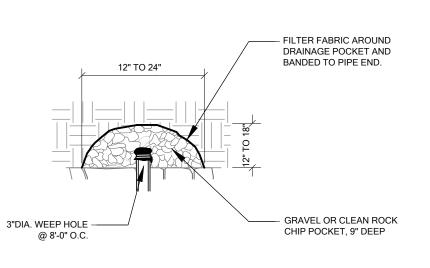
		R\W/1 /1	MASONRY WA	II SCHEDIIIE -	1500 psf - 6V:1H	I RATTER		
					OMPACTED AND			
WALL	BASE	TOE	BASE	BASE	BATTER	THICKNESS	DRAINAGE ZONE	BEARING
HEIGHT	WIDTH		DEPTH (TOE)	DEPTH (HEEL)		OF WALL	THICKNESS	CAPACITY
Н	В	B1	С	C1	Α	T	G	
1' - 0"	1' - 0"	0' - 0"	0' - 10''	0' - 2"	0' - 2"	1' - 0"	SEE B/RW1	1500 psf
2' - 0"	1' - 3"	0' - 0''	0' - 11"	0' - 3"	0' - 4"	1' - 3"	SEE B/RW1	
3' - 0"	1' - 9"	0' - 0''	1' - 0"	0' - 4"	0' - 6"	1' - 9"	SEE B/RW1	
4' - 0"	2' - 3"	0' - 0''	1' - 1"	0' - 5"	0' - 8"	2' - 3"	SEE B/RW1	
5' - 0"	2' - 10"	0' - 1"	1' - 3"	0' - 6"	0' - 10"	2' - 9"	0' - 10"	
6' - 0"	3' - 2"	0' - 2"	1' - 6"	0' - 7"	1' - 0''	3' - 0"	0' - 10"	
7' - 0"	4' - 0"	0' - 6"	1' - 9"	0' - 9"	1' - 2"	3' - 6"	1' - 0"	
8' - 0"	4' - 8"	0' - 8"	2' - 0"	0' - 10"	1' - 4"	4' - 0"	1' - 2"	
9' - 0"	5' - 6"	1' - 0"	2' - 3"	1' - 0"	1' - 6"	4' - 6"	1' - 4"	
10' - 0"	6' - 4"	1' - 4"	2' - 6"	1' - 1"	1' - 8"	5' - 0"	1' - 6"	
11' - 0"	7' - 3"	1' - 9"	2' - 9"	1' - 3"	1' - 10"	5' - 6"	1' - 8"	
			WA	ALL DESIGN CRI	TERIA			
BEARING	SLOPE TOP	SLOPE BOT	ACTIVE PRESSURE	PASSIVE PRESSURE	COEFFICIENT OF FRICTION	SURCHARGE		
<b>Q</b> <sub>a</sub>	β	$\beta_1$	Фа	Фр		q		
1500 psf	14.3 deg	14.3 deg	30 deg	30 deg	0.3	0 psf	]	

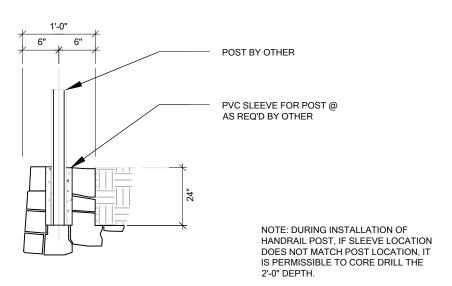
RW1/1 MASONRY WALL W/ 6V:1H BATTER



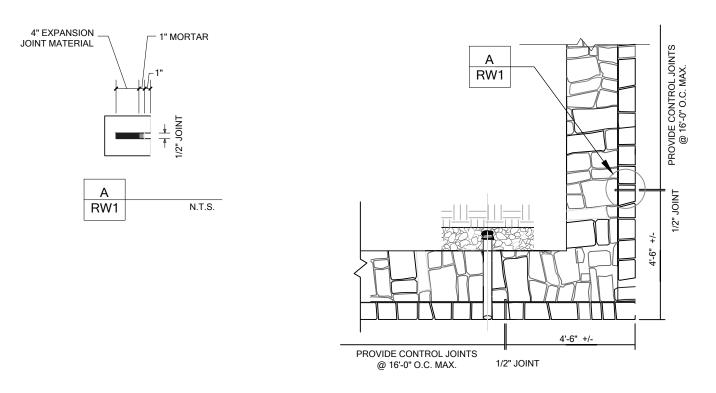
DRAINAGE POCKET WALLS 18" TO 48"

NOT REQUIRED FOR WALLS 18" AND UNDER

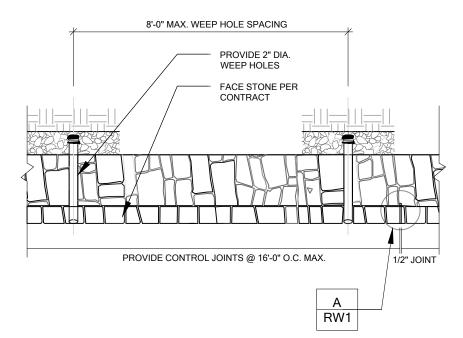
N.T.S.



