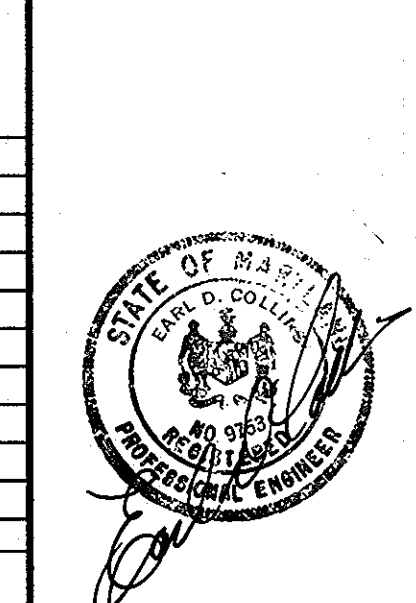


**FISHER, COLLINS & CARTER, INC.**  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
 ELKTON CITY, MARYLAND 21922  
 410.466.2955

DATE	DESCRIPTION REVISION BLOCK
8/8/09	Retaining Wall Lot 12



**ENGINEER'S CERTIFICATE**  
 "I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."  
 Signature of Engineer: *Earl D. Collins*  
 EARL D. COLLINS  
 8-26-02  
 Date

**DEVELOPER'S CERTIFICATE**  
 "I/We certify that all development and construction will be done according to this plan for sediment and erosion control and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District."  
 Signature of Developer: *Brian Boy*  
 BRIAN BOY  
 Date

Reviewed for HOWARD SCD and meets Technical Requirements.  
 Signature: *Jim Mays*  
 Date: 9/8/02  
 U.S.D. - Natural Resources Conservation Service  
 This development plan approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT and meets Technical Requirements.  
 Signature: *John R. Powers*  
 Date: 9/19/02  
 HOWARD SCD

**OWNER/DEVELOPER**  
 CORNERSTONE HOLDINGS, L.L.C.  
 9691 NORFOLK AVE.  
 LAUREL, MARYLAND 20723

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Signature: *Chris Sanders*  
 Chief, Division of Land Development  
 Date: 10/1/02

Signature: *David Robinson*  
 Chief, Development Planning Division  
 Date: 9/20/02

Signature: *John P. Batts*  
 Director - Department of Planning and Zoning  
 Date: 10/2/02

PROJECT	SECTION/AREA	LOT NO.			
ROCKBURN VIEW	2	9 THRU 13			
DEED	BLOCK NO.	ZONE	TAX/ZONE	ELEC. DIST.	CENSUS TR.
19460 19487	4	R-20	37	FIRST	6011.01
WATER CODE	SEWER CODE				
D04	2153800				

**SEDIMENT AND EROSION CONTROL PLAN**  
 LOT 12

**SINGLE FAMILY DETACHED**  
**ROCKBURN VIEW**  
**SECTION TWO**  
**LOTS 9 THRU 13**

TAX MAP No.: 37 PARCEL No.: 329 GRID 4  
 FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
 SCALE: 1" = 30' DATE: JANUARY, 2002

