER ROLL
		COMPOST SOCK



VALVE CODE

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

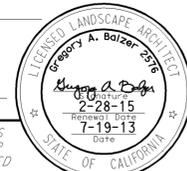
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
LANDSCAPE AND EROSION CONTROL SYMBOLS
 NO SCALE

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

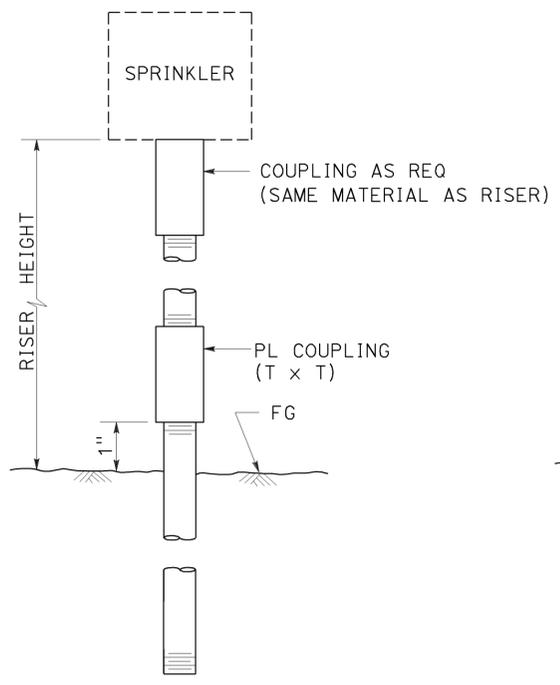
REVISED STANDARD PLAN RSP H2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	59	67

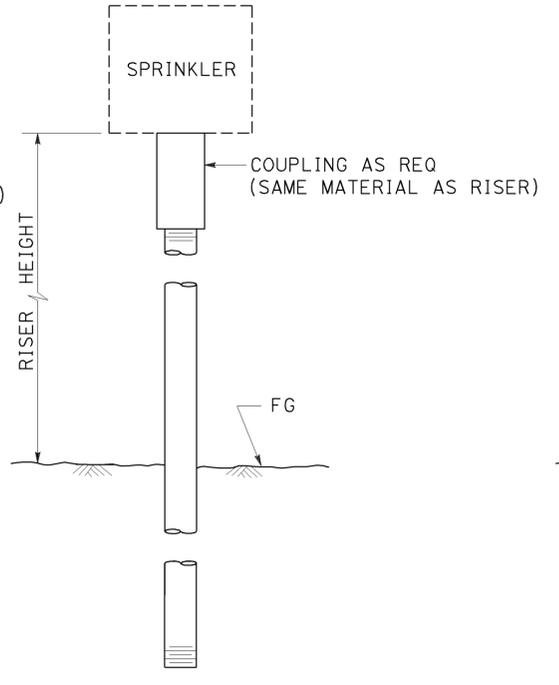
Gregory A. Balzer
 LICENSED LANDSCAPE ARCHITECT
 July 19, 2013
 PLANS APPROVAL DATE
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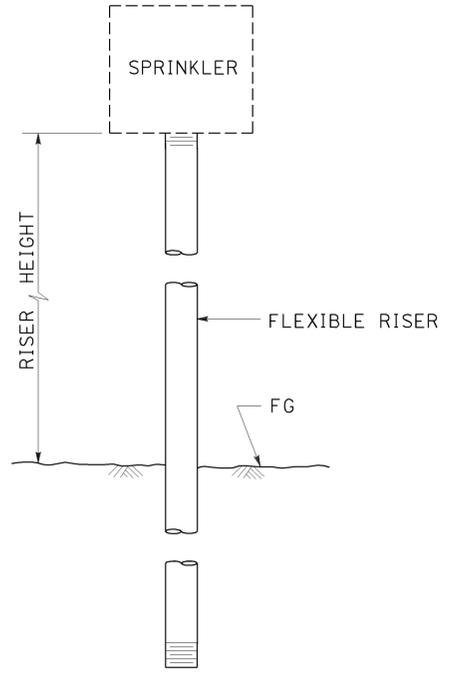
TO ACCOMPANY PLANS DATED 05-05-14



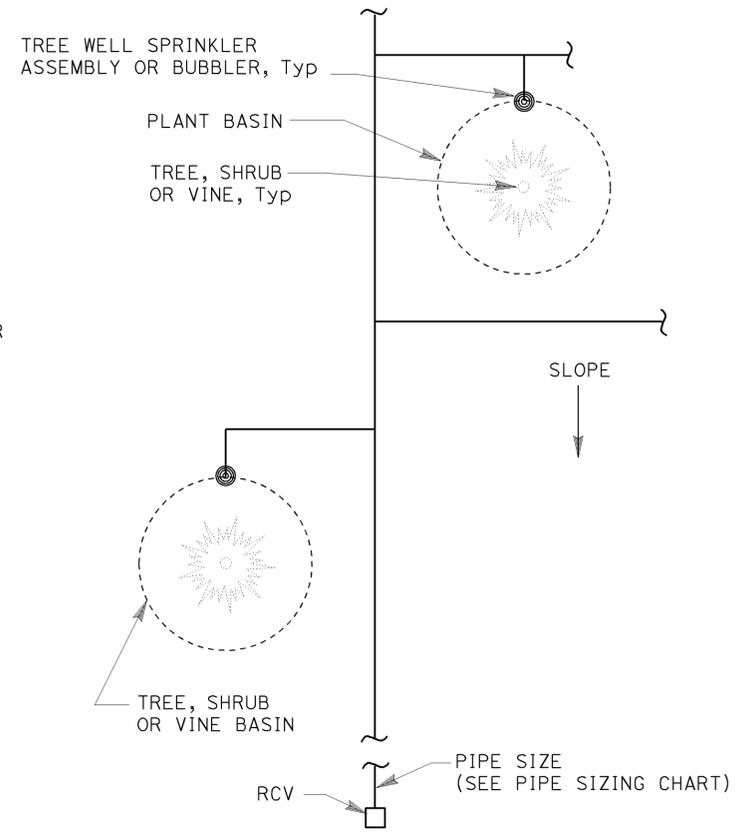
ELEVATION
RISER SPRINKLER
ASSEMBLY TYPE I



ELEVATION
RISER SPRINKLER
ASSEMBLY TYPE II



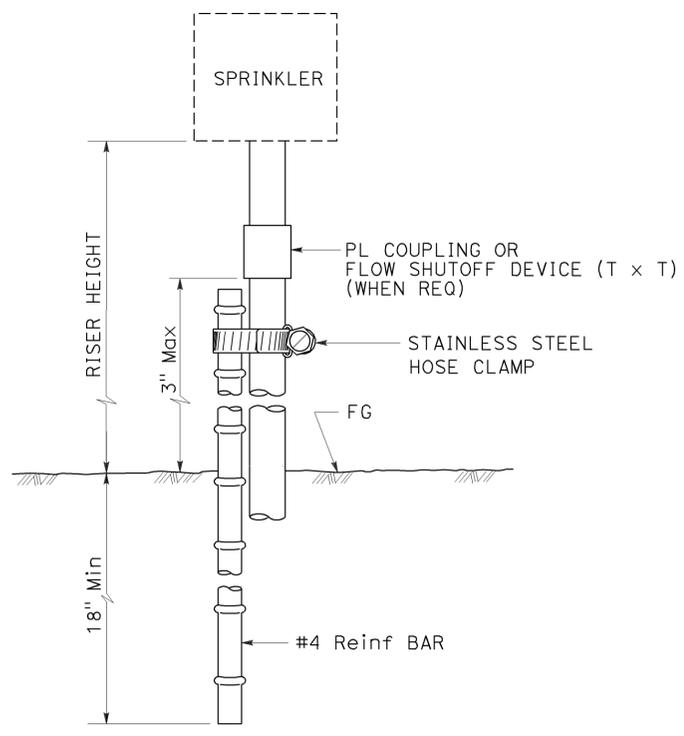
ELEVATION
RISER SPRINKLER
ASSEMBLY TYPE III



