De artment of Environment, Health, and Natural Resources
D n of Environmental Health
On-site Wastewater Section

Sheet: 1/3
Property ID:
Lot #:
File #:
AppID:

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner:
Address:
Proposed Facility: Design Flow (.1949)
Location of Site:
Water Supply: [ ] Public [ ] Individual [X] Well [ ] Spring [ ] Other
Evaluation Method: [X] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [X] Sewage [ ] Industrial Process [ ] Mixed

Applicant:
Date Evaluated:
Property Size:
Property Recorded:

PROFILE #	1940 Landscape / Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY 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
A1	LL 10%	0-6	FILL		SAP AT 46"	46	~~NEA~~ PS.	NA	.3
		6-38	RCL, WSBK	FR, SS, SP, SEXP	FEW SAP INCL.				
		38-46	RCL, WSBK	FR, SS, SP, SEXP	AT. 38"				
		46-48	~~PEAT~~ SAP MAT.	FR, SS, SP, SEXP.	MANY SAP INCL. AT 42"				
A2	LL 9%	0-6	~~BSCL, SBK~~	~~VFR, SS, SP, SEXP~~	FILL	48	NA	NA	.3
		6-12	BSCL, SBK	VFR, SS, SP, SEXP	SAP INCL. AT 44"				
		12-48	RC, SBK	FR, SS, SP, SEXP					
A3	LL 9%	0-6	FILL		FEW SAP INCL. AT 44"	48"	NA	NA	.3
		6-48	BRC, SBK	FR, SS, SP, SEXP					
A4	LL 10%	0-6	FILL			48"	NA	NA	.3
		6-48	BRC, SBK	FR, SS, SP, SEXP.					

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	III	III
Site LTAR	.3	.3

Other Factors (.1946):
Soil Evaluation By: Shane' Cashion/Maria Dotson
Others Present:
Site Classification (.1948):
Site Evaluation By: Shane Cashion/Maria Dotson
Others Present:

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

Sheet: 2/3
File #:

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM
CONTINUED

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 (IN.)	.1956 Sapro Class	.1944 Restr Horiz	
A5	LL 9%	0-6	FILL			44"	~~[illegible]~~ PS	NA	.3 PS
		0-30	RC, SBK	FR, SS, SP, SEXP					
		30-44	RCL, wSBK	FR, SS, SP, SEXP					
		44-48	SAP, mas.	FR, SS, SP, SEXP					

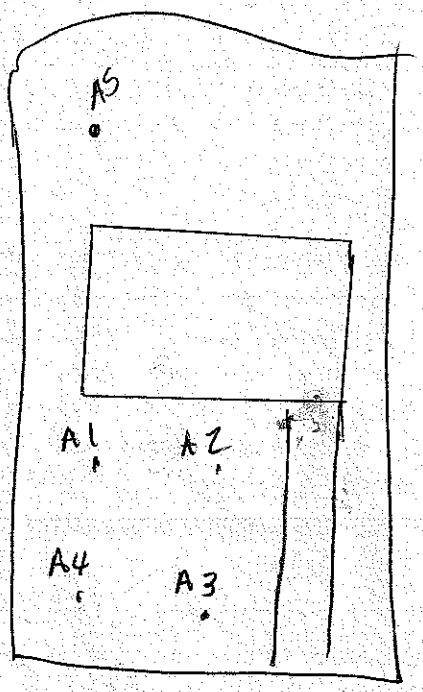
COMMENTS:

Sheet:
FILE #:

Landscape Position	Group	Texture	.1955 LTAR	Structure
R-Ridge	I	S-Sand	1.2 - 0.8	SG-Single Grain
SS-Shoulder Slope		LS-Loamy Sand		M-Massive
LS-Linear Slope				CR-Crumb
FS-Foot Slope	II	SL-Sandy Loam	0.8 - 0.6	GR-Granular
NS-Nose Slope		L-Loam		SBK-Subangular Blocky
HS-Head Slope				ABK-Angular Blocky
CC-Concave Slope	III	SI-Silt	0.6 - 0.3	PL-Platy
CV-Convex Slope		SICL-Silty Clay Loam		PR-Prismatic
T-Terrace				
FP-Flood Plain		CL-Clay Loam		
		SCL-Sandy Clay Loam		
	IV	SC-Sandy Clay	0.4 - 0.1	
		SIC-Silty Clay		
		C-Clay		

