THE OAKS GROUP, PA

To: Iredell County Environmental Health Department (ICHD)

From: Kathleen Saunders, LSS

RE: 59 Acre Tract – Hwy 115

Date: November 2, 2016

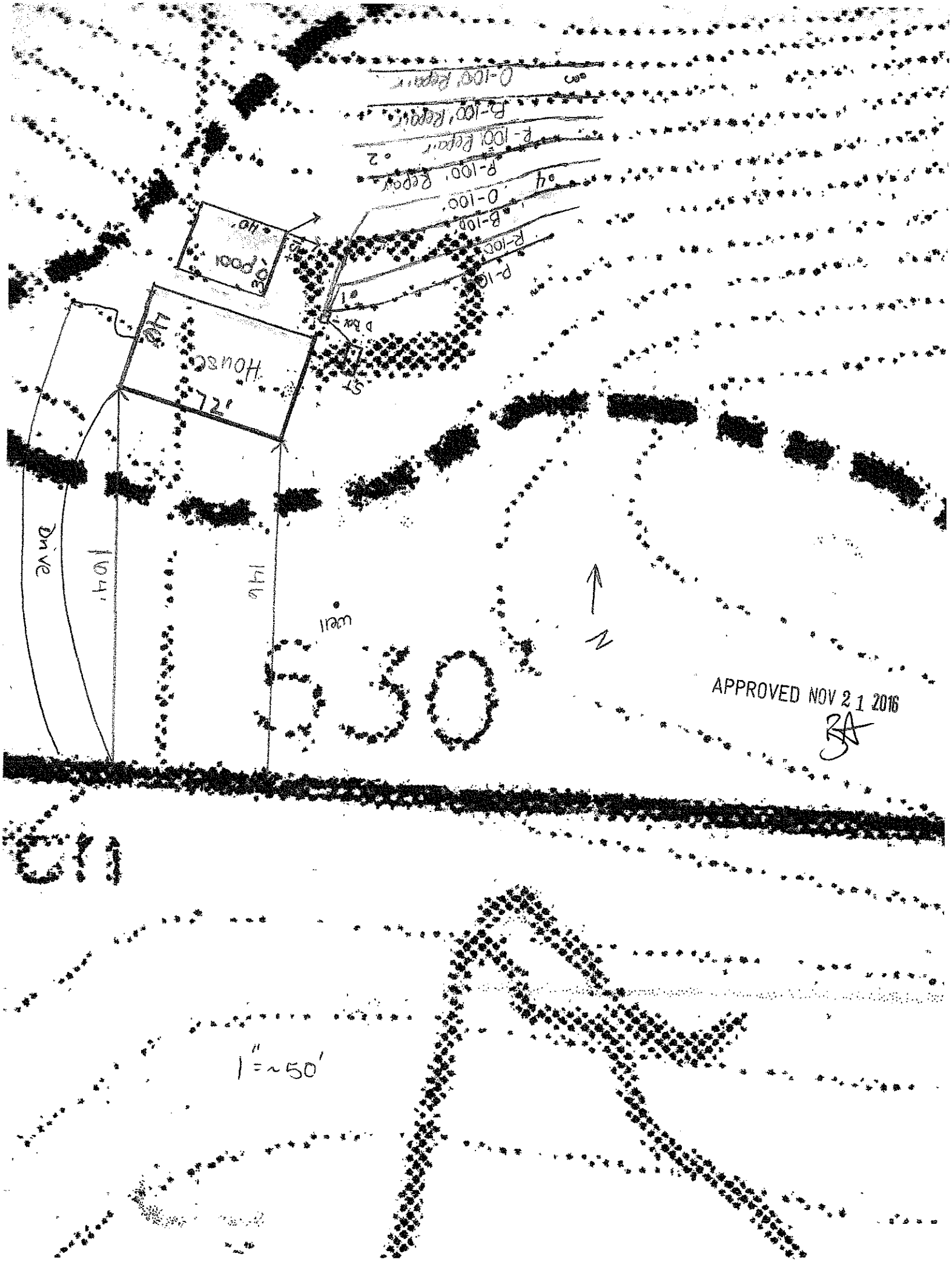
Attached is the septic specification information required to permit the 59 Acre Tract on Hwy 115 for an Improvement Permit and/or Construction Authorization Permit in Iredell County via the Expedited Review Process.

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


House
72'
E30
N
APPROVED NOV 21 2016
1" = ~50'

APPROVED NOV 2 1 2016

3A

59 Acre Tract - Hwy 115 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	4 (See Table)
Total Linear Feet	400
Trench Width	3' min.
Trench Spacing	9' min.
Distribution Device	Distribution Box or Other
Tank Size	1500 gallon tank
Max Trench Bottom Depth (Low Side)	24 inches
Maintenance Agreement Required	No
Repair System	**25% Reduction**
Total Linear Feet	400
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	**System**	**Pink**	**25% Reduction**	**100 endfed**
2	**System**	**Red**	**25% Reduction**	**100 endfed**
3	**System**	**Blue**	**25% Reduction**	**100 endfed**
4	**System**	**Orange**	**25% Reduction**	**100 endfed**
5	Repair	Pink	25% Reduction	100
6	Repair	Red	25% Reduction	100
7	Repair	Blue	25% Reduction	100
8	Repair	Orange	25% Reduction	100
				Total System: 400'
				Total Repair: 400'

Note: Keep necessary setbacks to foundation drains if used
Tank locations and distribution devices can be altered at ICHD's discretion
Divert surface water from ponding on septic area
Specified 1500 gallon tank in the event that future rooms are added in the basement
Could use 1000 gallon tank in owner agrees

