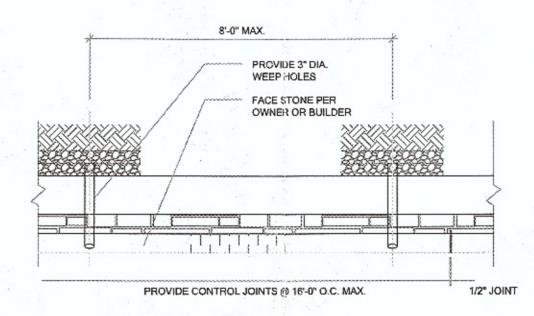


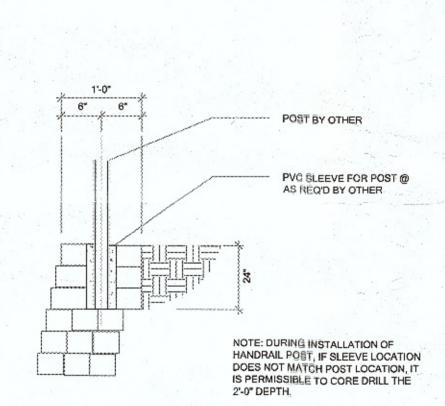
4" EXPANSION . JOINT MATERIAL RW1 ______ N.T.S. 4'-6" +/-PROVIDE CONTROL JOINTS @ 16'-0" O.C. MAX.