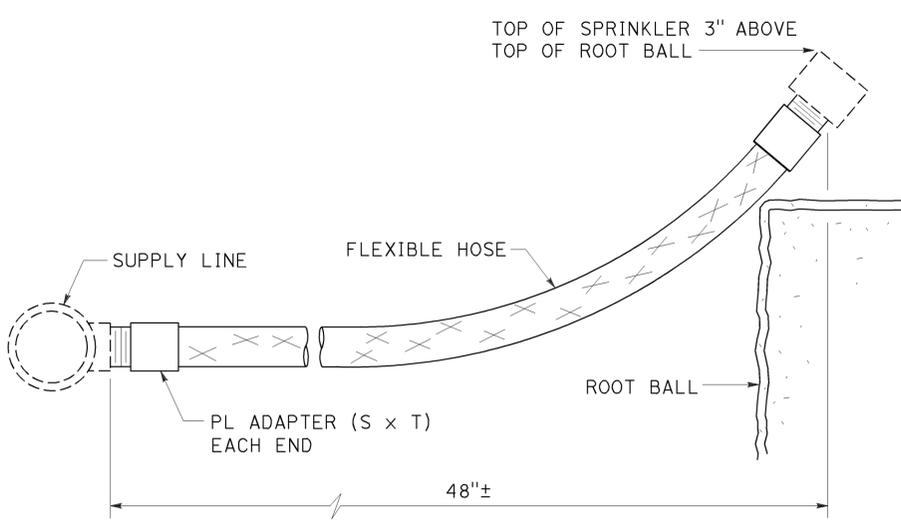
PLAN

NOTES:

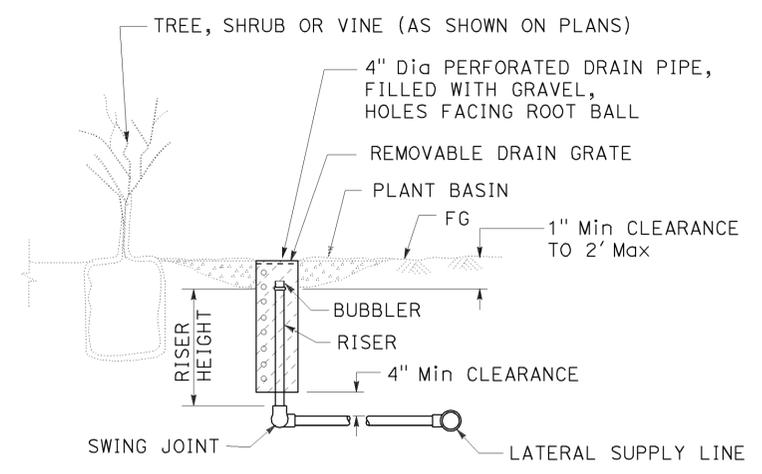
1. Install tree well sprinkler assembly on up-hill side of plant when on slope.
2. Install bubbler within basin.



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

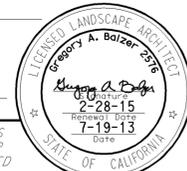
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	60	67

Gregory A. Balzer
 LICENSED LANDSCAPE ARCHITECT

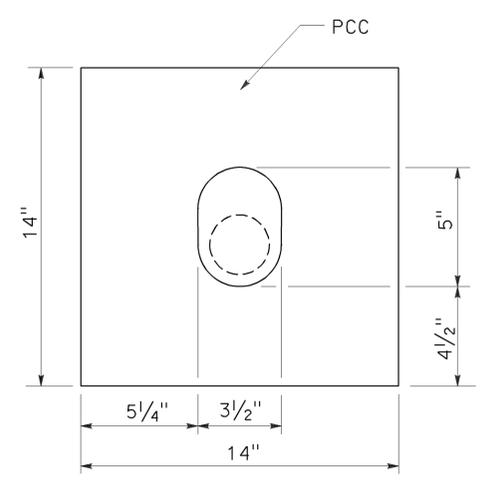
July 19, 2013
 PLANS APPROVAL DATE

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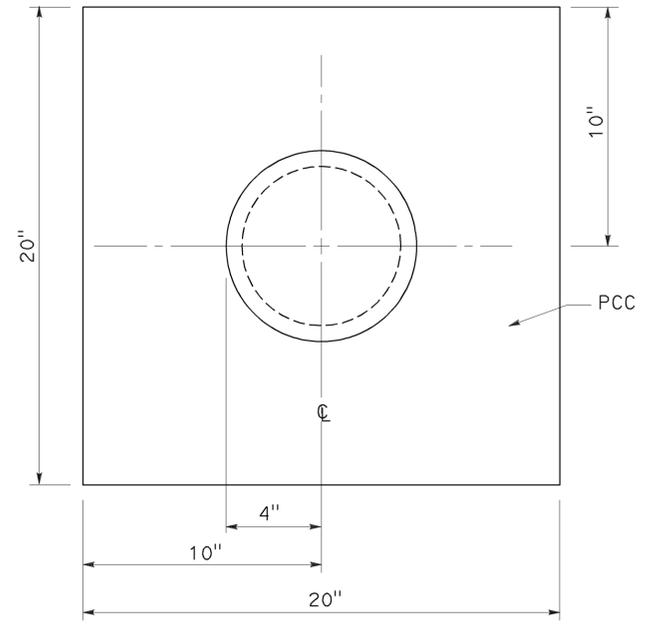
DATE: 2-28-15
 REVIEWED BY: 7-19-13
 DATE



