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

REGISTERED CIVIL ENGINEER

May 1, 2006
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Overcomer Y. Hor No. C45803 Exp. 12-31-06 CIVIL STATE OF CALIFORNIA

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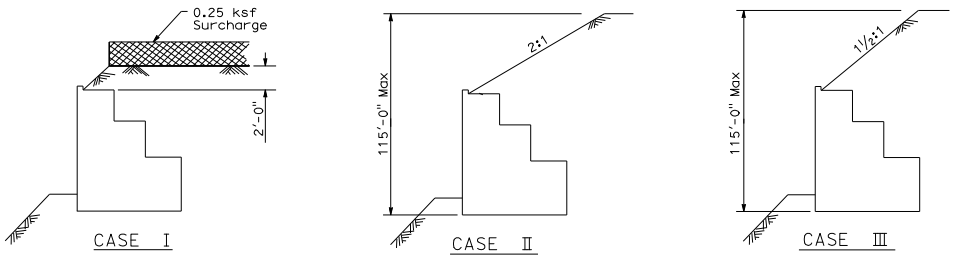
FOUNDATION PRESSURE - VERTICAL WALL

TYPE	LOADING CASE	WALL HEIGHT 1'-5"	2'-4"	3'-3"	4'-2"	5'-1"	6'-0"	6'-11"	7'-10"	8'-9"	9'-8"	10'-7"	11'-6"	12'-5"	13'-4"	14'-3"	15'-2"	16'-1"	17'-0"	17'-11"	18'-10"	19'-9"	20'-8"	21'-7"	22'-6"	23'-5"	24'-4"
		ksf																									
A	I	0.49*	0.58*	0.64*	0.82	1.07	1.35	1.68	2.06	2.48	2.97▌																
	II	0.54*	0.63*	0.69*	0.80	1.06	1.37	1.73	2.15	2.63	3.18▌																
	III	0.63*	0.66*	0.88	1.25	1.68▌																					
B	I						1.16	1.48	1.79	2.11	2.45	2.82	3.22	3.65▌													
	II						1.26*	1.45	1.83	2.23	2.65	3.09	3.59▌														
	III						2.15*	2.06	2.66▌																		
C	I									1.67	1.95	2.19	2.44	2.71	3.01	3.32	3.66	4.02	4.41	4.82	5.26	5.73	6.22▌				
	II									1.72*	1.95	2.25	2.58	2.93	3.31	3.73	4.17	4.66	5.18	5.73▌							
	III									2.96*	2.67	3.17	3.71	4.30	4.95	5.65▌											
D	I															2.72	2.99	3.26	3.50	3.76	4.03	4.32	4.62	4.92	5.25	5.59	5.95
	II															2.83	3.22	3.65	3.99	4.35	4.73	5.14	5.56	6.01	6.48	6.97	7.49
	III															3.97*	4.42	5.04	5.60	6.20	6.82	7.49▌					
E	I																			3.16	3.41	3.67	3.94	4.22	4.50	4.79	5.05
	II																			3.42	3.70	4.01	4.38	4.79	5.20	5.63	6.01
	III																			5.76*	5.81*	5.55	6.09	6.68	7.29	7.91	8.53
F	I																										
	II																										
	III																										

TYPE	LOADING CASE	25'-3"	26'-2"	27'-1"	28'-0"	28'-11"	29'-10"	30'-9"	31'-8"	32'-7"	33'-6"	34'-5"	35'-4"	36'-3"	37'-2"	38'-1"	39'-0"	39'-11"	40'-10"	41'-9"	42'-8"	43'-7"	44'-6"	45'-5"	46'-4"	47'-3"	48'-2"
		ksf																									
A	I																										
	II																										
	III																										
B	I																										
	II																										
	III																										
C	I																										
	II																										
	III																										
D	I	6.32	6.71	7.12	7.55	7.99	8.45▌																				
	II	8.03▌																									
	III																										
E	I	5.32	5.60	5.89	6.18	6.49	6.81	7.14	7.49	7.84	8.20	8.58	8.98	9.38	9.80	10.23	10.68▌										
	II	6.40	6.81	7.24	7.68	8.14	8.62	9.11	9.63	10.16	10.71▌																
	III	9.17	9.85	10.56	11.29▌																						
F	I	4.65	4.92	5.19	5.47	5.76	6.05	6.31	6.58	6.86	7.14	7.43	7.73	8.04	8.35	8.68	9.01	9.35	9.70	10.07	10.44	10.82	11.21	11.61	12.03	12.46	12.89▌
	II	5.27	5.64	6.03	6.44	6.85	7.28	7.67	8.07	8.48	8.91	9.35	9.80	10.27	10.75	11.25	11.76	12.29	12.83	13.39▌							
	III	7.32	7.86	8.43	9.02	9.63	10.25	10.89	11.54	12.22	12.93	13.65	14.40▌														

* Indicates pressure at heel.

▌ Heavy vertical line indicates maximum allowable wall height for particular wall type and particular loading case.



DETAIL OF DESIGN LOADING CASES

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

REINFORCED CONCRETE CRIB WALL FOUNDATION PRESSURE- VERTICAL WALL

NO SCALE

C7G

2006 STANDARD PLAN C7G

8-1-05