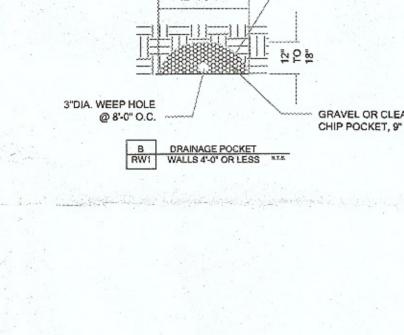
TYPICAL PLAN VIEW AT CORNER



TYPICAL PLAN VIEW AT BASE

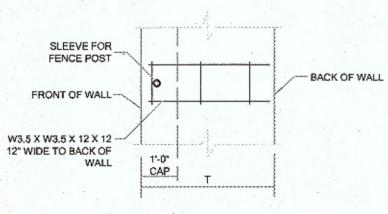
RW1/1 DETAIL OF TYPICAL MASONRY WALL

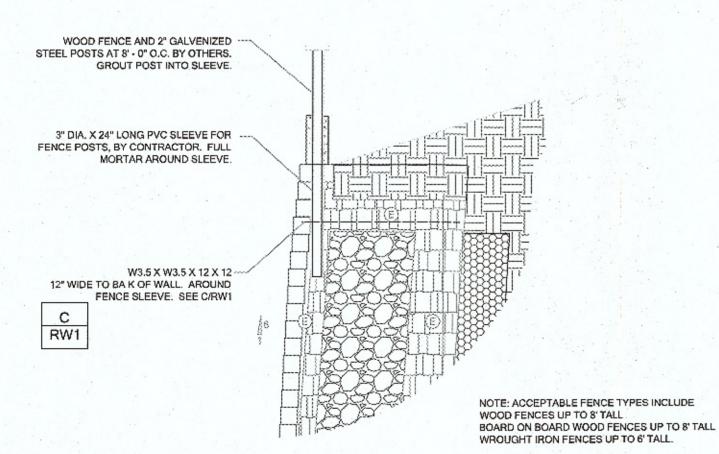




FILTER FABRIC AROUND DRAINAGE POCKET

WALL SECTION W/ FENCE POST





			RW1/1-	MASONRY WA	LL SCHEDULE	-1800 psf			
			1800 psf-BEARING	CAPACITY (COMPA	CTED AND TESTED	OR NATURAL SOILS	i) ·		
WALL	BASE	TOE	BASE	BASE	BATTER	FULLY MORTARED	THICKNESS	DRAINAGE ZONE	BEARING
HEIGHT	WIDTH		DEPTH (TOE)	DEPTH (HEEL)		ZONE	OF WALL	THICKNESS	CAPACITY
Н	В	B1	С	C1	A	E	Т	G	
1"-0"	1'-1"	0'-1"	0' - 9"	0' - 2"	0" - 2"	FULLY	1' - 0"	SEE B/RW1	1800 psf
2" - 0"	1' - 6"	0' - 3"	0' - 9"	0' - 3"	0° - 4°	FULLY	1' - 3"	SEE B/RW1	
3, - 0 _n	1'-11"	0' - 3"	0' - 10"	0' - 4"	0' - 6"	FULLY	1'-8"	SEE B/RW1	
4" - 0"	2' - 3"	03-431	1'-0"	0'-5"	0'-8"	FULLY	1' - 11"	SEE B/RW1	
5' - 0"	2' - 6"	0'-5"	1'-4"	0' - 6"	0' - 10"	0° - 9"	2' - 1"	0' - 9"	
6' - 0"	3, - 0,,	0° - 6°	1' - 6"	0' - 7"	1' - 0"	0°-9"	2° - 7"	15 - Oti	
7' - 0"	3' - 6"	۵٬ - 7٬۱	1'-8"	0'-8"	1'-2"	0' - 10"	2' - 11"	1° - 0°	
8" - 0"	4' - 0"	0' - 9''	1° - 11"	0' - 9"	1'-4"	1° - 0"	3' - 3"	1°-3°	
			11 11 11.	WALL DESIG	IN CRITERIA				
BEARING	SLOPE TOP	SLOPE BOT	ACTIVE PRESSURE	PASSIVE PRESSURE	FRICTION ANGLE BASE	SLOPE OF BACK OF WALL	SURCHARGE		
$Q_{\rm z}$	β	βι	фа	фр	8	α	q		
1800 psf	18.4 deg	18.4 deg	30 deg	30 deg	17 deg	99.5 deg	0 psf		

DETAIL OF WALL WITH WELDED WIRE FABRIC FOR FENCE SLEEVE

RW1/1 MASONRY WALL SCHEDULE 1. Design Building Code

International Building Code, 2009 Edition

2. Geotechnical Report Firm: EWI

Report No: BH153460R Dated: May 22, 2015

Allowable Bearing Capacity: 1800psf on undisturbed or properly compacted fill soils.

An 1800 psf bearing capacity is anticipated throughout the site. Each wall section has a design for multiple bearing capacity options. It will be field verified which bearing condition to use based on the conditions of the soil at the base of the wall during excavation. If the bearing capacity changes along the length of the retaining wall it is permitted to change bearing capacity designs as necessary.

3. Geotechnical Criteria

Bearing on Stiff Natural Undisturbed Clayey Soils or Compacted and Tested Soils Allowable Bearing: 1800 psf, minimum

Backfill Soil Parameters:

Backfill Soil - Natural Clays or Fill Soils

Backfill Angle of Internal Friction PHI = 30 degrees

Friction Angle between Base of Wall and Soil - 17 degrees

Base Soil Parameters:

Soil at Toe - natural, Undisturbed or Fill Soils

Angle of Internal Friction PHI = 30 degrees

The backfill soil angle of internal friction referred to above is a composite angle of internal friction and includes both cohesion and angle of internal friction of the soils.

The use of very wet or very dry backfill soil should be avoided. The use of heavy equipment within 3'-0" of the wall could damage the wall and should be avoided.

Locate base of walls on undisturbed or properly compacted soil.

4. Materials

Average density of masonry stone wall varies from 135 pcf to 145 pcf. Size of stone within wall varies from 4" to 18". Crushed concrete with or without rebar is acceptable to be used in the wall construction.

Drainage zone materials may be composed of clean gravel or stone ranging from 1" to 5". Crushed concrete is acceptable provided it is clean and generally free of dust or other deletrious materials.

