Lot 32 Phase 1C The Point ICHD Fast Track System Specifications - Stonebridge Lux. Homes

Number of Bedrooms	4
Basement or Crawl	**Crawlspace**
Design Flow (gpd)	480
LTAR (gpd/ft2)	0.25
Primary System Type	**LP PPBPS**
No. Lines	5 (See Table)
Total Linear Feet	320
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. 250' of 2" SCH 40 PVC
Size of laterals	1 1/4" SCH 40 PVC
Flow Rate through the system	36 gpm
Elevation head	Approx. 18'
Pressure head	3.0'
Friction head	approx 7'
20% Contingency	5.6'
Total Head	33.6'
Pump Requirements	36 gpm @ 34' of head To be verified by installer and ICHD.
Maximum Dosing Volume	259 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	351 (320 required)
Repair LTAR	0.25

***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 Lot 32 Ph. 1C 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	white	LPPPBPS	40 ft. endfed	3.7	9	9	1 per panel	5/32"
2	System	orange	LPPPBPS	80 ft. centerfed	4.2	18	18	1 per panel	5/32"
3	System	blue	LPPPBPS	100 ft. centerfed	4.6	23	23	1 per panel	5/32"
4	System	white	LPPPBPS	50 ft. endfed	4.8	11	11	1 per panel	5/32"
5	system	red	LPPPBPS	50 ft. endfed	5.6	11	11		
				Total System: 320'		Total: 72	Total: 72 (1 in each panel turned up)		
				Total Repair: 351'					

		lower red repair	9.0
Tank		1500 gal (2 compartment)	
Pump Tank		1500 gal.	13.0
House	(LR)		9.5

Note: **Installer and ICHD 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.
(Rod Reading on grate of storm drain was 15.6 ft.)