Lot 95A Holt Lane - Parker System Specifications

Number of Bedrooms	5
Basement or Crawl	**Basement with Plumbing**
Design Flow (gpd)	600
LTAR (gpd/ft2)	0.3
Primary System Type	**LP PPBPS**
No. Lines	6 (See Table)
Total Linear Feet	343
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	345' of 2" SCH 40 PVC
Size of laterals	1 1/4" SCH 40 PVC
Flow Rate through the system	39 gpm
Elevation head	Approx. 30'
Pressure head	3.0'
Friction head	approx 11.3'
20% Contingency	8.8'
Total Head	53.2'
Pump Requirements	39 gpm @ 53.2' of head To be designed by installer.
Maximum Dosing Volume	280 gallons
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	No
Repair System	**LP PPBPS**
Total Linear Feet	395
Repair LTAR	0.3

***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	white	LPPPBPS	32	1.4				
2	**System**	**pink**	**LPPPBPS**	**35**		8	8	1 per panel	5/32"
3	**System**	**blue**	**LPPPBPS**	**50**	3.1	11	11	1 per panel	5/32"
4	**System**	**white**	**LPPPBPS**	**57**		13	13	1 per panel	5/32"
5	**System**	**red**	**LPPPBPS**	**56**		13	13	1 per panel	5/32"
6	**System**	**pink**	**LPPPBPS**	**66**		15	15	1 per panel	5/32"
7	**System**	**orange**	**LPPPBPS**	**79**		18	18	1 per panel	5/32"
8	Repair	white	LPPPBPS	90					
9	Repair	red	LPPPBPS	80					
10	Repair	pink	LPPPBPS	65					
11	Repair	orange	LPPPBPS	65	13.5				
12	Repair	white	LPPPBPS	63					
						Total: 78	Total: 78 (1 in each panel turned up)		

Total System:	343'
Total Repair:	395'

Tank	pink	1500 gal (2 compartment)	23.2
Pump Tank	pink	1500 gal.	23.2
House	red		21.2 (RR)

Note:

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