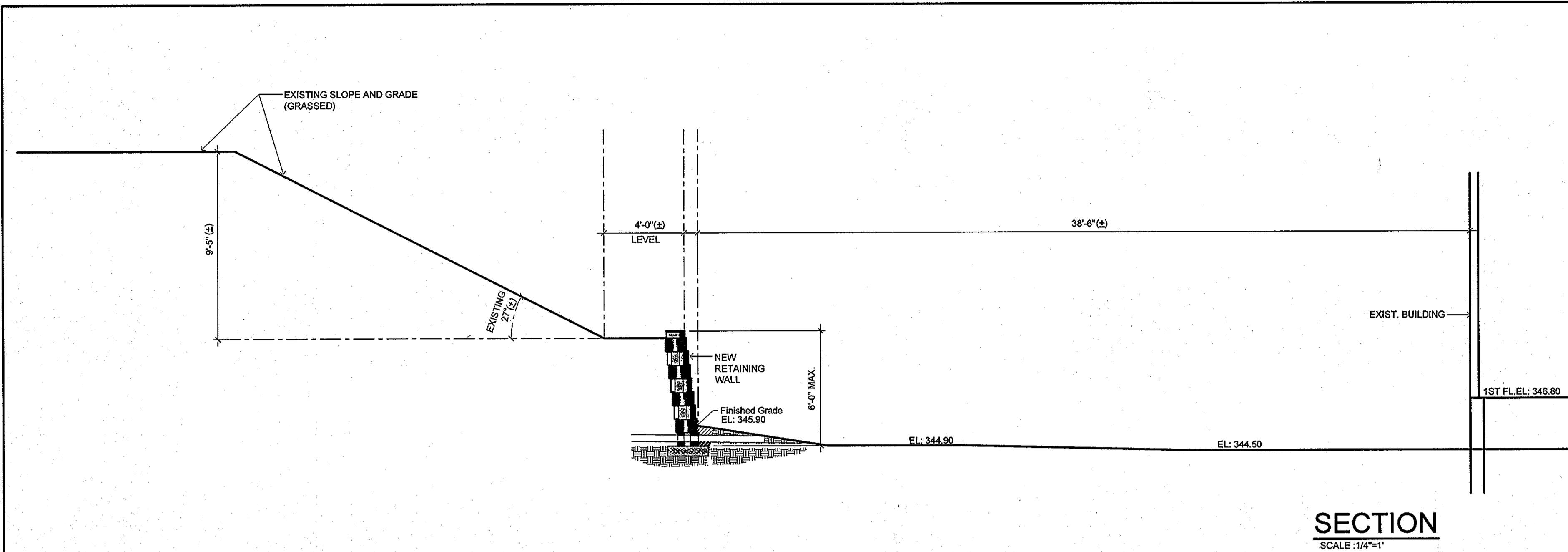
SHEET 3 OF 4

**SDP 02-109**

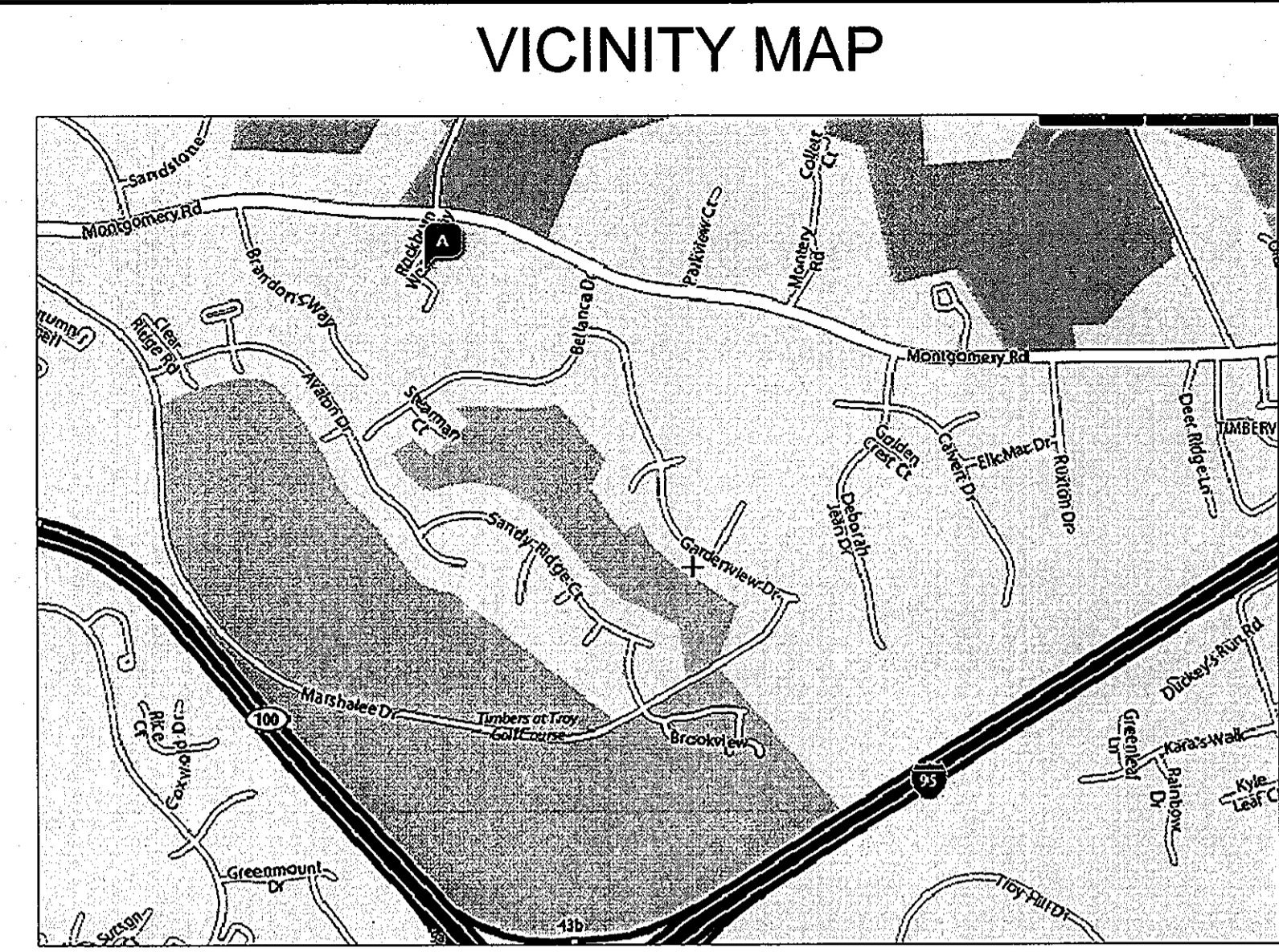




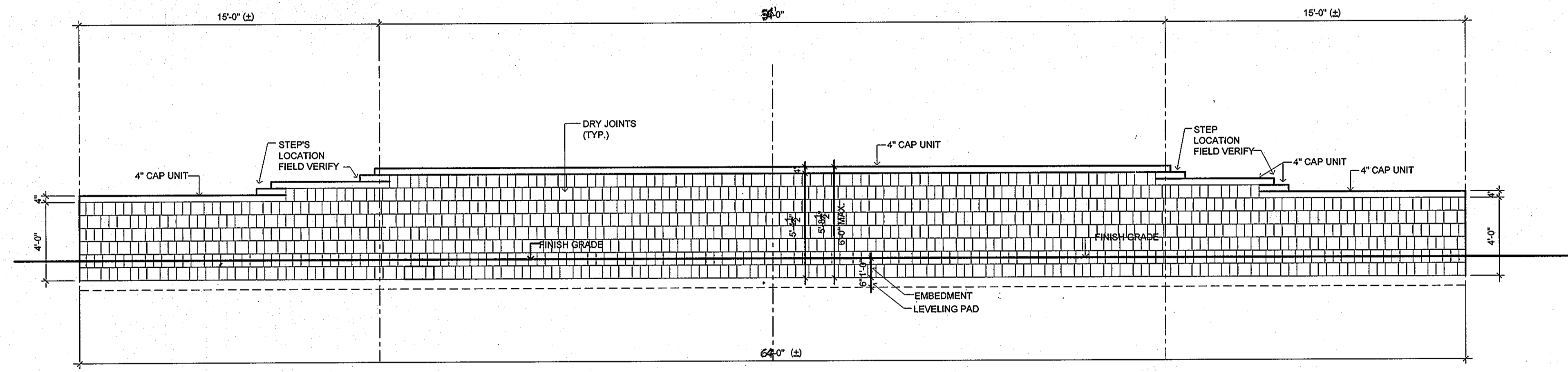




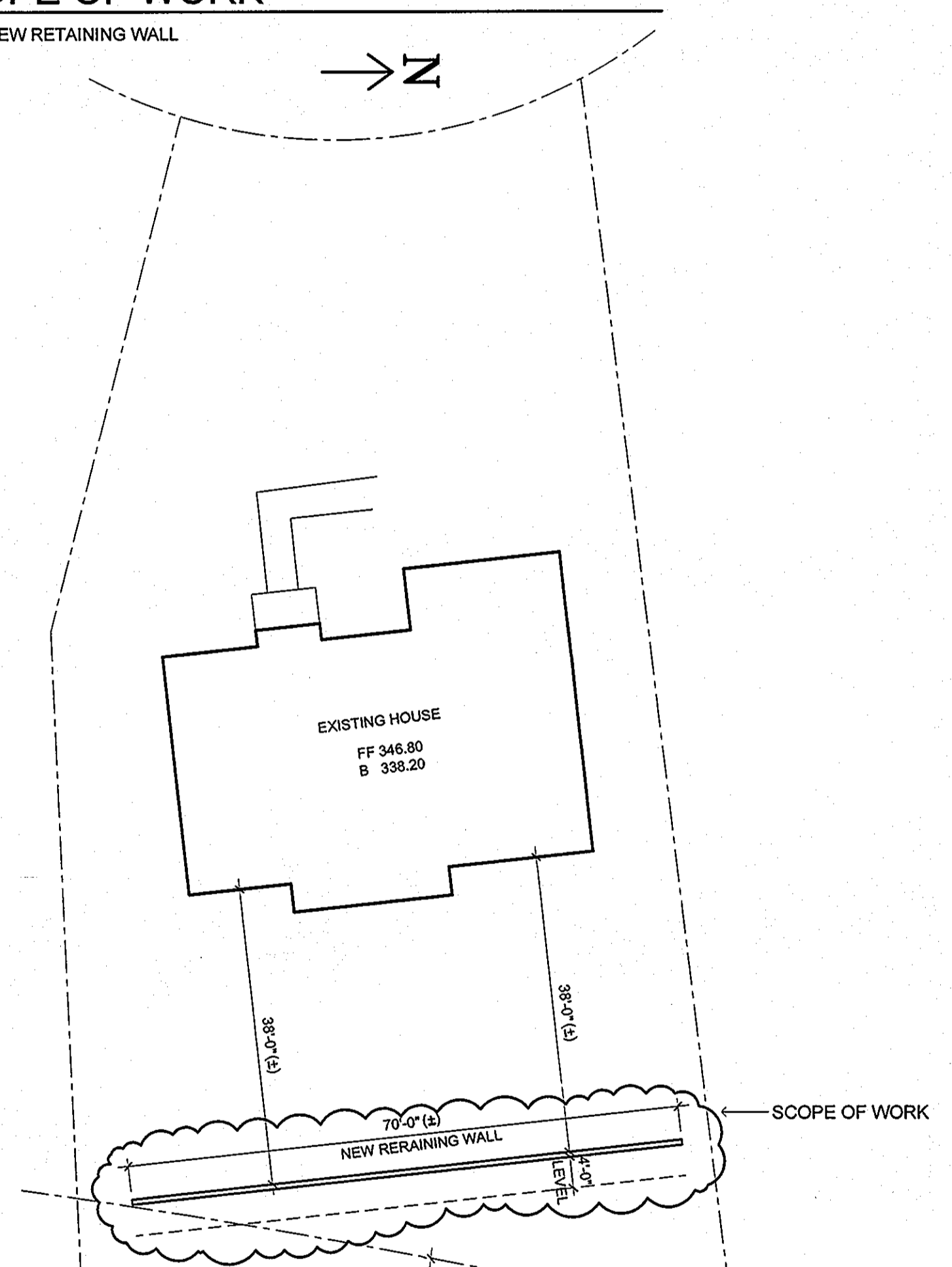
**SECTION**  
SCALE: 1/4"=1'