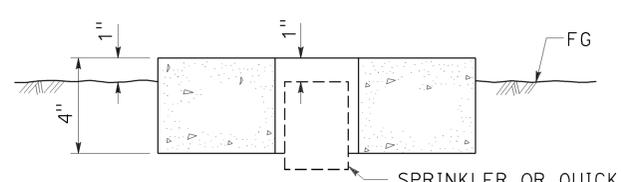
TO ACCOMPANY PLANS DATED 05-05-14



PLAN

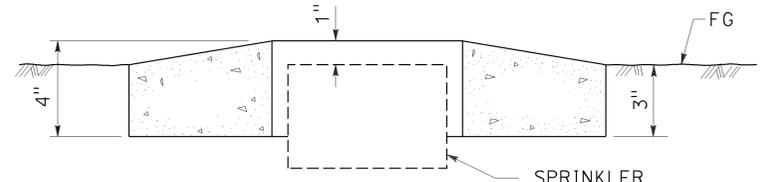


PLAN



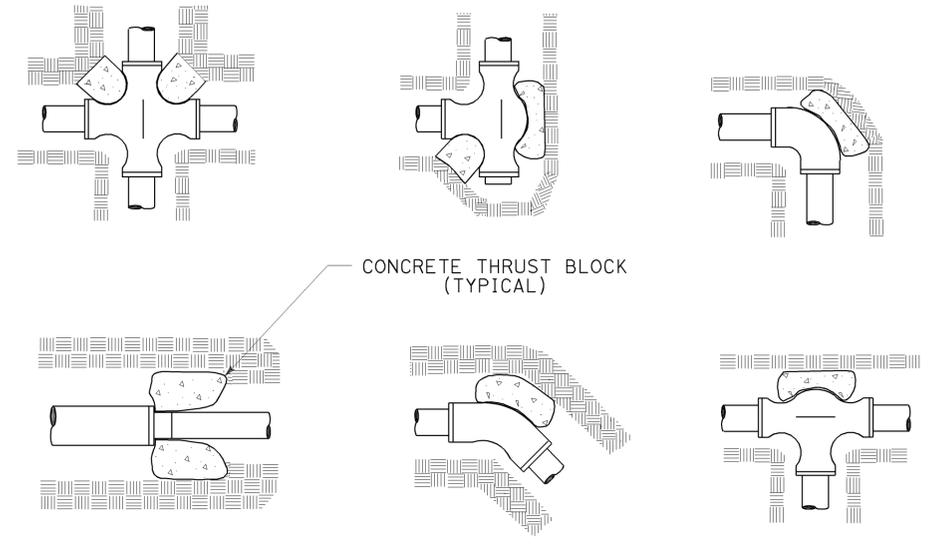
SECTION

SPRINKLER PROTECTOR TYPE I

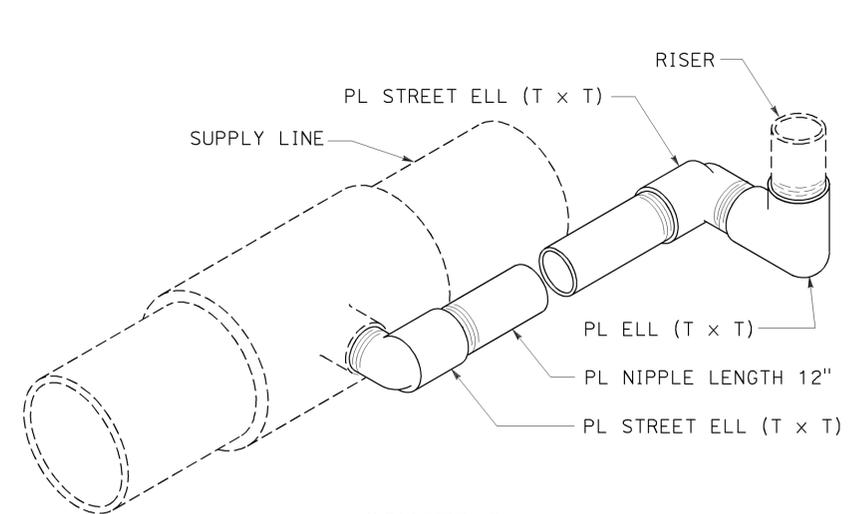


SECTION

SPRINKLER PROTECTOR TYPE II

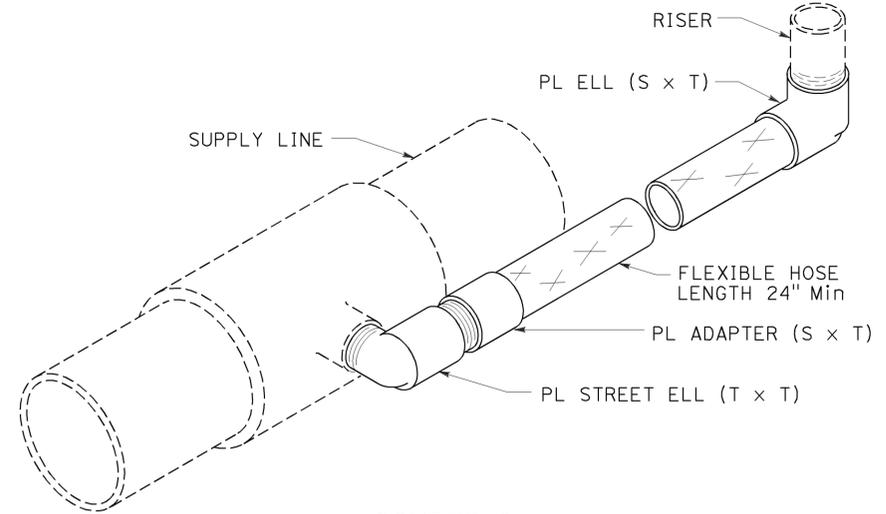


TYPICAL THRUST BLOCKS



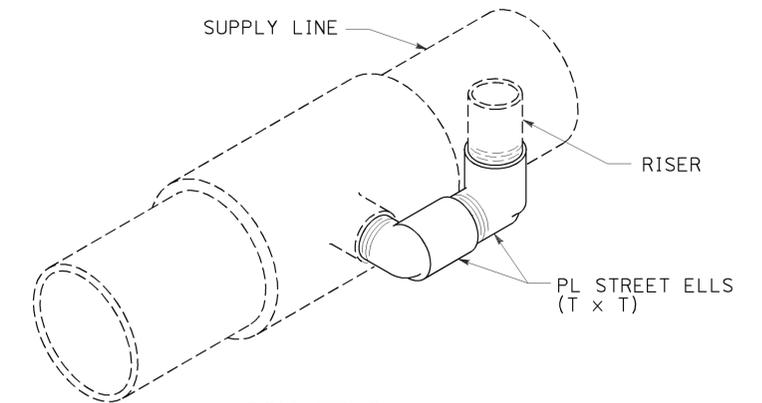
ISOMETRIC

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

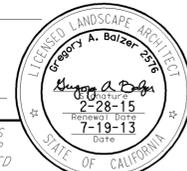
RSP H6 DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN H6 DATED MAY 20, 2011 - PAGE 223 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP H6

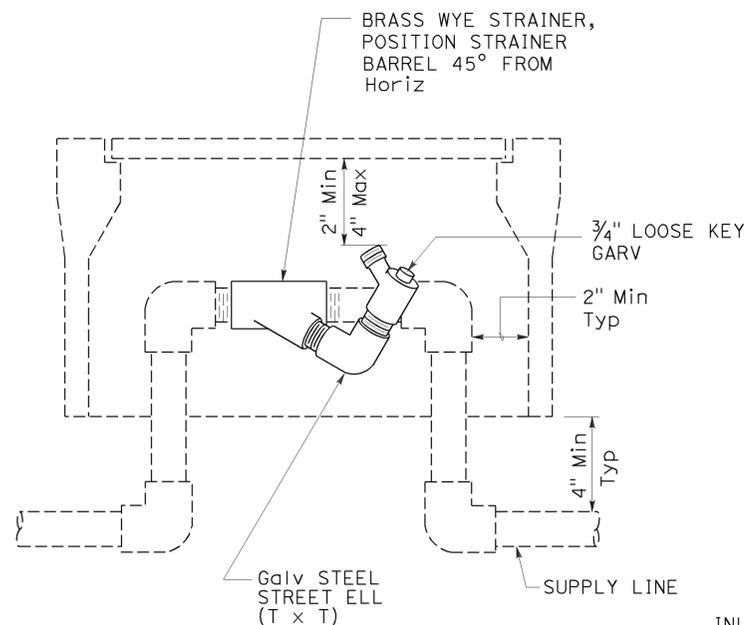
2010 REVISED STANDARD PLAN RSP H6

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	61	67

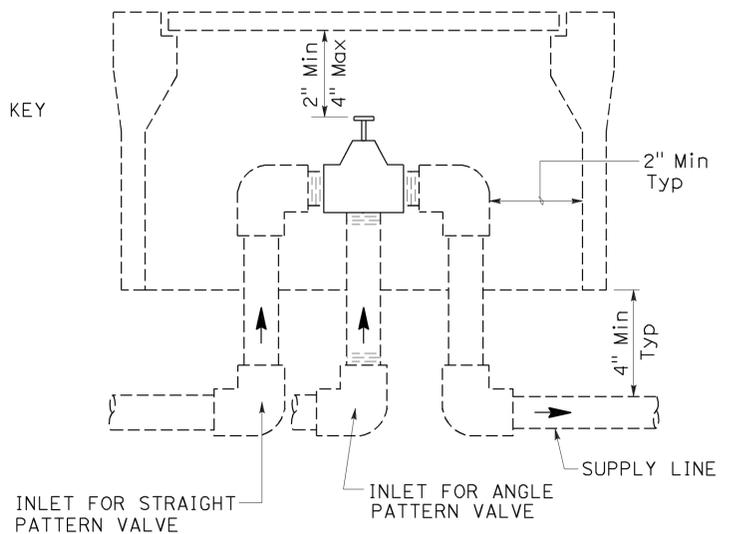
Gregory A. Balzer
 LICENSED LANDSCAPE ARCHITECT
 July 19, 2013
 PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



