

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

*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.*

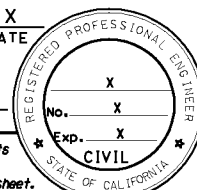


TABLE OF REINFORCING STEEL DIMENSIONS AND DATA										
DESIGN H	6'	8'	10'	12'	14'	16'	18'	20'	22'	24'
W	9'-0"	9'-0"	9'-6"	10'-3"	11'-3"	12'-9"	14'-0"	15'-9"	17'-3"	18'-9"
F SPREAD FOOTING	1'-3"	1'-3"	1'-3"	1'-3"	1'-6"	1'-9"	2'-0"	2'-3"	2'-6"	2'-6"
STEM WITH HAUNCH, BATTER	0	1/2:12	1/2:12	1/2:12	1/2:12	1/2:12	1/2:12	1/2:12	1/2:12	5/8:12
STEM WITHOUT HAUNCH, BATTER	0	0	0	0	0	0	0	0	1/4:12	1/4:12
⊙ BARS						#7 @ 15	#7 @ 12	#7 @ 12	#8 @ 12	#6 @ 6
⊕ BARS	#8 @ 12	#8 @ 12	#7 @ 6	#7 @ 6	#7 @ 6	#9 @ 7.5	#9 @ 6	#10 @ 6	#10 @ 6	#8 @ 6
ha			5'-0"	6'-0"	7'-0"	7'-0"	6'-0"	7'-0"	6'-9"	7'-6"
hb						11'-6"	12'-0"	13'-3"	16'-0"	15'-6"
⊙ BARS	#7 @ 12	#8 @ 12	#7 @ 6	#9 @ 6	#9 @ 6	#11 @ 7.5	#8 @ 6	#9 @ 6	#9 @ 6	#10 @ 6
hz			3'-6"	4'-0"	4'-9"	7'-0"	5'-9"	6'-9"	7'-6"	9'-0"
SER I: B'(ft), q <sub>0</sub> (ksf)	7.5, 1.5	7.1, 1.9	7.2, 2.2	7.6, 2.5	8.3, 2.8	9.6, 3.0	10.6, 3.3	12.1, 3.6	13.3, 3.9	14.6, 4.1
STR, Ia: B'(ft), q <sub>0</sub> (ksf)	7.9, 2.9	7.4, 3.3	7.4, 3.7	7.8, 4.1	8.3, 4.5	9.5, 4.8	10.5, 5.0	11.9, 5.6	13.1, 6.0	14.3, 6.4
STR, Ib: B'(ft), q <sub>0</sub> (ksf)	6.0, 2.0	5.5, 2.5	5.6, 2.9	5.9, 3.3	6.4, 3.7	7.6, 3.9	8.7, 4.1	9.9, 4.5	11.0, 4.9	12.1, 5.2
STR, IIIa: B'(ft), q <sub>0</sub> (ksf)	6.0, 2.7	6.0, 3.0	6.4, 3.4	7.0, 3.7	7.8, 4.1	9.1, 4.4	10.2, 4.6	11.7, 5.1	12.9, 5.4	14.2, 5.7
STR, IIIb: B'(ft), q <sub>0</sub> (ksf)	5.3, 2.5	5.2, 2.8	5.5, 3.1	6.0, 3.3	6.7, 3.7	8.0, 3.9	8.9, 4.0	10.4, 4.4	11.5, 4.7	12.7, 5.0
STR, Va: B'(ft), q <sub>0</sub> (ksf)	7.5, 2.8	7.1, 3.2	7.2, 3.5	7.6, 3.9	8.2, 4.3	9.4, 4.6	10.4, 4.9	11.8, 5.3	13.0, 5.8	14.3, 6.1
STR, Vb: B'(ft), q <sub>0</sub> (ksf)	5.7, 2.2	5.3, 2.6	5.4, 3.0	5.8, 3.4	6.4, 3.8	7.7, 3.9	8.7, 4.0	10.0, 4.5	11.1, 4.9	12.2, 5.1
Ext I: B'(ft), q <sub>0</sub> (ksf)	4.0, 3.4	3.0, 4.7	2.5, 6.5	2.1, 9.2	1.8, 13.3	2.1, 14.4	2.3, 16.9	2.6, 17.2	2.9, 18.4	3.3, 19.3
Ext II: B'(ft), q <sub>0</sub> (ksf)	3.9, 3.3	4.3, 3.5	5.1, 3.5	6.0, 3.6	7.1, 3.7	8.7, 3.7	9.9, 3.8	11.9, 3.8	13.0, 4.3	14.4, 4.5

LEGEND:

- SER: service limit state
- STR: strength limit state
- EXT: extreme event limit state
- B': effective footing width (ft)
- q<sub>0</sub>: net bearing stress (ksf)
- q<sub>0</sub>: 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. <b>xs14-350-2</b>	APPROVAL DATE <u>July 2011</u>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		PROJECT NUMBER & PHASE: X		POST MILE X	RETAINING WALL TYPE 5SWB-DETAILS NO. 2	
DS OSD 2147A (ENGLISH STANDARD DRAWING "XS" BORDER REV. [02-02-11])		0 1 2 3		CONTRACT NO.: X		REVISION DATES		SHEET OF X X

USERNAME => #USER DATE PLOTTED => #DATE TIME PLOTTED => #TIME FILE => #REQUEST