THE OAKS GROUP, PA

APPROVED JAN 26 2016

To: Iredell County Environmental Health Department (ICHD)

From: Kathleen Saunders, LSS

RE: 568 Wiggins Road

Date: January 21, 2016

Attached is the septic specification information required to permit 568 Wiggins Rd. for an Improvement 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 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

568 Wiggins Road Fast Track - The Oaks Group, PA

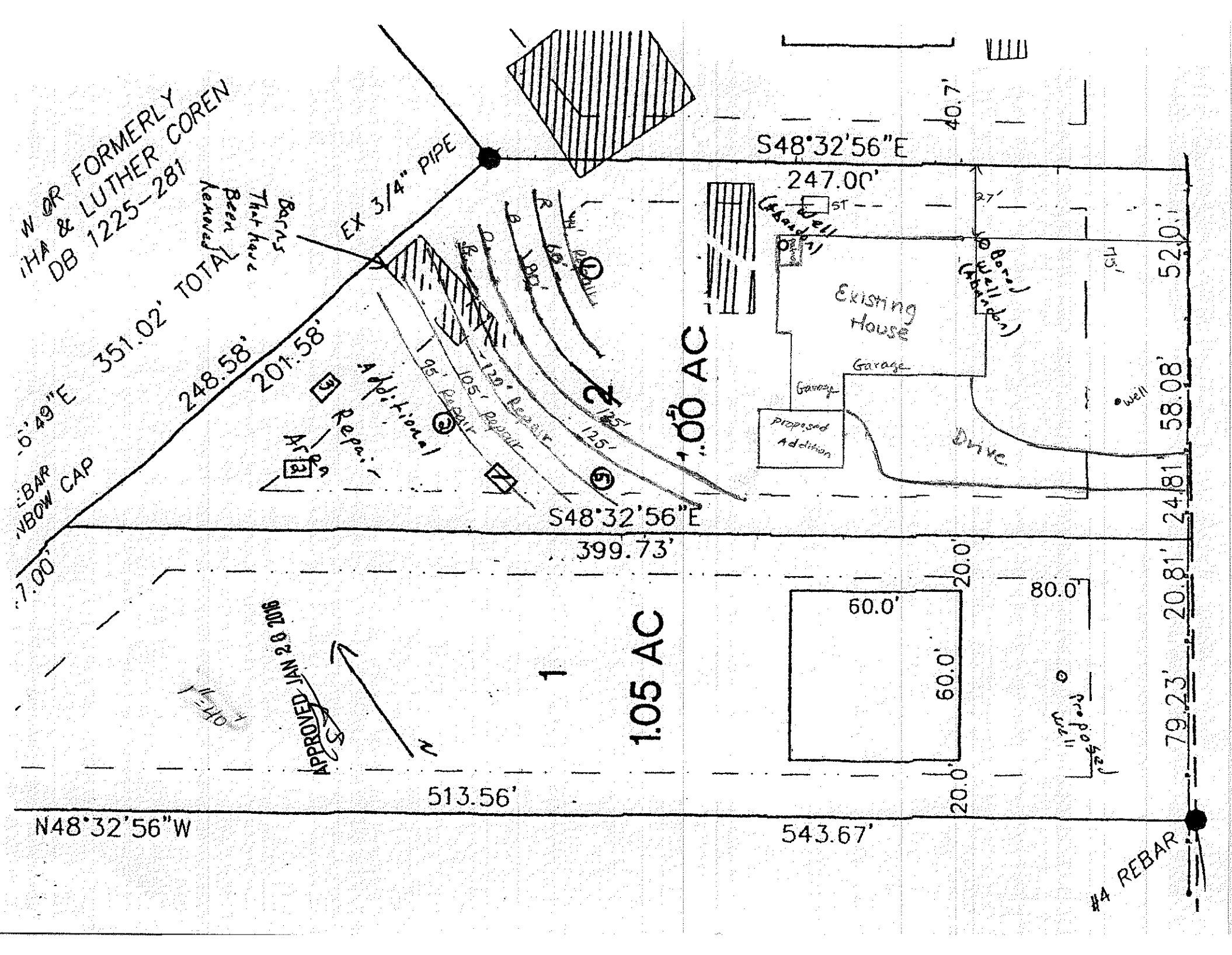
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Number of Bedrooms	**4**
Basement or Crawl	**Concrete Slab**
Design Flow (gpd)	**480**
Primary System LTAR (gpd/ft2)	**0.3 (Existing Permit)**
Primary System Type	**25% Reduction**
No. Lines	4 (See Table)
Total Linear Feet	400
Trench Width	3' min.
Trench Spacing	9' min.
Distribution Device	Drop Boxes or Other
Tank Size	1000 gallon tank
Max Trench Bottom Depth (Low Side)	Per Permit
Maintenance Agreement Required	No
Repair System	**LP PPBPS**
Total Linear Feet	364+
Repair Loading Rate	Per Permit

