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

Sheet 1 of 2
PROPERTY ID #: 3796715716
COUNTY: Iredell

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

OWNER: Chad Millsaps — APPLICATION DATE: 8-19-15
ADDRESS: 4690 Leepers St Iron Station — DATE EVALUATED: 9-10-15
PROPOSED FACILITY: SFD — PROPOSED DESIGN FLOW (.1949): 360gpd — PROPERTY SIZE: ~82 acres
LOCATION OF SITE: 128 Lindsey Farm Rd — 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	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	20% NS	0-14	C micaSBK	Fi Mod SE			26"		Need Pits
		14-26	BC ↑micaWABK	Fr mod SE					
		26-48	SAP						
2	11% NS	0-14	C micaABK	Fi Mod SE			30"		Need Pits
		14-30	BC SAP Incl WABK	Fr Mod SE					
		30-48	SAP						
Pit 3	20% NS	0-16	C SBK	Fi Mod SE	+68"	28"	28"	+68"	PS 0.3
		16-28	BC SAP Incl WABK	Fr Mod SE					
		28-50	L SAP M	Fr Mod SE					
		50-68	SL SAP Gr	VFr Fine SGRD SE					
Pit 4	11% NS	0-23	C ABK	Fr Mod SE	+68"	28"	28"	+68"	PS 0.325
		23-28	Br SAP Incl WABK	Fr Mod SE					
		28-42	L SAP M	Fr Mod SE					
		42-68	SL SAP Gr	Fr Fine SGRD SE					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	III	III
Site LTAR	0.3	0.3

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

COMMENTS: TB @ 36"

SOIL/SITE EVALUATION

(Continuation Sheet-Complete all field in full)

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ON-SITE WATER PROTECTION BRANCH

PROPERTY ID #: 3796715716
DATE OF EVALUATION: 9-24-15
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
PIT 5	14% NS	0-17	C mic SBK	Fi Mod SS	+64"	27"	27"	+64	PS 6.375
		17-27	BC SAP Incl WSBK	Fr Mod SS					
		27-48	L SAP M	Fr Mod SS					
		48-64	SL SAP Gr	VFr fine SE					
PIT 6	18% NS	0-27	C mic SBK	Fi Mod SE	+66"	38"	38"	+66	PS 6.3
		27-38	BC SAP Incl WSBK	Fr Mod SE					
		38-66	L SAP M	Fr Mod SS					

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.

