## Lot 33 Woodleaf Subdivision Fast Track Septic System Information

| | |
|---|---|
| **Number of Bedrooms** | 4 |
| **Basement or Crawl** | Crawl Space |
| **Design Flow (gpd)** | 480 |
| **LTAR (gpd/ft2)** | 0.3 |
| **Primary System Type** | **LP PPBPS** |
| No. Lines | 2 (See Table) — 4 probably better |
| Total Linear Feet | 270 |
| 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 | 50' of 2" SCH 40 PVC |
| Size of laterals | 1 1/4" SCH 40 PVC |
| Flow Rate through the system | 31 gpm |
| Elevation head | Approx. 8.3' |
| Pressure head | 3.0' |
| Friction head | 1.0' |
| 20% Contingency | 2.5' |
| Total Head | 14.8' |
| Pump Requirements | 31 gpm @ 15' of head; use Goulds WE03L pump or equivelent with compatible electrical |
| Dosing Volume | 223.2 gal -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.) |
| Pump Run per dose | approx. 7.2 min. |
| Check Valve | Yes |
| Siphon Break hole | No |
| **Repair System** | **LP PPBPS** |
| Total Linear Feet | 283 |

167 gal ± a good option

5.4 min

This is a max, not necessarily the best

Avg 20 gal/min for most pumps at 1000 gal tanks in this area

***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.**

NO center feed OR USE 4 VALVES to endfeed in center of long laterals

## 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 | System | Red | LPPPBPS | 105 endfed | 4.4 | 24 | 24 | 1 per panel | 5/32" |
| 2 | System | Orange | LPPPBPS | 165 endfed | 5.2 | 38 | 38 | 1 per panel | 5/32" |
| 3 | Repair | Orange | LPPPBPS | 120 | 6.2 | | | | |
| 4 | Repair | Pink | LPPPBPS | 100 | 7.2 | | | | |
| 5 | Repair | Blue | LPPPBPS | 63 | 8 | | | | |
| | | | | | | Total: 62 | Total: 62 (1 in each panel turned up) | | |
| | | | | Total System: 270' | | | | | |
| | | | | Total Repair: 283' | | | | | |

| | | | |
|---|---|---|---|
| Tank | Red | 1000 gal (2 compartment) | 6.7 |
| Pump Tank | Red | 1000 gal. | 6.7 |
| House | Blue | | 8.2 |