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

Sheet 1 of 1
PROPERTY ID #:
COUNTY: IREDELL

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Lot 4 4757-47-1738

OWNER: TOM PALMER HOMES INC APPLICATION DATE 9-26-08
ADDRESS: 125 O'HENRY AV, DAVIDSON, NC 28036 DATE EVALUATED: 10-27-08
PROPOSED FACILITY: 4 BR HOUSE PROPOSED DESIGN FLOW (.1949): 480 PROPERTY SIZE: 1.2586 ACRES
LOCATION OF SITE: HIGHLANDS @ MAPLE CREEK LOT #4 PROPERTY RECORDED:
WATER SUPPLY: ☐ Private ☑ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☑ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☑ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LAND-SCAPE POSITION/ SLOPE %	HORI-ZON 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	slight headslope 10% slope	0-3	SCL wfSBK vfr	SS, SO, SPK O		48"			PS 0.30
		3-48	CL wf SBK fr	SS, SO, SPK O					
2	slight headslope 9% Slope	0-8	SCL wfSBK vfr			48"			PS 0.30
		8-48	CL wfSBK fr						
3	slight headslope 11% slope	0-6	SCL wfSBK vfr			48"			PS 0.30
		6-48	CL wfABK fr						
4	slight headslope 14% slope	0-6	SCL wfSBK fr			48"			PS 0.30
		6-48	CL wfSBK fr						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	II	II
Site LTAR	0.3	0.3

OTHER FACTORS (.1946): NONE
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: KYLE BAKER, STEVE HEDRICK
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)	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)
DS (Debris Slump) FP (Flood Plain) FS (Foot Slope)	II	SL (Sandy Loam) L (Loam)	0.8 - 0.6	0.4 - 0.3		GR (Granular) SBK (Subangular Blocky, ABK (Angular Blocky)
H (Head Slope) L (Linear Slope) N (Nose Slope)	III	SCL (Sandy Clay Loam) SiL (Silt Loam) CL (Clay Loam)	0.6 - 0.3	0.3 - 0.15		PL (Platy) PR (Prismatic)
R (Ridge) S (Shoulder Slope) T (Terrace)		SiCL (Silty Clay Loam) Si (Silt)			**MOIST**	**WET**
	IV	SC (Sandy Clay) SiC (Silty Clay) C (Clay)	0.4 - 0.1	0.2 - 0.05	VFR (Very Friable) FR (Friable) FI (Firm) VFI (Very Firm v. Very Sticky)	NS (Non-sticky) SS (Slightly Sticky) S (Sticky) VS (Very Sticky)
		O (Organic)	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.**

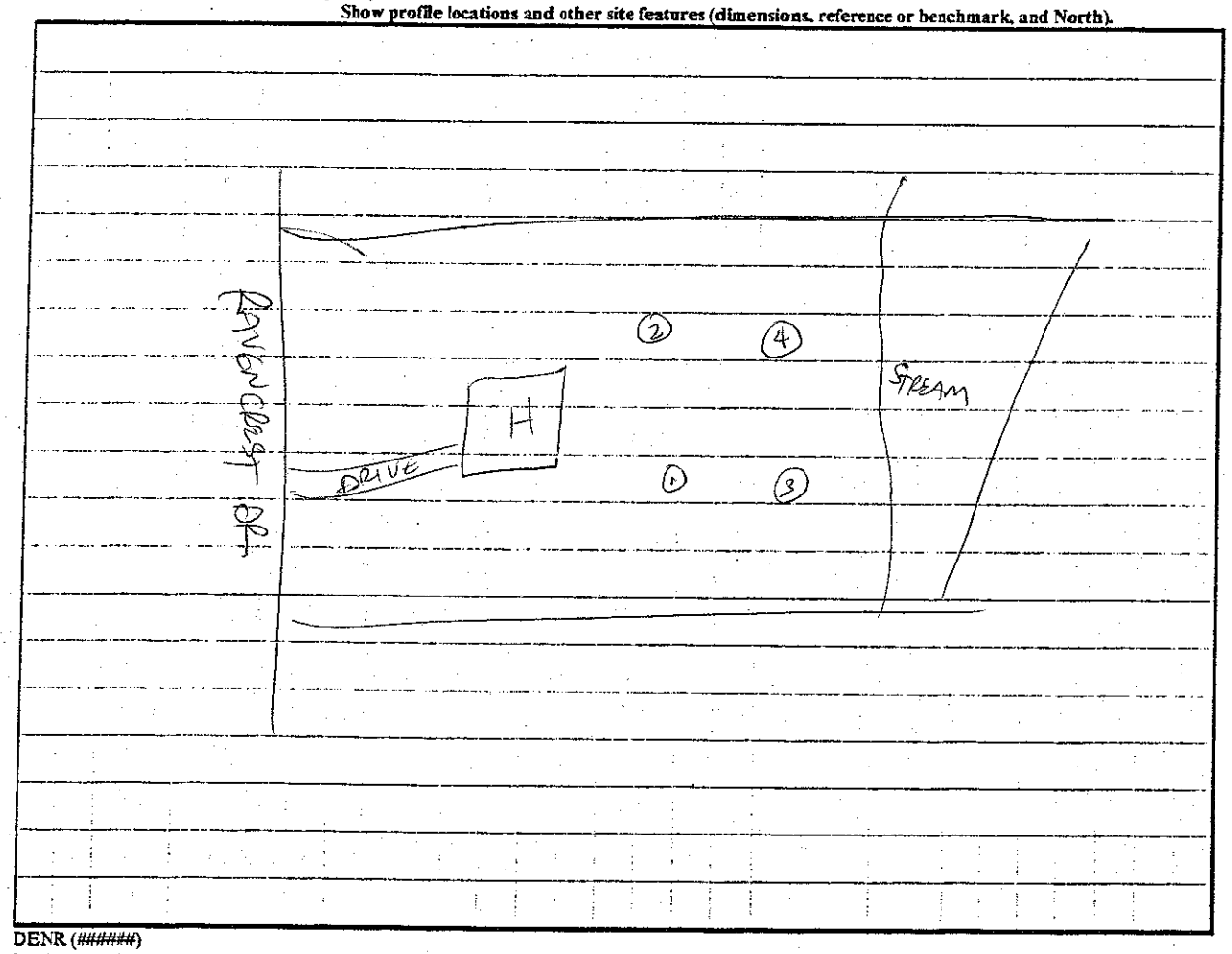
NOTES

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 (#####)