DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

Sheet 1 of 2
PROPERTY ID #: 4716166057
COUNTY: Iredell

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

OWNER: Johnny Morrison
ADDRESS: 122 Features Trail
APPLICATION DATE 9-23-14
DATE EVALUATED: 10-14-14
PROPOSED FACILITY: SFD
PROPOSED DESIGN FLOW (.1949): 360gpd
PROPERTY SIZE: 0.509 acres
LOCATION OF SITE: 129 Amos Lake Dr
PROPERTY RECORDED: YES
WATER SUPPLY: ☐ Private ☒ Public ☐ Well ☐ Spring ☐ Other N/A
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
Auger 1	2% L	0-18	BC CL very micaceous WSBK	Fr mod SE	+48"	~~18~~ 18"	18"	18"	Need Pits
		18-48	SAP						
Auger 2	2% L	0-21	BC CL micaceous WSBK	Fr Mod SE	+39	21	21	21	Need Pits
		21-39	SAP						
		39	RCS 7%						
Auger 3	3% L	0-13	BC CL micaceous WSBK	Fr Mod SE	+48"	13	13	13	Need Pits
		14-48	SAP						
Pit 4	2% L	0-14	BC CL WSBK	Fr Mod SE	+49"	14"	14"	+49"	PS 0.3
		14-49	LSAP mc	Fr Mod SE					
			Very micaceous bl						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	HL	I
Site LTAR	0.3	0.15

OTHER FACTORS (.1946): N/A
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Justin Henderson + Adrian Pruett
OTHER(S) PRESENT: N/A

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	SEXP (Slightly Expansive)	G (Single Grain)
CV (Convex Slope)		LS (Loamy Sand)			EXP (Expansive)	M (Massive)
D (Drainage Way)						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.

