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

Sheet 1 of 2
PROPERTY ID #: 4757-37-9875
COUNTY: IREDELL

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM (Lot 5)

OWNER: TOM PALMER HOMES INC APPLICATION DATE 9-26-08
ADDRESS: 125 O'HENRY AVE, DAVIDSON, NC 28036 DATE EVALUATED: 10/28/08
PROPOSED FACILITY: 3 BR HOUSE PROPOSED DESIGN FLOW (.1949): 360 PROPERTY SIZE: 1.233 ACRES
LOCATION OF SITE: HIGHLANDS @ MAPLE CREEK LOT #5 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	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	12% slope Nose slope	0-2	SCL wfSBK	vfr		*PITS REQUIRED	P.S.		
		2-42	CL wfSBK	fr					
		42-48	SAP SL						
2	14% slope Nose slope	0-14	SCL wfSBK	vfr		*PITS REQUIRED	P.S.		
		14-35	SCL wfSBK	vfr					
		35-48	SAP SL						
3	13% slope Nose slope	0-8	SCL wfSBK	vfr SS, SP, SEXP		48"			.35
		8-40	CL wfSBK	fr SS, SP, SEXP					
		40-48	CL wfSBK	vfr SS, SP, SEXP					
4	11% slope Nose slope	0-14	SCL wfSBK	vfr		48"			.35
		14-48	CL wfSBK	vfr					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	II	~~III~~
Site LTAR	0.35	0.35

OTHER FACTORS (.1946): NONE
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Kyle Baker, Steve Hendrick
OTHER(S) PRESENT: TOM PALMER

COMMENTS: _____

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTU
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	SCL (Sandy Clay Loam) SiL (Silt Loam) CL (Clay Loam) SiCL (Silty Clay Loam) Si (Silt)	0.6 - 0.3	0.3 - 0.15		
	IV	SC (Sandy Clay) SiC (Silty Clay) C (Clay)	0.4 - 0.1	0.2 - 0.05		
		O (Organic)	None			

MOIST	WET
VFR (Very Friable)	NS (Non-sticky)
FR (Friable)	SS (Slightly Sticky)
FI (Firm)	S (Sticky)
VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
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.**

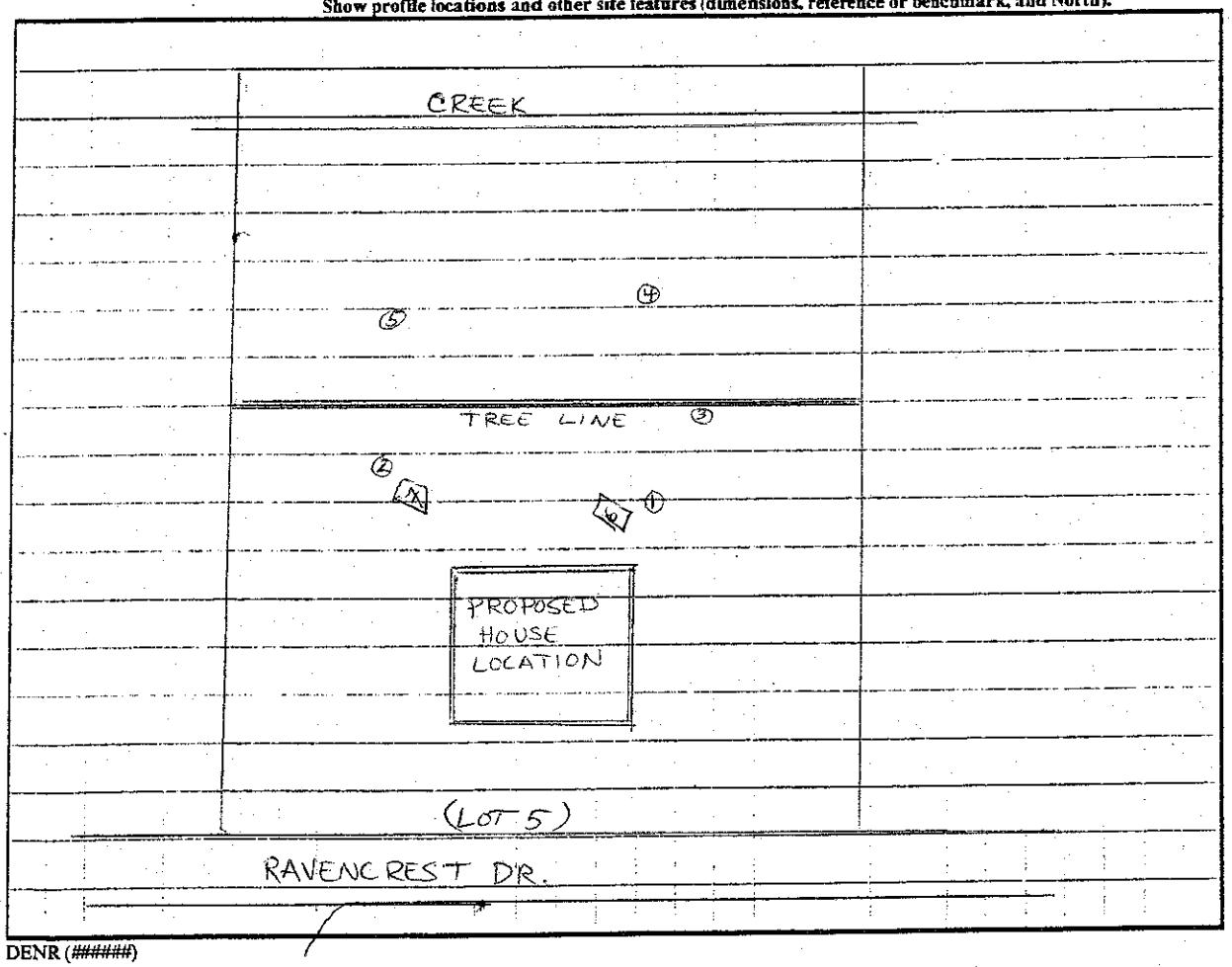
NOTES

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 (#####)

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

Sheet 2 of 2
PROPERTY ID #:
COUNTY: ~~MECKLENBURG~~

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

(Lot 5) 4757-37-9875

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(5) 1	12% slope	0-12	SCL WFSBK	vfr SS, SP, SEAP					
		12-41	CL WFSBK	fr SS, SP, SEAP					
		41-48	CL WFSBK	vfr SS SP, SEAP					.35
						48"			
6 2	PIT 10% SLIGHT N	0-2	~~WFSBK~~ WFSBK SCL	VFR SEAP					
		2-36	WFSBK CL	FR SEAP					
		36-54	L SAPROLITE	VFR SEAP			PS @ 36-54"		PS 0.35
7 3	PIT 10% SLIGHT N	0-2	WFSBK SCL	VFR SEAP					
		2-28	WFSBK w/QUARTZ CL	FR SEAP					PS
		28-56	L SAPROLITE	VFR SEAP			PS @ 28-56"		0.35
4									

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System Type(s)	II	II
Site LTAR	0.35	0.35

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SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Kyle Baker
OTHER(S) PRESENT:

COMMENTS: