



A facsimile from

**SOUTHEASTERN SOIL &
ENVIRONMENTAL**

Mike Eaker
910-822-4540

To: Bryan McSwain
Fax number:

Date: 10/15/07

Regarding: Cale Barnes, Popes Lake

Comments:

Bryan,

I have designed a new system for C. Barnes trying to allow space behind his home. I used your repair as the initial and pumped new repair to front. The well in front is to be abandoned. Please field review & let Cale Barnes know if you concur.

ME

Southeastern Soil & Environmental Associates, Inc.

P.O. Box 9321
Fayetteville, NC 28311
Phone/Fax (910) 822-4540
Email mike@southeasternsoil.com

MEMO (12/15/2008)

To: Bryan McSwain

From: Mike Eaker 

Re: Cale Barnes Property, Popes Lake, Phase III, Lot 3

As we discussed and observed, there has been some filling and other grading in the back yard portion of this property. This activity appears to have caused water flow from the adjoining property to be channeled near the left side property line (if you are facing the house).

It is my opinion that the water flow is intermittent and would only require a 25 foot setback under current rules.

I trust this is the information you require at this time.

CALC BARNES

SOUTHEASTEN SOIL & ENVIRONMENTAL ASSOC, INC.

PROPOSED SUBSURFACE WASTE DISPOSAL SYSTEM DETAIL SHEET

SUBDIVISION Paper Lake III

LOT 3

INITIAL SYSTEM Approved 25% reduction

REPAIR Approved 25% reduction

DISTRIBUTION D-box (gravity)

DISTRIBUTION serial

BENCHMARK 100.0

LOCATION Mail in town

NO. BEDROOMS 3

proposed UTA repair = 0.4 gal/ft²

<u>LINE</u>	<u>FLAG COLOR</u>	<u>ELEVATION</u>	<u>ACTUAL LENGTH</u>
1	O	102.50	80'
2	B	102.17	80'
3	Y	101.84	60'
4	O	101.17	40'
			<u>260'</u>
5	O	100.75	100'
6	B	99.84	100'
7	O	99.47	100'
			<u>300'</u>

