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

Sheet 1 of 2
PROPERTY ID #: 483292413
COUNTY: Iredell

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

OWNER: Phil Smith
APPLICATION DATE: 1-14-16
ADDRESS: 582 New Salem Rd.
DATE EVALUATED: 2-17-16
PROPOSED FACILITY: SFD
PROPOSED DESIGN FLOW (.1949): 360 gpd
PROPERTY SIZE: 4.47 acres
LOCATION OF SITE: 409 Trumpet Branch Rd.
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	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1 PIT	6% NS	0-11	SCL SBK	Fr Mod SE	44"	44"	44"	44"	PS 0.25
		11-36	C ABK	Fr Mod SE					
		36-44	BC Y/B mottles ABK	Fr Mod SE	Y/B mottles 36-44"				
		44	Rock						
2 PIT	6% NS	0-7	SCL SBK	Fr Mod SE	48"	48"	48"	48"	PS 0.25
		7-36	C ABK	Fr Mod SE					
		36-48	BC WABK	Fr Mod SE					
			Few Y/B mottles 36-48"						
3 PIT	16% NS	0-7	SCL SBK	Fr Mod SE	48"	48"	48"	48"	PS 0.25
		7-36	C ABK	Fr Mod SE					
		36-48	BC WABK						
			Lithochromic Models 36"-48"						
4 PIT	8% NS	0-32	SCL SBK	Fr Mod SE	56"	32"	32"	32"	PS 0.25
		32-56	CL SAP M	Fi					

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

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

COMMENTS: N/A

SOIL/SITE EVALUATION

(Continuation Sheet-Complete all field in full)

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

PROPERTY ID #: 4832924433
DATE OF EVALUATION: 2-17-16
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
S PIT S	8% NS	0-9	SC SBK		— 9" Chroma 3	—	—	— 9" Chroma 2	US
		9-31	C many Y/B mottles ABK						
		31-48	CL SAP						
PIT 6	6% NS	6-14	SCL GR	FR Mod SE	+42"	42"	42"	42"	PS 0.275
		14-34	C ABK	FR Mod SE					
		34-42	BC SAP Incl WABK	FR Mod SE					
		42-48	Weathered Rock	VFR					
PIT 7	6% NS	0-12	SCL GR	FR Mod SE	+48"	+48"	+48"	+48"	PS 0.275
		12-30	C ABK	FR Mod SE					
		30-48	BC SAP Incl WABK	FR Mod SE					
			Lithochromic 30-40"	models					
AB 8	4% HS	0-8	SCL SBK	FR Mod SE	30"	46"	+46"	30"	PS 0.1 DRIP
		8-26	YB SCL SBK	FR Mod SE					
		26-46	YB BC ABK	FR					
			Chroma 3 @ 30"						
AB 9	<2% HS	0-5			+26"	+33"	+33"	26"	PS 0.1 DRIP
		5-26	YB SCL SBK	FR Mod SE					
		26-33	BC YB WABK	FR Mod SE					
		33	Water in hole/unable to eval						

COMMENTS:

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope) CV (Convex Slope) D (Drainage Way) DS (Debris Slump) FP (Flood Plain) FS (Foot Slope) H (Head Slope) L (Linear Slope) N (Nose Slope) R (Ridge) S (Shoulder Slope) T (Terrace)	I	S (Sand) LS (Loamy Sand)	1.2 - 0.8	0.6 - 0.4	SEXP (Slightly Expansive) EXP (Expansive)	G (Single Grain) M (Massive) CR (Crumb) GR (Granular) SBK (Subangular Blocky) ABK (Angular Blocky) PL (Platy) PR (Prismatic)
	II	SL (Sandy Loam) L (Loam)	0.8 - 0.6	0.4 - 0.3		
	III	Si (Silt) SiCL (Silty Clay Loam) CL (Clay Loam) SCL (Sandy Clay Loam) SiL (Silt Loam)	0.6 - 0.3	0.3 - 0.15		
					MOIST	**WET**
	IV	SC (Sandy Clay) SiC (Silty Clay) C (Clay) O (Organic)	0.4 - 0.1	0.2 - 0.05	VFR (Very Friable) FR (Friable) FI (Firm) VFI (Very Firm v. Very Sticky)	NS (Non-sticky) SS (Slightly Sticky) S (Sticky) VS (Very Sticky)
			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

