REDRAW



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LICENSED SOIL SCIENTIST
1999 CANDLEWICK DRIVE
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Reference: Data Sheet for Lot 578 Farms S.D., Iredell County NC
House Footprint: Refer to Drawing
Water Source: Private Well
Number of Bedrooms: 5/600gpd (Currently permitted for four bedrooms)
Pre-determined LTAR: Initial 0.25 gpd/ft2, Repair 0.25 gpd/ft2
Suggested System Type: LP PPBPS, Repair LP PPBPS
Distribution: CVB
Pressure Head: 2'
Flow per Tap: 7.11gpm
Hole Size: 3/16
Number of Panels: 92
System Flow: 54.28
Dosing Volume: 331
Pump Run Time: 6.10
Elevation Head: 8.0
Friction Head: 4.78
Total Dynamic Head: 17.74
Total Linear Footage: 400
Proposed Trench Depth: Refer to existing permit
Septic/ Pump tank size: 1500gal

Line	Actual Length	Design Length	Elevation
White 1	30'		4.2
Red 2	41'		5.0
White 3	46'		6.0
Pink 4	50'		6.7
White 5	64'		7.5
Orange 6	76'		8.3
White 7	84'		9.2
Red 8	86'		10.1
White 9	93'		10.9
Pink 10	**100'**	**100'**	**11.8**
White 11	**104'**	**100'**	**12.4**
Orange 12	**110'**	**100'**	**13.1**

Well 13	116'	100'	14.2

Initial System: 400' of PPBPS
Septic Tank: 1500gal
House Corner: 12.1, Rear left Corner

Repair System: 570'
Benchmark: 0.05, Front left corner

Comments: Currently Lot 578 is permitted for a four bedroom septic system, the present owners wish to expand this system in order to accommodate a five bedroom septic system. We are not proposing to change the LTAR, just adjust the house location.