THE OAKS GROUP, PA

To: Iredell County Environmental Health Department (ICHD)

From: Kathleen Saunders, LSS

RE: 128 Millhouse Road, Mooresville NC

Date: March 22, 2016

Attached is the septic specification information required to permit 128 Millhouse Road for an Improvement Permit in Iredell County via the Expedited Review Process.

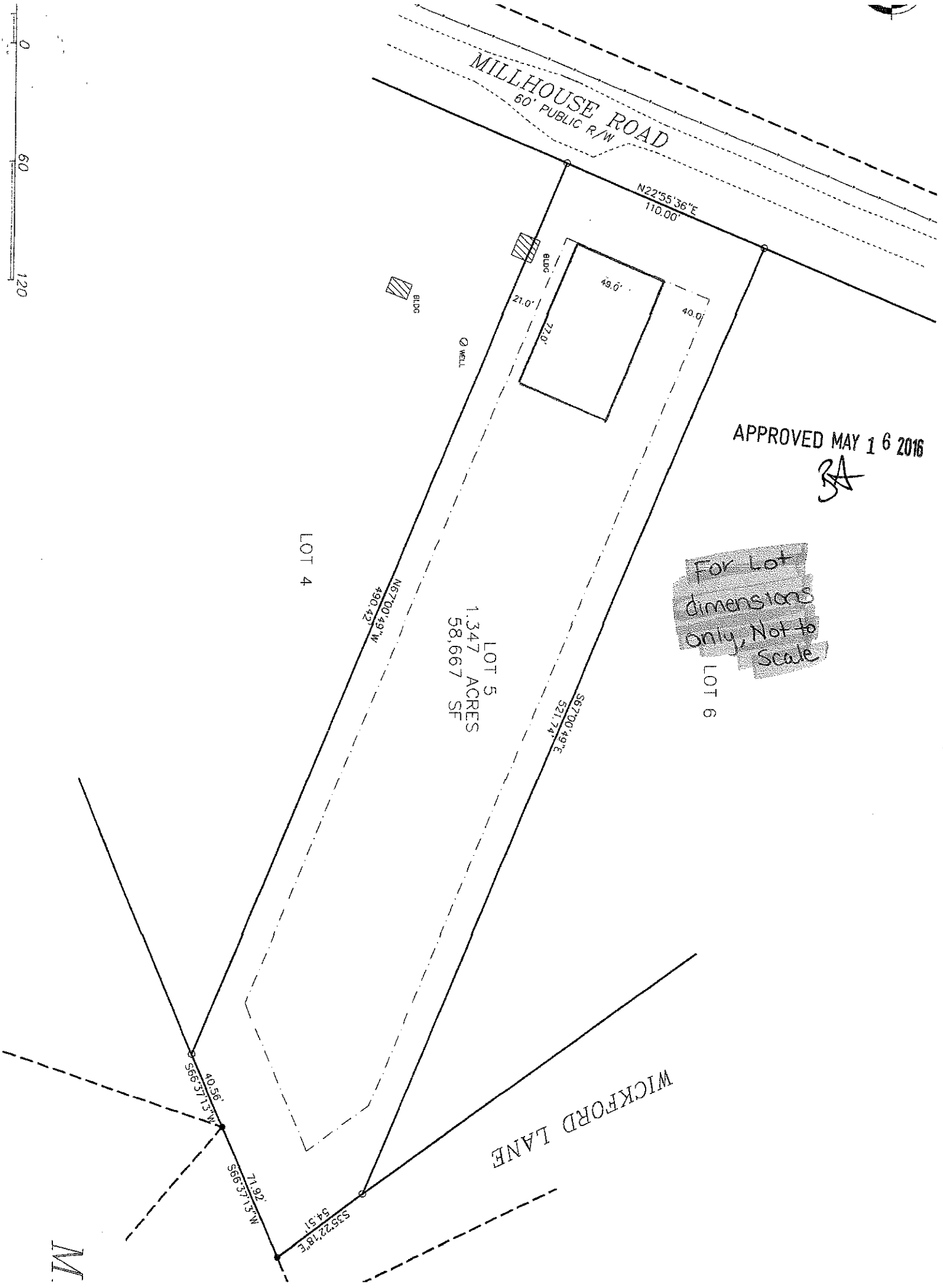
The attached information is not an Improvement Permit or an Authorization to Construct, and is only to assist the ICHD with permitting. The ICHD has to approve each lot and only the ICHD can issue these permits. The system should be installed according to the ICHD permits, policies, and NC Rules, which 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

