DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet ____ of ____
PROPERTY ID #: 125404
COUNTY: 4730-42-4478

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: DUPONT GROUP
ADDRESS:
PROPOSED FACILITY: WAREHOUSE PROPOSED DESIGN FLOW (.1949): 480
LOCATION OF SITE: TREMONT LOT 13

APPLICATION DATE
DATE EVALUATED:
PROPERTY SIZE:
PROPERTY RECORDED:

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	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	6% L	0-6"	scl wk gr	fr sp nps	TRENCH BOTTOM 24"				PS .3
		6-36"	C mod sbk	fi s p sl sp					
		36-48"	SCL wk f	ss sp sl sp					
2	6% L	0-6"	scl wk gr	fr sp nps p					PS
		6-48"	C mod sbk	fi s p sl sp					
			sap incl-sands 36-48' < 50%						
3	6% L	SAME AS HOLE 2							PS .3
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	YES	YES
System Type(s)	CONV 254.1(k)	LPP 50% 1200
Site LTAR	.3	.3

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: L. COOK
OTHER(S) PRESENT: J. DUPONT

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	NEXP (Non-expansive)	G (Single Grain)
CV (Convex Slope)		LS (Loamy Sand)			SEXP (Slightly Expansive)	M (Massive)
D (Drainage Way)					EXP (Expansive)	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.

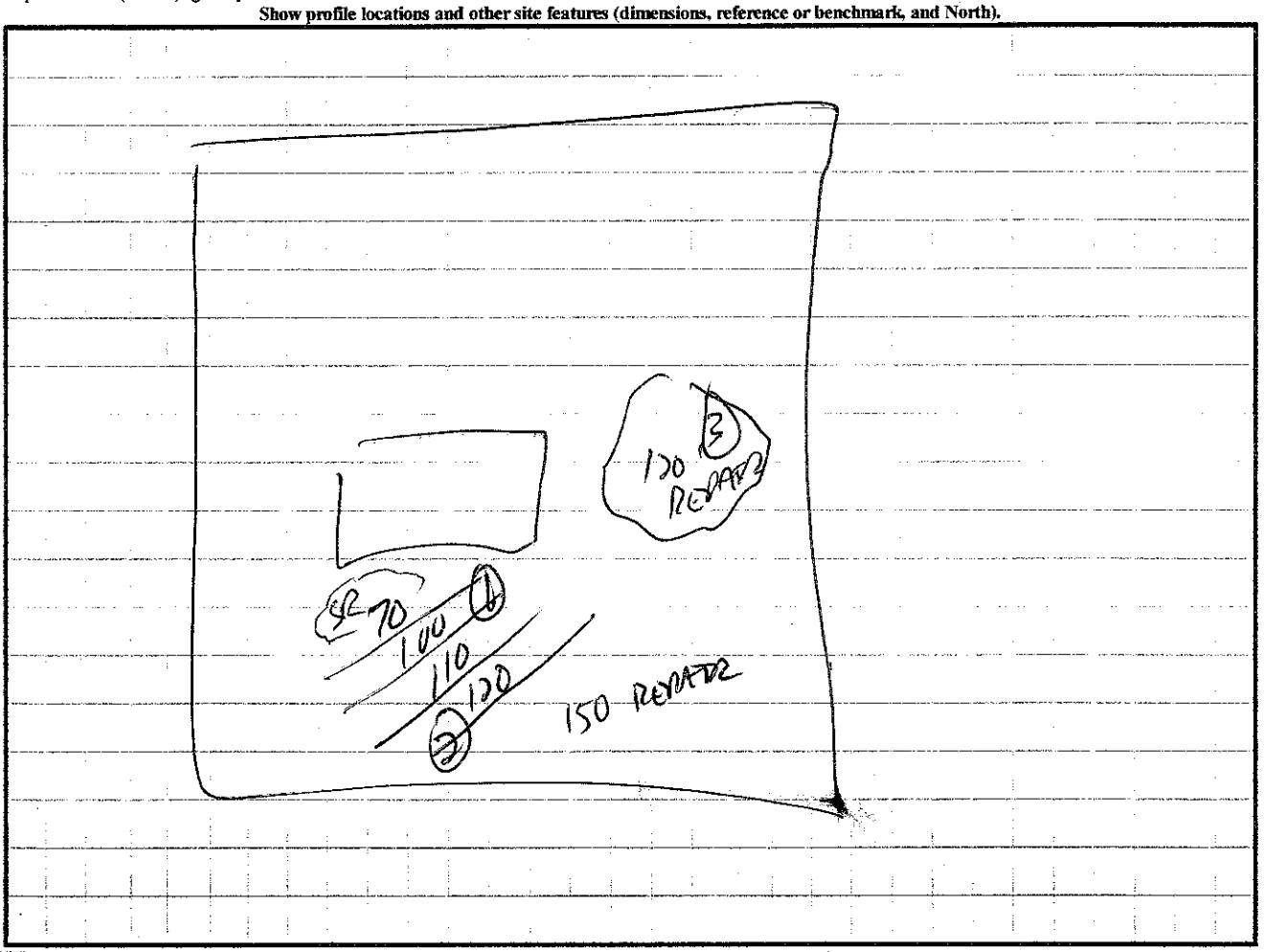
NOTES

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).



DENR (######)

Review (#####)

...NATURAL RESOURCES
...ENVIRONMENTAL HEALTH

PROPERTY RECORDED: _____
COUNTY: _____

SOIL/SITE EVALUATION
FOR
ON-SITE WASTEWATER SYSTEM

APPLICANT: Reginald Hooker OWNER: _____ AGENT: _____ PHONE: _____
ADDRESS: _____ APPLICATION DATE: _____ DATE EVALUATED: _____
_____ PROPOSED FACILITY: _____
_____ PROPERTY SIZE: _____
LOCATION OF SITE: Tremont
WATER SUPPLY: On-Site Well___ Comm. Well___ Public___ Other_____ EVAL. METHOD: Auger Boring___ Pit___ Cut___

PROFILE #	.1940 LANDSCP POS. (%)	HORIZON DEPTH (IN.)	1941 STRUCTURE/TEXTURE	1941 MINERALOGY/ CONSISTENCE	1942 WETNESS COND.	.1944 RESTRICT HORIZONS	.1948 CLASS OF HORIZ	1943/ 1956 SAPRLT CLASS.	HORIZON LTAR
1	linear 690	0 to 48	C SbK	S SAP	PS	PS	PS	PS	.3
2	linear	0 to 48	C SbK	S SAP	PS	PS	PS	PS	.3
3									
4									
5									

AVAILABLE SPACE (1945): _____ SITE CLASSIFICATION (1968): _____ SITE LONG-TERM ACCEPTANCE RATE _____
EVALUATED BY: R.C. Moore (AUTHORIZED REPRESENTATIVE): _____
COMMENTS: _____

JAN. 1, 1989 3:24

IREDELL COUNTY HEALTH DEPARTMENT

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Donna M. Campell, RN, MPH
Health Director