ANDREW MARBLE
SITE EVALUATION & SEPTIC DESIGN

Site Evaluation/ Soil Analysis for Septic Suitability

November 2, 2026

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Re: Preliminary Soils Investigation for TBD Red Oaks Lodge Road, Belgrade, Maine — Map 25, Lot 56C

Purpose of Investigation

The purpose of this site evaluation was to determine whether the subject property is suitable for the placement of a subsurface wastewater disposal system in compliance with the Maine Subsurface Wastewater Disposal Rules. Specifically, the investigation focused on identifying suitable areas for the installation of a new three-bedroom septic system.

Means of Investigation

Soil conditions were examined by means of subsurface soil test borings to evaluate suitability for subsurface wastewater disposal in accordance with the current Maine Subsurface Wastewater Disposal Rules. Soil consistency, soil profile characteristics, parent material, depth to limiting factors, and other relevant site conditions were evaluated. Ground slope and the availability of sufficient area to accommodate a compliant septic system location were also considered.

Results of Investigation

On October 30, 2026, I conducted a site evaluation on a parcel of land located along Red Oaks Lodge Road in the Town of Belgrade, Maine. The property is identified as Map 25, Lot 56C on the Belgrade Tax Assessors Maps and consists of approximately 2.7 acres.

Two soil test borings were completed in areas that appeared to meet the applicable setback requirements for the placement of a three-bedroom subsurface wastewater disposal system.

Soil Test Results

Test Pit #1 – Type 7-C Mixed Geological Origins

The first test boring revealed Type 7-C (Mixed Geological Origins) soils consisting of friable fine sandy loam and loamy sand overlying stratified drift material (sand) at 26" below the surface. While the upper sandy loam/loamy sand material was loose and well drained, the underlying sand was very firm / cemented, and was identified as the limiting factor due to its firmness and coloration.

Ground slope at this location was measured at approximately 9%, which is well below the maximum allowable slope of 20% for a conventional septic field under the applicable regulations.

Test Pit #2 – Type 2-C Ablation Glacial Till

The second test boring revealed Type 2-C (Ablation Glacial Till) soils consisting of friable fine sandy loam throughout the depth of investigation. The soil profile was very rocky, limiting the overall depth of investigation to approximately 26 inches below the ground surface, where refusal was encountered due to stones.

The limiting factor at this location was groundwater, encountered at approximately 16 inches below the ground surface, as indicated by the presence of soil mottling.

Ground slope at this location was measured at approximately 3%, which is also well below the maximum allowable slope of 20% for a conventional septic field under the applicable regulations.

Both test locations were marked in the field with labeled orange flagging. The GPS coordinates for each location are as follows:

- **Test Pit #1:** Latitude 44° 31′ 28.6″ N; Longitude 69° 52′ 51.4″ W
- **Test Pit #2:** Latitude 44° 31′ 28.2″ N; Longitude 69° 52′ 53.9″ W

A more detailed analysis of the soil profiles, limiting factors, and test location characteristics is provided on the final page of this report.

Conclusion

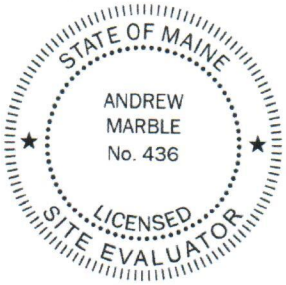
Based on the conditions observed during this investigation, it is my professional opinion that the subject property contains suitable areas for the placement of a three-bedroom subsurface wastewater disposal system in compliance with the Maine Subsurface Wastewater Disposal Rules.

Both test locations exhibited soil conditions and ground slopes that appear suitable for supporting a compliant septic system. Although the limiting factors differed between the two locations, either site appears capable of accommodating a three-bedroom system, subject to final system design and verification of all applicable setback and regulatory requirements.

Please feel free to contact me if you have any questions regarding this evaluation.

