

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
X	X	X	X	X	X

REGISTERED CIVIL ENGINEER	DATE
	X

PLANS APPROVAL DATE

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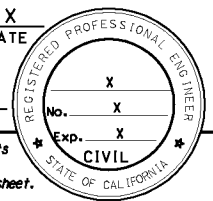


TABLE OF REINFORCING STEEL DIMENSIONS AND DATA

DESIGN H	6'	8'	10'	12'	14'	16'	18'	20'	22'	24'	26'	28'	30'	32'
W	6'-9"	7'-3"	8'-0"	8'-9"	10'-0"	11'-6"	12'-9"	14'-0"	15'-9"	18'-0"	19'-9"	21'-9"	23'-3"	25'-3"
C	2'-3"	2'-5"	2'-8"	2'-11"	3'-4"	3'-10"	4'-3"	4'-8"	5'-3"	6'-0"	6'-7"	7'-3"	7'-9"	8'-5"
B	4'-6"	4'-10"	5'-4"	5'-10"	6'-8"	7'-8"	8'-6"	9'-4"	10'-6"	12'-0"	13'-2"	14'-6"	15'-6"	16'-10"
F SPREAD FOOTING	1'-3"	1'-3"	1'-3"	1'-3"	1'-6"	1'-9"	1'-9"	2'-3"	2'-6"	2'-6"	2'-9"	3'-0"	3'-6"	3'-9"
STEM WITH HAUNCH, BATTER	0	1/2:12	1/2:12	1/2:12	1/2:12	1/2:12	1/2:12	1/2:12	1/2:12	5/8:12	3/4:12	7/8:12	1:12	1:12
STEM WITHOUT HAUNCH, BATTER	0	0	0	0	0	0	0	0	1/4:12	1/4:12	1/2:12	3/4:12	3/4:12	3/4:12
⊙ BARS						#7 @ 15	#7 @ 12	#7 @ 12	#8 @ 12	#6 @ 6	#6 @ 6	#6 @ 6	#8 @ 9	#9 @ 9
⊕ BARS	#8 @ 12	#8 @ 12	#7 @ 6	#7 @ 6	#7 @ 6	#9 @ 7.5	#9 @ 6	#10 @ 6	#10 @ 6	#8 @ 6⊘	#8 @ 6⊘	#8 @ 6⊘	#10 @ 9⊘	#11 @ 9⊘
ha			5'-0"	6'-0"	7'-0"	7'-0"	6'-0"	7'-0"	7'-6"	7'-6"	8'-6"	9'-3"	15'-0"	11'-3"
hb						11'-6"	12'-0"	13'-3"	16'-0"	15'-6"	17'-6"	18'-9"	21'-0"	20'-9"
hy	2'-0"	2'-4"	1'-8"	2'-0"	2'-4"	2'-10"	2'-10"	3'-7"	3'-7"	4'-6"	5'-6"	2'-10"	4'-6"	5'-6"
hz			0	0	3'-1"	3'-7"	4'-0"	4'-5"	5'-0"	3'-0"	3'-0"	3'-6"	5'-6"	3'-0"
⊙ BARS	#6 @ 12	#7 @ 12	#5 @ 6	#6 @ 6	#7 @ 6	#8 @ 7.5	#8 @ 6	#9 @ 6	#9 @ 6	#10 @ 6	#11 @ 6	#8 @ 6⊘	#10 @ 9⊘	#11 @ 9⊘
SER I: B'(ft), q ₀ (ksf)	5.9, 1.2	6.0, 1.4	6.5, 1.6	7.0, 1.8	8.1, 1.9	9.7, 2.0	11.0, 2.1	12.1, 2.3	13.8, 2.4	16.6, 2.4	18.5, 2.6	20.7, 2.7	22.1, 2.9	24.3, 3.0
STR Ia: B'(ft), q ₀ (ksf)	6.3, 1.9	6.3, 2.3	6.7, 2.5	7.0, 2.9	8.1, 3.1	9.5, 3.2	10.8, 3.4	11.8, 3.7	13.4, 4.0	16.2, 4.0	18.0, 4.2	20.2, 4.4	21.5, 5.0	23.7, 5.0
STR, Ib: B'(ft), q ₀ (ksf)	4.3, 1.6	4.3, 2.0	4.3, 2.4	4.3, 2.8	4.3, 2.9	4.3, 2.9	4.3, 3.0	4.3, 3.4	4.3, 3.5	4.3, 3.4	4.3, 3.5	4.3, 3.6	4.3, 3.9	4.3, 4.1
STR, IIIa: B'(ft), q ₀ (ksf)	4.3, 2.1	4.3, 2.4	4.3, 2.5	4.3, 2.8	4.3, 2.9	4.3, 3.0	4.3, 3.2	4.3, 3.7	4.3, 3.7	4.3, 3.8	4.3, 4.0	4.3, 4.2	4.3, 4.6	4.3, 4.9
STR, IIIb: B'(ft), q ₀ (ksf)	3.2, 2.1	3.2, 2.3	3.2, 2.4	3.2, 2.6	3.2, 2.7	3.2, 2.7	3.2, 2.8	3.2, 3.1	3.2, 3.0	3.2, 3.2	3.2, 3.8	3.2, 3.4	3.2, 3.7	3.2, 3.9
STR, Va: B'(ft), q ₀ (ksf)	5.9, 2.0	5.9, 2.3	5.9, 2.6	5.9, 2.9	5.9, 3.1	5.9, 3.2	5.9, 3.4	5.9, 3.9	5.9, 3.9	5.9, 4.0	5.9, 4.2	5.9, 4.5	5.9, 4.9	5.9, 5.1
STR, Vb: B'(ft), q ₀ (ksf)	3.8, 1.7	3.8, 2.1	3.8, 2.5	3.8, 2.8	3.8, 2.9	3.8, 2.9	3.8, 3.0	3.8, 3.3	3.8, 3.4	3.8, 3.3	3.8, 3.5	3.8, 3.6	3.8, 3.9	3.8, 4.0
Ext I: B'(ft), q ₀ (ksf)	2.5, 2.8	2.5, 4.3	2.5, 6.4	2.5, 10.9	2.5, 13.3	2.5, 12.4	2.5, 13.2	2.5, 17.6	2.5, 15.0	2.5, 10.2	2.5, 10.0	2.5, 9.6	2.5, 10.8	2.5, 10.5
Ext II: B'(ft), q ₀ (ksf)	1.4, 4.9	1.4, 3.5	1.4, 2.8	1.4, 2.7	1.4, 2.5	1.4, 2.5	1.4, 2.5	1.4, 2.6	1.4, 2.8	1.4, 2.8	1.4, 2.9	1.4, 3.1	1.4, 3.3	1.4, 3.5

LEGEND:
SER: service limit state
STR: strength limit state
EXT: extreme event limit state
B': effective footing width (ft)
q₀: net bearing stress (ksf)
q_g: gross uniform bearing stress (ksf)
⊘: 2 bar bundle

STANDARD DRAWING		STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION		DIVISION OF ENGINEERING SERVICES		BRIDGE NO. X	X	
FILE NO. xs14-220-2	APPROVAL DATE <u>January 2011</u>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT: X PROJECT NUMBER & PHASE: X		POST MILE X	RETAINING WALL TYPE 1 SWB-DETAILS NO. 2	
DS OSD 2147A (ENGLISH STANDARD DRAWING "XS" BORDER REV. [02-02-11])		0 1 2 3		CONTRACT NO.: X		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES
								SHEET OF X X

TIME PLOTTED => \$TIME
DATE PLOTTED => \$DATE
USERNAME => \$USER