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

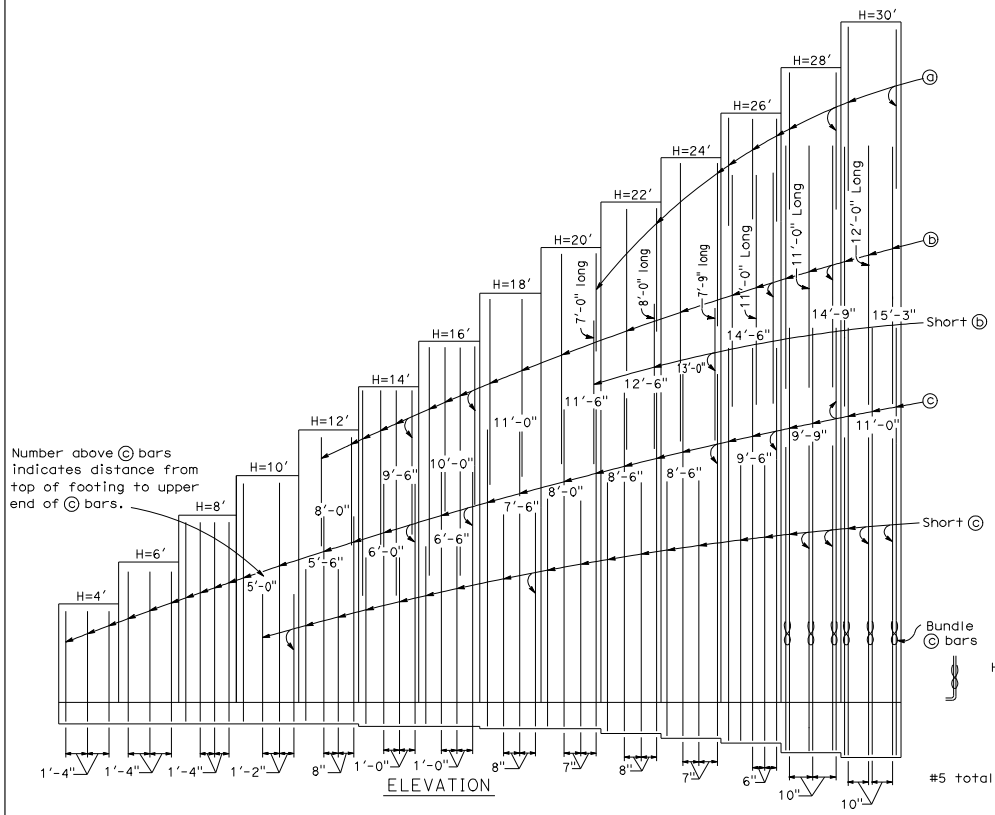
REGISTERED CIVIL ENGINEER

May 1, 2006
PLANS APPROVAL DATE

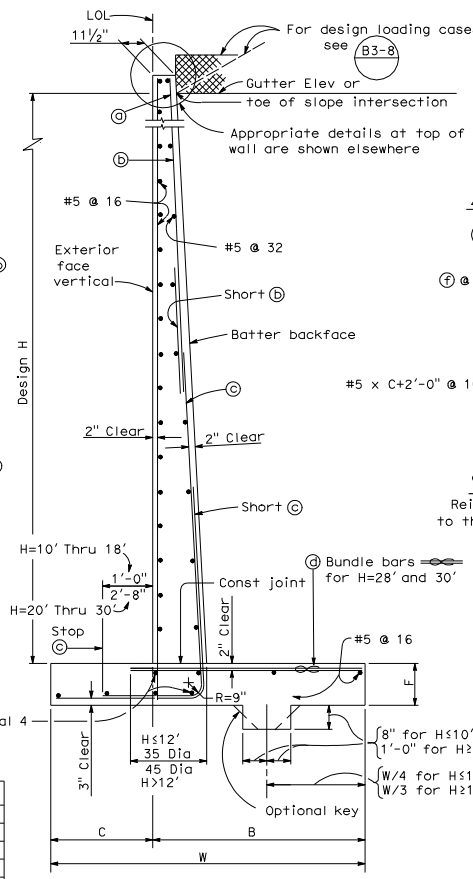
REGISTERED PROFESSIONAL ENGINEER Overcomer Y. Hor No. C45803 Exp. 12-31-06 CIVIL STATE OF CALIFORNIA

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.