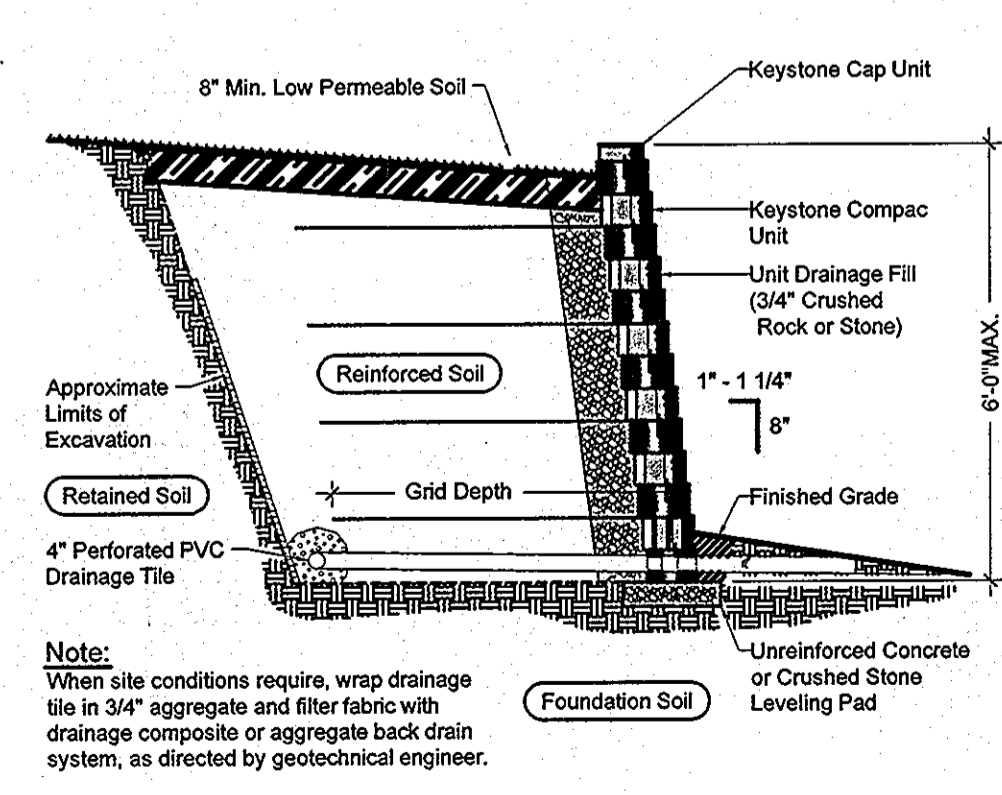
**SCOPE OF WORK**  
BUILD NEW RETAINING WALL



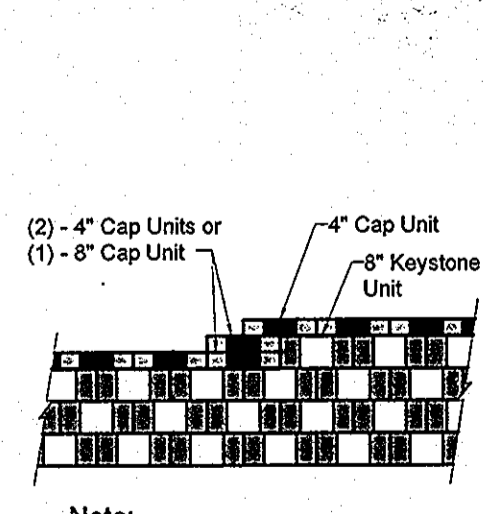
**WALL ELEVATION**  
SCALE: 1/4"=1'



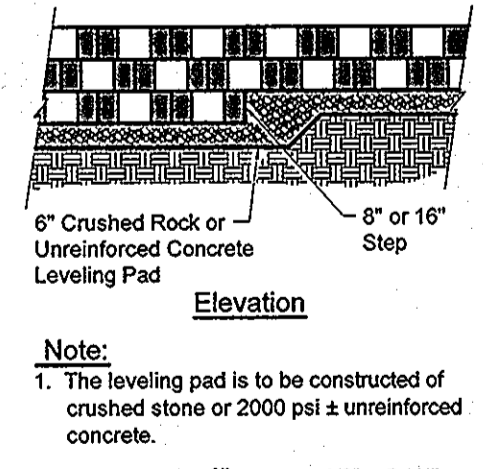
**SITE PLAN**  
SCALE: 1/16"=1'



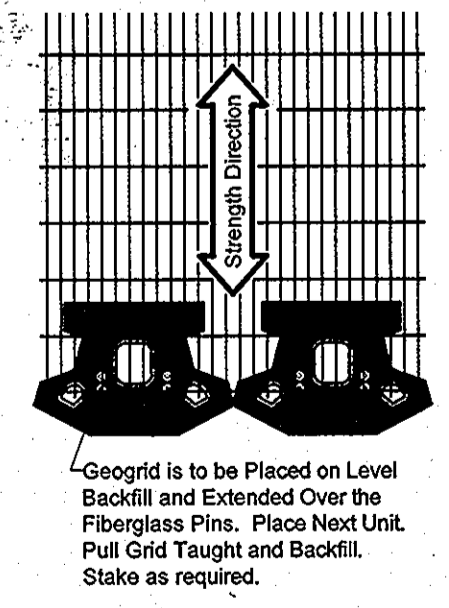
**Typical Reinforced Wall Section (DRY JOINT)**  
Compac Unit - 1" Setback



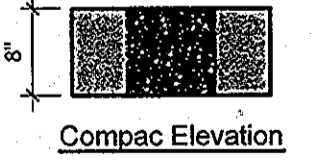
**Top of Wall Steps**



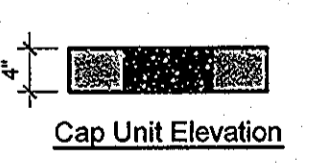
**Leveling Pad Detail**



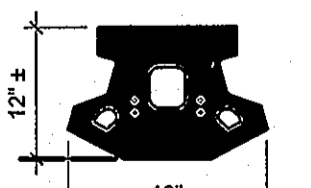
**Grid & Pin Connection**



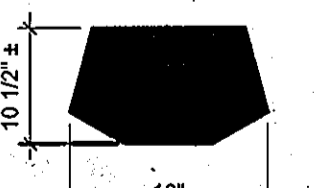
**Compac Elevation**



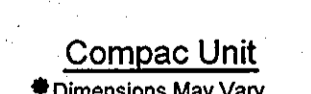
**Cap Unit Elevation**



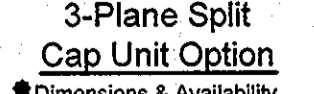
**Compac Plan**



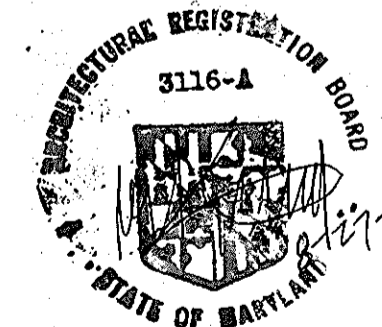
**Cap Unit Plan**



**Compac Unit**



**3-Plane Split Cap Unit Option**



**PROFESSIONAL CERTIFICATION:**  
I hereby CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME AND THAT I AM A LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 3116-A EXPIRATION DATE: 05-15-2011  
M. K. KWON

