

Improvement Permit

A building permit cannot be issued with only an Improvement Permit

ISSUED TO: John + Karen Newkors PROPERTY LOCATION: Hwy 42
 NEW REPAIR EXPANSION SUBDIVISION Buckhorn Farms LOT # 4
 Type of Structure: Ex MOD Site Improvements required prior to Construction Authorization Issuance: _____
 Proposed Wastewater System Type: 25% REDUCTION
 Projected Daily Flow: 480 GPD
 Number of bedrooms: 4 Number of Occupants: 8 max
 Basement Yes No 1/2 Basement
 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: [Signature] Date: 12-1-15 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: John + Karen Newkors PROPERTY LOCATION: Hwy 42
 SUBDIVISION Buckhorn Farms LOT # 4
 Facility Type: Ex MOD 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 System (Repair)
Installation Requirements/Conditions
 Septic Tank Size 1200 gallons Number of trenches 1
 Pump Tank Size _____ gallons Exact length of each trench 350 feet Trench Spacing: ? Feet on Center
 Trenches shall be installed on contour at a Soil Cover: 6 inches
 Maximum Trench Depth of: 18" 20" 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 Aggregate Depth: 6 inches below pipe
 _____ inches above pipe
 Conditions: Follow Consultants Layout 12 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: 12-1-15
 Construction Authorization Expiration Date: 12-1-20

