12:30

IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 219212

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

PIN # 4743-10-3798 ✓ updated: 226264

APPLICANT: Christopher + Tomeca Jones APPLICANT ADDRESS: 151 Watering Trough Rd. Statesville NC

SITE ADDRESS: ✓ 117 Boyner Lane Statesville, NC PHONE: 704-498-7031 ALT. PHONE:

SITE DIRECTIONS: Amity Hill Rd W from I-77 → L on Moose Club Rd → R on Skyuka Rd → R on Arlie Lp → R on Boyner Lane → Lot on Left

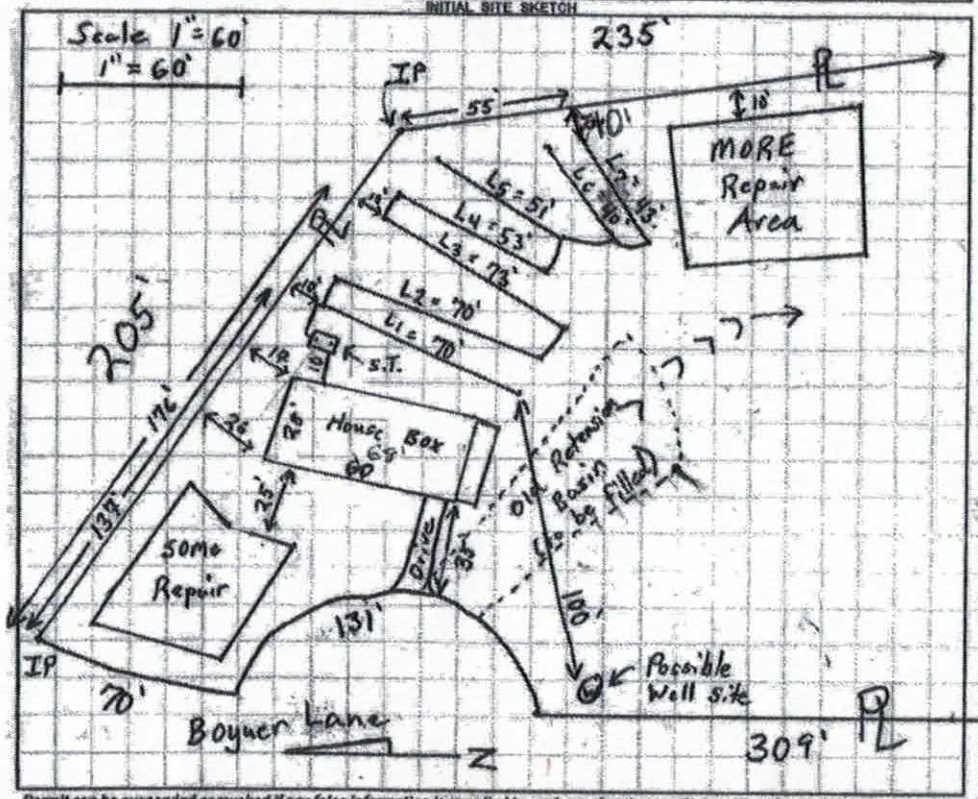
SUBDIVISION: ✓ Apple Valley SECTION: 3 LOT # 7 LOT AREA: 1.608 DESIGN FLOW: 480 GPD L.T.A.R.: 0.30

Septic Tank	1000	(gal)	STB	760	Date	5/26/17	☒ New System	☐ Repair	☐ Expansion	System Type: I II ☒ IV V VI	
Pump Tank	—	(gal)	PT	—	Date	—	System Description:	25% Reduction			
Pump Make	—		Model	—	Serial #	—	Repair System Description:	25% Reduction			
# Nitrification Fields	1		# Lines	7	Linear Ft:	400	Maintenance Agreement Required:	☐ YES	☒ NO		
Trench Width	36"		Trench Bottom Depth	36" [high side]	Gravel Depth	—		☒ GRAVITY	☐ PRESSURE		

☒ Residence	No. Bedrooms	4	Water Supply
☐ Business	No. Persons	8	☒ Private
☐ Other	No. Employees	—	☐ Public
☐ Slab	☐ Crawl Space		☐ Community
☐ Basement w/plumbing			☐ Basement w/o plumbing

Comments / Conditions: Recommend pumping the septic tank every 3-5 years. Updated bust dimensions at 68 with OK

INITIAL SITE SKETCH



AS BUILT SKETCH

Polylock filter present.

SIGAF-1000 tank.

Are 36 chambers.

