DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 3
PROPERTY ID #: 3914
COUNTY: IREDELL

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: BLANCE MOORE
ADDRESS: —
PROPOSED FACILITY: SFR
PROPOSED DESIGN FLOW (.1949): 246 GPD.
LOCATION OF SITE: 605 PISGAH RIDGE CIR. HIDDENITE NC
WATER SUPPLY: ☒ Private ☐ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

APPLICATION DATE —
DATE EVALUATED: 5/22/15
PROPERTY SIZE: —
PROPERTY RECORDED: —

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
A1	CV 15%	0-12	BL, GR	VFR SS, SP	N/A	36"	C-M SAP INCL 20"-36"	37"	.3
		12-36	RC/RCL SBK	FR, SS SP					
		37"	AR						
A2	CV 10%	0-8	BL, GR	VFR SS, SP, SBK.	N/A	34"	C-M SAP INCL SAP @ 34"-35"	35"	.3
		8-20	RC, SBK	FR, SS, SP					
		20-34	RCL, WSBK	FR, " "					
		35"	AR						
A3	CV 15%	0-4	BL, GR	VFR SS SP	N/A	30"	F-C SAP INCL 10"-36"	37"	.3
		4-24	RC, SBK	FR, SS, SP					
		24-36	RCL, WSBK	" " "					
		37"	AR						
A4	CV 10%	0-4	BL, GR	VFR, SS, SP	N/A	28"	F-C SAP INCL 8"-~~24~~"	27"	
		4-24	RC, SBK	FR, SS, SP					
		24-27	RCL, WSBK	VFR " "					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	25% / DRIP	25% / DRIP
Site LTAR	.3	.3

OTHER FACTORS (.1946): —
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: [signature]
OTHER(S) PRESENT: —

COMMENTS: —

SOIL/SITE EVALUATION

(Continuation Sheet)

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: _____
DATE OF EVALUATION: _____
COUNTY: _____

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
A 5									
		12"	AR						
A 6		0-8	BL, GR	VFR, SS, SP	N/A	26"	/	27"	.3
		8-20	RCL, SBK	FR, SS, SP					
		20-26	RCL, WSBK	FR, " "					
		27	SAP						
PIT 7		0-29	SC/SCL SBK	FR Mod SS				42"	
		29-42	C/L SBK						
		42	Rock						
		< 50% Coarse Rock in Profile							
PIT 8		6-12	SCL SBK	FR Mod SS					
		12-23	C SBK	FR Mod SS					
		23-39	BC WSBK	Coarse rock inclusions					
		39	Rock						
		- variable/wavy rock boundary in Pit down to 39" then very R							

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.