Consistence	Consistence	Mineralogy
Moist	Wet	SEXP-Slightly Expansive
VFR-Very Friable	NS-Non-Sticky	EXP-Expansive
FR-Friable	SS-Slightly Sticky	
FI-Firm	S-Sticky	
VFI-Very Firm	VS-Very Sticky	
EFI-Extremely Firm	NP-Non-Plastic	
	SP-Slightly Plastic	
	P-Plastic	
	VP-Very Plastic	

Sketch of Soil Evaluation Locations



WOOD DUCK LOOP

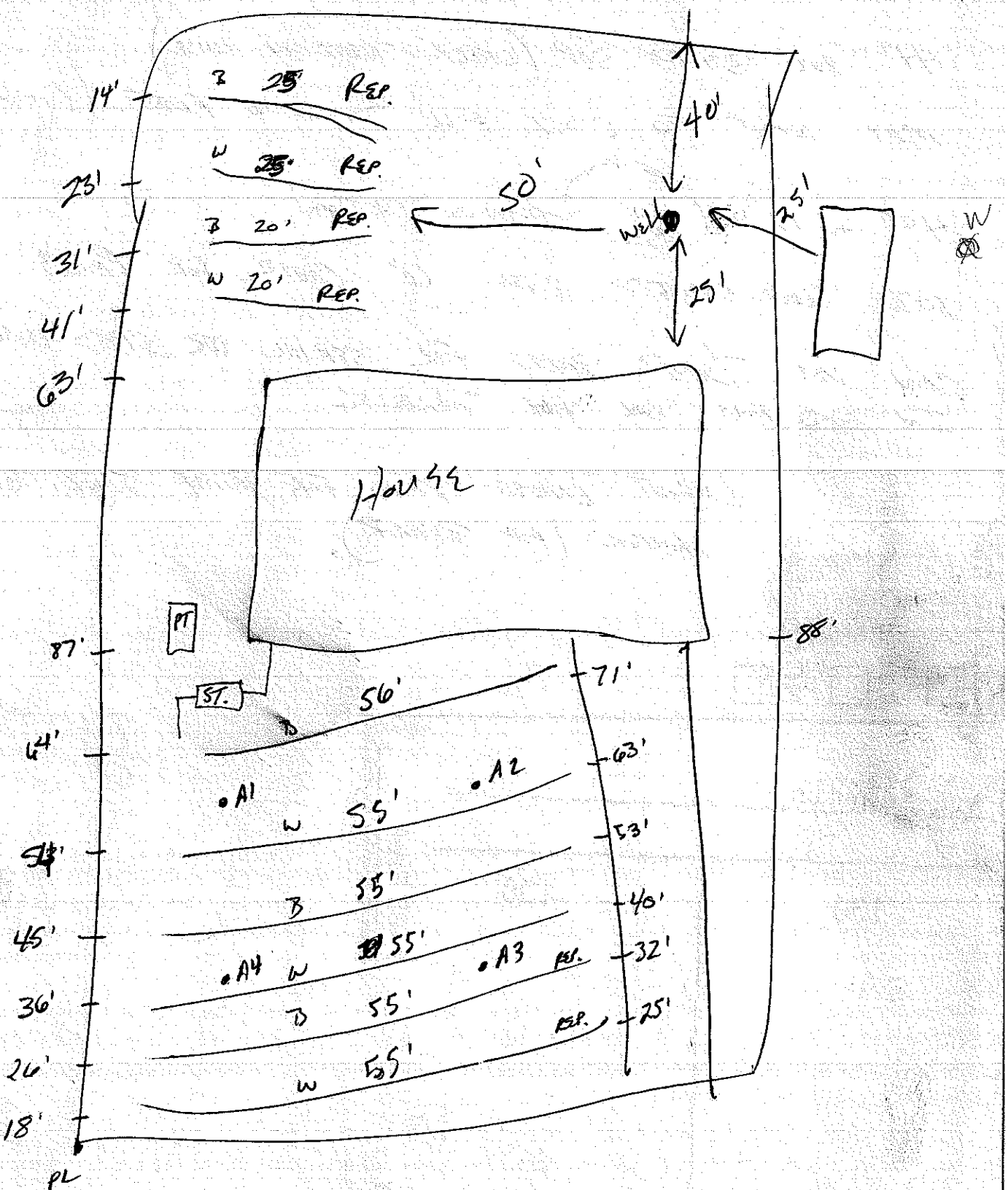
BORING AS

0-6 FILL

6-30 RC SBK FR, SS, SP, SEXP

30-44 RCL WSBK FR SS, SP, SEXP

44-48 @ SAP MASS. FR, SS, SP, SEXP



GRAVITY INITIAL

44" SOIL BEFORE SAP (CHECK REAR OF HOUSE)

