

WOOD FENCE AND 2" DIA. GALV. STEEL POSTS AT 8'-0" O.C. BY OTHERS. GROUT POST INTO SLEEVE.

4" DIA. x 18" LONG PVC SLEEVE FOR FENCE POSTS, BY ERWS

3-#3 x 3'-0" LONG EACH SIDE OF POST, TYP.

NOTE: PLACEMENT OF STONE NEED NOT 'COURSE OUT' EXCEPT AT FRONT FACE.

TIGHTLY FITTED STONE NO MORTAR REQUIRED

INDICATES ZONE WHERE STONE IS TO BE FULLY MORTARED TOGETHER TOP, BOTTOM, FRONT AND BACK.

POINT ALL FACE STONE JOINTS

FACE STONE PER OWNER

3" DIA. WEEP HOLES @ 8'-0" O.C.

FINISHED GRADE SLOPE 1V:4H MAX. OR CONCRETE SLAB DRIVEWAY OR SIDEWALK

6" DIA. WEEP HOLES

SLOPE 1V : 4H

4" TOP SOIL & 1'-8" CLAY CAP AND HAND COMPACTED ON SITE SOIL

MIRAFY FILTER FABRIC ON TOP OF GRAVEL OR ROCK

RUPTURE SURFACE

BACKFACE MAY BE IRREGULAR.

CONTINUOUS GRAVEL OR ROCK, RE: RW1 NOTES

HAND COMPACTED ON SITE SOIL

PROVIDE ALUMINUM ' LEAF GUARD ' OR GALVANIZED HARDWARE CLOTH AT END OF WEEP PIPE. CLOTH OPENINGS UP 1/4" TO 3/4" ARE ACCEPTABLE.

WELL COMPACTED CLAY SOIL BELOW WEEP PIPE

1600 μ lb BEARING CAPACITY (STIFF SOIL OR COMPACTED & TESTED SOIL - SEE GENERAL NOTES RW1)

WALL HEIGHT H	BATTER A	BASE WIDTH B	TOE B1	WALL THICKNESS T	BASE DEPTH (TOE) C	BASE DEPTH (HEEL) C1	FULLY MORTARED ZONE E	GRAVEL G1	VOLUME STONE cu ft
2'-0" OR SMALLER	0'-4"	2'-2"	0'-0"	2'-2"	1'-0"	0'-5"	FULLY MORTARED	1'-0"	5.7
3'-0"	0'-6"	2'-2"	0'-0"	2'-2"	1'-0"	0'-5"	FULLY MORTARED	1'-0"	7.9
4'-0"	0'-8"	2'-7"	0'-4"	2'-3"	1'-3"	0'-6"	FULLY MORTARED	1'-0"	11.6
5'-0"	0'-10"	3'-3"	0'-6"	2'-9"	1'-6"	0'-7"	0'-8"	1'-0"	17.8
6'-0"	1'-0"	3'-9"	0'-8"	3'-1"	1'-8"	0'-8"	0'-10"	1'-0"	23.3
7'-0"	1'-2"	4'-5"	0'-10"	3'-7"	1'-9"	0'-10"	1'-0"	1'-0"	32.0
8'-0"	1'-4"	5'-2"	1'-0"	4'-2"	2'-0"	0'-11"	1'-0"	1'-0"	42.9
9'-0"	1'-6"	5'-7"	1'-0"	4'-7"	2'-0"	1'-0"	1'-0"	1'-0"	51.6
10'-0"	1'-8"	6'-3"	1'-0"	5'-3"	2'-3"	1'-2"	1'-2"	1'-0"	65.8
11'-0"	1'-10"	6'-8"	1'-0"	5'-8"	2'-3"	1'-3"	1'-2"	1'-0"	76.6
12'-0"	2'-0"	7'-4"	1'-0"	6'-4"	2'-6"	1'-4"	1'-4"	1'-0"	93.7

USE THIS SCHEDULE FOR 2/RW4

8500 μ lb BEARING CAPACITY (HARD SOILS - SEE GENERAL NOTES RW1)

