

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 74 Georgia Mills S.D., Iredell County NC
House Footprint: Refer to Drawing
Water Source: Private Well
Number of Bedrooms: 4/480gpd
Pre-determined LTAR: Initial 0.3 gpd/ft2, Repair 0.3 gpd/ft2
Suggested System Type: Initial 25% Red., Repair PPBPS
Distribution: Gravity
Proposed Trench Depth: 36"
Septic/ Pump tank size: 1000gal

Line	Actual Length	Design Length	Elevation
Green 1	100'		2.7'
Orange 2	104'		4.1'
White 3	64'		5.1'
Green4	**150'**	**150'**	**6.4**
Orange 5	**140'**	**140'**	**7.1'**
White 6	**110'**	**110'**	**8.2'**
Green 7	100'		9.6'

Initial System: 400' of 25% Red.
Septic Tank: 1000gal
Repair System: 368'+ PPBPS
Benchmark: Lot 78/34A SFE 1.1'

Comments: This lot was previously designed and permitted as a low pressure panel block system for both the initial and the repair by SM&E. We are proposing to change the layout/design to a 25% reduction system for the initial and the repair to remain a PPBPS, although we are in full agreement on the well location and the soil rating of .3gal/day/ft2, previously determined by Iredell County. Please note the gully behind the house will have to be filled in order to meet separation setbacks for the septic system. **Any additions or changes by Iredell County are welcome.**