Lot 66 Woodleaf Phase 2 Fast Track Septic System Information

CHANGED TO CRAWL

Number of Bedrooms	4
Basement or Crawl	~~**Basement with Plumbing**~~
Design Flow (gpd)	480
LTAR (gpd/ft2)	0.225
Primary System Type	**LP PPBPS**
No. Lines	5 (See Table)
Total Linear Feet	360
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	265' of 2" SCH 40 PVC
Size of laterals	1 1/4" SCH 40 PVC
Flow Rate through the system	40.5 gpm
Elevation head	Approx. 22.4'
Pressure head	3.0'
Friction head	7.3'
20% Contingency	6.5'
Total Head	39.2'
Pump Requirements	40.5 gpm @ 39.2' of head To be designed by installer.
Maximum Dosing Volume	291.6 gal -1.6 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	432
Repair LTAR	0.225

***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	Orange	LPPPBPS	55 endfed	2.8	12	12	1 per panel	5/32"
2	System	Blue	LPPPBPS	75 endfed		17	17	1 per panel	5/32"
3	System	Red	LPPPBPS	75 endfed		17	17	1 per panel	5/32"
4	System	Orange	LPPPBPS	75 endfed		17	17	1 per panel	5/32"
5	System	Blue	LPPPBPS	80 endfed		18	18	1 per panel	5/32"
6	Repair	Red	LPPPBPS	91					
7	Repair	Orange	LPPPBPS	116					
8	Repair	Pink	LPPPBPS	66					
9	Repair	Blue	LPPPBPS	89					
10	Repair	Red	LPPPBPS	~~70~~ 45	10.8				
						Total: 81	Total: 81 (1 in each panel turned up)		

Total System:	360'
Total Repair:	~~432'~~ 407'

Tank	Red	1000 gal (2 compartment)	19.2
Pump Tank	Red	1000 gal.	19.2
House	Blue	Right Front	15.3

Note: Install with 48" Trench Bottom.