



Brunswick County Environmental Health Services

BCHS File Number: 2005065408A

Onsite Wastewater

Tax Parcel: 217LA012

New  Revision  Repair

Owner's Name: Fred Fiss GREENHARMONY INC

Property Address: 749 MALLARD CT SE 28422

Subdivision: River Run Plantation

Lot: 12

Block: Section: 5

Water Supply:  Public Water or  Private Water Project Type:  Residential or  Commercial Design Flow (GPD): 360

Construction Authorization

In accordance with the provisions of North Carolina General Statutes 130A 333-345, 15A NCAC 18A.1900, or 15A NCAC 18E, and other Laws and Rules, as applicable.

Required Effluent Standard:  DSE  HSE  NSF/ANSI 40  TS-1  TS-II  RCW

The following conditions must be met prior to the issuance of the Operation Permit:

- The location and identification of all property lines, easements, and utilities shall be the responsibility of the installer and/or owner.
• An Operation Permit shall be issued by Brunswick County Environmental Health Services (BCHS) prior to placing the system in use.
• Maintain 10 feet minimum to any waterline. If applicable, the requirements of 15A NCAC 18E.0601(e) may be met.
• The septic system shall be installed in a timely manner and staged to avoid unnecessary exposure to weather.
• Maintain the following setback to any well:  50 feet or  100 feet
• Final landscaping shall be constructed to divert water and establish vegetative cover.
• The system shall be installed in accordance with the approved set of plans and specifications. Failure to do so may result in delay or refusal of final approval of the system and may render the permit null and void.
 Prior to the installation of the wastewater system, a conference shall be held onsite with the following representatives present:
 Wastewater Installer  Owner  Applicant  Engineer  Other:
 Barriers shall be installed, in accordance with BCHS Barrier Policy.
 The contractor is responsible for notification of BCHS and the engineer for system inspection in stages, prior to backfilling any portion of the system. No portion of the system shall be backfilled or placed into use without prior approval of BCHS.
 The forcemain(s) shall maintain an 18" separation below the existing water line(s). If applicable, the requirements of 15A NCAC 18E.0601(l)(m) may be met.
 Forcemain(s) shall be installed at least 30" below the soil surface.
 25% reduction taken. Installer shall utilize an approved trench product that allows a 25% reduction in linear feet.
 The existing septic tank(s) and/or pump tank(s) shall be properly abandoned.
 Shallow Placement: The final 6 inches of soil cover shall be installed in accordance with the soil cover plan, inspected by BCHS, and approved by BCHS.
 Fill System: The final 6 inches of soil cover, seed, and straw shall be inspected and approved by BCHS.
 Drainlines shall be installed on contour.
 Low flow technology: Neither the State nor local health department shall be liable for any damages caused by an engineered system approved or permitted pursuant to Session Law 2014-120 Section 53.
 The engineer shall submit in writing to BCHS that the system construction is complete and in accordance with the approved plans.
 The owner and a Public Management Entity/Subsurface System Certified Operator shall execute a contract which addresses all of the requirements for maintenance, monitoring, schedule and operation, and reporting in 15A NCAC 18A.1961 or 15A NCAC 18E.1301, as applicable. This information will be a part of the Operation Permit for the facility. Provisions of said contract shall be in effect for as long as the system is in use. Management of the wastewater system should be provided at all times.
 Other:
 Other:
• Changes in the location, design flow, or wastewater strength of the wastewater system may result in permit action.
• The issuance of all BCHS permits do not preclude the permittee from complying with any and all statutes, regulations, and ordinances which may be imposed by other government agencies which have jurisdiction, or other permits issued by BCHS.
• BCHS permits may become invalid if the information submitted in the application was falsified, changed, and/or inaccurate.

Construction Authorization Issuance Date: 2/19/25 Construction Authorization Expiration Date: 2/19/30

