Lot 43 Rocky Ridge Farms 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	160' of 2" SCH 40 PVC
Size of laterals	1 1/4" SCH 40 PVC
Flow Rate through the system	31 gpm
Elevation head	Approx. 7.0'
Pressure head	3.0'
Friction head	2.6'
20% Contingency	2.5'
Total Head	15.1'
Pump Requirements	31 gpm @ 15.1' of head; use Goulds WE03L pump or equivelent with compatible electrical
Dosing Volume	223.2 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	Yes
Repair System	**LP PPBPS**
Total Linear Feet	308

***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 (B)	Orange	LPPPBPS	39	6.6				
2	Repair (F)	Orange	LPPPBPS	94	4.5				
3	System	Pink	LPPPBPS	100 centerfed		23	23	1 per panel	5/32"
4	System	Red	LPPPBPS	100 centerfed		23	23	1 per panel	5/32"
5	Repair (F)	Yellow	LPPPBPS	37					
6	System	Pink	LPPPBPS	70 centerfed		16	16	1 per panel	5/32"
7	Repair (F)	Yellow	LPPPBPS	64					
	Repair (F)	Red	LPPPBPS	44					
8	Repair (F)	Orange	LPPPBPS	30	8.6				
						Total: 62	Total: 62 (1 in each panel turned up)		
				Total System: 270'					
				Total Repair: 308'					

Tank	Red	1500 gal (2 compartment)	5.5
Pump Tank	Red	1500 gal.	5.5
House	Blue		3.7

Note: Additional Repair area located behind house
Existing house to be removed and existing well abandoned before obtaining ATC.
New house sits over existing septic system