Lot 81 Chesapeake Pointe 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	100' of 2" SCH 40 PVC
Size of laterals	1 1/4" SCH 40 PVC
Flow Rate through the system	30.5 gpm
Elevation head	Approx. 16.6'
Pressure head	3.0'
Friction head	1.6'
20% Contingency	4.2'
Total Head	25.4'
Pump Requirements	30.5 gpm @ 25.4' of head; use Goulds WE05H pump or equivelent with compatible electrical
Maximum Dosing Volume	219.6 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	No
Repair System	**LP PPBPS**
Total Linear Feet	272

***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	Repair		LPPPBPS	20	2.5*				
2	Repair	Orange	LPPPBPS	50	3.3				
3	Repair	Red	LPPPBPS	75					
4	Repair	Pink	LPPPBPS	85					
5	System	Orange	LPPPBPS	100 centerfed		23	23	1 per panel	5/32"
6	System	Red	LPPPBPS	110 centerfed		25	25	1 per panel	5/32"
7	System	Pink	LPPPBPS	60 endfed		13	13	1 per panel	5/32"
8	Repair	Orange	LPPPBPS	42	8.1				
						Total: 61	Total: 61 (1 in each panel turned up)		
				Total System: 270'					
				Total Repair: 272'					

Tank	Orange	1000 gal (2 compartment)	13.1
Pump Tank	Orange	1000 gal.	13.1
House	Blue		10

Note: *Upper line not shot in field. Uppermost elevation estimated at 2.5' for calculations