Reviewed for HOWARD SCD and meets Technical Requirements.  
U.S. D.A.-Natural Resources Conservation Service  
This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.  
Howard SCD  
Date: *[Signature]*

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
Chief, Division of Land Development: *[Signature]* Date: 9/20/09  
Chief, Department Engineering Division: *[Signature]* Date: 9/17/09  
Director - Department for Planning and Zoning: *[Signature]* Date: 10/1/09

Rockburn View Section 2, Lot 12  
5913 Stream Valley Lane

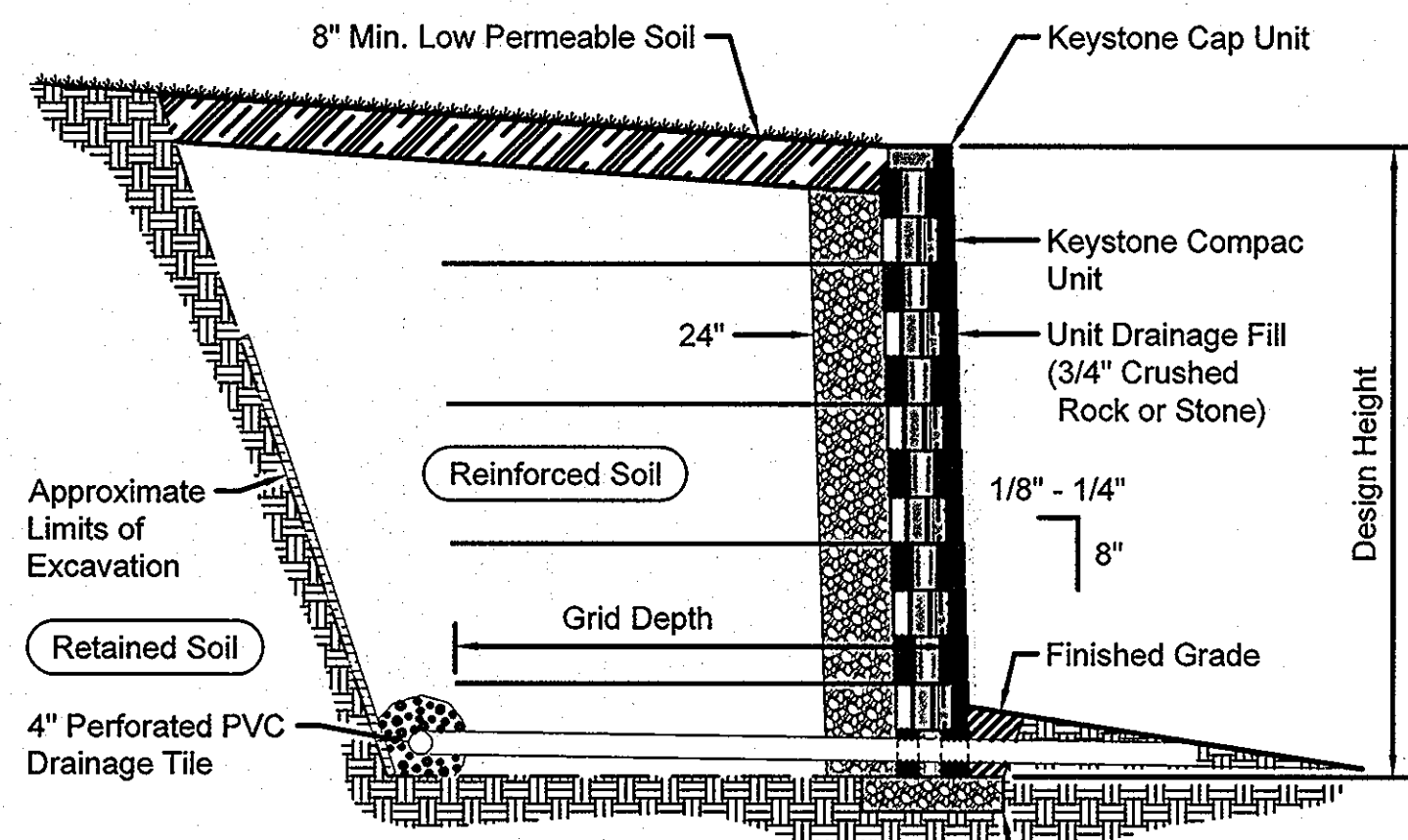
PROJECT	SECTION/AREA	LOT NO.
ROCKBURN VIEW	2	12
PLAT	BLOCK NO.	ZONE
15480	4	R-20
15487		TAX/ZONE
		37
WATER CODE	ELEC. DIST.	CENSUS TR.
D04	FIRST	6011.01
	SEWER CODE	
	2153800	

**5913 STREAMVALLEY RETAINING WALL**  
OWNER: WAN H. KIM  
410-488-3645  
207 SHAW AVE. 20904  
SILVER SPRING, MD.  
TEL: (301) 622-0322

**MKK ARCHITECTS**  
SHEET TITLE:  
**SITE PLAN, TYP. WALL SECTION, DETAILS & WALL ELEVATION**  
DRAWING NO.  
**4A OF 4**

