

**MICHAEL ATHANAS & ASSOCIATES**
**LICENSED SOIL SCIENTIST**
**1999 CANDLEWICK DRIVE**
**FORT MILL, S.C. 29715**
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**Reference: Data Sheet for Lot 44 Georgia Mills S.D., Iredell County NC**
**House Footprint:** Refer to Drawing
**Water Source:** Private Well
**Number of Bedrooms:** 4/480gpd
**Pre-determined LTAR:** Initial 0.3 gpd/ft2, Repair 0.3 gpd/ft2
**Suggested System Type:** Initial 25% Red., Repair PPBPS
**Distribution:** Gravity
**Proposed Trench Depth:** 36"
**Septic/ Pump tank size:** 1000gal

| Line | Actual Length | Design Length | Elevation |
|---|---|---|---|
| White 1 | 37' | | |
| Pink 2 | 50' | | |
| **Blue 3** | **80'** | **80'** | |
| **White4** | **90'** | **90'** | **N/A** |
| **Pink 5** | **112'** | **110'** | |
| **Blue 6** | **120'** | **120'** | |
| White 7 | 94' | | |
| Pink8 | 75' | | |
| Blue9 | 59' | | |

**Initial System:** 400' of 25% Red. **Repair System:** 315'+ PPBPS
**Septic Tank:** 1000gal

**Comments:** This lot was previously designed and permitted as a deep sand lined trench (1948 D) for both the initial and the repair system by SM&E. We are proposing to change the layout/design to a gravity 25% reduction system for the initial and a PPBPS for the repair. **Any additions or changes by Iredell County are welcome.**