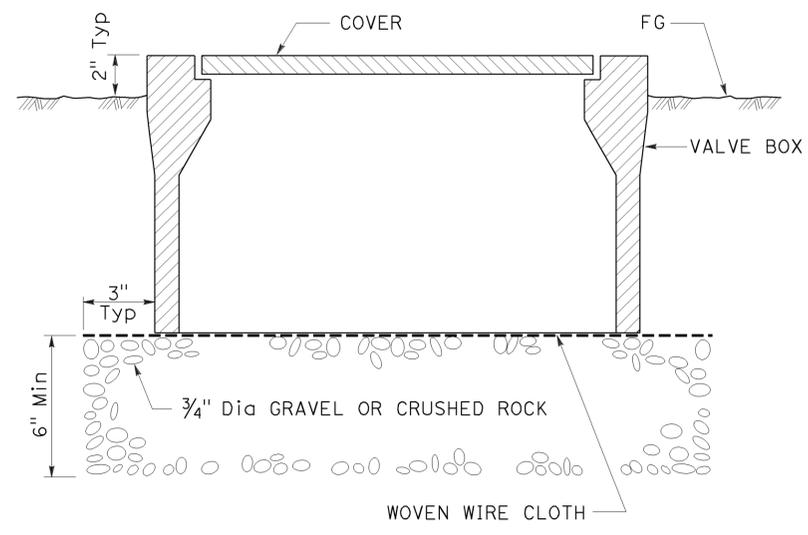
TO ACCOMPANY PLANS DATED 05-05-14



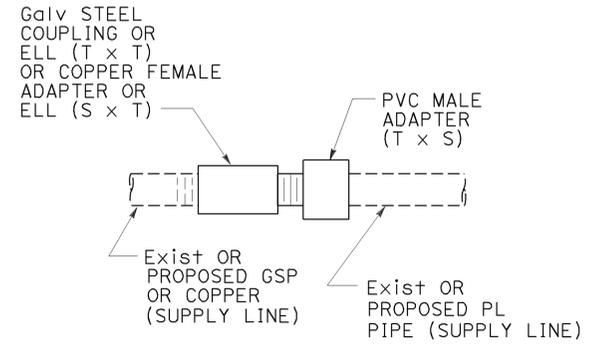
**ELEVATION
WYE STRAINER ASSEMBLY**



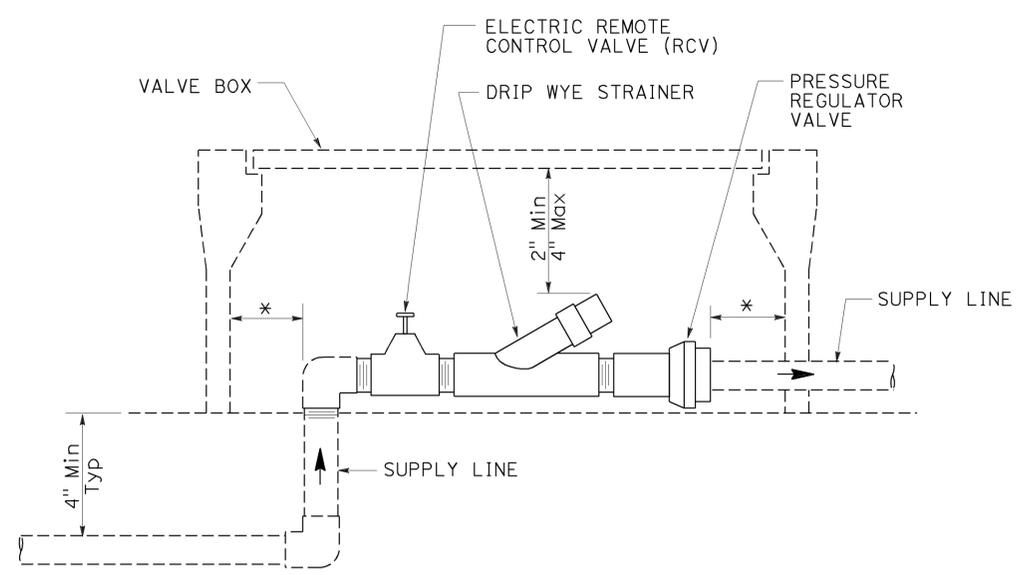
**ELEVATION
VALVE**



**SECTION
VALVE BOX**



**GALVANIZED OR COPPER PIPE
CONNECTION TO PLASTIC PIPE**

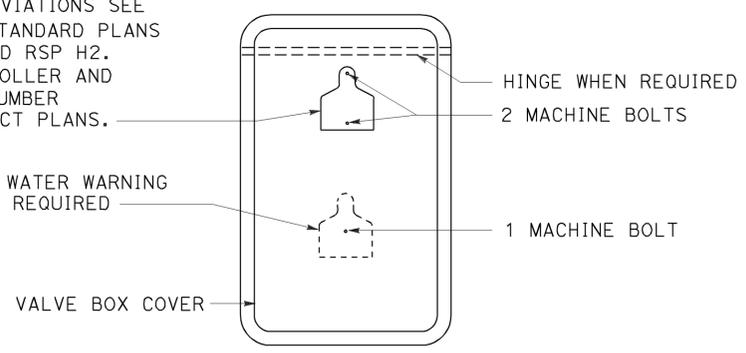


**ELEVATION
DRIP VALVE ASSEMBLY**

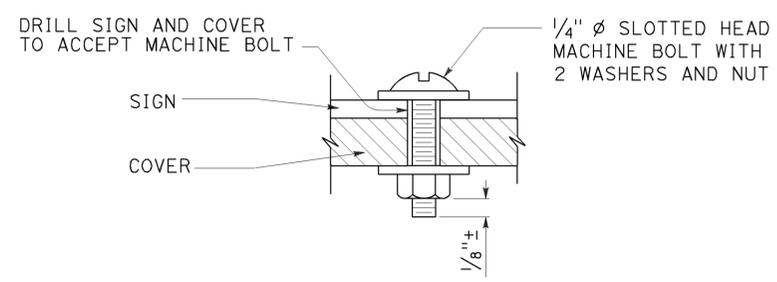
* 2" CLEARANCE ON ALL SIDES

IDENTIFICATION LABEL:
FOR ABBREVIATIONS SEE
REVISED STANDARD PLANS
RSP H1 AND RSP H2.
FOR CONTROLLER AND
STATION NUMBER
SEE PROJECT PLANS.

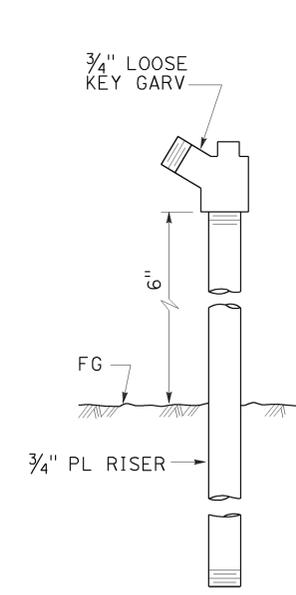
RECYCLED WATER WARNING
SIGN WHEN REQUIRED



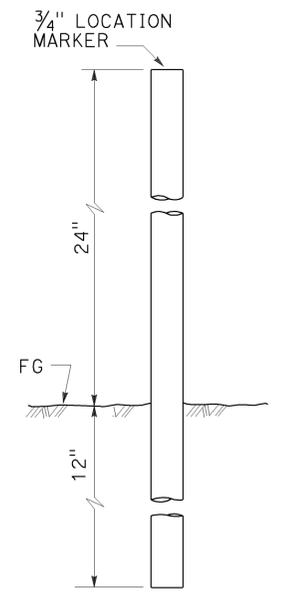
PLAN



**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

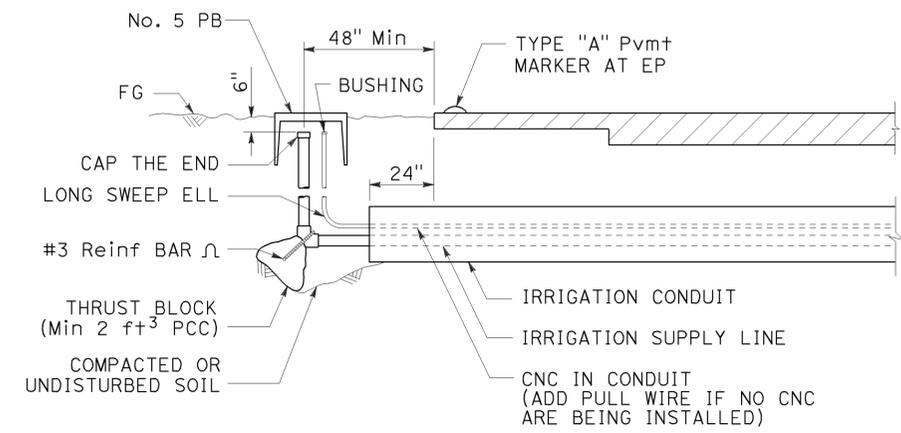
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	62	67

Gregory A. Balzer
 LICENSED LANDSCAPE ARCHITECT

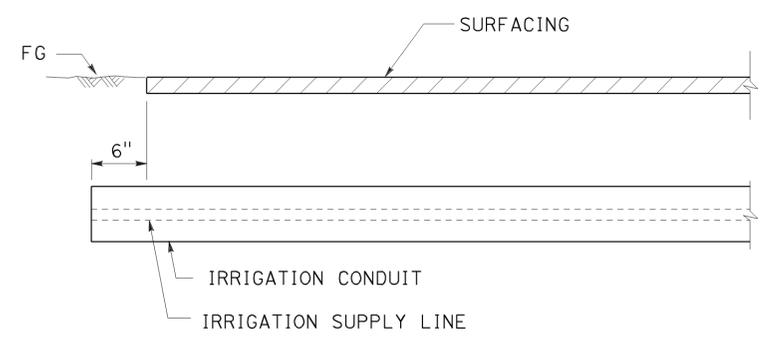
July 19, 2013
 PLANS APPROVAL DATE

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.