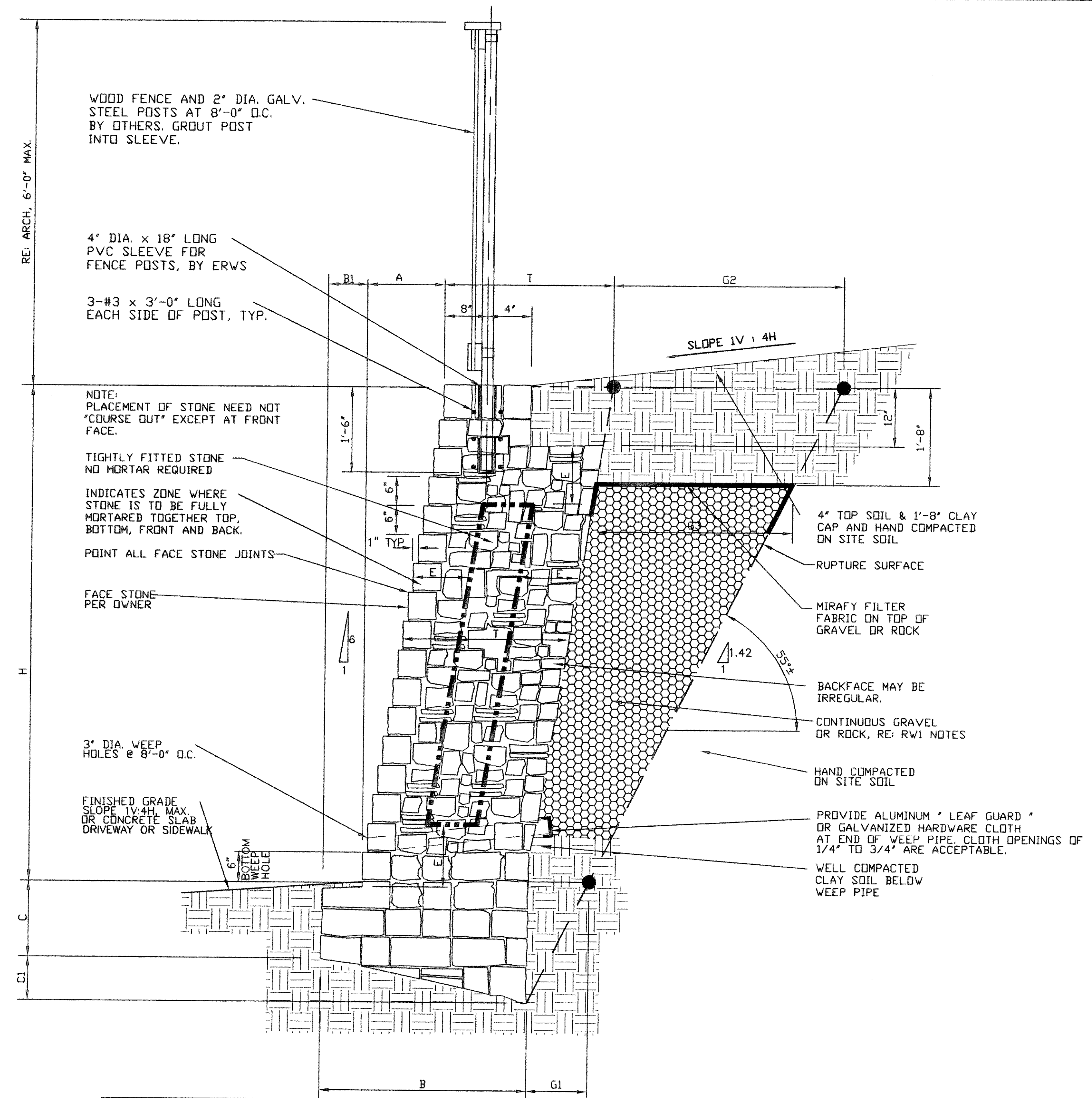
WALL HEIGHT H	BATTER A	BASE WIDTH B	TOE B1	WALL THICKNESS T	BASE DEPTH (TOE) C	BASE DEPTH (HEEL) C1	FULLY MORTARED ZONE E	GRAVEL G1	VOLUME STONE cu ft
2'-0" OR SMALLER	0'-4"	2'-2"	0'-0"	2'-2"	1'-0"	0'-5"	FULLY MORTARED	1'-0"	5.7
3'-0"	0'-6"	2'-2"	0'-0"	2'-2"	1'-0"	0'-5"	FULLY MORTARED	1'-0"	7.9
4'-0"	0'-8"	2'-4"	0'-2"	2'-2"	1'-0"	0'-5"	FULLY MORTARED	1'-0"	10.3
5'-0"	0'-10"	2'-8"	0'-4"	2'-4"	1'-0"	0'-6"	0'-8"	1'-0"	13.6
6'-0"	1'-0"	3'-3"	0'-6"	2'-10"	1'-3"	0'-7"	0'-10"	1'-0"	20.2
7'-0"	1'-2"	3'-9"	0'-8"	3'-3"	1'-3"	0'-8"	0'-10"	1'-0"	26.4
8'-0"	1'-4"	4'-4"	0'-7"	3'-9"	1'-6"	0'-10"	1'-0"	1'-0"	35.4
9'-0"	1'-6"	4'-9"	0'-8"	4'-1"	1'-6"	0'-10"	1'-0"	1'-0"	42.8
10'-0"	1'-8"	5'-4"	0'-9"	4'-7"	1'-9"	1'-0"	1'-2"	1'-0"	54.1
11'-0"	1'-10"	5'-10"	0'-10"	5'-0"	1'-9"	1'-0"	1'-2"	1'-0"	64.2
12'-0"	2'-0"	6'-4"	0'-11"	5'-5"	2'-0"	1'-2"	1'-4"	1'-0"	76.8