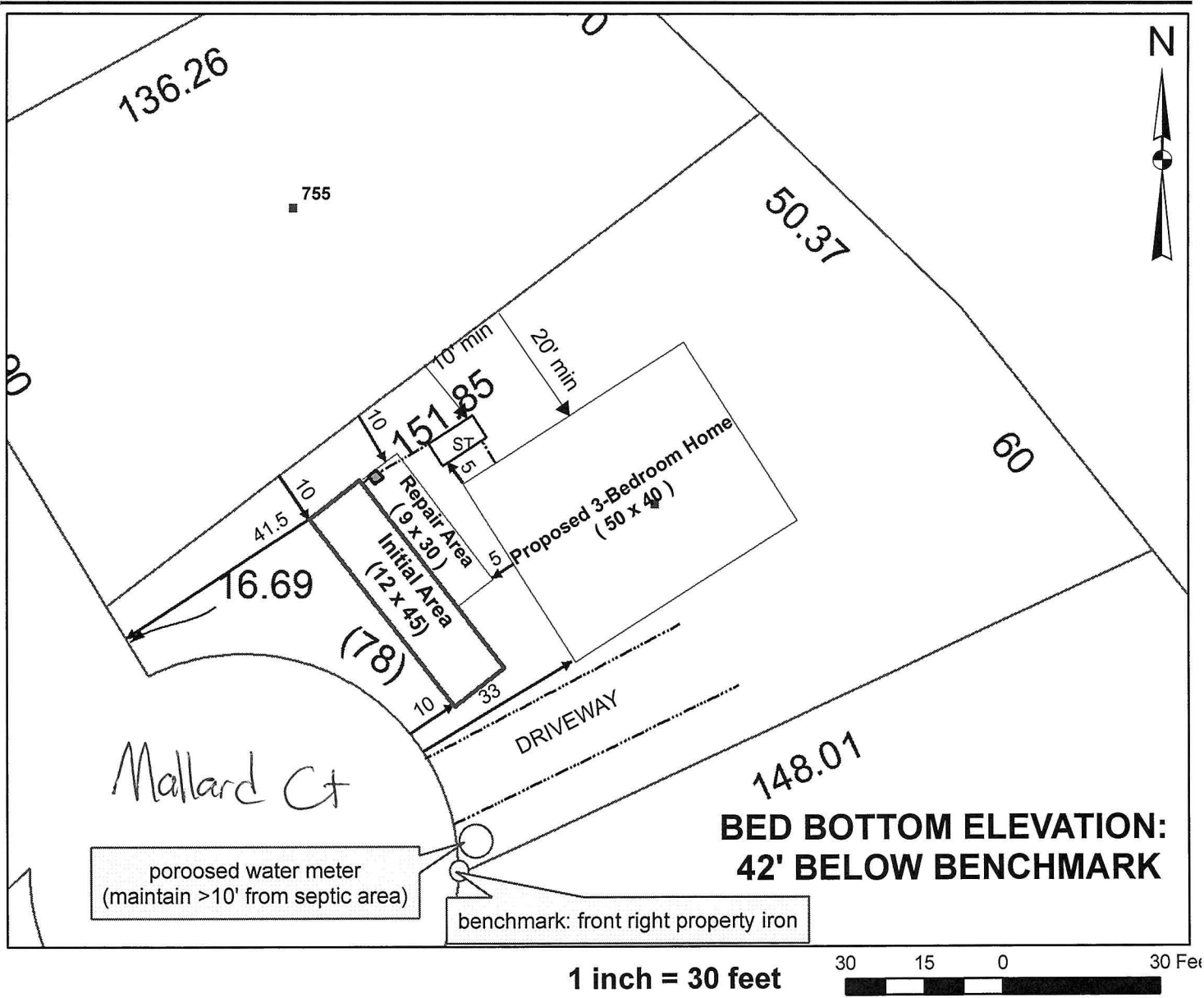
REHS Signature: [Signature] REHS Registration Number: 3409

\*See Construction Authorization Permit Site Plan and Conditions for Septic System Location for Further Details\*



- Improvement Permit
- Existing System Approval
- Fill Plan
- Well Permit
- Proposal
- Well Abandonment Permit
- Authorization to Construct Permit
- Other: \_\_\_\_\_

**\*SITE PLAN ONLY. THIS IS NOT A PERMIT\***



Onsite Wastewater System Design Criteria

|  |  |
|--|--|
| Type of Initial Wastewater System: <u>2A - Bed</u>                   | Number of Occupants/Employees (Max): <u>6</u>                        |
| Number of Bedrooms (Max.): <u>3</u>                                  | LTAR of Initial Wastewater System (gpd/ft <sup>2</sup> ): <u>1.0</u> |
| Design Flow (GPD): <u>360</u>  | Length of Lines (Feet): <u>45</u>                                    |
| Number of Lines: <u>4</u>  | Width of Lines (Feet): <u>3</u>                                      |
| Trench Bottom Depth From Top of Final Cover (Max. Inches): <u>30</u> | Drainfield Square Feet: <u>540</u>                                   |
| Min. Size of Septic Tank (Gal.): <u>1000</u>                         | Bed Dimensions (Feet x Feet): <u>12 x 45</u>                         |
| Min. Size of Pump Tank (Gal.): _____                                 | Type of Repair System: <u>V - Peat</u>                               |
| Min. Size of Grease Trap (Gal.): _____                               | Repair System Trench Bottom Depth (Max. Inches): <u>24</u>           |
| Other Information: _____   | LTAR of Repair System (gpd/ft <sup>2</sup> ): <u>1.0</u>             |

*Vonessa Smith*

2/19/25