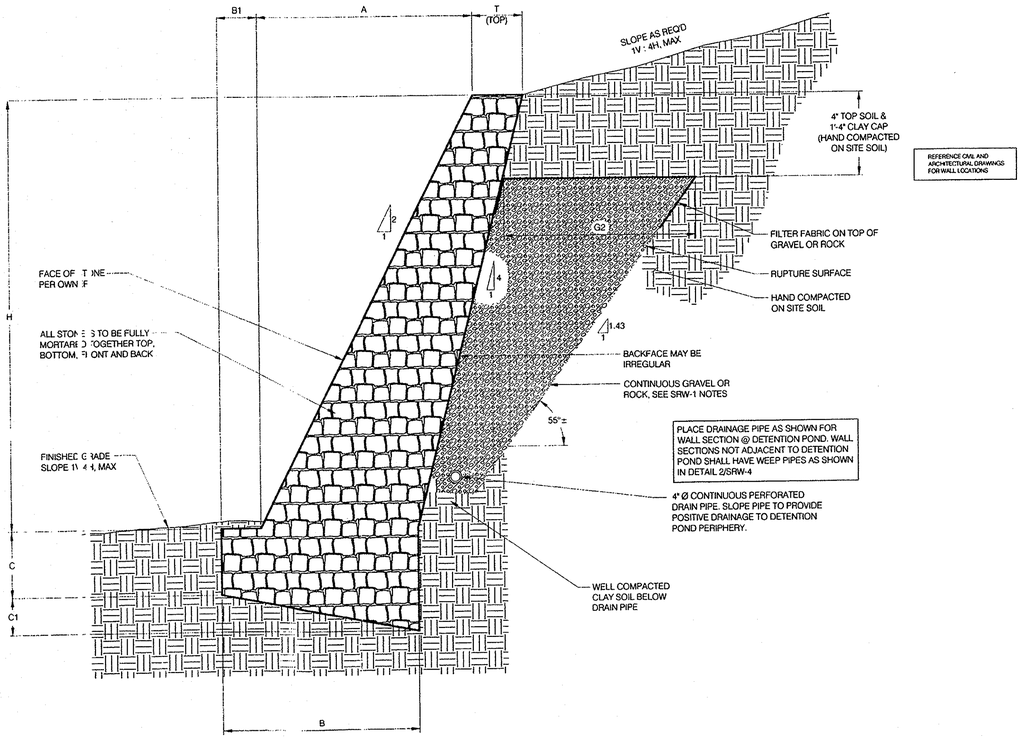


2-1 RETAINING WALL SECTION
SLOPE SOILS ON TOP & BOTTOM OF WALL 1V : 4H (14°) MAX
BEARING ON UNDISTURBED ONSITE SOIL OR COMPACTED AND TESTED SOILS

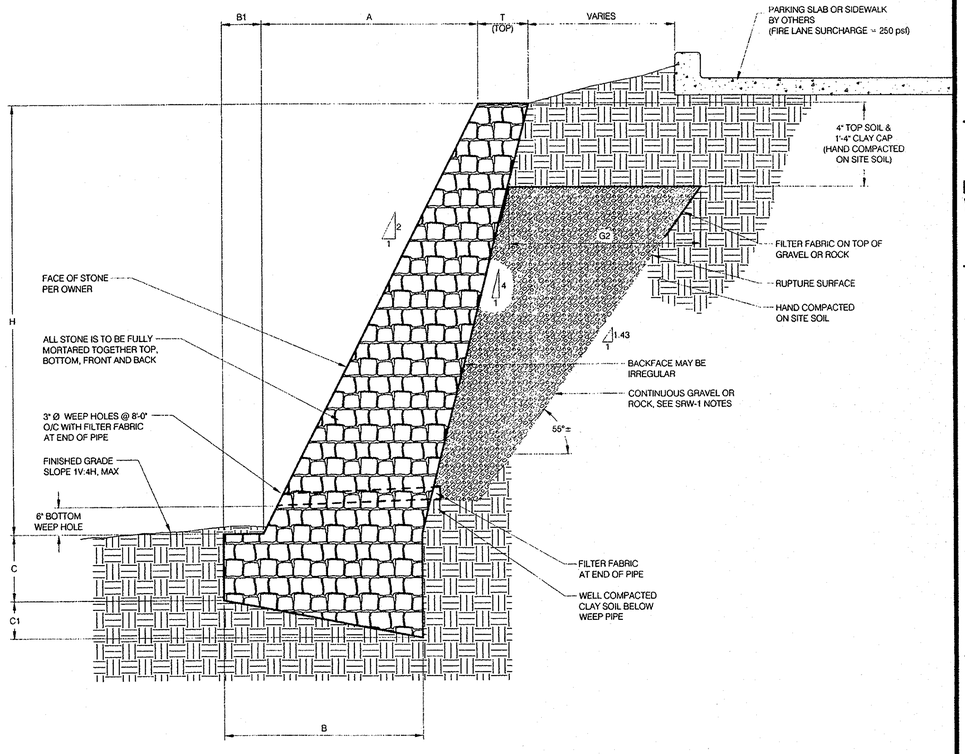
1 SRW-4 SCALE: 1/2" = 1'-0"