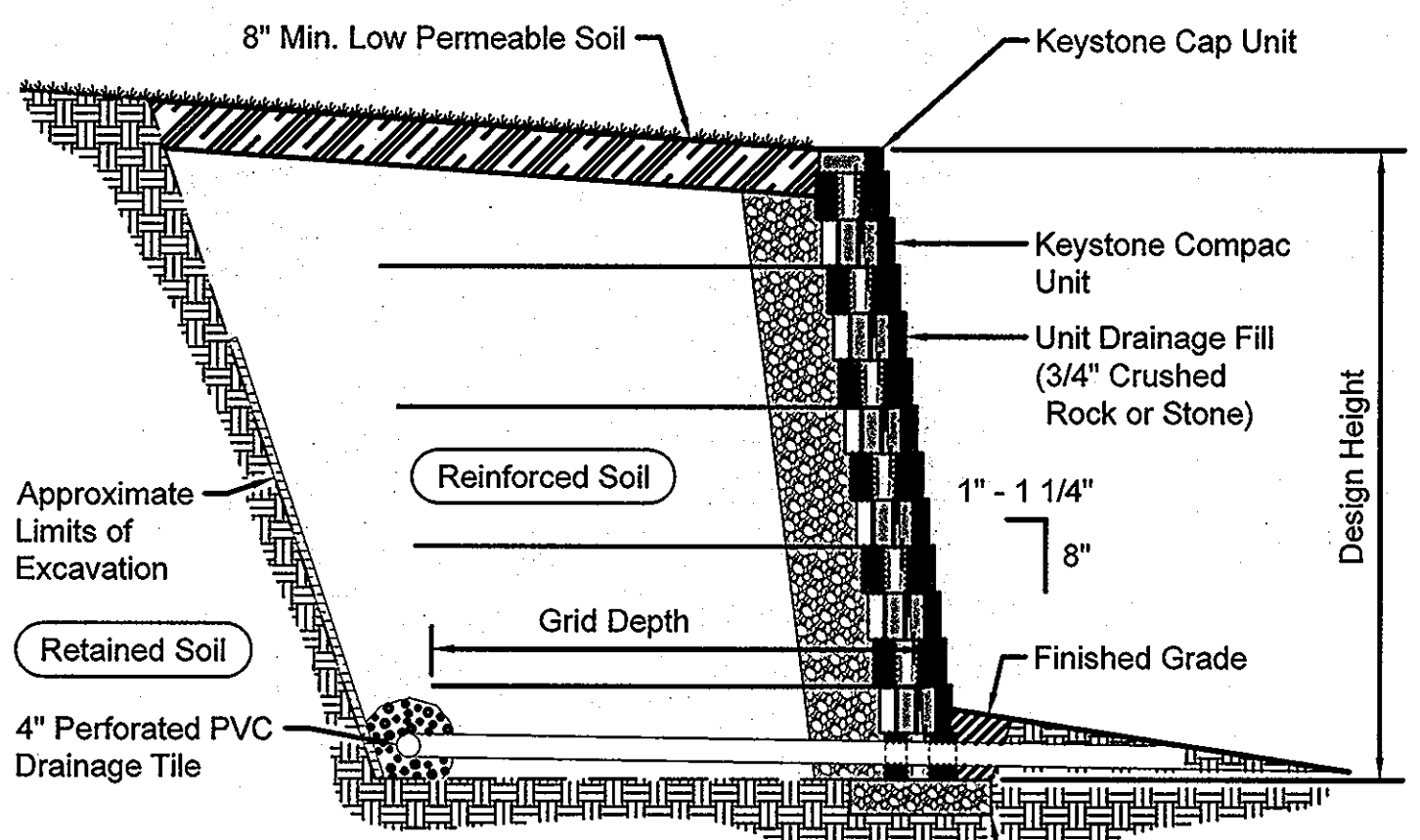
SDP-02-109





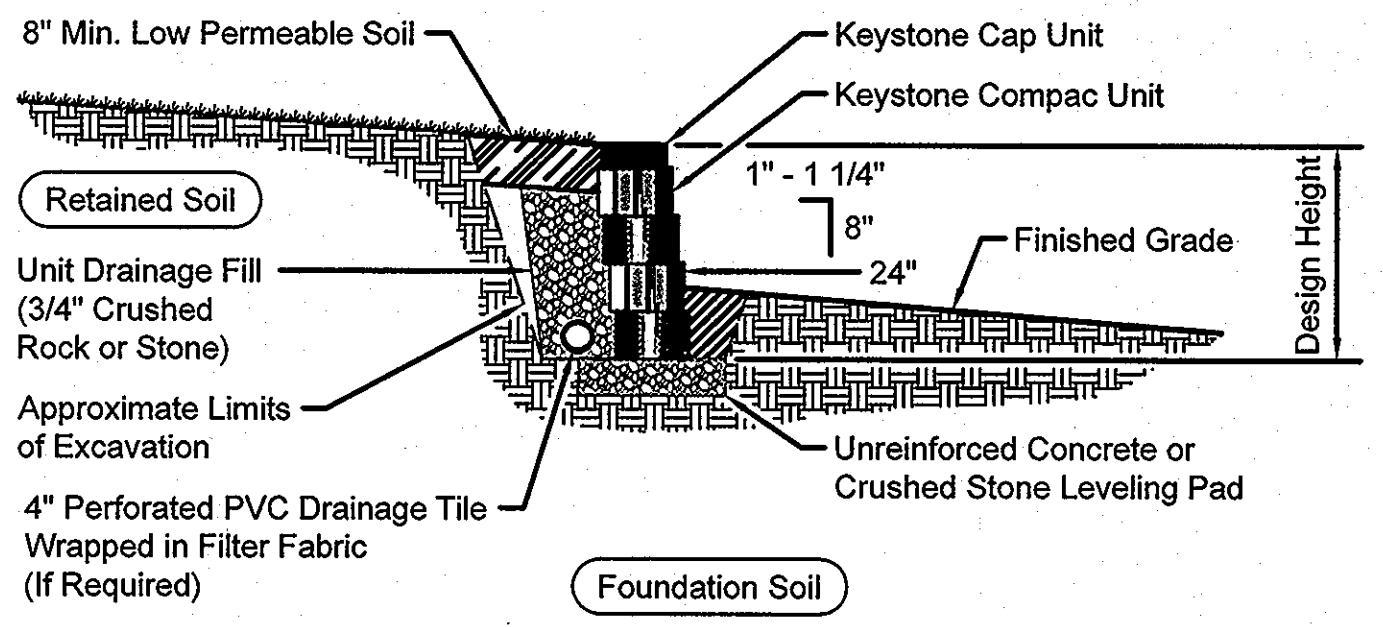
**Note:**  
When site conditions require, wrap drainage tile in 3/4\"/>

**Typical Reinforced Wall Section**  
Compac Unit - Near Vertical Setback



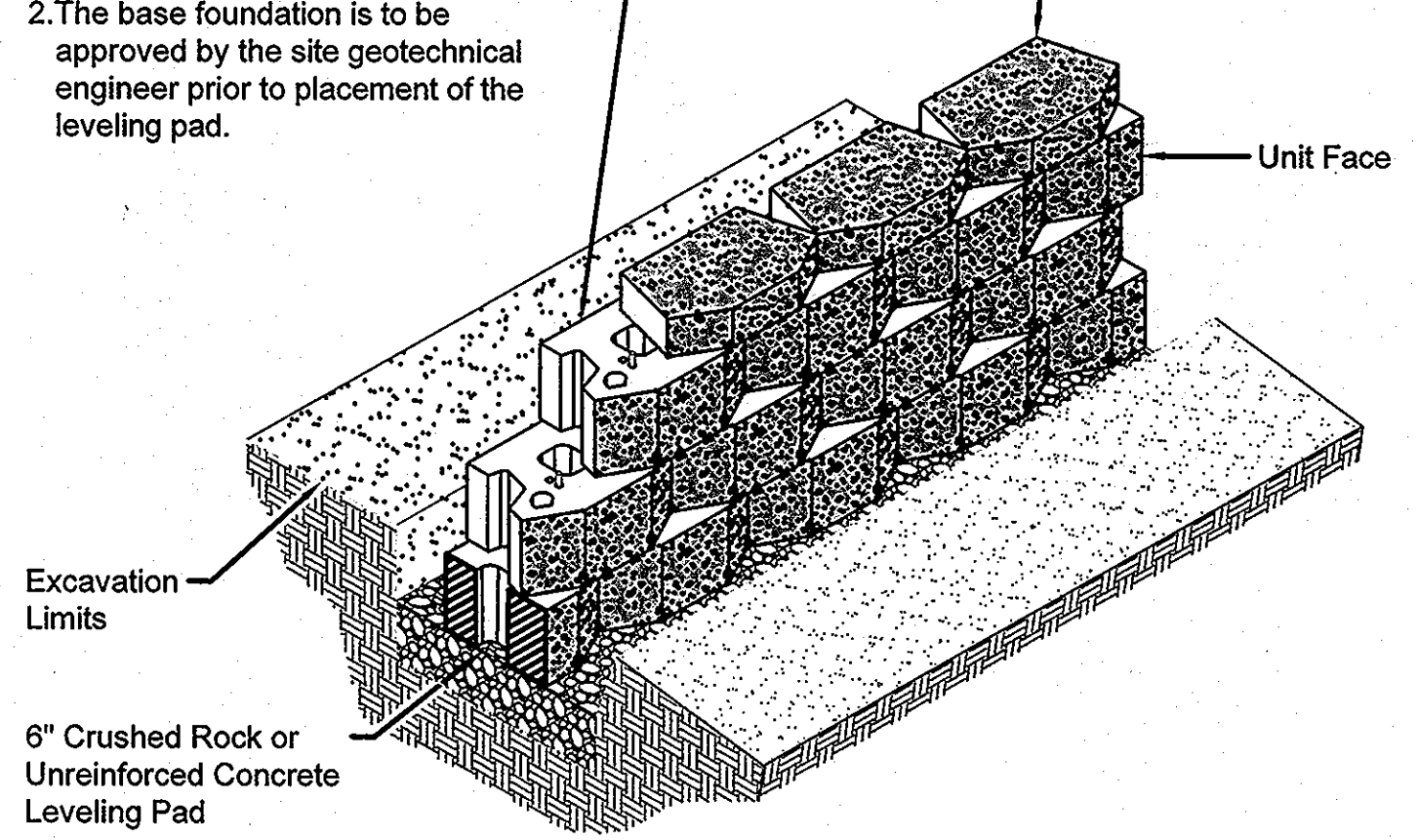
**Note:**  
When site conditions require, wrap drainage tile in 3/4\"/>