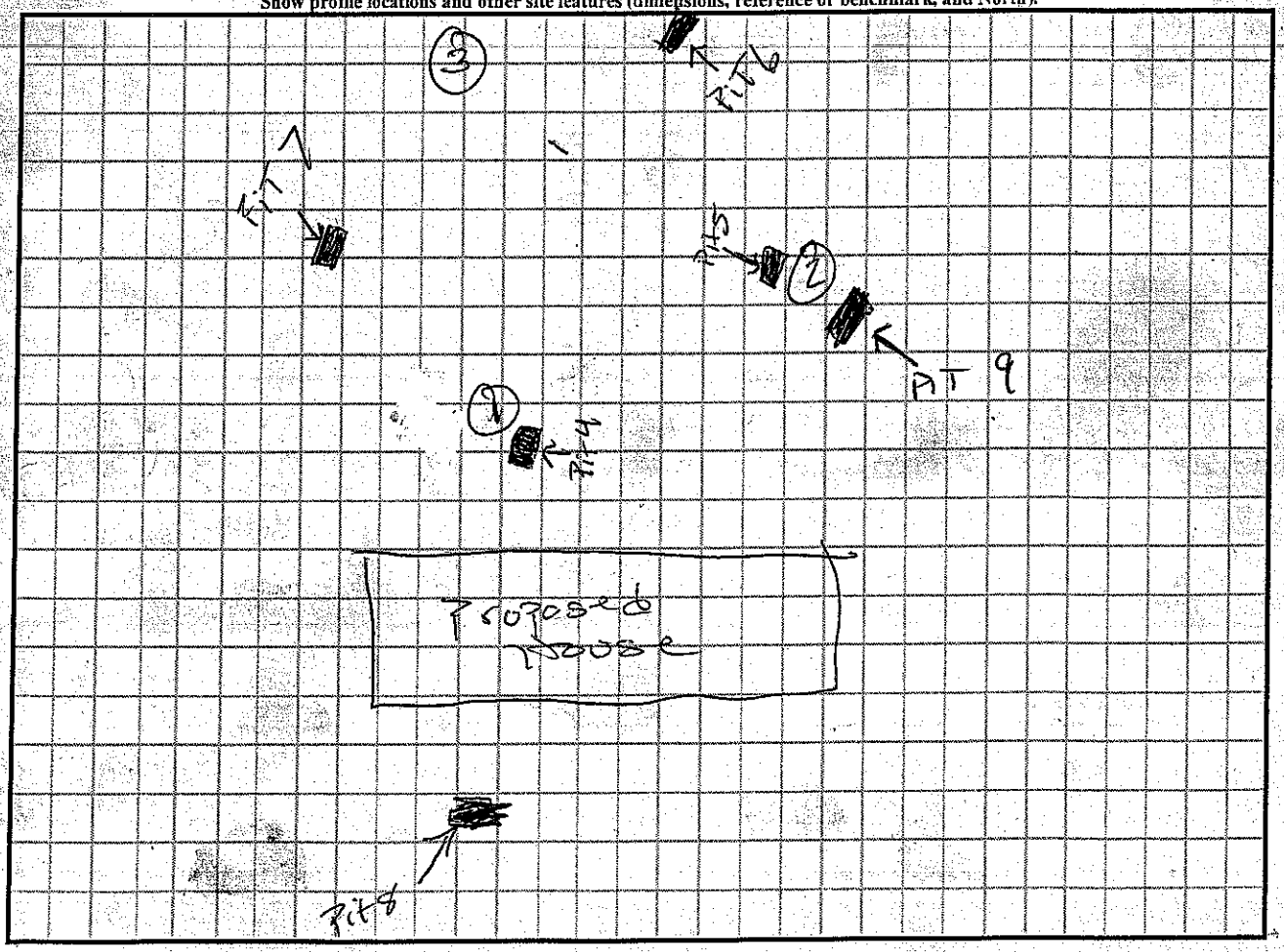
NOTES

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).



SOIL/SITE EVALUATION

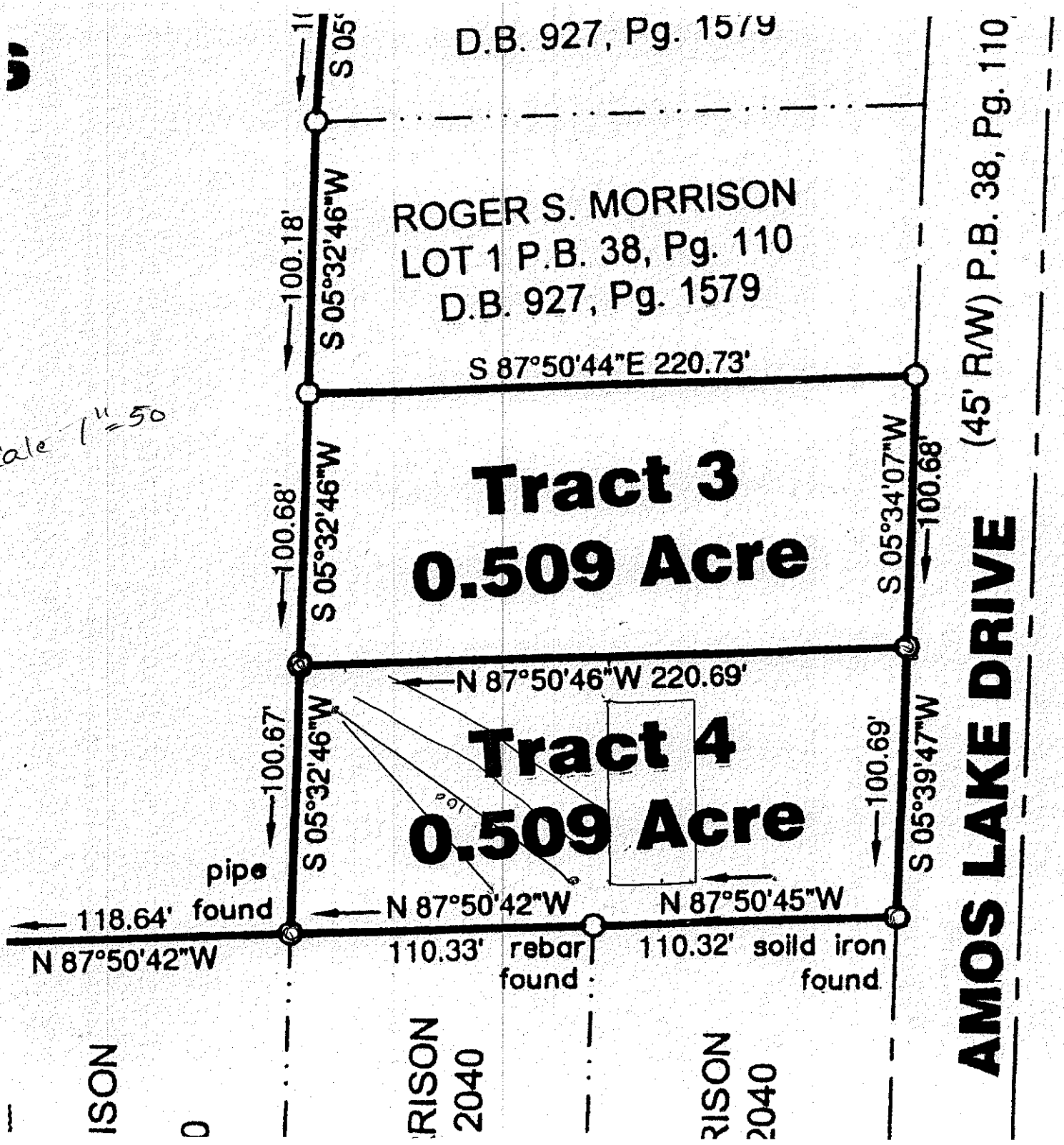
(Continuation Sheet-Complete all field in full)

