

Mechanically Stabilized Earth Wall
Plans and Specifications
for

Starbucks
1360 Walton Boulevard
Rochester Hills, Michigan 48309
G2 Project No. 210816
January 4, 2022

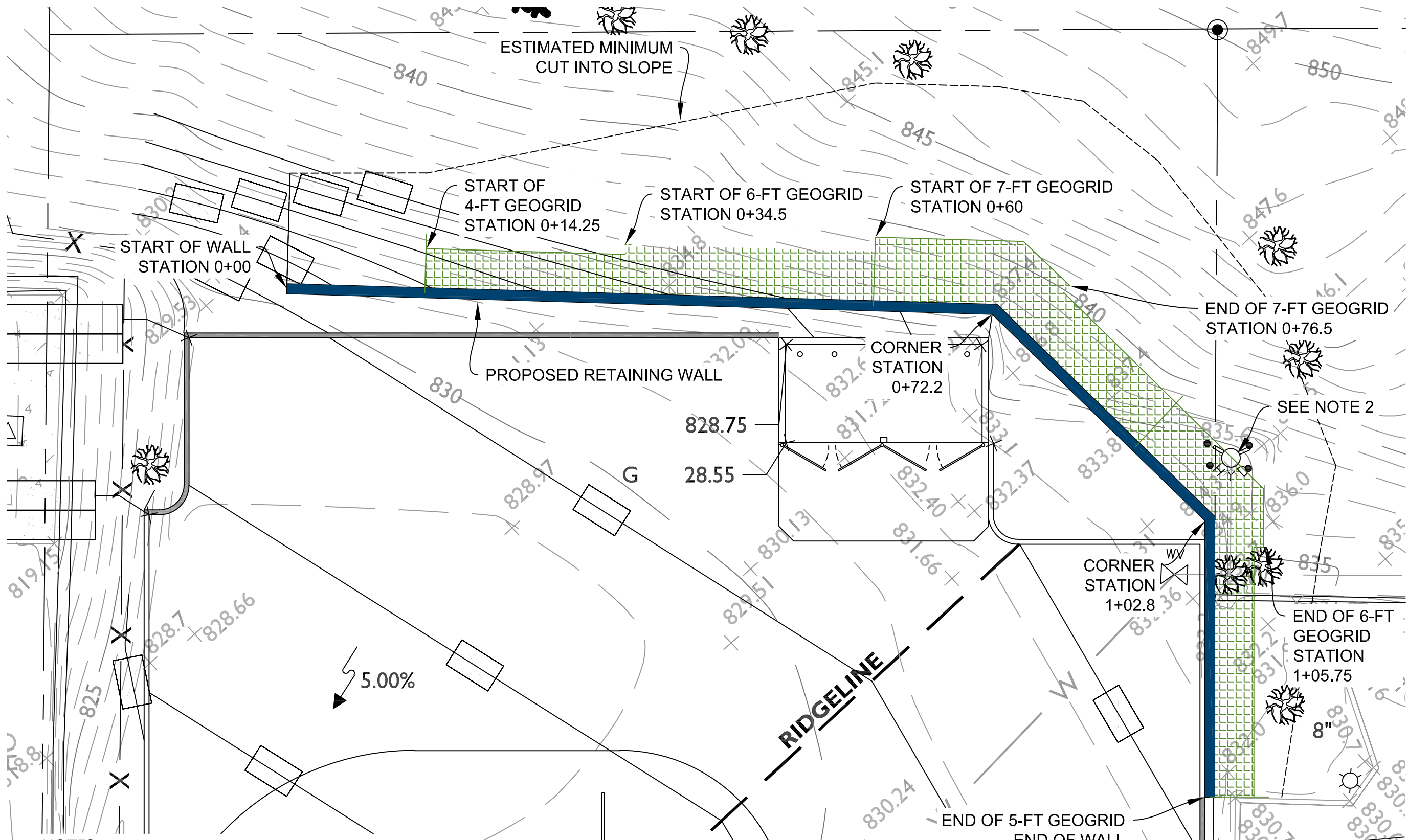
P-1 PLAN VIEW
E-1 ELEVATION VIEW
S-1 and S-2 DETAILS
SP-1 SPECIFICATIONS