35'
Drive
House
Box
1"=40'
pool
30
20'
10'
LOT 4
1.1
48140
Acres.
Sq.ft.
LOT 5
1.3
57035
Acres.
Sq.ft.
LOT 6
1.1
46600
Acres.
Sq.ft.
APPROVED MAY 16 2016
D Box
P-110 Reg
B-132' Reg
R 134'
WICKFORD LN


0
60
120
MILLHOUSE ROAD
60' PUBLIC R/W
N22°55'36"E
110.00'
BLDG
49.0'
40.0'
77.0'
21.0'
BLDG
Ø WELL
APPROVED MAY 16 2016
BA
For Lot dimensions only, Not to Scale
LOT 4
LOT 5
1.347 ACRES
58,667 SF
LOT 6
N67°00'49"W
490.42'
S67°00'49"E
521.74'
WICKFORD LANE
S66°37'13"W
40.56'
S66°37'13"W
71.92'
S35°22'18"E
54.51'

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Meadow Fields Lot 5 Fast Track - The Oaks Group, PA

Number of Bedrooms	**4**
Basement or Crawl	**Crawl Space**
Design Flow (gpd)	**480**
Primary System LTAR (gpd/ft2)	**0.3**
Primary System Type	**25% Reduction**
No. Lines	3 (See Table)
Total Linear Feet	401
Trench Width	3' min.
Trench Spacing	9' min.
Distribution Device	Distribution Box
Tank Size	1000 gallon tank
Max Trench Bottom Depth	24"
Maintenance Agreement Required	No
Repair System	**LP PPBPS**
Total Linear Feet	312
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	Orange	LP PPBPS	70
2	Repair	Pink	LP PPBPS	110
3	Repair	Blue	LP PPBPS	132
4	System	Red	25% Reduction	134 endfed
5	System	Orange	25% Reduction	133 endfed
6	System	Pink	25% Reduction	134 endfed
				Total System: 401'
				Total Repair: 312'

Note: Tank and distribution device locations can be altered at the discretion of ICHD. Keep proper setbacks to foundation drains

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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 #:
COUNTY: Iredell

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

OWNER: IQ Custom Construction — APPLICATION DATE
ADDRESS: 128 mill house rd mooresville — DATE EVALUATED: 3/14/16
PROPOSED FACILITY: SFR — PROPOSED DESIGN FLOW (.1949): 480 — PROPERTY SIZE: 1.3
LOCATION OF SITE: Lot 5 — PROPERTY RECORDED:
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	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	L	0-12	MO SBK CL	FR SS/SP	R				0.3
		12-25	WK SBK CL	↓	R; C Sap				
		25-52	MA L Sap	↓	R yel				
2	L	0-37	MO SBK CL	FR SS/SP	R				0.3
		37-48	WK SBK CL	↓	R, C Sap				
C	L 5-10%	0-20	MO SBK C	FR SS/SP	R				0.3
		20-36	WK SBK CL	↓	Ri C/m Sap				
		36-60	MA L Sap	↓	yel R				
D	L	0-21	MO SBK C/CL	FR SS/SP	R				0.3
		21-54	WK SBK CL	↓	yel R; C Sap				
			* app	mall F/C	WOR veins				
				Rock <1/2					
				VFi Sap	<1/3				

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		
System Type(s)	25% Red	LP PPBPS
Site LTAR	0.3	0.3

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): RS
EVALUATED BY: KMS
OTHER(S) PRESENT: ELH

COMMENTS: