



Onsite Wastewater

Tax Parcel: 1951A021

New Revision Repair

Owner's Name: FINNEMEYRE BARRIE E

Property Address: 906 GROVE CIR NW 28469

Subdivision: PINWOOD FOREST GROVE Lot: 14 Block: Section: B

Water Supply: Public Water or Private Water Project Type: Residential or Commercial Design Flow (GPD): 480

Improvement Permit

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-I TS-II RCW

Site Recorded: Prior to July 1, 1977 Prior to January 1, 1983 Prior to December 31, 1989

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

- See the Improvement Permit Site Plan for the septic system location and design criteria.
• Maintain 10 feet minimum to any water line. If applicable, requirements of 15A NCAC 18E.0601(e) may be met.
• Do not drive, park, pave, or build any structure over the initial septic system area or repair septic system area.
• Maintain 5 feet to any structure.
• Maintain gravity flow to the septic system.
• Maintain the following setback to any well: 50 feet or 100 feet
 Fill shall be installed in accordance with Brunswick County Environmental Health Services (BCHS) Fill Plan.
 25% reduction taken. Installer shall utilize an approved trench product that allows a 25% reduction in linear feet.
 Each drainline shall be installed on contour due to landscape position.
 Well(s) shall be properly abandoned (Well Abandonment Permit Required).
 This site is required to connect to a public or community sewage system within 90 days after such system is available for connection and after it is determined that 300 feet or less of sewer line is required for connection.
 Plans shall be submitted to BCHS and approved prior to the issuance of the Construction Authorization Permit.
 Pump Plans shall be designed by a registered Professional Engineer.
 A pre-installation conference is to be held on the site prior to any site modifications to the property. The following representatives shall be present at the pre-construction conference:
 Wastewater Installer Owner Applicant Engineer Other:
 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.
 Drainage shall be required. Drainage Type:
 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.

Improvement Permit Issuance Date: 9/16/2025 Improvement Permit Expiration Date: 9/16/2030

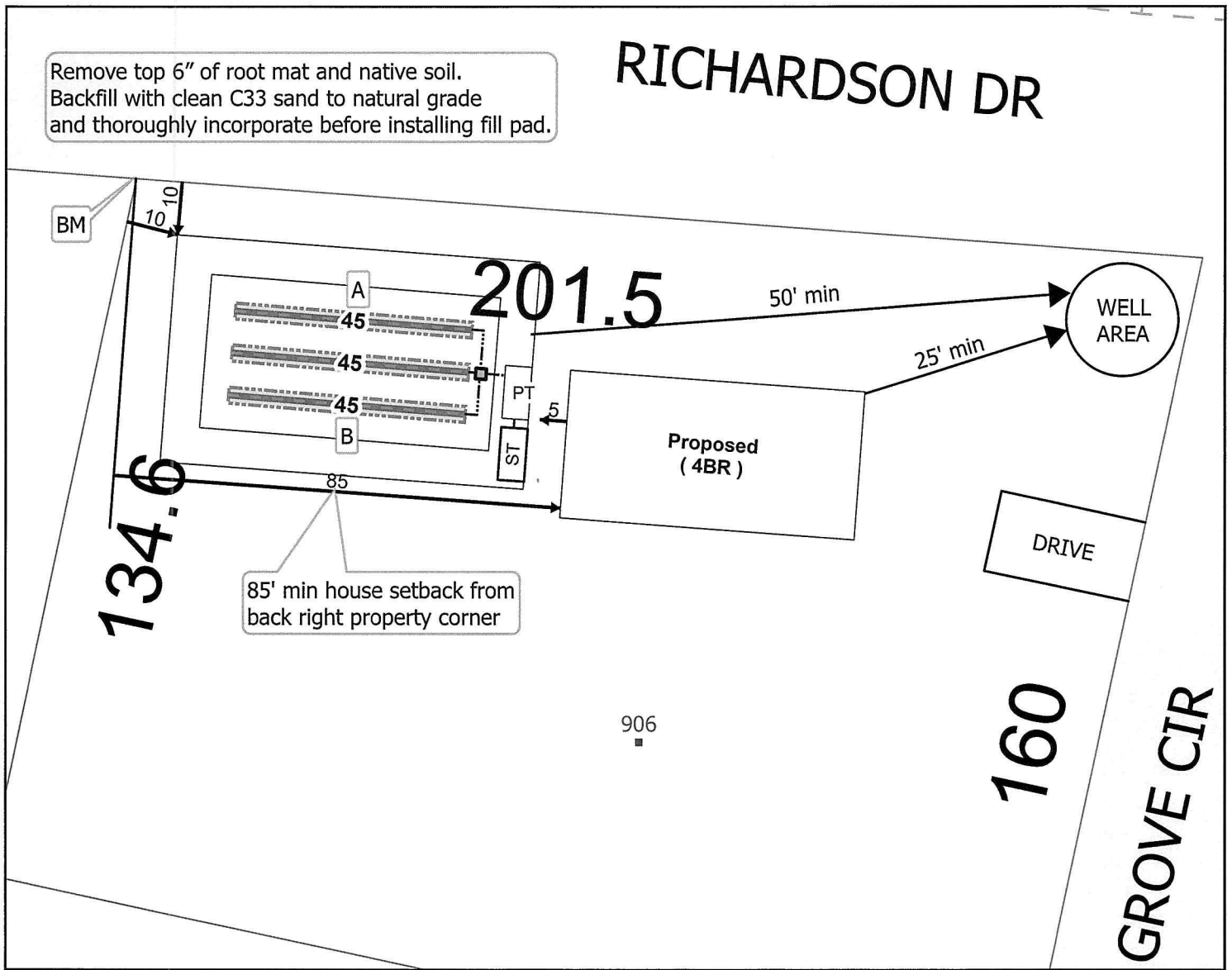
REHS Signature: [Signature] REHS Registration Number: 3423

