Lot 13 GA. Mills Plantation Fast Track Septic System Information

Number of Bedrooms	4
Basement or Crawl	**Crawl Space**
Design Flow (gpd)	480
LTAR (gpd/ft2)	0.3
Primary System Type	**LP PPBPS**
No. Lines	5 & (See Table)
Total Linear Feet	270
Trench Width	2' min.
Trench Spacing	8' min.
Pump Required	Yes
Distribution Device	Gate Valve Box w/ LPP Distribution
Maintenance Agreement Required	Yes
Length and Diameter of Supply Pipe	65' of 2" SCH 40 PVC
Size of laterals	1 1/4" SCH 40 PVC
Flow Rate through the system	31 gpm
Elevation head	Approx. 8.0'
Pressure head	3.0'
Friction head	1.0'
20% Contingency	2.4'
Total Head	14.4'
Pump Requirements	31 gpm @ 14.4' of head To be designed by installer.
Maximum Dosing Volume	223.2 gal -2.2 doses/day @ design flow*
Volume of water pumped per dose	Calculated to specific tank by measure or dealer engineering specifications (1 cubic ft. of water equals 7.48 gal.)
Pump Run per dose	approx. 7.2 min.
Check Valve	No
Siphon Break hole	Yes
Repair System	**LP PPBPS**
Total Linear Feet	358
Repair LTAR	0.3

***Before placement of cap block, one panel on each line near the center of the field should be observed filling to make certain that it does not overflow top chamber into air chambers of panel. If overflow occurs, reduce floats by 25 gallons and reset until no overflow is observed.**

Table 1: Summary of Primary and Repair Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)	Rod Reading Elev. (Ft.)	Panels	Holes	Hole Spacing	Hole Size (In.)
1	System	White	LPPPBPS	65 endfed	4.2	15	15	1 per panel	5/32"
2	System	Pink	LPPPBPS	* 100 centerfed		23	23	1 per panel	5/32"
3	System	Orange	LPPPBPS	* 105 centerfed		24	24	1 per panel	5/32"
4	Repair	Blue	LPPPBPS	130					
5	Repair	Red	LPPPBPS	104					
6	Repair	White	LPPPBPS	73					
7	Repair	Pink	LPPPBPS	51	11.4				
						Total: 62	Total: 62 (1 in each panel turned up)		

Total System:	270'
Total Repair:	358'

Tank	Red	1000 gal (2 compartment)	2.1
Pump Tank	Red	1000 gal.	2.1
House	Blue		3.3

Note: Shave off all berms

* Each Split into 2 lines for total of 5 lines