Lot 59 Woodleaf Subdivision Fast Track Septic System Information

Number of Bedrooms	**4**
Basement or Crawl	**Crawl Space**
Design Flow (gpd)	**480**
Primary System LTAR (gpd/ft2)	**0.3**
Primary System Type	**25% Reduction**
No. Lines	5 (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	125' of 2" SCH 40 PVC
Size of laterals	1 1/4" SCH 40 PVC
Flow Rate through the system	27.5 gpm
Elevation head	Approx. 19.7'
Pressure head	2.0'
Friction head	2.0'
20% Contingency	4.7'
Total Head	28.4'
Pump Requirements	27.5 gpm @ 28.4' of head; use Goulds WE05H pump or equivelent with compatible electrical
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. ~~7.2 min.~~ → 8.7 /min
Check Valve	Yes
Siphon Break hole	No
Repair System	**LP PPBPS**
Total Linear Feet	350
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	Orange	LP PPBPS	65	0.4
2	Repair	Blue	LP PPBPS	82	
3	Repair	Red	LP PPBPS	92	
4	Repair	White	LP PPBPS	111	
5	System	Pink	25% Reduction	80 endfed	
6	System	Orange	25% Reduction	80 endfed	
7	System	Blue	25% Reduction	80 endfed	
8	System	Red	25% Reduction	80 endfed	
9	System	White	25% Reduction	80 endfed	10.7
				Total System: 400'	
				Total Repair: 350'	

Tank	Red	1000 gal (2 compartment)	14.1
Pump Tank	Red	1000 gal.	14.1
House	Blue		13.7

Manifold Information	
Tap Size (In.)	1/2
Tap Material	SCH 80 PVC
No. Taps	5
Barrel Size (In.)	4
Barrel Material	SCH 80 PVC
Flow (gpm)/Tap	5.5