Initial

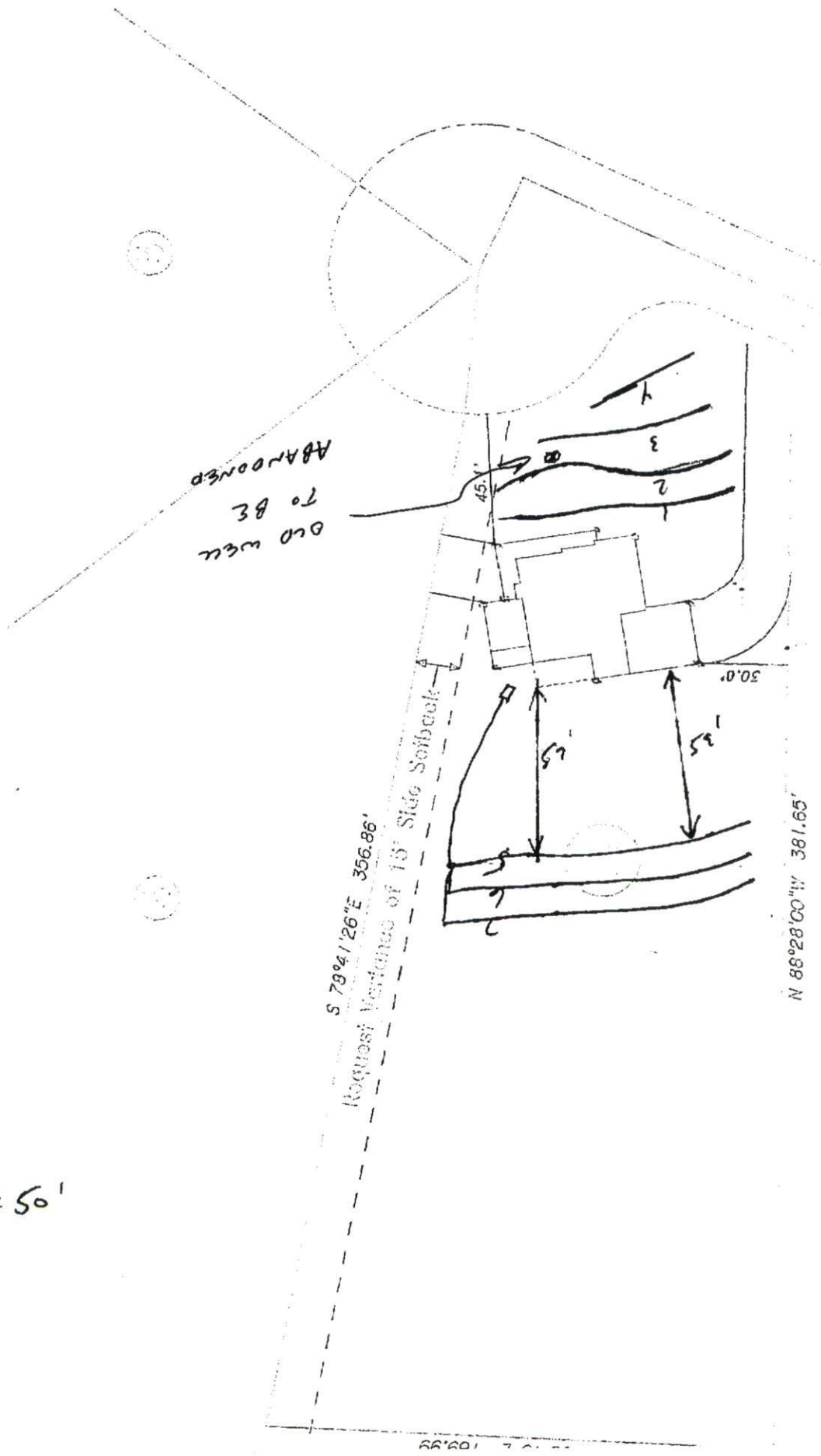
BY M EAKER

DATE 10/2007

* NOTE WELL IN FRONT MUST BE PROPERLY ABANDONED

Lot 3, Piper Lake Phase II
Map 10-10

1" = 50'



HTE# C7-5-18249A

Harnett County Department of Public Health 24128

Improvement Permit

A building permit cannot be issued with only an Improvement Permit

ISSUED TO: Harold Cole Barnes PROPERTY LOCATION: SR 1566 Popeshak Rd
 NEW REPAIR EXPANSION SUBDIVISION: Popes Lake LOT # 3
 Type of Structure: SFD 69x50 Site Improvements required prior to Construction Authorization Issuance:
 Proposed Wastewater System Type: Accepted System w/pump
 Projected Daily Flow: 360 GPD
 Number of bedrooms: 3 Number of Occupants: 6 max
 Basement Yes No
 Pump Required: Yes No May be required based on final location and elevations of facilities
 Type of Water Supply: Community Public Well Distance from well _____ feet Permit valid for: Five years
 Permit conditions: _____ No expiration

Authorized State Agent: Diana McSwain, R.S. Date: 10/1/2007 SEE ATTACHED SITE SKETCH
 The issuance of this permit by the Health Department in no way guarantees the issuance of other permits. The permit holder is responsible for checking with appropriate governing bodies in meeting their requirements. This site is subject to revocation if the site plan, plat, or the intended use changes. The Improvement Permit shall not be affected by a change in ownership of the site. This permit is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to conditions of this permit.

Construction Authorization

(Required for Building Permit)

The construction and installation requirements of Rules .1950, .1952, .1954, .1955, .1956, .1957, .1958, and .1959 are incorporated by references into this permit and shall be met. Systems shall be installed in accordance with the attached system layout.

ISSUED TO: Harold Cole Barnes PROPERTY LOCATION: SR 1566
 SUBDIVISION: Popes Lake LOT # 3
 Facility Type: SFD 69x50 New Expansion Repair
 Basement? Yes No Basement Fixtures? Yes No
 Type of Wastewater System** Pump to Accepted System (Initial) Wastewater Flow: 360 GPD
 (See note below, if applicable) Accepted System (Repair)

Installation Requirements/Conditions

Septic Tank Size 1000 gallons Exact length of each trench 3x100 feet Trench Spacing: 9 Feet on Center
 Pump Tank Size 1000 gallons Trenches shall be installed on contour at a Soil Cover: 6 inches
 Maximum Trench Depth of: 12 inches (Maximum soil cover shall not exceed
 (Trench bottoms shall be level to +1/4" 36" above the trench bottom)
 in all directions)
 Pump Requirements: _____ ft. TDH vs. _____ GPM _____ inches below pipe
 Aggregate Depth: _____ inches above pipe
 Conditions: Run drainliner on contour & NO DEEPER than 12 inches _____ inches total
System will need 6 inches of cover. Well inlet must be filled in

**If applicable: I understand the system type specified is different from the type specified on the application. I accept the specifications of this permit.

Owner/Legal Representative Signature: _____ Date: _____

This Construction Authorization is subject to revocation if the site plan, plat, or the intended use changes. The Construction Authorization shall not be transferred when there is a change in ownership of the site. This Construction Authorization is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to the conditions of this permit.

