2. System Specifications

133 Ripplewater Lane - Lot 461 CL&T Fast Track Septic System Information (rev. 2)

(revised 4-21-09 for new drive locaitons)

Number of Bedrooms:	**4**	
Design Flow (gpd):	480	
Foundation Type:	**Crawl - Part. Basement**	
Initial System Type:	**LP PPBPS**	
LTAR (gpd/ft2):	**0.3**	
No. Lines:	6	
Total Linear Feet:	267	
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:	~60' of 2" SCH 40 PVC	
Size of laterals:	1 1/4" SCH 40 PVC	
Flow Rate through the system (gpm):	30	
Approx. Elevation head (ft.):	12	
Pressure head (ft.):	3	
Friction head (ft.):	approx. 3	
20% Contingency (ft.):	3.6	
Total Head (ft.):	21.6	
Approx. Pump Requirements:	**30 gpm @ 21.6 ft. of head**	

(To be verified and designed by installer at time of installion)

Dosing Volume (gal/dose/day @ design flow):	216.0 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:	no	
Siphon Break hole:	yes	
Repair System:	**LP PPBPS**	
Total Linear Feet:	269	
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 (Ft.)	Hole Size(In.) per panel
1	red	40	9	5	5/32"
2	blue	50	11		5/32"
3	Pink	50	11		5/32"
4	red	47	11		5/32"
5	orange	47	11	**8.9**	5/32"
6	Pink	33	7		5/32"
Totals		**267**	**60**		

Table 2: Summary of Repair System Specifications

Laterals	Line Color	Length (ft)	Rod Reading (Ft.)
1	nf	24	
2	white	24	
3	red	78	
4	white	93	16.8
5	nf	50	
Totals		**269**	

			Rod Reading(ft.)
Tank	Pink	1000 gal min.(2 compartmen	
Pump Tank	orange	1000 gal. min	13.3
House	orange	RF Corner	11.5

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

1) Install system using ICHD specified trench depth

Health Department to ensure that proper setbacks will be maintained (well permit required by ICHD)