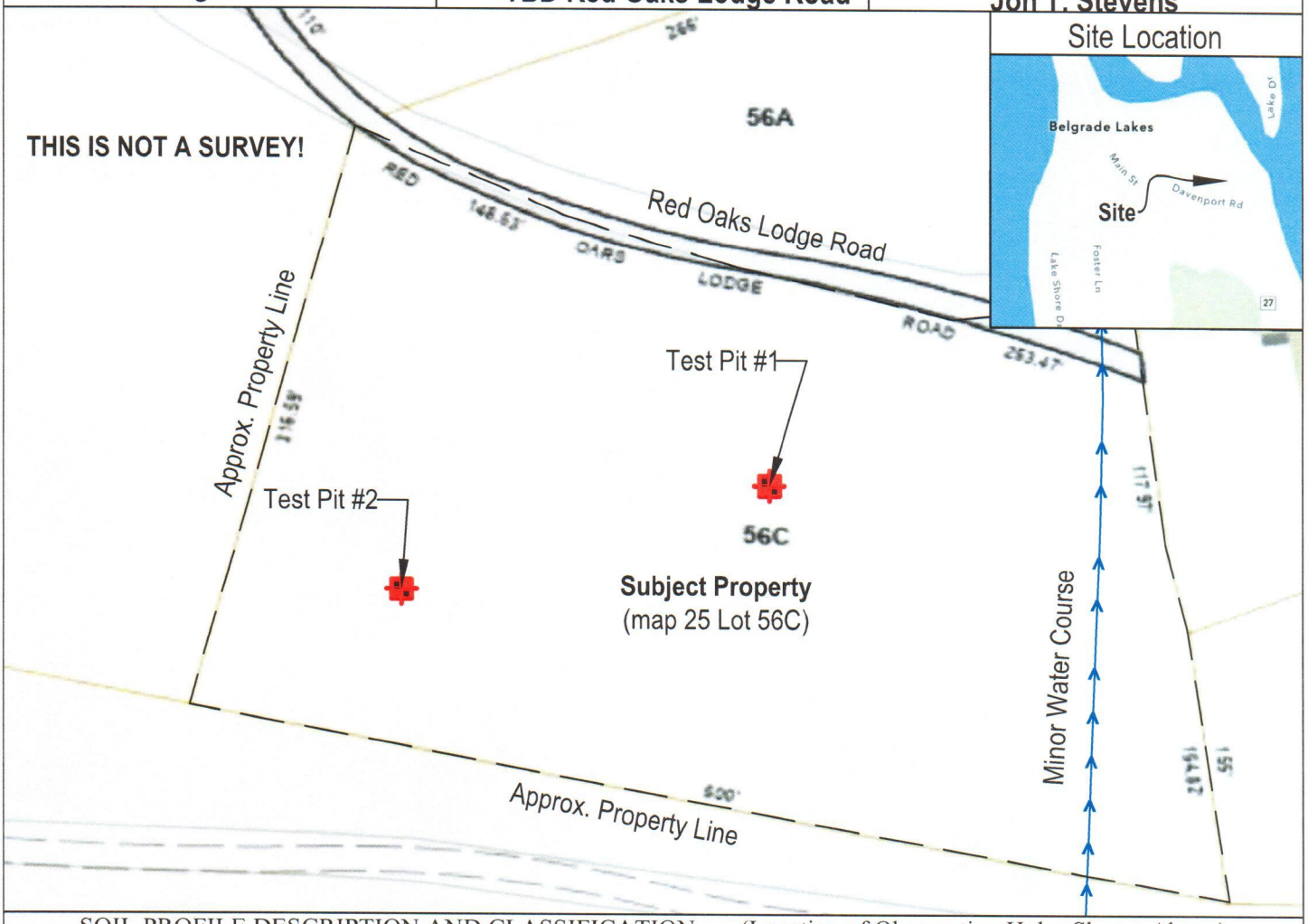
Sincerely,

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Site Evaluation and Soil Analysis

Town, City, Plantation	Street, Road, Subdivision	Owner or Applicant Name
Belgrade	TBD Red Oaks Lodge Road	Jon T. Stevens



SOIL PROFILE DESCRIPTION AND CLASSIFICATION (Location of Observation Holes Shown Above)

Observation Hole # Test Pit-1 ☐ Test Pit ■ Boring

2 " Depth of organic horizon above mineral soil

Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling
0–6	Fine Sandy Loam		Dark Brown	
6–12	Loamy Sand	Friable	Bright Reddish Brown	
12–18			Brown	None Observed
18–24	Fine to Medium Sand	Firm / Cemented	Pale Yellow	
24–36	Limit of Investigation at 34"			
36–48				

Soil	Classification	Slope	Limiting Factor	
7 Profile	C Condition	9% Percent	26" Depth	☐ Groundwater ■ Restrictive Layer ☐ Bedrock

Observation Hole # Test Pit-2 ☐ Test Pit ■ Boring

1 " Depth of organic horizon above mineral soil

Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling
0–6	Fine Sandy Loam		Dark Brown	
6–12		Friable	Reddish Brown	
12–18	Sandy Loam		Brown	
18–24			Olive Brown	Few / Faint
24–30	Refusal in Stones @ 26"			
30–48				

Soil	Classification	Slope	Limiting Factor	
2 Profile	C Condition	3% Percent	16" Depth	■ Groundwater ☐ Restrictive Layer ☐ Bedrock

Site Evaluator Signature	SE #	Date	
	436	11/2/2026	Page 4 of 4