

MICHAEL ATHANAS & ASSOCIATES, INC.
LICENSED SOIL SCIENTIST
1999 CANDLEWICK DRIVE
FORT MILL, S.C. 29715
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Reference: Data Sheet for Normandy Hills lot 2/Redraw
House Footprint: 61'-0" x 50'-6"
Building Setback: 35' front/back, 15' side
Water Source: Well
Number of Bedrooms: 4/480gpd
Proposed LTAR: 0.3 gpd/ft2 as determined by Iredell Co.
Suggested system type: 25% reduction
Distribution: Pressure Manifold
Pressure Head: 2'
Flow per tap: 7.11 gpm
Hole size & Material: 1/2" sch 40
System Flow: 35.55 gpm
Dosing volume: 182.84 gallons
Pump Run Time: 5.14 min.
Elevation Head: 9.9'
Friction Head: 1.0'
TDH: 12.9'
Septic/ Pump tank size: 1000 gallons
Total Linear footage: Initial 400' (5@80') *Repair 305' (PPBPS)*
Proposed Trench Bottom: 36"

Line	Length	Elevation
Red 1	*25'*	*1.3'*
Pink 2	*40'*	*2.0'*
Orange 3	*55'*	*2.7'*
White 4	*80'*	*4.2'*
Blue 5	**80'**	**5.7'**
Red 6	**80'**	**6.0'**
Pink 7	**80'**	**7.9'**
Orange 8	**80'**	**9.1'**
White 9	**80'**	**10.6'**
Blue 10	*65'*	*12.2'*
Red 11	*40'*	*13.5'*

Benchmark: 7.2'' (Back left property corner)

Comments: There will be a grinder/sewage lift pump in the basement to lift the basement plumbing to the main level. The well should be at least 50' from any septic systems. Soil determinations made by Iredell County.