HTE# 15-5-36609.2

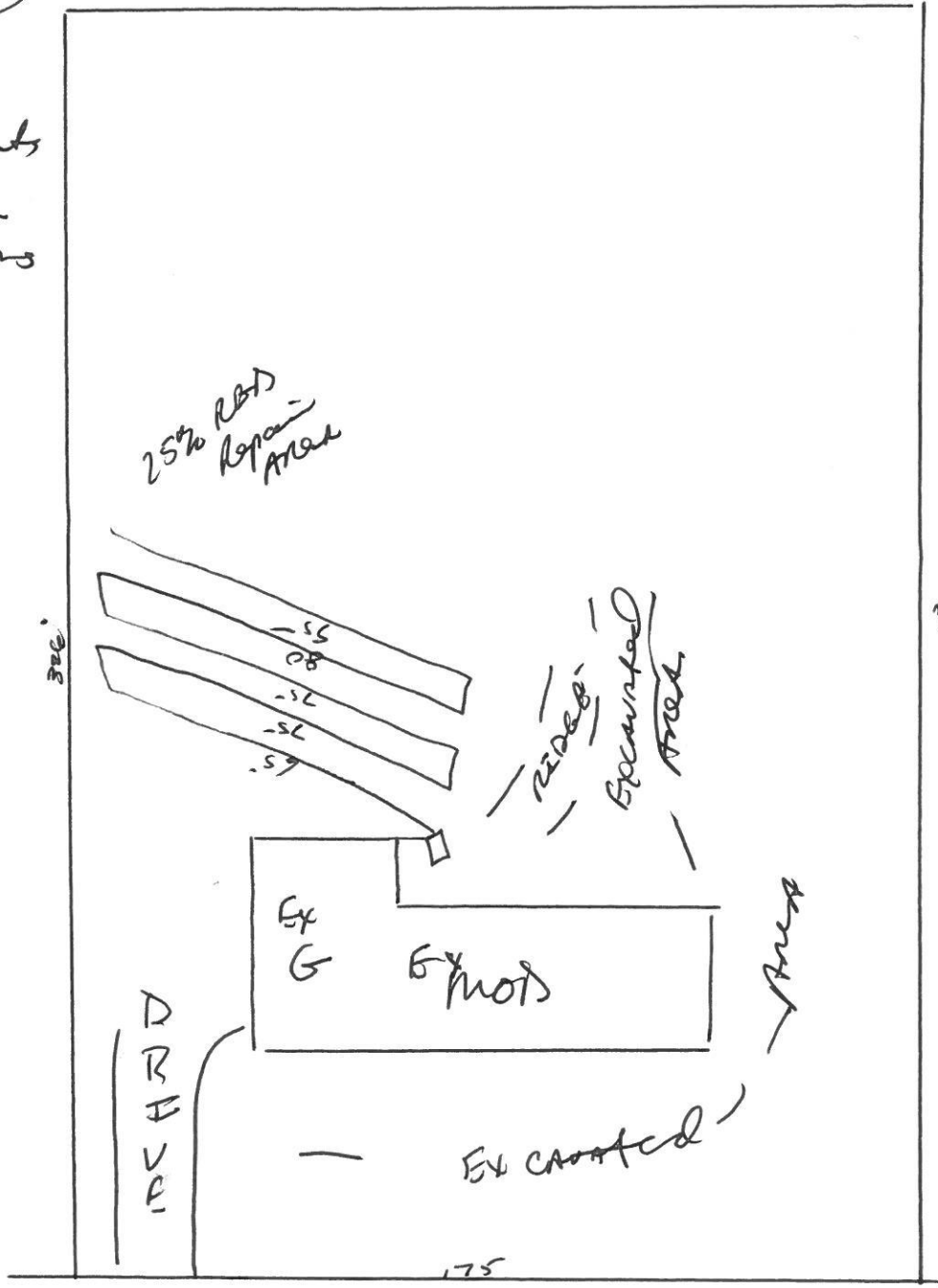
Permit # 28599

Harnett County Department of Public Health Site Sketch

ISSUED TO: John + Karen Newhouse PROPERTY LOCATOR: Hwy 42
SUBDIVISION: Buckhorn Farms LOT # 11

Authorized State Agent: James E. Mordant Date: 12-1-15

* See consultants
layout for
any questions



Pond Valley LN

0 NC HWY 42

POND VALLEY LN
(50' PRIVATE EASEMENT)

S 28°11'56" E
175.00'

DRIVEWAY

53.00'

NEW MODULAR PORCH

PORCH & DECK

GARAGE

41.54'

33.00'

32.00'

60'

75'

75'

80'

90'

106'

110'

125'

100'

60'

Initial System
• 353/A2
345' Chamber

Repair System
• 39/A2
400' Chamber

NTS

N 61°48'02" E

DIVERT SURFACE WATER

SURFACE WATER

N 23°06'03" W
169.04'

SITE EVALUATION REPORT

Date: 11/21/15

Owner: John and Karen Newhouse

LOCATION: Lot # 11 Buckhorn Farms Harnett County, NC

Project: Redesign of original improvement permit issued by Harnett County Environmental Health due to change in house design, and site disturbance of soil in original septic system area.

Site Evaluation

Soil profiles identified an area of provisionally suitable soil that should support the initial and repair area for a shallow placed conventional septic system for a four bedroom home. The slope in the initial installation area is between 8 to 10 %. The soil depth ranges from 30 to 36 inches of sandy clay loam to silty clay loam. The LTAR should range between .3 and .4 g/ft². The slope in the repair area is between 6 to 8%. The soil depth ranges from 28 to 36 inches of silty clay loam to silty clay saprolite mix soil. The LTAR in the repair area should range between .25 and .35 g/ft². Available space is an issue on this site and a 25% reduction system such as chamber technology must be utilized.

Surface water needs to be diverted away from the septic system area by the use of diversion ditches or swales. Gutters are needed on the house to divert roof water away from the system. System area should be landscaped to keep water from ponding over drain field area and vegetative cover established to prevent erosion. No vehicular traffic or heavy equipment should be driven over drain field area.

These determinations were made in accordance with Article 11, Chapter 130A of NCGS, 15A NCAC 18A .1900 Laws and Rules for Sewage Treatment, and Disposal Systems. Due to variations in citing specific uses and potential for changes in regulations or soil conditions issuance of an improvement by the Harnett County Health Department is not guaranteed.

Report submitted by:



James Shackleton REHS #732



Jerry Yarborough Licensed Soil Scientist

ECS/ Environmental Consulting Service
3689 Buckhorn Road Sanford, Nc 27330
919-258-5310