Authorized State Agent: Diana McSwain, R.S. Date: 10/1/2007 SEE ATTACHED SITE SKETCH
 Construction Authorization Expiration Date: 10/1/2012

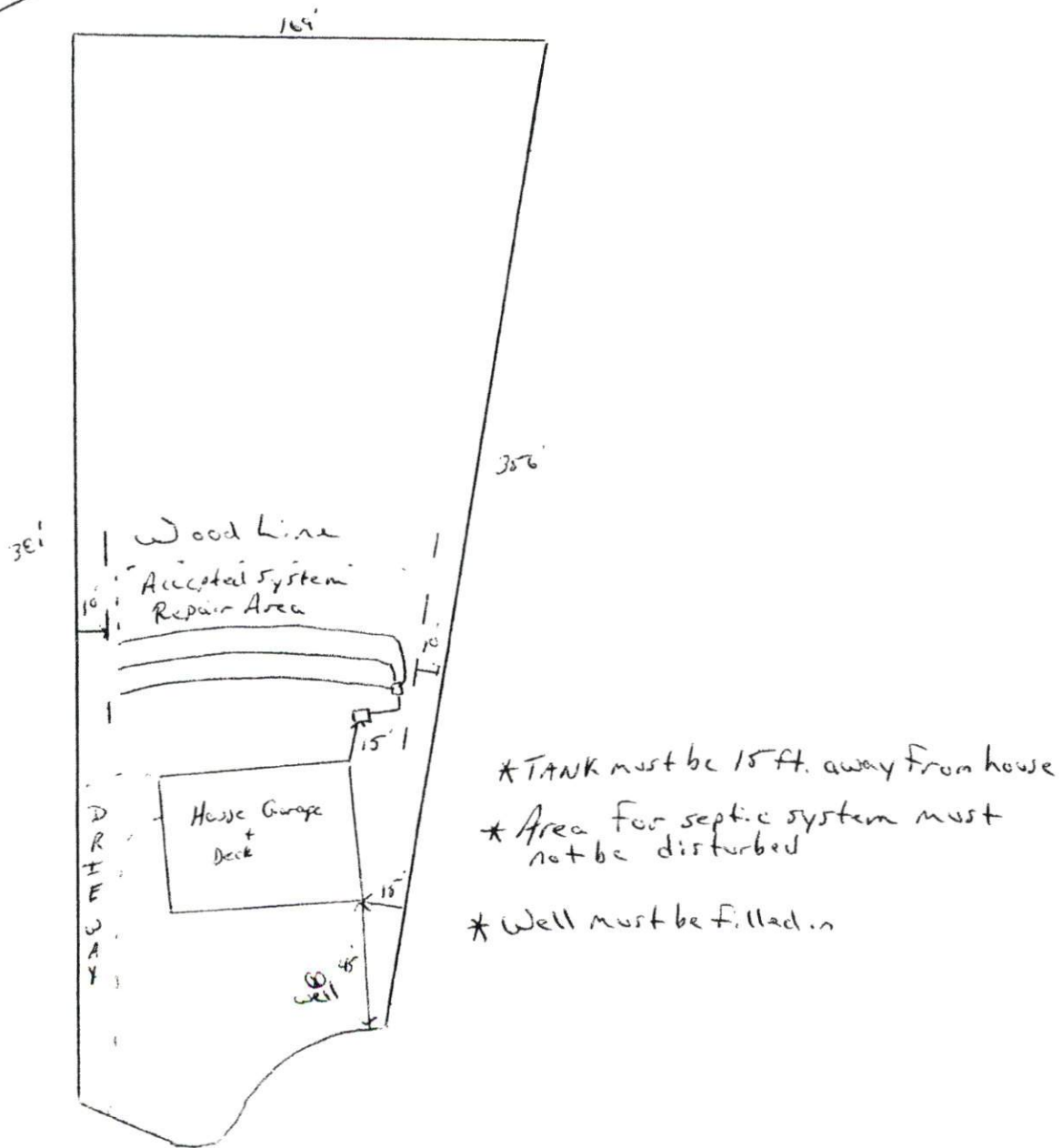
HTE# 07-5-18249L

Permit # 24128

Harnett County Department of Public Health Site Sketch

ISSUED TO: Harold Cole Barnes PROPERTY LOCATOR: SE1566 Popishake Rd.
SUBDIVISION Popishake LOT # 3

Authorized State Agent: [Signature] Date: 10/1/2007



- * TANK must be 15 ft. away from house
- * Area for septic system must not be disturbed
- * Well must be filled in