

Soil Profile 1

- 0-4" Mixed fill material/disturbed
- 4-21" Yellowish brown (10YR 5/4) loamy sand/sandy loam, granular, very friable/friable, slightly expansive.
- 21-34" Yellowish brown (10YR 5/6) sandy loam/sandy clay loam, sub-angular blocky, firm slightly expansive.
- 34-48" Yellowish brown (10YR 5/6) sandy clay loam, sub-angular blocky, firm, slightly expansive with yellowish brown (10YR 5/8) at 40" and light brownish gray (10YR 6/2) at 42"

Soil wetness condition: 40-42"
LTAR: 0.4

Soil Profile 4

- 0-8" Mixed fill material/disturbed
- 8-24" Brown (10YR 5/3) loamy sand, granular, very friable, non-expansive.
- 24-34" Light yellowish brown (10YR 6/4) loamy sand, granular, very friable, non-expansive.
- 34-54" Yellowish brown (10YR 5/6) sandy clay loam, sub-angular blocky, firm, slightly expansive with yellowish brown (10YR 5/8) at 46" and light brownish gray (10YR 6/2) at 48"

Soil wetness condition: 46-48"
LTAR: 0.4

Soil Profile 6

- 0-8" Mixed fill material/disturbed
- 8-12" Brown (10YR 5/3) loamy sand, granular, very friable, non-expansive.
- 12-24" Light yellowish brown (10YR 6/4) loamy sand, granular, very friable, non-expansive.
- 24-36" Yellowish brown (10YR 5/6) sandy loam, sub-angular blocky, friable, slightly expansive.
- 36-48" Yellowish brown (10YR 5/6) sandy clay loam, sub-angular blocky, firm, slightly expansive with yellowish brown (10YR 5/8) at 46" and light brownish gray (10YR 6/2) at 48"

Soil wetness condition: 48"
LTAR: 0.4

● Soil boring location (located by Geode GPS unit)

System Specifications

3 Bedroom residence
360 Gallons Per Day
LTAR 0.4

Initial: 1000 gallon septic tank (ST)
300 Sq. Ft. Prefabricated permeable block panel system
150 Ln. Ft. Prefabricated permeable block panel system
(3) 2' x 50' PPBPS nitrification trenches
Trench bottom depth 16" to bottom of panel (in natural soil)
Requires additional soil cover

Repair: LTAR 0.2
Install 1,000 gallon pump tank (PT)
1,800 Sq. Ft. anaerobic drip irrigation system
900 Ln. Ft. Drip tubing required
(2) variable length drip areas shown
Install drip tubing 6" into soil

Notes:

1. Site was Evaluated using hand augers in accordance with 15A NCAC 18E regulations and is submitted in accordance with G.S. 130A-336.2
2. The system shall be installed by a septic contractor listed on the ARM List of Approved Installers. Please note that one or more certified installers listed are employees of ARM. If ARM installs this system, the installer is a separate certification holder from the AOWE. No evaluator shall allow his/her interest to affect the quality or results of the evaluation work that the evaluator may be called upon to perform, to include all required inspection of onsite wastewater system installations.
3. Pre-construction conference is required to ensure proper location and installation depth. Additional permit requirements may be specified at time of meeting as needed.
4. Domestic strength wastewater only; **water usage greater than 75% of the design daily flow is considered excessive.**
5. **Wastewater system and repair areas shall be protected from traffic and/or any other disturbance by physical barrier during all phases of construction. No removal of mineral soil**
6. Surface water shall be directed away from system area through landscaping and use of gutters on home as needed.
7. Site may qualify for other system types.
8. **Issuance of this permit does not supersede authorizations or permits from other permitting agencies. It is the responsibility of the owner to conform to all other applicable permitting authority.**
9. **Permit does not constitute a guarantee of performance or warranty of any kind.**
10. **Additional costs will be incurred for pre-construction meeting and system inspections, which are based on a time and materials basis.**
11. **System to be installed according to manufacturer's specifications.**
12. **No flow reduction shall be allowed without the written consent of the AOWE**
13. **No pumps of any kind prior to the septic tank without prior approval from the AOWE**
14. **Site plan not intended to support any Engineer Option Permit (EOP)**
15. **Horizontal setback distances as shown in 15A NCAC 18E .0601 shall be met.**
16. **Permit shown based on information described in AOWE application. Not responsible for missing/falsified information.**

Soil Profile 2, 3

- 0-10" Mixed fill material
- 10-21" Brown (10YR 5/3) loamy sand, granular, very friable, non-expansive.
- 21-30" Light yellowish brown (10YR 6/4) loamy sand, granular, very friable, non-expansive.
- 30-36" Yellowish brown (10YR 5/6) sandy clay loam, sub-angular blocky, firm, slightly expansive
- 36-54" Yellowish brown (10YR 5/6) sandy loam, sub-angular blocky, friable, slightly expansive with few pale brown (10YR 6/3) loamy sand, granular, very friable, non-expansive lenses.