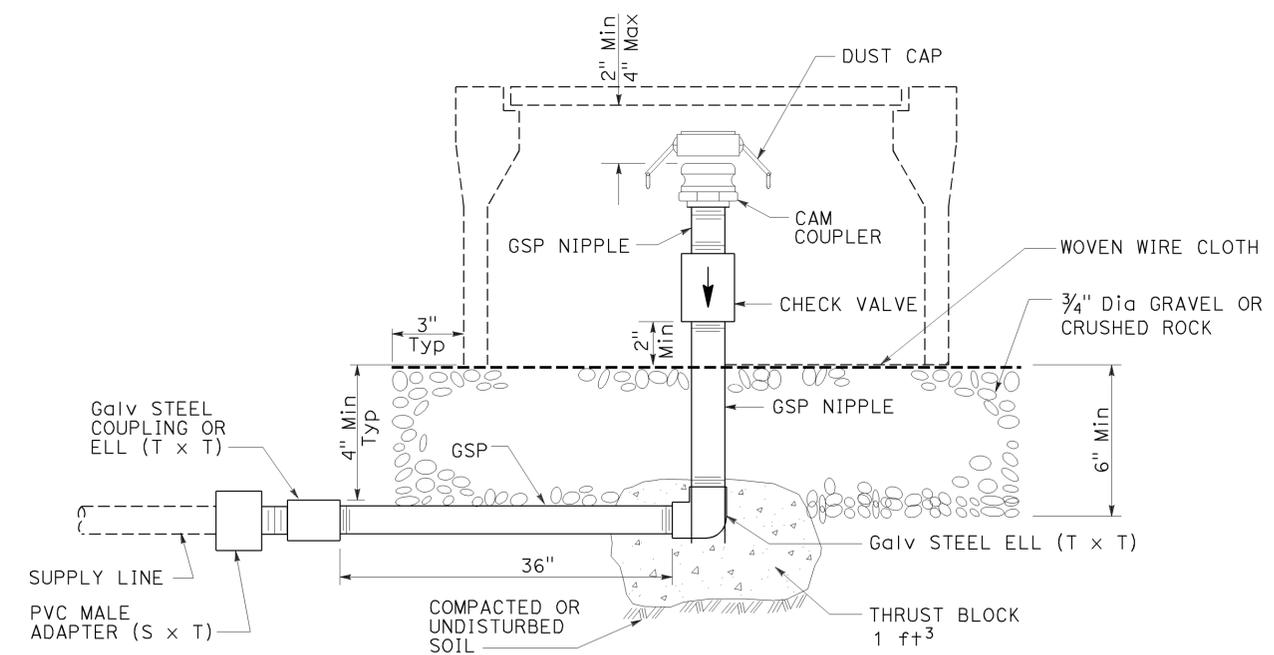
TO ACCOMPANY PLANS DATED 05-05-14



SECTION
IRRIGATION CONDUIT
 UNDER TRAVELED WAY



SECTION
IRRIGATION CONDUIT
 UNDER SIDEWALKS, DRIVEWAYS AND PATHS



ELEVATION
CAM COUPLER ASSEMBLY

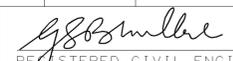
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
LANDSCAPE DETAILS
 NO SCALE

RSP H9 DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN H9 DATED MAY 20, 2011 - PAGE 226 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP H9

2010 REVISED STANDARD PLAN RSP H9

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	63	67


 REGISTERED CIVIL ENGINEER
 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 05-05-14

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		
	TANGENT 2L	MERGING L	SHIFTING L/2	SHOULDER L/3	X	Y	Z **
					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%
		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 recommended distances.

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

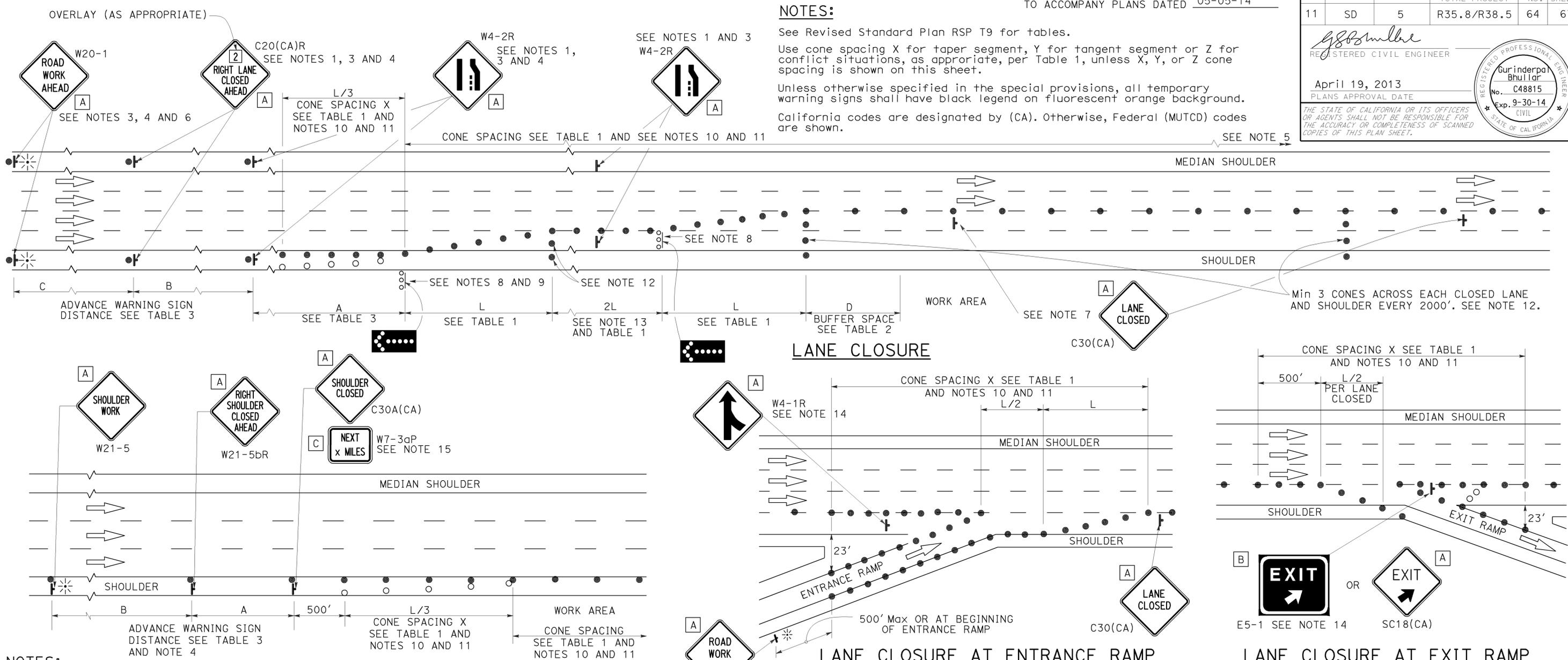
2010 REVISED STANDARD PLAN RSP T9

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	64	67

REGISTERED CIVIL ENGINEER
 April 19, 2013
 PLANS APPROVAL DATE

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

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- NOTES:**
- 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 closures.
 - Duplicate sign installations are not required:
 - On opposite shoulder if at least one-half of the available lanes remain open to traffic.
 - In the median if the width of the median shoulder is less than 8' and the outside lanes are to be closed.
 - Each advance warning sign on each side of the roadway shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
 - A G20-2 "END ROAD WORK" sign, with minimum size of 48" x 24" as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious or ends within a larger project's limits.

- SHOULDER CLOSURE**
- 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) "NEXT _____ MILES" sign for the first advance warning sign.
 - Place a C30(CA) sign every 2000' throughout length of lane closure.
 - One flashing arrow sign for each lane closed. The flashing arrow signs shall be Type I.
 - A minimum 1500' of sight distance shall be provided where possible for vehicles approaching the first flashing arrow sign. Lane closures shall not begin at top of crest vertical curve or on a horizontal curve.
 - 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.

- Unless otherwise specified in the special provisions, a minimum of 3 cones shall be placed transversely across each closed lane and shoulder at each location where a taper across a traffic lane ends and every 2000' as shown on the "Lane Closure" detail. Two Type II barricades may be used instead of the 3 cones. The transverse alignment of the cones or barricades on the closed shoulder may be shifted from the transverse alignment to provide access to the work.
- Unless otherwise specified in the special provisions, the 2L tangent shown along lane lines shall be used between the L tapers required for each closed traffic lane.
- Unless otherwise specified in the special provisions, the E5-1 or SC18(CA) and W4-1 signs shall be used as shown.
- A W7-3aP "NEXT _____ MILES" plaque must be used if the shoulder closure extends beyond the distance that can be perceived by road users.

