Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	901	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Signature
10-31-14
Renewal date
10-29-13
Date
STATE OF CALIFORNIA

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

SUBTOTALS PER VALVE ON LATERAL SUPPLY SIDE OF CONTROL VALVE

VALVE OR ASSEMBLY NUMBER FOR - 48 STATION '(K)'

DESCRIPTION		UNIT	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	SUBTOTALS	UNIT	DESCRIPTION	
PLASTIC PIPE SUPPLY LINE SCH 40	1 INCH	LF	210	210	210	210	315	180	210	300	300	195	155	180	155	195	280	185	210	275	195	190	195	225	230	120	200	210	210	245	195	280	195	180	195	180	185	225	250	-	-	-	7880	LF	1 INCH	PLASTIC PIPE SUPPLY LINE SCH 40
	1¼ INCH	LF	140	140	140	140	35	-	175	250	300	180	75	45	40	195	220	180	225	210	195	125	210	115	220	210	110	170	230	85	195	150	180	120	180	120	130	170	115	-	-	-	5720	LF	1¼ INCH	
	1½ INCH	LF	140	140	35	70	30	-	65	-	150	65	-	-	-	35	70	20	80	140	50	65	20	65	155	-	-	30	50	120	20	-	50	-	-	-	-	-	15	-	-	-	1680	LF	1½ INCH	
	2 INCH	LF	-	-	5	5	35	5	5	105	-	5	-	170	100	5	185	5	5	30	5	40	5	5	-	-	5	150	5	135	5	75	5	165	5	175	165	5	115	-	-	-	1730	LF	2 INCH	
PLASTIC PIPE SUPPLY LINE PR 315	2½ INCH	LF	5	5	-	-	-	-	-	-	130	-	-	-	-	-	-	-	-	-	-	-	-	-	120	-	-	-	-	-	-	-	-	-	-	-	-	-	-				260	LF	2½ INCH	
	3 INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	OPEN	OPEN	OPEN	-	LF	3 INCH	
DIP GSP																																														DIP GSP
DIP																																														DIP
SPRINKLER TYPE	⑤ 5	EA	-	-	-	-	12	-	-	-	-	-	5	-	2	-	-	-	-	-	-	15	-	-	-	-	-	10	-	13	-	-	-	11	-	11	10	-	13	-	-	-	102	EA	⑤ 5	SPRINKLER TYPE
	⑥	EA	15	15	12	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59	EA	⑥	
	⑦ 7	EA	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	EA	⑦ 7	
	⑧	EA	-	-	-	-	-	5	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	EA	⑧	
	⑪ 11	EA	-	-	-	-	-	-	23	23	31	27	-	-	-	25	28	19	28	28	27	-	26	15	-	-	6	3	28	-	26	21	25	-	23	-	-	16	-	-	-	-	448	EA	⑪ 11	
	⑫	EA	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	5	-	-	-	-	-	6	-	-	12	-	-	-	-	-	-	-	-	-	-	7	-	-	-	-	33	EA	⑫	
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VALVE OR ASSEMBLY NUMBER FOR - 36 STATION '(L)'

DESCRIPTION		UNIT	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	SUBTOTALS	UNIT	DESCRIPTION	
PLASTIC PIPE SUPPLY LINE SCH 40	1 INCH	LF	260	175	140	235	250	205	165	300	180	180	180	300	180	210	245	180	180	265	195	275	195	160	195	210	160	320	460	210	210	275	210	275	-	-	-	-	-	-	-	-	7180	LF	1 INCH	PLASTIC PIPE SUPPLY LINE SCH 40
	1¼ INCH	LF	160	-	95	210	80	190	35	225	45	45	45	50	45	210	160	45	90	110	180	140	75	80	180	70	80	50	-	145	195	115	190	105	-	-	-	-	-	-	-	-	3445	LF	1¼ INCH	
	1½ INCH	LF	-	50	-	-	90	65	60	75	-	45	-	165	-	35	-	-	70	80	50	25	-	40	-	-	40	-	-	50	35	-	35	-	-	-	-	-	-	-	-	-	1010	LF	1½ INCH	
	2 INCH	LF	5	-	-	5	20	5	-	80	75	115	210	-	255	-	5	50	65	200	5	35	5	-	5	80	-	165	-	5	5	95	5	75	-	-	-	-	-	-	-	-	1570	LF	2 INCH	
PLASTIC PIPE SUPPLY LINE PR 315	2½ INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85	-	-	-	-	5	-	-	100	-	-	-	-	-	-	-					-	-	-	-	190	LF	2½ INCH	
	3 INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	OPEN	OPEN	OPEN	OPEN	-	-	-	-	-	LF	3 INCH	
DIP GSP																																														DIP GSP
DIP																																														DIP
SPRINKLER TYPE	⑤ 5	EA	-	6	5	-	13	-	8	-	-	-	-	-	-	-	-	-	1	5	-	-	-	-	-	9	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58	EA	⑤ 5	SPRINKLER TYPE
	⑥	EA	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	EA	⑥	
	⑦ 7	EA	-	-	-	-	-	-	-	-	6	7	6	-	6	-	-	5	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39	EA	⑦ 7	
	⑧	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	EA	⑧	
	⑪ 11	EA	10	-	-	15	-	20	-	24	-	-	-	15	-	24	20	-	-	11	23	19	4	-	20	-	-	-	-	19	24	18	16	-	-	-	-	-	-	-	-	-	282	EA	⑪ 11	
	⑫	EA	12	-	-	10	-	7	-	-	-	-	-	-	-	2	5	-	-	-	5	-	17	-	4	-	-	-	-	5	-	-	9	-	-	-	-	-	-	-	-	-	76	EA	⑫	
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IRRIGATION QUANTITIES

IQ- 7

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ

CALCULATED-DESIGNED BY: STEPHEN P. WARREN
CHECKED BY: JOEL HORTIZUELA
REVISED BY
DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 21-MAR-2014
TIME PLOTTED => 11:13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	902	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Signature
10-31-14
Renewal date
10-29-13
Date
STATE OF CALIFORNIA

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

SUBTOTALS PER VALVE ON LATERAL SUPPLY SIDE OF CONTROL VALVE

DESCRIPTION			UNIT	VALVE OR ASSEMBLY NUMBER FOR - 36 STATION '(M)'																																						SUBTOTALS	UNIT	DESCRIPTION		
				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					
PLASTIC PIPE SUPPLY LINE	SCH 40	1 INCH	LF	180	205	260	190	210	180	210	190	175	180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1980	LF	1 INCH	SCH 40	PLASTIC PIPE SUPPLY LINE
		1¼ INCH	LF	90	190	105	225	140	90	160	130	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1230	LF	1¼ INCH		
		1½ INCH	LF	90	-	35	50	105	90	50	130	35	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	640	LF	1½ INCH		
		2 INCH	LF	-	5	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	LF	2 INCH		
	PR 315	2½ INCH	LF	230	-	-	-	80	250	5	105	-	-	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING														-	-	-	-	670	LF	2½ INCH	PR 315	
		3 INCH	LF		-	-	-	-		-	-	-	-														OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	-	-	-	-	-	LF	3 INCH		
DIP GSP																																															DIP GSP	
SPRINKLER TYPE		⑤ 5	EA	-	-	-	-	14	-	-	15	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36	EA	⑤ 5	SPRINKLER TYPE	
		⑥	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	EA	⑥		
		⑦ 7	EA	9	-	-	-	-	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	EA	⑦ 7		
		⑧	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	EA	⑧		
		⑪ 11	EA	-	16	15	28	-	-	29	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	108	EA	⑪ 11		
		⑫	EA	-	9	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	EA	⑫		
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DESCRIPTION			UNIT	VALVE OR ASSEMBLY NUMBER FOR - 40 STATION '(B)'																																								SUBTOTALS	UNIT	DESCRIPTION		
				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					
PLASTIC PIPE SUPPLY LINE	SCH 40	1 INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	LF	1 INCH	SCH 40	PLASTIC PIPE SUPPLY LINE
		1¼ INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	LF	1¼ INCH		
		1½ INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	LF	1½ INCH		
		2 INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	LF	2 INCH		
	PR 315	2½ INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	LF	2½ INCH	PR 315	
		3 INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	LF	3 INCH		
DIP GSP																																															DIP GSP	
DIP																																															DIP	
SPRINKLER TYPE		⑤ 5	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	EA	⑤ 5	SPRINKLER TYPE	
		⑥	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	EA	⑥		
		⑦ 7	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	EA	⑦ 7		
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IRRIGATION QUANTITIES

IQ- 8

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ
CALCULATED-DESIGNED BY: STEPHEN P. WARREN
CHECKED BY: JOEL HORTIZUELA
REVISED BY
DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 21-MAR-2014
TIME PLOTTED => 11:13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	903	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — STEPHEN P. WARREN No. 3442 — Signature — 10-31-14 Renewal Date — 10-29-13 Date — STATE OF CALIFORNIA

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

SUBTOTALS PER VALVE ON LATERAL SUPPLY SIDE OF CONTROL VALVE

VALVE OR ASSEMBLY NUMBER FOR - 48 STATION '(N)'

DESCRIPTION		UNIT	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	SUBTOTALS	UNIT	DESCRIPTION	
PLASTIC PIPE SUPPLY LINE SCH 40	1 INCH	LF	225	180	180	225	180	180	180	180	600	180	180	180	180	180	180	180	180	180	225	180	180	1050	180	180	180	180	225	180	225	550			240	260		290			240		8315	LF	1 INCH	PLASTIC PIPE SUPPLY LINE SCH 40
	1¼ INCH	LF	-	90	90	-	45	45	45	45	50	90	45	45	90	90	45	-	90	45	-	45	45	120	45	45	45	45	50	45	-	90	EXISTING	EXISTING	160	50	EXISTING	75	EXISTING	EXISTING	160	EXISTING	1970	LF	1¼ INCH	
	1½ INCH	LF	-	45	45	-	-	45	-	-	100	45	45	-	45	45	-	45	-	-	45	-	-	80	45	-	45	45	-	-	80	-			160	5		5			40		1010	LF	1½ INCH	
	2 INCH	LF	90	100	-	80	80	-	180	220	-	-	65	190	-	-	200	80	170	50	130	260	270	260	50	120	170	310	-	290	45	-			40	-		-			40		3490	LF	2 INCH	
PLASTIC PIPE SUPPLY LINE PR 315	2½ INCH	LF	-	-	270	-	-	5	-	-	-	140	-	-	60	280	-	-	-	-	-	-	-	-	-	-	-	-	280	-	30	-			5	-		-					1070	LF	2½ INCH	PLASTIC PIPE SUPPLY LINE PR 315
	3 INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		-						LF	3 INCH	
DIP GSP																																														DIP GSP
DIP																																														DIP
SPRINKLER TYPE	⑤ 5	EA	2	1	-	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	17	-	-	-	-	-	11	-	37	EA	⑤ 5	SPRINKLER TYPE
	⑥	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	EA	⑥	
	⑦ 7	EA	4	6	8	3	6	4	7	5	-	8	7	6	8	8	6	6	7	6	7	6	6	-	7	6	2	5	6	6	9	-	-	-	-	-	-	-	-	-	-	-	165	EA	⑦ 7	
	⑧	EA	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	EA	⑧	
	⑪ 11	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	EA	⑪ 11	
	⑫	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-	9	-	-	-	-	25	EA	⑫	
		EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	EA		
	●	EA	-	-	-	-	-	-	-	-	53	-	-	-	-	=		-	-	-	-	-	-	72	-	-	-	-	-	-	-	56	-	-	-	-	-	-	-	-	-	-	181	EA	●	

DESCRIPTION		UNIT	CONTINATION OF VALVE OR ASSEMBLY NUMBER FOR - 48 STATION '(N)'								VALVE OR ASSEMBLY NUMBER FOR - 24 STATION '(Q)'										SUBTOTALS	UNIT	DESCRIPTION	
			41	42	43	44	45	46	47	48	1	2	3	4	5	6	7	8	9					
PLASTIC PIPE SUPPLY LINE SCH 40	1 INCH	LF	240	-	-	-	-	-	-	-									425		665	LF	1 INCH	PLASTIC PIPE SUPPLY LINE SCH 40
	1¼ INCH	LF	160	-	-	-	-	-	-	-	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	25		185	LF	1¼ INCH	
	1½ INCH	LF	40	-	-	-	-	-	-	-									-		40	LF	1½ INCH	
	2 INCH	LF	40	-	-	-	-	-	-	-									70		110	LF	2 INCH	
PLASTIC PIPE SUPPLY LINE PR 315	2½ INCH	LF	-																-		-	LF	2½ INCH	PLASTIC PIPE SUPPLY LINE PR 315
	3 INCH	LF	-	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN									-		-	LF	3 INCH	
DIP GSP																				OPEN 10-24				DIP GSP
DIP																								DIP
SPRINKLER TYPE	⑤ 5	EA	12	-							-	-	-	-	-	-	-	-	-		12	EA	⑤ 5	SPRINKLER TYPE
	⑥	EA	-	-							-	-	-	-	-	-	-	-	-		-	EA	⑥	
	⑦ 7	EA	-	-							-	-	-	-	-	-	-	-	-		-	EA	⑦ 7	
	⑧	EA	-	-							-	-	-	-	-	-	-	-	-		-	EA	⑧	
	⑪ 11	EA	-	-							-	-	-	-	-	-	-	-	19		19	EA	⑪ 11	
	⑫	EA	-	-							-	-	-	-	-	-	-	-	-		-	EA	⑫	
		EA	-	-							-	-	-	-	-	-	-	-	-		-	EA		
	●	EA	-	-							-	-	-	-	-	-	-	-	-		-	EA	●	

IRRIGATION QUANTITIES

IQ- 9

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ
CALCULATED-DESIGNED BY: STEPHEN P. WARREN
CHECKED BY: JOEL HORTIZUELA
REVISED BY / DATE REVISED

LAST REVISION 12-31-13 | DATE PLOTTED => 21-MAR-2014 | TIME PLOTTED => 11:13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	904	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT STEPHEN P. WARREN No. 3442 Signature 10-31-14 Renewal date 10-29-13 Date STATE OF CALIFORNIA

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

SUBTOTALS PER VALVE ON LATERAL SUPPLY SIDE OF CONTROL VALVE

VALVE OR ASSEMBLY NUMBER FOR - 36 STATION '(O)'

DESCRIPTION		UNIT	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	SUBTOTALS	UNIT	DESCRIPTION	
PLASTIC PIPE SUPPLY LINE	SCH 40	1 INCH	LF	180	180	180	180	180	180	180	180	1180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	270	180	180	180	180	280	180	180	180	180	-	-	-	-	-	-	7310	LF	1 INCH	SCH 40 PLASTIC PIPE SUPPLY LINE
		1¼ INCH	LF	45	45	45	45	45	45	45	45	220	45	45	45	45	45	45	45	45	45	45	45	45	45	45	30	45	45	45	45	40	45	45	45	45	-	-	-	-	-	-	1685	LF	1¼ INCH	
		1½ INCH	LF	45	45	-	45	45	45	45	45	150	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	120	45	45	45	-	45	45	45	45	-	-	-	-	-		1620	LF	1½ INCH	
		2 INCH	LF	-		220	200	-	-	-	200	250	160	130	130	150	-	60	-	180	-	80	-	40	-	160	-	150	-	100	40	5	-	160	-	-	250	-	-	-	-	-	-	2665	LF	2 INCH	
	PR 315	2½ INCH	LF	150	310	-	-	190	50	320	-	-	-	-	-	-	5	-	230	-	120	-	130	140	150	-	-	-	-	-	-	-	-	-	130	50	-	-	-	-	-	-	-	1975	LF	2½ INCH	PR 315 PLASTIC PIPE SUPPLY LINE
		3 INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	LF	3 INCH	
DIP GSP																																														DIP GSP
DIP																																														DIP
SPRINKLER TYPE		⑤ 5	EA	1	-	3	-	-	3	-	-	-	-	-	-	-	3	-	-	-	1	-	1	1	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	EA	⑤ 5	SPRINKLER TYPE
		⑥	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	EA	⑥	
		⑦ 7	EA	7	7	3	7	8	5	8	7	7	7	7	7	7	8	2	8	7	8	6	8	7	7	7	7	4	6	7	7	4	-	5	8	8	2	-	-	-	-	-	-	213	EA	⑦ 7	
		⑧	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	2	-	-	5	-	-	-	-	-	-	10	EA	⑧	
		⑪ 11	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	EA	⑪ 11	
		⑫	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	EA	⑫	
			EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	EA		
		●	EA	-	-	-	-	-	-	-	-	85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	-	-	-	-	-	-	-	-	-	-	99	EA	●	

VALVE OR ASSEMBLY NUMBER FOR - 48 STATION '(P)'

DESCRIPTION		UNIT	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	SUBTOTALS	UNIT	DESCRIPTION	
PLASTIC PIPE SUPPLY LINE	SCH 40	1 INCH	LF	180	290	220	180	180	180	90	180	180		180	180	180	180	180		180	380	180	180	180		225	180	180	90	180	310	180	180	180	640	180	180	180	-	-	-	-	-	6565	LF	1 INCH	SCH 40 PLASTIC PIPE SUPPLY LINE
		1¼ INCH	LF	45	100	45	60	45	45	45	45	45	EXISTING	45	45	45	45	45	EXISTING	45	75	90	45	90	EXISTING	45	90	90	45	90	95	45	90	90	-	45	45	45	-	-	-	-	-	1860	LF	1¼ INCH	
		1½ INCH	LF	45	80	80	30	45	90	95	45	45		45	45	45	45	45		45	90	45	20	45		-	-	45	45	-	-	20	45	45	-	20	20	20	-	-	-	-	-	1285	LF	1½ INCH	
		2 INCH	LF	5	-	-	340	140	-	-	110	5		90	-	-	-	-		140	120	-	80	-		45	30	-	220	250	-	80	120	5	-	80	80	5	-	-	-	-	-	1945	LF	2 INCH	
	PR 315	2½ INCH	LF	-	-	-	-	-	160	-	-	-		-	280	260	190	220		-	260	140	-	100		100	-	220	-	-	-	-			-	-	-	-	-	-	-	-	-	1930	LF	2½ INCH	PR 315 PLASTIC PIPE SUPPLY LINE
		3 INCH	LF	-	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		LF	3 INCH	
DIP GSP																																														DIP GSP
DIP																																														DIP
SPRINKLER TYPE		⑤ 5	EA	-	-	4	3	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	EA	⑤ 5	SPRINKLER TYPE
		⑥	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	EA	⑥	
		⑦ 7	EA	4	-	6	4	7	5	4	7	4	7	8	8	8	7	7	-	8	5	8	8	2	8	5	7	-	5	7	7	-	5	5	7	-	-	-	-	-	-	-	-	173	EA	⑦ 7	
		⑧	EA	3	-	-	-	-	3	-	-	3	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	EA	⑧	
		⑪ 11	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	EA	⑪ 11	
		⑫	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	EA	⑫	
			EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	EA		
		●	EA	-	50	-	-	-	-	-	-	-	-	-	-	-	-	81	-	-	-	-	-	-	-	-	-	-	-	-	-	33	-	-	-	-	-	-	-	-	-	-	-	164	EA	●	

IRRIGATION QUANTITIES

IQ-10

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

LAST REVISION DATE PLOTTED => 21-MAR-2014
12-31-13 TIME PLOTTED => 11:13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	905	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Signature
10-31-14
Renewal date
10-29-13
Date
STATE OF CALIFORNIA

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

SUBTOTALS PER VALVE ON LATERAL SUPPLY SIDE OF CONTROL VALVE

VALVE OR ASSEMBLY NUMBER FOR - 24 STATION '(R)'

DESCRIPTION		UNIT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	SUBTOTALS	UNIT	DESCRIPTION	
PLASTIC PIPE SUPPLY LINE SCH 40	1 INCH	LF	280	275	300	185	165	210	300	150	315	265	650	185	200	390	305	250	-	-	-	-	-	-	-	-	4425	LF	1 INCH	SCH 40 PLASTIC PIPE SUPPLY LINE
	1¼ INCH	LF	90	30	175	65	30	20	60	80	25	95	25	55	20	145	65	65	-	-	-	-	-	-	-	-	1045	LF	1¼ INCH	
	1½ INCH	LF	120	190	90	5	-	-	45	105	50	5	-	25	25	105	-	5	-	-	-	-	-	-	-	-	770	LF	1½ INCH	
	2 INCH	LF	-	-	20	-	-	5	2	-	195	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	227	LF	2 INCH	
PLASTIC PIPE SUPPLY LINE PR 315	2½ INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									-	LF	2½ INCH	PR 315 PLASTIC PIPE SUPPLY LINE
	3 INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	-	LF	3 INCH	
DIP GSP																														DIP GSP
DIP																														DIP
SPRINKLER TYPE	⑤ [5]	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	EA	⑤ [5]	SPRINKLER TYPE
	⑥	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	EA	⑥	
	⑦ [7]	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	EA	⑦ [7]	
	⑧	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	EA	⑧	
	⑪ [11]	EA	-	-	-	-	-	-	1	-	-	-	-	-	-	-	17	14	-	-	-	-	-	-	-	-	32	EA	⑪ [11]	
	⑫	EA	-	-	-	17	12	-	23	-	-	-	-	16	14	-	-	-	-	-	-	-	-	-	-	-	82	EA	⑫	
	○ ⊖ □	EA	20	27	24	-	-	19	-	17	25	36	-	-	-	10	-	-	-	-	-	-	-	-	-	-	178	EA	○ ⊖ □	
	●	EA	16	14	28	-	-	8	-	14	18	9	40	-	-	30		-	-	-	-	-	-	-	-	-	177	EA	●	

IRRIGATION QUANTITIES

IQ-11

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ
CALCULATED-DESIGNED BY: STEPHEN P. WARREN
CHECKED BY: JOEL HORTIZUELA
REVISED BY / DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 21-MAR-2014
TIME PLOTTED => 11:13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	906	1273

LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — HENRY D. BARNES No. 3655 — Expiration Date 12/31/15 — Renewal Date 10/30/13 — 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.

ABBREVIATIONS:

EA — EACH
DIP — DUCTILE IRON PIPE
GSP — GALVANIZED STEEL PIPE
Ft — FOOT/FEET
PR — PRESSURE RATED
SCH — SCHEDULE

SUBTOTALS PER VALVE ON LATERAL SUPPLY SIDE OF CONTROL VALVE

DESCRIPTION			UNIT	VALVE OR ASSEMBLY NUMBER FOR - 24 STATION '(S)'																																						SUBTOTALS	UNIT	DESCRIPTION		
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18																										
PLASTIC PIPE SUPPLY LINE	SCH 40	1 INCH	LF	340	440	665	435	330	640	640	320	320	320	320	320	360	325	425	360	360	360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7280	LF	1 INCH	SCH 40	PLASTIC PIPE SUPPLY LINE
		1¼ INCH	LF	160	40	-	-	120	80	80	160	160	160	160	160	120	160	-	-	160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1720	LF	1¼ INCH		
		1½ INCH	LF	80	-	40	40	200	-	-	240	240	-	80	80	160	200	-	40	40	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1480	LF	1½ INCH		
		2 INCH	LF	-	50	-	-	-	40	40	40	-	-	-	-	-	-	225	320	-	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	795	LF	2 INCH		
	PR 315	2½ INCH	LF	460	75	250	400	120	90	210	220	450	260	240	160	120	15	-	-	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3100	LF	2½ INCH	PR 315	PLASTIC PIPE SUPPLY LINE
GSP																																															GSP
DIP																																															DIP
SPRINKLER TYPE		(1) [1]	EA	16	14	20	13	18	20	20	20	19	13	15	15	17	18	12	12	14	11																						287	EA	(1) [1]		SPRINKLER TYPE

DESCRIPTION			UNIT	VALVE OR ASSEMBLY NUMBER FOR - 28 STATION '(U)'																																							SUBTOTALS	UNIT	DESCRIPTION		
				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																
PLASTIC PIPE SUPPLY LINE	SCH 40	1 INCH	LF	240	460	240	240	490	480	480	480	480	380	600	480	240	480	480	480	480	580	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7790	LF	1 INCH	SCH 40	PLASTIC PIPE SUPPLY LINE
		1¼ INCH	LF	120	180	240	240	160	240	280	240	280	320	180	40	240	240	200	200	240	120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3760	LF	1¼ INCH		
		1½ INCH	LF	120	-	80	120	70	-	-	-	-	100	40	-	80	-	40	-	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	670	LF	1½ INCH		
		2 INCH	LF	40	-	-	80	80	-	40	40	40	-	-	40	-	40	-	40	40	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	520	LF	2 INCH		
	PR 315	2½ INCH	LF	160	-	50	50	-	370	-	250	-	-	340	240	110	110	170	240	300	370											-	-	-	-	-	-	-	-	-	-	-	2760	LF	2½ INCH	PR 315	
		3 INCH	LF	-	60	-	-	70	-	340	-	310	50	-	-	-	-	-	-	-	-	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	-	-	-	-	-	-	-	-	-	-	-	830	LF	3 INCH		
DIP GSP																																															DIP GSP
DIP																																															DIP
SPRINKLER TYPE		(1) [1]	EA	17	21	15	18	21	20	21	20	21	21	20	20	15	20	19	18	20	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	347	EA	(1) [1]		SPRINKLER TYPE
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IRRIGATION QUANTITIES

IQ-12

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® ENVIRONMENTAL

SENIOR ENVIRONMENTAL PLANNER: KIM SMITH
CALCULATED-DESIGNED BY: HENRY BARNES
CHECKED BY: MIKE CONNELLY
REVISED BY
DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 21-MAR-2014
TIME PLOTTED => 11:13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	907	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Stephen P. Warren
Signature
10-31-14
Renewal Date
10-29-13
Date
STATE OF CALIFORNIA

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

SUBTOTALS PER VALVE ON LATERAL SUPPLY SIDE OF CONTROL VALVE

DESCRIPTION		UNIT	VALVE OR ASSEMBLY NUMBER FOR - 28 STATION '(V)'																																						SUBTOTALS	UNIT	DESCRIPTION	
			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	-	-	-	-	-	-	-	-	-	-	-	-				
PLASTIC PIPE SUPPLY LINE	SCH 40	1 INCH	LF	240	460	620	460	480	480	480	480	480	480	240	480	480	520	460	580	480	480	540	520	480	480	480	480	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11840	LF	1 INCH	SCH 40 PLASTIC PIPE SUPPLY LINE
		1¼ INCH	LF	240	220	120	240	280	240	360	240	240	240	160	160	240	240	160	160	140	240	160	140	10	240	240	240	240	-	-	-	-	-	-	-	-	-	-	-	-	-	5190	LF	1¼ INCH	
		1½ INCH	LF	160	40	-	60	-	-	-	-	-	-	-	-	-	-	60	-	-	-	40	40	-	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420	LF	1½ INCH	
		2 INCH	LF	40	-	40	40	40	40	40	40	40	40	40	40	40	40	80	40	40	40	-	-	40	40	40	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	920	LF	2 INCH	
	PR 315	2½ INCH	LF	40	40	-	230	-	340	-	480	550	750	120	50	260	320	580	660	40	400	200	80	180	270	330	400	480				-	-	-	-	-	-	-	-	-	-	-	6800	LF	2½ INCH	PR 315 PLASTIC PIPE SUPPLY LINE
		3 INCH	LF	-	-	90	-	270	-	400	-	-	-	-	-	-	-	-	490	-	-	550	-	-	-	-	-	OPEN	OPEN	OPEN	-	-	-	-	-	-	-	-	-	-	-	1800	LF	3 INCH	
DIP GSP																																														DIP GSP
DIP																																														DIP
SPRINKLER TYPE		① [1]	EA	18	18	21	20	21	20	23	20	20	20	18	18	20	20	20	20	21	20	20	21	19	20	20	20	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	498	EA	① [1]	SPRINKLER TYPE
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
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DESCRIPTION		UNIT	VALVE OR ASSEMBLY NUMBER FOR - 28 STATION '(W)'																																						SUBTOTALS	UNIT	DESCRIPTION	
			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	-	-	-	-	-	-	-	-	-	-	-	-				
PLASTIC PIPE SUPPLY LINE	SCH 40	1 INCH	LF	240	680	480	240	480	480	480	250	500	640	240	440	500	340	560	440	320	240	520	600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8670	LF	1 INCH	SCH 40 PLASTIC PIPE SUPPLY LINE
		1¼ INCH	LF	240	60	200	240	320	260	240	270	250	60	240	210	240	160	240	140	160	240	200	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4050	LF	1¼ INCH	
		1½ INCH	LF	160	60	-	160	-	20	-	160	-	40	160	40	-	40	-	-	160	40	-	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1080	LF	1½ INCH	
		2 INCH	LF	120	60	40	120	40	40	40	120	40	-	120	40	40	20	40	-	80	-	40	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1040	LF	2 INCH	
	PR 315	2½ INCH	LF	40	40	200	420	-	-	-	70	100	180	440	-	160	40	-	270	140	60	100	240									-	-	-	-	-	-	-	-	-	-	-	2500	LF	2½ INCH	PR 315 PLASTIC PIPE SUPPLY LINE
		3 INCH	LF	-	60	-	-	90	130	200	-	-	-	-	280	-	-	140	-	-	-	-	-	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	-	-	-	-	-	-	-	-	-	-	-	900	LF	3 INCH	
DIP GSP																																														DIP GSP
DIP																																														DIP
SPRINKLER TYPE		① [1]	EA	20	22	19	20	22	21	21	20	20	20	20	21	20	14	22	17	19	14	20	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	392	EA	① [1]	SPRINKLER TYPE
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
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IRRIGATION QUANTITIES

IQ-13

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ
CALCULATED-DESIGNED BY: STEPHEN P. WARREN
CHECKED BY: JOEL HORTIZUELA
REVISED BY / DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 21-MAR-2014
TIME PLOTTED => 11:13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	908	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Stephen P. Warren
Signature
10-31-14
Renewal Date
10-29-13
Date
STATE OF CALIFORNIA

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

SUBTOTALS PER VALVE ON LATERAL SUPPLY SIDE OF CONTROL VALVE

VALVE OR ASSEMBLY NUMBER FOR - 28 STATION '(X)'

DESCRIPTION		UNIT	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	-	-	-	-	-	-	-	-	-	-	-	-	SUBTOTALS	UNIT	DESCRIPTION	
PLASTIC PIPE SUPPLY LINE SCH 40	1 INCH	LF	680	520	240	240	540	320	480	480	280	360	240	560	240	560	480	240	340	240	360	480	640	240	560	240	240	240	240	-	-	-	-	-	-	-	-	-	-	-	-	-	10280	LF	1 INCH	SCH 40 PLASTIC PIPE SUPPLY LINE
	1¼ INCH	LF	80	160	240	240	180	220	240	160	40	160	80	90	80	-	200	240	180	240	240	240	90	240	200	240	240	240	240	-	-	-	-	-	-	-	-	-	-	-	-	-	4800	LF	1¼ INCH	
	1½ INCH	LF	60	-	160	120	40	40	-	-	-	160	40	-	-	40	-	160	100	160	80	-	-	160	-	160	120	160	120	-	-	-	-	-	-	-	-	-	-	-	-	-	1880	LF	1½ INCH	
	2 INCH	LF	50	90	200	-	120	220	40	130	120	250	120	90	30	40	140	120	200	40	30	40	40	40	80	160	-	120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2510	LF	2 INCH	
PLASTIC PIPE SUPPLY LINE PR 315	2½ INCH	LF	-	250	-	160	100	100	160	90	-	-	300	40	-	330	250	190	240	550	170	70	40	280	50	-	520	30	300		-	-	-	-	-	-	-	-	-	-	-	-	4220	LF	2½ INCH	PR 315 PLASTIC PIPE SUPPLY LINE
	3 INCH	LF	150	-	70	-	-	480	-	-	-	160	-	70	-	-	-	-	-	-	-	-	130	-	140	70	-	-	-	OPEN	-	-	-	-	-	-	-	-	-	-	-	-	1270	LF	3 INCH	
DIP GSP																																														DIP GSP
DIP																																														DIP
SPRINKLER TYPE	① [1]	EA	21	18	22	15	20	22	20	18	10	22	14	21	10	17	19	20	20	18	17	20	21	18	21	22	16	20	16	-	-	-	-	-	-	-	-	-	-	-	-	-	498	EA	① [1]	SPRINKLER TYPE
			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
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VALVE OR ASSEMBLY NUMBER FOR - 28 STATION '(Y)'

DESCRIPTION		UNIT	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	-	-	-	-	-	-	-	-	-	-	-	-	SUBTOTALS	UNIT	DESCRIPTION	
PLASTIC PIPE SUPPLY LINE SCH 40	1 INCH	LF	600	520	480	480	480	580	480	480	460	480	600	480	480	660	480	460	480	680	640	240	480	480	480	480	480	560	480	-	-	-	-	-	-	-	-	-	-	-	-	-	13680	LF	1 INCH	SCH 40 PLASTIC PIPE SUPPLY LINE
	1¼ INCH	LF	120	200	220	240	240	100	240	240	260	240	100	240	240	60	240	60	240	-	80	240	240	240	240	240	240	140	240	-	-	-	-	-	-	-	-	-	-	-	-	-	5180	LF	1¼ INCH	
	1½ INCH	LF	40	-	60	-	-	40	160	-	-	-	-	-	-	-	-	-	-	40	40	160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	540	LF	1½ INCH	
	2 INCH	LF	40	40	-	40	40	-	120	40	40	40	80	40	40	40	40	40	40	40	-	120	40	40	40	40	40	40	40	-	-	-	-	-	-	-	-	-	-	-	-	-	1160	LF	2 INCH	
PLASTIC PIPE SUPPLY LINE PR 315	2½ INCH	LF	220	100	400	530	440	40	90	180	410	260	190	330	250	500	170	250	320	470	170	190	260	330	410	480	550	-	190		-	-	-	-	-	-	-	-	-	-	-	-	7730	LF	2½ INCH	PR 315 PLASTIC PIPE SUPPLY LINE
	3 INCH	LF	-	-	-	-	-	180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80	-	OPEN	-	-	-	-	-	-	-	-	-	-	-	-	260	LF	3 INCH	
DIP GSP																																														DIP GSP
DIP																																														DIP
SPRINKLER TYPE	① [1]	EA	21	20	20	20	21	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	21	20	-	-	-	-	-	-	-	-	-	-	-	-	-	543	EA	① [1]	SPRINKLER TYPE
			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
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IRRIGATION QUANTITIES

IQ-14

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ
CALCULATED-DESIGNED BY: STEPHEN P. WARREN
CHECKED BY: JOEL HORTIZUELA
REVISED BY / DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 21-MAR-2014
TIME PLOTTED => 11:13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	909	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Signature
10-31-14
Renewal Date
10-29-13
Date
STATE OF CALIFORNIA

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

SUBTOTALS PER VALVE ON LATERAL SUPPLY SIDE OF CONTROL VALVE

DESCRIPTION			UNIT	VALVE OR ASSEMBLY NUMBER FOR - 28 STATION '(Z)'																																					SUBTOTALS	UNIT	DESCRIPTION		
				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	-	-	-	-	-	-	-	-	-	-	-	-				
PLASTIC PIPE SUPPLY LINE	SCH 40	1 INCH	LF	660	480	420	600	480	480	480	480	240	680	480	480	480	580	480	480	480	480	440	400	460	260	480	480	480	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12240	LF	1 INCH	SCH 40	PLASTIC PIPE SUPPLY LINE
		1¼ INCH	LF	60	240	-	120	240	240	140	140	240	40	220	240	240	180	240	240	240	240	280	200	200	200	240	240	240	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5120	LF	1¼ INCH		
		1½ INCH	LF	-	-	40	-	-	-	80	80	160	-	40	-	-	-	-	-	-	-	40	80	40	170	-	-	-	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	730	LF	1½ INCH		
		2 INCH	LF	40	40	-	40	40	40	60	40	80	40	40	40	40	40	40	40	40	40	60	40	20	-	40	40	40	120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1100	LF	2 INCH		
	PR 315	2½ INCH	LF	40	430	290	660	380	590	530	40	50	40	250	270	370	540	370	430	360	260	-	200	140	-	400	400	320	50			-	-	-	-	-	-	-	-	-	-	-	-	7410	LF	2½ INCH	PR 315	
		3 INCH	LF	150	-	-	-	-	-	-	100	-	200	-	-	-	-	-	-	-	-	110	-	-	-	-	-	-	-	OPEN	OPEN	-	-	-	-	-	-	-	-	-	-	-	-	560	LF	3 INCH		
DIP GSP																																															DIP GSP	
DIP																																																DIP	
SPRINKLER TYPE		(1) [1]	EA	21	20	20	20	20	20	20	21	20	21	20	20	20	20	20	20	20	20	21	19	19	8	20	20	20	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	506	EA	(1) [1]		SPRINKLER TYPE
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DESCRIPTION			UNIT	VALVE OR ASSEMBLY NUMBER FOR - 28 STATION '(AA)'																																					SUBTOTALS	UNIT	DESCRIPTION		
				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	-	-	-	-	-	-	-	-	-	-	-	-				
PLASTIC PIPE SUPPLY LINE	SCH 40	1 INCH	LF	520	480	420	620	480	520	520	600	580	240	680	500	680	460	480	480	500	480	480	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9720	LF	1 INCH	SCH 40	PLASTIC PIPE SUPPLY LINE
		1¼ INCH	LF	160	240	220	60	240	240	120	40	20	240	80	200	-	80	240	240	180	80	240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2920	LF	1¼ INCH		
		1½ INCH	LF	-	160	80	40	-	-	80	-	40	160	-	40	40	40	-	-	40	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	760	LF	1½ INCH		
		2 INCH	LF	100	200	20	-	40	40	40	40	40	160	40	-	40	-	40	40	40	-	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	920	LF	2 INCH		
	PR 315	2½ INCH	LF	180	-	150	230	310	260	140	350	320	-	140	430	470	100	460	410	400	120	580										-	-	-	-	-	-	-	-	-	-	-	-	5050	LF	2½ INCH	PR 315	
		3 INCH	LF	-	60	-	-	-	-	-	-	-	50	-	-	-	-	-	-	-	-	-	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	-	-	-	-	-	-	-	-	-	-	-	-	110	LF	3 INCH		
DIP GSP																																															DIP GSP	
DIP																																															DIP	
SPRINKLER TYPE		(1) [1]	EA	20	22	20	20	20	21	20	18	18	21	20	20	20	15	20	20	20	16	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	371	EA	(1) [1]		SPRINKLER TYPE
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IRRIGATION QUANTITIES

IQ-15

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ
CALCULATED-DESIGNED BY: STEPHEN P. WARREN
CHECKED BY: JOEL HORTIZUELA
REVISED BY / DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 21-MAR-2014
TIME PLOTTED => 11:14

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	910	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Signature
10-31-14
Renewal Date
10-29-13
Date
STATE OF CALIFORNIA

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

SUBTOTALS PER PLAN SHEET
ON MAIN SUPPLY SIDE OF CONTROL VALVE

DESCRIPTION			UNIT	IP-1	IP-2	IP-3	IP-4	IP-5	IP-6	IP-7	IP-8	IP-9	IP-10	IP-11	IP-12	IP-13	IP-14	IP-15	IP-16	IP-17	SUBTOTALS
11/2" BPAE			EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2" BPAE			EA	-	-	1	-	-	-	-	2	-	-	-	-	3	-	-	-	-	6
2" CARV			EA	-	-	-	-	2	-	-	2	-	1	-	-	2	-	-	-	1	8
2" (RWCA)			EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	CEC	SINGLE	EA	-	-	-	-	-	-	-	2	-	-	-	-	2	-	-	-	-	4
		DOUBLE	EA	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1
			EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IRRIGATION CONTROLLER	IC	24 STATION	EA	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1
		36 STATION	EA	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1
		40 STATION	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		48 STATION	EA	-	-	-	-	-	-	-	1	-	-	-	-	3	-	-	-	-	4
	IC-SOLAR			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		24 STATION	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		28 STATION	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	EXPANSION MODULE			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		12 STATION	EA	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
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VALVES AND ASSEMBLIES	RCVM	1½ INCH	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		2 INCH	EA	-	-	2	-	-	-	-	2	-	-	-	-	3	-	-	-	-	7
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	RCV	RVBC	EA	8	15	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29
		1 INCH	EA	1	-	3	2	1	2	-	2	1	2	-	3	4	-	1	-	-	22
		1½ INCH	EA	1	-	8	12	14	17	19	15	15	15	12	14	18	7	17	13	14	211
		2 INCH	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	GV	1½ INCH	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		2 INCH	EA	-	-	2	5	6	8	6	7	5	6	6	7	5	4	7	5	6	85
		2½ INCH	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		3 INCH	EA	-	-	2	-	1	2	1	7	-	1	-	-	9	1	2	-	1	27
	PRV	1½ INCH	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		2 INCH	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	FS	3 INCH	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Irr SLEEVE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		4 INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		6 INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PLASTIC PIPE SUPPLY LINE	SCH 40			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		1 INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		1¼ INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		1½ INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		2 INCH	LF	5	-	10	-	25	10	20	10	15	10	20	25	20	15	25	10	10	230
	PR 315	2½ INCH	LF	-	-	10	30	5	30	15	20	15	20	10	10	15	5	10	15	20	230
		3 INCH	LF	-	131	24	136	8	376	54	166	-	-	-	10	380	1369	64	-	166	2,884
		4 INCH	LF	-	-	1867	2455	1640	2185	2000	2255	2230	2077	2045	2230	2205	-	2370	2185	2170	29,914
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(N) NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY

IRRIGATION QUANTITIES
IQ-16

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ
CALCULATED-DESIGNED BY: STEPHEN P. WARREN
CHECKED BY: JOEL HORTIZUELA
REVISED BY
DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 21-MAR-2014
TIME PLOTTED => 11:14

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	911	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Signature
10-31-14
Renewal Date
10-29-13
Date
STATE OF CALIFORNIA

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

SUBTOTALS PER PLAN SHEET
ON MAIN SUPPLY SIDE OF CONTROL VALVE

DESCRIPTION			UNIT	SHEET NUMBER IP-18	IP-19	IP-20	IP-21	IP-22	IP-23	IP-24	IP-25	IP-26	IP-27	IP-28	IP-29	IP-30	IP-31	IP-32			SUBTOTALS
1½" BPAE			EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2" BPAE			EA	2	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	4
2" CARV			EA	1	-	-	-	2	-	-	2	-	1	-	-	-	-	-	-	-	6
2" (RWCA)			EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IRRIGATION CONTROLLER	CEC	SINGLE	EA	2	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	4
		DOUBLE	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	IC			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		24 STATION	EA	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1
		36 STATION	EA	1	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	3
		40 STATION	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		48 STATION	EA	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	2
	IC-SOLAR			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		24 STATION	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		28 STATION	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	EXPANSION MODULE			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		12 STATION	EA	-	-	-	-	-	-	-	-	-	1	-	2	-	-	-	-	-	3
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VALVES AND ASSEMBLIES	RCVM	1½" INCH	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		2 INCH	EA	2	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	4
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	RCV	RVBC	EA	-	-	-	-	-	-	-	1	4	-	-	3	8	-	-	-	-	16
		1 INCH	EA	2	3	3	-	2	1	2	-	-	-	-	1	-	-	1	-	-	15
		1½ INCH	EA	19	20	14	9	12	17	16	16	-	41	16	26	16	-	-	-	-	222
		2 INCH	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	GV	1½ INCH	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		2 INCH	EA	7	6	6	4	4	6	7	6	-	5	3	6	4	-	1	-	-	65
		2½ INCH	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		3 INCH	EA	3	1	2	-	2	-	2	1	-	2	-	2	-	-	-	-	-	15
		4 INCH	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		6 INCH	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QCV	1 INCH	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		4 INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BV			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		2½ INCH	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PLASTIC PIPE SUPPLY LINE	SCH 40			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		1 INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		1¼ INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		1½ INCH	LF	-	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-	10
		2 INCH	LF	15	15	25	10	15	20	30	15	-	-	-	10	5	-	5	-	-	165
	PR 315	2½ INCH	LF	25	25	5	10	10	15	-	15	-	60	30	25	15	-	-	-	-	235
		3 INCH	LF	44	34	-	-	425	94	78	-	-	-	-	-	-	-	-	-	-	675
		4 INCH	LF	2620	2430	2272	1620	521	2205	1705	1400	-	2090	600	1740	1165	445	100	-	-	20,913
		6 INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SCC (N)		1½ INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

IRRIGATION QUANTITIES
IQ-17

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ
CALCULATED-DESIGNED BY: STEPHEN P. WARREN
CHECKED BY: JOEL HORTIZUELA
REVISED BY
DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 21-MAR-2014
TIME PLOTTED => 11:14

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	912	1273

LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — STEPHEN P. WARREN No. 3442 — Signature — 10-31-14 Renewal Date — 10-29-13 Date — STATE OF CALIFORNIA

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

SUBTOTALS PER PLAN SHEET ON MAIN SUPPLY SIDE OF CONTROL VALVE

DESCRIPTION			UNIT	IP-33	IP-34	IP-35	IP-36	IP-37	IP-38	IP-39	IP-40	IP-41	IP-42	IP-43	IP-44	IP-45	IP-46	IP-47	IP-48	SUBTOTALS
1½" BPAE			EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
2" BPAE			EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2" CARV			EA	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2
2" Temp WM ASSEMBLY			EA	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
IRRIGATION CONTROLLER	CEC	SINGLE	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
		DOUBLE	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		SOLAR	EA	-	1	-	-	2	-	2	-	1	-	1	-	1	-	-	-	8
	IC	24 STATION	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
		36 STATION	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		40 STATION	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		48 STATION	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	IC-SOLAR			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		24 STATION	EA	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
		28 STATION	EA	-	-	-	-	2	-	2	-	1	-	1	-	1	-	-	-	7
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	EXPANSION MODULE			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		12 STATION	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VALVES AND ASSEMBLIES	RCVM	1½INCH	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
		2 INCH	EA	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
		3 INCH	EA	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	RCV	RVBC	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		1 INCH	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	3
		1½ INCH	EA	9	9	-	7	37	17	16	11	13	5	20	23	13	2	9	4	195
		2 INCH	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	GV	1½ INCH	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	4	12
		2 INCH	EA	-	1	-	-	-	-	-	-	-	-	-	-	-	-	4	1	6
		2½ INCH	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		3 INCH	EA	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
		4 INCH	EA	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1
		6 INCH	EA	-	-	1	-	2	4	2	1	-	-	-	-	-	-	-	-	10
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QCV	1 INCH	EA	-	1	-	1	8	4	2	2	3	1	3	3	2	1	6	2	39
		2 INCH	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PRV			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		3 INCH	EA	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	BV			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		2½ INCH	EA	-	-	-	1	8	4	2	2	3	1	3	3	2	1	-	-	30
PLASTIC PIPE SUPPLY LINE	SCH 40			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		1 INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		1¼ INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		1½ INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	15	45
		2 INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1116	840	1956
	PR 315	2½ INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		3 INCH	LF	735	1025	-	20	950	390	-	200	320	40	350	470	100	70	-	-	4670
		4 INCH	LF	-	-	-	-	70	-	60	430	640	-	-	210	560	-	-	-	1970
		6 INCH	LF	-	-	160	1120	1200	2310	1900	870	-	-	-	250	-	-	-	-	7810
WSP		4 INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		8 INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GSP		1 INCH	LF	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30
		3 INCH	LF	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30
SCC (N)		1½ INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

TOTAL QUANTITIES

TOTALS	UNIT	DESCRIPTION		
1	EA	1½" BPAE		
10	EA	2" BPAE		
16	EA	2" CARV		
1	EA	2" Temp WM ASSEMBLY		
9	EA	SINGLE	CEC	IRRIGATION CONTROLLER
1	EA	DOUBLE	CEC	IRRIGATION CONTROLLER
8	EA	SOLAR	CEC	IRRIGATION CONTROLLER
3	EA	24 STATION	IC	IRRIGATION CONTROLLER
4	EA	36 STATION	IC	IRRIGATION CONTROLLER
-	EA	40 STATION	IC	IRRIGATION CONTROLLER
6	EA	48 STATION	IC	IRRIGATION CONTROLLER
-			IC-SOLAR	IRRIGATION CONTROLLER
1	EA	24 STATION	IC-SOLAR	IRRIGATION CONTROLLER
7	EA	28 STATION	IC-SOLAR	IRRIGATION CONTROLLER
-			IC-SOLAR	IRRIGATION CONTROLLER
-			IC-SOLAR	IRRIGATION CONTROLLER
-			EXPANSION MODULE	IRRIGATION CONTROLLER
5	EA	12 STATION	EXPANSION MODULE	IRRIGATION CONTROLLER
-			EXPANSION MODULE	IRRIGATION CONTROLLER
-			EXPANSION MODULE	IRRIGATION CONTROLLER
-			EXPANSION MODULE	IRRIGATION CONTROLLER
1	EA	1½INCH	RCVM	VALVES AND ASSEMBLIES
12	EA	2 INCH	RCVM	VALVES AND ASSEMBLIES
1	EA	3 INCH	RCVM	VALVES AND ASSEMBLIES
45	EA	RVBC	RCV	VALVES AND ASSEMBLIES
40	EA	1 INCH	RCV	VALVES AND ASSEMBLIES
628	EA	1½ INCH	RCV	VALVES AND ASSEMBLIES
-	EA	2 INCH	RCV	VALVES AND ASSEMBLIES
12	EA	1½ INCH	GV	VALVES AND ASSEMBLIES
156	EA	2 INCH	GV	VALVES AND ASSEMBLIES
-	EA	2½ INCH	GV	VALVES AND ASSEMBLIES
43	EA	3 INCH	GV	VALVES AND ASSEMBLIES
1	EA	4 INCH	GV	VALVES AND ASSEMBLIES
10	EA	6 INCH	GV	VALVES AND ASSEMBLIES
-			GV	VALVES AND ASSEMBLIES
39	EA	1 INCH	QCV	VALVES AND ASSEMBLIES
-	EA	2 INCH	QCV	VALVES AND ASSEMBLIES
-			PRV	VALVES AND ASSEMBLIES
1	EA	3 INCH	PRV	VALVES AND ASSEMBLIES
-			BV	VALVES AND ASSEMBLIES
30	EA	2½ INCH	BV	VALVES AND ASSEMBLIES
-			SCH 40	PLASTIC PIPE SUPPLY LINE
196,746	LF	1 INCH	SCH 40	PLASTIC PIPE SUPPLY LINE
87,695	LF	1¼ INCH	SCH 40	PLASTIC PIPE SUPPLY LINE
29,040	LF	1½ INCH	SCH 40	PLASTIC PIPE SUPPLY LINE
35,453	LF	2 INCH	SCH 40	PLASTIC PIPE SUPPLY LINE
53,615	LF	2½ INCH	PR 315	PLASTIC PIPE SUPPLY LINE
13,959	LF	3 INCH	PR 315	PLASTIC PIPE SUPPLY LINE
52,797	LF	4 INCH	PR 315	PLASTIC PIPE SUPPLY LINE
7810	LF	6 INCH	PR 315	PLASTIC PIPE SUPPLY LINE
-	LF	4 INCH	WSP	
-	LF	8 INCH	WSP	
30	LF	1 INCH	GSP	
30	LF	3 INCH	GSP	
-	LF	1½ INCH	SCC (N)	
			SCC (N)	

TOTAL QUANTITIES SPRINKLER ASSEMBLIES

SPRINKLER SYMBOL	SPRINKLER ASSEMBLY (EA) RISER (GEAR DRIVEN)	RISER	POP-UP (GEAR DRIVEN)	POP-UP	TREE WELL
① 1	3,476	-	-	-	-
⑤ 5	860	-	-	-	-
⑥	-	-	150	-	-
⑦ 7	1,048	-	-	-	-
⑧	-	-	85	-	-
⑪ 11	4,043	-	-	-	-
⑫	-	-	529	-	-
○ ⊖ □	-	-	-	178	-
●	-	-	-	-	1,216
TOTALS	9,427	-	764	178	1,216

IRRIGATION QUANTITIES
IQ-18

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ
CALCULATED-DESIGNED BY: EA
CHECKED BY: EA
REVISED BY: STEPHEN P. WARREN
DATE REVISED: JOEL HORTIZUELA

LAST REVISION 12-31-13
DATE PLOTTED => 24-MAR-2014
TIME PLOTTED => 10:30

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	913	1273

LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — HENRY D. BARNES — No. 3663 — Expiration Date 12/31/15 — Renewal Date 10/30/13 — Date — STATE OF CALIFORNIA

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

ABBREVIATIONS

BTH — BROWN TRUNK HEIGHT
CF — CUBIC FOOT
CY — CUBIC YARD
EA — EACH
Ft — FOOT/FEET
Lb — POUND
oz — OUNCE
SQFT — SQUARE FOOT
SQYD — SQUARE YARD

NOTES:

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

PLANT LIST AND PLANTING SPECIFICATIONS

PLANT GROUP	PLANT No.	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY EACH	HOLE SIZE (INCH) Dia	HOLE SIZE (INCH) DEPTH	BASIN TYPE	IRON SULFATE ①	SOIL AMEND ①	COMMERCIAL FERTILIZER ① PLANTING	COMMERCIAL FERTILIZER ① PLT ESTB	BASIN MULCH (CY) ①	STAKING	PLANTING LIMITS MINIMUM DISTANCE (Ft) FROM TRVD WAY	PVMT	FENCE	WALL	PAVED DITCH	EARTH DITCH	ON CENTER (Ft)	REMARKS
A	1		ANEMOPSIS CALIFORNICA	YERBA MANSA	1 GAL	12014	12	18	1	-	-	1 Pkt	-	-	-	-	-	-	-	-	-	-	PERENNIAL ⑥⑧⑪
	2		ARISTIDA PURPUREA	PURPLE THREE AWN	1 GAL	1458	12	18	1	-	-	1 Pkt	-	0.04	-	-	-	-	-	-	-	3	PERENNIAL ⑫
	3		ARTEMISIA CALIFORNICA	CALIFORNIA SAGEBRUSH	1 GAL	4026	12	18	1	-	-	1 Pkt	-	0.04	-	-	-	-	-	-	-	8	SHRUB ⑥
	4		ARTEMISIA CALIFORNICA	CALIFORNIA SAGEBRUSH	1 GAL	3474	12	18	1	-	-	1 Pkt	-	0.04	-	-	-	-	-	-	-	8	SHRUB ⑥
	5		ARTEMISIA CALIFORNICA	CALIFORNIA SAGEBRUSH	1 GAL	7871	12	18	1	-	-	1 Pkt	-	0.04	-	-	-	-	-	-	-	8	SHRUB ⑥
	6		ARTEMISIA CALIFORNICA	CALIFORNIA SAGEBRUSH	1 GAL	2071	12	18	1	-	-	1 Pkt	-	0.04	-	-	-	-	-	-	-	8	SHRUB ⑥
	7		ARTEMISIA PALMERI	SAN DIEGO SAGEWORT	1 GAL	13820	12	18	1	-	-	1 Pkt	-	-	-	-	-	-	-	-	-	-	PERENNIAL ⑥⑧
	8		ARTEMISIA PALMERI	SAN DIEGO SAGEWORT	1 GAL	5291	12	18	1	-	-	1 Pkt	-	-	-	-	-	-	-	-	-	-	PERENNIAL ⑥⑧
	9		BACCHARIS SALICIFOLIA	MULE FAT	1 GAL	12518	12	18	1	-	-	1 Pkt	-	-	-	-	-	-	-	-	-	8	SHRUB ⑥
	10		BACCHARIS SALICIFOLIA	MULE FAT	1 GAL	3018	12	18	1	-	-	1 Pkt	-	-	-	-	-	-	-	-	-	8	SHRUB ⑥
	11		BACCHARIS SALICIFOLIA	MULE FAT	1 GAL	346	12	18	1	-	-	1 Pkt	-	-	-	-	-	-	-	-	-	8	SHRUB ⑥
	12		BACCHARIS SALICIFOLIA	MULE FAT	1 GAL	85	12	18	1	-	-	1 Pkt	-	-	-	-	-	-	-	-	-	8	SHRUB ⑥
	13		BACCHARIS SALICIFOLIA	MULE FAT	1 GAL	2731	12	18	1	-	-	1 Pkt	-	-	-	-	-	-	-	-	-	8	SHRUB ⑥
	14		BACCHARIS PILULARIS	COYOTE BUSH	1 GAL	1735	12	18	1	-	-	1 Pkt	-	0.04	-	-	-	-	-	-	-	8	SHRUB ⑥
	15		BACCHARIS PILULARIS	COYOTE BUSH	1 GAL	1035	12	18	1	-	-	1 Pkt	-	0.04	-	-	-	-	-	-	-	8	SHRUB ⑥
	16		DENDROMECON RIGIDA	BUSH POPPY	1 GAL	414	12	18	1	-	-	1 Pkt	-	0.04	-	-	-	-	-	-	-	8	SHRUB ⑥
	17		ENCELIA CALIFORNICA	BUSH SUNFLOWER	1 GAL	6566	12	18	1	-	-	1 Pkt	-	0.04	-	-	-	-	-	-	-	8	SHRUB ⑥
	18		ENCELIA CALIFORNICA	BUSH SUNFLOWER	1 GAL	1389	12	18	1	-	-	1 Pkt	-	0.04	-	-	-	-	-	-	-	8	SHRUB ⑥
	19		ENCELIA CALIFORNICA	BUSH SUNFLOWER	1 GAL	829	12	18	1	-	-	1 Pkt	-	0.04	-	-	-	-	-	-	-	8	SHRUB ⑥
	20		ERIOGONUM FASCICULATUM	CALIFORNIA BUCKWHEAT	1 GAL	5345	12	18	1	-	-	1 Pkt	-	0.04	-	-	-	-	-	-	-	8	SHRUB ⑥
	21		ERIOGONUM FASCICULATUM	CALIFORNIA BUCKWHEAT	1 GAL	1055	12	18	1	-	-	1 Pkt	-	0.04	-	-	-	-	-	-	-	8	SHRUB ⑥
	22		ERIOGONUM FASCICULATUM	CALIFORNIA BUCKWHEAT	1 GAL	829	12	18	1	-	-	1 Pkt	-	0.04	-	-	-	-	-	-	-	8	SHRUB ⑥
	23		FREMONTODENDRON CALIFORNICUM	CALIFORNIA FLANNEL BUSH	1 GAL	459	12	18	1	-	-	1 Pkt	-	0.04	-	-	-	-	-	-	-	8	SHRUB ⑥
	24		HETEROMELES ARBUTIFOLIA	TOYON	1 GAL	1608	12	18	1	-	-	1 Pkt	-	0.04	-	-	-	-	-	-	-	8	SHRUB ⑥
	25		HETEROMELES ARBUTIFOLIA	TOYON	1 GAL	1389	12	18	1	-	-	1 Pkt	-	0.04	-	-	-	-	-	-	-	8	SHRUB ⑥
	26		HETEROMELES ARBUTIFOLIA	TOYON	1 GAL	829	12	18	1	-	-	1 Pkt	-	0.04	-	-	-	-	-	-	-	8	SHRUB ⑥
	27		ISOMERIS ARBOREA	BLADDERPOD	1 GAL	1005	12	18	1	-	-	1 Pkt	-	0.04	-	-	-	-	-	-	-	8	SHRUB ⑥
	28		ISOMERIS ARBOREA	BLADDERPOD	1 GAL	1340	12	18	1	-	-	1 Pkt	-	0.04	-	-	-	-	-	-	-	8	SHRUB ⑥
	29		IVA HAYESIANA	SAN DIEGO MARSH-ELDER	1 GAL	18356	12	18	1	-	-	1 Pkt	-	-	-	-	-	-	-	-	-	-	PERENNIAL ⑥⑧
	30		IVA HAYESIANA	SAN DIEGO MARSH-ELDER	1 GAL	803	12	18	1	-	-	1 Pkt	-	-	-	-	-	-	-	-	-	-	PERENNIAL ⑥

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 - SEE SPECIAL PROVISIONS
⑥ - RANDOMLY MIXED THROUGHOUT ENTIRE DESIGNATED AREA
⑦ - RANDOMLY PLANT IN WETLAND AREA, WITHIN 20 FEET OF UPLAND PLANTING
⑧ - UNDERSTORY PLANTING COMPONENT FOR THE RIPARIAN TREE PLANTING
⑨ - RANDOMLY PLANT IN GROUPS OF 10 THROUGHOUT DESIGNATED AREA
⑩ - NURSERY CONTAINERS SHALL BE ROSE POT LINER SIZE
⑪ - RANDOMLY PLANT IN LOWEST ELEVATIONS WITHIN THE DESIGNATED AREA
⑫ - AS SHOWN ON PLANS
⑬ - SOD COMPRISED OF STIPA PULCHRA, STIPA CERNUA, KOELERIA MACRANTHA & FESTUCA RUBRA
⑭ - QUANTITY IN SQYD
⑮ - DUFF SPREAD THROUGHOUT PLANTED AREA
⑯ - HEIGHT OF PALM SHALL BE FROM THE TOP OF ROOTBALL TO THE BOTTOM OF THE FIRST FROND

PLANT LIST
PL-1

REVISED BY | DATE REVISED
HENRY BARNES | MIKE CONNELLY
CALCULATED-DESIGNED BY | CHECKED BY
SENIOR ENVIRONMENTAL PLANNER | KIM SMITH
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION | Caltrans | ENVIRONMENTAL

LAST REVISION 12-31-13 | DATE PLOTTED => 20-MAR-2014 | TIME PLOTTED => 15:51

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	914	1273

LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT HENRY D. BARNES No. 5065 STATE OF CALIFORNIA
Expiration Date 12/31/15
Renewal Date 10/30/13
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.

