

OSE/PE Report For:

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

Property Location:

911 Address: _____ City: _____

Lot Residue 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	

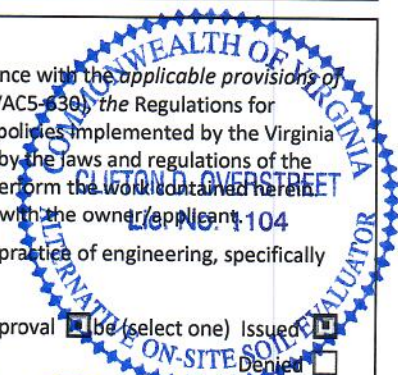
Certification Statement

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: Residual; 5.4 acres; off 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, Wooded Sideslope.

Slope: 17% Depth to Cr or rock: Max. ___ Min. ___ None X.

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: 45 min/in. (Estimated). Texture Group: IIB.

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.



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

LOCATION: Residual; 5.4 acres; off 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: 45 min/in. (Estimated). Texture Group: IIB .

Separation distance required: 18 in. Limiting depth (N/A): in.

Minimum installation depth required by system and/or slope: 18 in.

Depth from ground surface to bottom of trench: 54 in.

Square ft. required per bedroom: 344 .

Total square ft. required for drainfield: 3 bedroom 1032 .

Design layout for primary drainfield

5 lines x 70 ft. in length x 3 ft. wide = 1050 sq. ft.

Center-to-Center spacing proposed adjusting for slope: 10 ft.

Area needed for design: 43' x 70' (3588 sq. ft.)

Area documented: 50' x 70' (3500 sq. ft.)

Depth of Aggregate: 13" of clean 1-1.5" stone

Proposed Reserve Drainfield: Not required due to soil type



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

LOCATION: Residual; 5.4 acres; off Smith Mountain Lake Parkway; Bedford County, Virginia

SOIL PROFILE :

HOLE# NAME	HORIZON	DEPTH INCHES	DESCRIPTION OF SOIL CHARACTERISTICS	TEXTURE GROUP
#7	A	0-3	7.5YR 3/4 dark brown; friable; loam	II
CDO	Bt1	3-24	2.5YR 5/6 red; clay loam	III
Pit	BC	24-30	2.5YR 5/6 red with yellowish red; light clay loam light mica	III
	C	30-84+	2.5YR 5/6 red with yellowish red and brown; micaceous; loam	II
#8	A	0-3	7.5YR 3/4 dark brown; friable; loam	II
CDO	Bt1	3-20	2.5YR 5/6 red; clay loam	III
Pit	BC	20-28	2.5YR 5/6 red with yellowish red; light clay loam light mica	III
	C	28-80+	2.5YR 5/6 red with yellowish red and brown; micaceous; loam	II
#9	A	0-3	7.5YR 3/4 dark brown; friable; loam	II
CDO	Bt1	3-24	2.5YR 5/6 red; clay loam	III
Pit	C	24-88+	2.5YR 5/6 red with yellowish red and brown; micaceous; loam	II



