

Soil Profile 1

- 0-4" Very dark gray (10YR 3/1) loamy sand, granular, very friable, non-expansive.
- 4-10" Brown (10YR 4/3) loamy sand, granular, very friable, non-expansive.
- 10-30" Light olive brown (2.5Y 5/4) sandy loam, sub-angular blocky, friable, non-expansive with brownish yellow (10YR 6/6) mottles at 26" and light brownish gray (10YR 6/2) mottles at 28".
- 30-36" Yellowish brown (10YR 5/4) sandy loam/sandy clay loam, sub-angular blocky, friable, slightly expansive with brownish yellow (10YR 6/8) and light brownish gray (10YR 6/2) mottles.

Soil Wetness Condition: 28" (chroma 2)
LTAR 0.5

Soil Profile 2

- 0-4" Very dark gray (10YR 3/1) loamy sand, granular, very friable, non-expansive.
- 4-10" Brown (10YR 4/3) loamy sand, granular, very friable, non-expansive.
- 10-20" Light olive brown (2.5Y 5/4) sandy loam, sub-angular blocky, friable, non-expansive with brownish yellow (10YR 6/6) mottles at 24" and light brownish gray (10YR 6/2) mottles at 26".
- 20-36" Yellowish brown (10YR 5/4) sandy clay loam, sub-angular blocky, friable to firm, slightly expansive with brownish yellow (10YR 6/8) and light brownish gray (10YR 6/2) mottles.

Soil Wetness Condition: 26" (chroma 2)
LTAR 0.5

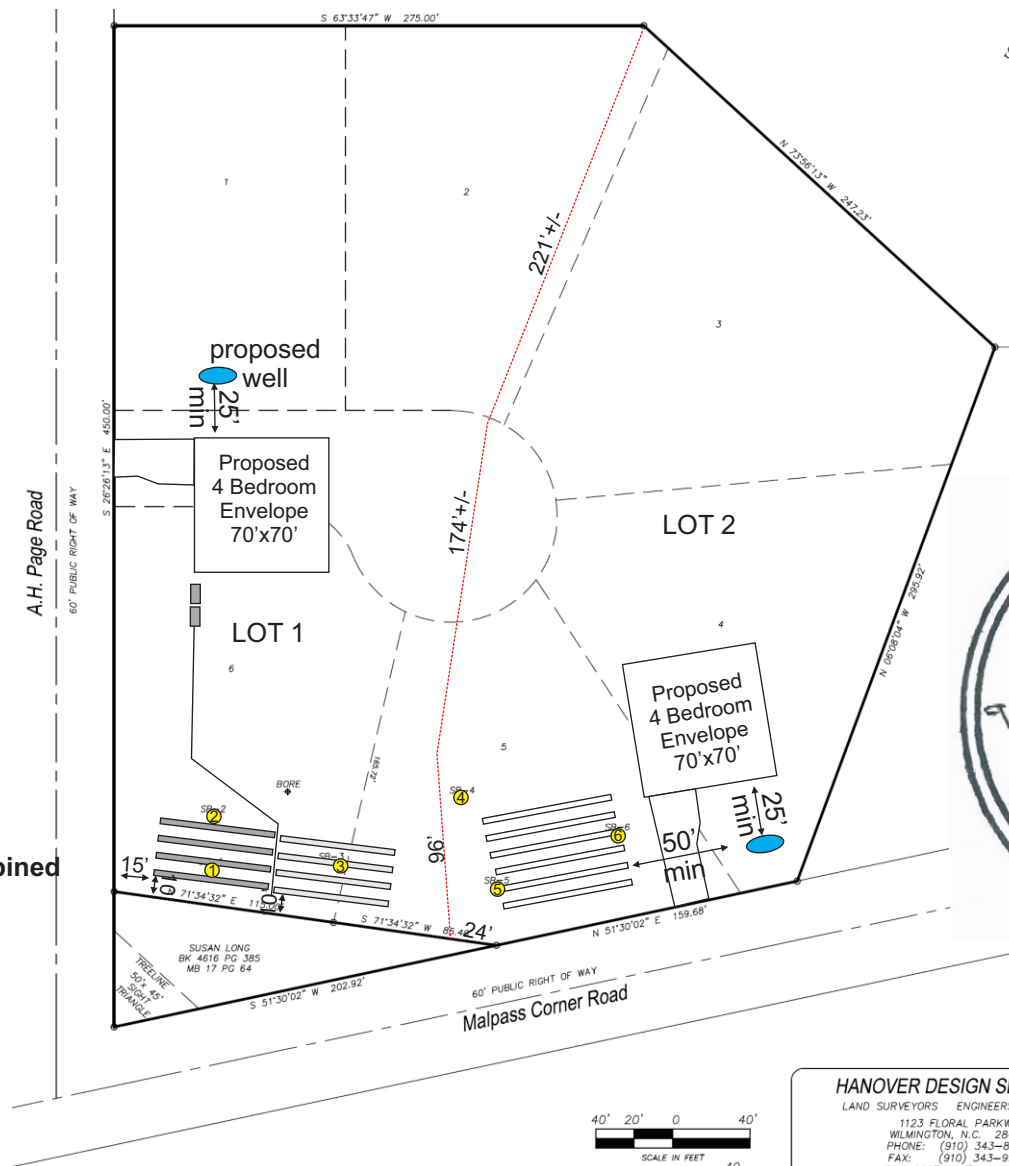
Soil Profile 3

- 0-10" Very dark gray (10YR 3/1) sandy loam, granular, very friable, non-expansive.
- 10-16" Very dark grayish brown (10YR 3/2) sandy loam, sub-angular blocky, friable, non-expansive
- 16-42" Light yellowish brown (2.5Y 6/4) sandy loam, sub-angular blocky, friable, slightly expansive with brownish yellow (10YR 6/6) mottles at 22" and light brownish gray (10YR 6/2) mottles at 24".

Soil Wetness Condition: 24" (chroma 2)
LTAR 0.6

● Soil Boring Location
(located by GEODE GPS)

Lots and road right of way to be legally combined into 2 properties



7 March 2026

System Specifications

4 Bedroom Residence; 480 GPD (Gallons Per Day)
LTAR 0.5


Initial: Install 1,000 gallon septic tank (ST)
Install 1,000 gall pump tank (PT) as needed
720 Sq. Ft. 25% reduction system (reduction shown)
240 Ln. Ft. 25% reduction system (reduction shown)
(4) 3' x 60' nitrification trenches; 9' on center
Trench bottom depth 12"

Repair: 720 Sq. Ft. 25% reduction system (reduction shown)
240 Ln. Ft. 25% reduction system (reduction shown)
(4) 3' x 60' nitrification trenches; 9' on center
Trench bottom depth 12"

Notes:

1. Site was Evaluated using hand augers in accordance with 15A NCAC 18E regulations based on site and soil conditions noted at the time of the evaluation 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 recommended 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 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 supercede authorizations or permits from other permitting agencies. It is the responsibility of the owner to conform to all other applicable permitting authority. Site appears to contain potential wetland areas. It is recommended to have a wetland delineation prior to site specific planning or site modification.**
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.**

Map adapted from previous survey from Hanover Design and Pender County GIS Tax Map, Uinta GPS

| | | | | |
|--|---|------------------|--------------|--------------|
|  <p>Applied Resource Management, P.C. Hampstead, NC 28443</p> | TITLE: Walton Place- Lot 1 Pender County, NC | | FIGURE: 1 | |
| | JOB: 260009 | SCALE: 1" = 100' | DATE: 3/7/26 | DRAWN BY: GY |