

NO 12495

**Environmental Health Section  
Beaufort County Health Department  
220 N. Market St.  
Washington, North Carolina 27889  
(252) 946-6048 / Fax (252)946-2074**

- ☒ New Construction  
☐ Repair  
☐ Flow Addition

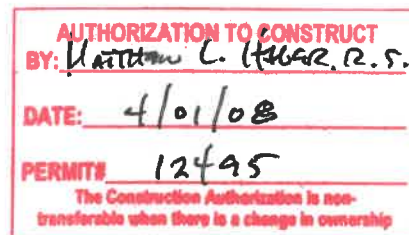
**Improvements Permit**

**A Building Permit cannot be issued with only an Improvement Permit**

\*Improvements permit is valid for five years from the date of issue.

Owner: Don Edwards Phone: 946-8633Address: 201 E 14th StreetSubdivision: Edgewater Estates Lot Number: 10State Road Number: 1315 Directions: River Road T/R into Edgewater Estates10-DIGIT PIN 5694-37-9828Property Size: 3.5a Type Structure: HouseDesign Flow: 360 No. Bedrooms 3 No. People: 3Water Supply: ☒ Public ☐ Private (Maintain minimum 10 feet separation  
From any part of septic system and repair area.)Classification: ☐ Suitable ☒ Provisionally Suitable ☐ PS with fillAdditional Drainage: Landscape system area to shed surface waterSeasonal Wetness Condition: 36" Soil Type II System Type IIIbSeptic Tank: 1000 gal. Pump Tank: 1000 gal.Pump Required: ☒ Yes ☐ No ☐ May be required based upon final location & elevation of facilities.Nitrification Field: 630 square feet trench bottomTrench Depth: 18" Fill Depth: N/AComments: Set 1000gal septic tank, 1000gal pump tank, and install 3 lines (3' x 70") conventional rock trenches for initial and repairMaintain setbacks; use soil cloth

See attachments for site plan and pump specifications



Site Plan

The issuance of this permit by the Health Dept. 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 permit is subject to revocation if the site plan, plat, or the intended use changes, or site alterations occur. 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.

Additional for all systems: Landscape system area for surface water runoff and grass. Do not place drive or any building over the system area or repair area. Observe all proper setbacks (15A NCAC 18A .1950). Do not work soil or install in wet conditions. This permit must be on site during installation and inspection.

Authorized State Agent: Matthew C. Hagar, R.S. Date: 4/01/08

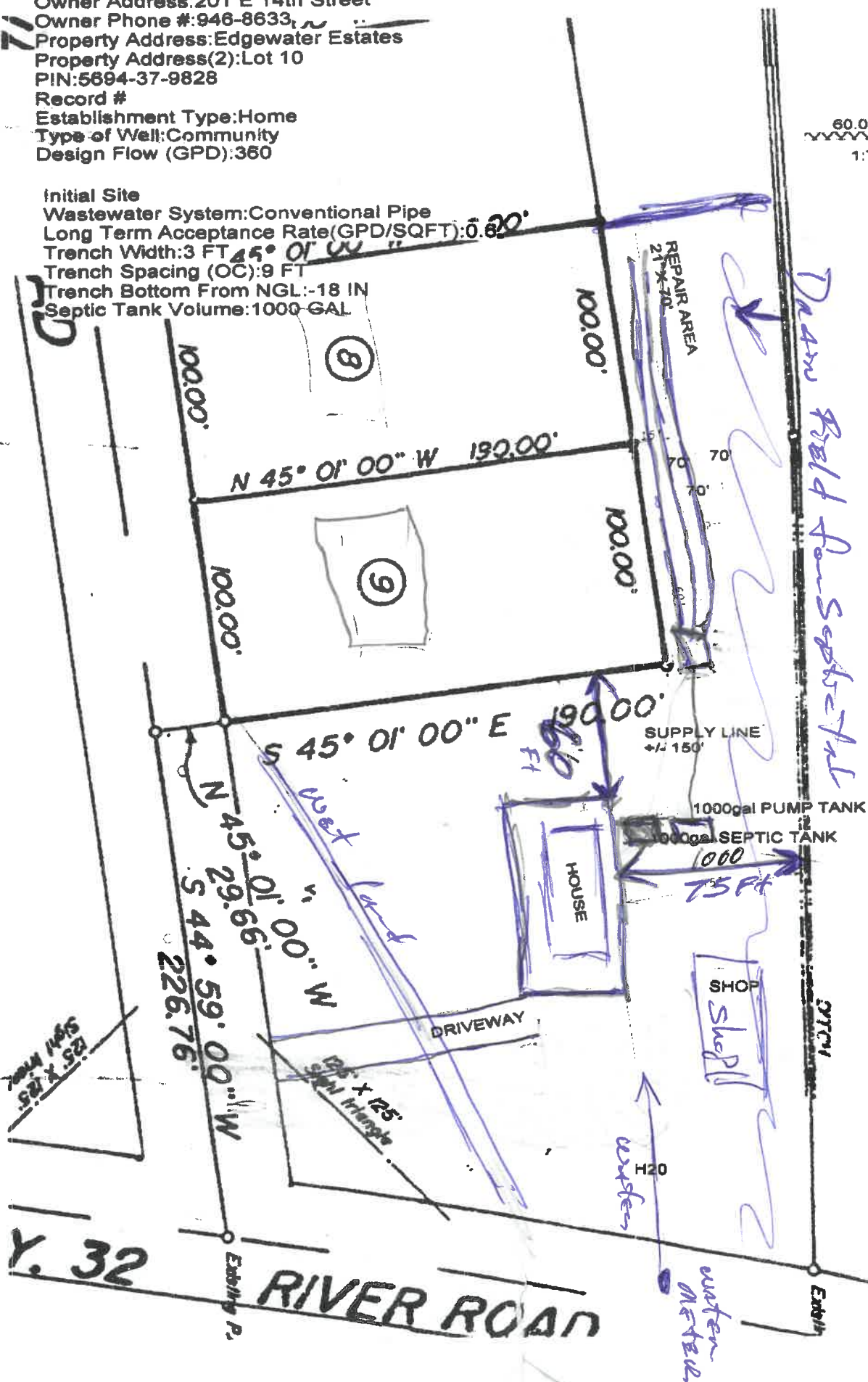
White Owner/Contractor Yellow - Health Department Pink Building Inspections

