THE OAKS GROUP, PA

To: Iredell County Environmental Health Department (ICHD)

From: Kathleen Saunders, LSS

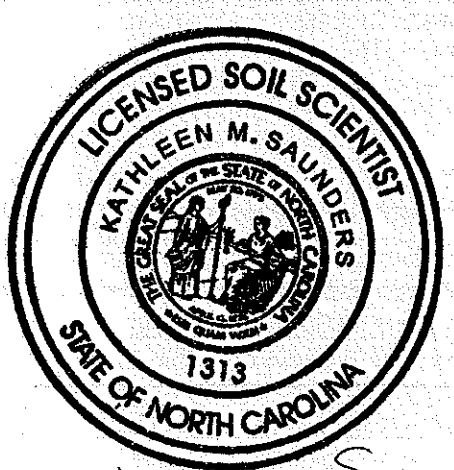
RE: 127 Four Winds Drive

Date: May 17, 2016

Attached is the septic specification information required to permit 127 Four Winds Drive for an Improvement Permit and/or Construction Authorization Permit in Iredell County via the Expedited Review Process.

The attached information is not an Improvement Permit or an Authorization to Construct, and is only to assist the ICHD with permitting. The ICHD has to approve each lot and only the ICHD can issue these permits. The system should be installed according to the ICHD permits, policies, and NC Rules, which these specifications are in accordance with. If the ICHD wishes to change tank locations, distribution devices, etc they may do so at their discretion.

All information and specifications have been prepared in conjunction with ICHD permitting guidelines for the current lot owners to acquire an Improvement Permit and/or Authorization to Construct on this lot. It is ultimately the ICHD's responsibility to verify all specifications, including soil descriptions, before permitting and/or septic system installation.




Kathleen Saunders

## 127 Four Winds Drive Fast Track - The Oaks Group, PA

| | |
|---|---|
| **Number of Bedrooms** | **3** |
| **Basement or Crawl** | **Crawl Space** |
| **Design Flow (gpd)** | **360** |
| **Primary System LTAR (gpd/ft2)** | **0.3** |
| **Primary System Type** | **25% Reduction** |
| No. Lines | 3 (See Table) |
| Total Linear Feet | 300 |
| Trench Width | 3' min. |
| Trench Spacing | 9' min. |
| Distribution Device | Drop Boxes or Other |
| Tank Size | 1000 gallon tank |
| Max Trench Bottom Depth (Low Side) | 24" |
| Maintenance Agreement Required | No |
| **Repair System** | **LP PPBPS** |
| Total Linear Feet | 235 |
| Repair Loading Rate | 0.3 |

### Table: Summary of Primary and Repair Nitrification Line Specifications

| Line No. | Use | Line Color | System Type | Line Length (Ft.) |
|---|---|---|---|---|
| 1 | Repair | Red | LP PPBPS | 78 |
| 2 | System | Blue | 25% Reduction | 97 endfed |
| 3 | System | Orange | 25% Reduction | 113 endfed |
| 4 | System | Pink | 25% Reduction | 90 endfed |
| 5 | Repair | Red | LP PPBPS | 88 |
| 6 | Repair | Blue | LP PPBPS | 69 |
| | | | | Total System: 300' |
| | | | | Total Repair: 235' |