LEGEND

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

SIGN PANEL SIZE (Min)

A	48" x 48"
B	72" x 60"
C	36" x 30"

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL SYSTEM
 FOR LANE CLOSURE ON
 FREEWAYS AND EXPRESSWAYS**

NO SCALE

RSP T10 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T10
 DATED MAY 20, 2011 - PAGE 237 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T10

2010 REVISED STANDARD PLAN RSP T10

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	65	67

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

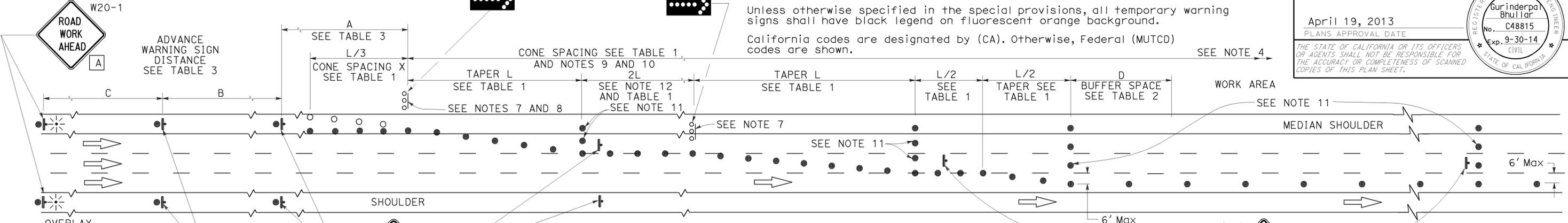
April 19, 2013
 PLANS APPROVAL DATE

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.

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.

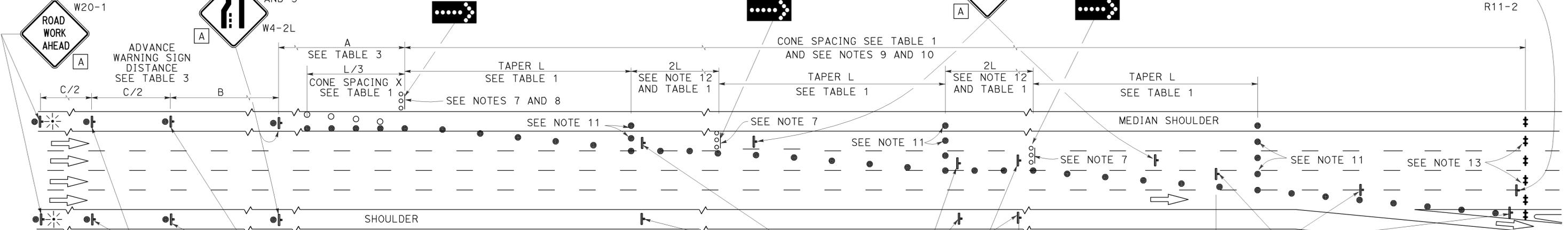
Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background.
 California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

SEE NOTES 3 AND 5



LANE CLOSURE WITH PARTIAL SHOULDER USE

SEE NOTES 3 AND 5



COMPLETE CLOSURE

NOTES:

- Lane closures on the right side using partial median shoulder as a traffic lane shall conform to the details as shown except that C20(CA)R and W4-2R signs shall be used.
- At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closures.
- Each advance warning sign on each side of the roadway shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" X 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
- A G20-2 "END ROAD WORK" sign, with minimum size of 48" x 24" as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious or ends within a larger project's limits.
- 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.
- Place a C30(CA) sign every 2000' throughout length of lane closure.
- One flashing arrow sign for each lane closed. The flashing arrow signs shall be Type I.
- 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.
- 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.
- Unless otherwise specified in the special provisions, a minimum of 3 cones shall be placed transversely across each closed lane and shoulder at each location where a taper across a traffic lane ends and every 2000' as shown on the "Lane Closure With Partial Shoulder Use" detail. Two Type II barricades may be used instead of the 3 cones. The transverse alignment of the cones or barricades on the closed shoulder may be shifted from the transverse alignment to provide access to the work.
- Unless otherwise specified in the special provisions, the 2L tangent shown along lane lines shall be used between the L tapers required for each closed traffic lane.
- A minimum of Two Type II or III barricades shall be placed across each closed lane and shoulder at the location shown and every 2000' within the complete closure area. Within the complete closure area, the transverse alignment of the barricades on the closed shoulder may be shifted from the transverse alignment to provide access to the work.
- When specified in the special provisions, a W20-2 "DETOUR AHEAD" sign is to be used in place of the W20-3 "FREEWAY CLOSED AHEAD" sign.

SIGN PANEL SIZE (Min)

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

LEGEND

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

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**TRAFFIC CONTROL SYSTEM
 FOR LANE CLOSURES ON
 FREEWAYS AND EXPRESSWAYS**
 NO SCALE

RSP T10A DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T10A DATED MAY 20, 2011 - PAGE 238 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T10A

2010 REVISED STANDARD PLAN RSP T10A

TYPICAL RAMP CLOSURES

SIGN PANEL SIZE (Min)

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

LEGEND

- TRAFFIC CONE
- † TEMPORARY TRAFFIC CONTROL SIGN
- ‡ BARRICADES
- ⚡ PORTABLE FLASHING BEACON

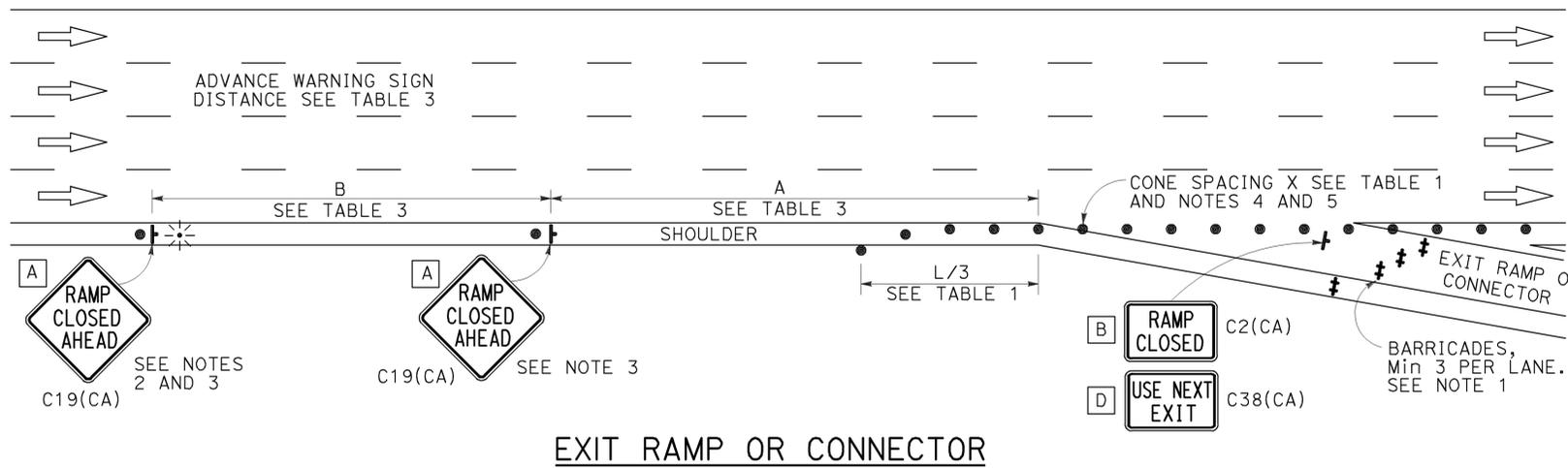
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	66	67

Gurinderpal Bhullar
 REGISTERED CIVIL ENGINEER
 April 19, 2013
 PLANS APPROVAL DATE

