DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 1
PROPERTY ID #: 4800656313
COUNTY: Iredell
Permit # 21020 7

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Stephanie Nisbet — APPLICATION DATE: 4-23-15
ADDRESS: 121 Anna Drive Statesville NC 28625 — DATE EVALUATED: 6-9-15 / 6-9-15
PROPOSED FACILITY: 4BR Modular — PROPOSED DESIGN FLOW (.1949): 480 — PROPERTY SIZE: 1.04 AC
LOCATION OF SITE: 115 N (L) Domestic Church (R) Cottages (L) Anna — PROPERTY RECORDED: YES
WATER SUPPLY: • Private • Public X Well • Spring • Other
EVALUATION METHOD: X Auger Boring • Pit • Cut — TYPE OF WASTEWATER: X 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	12" in 10' 10% L	0-3	scl wk gr	fr ns np nep	48+	48+	48+	48+	PS .3
		3-24	c med sbk	fi s p sep	mica inclusions				
		24-40	c med sbk	fr ss sp sep ssp	micaceous inclusions < 5%				
		40-48'	cl wk sbk	fr ss sp sep ssp	micaceous inclusions < 5%				
2	10" in 10' 8% L	0-3	scl wk gr	fr ns p nep	48+	48+	48+	48+	PS .3
		3-24	c med sbk	fi sp sep	few mica inclusions 3"-48" < 10%				
		24-48	cl wk sbk	fr ss sp sep					
3	10" in 10' 9% L	0-8	scl wk gr	fr ns np nep	48+	48+	48+	48+	PS .3
		8-30	c med sbk	fr sp sep					
		30-48	cl wk sbk	fr ss p sep					
4	10" in 10' 8% L	0-8"	scl wk gr	fr ns p nep	48+	48+	48+	48+	PS .3
		8-30"	c med sbk	fr sp sep					
		30-48"	cl wk sbk	fr ss p sep					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	YES	YES
System Type(s)	60% Red 25%	60% Red 25%
Site LTAR	.3	.3

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: L. Cowie
OTHER(S) PRESENT:

COMMENTS:

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL 1955 LTAR*	LPP 1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope)	I	S (Sand)	1.2 - 0.8	0.6 - 0.4	NEXP (Non-expansive)	G (Single Grain)
CV (Convex Slope)		LS (Loamy Sand)			SEXP (Slightly Expansive)	M (Massive)
D (Drainage Way)					EXP (Expansive)	CR (Crumb)
DS (Debris Slump)	II	SL (Sandy Loam)	0.8 - 0.6	0.4 - 0.3		GR (Granular)
FP (Flood Plain)		L (Loam)				SBK (Subangular Blocky)
FS (Foot Slope)						ABK (Angular Blocky)
H (Head Slope)	III	Si (Silt)	0.6 - 0.3	0.3 - 0.15		PL (Platy)
L (Linear Slope)		SiCL (Silty Clay Loam)				PR (Prismatic)
N (Nose Slope)		CL (Clay Loam)				
R (Ridge)		SCL (Sandy Clay Loam)			MOIST	WET
S (Shoulder Slope)		SiL (Silt Loam)				
T (Terrace)					VFR (Very Friable)	NS (Non-sticky)
	IV	SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05	FR (Friable)	SS (Slightly Sticky)
		SiC (Silty Clay)			FI (Firm)	S (Sticky)
		C (Clay)			VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
		O (Organic)	None	None	EFI (Extremely Firm)	NP (Non-plastic)
						SP (Slightly Plastic)
						P (Plastic)
						VP (Very Plastic)

