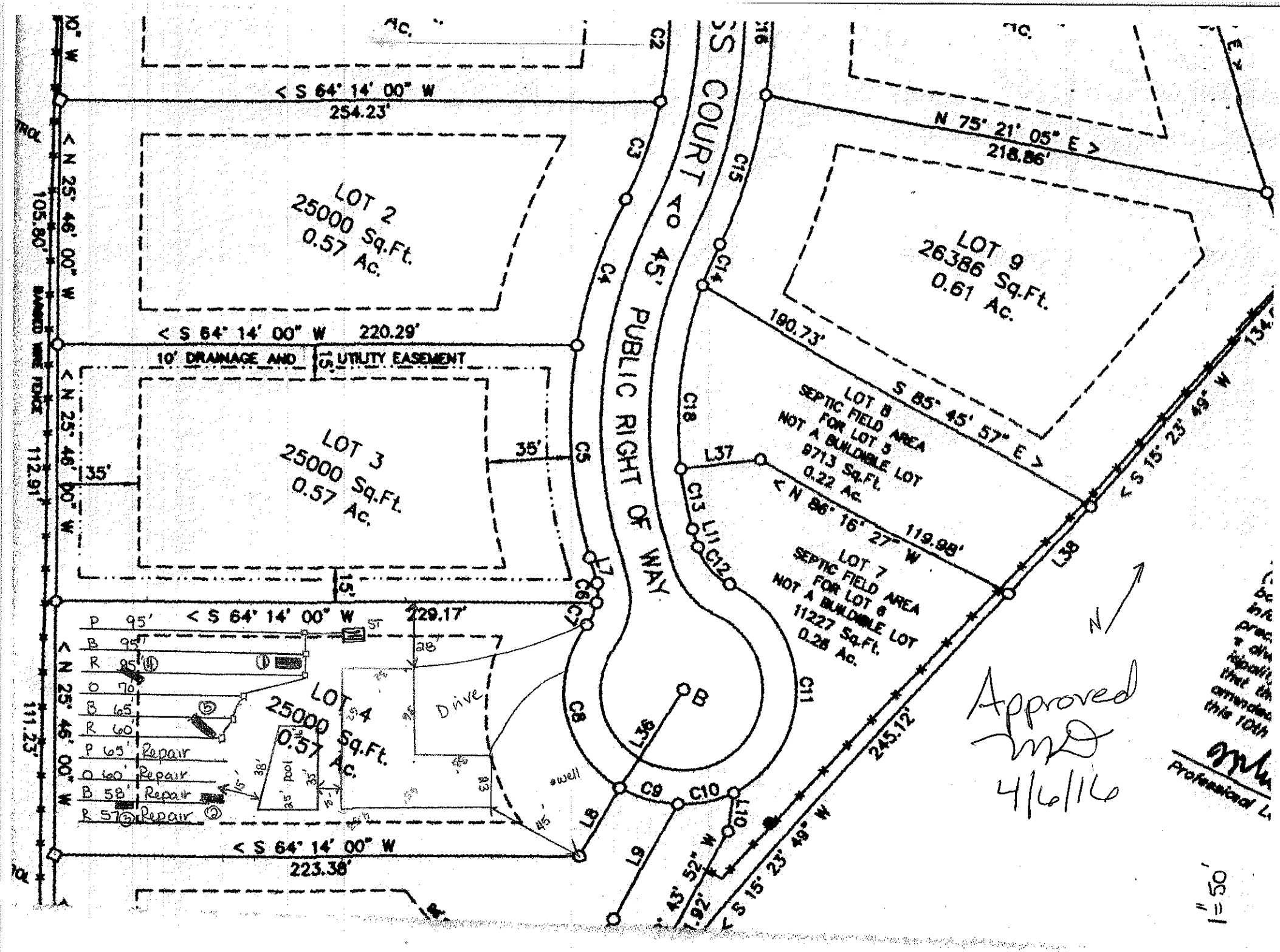

< S 64° 14' 00" W
254.23'
< N 25° 46' 00" W
105.80'
BARBED WIRE FENCE
< S 64° 14' 00" W 220.29'
10' DRAINAGE AND UTILITY EASEMENT
< N 25° 46' 00" W
112.91'
35'
35'
15'
< S 64° 14' 00" W 229.17'
< N 25° 46' 00" W
111.23'
< S 64° 14' 00" W
223.38'
LOT 2
25000 Sq.Ft.
0.57 Ac.
LOT 3
25000 Sq.Ft.
0.57 Ac.
LOT 4
25000 Sq.Ft.
0.57 Ac.
P 95'
B 95'
R 85'
O 70'
B 65'
R 60'
P 65' Repair
O 60' Repair
B 58' Repair
R 57' Repair
Drive
pool
well
S COURT
45' PUBLIC RIGHT OF WAY
N 75° 21' 05" E
218.86'
LOT 9
26386 Sq.Ft.
0.61 Ac.
190.73'
S 85° 45' 57" E
LOT 8
SEPTIC FIELD AREA
FOR LOT 5
NOT A BUILDABLE LOT
9713 Sq.Ft.
0.22 Ac.
< N 86° 16' 27" W
119.98'
LOT 7
SEPTIC FIELD AREA
FOR LOT 6
NOT A BUILDABLE LOT
11227 Sq.Ft.
0.28 Ac.
< S 15° 23' 49" W
245.12'
< S 43° 52' W
1.92'
< S 15° 23' 49" W
N
Approved
MD
4/6/16
1" = 50'

THE OAKS GROUP, PA

To: Iredell County Environmental Health Department (ICHD)

From: Kathleen Saunders, LSS

RE: 120 Jess Court

Date: March 31, 2016

Attached is the septic specification information required to permit 120 Jess Court 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.

