06-04-13
pd $350.00 @ Store

Rec'd - Mooresville
06-07-13



MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
1999 CANDLEWICK DRIVE
FORT MILL, S.C. 29715
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Reference: Data Sheet for Walden Ridge Subdivision, Lot 45
House Footprint: See Attached
Building Setbacks: 85' front, 15' sides, 35' back
Water Source: Private Well
Number of Bedrooms: 4/480 GPD
Predetermined LTAR: 0.3 GPD/FT2 initial (ICHD), 0.1 GPD/FT2 repair
Proposed System Type: 25% Reduction
Proposed Repair System Type: Drip irrigation
Distribution: Gravity-end cap/drop boxes
Septic Tank Size: 1000 gallons
Proposed Trench Bottom: 36"

Line	Design Length	Actual Length
Red 1	133'	154'
Pink 2	133'	160'
Orange 3	134'	170'

Initial System: 400' **Repair System:** 5000+ft2

Comments:
This lot has an existing permit. The purpose of this investigation is to add a pool. We are dropping the first two lines of the original design to make room for the pool. We re-laid out the last three line of the original design and added a drip irrigation repair area down slope. It is the opinion of Michael Athanas & Associates that, if or when a repair is needed, a conventional or similar system could be installed, but pits would be necessary due to saprolite.