

MASONRY WALL SCHEDULE
1500 psf - BEARING CAPACITY (TYP. NATURAL UNDISTURBED SOILS OR COMPACTED AND TESTED SOILS SEE GENERAL NOTES SHEET RW1)

WALL HEIGHT H	BASE WIDTH B	TOE DEPTH B1	BASE DEPTH (TOE) C	BASE DEPTH (HEEL) C1	BATTER A	FULLY MORTARED ZONE E	THICKNESS OF WALL F	BEARING CAPACITY
1'-0"	1'-0"	0'-0"	1'-0"	0'-2"	0'-2"	FULLY MORTARED	1'-0"	1500 psf
2'-0"	1'-2"	0'-2"	1'-0"	0'-3"	0'-4"	FULLY MORTARED	1'-0"	
3'-0"	1'-8"	0'-2"	1'-0"	0'-4"	0'-6"	FULLY MORTARED	1'-6"	
4'-0"	2'-3"	0'-3"	1'-3"	0'-5"	0'-8"	FULLY MORTARED	2'-0"	
5'-0"	3'-0"	0'-4"	1'-6"	0'-7"	0'-10"	0'-8"	2'-8"	1700 psf
6'-0"	3'-8"	0'-6"	1'-9"	0'-8"	1'-0"	0'-10"	3'-2"	
7'-0"	4'-3"	0'-7"	1'-9"	0'-9"	1'-2"	0'-10"	3'-8"	
8'-0"	5'-0"	0'-8"	2'-0"	0'-11"	1'-4"	1'-0"	4'-4"	

WALL DESIGN CRITERIA

BEARING q_u	SLOPE TOP β	SLOPE BOT β_1	ACTIVE PRESSURE o_a	PASSIVE PRESSURE o_p	FRICTION ANGLE BASE δ	SLOPE OF BACK OF WALL α	SURCHARGE q
1500PSF	5.71 deg	14 deg	28 deg	28 deg	17 deg	99.46 deg	0 psf

USE THIS SCHEDULE FOR 1/RW3

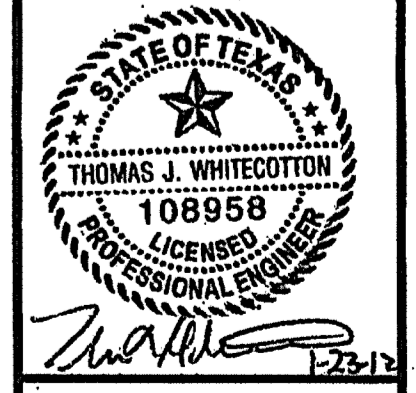
1
RW3 TYPICAL WALL SECTION - DETENTION POND
MAX SLOPE ABOVE WALL 1V:10H
BEARING IN CLAY SOILS 1/2" = 1'-0"

DATE	BY	NO.	DATE	REVISION
01-23-12	TJW			
01-23-12	TJW			
01-23-12	TJF			

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The user of these plans shall be responsible for the accuracy of the information provided herein. The user shall be responsible for the accuracy of the information provided herein. The user shall be responsible for the accuracy of the information provided herein.

MASONRY RETAINING WALLS
HONDA OF ROCKWALL ADDITION
OFF IH30 NEAR TOWNSEND DRIVE
ROCKWALL, TEXAS
ERWS, INC.
EULESS, TEXAS
ERWS JOB NO. 110209



JOB NO. 459.11
RW3