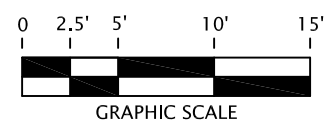
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1866 Woodslee Street
Troy, Michigan 48083
P (248) 680-0400
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- NOTES**
- TEMPORARY CONSTRUCTION EASEMENT WILL BE REQUIRED ALONG EAST PROPERTY LINE
 - EXISTING HYDRANT TO BE RELOCATED BY OTHERS
 - FRONT OF WALL MUST BE BACKFILLED PRIOR TO PLACING FILL ABOVE TOP OF WALL ELEVATION



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PROJECT NO.: 210816
DATE: 1/4/22
DRAWN BY: ETT
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DATE:				
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REVISION DESCRIPTION				
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No.:	!			

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PROJECT NAME:
STARBUCKS

LOCATION:
1360 WALTON BOULEVARD
ROCHESTER HILLS, MICHIGAN

SHEET TITLE
PLAN VIEW

SHEET NO.
P-1

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CONSULTING GROUP

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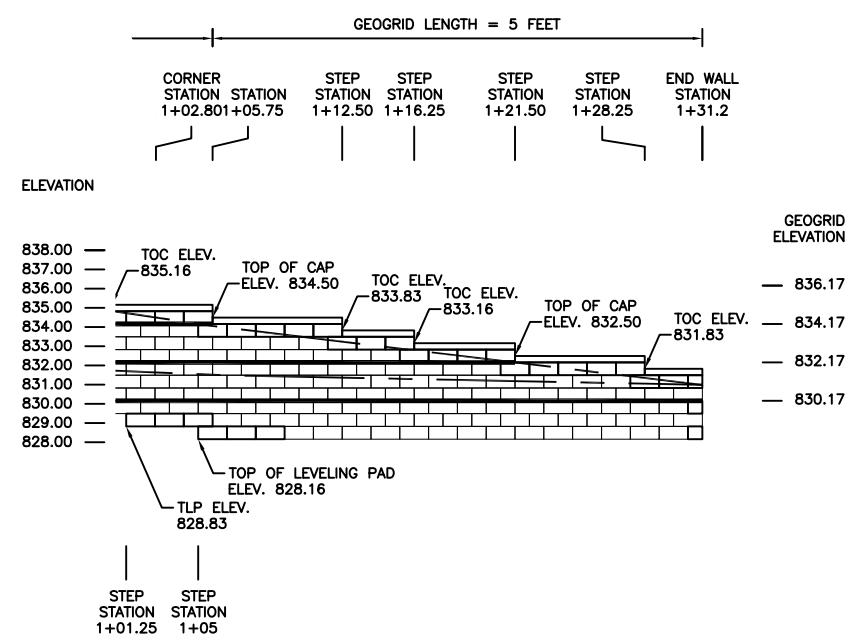
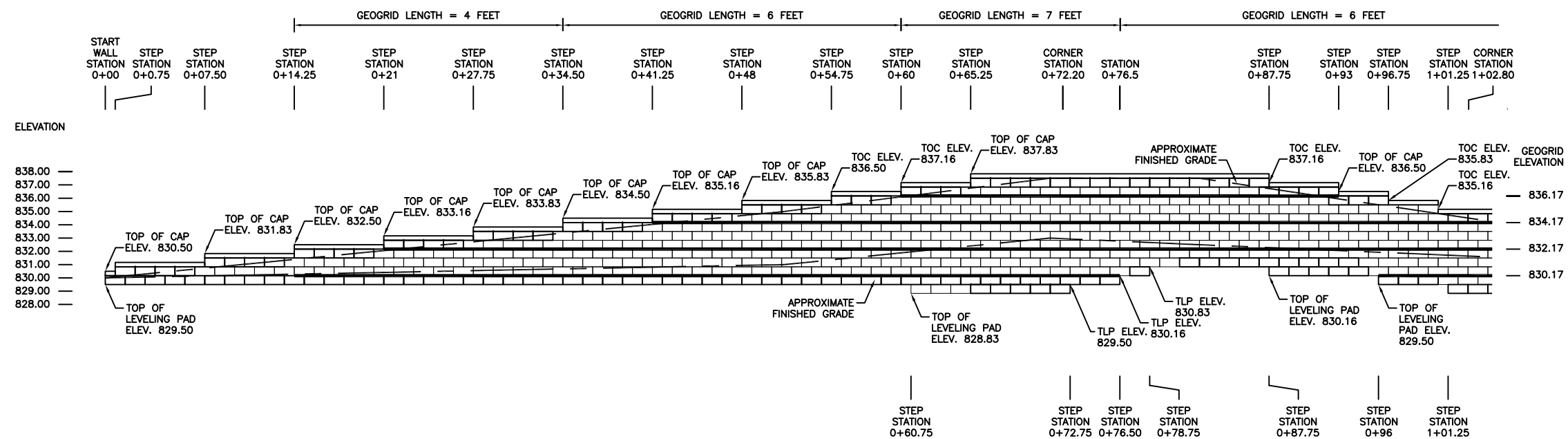
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SHEET TITLE
ELEVATION VIEW