Table: Summary of Primary and Repair Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)
1	System		LP PPBPS	44
2	System	Red	25% Reduction	60 ft Existing
3	System	Blue	25% Reduction	80 ft Existing
4	System	Orange	25% Reduction	135 ft Existing
5	Repair	Red	25% Reduction	125 Existing
6	Repair		LP PPBPS	120
7	Repair		LP PPBPS	105
8	Repair		LP PPBPS	95
				Total System: 400'.
				Total Repair: 364'

Note: System lines located using probe
Repair lines added per existing permit
Use existing permit for information about repair areas, trench depths and LTAR's


W OR FORMERLY
IHA & LUTHER COREN
DB 1225-281
EX 3/4" PIPE
Barns That have Been removed
351.02' TOTAL
-6'49"E
248.58'
201.58'
-BAR
NBOW CAP
7.00'
S48°32'56"E
247.00'
40.7'
27'
52.0'
75'
Existing House
Garage
Garage
Proposed Addition
Drive
well
58.08'
24.81'
Addition
Repair
Area
95' Repair
105' Repair
139' Repair
125'
125'
60'
180'
1.00 AC
2
S48°32'56"E
399.73'
20.0'
80.0'
60.0'
60.0'
Proposed well
20.81'
79.23'
1.05 AC
1
APPROVED JAN 20 2016
1"=40'
N
513.56'
20.0'
N48°32'56"W
543.67'
#4 REBAR

