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

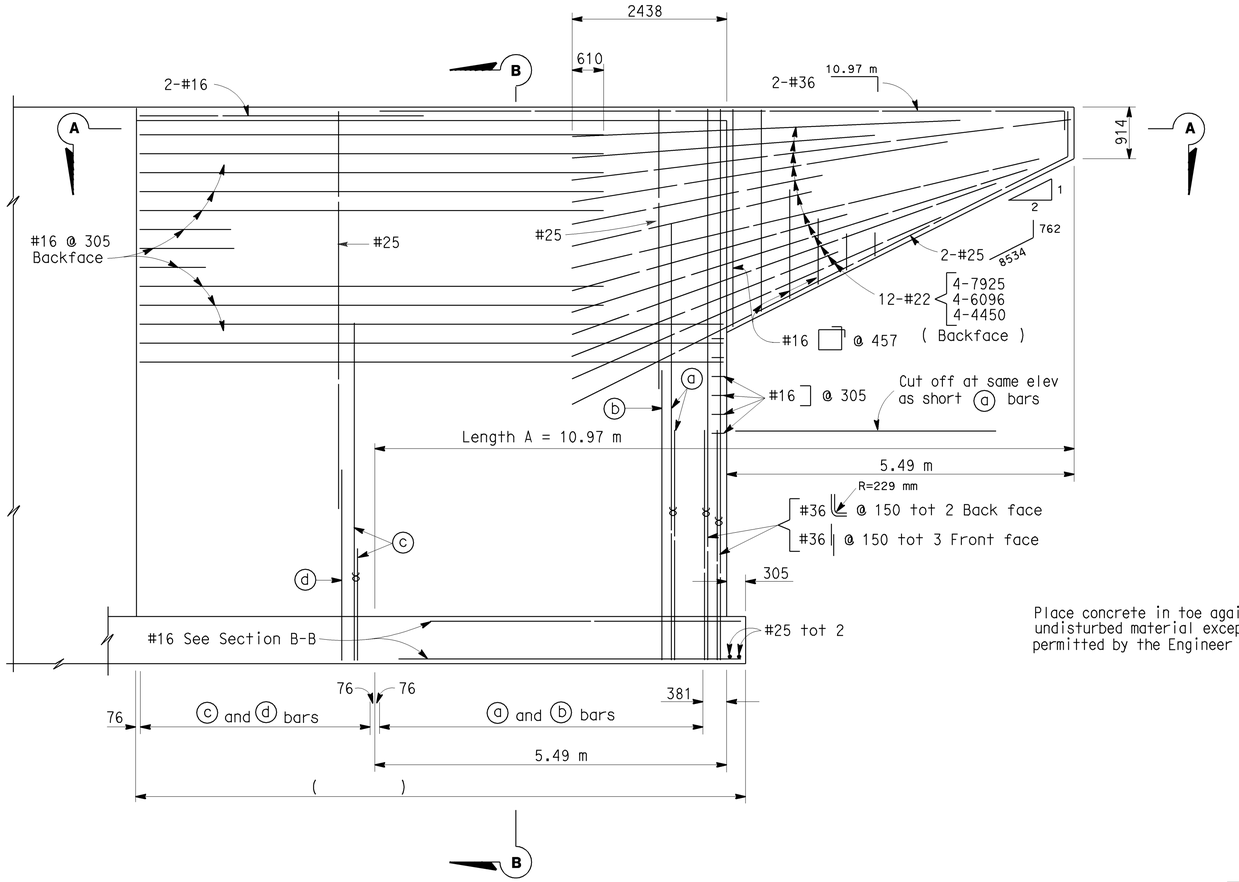
Caltrans Metric

REGISTERED ENGINEER - CIVIL

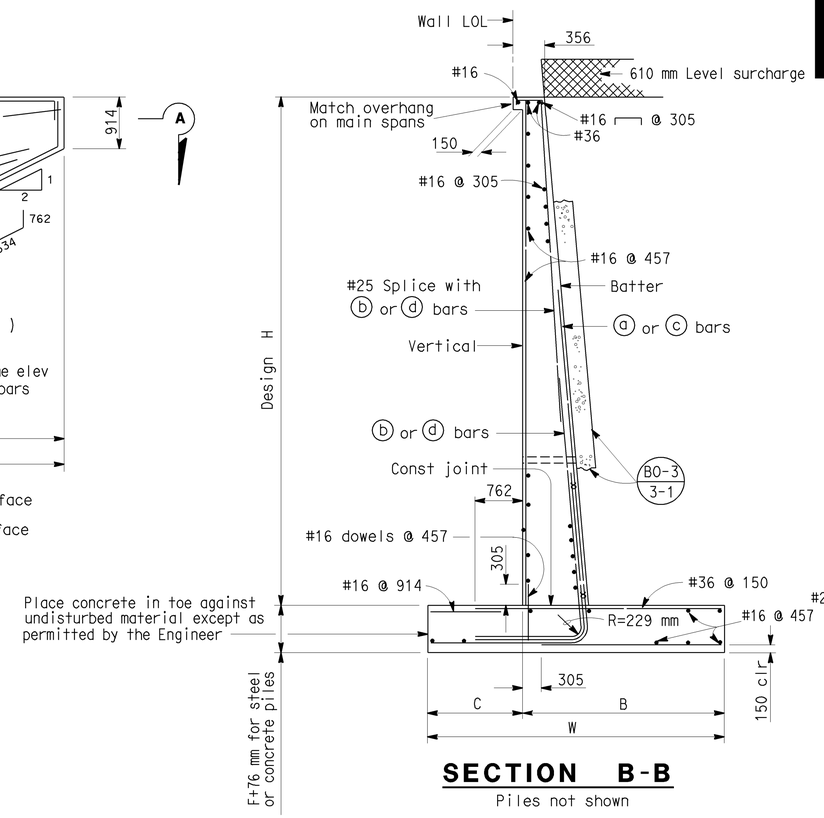
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

