# Bells Crossing S/D Lot 81

**Layout/Design Specifications**

| | | |
|---|---|---|
| **Facility Type:** | Single Family Home | |
| **# of Bedrooms:** | 4 | |
| **Daily Flow:** | 480 | **gal/day** |
| **L.T.A.R.:** | 0.30 | **gal/day/sq.ft** |
| **Trench Depth:** | 24 | **in** |
| **Trench Width:** | 36 | **in** |
| **Stone Depth:** | chamber | **in** |
| **Manifold Length:** | 36 | **in** |
| **Manifold Diameter:** | 4 | **in sch 80pvc** |
| **Supply Line Length:** | 180 | **ft** |
| **Supply Line Diameter:** | 2 | **in sch 40pvc** |
| **Supply Line Volume:** | 31.32 | **gallons** |
| **Friction Loss + Fitting Loss:** | 2.53 | **ft(supply line length + 70' for fittings in pump tank)** |
| **Design Head:** | 2 | **ft** |
| **Elevation Head:** | 18.40 | **ft** |
| **Total Head:** | 22.93 | **ft** |
| **Dose Volume:** | 212.32 | **gals** |
| **% of Pipe Vol.** | .75 | |
| **Drawdown:** | 9.88 | **in @ 21.5 gal/in** |

**Control Panel:** SJE Rhombus Model112 control panel (or approved equivalent)

**Pump:** Zoeller M137 Flow-Mate (or approved equivalent)

**Septic Tank Effluent Filter:** Zoeller 170-0144 residential effluent filter (or approved equivalent)

**Septic Tank:** 1000 **gallon**

**Pump Tank:** 1000 **gallon**