DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 3
PROPERTY ID #: 4336
COUNTY: IREDELL

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: MIKE FOX
ADDRESS: 115 CABANA DR. MOORESVILLE NC
PROPOSED FACILITY: SFR
PROPOSED DESIGN FLOW (.1949): 480 GPD
LOCATION OF SITE: SAME
APPLICATION DATE: 8-7-15
DATE EVALUATED: 9/12/15
PROPERTY SIZE: .766 ACRE
PROPERTY RECORDED: —

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) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
A 1	LL 5%	0-3	BSCL		N/A	48"	F-C SAP INCL. 44-48" MICA	N/A	.3
		3-30	RC, SBK	FR, SS, SP					
		30-48	RCL, SBK	" " "					
A 2	LL 7%	0-3	BSCL		N/A	48"	F-C SAP INCL. 30-48"	N/A	.35
		3-48	RCL, SBK	FR, SS, SP					

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

OTHER FACTORS (.1946): —
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: SHANE CASHION
OTHER(S) PRESENT: MIKE FOX

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.

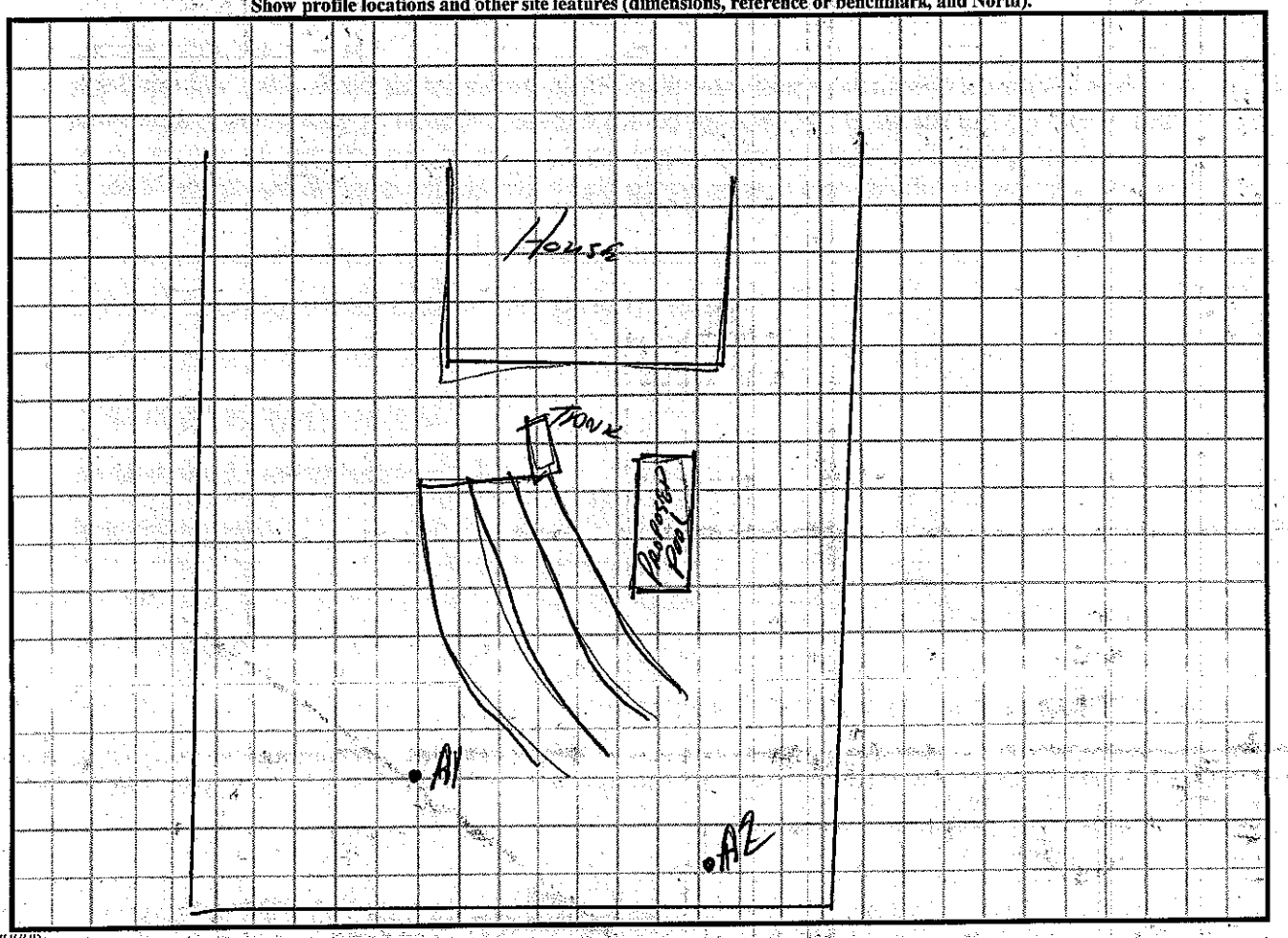
NOTES

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 (#####)

4635-39-4336 80.00 Pg 9 278-0706

IREDELL COUNTY HEALTH DEPARTMENT

STATESVILLE 704-878-5305 MOORESVILLE 704-664-5281

IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM INSPECTI

PERMIT# 075217 PIN# 4636307807 PT Mark 278-0706 DATE 5/10/04

OWNER OR CONTRACTOR Mark Doll / Doll Enterprises PHONE: Business 704 202-5340 Home 202 5349

ADDRESS P.O. Box 618 / Mt Ulla, NC 28125

LOCATION Brawley School Road TL Isle of Pines TL Lake Hills Dr TR on Cabana lot on left

SUBDIVISION Lake Hills Estates BLOCK / SECTION 1 LOT 9 LOT AREA .70 Acre SITE CLASS. P5 DESIGN FLOW 480gpd L.T.A.R. .3

Septic Tank: 1000 Gallons; STB 824 Date 3/1/05
Pump Tank: _____ Gallons; P.T _____ Date _____
Pump Make: _____ Model 1200 Serial No. 400
Nitrification Field: No. Fields 1 Square Feet 900 Linear Feet 300
No Lines 24 Trench Width 36" Max Trench Bottom Depth 36"

☒ New System ☐ Repair System Type: I, II, III, IV, V, VI
System Description: Gravity – 25% Reduction
Repair System Description: Same
Maintenance Agreement Required: ☐ Yes ☒ No
Gravel Depth N/A

☒ House/Mod. Home No. Bedrooms 3
☐ Mobile Home No. Bathrooms 3
☐ Business No. Employees ____
☐ Other _____
☐ Slab ☒ Crawl Space ☐ Basement w/plumbing ☐ Basement wo/plumbing

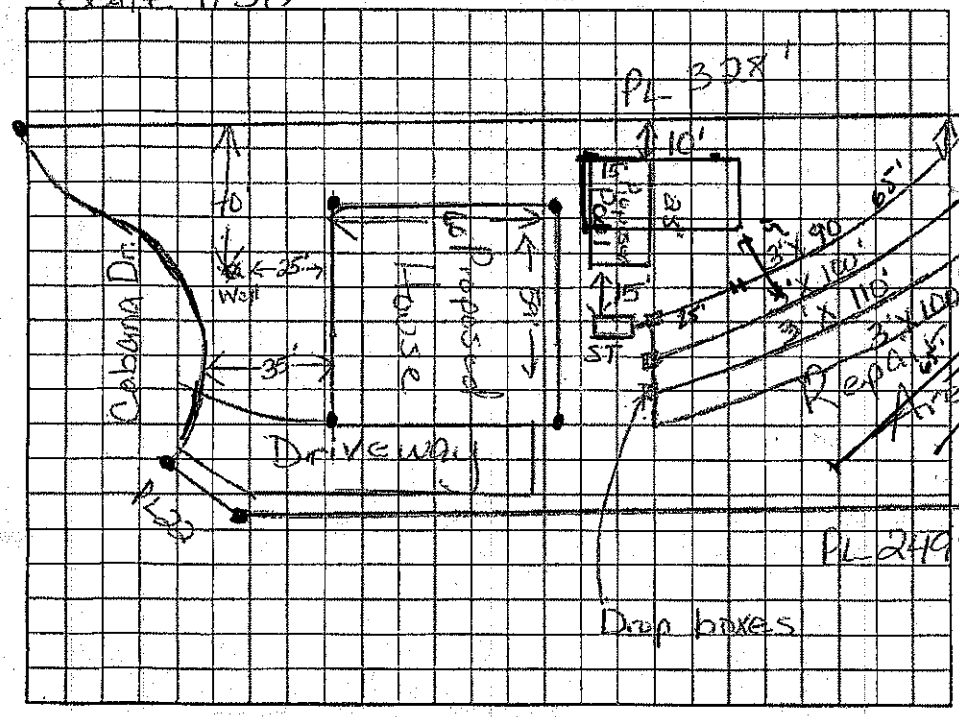
Water Supply: ☒ Individual ☐ Public ☐ Community

