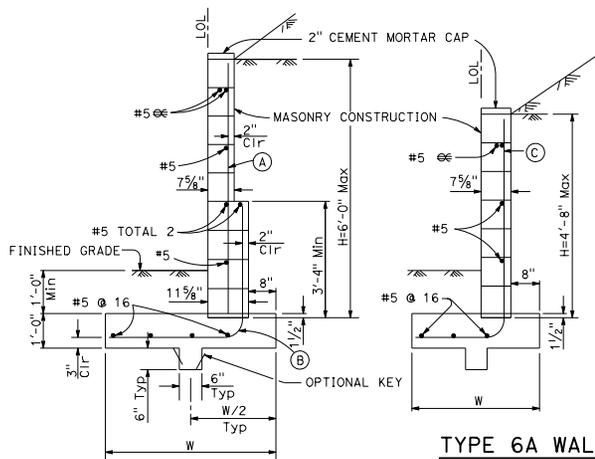


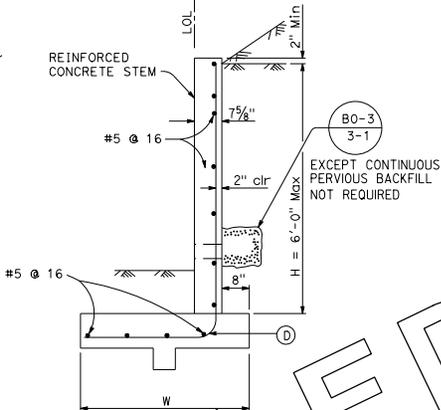
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
 REGISTERED CIVIL ENGINEER					
May 20, 2011 PLANS APPROVAL DATE					
Gary Wong No. C58238 Exp. 6-30-12 CIVIL					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					

NOTES:

1. For details not shown at "6B", see "6A", similarly, for details not shown at "6A", see "6B".
2. Design loading for both Type "6A" and "6B" is as shown at "6B".
3. Type 6 retaining wall shall be limited to use for walls of Design H of 6'-0" or less.
4. Where traffic is adjacent to the top of wall, guard railing should be set back from the top front face of wall at least 4'-0" or 5'-0", dependent on wall type.
5. For reinforced concrete wall stem joint details, see BO-3 and BO-3 3-3 and 3-4.
6. No splices are allowed on (A), (B) and (C) bars.
7. For "Design Notes", see "B3-7".



TYPE 6A WALL



TYPE 6B WALL

TYPE 6A WALL - TABLE OF REINFORCING STEEL, DIMENSIONS AND DATA

Design H	3'-4"	4'-0"	4'-8"	5'-4"	6'-0"
W	3'-3"	3'-9"	4'-3"	4'-9"	5'-3"
(A)				#5 @ 16	#5 @ 16
(B)				#5 @ 16	#5 @ 16
(C)	#5 @ 16	#5 @ 16	#5 @ 16	#5 @ 16	#5 @ 16
(D)	#5 @ 15	#5 @ 15	#5 @ 15	#5 @ 15	#5 @ 12
Load Ser: B', q _o	2.6, 0.3	3.0, 0.4	3.4, 0.4	3.7, 0.4	4.0, 0.4
Case I Str: B', q _o	2.3, 0.9	2.6, 1.3	2.9, 0.9	3.2, 0.9	3.5, 1.0
Load Ser: B', q _o	3.3, 0.2	5.0, 0.3	4.5, 0.3	5.0, 0.3	5.2, 0.4
Case II Str: B', q _o	3.3, 0.7	4.9, 1.1	4.4, 0.8	4.9, 0.8	5.1, 0.8

TYPE 6B WALL - TABLE OF REINFORCING STEEL, DIMENSIONS AND DATA

Design H	3'-4"	4'-0"	4'-8"	5'-4"	6'-0"
W	3'-3"	3'-9"	4'-0"	4'-6"	4'-9"
(A)				#5 @ 16	#5 @ 16
(B)				#5 @ 16	#5 @ 16
(C)	#5 @ 16	#5 @ 16	#5 @ 16	#5 @ 16	#5 @ 16
(D)	#5 @ 15	#5 @ 15	#5 @ 15	#5 @ 15	#5 @ 12
(E)	#5 @ 16	#5 @ 16	#5 @ 16	#5 @ 16	#5 @ 12
Load Ser: B', q _o	2.7, 0.6	3.1, 0.7	4.6, 0.3	3.6, 0.9	3.7, 1.0
Case I Str: B', q _o	2.6, 1.2	3.0, 1.3	4.4, 1.6	3.5, 1.7	3.5, 1.9
Load Ser: B', q _o	3.0, 0.5	3.4, 0.6	3.5, 0.7	3.9, 0.9	4.0, 1.0
Case II Str: B', q _o	2.9, 1.0	3.3, 1.1	3.4, 1.4	3.8, 1.6	3.9, 1.8

SYMBOLS:

- Ser - service limit state 1
- Str - strength limit state 1
- B' - effective footing width (ft)
- q_o - net bearing stress (ksf)
- q_o - gross uniform bearing stress (ksf)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**RETAINING WALL
TYPE 6 DETAILS No. 2
6'-0" MAXIMUM**

NO SCALE

B3-8