$L_1 = 71$
$L_2 = 71$
$L_3 = 72$
$L_4 = 58$
$L_5 = 52$
$L_6 = 41$

Tim Abee: 336-240-8298

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. **CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION**

☐ **IMPROVEMENT PERMIT** *with plat valid without expiration.* ☒ **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* ☒ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: Christopher Jones Date: 3-17-17 Installed by: Tim Abee (Abee's Grading)

IMPROVEMENT PERMIT by: Tom Chuck Date: 3/8/17 OPERATION PERMIT by: Timothy Wilson Date: 7-19-17

AUTHORIZATION TO CONSTRUCT by: Tom Chuck Date: 3/16/17 Existing System Inspected by: Date:

MENT OF HEALTH AND HUMAN SERVICES
N OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION
E WATER PROTECTION BRANCH

Sheet ___ of ___
PROPERTY ID #:
COUNTY: Iredell

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

OWNER: Fox Den Acres — APPLICATION DATE: 5-31-16
ADDRESS: 5201 Monroe Rd, Charlotte, NC — DATE EVALUATED: 2-17-17
PROPOSED FACILITY: 4BR — PROPOSED DESIGN FLOW (.1949): 480 GPD — PROPERTY SIZE: 1.6 acres
LOCATION OF SITE: 117 Boyner Lane — PROPERTY RECORDED: Yes

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	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	8% Slumping SS Prin	0-7	SCL w. SBK	Sl. Friable, SS, Sp, Smp	—	60"	—	—	0.3 PS
		7-60	Clay Loam w. SBK	Sl. Friable, SS, Sp, Smp					
			Some gravels @ 35-40"						
			Smp (some) 50"-60"						
2	6% Slumping SS Prim	0-7	SCL v.v SBK	Sl. Friable, SS, Sp, Smp	—	47	—	—	0.3 PS
		7-30	Clay m SBK w/ABK	Sl. Firm, SS, Sp, Smp					
		30-47	Clay Loam v.v SBK Abundant Sap	Friable, SS, Sp, Smp					
		47-66"	MA Loamy Saprolite	Friable + moderately Dry					
3	5% Slumping SS Prim	0-12	SCL v.w SBK	Sl. Friable, SS, Sp, Smp	—	64"	—	—	0.3 PS
		12-32	Clay w/m SBK	Sl. Firm, SS, Sp, Smp					
		32-64	Clay Loam. & Trace Saprolite w/SBK	Friable, SS, Sp, Smp					
4	LSS Repair ≈ 24%	0-5	SCL v.v SBK	Sl. Friable, SS, Sp, Smp	—	27"	—	—	0.3 PS
		5-17	Clay w/m SBK	Sl. Firm, SS, Sp, Smp					
		17-27	Clay Loam + Saprolite w. SBK	Friable, SS, Sp, Smp					
		27-66"	Loamy MA Saprolite						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	400+	400+
System Type(s)	25% Reduction	same
Site LTAR	0.3	0.3

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Tom Shuck
OTHER(S) PRESENT:

COMMENTS:

DHHS

ON-SITE WASTEWATER SECTION

Sheet ___ of ___

PROPERTY ID #: ___

COUNTY: ___

28' x 76'

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Fox Den Acres Inc — APPLICATION DATE ___

ADDRESS: 117 Boyer Lane — DATE EVALUATED: 7-11-16

PROPOSED FACILITY: 4 BR House — PROPOSED DESIGN FLOW (.1949): 480 GPD — PROPERTY SIZE: ___

LOCATION OF SITE: 117 Boyer Lane Statesville, NC — PROPERTY RECORDED: Yes

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)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1959 SAPRO CLASS	.1944 RESTR HORIZ	
1	LSS	0-10	Br Loam w/SBK	Sl Friable, SS, Sp, Sap	—	39	—	—	0.3 PS need pit
		10-24	Br clay	Sl Firm, SS, Sp, Sap					
		24-39	BR Clay Loam w/SBK	Friable, SS, Sp, Sap					
		39-48	Loamy MA saprolite	Friable + well drained					
2	LSS	0-8	Br. Loam w/SBK	Sl Friable, SS, Sp, Sap	—	38	—	—	0.35 need pit
		8-25	Br. clay w/SBK	Sl Firm, SS, Sp, Sap					
		25-38	BR clay Loam w/weak SBK	Sl. Friable, SS, Sp, Sap					
		38-48	Loamy MA Saprolite	Friable + well drained					
3	LSS	0-48	Br Clay Loam w/SBK	Sl. Friable, SS, Sp, Sap	—	48	—	—	0.3 PS