PLANT LIST AND PLANTING SPECIFICATIONS

PLANT GROUP	PLANT No.	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY EACH	HOLE SIZE (INCH) Dia	HOLE SIZE (INCH) DEPTH	BASIN TYPE	IRON SULFATE ①	SOIL AMEND ①	COMMERCIAL FERTILIZER ① PLANTING	COMMERCIAL FERTILIZER ① PLT ESTB	BASIN MULCH (CY)	STAKING	PLANTING LIMITS MINIMUM DISTANCE (Ft) FROM TRVD WAY	PVMT	FENCE	WALL	PAVED DITCH	EARTH DITCH	ON CENTER (Ft)	REMARKS
A	31		IVA HAYESIANA	SAN DIEGO MARSH-ELDER	1 GAL	428	12	18	1	-	-	1 Pkt	-	-	-	-	-	-	-	-	-	-	PERENNIAL ⑥
	32		IVA HAYESIANA	SAN DIEGO MARSH-ELDER	1 GAL	4337	12	18	1	-	-	1 Pkt	-	-	-	-	-	-	-	-	-	-	PERENNIAL ⑥
	33		JUNCUS ACUTUS	SOUTHWESTERN SPINY RUSH	1 GAL	11072	12	18	1	-	-	1 Pkt	-	-	-	-	-	-	-	-	-	-	PERENNIAL ⑥ ⑧
	34		JUNCUS ACUTUS	SOUTHWESTERN SPINY RUSH	1 GAL	428	12	18	1	-	-	1 Pkt	-	-	-	-	-	-	-	-	-	-	PERENNIAL ⑥ ⑧
	35		LEYMUS CONDENSATUS	GIANT WILD RYE	1 GAL	1038	12	18	1	-	-	1 Pkt	-	0.04	-	-	-	-	-	-	-	-	PERENNIAL ⑥
	36		LEYMUS CONDENSATUS	GIANT WILD RYE	1 GAL	874	12	18	1	-	-	1 Pkt	-	0.04	-	-	-	-	-	-	-	-	PERENNIAL ⑥
	37		LEYMUS CONDENSATUS	GIANT WILD RYE	1 GAL	519	12	18	1	-	-	1 Pkt	-	0.04	-	-	-	-	-	-	-	-	PERENNIAL ⑥
	38		LEYMUS CONDENSATUS	GIANT WILD RYE	1 GAL	31	12	18	1	-	-	1 Pkt	-	0.04	-	-	-	-	-	-	-	-	PERENNIAL ⑥
	39		LEYMUS CONDENSATUS	GIANT WILD RYE	1 GAL	2122	12	18	1	-	-	1 Pkt	-	0.04	-	-	-	-	-	-	-	-	PERENNIAL ⑥
	40		MUHLENBERGIA RIGENS	DEERGRASS	1 GAL	803	12	18	1	-	-	1 Pkt	-	0.04	-	-	-	-	-	-	-	-	PERENNIAL ⑥
	41		OPUNTIA PROLIFERA	CHOLLA	1 GAL	1044	12	18	1	-	-	1 Pkt	-	0.04	-	-	-	-	-	-	-	8	CACTUS ⑥ ⑨
	42		PLUCHIA SERICEA	ARROWWEED	1 GAL	71	12	18	1	-	-	1 Pkt	-	-	-	-	-	-	-	-	-	8	SHRUB ⑥
	43		POPULUS FREMONTII	WESTERN COTTONWOOD	1 GAL	7489	12	18	1	-	-	1 Pkt	-	-	-	30	-	-	-	-	-	6	TREE ⑥
	44		POPULUS FREMONTII	WESTERN COTTONWOOD	1 GAL	66	12	18	1	-	-	1 Pkt	-	-	-	30	-	-	-	-	-	6	TREE ⑥
	45		POPULUS FREMONTII	WESTERN COTTONWOOD	1 GAL	1413	12	18	1	-	-	1 Pkt	-	-	-	30	-	-	-	-	-	6	TREE ⑥
	46		POPULUS TRICHOCARPA	BLACK COTTONWOOD	1 GAL	3976	12	18	1	-	-	1 Pkt	-	-	-	30	-	-	-	-	-	6	TREE ⑥
	47		QUERCUS AGRIFOLIA	COAST LIVE OAK	1 GAL	1210	12	18	1	-	-	1 Pkt	-	-	-	30	-	-	-	-	-	6	TREE ⑥
	48		RHUS INTEGRIFOLIA	LEMONADEBERRY	1 GAL	3018	12	18	1	-	-	1 Pkt	-	0.04	-	-	-	-	-	-	-	8	SHRUB ⑥
	49		RHUS INTEGRIFOLIA	LEMONADEBERRY	1 GAL	2513	12	18	1	-	-	1 Pkt	-	0.04	-	-	-	-	-	-	-	8	SHRUB ⑥
	50		RHUS INTEGRIFOLIA	LEMONADEBERRY	1 GAL	1554	12	18	1	-	-	1 Pkt	-	0.04	-	-	-	-	-	-	-	8	SHRUB ⑥
	51		ROMNEYA COULTERI	MATILIJA POPPY	1 GAL	414	12	18	1	-	-	1 Pkt	-	0.04	-	-	-	-	-	-	-	8	SHRUB ⑥
	52		ROSA CALIFORNICA	CALIFORNIA ROSE	1 GAL	3178	12	18	1	-	-	1 Pkt	-	-	-	-	-	-	-	-	-	6	SHRUB ⑥
	53		RUBUS URSINUS	CALIFORNIA BLACKBERRY	1 GAL	7382	12	18	1	-	-	1 Pkt	-	-	-	-	-	-	-	-	-	-	PERENNIAL ⑥ ⑧
	54		RUBUS URSINUS	CALIFORNIA BLACKBERRY	1 GAL	2122	12	18	1	-	-	1 Pkt	-	-	-	-	-	-	-	-	-	-	PERENNIAL ⑥ ⑧
	55		SALIX EXIGUA	SANDBAR WILLOW	1 GAL	26112	12	18	1	-	-	1 Pkt	-	-	-	-	-	-	-	-	-	6	TREE ⑥
	56		SALIX EXIGUA	SANDBAR WILLOW	1 GAL	346	12	18	1	-	-	1 Pkt	-	-	-	-	-	-	-	-	-	6	TREE ⑥
	57		SALIX EXIGUA	SANDBAR WILLOW	1 GAL	59	12	18	1	-	-	1 Pkt	-	-	-	-	-	-	-	-	-	6	TREE ⑥
	58		SALIX EXIGUA	SANDBAR WILLOW	1 GAL	2731	12	18	1	-	-	1 Pkt	-	-	-	-	-	-	-	-	-	6	TREE ⑥
	59		SALIX GOODINGII	BLACK WILLOW	1 GAL	13166	12	18	1	-	-	1 Pkt	-	-	-	30	-	-	-	-	-	6	TREE ⑥
	60		SALIX GOODINGII	BLACK WILLOW	1 GAL	2046	12	18	1	-	-	1 Pkt	-	-	-	30	-	-	-	-	-	6	TREE ⑥
	61		SALIX LAEVIGATA	RED WILLOW	1 GAL	13166	12	18	1	-	-	1 Pkt	-	-	-	30	-	-	-	-	-	6	TREE ⑥
	62		SALIX LASIOLEPIS	ARROYO WILLOW	1 GAL	32913	12	18	1	-	-	1 Pkt	-	-	-	30	-	-	-	-	-	6	TREE ⑥

PLANT LIST
PL-2

REVISED BY | DATE REVISED
HENRY BARNES | MIKE CONNELLY
CALCULATED-DESIGNED BY | CHECKED BY
SENIOR ENVIRONMENTAL PLANNER | KIM SMITH
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
ENVIRONMENTAL

LAST REVISION 12-31-13 | DATE PLOTTED => 20-MAR-2014 | TIME PLOTTED => 15:51

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	915	1273

LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT HENRY D. BARNES No. 3025 STATE OF CALIFORNIA
Registration Expires 12/31/15
Renewal Date 10/30/13
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.

PLANT LIST AND PLANTING SPECIFICATIONS

PLANT GROUP	PLANT No.	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY EACH	HOLE SIZE (INCH) Dia	HOLE SIZE (INCH) DEPTH	BASIN TYPE	IRON SULFATE ①	SOIL AMEND ①	COMMERCIAL FERTILIZER ① PLANTING	COMMERCIAL FERTILIZER ① PLT ESTB	BASIN MULCH (CY)	STAKING	PLANTING LIMITS MINIMUM DISTANCE (Ft) FROM TRVD WAY	PVMT	FENCE	WALL	PAVED DITCH	EARTH DITCH	ON CENTER (Ft)	REMARKS
A	63		SALIX LASIOLEPIS	ARROYO WILLOW	1 GAL	173	12	18	1	-	-	1 Pkt	-	-	-	30	-	-	-	-	-	12	TREE
	64		SALVIA APIANA	WHITE SAGE	1 GAL	1210	12	18	1	-	-	1 Pkt	-	0.04	-	-	-	-	-	-	-	8	SHRUB 6
	65		SALVIA APIANA	WHITE SAGE	1 GAL	6564	12	18	1	-	-	1 Pkt	-	0.04	-	-	-	-	-	-	-	8	SHRUB 6
	66		SALVIA APIANA	WHITE SAGE	1 GAL	1389	12	18	1	-	-	1 Pkt	-	0.04	-	-	-	-	-	-	-	8	SHRUB 6
	67		SALVIA APIANA	WHITE SAGE	1 GAL	829	12	18	1	-	-	1 Pkt	-	0.04	-	-	-	-	-	-	-	8	SHRUB 6
	68		SALVIA MELLIFERA	BLACK SAGE	1 GAL	1210	12	18	1	-	-	1 Pkt	-	0.04	-	-	-	-	-	-	-	8	SHRUB 6
	69		SALVIA MELLIFERA	BLACK SAGE	1 GAL	1042	12	18	1	-	-	1 Pkt	-	0.04	-	-	-	-	-	-	-	8	SHRUB 6
	70		SALVIA MELLIFERA	BLACK SAGE	1 GAL	622	12	18	1	-	-	1 Pkt	-	0.04	-	-	-	-	-	-	-	8	SHRUB 6
	71		SAMBUCUS MEXICANA	BLUE ELDERBERRY	1 GAL	6561	12	18	1	-	-	1 Pkt	-	-	-	-	-	-	-	-	-	8	SHRUB 6
	72		SAMBUCUS MEXICANA	BLUE ELDERBERRY	1 GAL	1210	12	18	1	-	-	1 Pkt	-	-	-	-	-	-	-	-	-	8	SHRUB 6
	73		SAMBUCUS MEXICANA	BLUE ELDERBERRY	1 GAL	20	12	18	1	-	-	1 Pkt	-	-	-	-	-	-	-	-	-	8	SHRUB 6
	74		SAMBUCUS MEXICANA	BLUE ELDERBERRY	1 GAL	2643	12	18	1	-	-	1 Pkt	-	-	-	-	-	-	-	-	-	8	SHRUB 6
	75		VITIS GIRDIANA	DESERT WILD GRAPE	1 GAL	9672	12	18	1	-	-	1 Pkt	-	-	-	-	-	-	-	-	-	-	PERENNIAL 6 8
	76		VITIS GIRDIANA	DESERT WILD GRAPE	1 GAL	2087	12	18	1	-	-	1 Pkt	-	-	-	-	-	-	-	-	-	-	PERENNIAL 6 8
B	77		AGAVA 'BLUE FLAME'	BLUE AGAVE	5 GAL	234	3	3	1	-	-	2 Pkt	-	-	-	30	-	-	-	-	-	-	SHRUB 6
	78		ALNUS RHOMBIFOLIA	WHITE ALDER	5 GAL	2634	3	3	1	-	-	2 Pkt	-	-	-	30	-	-	-	-	-	-	TREE 6
	79		PLATANUS RACEMOSA	CALIFORNIA SYCAMORE	5 GAL	5599	2	3	1	-	-	2 Pkt	-	-	-	30	-	-	-	-	-	6	TREE 6
	80		PLATANUS RACEMOSA	CALIFORNIA SYCAMORE	5 GAL	31	2	3	1	-	-	2 Pkt	-	-	-	30	-	-	-	-	-	6	TREE 6
	81		PLATANUS RACEMOSA	CALIFORNIA SYCAMORE	5 GAL	1361	2	3	1	-	-	2 Pkt	-	-	-	30	-	-	-	-	-	6	TREE 6
	82		POPULUS FREMONTII	WESTERN COTTONWOOD	5 GAL	3949	3	3	1	-	-	2 Pkt	-	-	-	30	-	-	-	-	-	6	TREE 6
	83		POPULUS FREMONTII	WESTERN COTTONWOOD	5 GAL	27	3	3	1	-	-	2 Pkt	-	-	-	30	-	-	-	-	-	6	TREE 6
	84		POPULUS FREMONTII	WESTERN COTTONWOOD	5 GAL	684	3	3	1	-	-	2 Pkt	-	-	-	30	-	-	-	-	-	6	TREE 6
	85		POPULUS TRICHOCARPA	BLACK COTTONWOOD	5 GAL	2668	2	3	1	-	-	2 Pkt	-	-	-	30	-	-	-	-	-	6	TREE 6
	86		QUERCUS AGRIFOLIA	CALIFORNIA COAST LIVE OAK	5 GAL	496	3	3	1	-	-	2 Pkt	-	-	-	30	-	-	-	-	-	6	TREE 6 7
	87		QUERCUS BERBERIDIFOLIA	INLAND SCRUB OAK	5 GAL	992	3	3	1	-	-	2 Pkt	-	-	-	30	-	-	-	-	-	6	TREE 6 7
	88		SAMBUCUS MEXICANA	MEXICAN ELDERBERRY	5 GAL	4	3	3	1	-	-	2 Pkt	-	-	-	-	-	-	-	-	-	12	TREE
C	89		WASHINGTONIA FILIFERA	CALIFORNIA FAN PALM	B&B	31	3	3	1	-	-	8 Pkt	-	-	4	30	-	-	-	-	-	12	PALM : H =15' (SKINNED TRUNK) 16
H	90		SALIX SPECIES	ASSORTED WILLOWS	CUTTING	383	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	TREE 6
K	91		QUERCUS ILEX	HOLLY OAK	24" BOX	40	3	3	1	-	-	8 Pkt	-	-	-	-	-	-	-	-	-	12	TREE
M	92		DISTICHLIS SPICATA	SALTGRASS	LINER	59982	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	PERENNIAL 6 8 10
	93		DISTICHLIS SPICATA	SALTGRASS	LINER	14344	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	PERENNIAL 6 8 10
	94		DISTICHLIS SPICATA	SALTGRASS	LINER	3178	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	PERENNIAL 6 8 10
	95		LEYMUS TRITICOIDES	BEARDLESS WILDRYE	LINER	14344	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	PERENNIAL 6 10
	96		MUHLENBERGIA RIGENS	DEERGRASS	LINER	14344	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	PERENNIAL 6 10
	97		STIPA PULCHRA	PURPLE NEEDLEGRASS	LINER	31367	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	PERENNIAL 6 10
	98		STIPA PULCHRA	PURPLE NEEDLEGRASS	LINER	17262	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	PERENNIAL 6 10

REVISED BY | DATE REVISED
HENRY BARNES | MIKE CONNELLY
CALCULATED-DESIGNED BY | CHECKED BY
KIM SMITH | SENIOR ENVIRONMENTAL PLANNER
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® ENVIRONMENTAL

LAST REVISION 12-31-13 | DATE PLOTTED => 20-MAR-2014 | TIME PLOTTED => 15:51

PLANT LIST PL-3

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	916	1273

LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — HENRY D. BARNES — No. 3665 — Registered Expires 12/31/15 — Renewed Expires 10/30/13 — 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.

PLANT LIST AND PLANTING SPECIFICATIONS

PLANT GROUP	PLANT No.	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY EACH	HOLE SIZE (INCH) Dia	HOLE SIZE (INCH) DEPTH	BASIN TYPE	IRON SULFATE ①	SOIL AMEND ①	COMMERCIAL FERTILIZER ① PLANTING	COMMERCIAL FERTILIZER ① PLT ESTB	BASIN MULCH (CY)	STAKING	PLANTING LIMITS MINIMUM DISTANCE (FT) FROM TRVD WAY	PVMT	FENCE	WALL	PAVED DITCH	EARTH DITCH	ON CENTER (FT)	REMARKS
M	99		STIPA PULCHRA	PURPLE NEEDLEGRASS	LINER	25772	③	③	-	-	-	-	-	-	-	-	-	-	-	-	-	-	PERENNIAL ⑥ 10
	100		STIPA PULCHRA	PURPLE NEEDLEGRASS	LINER	24483	③	③	-	-	-	-	-	-	-	-	-	-	-	-	-	-	PERENNIAL ⑥ ⑩
	101		VULPIA MICROSTACHYS	SMALL FESCUE	LINER	21515	③	③	-	-	-	-	-	-	-	-	-	-	-	-	-	-	PERENNIAL ⑥ ⑩
T	102		SOD	SOD	SOD	26685	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SOD ⑬ ⑭
U	103		PINUS SABINIANA	GRAY PINE	15 GAL	48	③	③	1	-	-	3 Pkt	-	0.10	④	30	-	-	-	-	-	⑫	TREE
	104		PLATANUS RACEMOSA	CALIFORNIA SYCAMORE	15 GAL	5	③	③	1	-	-	3 Pkt	-	0.10	④	30	-	-	-	-	-	⑫	TREE
	105		POPULUS FREMONTII	WESTERN COTTONWOOD	15 GAL	329	③	③	1	-	-	3 Pkt	-	0.10	④	30	-	-	-	-	-	⑫	TREE
	106		QUERCUS AGRIFOLIA	CALIFORNIA COAST LIVE OAK	15 GAL	482	③	③	1	-	-	3 Pkt	-	0.10	④	30	-	-	-	-	-	⑫	TREE
	107		QUERCUS ENGELMANNII	MESA OAK	15 GAL	197	③	③	1	-	-	3 Pkt	-	0.10	④	30	-	-	-	-	-	⑫	TREE

LEGEND:

- EROSION CONTROL (TYPE 1) = EC (TYPE 1)
- EROSION CONTROL (TYPE 2) = EC (TYPE 2)
- EROSION CONTROL (TYPE 3) = EC (TYPE 3)
- EROSION CONTROL (TYPE 4) = EC (TYPE 4)
- EROSION CONTROL (TYPE 5) = EC (TYPE 5)
- EROSION CONTROL (TYPE 6) = EC (TYPE 6)
- ROCK MULCH (TYPE 1)
- ROCK MULCH (TYPE 2)
- ROCK MULCH (TYPE 3) (IN PARK AND RIDE LOT)
- DECOMPOSED GRANITE (MISC AREAS) (IN PARK AND RIDE LOT)
- MAINTAIN EXISTING PLANTING AREA

REVISED BY | DATE REVISED
HENRY BARNES | MIKE CONNELLY
CALCULATED-DESIGNED BY | CHECKED BY
SENIOR ENVIRONMENTAL PLANNER
KIM SMITH

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
ENVIRONMENTAL

PLANT LIST
PL-4

LAST REVISION 12-31-13
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:51

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	917	1273

LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT HENRY D. BARNES No. 3025 STATE OF CALIFORNIA
LICENSE EXPIRATION DATE 12/31/15
REGISTERED OWNER'S SIGNATURE 10/30/13
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.

SEED-MIX 1

BOTANICAL NAME (COMMON NAME)	PERCENT GERMINATION (MINIMUM)	POUNDS PURE LIVE SEED PER ACRE (SLOPE MEASUREMENT)
ENCELIA CALIFORNICA [1] (BUSH SUNFLOWER)	35	2.0
ERIOGONUM FASCICULATUM [1] (CALIFORNIA BUCKWHEAT)	35	3.0
DEINANDRA FASCICULATÁ (SLENDER TARWEED)	35	1.5
LASTHENIA CALIFORNICA [1] (GOLDFIELDS)	35	2.0
LOTUS SCOPARIUS [1] (DEERWEED)	35	2.0
NASSELLA PULCHRA [1] (PURPLE NEEDLEGRASS)	35	6.0
ISOCOMA MENZIESII [1] (COAST GOLDENBUSH)	20	0.5
	TOTAL	17

1 SEED SOURCES FROM SAN DIEGO AND ORANGE COUNTY ONLY

SEED-MIX 2

BOTANICAL NAME (COMMON NAME)	PERCENT GERMINATION (MINIMUM)	POUNDS PURE LIVE SEED PER ACRE (SLOPE MEASUREMENT)
ERIOGONUM FASCICULATUM [1] (CALIFORNIA BUCKWHEAT)	35	3.0
ESCHSCHOLZIA CALIFORNICA [1] (CALIFORNIA POPPY)	60	2.0
LASTHENIA CALIFORNICA [1] (GOLDFIELDS)	35	2.0
LOTUS SCOPARIUS [1] (DEERWEED)	35	2.0
LUPINUS SUCCULENTUS [1] (ARROYO LUPINE)	50	4.0
NASSELLA PULCHRA [1] (PURPLE NEEDLEGRASS)	35	6.0
VULPIA MICROSTACHYS [1] (SMALL FESUE)	40	5.0
	TOTAL	24

1 SEED SOURCES FROM SAN DIEGO AND ORANGE COUNTY ONLY

SEED-MIX 3

BOTANICAL NAME (COMMON NAME)	PERCENT GERMINATION (MINIMUM)	POUNDS PURE LIVE SEED PER ACRE (SLOPE MEASUREMENT)
ARTEMESIA CALIFORNICA [1] (COASTAL SAGEBRUSH)	45	0.5
BACCHARIS SAROTHROIDES [1] (BROOM BACCHARIS)	20	0.1
ENCELIA CALIFORNICA [1] (BUSH SUNFLOWER)	45	2.0
ERIOGONUM FASCICULATUM [1] (CALIFORNIA BUCKWHEAT)	35	3.0
ERIOPHYLLUM CONFERTIFLORUM [1] (GOLDEN YARROW)	50	1.5
ESCHSCHOLZIA CALIFORNICA [1] (CALIFORNIA POPPY)	60	2.0
DEINANDRA FASCICULATA [1] (SLENDER TARWEED)	35	1.5
ISOCOMA MENZIESII [1] (COAST GOLDENBUSH)	20	0.5
LASTHENIA CALIFORNICA [1] (GOLDFIELDS)	35	1.5
LUPINUS SUCCULENTUS [1] (ARROYO LUPINE)	50	4.0
NASSELLA PULCHRA [1] (PURPLE NEEDLEGRASS)	40	4.0
SALVIA MELLIFERA [1] (BLACK SAGE)	30	1.5
	TOTAL	22.1

1 SEED SOURCES FROM SAN DIEGO AND ORANGE COUNTY ONLY

SEED-MIX 4

BOTANICAL NAME (COMMON NAME)	PERCENT GERMINATION (MINIMUM)	POUNDS PURE LIVE SEED PER ACRE (SLOPE MEASUREMENT)
AMBROSIA PSILOSTACHYA [1] (WESTERN RAGWEED)	45	0.5
ANEMOPSIS CALIFORNICA [1] (YERBA MANSA)	20	0.5
ARTEMISIA DOUGLASIANA [1] (CALIFORNIA MUGSWORT)	45	2.0
OENOTHERA ELATA HOOKERII [1] (CALIFORNIA EVENING PRIMROSE)	35	3.0
PLUCHEA PURPURASENS (ODARATA) [1] (MARSH FLEABANE)	50	1.5
	TOTAL	7.5

1 SEED SOURCES FROM SAN DIEGO AND ORANGE COUNTY ONLY

SEED-MIX 5

BOTANICAL NAME (COMMON NAME)	PERCENT GERMINATION (MINIMUM)	POUNDS PURE LIVE SEED PER ACRE (SLOPE MEASUREMENT)
AMBROSIA PSILOSTACHYA [1] (WESTERN RAGWEED)	30	0.5
CROTON CALIFORNICUS [1] (CALIFORNIA CROTON)	35	1.0
LOTUS STRIGOSUS [1] (HAIRY LOTUS)	35	2.0
	TOTAL	3.5

SEED-MIX 6

BOTANICAL NAME (COMMON NAME)	PERCENT GERMINATION (MINIMUM)	POUNDS PURE LIVE SEED PER ACRE (SLOPE MEASUREMENT)
CASTILLEJA ATTENUATA [1] (PURPLE OWL'S CLOVER)	35	3.0
CROTON CALIFORNICUS [1] (CALIFORNIA CROTON)	60	2.0
DEINANDRA FASCICULATA [1] (SLENDER TARWEED)	35	2.0
ISOCOMA MENZIESII [1] (COAST GOLDENBUSH)	35	2.0
LASTHENIA CALIFORNICA [1] (GOLDFIELDS)	50	4.0
LOTUS SCOPARIUS [1] (DEER WEED)	35	6.0
NASSELLA LEPIDA [1] (FOOTHILL NEEDLEGRASS)	40	5.0
NASSELLA PULCHRA [1] (PURPLE NEEDLEGRASS)	40	5.0
	TOTAL	29.0

PLANT LIST

PL-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® ENVIRONMENTAL

SENIOR ENVIRONMENTAL PLANNER: KIM SMITH
CALCULATED-DESIGNED BY: HENRY BARNES
CHECKED BY: MIKE CONNELLY
REVISED BY
DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:51

EROSION CONTROL

LEGEND	SEQUENCE	ITEM	MATERIAL DESCRIPTION	MATERIAL TYPE	APPLICATION RATE	REMARKS
EC (TYPE 1)	STEP 1	IRRIGATION (VARIOUS)	SEE IRRIGATION PLANS		-	
	STEP 2	FIBER ROLLS	8-10" DIAMETER	TYPE B	-	TYPE 2 INSTALLATION
	STEP 3	WEED GERMINATION	WHERE SHOWN		-	
	STEP 4	PLANTING (VARIOUS)	SEE PLANTING PLANS		-	
	STEP 5	EROSION CONTROL BONDED FIBER MATRIX	FIBER	WOOD	2500 LB/ACRE FOR SLOPES ≤ 4:1 (Horiz:Vert) 3000 LB/ACRE FOR SLOPES > 4:1 and ≤ 3:1 (Horiz:Vert) 3500 LB/ACRE FOR SLOPES > 3:1 and ≤ 2:1 (Horiz:Vert) 4000 LB/ACRE FOR SLOPES > 2:1 and ≤ 1:1 (Horiz:Vert) 4500 LB/ACRE FOR SLOPES > 1:1 (Horiz:Vert)	APPLICATION RATE IS FOR FIBER AND TACKIFIER COMBINED
			TACKIFIER	BFM		
	STEP 6	EROSION CONTROL BONDED FIBER MATRIX	FIBER		500 LB/ACRE	
			TACKIFIER			
			SEED	MIX 1	17 LB/ACRE	
EC (TYPE 2)	STEP 1	IRRIGATION (VARIOUS)	SEE IRRIGATION PLANS		-	
	STEP 2	FIBER ROLLS	8-10" DIAMETER	TYPE B	-	TYPE 2 INSTALLATION
	STEP 3	WEED GERMINATION	WHERE SHOWN		-	
	STEP 4	PLANTING (VARIOUS)	SEE PLANTING PLANS		-	
	STEP 5	EROSION CONTROL BONDED FIBER MATRIX	FIBER	WOOD	2500 LB/ACRE FOR SLOPES ≤ 4:1 (Horiz:Vert) 3000 LB/ACRE FOR SLOPES > 4:1 and ≤ 3:1 (Horiz:Vert) 3500 LB/ACRE FOR SLOPES > 3:1 and ≤ 2:1 (Horiz:Vert) 4000 LB/ACRE FOR SLOPES > 2:1 and ≤ 1:1 (Horiz:Vert) 4500 LB/ACRE FOR SLOPES > 1:1 (Horiz:Vert)	APPLICATION RATE IS FOR FIBER AND TACKIFIER COMBINED
			TACKIFIER	BFM		
	STEP 6	EROSION CONTROL BONDED FIBER MATRIX	FIBER		500 LB/ACRE	
			TACKIFIER			
			SEED	MIX 2	24 LB/ACRE	
EC (TYPE 3) EC (TYPE 3)	STEP 1	IRRIGATION (VARIOUS)	SEE IRRIGATION PLANS		-	
	STEP 2	FIBER ROLLS	8-10" DIAMETER	TYPE B	-	TYPE 2 INSTALLATION
	STEP 3	WEED GERMINATION	WHERE SHOWN		-	
	STEP 4	PLANTING (VARIOUS)	SEE PLANTING PLANS		-	
	STEP 5	EROSION CONTROL BONDED FIBER MATRIX	FIBER	WOOD	2500 LB/ACRE FOR SLOPES ≤ 4:1 (Horiz:Vert) 3000 LB/ACRE FOR SLOPES > 4:1 and ≤ 3:1 (Horiz:Vert) 3500 LB/ACRE FOR SLOPES > 3:1 and ≤ 2:1 (Horiz:Vert) 4000 LB/ACRE FOR SLOPES > 2:1 and ≤ 1:1 (Horiz:Vert) 4500 LB/ACRE FOR SLOPES > 1:1 (Horiz:Vert)	APPLICATION RATE IS FOR FIBER AND TACKIFIER COMBINED
			TACKIFIER	BFM		
	STEP 6	EROSION CONTROL BONDED FIBER MATRIX	FIBER		500 LB/ACRE	
			TACKIFIER			
			SEED	MIX 3	22.1 LB/ACRE	
EC (TYPE 4)	STEP 1	IRRIGATION (VARIOUS)	SEE IRRIGATION PLANS		-	
	STEP 2	FIBER ROLLS	8-10" DIAMETER	TYPE B	-	TYPE 2 INSTALLATION
	STEP 3	WEED GERMINATION	WHERE SHOWN		-	
	STEP 4	PLANTING (VARIOUS)	SEE PLANTING PLANS		-	
	STEP 5	EROSION CONTROL DRY SEED	SEED	MIX 4	7.5 LB/ACRE	
EC (TYPE 5)	STEP 1	IRRIGATION (VARIOUS)	SEE IRRIGATION PLANS		-	
	STEP 2	FIBER ROLLS	8-10" DIAMETER	TYPE B	-	TYPE 2 INSTALLATION
	STEP 3	WEED GERMINATION	WHERE SHOWN		-	
	STEP 4	PLANTING (VARIOUS)	SEE PLANTING PLANS		-	
	STEP 5	EROSION CONTROL DRY SEED	SEED	MIX 5	3.5 LB/ACRE	
EC (TYPE 6)	STEP 1	ROADSIDE CLEARING	SEE PLANTING PLANS		-	
	STEP 2	FIBER ROLLS	8-10" DIAMETER	TYPE B	-	TYPE 2 INSTALLATION
	STEP 3	DRY SEED MIX	SEED	MIX 6	29.0 LB/ACRE	
NATIVE SOD	STEP 1	COMPOST	COMPOST	MEDIUM	135 CY/ACRE	
	STEP 2	INCORPORATE MATERIALS	COMPOST		-	3" IN DEPTH
	STEP 3	PLANTING (VARIOUS)	SEE PLANTING PLANS		-	
	STEP 4	WEED GERMINATION	SEE PLANTING PLANS		-	
	STEP 5	NATIVE SOD	SEE PLANTING PLANS		-	

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	918	1273

LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Signature
10-31-14
Renewal Date
10-29-13
Date
STATE OF CALIFORNIA

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

PLANT LIST

PL-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE
SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ
CALCULATED-DESIGNED BY: STEPHEN P. WARREN
CHECKED BY: JOEL HORTIZUELA
REVISED BY: X
DATE REVISED: MM-DD-YY

LAST REVISION: 12-31-13
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:51

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	919	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Signature
10-31-14
Renewal date
10-29-13
Date
STATE OF CALIFORNIA

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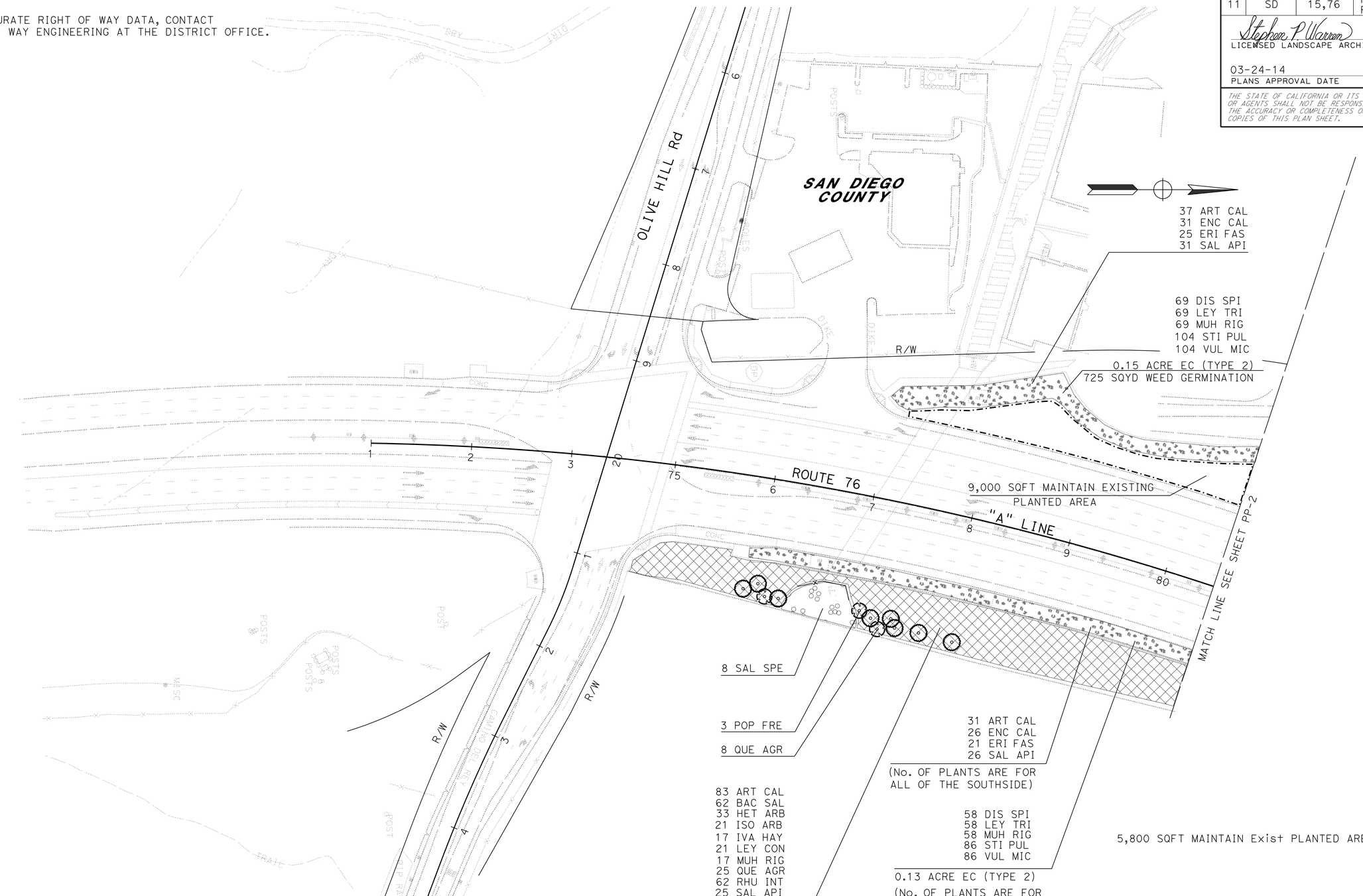
NOTE:

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



APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

PLANTING PLAN

PP-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ

CALCULATED-DESIGNED BY: STEPHEN P. WARREN
CHECKED BY: JOEL HORTIZUELA

REVISED BY
DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:51

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	920	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Stephen P. Warren
Signature
10-31-14
Renewal date
10-29-13
Date
STATE OF CALIFORNIA

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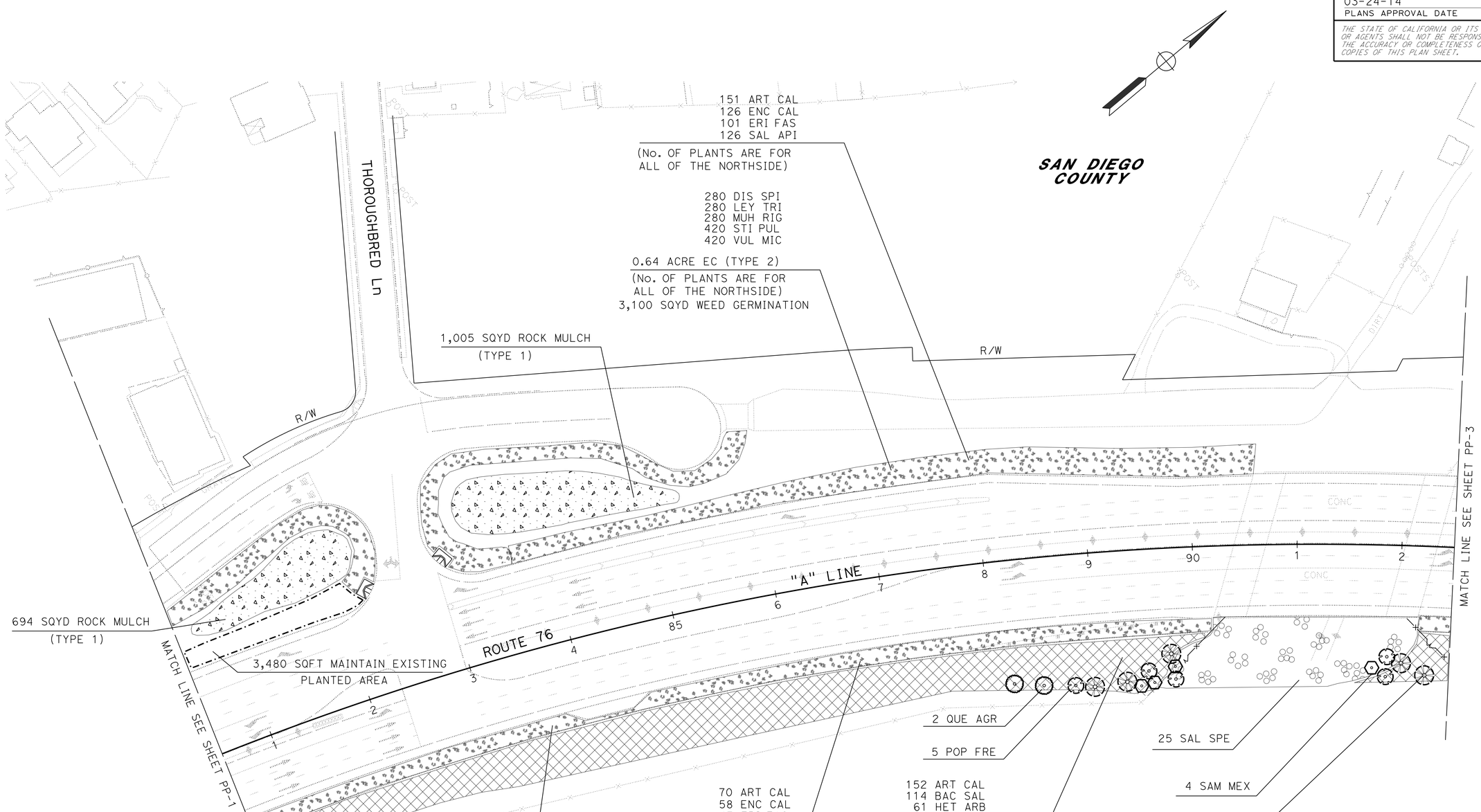

APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

PLANTING PLAN
PP-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ
CALCULATED-DESIGNED BY: STEPHEN P. WARREN
CHECKED BY: JOEL HORTIZUELA
REVISED BY
DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:51

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	921	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Signature
10-31-14
Renewal date
10-29-13
Date
STATE OF CALIFORNIA

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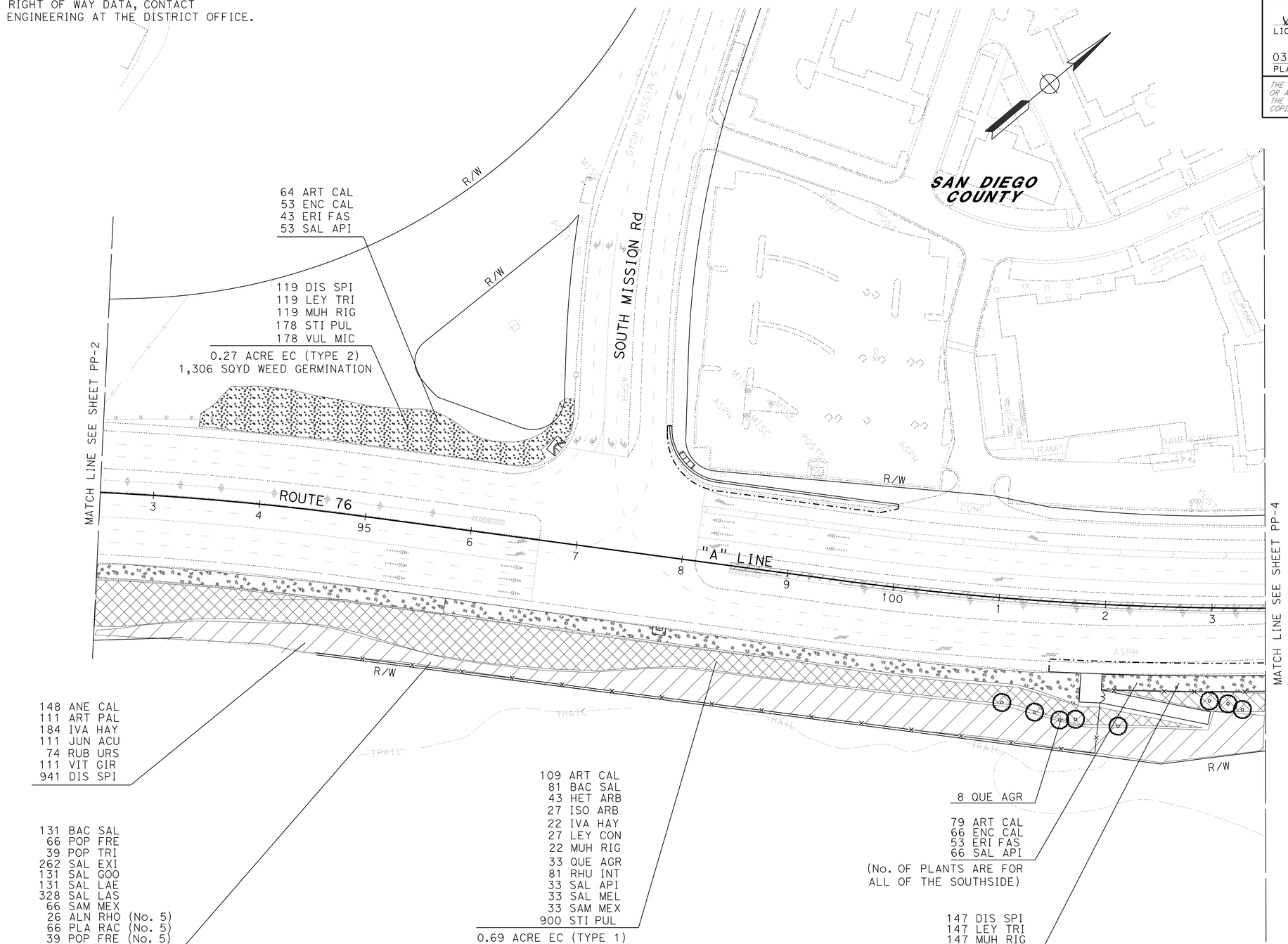


APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

PLANTING PLAN
PP-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ
CALCULATED-DESIGNED BY: STEPHEN P. WARREN
CHECKED BY: JOEL HORTIZUELA
REVISED BY
DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:51

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	922	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

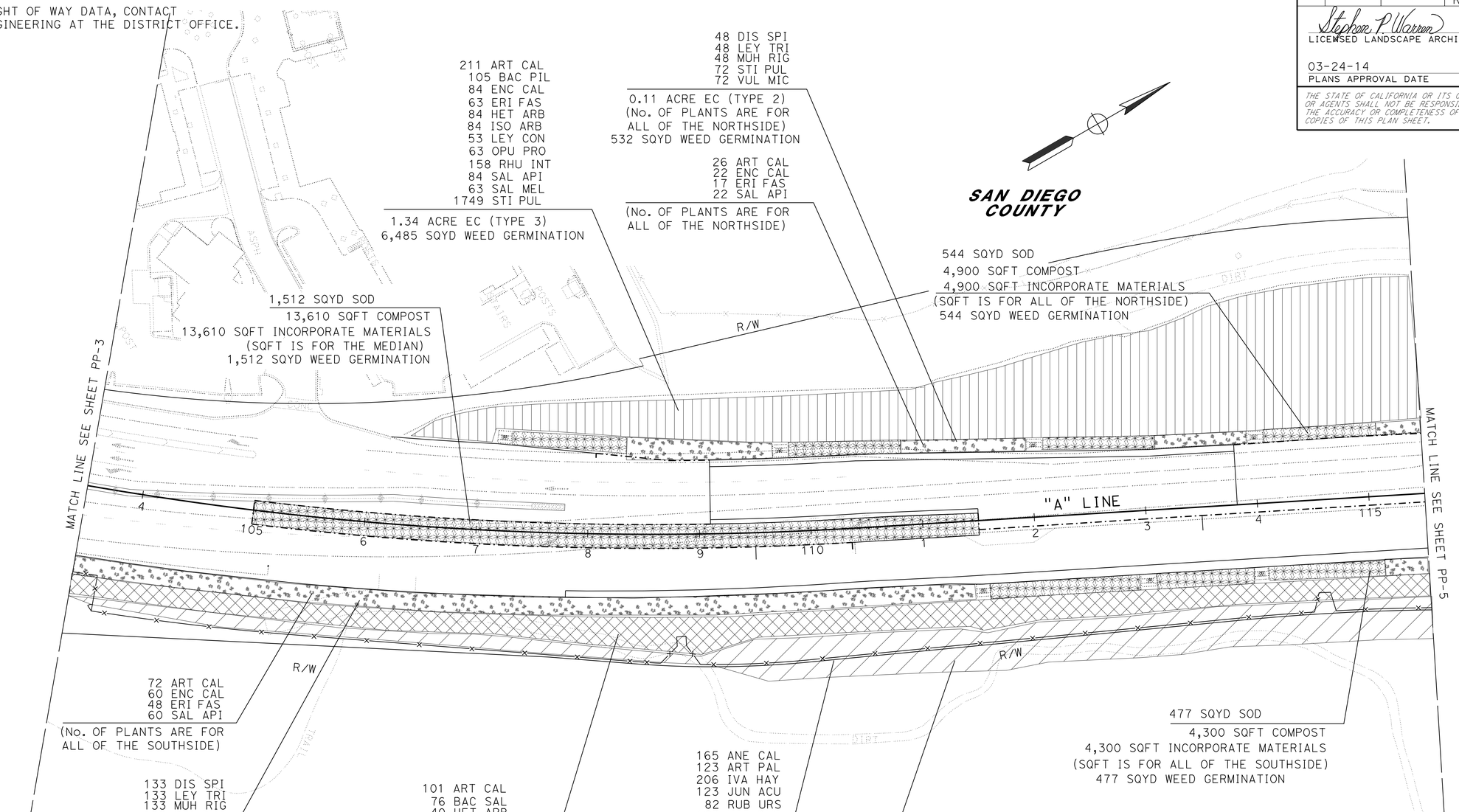
03-24-14
PLANS APPROVAL DATE

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
STEPHEN P. WARREN No. 3442
Signature
10-31-14
Renewal date
10-29-13
Date
STATE OF CALIFORNIA

NOTE:

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



PLANTING PLAN

APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

PP-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ
CALCULATED-DESIGNED BY: STEPHEN P. WARREN
CHECKED BY: JOEL HORTIZUELA
REVISED BY / DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:51

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	923	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Signature
10-31-14
Renewal Date
10-29-13
Date
STATE OF CALIFORNIA

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NOTE:

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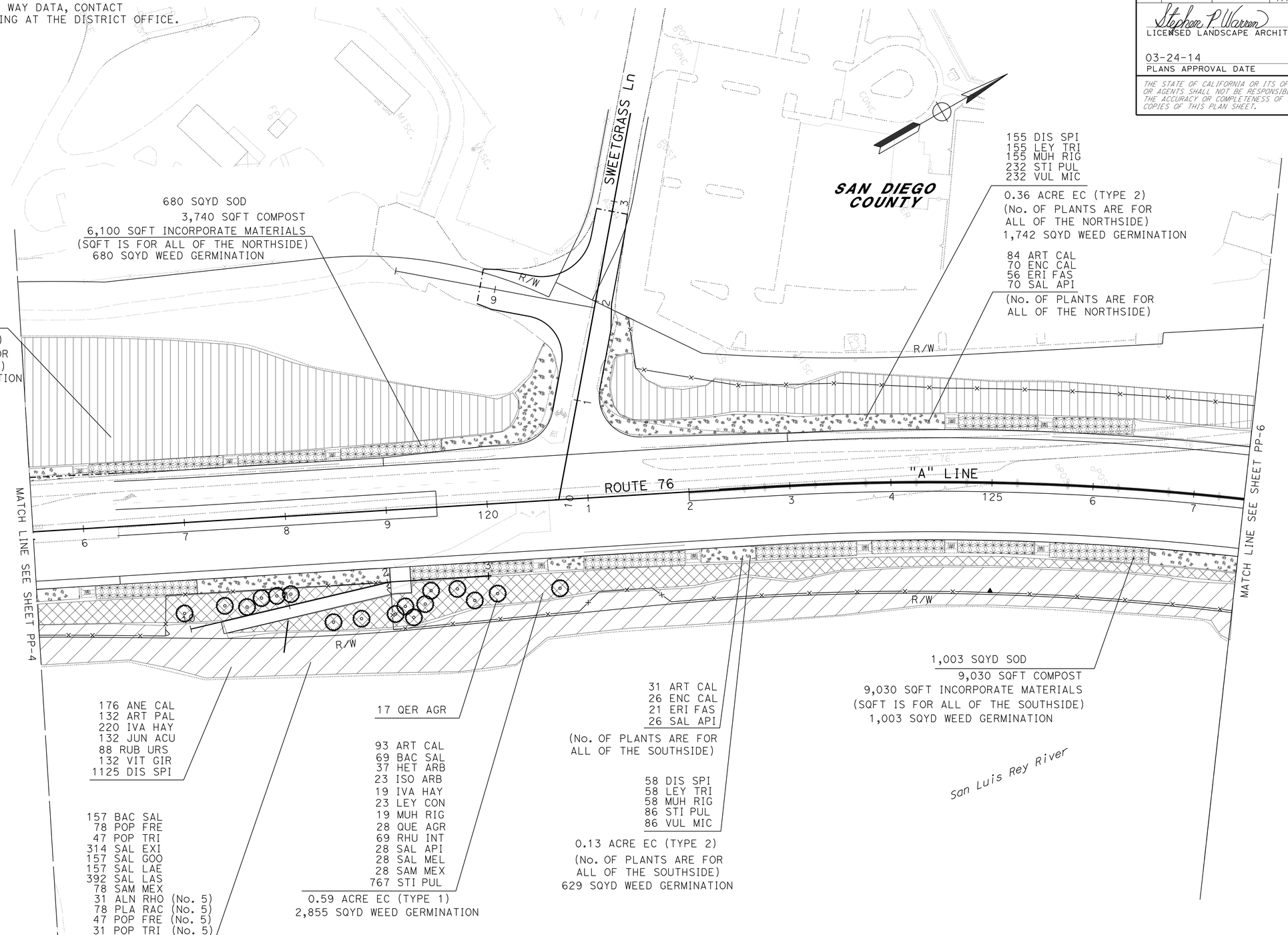

PLANTING PLAN

APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

PP-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ
CALCULATED-DESIGNED BY: STEPHEN P. WARREN
CHECKED BY: JOEL HORTIZUELA
REVISED BY
DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:51

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	924	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Signature
10-31-14
Renewal date
10-29-13
Date
STATE OF CALIFORNIA

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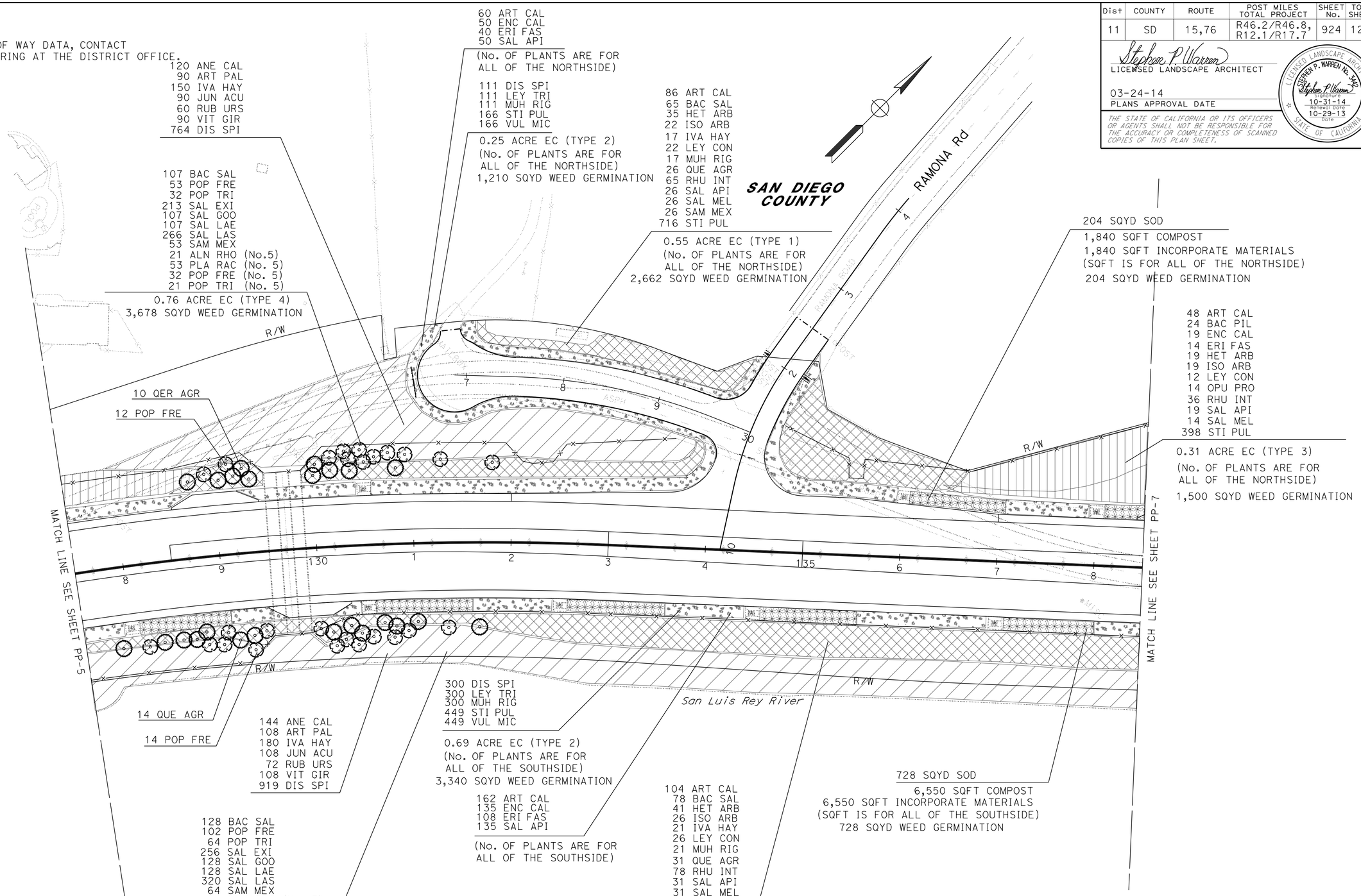

APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

PLANTING PLAN
PP-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ
CALCULATED-DESIGNED BY: STEPHEN P. WARREN
CHECKED BY: JOEL HORTIZUELA
REVISED BY
DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:51

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	925	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

