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

Sheet 1 of 2
PROPERTY ID #: 4730126126
COUNTY: Iredell

need 24"

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

OWNER: Mark Michel — APPLICATION DATE 3-18-16
ADDRESS: 719 Georgia St, Troutman — DATE EVALUATED: 4-21-16
PROPOSED FACILITY: 4BR SFD — PROPOSED DESIGN FLOW (.1949): 480gpd — PROPERTY SIZE: 1.39 acres
LOCATION OF SITE: 12 & Silver Falls 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) STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	6% NS	0-5	BSCL Gr	Fr mod SE	—	—	—	—	Need Pits
		5-26	RC ABK common Y/B mottles	Fr mod SE					
		26-48	RCl WABK Few SAP	Incl Fr mod SE					
2	5% NS	0-5	BSCL Gr	Fr mod SE	—	—	—	—	Need Pits
		5-28	RC SABK common Y/B mottles	Fr mod SE					
		28-48	RC SBK common SAP	Incl Fr mod SE					
3	4% NS	0-5	BSCL Gr	Fr mod SE	—	—	—	—	Need Pits
		5-24	RC ABK common	Y/B mottles Fr mod SE					
		24-48	BC WABK	Fr mod SE					
PIT 4	6% NS	0-7	BSCL SBK	Fr mod SE	+64	+64	+64	+64	PS 0.25
		7-26	RC SABK	Fr SIP mod SE					
		26-64	BC SBK	Fr mod SE					
			common SAP Inclusions						

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

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

COMMENTS: I-TD 36" ★ R-TD 45" ★

Updated February 2014

SOIL/SITE EVALUATION

(Continuation Sheet-Complete all field in full)

Sheet 2 of 2

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

PROPERTY ID #: 4730126126
DATE OF EVALUATION: 4-25-16 (2016)
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
PIT 5	4% NS	0-6	BSCL SBLC	F, mod SE	+65"	50"	50"	6-23	PS 23-65 0.275
		6-23	RC PL common Y/B mottles	SLP F, mod SE					
		23-50	BC SBE common sap incl	F, mod SE					
		50-65	SAP SCL/L M	F, smear SE					
PIT 6	6% NS	0-3	BSCL SBLC	F, mod SE	+59"	53"	53"	1" +59" (6-22US)	PS 22-59 0.25
		3-22	RC PL/ABLC common Y/B mottles	F, mod					
		22-53	BC SAP incl SBLC	F, mod SE					
		53-59	SAP SCL/L M	F, mod SE					
PIT 7	5% NS	0-6	SCL SBLC	F, mod SE	+60"	53"	53"	(0-24US) +60"	PS 0.25"
		6-24	RC SABK/PL Y/B mottles	F, mod SE					
		24-53	BC SAP incl SBLC	F, mod SE					
		53-60	SAP SCL/L M	F, mod SE					

COMMENTS: TD Initial 36" A TD Repair 45" A

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.