*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

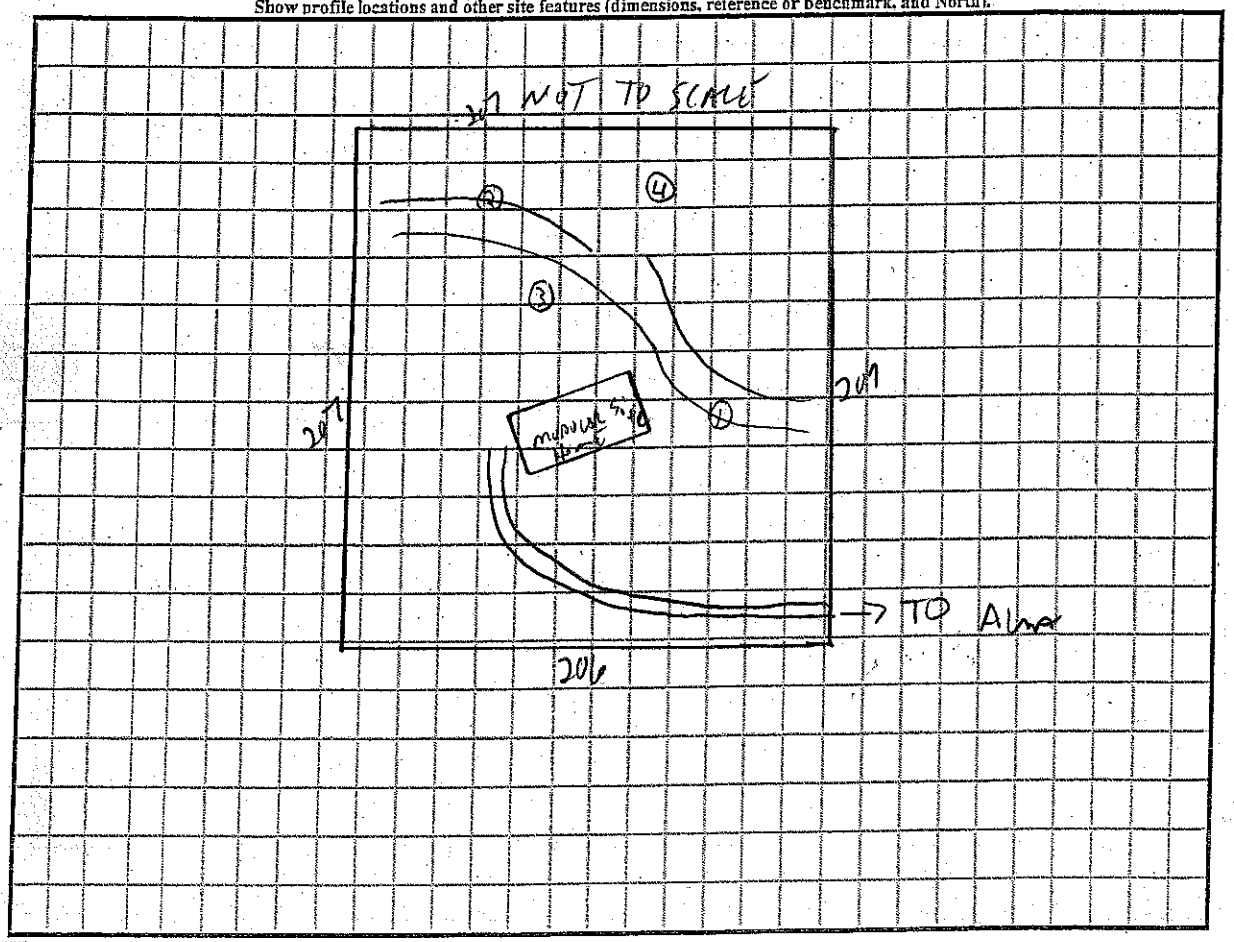
NOTES

HORIZON DEPTH	In inches below natural soil surface
DEPTH OF FILL	In inches from land surface
RESTRICTIVE HORIZON	Thickness and depth from land surface
SAPROLITE	S(suitable) or U(unsuitable)
SOIL WETNESS	Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation
CLASSIFICATION	S (Suitable), PS (Provisionally Suitable), or U (Unsuitable)

