DENR/DEH

ON-SITE WASTEWATER SECTION

Property Address: 146 Sundance Circle

Sheet ___ of ___
PROPERTY ID #: ___
COUNTY: ___

Permit # 15905-20

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

PIN# 4747-29-8822

OWNER: Dixie Land Construction, INC (704) 202-1971
ADDRESS: 133 Redemption Rd Statesville, NC
PROPOSED FACILITY: Home PROPOSED DESIGN FLOW (.1949): 3 bdrm
LOCATION OF SITE: 210 N Jennings Rd, 600.5 mile to
WATER SUPPLY: • Private • X Public • Well • Spring • Other Deer Crossing Lot 84 TL Shyndree
EVALUATION METHOD: • Auger Boring • X Pit • Cut TYPE OF WASTEWATER: X Sewage • Industrial Process • Mixed

APPLICATION DATE 7/8/09
DATE EVALUATED: 7-10-09
PROPERTY SIZE: ~0.76 Acre
PROPERTY RECORDED: Slide 640

Section III Lot 84

4 BR 2 BA

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	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	Linear 8%	0-3"	SCL GR	FRI SS SP SAP	2.5YR	48"			PS 3 gpd/ft2
		3-48	SC MSAB	FRI SP SAP					
2	Linear 8%	0-3"	SCL GR	FRI SS SP SAP	2.5YR	48"			PS 3 gpd/ft2
		3-48"	SC m SAB	FRI SP SAP					
3	Linear 8%	0-3	SL GR	FRI SS SP SAP	2.5YR	42"			0.3 gpd PS
		3-48	SC m SAB	FRI SP SAP					
4	Linear 5%	0-3	SL GR	FRI SS SP SAP	2.5YR	42"			0.3 gpd PS
		3-36	SC m GR	FRI SP SAP					
		36-42	SCL m SAB	FRI SP SAP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	YES	YES 40% - 60%
System Type(s)	25% Red Conv	50% Pump
Site LTAR	0.3 gpd/ft2	0.3 gpd/ft2

OTHER FACTORS (.1946): ___
SITE CLASSIFICATION (.1948): ES
EVALUATED BY: Fred Clemmer / David Hunter
OTHER(S) PRESENT: ___
7FT Elev (3FT PH)

COMMENTS: Pump Required 2.119 gpm/10hr 2.4 gpm @ 70H

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.

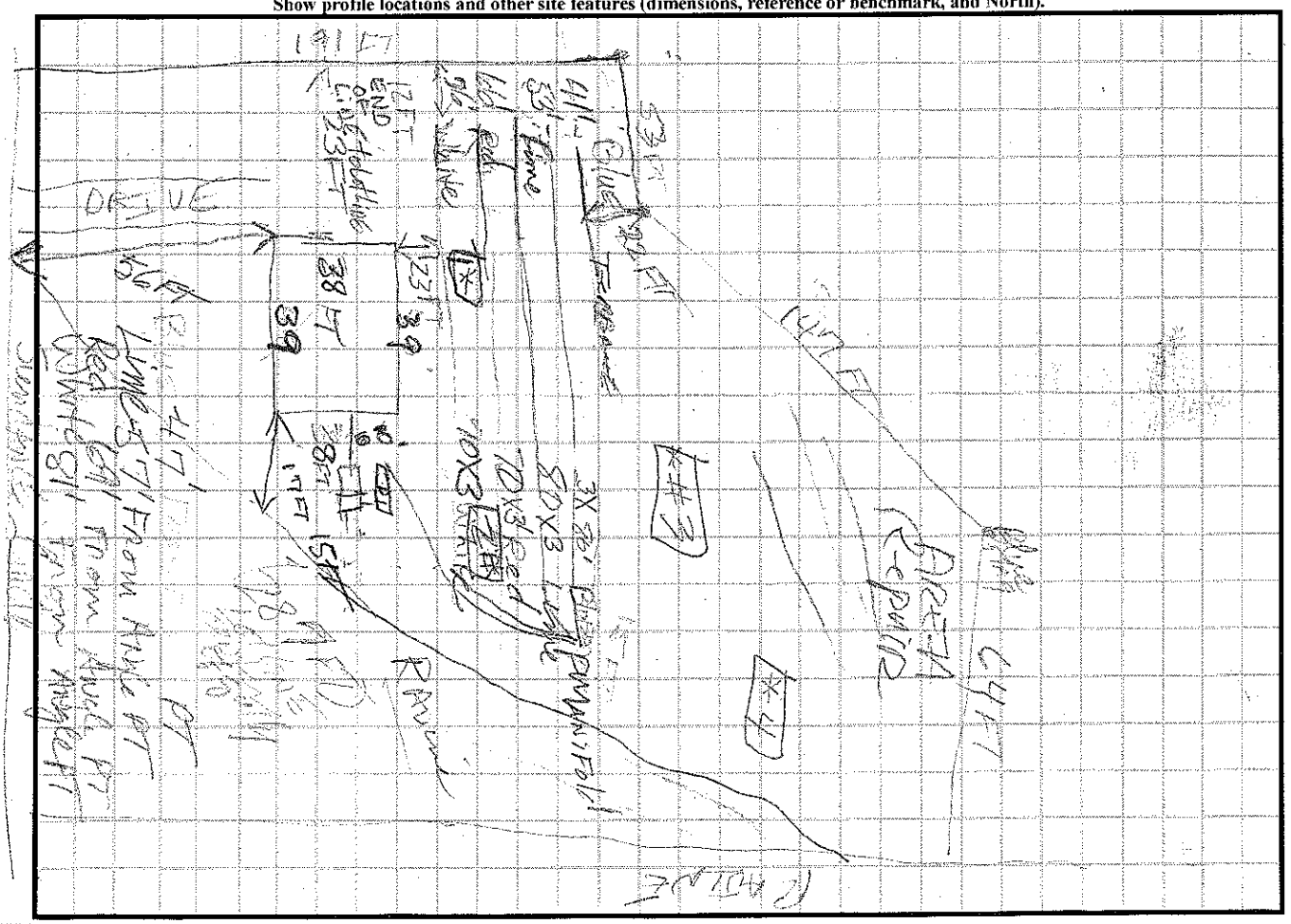
NOTES

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 (#####)