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

Sheet ___ of ___
PROPERTY ID #: 13426 2
COUNTY: 4730-36-8168

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Summerwood Homes
ADDRESS: 173 WEST MORAVIA RD MOORESVILLE NC 28117
PROPOSED FACILITY: PROPOSED DESIGN FLOW (.1949): 480
LOCATION OF SITE: LOT 6, TWIN CREEKS PH I
APPLICATION DATE 3-20-06
DATE EVALUATED: MULTIPLE DATES
PROPERTY SIZE: 1.46 IV ACRE
PROPERTY RECORDED: YES
WATER SUPPLY: ☐ Private ☒ Public ☐ Well ☐ Spring ☐ Other community well
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	24/0 L	0-6"	scl wk gr	fri sl plas		74"			PS .3
		6-36"	cond sbk	fr ss ps					
		36-55"	cl wk sbk	fr ss ps					
2	24/0 L	0-3'	scl wk gr	fr ss plas		>48"			PS .3
		3-36"	cond sbk	fr ss ps					
		36-60"	cl wk sbk	fr ss ps					
3	ADD CAP IF NECESSARY 24/0 to 44/0	0-3	scl wk gr	fr ss plas		24"		shallow	PS LPP 0.125
		3-24"	cond sbk	fr ss ps	light gray mottles common			CAP	
		24-48"	cl sap mix	VFS					
4	ADD CAP IF NECESSARY 24/0	0-6"	scl wk gr	fr ss plas		24"			PS 0.125
		6-24"	cl wk sbk	fr ss ps					
		24-48"	cl sap mix	fr ss ps	light gray mottles				

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	CAP LOW PRESS	LPP
System Type(s)	YES	YES
Site LTAR	.25	.125

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948):
EVALUATED BY: L. COOK Rowan
OTHER(S) PRESENT: B. Dearman soil scientist

COMMENTS:
TWEAK OF SLOPE ⑥ 0-3 scl wk gr fri ss plas
3-44 cond sbk fr ss ps 44-48 - cl sap mix ⑤ 44" soil wetness PS, 25

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	NEXP (Non-expansive) 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		
	IV	SC (Sandy Clay) SiC (Silty Clay) C (Clay) O (Organic)	0.4 - 0.1 None	0.2 - 0.05 None	**MOIST** VFR (Very Friable) FR (Friable) FI (Firm) VFI (Very Firm v. Very Sticky) EFI (Extremely Firm)	**WET** NS (Non-sticky) SS (Slightly Sticky) S (Sticky) VS (Very Sticky) 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.

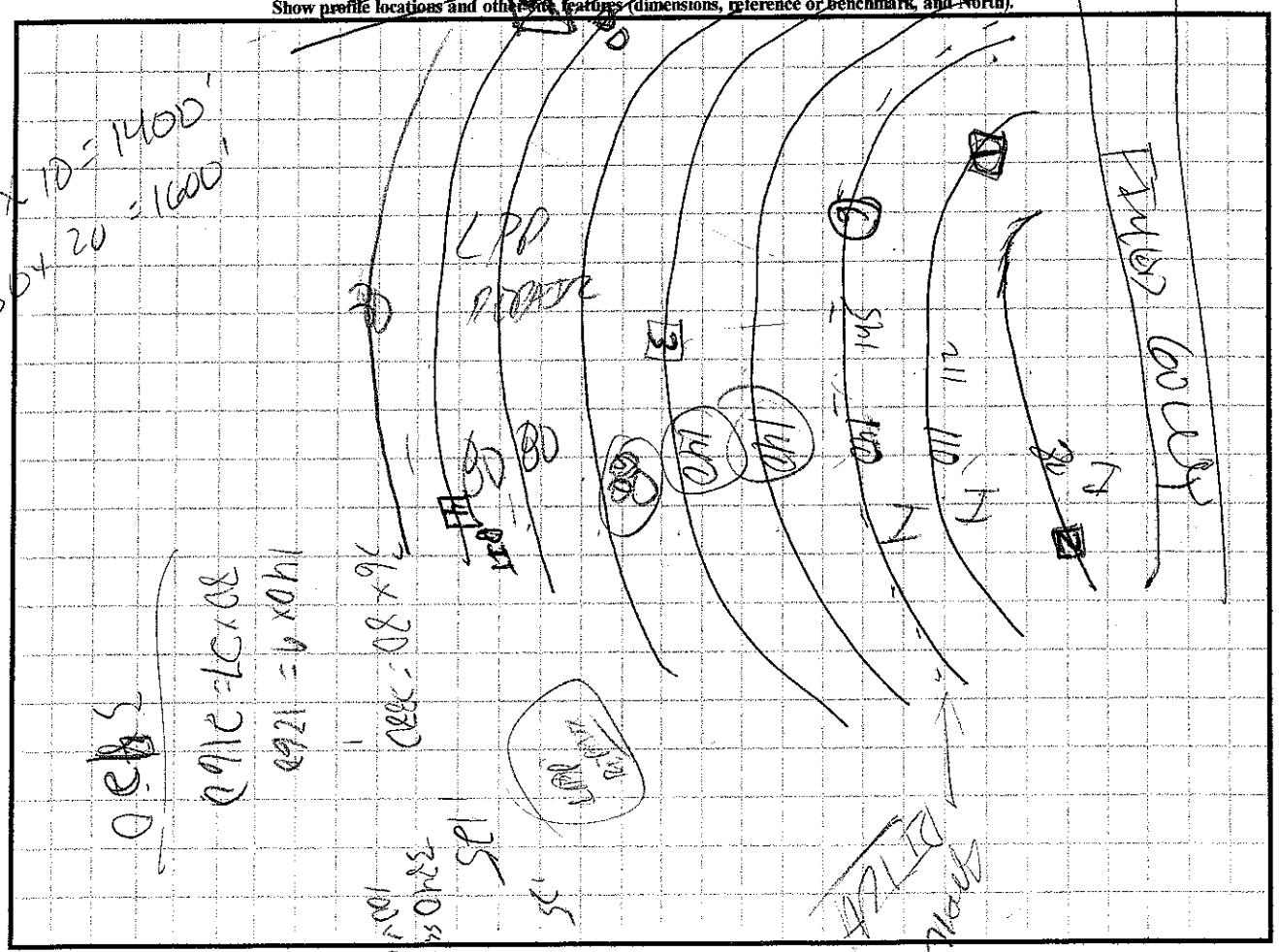
NOTES

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 (#####)