Lot 37 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	3 (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	335' of 2" SCH 40 PVC
Size of laterals	1 1/4" SCH 40 PVC
Flow Rate through the system	30 gpm
Elevation head	Approx. 13.0'
Pressure head	3.0'
Friction head	5.4'
20% Contingency	4.3'
Total Head	25.7'
Pump Requirements	30 gpm @ 25.7' of head To be designed by installer. ICHD requires In line pump filter such as Sim Tech
Maximum Dosing Volume	216 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	Yes
Siphon Break hole	Yes
Repair System	**LP PPBPS**
Total Linear Feet	270
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.)	Elev. (Ft.)	Panels	Holes	Hole Spacing	Hole Size (In.)
1	Repair	Red	LPPPBPS	90	862.8				
2	Repair	Blue	LPPPBPS	90					
3	Repair	White	LPPPBPS	90					
4	System	Orange	LPPPBPS	90 endfed		20	20	1 per panel	5/32"
5	System	Pink	LPPPBPS	90 endfed		20	20	1 per panel	5/32"
6	System	Red	LPPPBPS	90 endfed	862.5	20	20	1 per panel	5/32"
						Total: 60	Total: 60 (1 in each panel turned up)		
				Total System: 270'					
				Total Repair: 270'					

Tank	Red	1000 gal (2 compartment)	860.0
Pump Tank	Red	1000 gal.	860.0
House	Blue	Right Front	860.0

Note: **Elevations to be checked by surveyor prior to installation**
Shape septic area to shed surface water
Install with 36"+ Trench Bottom
Septic area offsite on SFE 37-A