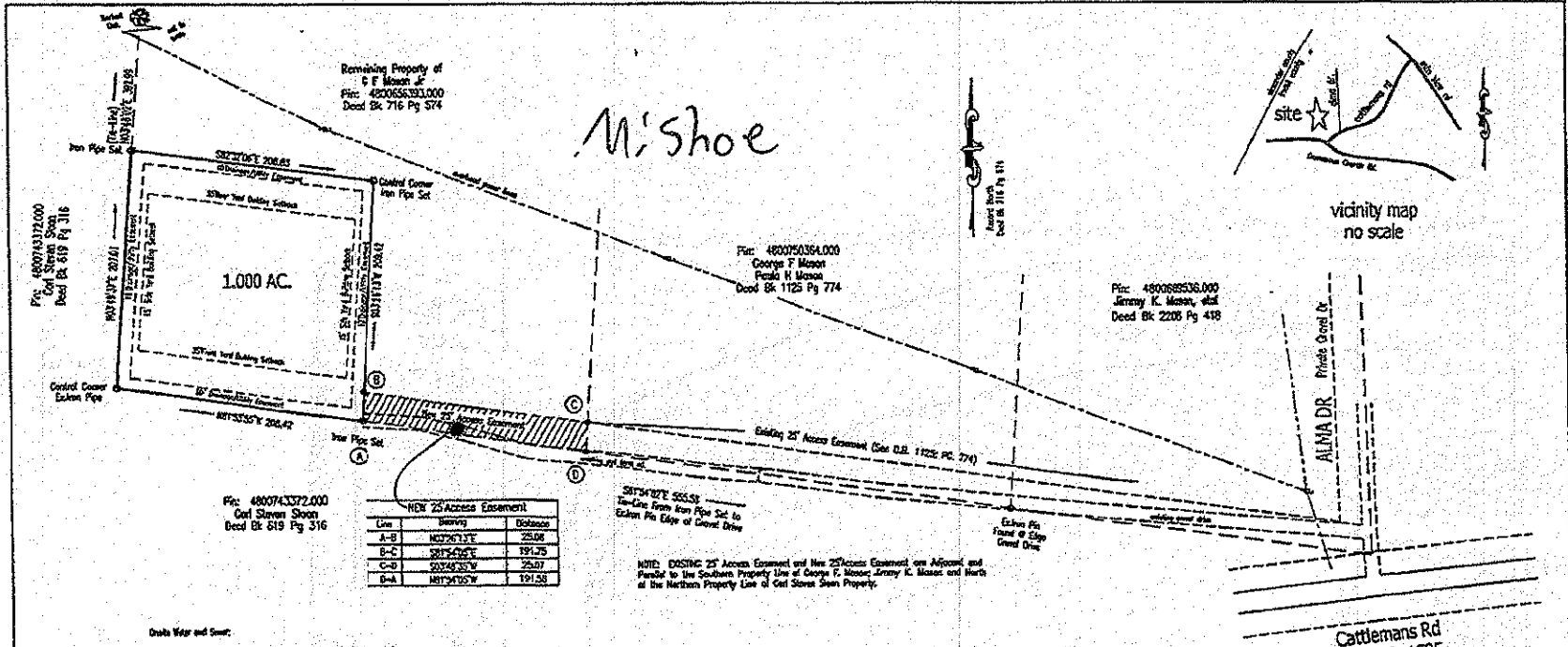
Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft^2

Show profile locations and other site features (dimensions, reference or benchmark, and North).



DENR (######)
Review (#####)



NEW 25' Access Easement		
Line	Bearing	Distance
A–B	N03°06'13"E	25.06
B–C	S81°54'02"E	191.75
C–D	S03°48'35"W	25.07
D–A	N81°54'02"W	191.58

NOTE: EXISTING 25' Access Easement and New 25'Access Easement are Adjacent and Parallel to the Southern Property Line of George F. Mason/ Jimmy K. Mason and North of the Northern Property Line of Carl Steven Shoan Property.

Onsite Water and Sewer:

All lots as shown on the plat are proposed to be served with on-site water and sewer systems. The lots as shown meet the minimum size prescribed by the Iredell County Health Department for such systems.