Soil wetness condition: 54"
LTAR: 0.5

Soil Profile 5

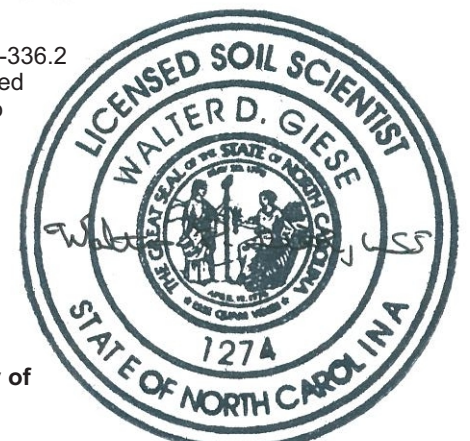
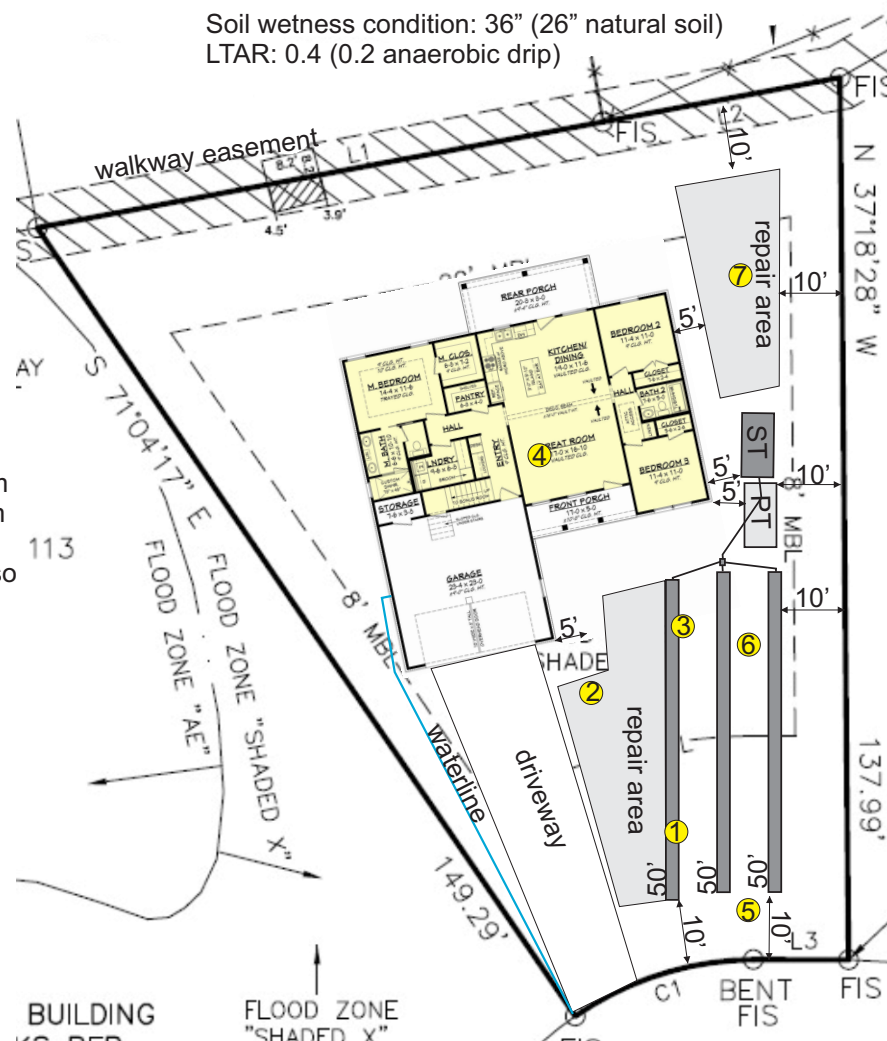
- 0-4" Very dark grayish brown (10YR 3/2) loamy sand, granular, very friable, non-expansive.
- 4-15" Brown (10YR 5/3) loamy sand, granular, very friable, non-expansive.
- 15-48" Yellowish brown (10YR 5/6) sandy loam, sub-angular blocky, friable, slightly expansive.

Soil wetness condition: 48"
LTAR: 0.6

Soil Profile 7


- 0-10" Mixed fill material/disturbed
- 10-20" Brown (10YR 5/3) loamy sand, granular, very friable, non-expansive.
- 20-24" Light yellowish brown (10YR 6/4) loamy sand, granular, very friable, non-expansive.
- 24-36" Yellowish brown (10YR 5/6) sandy loam/sandy clay loam, sub-angular blocky, friable to firm, slightly expansive with light yellowish brown (10YR 6/4) loamy sand lenses.
- 36-48" Yellowish brown (10YR 5/6) sandy clay loam, sub-angular blocky, firm, slightly expansive with yellowish brown (10YR 5/8) and light brownish gray (10YR 6/2) mottles.

Soil wetness condition: 36" (26" natural soil)
LTAR: 0.4 (0.2 anaerobic drip)



3 March 2026

Map adapted from survey by Gairy Canady Surveying dated 5/26/2025.

 <p>Applied Resource Management, P. C. Hampstead, NC 28443</p>	TITLE: 304 Lakeview Court Onslow County, NC		FIGURE: 1
	JOB: 250512	SCALE: 1" = 30'	
		DRAWN BY: DM/GY	