PRESSURE MANIFOLD SYSTEM FOR WASTEWATER TREATMENT

Owner: Annistion LLC

Address: 17824 Statesville Rd STE 112
Conover, NC 28031

Phone:
County: Iredell
Location: Anniston Subdivision Lot 48

Source of Wastewater Flow: 4 Bedroom Single Family Residence
Estimated Daily Wastewater Production: 480 gpd
System Flow: 35.55

Design Specifications

Drainfield Size: 530
Loading Rate: 0.225 gpd/ft.^{2}
Depth of Gravel in Trench: NA (25% reduction)
Gravel Size: NA (25% reduction)
Trench Depth: 36 in.
Trench Width: 36 in.
Septic Tank Size: 1000
Pump Tank Size: 1000

Estimated Supply Line Length: 180
Supply Line Diameter: 2 in. SCH 40 PVC
Supply Line Volume: 31.32
Dosing Volume: 242.26
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: 6.26
Elevation Head: 18.40
Total Dynamic Head: 30.66

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.