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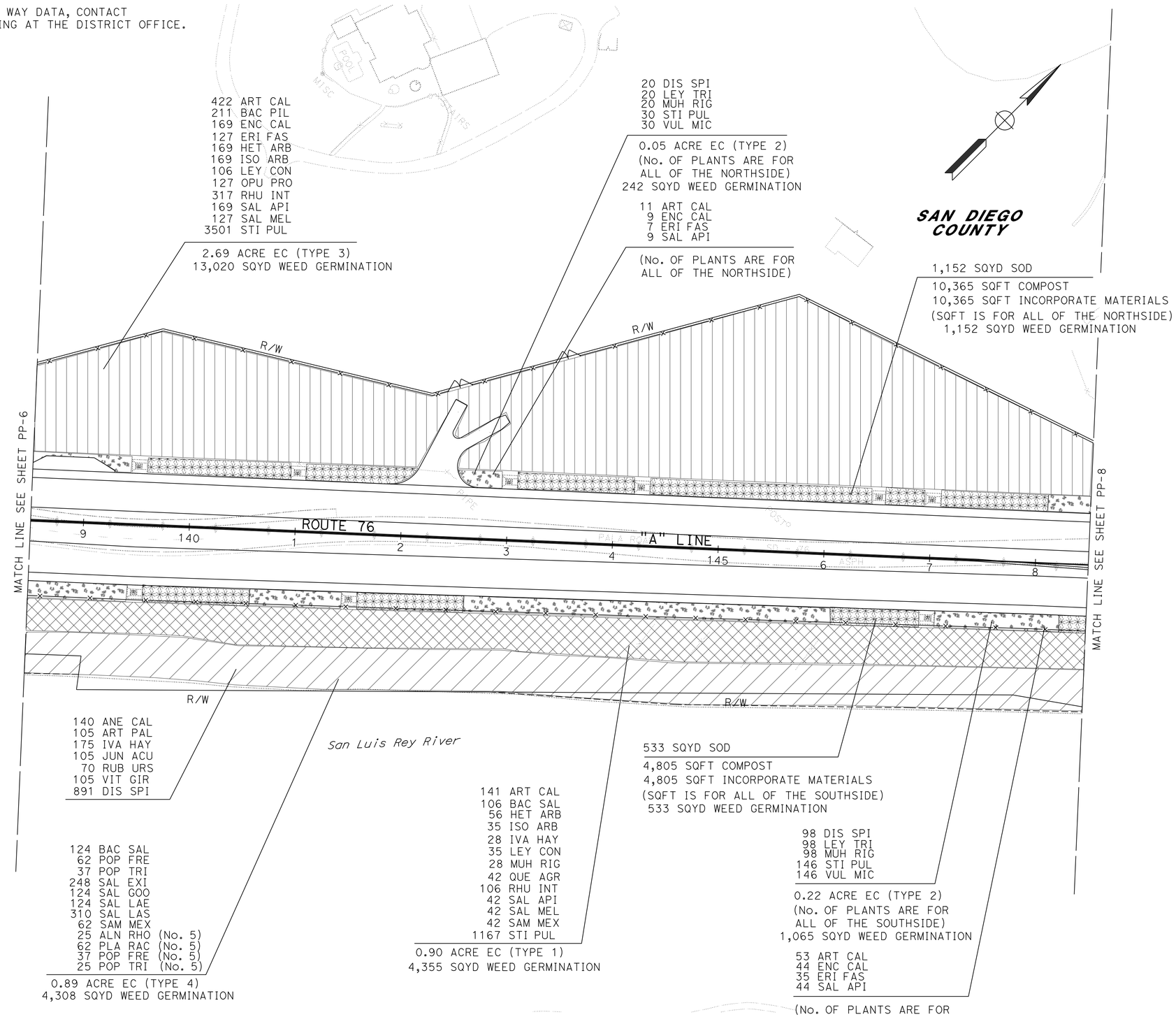
LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Signature
10-31-14
Renewal Date
10-29-13
Date
STATE OF CALIFORNIA

NOTE:

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



APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

PLANTING PLAN
PP-7

REVISED BY	DATE REVISED
STEPHEN P. WARREN	JOEL HORTIZUELA

CALCULATED-DESIGNED BY
CHECKED BY

SENIOR LANDSCAPE ARCHITECT
STEPHEN ALVAREZ

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

LAST REVISION 12-31-13
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:51

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	926	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Stephen P. Warren
Signature
10-31-14
Renewal Date
10-29-13
Date
STATE OF CALIFORNIA

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

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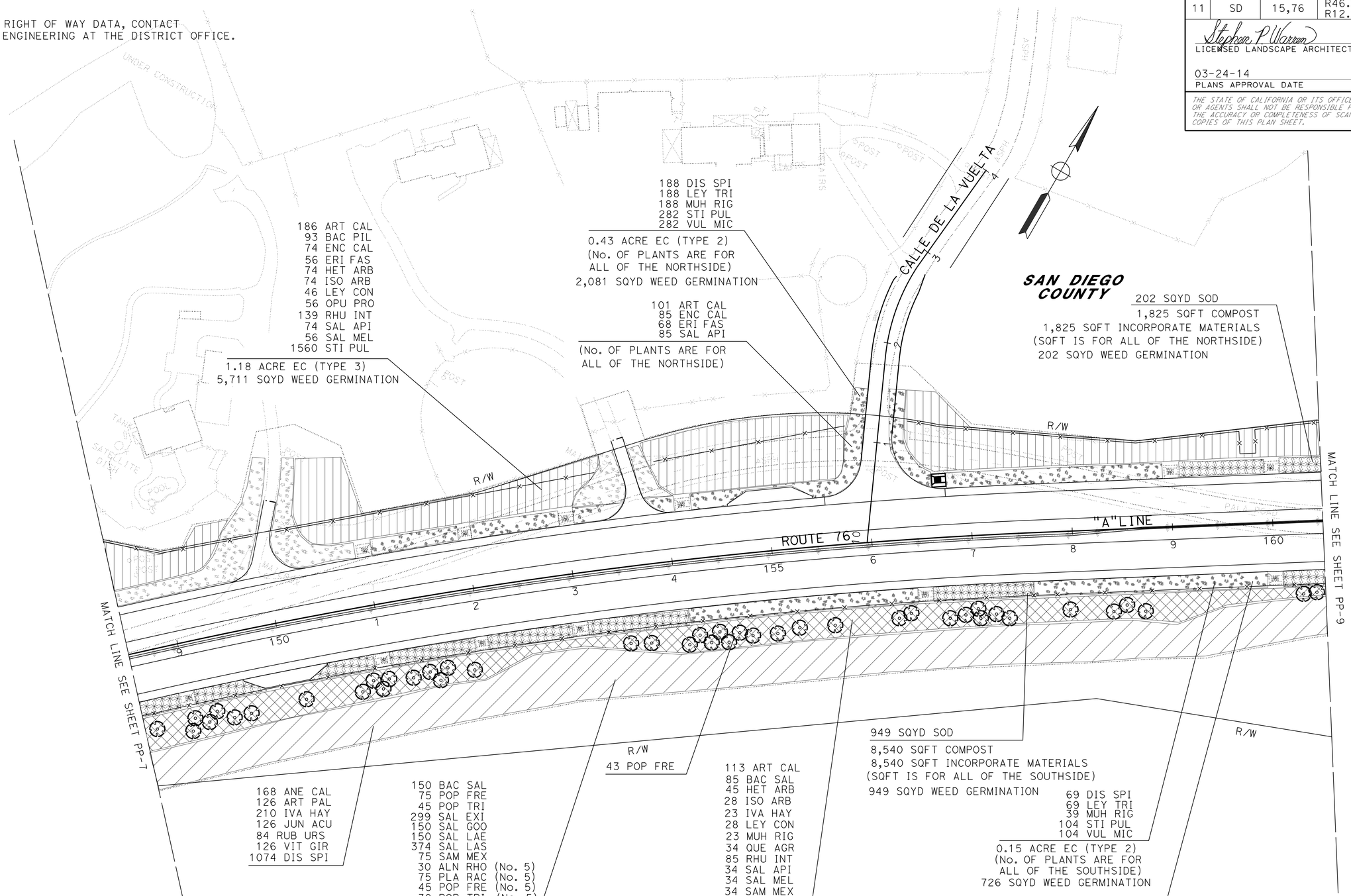

APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

PLANTING PLAN
PP-8

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ
CALCULATED-DESIGNED BY: STEPHEN P. WARREN
CHECKED BY: JOEL HORTIZUELA
REVISED BY
DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:51

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	927	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Signature
10-31-14
Renewal date
10-29-13
Date
STATE OF CALIFORNIA

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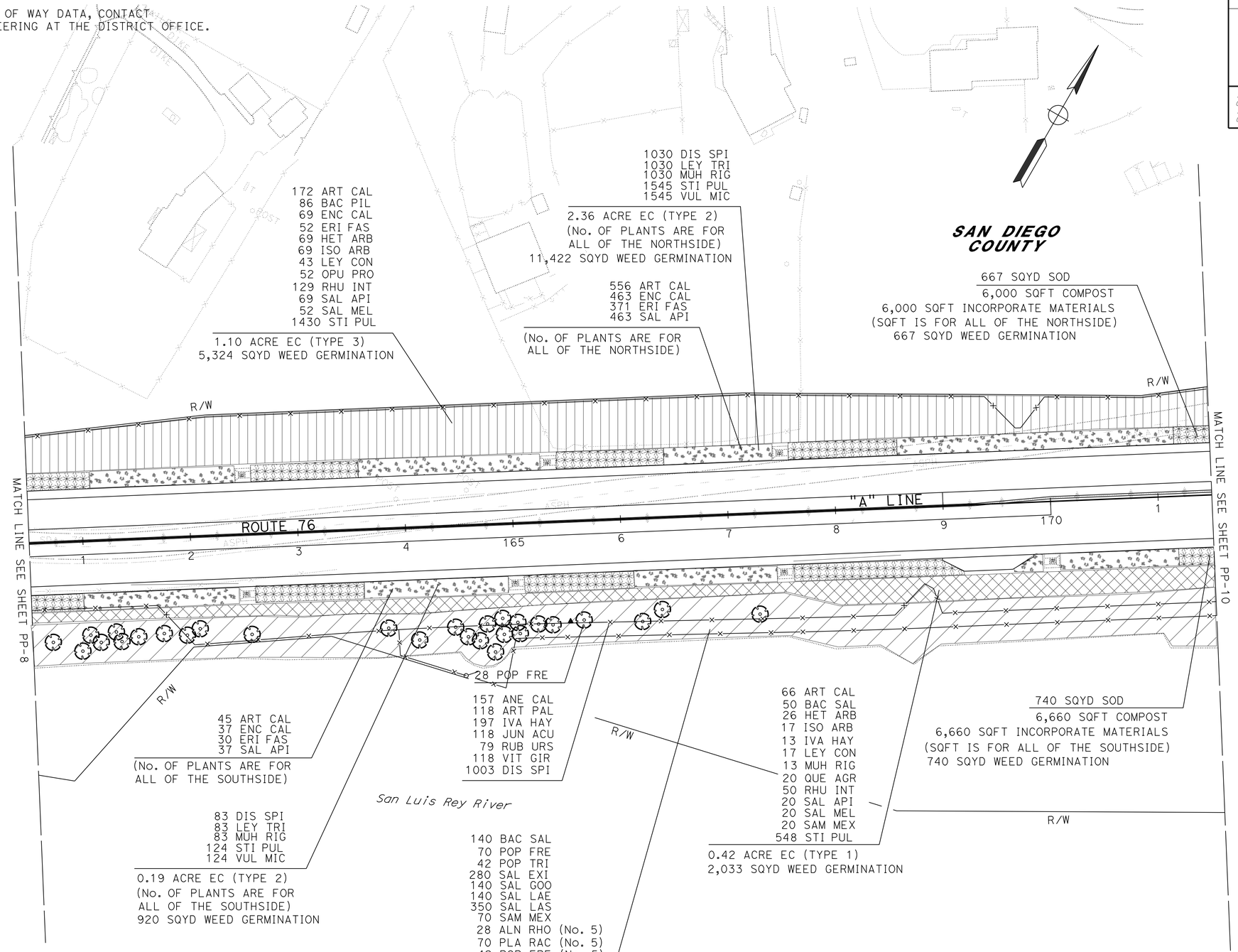

APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

PLANTING PLAN

PP-9

REVISED BY	DATE REVISED
STEPHEN P. WARREN	JOEL HORTIZUELA
CALCULATED-DESIGNED BY	CHECKED BY
SENIOR LANDSCAPE ARCHITECT	STEPHEN ALVAREZ

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

LAST REVISION 12-31-13 | DATE PLOTTED => 20-MAR-2014 | TIME PLOTTED => 15:51

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	928	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Signature
10-31-14
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10-29-13
Date
STATE OF CALIFORNIA

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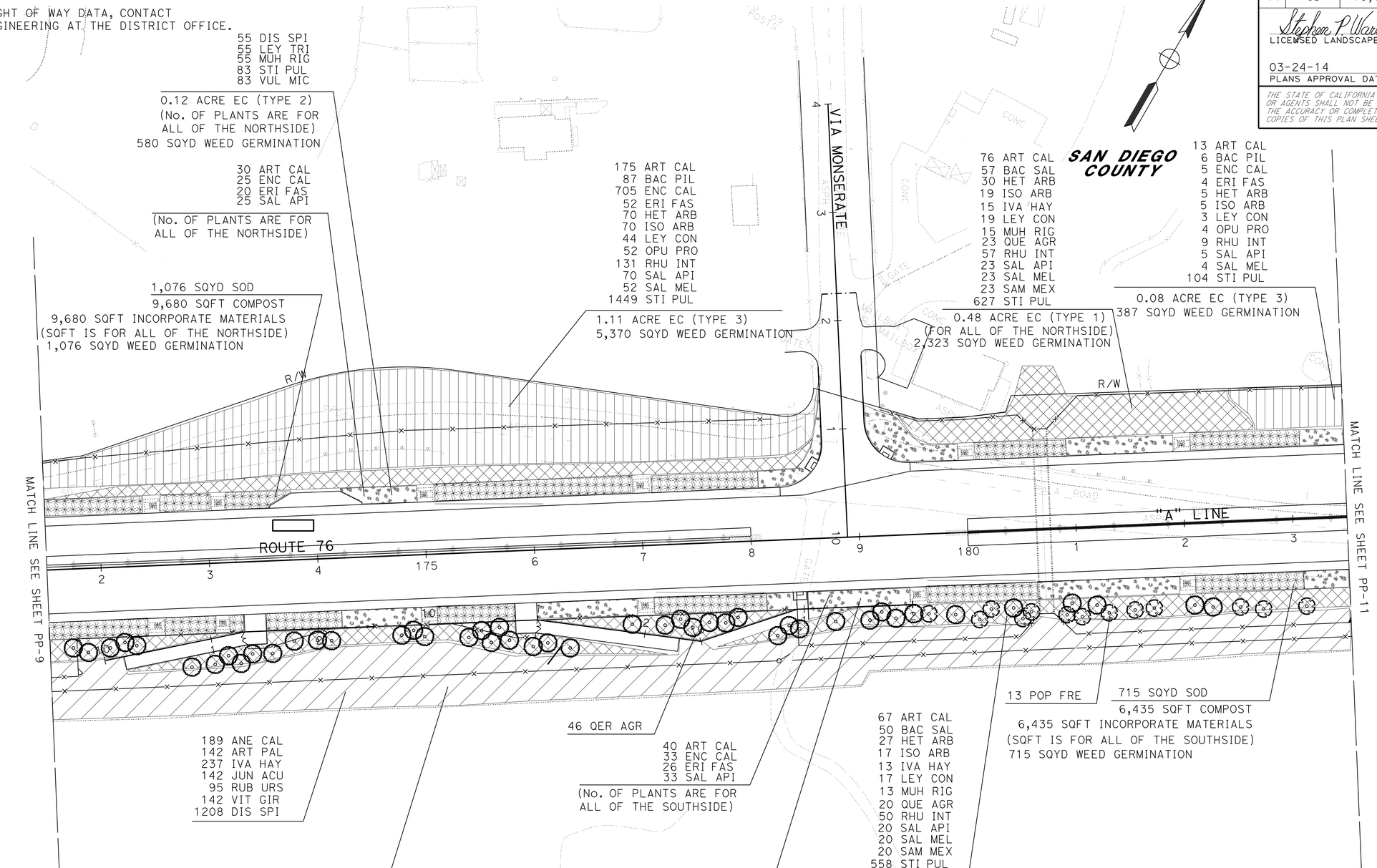

APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

PLANTING PLAN

PP-10

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ
CALCULATED-DESIGNED BY: STEPHEN P. WARREN
CHECKED BY: JOEL HORTIZUELA
REVISED BY
DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:51

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	929	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Signature
10-31-14
Renewal Date
10-29-13
Date
STATE OF CALIFORNIA

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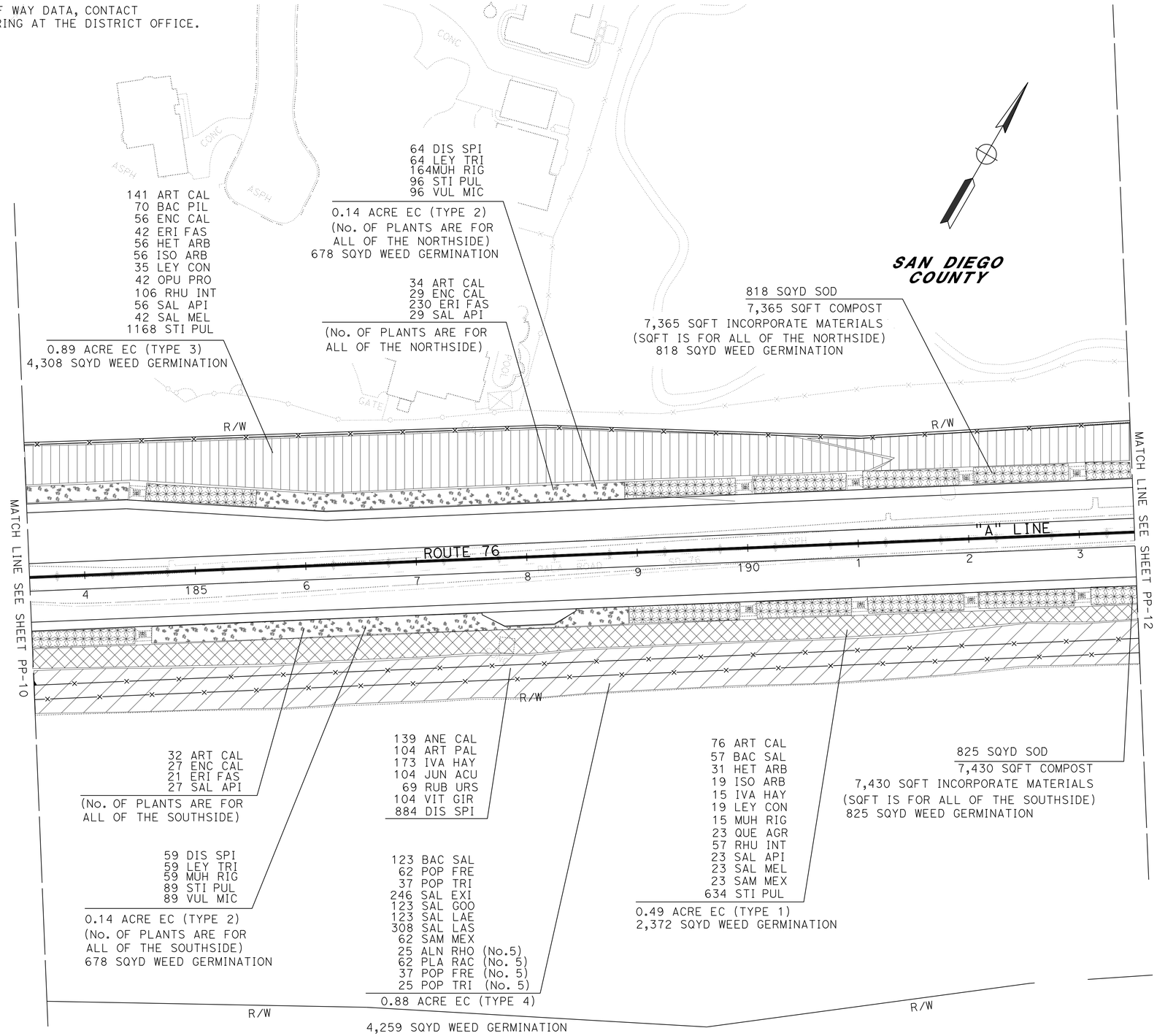

APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

PLANTING PLAN
PP-11

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ
CALCULATED-DESIGNED BY: STEPHEN P. WARREN
CHECKED BY: JOEL HORTIZUELA
REVISED BY
DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:51

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	930	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Signature
10-31-14
Renewal Date
10-29-13
Date
STATE OF CALIFORNIA

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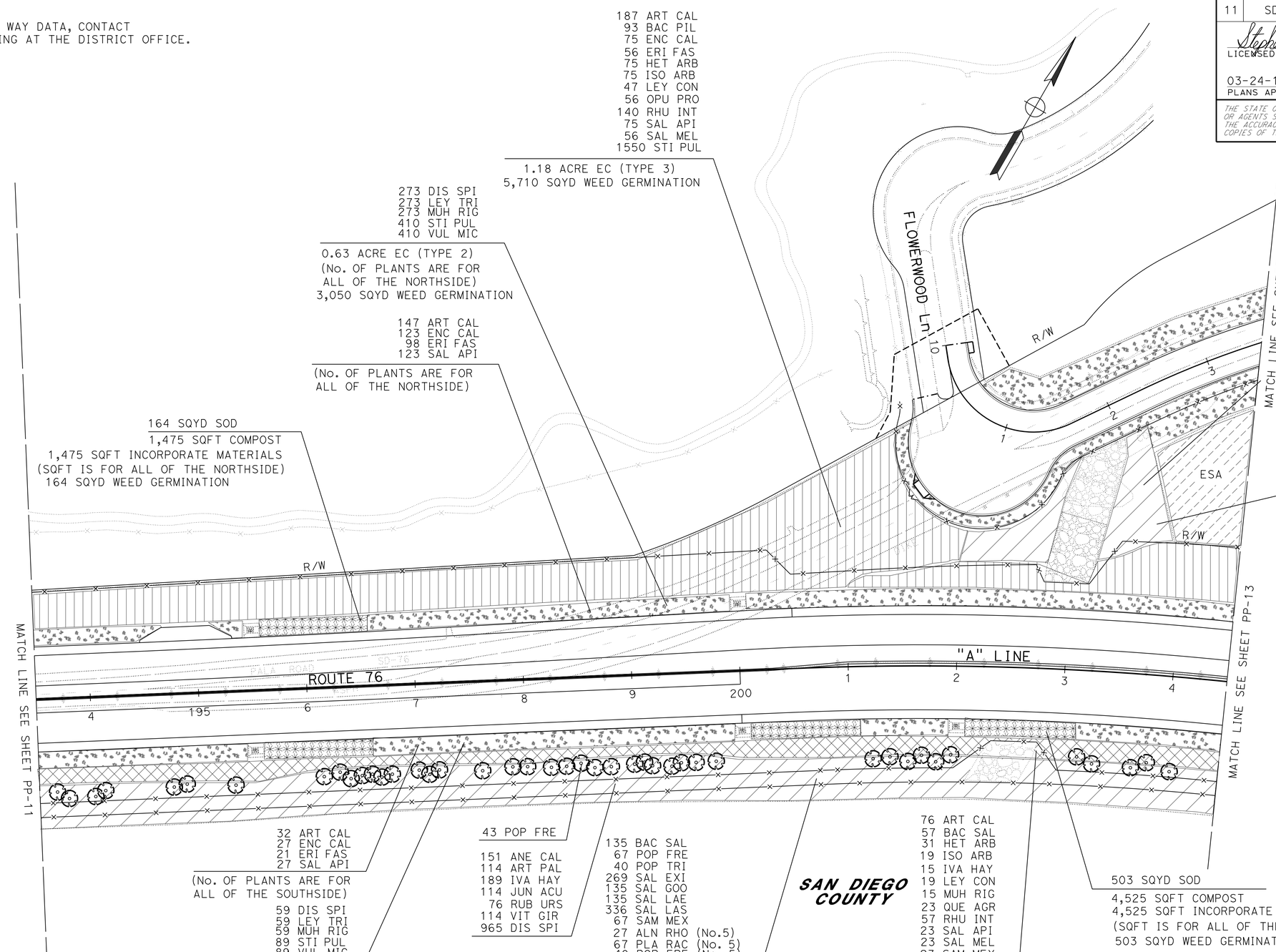

APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

PLANTING PLAN
PP-12

REVISED BY	DATE REVISED

STEPHEN P. WARREN — JOEL HORTIZUELA

CALCULATED-DESIGNED BY — CHECKED BY

SENIOR LANDSCAPE ARCHITECT — STEPHEN ALVAREZ

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

LAST REVISION 12-31-13 | DATE PLOTTED => 20-MAR-2014 | TIME PLOTTED => 15:51

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	931	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT STEPHEN P. WARREN No. 3442 Signature 10-31-14 Renewal Date 10-29-13 Date STATE OF CALIFORNIA

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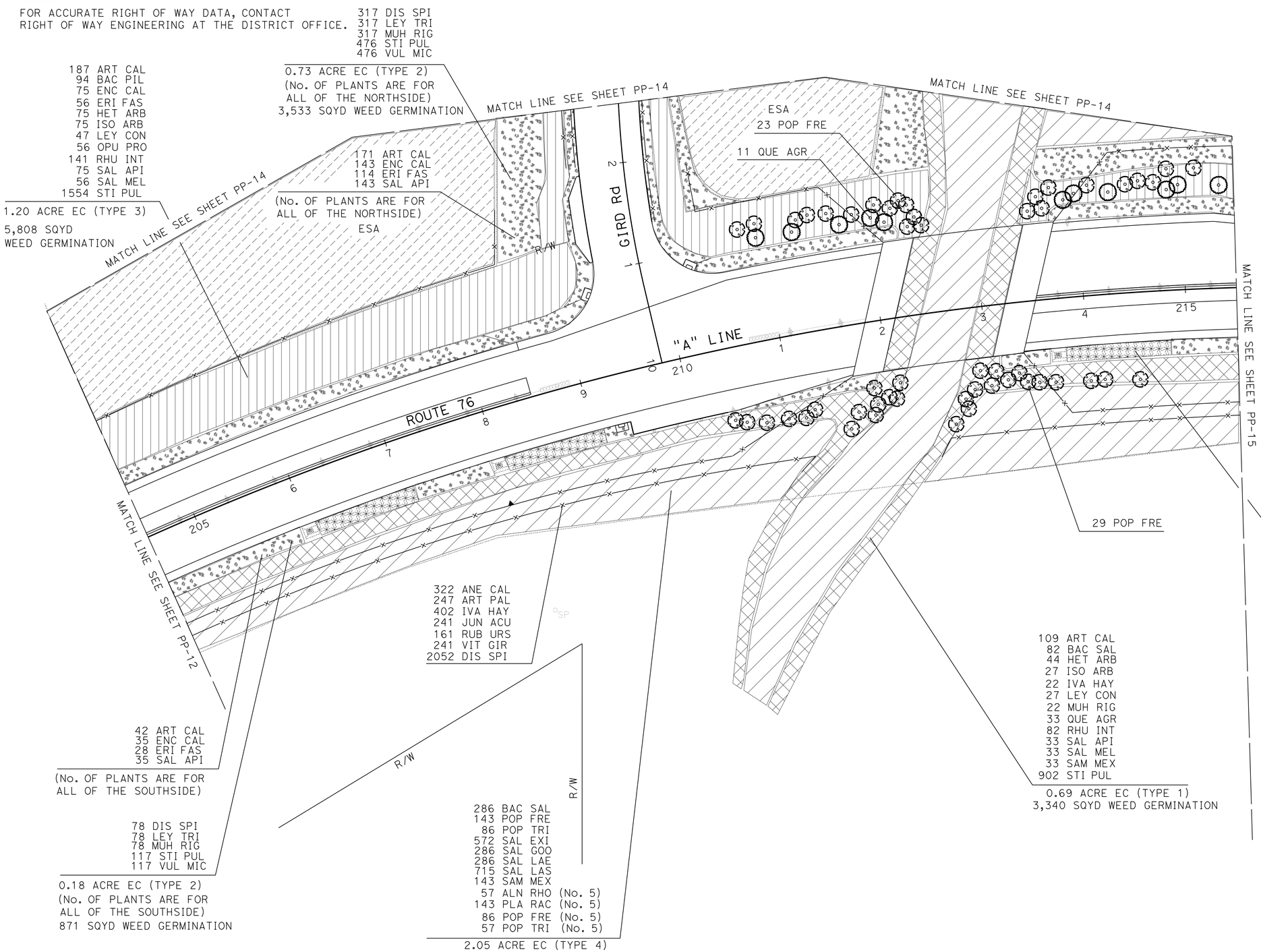

SAN DIEGO COUNTY

APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

PLANTING PLAN

PP-13

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ
CALCULATED-DESIGNED BY: STEPHEN P. WARREN
CHECKED BY: JOEL HORTIZUELA
REVISED BY / DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:51

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	932	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Stephen P. Warren
Signature
10-31-14
Renewal date
10-29-13
Date
STATE OF CALIFORNIA

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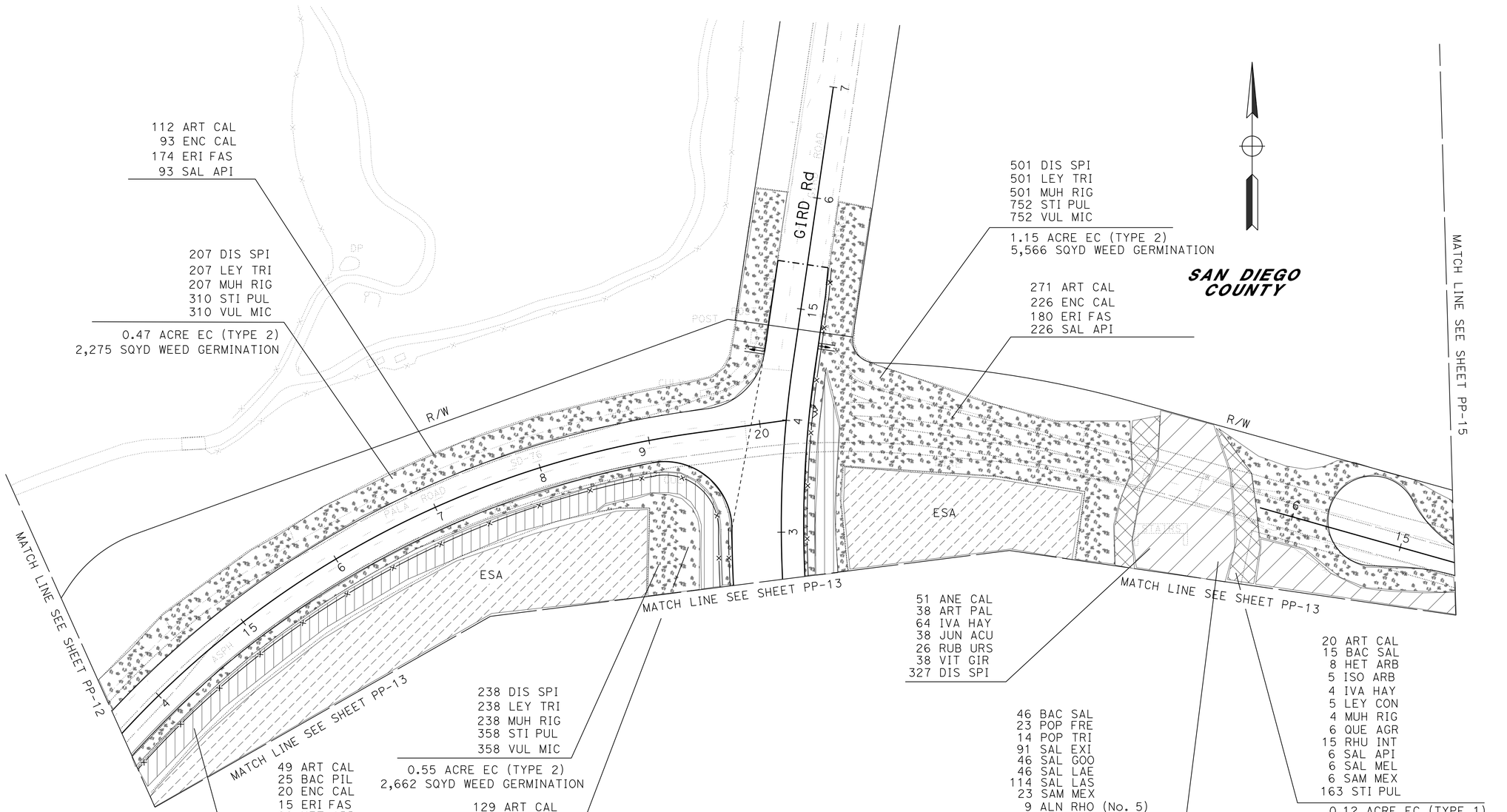

APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

PLANTING PLAN

PP-14

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ
CALCULATED-DESIGNED BY: STEPHEN P. WARREN
CHECKED BY: JOEL HORTIZUELA
REVISED BY
DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 20-MAR-2014
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	933	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Stephen P. Warren
Signature
10-31-14
Renewal Date
10-29-13
Date
STATE OF CALIFORNIA

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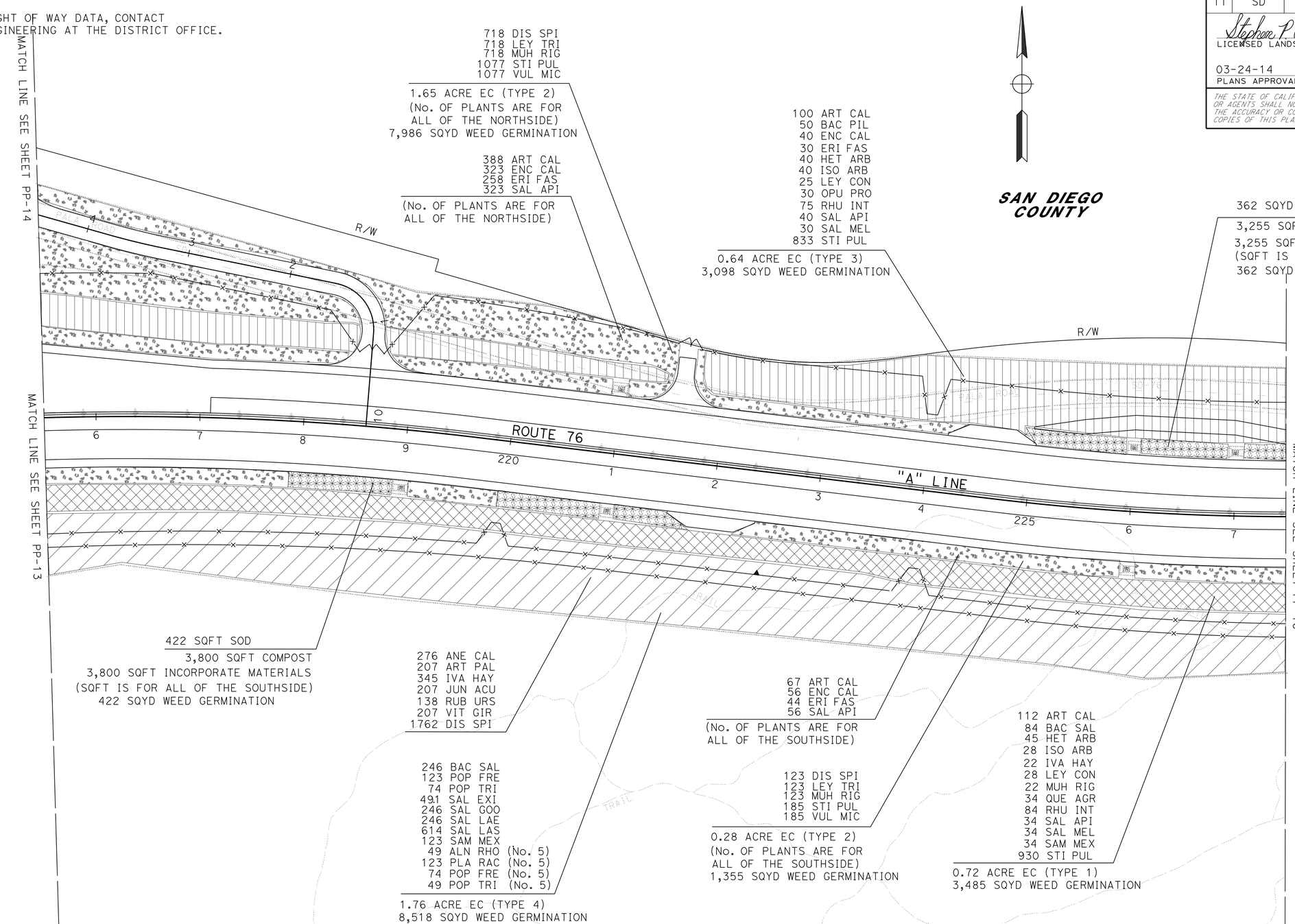

PLANTING PLAN

APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

PP-15

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ
CALCULATED-DESIGNED BY: STEPHEN P. WARREN
CHECKED BY: JOEL HORTIZUELA
REVISED BY
DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:51

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	934	1273

LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

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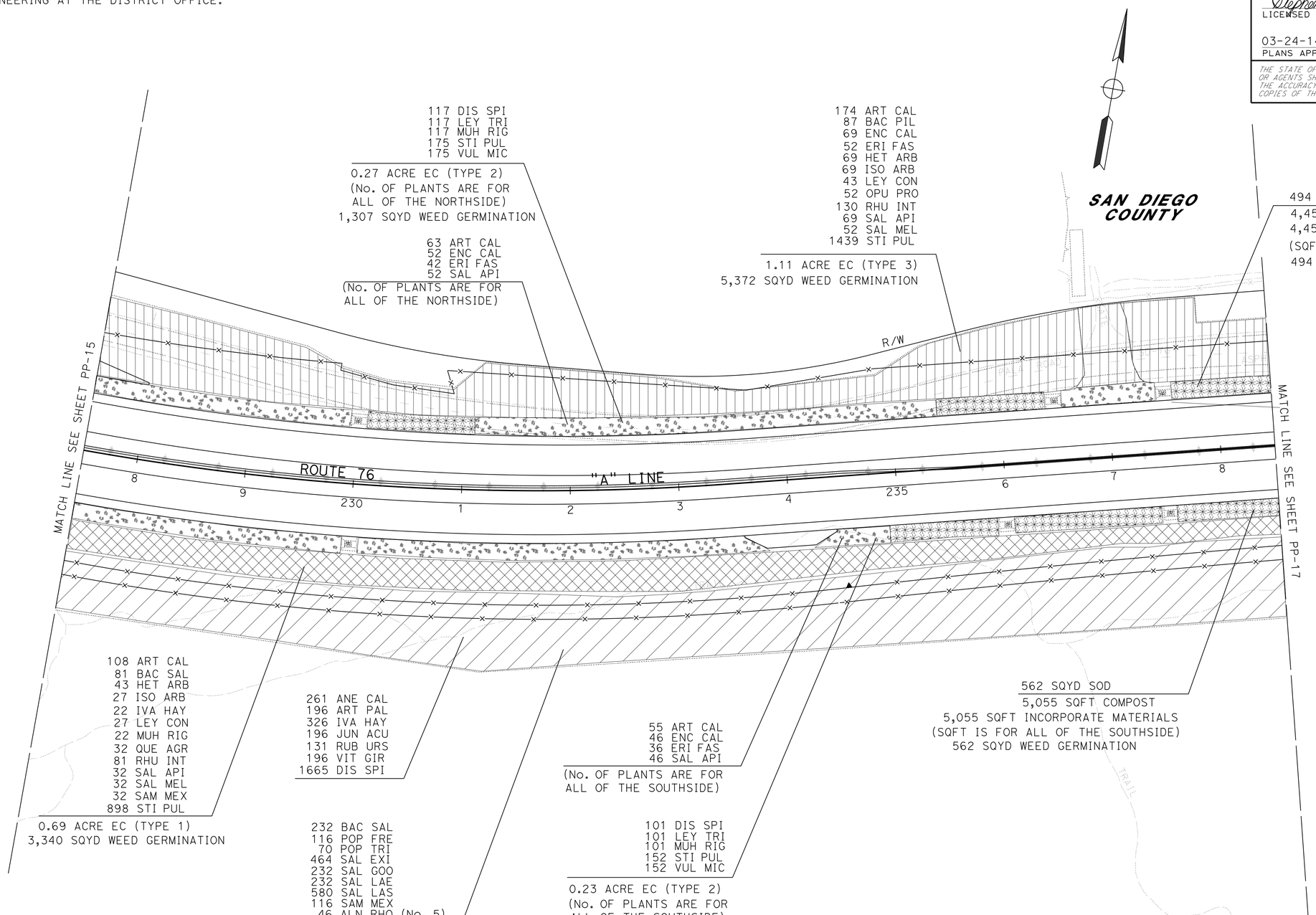
LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Signature
10-31-14
Renewal date
10-29-13
Date
STATE OF CALIFORNIA

NOTE:

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



APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

PLANTING PLAN
PP-16

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

LAST REVISION 12-31-13 | DATE PLOTTED => 20-MAR-2014 | TIME PLOTTED => 15:51

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	935	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Signature
10-31-14
Renewal date
10-29-13
Date
STATE OF CALIFORNIA

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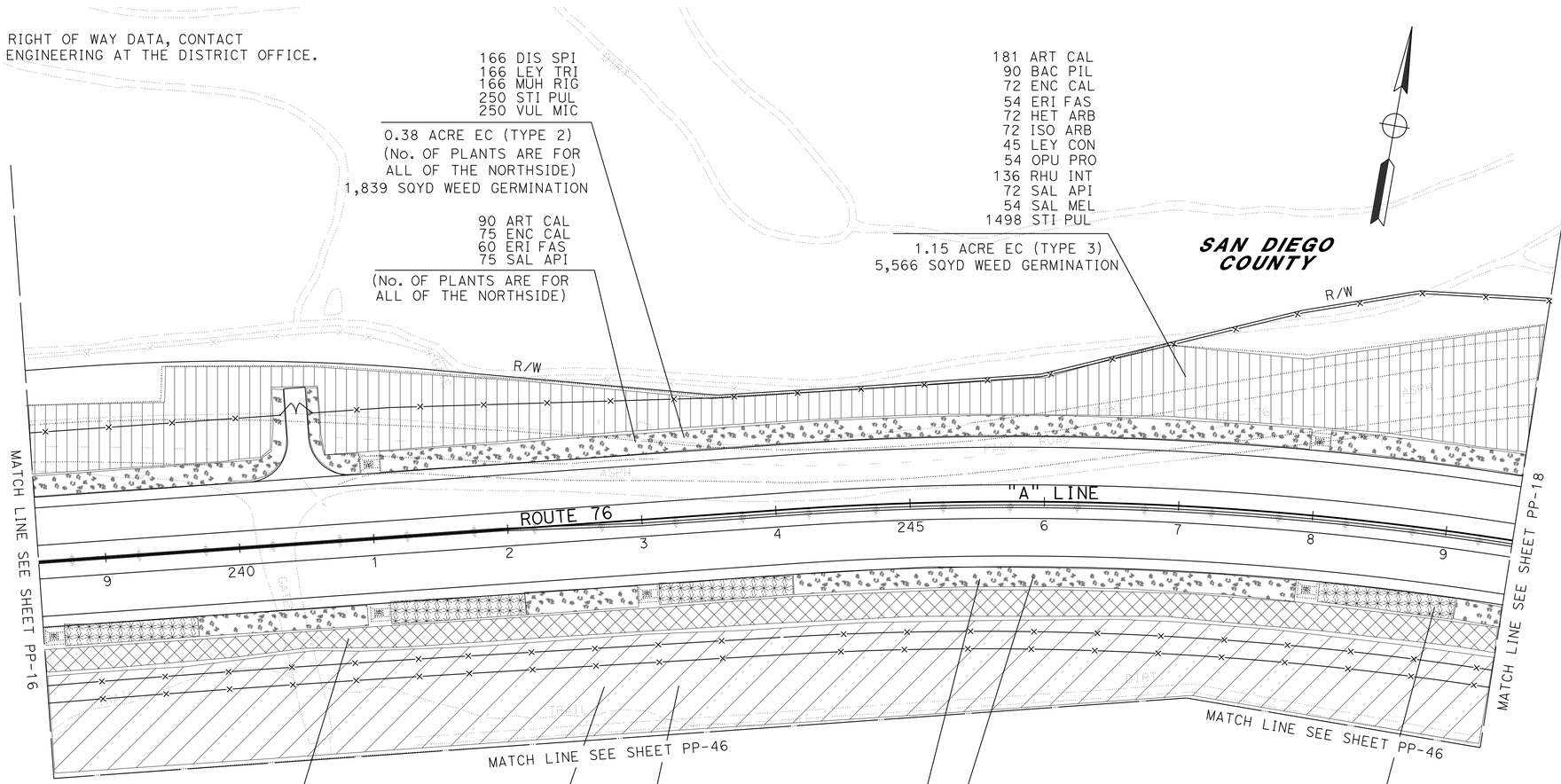

76 ART CAL
57 BAC SAL
31 HET ARB
19 ISO ARB
15 IVA HAY
19 LEY CON
15 MUH RIG
23 QUE AGR
57 RHU INT
23 SAL API
23 SAL MEL
23 SAM MEX
634 STI PUL
0.49 ACRE EC (TYPE 1)
2,372 SQYD WEED GERMINATION

264 ANE CAL
198 ART PAL
330 IVA HAY
198 JUN ACU
132 RUB URS
198 VIT GIR
1685 DIS SPI

235 BAC SAL
117 POP FRE
70 POP TRI
470 SAL EXI
235 SAL GOO
235 SAL LAE
587 SAL LAS
117 SAM MEX
47 ALN RHO (No. 5)
117 PLA RAC (No. 5)
70 POP FRE (No. 5)
47 POP TRI (No. 5)
1.69 ACRE EC (TYPE 4)
8,180 SQYD WEED GERMINATION

55 ART CAL
46 ENC CAL
36 ERI FAS
46 SAL API
(No. OF PLANTS ARE FOR ALL OF THE SOUTHSIDE)

101 DIS SPI
101 LEY TRI
101 MUH RIG
152 STI PUL
152 VUL MIC
0.23 ACRE EC (TYPE 2)
(No. OF PLANTS ARE FOR ALL OF THE SOUTHSIDE)
1,113 SQYD WEED GERMINATION

682 SQYD SOD
6,140 SQFT COMPOST
6,140 SQFT INCORPORATE MATERIALS
(SQFT IS FOR ALL OF THE SOUTHSIDE)
682 SQYD WEED GERMINATION

APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

PLANTING PLAN
PP-17

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ
CALCULATED-DESIGNED BY: STEPHEN P. WARREN
CHECKED BY: JOEL HORTIZUELA
REVISED BY
DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:51

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	936	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Signature
10-31-14
Renewal Date
10-29-13
Date
STATE OF CALIFORNIA

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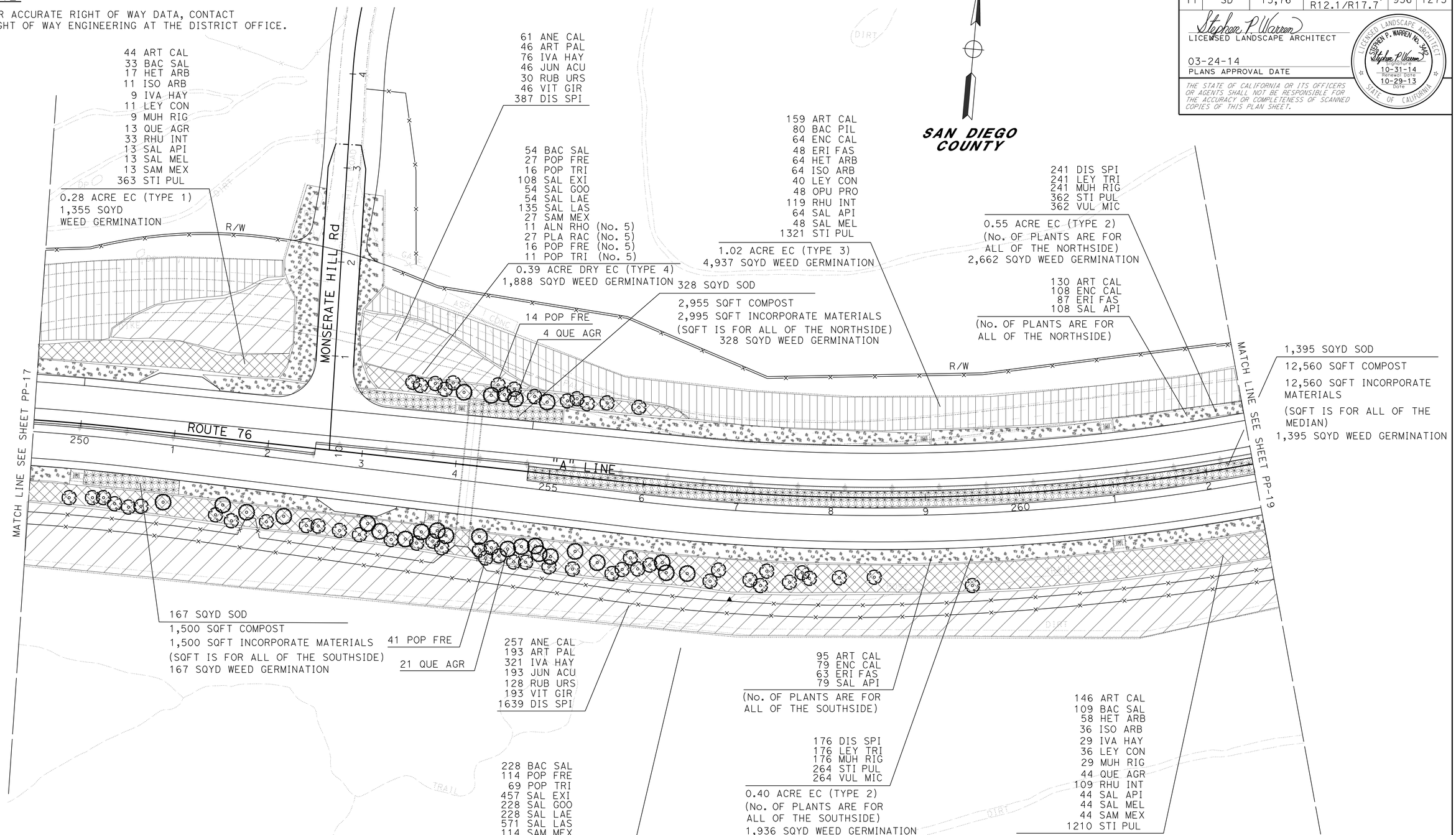

APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

PLANTING PLAN
PP-18

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ
CALCULATED-DESIGNED BY: STEPHEN P. WARREN
CHECKED BY: JOEL HORTIZUELA
REVISED BY
DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:51

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	937	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

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LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Signature
10-31-14
Renewal date
10-29-13
Date
STATE OF CALIFORNIA

NOTE:

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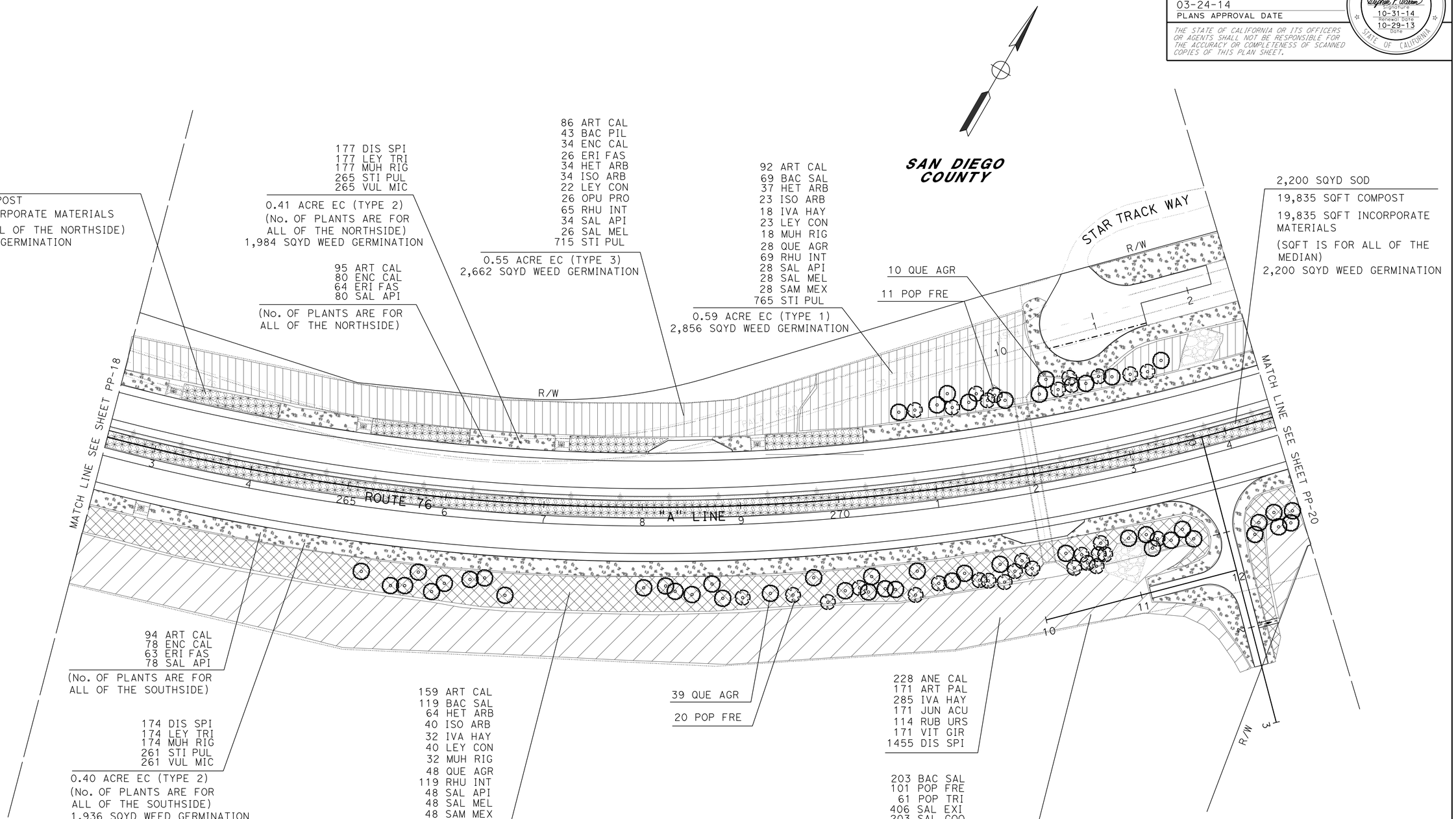

APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

PLANTING PLAN
PP-19

REVISED BY	DATE REVISED
STEPHEN P. WARREN	JOEL HORTIZUELA
CALCULATED-DESIGNED BY	CHECKED BY
SENIOR LANDSCAPE ARCHITECT	STEPHEN ALVAREZ

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

LAST REVISION 12-31-13 | DATE PLOTTED => 20-MAR-2014 | TIME PLOTTED => 15:51

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	938	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

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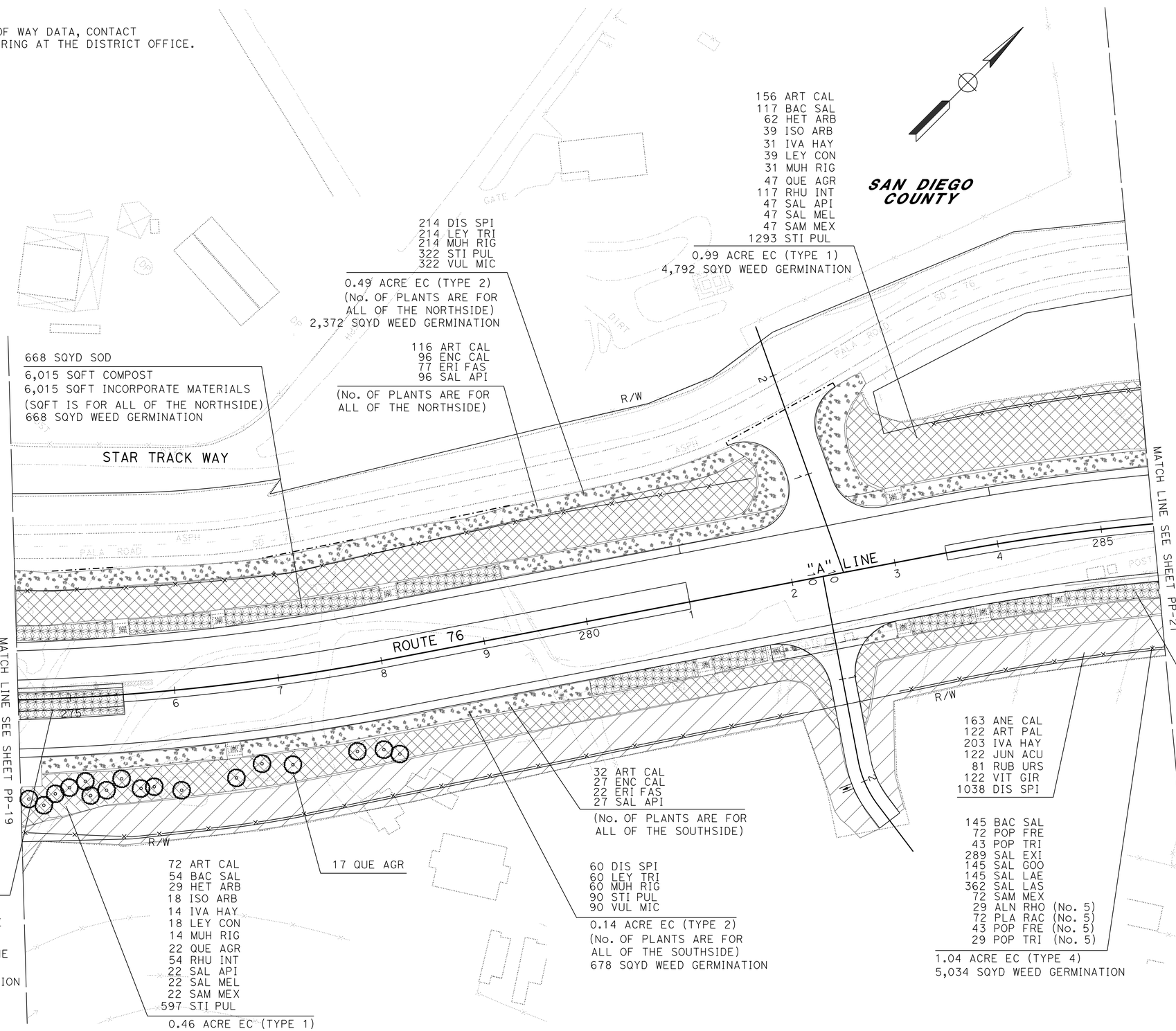
LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3425
Signature
10-31-14
Renewal Date
10-29-13
Date
STATE OF CALIFORNIA