Portland Cement Mortar for Retaining Wall Construction.

The Portland cement mortar used for construction of the above grade portion of the masonry stone retaining walls shall be provided with the following proportions per cubic yard of concrete. The Portland cement mortar supplier shall provide "batch tickets" clearly indicating that the appropriate amount of materials are provided in each concrete mixer truck load. The batch tickets shall clearly indicate the amount batched, the date, the project name and shall be provided to DirtSavers, LLC. for review, documentation, and file.

Contents Amount per cubic yard Type F Fly Ash: Fine Aggregate (sand): 3,250 lbs. Potable Water: 235 lbs. Type 1 Portland Cement: Admixture Eucon 100: 48 oz. average

Concrete retarders such as "Eucon 100 Retarder" may be used at the discretion of the masonry wall contractor. A greater amount of retarder (about 64 ounces) is typically used during hot periods and a less amount of retarder (about 32 ounces) is typically used during cool weather.

Please note that the above proportions will provide a Portland cement mortar with a compressive strength of about fc = 2000 psi. DirtSavers, LLC. does not require any concrete testing provided the above proportions are verified by way of the "batch tickets".

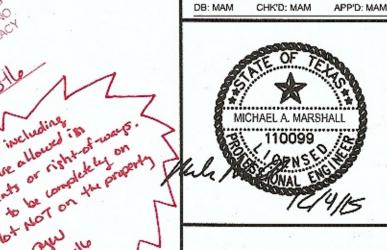
5. Construction Reviews

DirtSavers, LLC. shall be called for construction review of masonry wall.

6. Retaining Wall Design Constraints

Retaining walls should not have solid fence placed on top of wall other than that shown on these plans. Retaining walls shall not have additional surcharge placed above the wall other than that shown on these plans. Retaining walls shall not have slope at base or top of wall that exceeds that which is shown on these plans. The retaining walls noted above require special design.

Minor variations in the construction of the retaining walls from these documents may be accepted at the discretion of the design engineer.



