Lot 67 Woodleaf Phase 2 Fast Track Septic System Information

Number of Bedrooms	**4**
Basement or Crawl	**Basement w/ Plumbing**
Design Flow (gpd)	**480**
Primary System LTAR (gpd/ft2)	**0.3**
Primary System Type	**25% Reduction**
No. Lines	4 (See Table)
Total Linear Feet	400
Trench Width	3' min.
Trench Spacing	9' min.
Pump Required	Yes
Distribution Device	Pressure Manifold
Maintenance Agreement Required	No
Length and Diameter of Supply Pipe	170' of 2" SCH 40 PVC
Flow Rate through the system	22 gpm
Elevation head	Approx. 30.2'
Pressure head	2.0'
Friction head	1.3'
20% Contingency	6.7'
Total Head	40.2'
Pump Requirements	22 gpm @ 40.2' of head To be designed by installer.
Maximum Dosing Volume	240 gal -2.0 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. 10.9 min.
Check Valve	Yes
Siphon Break hole	No
Repair System	**LP PPBPS**
Total Linear Feet	270
Repair Loading Rate	0.3

Table: Summary of Primary and Repair Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)	Rod Reading Elevation (Ft.)
1	Repair		LP PPBPS	30	1.6
2	Repair	Red	LP PPBPS	65	
3	Repair	Blue	LP PPBPS	77	
4	Repair	Orange	LP PPBPS	98	
5	System	Red	25% Reduction	100 endfed	
6	System	Blue	25% Reduction	100 endfed	
7	System	Orange	25% Reduction	100 endfed	
8	System	Red	25% Reduction	100 endfed	7.2
				Total System: 400'	
				Total Repair: 270'	

Tank	Red	1000 gal (2 compartment)	25.8
Pump Tank	Red	1000 gal.	25.8
House	Blue	Right Front	10.0

Manifold Information	
Tap Size (In.)	1/2
Tap Material	SCH 80 PVC
No. Taps	4
Barrel Size (In.)	4
Barrel Material	SCH 80 PVC
Flow (gpm)/Tap	5.5