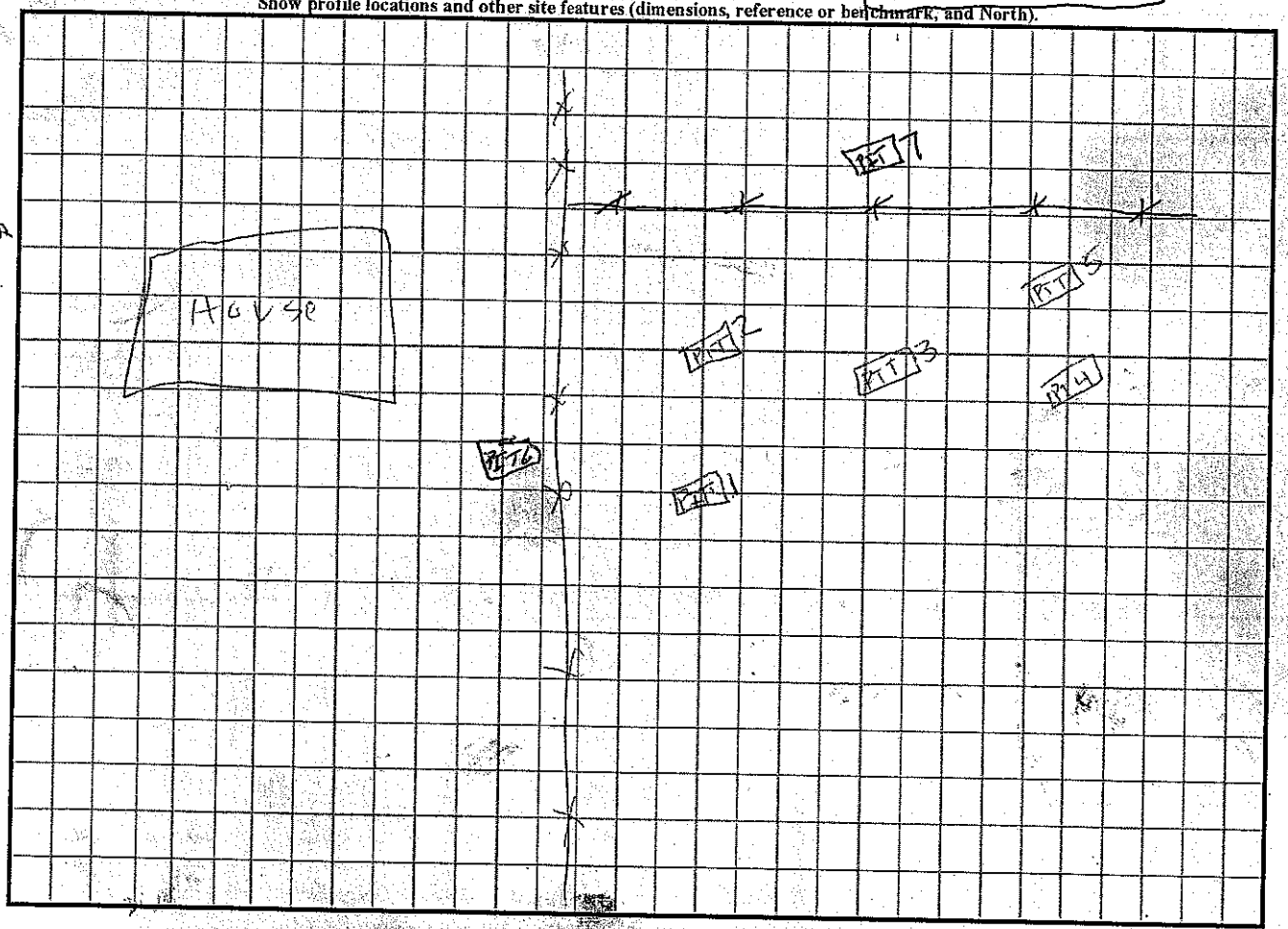
CLASSIFICATION S (Suitable), PS (Provisionally Suitable), or U (Unsuitable)