SHEET NO.
E-1

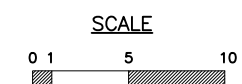


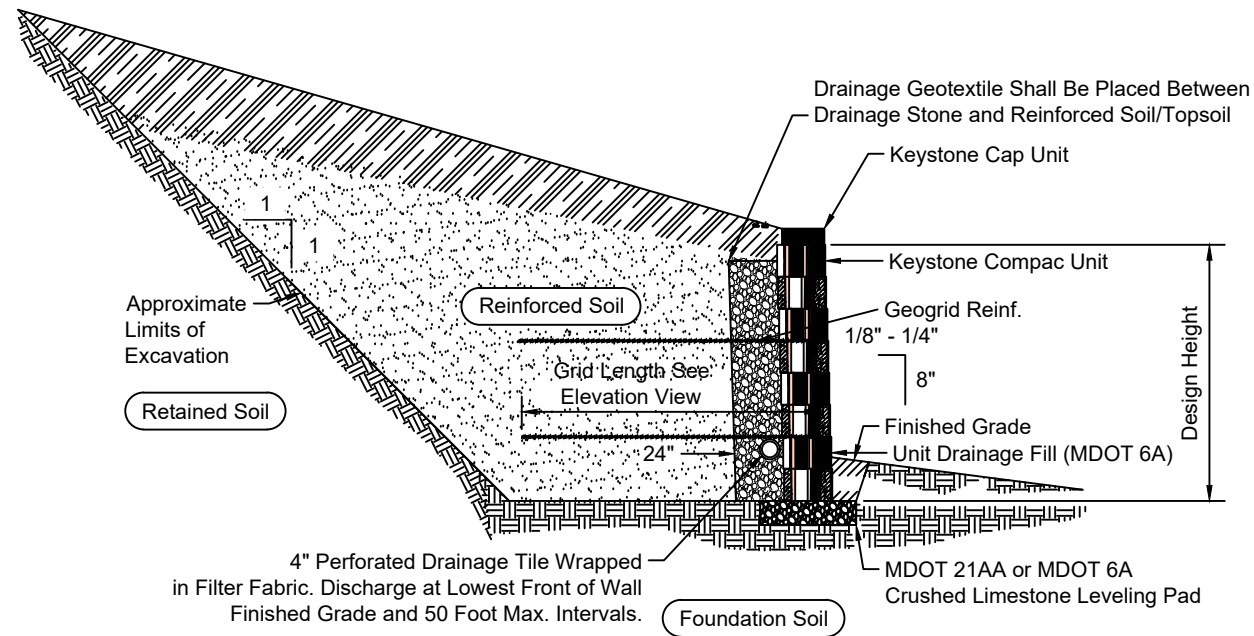
GENERAL NOTES

1. BOTTOM OF WALL ELEVATION SHOWN ON THESE PLANS (TOP OF LEVELING PAD) WILL VARY FROM THAT PRESENTED ON GRADING PLAN DUE TO REQUIRED WALL EMBEDMENT.
2. VERIFY DIMENSIONS, EXISTING STRUCTURES, AND UTILITIES IN FIELD PRIOR TO CONSTRUCTION.
3. ELEVATIONS ARE APPROXIMATE AND MAY VARY DUE TO SHIMMING.
4. RETAINING WALL SHALL BEAR ON NATIVE SOIL WITH A MINIMUM BEARING CAPACITY OF 1,500 PSF.
5. BOTTOM OF WALL EMBEDMENT REFLECTS FUTURE EXCAVATION FOR PAVEMENT CONSTRUCTION.
6. CONTACT G2 IF CHANGES ARE REQUIRED OR IF FIELD CONDITIONS VARY FROM THOSE PRESENTED HEREIN.

LEGEND

- STRATAGRID 150 GEOGRID
- KEYSTONE COMPAC UNITS



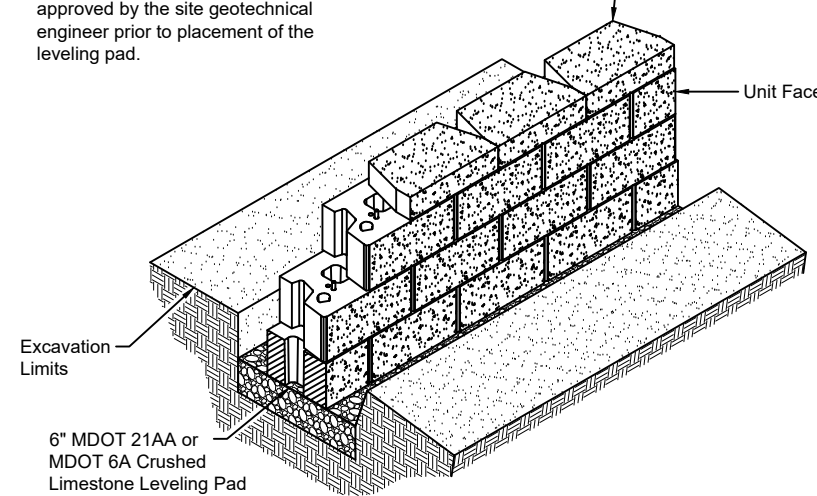


