DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

Caltrans Metric

REGISTERED CIVIL ENGINEER

July 1, 2004
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Douglas J. Dunrud No. C47240 Exp. 12-31-05 CIVIL STATE OF CALIFORNIA

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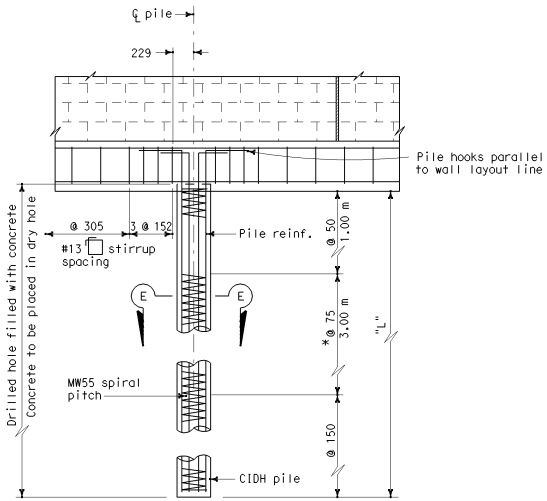
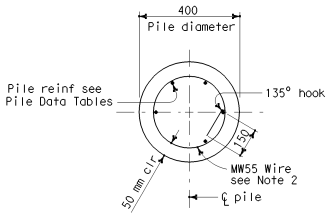
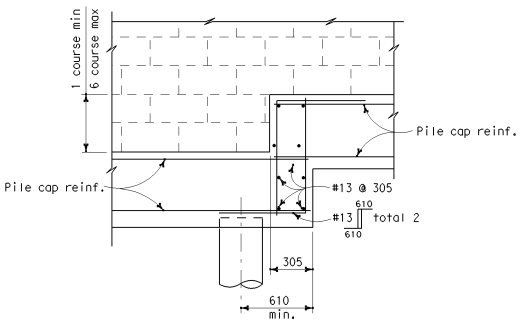


DETAIL D

* @ 50 at option of contractor



SECTION E-E



PILE CAP STEP DETAIL

NOTES

I. For details not shown, see "SOUNDWALL - MASONRY BLOCK ON PILE CAP - DETAILS (1)" and "DETAILS (3)" sheets.

II. Lapped splices in spiral reinforcement shall be lapped at least 80 wire diameters. Spiral reinforcement at splices and at ends shall be terminated with a 135° hook with a 150 mm tail hooked around a longitudinal bar.

Case 1 - Level ground (±10%) on both sides of the soundwall

CASE 1										
Maximum H	Ø = 25 min			Ø = 30 min			Ø = 35 min			Maximum H
	S	L	Pile Reinf.	S	L	Pile Reinf.	S	L	Pile Reinf.	
1829	5000	1800	#19 tot. 7	5000	1400	#19 tot. 7	5000	1100	#19 tot. 7	1829
2438	5000	2300	#19 tot. 7	5000	1800	#19 tot. 7	5000	1400	#19 tot. 7	2438
3048	5000	2700	#22 tot. 6	5000	2100	#22 tot. 6	5000	1700	#19 tot. 7	3048
3658	4700	2900	#25 tot. 7	4900	2400	#25 tot. 7	5000	1900	#25 tot. 7	3658
4267	3500	2900	#25 tot. 7	3700	2400	#25 tot. 7	3800	1900	#25 tot. 7	4267
4877	3400	3100	#25 tot. 7	3500	2600	#25 tot. 7	3700	2100	#25 tot. 7	4877

PILE DATA

Case 2 - Level ground (±10%) on traffic side of the soundwall and sloping ground on opposite side.

CASE 2							
Maximum H	Ø = 30 min			Ø = 35 min			Maximum H
	S	L	Pile Reinf.	S	L	Pile Reinf.	
1829	5000	3400	#22 tot. 7	5000	2500	#22 tot. 6	1829
2438	5000	4100	#22 tot. 7	5000	3000	#22 tot. 7	2438
3048	5000	4800	#25 tot. 7	5000	3500	#25 tot. 7	3048
3658	3800	4700	#25 tot. 7	4200	3700	#25 tot. 7	3658
4267	2900	4600	#25 tot. 7	3200	3600	#25 tot. 7	4267
4877	2700	4900	#25 tot. 7	3000	3900	#25 tot. 7	4877

PILE DATA

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

SOUNDWALL MASONRY BLOCK ON PILE CAP DETAILS (3)

NO SCALE

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

B15-5

2004 Std PLAN B15-5

06-10-04