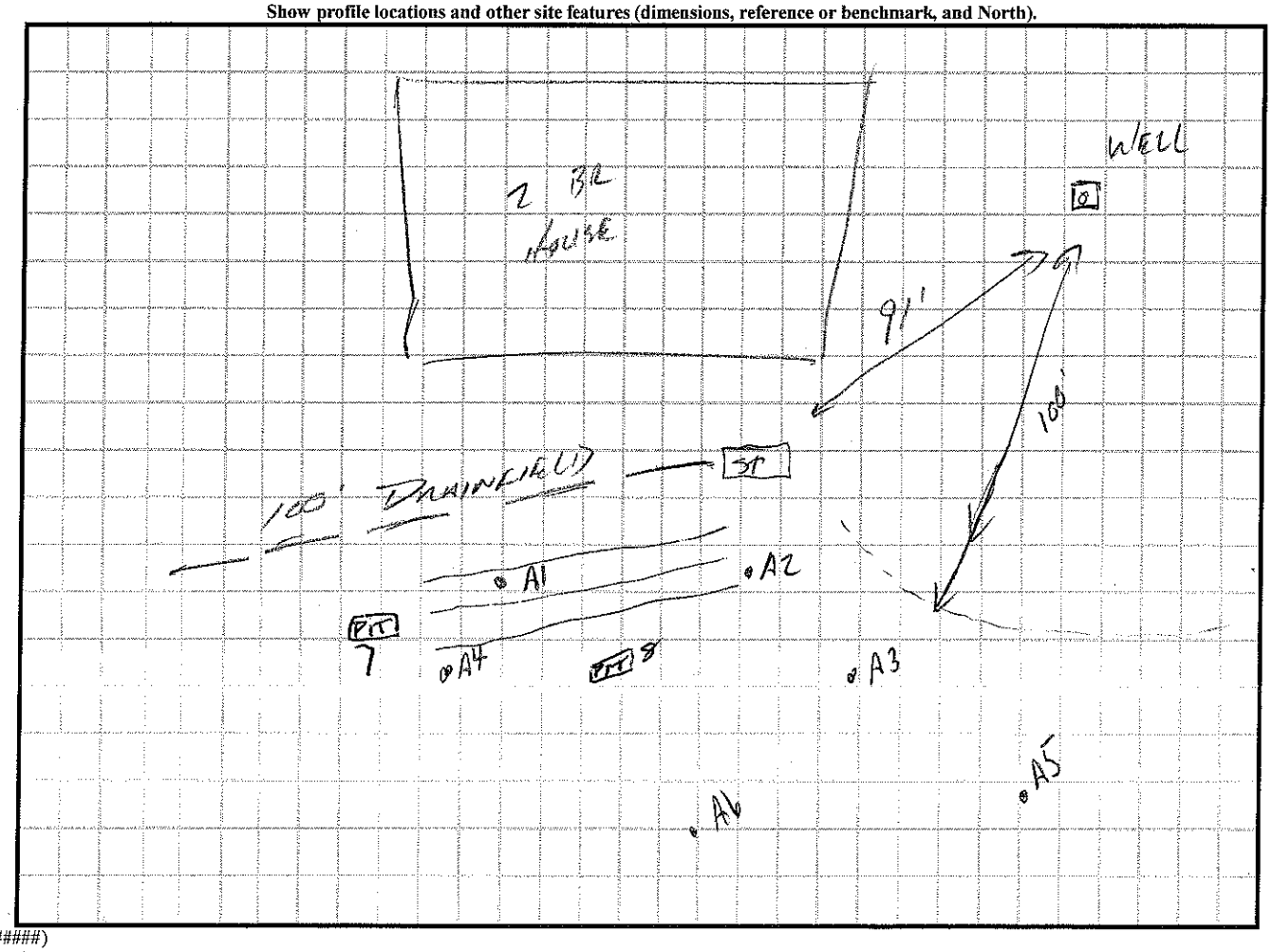
NOTES

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)

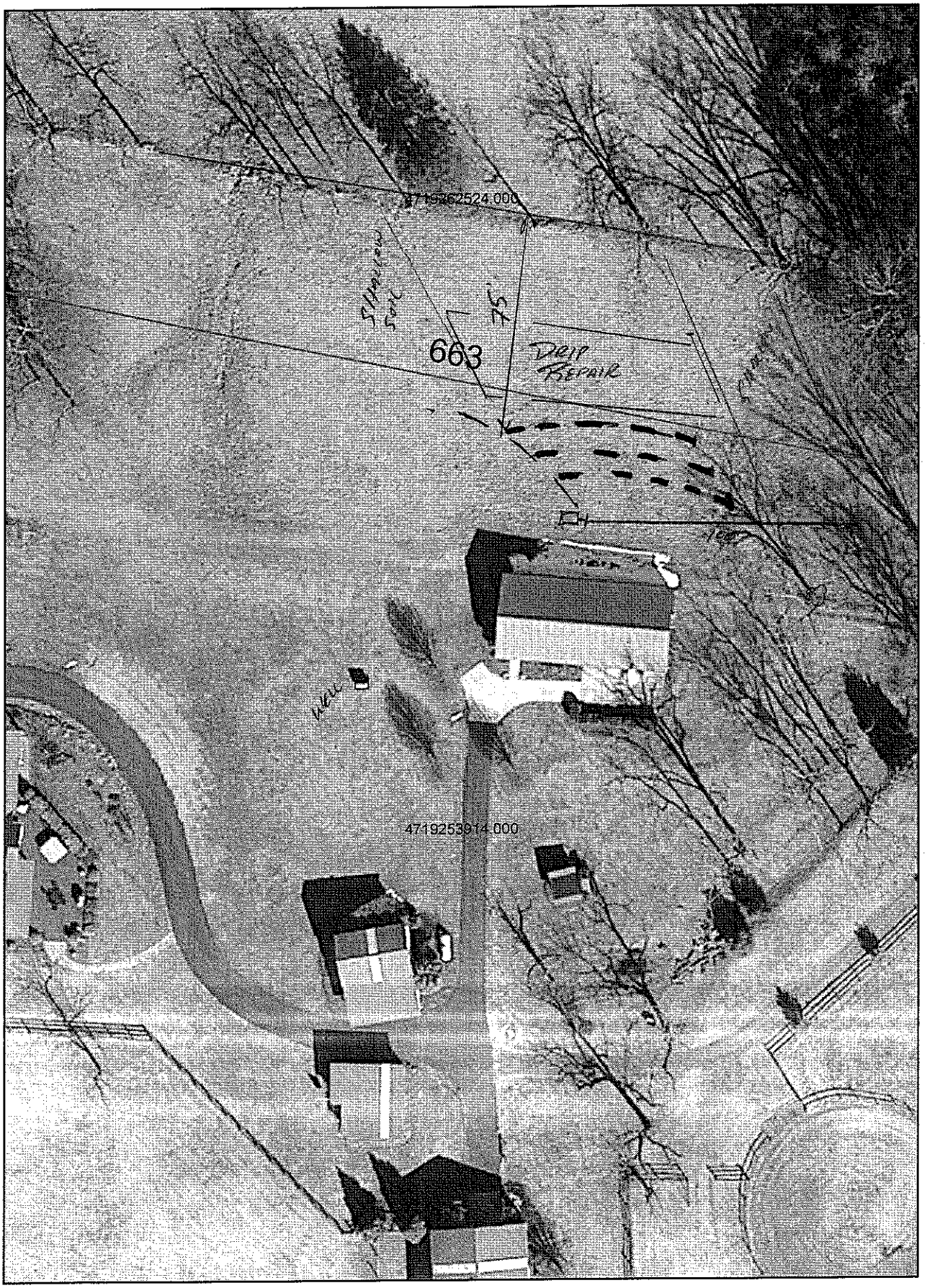
Evaluation of saprolite shall be by pits.

