DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 1
PROPERTY ID #: 4832917399
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Phil Smith
ADDRESS: 582 New Salem Rd
PROPOSED FACILITY: SFD
LOCATION OF SITE: 367 Trumpet Branch Rd
WATER SUPPLY: (Private) • Public • Well • Spring • Other
EVALUATION METHOD: • Auger Boring • (Pit) • Cut

APPLICATION DATE 7-1-15
DATE EVALUATED: 7-17-15
PROPOSED DESIGN FLOW (.1949): 240gpd
PROPERTY SIZE: 15 acres
PROPERTY RECORDED: Yes
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	9% NS	0-7	SCL SBK	F Mod SE	>48"	>48"	>48"	20-24" US 20" DRIP	PS 0.25 0.1 DRIP
		7-20	C ABK	F Mod SE					
		20-26	C P1	F Mod SE					
		26-31	C ABK	F Mod SE					
		31-48	BC SAP INCL WABK	F Mod SE					
2	1% NS	0-10	SCL SBK	F Mod SE	>36"	35"	35" US	25"	PS 0.1 DRIP
		10-25	C ABK	F Mod SE					
		25-35	C P1	F					
		35-56	RCO SAP						
	7% NS	0-9	SCL SBK	F Mod SE	45" 5Y 7/4 26-45" 5Y 7/2 @ 45"	>48"	>48"	45"	PS 0.225
		9-24	C ABK	F Mod SE					
		24-48	BC Y/B mottles WABK	F Mod SE					
	9% NS	0-7	SCL SBK	F Mod SE	>48" 5Y 7/4 35-48"	>48"	>48"	>48"	PS 0.25
		7-35	C ABK	F Mod SE					
		35-48	BC Y/B mottles WABK	F Mod SE					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Table Space (.1945)	PS	PS
...n Type(s)	25% Red	DRIP
...TAR	0.225	0.1

OTHER FACTORS (.1946): N/A
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Just Henderson
OTHER(S) PRESENT: N/A

...ENTS:

SOIL/SITE EVALUATION

(Continuation Sheet)

PROPERTY ID #: 4832917899

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

DATE OF EVALUATION: 7-16-15

COUNTY: Iredell

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
		0-11	SCL SBK	Fr mod SS	+60"	49"	49" US	20" 26" US	PS
	10%	11-20	C strong ABK	Fi mod SS					0.25
		20-26	C PL	Fi				20"	
	NS	26-49	BC sap incl MSBK	<50% Fr mod SS					Drip 0.1
		49-60	CL SAT						

COMMENTS:

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL 1955 LTAR*	LPP 1957 LTAR*
CC (Concave Slope)	I	S (Sand)	1.2 - 0.8	0.6 - 0.4
CV (Convex Slope)		LS (Loamy Sand)		
D (Drainage Way)				
DS (Debris Slump)	II	SL (Sandy Loam)	0.8 - 0.6	0.4 - 0.3
FP (Flood Plain)		L (Loam)		
FS (Foot Slope)				
H (Head Slope)	III	Si (Silt)	0.6 - 0.3	0.3 - 0.15
L (Linear Slope)		SiCL (Silty Clay Loam)		
N (Nose Slope)		CL (Clay Loam)		
R (Ridge)		SCL (Sandy Clay Loam)		
S (Shoulder Slope)		SiL (Silt Loam)		
T (Terrace)				
	IV	SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05
		SiC (Silty Clay)		
		C (Clay)		
		O (Organic)	None	None

MINERALOGY/ CONSISTENCE	STRUCTURE
NEXP (Non-expansive)	G (Single Grain)
SEXP (Slightly Expansive)	M (Massive)
EXP (Expansive)	CR (Crumb)
	GR (Granular)
	SBK (Subangular Blocky)
	ABK (Angular Blocky)
	PL (Platy)
	PR (Prismatic)

MOIST	WET
VFR (Very Friable)	NS (Non-sticky)
FR (Friable)	SS (Slightly Sticky)
FI (Firm)	S (Sticky)
VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
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)

