

OSE/PE Report For:

- Construction Permit
- Repair Permit
- Voluntary Upgrade Permit
- Certification Letter
- Subdivision Approval

Property Location:
 911 Address: _____ City: _____
 Lot B Section _____ Subdivision _____
 GPIN or Tax Map # 227-A-49B part Health Dept ID # _____
 Latitude _____ Longitude _____

Applicant or Client Mailing Address:
 Name: David Gregg and Julia Manley
 Street: P.O. Box 1294
 City: Bedford State VA Zip Code 24523

Prepared by:
 OSE Name Clifton D. Overstreet License # 1104
 Address 1684 Magnolia Dr.
 City Bedford State VA Zip Code 24523
 PE Name _____ License # _____
 Address _____
 City _____ State _____ Zip Code _____

Date of Report 6-17-2024 Date of Revision #1 _____
 OSE/PE Job # _____ Date of Revision #2 _____

Contents/Index of this report (e.g., Site Evaluation Summary, Soil Profile Descriptions, Site Sketch, Abbreviated Design, etc.)

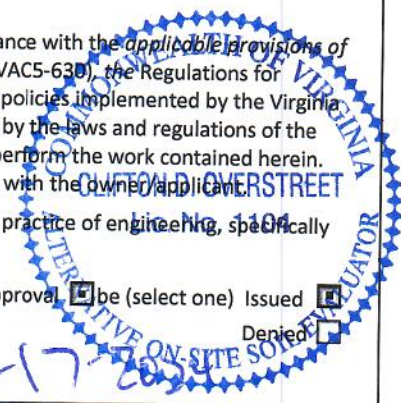
1. Cover Sheet	
2. Soil Information Summary	5. Site Sketch
3. Abbreviated Design Information	6. Well Addendum
4. Soil Profile	

Certification Statement
 I hereby certify that the evaluations and/or designs contained herein were conducted in accordance with the applicable provisions of the Sewage Handling and Disposal Regulations (12 VAC5-610), the Private Well Regulations (12 VAC5-630), the Regulations for Alternative Onsite Sewage Systems (12VAC5-613) and all other applicable laws, regulations and policies implemented by the Virginia Department of Health. I further certify that I currently possess any professional license required by the laws and regulations of the Commonwealth that have been duly issued by the applicable agency charged with licensure to perform the work contained herein. The potential for both conventional and alternative onsite sewage systems has been discussed with the owner/applicant.

The work attached to this cover page has been conducted under an exemption to the practice of engineering, specifically the exemption in Code of Virginia Section 54.1-402.A.11

I recommend that a (select one): construction permit certification letter subdivision approval repair permit voluntary upgrade be (select one) Issued Denied

OSE/PE Signature Clifton D. Overstreet Date 6-17-2024



Environmental Concepts, LLC

1684 Magnolia Dr. Bedford, VA 24523

PHONE: (540) 815-2954 EMAIL: Doug.Overstreet@gmail.com

M.A.O.S.E. #1104

DATE: June 17, 2024

SUBMITTED TO: Bedford County Health Department

APPLICANT: David M. Gregg and Julia Manley
P.O. Box 1294
Bedford, VA 24523

LOCATION: New Parcel B; 1.5 acres; Smith Mountain Lake Parkway; Bedford County, Virginia

PROPOSED USE: New Single Family Residence
3 Bedroom (450 gallons/day)

WATER SUPPLY: New Private Class III B Well, Deep Drilled

PROPOSED INSTALLATION: New Type I, In-Ground Septic Tank Effluent Drainfield System
(Conventional Gravity trenches)

SOIL INFORMATION SUMMARY:

Parent Material: Soils are residual, weathered rocks of the Piedmont Physiographic Province.
Position in landscape satisfactory: Yes X No ___.
Description of landscape: Upland sideslope, linear-linear topo, Agricultural Field Sideslope.
Slope: 6% Depth to Cr or rock: Max. 58" Min. None ___.
Depth to impervious strata (___): Max. >15' Min. >5' None X.
Depth to Redox mottles: N/A in. Depth to Chroma 2 mottles: N/A in.
Free water present: Yes ___ No X Range N/A in.
Soil percolation rate: 60 min/in. (Estimated). Texture Group: III.
Site Evaluated By: Doug Overstreet #1104 Date of Evaluation: May 29, 2024

WATER SUPPLY CONSTRUCTION SPECIFICATIONS:

Proposed Water Supply: Class IIIB Cased: 50'+ Grouted: 50'+

This is not a Drainfield Construction Permit. This report is to certify that an area exists for the permitting of a drainfield and well. This report is valid only if presented to the local VDH office for their approval. For this approval the report must be accompanied by an application, fee and stamped plat showing the survey located drainfield area. Once approved this Letter of Certification does not expire and is transferable. When the permit is needed the local VDH or an AOSE must return to the property to complete the design. The actual type and design of the drainfield and well to be constructed will be determined at that time based on site conditions and the regulations current during that visit. If the proposed drainfield area must be cleared before the permit has been issued, follow the provided clearing instructions.



