County's Copy



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Reference: Data Sheet for Lot 580 Farms S.D., Iredell County NC
House Footprint: Refer to Drawing
Water Source: Private Well
Number of Bedrooms: 4/480gpd (Currently permitted for four bedrooms)
Pre-determined LTAR: Initial 0.3 gpd/ft2, Repair 0.25 gpd/ft2
Suggested System Type: LP PPBPS (8'Centers), Repair LP PPBPS
Distribution: CVB
Pressure Head: 2'
Flow per Tap: 7.11gpm
Hole Size: 3/16
Number of Panels: 62
System Flow: 36.58 gal/min
Dosing Volume: 223.20 gal/dose
Pump Run Time: 6.10 min
Supply Line Length: 140'
Elevation Head: 12.6
Friction Head: 2.87
Total Dynamic Head: 20.96
Total Linear Footage: 270'
Proposed Trench Depth: 36"
Septic/ Pump tank size: 1000gal

Line	Actual Length	Design Length	Elevation
Blue 1	**40'**	**40'** 31	**4.7**
White 2	**60'**	**60'** 50	**5.1**
Blue 3	**77'**	**70'** 82	**6.2**
White 4	**107'**	~~**100'**~~ 107	**6.7**
Pink 5	40'	270	8.0
Orange 6	105'		7.6
Blue 7	93'		8.4
White 8	70'		9.3
Blue 9	40'		15.2
White 10	40'		16.4

Initial System: 270' of PPBPS, B1-W4

Repair System: P5-W10, 388' (Need 320')

Septic Tank: 1000gal
House Corner: 7.8, Front left Corner

Benchmark: 1.6, Front left corner

Comments: Currently Lot 580 is permitted for a four bedroom septic system; the present owners wish to change the existing house location to have the house more centered in the lot. Previously the site was permitted with a .25 LTAR, we are proposing to alter the house location and increase the LTAR to a .3gpft2 for the initial system and therefore five new soil observations were excavated in order to determine that there was adequate soils and space available to accommodate the changes requested. Please note the gullies in the rear of the lot will need to be filled in.