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

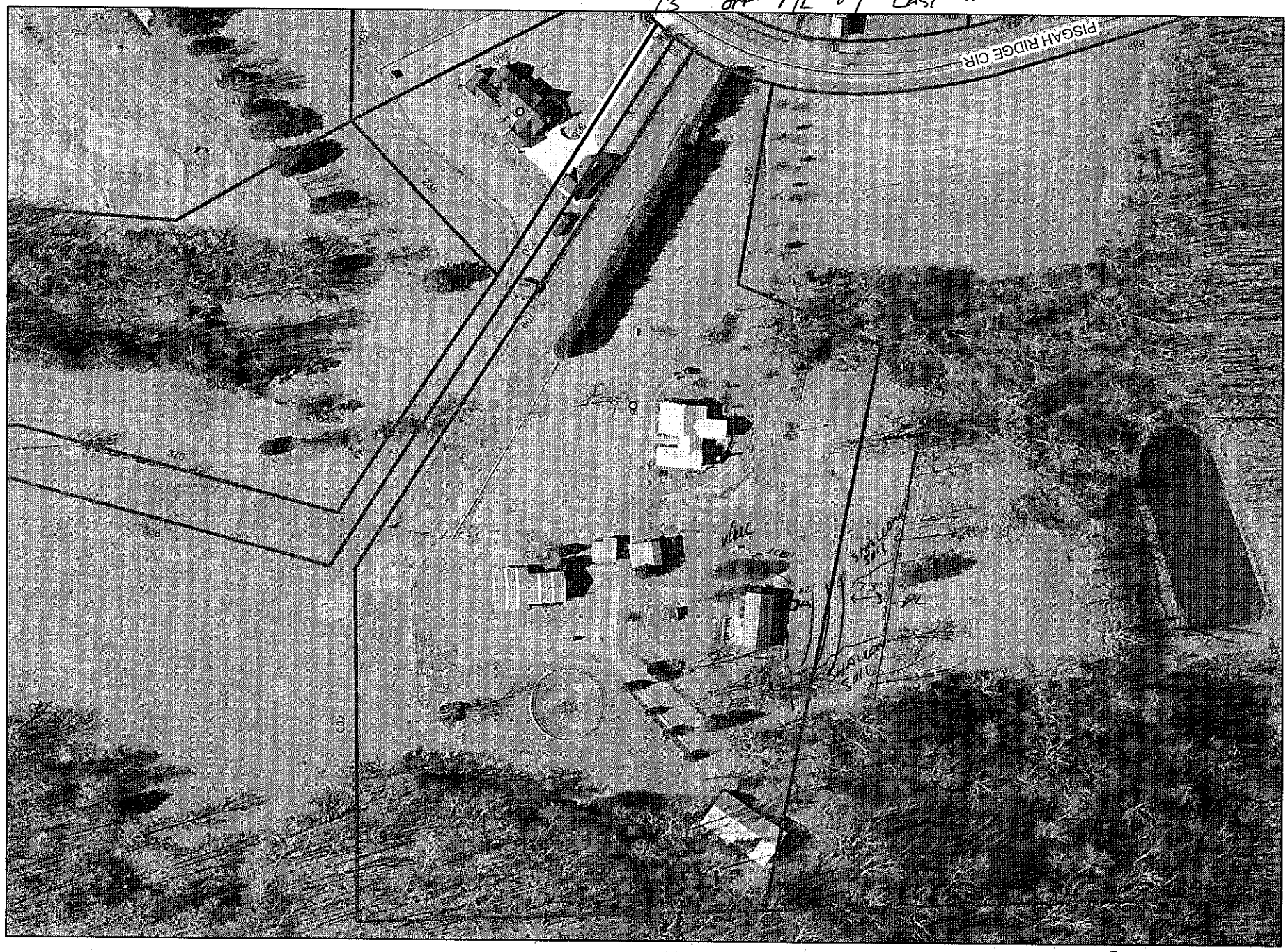
Show profile locations and other site features (dimensions, reference or benchmark, and North).



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


4719262524 000
663
Diff Repair
4719253914 000

12' OFF TANK NEAR NO WELL SB
73' OFF P/L W/ LAST LINE



1 inch = 150 feet

3 LINES @ 67' @ .3 LTAR
DRIP REPAIR