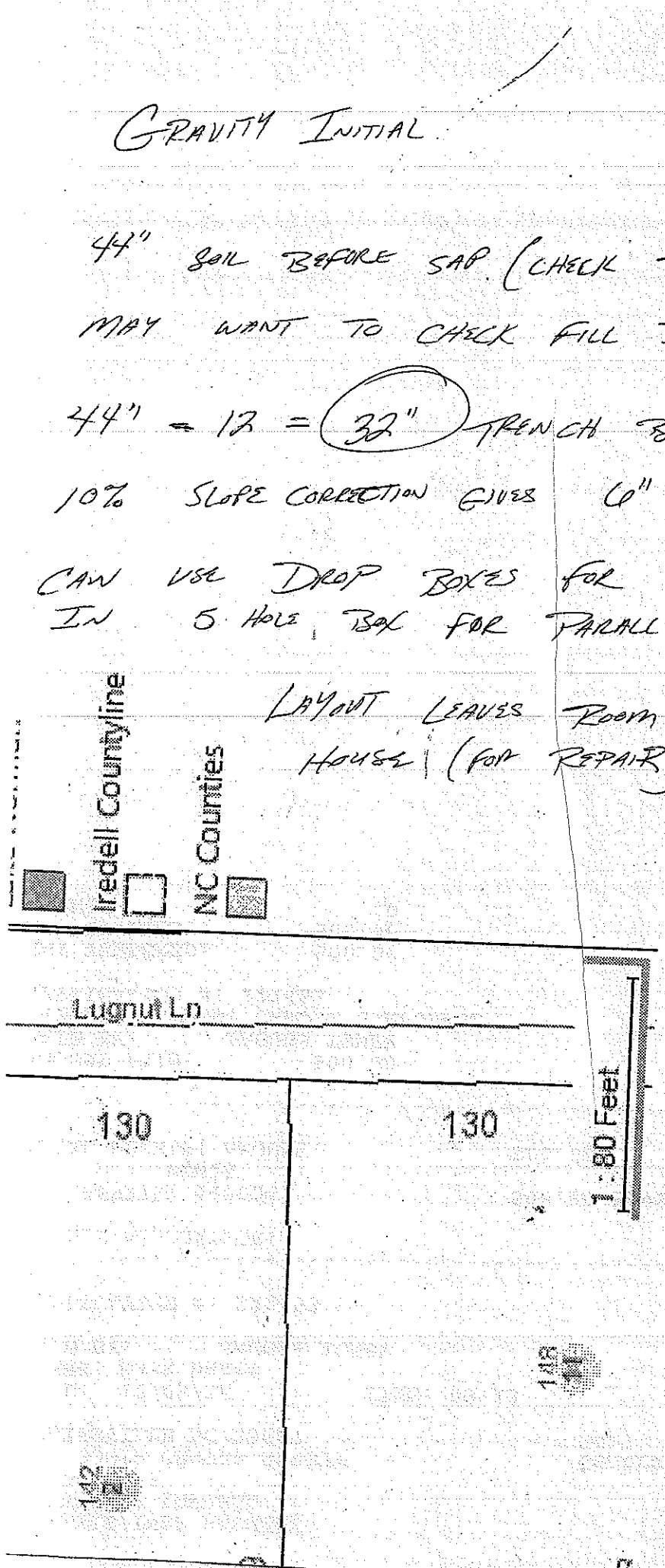
MAY WANT TO CHECK FILL DEPTH IN FRONT. (I THINK ITS FINE)

44" - 12 = (32") TRENCH BOTTOM

10% SLOPE CORRECTION GIVES 60" COVER FOR PANELS.

CAN USE DROP BOXES FOR SERIAL OR SPEED LEVELERS IN 5 HOLE BOX FOR PARALLEL.