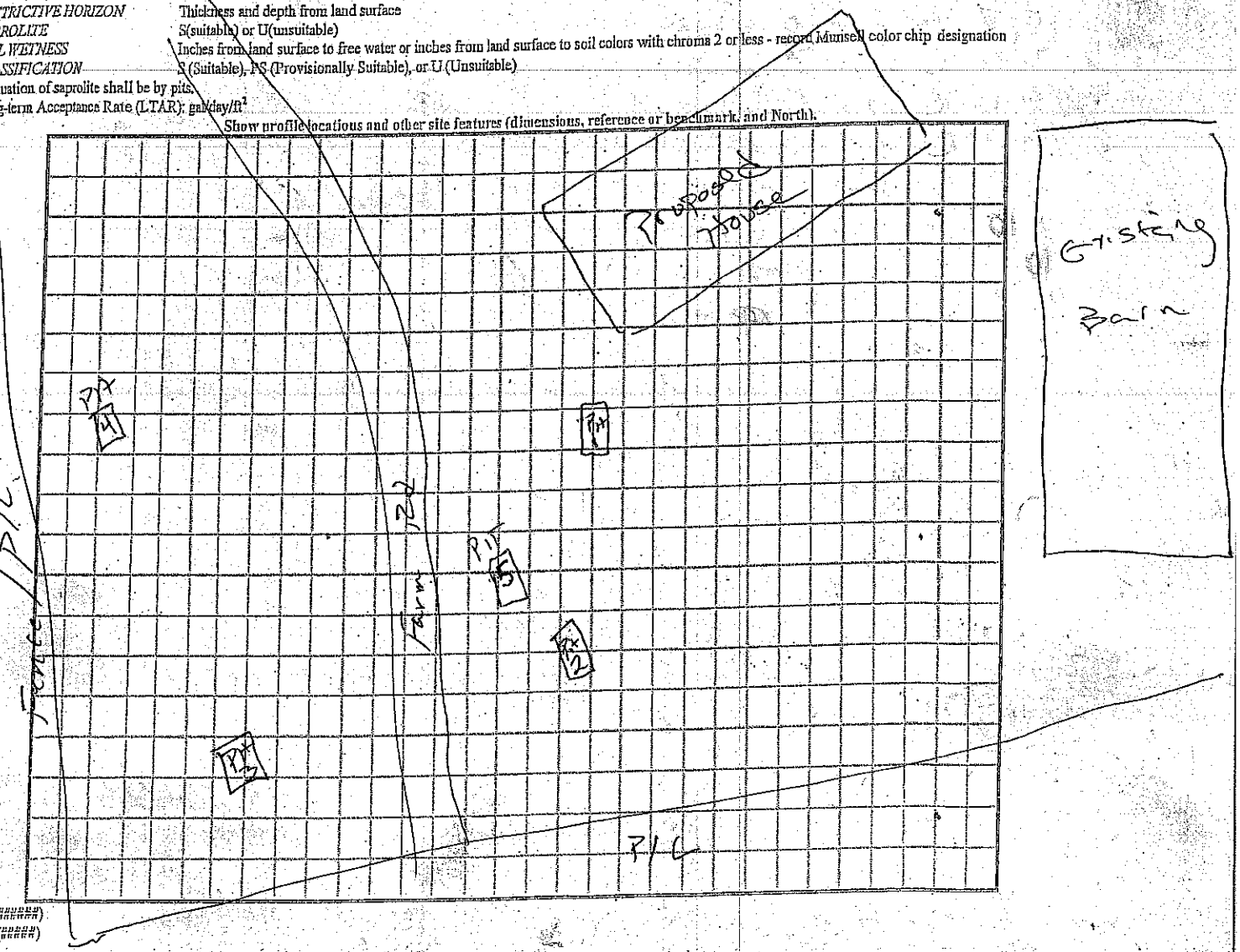
SOIL WETNESS Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation

CLASSIFICATION S (Suitable), PS (Provisionally Suitable), or U (Unsuitable)

Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft²

Show profile locations and other site features (dimensions, reference or benchmark, and North).



DENR (######)
Review (#####)

SHOAF PRECAST SEPTIC TANK, INC.
4130 HIGHWAY 64 WEST
LEXINGTON, NC 27295
TELEPHONE: 336/787-5826
FAX: 336/787-2826

This is to certify the Septic Tank with State approved # PT-363
was delivered on EUPEPTIC SPRING to A-1 BACKHOE.
This tank was poured on 11/16/2015 with 4000 P.S.I. concrete

2/10/16
Jimmy Shoaf
Shoaf Precast Septic Tank, Inc.