

MOORE COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SECTION

CACE 5-20-10 696

OPERATION PERMIT

Lot #35 Arrowstone

Owner: East Development Address: 38 Spearhead Dr. Wh. Pines, NC

Permit # 71864 Receipt # _____ LRK# 20070354

Installer: Don Gaddy Telephone: 910/245-3066

Address: 164 McDonald Rd Cameron, NC

System Type: conventional Maximum Design Flow: 480 (gallons/day)

Wastewater Characteristics: sewer

Septic Tank Capacity: 1000 (Gallons) Tank I.D. # STB-103, STS-1000

Nitrification Line Dimensions: 3' x 200' (total) - 20 step downs

Effluent Distribution Device: sewer Gravel Depth: 12in - fine c/s

Depth To: Top of Tanks: 6 (Inches) Trench Bottom 28-30 (Inches)

Diagram of Actual Installation: (Depict Property Boundaries, Structures, Driveways, Trees, Water Lines, Water Supplies, Etc.)

Scale: _____ Inch = _____ Feet.

- see attached OP checklist

"4" Bedroom System

Comments and Conditions: _____

Issued By: [Signature] # of Attachments: 1
Date: 5-18-10

FINAL APPROVAL OF THIS SYSTEM SHALL INDICATE THAT THE SYSTEM HAS BEEN INSTALLED IN ACCORDANCE WITH APPLICABLE PERMIT CONDITIONS, LAWS AND RULES, BUT IN NO WAY SHOULD BE TAKEN AS A GUARANTEE THAT THE SYSTEM WILL FUNCTION SATISFACTORILY FOR ANY GIVEN TIME.

East Development
#71864
5-18-10

County Health Department

Operation Permit Checklist

1. LOCATION AND SEPARATION DISTANCES

- A) System meets .1950 setback requirements
- B) Distance from system to any wells N/A
- C) Distance from septic tank to foundation 10ft
- D) Distance from system to all property lines ≥ 10ft

2. SEPTIC TANK

- A) Visually inspect the exterior walls and top of the tank
- B) Visually inspect the inlet and outlet interior walls, baffle, tee, lids, air vent, bottom, and water tight outlet
- C) Date of tank manufacture 4-5-10
- D) Tank serial number 570-103, AT3-1000
- E) Liquid capacity of tank 1000 gallons
- F) Concrete Compressive Strength _____ psi
- G) Elevations: Inlet _____ Outlet _____ (must be 2" lower than inlet w/ 9" freeboard present)

3. SUPPLY LINE TO TRENCHES

- A) Grade _____ (1/8 inch per foot minimum)
- B) Supply line material PVC
- C) Diameter 3in
- D) Length 3ft
- E) Distance from tank to drainfield/distribution device 3ft

4. DISTRIBUTION DEVICE(S)

- A) Type sewer
- B) Is Device water tight
- C) Minimum of 2 feet undisturbed earth to trench
- D) Proper center to center trench spacing maintained?
- E) Is the device on a solid foundation All outlet inverts properly adjusted _____
- F) Does the device perform according to its design specifications YES NO _____
- G) Inlet and outlet elevations: INLET _____ OUTLETS: _____

5. NITRIFICATION FIELD

- A) Trench depth 28-30 inches
- B) Trench width 36 inches
- C) Trench spacing: 9ft
- D) Number of trenches single
- E) Length(s) of trenches 200ft
- F) Aggregate depth 12 inches
- G) Aggregate material: ROCK _____ SYNTHETIC fine chips
- H) Trench elevations (record on reverse of sheet)
- I) Step downs
 - a. Minimum of 2' of undisturbed earth _____
 - b. Proper rise over step down _____
 - c. Solid pipe used _____
 - d. Elevations of step downs _____ (Record elevations and show on as built)

See "as built" plan on attached sheet.

Don Gaddy, installer