Initial Site  
Wastewater System: Conventional Pipe  
Long Term Acceptance Rate (GPD/SQFT): 0.82  
Trench Width: 3 FT 4.5" OF 6" 4.5"  
Trench Spacing (OC): 9 FT  
Trench Bottom From NGL: -18 IN  
Septic Tank Volume: 1000 GAL

1:720

W. G. R. S.

Date 4/1/2008





BEAUFORT COUNTY HEALTH DEPARTMENT  
Environmental Health Section

**PUMP MANIFOLD SYSTEM REQUIREMENTS**

The pressure manifold pump system permitted for this site shall consist of the following:

1000 gallon capacity septic tank  
1000 gallon capacity pump tank

- A water tight riser to extend a minimum of 6 inches above finished ground surface, covered with a water tight lid to afford easy access to the pump and fittings.

**Force Main (supply line):**

- Schedule 40, 2" diameter, approximately 150 linear feet.

**Manifold:**

- Schedule 40, 3" diameter, 21 linear feet in length, with a turnup at the ends high enough to adjust the pressure head of the system.

**Lateral Connections:**

- Schedule 40, \_\_\_\_\_ diameter, with a 1/2" diameter orifice. The lateral connections shall provide a two foot separation between the manifold and the beginning of the trench.

**System Requirements:**

- The system shall consist of 3 nitrification trenches 70 feet in length each, installed 18 inches below the natural ground surface or below top of required fill on permit.

**Pump Requirements:**

- A UL listed or equivalent submersible effluent pump capable of handling at least one-half inch solids and designed to meet the discharge rate or 21.34 gpm and a total dynamic head(TDH) of 8.37 feet.
- The drawdown of the system shall be 4 inches and the pump run time shall be 4 minutes.
- Sealed mercury control floats to regulate pump cycles and high water alarm. The floats shall be attached to a "float tree" which is separate from the pressure piping inside the tank, and is removable to facilitate maintenance of the system.
- The alarm system shall be audible and visible to the system user and in a weatherproof enclosure if installed outdoors ( NEMA 4X panel) . The alarm and the pump shall be wired on separate electrical circuits. For systems with only one pump, a minimum of two separate circuits shall be provided to the control panel. The panel shall also allow for manual operation of the pump and a method to test the alarm.
- Electrical connections and components for pump shall be inspected by the Beaufort County Building Inspections Department prior to final approval of installation. Contact the building inspections to ensure proper elevation of electrical components.
- Electrical power must be provided to the pump at the time of inspection in order to check proper functioning of the system prior to the issuance of an operation permit.