Typical Reinforced Wall Section
Near Vertical Setback

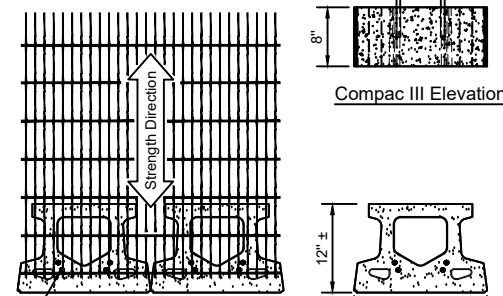
Base Leveling Pad Notes:

1. The leveling pad is to be constructed of MDOT 21AA or MDOT 6A Crushed Limestone
2. The base foundation is to be approved by the site geotechnical engineer prior to placement of the leveling pad.

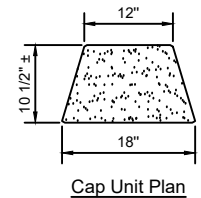
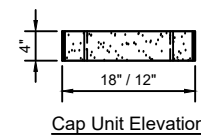
Universal Cap Unit	
Width:	18 1/2"
*Depth:	10 1/2"
Height:	4"
*Weight:	49 lbs



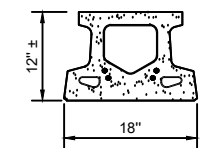
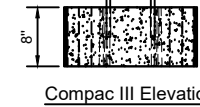
Compac Unit/Base Pad Isometric Section View
*Dimensions & Weight May Vary by Region



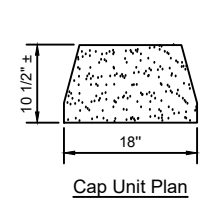
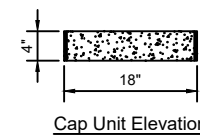
Grid & Pin Connection