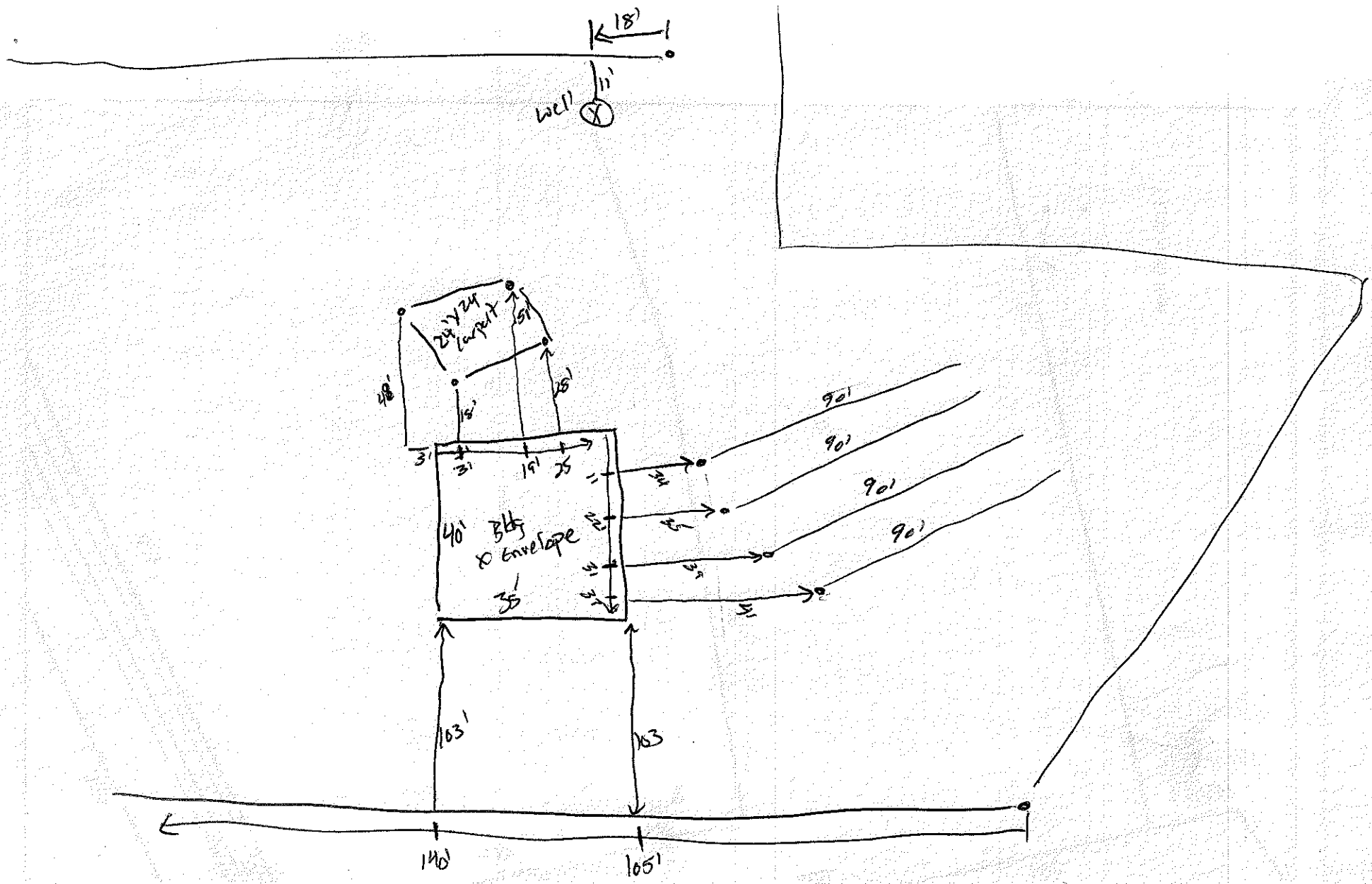
Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft^2

existing
Pool

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




18'
11'
well
24' x 24' carport
15'
48'
18'
25'
3'
3'
19'
25'
40' Bldg envelope
35'
90'
90'
90'
90'
3'
3'
3'
3'
103'
103'
140'
105'

52
4/105

4 90's Laid out

