

HAL OWEN & ASSOCIATES, INC.

SOIL & ENVIRONMENTAL SCIENTISTS

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11 September 2006

Mr. Oliver Tolksdorf
Harnett County Environmental Health
Harnett County Government Complex
307 Cornelius Harnett Boulevard
Lillington, NC 27546

Reference: Septic System Design
Lot 43 & 44 Recombination, Stone Cross Subdivision

Dear Mr. Tolksdorf,

A site investigation was conducted for the above referenced property located on the southeastern side of Cobblestone Drive, Anderson Creek Township, Harnett County, North Carolina. The purpose of the investigation was to determine the ability of these lots, when combined, to support a subsurface sewage waste disposal system and 100 % repair area for a typical three-bedroom home. It is my understanding that public water supplies will be utilized for this lot. A foundation drain will be possible. A pump to two 115-foot innovative drainlines is the proposed design for the initial septic system. The repair septic system is proposed with a pump to three 75-ft innovative drainlines. Both the initial and repair septic system are proposed with trench bottom depths of 12 inches below ground surface.

Attached is the septic system layout and supporting information for this lot. I trust that this report provides all the information that you require at this time. If you have any questions or need additional information, please contact me at your convenience.

Sincerely,



Laura J. Fortner
Licensed Soil Scientist

Lot 43/44, Stone Cross Subdivision

On-Site Wastewater Design Specifications

House Footprint: 58' x 50' (Foundation Drain Possible)
 Bedrooms: 3 (Daily Flow 360 gallons)

Prepared By: LJJ
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Initial System: Pump Innovative (2 x 115-ft)
 on contour at: 12 inches

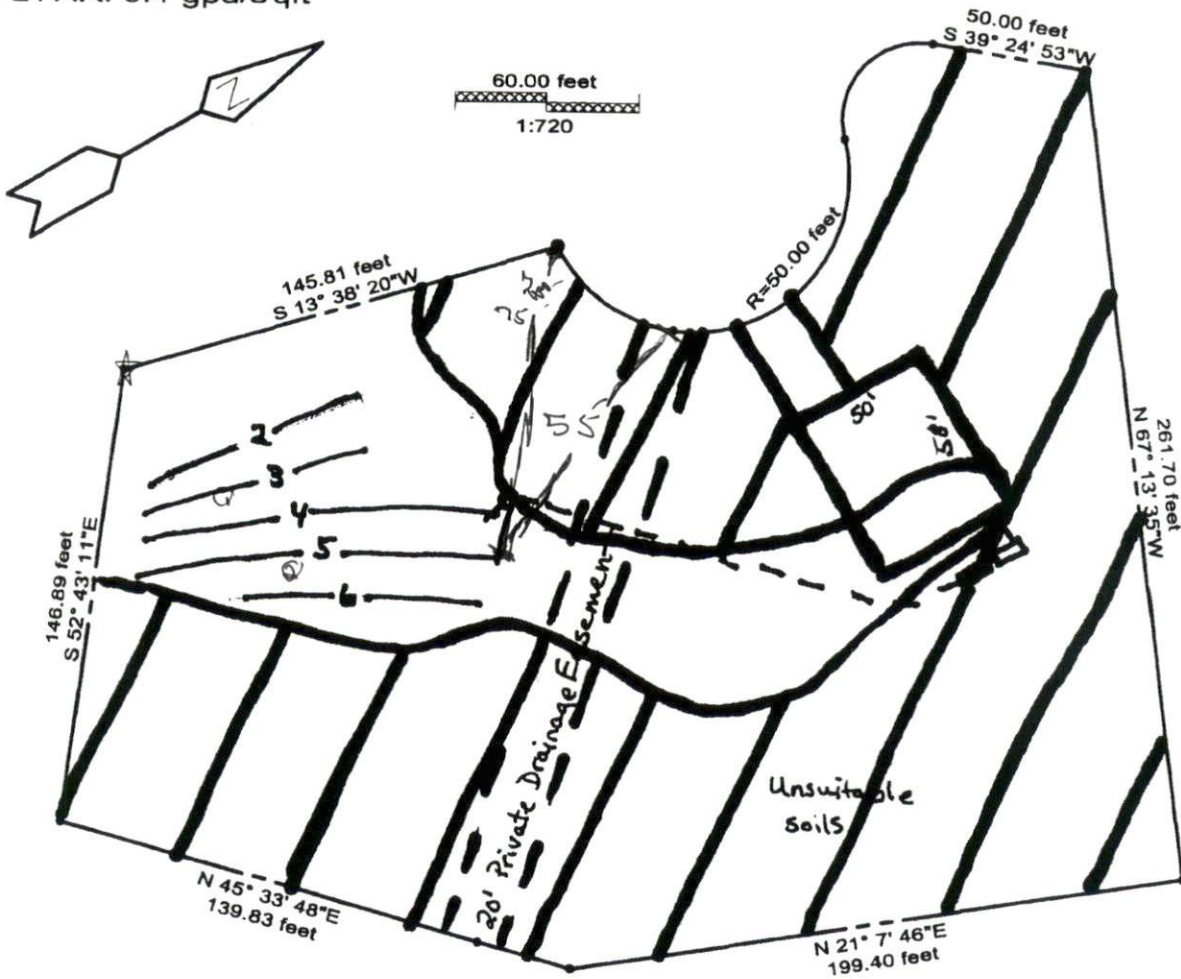
LTAR: 0.4 gpd/sqft

Repair System: Pump Innovative (3 x 75-ft)
 on contour at: 12 inches

LTAR: 0.4 gpd/sqft

LEGEND

- ★ EIP
- Step-down
- ⊙ Proposed Well
- ⊗ Existing Well
- Septic Tank
- Pump Tank
- D-Box
- ⋈ Pressure Manifold



Lines flagged at site on 9-ft centers.

| Initial/Repair | Line # | Color | Drainline Length(ft) | Measured Field Line Length (ft) | Relative Elevation (ft) |
|----------------|--------|-------|----------------------|---------------------------------|-------------------------|
| N/A | 1 | B | 0 | 50 | 98.36 |
| Repair | 2 | W | 75 | 80 | 96.99 |
| Repair | 3 | R | 75 | 111 | 95.8 |
| Initial | 4 | Y | 115 | 128 | 94.53 |
| Initial | 5 | B | 115 | 134 | 93.28 |
| Repair | 6 | W | 75 | 82 | 92.18 |
| Total: | | | 455 | 585 | EIP = 100 |