County Copy



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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

CURRENT REVISION FOR POOL

Line	Actual Length	Design Length	Elevation
White 1	30'		4.2
Red 2	41'		5.0
White 3	46'		6.0
Pink 4	32'		6.7
White 5	33'		7.5
Orange 6	35'		8.3
White 7	30'		9.2
Red 8	25'		10.1
White 9	40'		10.9
Pink 10	**100'**	**100'**	**11.8**
White 11	**104'**	**100'**	**12.4**
Orange 12	**110'**	**100'**	**13.1**
White 13	**116'**	**100'**	**14.2**

Blue 14	62'	14.8
Pink 15	70'	15.8
White 16	60'	16.5

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

Repair System: 504' (400' Needed)
Benchmark: 0.05, Front left corner

Comments: Presently the owners of lot 578 wish to have a pool; therefore MA&A re-evaluated the repair area to determine the amount of available space for the repair. We are proposing to add three additional lines (Blue 14- White 16) and reduced all the lines that would be affected by the placement of a pool, maintaining 15 feet offset. The amount of repair after the reduction of lines to make room for the pool and the addition of three new lines; we currently have 504 feet of repair. One additional soil observation was performed.