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LICENSED SOIL SCIENTIST
1999 CANDLEWICK DRIVE
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Reference: Data Sheet for Lot 53 Georgia Mills S.D., Iredell County NC
House Footprint: Refer to Drawing
Water Source: Private Well
Number of Bedrooms: 3/360gpd
Pre-determined LTAR: Initial 0.3 gpd/ft2, Repair 0.3 gpd/ft2
Suggested System Type: Initial 25% Red., Repair 25%Red.
Distribution: Pressure Manifold
Flow per Tap: 5.48gpm
Hole Size & Material: 1/2" SCH. 80
System Flow: 21.92
Dosing Volume: 146
Pump Run Time: 6.66
Elevation Head: TBD
Friction Head: TBD
Total Dynamic Head: TBD
Trench Bottom Square Footage: 960
Supply Line Length: TBD
Drawdown: 6.95"
Proposed Trench Depth: 36"
Septic/ Pump tank size: 1000 ST, 1000 PT

Line	Actual Length	Design Length	Elevation
Red 1	**80'**	**80'**	**6.8'**
Orange 2	**80'**	**80'**	**6.0'**
Blue 3	**80'**	**80'**	**5.4'**
White 4	**80'**	**80'**	**4.9**
Pink 5	78'		4.0'
Orange 6	79'		3.4'
Green 7	110'		2.3'
White 8	97'		1.3'
Septic/Pump Tanks			**TBD**
Pressure Manifold			**4.5**

Initial System: 320' of 25% Red.
Septic Tank/Pump tank: 1000/1000gal
Repair System: 364' of 25%
Benchmark: Front right corner: 13.9

Comments: This lot was previously designed and permitted as a low pressure panel block system for both the initial and the repair by SM&E. We are proposing to change the layout/design to a 25% reduction system for both the initial and the repair, although we are in full agreement on the soil rating of .3gal/day/ft2, previously determined by Iredell County.