NOTE:

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



APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

PLANTING PLAN
PP-20

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ
CALCULATED-DESIGNED BY: STEPHEN P. WARREN
CHECKED BY: JOEL HORTIZUELA
REVISED BY
DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:51

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	939	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Signature
10-31-14
Renewal Date
10-29-13
Date
STATE OF CALIFORNIA

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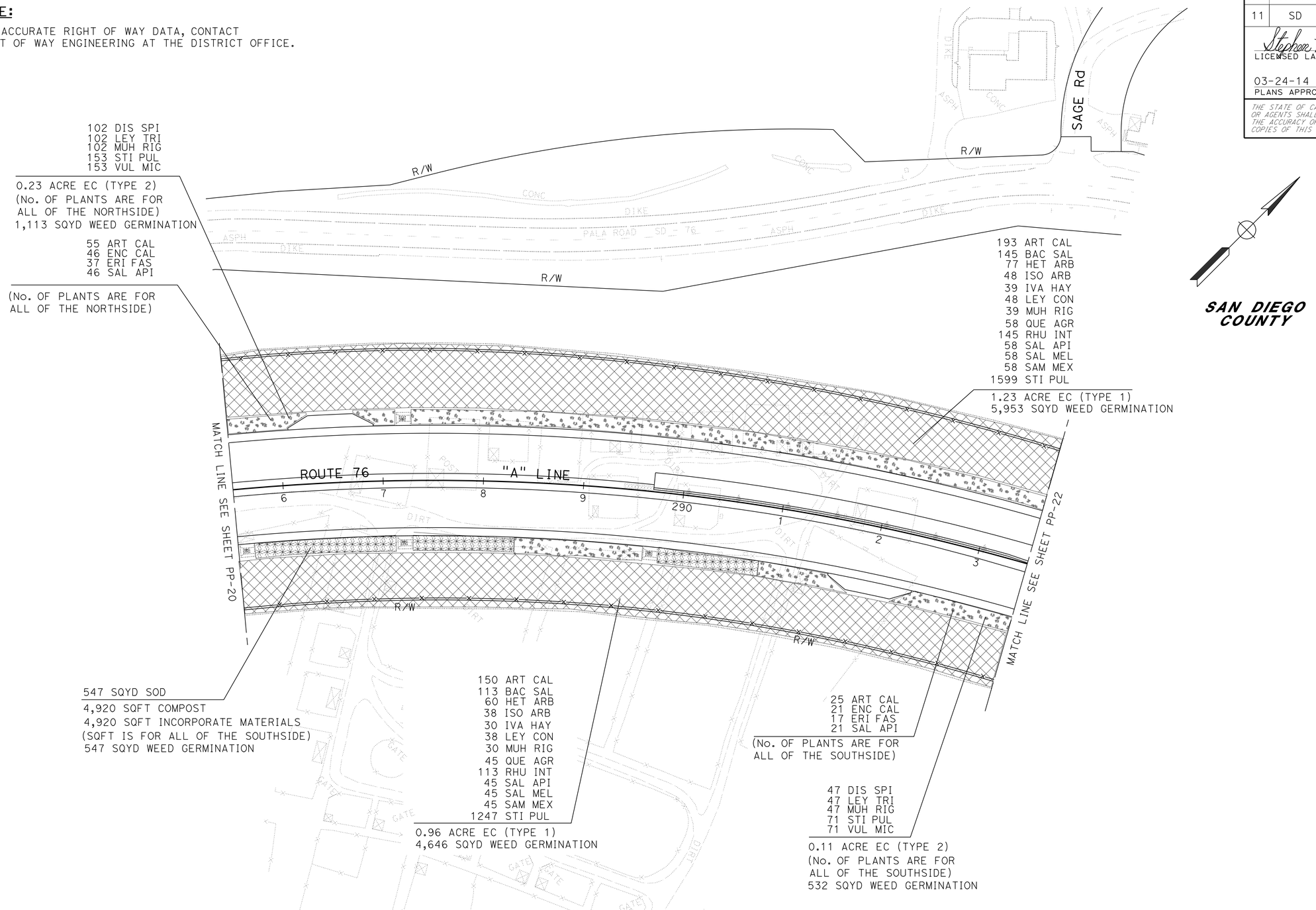

APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

PLANTING PLAN
PP-21

REVISED BY	DATE REVISED
STEPHEN P. WARREN	JOEL HORTIZUELA
CALCULATED-DESIGNED BY	CHECKED BY
SENIOR LANDSCAPE ARCHITECT	STEPHEN ALVAREZ

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

LAST REVISION 12-31-13
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:51

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	940	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Signature
10-31-14
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10-29-13
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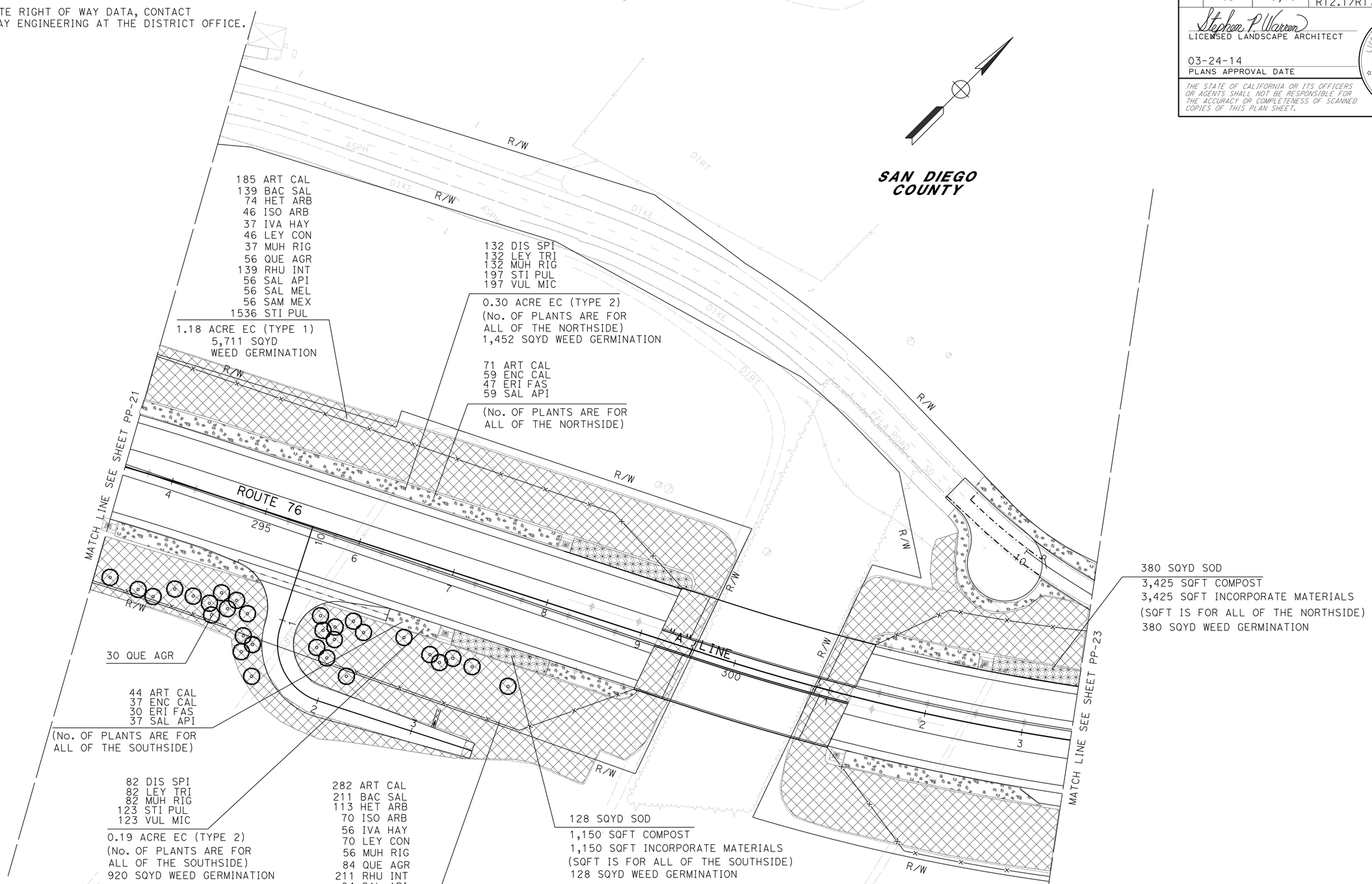

APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

PLANTING PLAN
PP-22

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ
CALCULATED-DESIGNED BY: STEPHEN P. WARREN
CHECKED BY: JOEL HORTIZUELA
REVISED BY
DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:51

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	941	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Signature
10-31-14
Renewal date
10-29-13
Date
STATE OF CALIFORNIA

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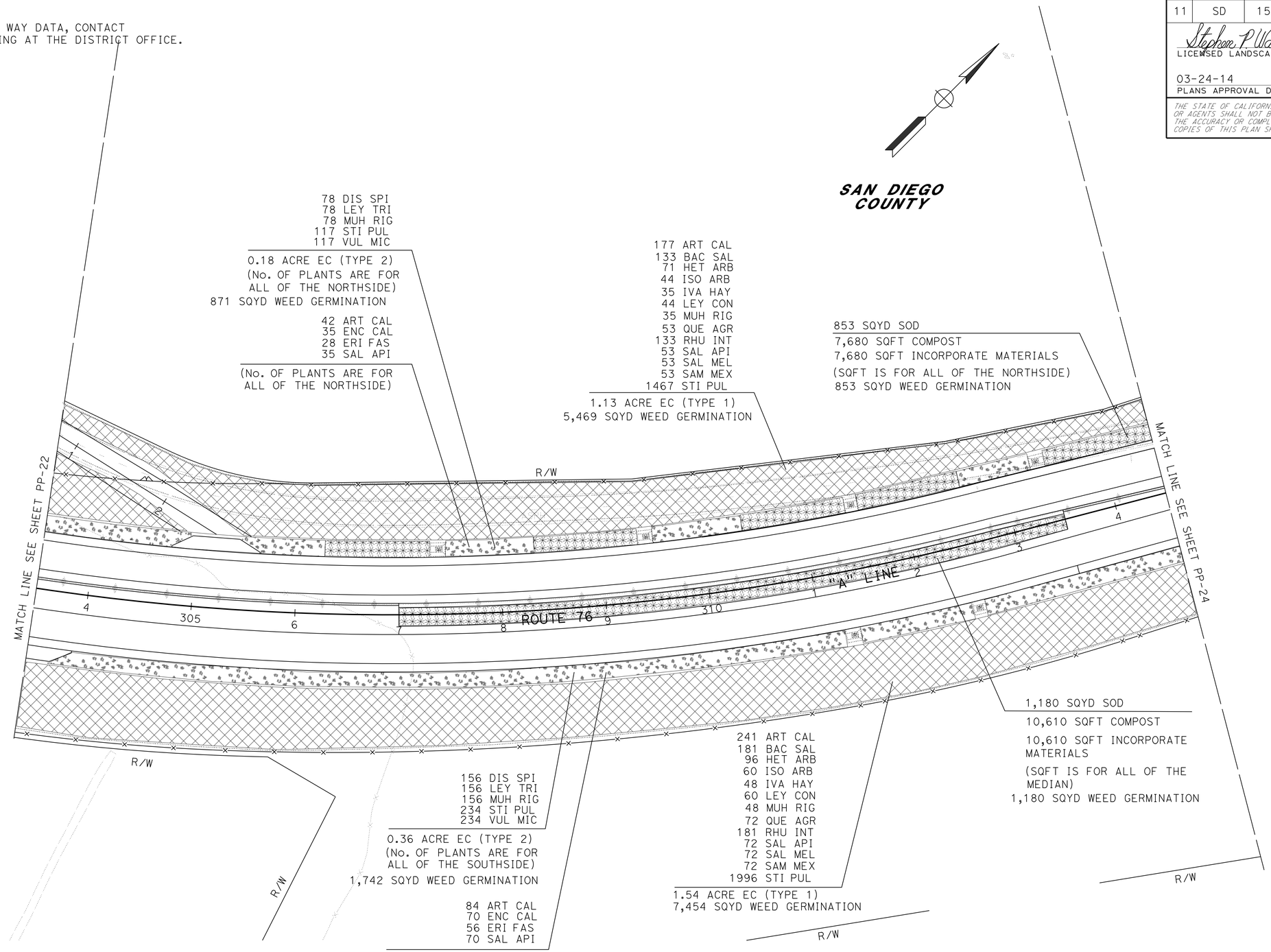

PLANTING PLAN

APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

PP-23

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ
CALCULATED-DESIGNED BY: STEPHEN P. WARREN
CHECKED BY: JOEL HORTIZUELA
REVISED BY
DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:51

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	942	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Stephen P. Warren
Signature
10-31-14
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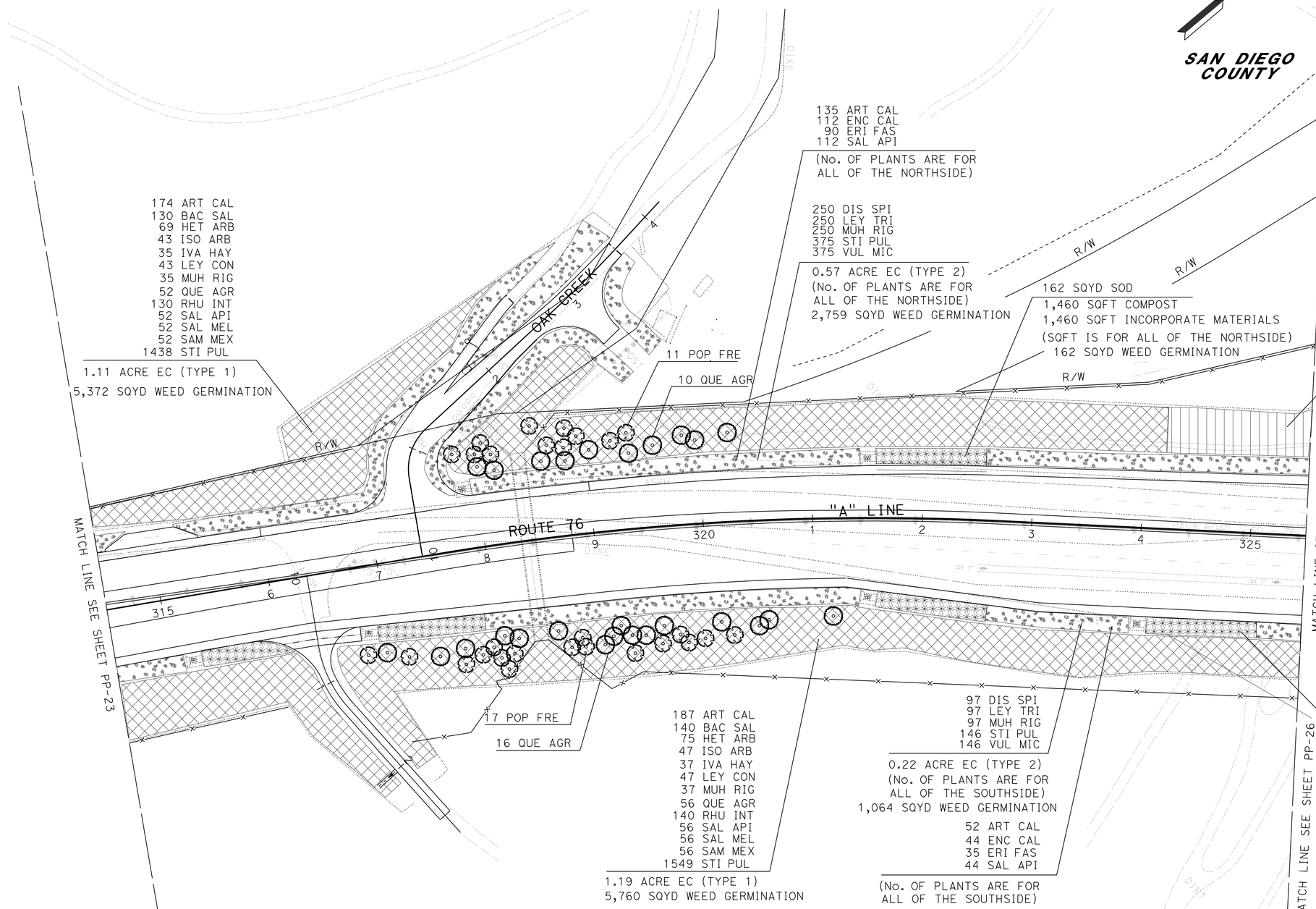

APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

PLANTING PLAN

PP-24

REVISED BY	DATE REVISED
STEPHEN P. WARREN	JOEL HORTIZUELA
CALCULATED-DESIGNED BY	CHECKED BY
SENIOR LANDSCAPE ARCHITECT	STEPHEN ALVAREZ

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

LAST REVISION 12-31-13
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:51

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	943	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Signature
10-31-14
Renewal Date
10-29-13
Date
STATE OF CALIFORNIA

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

NOTE:

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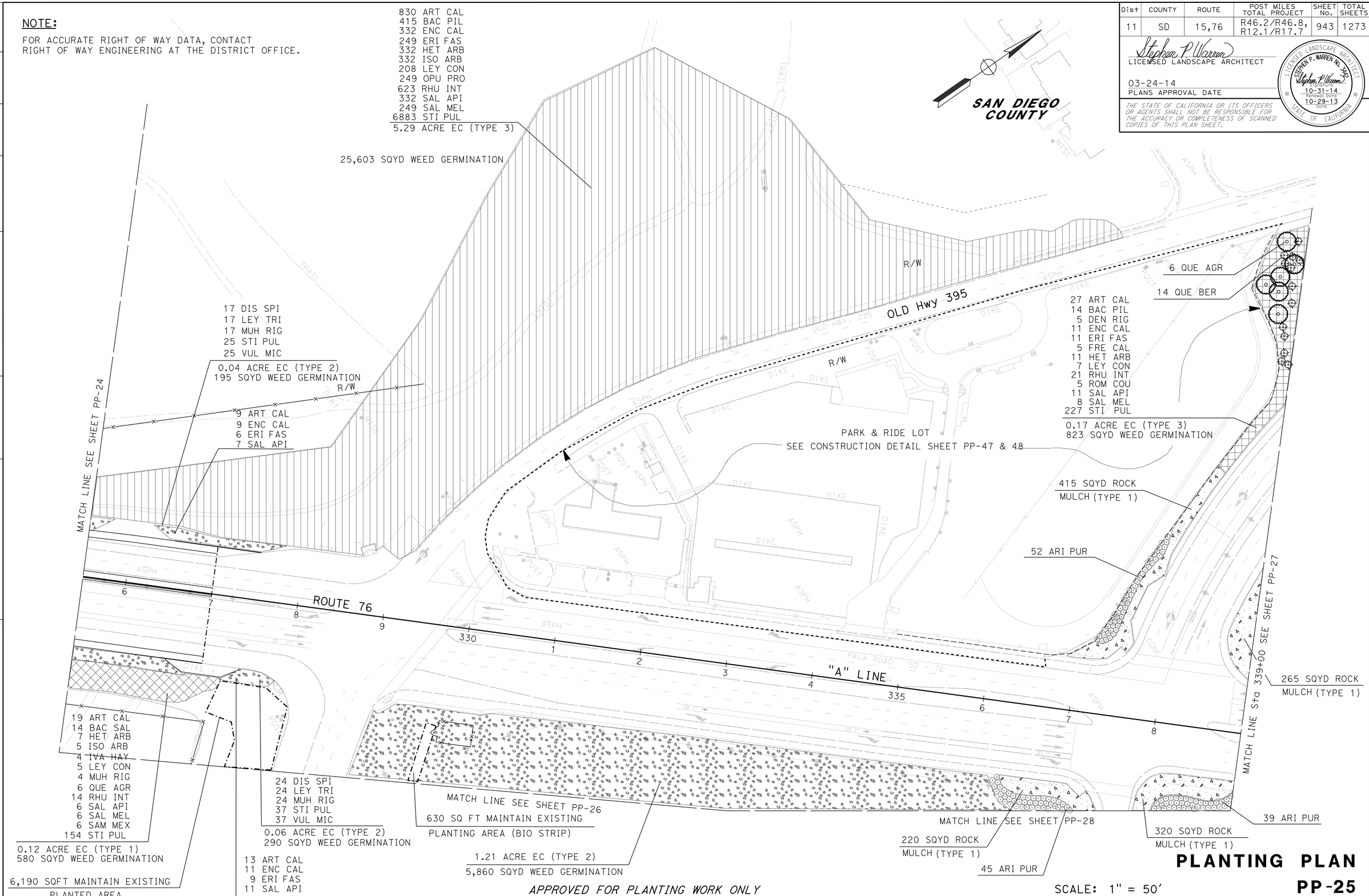

APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

PLANTING PLAN

PP-25

REVISED BY	DATE REVISED

STEPHEN P. WARREN — SENIOR LANDSCAPE ARCHITECT
JOEL HORTIZUELA — CALCULATED-DESIGNED BY
STEPHEN ALVAREZ — CHECKED BY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

LAST REVISION 12-31-13
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:51

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	944	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Stephen P. Warren
Signature
10-31-14
Renewal date
10-29-13
Date
STATE OF CALIFORNIA

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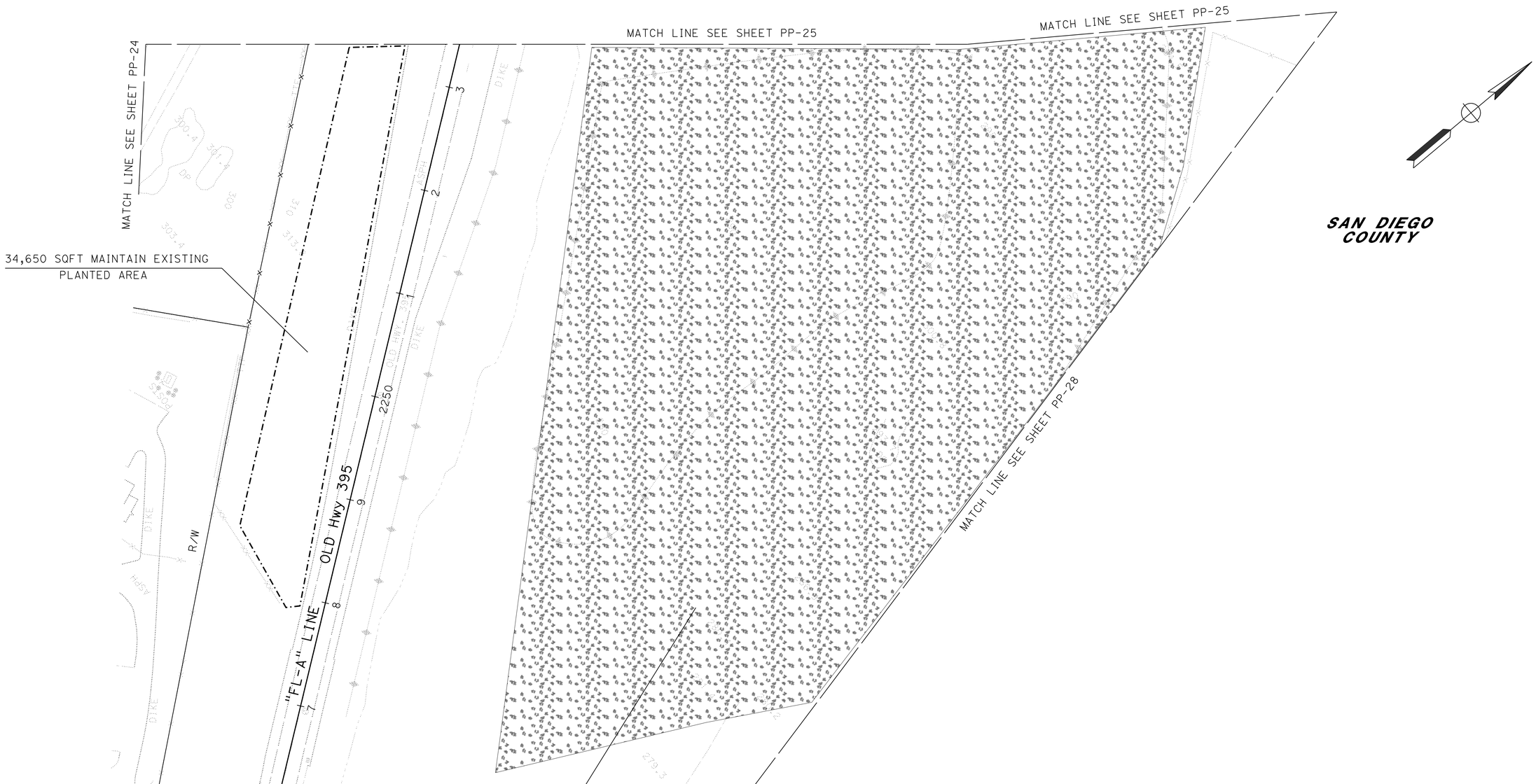

APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

PLANTING PLAN
PP-26

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ
CALCULATED-DESIGNED BY: JOEL HORTIZUELA
CHECKED BY: STEPHEN P. WARREN
REVISED BY
DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:51

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	945	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Stephen P. Warren
Signature
10-31-14
Renewal Date
10-29-13
Date
STATE OF CALIFORNIA

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

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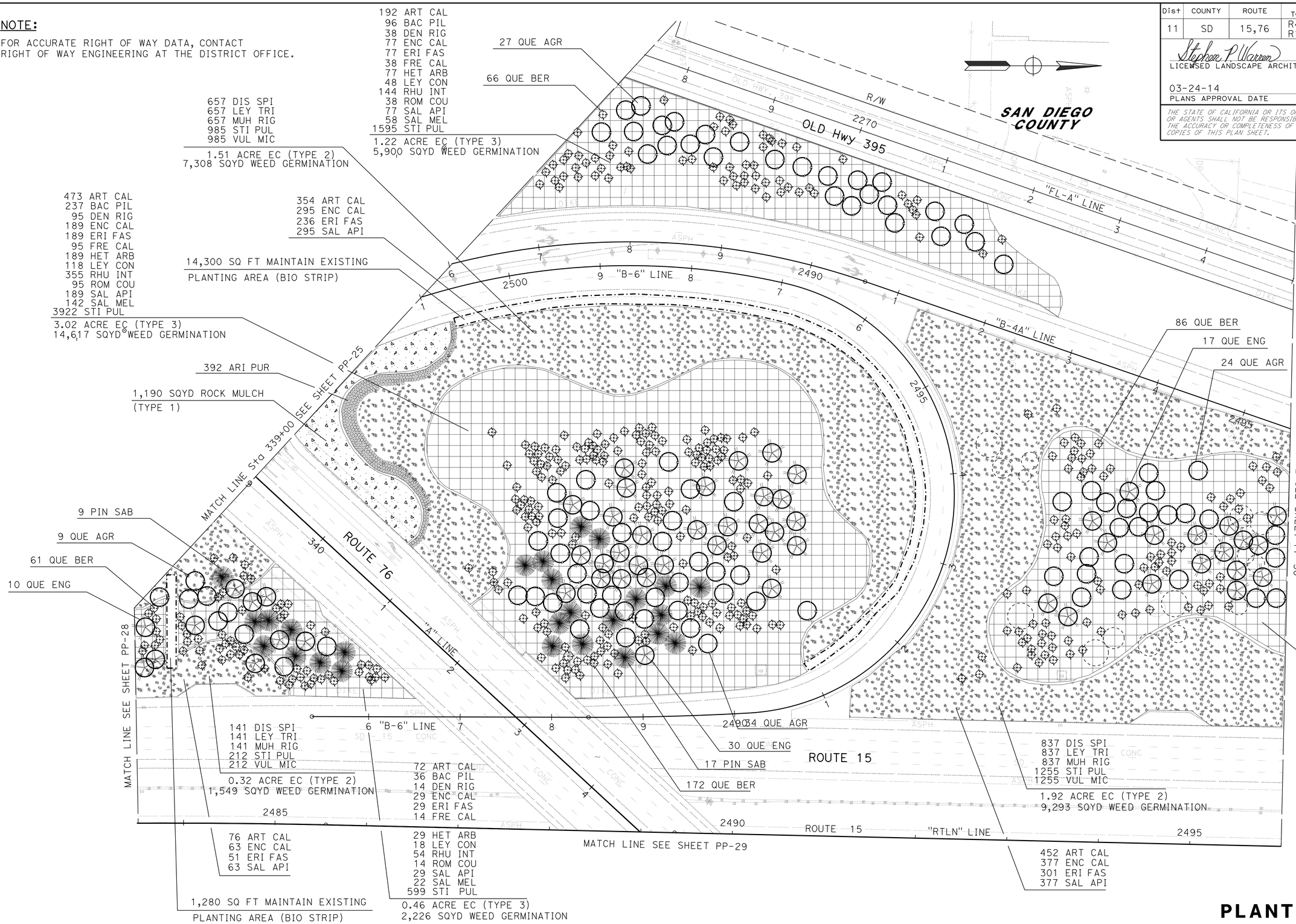

APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

PLANTING PLAN
PP-27

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ
CALCULATED-DESIGNED BY: STEPHEN P. WARREN
CHECKED BY: JOEL HORTIZUELA
REVISED BY
DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:51

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	946	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

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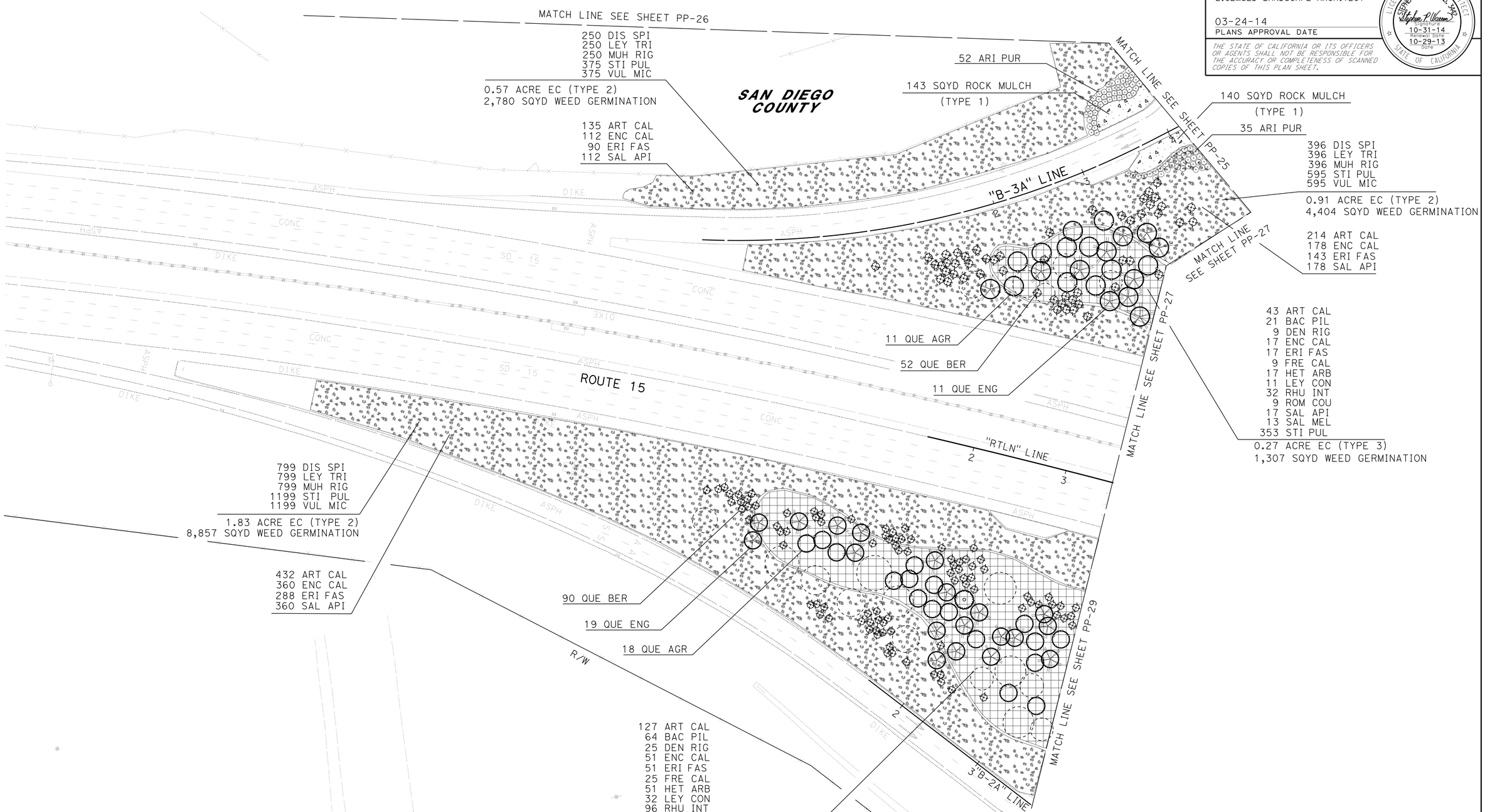
LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Signature
10-31-14
Renewal Date
10-29-13
Date
STATE OF CALIFORNIA

NOTE:

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



APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

PLANTING PLAN

PP-28

REVISED BY	DATE REVISED

STEPHEN P. WARREN — JOEL HORTIZUELA — CALCULATED-DESIGNED BY — CHECKED BY

SENIOR LANDSCAPE ARCHITECT — STEPHEN ALVAREZ

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

LAST REVISION 12-31-13 — DATE PLOTTED => 20-MAR-2014 — TIME PLOTTED => 15:52

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	947	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Stephen P. Warren
Signature
10-31-14
Renewal Date
10-29-13
Date
STATE OF CALIFORNIA

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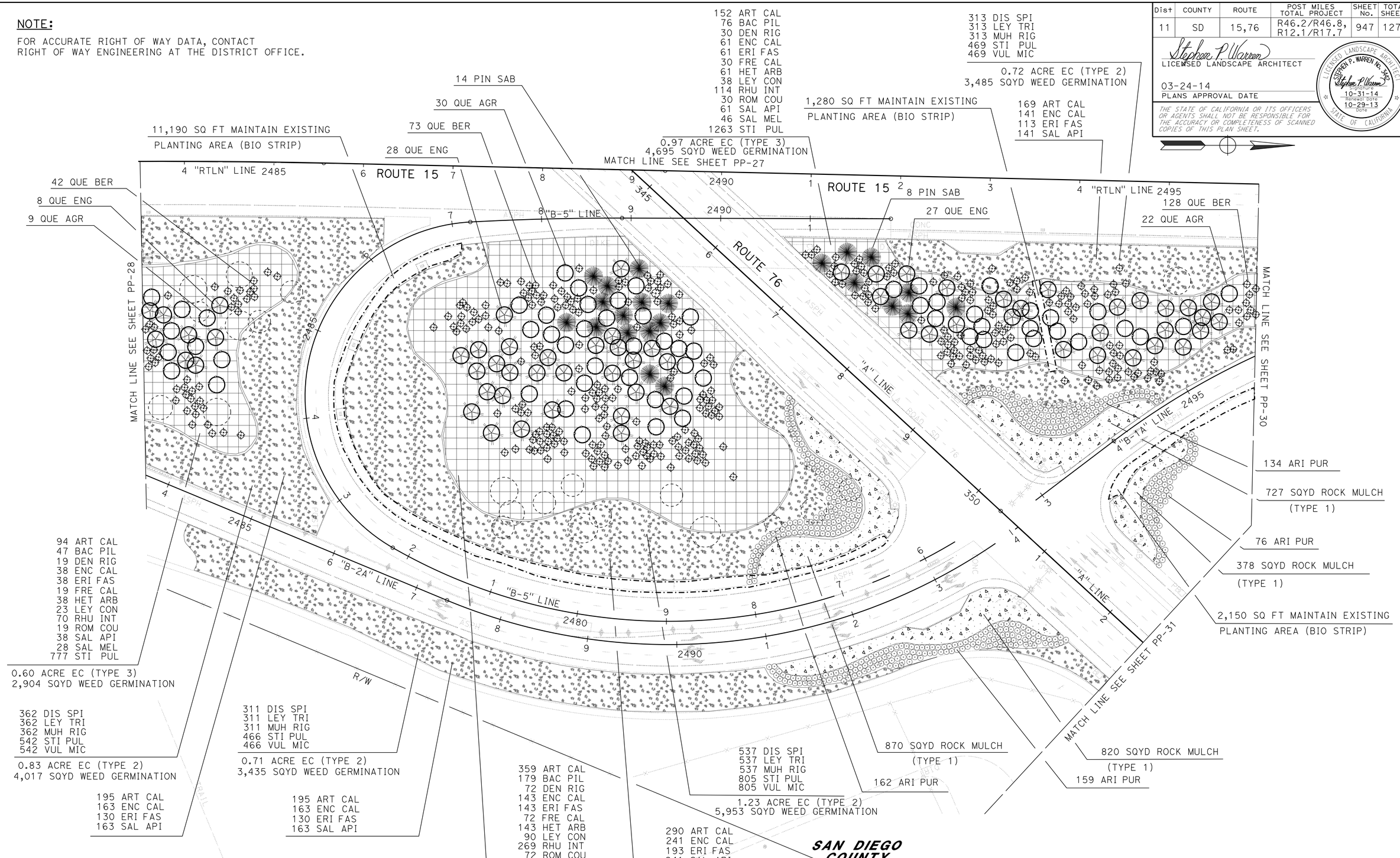

APPROVED FOR PLANTING WORK ONLY

PLANTING PLAN

SCALE: 1" = 50'

PP-29

REVISED BY	DATE REVISED

STEPHEN P. WARREN — JOEL HORTIZUELA — CALCULATED-DESIGNED BY — CHECKED BY

SENIOR LANDSCAPE ARCHITECT — STEPHEN ALVAREZ

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

LAST REVISION 12-31-13 — DATE PLOTTED => 20-MAR-2014 — TIME PLOTTED => 15:52

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	948	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Signature
10-31-14
Renewal Date
10-29-13
Date
STATE OF CALIFORNIA

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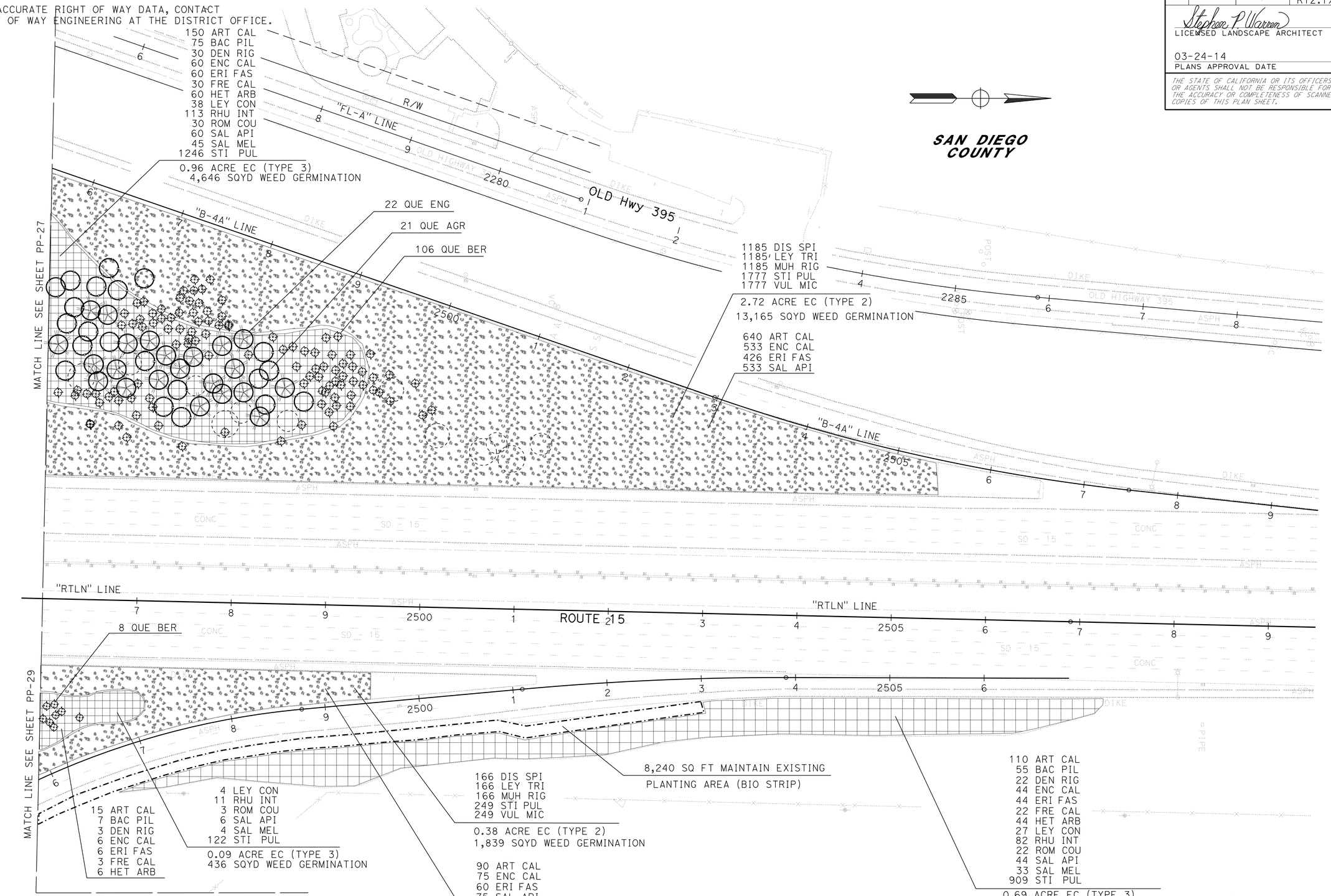

APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

PLANTING PLAN
PP-30

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ
CALCULATED-DESIGNED BY: STEPHEN P. WARREN
CHECKED BY: JOEL HORTIZUELA
REVISED BY / DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:52

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	949	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Signature
10-31-14
Renewal date
10-29-13
Date
STATE OF CALIFORNIA

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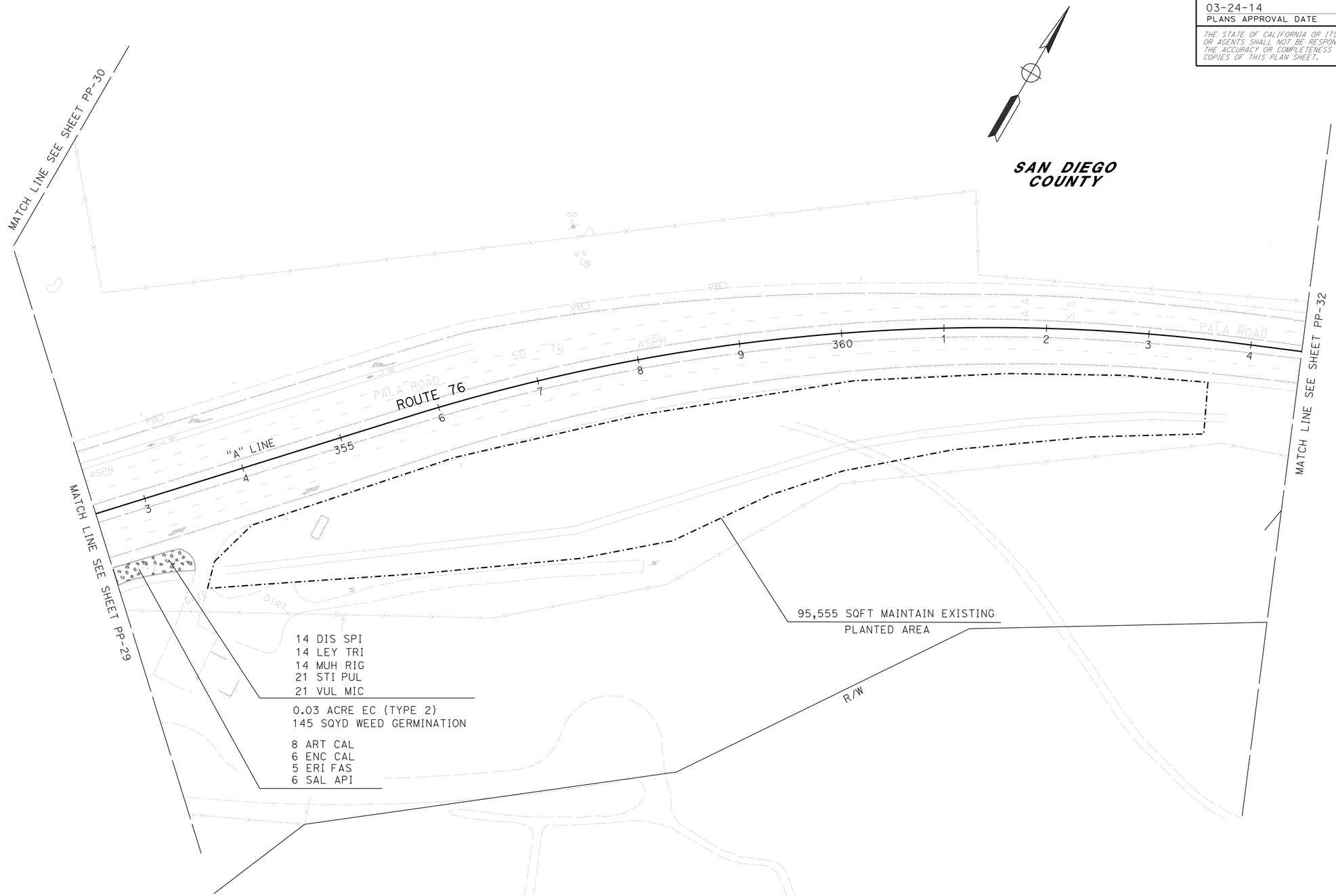

APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

PLANTING PLAN
PP-31

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ
CALCULATED-DESIGNED BY: STEPHEN P. WARREN
CHECKED BY: JOEL HORTIZUELA
REVISED BY
DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:52

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	950	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Signature
10-31-14
Renewal date
10-29-13
Date
STATE OF CALIFORNIA

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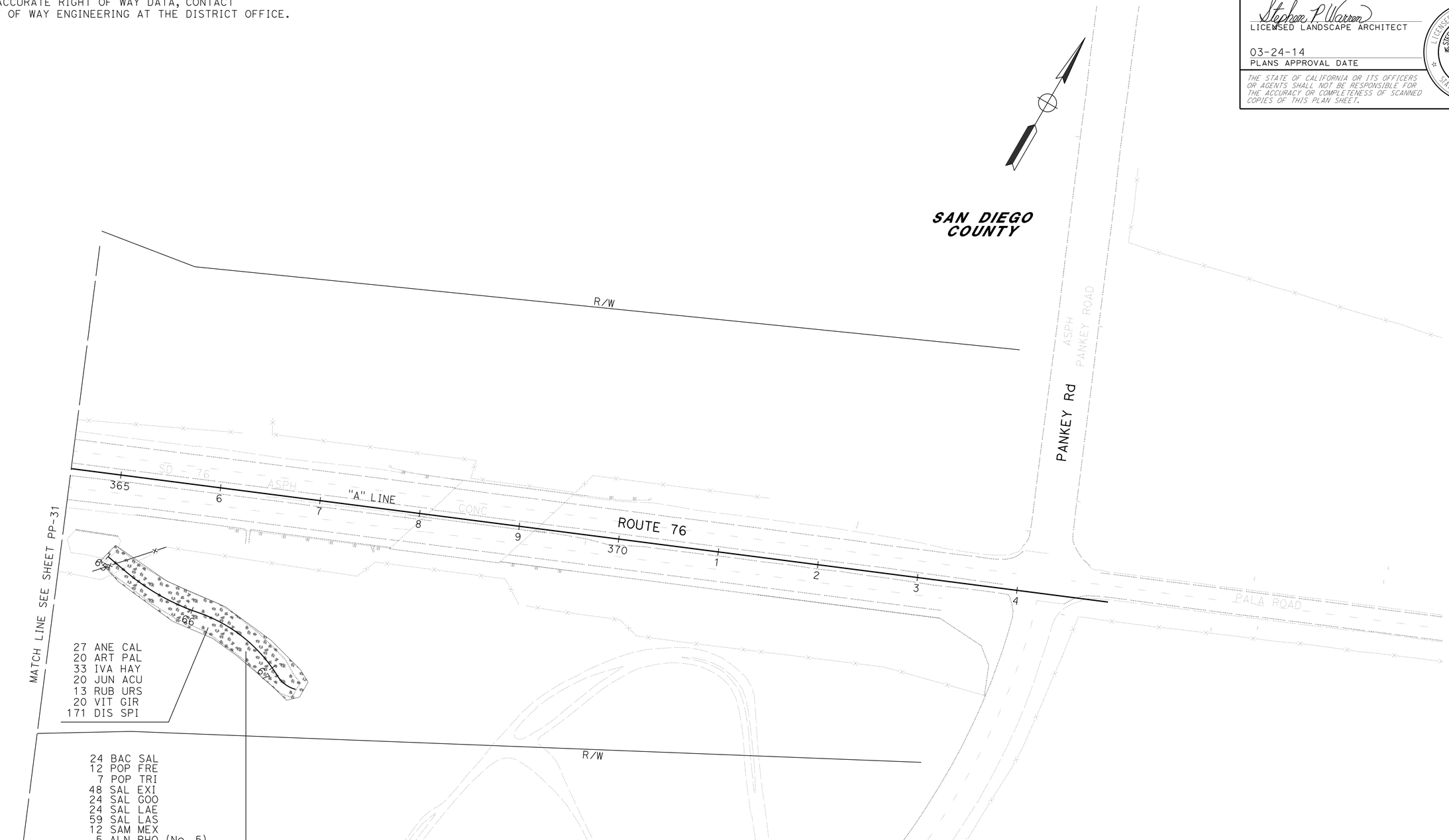

APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

PLANTING PLAN
PP-32

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ
CALCULATED-DESIGNED BY: STEPHEN P. WARREN
CHECKED BY: JOEL HORTIZUELA
REVISED BY
DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:52

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	951	1273

LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
HENRY D. BARNES No. 5055
LICENSE EXPIRATION DATE 12/31/15
REVIEWED BY 10/30/13 DATE
STATE OF CALIFORNIA

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

NOTE:
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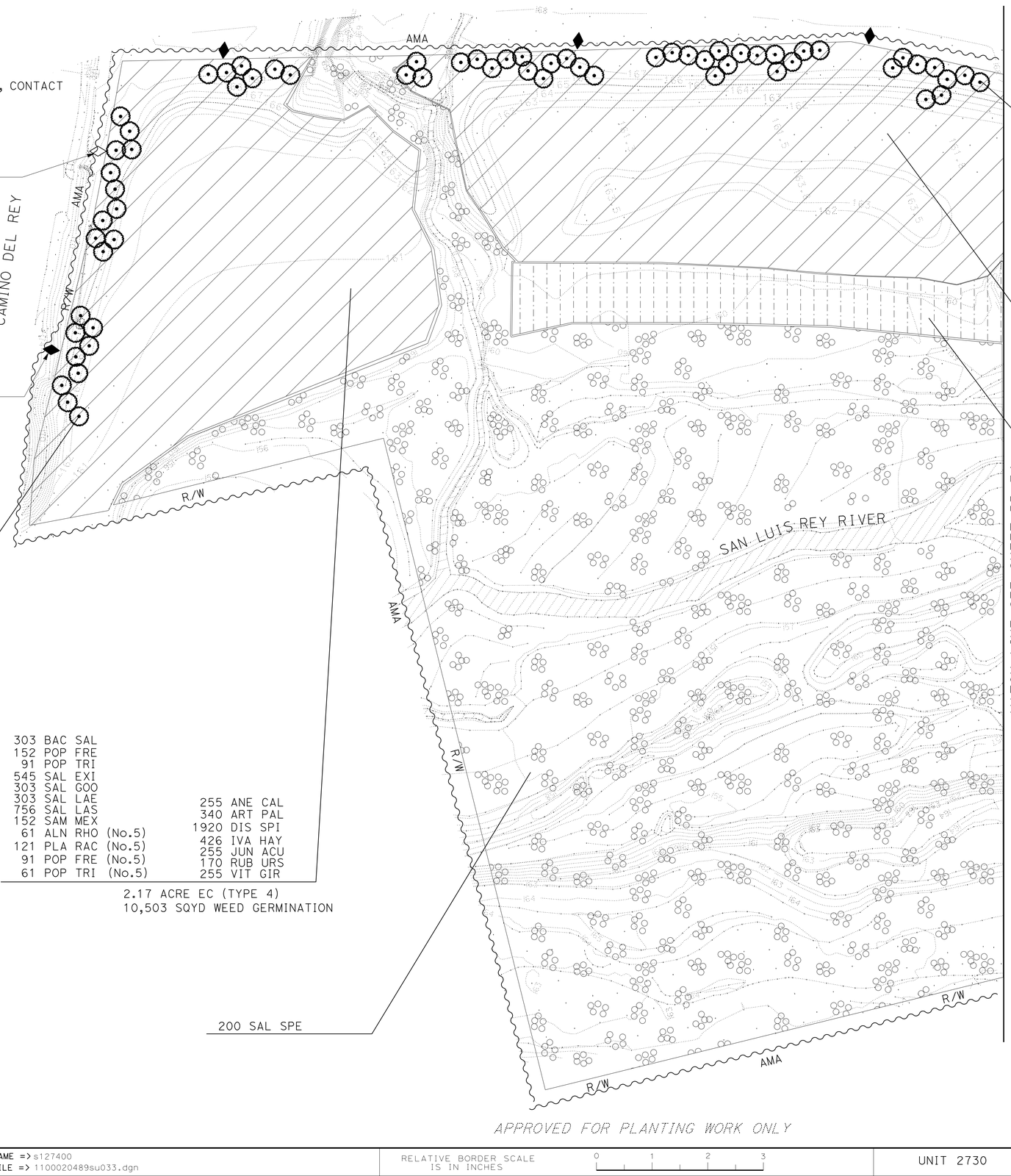


HABITAT RESTORATION SIGN AND NO TRESPASSING SIGN (Typ)

HABITAT RESTORATION SIGN (Typ)

37 QUE AGR

306 BAC SAL
153 POP FRE
92 POP TRI
551 SAL EXI
306 SAL GOO
306 SAL LAE
766 SAL LAS
153 SAM MEX
61 ALN RHO (No.5)
122 PLA RAC (No.5)
92 POP FRE (No.5)
61 POP TRI (No.5)

258 ANE CAL
344 ART PAL
2240 DIS SPI
430 IVA HAY
258 JUN ACU
172 RUB URS
258 VIT GIR

2.20 ACRE EC (TYPE 4)
10,648 SQYD WEED GERMINATION

27 QUE AGR

52 BAC SAL
65 IVA HAY
65 JUN ACU
52 SAL EXI
26 SAL LAS

2,532 SQYD WEED GERMINATION

303 BAC SAL
152 POP FRE
91 POP TRI
545 SAL EXI
303 SAL GOO
303 SAL LAE
756 SAL LAS
152 SAM MEX
61 ALN RHO (No.5)
121 PLA RAC (No.5)
91 POP FRE (No.5)
61 POP TRI (No.5)

255 ANE CAL
340 ART PAL
1920 DIS SPI
426 IVA HAY
255 JUN ACU
170 RUB URS
255 VIT GIR

2.17 ACRE EC (TYPE 4)
10,503 SQYD WEED GERMINATION

200 SAL SPE

APPROVED FOR PLANTING WORK ONLY

PLANTING PLAN
(TABATA MITIGATION)

SCALE: 1"=50'

PP-33

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
ENVIRONMENTAL

SENIOR ENVIRONMENTAL PLANNER: KIM SMITH
CALCULATED-DESIGNED BY: HENRY BARNES
CHECKED BY: MIKE CONNELLY
REVISED BY
DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:52

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	952	1273

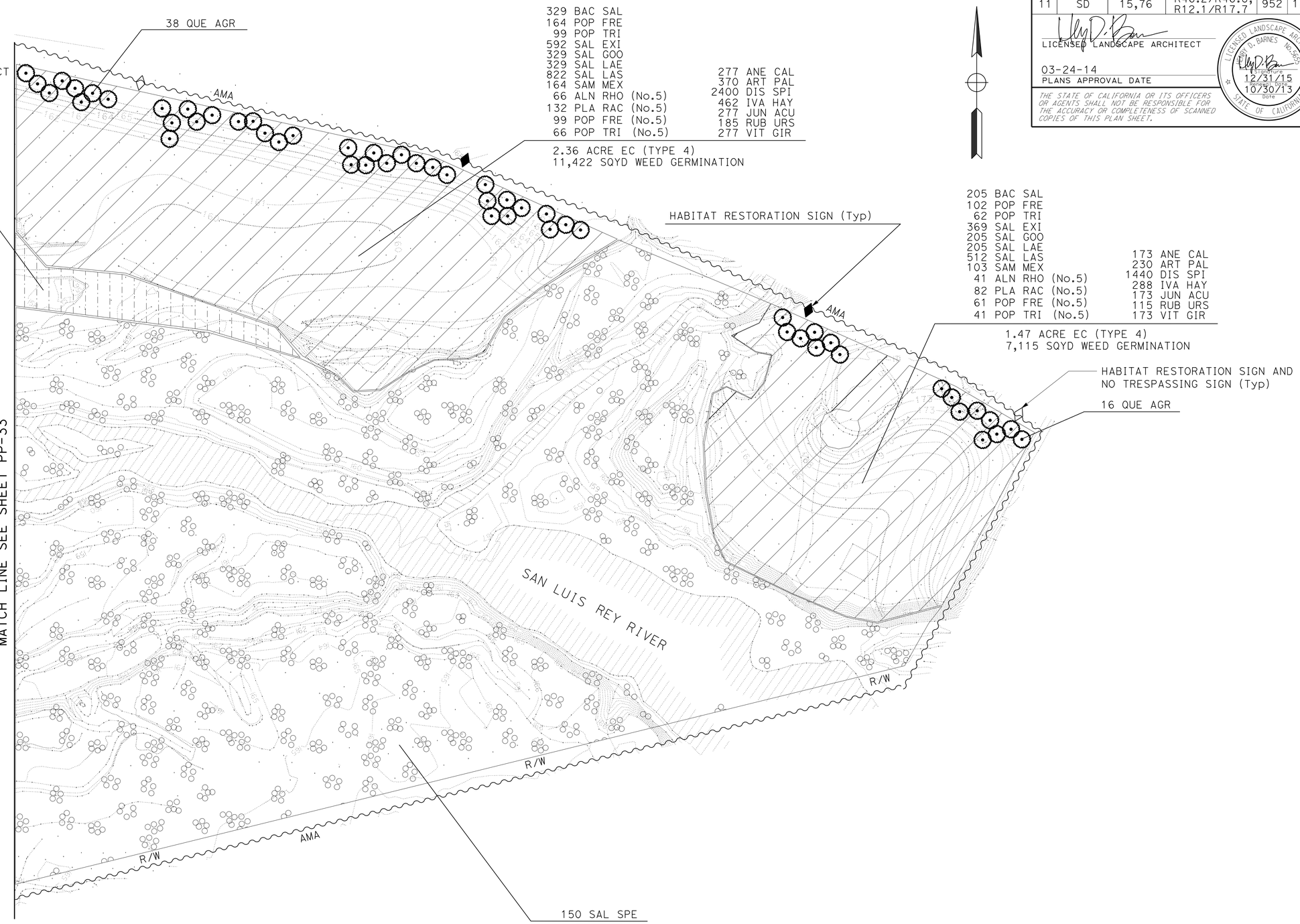
LICENSED LANDSCAPE ARCHITECT

03-24-14
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
HENRY D. BARNES No. 5055
Expiration Date 12/31/15
Renewal Date 10/30/13
Date
STATE OF CALIFORNIA

