Lot 60 Woodleaf 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	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	200' 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. 15.2'
Pressure head	3.0'
Friction head	3.2'
20% Contingency	4.3'
Total Head	25.7'
Pump Requirements	30.5 gpm @ 25.7' of head; use Goulds WE05H pump or equivelent with compatible electrical
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	327

***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	Orange	LPPPBPS	27	2.4				
2	Repair	Pink	LPPPBPS	67					
3	Repair	Red	LPPPBPS	88					
4	Repair	Orange	LPPPBPS	100					
5	Repair	Red	LPPPBPS	45					
6	System	Pink	LPPPBPS	115 centerfed		26	26	1 per panel	5/32"
7	System	Orange	LPPPBPS	100 centerfed		23	23	1 per panel	5/32"
8	System	Red	LPPPBPS	55 endfed	7.1	12	12	1 per panel	5/32"
						Total: 61	Total: 61 (1 in each panel turned up)		
				Total System: 270'					
				Total Repair: 327'					

Tank	Red	1000 gal (2 compartment)	11.6
Pump Tank	Red	1000 gal.	11.6
House	Blue		12.8