Lot 14 Country Woods Estates Subdivision Fast Track Septic System Information

Number of Bedrooms	**3**
Basement or Crawl	**Partial Basement w/ Plumbing**
Design Flow (gpd)	**360**
Primary System LTAR (gpd/ft2)	**0.20**
Primary System Type	**Offsite 25% Reduction**
No. Lines	5 (See Table)
Total Linear Feet	450'
Trench Width	3' min.
Trench Spacing	9' min.
Max Trench Depth	**25"**
Pump Required	Yes
Distribution Device	Pressure Manifold
Maintenance Agreement Required	No
Length and Diameter of Supply Pipe	Approx. 680' of 2" SCH 40 PVC
Flow Rate through the system	27.5 gpm
*Elevation head	~21'
Pressure head	2.0'
Friction head	8.5'
20% Contingency	2.5'
Total Head	34'
Pump Requirements	27.5 gpm @ 34' of head ***To be designed by installer** **NOTE: Elevations taken from topo map only and must be verified by installer at time of installation**
Maximum Dosing Volume	210 gal - 1.7 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. 7.6 min.
Check Valve	No
Siphon Break hole	Yes
Repair System	**LP PPBPS**
Total Linear Feet	202'
Repair Loading Rate	0.30 200' Required

Table: Summary of Primary and Repair Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)	Topo Map Elevation (Ft.)
1	Repair	NF	LP PPBPS	20	
2	Repair	Orange	LP PPBPS	28	
3	Repair	Blue	LP PPBPS	44	
4	Repair	White	LP PPBPS	50	
5	Repair	Red	LP PPBPS	60	
6	**System**	**Red**	**25% Reduction**	**90'**	845'
7	**System**	**White**	**25% Reduction**	**90'**	
8	**System**	**Red**	**25% Reduction**	**90'**	
9	**System**	**Blue**	**25% Reduction**	**90'**	
10	**System**	**Orange**	**25% Reduction**	**90'**	835'
				Total System: 450'	
				Total Repair: 202'	

***NOTE: Lowest elevation along septic supply pipe run is 830'**

Tank	Orange	1000 gal (2 compartment)	
Pump Tank	Orange	1000 gal.	840'
House	Blue	Front Left Corner	860'

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

*** Pump specifications should be verified by installer**

NOTE:

1) Use Max trench depth of 25" for initial system and 36" for repair LP PPBPS

2) Elevations taken from topo map only and must be verified by installer at time of installation