Environmental Concepts, LLC

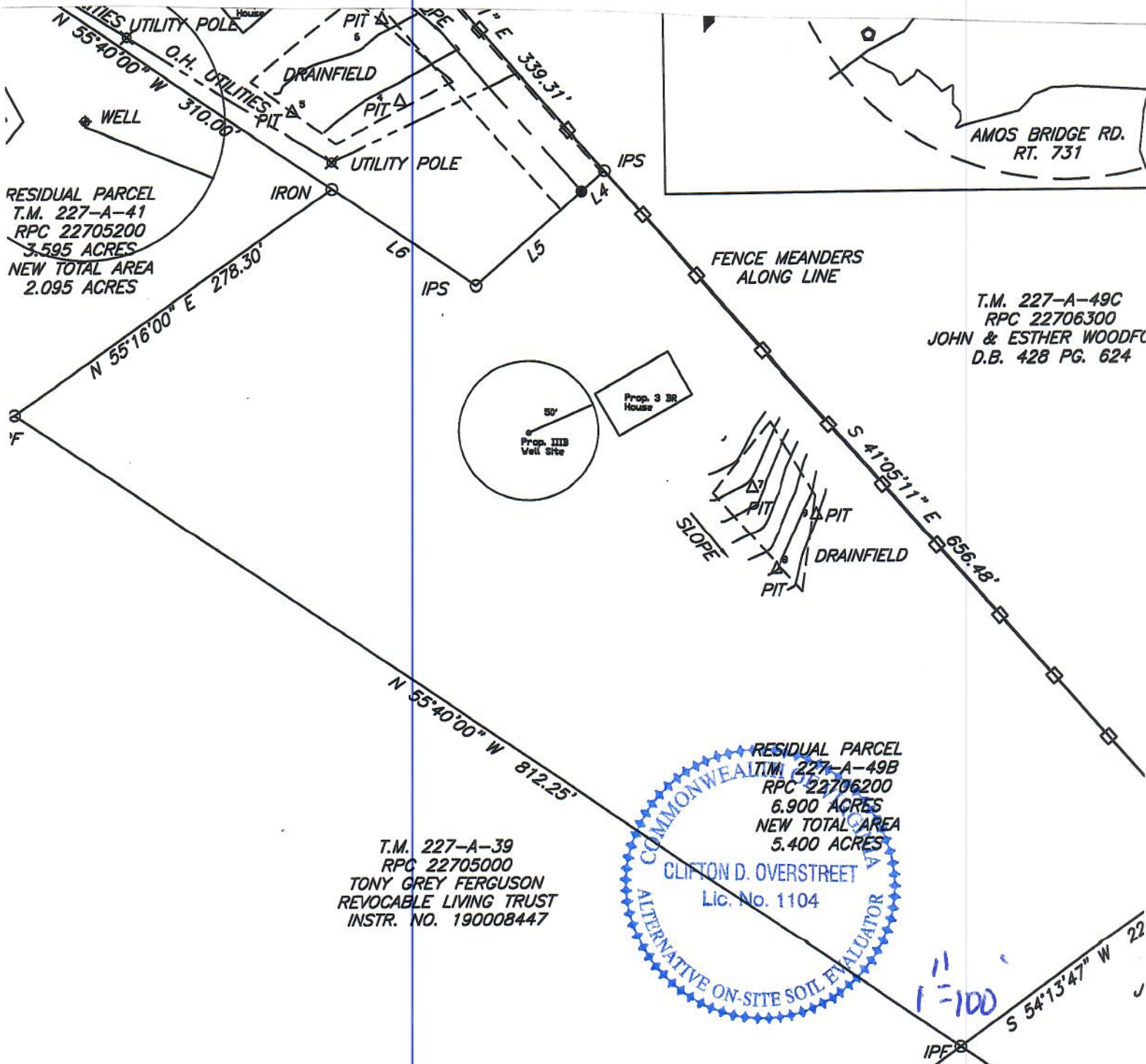
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LOCATION: Residual; 5.4 acres; off Smith Mountain Lake Parkway; Bedford County, Virginia
SITE SKETCH:

Included on this site sketch are existing and/or proposed property lines, primary and reserve drainfield area, proposed building location, driveway, well and soil evaluation borings with an accuracy of +/- three feet. As well as any observed existing structures, wells, or drainfields within 200'+ of the proposed area. All natural geographic features such as drainways, springs, gulleys, etc. that would impact the site evaluation are also included. Any feature not shown on the site sketch were either not observed, did not pertain to this evaluation, or do not exist



RESIDUAL PARCEL
T.M. 227-A-41
RPC 22705200
3.595 ACRES
NEW TOTAL AREA
2.095 ACRES

T.M. 227-A-49C
RPC 22706300
JOHN & ESTHER WOODFL
D.B. 428 PG. 624

T.M. 227-A-39
RPC 22705000
TONY GREY FERGUSON
REVOCABLE LIVING TRUST
INSTR. NO. 190008447

RESIDUAL PARCEL
T.M. 227-A-49B
RPC 22706200
6.900 ACRES
NEW TOTAL AREA
5.400 ACRES
CLIFTON D. OVERSTREET
Lic. No. 1104
ALTERNATIVE ON-SITE SOIL EVALUATOR

1" = 100'

**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.