DEPARTMENT OF HEALTH AND HUMAN SERVICES
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ON-SITE WATER PROTECTION BRANCH

PROPERTY ID #: 4716 116057
DATE OF EVALUATION: 10-16-14
COUNTY: Iredell

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
PIT 5	3% L	0-14	BC CL micaceous WSBK	Fr Mod SE	+51"	14"	22"	22"	PS 0.15 Dr?
		14-22	SAPL m	Fr Mod SE					
		22-51	SAP m	VFi					
			Very micaceous						
PIT 6	3% L	0-10	BCCL micaceous WSBK	Fr Mod SE	+60"	16"	10"	+60"	PS 0.3
		10-34	SAP L m micaceous	Fr Mod SE					
		34-60	SAP SL m	Fr Mod SE					
			Very micaceous						
PIT 7	3% L	0-26	BC CL WSBK	Fr Mod SE	+60"	20"	20"	+60	PS 0.3
		26-39	SAP C m	Fr Mod SE					
		39-60	SAP SL m	Fr Mod SE					
PIT 8	9% L	0-15	BC CL WSBK	Fr Mod SE	+49"	~~0~~ 15"	15"	+49"	PS 0.3
		15-33	SAP L m	Fr Mod SE					
		33-49	SAP SL m	Fr Mod SE					
PIT 9	2% L	0-17	CL micaceous WSBK	Fr Mod SE	+48"	17"	17"	31"	PS 0.3
		17-31	SAP micaceous L	Fr Mod SE					
		31-48	SAP hard mica m	VFi					

COMMENTS:


D.B. 927, Pg. 1579
S 05
ROGER S. MORRISON
LOT 1 P.B. 38, Pg. 110
D.B. 927, Pg. 1579
100.18'
S 05°32'46"W
S 87°50'44"E 220.73'
Scale 1"=50
Tract 3
0.509 Acre
100.68'
S 05°32'46"W
S 05°34'07"W
100.68'
N 87°50'46"W 220.69'
Tract 4
0.509 Acre
100.67'
S 05°32'46"W
100.69'
S 05°39'47"W
pipe
found
118.64'
N 87°50'42"W
N 87°50'42"W
N 87°50'45"W
110.33' rebar
found
110.32' soild iron
found
AMOS LAKE DRIVE
(45' R/W) P.B. 38, Pg. 110
IMOGEN
THIS MAP IS NOT A
NOT BEEN REVIEW
GOVERNMENT AGE
ANY APPLICABLE L
REGULATIONS.