

HTE# 11-5-26059R

Harnett County Department of Public Health Improvement Permit

26991

A building permit cannot be issued with only an Improvement Permit

ISSUED TO: SOUTHEASTERN PROPERTIES PROPERTY LOCATION: ROSSER PITMAN RD
 NEW REPAIR EXPANSION SUBDIVISION: PITTMAN CROSSING LOT # 4
 Type of Structure: SFO (44x44) Site Improvements required prior to Construction Authorization Issuance:
 Proposed Wastewater System Type: 25% REDUCTION SYSTEM
 Projected Daily Flow: 480 GPD
 Number of bedrooms: 4 Number of Occupants: 8 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 100 feet Permit valid for: Five years
 Permit conditions: No expiration

Authorized State Agent: [Signature] Date: 4/24/12 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: SOUTHEASTERN PROPERTIES PROPERTY LOCATION: ROSSER PITMAN RD
 Facility Type: SFO (44x44) New Expansion Repair
 Basement? Yes No Basement Fixtures? Yes No
 Type of Wastewater System** 25% REDUCTION SYSTEM (Initial) Wastewater Flow: 480 GPD
 (See note below, if applicable
25% REDUCTION (Repair)

Installation Requirements/Conditions

Number of trenches 1
 Septic Tank Size 1000 gallons Exact length of each trench 340 feet Trench Spacing: 9 Feet on Center
 Pump Tank Size _____ gallons Trenches shall be installed on contour at a Soil Cover: 6 inches
 Maximum Trench Depth of: 18 inches (Maximum soil cover shall not exceed 36" above the trench bottom)
 (Trench bottoms shall be level to +/- 1/4" in all directions)
 Pump Requirements: _____ ft. TDH vs. _____ GPM _____ inches below pipe
 Aggregate Depth: _____ inches above pipe
 Conditions: PERMIT BASED ON SOILS WORK, AN ON SITE MEETING, AND PROPOSAL FROM APPLICANTS SOIL SCIENTIST. _____ inches total

WATER LINES (INCLUDING IRRIGATION) MUST BE 10FT. FROM ANY PART OF SEPTIC SYSTEM OR REPAIR AREA.
NO UTILITIES ALLOWED IN INITIAL OR REPAIR DRAIN FIELD AREA.

**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. SEE ATTACHED SITE SKETCH

Authorized State Agent: [Signature] Date: 4/24/12
 Construction Authorization Expiration Date: 4/24/17

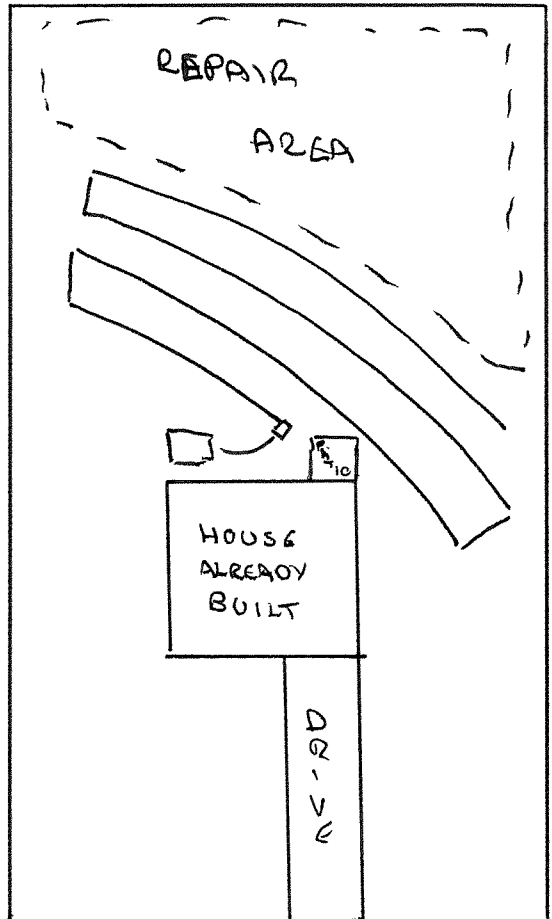
HTE# 11-5-26059R

Permit # 26991

Harnett County Department of Public Health Site Sketch

ISSUED TO: ~~SOUTHERS SIGN PROPERTIES~~ PROPERTY LOCATOR: ROSSER PITTMAN RD
SUBDIVISION PITTMAN CROSSING LOT # 4

Authorized State Agent: ~~[Signature]~~ REHS (OLIVER TOLKSOFF) Date: 4/24/12



Southeastern Soil & Environmental Associates, Inc.

