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

Sheet 1 of 2
PROPERTY ID #: 4703575102
COUNTY: Iredell

Lot 3434

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

OWNER: Troutman Family
ADDRESS: 128 ADKINS LN
PROPOSED FACILITY: SFD
PROPOSED DESIGN FLOW (.1949): 360 GPD
LOCATION OF SITE: 128 Adkins Ln.
APPLICATION DATE: 6-30-15
DATE EVALUATED: 08/10/15
PROPERTY SIZE: 1.91 acres
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
1	15% NS	0-8	Gr SCL	fr SE	+48" yellow-browns 22"-48"	+48"	+48"	22"	PS 0.1 Drip
		8-22	SBK SC	fi SE					
		22-31	Platy C	fi SE					
		31-48	ABK C	fi SE					
2	10% NS	0-9	Gr SCL	fr SE	+52"	27"	27"	27"	PS 0.2
		9-27	ABK C	fi SE					
		27-52	mass CR	Ufi N/A					
3	14% NS	0-5	Fill	—	39" many yellow browns Chroma 2's 39"	+58"	+58"	39"	PS 0.2
		5-32	SBK SC	fi SE					
		32-58	ABK BC	fi fr SE					
4	12% NS	0-6	Fill	—	29" many yellow browns 18-29" Chroma 2's 29"	+50"	+50"	29"	PS 0.2
		6-18	SBK SC	fi SE					
		18-29	ABK C	fi SE					
		29-58	ABK BC	fi SE					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	~~III~~	V
Site LTAR	0.2	0.1 Drip

OTHER FACTORS (.1946): N/A
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Jeats & Heath
OTHER(S) PRESENT:

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet-Complete all field in full)

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COUNTY: Iredell

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
5	14% NS	0-11	Gr SCL	fr SE	yellow-browns 37-48" Chroma 2's 48"			27"	PS .2
		11-27	ABK C	fi SE					
		27-37	Platy C	fi SE					
		37-48	ABK C	fi SE					
6	12% NS	0-10	Gr SCL	fr SE	many yellow browns 30-53" Chroma 2 30"			30"	PS .2
		10-30	ABK C	fi SE					
		30-53	wABK BC	fi/fr 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) 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) EFI (Extremely Firm)	NS (Non-sticky) SS (Slightly Sticky) S (Sticky) VS (Very Sticky) NP (Non-plastic) SP (Slightly Plastic) P (Plastic) VP (Very Plastic)
		None		None		