MASONRY WALL SCHEDULE

2500 psf - BEARING CAPACITY (NATIVE UNDISTURBED SOILS OR COMPACTED AND TESTED SOILS SEE GENERAL NOTES SHEET SRW-1)

WALL HEIGHT H	BATTER A	BASE WIDTH B	TOE B1	WALL THICKNESS T	BASE DEPTH C	BASE DEPTH C1	FULLY MORTARED E	GRAVEL (BOTTOM) G1	GRAVEL (TOP) G2	VOLUME STONE cf/ft	VOLUME GRAVEL cf/ft	BEARING CAPACITY
2'-0"	1'-0"	1'-6"	0'-0"	1'-0"	0'-7"	0'-3"	FULLY MORTARED	1'-0"	1'-2"	3.6	0.5	
3'-0"	1'-6"	1'-9"	0'-0"	1'-0"	0'-8"	0'-4"	FULLY MORTARED	1'-0"	1'-7"	5.6	1.1	
4'-0"	2'-0"	2'-0"	0'-0"	1'-0"	0'-8"	0'-4"	FULLY MORTARED	1'-0"	2'-1"	7.6	2.8	
5'-0"	2'-6"	2'-3"	0'-0"	1'-0"	0'-10"	0'-5"	FULLY MORTARED	1'-0"	2'-6"	10.5	5.0	
6'-0"	3'-0"	2'-6"	0'-0"	1'-0"	1'-1"	0'-5"	FULLY MORTARED	1'-0"	2'-11"	13.7	7.6	
7'-0"	3'-6"	2'-9"	0'-0"	1'-0"	1'-3"	0'-6"	FULLY MORTARED	1'-0"	3'-5"	17.3	10.6	
8'-0"	4'-0"	3'-3"	0'-3"	1'-0"	1'-5"	0'-7"	FULLY MORTARED	1'-0"	3'-10"	21.6	14.1	
9'-0"	4'-6"	3'-7"	0'-4"	1'-0"	1'-7"	0'-8"	FULLY MORTARED	1'-0"	4'-3"	26.1	18.1	
10'-0"	5'-0"	4'-0"	0'-6"	1'-0"	1'-10"	0'-8"	FULLY MORTARED	1'-0"	4'-9"	31.1	22.5	
11'-0"	5'-6"	4'-5"	0'-8"	1'-0"	1'-12"	0'-9"	FULLY MORTARED	1'-0"	5'-2"	36.6	27.3	2000
12'-0"	6'-0"	5'-0"	1'-0"	1'-0"	2'-1"	0'-11"	FULLY MORTARED	1'-0"	5'-8"	42.8	32.6	
13'-0"	6'-6"	5'-5"	1'-2"	1'-0"	2'-4"	0'-11"	FULLY MORTARED	1'-0"	6'-1"	49.2	38.4	
14'-0"	7'-0"	5'-9"	1'-3"	1'-0"	2'-6"	1'-0"	FULLY MORTARED	1'-0"	6'-6"	55.7	44.6	
15'-0"	7'-6"	6'-6"	1'-9"	1'-0"	2'-7"	1'-2"	FULLY MORTARED	1'-0"	6'-12"	63.8	51.2	
16'-0"	8'-0"	7'-0"	2'-0"	1'-0"	2'-9"	1'-3"	FULLY MORTARED	1'-0"	7'-5"	71.7	58.3	
17'-0"	8'-6"	7'-6"	2'-3"	1'-0"	2'-11"	1'-4"	FULLY MORTARED	1'-0"	7'-11"	80.0	65.9	
18'-0"	9'-0"	8'-0"	2'-6"	1'-0"	3'-1"	1'-5"	FULLY MORTARED	1'-0"	8'-4"	88.9	73.9	
19'-0"	9'-6"	8'-6"	2'-9"	1'-0"	3'-3"	1'-6"	FULLY MORTARED	1'-0"	8'-9"	98.1	82.3	
20'-0"	10'-0"	9'-0"	3'-0"	1'-0"	3'-5"	1'-7"	FULLY MORTARED	1'-0"	9'-3"	107.9	91.2	
21'-0"	10'-6"	9'-6"	3'-3"	1'-0"	3'-7"	1'-8"	FULLY MORTARED	1'-0"	9'-8"	118.0	100.5	
22'-0"	11'-0"	10'-0"	3'-6"	1'-0"	3'-9"	1'-9"	FULLY MORTARED	1'-0"	10'-2"	128.7	110.3	2500
23'-0"	11'-6"	10'-6"	3'-9"	1'-0"	3'-11"	1'-10"	FULLY MORTARED	1'-0"	10'-7"	139.8	120.6	
24'-0"	12'-0"	11'-0"	4'-0"	1'-0"	4'-1"	1'-11"	FULLY MORTARED	1'-0"	11'-0"	151.3	131.3	

