

MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
1999 CANDLEWICK DRIVE
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Reference: Data Sheet for Lot 375 Farms S.D., Iredell County NC
House Footprint: Refer to Drawing
Water Source: Community Well
Number of Bedrooms: 5/600gpd (Currently permitted for four bedrooms)
Pre-determined LTAR: Initial 0.3 gpd/ft2, Repair 0.3 gpd/ft2
Suggested System Type: Gravity
Distribution: Drop Boxes
Total Linear Footage: 504'
Proposed Trench Depth: 36"
Septic tank size: 1500gal

Line	Actual Length	Design Length	Elevation
Blue 1	60'		3.2
Pink 2	78'		3.3
Orange 3	100'		3.4
Blue 4	130'		3.8
Orange 5	**78'**	**72'**	**5.9**
White 6	**75'**	**72'**	**6.9**
Blue 7	**72'**	**72'**	**8.0**
Orange 8	**73'**	**72'**	**8.5**
Blue 9	**74'**	**72'**	**8.9**
Pink 10	**77'**	**72'**	**9.3**
Orange 11	**80'**	**72'**	**10.1**

Initial System: 504' of 25% Red., O5-O11
ST/PT: 1500gal
House Corner: 5.2, Back Right Corner
Repair System: PPBPS, B1-B4, 368' (Need 334')
Benchmark: 2.8, Rear left corner

Comments: Currently Lot 375 is permitted for a four bedroom septic system; the current owners wish to alter the current house location, add a fifth bedroom and a pool. The site is permitted with a .3 LTAR for both the initial and the repair, four additional soil observations were completed and all verified current rating of .3g/d/ft2. Please note the new proposed septic area is in the same location as the current permit. This is a crawl only/no basement and do not cut pad.