

MICHAEL ATHANAS & ASSOCIATES, INC.
LICENSED SOIL SCIENTIST
1999 CANDLEWICK DRIVE
FORT MILL, SC 29715
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Reference: Data Sheet for Captain's Cove Lot 10
House Footprint: see plat
Building Setback: 35' front/back, 15' side, 50' lake
Water Source: Well
Number of Bedrooms: 3/360gpd
Proposed LTAR: 0.25 gpd/ft2
Suggested system type: PPBPS 54 PANELS
Distribution: Low Pressure-Central Valve Box
Pressure Head: 2'
Flow per tap: ~~0.59 gpm~~ ~~(54)~~ 0.41 GPM
Hole size & Material: ~~3/16"~~ 5/32"
System Flow: ~~31.86 gpm~~ 23 GPM
Dosing volume: 194.4 gallons
Pump Run Time: ~~6.10 min~~ 8.4 MINUTES
Elevation Head: 14'
Friction Head: ~~2.33'~~ 3'
TDH: ~~21.99'~~ 24'
Septic/ Pump tank size: 1000 gallons
Proposed Trench Bottom: 36"
" " WIDTH : 24"

Line	Length		Elevation
White 1	*17'*	30	*0.6'*
Pink 2	*19'*	12	*0.6'*
Blue 3	*20'*	13	*1.3'*
White 4	*24'*	17	*1.4'*
Orange 5	*25'*	18	*3.4'*
Pink 6	*30'*	23	*4.1'*
White 7	*36'*	29	*4.7'*
Orange 8	*50'*	43	*5.1'*
Pink 9	**80'**	165	**6.1'**
White 10	**80'**	205	**7.2'**
Orange 11	**80'**	227	**8.1'**
Not flagged	*40'*	35	

Initial system: 240'(54 panels) ***Repair system:*** *261'*
Tanks Elevation: 15.1' **House Elevation:** 14.7'
Benchmark: 5.3' (Property corner between lot 10 and 9)

Comments: There will not be a foundation drain around the garage. Do not cut for postive drainage. Backfill against the house for positive drainage. The backfill should not extend further than 10' from the house. The septic area should be fenced off during construction to keep traffic off the septic area to prevent any damage or compaction. A well easement was created on lot 9 for lot 10. The water line should be placed beside the driveway opposite of the septic area.