Lot 30 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	3 (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	110' of 2" SCH 40 PVC
Size of laterals	1 1/4" SCH 40 PVC
Flow Rate through the system	36 gpm
Elevation head	Approx. 8.0'
Pressure head	3.0'
Friction head	2.4'
20% Contingency	2.7'
Total Head	16.1'
Pump Requirements	36 gpm @ 16.1' 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	323
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	Repair	White	LPPPBPS	134	4.4				
2	System	Orange	LPPPBPS	132 centerfed		30	30	1 per panel	5/32"
3	System	Blue	LPPPBPS	128 centerfed		29	29	1 per panel	5/32"
4	System	Red	LPPPBPS	60 endfed		13	13	1 per panel	5/32"
5	Repair	Pink	LPPPBPS	95					
6	Repair	White	LPPPBPS	54	6.0				
7	Repair		LPPPBPS	40					
						Total: 72	Total: 72 (1 in each panel turned up)		
				Total System: 320'					
				Total Repair: 323'					

Tank	Red	1000 gal (2 compartment)	3.5
Pump Tank	Red	1000 gal.	3.5
House	Blue	Left Rear	3.7

Note: Remove agricultural terraces and berm at rear of lot to prevent surface ponding