

OSE/PE Report For:

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

Property Location:

911 Address: _____ City: _____
 Lot 11 Section _____ Subdivision Sportsman's Point
 GPIN or Tax Map # 265-1-11 Health Dept ID # _____
 Latitude _____ Longitude _____

Applicant or Client Mailing Address:

Name: Tolers Bridge Investments
 Street: 4200 Evergreen Lane Suite 323
 City: Annandale State VA Zip Code 22003

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 7-17-2018 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 | |

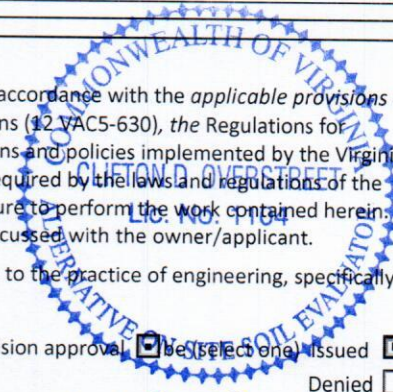
Certification Statement

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 C. Overstreet Date 7-17-18



Environmental Concepts, LLC
1684 Magnolia Dr. Bedford, VA 24523
PHONE: (804) 467-4480 (540) 815-2954 Doug.Overstreet@gmail.com
A.O.S.E. #1104

DATE: July 17, 2018 **SUBMITTED TO:** Bedford County Health Department

APPLICANT: Tolers Bridge Investments
4200 Evergreen Lane Suite 323
Annadale, VA 22003

LOCATION: Lot 11; Sportsman's Point, 18.992 acres; Bedford County; Virginia

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

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

PROPOSED INSTALLATION: New Type II, In-Ground Septic Tank Effluent Drainfield System
(Conventional Pump)

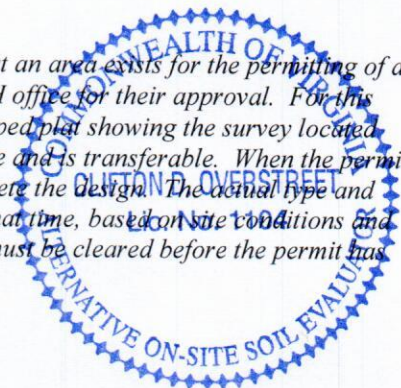
SOIL INFORMATION SUMMARY:

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: 32% Depth to Cr or rock: 58
Depth to impervious strata (N/A): Max. Min. 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/ AOSE #1104 Date of Evaluation: June 11, 2018

WATER SUPPLY CONSTRUCTION SPECIFICATIONS:

Proposed Water Supply: Class IIIC Cased: 20'+ Grouted: 20'+

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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ABBREVIATED DESIGN INFORMATION:

Proposed Primary Drainfield: Type II, In-Ground Septic Tank Effluent Drainfield System
(Conventional Pump)

Soil percolation rate: 60 min/in. (Estimated). Texture Group: III .
Separation distance required: 18 in. Limiting depth (schist): 58 in.
Depth from ground surface to bottom of trench: 40 in.
Square ft. required per bedroom: 452 .
Total square ft. required for drainfield: 3 bedroom 1356 .
Design layout for primary drainfield:
5 lines x 100 ft. in length x 3 ft. wide = 1500 sq. ft.
Center-to-Center spacing proposed adjusting for slope: 12 ft.
Area needed for design: 51' x 100' (5100 sq. ft.)
Area documented: 90' x 100' (9000 sq. ft.)
Depth of aggregate: 13" of 1/2" to 1 1/2" of clean stone

Proposed Reserve Drainfield: Type II, In-Ground Advanced Pretreatment Drainfield System
(TL-3 Treatment to LPD 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 (schist): 58 in.
Depth from ground surface to bottom of trench: 36 in.
Gallons per day: 450 .
Gallons per square ft.: 89 .
Total square ft. required for drainfield: 506 .
Possible design layout for primary drainfield: trenches
3 bedroom: 2 lines x 100 ft. in length x 3 ft. wide = 600 sq. ft
Area needed for design: 15' x 100' (1500 sq. ft.)
Area documented: 90' x 100' (9000 sq. ft.)

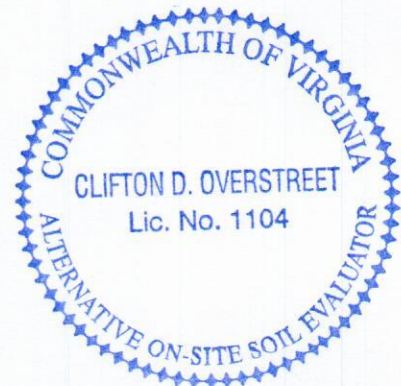


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SOIL PROFILE :

