Lot 31 Twin Creeks Subdivision Fast Track Septic System Information

Number of Bedrooms	**3**
Basement or Crawl	**Basement w/ Plumbing**
Design Flow (gpd)	**360**
Primary System LTAR (gpd/ft2)	**0.30**
Primary System Type	**25% Reduction**
No. Lines	6 (See Table)
Total Linear Feet	300
Trench Width	3' min.
Trench Spacing	9' min.
Max Trench Depth	36"
Pump Required	Yes
Distribution Device	Pressure Manifold
Maintenance Agreement Required	No
Length and Diameter of Supply Pipe	Approx. 165' of 2" SCH 40 PVC
Flow Rate through the system	33 gpm
Elevation head	Approx. 21'
Pressure head	2.0'
Friction head	3.0'
20% Contingency	1.0'
Total Head	26'
Pump Requirements	33 gpm @ 28' of head *** To be designed by installer.**
Maximum Dosing Volume	155 gal -2.3 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. 5 min.
Check Valve	Yes
Siphon Break hole	Yes
Repair System	**LP 25% Reduction**
Total Linear Feet	302' (300' Required)
Repair Loading Rate (gpd/ft²)	0.25
Max Trench Depth	Lower lines 28"

Table: Summary of Primary and Repair Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)	Elevation (Ft.)
1	Repair	Red	LP 25% Reduc.	38	4.2
2	**System**	**White**	**25% Reduction**	**50**	
3	**System**	**Blue**	**25% Reduction**	**50**	
4	**System**	**Orange**	**25% Reduction**	**50**	
5	**System**	**Pink**	**25% Reduction**	**50**	
6	**System**	**Blue**	**25% Reduction**	**50**	
7	**System**	**Blue**	**25% Reduction**	**50**	
8	Repair	Orange	LP 25% Reduc.	34	
9	Repair	NF	LP 25% Reduc.	30	
10	Repair	Blue	LP 25% Reduc.	50	
11	Repair	Pink	LP 25% Reduc.	50	
12	Repair	White	LP 25% Reduc.	50	15
13	Repair	NF	LP 25% Reduc.	50	
				Total System: 300'	
				Total Repair: 302'	

Tank	1000 gal (2 compartment)	
Pump Tank	1000 gal.	18
House		17

Manifold Information	
Tap Size (In.)	1/2
Tap Material	SCH 80 PVC
No. Taps	6
Barrel Size (In.)	4
Barrel Material	SCH 80 PVC
Flow (gpm)/Tap	5.5

*** Elevations to be Verified by Installer at time of installation**

NOTE:

1) Install initial system using 36" trench depth

2) Keep septic lines ≥15' off from 2' or greater cut bank along road

3) Lower four lines of repair (B, P, W, & NF) use 28" max trench depth