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

Sheet 1 of 2
PROPERTY ID #: 47663409
COUNTY: Iredell

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

OWNER: Aisha Morrison — APPLICATION DATE: 6-30-15
ADDRESS: 757 Allen Creek Rd. — DATE EVALUATED: 8-17-15
PROPOSED FACILITY: SFD — PROPOSED DESIGN FLOW (.1949): 360 GPD — PROPERTY SIZE: 0.995 acres
LOCATION OF SITE: 770 Allen Creek 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	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
AB 1	18% slight NS	0-6	SCL Gr	Fr Mod SE					Need PMS
		6-15	C SBC	Fi Mod SE					
		15-27	BC WSBC	Fr Mod SE					
		27-48	SAP						
AB 2	10% Slight NS	0-7	SCL Gr	Fr Mod SE	48"	36"	36"	36"	PS 0.225
		7-14	C ABC	Fi Mod SE					
		14-36	BC WSBC SAP Incl	Fr Mod SE					
		36-48	SAP						
AB 3	5% L	0-5	SCL Gr	Fr Mod SE	48"	48"	48"	48"	PS 0.275
		5-20	C ABC	Fi Mod SE					
		20-48	BC WSBC SAP Incl	Fr Mod SE					
PIT 4	5% L	0-4	SCL Gr	Fr Mod SE	24"	24"	24"	24"	PS 0.125 DRIP
		4-24	C ABC	Fi Mod SE					
		24-48	Rock						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	II	V
Site LTAR	0.275	0.125

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

COMMENTS: TB @ 30"

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.

