



Construction Authorization

Vance County Health Dept
Environmental Health
115 Charles Rollins Road
Henderson, NC 27536
Phone: (252) 492-5263 Fax: (252) 492-2361

For Office Use Only

*CDP File Number: 396421 - 1
County ID Number: 0525 04003
Evaluated For: NEW

PERMIT VALID UNTIL: 06/23/2028

☐ Open Pump System Sheet

Applicant: Durelle & Angela Chabwera

Address: 1220 Warrenton Rd

City: Henderson

State/Zip: NC 27537

Phone #: cell : (919) 799-3946

Property Owner: 5M Properties LLC

Address: 1220 Warrenton Rd

City: Henderson

State/Zip: NC. 27537

Phone #: cell : (919) 799-3946

Property Location & Site Information

Address/Road #: 1260 Warrenton Rd
Henderson, NC 27537

Subdivision: _____

Phase: NEW Lot: _____

Directions:

Structure: SINGLE FAMILY

See attachment

of Bedrooms: 3

of People: 2

*Water Supply: PUBLIC

System Specifications

*Site Classification: Provisionally Suitable

Minimum Trench Depth: _____ Inches

Design Flow: 360

Maximum Trench Depth: 16 Inches

Soil Application Rate: 0.2750

Minimum Soil Cover: _____ Inches

*System Classification/Description:

TYPE III G. OTHER NON-CONV. TRENCH SYSTEMS

Maximum Soil Cover: _____ Inches

*Proposed System:

25% REDUCTION

*Distribution Type: N/A

Nitrification Field: 984 Sq. ft.

Septic Tank: 1,000 Gallons

No. Drain Lines: 4

Pump Required: ☒ Yes ☐ No ☐ May Be Required

Total Trench Length: 328 ft. ☐ Inches O.C.

Pump Tank: 1,000 Gallons

Trench Spacing: 9 - ☒ Feet O.C.

Grease Trap: _____ Gallons

Trench Width: 3 - ☐ Inches

Trench Width: 3 - ☒ Feet

Aggregate Depth: _____ inches

Septic Tank Installer

Grade Level Required: ☐ I ☐ II ☐ III ☐ IV

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.

*Permit Conditions:

The Authorization for Wastewater System Construction shall be valid for a period equal to the period of validity of the Improvement Permit and may be issued at the same time the Improvement Permit issued (NCGS 130A-336(b)). If the installation has not been completed during the period of validity of the Construction Permit, the information submitted in the application for a permit or Construction Authorization shall become invalid, and may be suspended or revoked (.1937(g)). The person owning or controlling the system shall be responsible for assuring compliance with the laws, rules, and permit conditions regarding system location, installation, operation, maintenance, monitoring, reporting

Authorized State Agent: Diamond, Chris

Date of Issue: 06/23/2023

☐ Hand Drawing

☐ Import Drawing

****Site Plan/Drawing attached.****

Total Time : (HH:MM) _____

Initial System Design Specifics

Design Daily Flow:	360 Gallons Per Day
Effluent Loading Rate:	0.275 GPD per sq. ft.
Drainfield Type:	Accepted System
Maximum Trench Depth:	16 Inches on low side of trench
Supply Size:	2 Inch
Supply Line Length:	Approximately 30 feet
Number of Drainlines:	4
**Drain Lines:	3' Wide x 68', 84', 84', 92' Long
Total Trench Length:	328 Linear Feet
**Drainline Spacing:	9 Foot on Centers
Distribution Method:	4" SCH80 Pressure Manifold
Number of Taps:	3 x 1/2in SCH40 1x 1/2in SCH80
Dosing Volume:	141 Gallons
Pump Run Time:	5.25 Minutes
Design Head:	2 Feet
Elevation/Friction Head	8.31 Feet
*Pump Requirements:	26.81 GPM at 10.31 Feet TDH
Recommended Pump:	Goulds WE03L or equiv.

* Total Dynamic Head (TDH) for system is estimated based upon existing elevations, approximate pump off elevation, design pressure head and supply line length. Total Dynamic Head should be reconfirmed by septic contractor at the time of system installation based upon actual tank depth and pressure manifold height.

** See drainfield layout for site locations and more details.