USE THIS SCHEDULE FOR 2/RW4

2 RW4

TYPICAL WALL SECTION WITH 6'-0" WOOD FENCE & REDUCED GRAVEL BEHIND WALL

3/4" = 1'-0"



WOOD FENCE AND 2" DIA. GALV. STEEL POSTS AT 8'-0" O.C. BY OTHERS. GROUT POST INTO SLEEVE.

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3-#3 x 3'-0" LONG EACH SIDE OF POST, TYP.

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TIGHTLY FITTED STONE NO MORTAR REQUIRED

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POINT ALL FACE STONE JOINTS

FACE STONE PER OWNER

3" DIA. WEEP HOLES @ 8'-0" O.C.

FINISHED GRADE SLOPE 1V:4H MAX. OR CONCRETE SLAB DRIVEWAY OR SIDEWALK

6" DIA. WEEP HOLES

SLOPE 1V : 4H

4" TOP SOIL & 1'-8" CLAY CAP AND HAND COMPACTED ON SITE SOIL

MIRAFY FILTER FABRIC ON TOP OF GRAVEL OR ROCK

RUPTURE SURFACE

BACKFACE MAY BE IRREGULAR.

CONTINUOUS GRAVEL OR ROCK, RE: RW1 NOTES

HAND COMPACTED ON SITE SOIL

PROVIDE ALUMINUM ' LEAF GUARD ' OR GALVANIZED HARDWARE CLOTH AT END OF WEEP PIPE. CLOTH OPENINGS OF 1/4" TO 3/4" ARE ACCEPTABLE.

WELL COMPACTED CLAY SOIL BELOW WEEP PIPE

1600 μ lb BEARING CAPACITY (STIFF SOILS OR COMPACTED & TESTED SOIL - SEE GENERAL NOTES SHEET RW1)

H	A	B	B1	T	C	C1	E	G1	G2	VOLUME STONE cu ft	VOLUME GRAVEL cu ft
2'-0" OR SMALLER	0'-4"	1'-9"	0'-0"	1'-9"	0'-6"	0'-4"	FULLY MORTARED	0'-7"	1'-8"	4.6	0.7
3'-0"	0'-6"	1'-9"	0'-0"	1'-9"	0'-9"	0'-4"	FULLY MORTARED	0'-9"	2'-5"	6.8	2.1
4'-0"	0'-8"	2'-0"	0'-0"	2'-0"	0'-9"	0'-4"	FULLY MORTARED	0'-10"	3'-0"	9.9	4.3
5'-0"	0'-10"	2'-1"	0'-2"	1'-11"	1'-0"	0'-5"	0'-8"	1'-0"	3'-8"	12.0	7.7
6'-0"	1'-0"	2'-5"	0'-2"	2'-3"	1'-0"	0'-6"	0'-10"	1'-0"	4'-3"	16.4	11.3
7'-0"	1'-2"	2'-11"	0'-3"	2'-8"	1'-3"	0'-7"	0'-10"	1'-3"	5'-0"	23.1	16.7
8'-0"	1'-4"	3'-5"	0'-4"	3'-1"	1'-6"	0'-8"	1'-0"	1'-6"	5'-9"	30.8	23.0
9'-0"	1'-6"	4'-1"	0'-10"	3'-3"	1'-8"	0'-9"	1'-0"	2'-1"	6'-5"	34.6	24.7
10'-0"	1'-8"	4'-6"	0'-11"	3'-7"	1'-9"	0'-10"	1'-2"	2'-4"	7'-2"	42.9	31.6
11'-0"	1'-10"	4'-10"	0'-11"	3'-11"	1'-9"	0'-11"	1'-2"	2'-4"	7'-9"	50.7	37.9
12'-0"	2'-0"	5'-2"	0'-11"	4'-3"	1'-9"	0'-11"	1'-4"	2'-5"	8'-4"	59.1	44.7