LAYOUT LEAVES ROOM FOR PUMP TANK BESIDE HOUSE (FOR REPAIR)



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DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet ___ of
PROPERTY ID #: 4646 06865
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

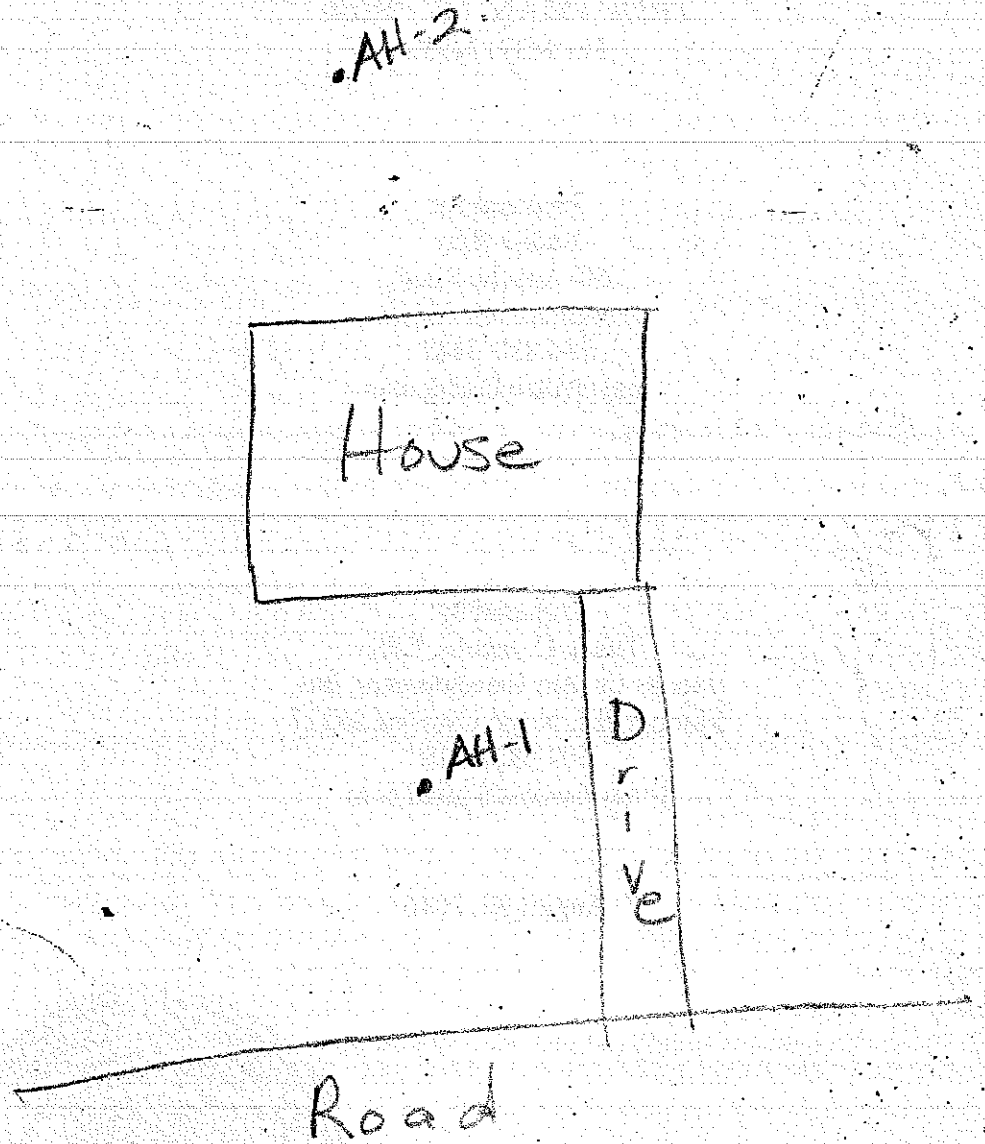
OWNER: Charless Rebecca Block
ADDRESS: _____ APPLICATION DATE _____
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): 360 gpd DATE EVALUATED: 7/25/14
LOCATION OF SITE: 231 Wood Duck Lp Mooresville, NC PROPERTY SIZE: _____
WATER SUPPLY: ☒ Private ☐ Public ☐ Well ☐ Spring ☐ Other _____ PROPERTY RECORDED: _____
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