Comments/Conditions: Keep Septic System at least 10' from PL & 15' from Pool.

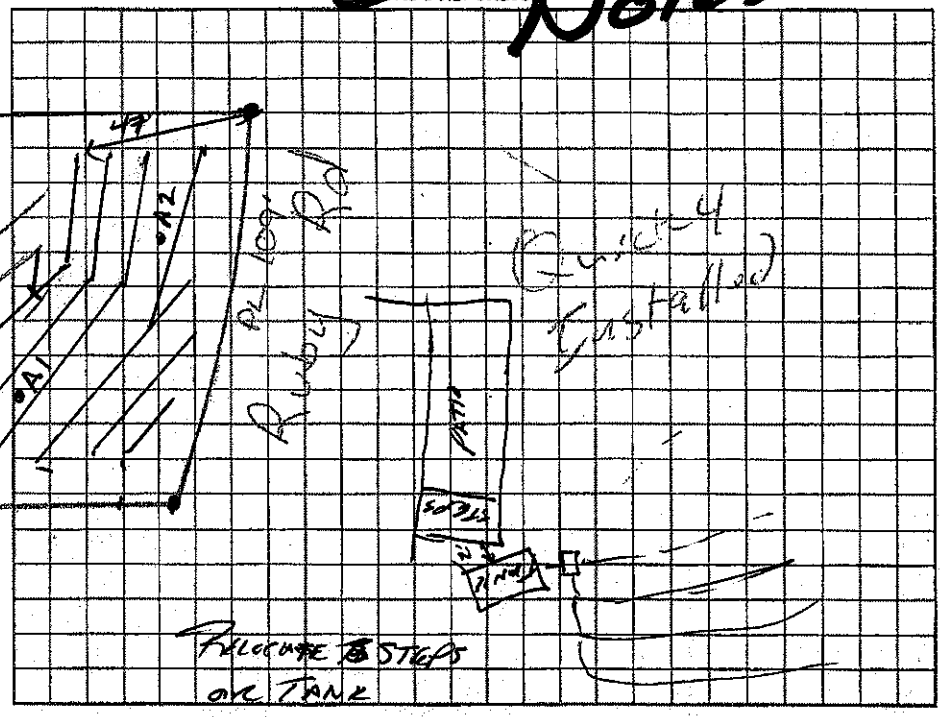
Comments/Conditions:

* Soil Notes *

Scale 1:50 INITIAL SITE SKETCH



AS BUILT SKETCH



Permit can be suspended or revoked if any false information is supplied toward securing the permit/any unauthorized changes are made to the site/any unauthorized changes are made in the installation of the system. Improvement Permit with plat valid without expiration. Improvement Permit with site plan valid for sixty months. Authorization to Construct is valid for a period equal to that of Improvement Permit – not to exceed sixty months.

Signed: Jane M. Doll date 5/12/04 Installed by: Bowen Septic

Improvement Permit by: Maria H. Dotson RS date 5/10/04 Operation Permit by: _____ RS date 4/25/05

Authorization to Construct by: Maria H. Dotson RS date 5/10/04 Existing System Inspection by: _____ date _____

HEALTH DEPT. COPY: WHITE OWNER COPY (FINAL): YELLOW OWNER COPY (INITIAL): PINK

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