No. Date

RETAINING WALL DETAILS AND NOTES

REVISIONS

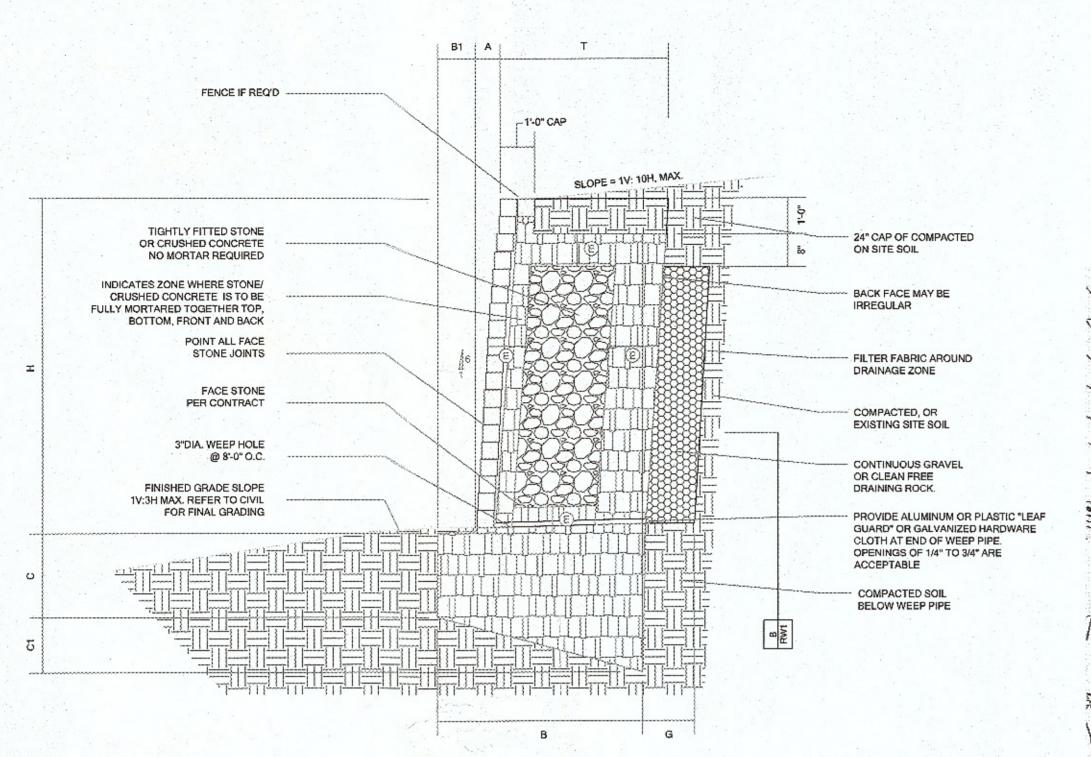
xCONSTRUCTION

RPM

PHA ING W

RW120415-12.04.201 Last Revision 12.04.2015

RW1

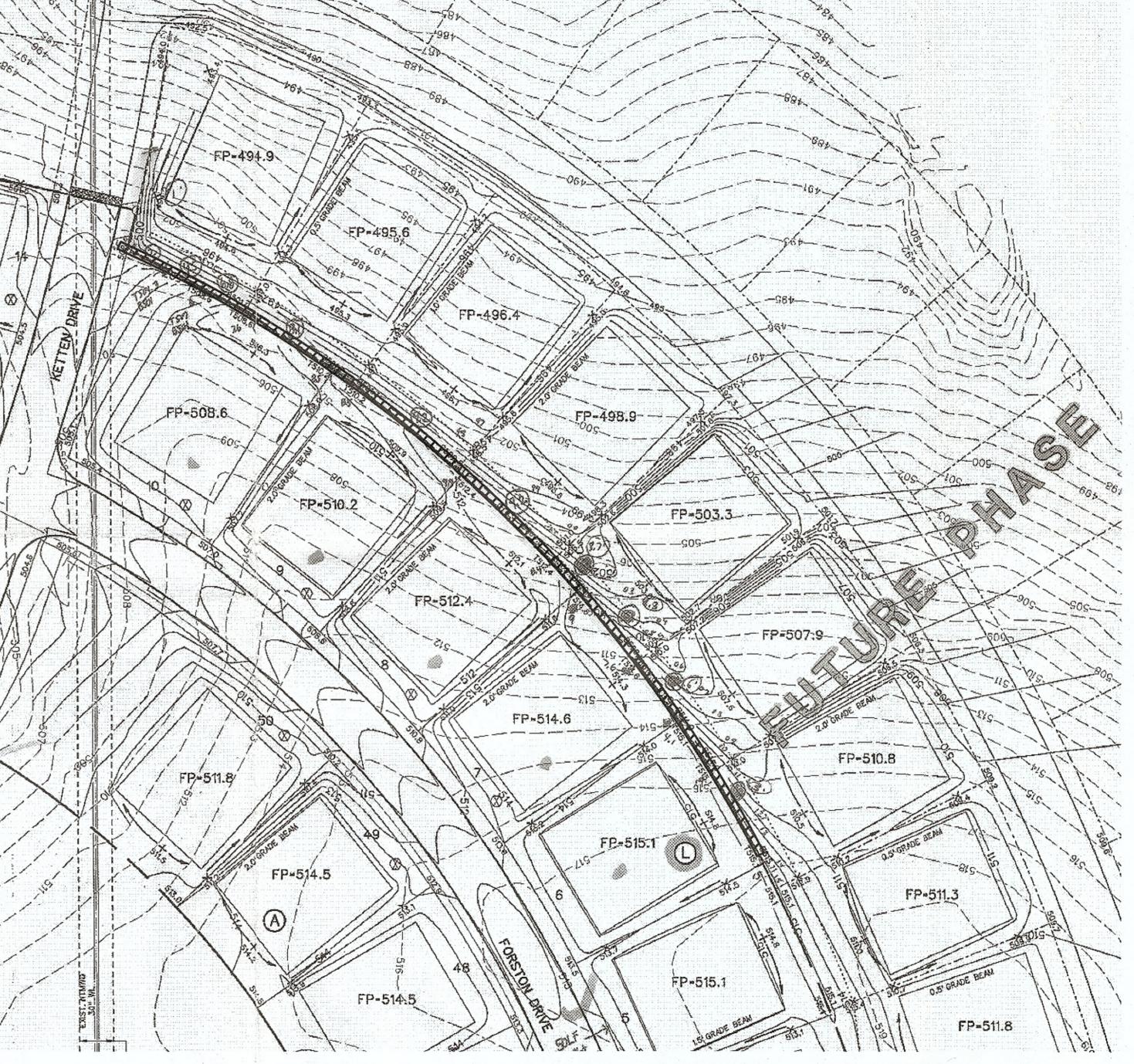


RW2/1 ALTERNATE SLOPE MASONRY WALL

		R	W2/1 - ALTER	NATEMASON	RY WALL SCH	EDULE -1800 ps	f		
			1800 psf - BEARING	CAPACITY (COMPA	CTED AND TESTED	OR NATURAL SOILS)		5
WALL	BASE	TOE	BASE	BASE	BATTER	FULLY MORTARED	THICKNESS	DRAINAGE ZONE	BEARING
HEIGHT	WIDTH		DEPTH (TOE)	DEPTH (HEEL)		ZONE	OF WALL	THICKNESS	CAPACITY
Н	В	B1	С	C1	Α	E	T	G	
7" - 0"	3' - 10"	0' - 10"	1" - 8"	0' - 8"	1'-2"	0° - 10°	3' - 0"	J, - Q,	
8t - 0"	4' - 6"	1'-0"	2" - 0"	0' - 10"	1'-4"	I' - 0"	3' - 6"	1' - 3"	
9' - 0"	5' - 2"	1' - 2"	2' - 6"	0'-11"	1'-6"	1'-2"	4" - 0"	1' - 6"	1800 psf