**Typical Reinforced Wall Section**  
Compac Unit - 1\"/>

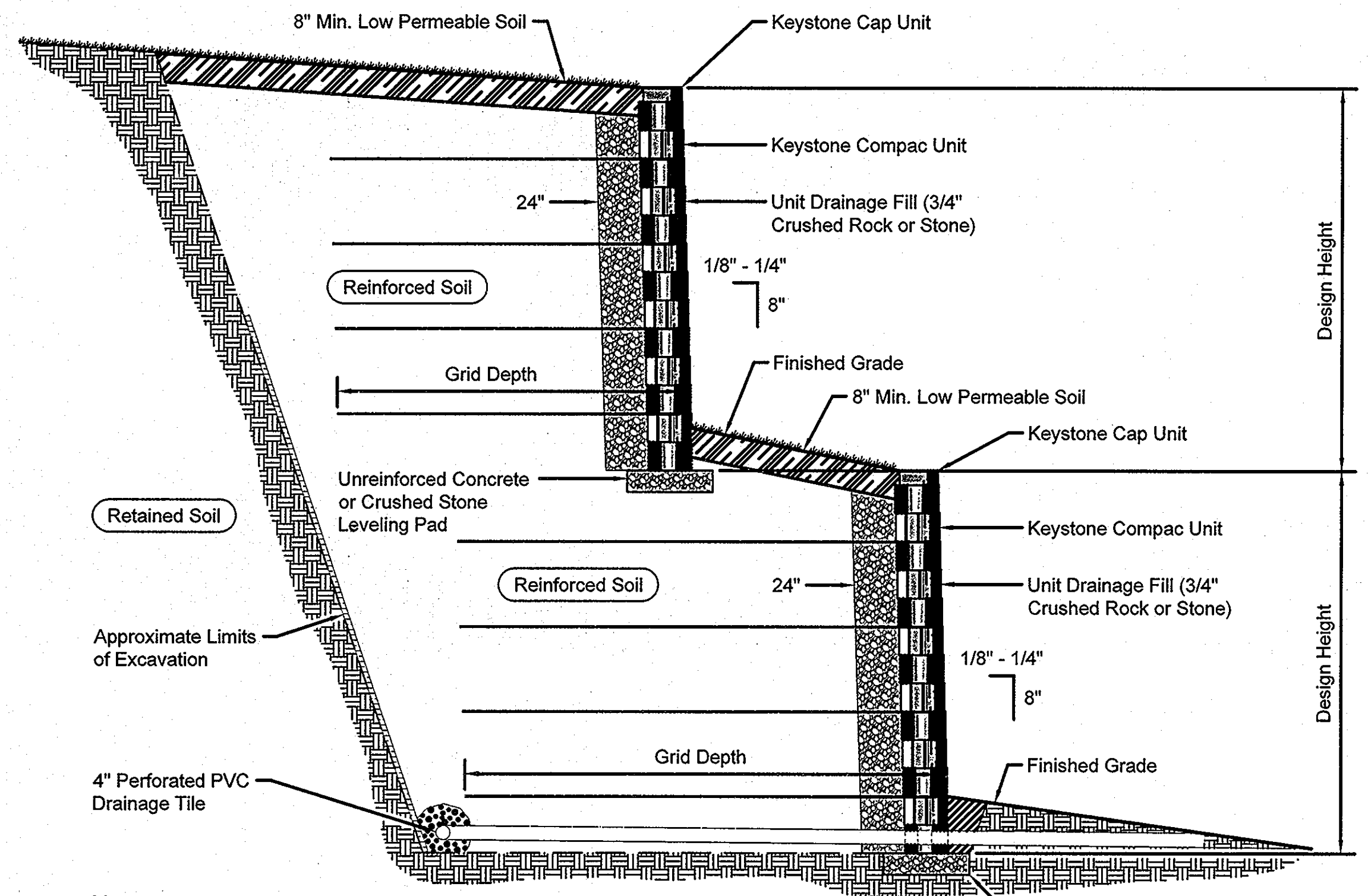


**Typical Gravity Wall Section**  
Compac Unit - 1\"/>

**Base Leveling Pad Notes:**  
1. The leveling pad is to be constructed of crushed stone or 2,000 psi: unreinforced concrete  
2. The base foundation is to be approved by the site geotechnical engineer prior to placement of the leveling pad.

