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

REGISTERED CIVIL ENGINEER

July 1, 2002
PLANS APPROVAL DATE

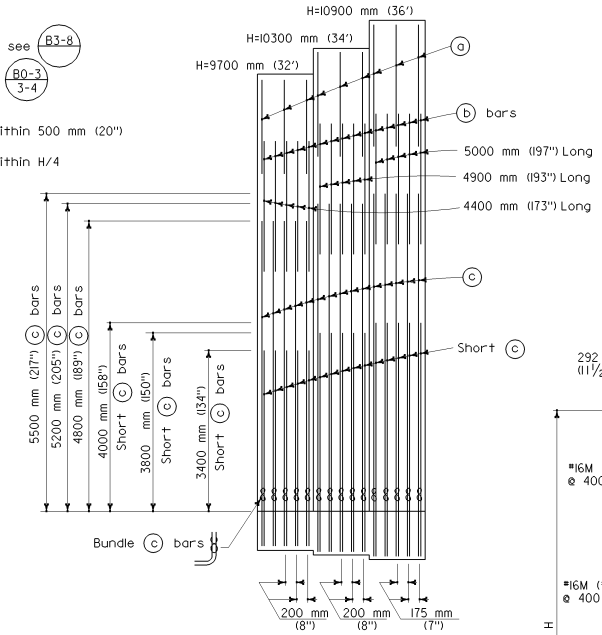
REGISTERED PROFESSIONAL ENGINEER Overcomer Y. Hor No. C45803 Exp. 12-31-02 CIVIL STATE OF CALIFORNIA

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.

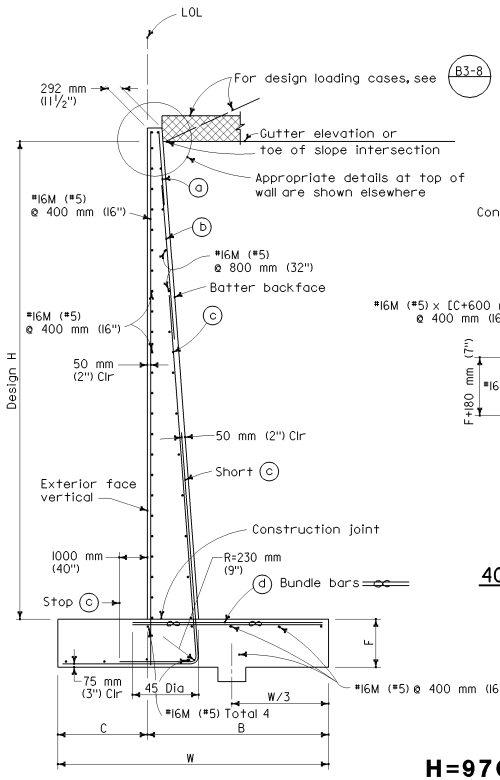
Caltrans now has a web site! To get to the web site, go to: http://www.dot.ca.gov

NOTES

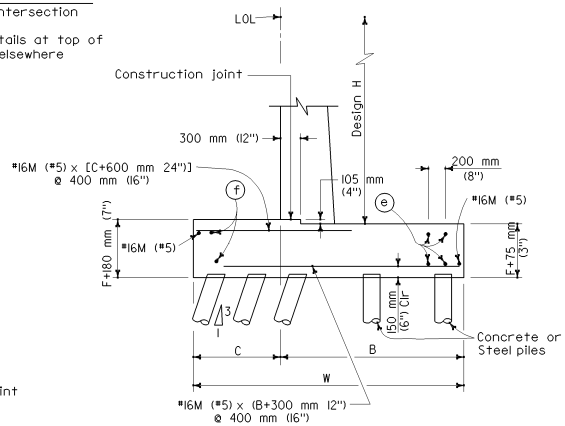
1. For details not shown and drainage notes see B3-8
2. For wall stem joint details, see B0-3 3-3 and B0-3 3-4
3. At ⓒ and Short ⓒ bars:
   H ≤ 1800 mm (6'), no splices are allowed within 500 mm (20") above the top of footing.
   H > 1800 mm (6'), no splices are allowed within H/4 above the top of footing.



ELEVATION



SPREAD FOOTING SECTION



400 kN 45 (Ton) PILE FOOTING SECTION

Reinforcement detailed is to be placed in addition to that shown for spread footing. See Pile Layout on other sheets.

TABLE OF REINFORCING STEEL, DIMENSIONS AND DATA				
Design H		9700 mm (32')	10300 mm (34')	10900 mm (36')
W		5600 mm (221")	5900 mm (232")	6200 mm (244")
C		1800 mm (71")	1900 mm (75")	2000 mm (79")
B		3800 mm (150")	4000 mm (157")	4200 mm (165")
F Spread Footing		1000 mm (39 ½")	1100 mm (43 ½")	1200 mm (47 ½")
Batter		100:8	100:8	100:8
ⓐ bars		#19M (#6) @400 mm (16")	#19M (#6) @400 mm (16")	#19M (#6) @350 mm (14")
ⓑ bars		#29M (#9) @200 mm (8")	#29M (#9) @200 mm (8")	#29M (#9) @175 (7")
ⓒ bars		#36M (#11) @200 mm (8") ∞	#36M (#11) @200 mm (8") ∞	#36M (#11) @175 (7") ∞
ⓓ bars		#29M (#9) @200 mm (8") ∞	#29M (#9) @200 mm (8") ∞	#29M (#9) @175 (7") ∞
Total ⓔ bars		6-#19M (#6)	6-#19M (#6)	6-#19M (#6)
Total ⓕ bars		4-#16M (#5)	4-#16M (#5)	4-#16M (#5)
Loading Case I	H Comp kN (kip)	110 (24.7)	125 (28.1)	140 (31.5)
	V Comp kN (kip)	265 (59.6)	300 (67.4)	330 (74.1)
	Toe Pr. kPa (k/sf)	300 (6.3)	325 (6.8)	350 (7.3)
Loading Case II	H Comp kN (kip)	165 (37.1)	185 (41.6)	210 (47.2)
	V Comp kN (kip)	365 (82.1)	410 (92.2)	455 (102.3)
	Toe Pr. kPa (k/sf)	370 (7.7)	400 (8.4)	435 (9.1)
Loading Case III	H Comp kN (kip)	130 (29.2)	145 (32.6)	160 (36.0)
	V Comp kN (kip)	295 (66.3)	330 (74.1)	370 (83.2)
	Toe Pr. kPa (k/sf)	380 (7.9)	400 (8.4)	425 (8.9)

∞ Denotes a bundle of 2 bars.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

RETAINING WALL TYPE 1
H=9700 mm THRU 10 900 mm (H=32' THRU 36')

These "Standard Plans for Construction of Local Streets and Roads" contain units in two systems of measurement: International System of Units (SI or "metric") and United States Standard Measures shown in the parentheses ( ). The measurements expressed in the two systems are not necessarily equal or interchangeable. See the "Foreword" at the beginning of this publication.

NO SCALE

B3-2

THIS STANDARD PLAN B3-2 INCLUDES CHANGES THAT WERE INCORPORATED IN REVISED STANDARD PLAN RSP B3-2, DATED OCTOBER 26, 2000, AND ISSUED AS A PART OF ERRATUM NO. 99-1 FOR THE 1999 METRIC STANDARD PLANS.

2002 DUAL UNITS STD PLAN B3-2