Lot 67 Pinnacle Shores Subdivision — Fast Track Septic System Information

Number of Bedrooms	**5**
Basement or Crawl	**Basement w/ Plumbing**
Design Flow (gpd)	**600**
Primary System LTAR (gpd/ft2)	**0.3**
Primary System Type	**25% Reduction**
No. Lines	See Table and Site Plan
Total Linear Feet	502
Trench Width	3' min.
Trench Spacing	9' min.
Pump Required	Yes
Distribution Device	Pressure Manifold and two drop boxes
Maintenance Agreement Required	No
Length and Diameter of Supply Pipe	~1820' of 3" SCH 40 PVC
Flow Rate through the system	23.5 gpm
Elevation head	Approx. 75'
Pressure head	2.0'
Friction head	Approx. 5"
10% Contingency	8.2'
Total Head	90.2'
Pump Requirements	23.5 gpm @ approx. 90.2' of head

***The Elevation and Friction Heads should be calculated by the installer after the final tank elevation is set. The Installer should specify the pump.**

Maximum Dosing Volume	300 gal - 2.0 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.)
Pump Run per dose	approx. 12.7 min.
Check Valve	Yes
Siphon Break hole	No
Repair System	**LP PPBPS**
Total Linear Feet	334
Repair Loading Rate	0.3

Pressure Manifold Design for Lot 67 Pinnacle Shores Primary System

Line (s)	Line Color	Total Length (ft)	Pressure Head (ft)	Tap Size and schedule (in)	Flow through tap (gpm)	flow/ft. of line ratio (gpm/ft line)	Approx. Elevation** (ft)
1 and 2*	red and pink	145	2	1/2 in SCH 40	7.11	0.049	854.3 -- red
3	white	119	2	1/2 in SCH 80	5.48	0.046	
4	red	119	2	1/2 in SCH 80	5.48	0.046	
5 and 6*	orange and pink	119	2	1/2 in SCH 80	5.48	0.046	850.9 pink
		Total = 502 ft.			Total Flow = 23.55 gpm		

Tank	Orange	gpm 1500 ~~1000~~ gal (2 compartment)	
Pump Tank	Orange	1500 ~~1000~~ gal.	
House	red	Left Rear Corner	786
			790

*Lines connected with drop box.

Manifold Information	
Tap Size (In.)	see table above
Tap Material	see table above
No. Taps	4
Barrel Size (In.)	4
Barrel Material	SCH 80 PVC
Flow (gpm)/Tap	see table above

NOTES:

****Elevations from lot to septic area taken from topo map and must be verified by installer or surveyor prior to installation.**