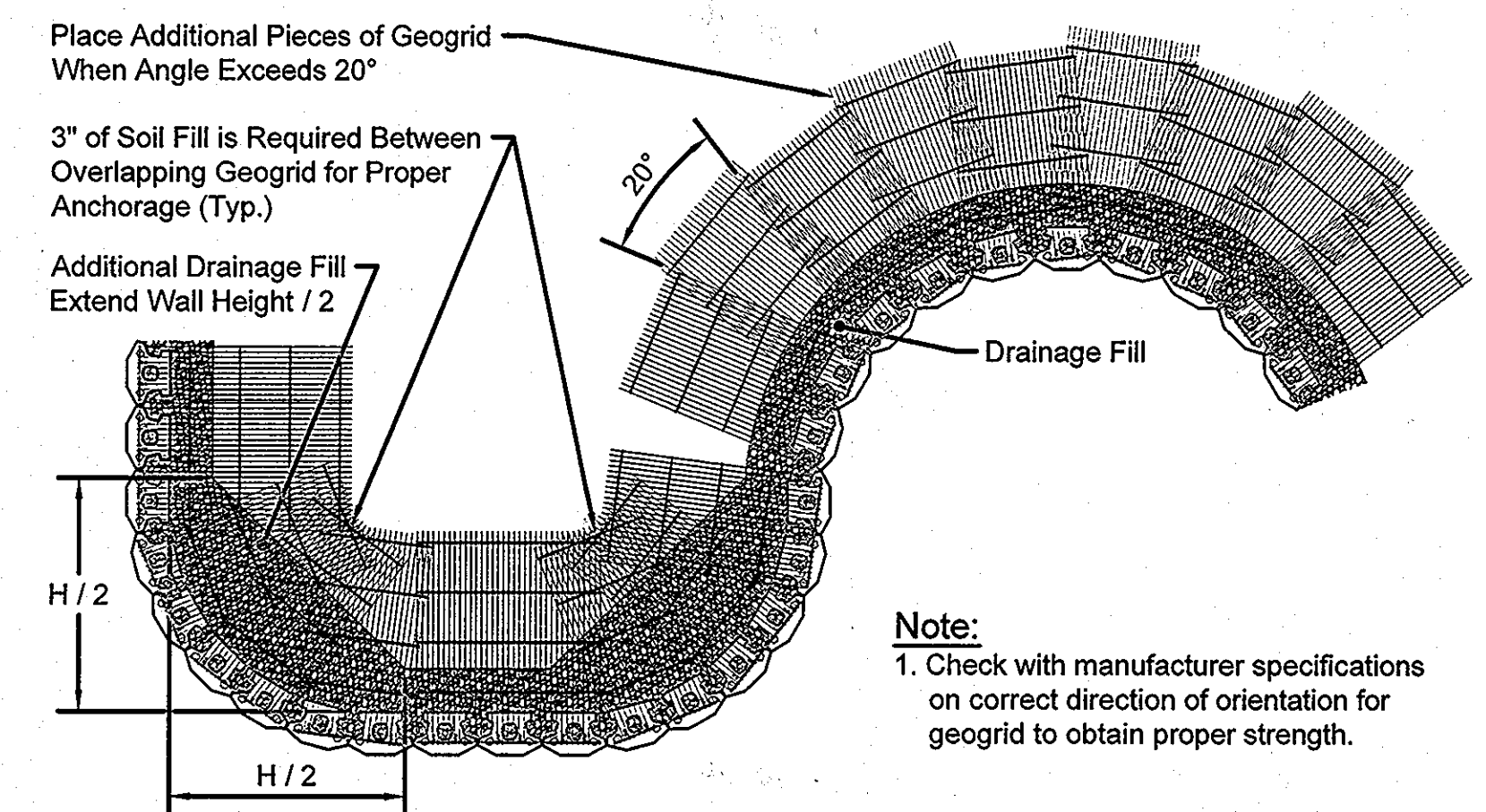


**Compac Unit/Base Pad Isometric Section View**  
\*Dimensions & Weight May Vary by Region

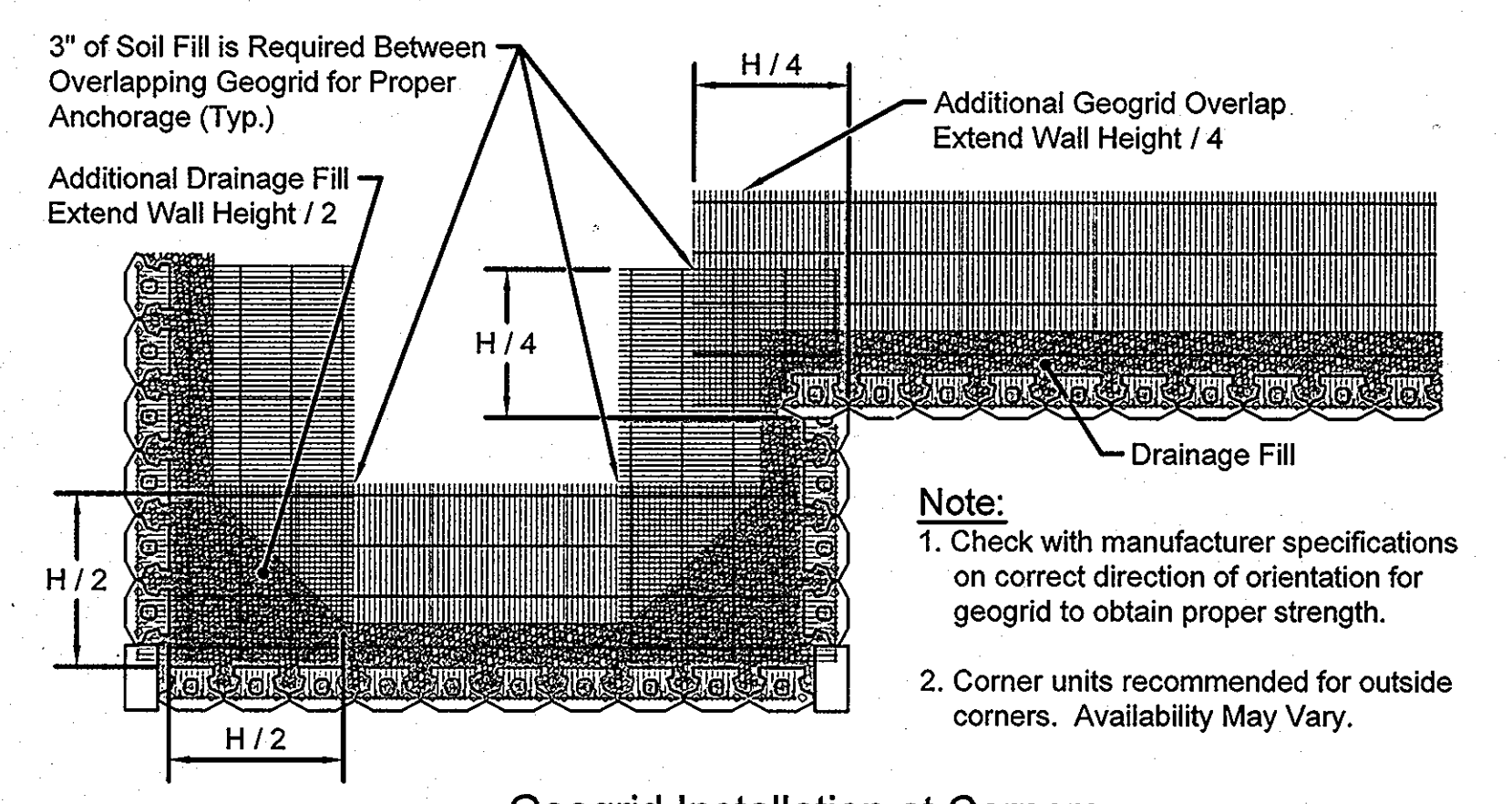


**Note:**  
When site conditions require, wrap drainage tile in 3/4\"/>

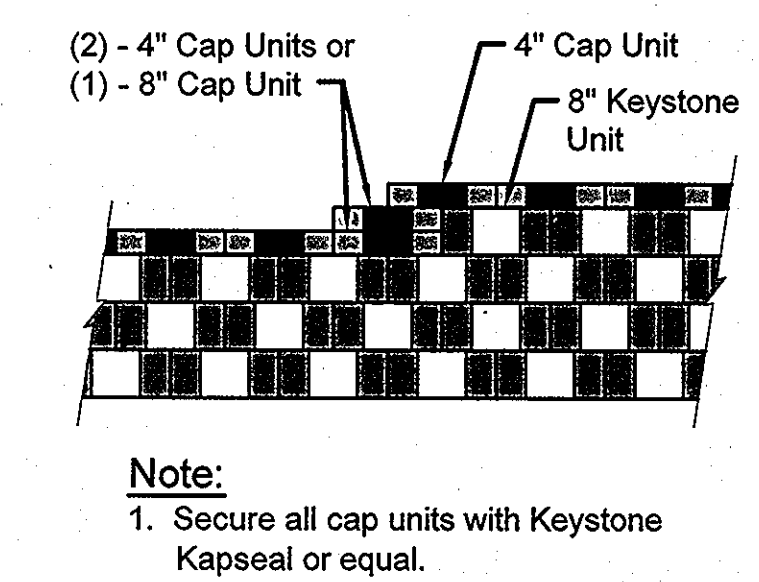
**Typical Reinforced Tiered Wall Section**  
Compac Unit - Near Vertical Setback



