# 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 Lot 26A

**Source of Wastewater Flow:** 4 Bedroom Single Family Residence
**Estimated Daily Wastewater Production:** 480 gpd
**System Flow:** 28.44

## Design Specifications

**Drainfield Size:** 480
**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:** 1000
**Pump Tank Size:** 1000

**Estimated Supply Line Length:** 1100
**Supply Line Diameter:** 2 in. SCH 40 PVC
**Supply Line Volume:** 191.40
**Dosing Volume:** 219.41
**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:** 19.58
**Elevation Head:** 43.00
**Total Dynamic Head:** 74.27

**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.