

e:\lpsc\autocad\Drawings\2017\17057\eng\17057comp.dwg

#### SITE BENCHMARK

BENCHMARK: CENTER OF EXISTING SEWER MH  
ELEVATION = 1155.20'

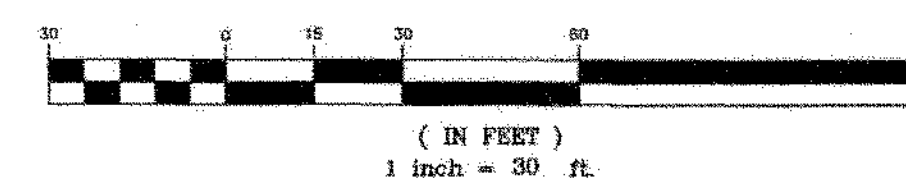
NOTE: FIELD VERIFY BEFORE USE.

**Dig With CARE**  
Keep Virginia Safe!

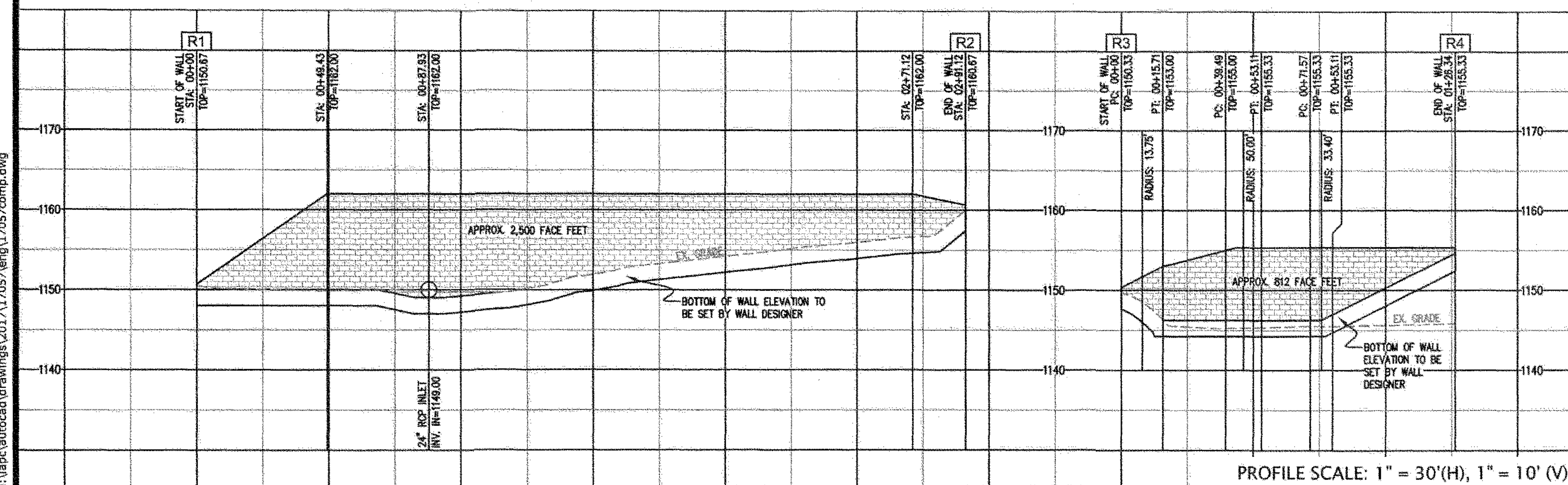
- Call Miss Utility at 811 before you dig.
- Allow the required time for marking.
- Respect the marks.
- Excavate carefully.