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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: Wilma Godfrey
ADDRESS: 200 Denman Estates Ln Statesville
PROPOSED FACILITY: SFR
PROPOSED DESIGN FLOW (.1949): 480
LOCATION OF SITE:
APPLICATION DATE
DATE EVALUATED: 11/2/16
PROPERTY SIZE: 59 Ac ±
PROPERTY RECORDED: YES

WATER SUPPLY: ☐ Private ☐ Public ☒ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

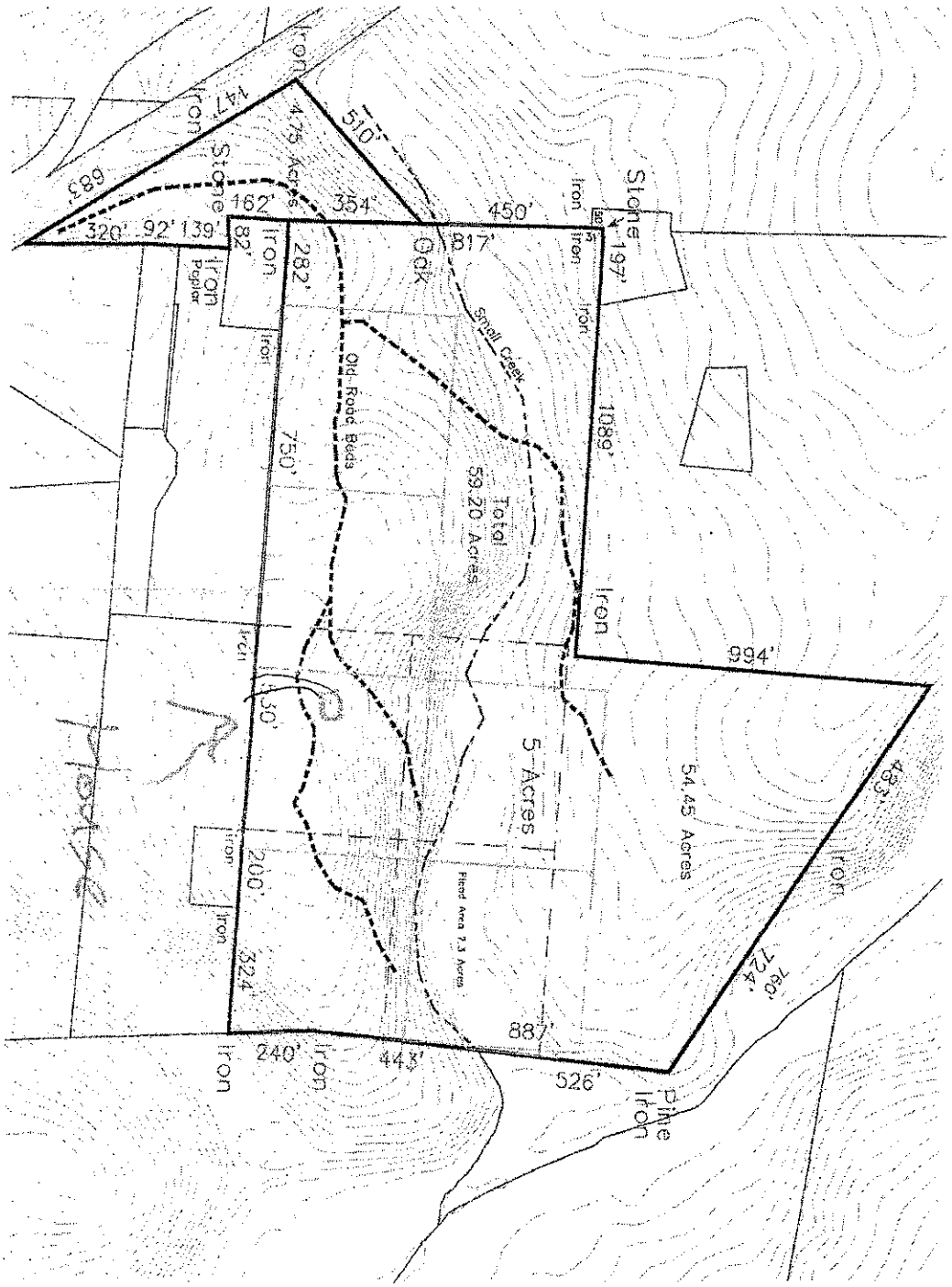
PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
1	L ~15%	0-3	Mo GR SL	FR ns/np	Br	45"	PS	N/A	0.3
		3-32	mo SBK C	FR SS/SP	R, F MICA				
		32-45	WK SBK CL	↓	R, C sap				
		45-48	MA L sap		R Br				
2	L ~15%	0-3	Mo GR SL	FR ns/np	Br	45"	PS	N/A	0.3
		3-30	Mo SBK C	FR SS/SP	C				
		30-45	WK SBK CL	↓	R, C sap				
		45-48	MA L sap	↓	R				
3	L ~25%	0-30	Mo SBK C	FR SS/SP	R	48+	N/A	N/A	0.3
		30-48	WK SBK CL	↓	R, C sap				
4	L ~25%	0-23	Mo SBK C	FR SS/SP	C	46"	PS	N/A	0.3
		23-46	WK SBK CL	FR SS/SP	R, C sap				
		46-50	MA L sap	FR SS/SP	yel R				

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

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

COMMENTS:

Viewer



Not to Scale