NOTE: USE THIS SCHEDULE FOR 3/SRW-2



2-1 RETAINING WALL SECTION ADJACENT TO FIRELANE
SLOPE SOILS ON TOP & BOTTOM OF WALL 1V : 4H (14°) MAX
BEARING ON UNDISTURBED ONSITE SOIL OR COMPACTED AND TESTED SOILS

2 SRW-4 SCALE: 1/2" = 1'-0"

MASONRY WALL SCHEDULE

2500 psf - BEARING CAPACITY (NATIVE UNDISTURBED SOILS OR COMPACTED AND TESTED SOILS SEE GENERAL NOTES SHEET SRW-1)

WALL HEIGHT H	BATTER A	BASE WIDTH B	TOE B1	WALL THICKNESS T	BASE DEPTH C	BASE DEPTH C1	FULLY MORTARED E	GRAVEL (BOTTOM) G1	GRAVEL (TOP) G2	VOLUME STONE cf/ft	VOLUME GRAVEL cf/ft	BEARING CAPACITY
2'-0"	1'-0"	1'-6"	0'-0"	1'-0"	0'-7"	0'-3"	FULLY MORTARED	1'-0"	1'-2"	3.6	0.5	
3'-0"	1'-6"	1'-9"	0'-0"	1'-0"	0'-8"	0'-4"	FULLY MORTARED	1'-0"	1'-7"	5.6	1.1	
4'-0"	2'-0"	2'-0"	0'-0"	1'-0"	0'-8"	0'-4"	FULLY MORTARED	1'-0"	2'-1"	7.6	2.8	
5'-0"	2'-6"	2'-5"	0'-2"	1'-0"	0'-10"	0'-5"	FULLY MORTARED	1'-0"	2'-6"	10.6	5.0	
6'-0"	3'-0"	2'-10"	0'-4"	1'-0"	1'-0"	0'-6"	FULLY MORTARED	1'-0"	2'-11"	14.0	7.6	
7'-0"	3'-6"	3'-3"	0'-6"	1'-0"	1'-2"	0'-7"	FULLY MORTARED	1'-0"	3'-5"	17.9	10.6	
8'-0"	4'-0"	3'-8"	0'-8"	1'-0"	1'-4"	0'-8"	FULLY MORTARED	1'-0"	3'-10"	22.2	14.1	
9'-0"	4'-6"	4'-1"	0'-10"	1'-0"	1'-6"	0'-9"	FULLY MORTARED	1'-0"	4'-3"	26.8	18.1	2000
10'-0"	5'-0"	4'-6"	1'-0"	1'-0"	1'-9"	0'-10"	FULLY MORTARED	1'-0"	4'-9"	32.0	22.5	
11'-0"	5'-6"	4'-11"	1'-2"	1'-0"	1'-11"	0'-10"	FULLY MORTARED	1'-0"	5'-2"	37.5	27.3	
12'-0"	6'-0"	5'-4"	1'-4"	1'-0"	2'-1"	0'-11"	FULLY MORTARED	1'-0"	5'-8"	43.5	32.6	
13'-0"	6'-6"	5'-9"	1'-6"	1'-0"	2'-3"	1'-0"	FULLY MORTARED	1'-0"	6'-1"	49.9	38.4	
14'-0"	7'-0"	6'-2"	1'-8"	1'-0"	2'-5"	1'-1"	FULLY MORTARED	1'-0"	6'-6"	56.7	44.6	