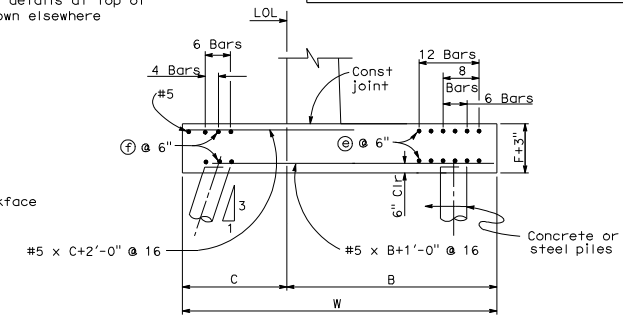
To get to the Caltrans web site, go to: http://www.dot.ca.gov



ELEVATION



SPREAD FOOTING SECTION



90 KIP PILE FOOTING SECTION

Reinforcement detailed is to be placed in addition to that shown for spread footing. All piles not shown, see pile layout on other sheets.

TABLE OF REINFORCING STEEL DIMENSIONS AND DATA

Design H		4′	6′	8′	10′	12′	14′	16′	18′	20′	22′	24′	26′	28′	30′
W		3′-3″	4′-3″	5′-3″	6′-3″	7′-3″	8′-0″	9′-0″	10′-0″	11′-0″	12′-1″	13′-3″	14′-3″	15′-3″	16′-9″
C		1′-0″	1′-4″	1′-8″	2′-0″	2′-4″	2′-7″	2′-11″	3′-3″	3′-7″	3′-11″	4′-5″	4′-9″	5′-1″	5′-5″
B		2′-3″	2′-11″	3′-7″	4′-3″	4′-11″	5′-5″	6′-1″	6′-9″	7′-5″	8′-2″	8′-10″	9′-6″	10′-2″	11′-4″
F		1′-4″	1′-4″	1′-4″	1′-4″	1′-4″	1′-6″	1′-6″	1′-6″	1′-6″	1′-8″	1′-10″	2′-2″	2′-6″	2′-9″
Batter		½:12	½:12	½:12	½:12	½:12	½:12	½:12	½:12	½:12	½:12	⅝:12	¾:12	¾:12	⅞:12
ⓐ bars		—	—	—	—	—	—	—	—	#5 @ 28	#5 @ 32	#5 @ 28	#5 @ 12	#5 @ 20	#8 @ 20
ⓑ bars		—	—	—	—	#5 @ 16	#5 @ 12	#5 @ 12	#6 @ 16	#8 @ 14	#8 @ 16	#8 @ 14	#8 @ 12	#8 @ 10	#9 @ 10
ⓒ bars		#5 @ 16	#5 @ 16	#5 @ 16	#6 @ 14	#6 @ 8	#8 @ 12	#9 @ 12	#9 @ 8	#9 @ 7	#11 @ 8	#11 @ 7	#11 @ 6	#11 @ 10 ⧖	#11 @ 10 ⧖
ⓓ bars		#5 @ 16	#5 @ 16	#5 @ 16	#5 @ 14	#5 @ 8	#8 @ 12	#9 @ 12	#9 @ 8	#9 @ 7	#11 @ 8	#11 @ 7	#11 @ 6	#11 @ 10 ⧖	#11 @ 10 ⧖
Total ⓔ bars		6-#6	6-#6	6-#6	12-#6	12-#6	12-#6	12-#6	8-#6	8-#6	8-#6	6-#6	6-#6	6-#6	6-#6
Total ⓕ bars		—	—	—	6-#6	6-#6	6-#6	6-#6	6-#6	6-#6	6-#6	4-#5	4-#5	4-#5	4-#5
Loading Case I	Toe Pressure ksf	1.7	1.9	2.2	2.5	2.8	3.3	3.5	4.0	4.3	4.6	4.9	5.3	5.7	6.3
Loading Case II	Toe Pressure ksf	1.1	1.5	2.0	2.3	2.7	3.3	3.7	4.2	4.7	5.5	6.0	6.5	7.1	7.5
Loading Case III	Toe Pressure ksf	1.4	1.7	2.1	2.5	2.9	3.4	3.8	4.3	4.8	5.4	5.8	6.5	7.2	7.5

⧖ Denotes a bundle of 2 bars

NOTES:

1. For details not shown and drainage notes see B3-8
2. For wall stem joint details see B0-3/3-3 and B0-3/3-4
3. For pile footing for design H=4′ use same footing dimensions as for design H=6′.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

RETAINING WALL TYPE 1 H=4′ THROUGH 30′

NO SCALE

B3-1

2006 STANDARD PLAN B3-1

8-1-05