See Improvement Permit Site Plan and Conditions for Septic System Location for Further Details



- Proposal Improvement Permit Construction Authorization Operation Permit
 Well Permit Well Abandonment Permit Existing System Approval Other: _____

SITE PLAN ONLY. THIS IS NOT A PERMIT



1" = 30 Ft

Onsite Wastewater System Design Criteria

Type of Initial Wastewater System: <u>3B HPPBPS 50% RED Pump</u>	Number of Occupants/Employees(Max): <u>8</u>
Number of Bedrooms (Max.): <u>4</u>	LTAR of Initial Wastewater System (gpd/ft2): <u>0.6</u>
Design Flow (GPD): <u>480</u>	Length of Lines (Feet): <u>45</u>
Number of Lines: <u>3</u>	Width of Lines (Feet): <u>3</u>
Trench Bottom Depth From Top of Final Cover(Max. Inches): <u>14' Block Bottom</u>	Drainfield Square Feet: <u>400</u>
Min. Size of Septic Tank (Gal.): <u>1000</u>	Bed Dimensions (Feet x Feet): _____
Min. Size of Pump Tank (Gal.): <u>1000</u>	Type of Repair System: _____
Min. Size of Grease Trap (Gal.): _____	Repair System Trench Bottom Depth (Max. Inches): _____
Other Information: <u>20" of fill required</u>	LTAR of Repair System (gpd/ft2): _____

Becker Ross

9/16/2025

Fill System
(Greater than 6" of soil cover)

Procedure:

- 1) Fill shall be placed in the exact location that is shown on the Site Plan.
- 2) Prior to the installation of fill, remove vegetation, remove root mat, and disc area.
- 3) **Remove top 6" of root mat and native soil. Backfill with clean C33 sand to natural grade and thoroughly incorporate before installing fill pad.**
- 4) Install the first elevation of Group I (Sand or Loamy Sand) fill to the correct depth. Ensure that the soil is placed over the entire nitrification field and extends laterally five feet beyond the nitrification trench. The material shall be clean, uncoated, fine, medium, or coarse sand.
- 5) Ensure that the first 4"-6" of Group I fill is thoroughly blended with the natural soil to a depth of 6" below the natural ground surface.
- 6) Once the first elevation of Group I fill has been installed, schedule an inspection with BCHS.
- 7) Once the first elevation of Group I fill has been approved and the Authorization to Construct has been issued, install the septic system.
- 8) Once the drainline(s) have been approved by BCHS, add the final 6" of Group II Soil (Sandy Loam), Group III Soil (Sandy Clay Loam), or Topsoil, to the correct depth.
- 9) Construct side slopes from the top edge of the fill tapered down to the natural ground surface.
- 10) The fill pad must be covered with seed and straw, or other approved method by BCHS.
- 11) The final 6 inches of soil cover, seed, and straw shall be inspected and approved by BCHS, prior to issuance of the Operation Permit.

Details:

- 1) Benchmark Location: Nail in power pole at back right corner of property _____
- 2) Top of first elevation of fill in relation to benchmark: Side A- 16" below BM, Side B- 22" below BM _____
- 3) Top of finished elevation of fill in relation to benchmark: Side A- 10" below BM, Side B- 16" below BM _____
- 4) Total Depth of fill (inches): 20" _____
- 5) Total Area of fill (feet x feet): 69x43 _____
 - System and buffer zone (feet x feet): 55x29 _____
 - Length of side slope (feet): 7 _____

Diagram Example
Top View (not to scale)