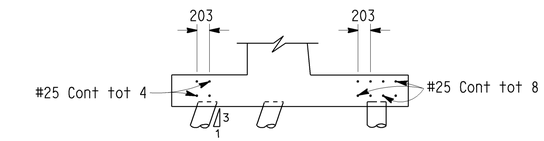


ELEVATION

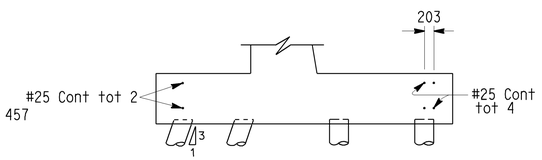


SECTION B-B

Piles not shown



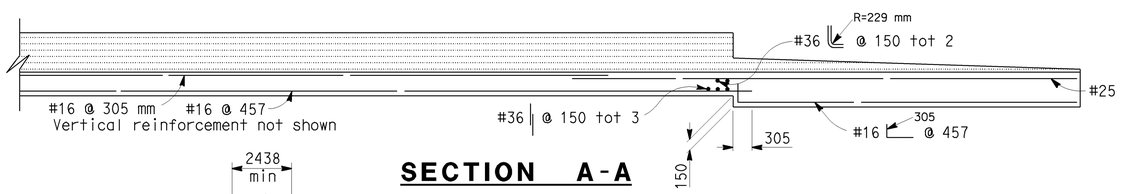
TYPICAL SECTION - TYPE I



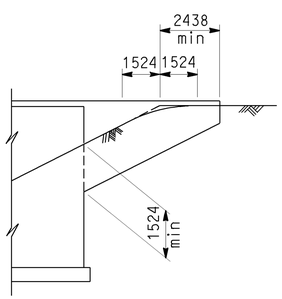
TYPICAL SECTION - TYPE II

Note: Longitudinal bars shown on "TYPICAL SECTIONS I AND II" to be placed in addition to standard reinforcement.

Indicates a bundle of 2 bars.



SECTION A-A



FINISHED GROUND LINE

GENERAL NOTES

Design earth pressure:

Equivalent fluid pressure = 36 pcf max for determination of toe pressure.
27 pcf min for determination of heel pressure.

610 mm Surcharge

Reinforced concrete

fc = 1300 psi

ts = 24000 psi

n = 10

	DESIGN H (m)	6	6.7	7.3	7.9	8.5
	B (m)	2.1	2.4	2.6	2.8	3.0
	C (m)	1.0	1.2	1.3	1.4	1.5
	F (m)	.55	.60	.68	.83	.73
	W (m)	0.5	3.6	4.0	4.3	4.6
	TYPE	I	I	II	II	II
	WALL BATTER	11/16:12	11/16:12	3/4:12	3/4:12	13/16:12
	a Bars (m)	#36 @ .3 x 6	#36 @ .3 x 7.0 ~ #36 @ .3 x 3.8	#36 @ .3 x 7.7 ~ #36 @ .3 x 3.8	#36 @ .3 x 8.8 ~ #36 @ .3 x 3.9	#36 @ .3 x 9.6 ~ #36 @ .3 x 4.5
	b Bars (m)	#36 @ .3 x 3.8	#36 @ .3 x 4.5	#36 @ .3 x 5.1	#36 @ .3 x 5.7	#36 @ .3 x 6.5
	c Bars (m)	#36 @ .3 x 4.8	#36 @ .3 x 6.0	#36 @ .3 x 7.0	#36 @ .3 x 7.9	#36 @ .3 x 8.8 ~ #36 @ .3 x 3.8
	d Bars (m)	#36 @ .3 x 3.8	#36 @ .3 x 3.8	#36 @ .3 x 4.2	#36 @ .3 x 4.8	#36 @ .3 x 5.0
Steel or concrete piles	Conc. cu. ft.Length A	1310	1490	1680	1870	2100
	Conc. cu. ft. Additional 300 mm	57	67	77	87	100
	Reinf.Steel kg Length A	7755	9646	10 088	10 890	11 800
	Reinf.Steel kg Additional 300 mm	315	354	381	417	517

Quantities shown are for design purposes only.

NO SCALE

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

STANDARD DRAWING

RELEASE DATE 5/27/92	DESIGN	BY	CHECKED	RELEASED BY
	DETAILS	BY R. YEE	CHECKED	Shannon L. Rock
FILE NO. xs5-010	SUBMITTED	BY	DRAWING DATE 12/80	OFFICE CHIEF

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

BRIDGE NO.

KILOMETER POST

WINGWALLS - PILE FOOTING

DS OSD 2147A (METRIC) (REV. 2/25/97)

ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS 0 10 20 30 40 50 60 70 80 90 100

CU EA

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY) SHEET OF

USERNAME => jsanchez

xs5-010.dgn

DATE PLOTTED => 16-JAN-2004 TIME PLOTTED => 15:25