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



PLANTING PLAN
(TABATA MITIGATION)

SCALE: 1"=50'

PP-34

APPROVED FOR PLANTING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
ENVIRONMENTAL

SENIOR ENVIRONMENTAL PLANNER: KIM SMITH
CALCULATED-DESIGNED BY: HENRY BARNES
CHECKED BY: MIKE CONNELLY
REVISED BY
DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:52

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	953	1273

LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT EDWARD E. THURSTON No. 2518 STATE OF CALIFORNIA
LICENSE NO.
03-31-16
RENEWAL DATE
10-29-13
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:
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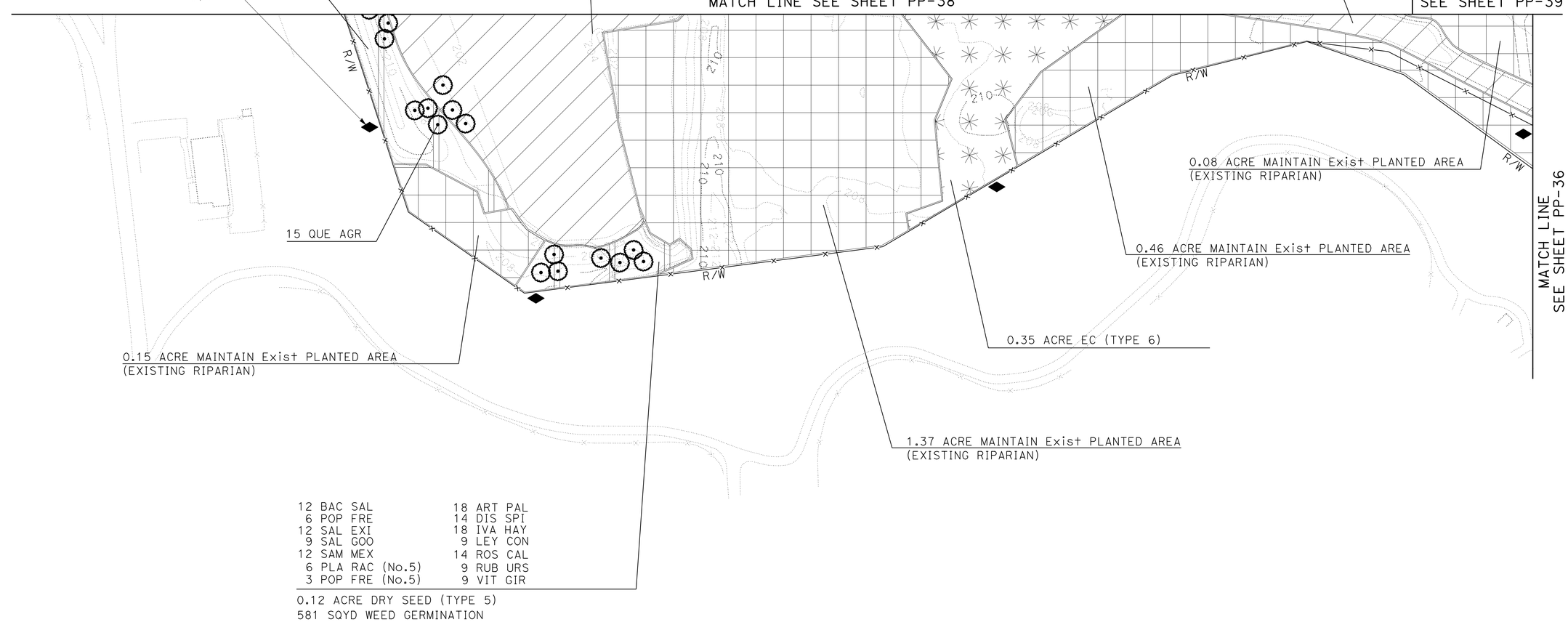

APPROVED FOR PLANTING WORK ONLY

PLANTING PLAN
(VESSELS MITIGATION)

SCALE: 1"=50'

PP-35

REVISED BY	DATE REVISED
EDWARD THURSTON	
MIKE CONNELLY	
CALCULATED-DESIGNED BY	CHECKED BY
KIM SMITH	
SENIOR ENVIRONMENTAL PLANNER	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
ENVIRONMENTAL

LAST REVISION 12-31-13
DATE PLOTTED => 24-MAR-2014
TIME PLOTTED => 15:24

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	954	1273

LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

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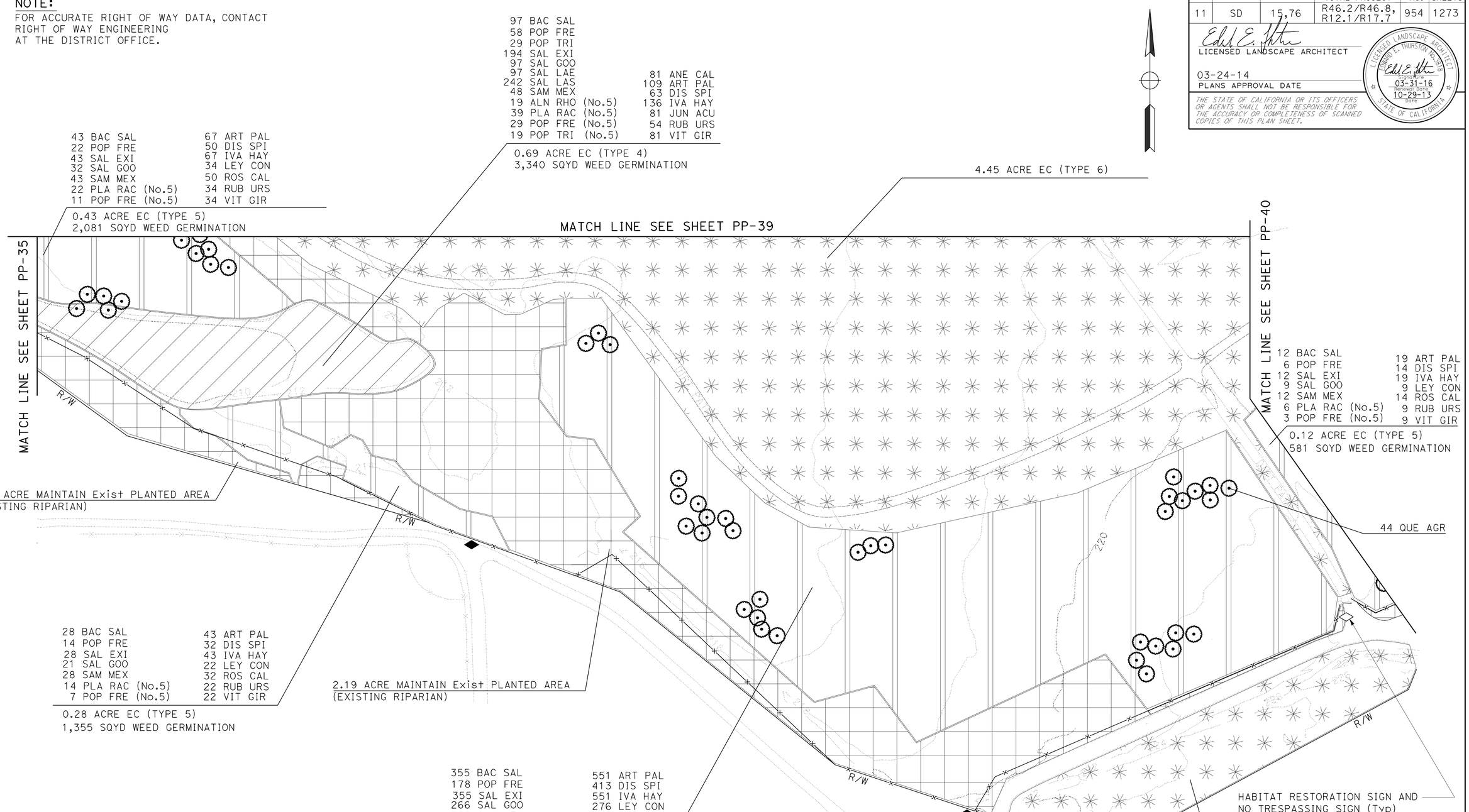
LICENSED LANDSCAPE ARCHITECT
EDWARD E. THURSTON No. 2918
Expiration date 03-31-16
Renewal date 10-29-13
Date
STATE OF CALIFORNIA

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



PLANTING PLAN
(VESSELS MITIGATION)

SCALE: 1"=50'

PP-36

APPROVED FOR PLANTING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
ENVIRONMENTAL

SENIOR ENVIRONMENTAL PLANNER: KIM SMITH
CALCULATED-DESIGNED BY: EDWARD THURSTON
CHECKED BY: MIKE CONNELLY
REVISED BY
DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 24-MAR-2014
TIME PLOTTED => 15:24

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	955	1273

LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

EDWARD E. THURSTON No. 2518 LICENSED LANDSCAPE ARCHITECT STATE OF CALIFORNIA
Expiration Date 03-31-16
Renewal Date 10-29-13
Date

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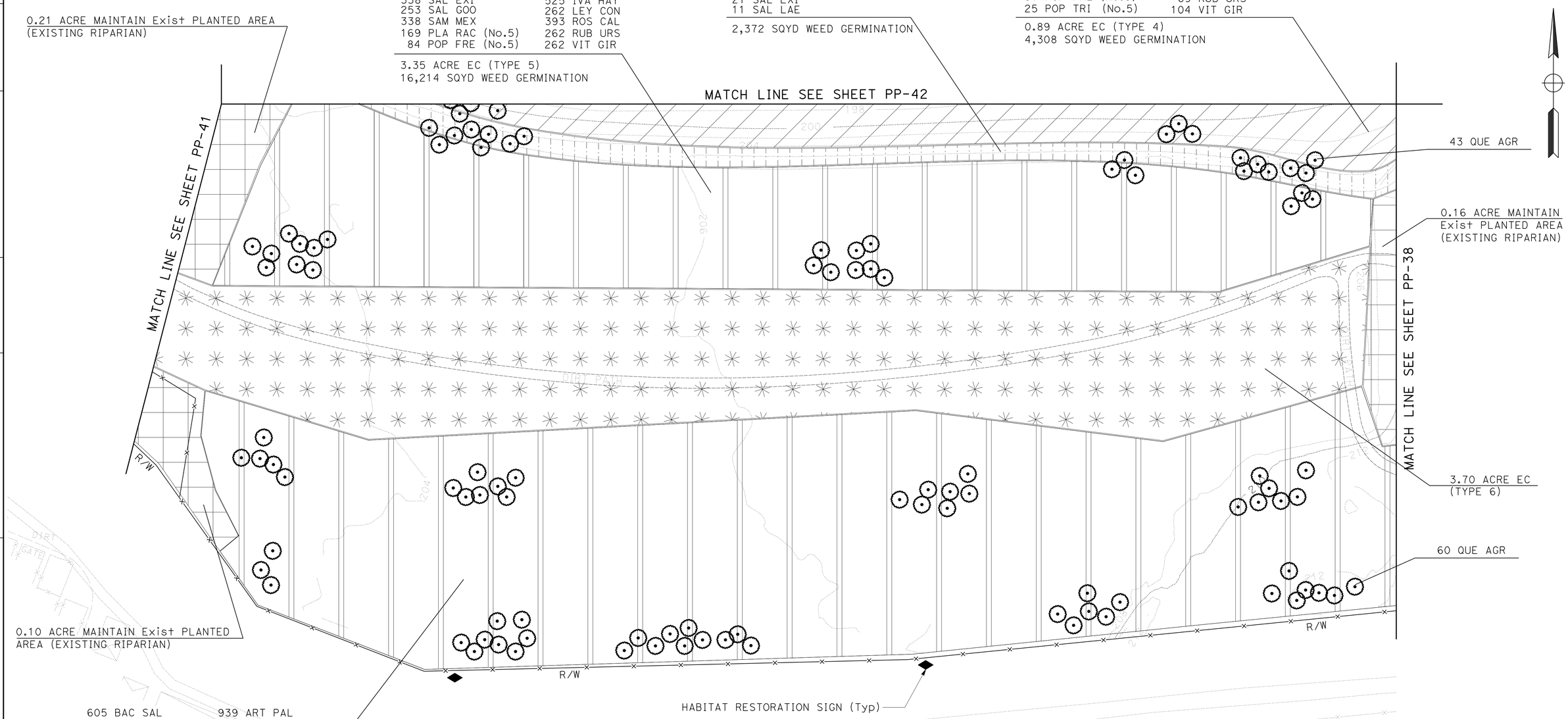

PLANTING PLAN
(VESSELS MITIGATION)

SCALE: 1"=50'

PP-37

APPROVED FOR PLANTING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans ENVIRONMENTAL

SENIOR ENVIRONMENTAL PLANNER: KIM SMITH
CALCULATED-DESIGNED BY: EDWARD THURSTON
CHECKED BY: MIKE CONNELLY
REVISED BY
DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 24-MAR-2014
TIME PLOTTED => 15:24

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	956	1273

LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT EDWARD E. THURSTON No. 2518 STATE OF CALIFORNIA
LICENSE EXPIRATION DATE 03-31-16
RENEWAL DATE 10-29-13
DATE

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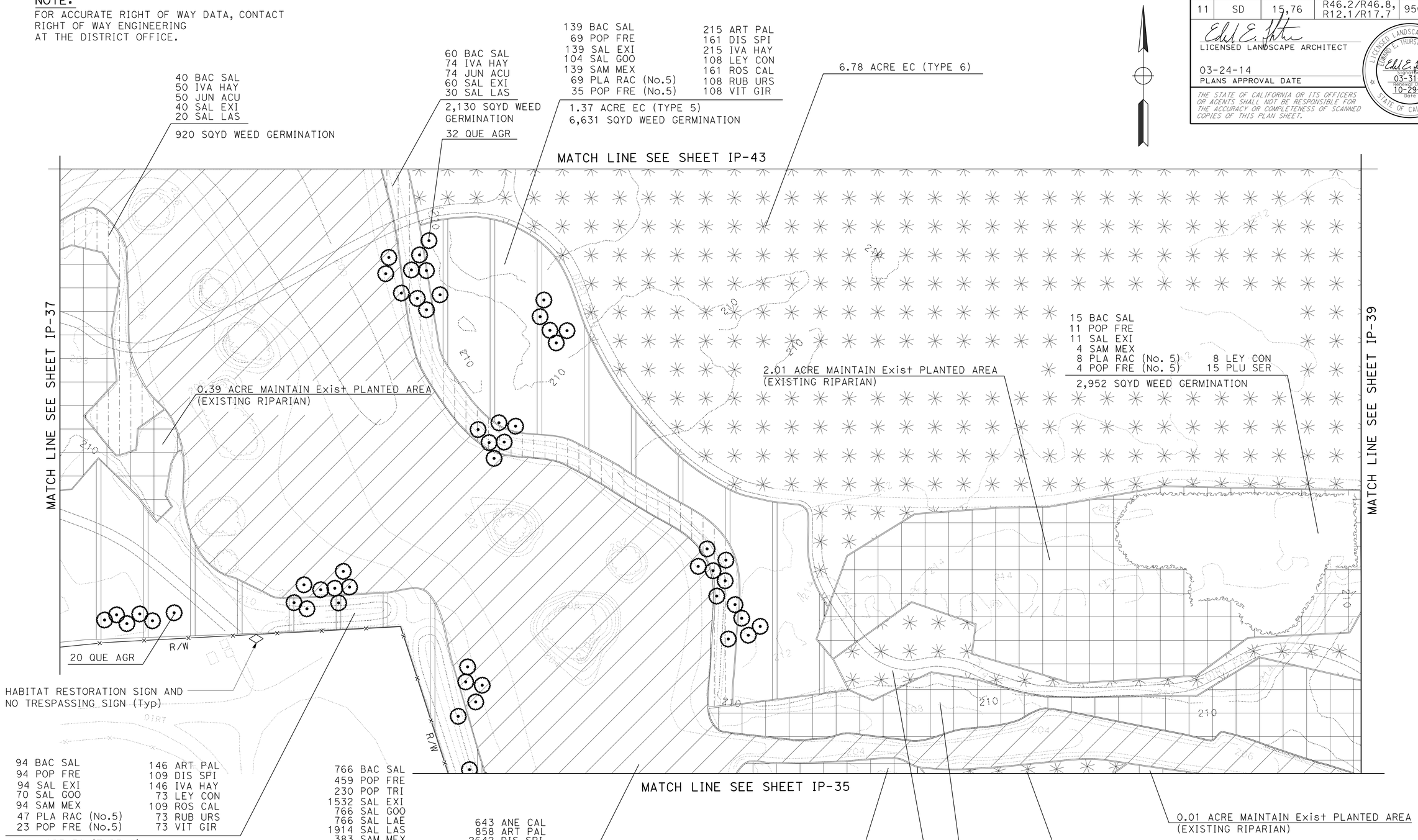


APPROVED FOR PLANTING WORK ONLY

PLANTING PLAN
(VESSELS MITIGATION)

SCALE: 1"=50'

PP-38

REVISED BY	DATE REVISED
EDWARD THURSTON	
MIKE CONNELLY	
CALCULATED-DESIGNED BY	
CHECKED BY	
SENIOR ENVIRONMENTAL PLANNER	
KIM SMITH	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
ENVIRONMENTAL

LAST REVISION 12-31-13
DATE PLOTTED => 24-MAR-2014
TIME PLOTTED => 15:24

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	957	1273

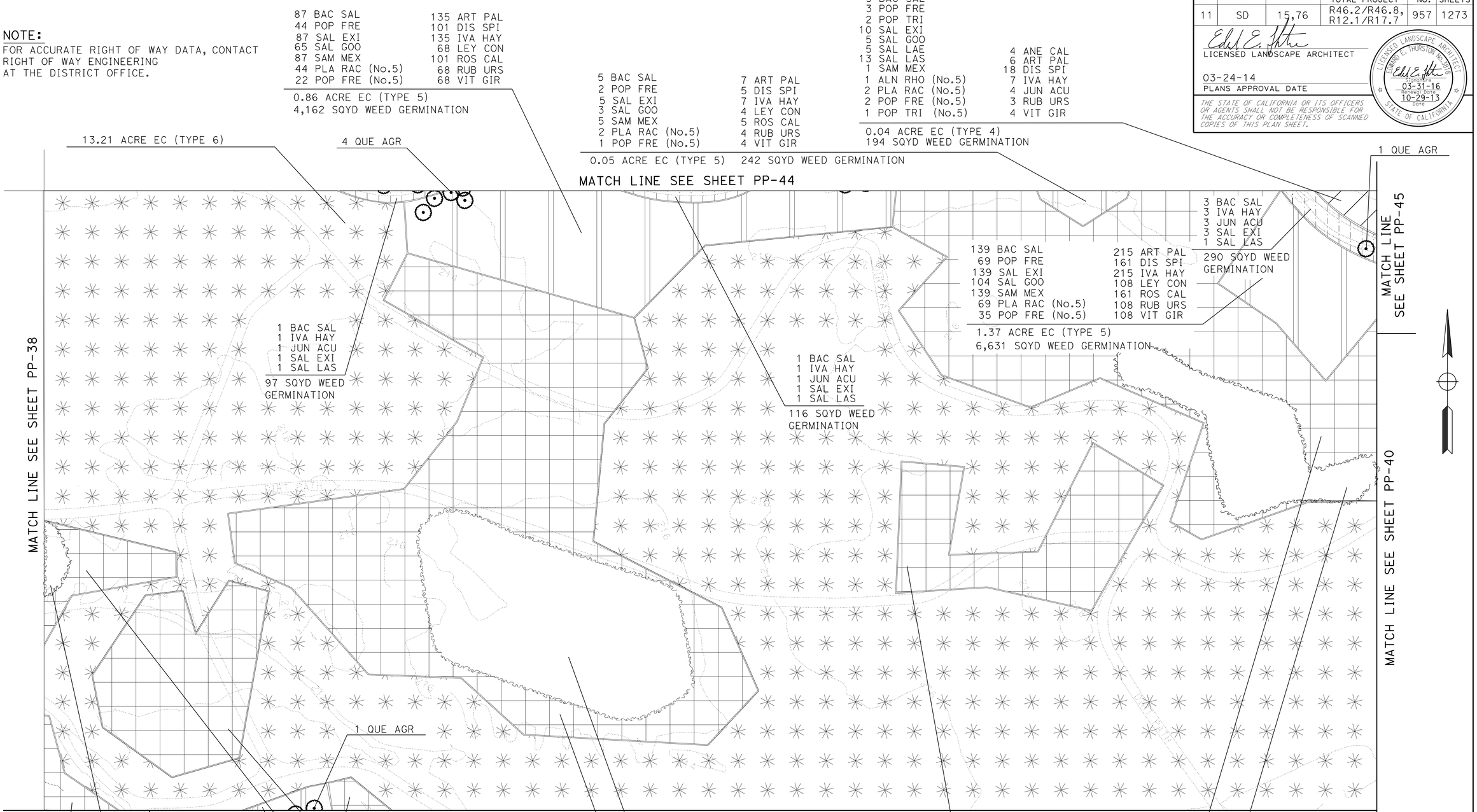
LICENSED LANDSCAPE ARCHITECT

03-24-14
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 EDWARD E. THURSTON No. 3918 STATE OF CALIFORNIA
EXPIRATION DATE 03-31-16
RENEWAL DATE 10-29-13
DATE

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



APPROVED FOR PLANTING WORK ONLY

PLANTING PLAN
(VESSELS MITIGATION)

SCALE: 1"=50'

PP-39

REVISED BY	DATE REVISED
EDWARD THURSTON	
MIKE CONNELLY	
CALCULATED-DESIGNED BY	
CHECKED BY	
SENIOR ENVIRONMENTAL PLANNER	
KIM SMITH	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
ENVIRONMENTAL

LAST REVISION 12-31-13
DATE PLOTTED => 24-MAR-2014
TIME PLOTTED => 15:24

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	958	1273

LICENSED LANDSCAPE ARCHITECT

03-24-14
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
EDWARD E. THURSTON No. 2518
Expiration Date 03-31-16
Renewal Date 10-29-13
DATE
STATE OF CALIFORNIA

NOTE:
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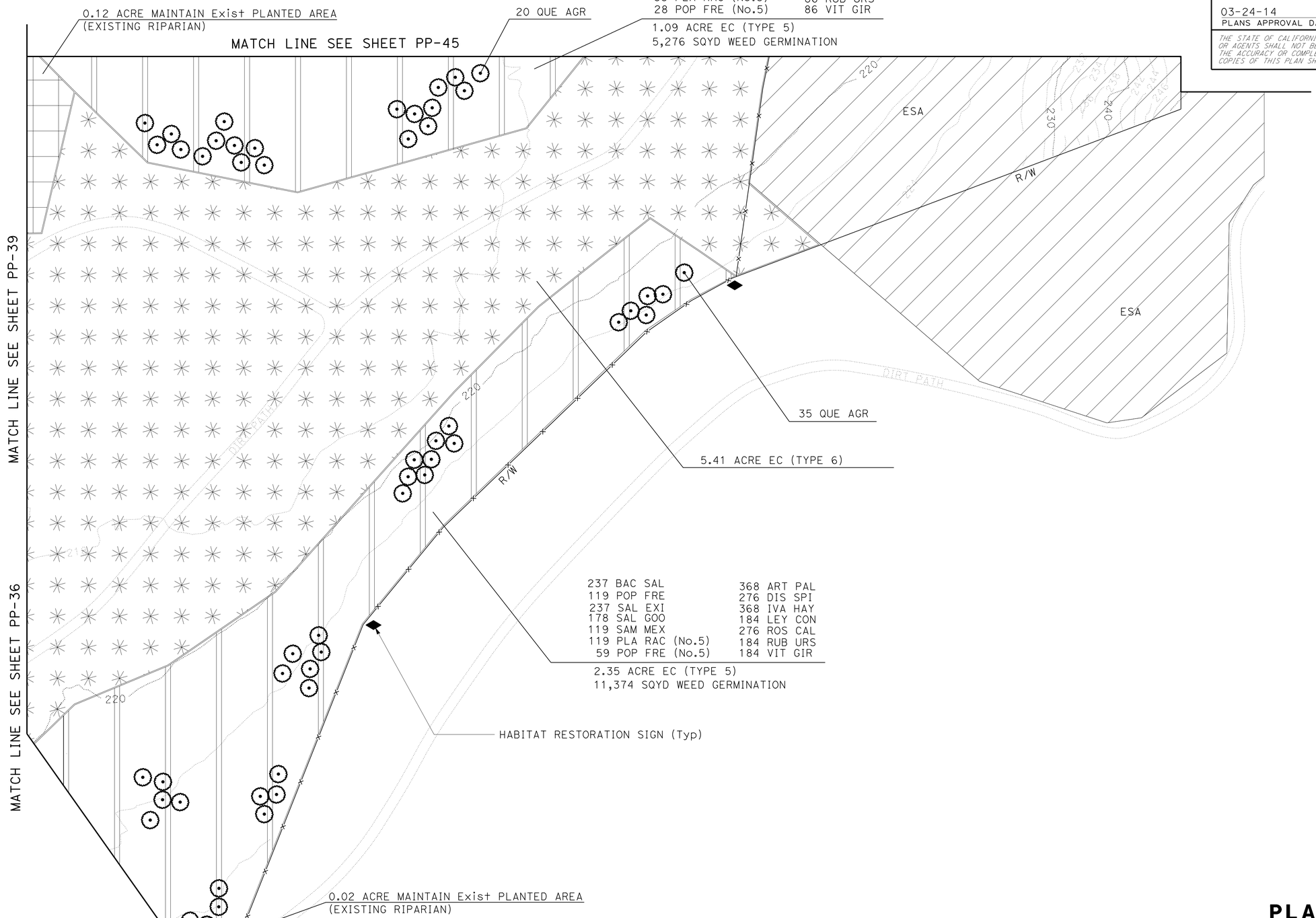

APPROVED FOR PLANTING WORK ONLY

PLANTING PLAN
(VESSELS MITIGATION)

SCALE: 1"=50'

PP-40

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
ENVIRONMENTAL

SENIOR ENVIRONMENTAL PLANNER: KIM SMITH
CALCULATED-DESIGNED BY: EDWARD THURSTON
CHECKED BY: MIKE CONNELLY
REVISED BY
DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 24-MAR-2014
TIME PLOTTED => 15:24

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	959	1273

LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

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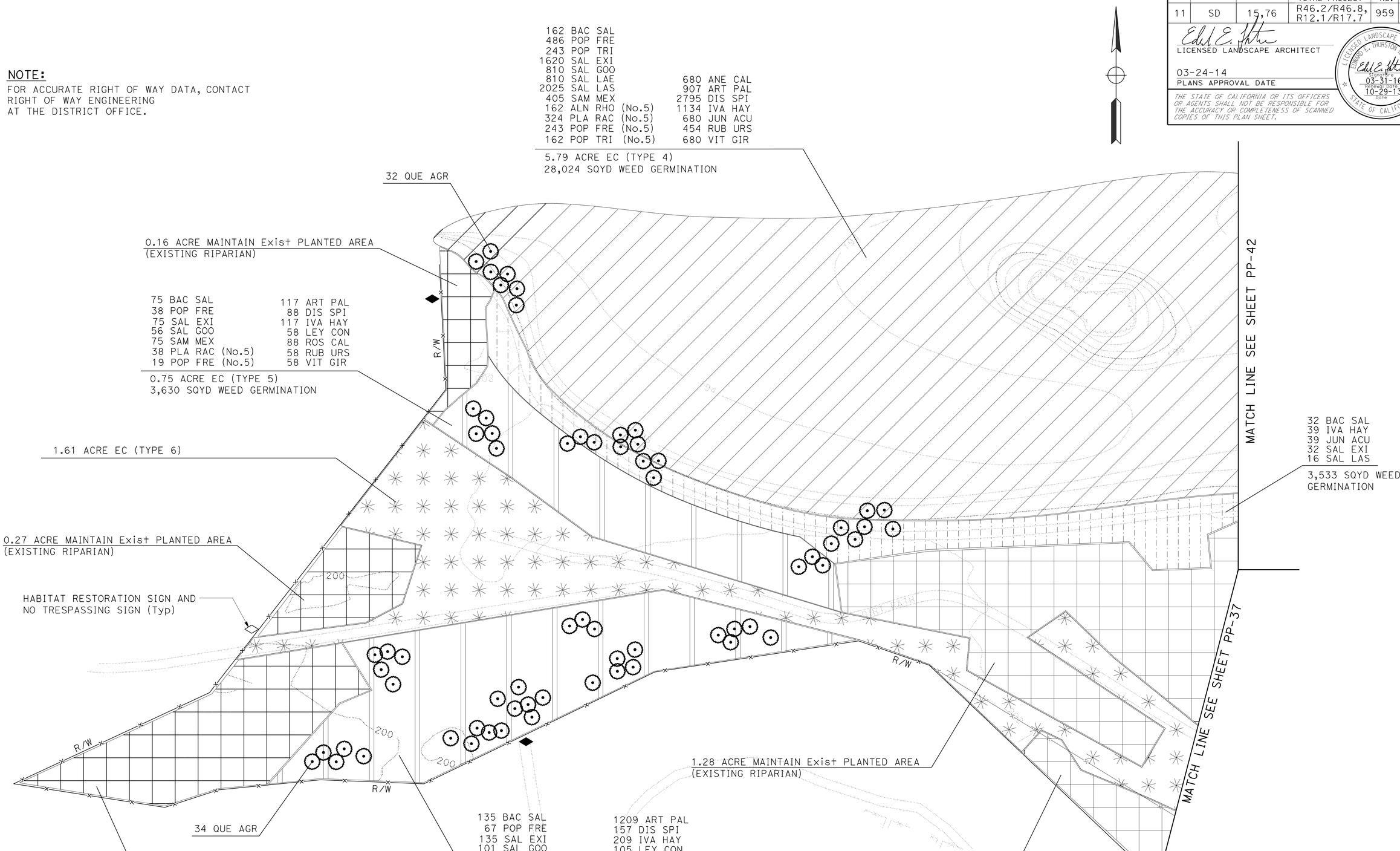
LICENSED LANDSCAPE ARCHITECT
EDWARD E. THURSTON No. 2518
LANDSCAPE ARCHITECT 03-31-16
REGISTRATION DATE
RENEWAL DATE 10-29-13
DATE
STATE OF CALIFORNIA

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



APPROVED FOR PLANTING WORK ONLY

PLANTING PLAN
(VESSELS MITIGATION)

SCALE: 1"=50'

PP-41

REVISED BY	DATE REVISED
EDWARD THURSTON	
MIKE CONNELLY	
CALCULATED-DESIGNED BY	CHECKED BY
SENIOR ENVIRONMENTAL PLANNER	
KIM SMITH	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
ENVIRONMENTAL

LAST REVISION 12-31-13
DATE PLOTTED => 24-MAR-2014
TIME PLOTTED => 15:24

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	960	1273

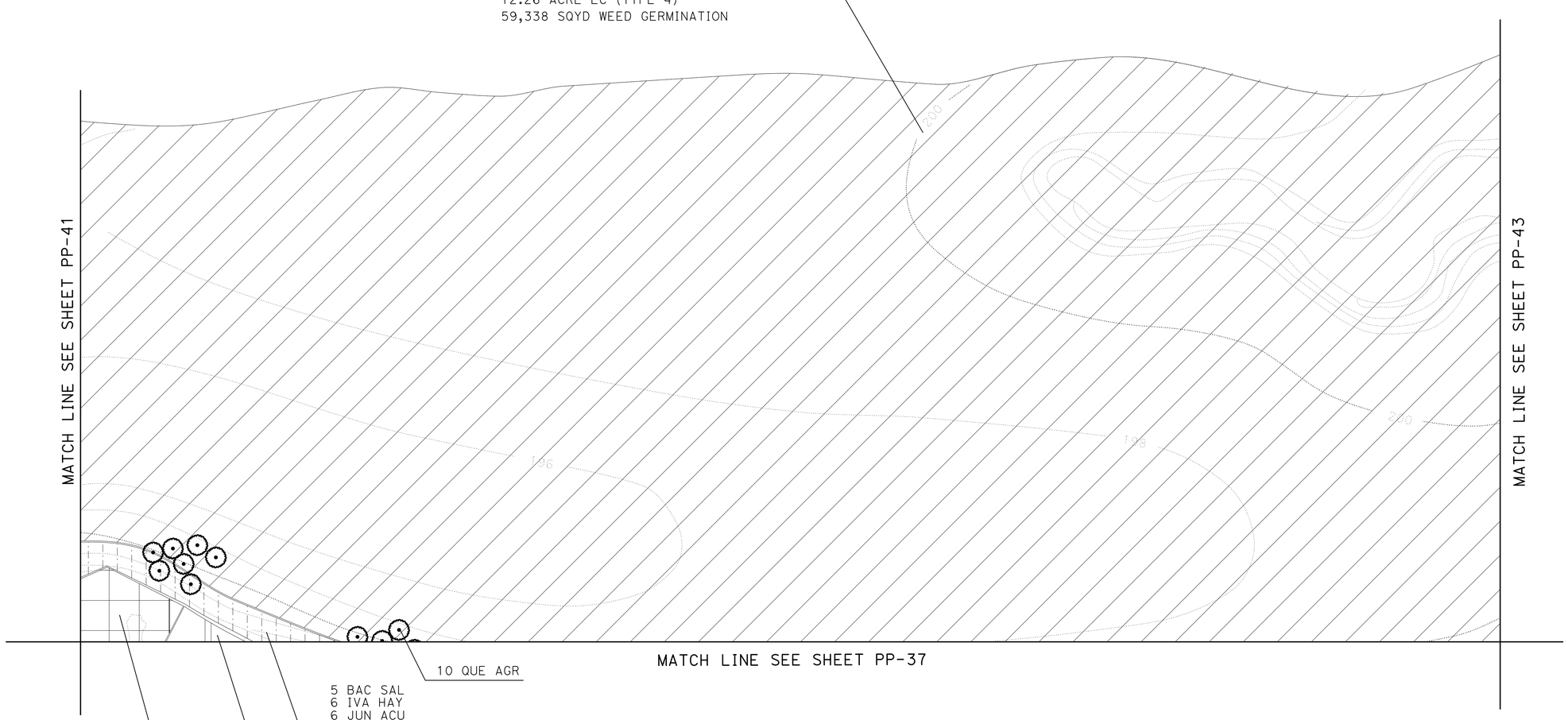
LICENSED LANDSCAPE ARCHITECT

03-24-14
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
EDWARD E. THURSTON No. 2918
LICENSE EXPIRE 03-31-16
Renewal date 10-29-13
DATE
STATE OF CALIFORNIA

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



APPROVED FOR PLANTING WORK ONLY

PLANTING PLAN
(VESSELS MITIGATION)

SCALE: 1"=50'

PP-42

REVISED BY	DATE REVISED
EDWARD THURSTON	
MIKE CONNELLY	
CALCULATED-DESIGNED BY	
CHECKED BY	
SENIOR ENVIRONMENTAL PLANNER	
KIM SMITH	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
ENVIRONMENTAL

LAST REVISION 12-31-13
DATE PLOTTED => 24-MAR-2014
TIME PLOTTED => 15:24

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	961	1273

LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
EDWARD E. THURSTON No. 2518
CALIFORNIA
03-31-16
RENEWAL DATE
10-29-13
DATE
STATE OF CALIFORNIA

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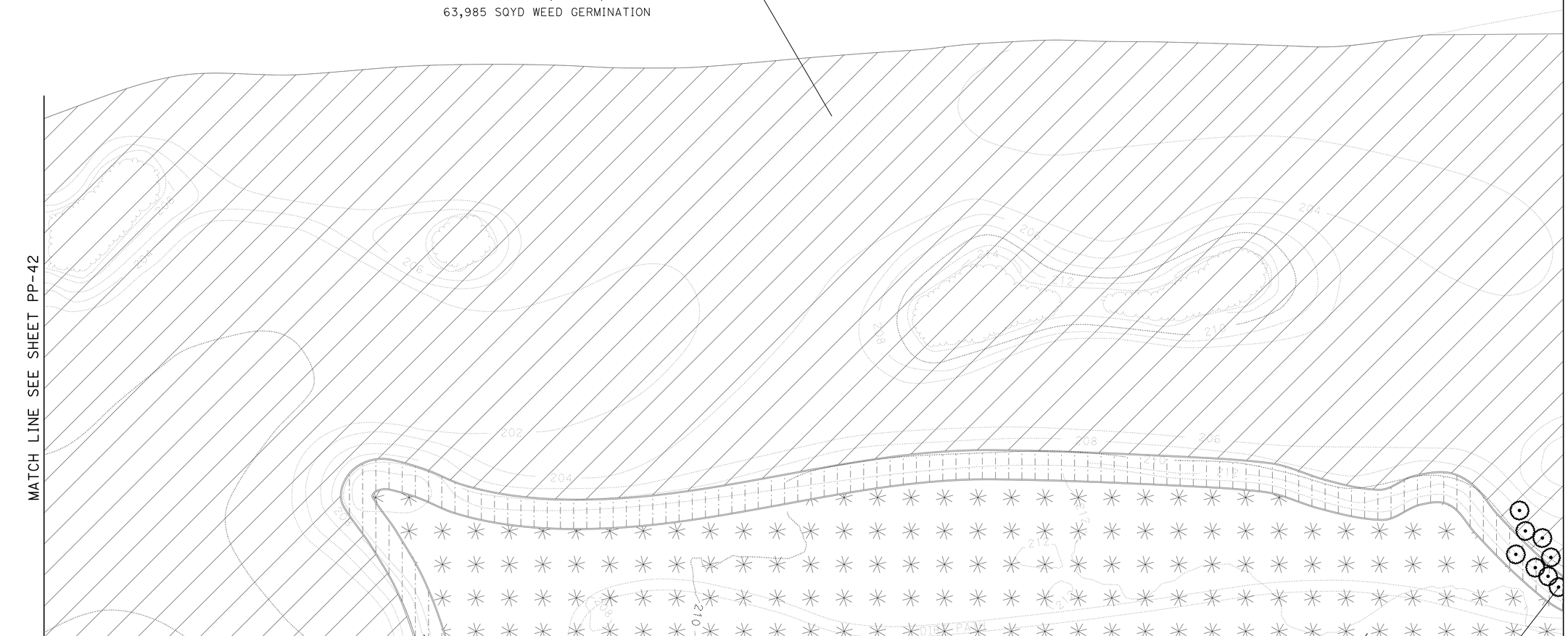
NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

1850 BAC SAL
1110 POP FRE
555 POP TRI
3701 SAL EXI
1850 SAL GOO
1850 SAL LAE
4626 SAL LAS
925 SAM MEX
370 ALN RHO (No.5)
740 PLA RAC (No.5)
555 POP FRE (No.5)
370 POP TRI (No.5)
1554 ANE CAL
2072 ART PAL
6384 DIS SPI
2590 IVA HAY
1554 JUN ACU
1036 RUB URS
1554 VIT GIR

13.22 ACRE EC (TYPE 4)
63,985 SQYD WEED GERMINATION

MATCH LINE SEE SHEET IP-46



34 BAC SAL
42 IVA HAY
42 JUN ACU
34 SAL EXI
17 SAL LAS
3,775 SQYD WEED GERMINATION

3.18 ACRE EC (TYPE 6)

8 QUE AGR

PLANTING PLAN
(VESSELS MITIGATION)

SCALE: 1"=50'

PP-43

APPROVED FOR PLANTING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
ENVIRONMENTAL

SENIOR ENVIRONMENTAL PLANNER: KIM SMITH
CALCULATED-DESIGNED BY: EDWARD THURSTON
CHECKED BY: MIKE CONNELLY
REVISED BY
DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 24-MAR-2014
TIME PLOTTED => 15:24

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	962	1273

LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
EDWARD E. THURSTON No. 2518
Expiration Date 03-31-16
Renewal Date 10-29-13
Date
STATE OF CALIFORNIA

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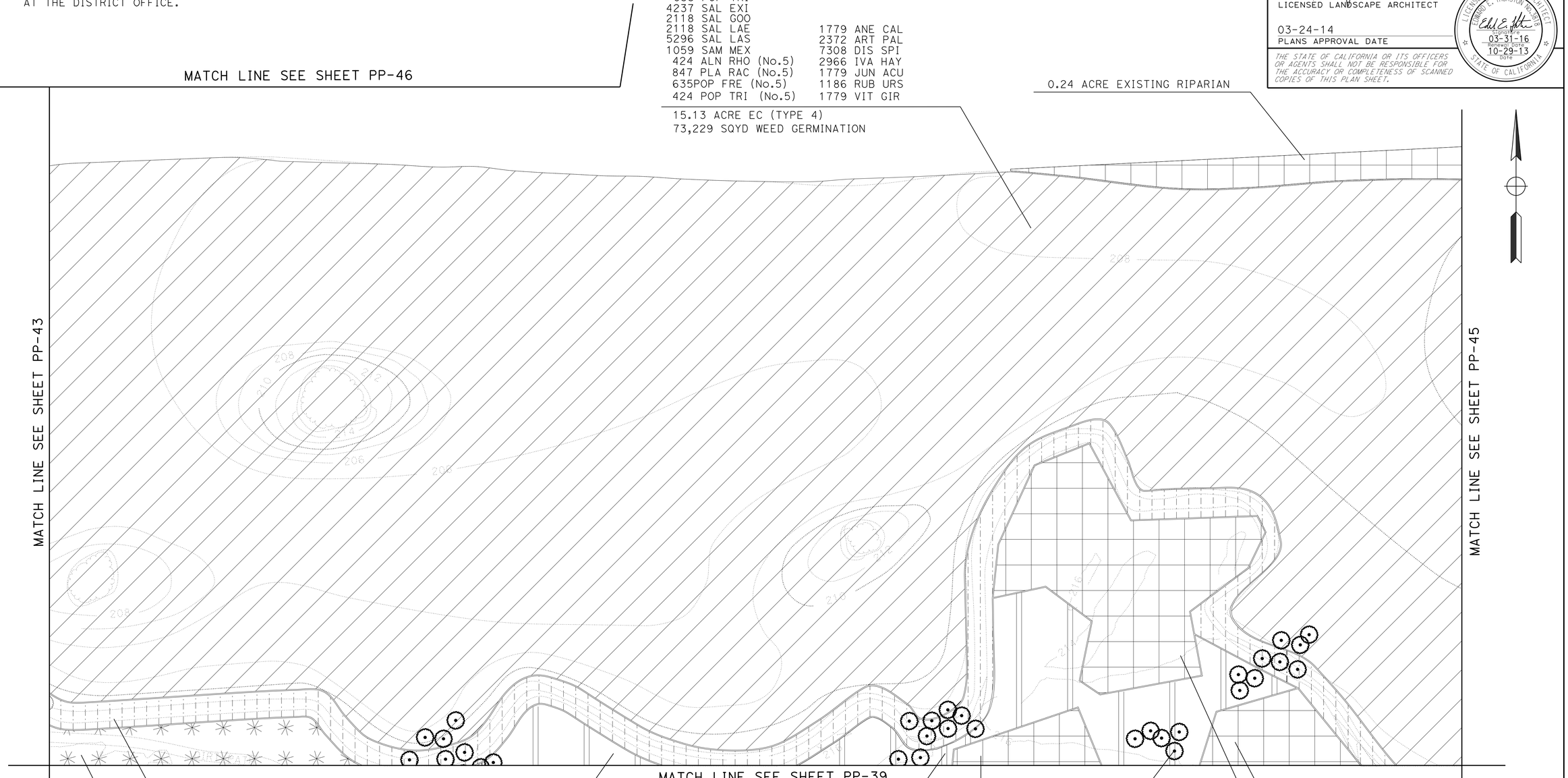


PLANTING PLAN
(VESSELS MITIGATION)

SCALE: 1"=50'

PP-44

APPROVED FOR PLANTING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
ENVIRONMENTAL

SENIOR ENVIRONMENTAL PLANNER: KIM SMITH
CALCULATED-DESIGNED BY: EDWARD THURSTON
CHECKED BY: MIKE CONNELLY
REVISED BY
DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 24-MAR-2014
TIME PLOTTED => 15:24

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	963	1273

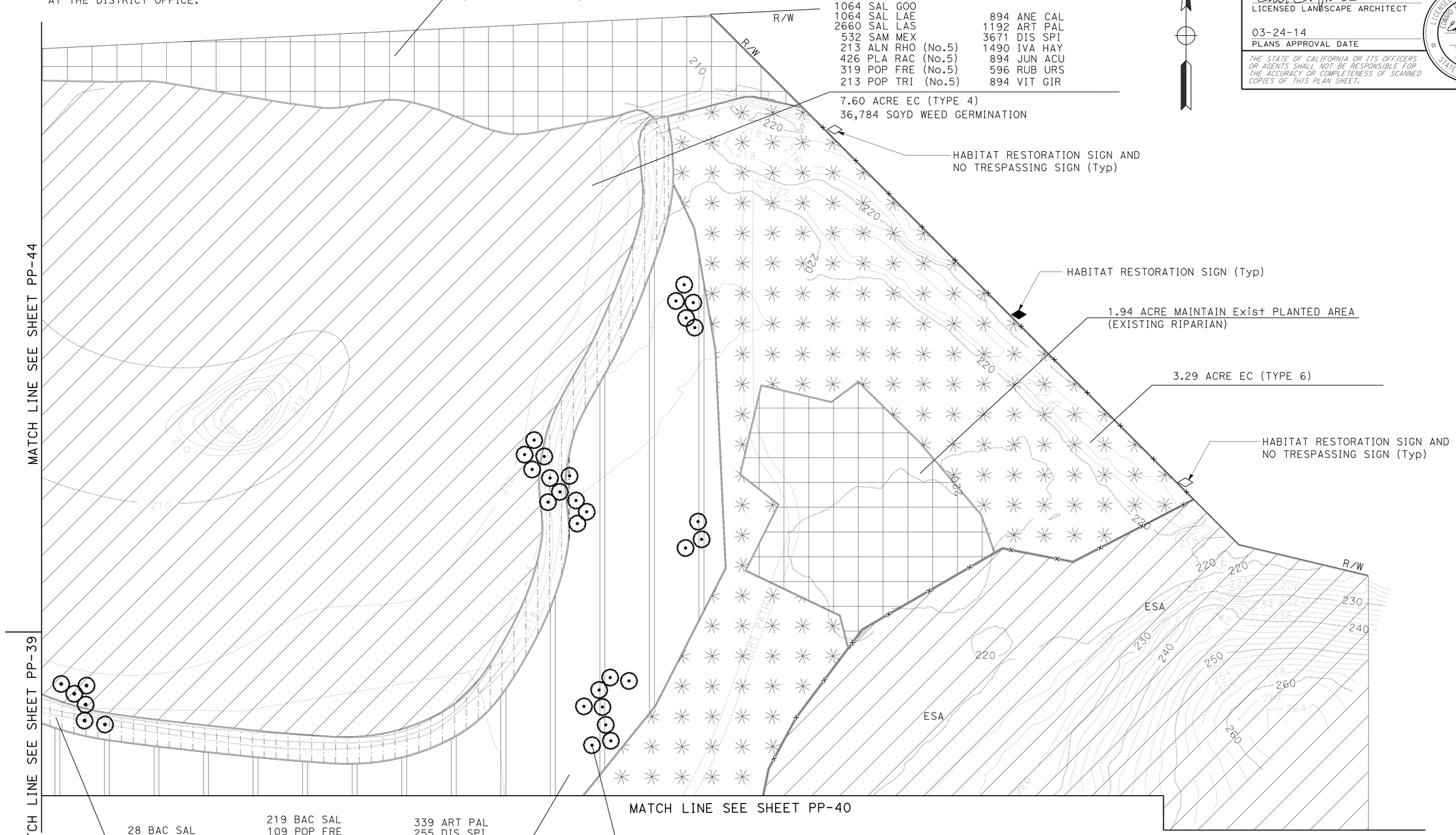
LICENSED LANDSCAPE ARCHITECT

03-24-14
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
EDWARD E. THURSTON No. 3918
Expiration Date 03-31-16
Renewal Date 10-29-13
Date
STATE OF CALIFORNIA

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



PLANTING PLAN
(VESSELS MITIGATION)

SCALE: 1"=50'

PP-45

APPROVED FOR PLANTING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
ENVIRONMENTAL

SENIOR ENVIRONMENTAL PLANNER: KIM SMITH
CALCULATED-DESIGNED BY: EDWARD THURSTON
CHECKED BY: MIKE CONNELLY
REVISED BY
DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 24-MAR-2014
TIME PLOTTED => 15:24

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	964	1273

LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

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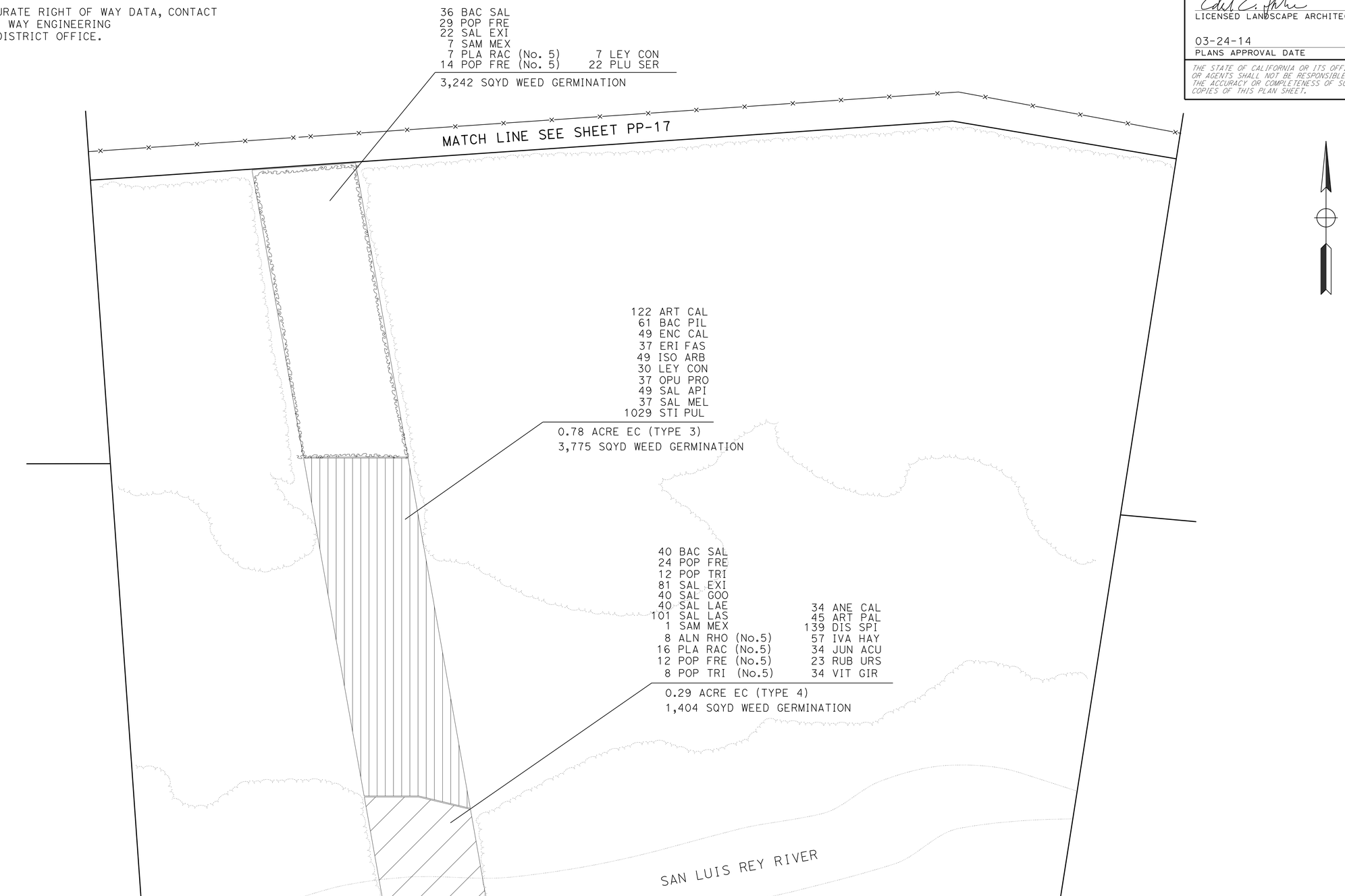
LICENSED LANDSCAPE ARCHITECT
EDWARD E. THURSTON No. 2518
Expiration Date 03-31-16
Renewal Date 10-29-13
Date
STATE OF CALIFORNIA

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



APPROVED FOR PLANTING WORK ONLY

PLANTING PLAN
(MORRISON MITIGATION)

SCALE: 1"=50'

PP-46

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
ENVIRONMENTAL

SENIOR ENVIRONMENTAL PLANNER: KIM SMITH
CALCULATED-DESIGNED BY: EDWARD THURSTON
CHECKED BY: MIKE CONNELLY
REVISED BY
DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 24-MAR-2014
TIME PLOTTED => 15:24

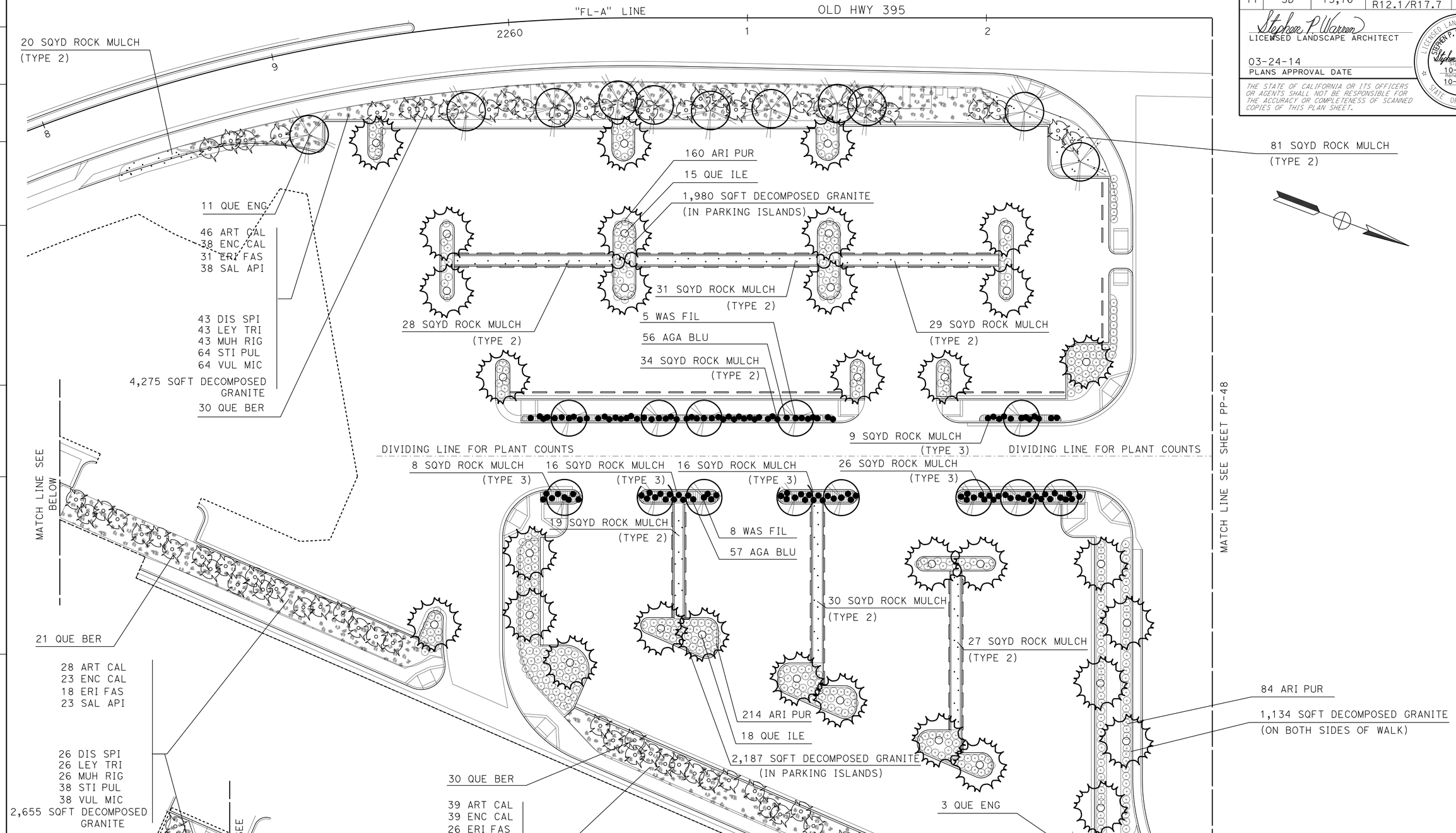
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	965	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Signature
10-31-14
Renewal Date
10-29-13
Date
STATE OF CALIFORNIA

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



PLANTING PLAN
(PARK AND RIDE)

SCALE: 1" = 20'

PP-47

REVISED BY	DATE REVISED

STEPHEN P. WARREN — JOEL HORTIZUELA

CALCULATED-DESIGNED BY — CHECKED BY

SENIOR LANDSCAPE ARCHITECT — STEPHEN ALVAREZ

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

LAST REVISION 12-31-13 | DATE PLOTTED => 20-MAR-2014 | TIME PLOTTED => 15:52

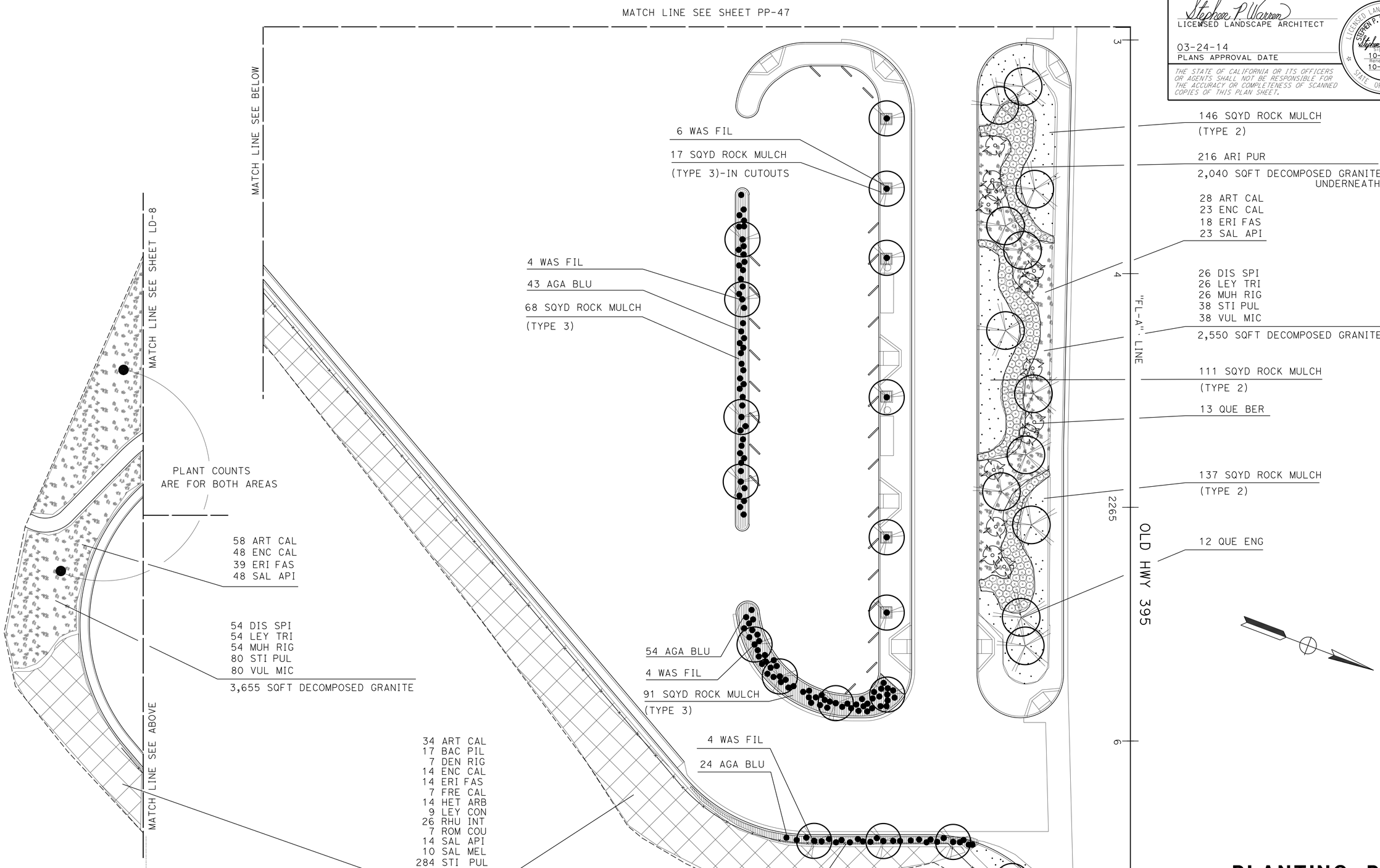
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	966	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Signature
10-31-14
Renewal Date
10-29-13
Date
STATE OF CALIFORNIA

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



PLANTING PLAN
(PARK AND RIDE)

SCALE: 1" = 20'

PP-48

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ
CALCULATED-DESIGNED BY: STEPHEN P. WARREN
CHECKED BY: JOEL HORTIZUELA
REVISED BY
DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:52

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	967	1273

LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — HENRY D. BARNES No. 2635 — STATE OF CALIFORNIA
Expiration Date 12/31/15
Renewal Date 10/30/13
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.

