

MICHAEL ATHANAS & ASSOCIATES, INC.
LICENSED SOIL SCIENTIST
1999 CANDLEWICK DRIVE
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Reference: Data Sheet for Lot 13, Habour S.D., Iredell County NC
House Footprint: Refer to Drawing
Building Setback: Front 35', Side 15'
Water Source: Community Water
Number of Bedrooms: 4/480gpd
Proposed LTAR: Initial 0.3 gpd/ft2, Repair 0.3 gpd/ft2
Suggested System Type: 25% Red., Repair PPBPS
Distribution: Pressure Manifold
Flow per Tap: 7.1gpm
Hole Size & Material: 1/2" SCH. 40
System Flow: 21.3
Dosing Volume: 182
Pump Run Time: 8.54
Elevation Head: 19.7
Friction Head: 1.48
Total Dynamic Head: 27.82
Trench Bottom Square Footage: 1200
Supply Line Length: 230
Drawdown: 8.67"
Proposed Trench Depth: 30-36"
Trench Width: 3'
Septic/ Pump tank size: 1000 ST, 1000 PT

Line	Actual Length	Design Length	Elevation
Red 1	**143'**	**133'**	**2.5'**
Blue 2	**147'**	**133'**	**4.3'**
Orange 3	**133'**	**133'**	**5.6'**
Pink 4	114'		
Red 5	99'		
Blue 6	85'		
Septic/Pump Tanks			**15.2**
Pressure Manifold			**1.5**
Front Left Corner of Garage			**5.5**

1184
50
2334
3

Initial System: 400' of 25% Red.
Septic Tank/Pump tank: 1000/1000gal
Repair System: 294' of PPBPS
Benchmark: Front Left Corner of Garage 5.5

Comments: Do not cut for positive drainage. Positive drainage should be achieved by backfilling against the house. The house and lot was staked in the field by DAS, the curved driveway was staked in lime green pin flags. Please note this lot was originally permitted via Fastrack, although the lot had to be re-laidout due to some minor changes concerning house location and driveway location. The septic area remained unchanged; therefore no additional soils work was required, although one additional soil observation was completed. If there are any questions please feel free to call me @ 704-576-3887.