

SOIL SUMMARY REPORT

General Information:

Date: October 6, 2023 Franklin County Health Department

Applicant: Woltz & Associate's

Telephone No. 540 765-7733

Address: 23 Franklin Road Roanoke, Va. 24011

Location: Rt. 942

Subdivision: Franklin Real Estate Company

Section: _____

Lot: 16.292 acre Tract

Soil Information Summary:

Drain Field A LOCATED ON LOT 16.292 acre Tract

Slope: 7%

Depth to rock/impervious strata: Max. ____ Min. ____ None X _____

Depth to seasonal water table: (gray mottling or gray color) No Yes _____ Inches

Free water present: No Yes _____ Range in Inches

Soil percolation rate estimated: Yes Texture group **II**

No Estimated rate 40 min/inch

Proposed Drainfield 6-70'x 3' Lines installed at 54 Inches Deep

Name and title of evaluator: Tim Parker AOSE # 1098

SOIL EVALUATION FORM**Subdivision** Franklin Real Estate Company **Lot** 16.292 acre Tract **Drain Field** A

Hole #	Horizon	Depth (inches)	Description of color, texture, etc.	Texture Group
1	A/E	0-6	10 YR 4/4 light Clay Loam	III
	Bt	6-32	2.5 YR 4/8 Clay Loam with mica	III
	C1	32-67	2.5 YR 4/8 micaceous Loam	II
	C2	67-72	10 YR 4/6 fine Sandy Loam	II
2	A/E	0-4	10 YR 6/4 Loam	II
	E/B	4-14	7.5 YR 5/6 light Clay Loam	III
	Bt	14-41	2.5 YR 4/8 Clay Loam	III
	C	41-72	2.5 YR 5/8 Loam with mica with common highly weathered feldspar inclusions	II
3	A/E	0-6	10 YR 4/4 light Clay Loam	III
	Bt	6-36	2.5 YR 4/8 Clay Loam with mica	III
	C	36-72	10 YR 4/6 fine Sandy Loam	III

Remarks: Clifford Soil Series

Name and title of evaluator: Tim Parker AOSE # 1098

Abbreviated Design Form

For use with gravity and pump drainfields, enhanced flow systems and low pressure distributions systems when applying for a certification letter of subdivision approval.

Design Basis Subdivision Franklin Real Estate Company Lot 16.292 acre Tract D/F A

- A. Estimated Percolation Rate 40
- B. Trench bottom square feet
Required per bedroom
(from Table 4.6 based on Gravity LPD) 314 ft²
- C. Number of bedrooms 4

Area Calculations

- D. Length of trench 70 ft. Length of available area 70 ft.
- E. Width of trench 3 ft.
- F. Number of trenches 6
- G. Center-to-center spacing 9 ft.
- H. Width required $[G(F-1)+E]$ 48 ft. Width of available area 48 ft.
- I. Total square footage required (BxC) 1256 ft²
- J. Square footage in design (DxExF) 1260 ft²
- K. Is a reserve required? No Yes Lines at Inches Deep
- L. Slope Type: Side Slope

Name and title of evaluator: Tim Parker AOSE # 1098

P.O. Box 307
 Gretna , Va.24557
 Phone: 540 537-2392

AOSE/PE Report for Subdivision

Location of property: Rt. 40 east to Rt. 122 north to right on Rt. 616 to left on Rt. 942 for 0.85 miles to property on right	Lot 16.292 acre tract Subdivision Franklin Real Estate Co. Franklin County Parcel # 0320005400
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Applicant or Client and address: Woltz & Associates 23 Franklin Road Roanoke , Va. 24011	Prepared by AOSE/PE (name and address): Tim Parker AOSE # 1098 P.O. Box 307 Gretna , Va. 24557
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Date of Report: <u>10-06-23</u> Revision Date: _____, _____	AOSE/PE Job Number: 23-154 Health Dept. ID. No.: _____
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Certification Statement(s):

I hereby certify that the evaluations and/or designs contained herein were conducted in accordance with the Sewage Handling and Disposal Regulations (12 VAC5-610), the Private Well Regulations (12 VAC5-615), and other applicable policies of the Virginia Department of Health. Furthermore, I certify that my evaluation and/or design contained herein complies with all applicable laws, regulations, and policies implemented by the Virginia Department of Health. I recommend a <u>Subdivision</u> be <u>Approved</u> 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 The potential for both conventional and alternative onsite sewage systems has been discussed with the owner / applicant	
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