# PALOS VERDES LOT #16

*Number of Bedrooms/Proposed Daily Flow:* **(4) / 480gpd**
*Proposed LTAR:* **0.30gpd/ft2**
*Water Source:* **Private Well**
*Building Envelope:* **70' X 50'**
*Building Setbacks:* **35' (front & rear), 15' (left side), 20' (corner side)**
*Proposed System Type*: **Gravity PPBPS**
*# of Panels*: **62**
*Distribution Network:* **Septic Tank--------Flow Divider---------Distribution Boxes (2)**

---

| LINE | LENGTH | ELEVATION |
|---|---|---|
| Y1 | 43' | 2.3' |
| R2 | 73' | 3.3' |
| Y3 | 97' | 4.0' |
| ***R4*** | ***110'*** | ***4.7'*** |
| ***Y5*** | ***110'*** | ***5.2'*** |
| ***R6*** | ***110'*** | ***5.9'*** |
| Y7 | 47' | 5.9' |
| R8 | 65' | 5.4' |

| | |
|---|---|
| House Corner (Rear Left) | 2.0' |
| Septic Tank | 2.2' |
| Bench Mark (top of ground @stake) | 2.2' |

***Initial System: R4 through R6 = 6 X 45 = 270'***

Repair System: Y1 through Y3, Y7 & R8 = 325', LP PANEL

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet _1__ of _1___
PROPERTY ID #: _____
COUNTY: _Iredell_

# SOIL/SITE EVALUATION
## *for* ON-SITE WASTEWATER SYSTEM

OWNER: _____ Marty Maltby _____
ADDRESS: _____ Palos Verde Subdivision Lot #16 _____ APPLICATION DATE ___2005_
PROPOSED FACILITY: _ 4 bedroom house_ PROPOSED DESIGN FLOW (.1949): __480gpd_____ DATE EVALUATED: __20(
LOCATION OF SITE: ___HWY 150W, Rt on Bluefield, Lt on Big Indian, Palos Verde Subd. On Rt.___ PROPERTY SIZE: _____0.606ac_____
WATER SUPPLY: ❑ Private ❑ Public ❑ Well ❑ Spring ❑ Other _____ PROPERTY RECORDED: _____
EVALUATION METHOD: ❑ Auger Boring ❑ Pit ❑ Cut TYPE OF WASTEWATER: ❑ Sewage ❑ Industrial Process ❑ Mixed

| PROFILE # | .1940 LANDSCAPE POSITION/ SLOPE % | HORIZON DEPTH (IN.) | SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE | SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY | OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR | OTHER PROFILE FACTORS .1943 SOIL DEPTH | OTHER PROFILE FACTORS .1956 SAPRO CLASS | OTHER PROFILE FACTORS .1944 RESTR HORIZ | PROFILE CLASS & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| 21 | L 6 - 10 | 0-18 | MSBK/ABK/ C | FR/SS/SP/SEXP | N/A Orange relicts | 47" | N/A | N/A | PS 0.3gpd/ft2 |
| | | 18-36 | FSBK/C | FR/SS/SP/SEXP | | | | | |
| | | 36-47 | FWSBK/CL | FR/SS/SP/SEXP | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 22 | L 6 - 10 | 0-12 | SBK/CL | FR/SS/SP/SEXP | N/A | 42" | N/A | N/A | PS 0.3gpd/ft2 |
| | | 12-42 | WSBK/CL | FR/SS/SP/SEXP | | | | | |
| | | 27-48 | WSBK/C | F/S/P/SEXP | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 68 | L 6 - 10 | 0-7 | WSBK/SCL | FR/SS/SP/SEXP | N/A | 48" | N/A | N/A | PS 0.3-0.35 gpd/ft2 |
| | | 7-27 | MABK/SBK/ C | FR/SS/P/SEXP | | | | | |
| | | 27-48 | WSBK/CL | FR/SS/SP/SEXP | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 105 | | 0-20 | wksk Drwsl | Sasp | | | | | |
| | | 20-40 | wsbk rc | frsstp | | | | | |
| | | 40-68 | wsbk Rcl | frsstp | | | | | |
| | | | +SAP | | | | | | .3 |
| | | | | | | | | | |

| DESCRIPTION | INITIAL SYSTEM | REPAIR SYSTEM |
|---|---|---|
| Available Space (.1945) | 540 SF | 650 SF |
| ystem Type(s) | PPBPS | PPBPS |
| ite LTAR | 0.30gpd/ft2 | 0.3gpd/ft2 |

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): ___PS_____
EVALUATED BY: __MikeAthanas, LSS & Ashley Rollans, LSS_____
OTHER(S) PRESENT: _____