

MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
1999 CANDLEWICK DRIVE
FORT MILL, S.C. 29715
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Reference: Data Sheet for Lot 451 Expansion, The Pointe S.D., Iredell County NC
House Footprint: Existing House
Water Source: CommunityWell
Number of Bedrooms: 5/600gpd (Currently permitted for 480gpd/four bedrooms)
Pre-determined LTAR: Initial 0.3 gpd/ft2, Repair 0.3 gpd/ft2
Existing System Type: LP PPBPS, Repair LP PPBPS
Proposed Trench Depth: Refer to existing permit
Septic Tank Size: 1500gal
Pump Tank: 1000 gal
Comments: Currently, this site is permitted as a four bedroom LP PPBPS @ .3 LTAR and there are 300 (3x100') linear feet of line installed. In order to accommodate a five bedroom septic system, there would need to be an expansion of the current septic system, which would require an additional 34 feet of line and a total of 334 feet of linear line for the repair. Presently Michael Athanas & Associates, Inc. has layout in addition to the existing 300 of line, 57 feet of line that would serve as the remainder of the new initial system, leaving 420 feet of repair. Also one soil observation was completed to confirm the existing permit.

Line	Actual Length	Design Length
Blue 1	**57'**	**34'**
Pink 2	**Existing Initial**	**100'**
Orange 3	**"** **"**	**100'**
White 4	**"** **"**	**100'**
Blue 5	102'	
Pink 6	99'	
Orange 7	82'	
White 8	64'	
Pink 9	50'	

Initial System: 334' of PPBPS **Repair System:** 420'