LICENSED SOIL SCIENTIST
KATHLEEN M. SAUNDERS
1313
STATE OF NORTH CAROLINA

Kathleen Saunders

## Jess Court Lot 4 Fast Track - The Oaks Group, PA

| | |
|---|---|
| **Number of Bedrooms** | **3** |
| **Basement or Crawl** | **Crawl Space** |
| **Design Flow (gpd)** | **360** |
| **Primary System LTAR (gpd/ft2)** | **0.25** |
| **Primary System Type** | **Conventional** |
| No. Lines | 6 (See Table) |
| Total Linear Feet | 480 |
| Trench Width | 3' min. |
| Trench Spacing | 9' min. |
| Distribution Device | Drop Boxes or Other |
| Tank Size | 1000 gallon tank |
| Max Trench Bottom Depth | 42" |
| Maintenance Agreement Required | No |
| **Repair System** | **LP PPBPS** |
| Total Linear Feet | 240 |
| Repair Loading Rate | 0.25 |

Approved
MD
4/6/16

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

| Line No. | Use | Line Color | System Type | Line Length (Ft.) |
|---|---|---|---|---|
| 1 | Repair | Orange | LP PPBPS | 20 |
| 2 | Repair | Red | LP PPBPS | 56 |
| 3 | Repair | Pink | LP PPBPS | 54 |
| 4 | Repair | Blue | LP PPBPS | 50 |
| 5 | Repair | Orange | LP PPBPS | 38 |
| 6 | Repair | Blue | LP PPBPS | 56 |
| 7 | System | Pink | Conventional | 112 endfed |
| 8 | System | Red | Conventional | 102 endfed |
| 9 | System | Orange | Conventional | 89 endfed |
| 10 | System | Blue | Conventional | 73 endfed |
| 11 | System | Pink | Conventional | 57 endfed |
| 12 | System | Red | Conventional | 47 endfed |
| | | | | Total System: 480' |
| | | | | Total Repair: 240' |

**Note: Tank and distribution device locations can be altered at the discretion of ICHD.**
**Keep proper setbacks to foundation drains**
**Grade off berms and grade out ditch in middle of drain field. Grading ditch requires removal of approximately 6 inches of soil atnatural grade in addition to berm removal**

Department of Environment, Health, and Natural Resources
Division of Environmental Health
On-site Wastewater Section

Sheet:
Property ID:
Lot #: 4
File #:
AppID:

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

Owner: Oscar Koehler
Address: 167 Maple View Dr Troutman
Proposed Facility: SFR  Design Flow (.1949) 360
Location of Site: Jess Ct Lot 4

Applicant:
Date Evaluated: 3/14/16
Property Size: 0.57Ac
Property Recorded:

Water Supply: [ ] Public [ ] Individual [X] Well [ ] Spring [ ] Other
Evaluation Method: [ ] Auger Boring [X] Pit [ ] Cut
Type of Wastewater: [X] Sewage [ ] Industrial Process [ ] Mixed

Approved 4/6/16 mzg

| PROFILE # | .1940 Landscape Position/ Slope% | Horizon Depth (IN.) | SOIL MORPHOLOGY .1941 .1941 Structure/ Texture | .1941 Consistence Mineralogy | b PROFILE FACTORS .1942 Soil Wetness/ Color | .1943 Soil Depth (IN.) | .1956 Sapro Class | .1944 Restr Horiz | Profile Class & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| 1 | L | 0-30 | mo ABK C | Fi s/p | R; C yel/bro | | | | 0.25 w/ 42" TB |
| | | 30-36 | mo ABK C | Fr ss/sp | R | | | | |
| | | 36-65 | wk SBK C | ↓ | R; C Sap | | | | |
| | | | | * 24" horz | vein pale bro/yel bro 2 chr less than 2% | | | | |
| 2 | L 7-8% | 0-28 | mo ABK C | Fi s/p | R, C yel/bro 2 chroma towards steps | | | | 0.25 w/ 42" TB |
| | | 28-65 | wk SBK C | Fr ss/sp | R; C Sap | | | | |
| 3 | L | 0-17 | Fill | | | | | | 0.3 w/ 42" TB |
| | | 17-44 | mo SBK C | Fr ss/sp | R | | | | |
| | | 44-65 | wk SBK C | ↓ | R; C Sap | | | | |
| 4 | L | 0-17 | Fill | | | | | | 0.25 w/ 42" TB |
| | | 17-41 | mo ABK C | Fi s/p | R; yel/bro to 30" | | | | |
| | | 41-80 | wk SBK C | Fr ss/sp | R; C Sap | | | | |

| Description | Initial System | Repair System |
|---|---|---|
| Available Space (.1945) | | |
| System Type(s) | Conv. | LP PPBPS |
| Site LTAR | 0.25 | 0.25 |

Other Factors (.1946): Shave berms & grade ditch
Soil Evaluation By: KMS
Others Present: ELH
Site Classification (.1948): PS
Site Evaluation By: KMS
Others Present: ELH

5 0-8 mo GR SCL
8-27 mo ABK C; C yel Br R
27-72 wk SBK C; C Sap R
RB FR ss/sp ↓ 0.25 w/ 42" TB