SITE DATA:
Zoning – RA
SETBACKS:
FRONT – 35'
SIDE – 15'
REAR – 35'/50'

Owners:
G F MASON JR
121 ALMA DR
STATESVILLE, NC 28625

LEGEND:
OHC – OVERHEAD ELECTRIC LINES
OHT – OVERHEAD TELEPHONE LINES
EXIS.PIN – EXISTING IRON PIN
ep – EDGE OF PAVED ROADWAY; No Marker Set
mbl – Minimum Building Setback Line
–○– – Utility Pole

NOTES:

1. Property as shown does not fall within the limits of a designated flood hazard area. (Map # 3760400008 effective date: 3/18/08)
2. This survey was performed without the benefit of a title report, and may not reflect all easements or encumbrances hereon.
3. Features such as gutters, streams, buildings, roads, etc.... unless otherwise dimensioned are approximate locations.
4. All lots shall have a 15'drainage and Utility Easement along all sides.

Owner Certificate

I/We hereby certify that I/we(am) am the owner of the property shown and described hereon which is located in the subdivision jurisdiction of the County of Iredell and that I/We hereby adopt this plan of subdivision with my/our free consent, and hereby establish minimum building setback lines, and dedicate all roads, alleys, walks, parks, and other sites and easements to public or private use as noted.

Furthermore, I/We hereby certify that no sanitary sewers, storm sewers, or water lines are to be included in the subdivision and further that I/We certify that:

a. there are no deed restrictions which will be violated by the requested subdivision;

b. there are no governmental regulations of any kind, other than those for which a variance has been applied for under the Iredell County Subdivision Ordinance regulations, which will be violated by the requested subdivision; and

c. I/We understand that enforcement of deed restrictions and any other contractual agreements is not the responsibility of Iredell County, will not be undertaken by Iredell County, and is the sole responsibility of the parties affected by violations of such deed restrictions and contractual agreements.

Owner DATE

North Carolina
_____ County

I, _____, a Notary Public for said County and State, do hereby certify that _____ owner(s) personally appeared before me on this day and acknowledged the execution of the foregoing instrument. Witness my hand and official seal, this _____ day of _____, 20___.

Notary Public

My Commission Expires: _____

The Property as shown hereon, to the best of my knowledge, does not lie within a Water Supply Watershed designated by the Environmental Management Commission as appears on the Watershed Protection Map of Iredell County.

Date Subdivision Administrator

I hereby certify that the subdivision plat shown hereon has been found to comply with the Subdivision Regulations of the County of Iredell, North Carolina and that this plat has been approved by the Subdivision Administrator for recording in the Office of the Register of Deeds of Iredell County.

Date Subdivision Administrator

Review Officer Certification G.S. 47-30

I, _____, Review Officer of Iredell County, certify that the plat to which this certification is affixed meets all the requirements for recording.

DATE REVIEW OFFICER

G.S. 47-30 f (11) e-a certification

I certify that this survey creates a subdivision of land within Iredell County, which has an ordinance regulating parcels of land (GS 47-30(f)(11)a).

DATE PROFESSIONAL LAND SURVEYOR

I, Franklin G. Kinder, certify that this map was drawn under my supervision from an actual survey made under my supervision (deed description recorded in D.B. 716, Pg 574 Portion) that the ratio of precision as calculated is greater than 1 part and 20,000; that this map was prepared in accordance with G.S. 47-30 as amended. Witness my original signature, registration and seal this April 17, 2015 A.D.