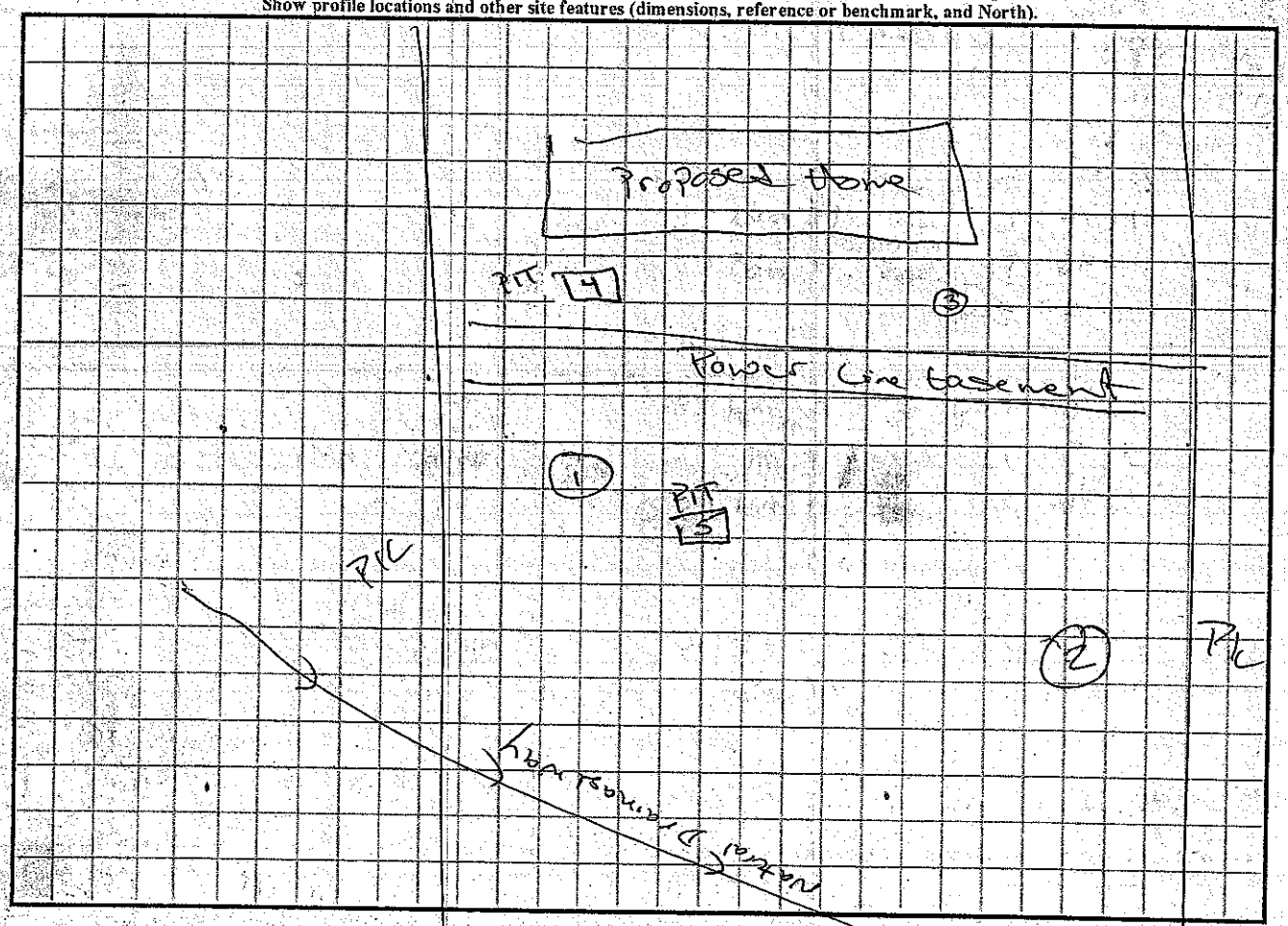
NOTES

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

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



SOIL/SITE EVALUATION

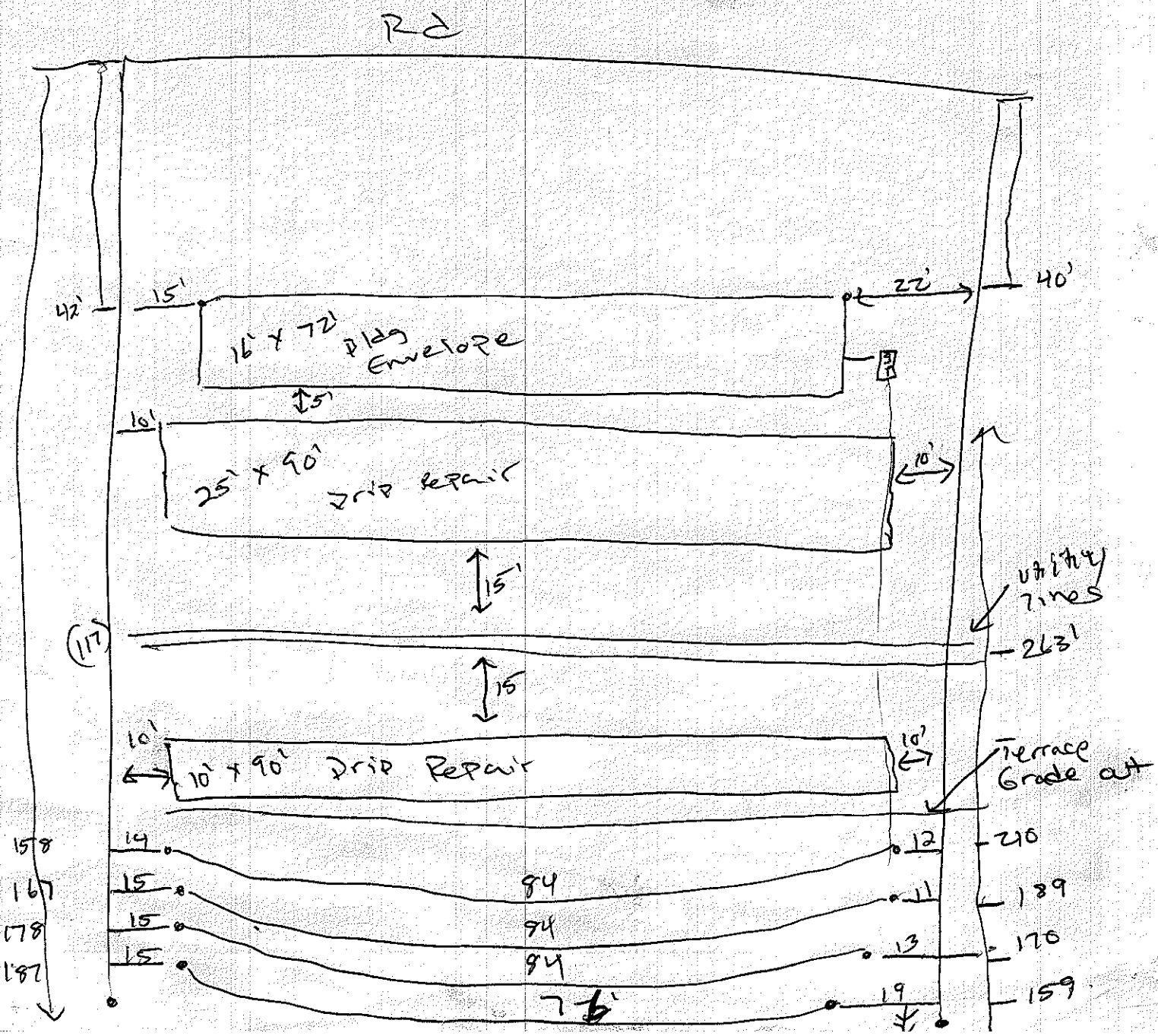
(Continuation Sheet-Complete all field in full)

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

PROPERTY ID #: 4766 340995
DATE OF EVALUATION: 8-19-15
COUNTY: Iredell

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
PIT 5	15% NS	0-5	SCL Gr	Fr mod SE	+44"	39"	39"	44"	PS 6.275
		5-20	C ABIC	Fi mod SE					
		20-39	BC SAP Incl WeBX	Fi mod SE					
		39-44	SAP L M	Fr mod SE	Rock Vein 21"-26" Both Sides of Pit				
		44	Rock						

COMMENTS: T3 @ 30"


RL
42'
15'
22'
40'
16' x 72' Bldg Envelope
5'
10'
25' x 90' Drip Repair
10'
15'
117
utility lines
263'
15
10'
10' x 90' Drip Repair
10'
Terrace Grade at
158
167
178
187
14
15
15
15
84
84
84
12
11
13
19
210
189
170
159