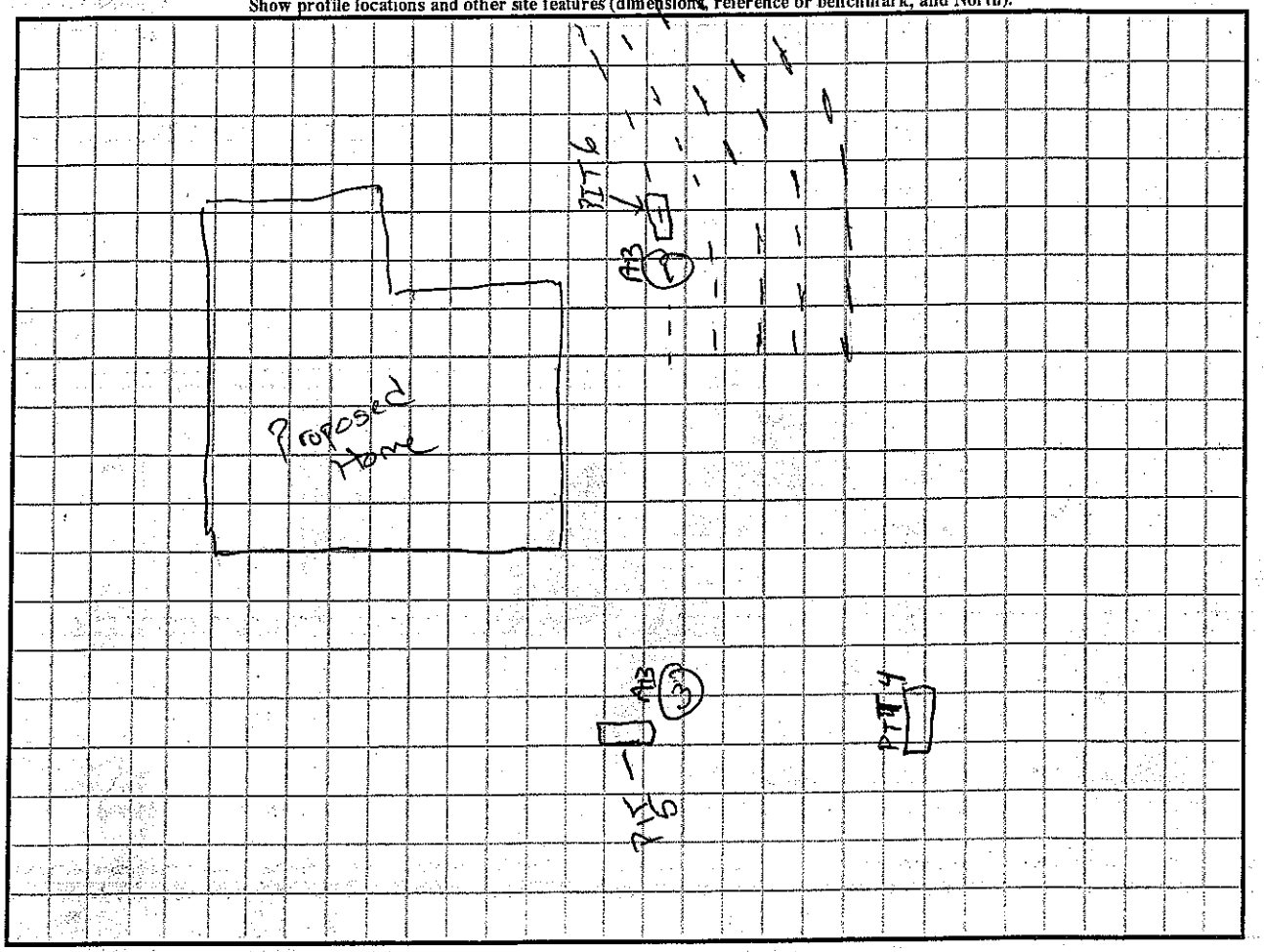
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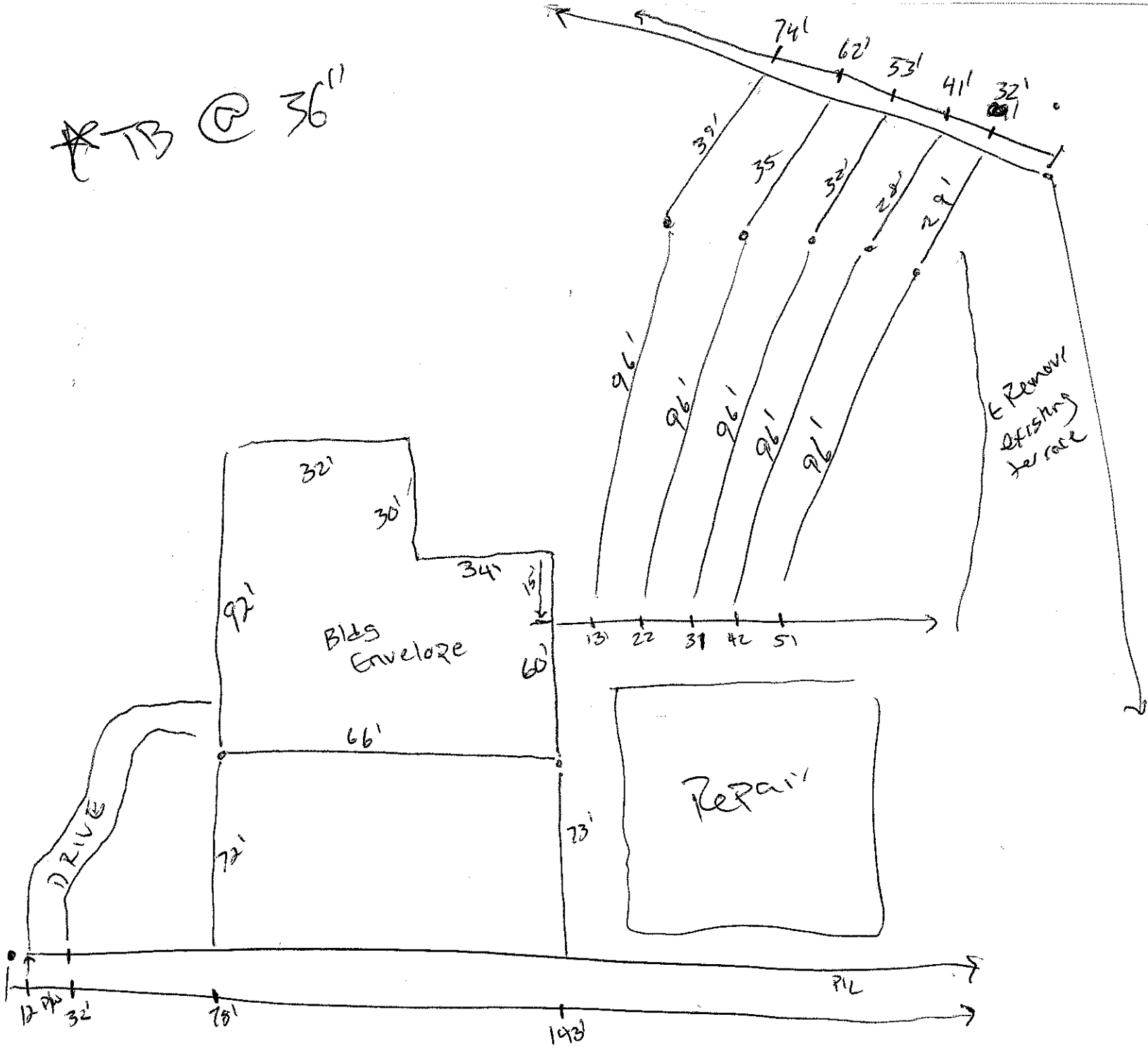
HORIZON DEPTH	In inches below natural soil surface
DEPTH OF FILL	In inches from land surface
RESTRICTIVE HORIZON	Thickness and depth from land surface
SAPROLITE	S(suitable) or U(unsuitable)
SOIL WETNESS	Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or 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).




TB @ 36'
74'
62'
53'
41'
32'
39'
35'
32'
28'
24'
96'
96'
96'
96'
96'
Remove existing terrace
32'
30'
34'
92'
15'
Bldg Envelope
60'
66'
72'
73'
DRIVE
Repair
13'
22
31
42
51
12 PL
32'
78'
193'
PL