USE THIS SCHEDULE FOR 1/RW4

8500 μ lb BEARING CAPACITY (HARD SOILS - SEE GENERAL NOTES SHEET RW1)

H	A	B	B1	T	C	C1	E	G1	G2	VOLUME STONE cu ft	VOLUME GRAVEL cu ft
2'-0" OR SMALLER	0'-4"	1'-9"	0'-0"	1'-9"	0'-6"	0'-3"	FULLY MORTARED	0'-8"	1'-8"	4.6	0.4
3'-0"	0'-6"	1'-9"	0'-0"	1'-9"	0'-9"	0'-3"	FULLY MORTARED	0'-9"	2'-4"	6.8	2.1
4'-0"	0'-8"	1'-10"	0'-0"	1'-10"	0'-9"	0'-3"	FULLY MORTARED	0'-9"	2'-11"	9.0	4.3
5'-0"	0'-10"	2'-0"	0'-0"	2'-0"	1'-0"	0'-4"	0'-8"	1'-0"	3'-8"	12.4	7.7
6'-0"	1'-0"	2'-1"	0'-0"	2'-1"	1'-0"	0'-5"	0'-10"	1'-0"	4'-3"	15.0	11.2
7'-0"	1'-2"	2'-6"	0'-0"	2'-6"	1'-3"	0'-6"	0'-10"	1'-3"	5'-0"	21.2	16.4
8'-0"	1'-4"	2'-10"	0'-0"	2'-10"	1'-6"	0'-8"	1'-0"	1'-5"	5'-9"	27.6	22.5
9'-0"	1'-6"	3'-8"	0'-8"	3'-0"	1'-3"	0'-8"	1'-0"	1'-10"	6'-3"	30.8	23.3
10'-0"	1'-8"	4'-1"	0'-9"	3'-4"	1'-6"	0'-9"	1'-2"	2'-1"	7'-0"	38.6	30.0
11'-0"	1'-10"	4'-6"	0'-10"	3'-8"	1'-6"	0'-10"	1'-2"	2'-1"	7'-7"	46.2	36.2
12'-0"	2'-0"	4'-11"	0'-11"	4'-0"	1'-6"	0'-11"	1'-4"	2'-2"	8'-2"	54.5	42.9

USE THIS SCHEDULE FOR 1/RW4

1 RW4

TYPICAL WALL SECTION WITH 6'-0" WOOD FENCE

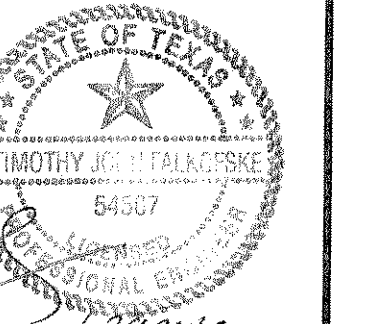
3/4" = 1'-0"

NO.	DATE	BY	CHK.	DES.	DRN.	BY
	08-29-06	TJF		TJF		
	08-29-06	YG		YG		
	08-29-06	TJF		TJF		

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MASONRY RETAINING WALLS WITH REDUCE GRAVEL BEHIND WALL AND 6'-0" WOOD FENCE ON THE TOP OF WALL
CASTLE RIDGE ESTATES, PHASE 1
S.H. 205 AND F.M. 552
ROCKWALL, TEXAS
ENGINEERED RETAINING WALL SYSTEMS, INC.
EULESS, TEXAS



JOB NO. 132.06

RW4