

APPROVED JUL 07 2014
ALP

MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
1999 CANDLEWICK DRIVE
FORT MILL, S.C. 29715
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Reference: The Point Sec. 1B, Lot 59, 1849 Brawley School Rd.
House Footprint: See attached
Building Setbacks: 53'front, 50' rear, 20' side
Water Source: Community well
Number of Bedrooms: 4/480 GPD
Proposed LTAR: 0.25 GPD/FT2
Proposed System Type: 25% Reduction
Proposed Repair System Type: LPPPBPS
Distribution: Pressure manifold
Flow per Tap: 5.48 GPM
Tap Size and Material: ½" SCH 80
System Flow: 32.88 GPM
Dosing Volume: 210 gallons
Pump Run Time: 6.4 minutes
Elevation Head: 6.6'
Friction Head: 2.1'
Pressure Head: 2'
Total Dynamic Head: 10.7'
Supply Line Length: 85'
Septic/Pump Tank Size: 1500/1000 gallons
Proposed Trench Bottom: 36"

Line	Design Length	Actual Length	Elevation
Blue 1	**80'**	**86'**	**5.7'**
White 2	**80'**	**86'**	**5.2'**
Pink 3	**80'**	**86'**	**5.3'**
Blue 4	**80'**	**86'**	**5.0'**
White 5	**80'**	**86'**	**5.0'**
Pink 6	**80'**	**86'**	**5.1'**
Blue 7		50'	7.9'
Pink 8		115'	8.2'
White 9		156'	9.7'
Blue 10		121'	11.7'

Initial System: 480'
Pump Tank: 6.6'
Repair System: 442'
House Corner: 8.0'
Benchmark: 13.1'

Comments:
Michael Athanas & Associates shot elevations in the front yard and determined the slope to be less than 2%.