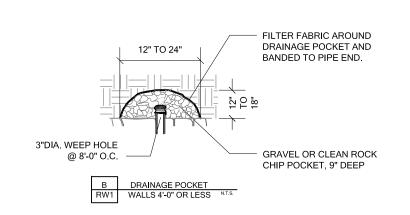
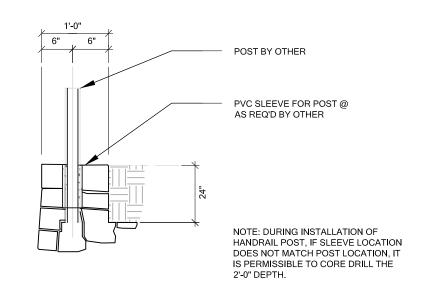
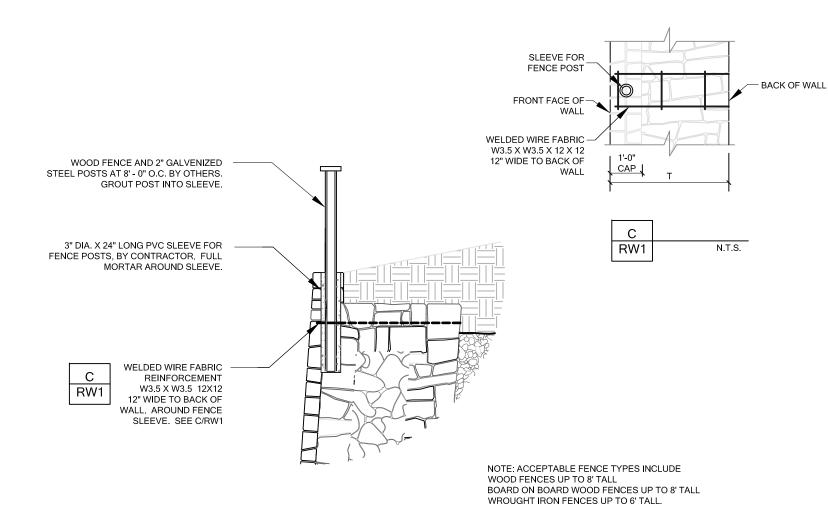
			RW1/1 MASO	NRY WALL SCH	EDULE -1800 ps	f - 6V:1H BATTE	R		
		В	EARING CAPACIT	Y ON NATURAL S	OIL OR COMPACT	ED AND TESTED F	FILLS		
WALL	BASE	TOE	BASE	BASE	BATTER	FULLY MORTARED	THICKNESS	DRAINAGE ZONE	BEARING
HEIGHT	WIDTH		DEPTH (TOE)	DEPTH (HEEL)		ZONE	OF WALL	THICKNESS	CAPACITY
Н	В	B1	С	C1	Α	E	T	G	
1' - 0"	1' - 0"	0' - 0"	0' - 9"	0' - 2"	0' - 2"	FULLY	1' - 0"	SEE B/RW1	
2' - 0"	1' - 3"	0' - 0"	0' - 10"	0' - 3"	0' - 4"	FULLY	1' - 3"	SEE B/RW1	1900 ncf
3' - 0"	1' - 7"	0' - 0"	0' - 11"	0' - 3"	0' - 6"	FULLY	1' - 7"	SEE B/RW1	1800 psf
4' - 0"	2' - 1"	0' - 1"	1' - 0"	0' - 4"	0' - 8"	FULLY	2' - 0"	SEE B/RW1	
				WALL DES	IGN CRITERIA				
BEARING	SLOPE TOP	SLOPE BOT	ACTIVE PRESSURE	PASSIVE PRESSURE	COEFFICIENT OF FRICTION	SLOPE OF BACK OF WALL	SURCHARGE		
\mathbf{Q}_{a}	β	β_1	Фа	Фр		α	q		
1800 psf	14.3 deg	14.3 deg	26 deg	26 deg	0.32	99.5 deg	0 psf		

RW1/1 MASONRY WALL W/ 6V:1H BATTER

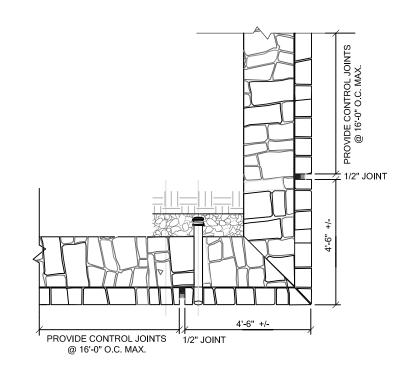




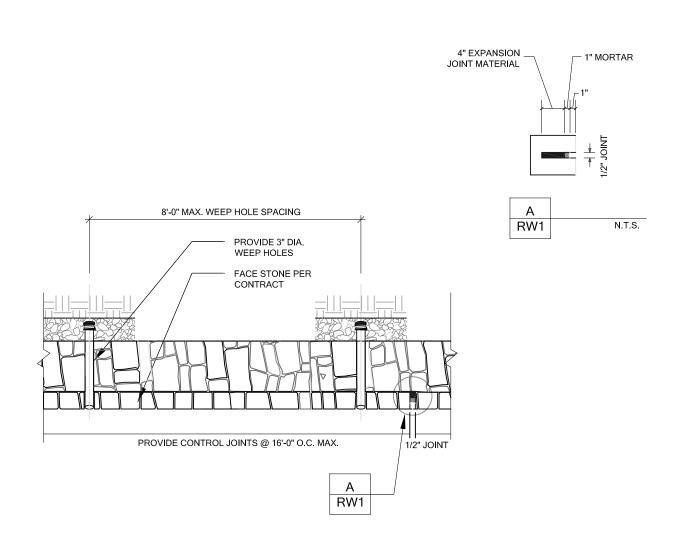
WALL SECTION W/ FENCE POST



DETAIL OF WALL WITH WELDED WIRE **FABRIC FOR FENCE SLEEVE** RW1/3



TYPICAL PLAN VIEW AT CORNER



TYPICAL PLAN VIEW AT BASE SCALE: N.T.S. RW1/5

1. Design Building Code

International Building Code, 2015 Edition

2. Geotechnical Report

Firm: EWI Project No: SC183617R

Dated: April 20, 2018 Allowable Bearing Capacity: 1800psf

3. Geotechnical Criteria

Bearing on Stiff Natural Undisturbed Clayey Soils or Compacted and Tested Soils Allowable Bearing: 1800 psf, minimum bearing on compacted and tested soils or undisturbed cuts

Friction Angle between Base of Wall and Soil - 17 degrees

Backfill Soil Parameters:

Backfill Soil - Natural Clays or Fill Soils

Backfill Angle of Internal Friction PHI = 26 degrees

Base Soil Parameters:

Soil at Toe - natural, Undisturbed or Fill Soils

Angle of Internal Friction PHI = 26 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.

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 yar
Type F Fly Ash:	94	lbs.
Fine Aggregate (sand):	3,250	lbs.
Potable Water:	235	lbs.
Type 1 Portland Cement:	376	lbs.
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 f'c = 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.

All walls built per the engineered plans.

DIRTSAVER

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NO O

SIDE

No. Date REVISIONS DB: MAM CHK'D: MAM APP'D: MAM



RETAINING WALL DETAILS AND NOTES

RW091118-Date 09.11.2018 Last Revision 09.11.2018

RW1