PRESSURE MANIFOLD SYSTEM
FOR WASTEWATER TREATMENT

Owner: KENNETH BEALER HOMES

Address: 1454 BRAWLEY SCHOOL RD.
MOORESVILLE, NC 28117+
Phone: 704 622 4659
County: Iredell
Location: THE POINT LOT 1477

Source of Wastewater Flow: 5 Bedroom Single Family Residence
Estimated Gallons Per Day Flow: 600
System Flow: 49.77

Design Specifications

Drainfield Size: 602
Loading Rate (gpd/ft.^{2}): 0.25
Depth of Gravel in Trench: NA (25% reduction)
Gravel Size: NA (25% reduction)
Trench Depth: 36 in.
Trench Width: 36 in.
Septic Tank Size: 1500 gal.
Pump Tank Size: 1500 gal.

Estimated Supply Line Length: 300
Supply Line Diameter: 2 in. SCH 40 PVC
Supply Line Volume: 52.20
Dosing Volume: 275.17
Supply Manifold: 4 in. SCH 80 PVC
Supply Manifold Length: 4 ft. (minimum)
Supply Manifold Volume: N/A

Recommended Float Controls: SJE Sensor Float Control Switches as Required for Control Panel or County Approved Equivalents
Recommended Control Panel: SJE-Rhombus Model 112 (NEMA 4x) Control Panel or County Approved Control Panel.

Pressure Head: 2 ft.
Friction Head: 10.44
Elevation Head: 12.90
Total Dynamic Head: 29.14

Threaded Union: In Tank
Gate Valves: 1 in Tank
1 at Pressure Manifold
Check Valves: In Tank
Anti-Siphon Hole: NA
Additional Comments: Soil suitability was performed by Rollans Soil & Environmental Services.