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

Sheet ___ of ___
PROPERTY ID #: _____
COUNTY: _____

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

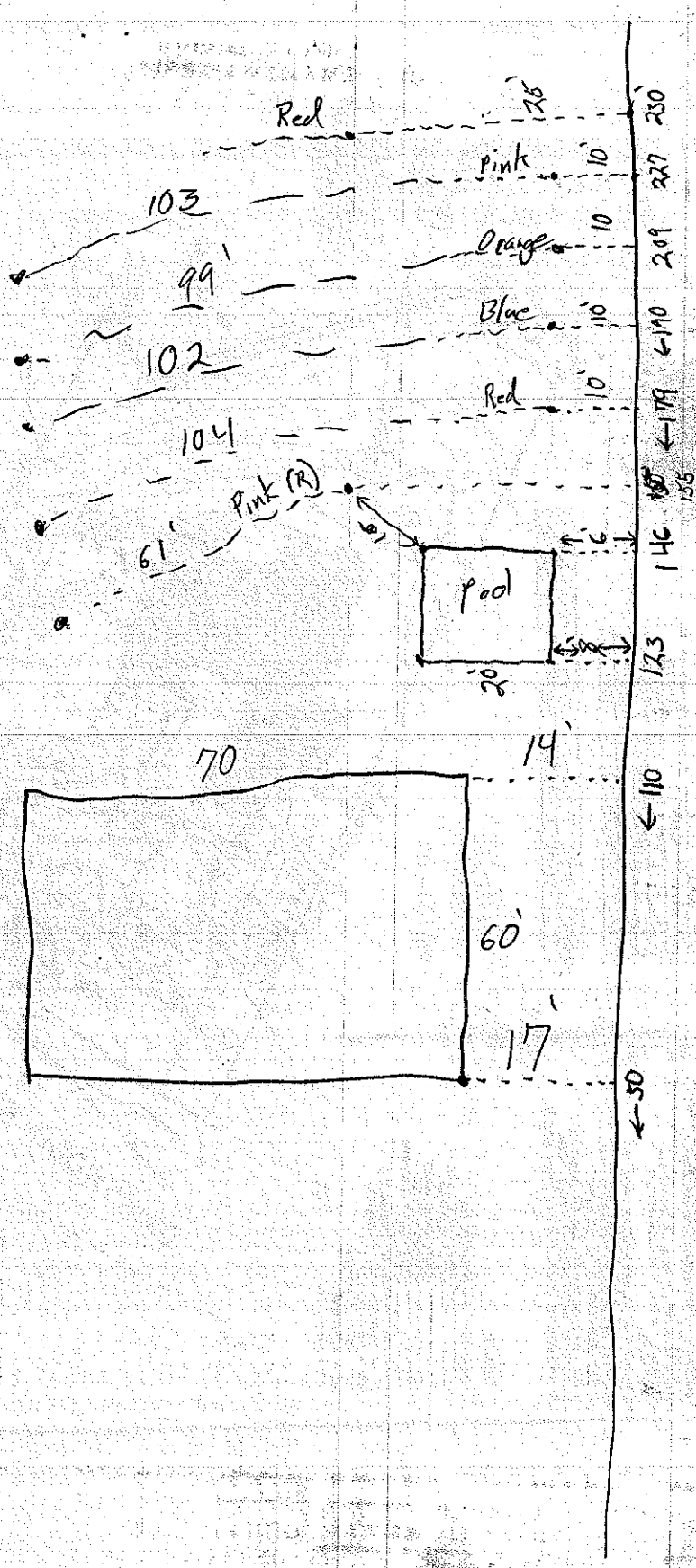
OWNER: Thornton Brooks — APPLICATION DATE 1-15-16
ADDRESS: 105 Walden Drive Mooresville, NC — DATE EVALUATED: 1-28-16
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ — PROPERTY SIZE: 1 acre
LOCATION OF SITE: 105 Walden Drive — PROPERTY RECORDED: Yes
WATER SUPPLY: ☒ Private ☐ Public ☐ Well ☐ 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	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
Pit 1 Bottom of Repair	Linear Toe Slope	0-14	weak SBK clay loam	Friable, SS, SP, SCVP	—	62	—	—	0.3 PS
		14-42	clay strong SBK	slightly Friable, SS, SP, SCVP					
		42-62	clay loam weak SBK	Friable, SS, SP, SCVP					
			some saprolite inclusions						
2 Auger Boring Primary Rec D/F Lateral Primary Area	Linear Toe Slope	0-13	weak SBK clay/clay loam	slightly Friable, SS, SP, SCVP	—	48	—	—	03 PS
		13-41	clay strong SBK	slightly Friable, SS, SP, SCVP					
		41-48	clay loam weak ABK	slightly Friable, SS, SP, SCVP					
			some saprolite @ 24-35"						
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	300 25% Reduction	200
System Type(s)	25% reduction 4-PPBPS	
Site LTAR	0.3	0.3

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____
EVALUATED BY: Tom Shuck
OTHER(S) PRESENT: Kathleen Saunders + Emma

COMMENTS: Remove berms as needed + perhaps create surface berm along R to divert surface runoff.


Red
25'
230
Pink
10'
220
103
Orange
10'
209
99'
Blue
10'
190
102
Red
10'
179
104
Pink (R)
61'
6'
146
Pool
6'
123
20'
70
14'
110
60'
17'
50