IRRIGATION LEGEND

SYMBOL	DESCRIPTION	SPRAY PATTERN	OPERATING PRESSURE (psi)	PRESSURE COMPENSATING	PLUS/MINUS 5% ② DISCHARGE: GALLONS PER MINUTE (GPM)	GALLONS PER HOUR (GPH)	RADIUS (ft)	WIDTH x LENGTH (ft)	FLOW SHUTOFF DEVICE	INLET CONNECTION (NPT INCH)	POSITIVE-LOCKING Adj ARC STOP	BACKSPLASH PREVENTER	DIFFUSER PIN	DISTANCE CONTROL FLAP	Adj DISCHARGE	SPRINKLER ASSEMBLY: RISER: TYPE	MATERIAL: PLASTIC	MATERIAL: GALVANIZED	SIZE (IPS INCH)	HEIGHT (INCH)	SWING JOINT ⑥	RISER SUPPORT ⑥	POP-UP: TYPE	INLET CONNECTION (NPT INCH)	SPRINKLER PROTECTOR (TYPE)	POP-UP HEIGHT (INCH)	TREE WELL: SWING JOINT ⑥	REMARKS
[1]	A-1 SIDE IMPACT	F	50	-	3.7	-	40	-	-	½	-	-	X	-	-	I	X	-	½	48	X	⑥	-	-	-	-	-	⑦⑨
①	A-1 SIDE IMPACT	P	50	-	3.7	-	40	-	-	½	-	-	X	-	-	I	X	-	½	48	X	⑥	-	-	-	-	-	⑦⑨
[5]	A-5 GEAR DRIVEN	F	50	-	3.5	-	40	-	-	¾	-	-	X	-	-	-	X	-	¾	12	X	-	-	-	-	-	-	③
⑤	A-5 GEAR DRIVEN	P	50	-	3.5	-	40	-	-	¾	-	-	X	-	-	I	X	-	¾	12	X	-	-	-	-	-	-	③⑦
⑥	A-6 GEAR DRIVEN	P	50	-	3.5	-	40	-	-	-	-	-	X	-	-	I	X	-	-	-	X	-	I	¾	-	12	-	③⑦
[7]	A-7 GEAR DRIVEN	F	50	-	7.5	-	48	-	-	¾	-	-	X	-	-	-	X	-	¾	12	X	-	-	-	-	-	-	③
⑦	A-7 GEAR DRIVEN	P	50	-	7.5	-	48	-	-	¾	-	-	X	-	-	I	X	-	¾	12	X	-	-	-	-	-	-	③⑦
⑧	A-8 GEAR DRIVEN	P	50	-	7.5	-	48	-	-	-	-	-	X	-	-	I	X	-	-	-	X	-	I	¾	-	12	-	③⑦
[11]	A-11 GEAR DRIVEN	F	50	-	1.8	-	25	-	-	¾	-	-	X	-	-	-	X	-	¾	12	X	-	-	-	-	-	-	③
⑪	A-11 GEAR DRIVEN	P	50	-	1.8	-	25	-	-	¾	-	-	X	-	-	-	X	-	¾	12	X	-	-	-	-	-	-	③⑦
⑫	A-12 GEAR DRIVEN	P	50	-	1.8	-	25	-	-	-	-	-	X	-	-	-	X	-	-	-	X	-	I	¾	-	12	-	③⑦
○	B-2 STREAM BUBBLER	F	30	-	1.5	-	5	-	-	½	-	-	X	-	X	-	X	-	½	-	X	-	-	-	-	-	-	④⑧
⊖	B-2 STREAM BUBBLER	H	30	-	1.0	-	5	-	-	½	-	-	X	-	X	-	X	-	½	-	X	-	-	-	-	-	-	④⑧
□	B-2 STREAM BUBBLER	CST	30	-	0.5	-	5	-	-	½	-	-	X	-	X	-	X	-	½	-	X	-	-	-	-	-	-	④⑧
●	C-2 MODIFIED MOD FLOOD BUBBLER	-	30	X	0.5	-	-	-	-	½	-	-	-	-	-	III	X	-	½	-	-	-	-	-	-	-	X	④⑨

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.
⑩ - INSTALL ONE FLOOD BUBBLER PER No. 15 TREE/SHRUB

ABBREVIATIONS

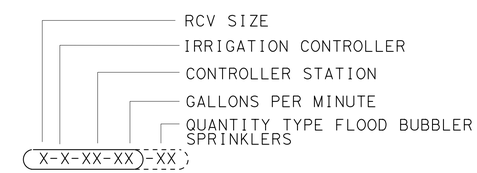
Adj — ADJUSTABLE
Ft — FEET
GPS — GALLONS PER SECOND
PSI — POUNDS PER SQUARE INCH

NOTES:

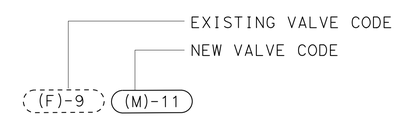
1. ALL LATERAL PIPE NOT LABELED ON HIGHWAY LANDSCAPE SHALL BE 1". ALL LATERAL PIPE NOT LABELED ON TABATA AND VESSELS MITIGATION SITES SHALL BE SIZED PER PIPE SIZING CHART BELOW.
2. ALL SPRINKLER HEADS, VALVES AND PLASTIC PIPE SUPPLYLINE (MAIN) SHOWN ARE TO BE INSTALLED OUTSIDE OF THE PAVED MVP AREA. VALVES TO BE INSTALLED AT DEPARTURE END OF THE MVP.
3. PULL ONE ADDITIONAL CNC WIRE FROM EACH CONTROLLER TO LAST VALVE BOX IN EACH VALVE MANIFOLD. (SEE CNC DETAIL)

LEGEND:

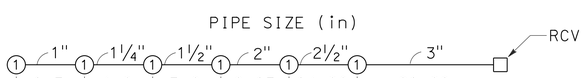
[M] - REMOTE CONTROL VALVE MASTER (RCVM)
- COMBINATION AIR RELEASE VALVE (CARV)
- IC SOLAR (POLE MOUNTED IN ENCLOSURE)
— — — - Exist BRIDGE LINE WATER
- PLASTIC PIPE (SUPPLY LINE) ON GRADE
[RB] - REPLACE VALVE BOX COVER (RVBC)
I/C - IRRIGATION CONDUIT
[X] - SPRINKLER PROTECTER (TYPE I) 'x' DENOTES TYPE OF SPRINKLER
- QUICK COUPLING VALVE



VALVE CODE

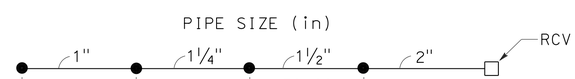


REPLACE VALVE BOX COVER



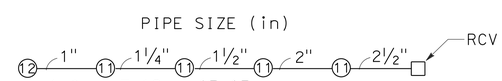
NUMBER OF HEADS FOR 3.7 GPM

PIPE SIZING CHART
SIDE IMPACT SPRINKLER



NUMBER OF HEADS FOR 0.5 GPM

PIPE SIZING CHART
FLOOD BUBBLER SPRINKLER



NUMBER OF HEADS FOR 1.8 GPM

PIPE SIZING CHART
GEAR DRIVEN SPRINKLER

LANDSCAPE DETAILS

NO SCALE

LD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ENVIRONMENTAL
Caltrans
SENIOR ENVIRONMENTAL PLANNER: KIM SMITH
CALCULATED-DESIGNED BY: HENRY BARNES
CHECKED BY
REVISED BY
DATE REVISED
TED THURSTION

LAST REVISION 12-31-13
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:52

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	968	1273

LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
HENRY D. BARNES No. 5665
Lic. Expiration Date
12/31/15
Renewal Date
10/30/13
DATE
STATE OF CALIFORNIA

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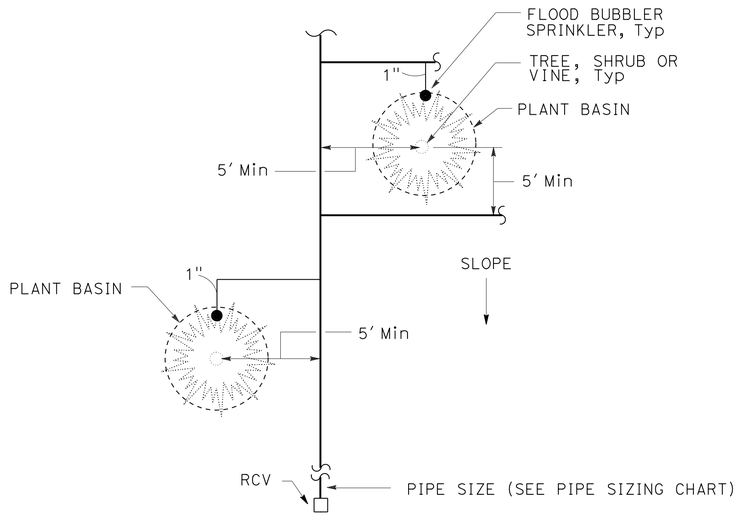
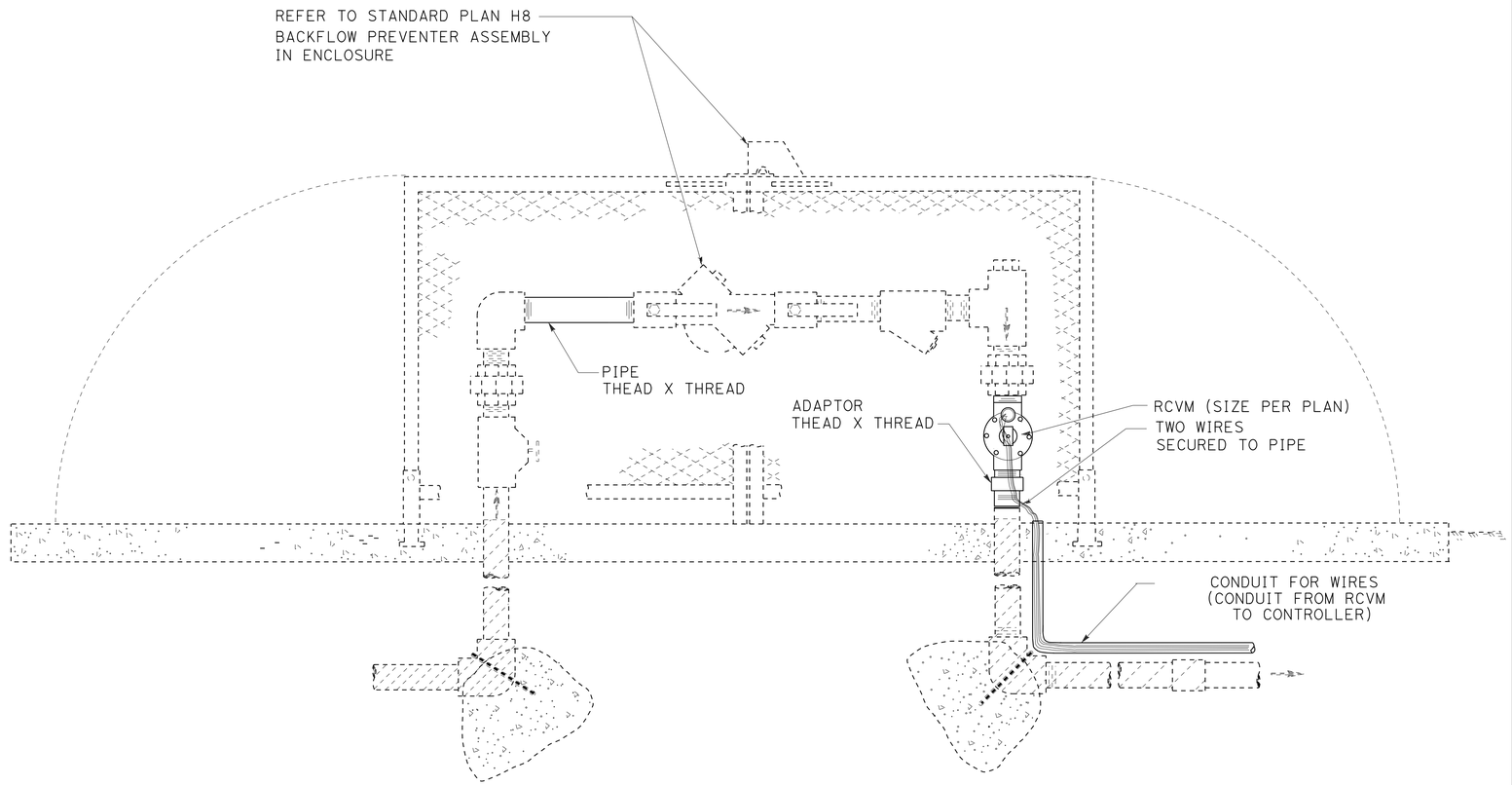


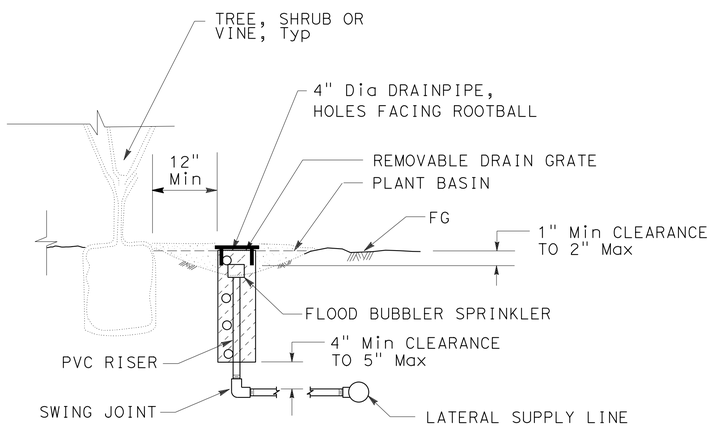
PLAN



ELEVATION

BACKFLOW PREVENTER ASSEMBLY IN ENCLOSURE (BPAE)

AND REMOTE CONTROL VALVE (MASTER)(RCVM)



SECTION

NOTES:

1. INSTALL FLOOD BUBBLER SPRINKLER Mod ON UPHILL SIDE OF PLANT WHEN ON SLOPE
2. INSTALL FLOOD BUBBLER WITHIN PLANT BASIN

TREE WELL SPRINKLER ASSEMBLY

MODIFIED (Mod)

LANDSCAPE DETAILS

NO SCALE

LD-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ENVIRONMENTAL
SENIOR ENVIRONMENTAL PLANNER
KIM SMITH
MIKE CONNELLY
HENRY BARNES
CALCULATED-DESIGNED BY
CHECKED BY
REVISED BY
DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:52

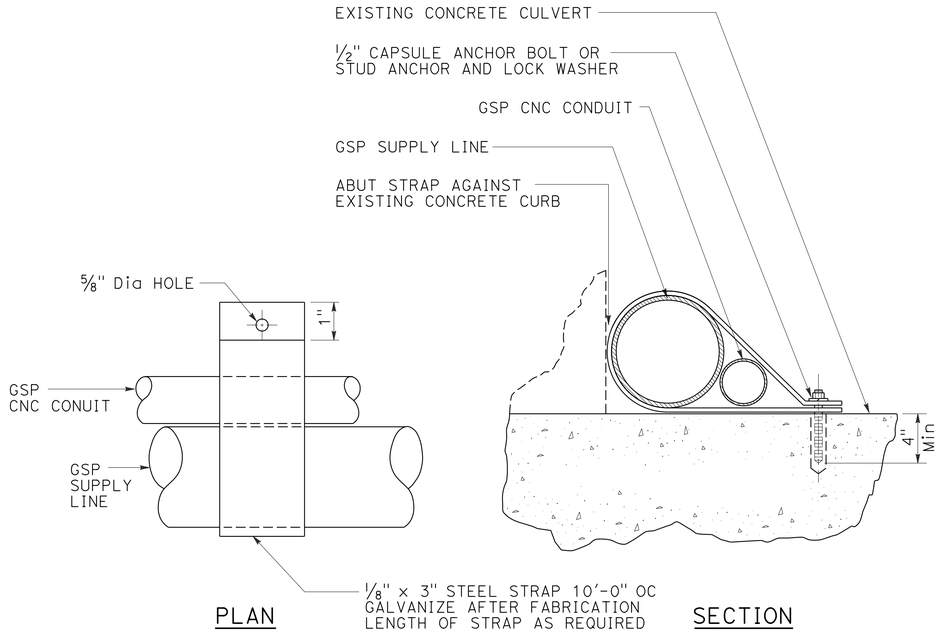
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	969	1273

LICENSED LANDSCAPE ARCHITECT

03-24-14
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.

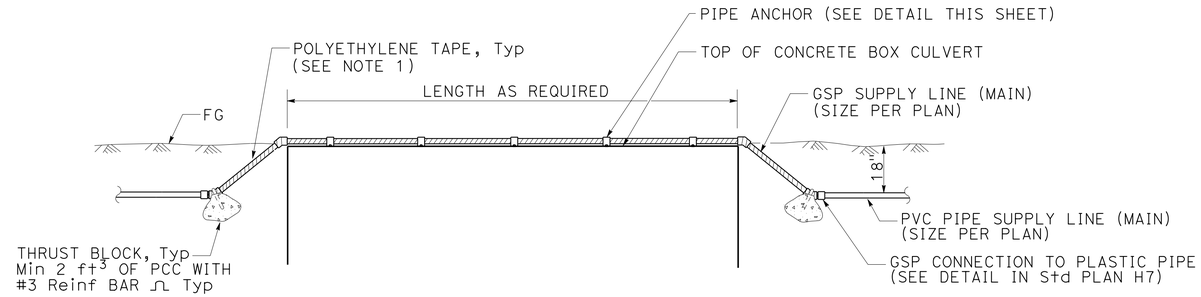
LICENSED LANDSCAPE ARCHITECT — HENRY D. BARNES No. 5665 — Signature — Renewal Date 12/31/15 — Date 10/30/13 — STATE OF CALIFORNIA



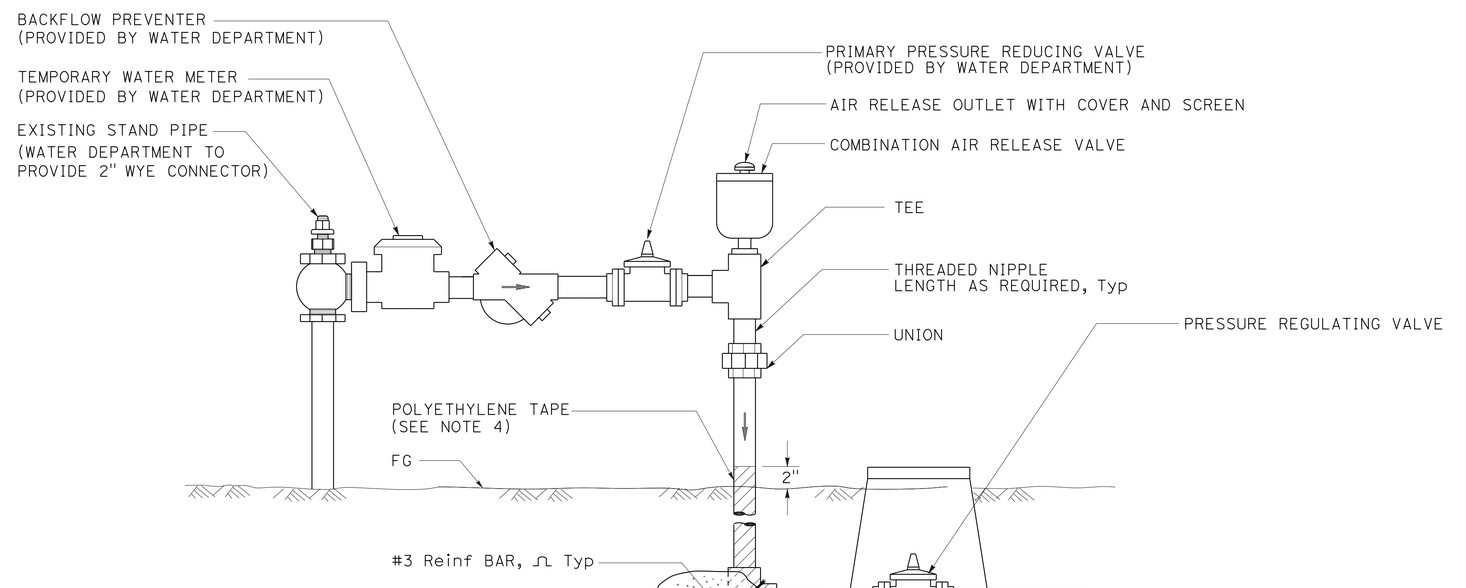
PIPE ANCHOR

NOTES:

1. ALL METAL IN CONTACT WITH SOIL AND PCC SHALL BE POLYETHYLENE WRAPPED USING 2" WIDE PLASTIC BACKED ADHESIVE TAPE, 3/4" THICK WITH 1/2" OVERLAP.



MAINLINE CROSSING OVER BONSALL CREEK



NOTE:
ALL NIPPLES, PIPE, AND FITTINGS NOT LABLED SHALL BE 3" BRASS.

TEMPORARY WATER METER ASSEMBLY

NO SCALE

LANDSCAPE DETAILS

NO SCALE

LD-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
ENVIRONMENTAL

SENIOR ENVIRONMENTAL PLANNER: KIM SMITH

CALCULATED-DESIGNED BY: HENRY BARNES
CHECKED BY: MIKE CONNELLY

REVISED BY | DATE REVISED

LAST REVISION 12-31-13 | DATE PLOTTED => 20-MAR-2014 | TIME PLOTTED => 15:52

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	970	1273

LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — HENRY D. BARNES No. 5665 — Signature — Expiration Date 12/31/15 — Date 10/30/13 — STATE OF CALIFORNIA

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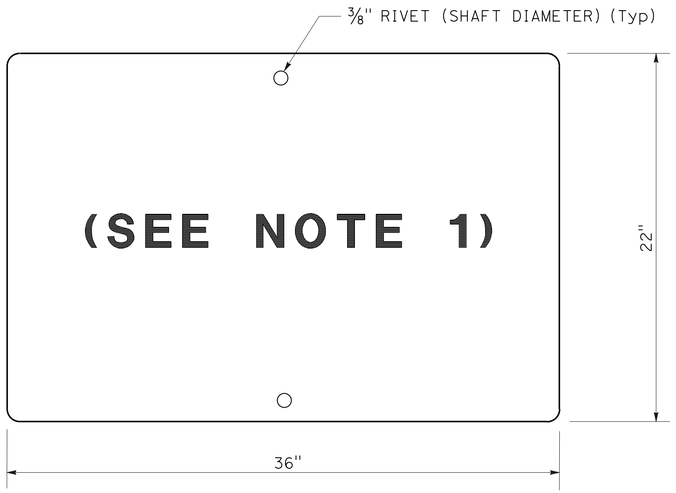
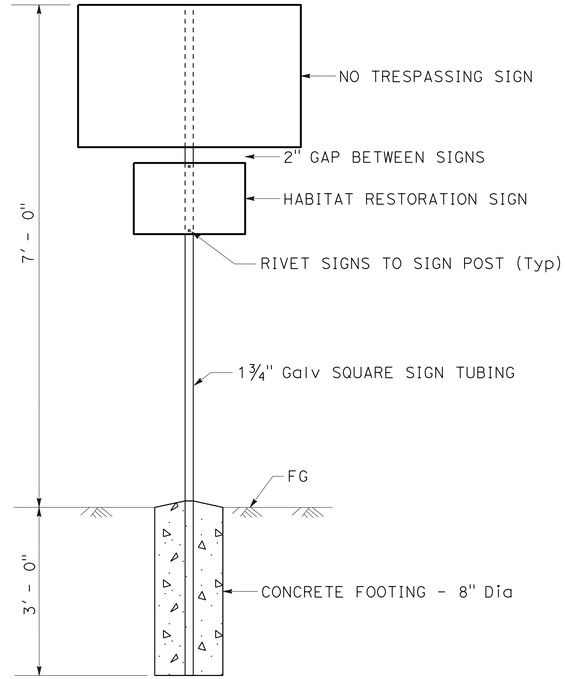


NO TRESPASSING SIGN

NOTE:

1. STANDARD STATE OF CALIFORNIA - SIGN CODE S8(CA)
2. INSTALL 5 FEET INSIDE FENCE.
3. 3/8" HOLE DIAMETER.

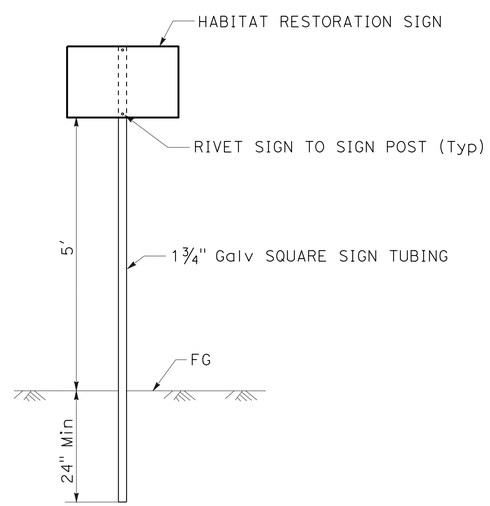


(TYPE 2)

HABITAT RESTORATION SIGN

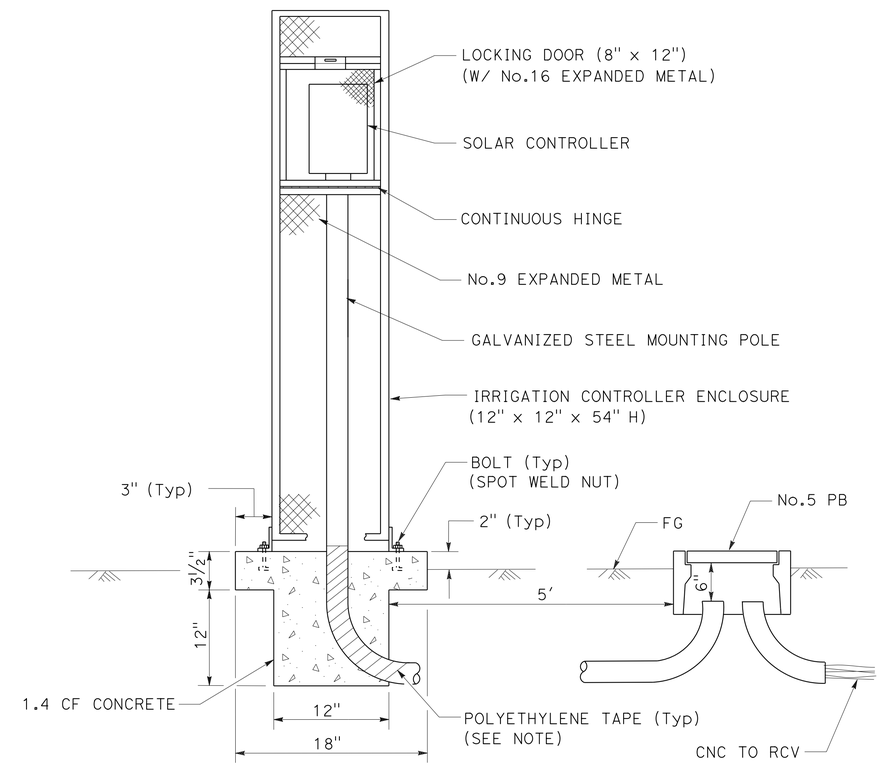
NOTE:

1. BLACK LETTERS ON WHITE BACKGROUND.
2. INSTALL 5 FEET INSIDE FENCE.



(TYPE 1)

MITIGATION SIGNS



NOTE:

ALL METAL IN CONTACT WITH SOIL AND PCC SHALL BE POLYETHYLENE WRAPPED USING 2" WIDE PLASTIC BACKED ADHESIVE TAPE, 20 MIL THICK WITH 1/2" OVERLAP.

SOLAR IRRIGATION CONTROLLER (IN ENCLOSURE)

LANDSCAPE DETAILS

NO SCALE

LD-4

REVISED BY	DATE REVISED
MIKE CONNELLY	HENRY BARNES

CALCULATED-DESIGNED BY	CHECKED BY

SENIOR ENVIRONMENTAL PLANNER: KIM SMITH

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® ENVIRONMENTAL

LAST REVISION 12-31-13 | DATE PLOTTED => 20-MAR-2014 | TIME PLOTTED => 15:52

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	971	1273

LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

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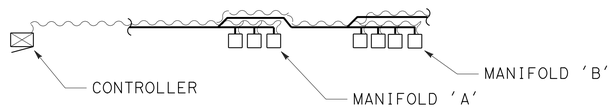
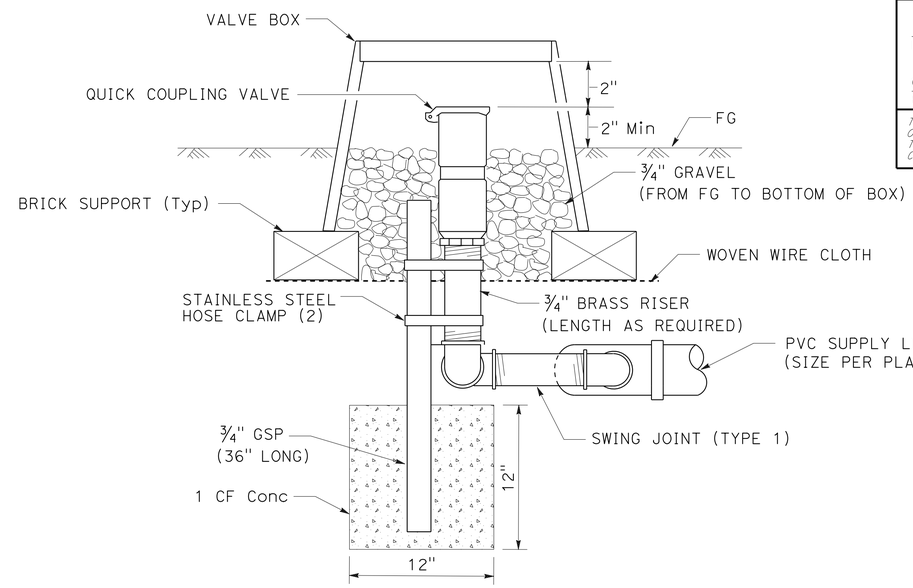
LICENSED LANDSCAPE ARCHITECT
HENRY D. BARNES No. 2665
Signature
12/31/15
Renewal Date
10/30/13
Date
STATE OF CALIFORNIA

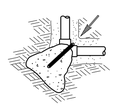
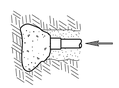
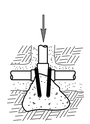
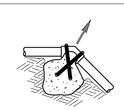
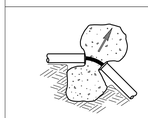


EXAMPLE:
MANIFOLD 'A' - INSTALL 4 CNC AND 1 ADDITIONAL WIRE FROM CONTROLLER TO LAST VALVE BOX IN MANIFOLD 'A'.
MANIFOLD 'B' - INSTALL 5 CNC AND 1 ADDITIONAL WIRE FROM CONTROLLER TO LAST VALVE BOX IN MANIFOLD 'B'.

CONTROL AND NEUTRAL CONDUCTOR

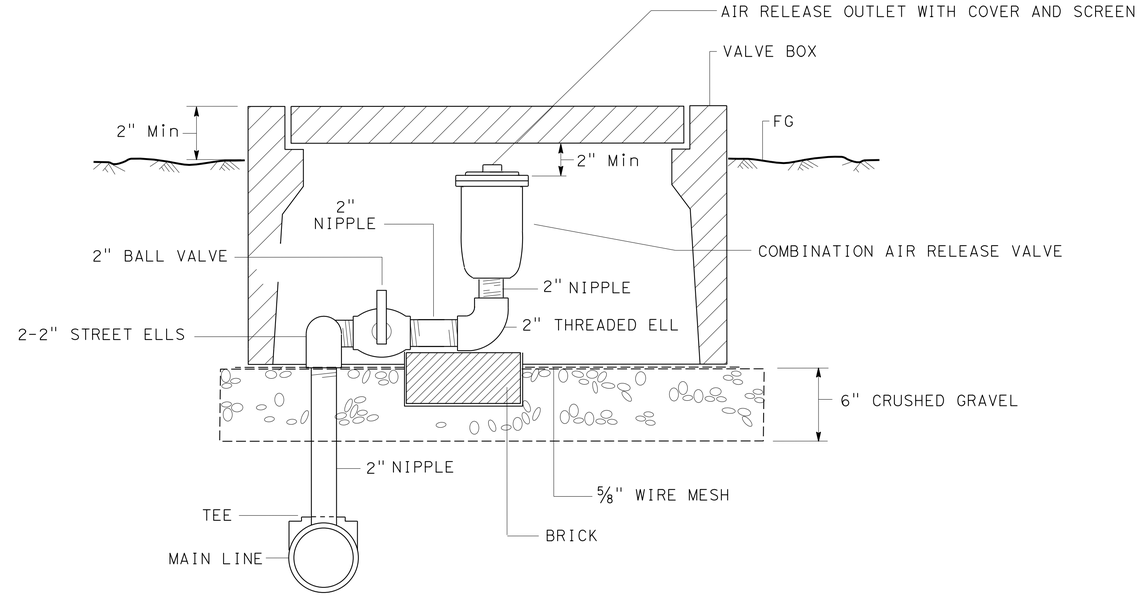


QUICK COUPLING VALVE

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

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

TYPICAL THRUST BLOCKS
(MODIFIED)



COMBINATION AIR RELEASE VALVE (CARV)

LANDSCAPE DETAILS
NO SCALE
LD-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
ENVIRONMENTAL
SENIOR ENVIRONMENTAL PLANNER: KIM SMITH
CALCULATED-DESIGNED BY: MIKE CONNELLY
CHECKED BY: HENRY BARNES
REVISED BY
DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:52

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	972	1273

LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
HENRY D. BARNES No. 5665
Lic. Expiration
12/31/15
Renewal Date
10/30/13
Date
STATE OF CALIFORNIA

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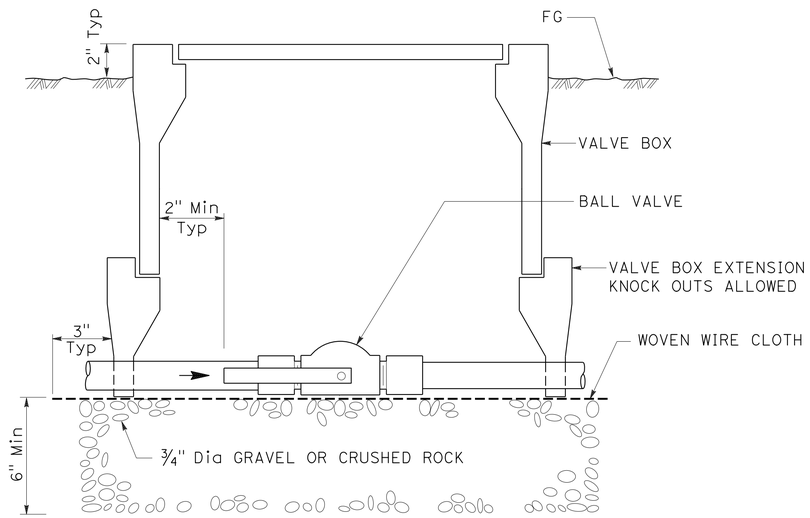
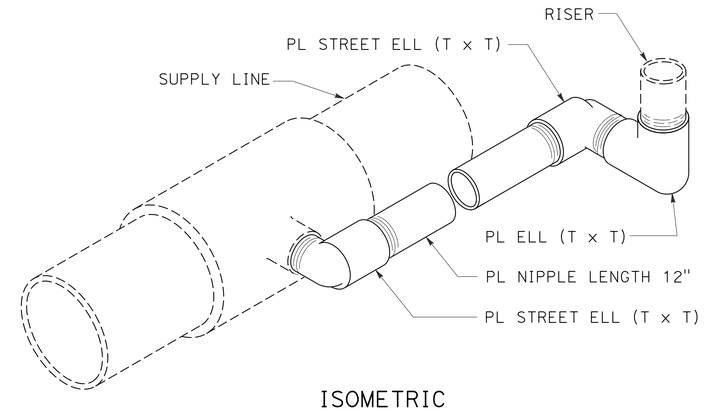
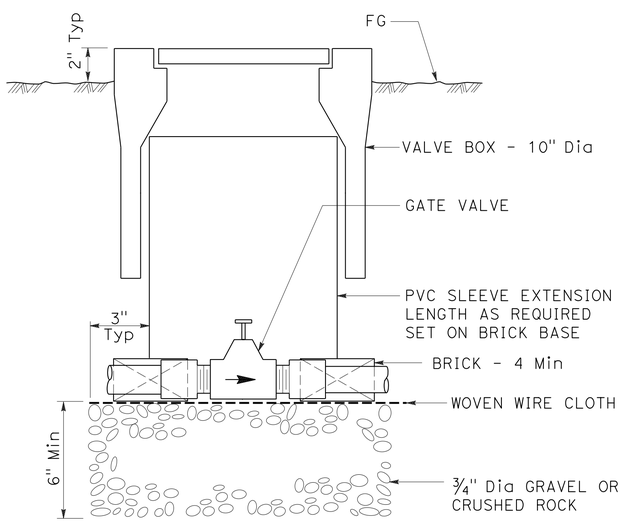


BALL VALVE

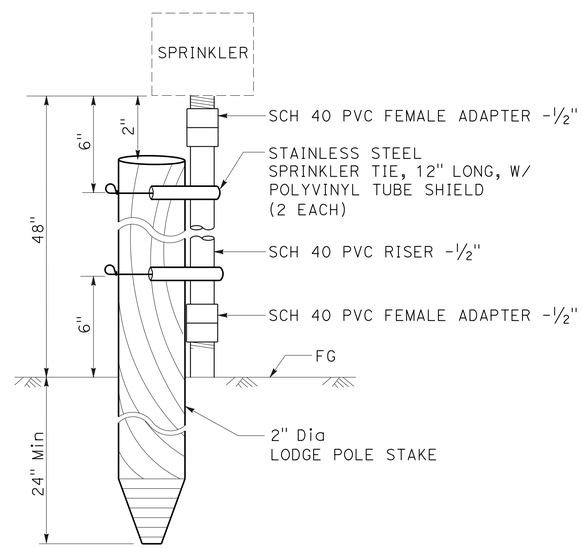


ISOMETRIC

SWING JOINT



GATE VALVE



ELEVATION

RISER AND RISER SUPPORT

LANDSCAPE DETAILS

NO SCALE

LD-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
ENVIRONMENTAL
SENIOR ENVIRONMENTAL PLANNER: KIM SMITH
CALCULATED-DESIGNED BY: EDWARD THURSTON
CHECKED BY: HENRY BARNES
REVISED BY
DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:52

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	973	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Signature
10-31-14
Renewal date
10-29-13
Date
STATE OF CALIFORNIA

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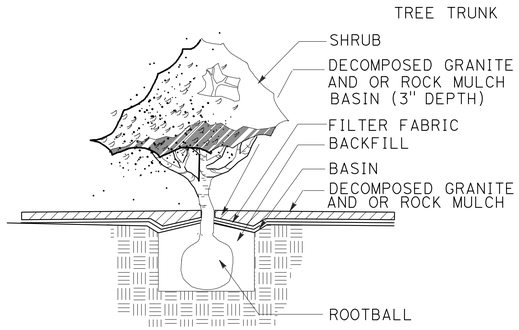
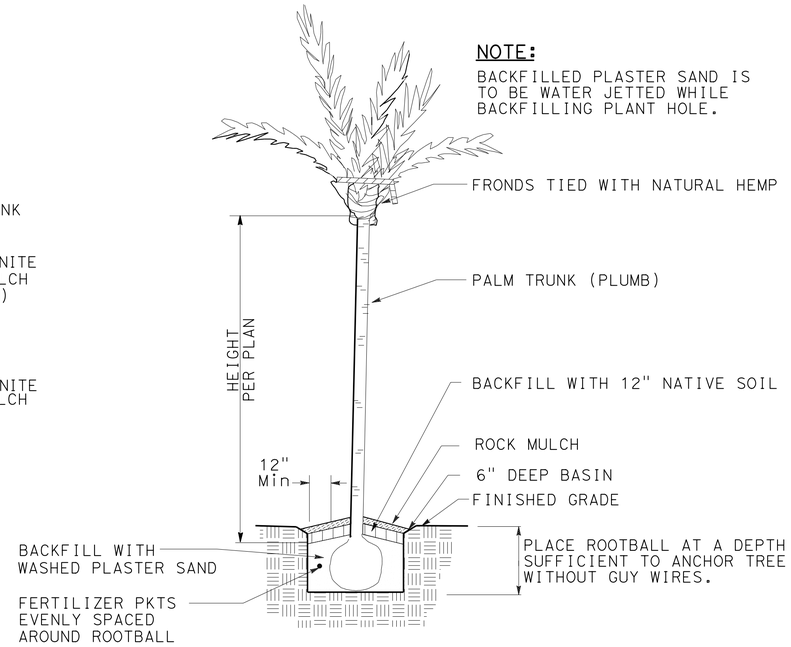


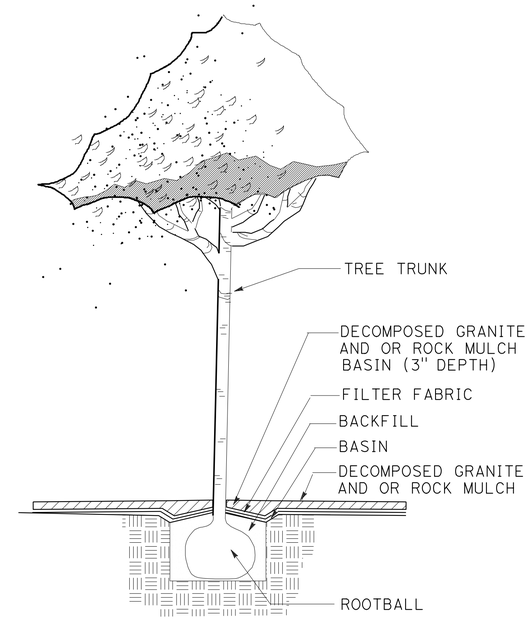
SHRUB PLANTING

IN DECOMPOSED GRANITE AND OR ROCK MULCH AREAS

NOTE:
BACKFILLED PLASTER SAND IS TO BE WATER JETTED WHILE BACKFILLING PLANT HOLE.

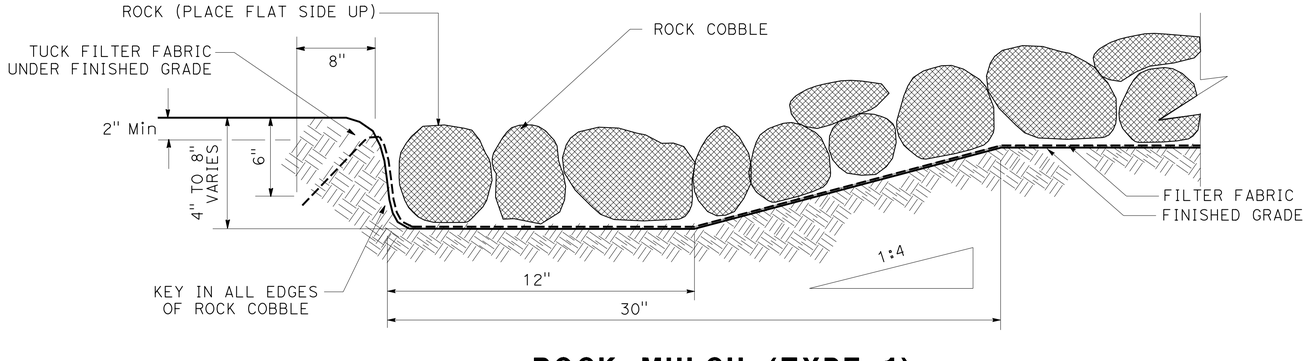


PALM TREE PLANTING

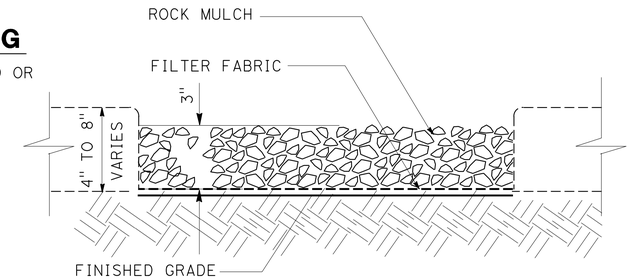


TREE PLANTING

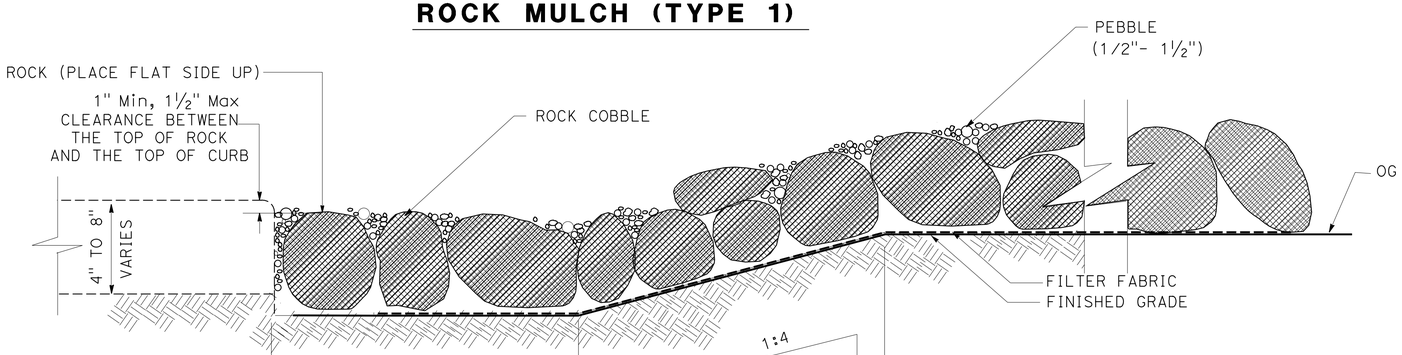
IN DECOMPOSED GRANITE AND OR ROCK MULCH AREAS



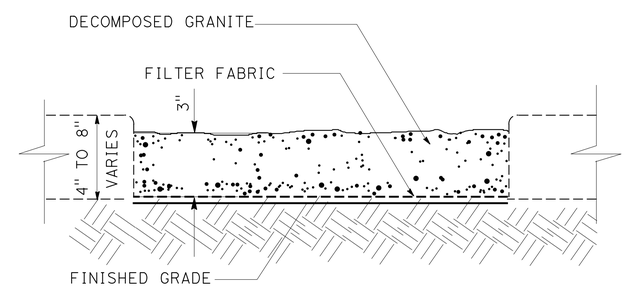
ROCK MULCH (TYPE 1)



ROCK MULCH (TYPE 3)



ROCK MULCH (TYPE 2)



DECOMPOSED GRANITE

LANDSCAPE DETAILS

NO SCALE

LD-7

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ
CALCULATED-DESIGNED BY: STEPHEN P. WARREN
CHECKED BY: JOEL HORTIZUELA
REVISED BY: X
DATE REVISED: MM-DD-YY

LAST REVISION: 12-31-13
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:52

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	974	1273

LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT HENRY D. BARNES No. 5655 STATE OF CALIFORNIA
Lic. Expiration Date 12/31/15
Renewal Date 10/30/13
Date

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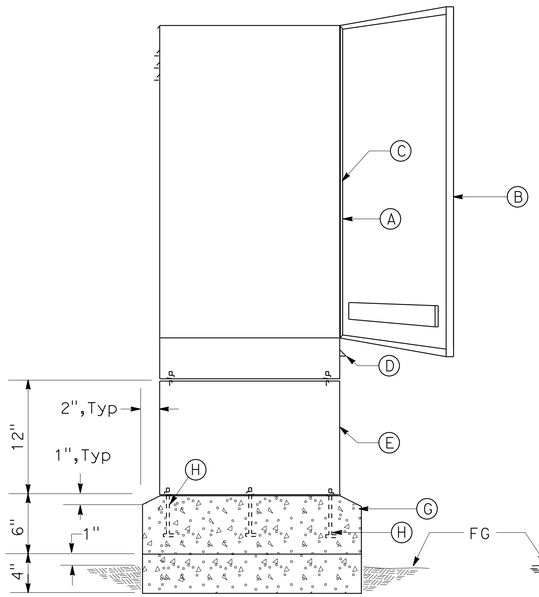
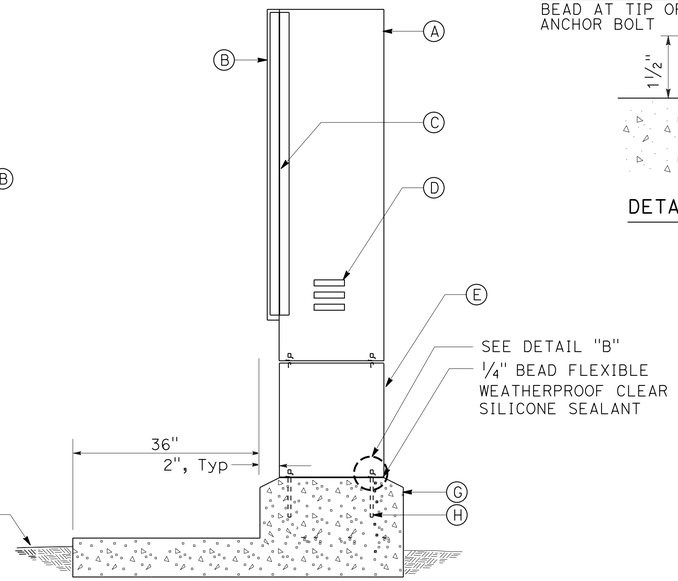
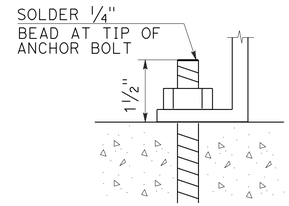


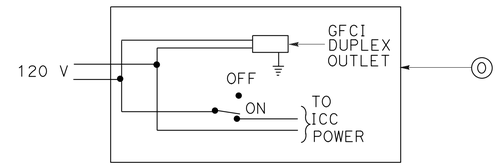
FRONT ELEVATION



SIDE SECTION



DETAIL "B"

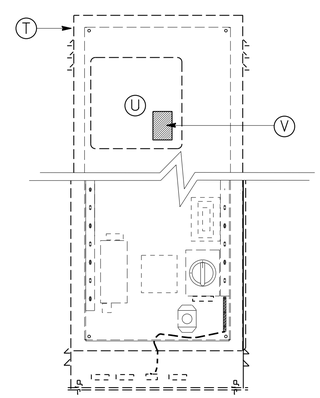


DETAIL "A"

CABINET, SECURITY DOOR, AND FOUNDATION

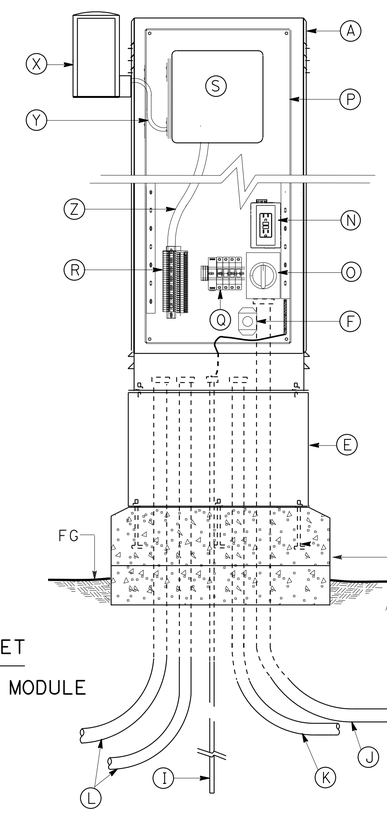
LEGEND:

- (A) STAINLESS STEEL CONTROLLER ENCLOSURE CABINET
- (B) DOOR WITH THREE POINT LOCKING MECHANISM, FLUSH-MOUNTED ACCESS HANDLE FOR PADLOCK, AND STORAGE FOR PLANS
- (C) CONTINUOUS STAINLESS STEEL PIANO HINGE
- (D) LOUVERS AT TOP AND BOTTOM FOR CROSS VENTILATION
- (E) 12" HIGH STAINLESS STEEL PEDESTAL (ATTACH TO ENCLOSURE CABINET)
- (F) SURGE PROTECTION
- (G) PCC PAD AND FOUNDATION
- (H) ⅜" DIAMETER, 2¾" LONG, WINGED STAINLESS STEEL ANCHOR BOLTS WITH WASHERS AND HEX HEAD LOCKNUTS (4 BOLTS FOR SINGLE, 6 BOLTS FOR DOUBLE)
- (I) ⅝" X 10' LONG COPPER CLAD STEEL ROD GROUND ELECTRODE AND GROUND CLAMP WITH No. 8 AWG GROUND CONDUCTOR.
- (J) 1" SIZE, TYPE 3 CONDUIT FOR ELECTRICAL SERVICE (2 FOR CABINET WITH TELEPHONE SERVICE)
- (K) 1½" SIZE, TYPE 3 CONDUIT FOR RCVM AND FS INPUT WIRING
- (L) 3" SIZE, TYPE 3 CONDUIT FOR LOW VOLTAGE WIRING
- (N) 2 GANG WEATHER PROOF BOX WITH GROUND FAULT PROTECTED RECEPTACLE
- (O) ON-OFF SWITCH, SEE DETAIL "A" ON THIS SHEET
- (P) STAINLESS STEEL BACK BOARD (3/16" Min THICKNESS), ATTACHED TO ENCLOSURE
- (Q) CIRCUIT BREAKERS
- (R) TERMINAL STRIPS FOR LOW VOLTAGE WIRE CONNECTIONS
- (S) IRRIGATION CONTROLLER (IC) (QUANTITIES SHOWN ON PLANS)
- (T) EXISTING IRRIGATION CONTROL CABINET
- (U) EXISTING IRRIGATION CONTROLLER
- (V) 12 STATION EXPANSION MODULE (QUANTITIES SHOWN ON PLANS)
- (X) VANDAL RESISTANT ENCLOSURE FOR RAIN SENSOR
- (Y) ½" FLEXABLE CONDUIT FOR CONTROL WIRES AS REQ.
- (Z) 1½" FLEXABLE CORRUGATED WIRE LOOM

