County Copy



MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
1999 CANDLEWICK DRIVE
FORT MILL, S.C. 29715
803-802-4403 (office)
803-802-4402 (fax)

Reference: Data Sheet for Lot 29 Anniston S.D., Iredell County NC
House Footprint: Refer to Plat
Water Source: Private Well
Number of Bedrooms: 5/600gpd
Pre-determined LTAR: .3-.25gpdft2
System Type: Initial Pump to 25%, Repair LP PPBPS
Distribution: Pressure Manifold
Pressure Head: 2'
Flow per Tap: 7.11gpm
Hole Size & Material: 6 Taps, 1/2" SCH. 40
System Flow: 42.66 gpm
Dosing Volume: 274 gal/dose
Pump Run Time: 6.4
Elevation Head: 19.4
Friction Head: 3.5
Total Dynamic Head: 29.88
Trench Bottom Square Footage: 1800'
Supply Line Length: Approx. 100'
Septic/ Pump tank size: 1500 ST, 1500 PT

Line	Actual Length	Design Length	Elevation
Orange 1	43'		130.3'
Yellow2	61'		129.0'
Orange 3	70'		127.0'
Green 4	81'		124.5'
Orange 5	87'		122.3'
Blue 6	**100'**	**100'**	**121.0'**
Orange 7	**103'**	**100'**	**118.1'**
Green 8	**110'**	**100'**	**115.5'**
Orange 9	**118'**	**100'**	**113.2'**
Yellow 10	**123'**	**100'**	**110.8'**
Orange 11	**134'**	**100'**	**108.5'**
Blue 12	92'		106.3'
Pink 13	96'		104.0'
Septic/Pump Tanks			98.6
Pressure Manifold			122.0

Initial System: 600' of 25% Red.
Septic Tank/Pump tank: 1500/1500gal
Repair System: 530'+ of PPBPS
Benchmark: Site Surveyed

Comments: This lot currently is permitted as a five bedroom LP PPBPS; presently we have re-laid out the area and relocated the well in order to accommodate a 5 bedroom 25% reduction system with pressure manifold distribution. Please note the soil rating of .25gal/day/ft2 was previously determined by Iredell County. Please note there is additional repair area in excess of the 530'. If there are any questions, please feel free to call me @ 704-576-3887.