WALL SECTION W/ FENCE POST



TYPICAL PLAN VIEW AT CORNER



RW1/4 TYPICAL PLAN VIEW AT BASE 1. Design Building Code

International Building Code, 2015 Edition

2. Geotechnical Report

Firm: FARGO Project No: G21-3745 Dated: June 23, 2021

3. Geotechnical Criteria

Bearing on Stiff Natural Undisturbed Clayey Soils or Compacted and Tested Soils Allowable Bearing: 1500 psf, minimum bearing on properly placed and compacted soils or in soils

Coefficient of Friction between Base of Wall and Soil - 0.30 for soil

Backfill Soil Parameters:

Backfill Soil - Natural Clays or Fill Soils

Base Soil Parameters:

Soil at Toe - natural, Undisturbed or Fill Soils

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: 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.

PO BOX 566
ALEDO, TX 76008
PH: 469.834.7446

Ш S 1

TAINING MASONRY

ROCKWALL,

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2

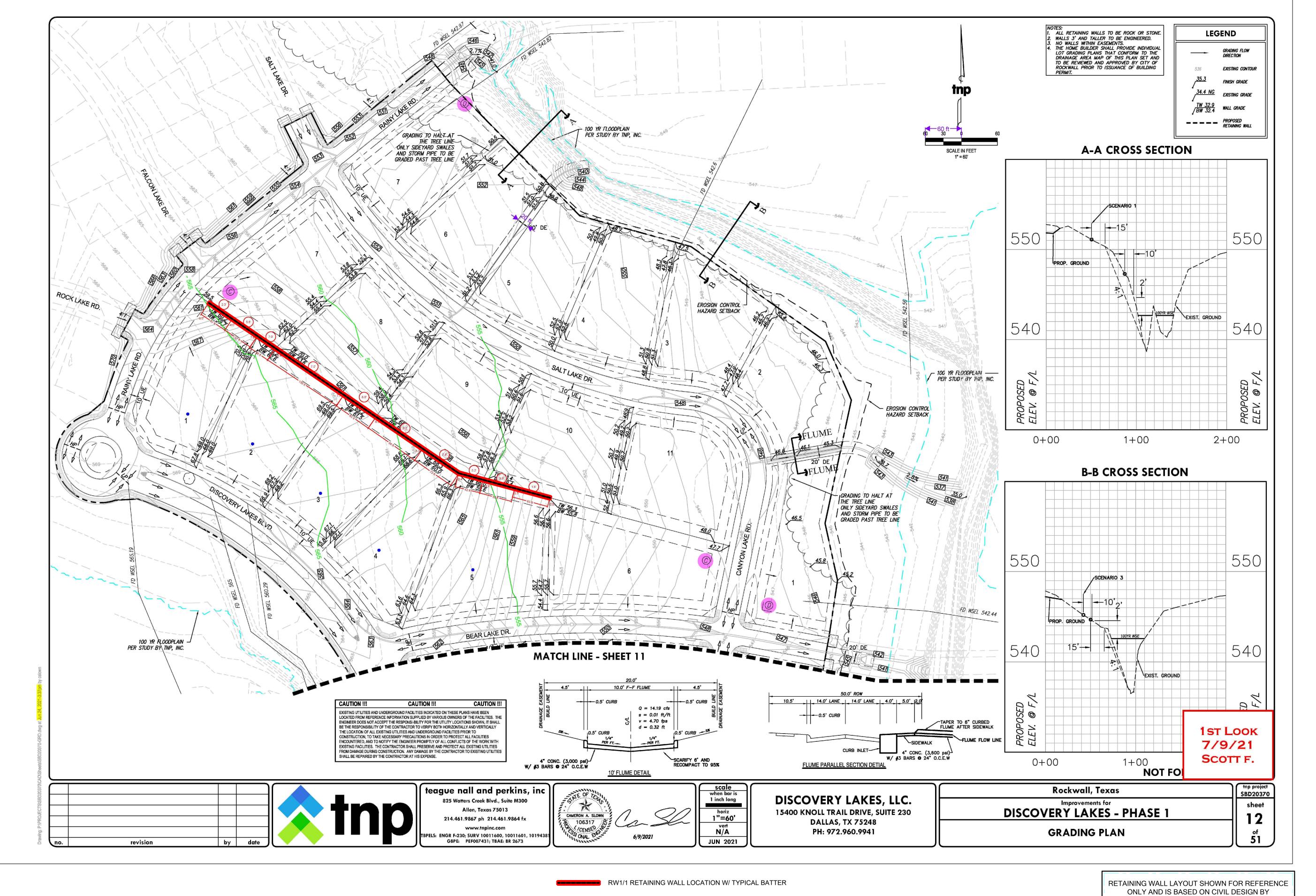
No. Date REVISIONS DB: MAM CHK'D: MAM APP'D: MAM



**RETAINING WALL** DETAILS AND NOTES

RW080521-08.05.2021 Last Revision 08.05.2021

RW1

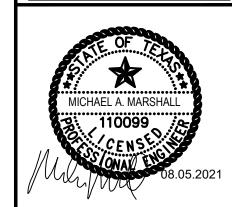


DISCOVERY LAKES - PHASE 1

No. Date Item

REVISIONS

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



RETAINING WALL DETAILS AND NOTES

 Project No.
 RW080521-1

 Date
 08.05.2021

 Last Revision
 08.05.2021

RW2

TEAGUE NALL AND PERKINS, INC.

RW2/1