DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet ___ of ___

PROPERTY ID #: ___

COUNTY: ___

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Dixie Land Construction, Inc. 704-202-4071

ADDRESS: 107 Sundance Circle Statesville NC 28625 APPLICATION DATE 12/5/09

PROPOSED FACILITY: New SF home PROPOSED DESIGN FLOW (.1949): 360 gpd DATE EVALUATED: 12-21-09

LOCATION OF SITE: Hwy 21 North to Lewis Fork Rd, 1st Left on Cheeks Chapel Rd, Lot 3 on Left PROPERTY SIZE: ___

WATER SUPPLY: • Private • X Public • Well • Spring • Other ___ PROPERTY RECORDED: Lot 3 Deer Chase Sec 3 #55

EVALUATION METHOD: • X Auger Boring • Pit • Cut TYPE OF WASTEWATER: • X 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
#3	Linear side Slope 6%	0-3"	SL GR	FRi SS SP	2.5YR 6/4	48"			PS 0.3
		3-14"	SC WK SBK	FI SS SP					
		14-33	SCL WK SBK	FRi SS SP					
		33-48	SL GR	FRi SS SP					
#4	Linear side Slope 10%	0-3	SL GR	FRi SS SP	2.5YR 6/4	48"	Grp 2 Sitty Cayey		PS 0.25
		3-20	SC WK SBK	FI SS SP					
		20-48"	SL/LWK SBK WK Ppy Inclusions	FRi SS SP					
#5	Linear side Slope 6%	0-4"	SL GR	FRi SS SP	2.5YR	48"			PS 0.3
		4-18	SL WK SBK	FI SS SP					
		18-24	SCL WK SBK	FRi SS SP					
		24-48	SL WK SBK	FRi SS SP					
#6	Backhoe Pit 6%	0-6"	SL GR	FRi SS SP	2.5YR 6/4	50"			PS 0.3 gpd
		6-20"	SCL WK SBK	FI SS SP					
		20-30"	SCL WK SBK	FRi SS SP					
		30-50	SL WK SBK	FRi SS SP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	Yes Gravity	Yes Gravity
System Type(s)	25% Red	25% Reduction
Site LTAR	0.25 gpd/ft²	0.25 gpd/ft²

OTHER FACTORS (.1946): ___

SITE CLASSIFICATION (.1948): PS Application 0.25 gpd/ft²

EVALUATED BY: Fred Clemmer / Blake Young

OTHER(S) PRESENT: ___

COMMENTS: Use 3' X 120' 25% Reduction

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTU
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	SCL (Sandy Clay Loam)	0.6 - 0.3	0.3 - 0.15		PL (Platy)
L (Linear Slope)		SiL (Silt Loam)				PR (Prismatic)
N (Nose Slope)		CL (Clay Loam)				
R (Ridge)		SiCL (Silty Clay Loam)			MOIST	WET
S (Shoulder Slope)		Si (Silt)				
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		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.

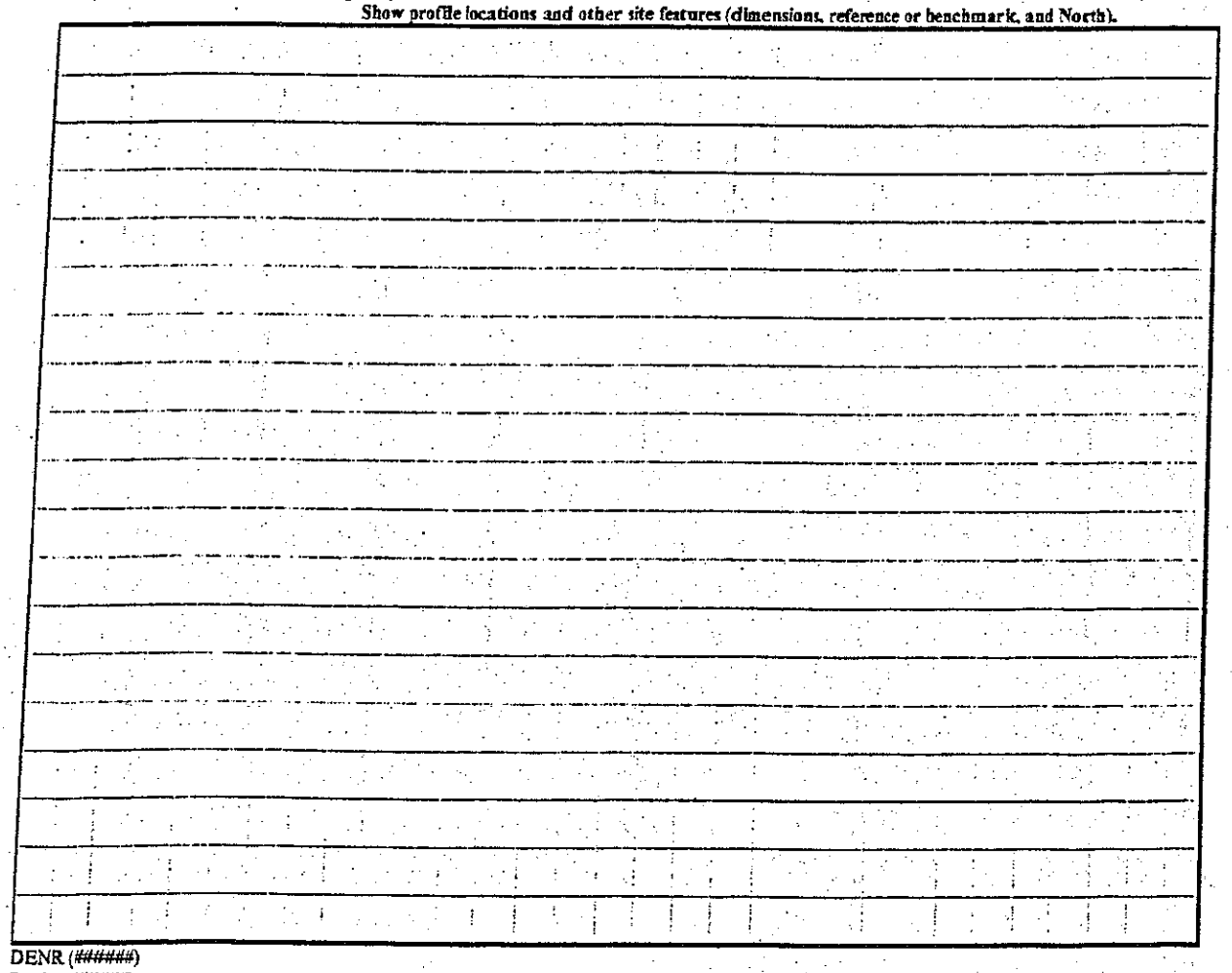
NOTES

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 (######)