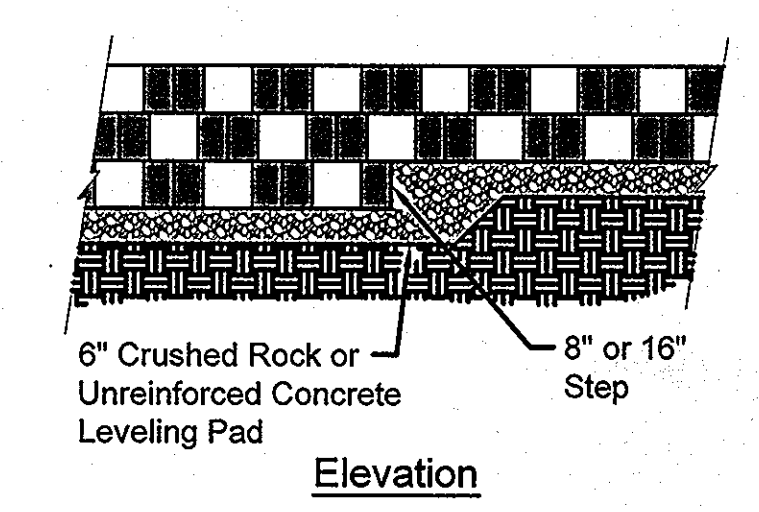
**Geogrid Installation on Curves**



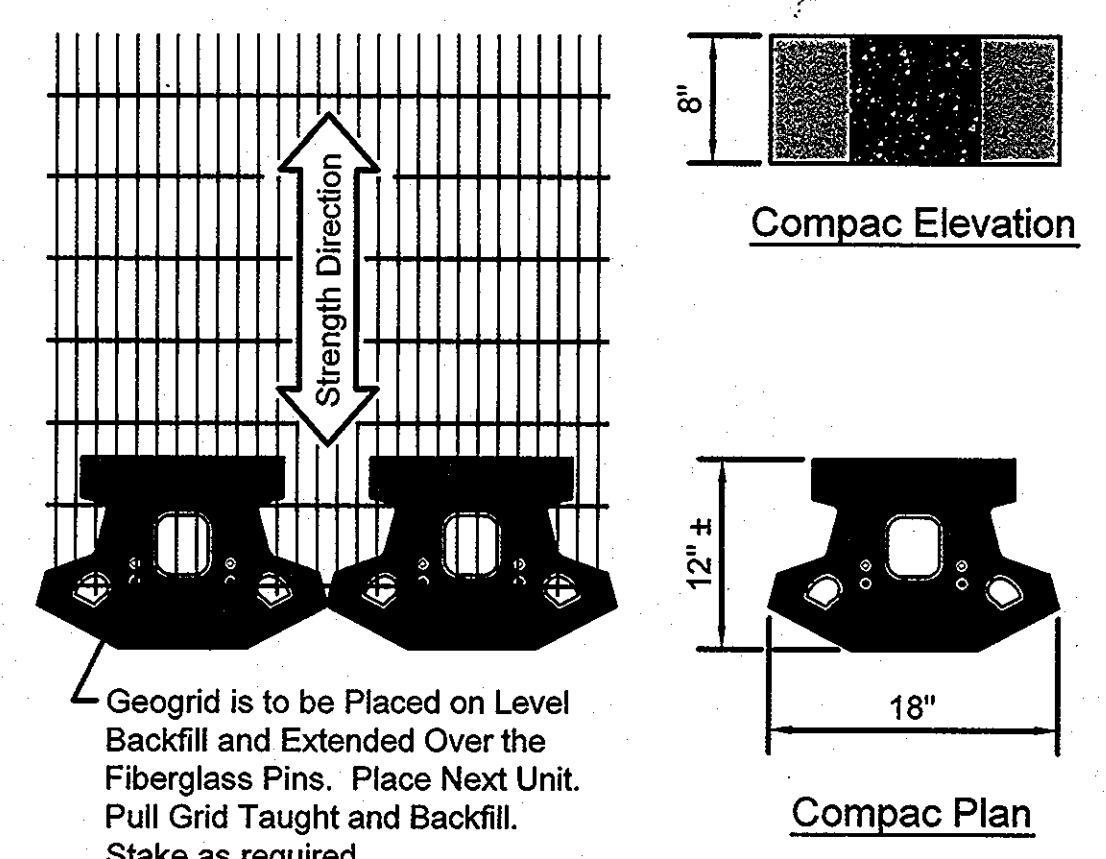
**Geogrid Installation at Corners**



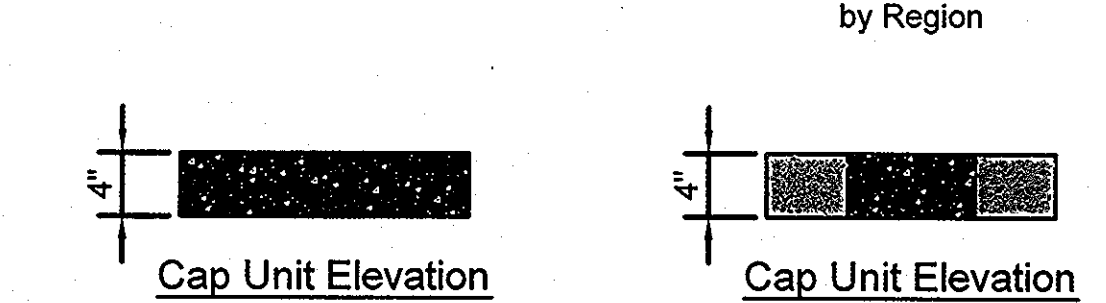
**Top of Wall Steps**



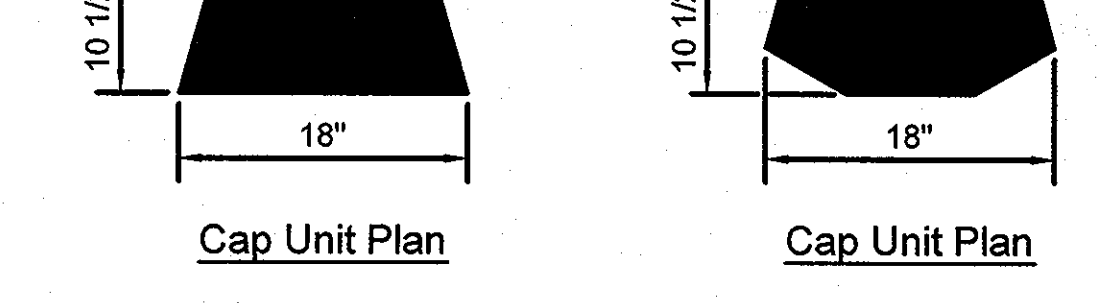
**Leveling Pad Detail**



**Compac Elevation**  
**Compac Plan**



**Grid & Pin Connection**  
**Cap Unit Elevation**



**Cap Unit Plan**  
**Universal Cap Unit Option**

**3-Plane Split Cap Unit Option**  
\*Dimensions & Availability Will Vary by Region

Copyright 2003 Keystone Retaining Wall Systems  
Design is for internal stability of the KEYSTONE wall structure only. External stability, including but not limited to foundation and slope stability is the responsibility of the Owner. The design is based on the assumption that the materials within the retained mass, methods of construction, and quality of materials conform to KEYSTONE's specification for this project.  
  
This drawing is being furnished for this specific project only. Any party accepting this document does so in confidence and agrees that it shall not be duplicated in whole or in part, nor disclosed to others without the consent of Keystone Retaining Wall Systems, Inc.

No.	Date	Revision	By

**KEYSTONE**  
RETAINING WALL SYSTEMS  
A CONTECH COMPANY  
4444 W 78th Street  
Minneapolis, MN 55435  
952-897-1040

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
Chief, Division of Land Development  
Date: 7/24/09  
Chief, Department Engineering Division  
Date: 9/1/09  
Director - Department for Planning and Zoning  
Date: 10/1/09

PROJECT	SECTION/AREA	LOT NO.
ROCKBURN VIEW	2	12
PLAT	BLOCK NO.	ZONE
15469	4	R-20
ELEC. DIST.	TAXZONE	CENSUS TR.
37	FIRST	6011.01
SEWER CODE	DC#	2153890

Designed By: RKM  
Checked By: CDM  
Scale: No Scale

**Compac Unit - Tri Plane Face Details**  
Project: Rockburn View Section 2, Lot 12  
Keystone Retaining Wall Systems  
Typical Wall Details  
Drawing No: 4B OF 4  
OWNER: WAN H. KIM  
410-498-3045  
5913 STREASVALLEY LN  
ELKRIOR, MD 21075