Environmental Concepts, LLC

1684 Magnolia Dr. Bedford, VA 24523

PHONE: (540) 815-2954 EMAIL: Doug.Overstreet@gmail.com
M.A.O.S.E. #1104

LOCATION: New Parcel B; 1.5 acres; Smith Mountain Lake Parkway; Bedford County, Virginia

ABBREVIATED DESIGN INFORMATION:

Proposed Primary Drainfield: Type I, In-Ground Septic Tank Effluent Drainfield System
(Conventional Gravity trenches)

Soil percolation rate: 60 min/in. (Estimated). Texture Group: III .
Separation distance required: 18 in. Limiting depth (Rock): 58 in.
Minimum installation depth required by system and/or slope: 18 in.
Depth from ground surface to bottom of trench: 36 in.
Square ft. required per bedroom: 452 .
Total square ft. required for drainfield: 3 bedroom 1356 .
Design layout for primary drainfield
5 lines x 92 ft. in length x 3 ft. wide = 1380 sq. ft.
Center-to-Center spacing proposed adjusting for slope: 9 ft.
Area needed for design: 39' x 92' (3588 sq. ft.)
Area documented: 75' x 92' (6900 sq. ft.)
Depth of Aggregate: 13" of clean 1-1.5" stone

Proposed Reserve Drainfield: Type II, In-Ground Advanced Pretreatment Drainfield System
(TL-3 Treatment to Gravity Trench)

Soil percolation rate: 60 min/in. (Estimated). Percent Reserve: 100% .
Minimum installation depth required by system and/or slope: 0 in.
Separation distance required: 12 in. Limiting depth (Rock): 48 in.
Depth from ground surface to bottom of trench: 36 in.
Gallons per day: 450
Gallons per square ft.: 0.64
Total square ft. required for drainfield : 704 .
Possible design layout for primary drainfield: trenches
3 bedroom: 3 lines x 92 ft. in length x 3 ft. wide = 828 sq. ft
Area needed for design: 21' x 92' (1932 sq. ft.)
Area documented: 75' x 92' (6900 sq. ft.)



Environmental Concepts, LLC

1684 Magnolia Dr. Bedford, VA 24523
PHONE: (540) 815-2954 EMAIL: Doug.Overstreet@gmai.com
M.A.O.S.E. #1104

LOCATION: New Parcel B; 1.5 acres; Smith Mountain Lake Parkway; Bedford County, Virginia

SOIL PROFILE :

HOLE# NAME	HORIZON	DEPTH INCHES	DESCRIPTION OF SOIL CHARACTERISTICS	TEXTURE GROUP
#4	A	0-3	7.5YR 3/4 dark brown; friable; loam	II
	CDO	Bt1	3-28 2.5YR 5/6 red; clay loam	III
	Pit	BC	28-46 2.5YR 5/6 red with yellowish red; light clay loam light mica	III
		CB	46-58 2.5YR 5/6 red with yellowish red; micaceous; loam	II
		58 Pit terminated on Quartz		
#5	A	0-3	7.5YR 3/4 dark brown; friable; loam	II
	CDO	Bt1	3-30 2.5YR 5/6 red; clay loam	III
	Pit	BC	30-44 2.5YR 5/6 red with yellowish red; light clay loam light mica	III
		C	44-65+ 2.5YR 5/6 red with yellowish red and brown; micaceous; loam	II
#6	A	0-3	7.5YR 3/4 dark brown; friable; loam	II
	CDO	Bt1	3-36 2.5YR 5/6 red; clay loam	III
	Pit	BC	36-46 2.5YR 5/6 red with yellowish red; light clay loam light mica	III
		C	46-78+ 2.5YR 5/6 red with yellowish red and brown; micaceous; loam	II



**Addendum to AOSE/PE Certification Statement
For Private Well Construction Permit**

Instructions: Please check one box in 1-3 below. Statement templates for item #2 and #3 are on the following pages.

The proposed well site shown herein,

- 1. Is located a minimum of 50 feet from all property lines.
- 2. Is located within 50 feet of the adjacent property line(s) but I have determined that the adjacent property is not used for an agricultural operation.
 - i. Written affirmation from the adjacent property owner(s) that their property is not used for an agricultural operation.
 - ii. Other confirmation that land use is not an agricultural operation, please describe:
- 3. Is located within 50 feet of an adjacent property line where the property is used for an agricultural operation. For confirmation, I have attached the appropriate documentation pursuant to § 32.1-176.5:2 of the *Code of Virginia*. (check one below)
 - i. Written permission from the adjacent property owner(s) for the well construction.
 - ii. I certify that no other site on the property complies with the Board's Regulations for the construction of a private well.

