# LP PPBPS SYSTEM
# FOR WASTEWATER TREATMENT

**Owner/Applicant:** E&J DEVELOPMENT

**Address:** 227 Hideaway Lane
Mooresville, NC 28117
**Phone:** 704-201-6465
**County:** Iredell
**Location:** AUTUMN GROVE LOT#2

**Source of Wastewater Flow:** 4 Bedroom Single Family Residence
**Estimated Gallons Per Day Flow:** 480
**System Flow:** N/A

## Design Specifications

**Drainfield Size:** 296
**Loading Rate (gpd/ft.$^2$):** 0.275
**Depth of Gravel in Trench:** NA (PPBPS )
**Gravel Size:** NA (PPBPS )
**Trench Depth:** 36 in.
**Trench Width:** 36 in.
**Septic Tank Size:** 1000
**Pump Tank Size:** N/A

**Estimated Supply Line Length:** 16
**Supply Line Diameter:** 3 in. SCH 40 PVC
**Supply Line Volume:** 2.78
**Dosing Volume:** N/A
**Supply Manifold:** D-Box
**Supply Manifold Length:** N/A
**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:** N/A
**Friction Head:** N/A
**Elevation Head:** N/A
**Total Dynamic Head:** N/A

**Threaded Union:** N/A
**Gate Valves:** N/A
N/A
**Check Valves:** N/A
**Anti-Siphon Hole:** NA
**Additional Comments:** Soil suitability was performed by Rollans Soil & Environmental Services

## AUTUMN GROVE LOT#2
## ~~DR~~ PPBPS

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|---|---|
| **DESIGN FLOW (gpd):** | 480 |
| **SOIL APPLICATION RATE (gpd/ft.$^2$):** | 0.275 |
| **TOTAL AREA TRENCH BOTTOM:** | 888 |
| **TOTAL LATERAL LENGTH:** | 296 |
| **NUMBER OF FIELDS:** | 1 |
| **LATERAL LENGTH REQUIRED PER FIELD:** | 290.9090909 |
| **SUPPLY LINE LENGTH:** | 16 |
| **TOTAL DYNAMIC HEAD:** | N/A |
| **MANIFOLD SIZE:** | N/A |
| **DOSING VOLUME:** | N/A |
| **PUMP TANK DRAW DOWN*:** | N/A |
| **SEPTIC TANK SIZE:** | 1000 |
| **PUMP TANK SIZE:** | N/A |

**Pump tank draw down based on a volume basis of 21 gallons per inch. Draw down may vary among pump tank manufacturers.*