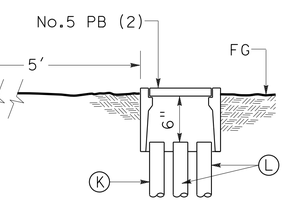


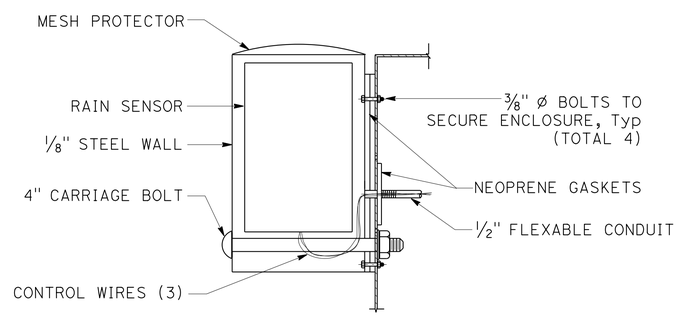
EXISTING SINGLE CONTROL CABINET

RETROFITTED WITH ADDED 12 STATION MODULE



IC LAYOUT





RAIN SENSOR UNIT

IRRIGATION SINGLE CONTROLLER ENCLOSURE CABINET

LANDSCAPE DETAILS

NO SCALE

LD-8

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® ENVIRONMENTAL

SENIOR ENVIRONMENTAL PLANNER: KIM SMITH

CALCULATED-DESIGNED BY: HENRY BARNES
CHECKED BY:
REVISED BY:
DATE REVISED:

LAST REVISION 12-31-13
DATE PLOTTED => 24-MAR-2014
TIME PLOTTED => 15:31

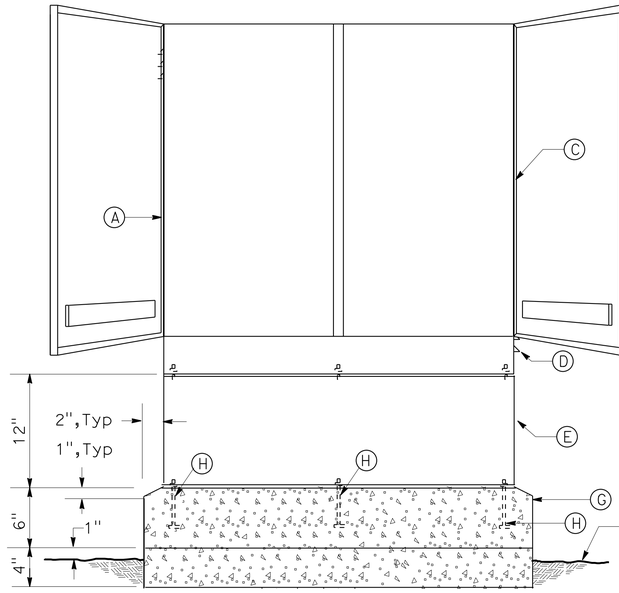
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	975	1273

LICENSED LANDSCAPE ARCHITECT

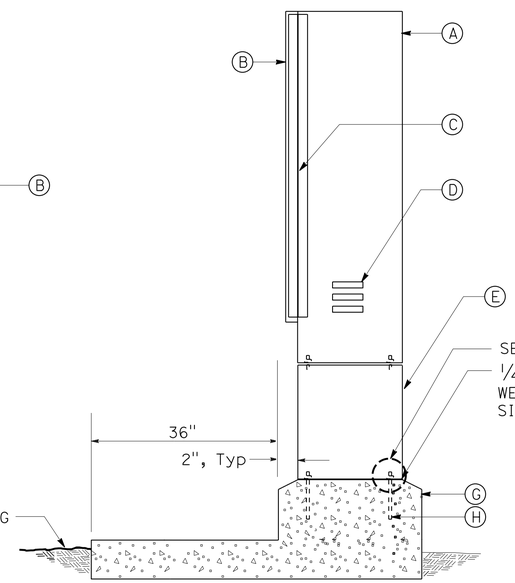
03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — HENRY D. BARNES No. 5665 — Lic. Expiration Date 12/31/15 — Renewal Date 10/30/13 — STATE OF CALIFORNIA

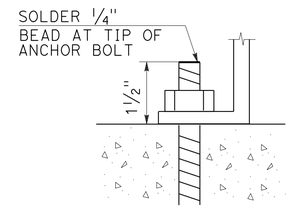
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



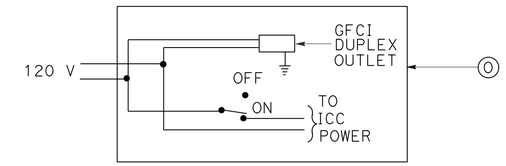
FRONT ELEVATION



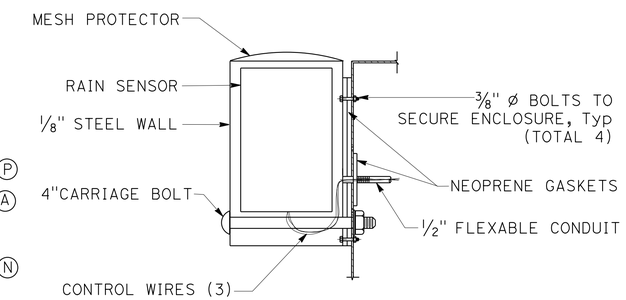
SIDE SECTION



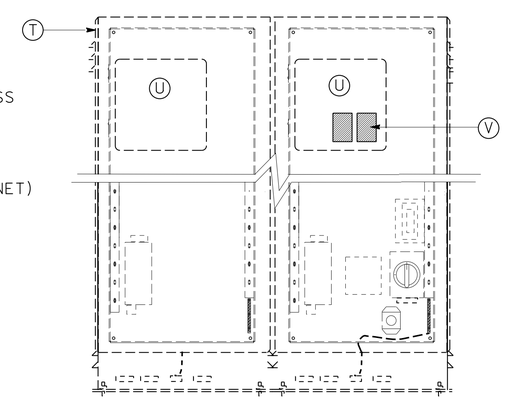
DETAIL "B"



DETAIL "A"

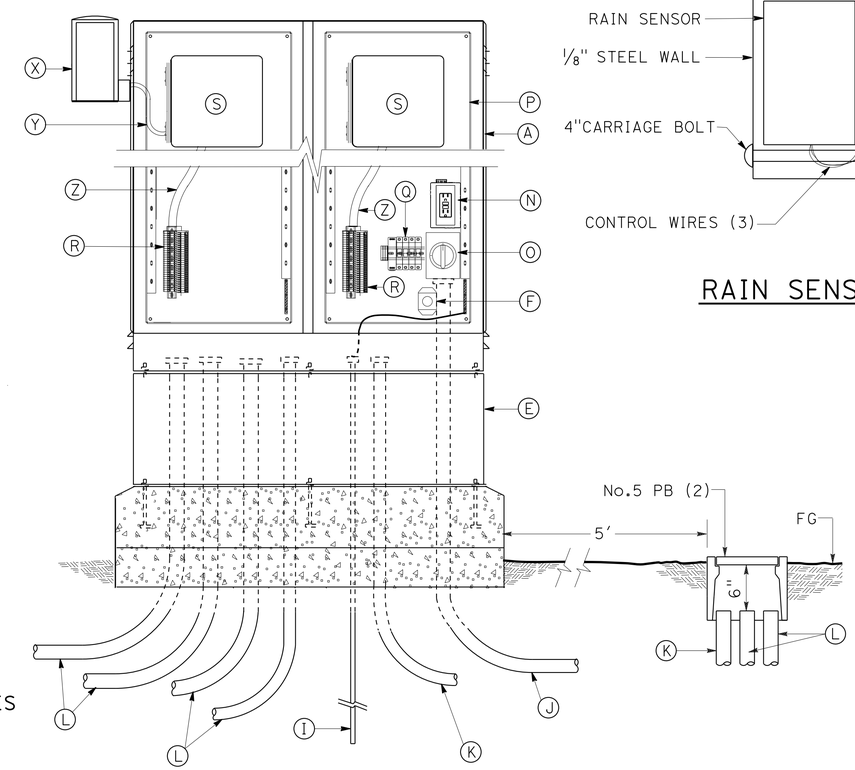


RAIN SENSOR UNIT



EXISTING DOUBLE CONTROL CABINET

RETROFITTED WITH ADDED 12 STATION MODULES



IC LAYOUT

IRRIGATION DOUBLE CONTROLLER ENCLOSURE CABINET

LEGEND:

- (A) STAINLESS STEEL CONTROLLER ENCLOSURE CABINET
- (B) DOOR WITH THREE POINT LOCKING MECHANISM, FLUSH-MOUNTED ACCESS HANDLE FOR PADLOCK, AND STORAGE FOR PLANS
- (C) CONTINUOUS STAINLESS STEEL PIANO HINGE
- (D) LOUVERS AT TOP AND BOTTOM FOR CROSS VENTILATION
- (E) 12" HIGH STAINLESS STEEL PEDESTAL (ATTACH TO ENCLOSURE CABINET)
- (F) SURGE PROTECTION
- (G) PCC PAD AND FOUNDATION
- (H) 3/8" DIAMETER, 2 3/4" LONG, WINGED STAINLESS STEEL ANCHOR BOLTS WITH WASHERS AND HEX HEAD LOCKNUTS (4 BOLTS FOR SINGLE, 6 BOLTS FOR DOUBLE)
- (I) 5/8" X 10' LONG COPPER CLAD STEEL ROD GROUND ELECTRODE AND GROUND CLAMP WITH No. 8 AWG GROUND CONDUCTOR.
- (J) 1" SIZE, TYPE 3 CONDUIT FOR ELECTRICAL SERVICE (2 FOR CABINET WITH TELEPHONE SERVICE)
- (K) 1 1/2" SIZE, TYPE 3 CONDUIT FOR RCVM AND FS INPUT WIRING
- (L) 3" SIZE, TYPE 3 CONDUIT FOR LOW VOLTAGE WIRING
- (N) 2 GANG WEATHER PROOF BOX WITH GROUND FAULT PROTECTED RECEPTACLE
- (O) ON-OFF SWITCH, SEE DETAIL "A" ON THIS SHEET
- (P) STAINLESS STEEL BACK BOARD (3/16" Min THICKNESS), ATTACHED TO ENCLOSURE
- (Q) CIRCUIT BREAKERS
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- (X) VANDAL RESISTANT ENCLOSURE FOR RAIN SENSOR
- (Y) 1/2" FLEXABLE CONDUIT FOR CONTROL WIRES AS REQ.
- (Z) 1 1/2" FLEXABLE CORRUGATED WIRE LOOM

LANDSCAPE DETAILS

NO SCALE

LD-9

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ENVIRONMENTAL
Caltrans

SENIOR ENVIRONMENTAL PLANNER: KIM SMITH
CALCULATED-DESIGNED BY: MIKE CONNELLY
CHECKED BY: HENRY BARNES
REVISED BY
DATE REVISED

LAST REVISION 12-31-13
DATE PLOTTED => 24-MAR-2014
TIME PLOTTED => 15:31

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	976	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
STEPHEN P. WARREN No. 3442
Signature
10-31-14
Renewal Date
10-29-13
Date
STATE OF CALIFORNIA

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

EROSION CONTROL SUMMARY

	BONDED FIBER MATRIX			DRY SEED		
	EC (TYPE 1)	EC (TYPE 2)	EC (TYPE 3)	EC (TYPE 4)	EC (TYPE 5)	EC (TYPE 6)
SHEET	Acre	Acre	Acre	Acre	Acre	Acre
PP-1	0.53	0.68	-	-	-	-
PP-2	0.97	1.78	-	-	-	-
PP-3	0.69	0.44	-	0.94	-	-
PP-4	0.65	0.30	0.81	1.04	-	-
PP-5	0.59	0.36	0.92	1.12	-	-
PP-6	1.21	1.19	0.31	1.68	-	-
PP-7	0.90	0.27	2.69	0.89	-	-
PP-8	0.72	0.58	1.18	1.07	-	-
PP-9	0.42	2.55	1.10	1.00	-	-
PP-10	0.91	0.29	1.19	1.21	-	-
PP-11	0.49	0.28	0.89	0.88	-	-
PP-12	0.49	0.77	0.27	1.14	-	-
PP-13	0.69	0.91	1.20	2.05	-	-
PP-14	-	2.17	-	0.31	-	-
PP-15	0.72	1.93	0.64	1.76	-	-
PP-16	0.69	0.50	1.11	1.67	-	-
PP-17	0.49	0.61	1.15	1.69	-	-
PP-18	0.28	0.95	1.02	2.03	-	-
PP-19	1.61	0.81	0.55	1.46	-	-
PP-20	1.45	0.63	-	1.04	-	-
PP-21	2.19	0.34	-	-	-	-
PP-22	2.98	0.49	-	-	-	-
PP-23	1.13	0.54	-	-	-	-
PP-24	2.30	0.79	0.12	-	-	-
PP-25	0.12	1.31	5.46	-	-	-
PP-26	-	6.9	-	-	-	-
PP-27		3.75	6.12	-	-	-
PP-28	-	3.31	1.08	-	-	-
PP-29	-	2.78	3.86	-	-	-
PP-30	-	3.10	1.74	-	-	-
PP-31	-	0.03	-	-	-	-
PP-32	-	-	-	0.70	-	-
PP-33	-	-	-	4.12	-	-
PP-34	-	-	-	3.83	-	-
PP-35	-	-	-	0.85	0.32	0.35
PP-36	-	-	-	0.69	4.35	5.24
PP-37	-	-	-	0.89	9.35	3.70
PP-38	-	-	-	5.47	2.30	7.63
PP-39	-	-	-	0.04	2.31	13.21
PP-40	-	-	-	-	3.44	5.41
PP-41	-	-	-	5.79	1.35	1.61
PP-42	-	-	-	12.26	0.02	-
PP-43	-	-	-	13.22	-	3.18
PP-44	-	-	-	15.13	0.76	0.26
PP-45	-	-	-	7.60	2.17	3.29
PP-46	-	-	0.78	0.29	-	-
SUBTOTAL	23.22	41.34	34.19	93.86	26.37	43.88
TOTAL	98.75			164.11		

WEED GERMINATION

SHEET	SQYD
PP-1	2,565
PP-2	4,695
PP-3	10,357
PP-4	19,181
PP-5	16,903
PP-6	20,968
PP-7	24,675
PP-8	18,333
PP-9	25,946
PP-10	20,569
PP-11	14,228
PP-12	19,110
PP-13	19,711
PP-14	12,584
PP-15	25,226
PP-16	20,271
PP-17	19,752
PP-18	26,623
PP-19	24,302
PP-20	16,030
PP-21	12,791
PP-22	17,303
PP-23	17,569
PP-24	16,322
PP-25	26,668
PP-26	-
PP-27	41,866
PP-28	18,489
PP-29	32,137
PP-30	20,086
PP-31	-
PP-32	-
PP-33	23,683
PP-34	19,627
PP-35	5,808
PP-36	24,394
PP-37	51,934
PP-38	43,609
PP-39	18,459
PP-40	16,650
PP-41	41,421
PP-42	59,958
PP-43	67,760
PP-44	82,037
PP-45	50,433
PP-46	8,421
TOTAL	1,079,454

MITIGATION SIGN

SHEET	(TYPE 1) EA	(TYPE 2) EA
PP-33	4	1
PP-34	2	2
PP-35	4	-
PP-36	2	1
PP-37	2	-
PP-40	2	-
PP-41	2	1
PP-45	1	2
TOTAL	19	7

INCORPORATE MATERIALS

SHEET	SQFT
PP-1	-
PP-2	-
PP-3	-
PP-4	22,810
PP-5	12,770
PP-6	8,390
PP-7	15,170
PP-8	10,365
PP-9	12,660
PP-10	16,115
PP-11	14,795
PP-12	6,000
PP-13	4,415
PP-14	-
PP-15	7,055
PP-16	9,506
PP-17	6,140
PP-18	17,015
PP-19	25,790
PP-20	13,890
PP-21	4,920
PP-22	4,574
PP-23	18,290
PP-24	7,090
PP-25	-
PP-26	-
PP-27	-
PP-28	-
PP-29	-
PP-30	-
PP-31	-
PP-32	-
TOTAL	237,760

COMPOST

SHEET	SQFT
PP-1	-
PP-2	-
PP-3	-
PP-4	22,810
PP-5	12,770
PP-6	8,390
PP-7	15,170
PP-8	10,365
PP-9	12,660
PP-10	16,115
PP-11	14,795
PP-12	6,000
PP-13	4,415
PP-14	-
PP-15	7,055
PP-16	9,506
PP-17	6,140
PP-18	17,015
PP-19	25,790
PP-20	13,890
PP-21	4,920
PP-22	4,574
PP-23	18,290
PP-24	7,090
PP-25	-
PP-26	-
PP-27	-
PP-28	-
PP-29	-
PP-30	-
PP-31	-
PP-32	-
TOTAL	237,760

DECOMPOSED GRANITE

SHEET	SQFT
PP-47	15,858
PP-48	8,245
TOTAL	24,103 *

* FOR ADDITIONAL QUANTITIES SEE SUMMARY OF QUANTITES

ROCK MULCH
(TYPE 1)

SHEET	SQYD
PP-2	1,699
PP-25	1,220
PP-27	1,190
PP-28	283
PP-29	2,795
TOTAL	7,187

ROCK MULCH
(TYPE 2)

SHEET	SQYD
LD-8	101
LD-9	453
TOTAL	554

ROCK MULCH
(TYPE 3)

SHEET	SQYD
LD-8	112
LD-9	215
TOTAL	327

LANDSCAPE QUANTITIES

LQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE
SENIOR LANDSCAPE ARCHITECT: STEPHEN ALVAREZ
CALCULATED-DESIGNED BY: STEPHEN P. WARREN
CHECKED BY: JOEL HORTIZUELA
REVISED BY: X
DATE REVISED: MM-DD-YY

LAST REVISION 12-31-13
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:53

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	977	1273

REGISTERED CIVIL ENGINEER 10-30-13 DATE

03-24-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER KATHRYN WALKER No. C77900 Exp. 06-30-15 CIVIL STATE OF CALIFORNIA

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

DOKKEN ENGINEERING
5675 RUFFIN RD
SUITE 250
SAN DIEGO, CA 92123

NOTE:

1. SEE PLANTING PLANS FOR ADDITIONAL LOCATIONS OF EROSION CONTROL (BFM) AND BIOSWALE PLANTING (NATIVE SOD, COMPOST AND INCORPORATE MATERIALS)

ABBREVIATION:

EC (BFM) EROSION CONTROL (BONDED FIBER MATRIX)

FIBER ROLLS

SEQUENCE	ITEM	SYMBOL	MATERIAL		REMARKS
			DESCRIPTION	TYPE	
FIBER ROLLS MUST BE INSTALLED BEFORE EC (BFM)	FIBER ROLLS		FIBER ROLLS	TYPE B 8" TO 10" Dia	TYPE 1 FIBER ROLL INSTALLATION

DRAINAGE INLET PROTECTION

SEQUENCE	ITEM	SYMBOL	MATERIAL		REMARKS
			DESCRIPTION	TYPE	
DIP MUST BE INSTALLED AFTER INCORPORTATION OF MATERIALS AND NATIVE SOD INSTALLATION OR AFTER EC (BFM) AS SHOWN	DI PROTECTION		FIBER ROLLS	TYPE B 8" TO 10" Dia	TYPE 2 FIBER ROLL INSTALLATION
			EROSION CONTROL BLANKET	TYPE B	

EROSION CONTROL (BONDED FIBER MATRIX)

SYMBOL	SEQUENCE	ITEM	MATERIAL		APPLICATION RATE	REMARKS
			DESCRIPTION	TYPE		
	STEP 1	BONDED FIBER MATRIX	FIBER		2500 LB/ACRE FOR SLOPES = 4:1 (Horis:Vert) 3000 LB/ACRE FOR SLOPES > 4:1 AND = 3:1 (Horiz:Vert) 3500 LB/ACRE FOR SLOPES > 3:1 AND = 2:1 (Horiz:Vert) 4000 LB/ACRE FOR SLOPES > 2:1 AND = 1:1 (Horiz:Vert) 4500 LB/ACRE FOR SLOPES > 1:1 (Horiz:Vert)	APPLICATION RATE IS FOR FIBER AND TACKIFIER COMBINED
			TACKIFIER			
	STEP 2	BONDED FIBER MATRIX	FIBER		500 LB/ACRE	
			TACKIFIER			

EROSION CONTROL (ROLLED EROSION CONTROL PRODUCT)

SYMBOL	SEQUENCE	ITEM	MATERIAL	
			DESCRIPTION	TYPE
	STEP 1	ROLLED EROSION CONTROL PRODUCT (NETTING)	NETTING	TYPE B

EROSION CONTROL LEGEND

ECL-1

REVISED BY | DATE REVISED
KATHRYN WALKER | SHU-WEN LIU
CALCULATED-DESIGNED BY | CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR | JOSH STONE
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 03-14-14 | DATE PLOTTED => 20-MAR-2014 | TIME PLOTTED => 15:53

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	978	1273

10-30-13
REGISTERED CIVIL ENGINEER DATE

03-24-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
KATHRYN WALKER
No. C77900
Exp. 06-30-15
CIVIL
STATE OF CALIFORNIA

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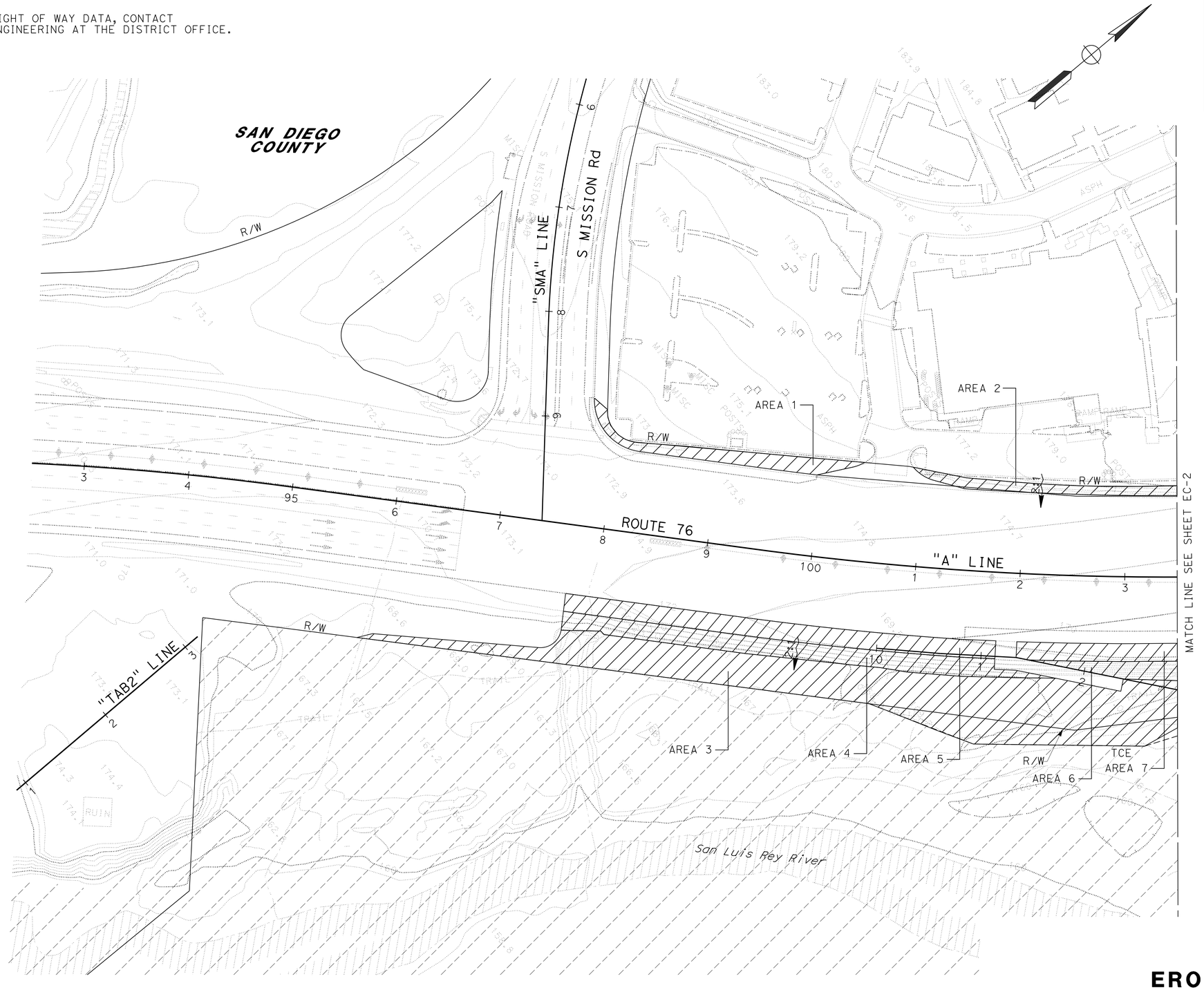
DOKKEN ENGINEERING
5675 RUFFIN RD
SUITE 250
SAN DIEGO, CA 92123

NOTE:

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



APPROVED FOR EROSION CONTROL WORK ONLY

EROSION CONTROL PLAN

SCALE: 1" = 50'

EC-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: JOSH STONE
CALCULATED-DESIGNED BY: KATHRYN WALKER
CHECKED BY: SHU-WEN LIU
REVISED BY
DATE REVISED

LAST REVISION 03-14-14
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:53

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REGISTERED CIVIL ENGINEER 10-30-13 DATE

03-24-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER KATHRYN WALKER No. C77900 Exp. 06-30-15 CIVIL STATE OF CALIFORNIA

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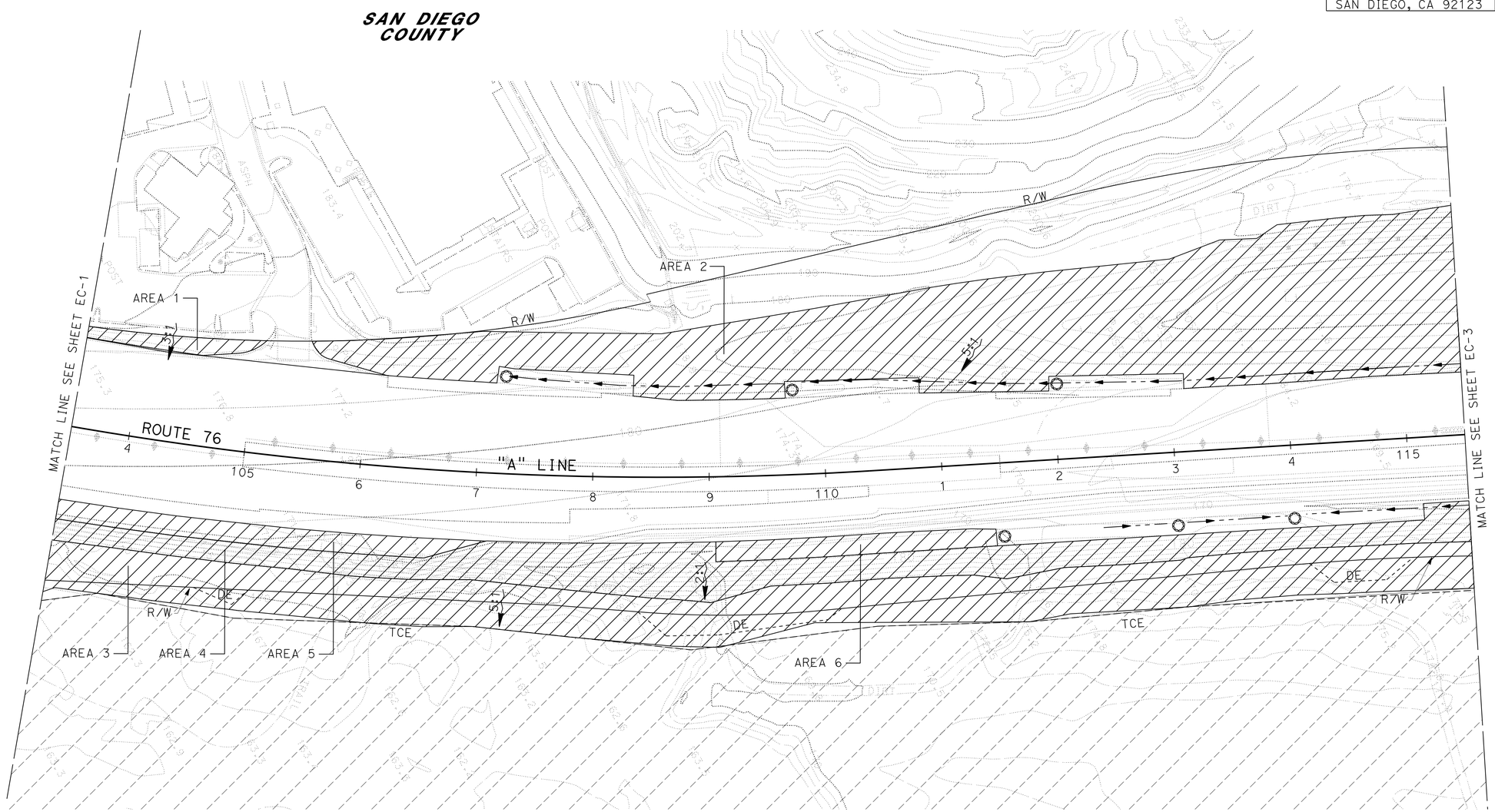
DOKKEN ENGINEERING
5675 RUFFIN RD
SUITE 250
SAN DIEGO, CA 92123

NOTE:

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



EROSION CONTROL PLAN

SCALE: 1" = 50'

EC-2

APPROVED FOR EROSION CONTROL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: JOSH STONE
CALCULATED-DESIGNED BY: KATHRYN WALKER
CHECKED BY: SHU-WEN LIU
REVISED BY
DATE REVISED

LAST REVISION 03-14-14
DATE PLOTTED => 20-MAR-2014
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	980	1273

REGISTERED CIVIL ENGINEER 10-30-13 DATE

03-24-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER KATHRYN WALKER No. C77900 Exp. 06-30-15 CIVIL STATE OF CALIFORNIA

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DOKKEN ENGINEERING
5675 RUFFIN RD
SUITE 250
SAN DIEGO, CA 92123

NOTE:

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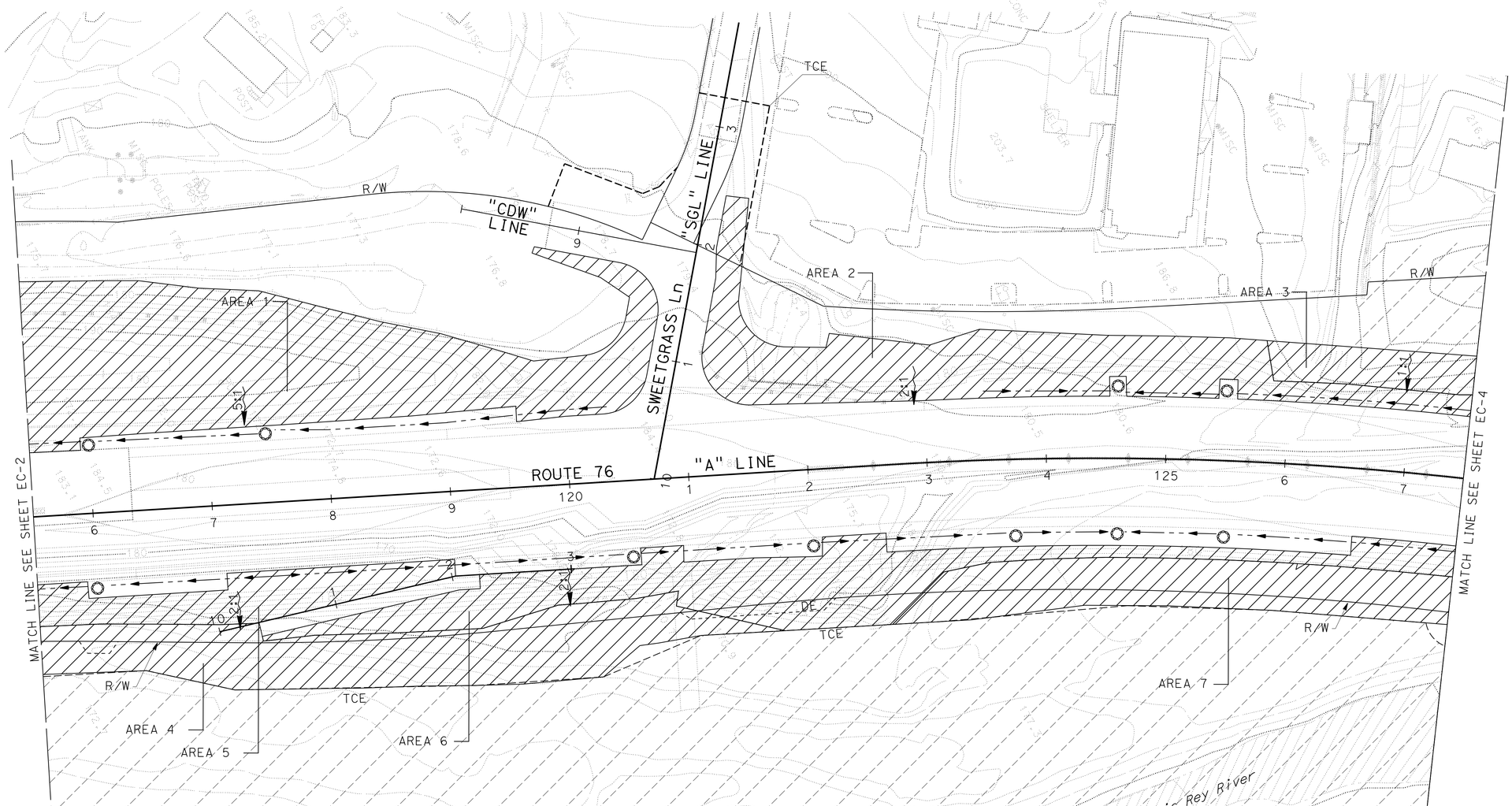
SAN DIEGO COUNTY



APPROVED FOR EROSION CONTROL WORK ONLY

EROSION CONTROL PLAN

SCALE: 1" = 50'

EC-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: JOSH STONE
CALCULATED-DESIGNED BY: KATHRYN WALKER
CHECKED BY: SHU-WEN LIU
REVISED BY
DATE REVISED

LAST REVISION 03-14-14
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:53

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	981	1273

10-30-13
REGISTERED CIVIL ENGINEER DATE

03-24-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
KATHRYN WALKER
No. C77900
Exp. 06-30-15
CIVIL
STATE OF CALIFORNIA

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5675 RUFFIN RD
SUITE 250
SAN DIEGO, CA 92123

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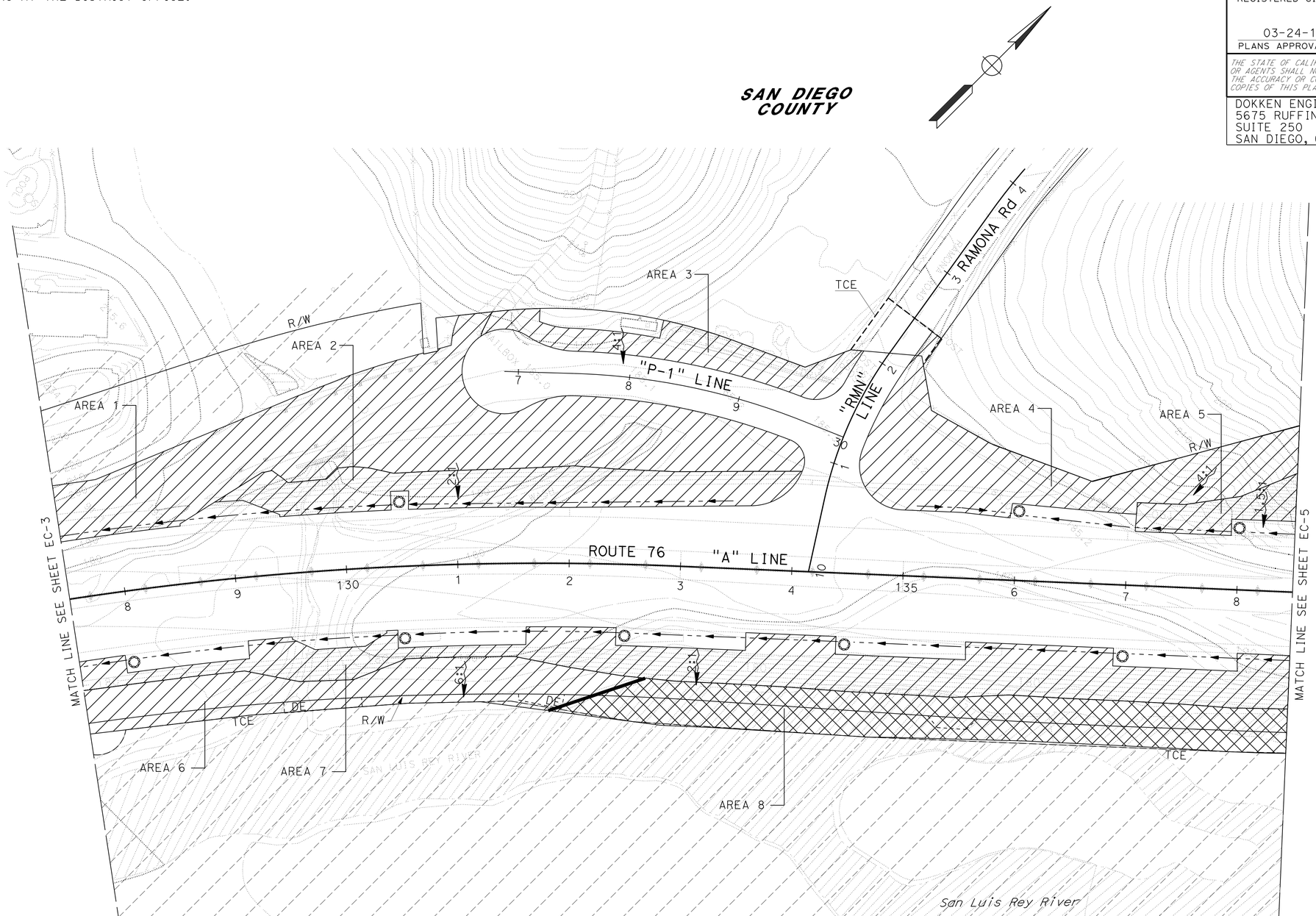

APPROVED FOR EROSION CONTROL WORK ONLY

EROSION CONTROL PLAN

SCALE: 1" = 50'

EC-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: JOSH STONE
CALCULATED-DESIGNED BY: KATHRYN WALKER
CHECKED BY: SHU-WEN LIU
REVISED BY
DATE REVISED

LAST REVISION 03-14-14
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:53

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	982	1273

REGISTERED CIVIL ENGINEER 10-30-13 DATE

03-24-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER KATHRYN WALKER No. C77900 Exp. 06-30-15 CIVIL STATE OF CALIFORNIA

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DOKKEN ENGINEERING
5675 RUFFIN RD
SUITE 250
SAN DIEGO, CA 92123

NOTE:

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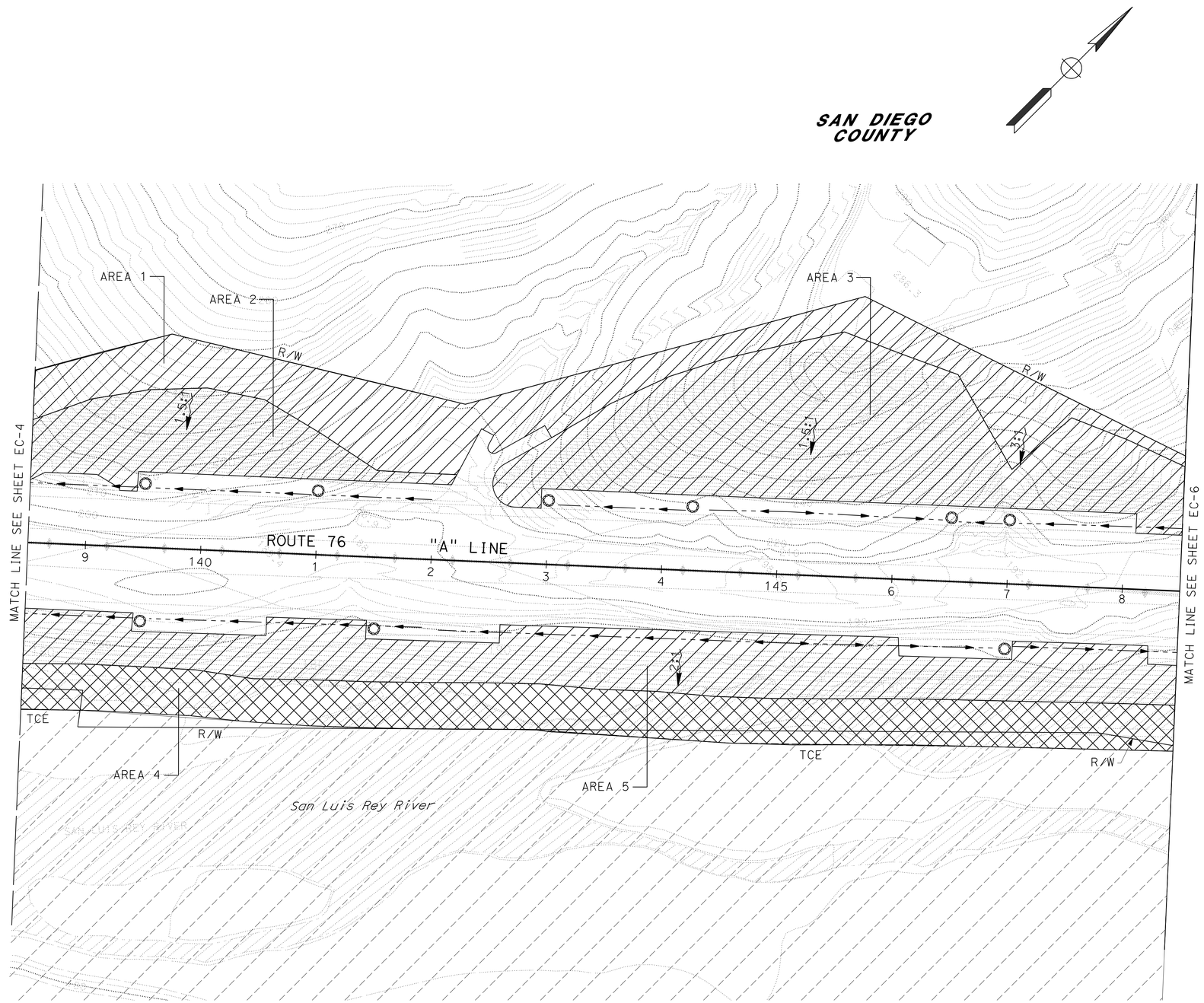

EROSION CONTROL PLAN

SCALE: 1" = 50'

EC-5

APPROVED FOR EROSION CONTROL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

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CHECKED BY: SHU-WEN LIU
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DATE REVISED

LAST REVISION 03-14-14
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:53

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	983	1273

10-30-13
REGISTERED CIVIL ENGINEER DATE

03-24-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
KATHRYN WALKER
No. C77900
Exp. 06-30-15
CIVIL
STATE OF CALIFORNIA

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5675 RUFFIN RD
SUITE 250
SAN DIEGO, CA 92123

NOTE:

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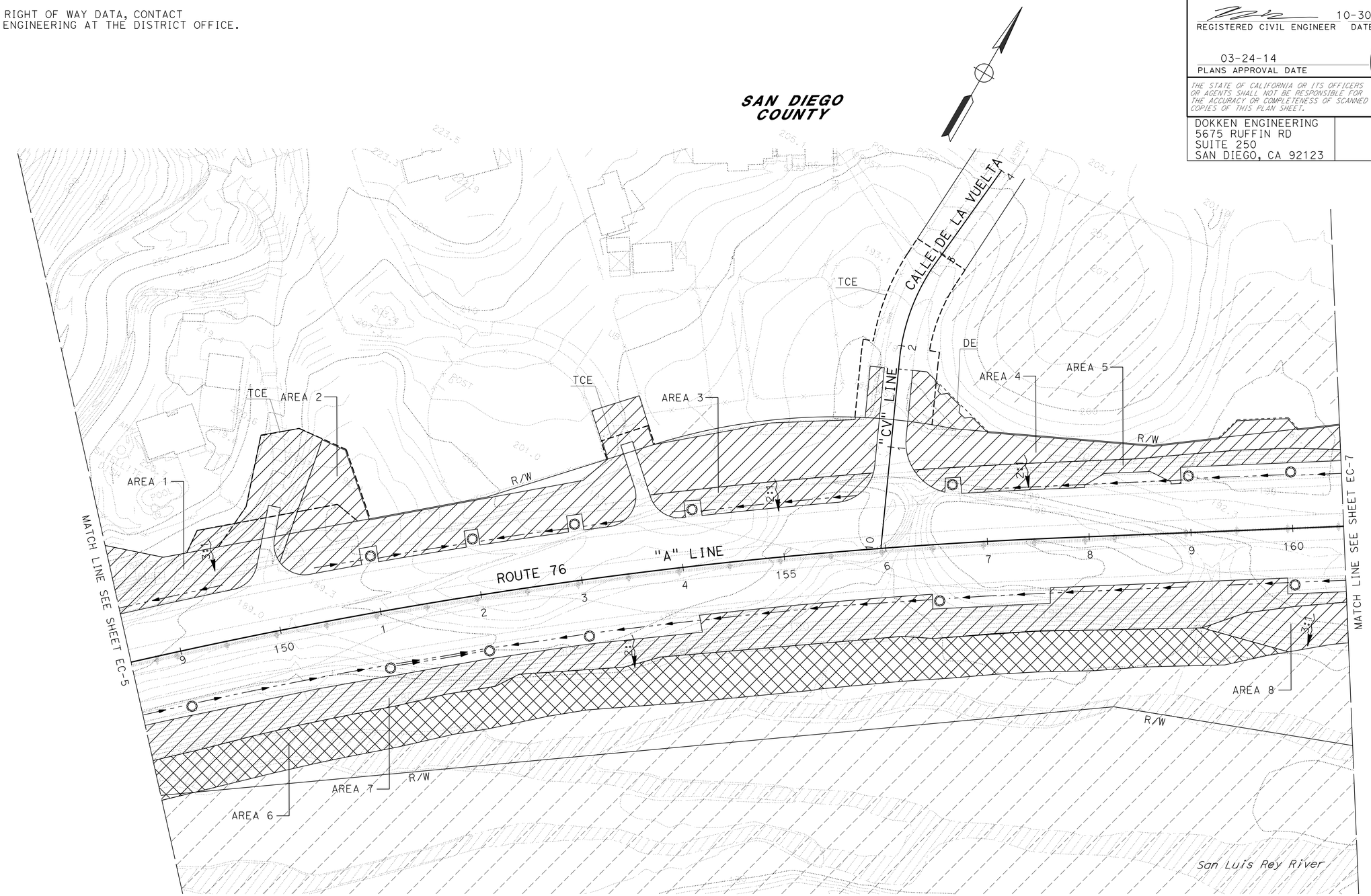

APPROVED FOR EROSION CONTROL WORK ONLY

EROSION CONTROL PLAN

SCALE: 1" = 50'

EC-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

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CALCULATED-DESIGNED BY: KATHRYN WALKER
CHECKED BY: SHU-WEN LIU
REVISED BY
DATE REVISED

LAST REVISION 03-14-14
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:53

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	984	1273

REGISTERED CIVIL ENGINEER 10-30-13 DATE

03-24-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER KATHRYN WALKER No. C77900 Exp. 06-30-15 CIVIL STATE OF CALIFORNIA

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5675 RUFFIN RD
SUITE 250
SAN DIEGO, CA 92123

NOTE:

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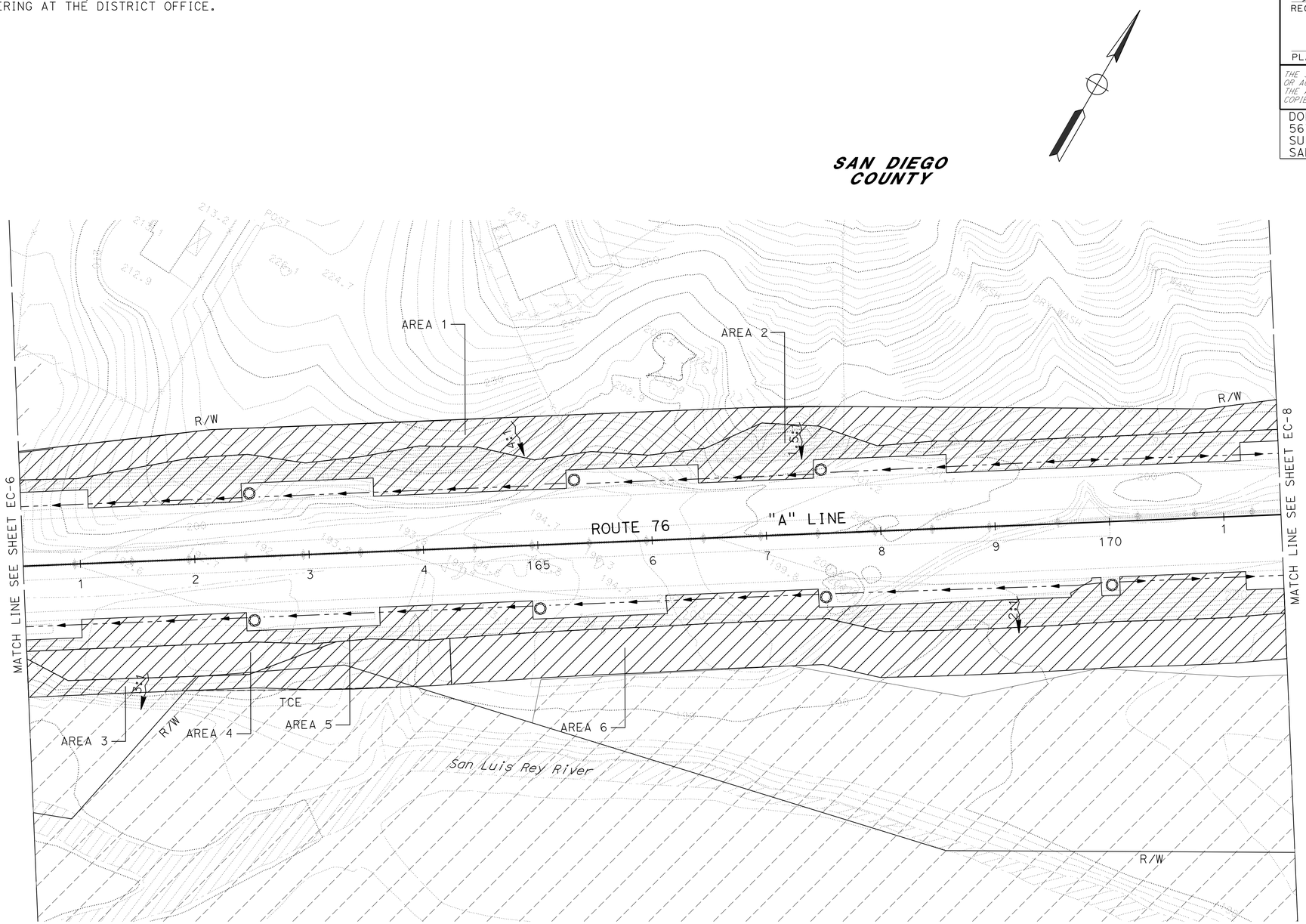

APPROVED FOR EROSION CONTROL WORK ONLY

EROSION CONTROL PLAN

SCALE: 1" = 50'

EC-7

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: JOSH STONE

CALCULATED-DESIGNED BY: SHU-WEN LIU

CHECKED BY: KATHRYN WALKER

REVISED BY

DATE REVISED

LAST REVISION 03-14-14

DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:53

BORDER LAST REVISED 7/2/2010

USERNAME => s127400
DGN FILE => 11000204891te007.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 2765

PROJECT NUMBER & PHASE 11000204891

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	985	1273

REGISTERED CIVIL ENGINEER 10-30-13 DATE

03-24-14
PLANS APPROVAL DATE

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5675 RUFFIN RD
SUITE 250
SAN DIEGO, CA 92123

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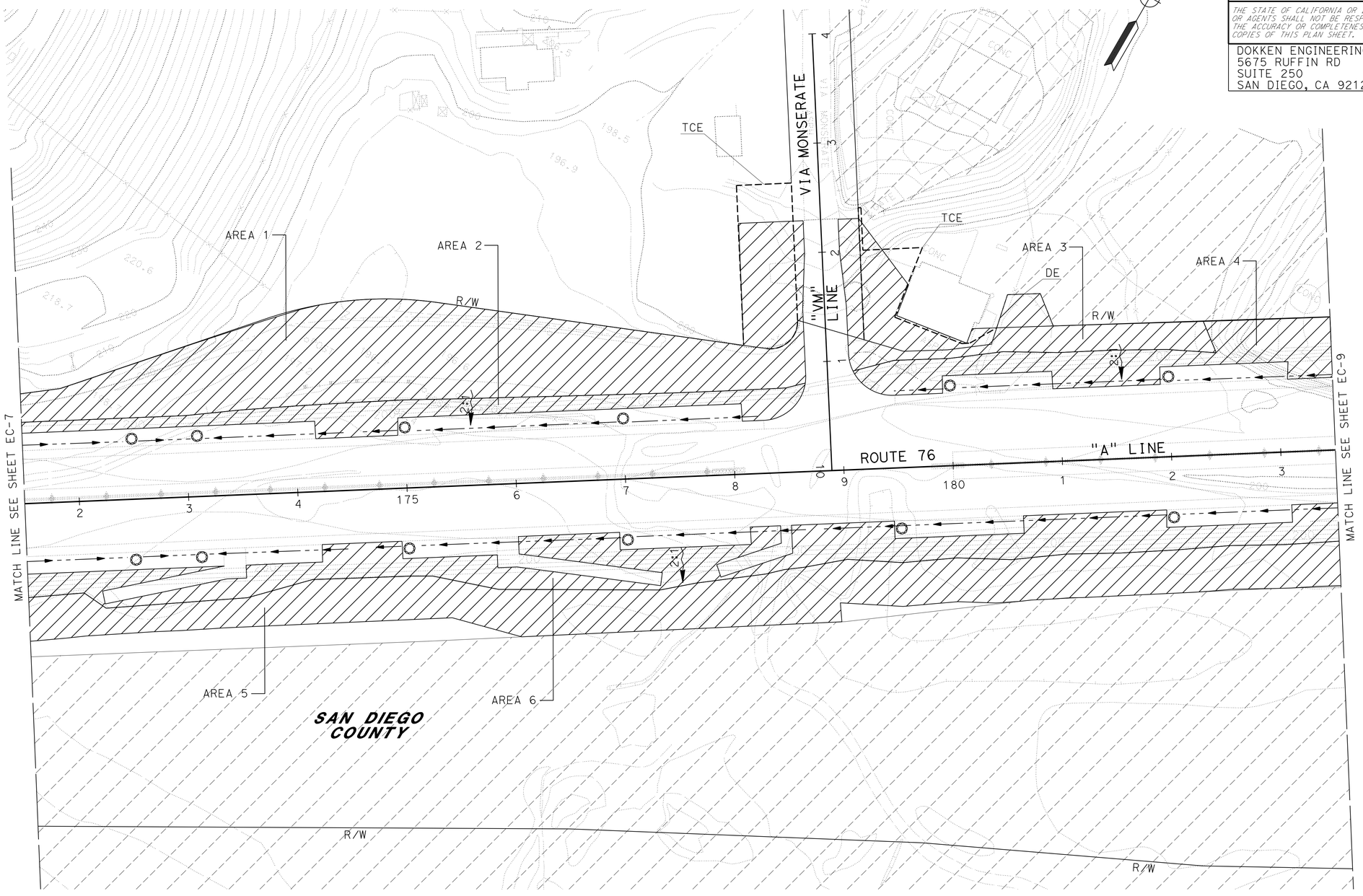

APPROVED FOR EROSION CONTROL WORK ONLY

EROSION CONTROL PLAN

SCALE: 1" = 50'

EC-8

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: JOSH STONE
CALCULATED-DESIGNED BY: KATHRYN WALKER
CHECKED BY: SHU-WEN LIU
REVISED BY
DATE REVISED

LAST REVISION 03-14-14
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:53

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	986	1273

REGISTERED CIVIL ENGINEER 10-30-13 DATE

03-24-14
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SUITE 250
SAN DIEGO, CA 92123

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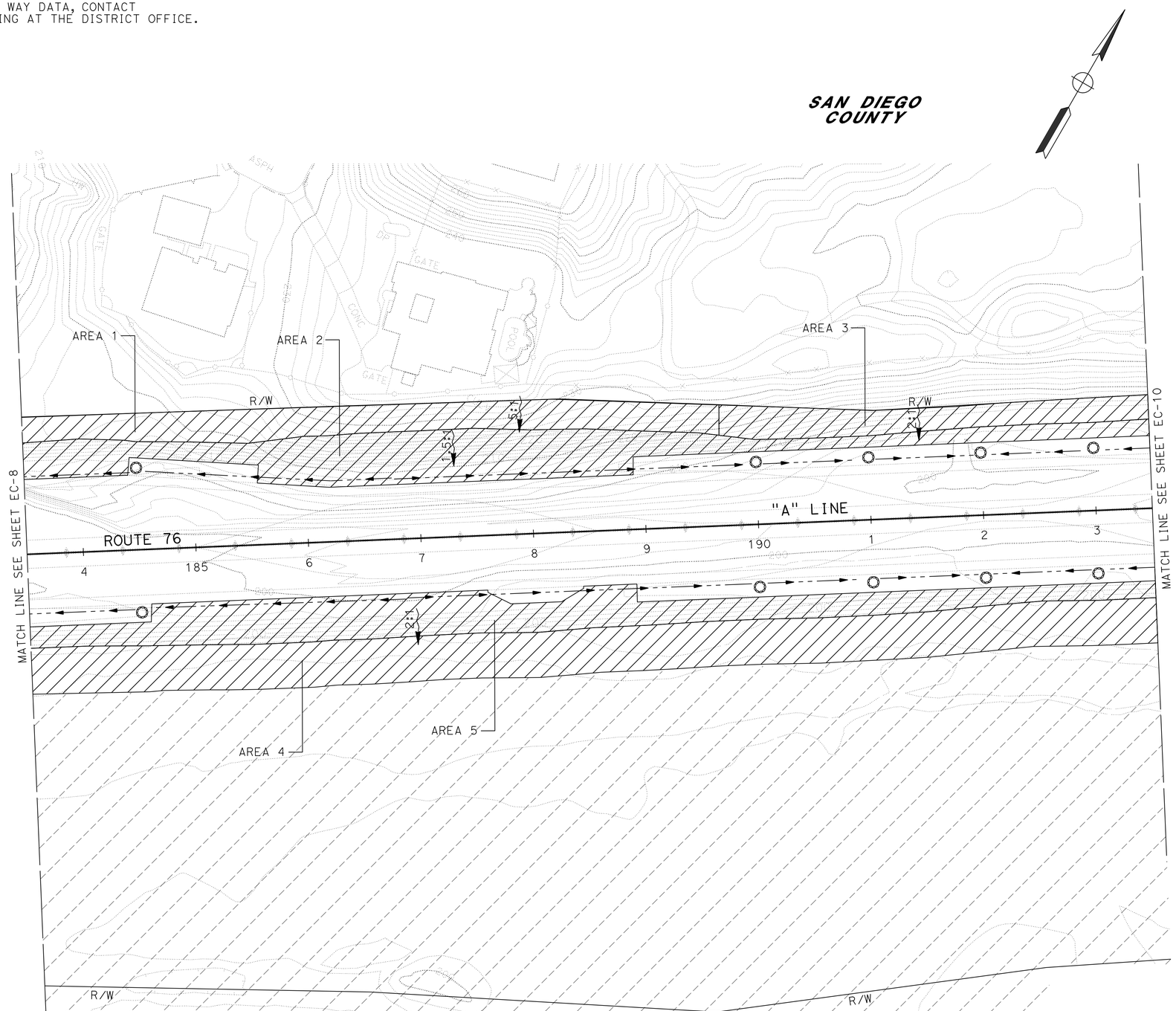