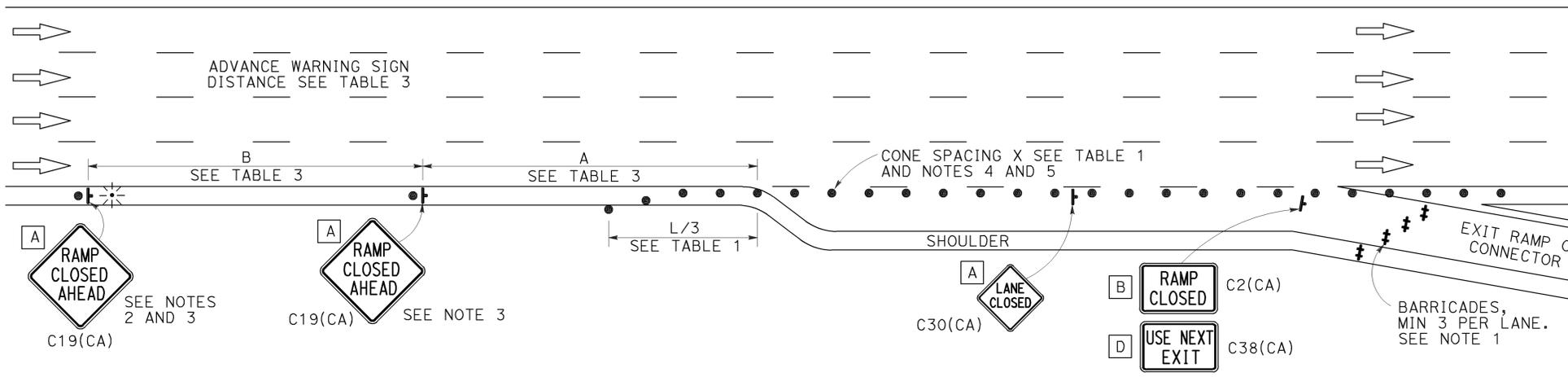
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TO ACCOMPANY PLANS DATED 05-05-14

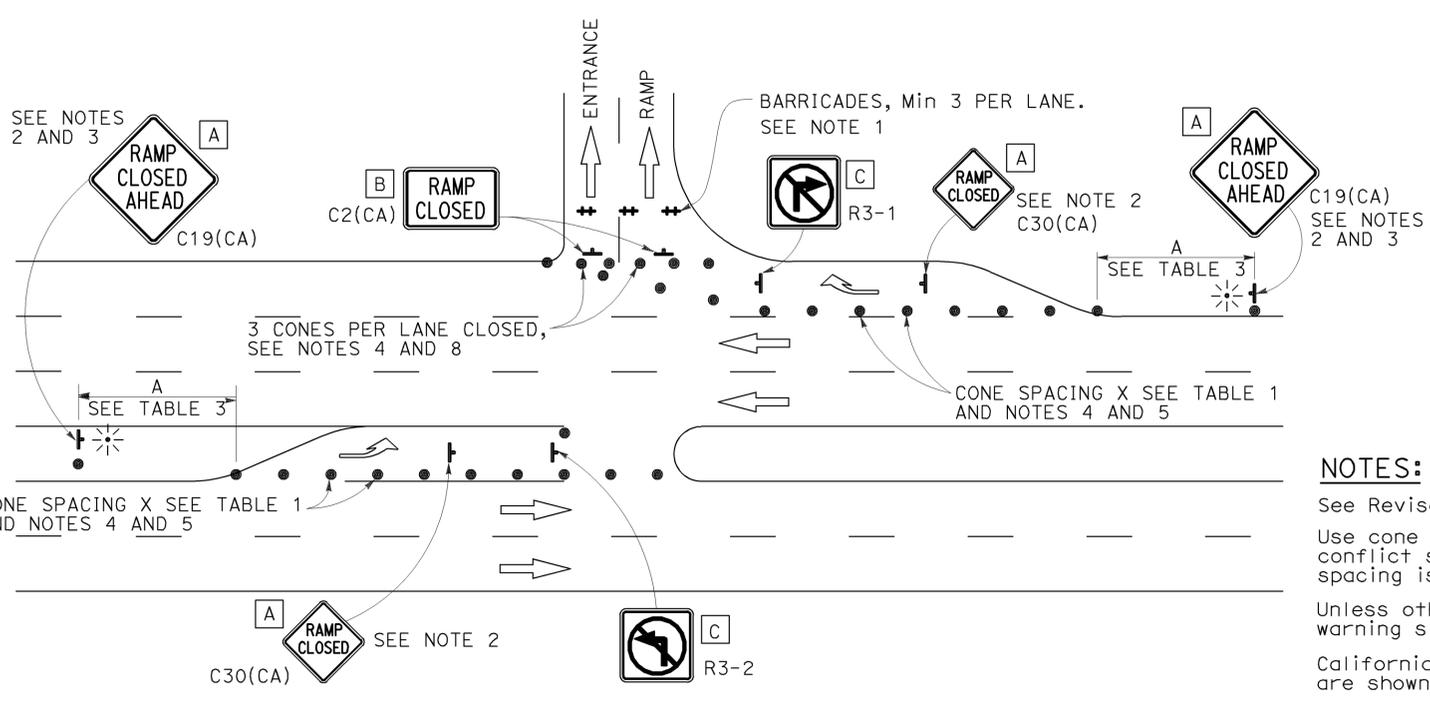
2010 REVISED STANDARD PLAN RSP T14



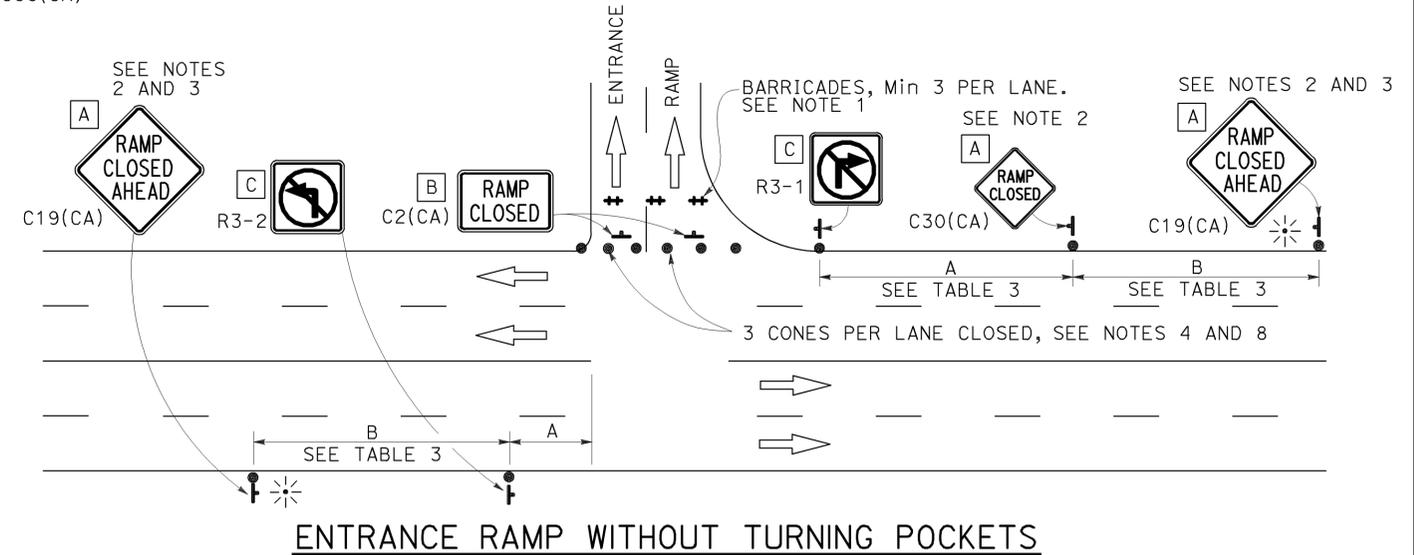
EXIT RAMP OR CONNECTOR



EXIT RAMP OR CONNECTOR WITH ADDITIONAL LANE



ENTRANCE RAMP WITH TURNING POCKETS



ENTRANCE RAMP WITHOUT TURNING POCKETS

NOTES:

1. See Revised Standard Plan RSP T9 for tables.
2. 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.
3. Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background.
4. California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

NOTES:

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

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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	5	R35.8/R38.5	67	67

