Lot 31 GA. Mills Plantation Fast Track Septic System Information

Number of Bedrooms	4
Basement or Crawl	**Crawl Space**
Design Flow (gpd)	480
LTAR (gpd/ft2)	0.25
Primary System Type	**LP PPBPS**
No. Lines	2 (See Table)
Total Linear Feet	320
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	815' of 2" SCH 40 PVC
Size of laterals	1 1/4" SCH 40 PVC
Flow Rate through the system	36 gpm
Elevation head	Approx. 9'
Pressure head	3.0'
Friction head	17.5'
20% Contingency	5.9'
Total Head	35.4'
Pump Requirements	30.5 gpm @ 35.4' of head To be designed by installer. ICHD requires In line pump filter such as Sim Tech
Maximum Dosing Volume	259.2 gal -1.9 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	Yes
Siphon Break hole	Yes
Repair System	**LP PPBPS**
Total Linear Feet	355
Repair LTAR	0.25

***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.)	Elev. (Ft.)	Panels	Holes	Hole Spacing	Hole Size (In.)
1	System	White	LPPPBPS	75 endfed	14.3	17	17	1 per panel	5/32"
2	System	White	LPPPBPS	75 endfed		17	17	1 per panel	5/32"
3	System	Orange	LPPPBPS	85 endfed		19	19	1 per panel	5/32"
4	System	Orange	LPPPBPS	85 endfed		19	19	1 per panel	5/32"
5	Repair	White	LPPPBPS	76					
6	Repair	Blue	LPPPBPS	165					
7	Repair	Pink	LPPPBPS	69					
8	Repair	Orange	LPPPBPS	45	16.6				
						Total: 72	Total: 72 (1 in each panel turned up)		
				Total System: 320'					
				Total Repair: 355'					

Tank	Red	1000 gal (2 compartment)	6.6
Pump Tank	Red	1000 gal.	6.6
House	Pink	Right Rear	6.6

Note: **Elevations to be checked by surveyor prior to installation**
Shape septic area to shed surface water
Septic area located off site on SFE 31-A
Well location must be installed according to permit to maintain proper separation from septic fields