APPROVED FOR EROSION CONTROL WORK ONLY

EROSION CONTROL PLAN

SCALE: 1" = 50'

EC-9

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: JOSH STONE

CALCULATED-DESIGNED BY: SHU-WEN LIU

CHECKED BY: KATHRYN WALKER

REVISED BY

DATE REVISED

LAST REVISION 03-14-14

DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:53

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	987	1273

REGISTERED CIVIL ENGINEER 10-30-13 DATE

03-24-14
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SUITE 250
SAN DIEGO, CA 92123

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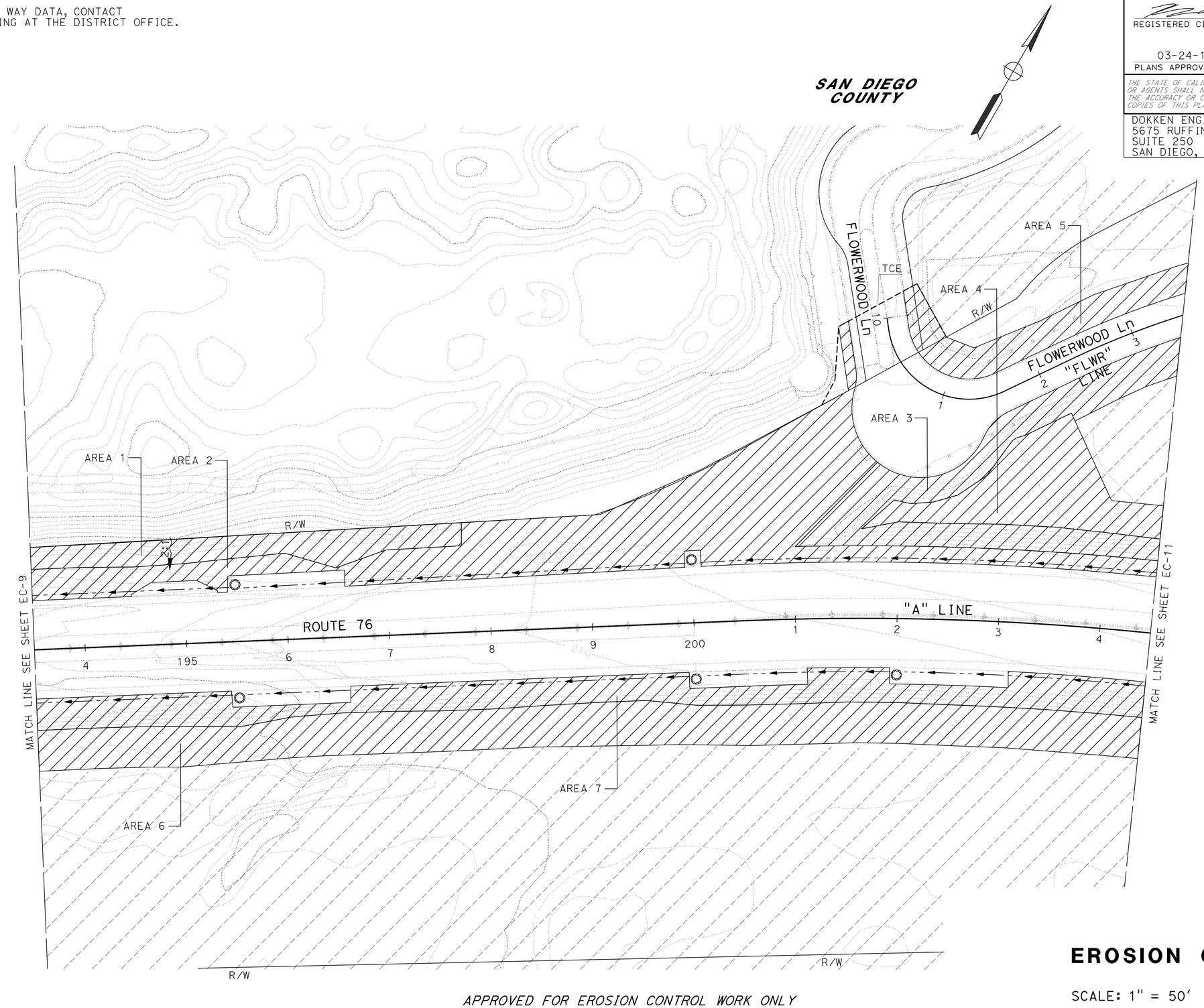

APPROVED FOR EROSION CONTROL WORK ONLY

EROSION CONTROL PLAN

SCALE: 1" = 50'

EC-10

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

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DATE REVISED

LAST REVISION 03-14-14
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	988	1273

REGISTERED CIVIL ENGINEER 10-30-13 DATE

03-24-14
PLANS APPROVAL DATE

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SUITE 250
SAN DIEGO, CA 92123

NOTE:

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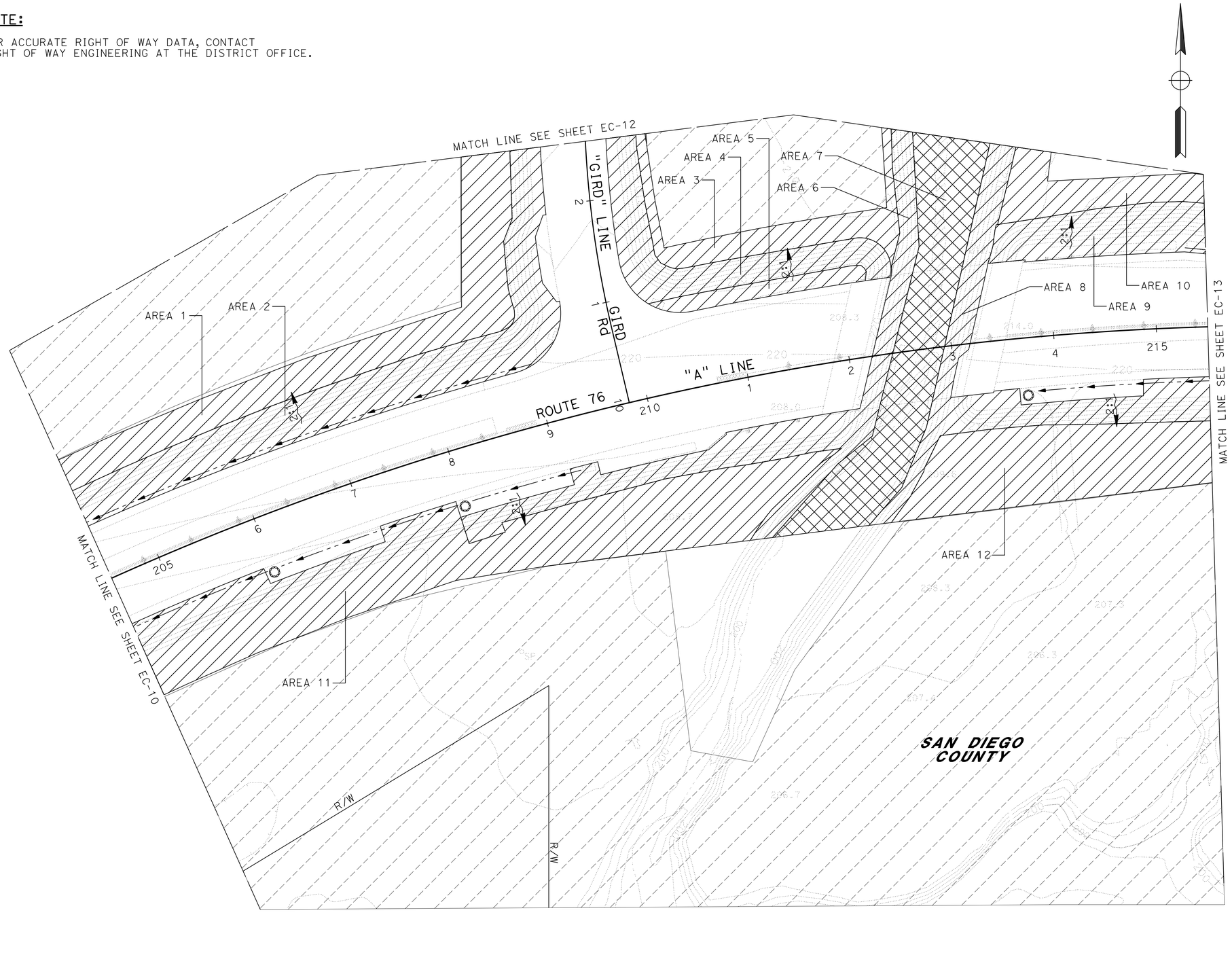

APPROVED FOR EROSION CONTROL WORK ONLY

EROSION CONTROL PLAN

SCALE: 1" = 50'

EC-11

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: JOSH STONE
CALCULATED-DESIGNED BY: KATHRYN WALKER
CHECKED BY: SHU-WEN LIU
REVISED BY
DATE REVISED

LAST REVISION 03-14-14
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:53

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	989	1273

REGISTERED CIVIL ENGINEER 10-30-13 DATE

03-24-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER KATHRYN WALKER No. C77900 Exp. 06-30-15 CIVIL STATE OF CALIFORNIA

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SUITE 250
SAN DIEGO, CA 92123

NOTE:

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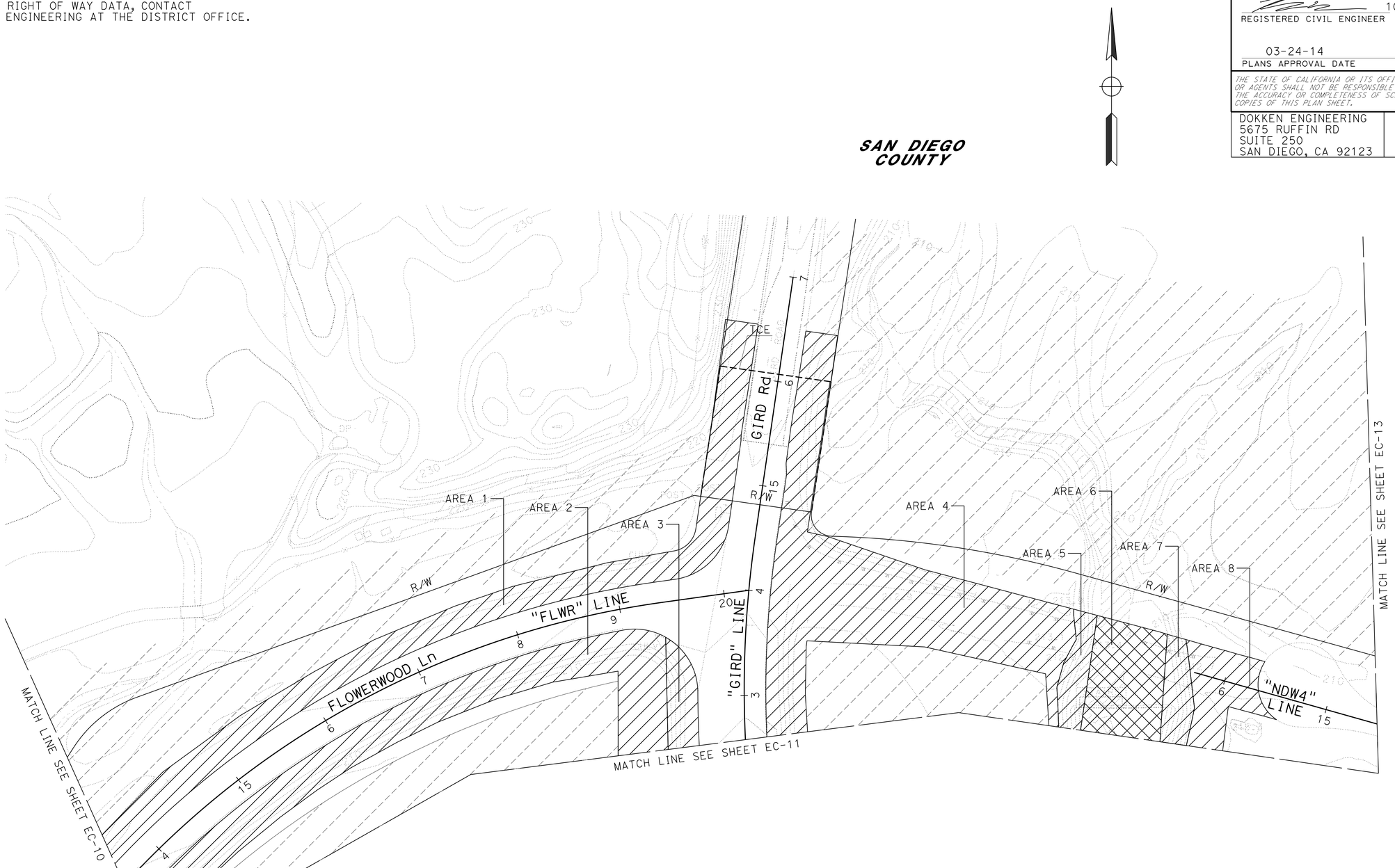

EROSION CONTROL PLAN

SCALE: 1" = 50'

APPROVED FOR EROSION CONTROL WORK ONLY

EC-12

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: JOSH STONE
CALCULATED-DESIGNED BY: SHU-WEN LIU
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REVISED BY
DATE REVISED

LAST REVISION 03-14-14
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:53

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	990	1273

REGISTERED CIVIL ENGINEER 10-30-13 DATE

03-24-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
KATHRYN WALKER
No. C77900
Exp. 06-30-15
CIVIL
STATE OF CALIFORNIA

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SUITE 250
SAN DIEGO, CA 92123

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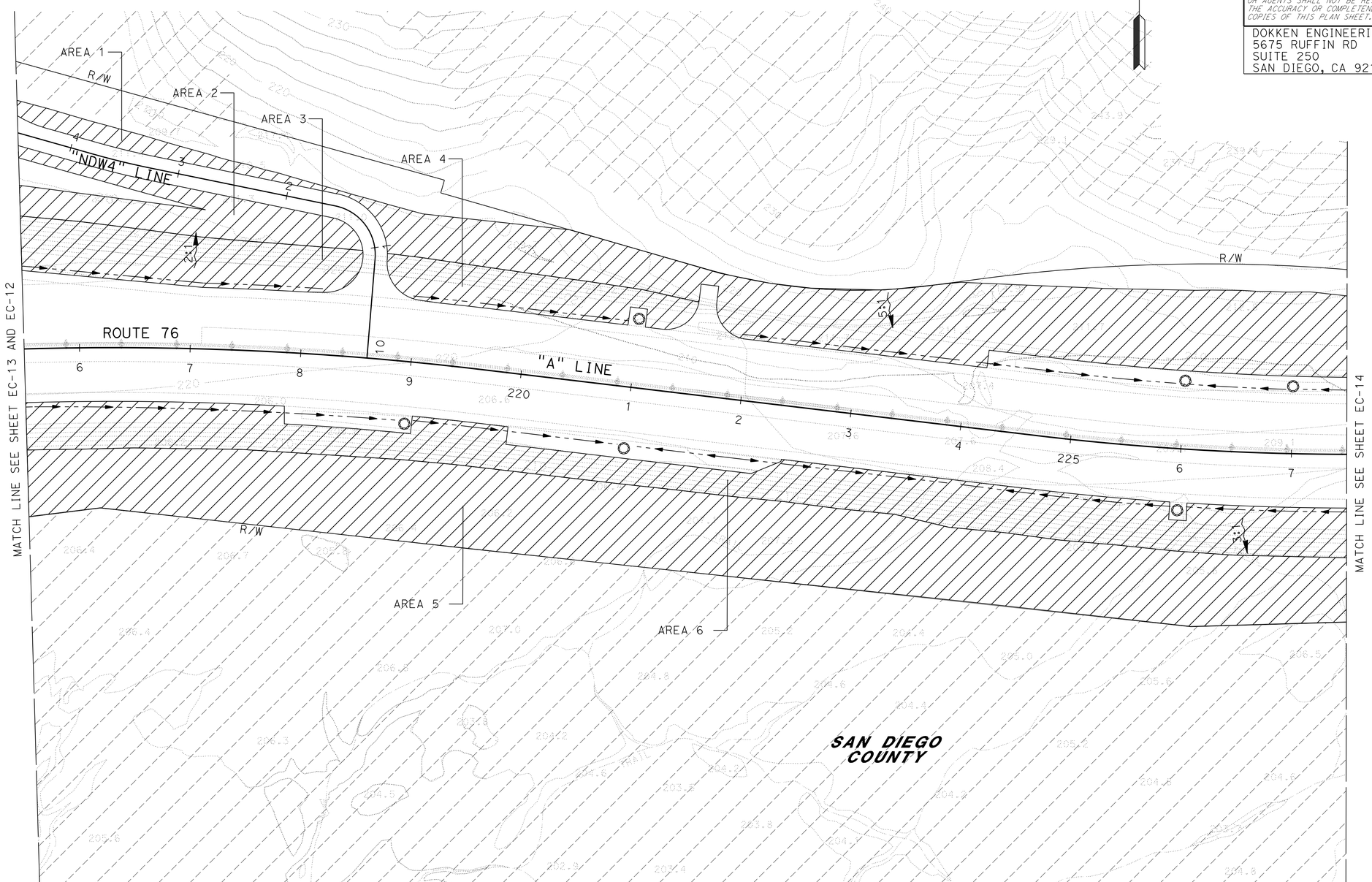

APPROVED FOR EROSION CONTROL WORK ONLY

EROSION CONTROL PLAN

SCALE: 1" = 50'

EC-13

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: JOSH STONE
CALCULATED-DESIGNED BY: KATHRYN WALKER
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REVISED BY
DATE REVISED

LAST REVISION 03-14-14 | DATE PLOTTED => 20-MAR-2014 | TIME PLOTTED => 15:53

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	991	1273

REGISTERED CIVIL ENGINEER 10-30-13 DATE

03-24-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER KATHRYN WALKER No. C77900 Exp. 06-30-15 CIVIL STATE OF CALIFORNIA

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5675 RUFFIN RD
SUITE 250
SAN DIEGO, CA 92123

NOTE:

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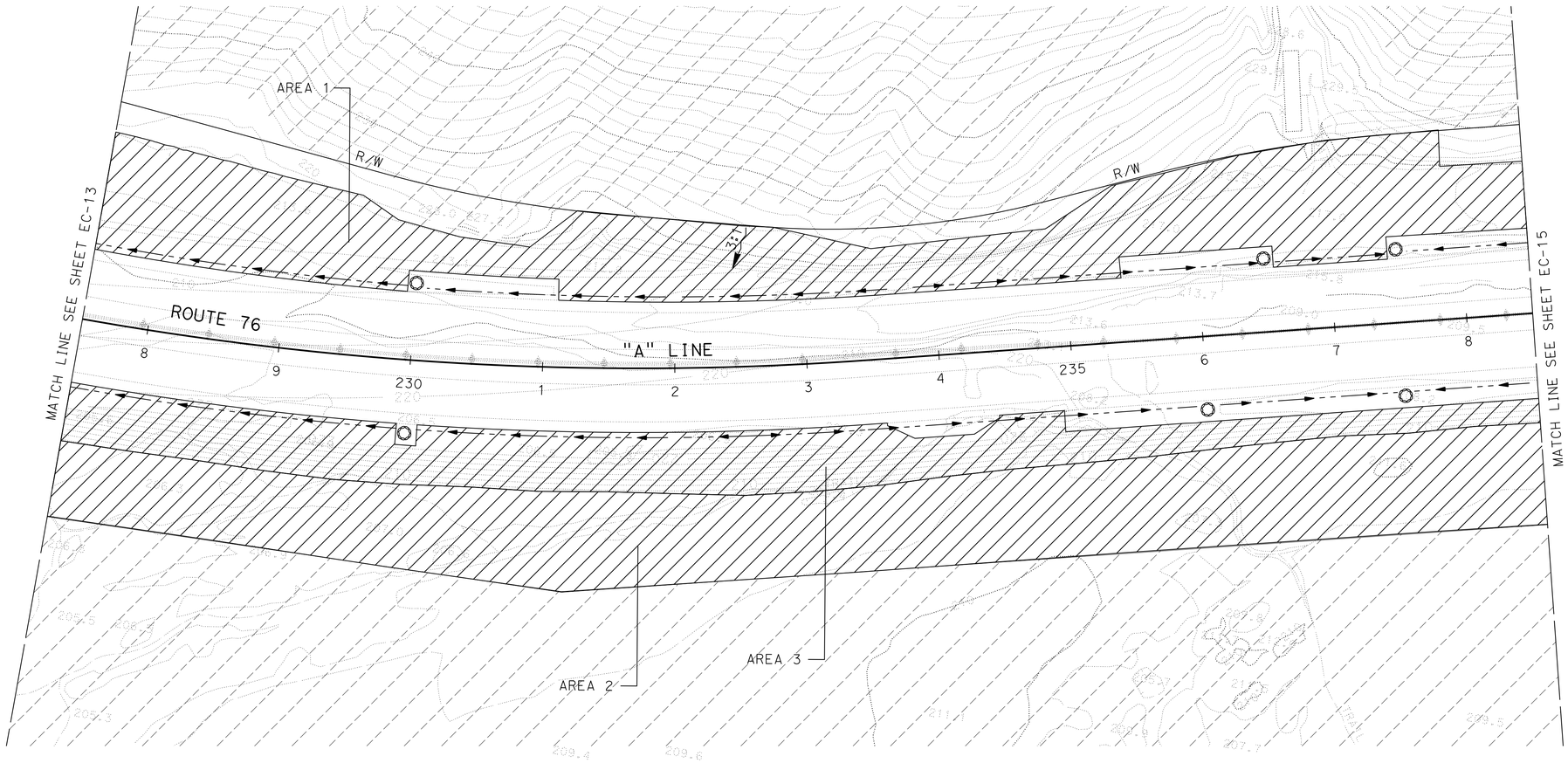
SAN DIEGO COUNTY



APPROVED FOR EROSION CONTROL WORK ONLY

EROSION CONTROL PLAN

SCALE: 1" = 50'

EC-14

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: JOSH STONE
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11	SD	15,76	R46.2/R46.8, R12.1/R17.7	992	1273

REGISTERED CIVIL ENGINEER 10-30-13 DATE

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SUITE 250
SAN DIEGO, CA 92123

NOTE:

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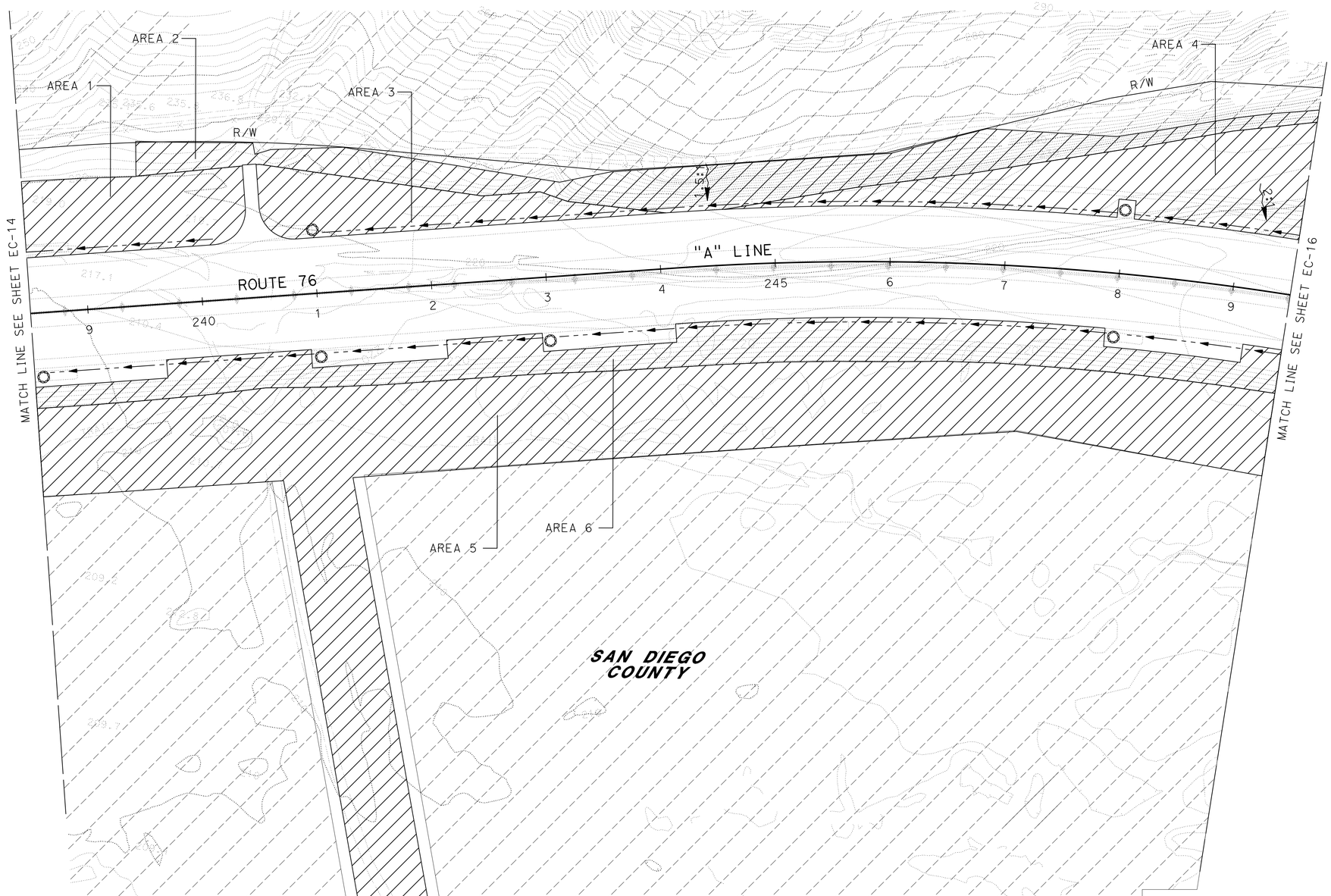

APPROVED FOR EROSION CONTROL WORK ONLY

EROSION CONTROL PLAN

SCALE: 1" = 50'

EC-15

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

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11	SD	15,76	R46.2/R46.8, R12.1/R17.7	993	1273

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SUITE 250
SAN DIEGO, CA 92123

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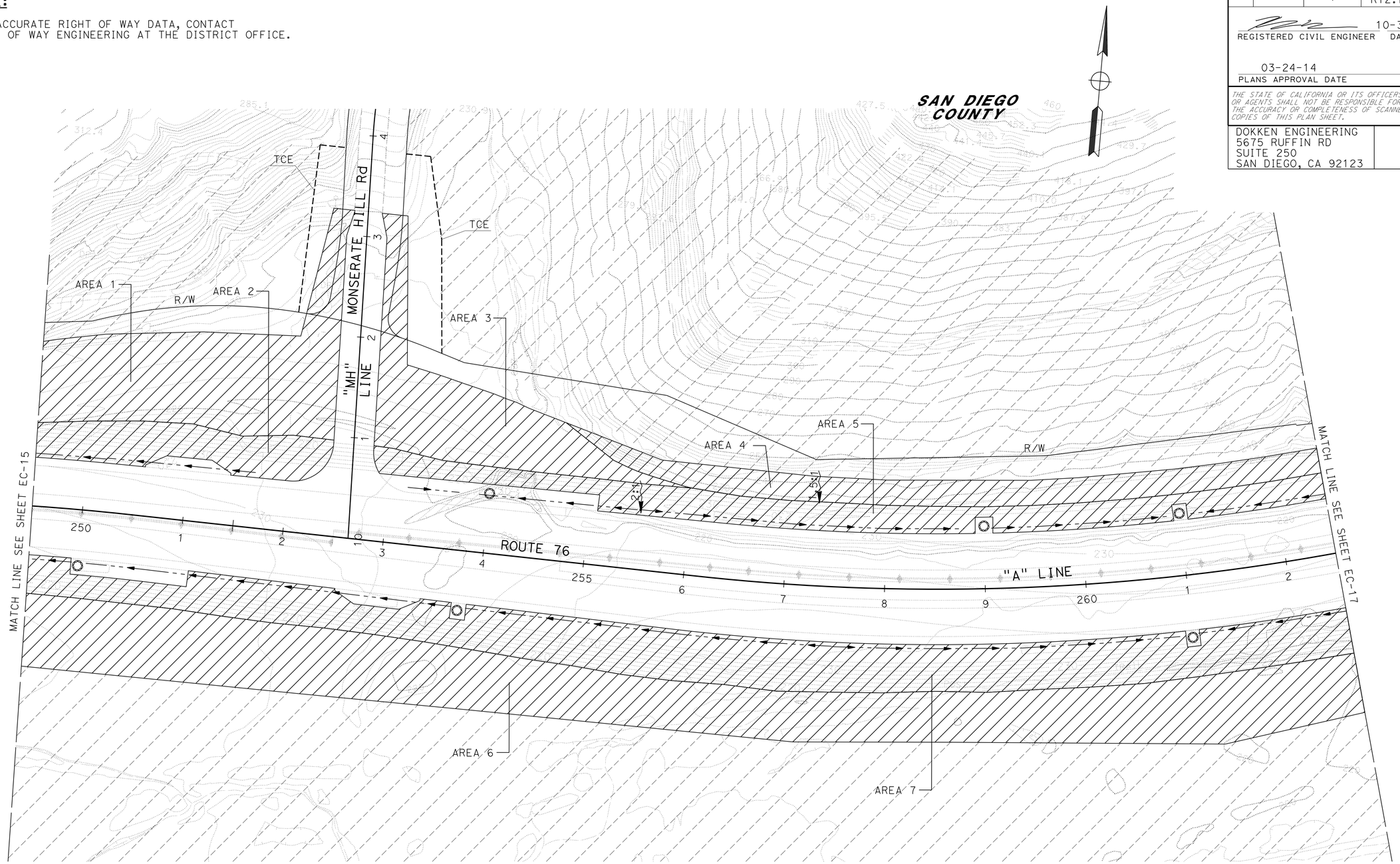

EROSION CONTROL PLAN

APPROVED FOR EROSION CONTROL WORK ONLY

SCALE: 1" = 50'

EC-16

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: JOSH STONE
CALCULATED-DESIGNED BY: SHU-WEN LIU
CHECKED BY: KATHRYN WALKER
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DATE REVISED

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	994	1273

REGISTERED CIVIL ENGINEER 10-30-13 DATE

03-24-14
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SUITE 250
SAN DIEGO, CA 92123

NOTE:

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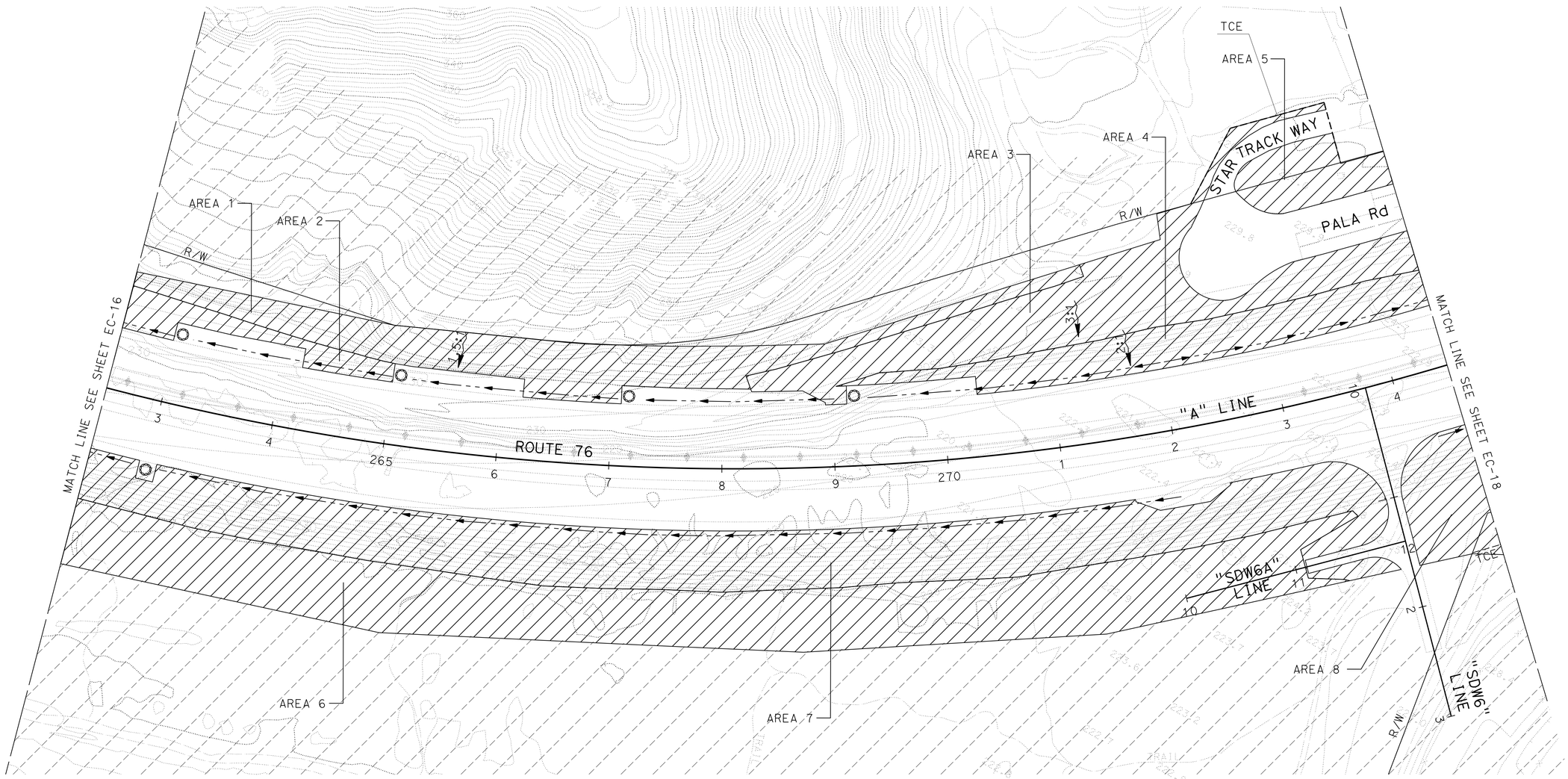
SAN DIEGO COUNTY



APPROVED FOR EROSION CONTROL WORK ONLY

EROSION CONTROL PLAN

SCALE: 1" = 50'

EC-17

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

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CALCULATED-DESIGNED BY: KATHRYN WALKER
CHECKED BY: SHU-WEN LIU
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11	SD	15,76	R46.2/R46.8, R12.1/R17.7	995	1273

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03-24-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER KATHRYN WALKER No. C77900 Exp. 06-30-15 CIVIL STATE OF CALIFORNIA

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DOKKEN ENGINEERING
5675 RUFFIN RD
SUITE 250
SAN DIEGO, CA 92123

NOTE:

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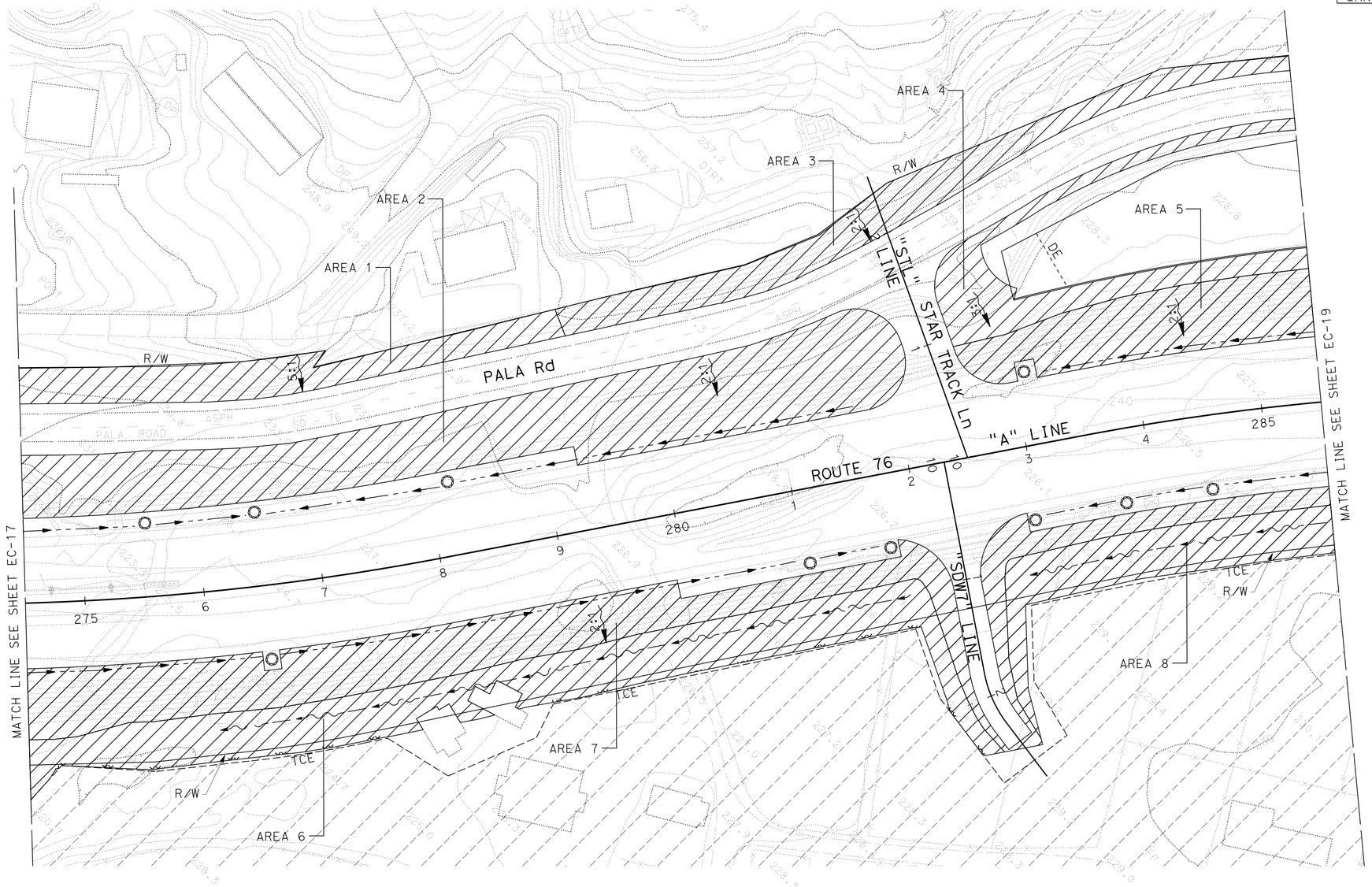
SAN DIEGO COUNTY



APPROVED FOR EROSION CONTROL WORK ONLY

EROSION CONTROL PLAN

SCALE: 1" = 50'

EC-18

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: JOSH STONE
CALCULATED-DESIGNED BY: KATHRYN WALKER
CHECKED BY: SHU-WEN LIU
REVISED BY
DATE REVISED

LAST REVISION 03-14-14
DATE PLOTTED => 20-MAR-2014
TIME PLOTTED => 15:53

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	996	1273

REGISTERED CIVIL ENGINEER 10-30-13 DATE

03-24-14
PLANS APPROVAL DATE

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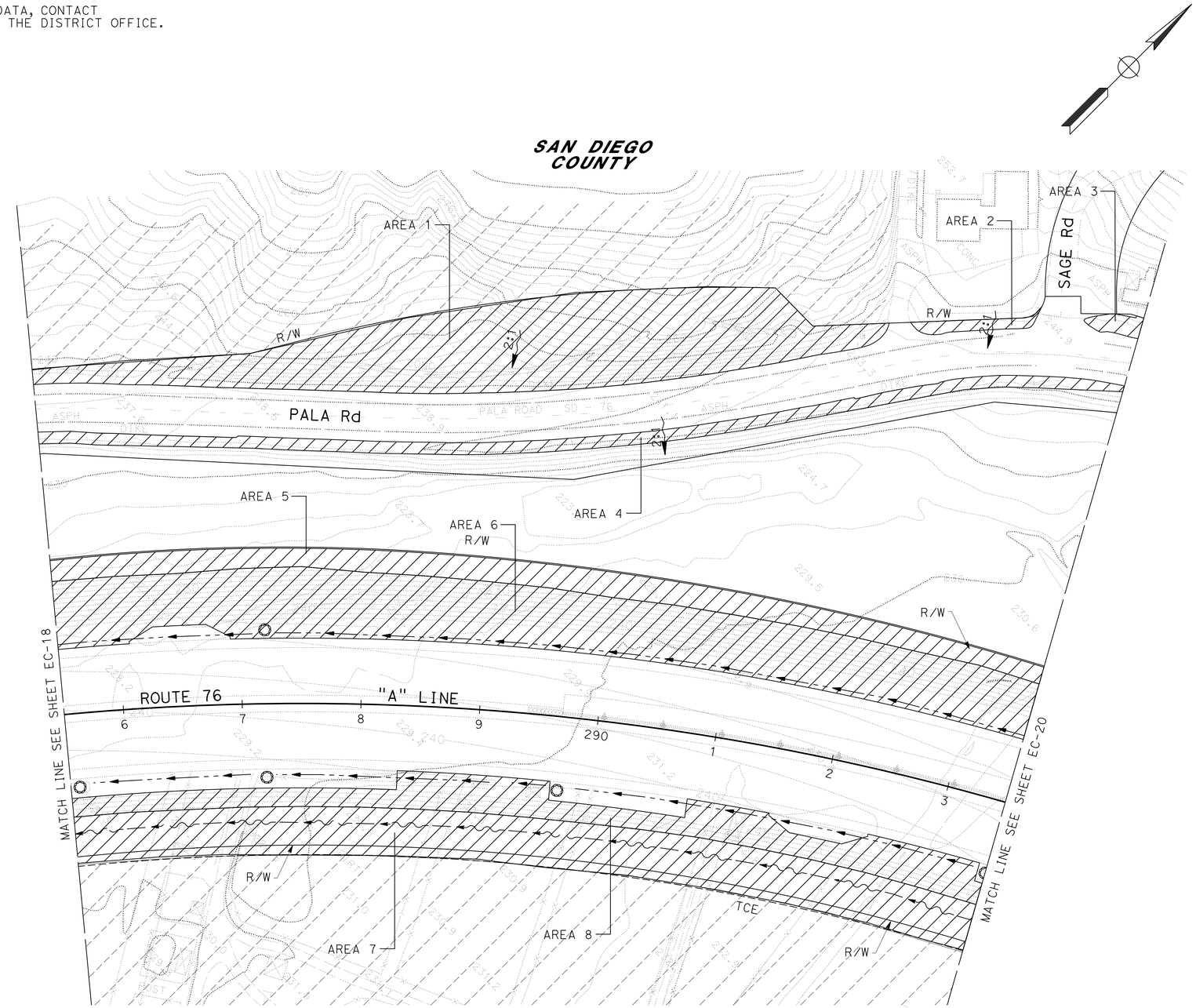

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EROSION CONTROL PLAN

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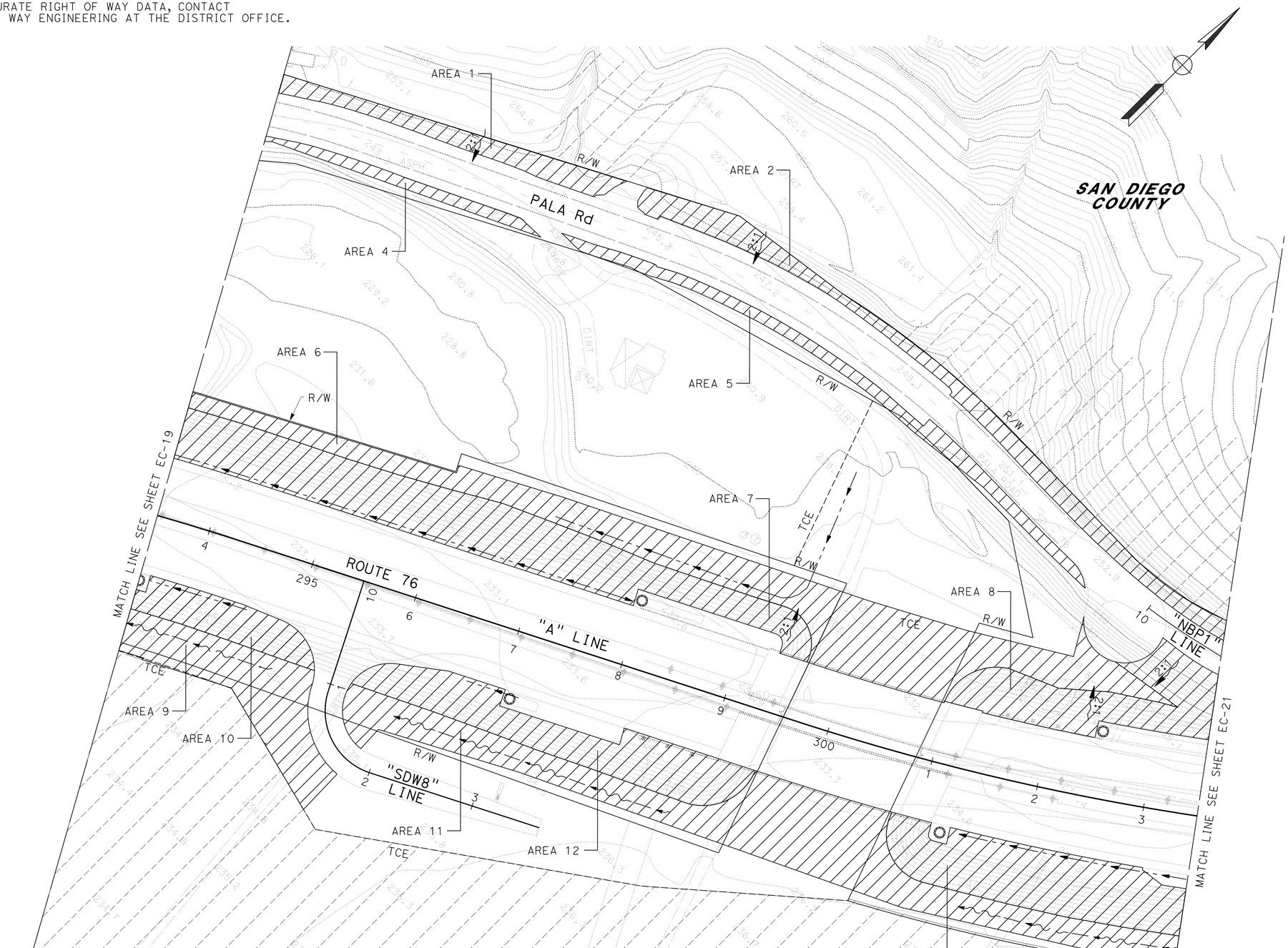

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EROSION CONTROL PLAN

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EC-20

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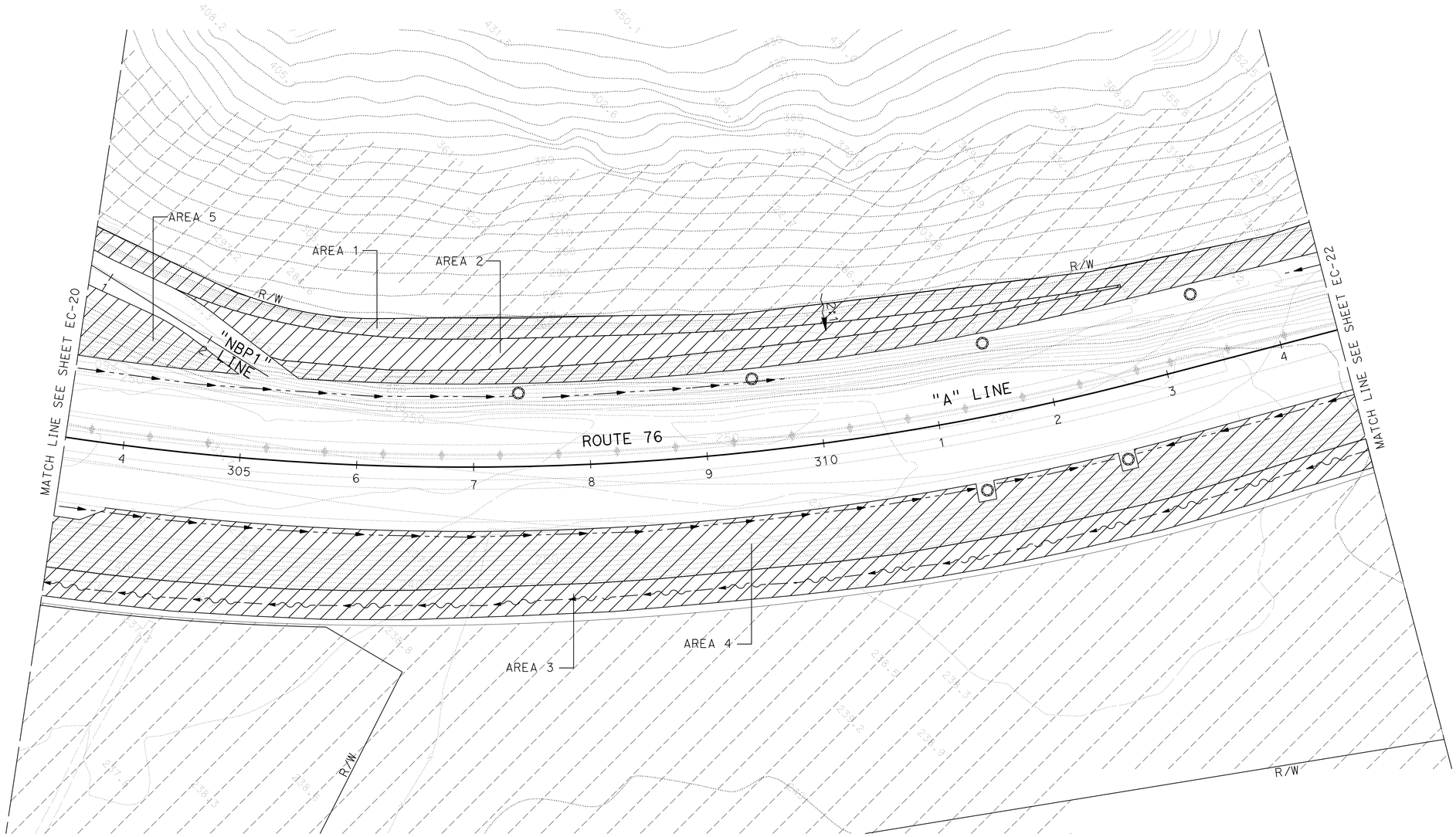

EROSION CONTROL PLAN

SCALE: 1" = 50'

EC-21

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10-30-13
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KATHRYN WALKER
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Exp. 06-30-15
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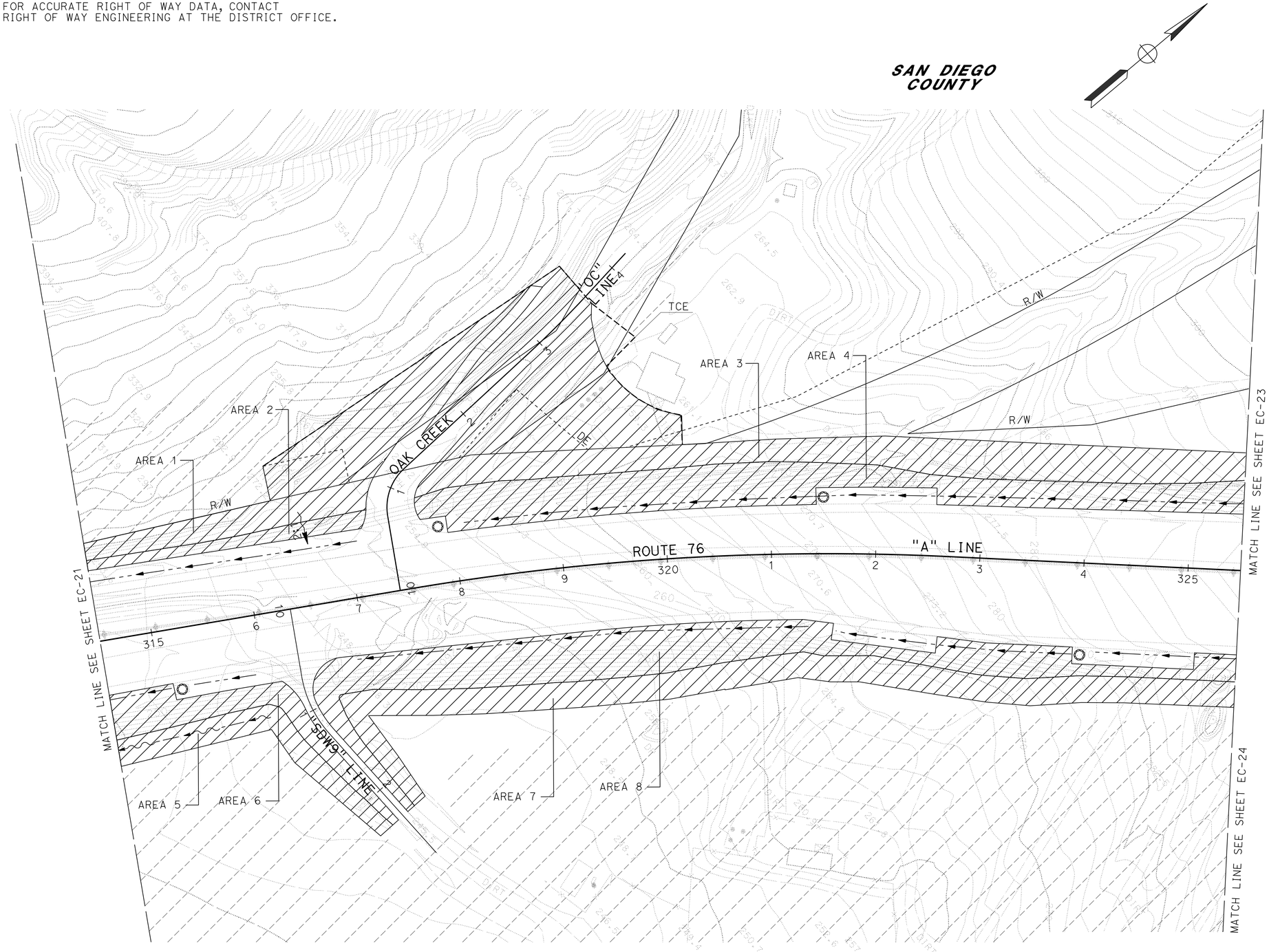

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EC-22

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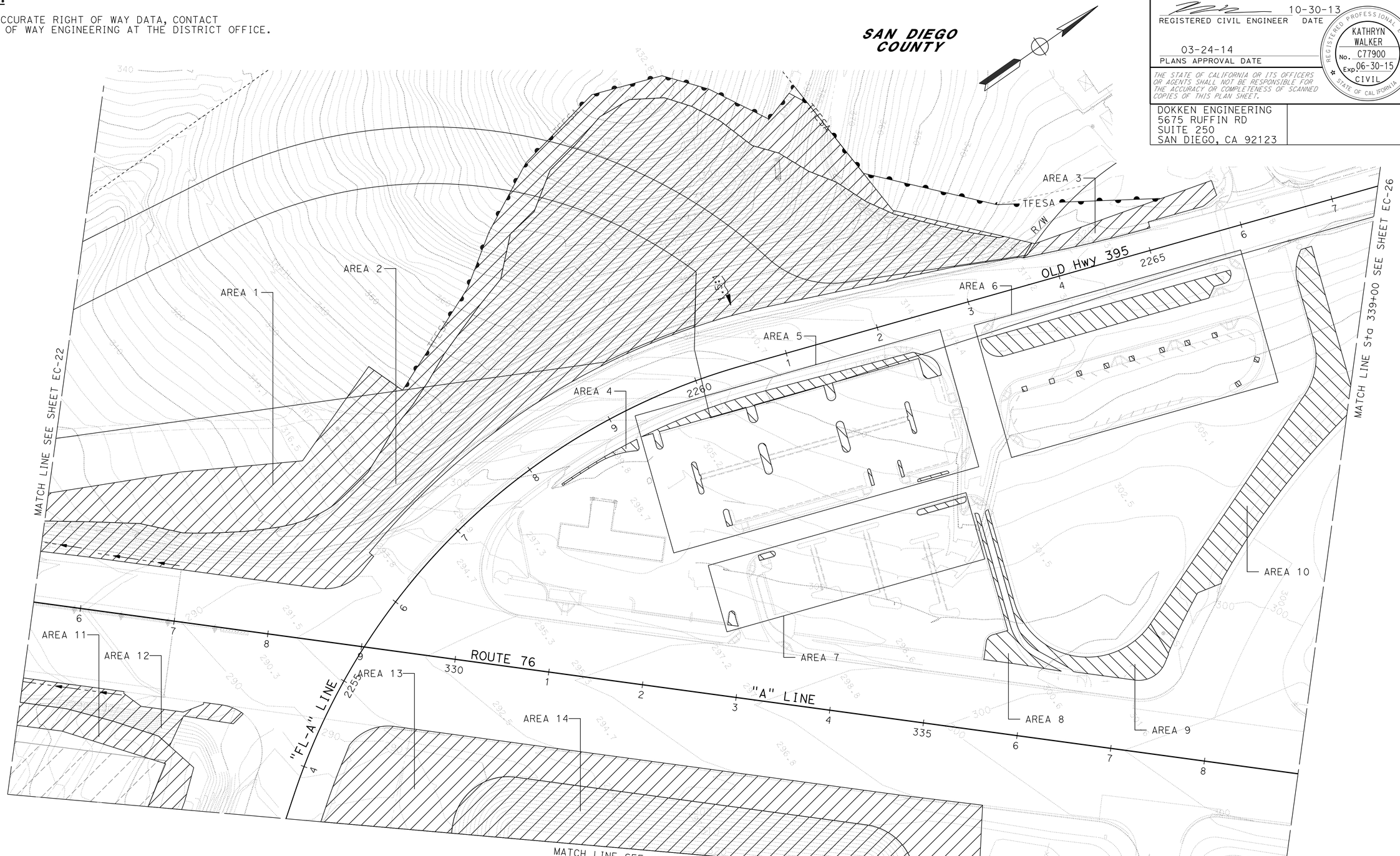

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