EXISTING STORMWATER  
MANAGEMENT FACILITY

#### GRAPHIC SCALE



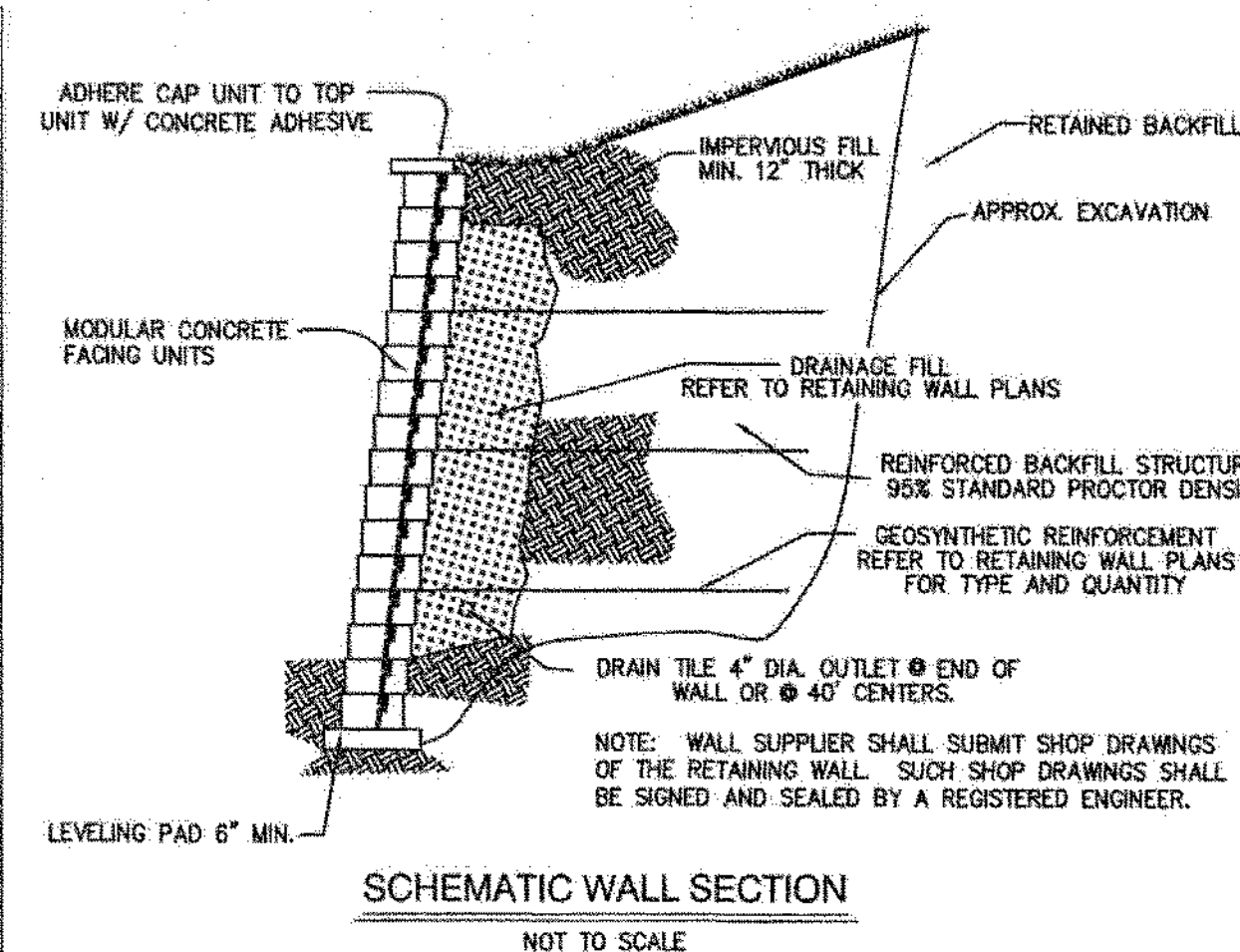
#### SCHEMATIC RETAINING WALL PROFILES



#### RETAINING WALL NOTES:

- WALL DETAILS AND PROFILES SHOWN IN THESE PLANS ARE FOR SCHEMATIC DETAIL ONLY.
- WALL DESIGNER SHALL PROVIDE TO THE OWNER DESIGN DRAWINGS FOR THE RETAINING WALL. RETAINING WALL DESIGN DRAWINGS SHALL INCLUDE TYPE AND STYLE OF WALLS AND INCLUDE HANDRAIL/GUARDRAIL REQUIREMENTS AND DESIGN. DRAWINGS SHALL BE SIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF VIRGINIA. WALL INFORMATION SHOWN IN THESE PLANS ARE FOR SCHEMATIC DETAIL ONLY. LUMSDEN ASSOCIATES ASSUMES NO RESPONSIBILITY OR LIABILITY RELATING TO FAILURES RESULTING FROM SAME.
- A QUALIFIED GEOTECHNICAL ENGINEER SHOULD MONITOR THE INSTALLATION OF THE RETAINING WALL AND THE CONSTRUCTION OF THE CUT AND FILL SLOPES TO INSURE ADEQUATE SOIL COMPACTION, TESTING, STABILIZATION, SLOPE STABILITY, AND STRUCTURAL INTEGRITY, ETC. GEOTECHNICAL ENGINEER SHALL BE LICENSED AS A PROFESSIONAL ENGINEER IN THE STATE OF VIRGINIA.
- ALL RETAINING WALLS OVER 2' IN HEIGHT MUST BE APPROVED AND PERMITTED BY ROANOKE COUNTY.
- ALL RETAINING WALLS 4 FEET OR GREATER IN HEIGHT MUST BE DESIGNED BY A PROFESSIONAL ENGINEER.

NOTE: "TW" TOP OF WALL ELEVATIONS ARE TO FINISHED GRADE ONLY AND DO NOT REFLECT THE TOP OF THE ACTUAL BLOCK COURSE OR WALL TOP CAP. REFER TO WALL PLANS FOR ACTUAL TOP OF WALL ELEVATIONS.



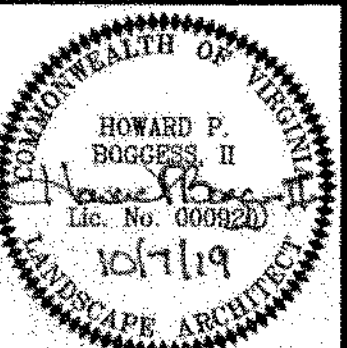
APPROVED

#### Site Development Plan for VIRGINIA VARSITY STORAGE EXPANSION Prepared for VIRGINIA VARSITY STORAGE CAVE SPRING MAGISTERIAL DISTRICT ROANOKE COUNTY, VIRGINIA

REVISIONS		DATE	DESCRIPTION
NO.	DATE	DESCRIPTION	
1	10/7/19	ALL METERS/GRABES & REMAIN INLET 10"	
2			
3			
4			
5			

DATE: January 11, 2019  
SCALE: 1" = 30'  
COMMISSION NO: 17-057  
SHEET 5 OF 10

Lumsden Associates, P.C.  
ENGINEERS | SURVEYORS | PLANNERS



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