HS

ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # AP 2022-6053

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

PIN # 4751 -- 14 -- 9207

APPLICANT/OWNER: Sherman Phifer APPLICANT ADDRESS: 426 Pilch Rd, Troutman

SITE ADDRESS: 426 Pilch Rd, Troutman 28166 PHONE: 704-252-3676 ALT. PHONE

SITE DIRECTIONS: Shelton Ave - Amity Hill - Pilch SAP CONTROLLED: ☐ YES ☒ NO

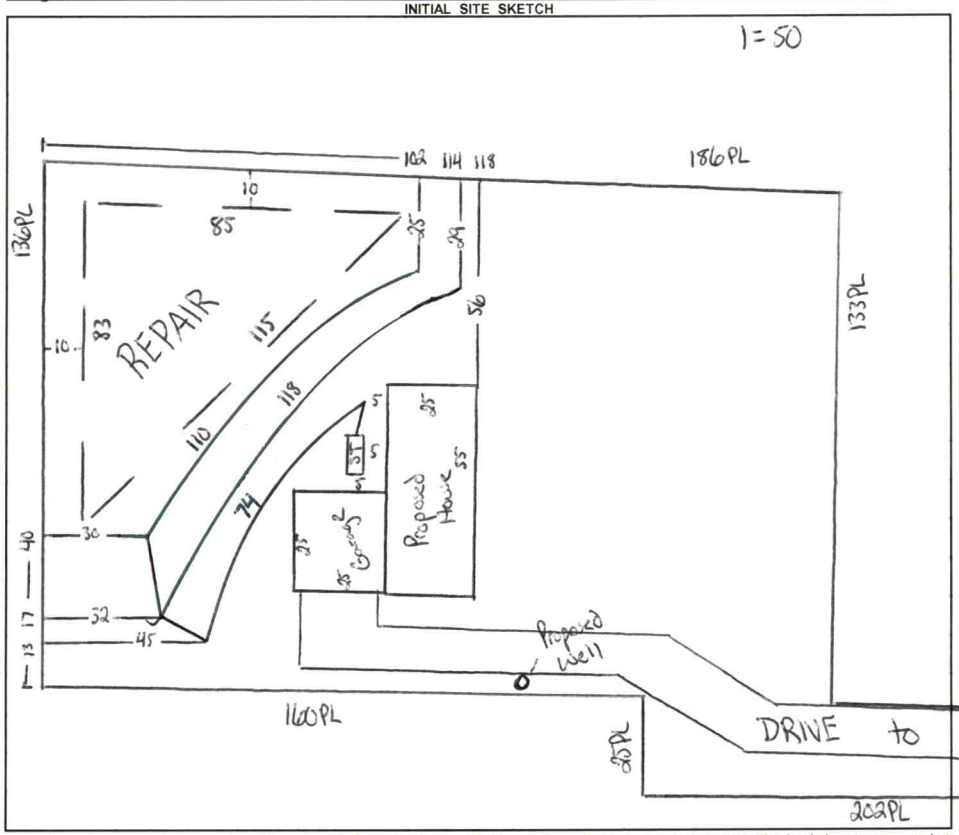
SUBDIVISION: – SECTION: – LOT # – LOT AREA: 0.544 acres DESIGN FLOW: 360 gpd L.T.A.R.: 0.3

Septic Tank	1000	(gal)	STB	Date	10-22-22	☒ New System	☐ Repair	☐ Expansion	System Type: I II (III) IV V VI
Pump Tank		(gal)	PT	Date		System Description:	25% reduction		
Pump Make		Model		Serial #		Repair System Description:	50% reduction		
# Nitrification Fields	1	# Lines	3	Linear Ft	300'	Maintenance Agreement Required:	☐ YES	☒ NO	
Trench Width	36 in	Trench Bottom Depth ~~(Low side)~~	36" max	Gravel Depth	–	☒ GRAVITY	☐ PRESSURE		

☒ Residence	No. Bedrooms	3	**Water Supply**
☐ Business	No. Persons	6	☒ Private
☐ Other	No. Employees		☐ Public
☐ Slab	☒ Crawl Space		☐ Community
☐ Basement w/plumbing	☐ Basement w/o plumbing		

