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

Sheet 1 of 3
PROPERTY ID #: 473021582
COUNTY: Iredell

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

OWNER: David Franklin — APPLICATION DATE: 10-29-15
ADDRESS: 121 Town Loop — DATE EVALUATED: 12-11-15
PROPOSED FACILITY: SFD — PROPOSED DESIGN FLOW (.1949): 480gpd — PROPERTY SIZE: 2.8 acres
LOCATION OF SITE: 126 Springoaks 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	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
PIT 1	20% NS	0-15	SCL SBK	F, Mod SE	+48"	+48"	+48"	+48"	PS 0.25
		15-38	C ABK	F, Mod SE					
		38-48	BC wABK	F, Mod SE					
PIT 2	14% L	0-7	SCL SBK	F, Mod SE	+53"	47"	47"	+53"	PS
		7-30	C SABK	F, Mod SE					
		30-42	BC SAP Incl WABK	F, Mod SE					
		42-53	L/SL SAP M	F, Mod SE					
PIT 3	24% L	0-7	SCL SBK	F, Mod SE	+55	41"	41"	+55"	PS 0.225
		7-24	C SABK	F, Mod SE					
		24-41	BC SAP Incl WSBK	F, Mod SE					
		41-55	L SAP M	F, Mod SE					
PIT 4	22% L	0-6	SCL SBK	F, Mod SE	+48"	+48"	+48"	+48"	PS
		6-23	C ABK	F, Mod SE					
		23-48	BC SAP Incl WSBK	F, Mod SE					
			Quartz Incl						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	III	V
Site LTAR	0.25	0.1 gpd

OTHER FACTORS (.1946): N/A
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: [illegible] Anderson
OTHER(S) PRESENT: N/A

COMMENTS: ITB @ 35"

SOIL/SITE EVALUATION

(Continuation Sheet-Complete all field in full)

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5	26% NS	0-10	SCL Gr	F. Mod SE	+52"	+52"	+52"	+52"	PS 0.275
		10-25	C ABK	Fi Mod SE					
		25-52	BC SAP Incl WSR IC	F. Mod SE					
PIT 6	20% NS	0-8			—	—	—	—	US
		8-14	C M	Fi					
PIT 7	15% NS	0-12	SCL SBK	FI Mod SE	+20"	+20"	+20"	20"	PS 6.1 DRIP
		12-20	C ABK	Fi Mod SE					
		Alt	I could eval due to water in Pit						
PIT 8	22% NS	0-6	SCL SBK	F. Mod SE	+34"	+34"	+34"	22"	PS 0.1 DRIP
		6-22	C ABK	Fi Mod SE					
		22-34	C M	Fi					
AB 9	23% NS	0-5	SCL Gr	F. Mod SE	+24"	+24"	+24"	24	PS 6.1 DRIP
		5-18	C ABK	Fi Mod SE					
		18-24	BC WABK	F. Mod SE					

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.

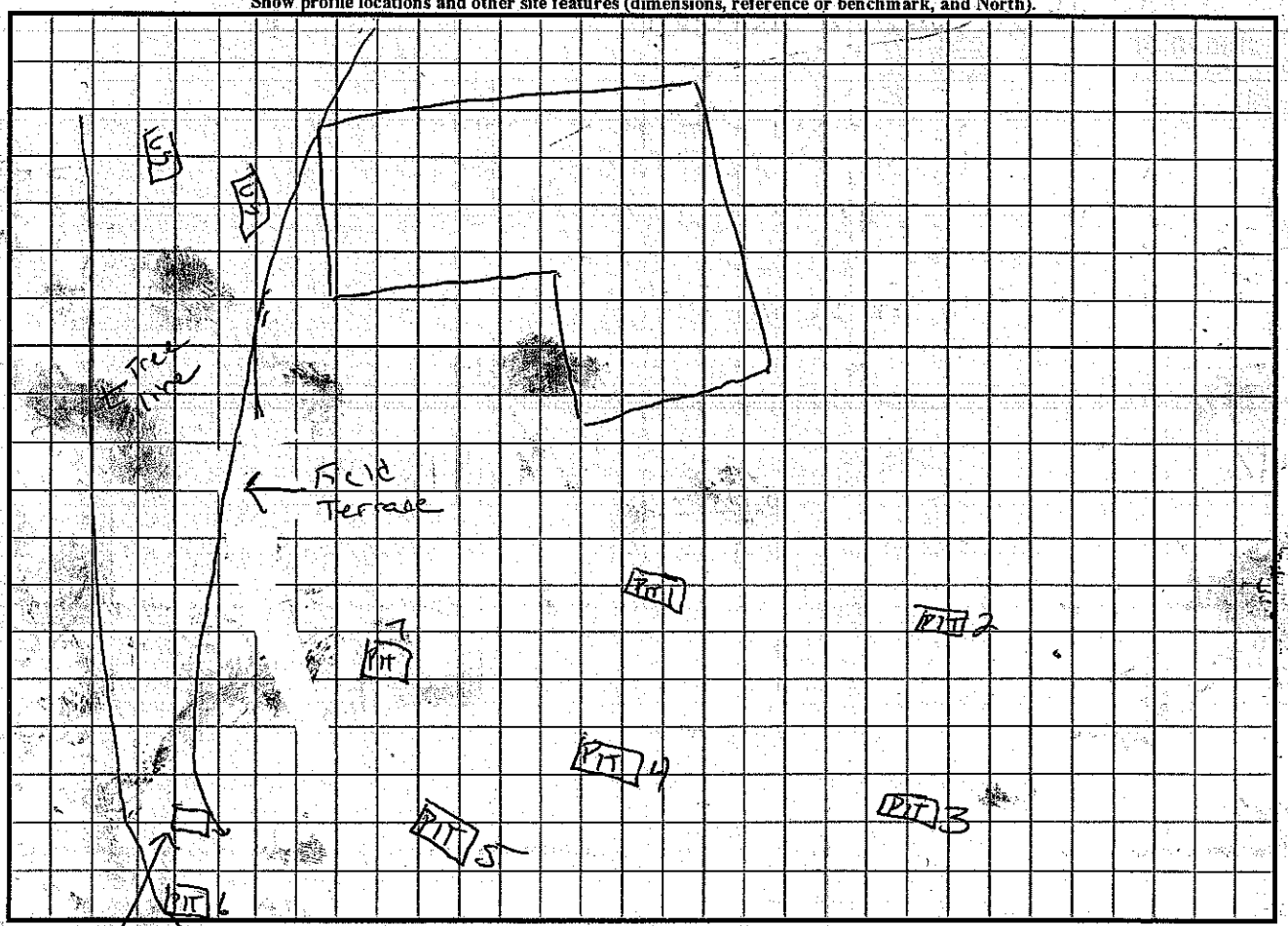
NOTES

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).



* Dont cut at back house site



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