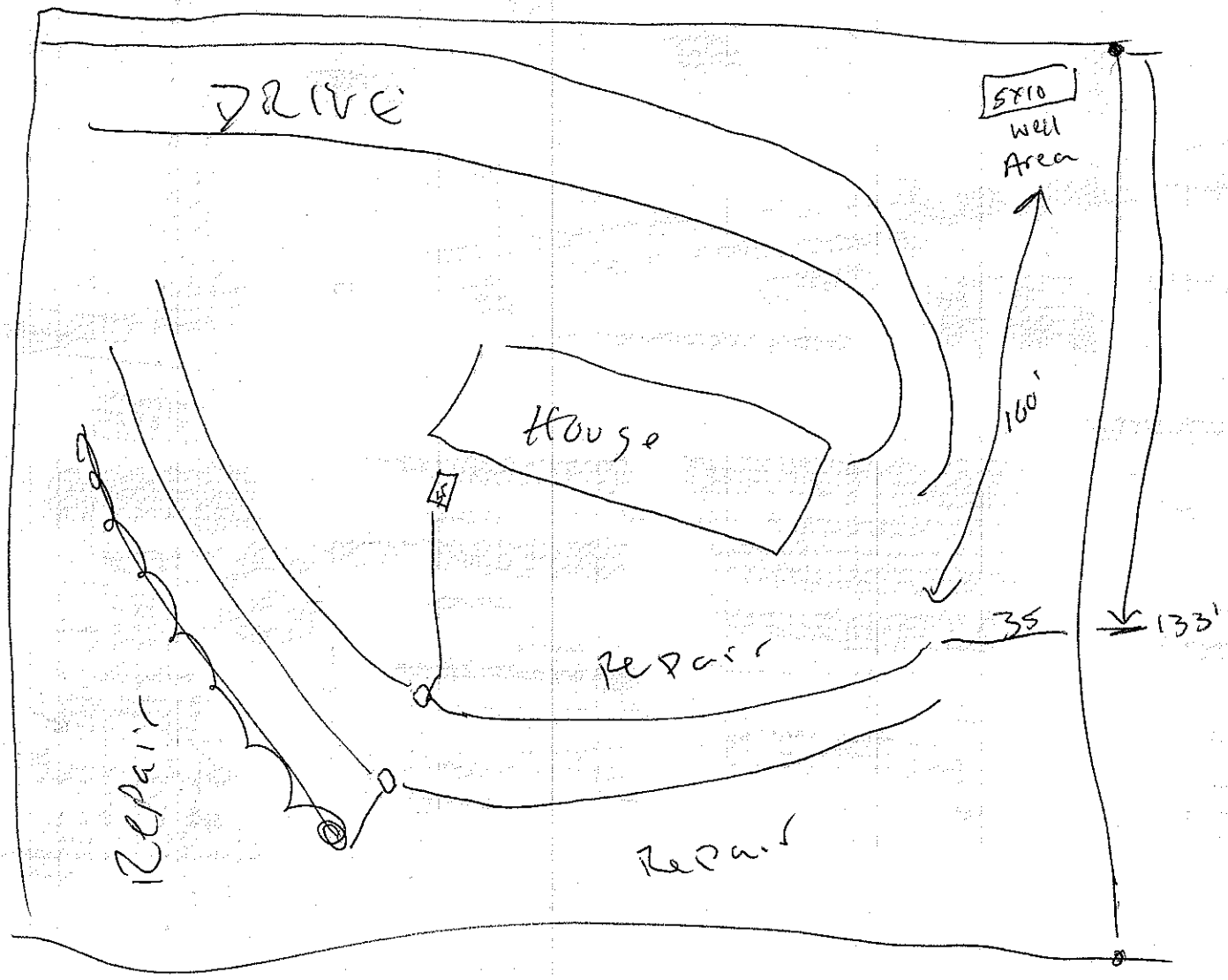
NORTH CAROLINA PROFESSIONAL LAND SURVEYOR SEAL L-4462 FRANKLIN G. KINDER

Professional Land Surveyor
Registration # L-4462

PLAT OF SURVEY
SHOWING
1.000 AC.
BEING A PORTION OF THE PROPERTY OF
G F MASON JR
LYING IN THE
SHARPSBURG TOWNSHIP
OF
IREDELL COUNTY, NORTH CAROLINA
PIN: 4800656393.000 (Portion)
Book 716, Page 574 Portion
Scale: 1"=60' ——— Date: April 17, 2015

60 0 30 60 120
1 inch = 60 ft.

Kinder
LAND SURVEYING
203 W. Lebanon St., Mount Airy N.C. 27030 (336)783-4200
JOB 04101501


DRIVE
5X10
well
Area
160'
House
35
133'
Repair
Repair
Repair