

Project Administration

Geotechnical Engineering

The schedules for CVET's three drilling rigs and crews are coordinated and maintained by Cody Dobbins, EI.

Geotechnical borings are a critical component of any subsurface exploration. Borings are performed for the following objectives:

- to identify subsurface distribution of materials with distinctive properties,
- retrieve samples for soil characterization (engineering properties),
- acquisition of groundwater data, and
- provide access for introduction of in-situ testing tools.

Boring points are determined by CVET's engineering staff, the drilling crew performs the subsurface exploration, CVET's geological and engineering staff determines the engineering properties of the soil, and the appropriate reports with findings and recommendations, if any, are prepared for the client.

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Jan 1 Trent /Trey Off	2 Towne Place Hotel	3	4 Farm Bureau Lenoir	5 22-691 Lexington DG Hic	6 Buller Townhomes Mathis Wilkesboro	7
8	9 Everything Attachments Mobilize to the pkwy	10 Blue Ridge Parkway Russ VA Terracon Danville Virginia Phase II	11	18		
		25 more DMT er CPT - Charlotte	12 AM Catawba Falls Coring Geohydro Lincoln LCC Slope Stability	25		
			Feb 1 emont WK Dickson			




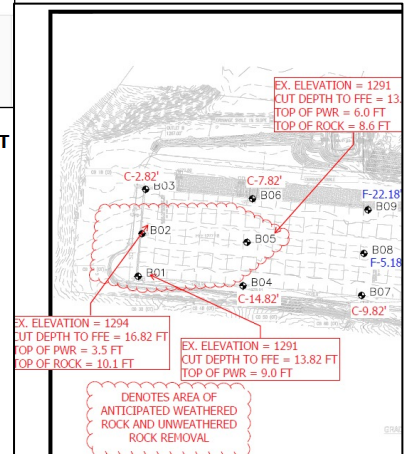
GEOTECHNICAL ENGINEERING REPORT

CVET Project No. 22-694

November 1, 2022

PREPARED FOR:

PREPARED BY:

CATAWBA VALLEY ENGINEERING & TESTING		BORING NUMBER B01	
CLIENT		PROJECT NAME	
PROJECT NUMBER 22-720		PROJECT LOCATION Morganton, NC	
DATE STARTED 11/1/22		COMPLETED 11/1/22	
DRILLING CONTRACTOR CVET		GROUND ELEVATION 1281 ft MSL	
DRILL RIG NUMBER 3		HOLE SIZE 2.25 inches	
DRILLING METHOD 2.25 Hollow Stem Auger		GROUND WATER LEVELS:	
LOGGED BY MD		CHECKED BY JHC	
HAMMER EFFICIENCY 83%		TIME OF BORING	
END OF BORING		Cave at 14.3	
NOTES Elevation Data Pulled From NCOneMap 2' Contours			
DEPTH (ft)	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY %
0	TOPSOIL (18 inches)	SS 1	100
1	(SM) RESIDUAL Silty SAND, Mica, Brown, Gray, Black, Tan, Dry to Moist, Loose to Medium Dense	SS 2	100



Test Pit Results:

A total of eight (8) soil test pits (TP-1 through TP-8) were completed on May 2, 2022. Please see the attached "Site Plan" for the locations of the test pits. A mini excavator was used for the test pits.