Lot 12 Fernleaf Subdivision 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	4 (See Table)
Total Linear Feet	267
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	250' 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. 16.2'
Pressure head	3.0'
Friction head	4.1'
20% Contingency	4.7'
Total Head	28'
Pump Requirements	30.5 gpm @ 28' of head To be designed by installer.
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	385
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.)	Rod Reading Elev. (Ft.)	Panels	Holes	Hole Spacing	Hole Size (In.)
1	System	White	LPPPBPS	40 endfed	3.6	9	9	1 per panel	5/32"
2	System	Pink	LPPPBPS	58 endfed		13	13	1 per panel	5/32"
3	System	Blue	LPPPBPS	84 endfed	4.8	19	19	1 per panel	5/32"
4	System	Orange	LPPPBPS	85 endfed		20	20	1 per panel	5/32"
5	Repair	White	LPPPBPS	92					
6	Repair	Red	LPPPBPS	95					
7	Repair	Pink	LPPPBPS	108					
8	Repair	Orange	LPPPBPS	52					
9	Repair	White	LPPPBPS	35	7.8				
						Total: 61	Total: 61 (1 in each panel turned up)		
				Total System: 267'					
				Total Repair: 385'					

Tank	Red	1000 gal (2 compartment)	11.8
Pump Tank	Red	1000 gal.	11.8
House	Blue		

Note: Elevations should be verified prior to system installation.
Lot could require slight shaping to remove old berms