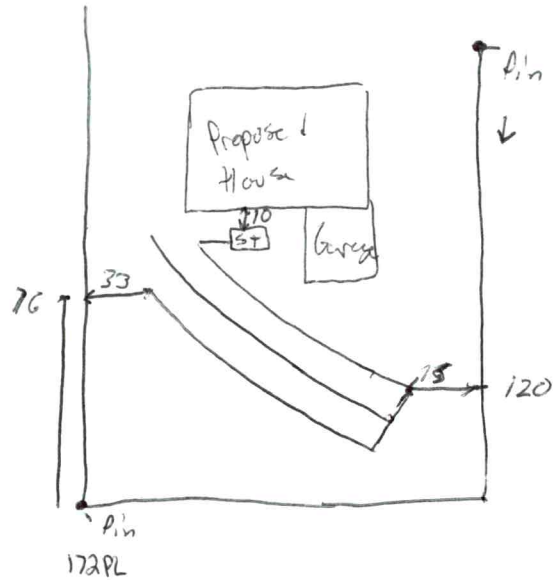
Comments / Conditions: Do not grade, park, or drive on septic area. Utilize serial distribution. Install on contour with the land. No foundation drains.

INITIAL SITE SKETCH



AS BUILT SKETCH

FOR SEPTIC FINAL INSPECTION CALL: 704-664-3703 between 8am-9am the day the inspection is needed. Be sure to speak with an inspector to confirm your time.



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: Online Signature Date: Installed by: Craig Thompson

IMPROVEMENT PERMIT by: Cary Whit Date: 11/30/22 OPERATION PERMIT by: Mate Wi Date: 12/12/22

AUTHORIZATION TO CONSTRUCT by: Cary Whit Date: 11/30/22 Existing System Inspected by: Date:

FOR SEPTIC FINAL INSPECTION: CALL 704-664-3703 between 8am-9am the day the inspection is needed.

Item	Date	Initials
Drain Lines Checked		
Tanks Checked		
Pressure Manifold or Valve Box Checked		
Pressure Head Set		
Electrical Checked		
Floats Set		
Alarm Checked		
Maintenance Contract Needed? Y / N		
Comments:		

Repairs Only	
	State Code
Failing System Code	
Type of Distribution	G or P
Type of Failure/Malfunction	
Primary Cause of Failure/Malfunction	
Age of System? _____	
Initial or Repair? _____	

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

Sheet 1 of 1
PROPERTY ID #: 4751149207
COUNTY: Iredell

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

OWNER: Sherman Phifer
APPLICATION DATE 10/4/22
ADDRESS: 426 Pilch Rd, Troutman
DATE EVALUATED: 11/21/22
PROPOSED FACILITY: 3 bd/r home
PROPOSED DESIGN FLOW (.1949): 360 gpd
PROPERTY SIZE: 0.544 acres
LOCATION OF SITE: 426 Pilch Rd, Troutman
PROPERTY RECORDED: yes
WATER SUPPLY: Private Public X Well Spring Other
EVALUATION METHOD: Auger Boring X Pit Cut
TYPE OF WASTEWATER: X 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	Linear 9-%	0 - 8	Fill		-	50	SAP CL	inc in layer	.3 PS
		8 - 29	C SBK	SS SP FR SE					
		29 - 50	CL SBK	SS SP FR SE					
2	Linear 7-%	0 - 7	SCL SBK	SS SP FR SE	-	50	Litho CL	inc in layer	.3 PS
		7 - 36	C ABK	SS SP FR SE					
		36 - 50	CL SBK	SS SP FR SE					
3	Linear 13-%	0 - 8	SCL SBK	SS SP FR SE	-	55	Heavy SAP inc in CL layer		.3 PS
		8 - 34	C ABK	SS SP FR SE					
		34 - 55	CL SBK	SS SP FR SE					
4	Linear [illegible] 5-%	0 - 20	FILL		Old borrow pit	52	SAP CL	inc in layer	.3 PS
		20 - 38	C ABK	SS SP FR SE					
		38 - 52	CL SBK	SS SP FR SE					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	25%	50%
Site LTAR	.3	.3

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Cory Wrucker
OTHER(S) PRESENT: Sarah Bracken

COMMENTS:

Updated February 2014

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).

