

MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
1999 CANDLEWICK DRIVE
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Reference: Data Sheet for Lot 638 Point S.D. Phase 6, Iredell County NC
House Footprint: Refer to Drawing
Water Source: Community Well
Number of Bedrooms: 5/600gpd (Previously permitted for five bedrooms in Oct. of 2000)
Proposed LTAR: Initial 0.3 gpd/ft2, Repair 0.3 gpd/ft2
Suggested System Type: 25% Reduction
Distribution: Pressure Manifold
Pressure Head: 2'
Flow per Tap: 5.48 gpm
Hole Size &Material: 5, ½" Taps SCH. 80
System Flow: 27.40 gal/min.
Dosing Volume: 228 gal/dose
Pump Run Time: 8.32 min
Elevation Head: 15.6
Friction Head: 2.77 (180 feet of supply line)
Total Dynamic Head: 24.44
Total Linear Footage: 500'
Proposed Trench Depth: 36"
Septic/Pump Tank Size: 1500gal

Line	Actual Length	Design Length	Elevation
Orange 1	40'		9.8
Blue 2	**110'**	**100'**	**9.6**
Orange 3	**110'**	**100'**	**8.9**
White 4	**112'**	**100'**	**7.9**
Blue 5	**112'**	**100'**	**7.5**
Orange 6	**115'**	**100'**	**6.9**
White 7	115'		6.4
Blue 8	119'		5.9
Orange 9	115'		4.8

Initial System: 500' of 25% Red., B2-O6
ST/PT: 15.5, 1500gal
House Corner: 11.8, Front Left Corner

Repair System: LP PPBPS, O1, W7-O9, 389' (8'Centers)
Benchmark: 0.5, Front Left Corner