## CALCULATIONS

Location OAK RIDGE

Project Number

Lot No: Lot 5

| | | |
|---|---|---|
| No. of Bedrooms | 3 | |
| Design Flow | 360 | $^{gal}/_{day}$ |
| LTAR | 0.3 | $^{gal}/_{ft^2\ day}$ |
| 25% RED.? (YES OR NO) | YES | |
| Supply Line Length | 20 | ft. |
| Supply Line Volume | 3.48 | gal. |
| Required Feet of Line | 300 | ft. |
| Amount of Line from Layout | 360 | ft. |
| Gallons per Minute | NA | $^{gal}/_{min}$ |
| Required Septic Tank Capacity | 1000 | gal. |
| Minimum Standard Tank Size | 1000 | |
| Lateral Line Volume | 235.08 | gal. |
| Dosing Volume | NA | gal. |

*Note: Dosing Volume based on70% of lateral line volume*

| | | |
|---|---|---|
| Tank Draw Down | NA | *Generic Draw Down of 21 gal.per in.* |
| Pump Run Time | NA | minutes |
| Elevation Head | NA | ft. |
| Pressure Head | NA | ft. |
| Friction Factor | NA | ft./100 ft. *(From the interpolater.)* |
| Friction Head | NA | ft. |
| Total Dynamic Head (+15%) | NA | ft. |

FRICTION FACTOR INTERPOLATER
2" SCH 40 PVC

| GPM | *f* |
|---|---|
| 20 | 0.84 |
| | -0.88 |
| 25 | 1.27 |
| | -1.28 |
| 30 | 1.78 |
| | -1.76 |
| 35 | 2.37 |
| | -2.25 |
| 40 | 3.03 |
| 43.07 | 3.48 |
| 45 | 3.77 |
| 48.14 | 4.28 |
| 50 | 4.58 |
| 57.11 | 5.89 |
| 60 | 6.42 |