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

OTHER FACTORS (.1946): ___

SITE CLASSIFICATION (.1948): ___

EVALUATED BY: ___

OTHER(S) PRESENT: ___

COMMENTS: ___

LEGEND

use the following standard abbreviations

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

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

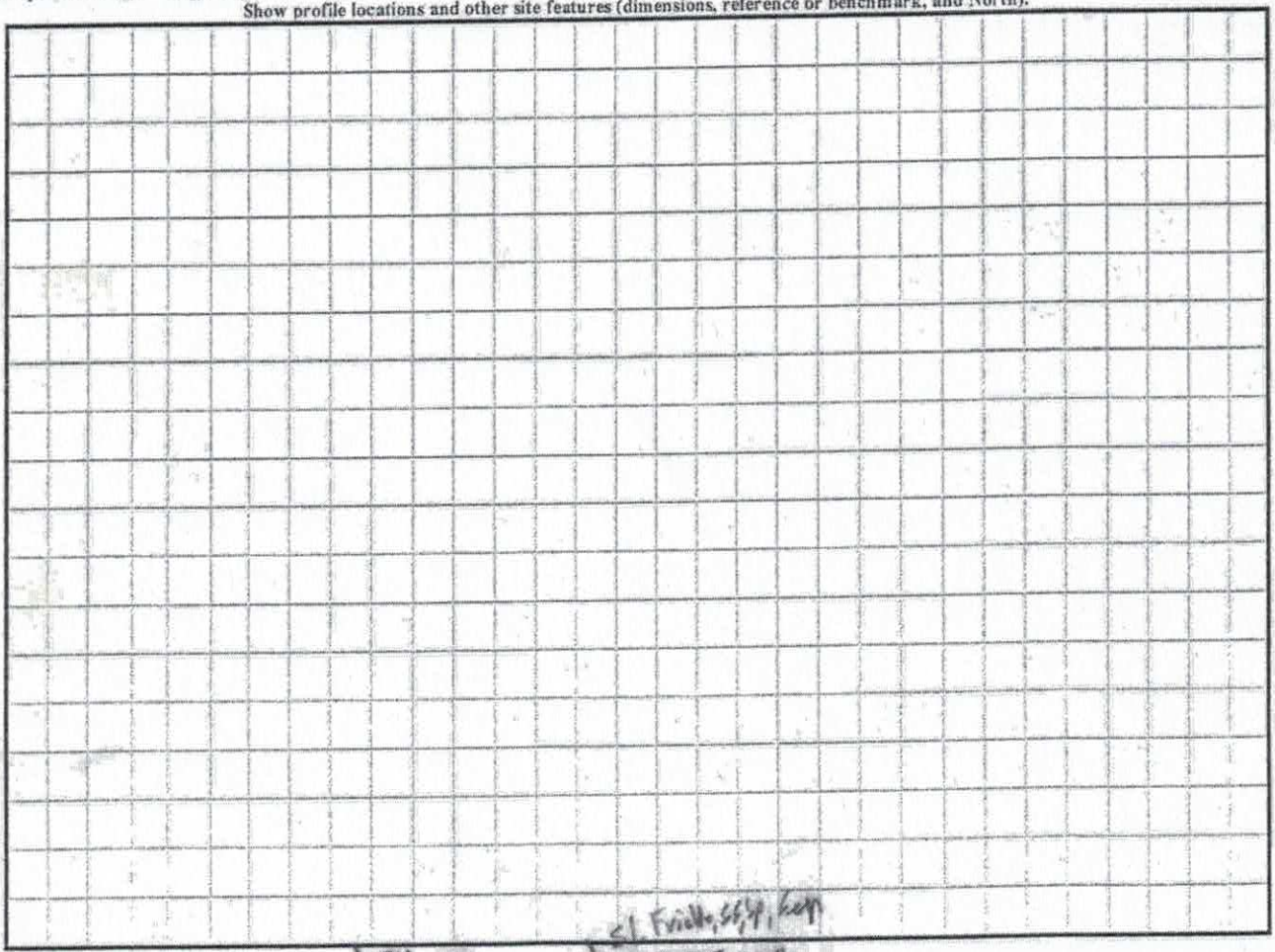
NOTES

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).



0-6	SCL V.W. sBK	<1 Friable, SS, P, Sep
6-17	Clay w. sBK	Fi, SS, P, Sep
17-32	Clay Loam w. SBK Some Sa	SI. Friable, SS, Sp, Sep
32-70	Loamy Saprolite MA!	Very well Drained Very friable

0.3

Pit 5 Top Restrictive (2.5')