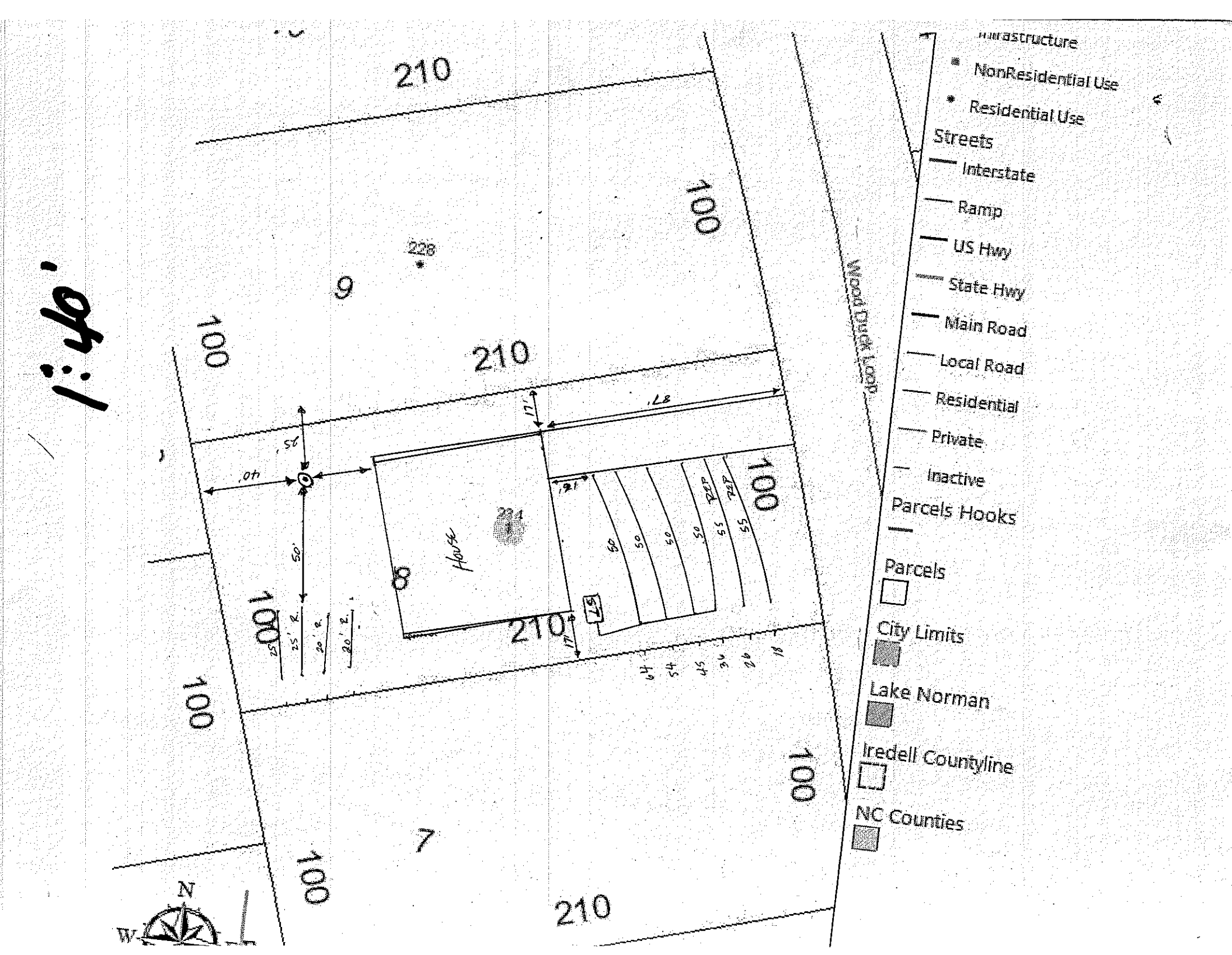
PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	L 9%	0-7"	Rd/Brw SCL	GR-wSBK, SS, SP, SE, FR					PS .3
		7"-48"	R to R/Brw C/CL	m-wSBK SS, SP, SE, FR		48"			
2	L 8-9%	0-6"	Rd/Brw to Brw SCL	GR-wSBK SS, SP, SE, FR					PS .3
		6-42"	R to Rd/Brw C/CL	m-wSBK SS, SP, SE, FR					
		42-48"	Rd/Brw CL w/Few tommy SAP Inclus			48"			
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	III	III
Site LTAR	.3	.3

OTHER FACTORS (.1946): None
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Maria Dotson
OTHER(S) PRESENT: _____

COMMENTS: _____


AH-2
House
AH-1
Drive
Road


1:40'
210
100
228
9
210
100
Wood Duck Loop
17'
18'
25'
10'
50'
20' R.
20' R.
231
House
8
100
210
17'
7.5'
7
100
210
100
N
W
Infrastructure
NonResidential Use
Residential Use
Streets
Interstate
Ramp
US Hwy
State Hwy
Main Road
Local Road
Residential
Private
Inactive
Parcels Hooks
Parcels
City Limits
Lake Norman
Iredell Countyline
NC Counties