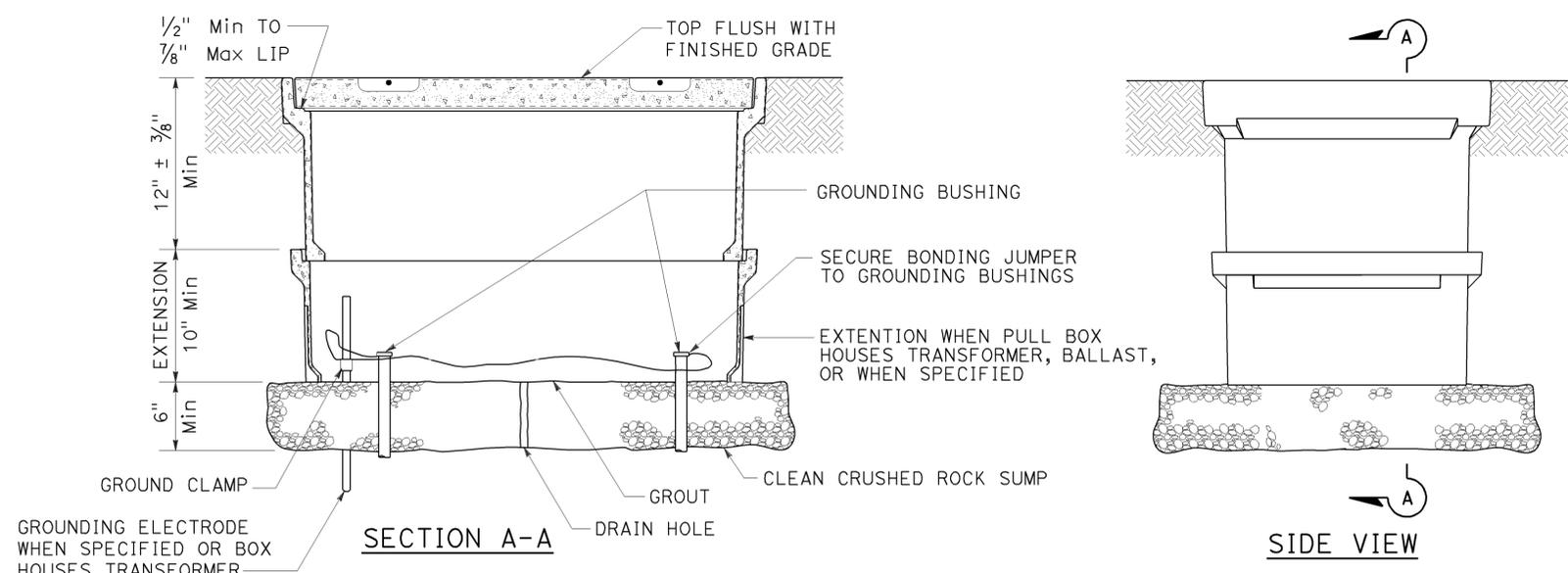
Theresa Gabriel
REGISTERED ELECTRICAL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

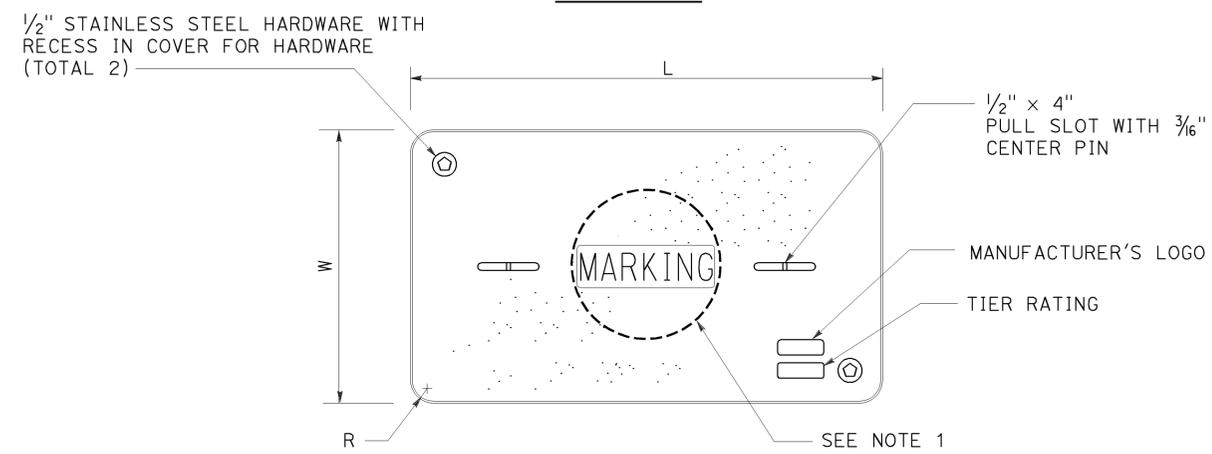
Theresa Aziz Gabriel
No. E15129
Exp. 6-30-14
ELECTRICAL
STATE OF CALIFORNIA

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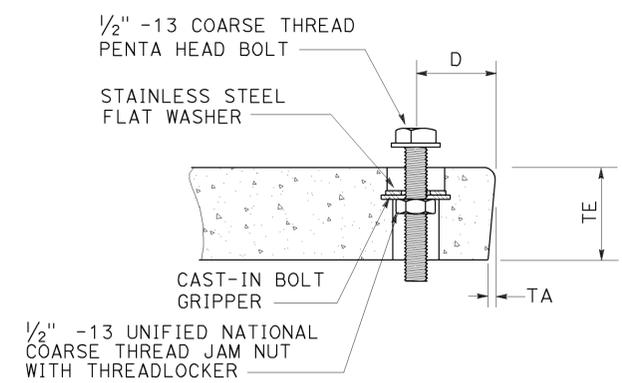
TO ACCOMPANY PLANS DATED 05-05-14



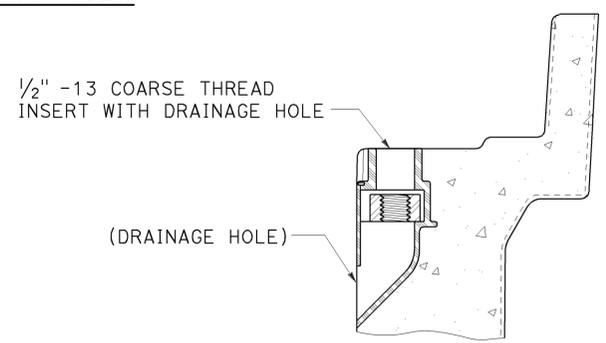
INSTALLATION DETAILS
DETAIL A



COVER TOP VIEW



TYPICAL COVER CAPTIVE BOLT
OR SIMILAR



TYPICAL THREADED INSERT
OR SIMILAR

NOTES:

- 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;
 - No. 3 1/2 pull box.
 - "SIGNAL" - Traffic signal circuits with or without lighting or sign lighting circuits.
 - "LIGHTING" - Lighting or sign lighting circuits where voltage is under 600 V.
 - No. 5, 6, 9 or 9A pull box.
 - "TRAFFIC SIGNAL" - Traffic signal circuits with or without lighting or sign lighting circuits.
 - "LIGHTING" - Lighting or sign lighting circuits where voltage is under 600 V.
 - "LIGHTING-HIGH VOLTAGE" - Lighting or sign lighting circuits where voltage is above 600 V.
 - "IRRIGATION" - Circuits to irrigation controller 120 V or more.
 - "RAMP METER" - Ramp meter circuits.
 - "COUNT STATION" - Count or speed monitor circuits.
 - "COMMUNICATIONS" - Communication circuits.
 - "TOS COMMUNICATIONS" - TOS communication line.
 - "TOS POWER" - TOS power.
 - "TDC POWER" - Telephone demarcation cabinet power.
 - "CCTV" - Closed circuit television circuits.
 - "TMS" - Traffic monitoring station circuits.
 - "CMS" - Changeable message sign circuits.
 - "HAR" - Highway advisory radio circuits.
 - "BOOSTER PUMP" - Booster pump circuit.
- 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 1/8" greater.
- 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 1/8". Top outside radius of covers and pull boxes shall have a 1/8" radius.
- Pull box extension may be another pull box as long as the bottom edge of the pull box can fit into the cover opening.
- All dimensions for the cover for non-traffic pull box are nominal values.

DIMENSION TABLE										
PULL BOX	PULL BOX			COVER						
	MINIMUM DEPTH BOX	MINIMUM DEPTH EXTENSION	MAXIMUM WEIGHT	L	W	R	TE	TA	D	MAXIMUM WEIGHT
No. 3 1/2	12"	N/A	40 lb	1' - 3 3/8"	10 1/8"	1 3/8"	2"	1/8"	1 3/4"	30 lb
No. 5	12"	10"	55 lb	1' - 11 1/4"	1' - 1 3/4"	1 3/8"	2"	1/8"	1 3/4"	60 lb
No. 6	12"	10"	70 lb	2' - 6 1/2"	1' - 5 1/2"	1 3/8"	2"	1/8"	2"	85 lb

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