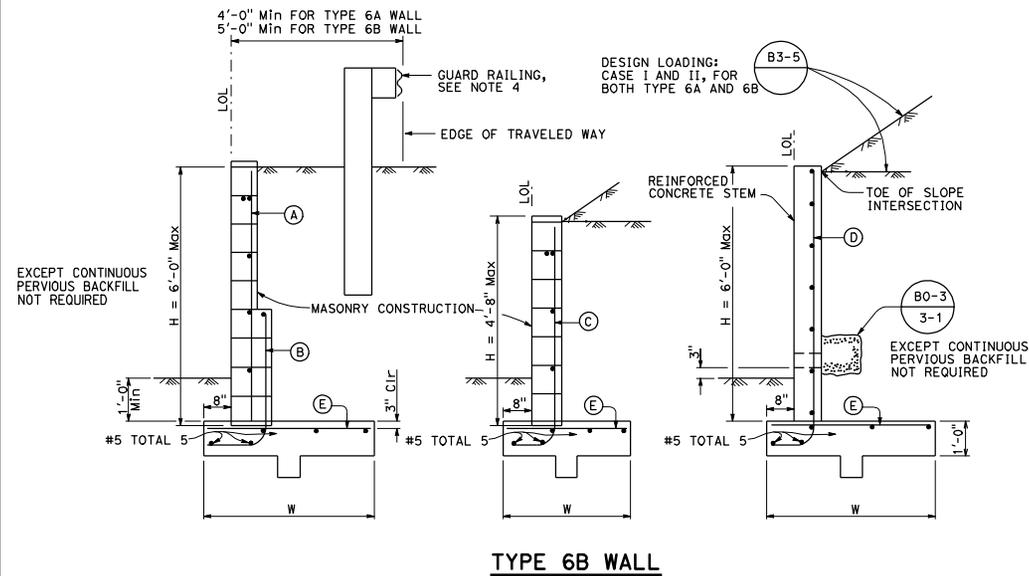


TYPE 6A WALL



TYPE 6B WALL

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL SHEETS

Gary Wang
REGISTERED CIVIL ENGINEER

May 20, 2011
PLANS APPROVAL DATE

Gary Wang
No. C88298
Exp. 6-30-12
CIVIL
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER

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:

- For details not shown at "6B", see "6A", similarly, for details not shown at "6A", see "6B".
- Design loading for both Type "6A" and "6B" is as shown at "6B".
- Type 6 retaining wall shall be limited to use for walls of Design H of 6'-0" or less.
- 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.
- For reinforced concrete wall stem joint details, see B0-3 3-3 and B0-3 3-4.
- No splices are allowed on (A), (B) and (C) bars.
- For "Design Notes", see "B3-7".

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
Case I	Str: B', q _o	2.3, 0.9	2.6, 1.3	2.9, 0.9	3.2, 0.9
Load	Ser: B', q _o	3.3, 0.2	5.0, 0.3	4.5, 0.3	5.0, 0.3
Case II	Str: B', q _o	3.3, 0.7	4.9, 1.1	4.4, 0.8	4.9, 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
Case I	Str: B', q _o	2.6, 1.2	3.0, 1.3	4.4, 1.6	3.5, 1.7
Load	Ser: B', q _o	3.0, 0.5	3.4, 0.6	3.5, 0.7	3.9, 0.9
Case II	Str: B', q _o	2.9, 1.0	3.3, 1.1	3.4, 1.4	3.8, 1.6

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