PRESSURE MANIFOLD SYSTEM FOR WASTEWATER TREATMENT

Owner: Anniston, LLC

Address: 17824 Statesville Rd., Suite 112
Cornelius, NC 28031
Phone: (704) 362-5007
County: Iredell
Location: Anniston Subdivision Lot 57

Source of Wastewater Flow: 5 Bedroom Single Family Residence
Estimated Daily Wastewater Production: 600 gpd
System Flow: 28.44

Design Specifications

Drainfield Size: 550
Loading Rate: .275 gpd/ft²
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: 155
Supply Line Diameter: 2 in. SCH 40 PVC
Supply Line Volume: 26.97
Dosing Volume: 251.41
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: 2.76
Elevation Head: 13.00
Total Dynamic Head: 20.42

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.