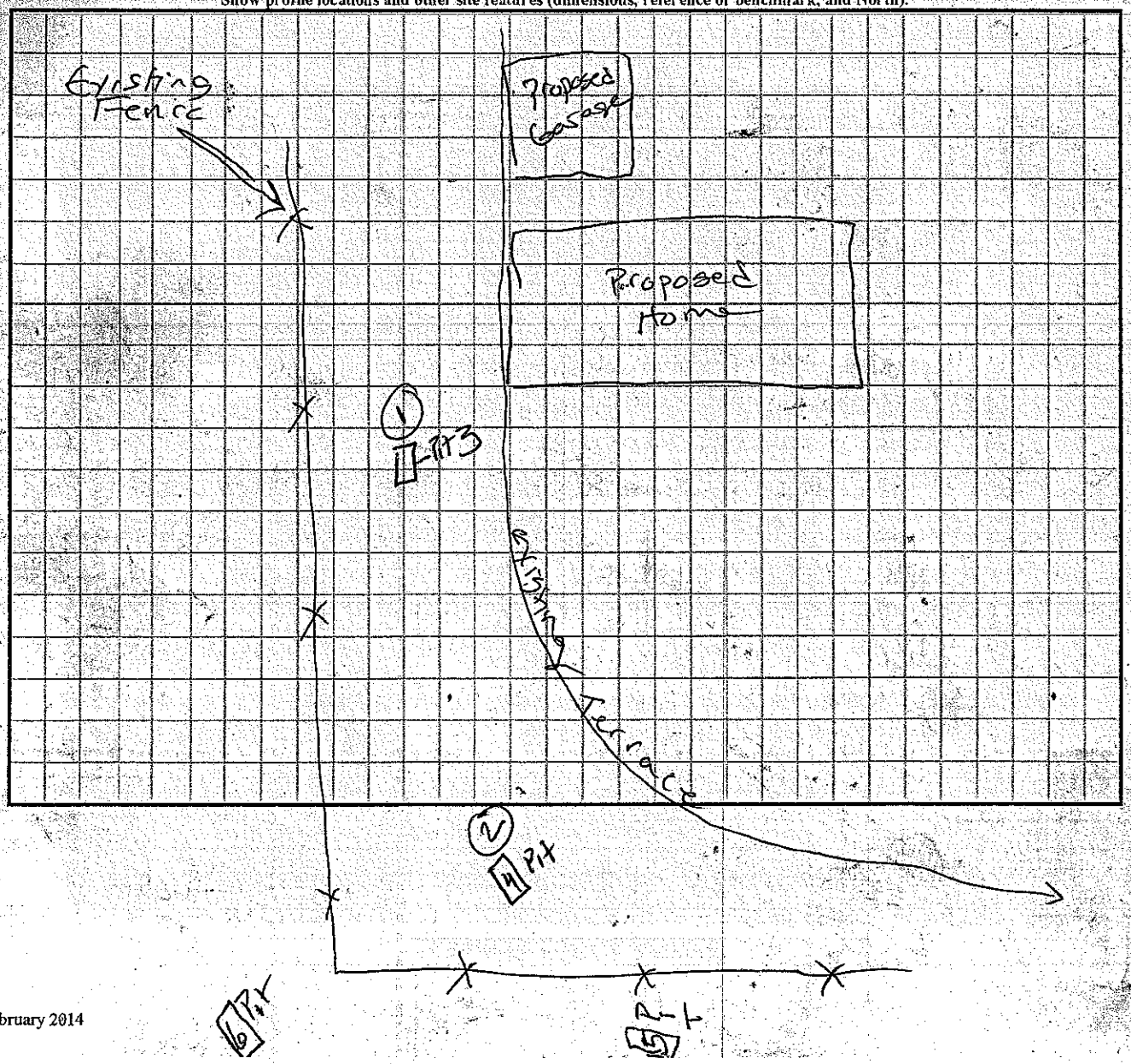
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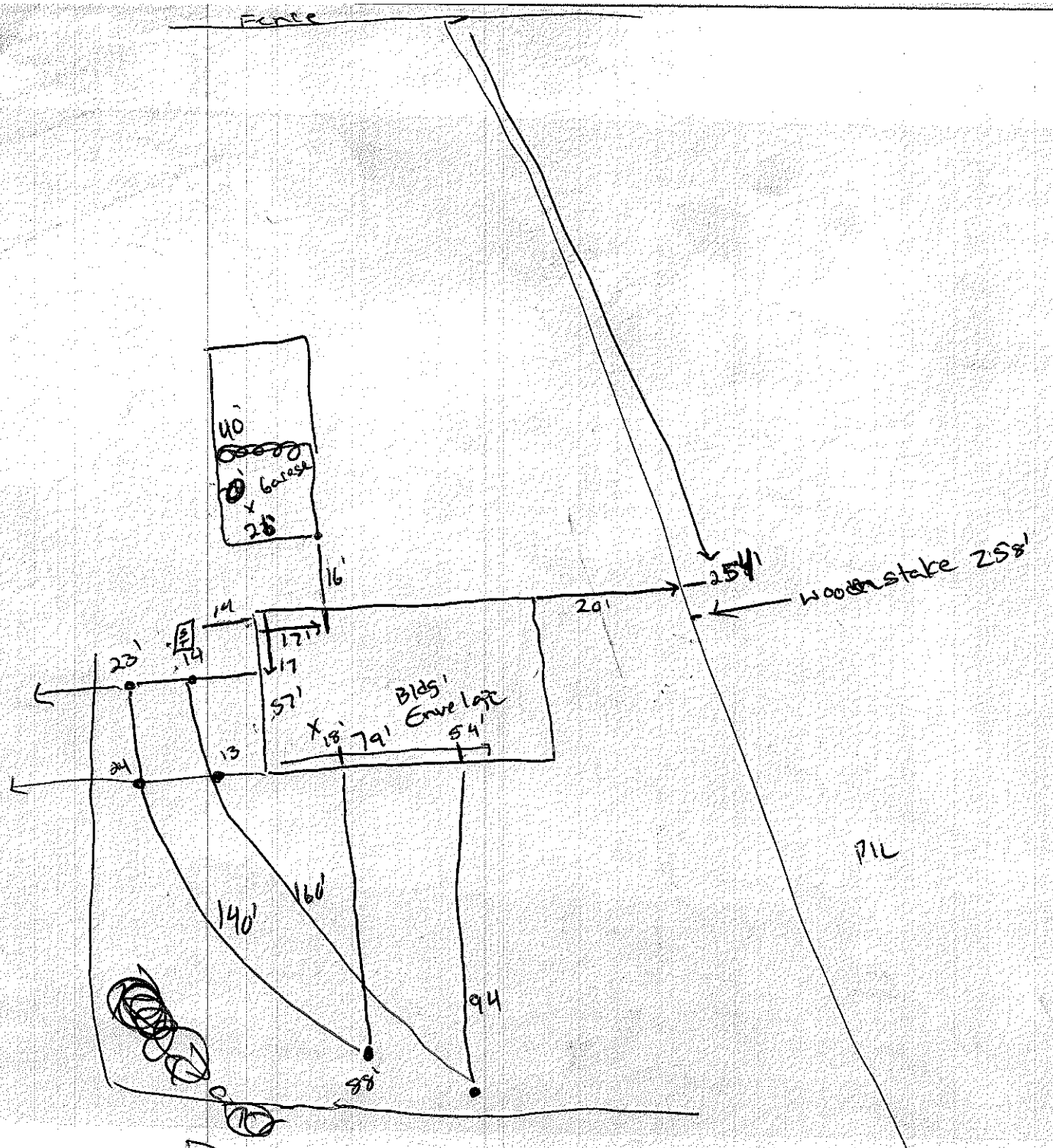
HORIZON DEPTH	In inches below natural soil surface
DEPTH OF FILL	In inches from land surface
RESTRICTIVE HORIZON	Thickness and depth from land surface
SAPROLITE	S(suitable) or U(unsuitable)
SOIL WETNESS	Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or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




Fence
40'
6' Gazebo
X
26'
16'
14'
17'
17'
57'
23'
14'
24'
13'
18'
79'
54'
Bldg. Envelope
254'
Wooden stake 258'
20'
140'
160'
94'
58'
PIL
Repair