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 99

Source of Wastewater Flow: 5 Bedroom Single Family Residence
Estimated Daily Wastewater Production: 600
System Flow: 35.55

Design Specifications

Drainfield Size: 600
Loading Rate: 0.25 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: 1500 gal.
Pump Tank Size: 1500 gal.

Estimated Supply Line Length: 211
Supply Line Diameter: 2 in. SCH 40 PVC
Supply Line Volume: 36.71
Dosing Volume: 274.26
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: 5.00
Elevation Head: 29.00
Total Dynamic Head: 41.40

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.