Lot 827 The Point ICHD Fast Track System Specifications

Number of Bedrooms	4
Basement or Crawl	**Crawlspace**
Design Flow (gpd)	480
LTAR (gpd/ft2)	0.3
Primary System Type	**LP PPBPS**
No. Lines	4 (See Table)
Total Linear Feet	270
Trench Width	3' min.
Trench Spacing	9' min.
Pump Required	Yes
Distribution Device	Gate Valve Box w/ LPP Distribution
Maintenance Agreement Required	Yes
Length and Diameter of Supply Pipe	approx. 180' of 2" SCH 40 PVC
Size of laterals	1 1/4" SCH 40 PVC
Flow Rate through the system	30.5 gpm
Elevation head	Approx. 21'
Pressure head	3.0'
Friction head	approx 5'
20% Contingency	5.8'
Total Head	34.8'
Pump Requirements	30.5 gpm @ 35' of head To be verified by installer.
Maximum Dosing Volume	219 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	280 (267 required)
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: The Point 827 ICHD Fast Track Summary of Primary Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)	Rod Reading (Ft.)	Panels	Holes	Hole Spacing	Hole Size (In.)
1	**System**	**red**	**LPPPBPS**	30 ft. endfed	4.0	7	7	1 per panel	5/32"
2	**System**	**white**	**LPPPBPS**	80 ft. endfed	4.7	18	18	1 per panel	5/32"
3	**System**	**blue**	**LPPPBPS**	80 ft. endfed	5.7	18	18	1 per panel	5/32"
4	**System**	**red**	**LPPPBPS**	80 ft. endfed	6.3	18	18	1 per panel	5/32"
						Total: 61	Total: 61 (1 in each panel turned up)		
				Total System: 270'					
				Total Repair: 280'					

		lower red repair	9.0
Tank		1500 gal (2 compartment)	
Pump Tank		1500 gal.	17.0
House		(LF Garage) Approx.	10.5

Note: **Installer shall verify all line locations, tank locations, and elevations prior to installation.**
System is to be installed according to any other ICHD or DEH requirements or policies.
These specifications are to satisfy the ICHD Fast Track LSS checklist and are not intended to represent an Engineered System Design.