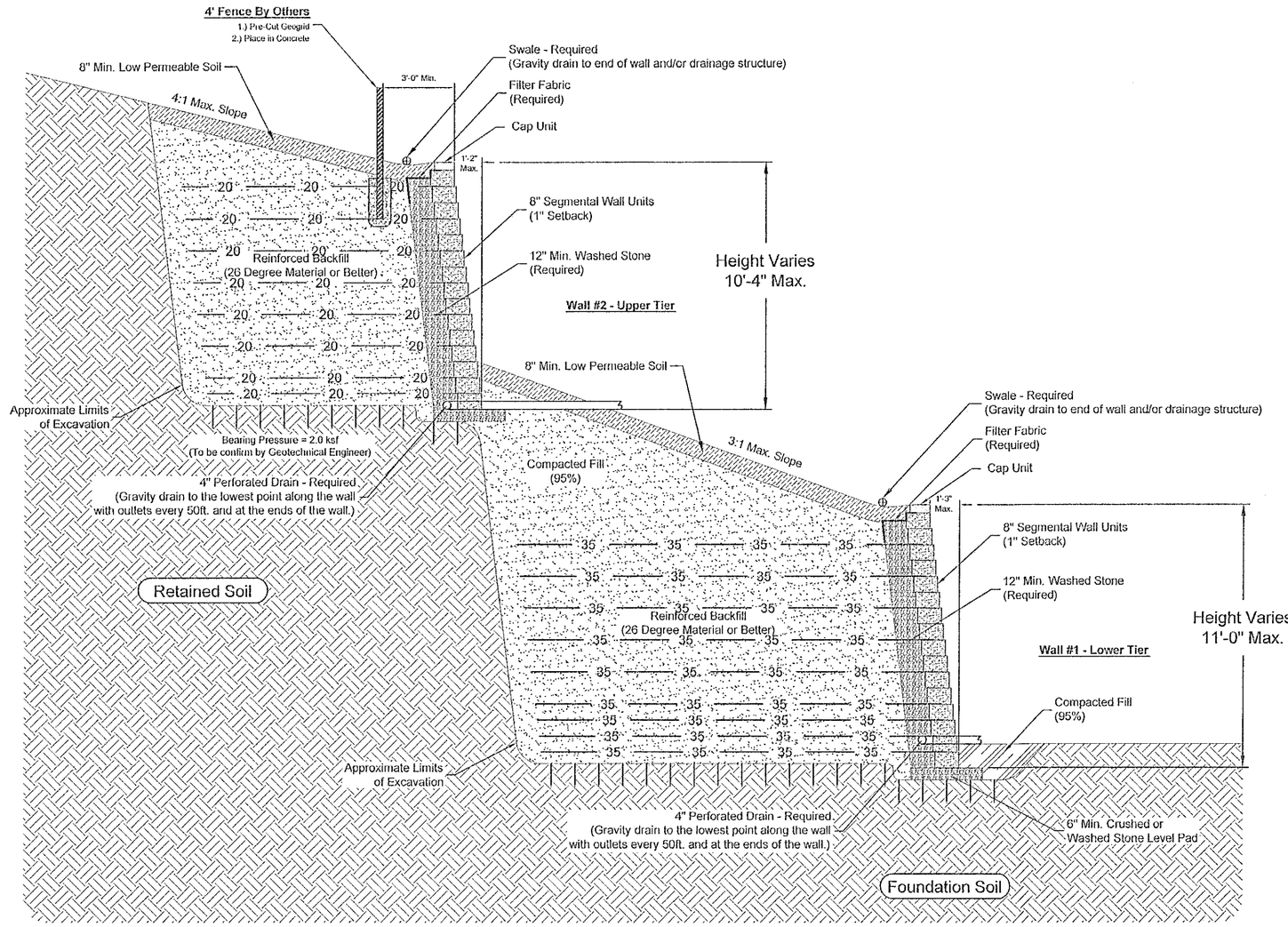
Cross-Section A-A



Reinforced Tier Wall Section

8" Segmental Units - 1" Setback

Lower Tier Retaining Wall #1 Criteria Table

Wall Height Range (Max. to Min.)	Geogrid Length & Type	Min. Washed Stone Required Behind Wall	Min. Bearing Pressure Required	Min. Embedment Required	Notes / Remarks
11'-0" thru 8'-4"	All Layers = 17.0' Synteen 35 or Equiv.	12 inches	3.0 ksf	12 inches	See profile for geogrid placement.
8'-4" thru 6'-4"	All Layers = 12.5' Synteen 35 or Equiv.	12 inches	2.0 ksf	8 inches	See profile for geogrid placement.
6'-4" thru 4'-4"	All Layers = 9.5' Synteen 35 or Equiv.	12 inches	2.0 ksf	8 inches	See profile for geogrid placement.
4'-4" thru 2'-4"	All Layers = 6.5' Synteen 35 or Equiv.	12 inches	2.0 ksf	8 inches	See profile for geogrid placement.
2'-4" or Less	No Geogrid Gravity Wall	12 inches	2.0 ksf	6 inches	Gravity Wall

Upper Tier Retaining Wall #2 Criteria Table

Wall Height Range (Max. to Min.)	Geogrid Length & Type	Min. Washed Stone Required Behind Wall	Min. Bearing Pressure Required	Min. Embedment Required	Notes / Remarks
10'-4" thru 8'-4"	All Layers = 11.0' Synteen 20 or Equiv.	12 inches	2.0 ksf	12 inches	See profile for geogrid placement.
8'-4" thru 6'-4"	All Layers = 7.0' Synteen 20 or Equiv.	12 inches	2.0 ksf	12 inches	See profile for geogrid placement.
6'-4" thru 4'-4"	All Layers = 5.5' Synteen 20 or Equiv.	12 inches	2.0 ksf	12 inches	See profile for geogrid placement.
4'-4" thru 2'-4"	All Layers = 4.0' Synteen 20 or Equiv.	12 inches	2.0 ksf	8 inches	See profile for geogrid placement.
2'-4" or Less	No Geogrid Gravity Wall	12 inches	2.0 ksf	8 inches	Gravity Wall

04-SP-159
APPROVED
Town of Cary
Approved by _____ Date _____
Planning _____ Date _____
Engineering _____ Date _____

- Engineers seal does not include construction means, methods, techniques, sequences, procedures or safety precaution.
- Any deviations or discrepancies on plans are to be brought to the immediate attention of Tyndall Engineering & Design. Failure to do so will void Tyndall Engineering & Design liability.
- Please review these documents carefully. Tyndall Engineering & Design will interpret that all dimensions, recommendations, etc. presented in these documents were deemed acceptable once construction begins.

NORTH CAROLINA PROFESSIONAL SEAL 024899 ENGINEER PRENTICE A. TYNDALL JR.

Project #:
04DW-123 R1
Date:
11/08/04
Drawn/Design by:
DVW
DVW, Checked by:
PAT
Scale:
NTS

Project Name and Address:
Battery @ Highhouse
Highhouse Road
Cary, NC
Wake County

Tyndall Engineering & Design, Pa
100 Professional Court, Suite 105
Garner, North Carolina 27529
Office: (919) 773-1200
Fax: (919) 773-9658
E-mail: tyndall_@bellsouth.net

Client's Name and Address:
Forman Landscaping
5121 Neal Road
Suite 103
Durham, NC 27705
Office: (919) 384-0131
Fax: (919) 384-8423

REVISIONS

No.	Date:	Remarks
1		
2		
3		

Sheet Name:
Structural Cross-Section
Sheet #:
S-6 of 8