*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

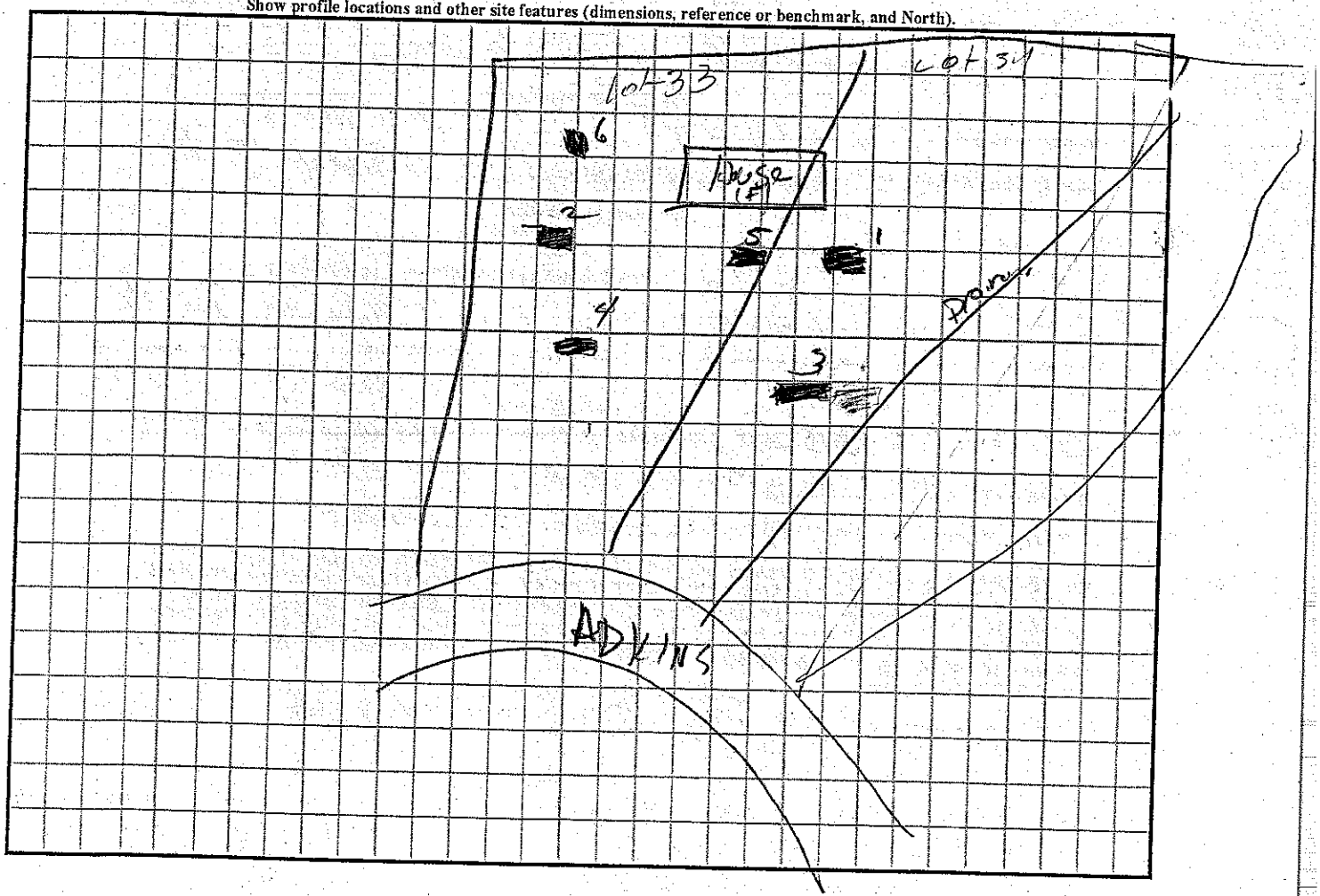
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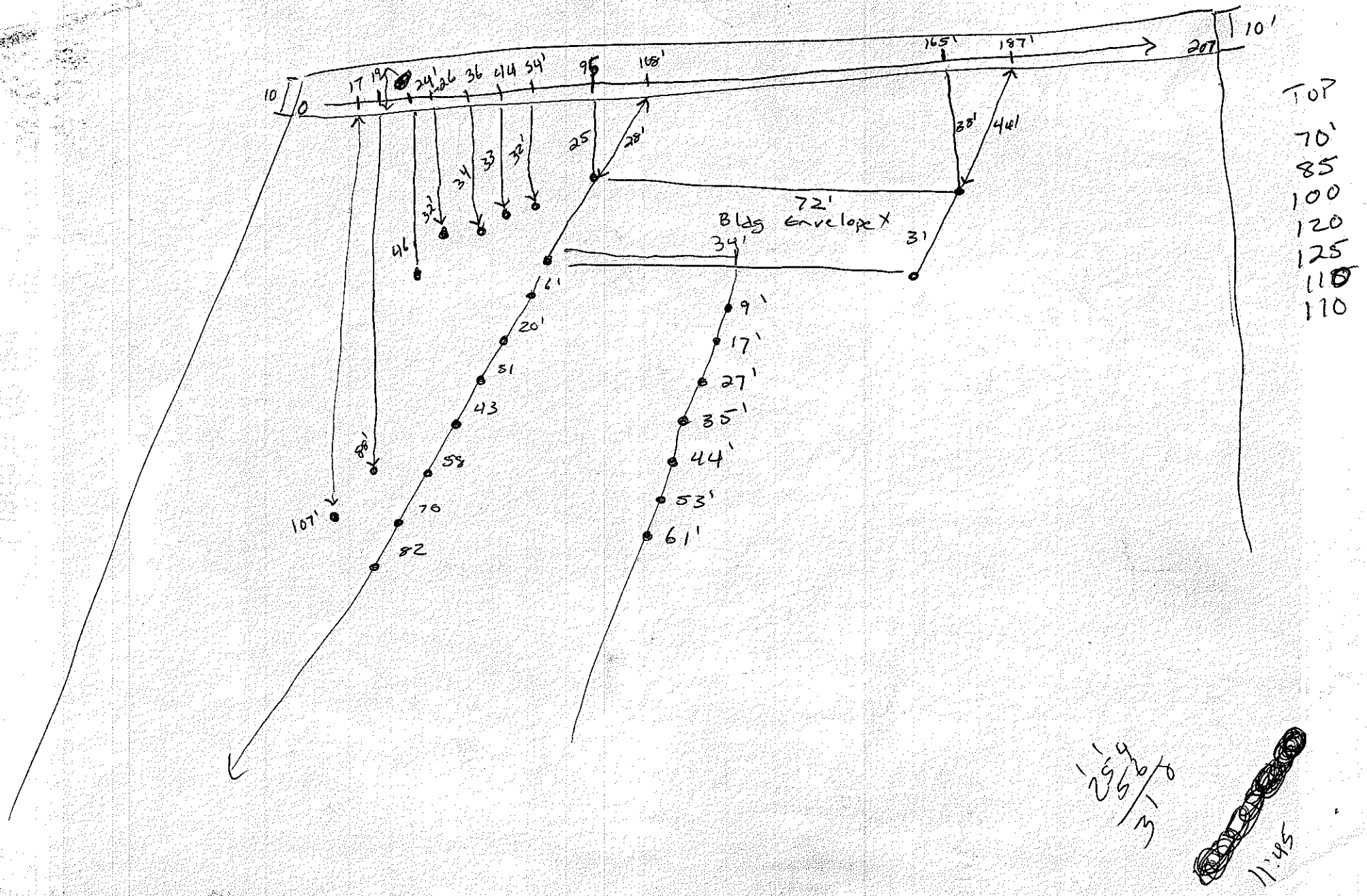
HORIZON DEPTH	In inches below natural soil surface
DEPTH OF FILL	In inches from land surface
RESTRICTIVE HORIZON	Thickness and depth from land surface
SAPROLITE	S(suitable) or U(unsuitable)
SOIL WETNESS	Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or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




10
0
17
19
24'
26
36
44
54'
95
108'
165'
187'
207
10'
25
28'
33
32'
34
32'
46
35'
44'
72'
Bldg envelope X
34'
31
61
20'
51
43
58
76
82
88'
107'
9'
17'
27'
35'
44'
53'
61'
TOP
70'
85
100
120
125
110
110
11.45