10' - 0"	6' - 0"	31-4tt	2" - 9"	I I.	1' - 8"	1'-4"	4" - 8"	1'-9"	
11' - 0"	6' - 9"	1'-6"	3, - 0,,	1"-3"	1° - 10°	1'-6"	5'-3"	2' - 0"	
				WALLDESIG	N CRITERIA				
BEARING	SLOPE TOP	SLOPE BOT	ACTIVE PRESSURE	PASSIVE PRESSURE	FRICTION ANGLE BASE	SLOPE OF BACK OF WALL	SURCHARGE		
Q _a	β	βι	Фа	Фр	δ	α	q		
1800 psf	5.7 deg	18.4 deg	30 deg	30 deg	17 deg	99.5 deg	0 psf		

ALT MASONRY WALL LOCATION
SCALE: N.T.S.

ALTERNATE WALL DESIGN FOR BLOCK L LOTS 6-10



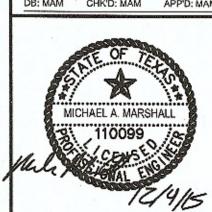
BREEZY HILL PHASE V MASONRY RETAINING WALLS ROCKWALL, TEXAS

RPM xCONSTRUCTION,

No. Date Item

REVISIONS

DB: MAM CHK'D: MAM APP'D: MAM



RETAINING WALL DETAILS AND NOTES

Project No. RW120415Date 12.04.2015
Last Revision 12.04.2015

RW2

RW2/1 ALT MASONRY WALL SCHEDULE SCALE: N.T.S.