Lot 46 - Shinville Ridge Subdivision Fast Track Septic System Information

Number of Bedrooms:	**4**	
Design Flow (gpd):	480	
Foundation Type:	**Crawl**	
Initial System Type:	**LP PPBPS**	
LTAR (gpd/ft2):	**0.3**	
No. Lines:	4	
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:	~80' of 2" SCH 40 PVC	
Size of laterals:	1 1/4" SCH 40 PVC	
Flow Rate through the system (gpm):	31	
Approx. Elevation head (ft.):	8	
Pressure head (ft.):	3	
Friction head (ft.):	1	
20% Contingency (ft.):	1	
Total Head (ft.):	14	
Approx. Pump Requirements:	**31 gpm @ 14 ft. of head**	
	*** To be designed by installer at time of installion**	
Dosing Volume (gal/dose/day @ design flow):	223.2 gallons	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.)	
Approx. Pump Run Time per dose (min.):	7.2	
Check Valve:	Yes	
Siphon Break hole:	Yes	
Repair System:	**LP PPBPS**	
Total Linear Feet:	279	
Repair LTAR:	0.3	*266.7 ft. Required*

***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.**

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Table 1: Summary of Initial LPPPBPS System Specifications

Line No.	Line Color	Length (ft)	# Panels	**Rod Reading Elev. (Ft.)	Hole Size(In.) per panel
1	Blue	90	21		5/32"
2	Orange	75	17		5/32"
3	Pink	60	14	**8**	5/32"
4	NF	45	10		5/32"
Totals		**270**	**62**		

Table 2: Summary of Repair System Specifications

Laterals	Line Color	Length (ft)	Elev. (Ft.)
1	White	35	**5**
2	Pink	114	
3	Red	100	
4	NF	30	
Totals		**279**	

			Elev. (ft.)
Tank	Red	1500 gal (2 compartment)	
Pump Tank	Red	1500 gal.	5
House	Blue	Back Left Corner	5

**** Elevations should be verified by surveyor at time of installation**

NOTES: ** Place one 5/32" hole per panel

1) Install system using 36" trench depth
2) Well must be placed in area shown on site plan to maintain proper setbacks

***Prior to well installation the placement of wells must be verified by the Iredell County Health Department to ensure that proper setbacks will be maintained**