HOLE# NAME	HORIZON	DEPTH INCHES	DESCRIPTION OF SOIL CHARACTERISTICS	TEXTURE GROUP
#1 CDO	A	0-4	7.5YR 5/4 brown; loam	II
	Bt1	4-24	2.5YR 5/6 red; friable; heavy clay loam to clay loam	III
	BC	24-28	2.5YR red with 5YR 5/6 yellowish red; friable; light clay loam	III
	CB	28-60+	5YR 5/6 yellowish red; micaceous; silty loam	II
#1 CDO	A	0-4	7.5YR 5/4 brown; loam	II
	Bt1	4-20	2.5YR 5/6 red; friable; heavy clay loam to clay loam	III
	BC	20-24	2.5YR red with 5YR 5/6 yellowish red; friable; light clay loam	III
	CB	24-58+	5YR 5/6 yellowish red; micaceous; silty loam	II
#1 CDO	A	0-4	7.5YR 5/4 brown; loam	II
	Bt1	4-20	2.5YR 5/6 red; friable; heavy clay loam to clay loam	III
	BC	20-30	2.5YR red with 5YR 5/6 yellowish red; friable; light clay loam	III
	CB	30-58 58	5YR 5/6 yellowish red; micaceous; silty loam Hole terminated on schist	II



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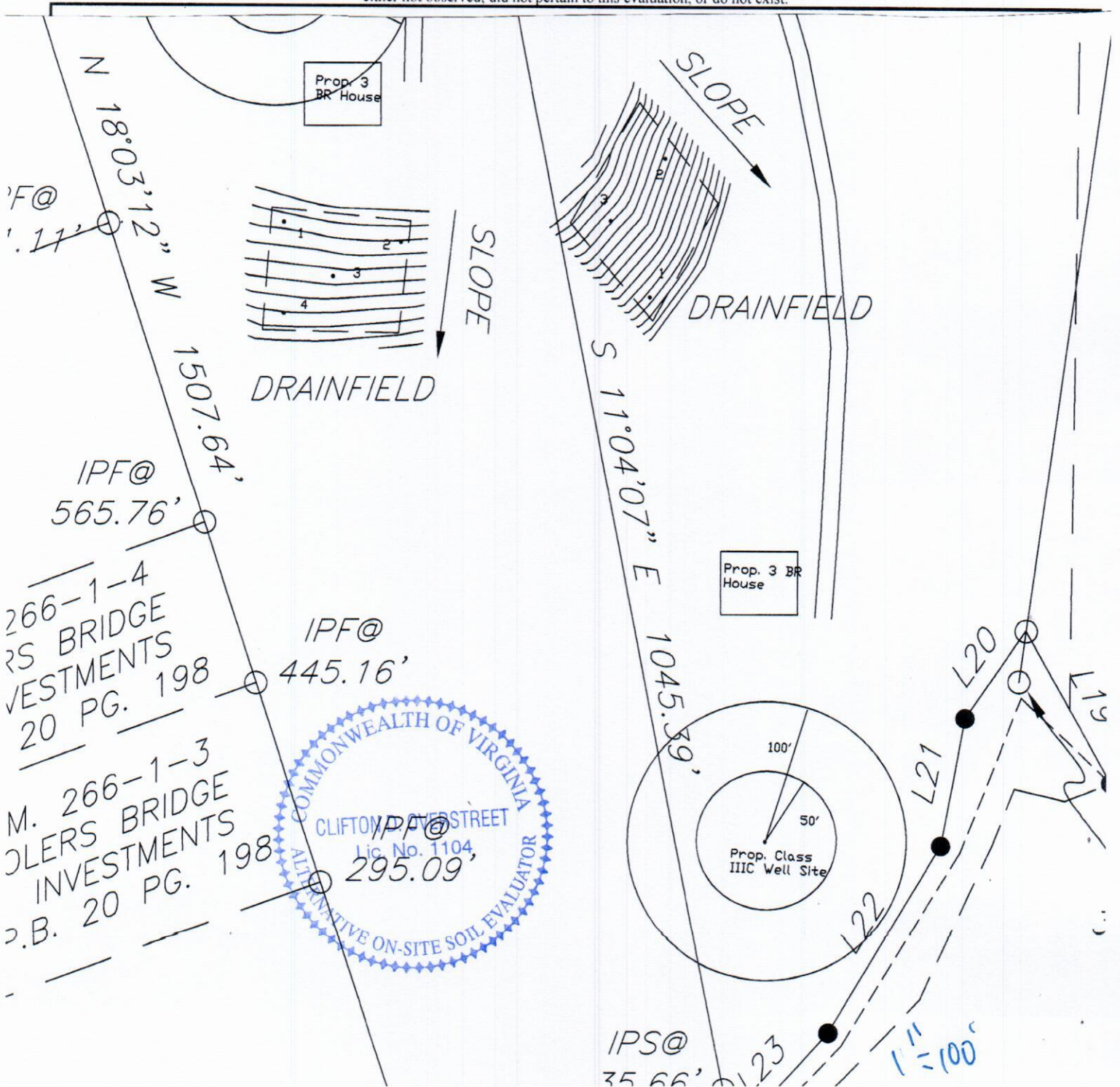
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SITE SKETCH:

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 150'+ 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.



**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.