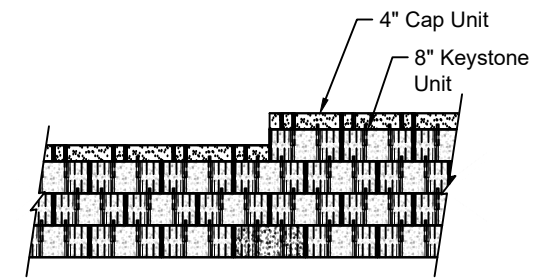
Universal Cap Unit Option
*Dimensions & Availability Will Vary by Region



Compac III Unit
*Dimensions May Vary by Region

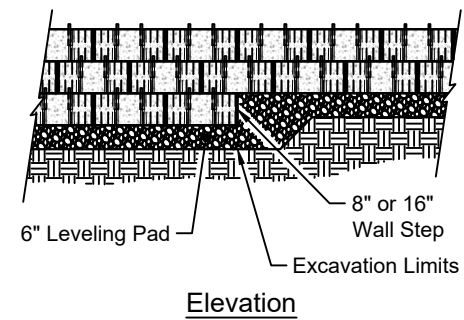


Straight Split Cap Unit Option
*Dimensions & Availability Will Vary by Region

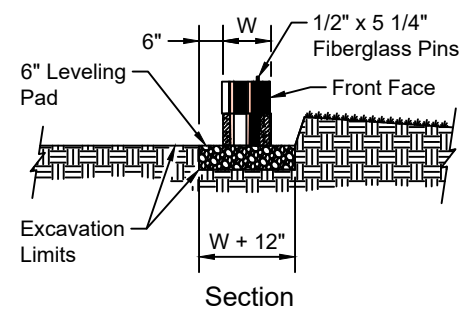


- Note:**
1. Secure all cap units with Keystone Kapseal or equal.

Top of Wall Steps



- Note:**
1. The leveling pad is to be constructed of MDOT 21AA or MDOT 6A Crushed Limestone.
 2. Where wall is installed flush with existing pavement or sidewalk, leveling pad shall extend to front face of wall only.