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

April 23, 2012

Mr. Oliver Tolksdorff
Harnett County Health Department
307 Cornelius Harnett Blvd.
Lillington, NC 27546

Re: Hydraulic conductivity (Ksat) analysis for proposed LTAR, Pittman Crossing
Subdivision, Lot 4, Harnett County, North Carolina

Dear Mrs. Tolksdorff,

An evaluation of soil and hydraulic conductivity (Ksat) has been conducted on the
aforementioned property. The purpose of the investigation was to determine soil
absorption rates for a proposed gravelless septic system to serve a 4 bedroom single
family residence. All ratings and determinations were made in accordance with "Laws
and Rules for Sanitary Sewage Collection, Treatment, and Disposal, 15A NCAC 18A
.1900".

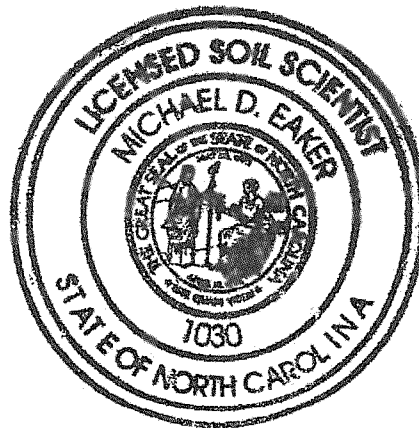
One compact constant head permeameter (CCHP) measurement was made to determine a
Ksat rate at a depth 28 inches. The Ksat measurement in the Bt horizon was 2.20 cm/hr.
This equates to 3.62 gpd/sq.ft. Using 10% of this average (typical for systems without
pretreatment), the Ksat measured equates to 0.362 gpd/sq.ft.

Our system is based on a proposed 0.36 gpd/sq. ft. Based on this measured rate, these
soils should allow for sufficient drainage from the proposed system.

Sincerely,



Mike Eaker
President



Revised 4/20/12

SOUTHEASTERN SOIL & ENVIRONMENTAL ASSOC., INC.

PROPOSED SUBSURFACE WASTE DISPOSAL SYSTEM DETAIL SHEET

SUBDIVISION PITMAN CROSSING LOT 4
 INITIAL SYSTEM APPROVED 25% REDUCTION REPAIR APPROVED 25% REDUCTION
 DISTRIBUTION SERIAL DISTRIBUTION SERIAL
 BENCHMARK 100.0 LOCATION NEAR CORNER 4/5
 NO. BEDROOMS 4 PROPOSED LTAR 0.36 gal/ft²

LINE	FLAG COLOR	ELEVATION	LENGTH (FT)
1	W	104.92	40'
2	R	104.08	100'
3	W	103.42	100'
4	R	102.92	102'
			<u>342'</u>
5	W	102.67	100'
6	O	102.34	85'
7	Y	101.84	70'
8	B	101.50	55'
9	Y	101.17	40'
			<u>350'</u>

Initial system

BY M. EAVEN

DATE 04/20/12

TYPICAL PROFILE

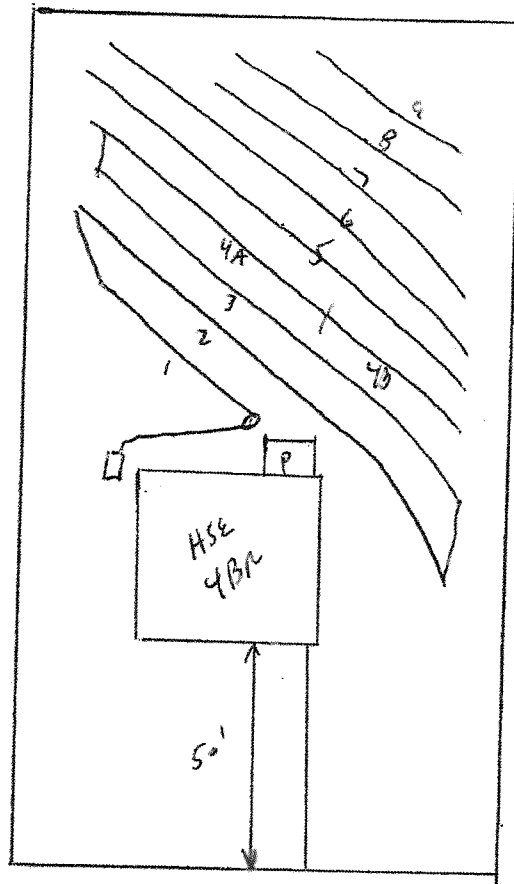
0-12 LS (V.P. wgr)
12-40 SCL (F_c 10k)
or 2-34"
PITMAN AT 10"

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PITTMAN CROSSING
LOT 4

PROPOSED SEPTIC
LAYOUT



ROAD

1" = 40'