15'-0"	7'-6"	6'-7"	1'-10"	1'-0"	2'-7"	1'-2"	FULLY MORTARED	1'-0"	6'-12"	64.0	51.2	
16'-0"	8'-0"	7'-0"	2'-0"	1'-0"	2'-9"	1'-3"	FULLY MORTARED	1'-0"	7'-5"	71.7	58.3	
17'-0"	8'-6"	7'-6"	2'-3"	1'-0"	2'-11"	1'-4"	FULLY MORTARED	1'-0"	7'-11"	80.0	65.9	
18'-0"	9'-0"	8'-0"	2'-6"	1'-0"	3'-1"	1'-5"	FULLY MORTARED	1'-0"	8'-4"	88.9	73.9	2250
19'-0"	9'-6"	8'-6"	2'-9"	1'-0"	3'-3"	1'-6"	FULLY MORTARED	1'-0"	8'-9"	98.1	82.3	
20'-0"	10'-0"	9'-0"	3'-0"	1'-0"	3'-5"	1'-7"	FULLY MORTARED	1'-0"	9'-3"	107.9	91.2	
21'-0"	10'-6"	9'-6"	3'-3"	1'-0"	3'-7"	1'-8"	FULLY MORTARED	1'-0"	9'-8"	118.0	100.5	
22'-0"	11'-0"	10'-0"	3'-6"	1'-0"	3'-9"	1'-9"	FULLY MORTARED	1'-0"	10'-2"	128.7	110.3	2500
23'-0"	11'-6"	10'-6"	3'-9"	1'-0"	3'-11"	1'-10"	FULLY MORTARED	1'-0"	10'-7"	139.8	120.6	
24'-0"	12'-0"	11'-0"	4'-0"	1'-0"	4'-1"	1'-11"	FULLY MORTARED	1'-0"	11'-0"	151.3	131.3	

NOTE: USE THIS SCHEDULE FOR 2/SRW-2

RECORD DRAWING
THIS RECORD DRAWING HEREIN REFLECTS TO THE BEST OF THE DESIGN ENGINEER'S KNOWLEDGE, THE APPROXIMATE LOCATION OF THE CONSTRUCTED WORK, USING INFORMATION AS PROVIDED BY THE CONTRACTORS AND SURVEYED GRADES.

FX
ENGINEERING SERVICES, INC.
P.O. Box 213
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Contractor

ENGINEERED RETAINING WALL SYSTEMS, INC.
EULESS, TEXAS

ROCKWALL COMMONS
ROCKWALL, TEXAS

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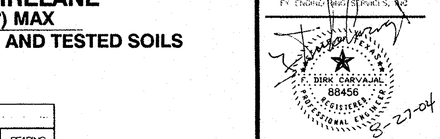

Revisions

#	ISSUE	DATE

Sheet Information

Date	8/27/04
FX Job #	0122
Scale	AS NOTED
Drawn	RKR
Approved	FDC

Sheet Title

TYPICAL WALL SECTIONS

Sheet #

SRW-4

ISSUE for CONSTRUCTION