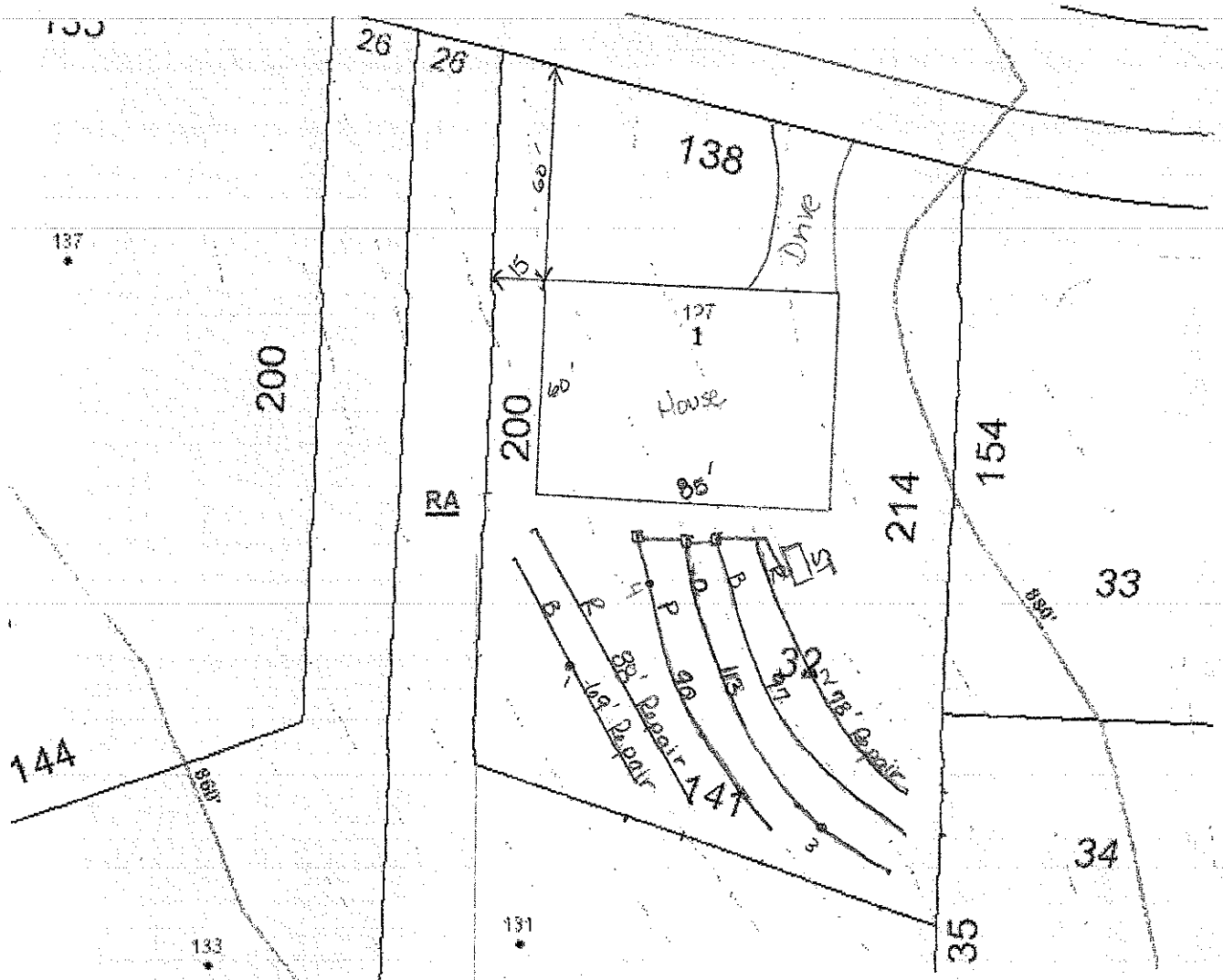
**Note: Keep proper setbacks to foundation drains**
**Distribution devices and tank locations can be altered at ICHD's discretion**
**Shave berms to prevent surface water from ponding**
**Tanks must be set to achieve gravity flow once final foundation placement is set**

CONNECTGIS WEB HOSTING

Iredell County

1:50

Search




Excel 2000/2003 Results

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1" = 50'

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DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

Sheet 1 of 1
PROPERTY ID #: 4757 48 8009
COUNTY: Iredell

HSL

# SOIL/SITE EVALUATION
*for* ON-SITE WASTEWATER SYSTEM
(Complete all fields in full)

OWNER: Jeff Miller
ADDRESS: 127 Four Winds
PROPOSED FACILITY: SFR
PROPOSED DESIGN FLOW (.1949): 360
LOCATION OF SITE: 127 Four Winds
APPLICATION DATE: 5/17/16
DATE EVALUATED: 5/10/16
PROPERTY SIZE: 0.64
PROPERTY RECORDED: Yes

WATER SUPPLY: ☐ Private ☒ Public ☐ Well ☐ Spring ☐ Other
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 | .1941 CONSISTENCE/ MINERALOGY | OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR | .1943 SOIL DEPTH | .1956 SAPRO CLASS | .1944 RESTR HORIZ | PROFILE CLASS & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| 1 | L ~5-10% | 0-14 | Mo SBK C | FR SS/SP | R; F/C Mica | | | | 0.3 PS |
| | | 14-44 | WK SBK CL | ↓ | R; C Mica | | | | |
| | | 44-48 | MA L Sap | ↓ | RBr; C Mica | 44" | PS 44"+ | +48" | |
| 2 | L ~5-10% | 0-26 | Mo SBK C | FR SS/SP | R; C Mica | | | | 0.3 PS |
| | | 26-44 | WK SBK CL | ↓ | R; C Mica | | | | |
| | | 44-50 | MA L Sap | ↓ | R; C Mica | 44" | PS 44+ | +48" | |
| 3 | L ~5-10% | 0-37 | Mo SBK C | FR SS/SP | R | | | | 0.3 PS |
| | | 37-48 | WK SBK CL | ↓ | R; F Sap | +48" | +48" | +48" | |
| 4 | L ~5-10% | 0-38 | Mo/WK SBK C | FR SS/SP | R; F Sap | | | | 0.3 PS |
| | | 38-48 | WK SBK CL | ↓ | R; C Sap | +48" | +48" | +48" | |

| DESCRIPTION | INITIAL SYSTEM | REPAIR SYSTEM |
|---|---|---|
| Available Space (.1945) | PS | PS |
| System Type(s) | III g | IV |
| Site LTAR | 0.3 | 0.3 |

OTHER FACTORS (.1946): N/A
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: KMS
OTHER(S) PRESENT: N/A

COMMENTS: Remove/Shave berm to prevent ponding

Updated February 2014