Leveling Pad Detail



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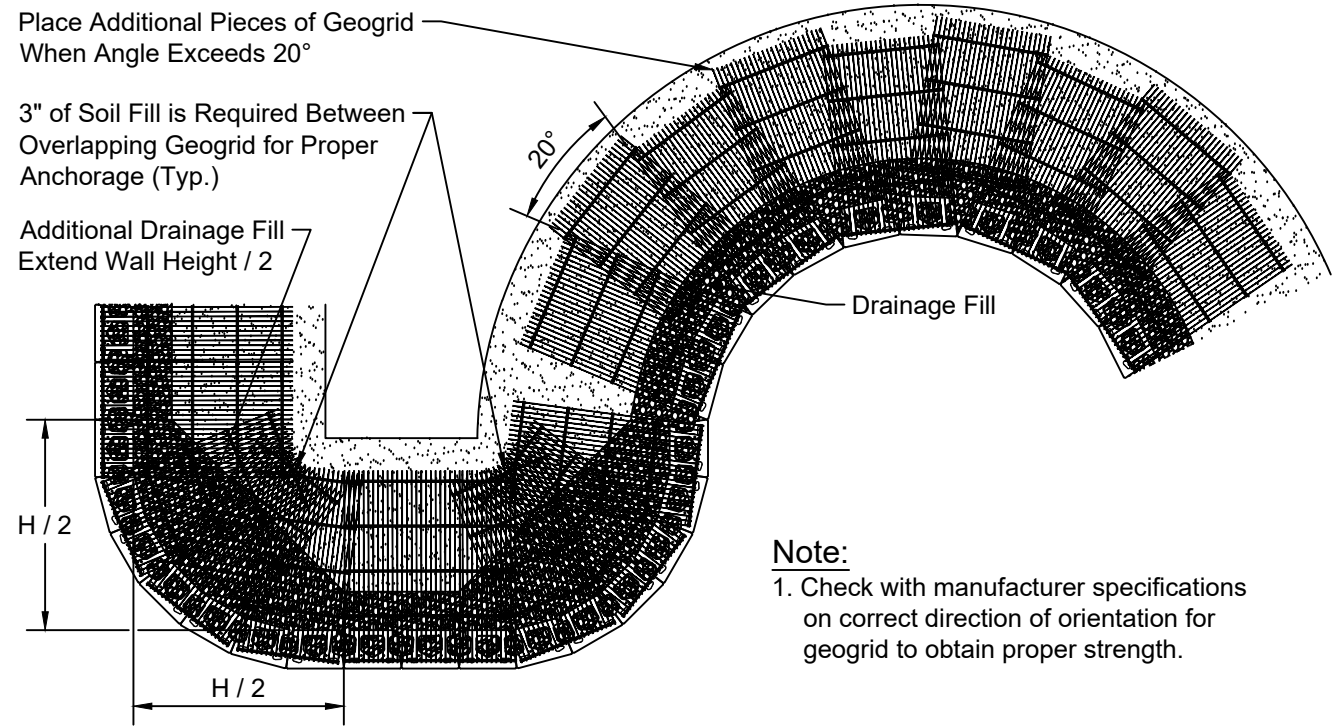
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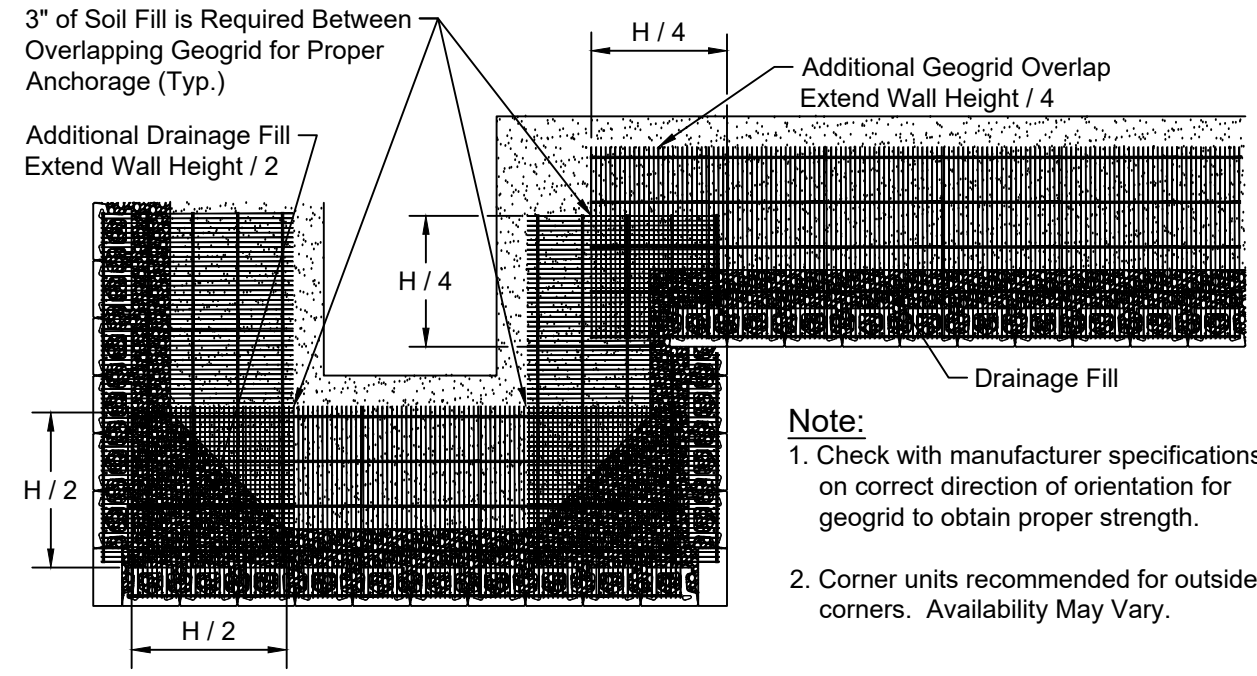
SHEET NO.
S-1

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Note:
 1. Check with manufacturer specifications on correct direction of orientation for geogrid to obtain proper strength.

Geogrid Installation on Curves



Note:
 1. Check with manufacturer specifications on correct direction of orientation for geogrid to obtain proper strength.
 2. Corner units recommended for outside corners. Availability May Vary.

Geogrid Installation at Corners



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SHEET NO.
S-2

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