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

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

PIN# 4712-52-7894

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Doug Mouw Telephone # 704-682-1179 (HR Hours 4 adults - 4 bdrms)

OWNER: Doug Mouw APPLICATION DATE: 11-04-09
ADDRESS: 1268 Elfolk Road SW, NC 28677 DATE EVALUATED: 11-17-09
PROPOSED FACILITY: ~~Existing Home~~ PROPOSED DESIGN FLOW (.1949): 480 gpd PROPERTY SIZE: 5.01 acres
LOCATION OF SITE: Catawba Shoals Rd SW R Elfolk Rd PROPERTY RECORDED: ___
WATER SUPPLY: ☒ Private ☐ Public ☐ Well ☐ Spring ☐ Other Wayne on Rd #1268
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

Repair to existing system at 1268

Montaigne S/D Lot 2 House formerly owned by Hoyle & Billy Sherrill

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	2-6% Linear	0-3"	SL Gr Fri	SS SP NEXP	2.5YR C/CL	48"	—	—	0.3 gpd/ft²
		3-10"	SCL SAB FRI	SS SP SOXP					
		10-28"	C SAB FI	S SP SOXP					
		28-48"	SCL SAB FRI	SS SP SOXP					
2	2-6% Linear	0-4"	SL GR Com VFRI	SS SP NOXP	2.5YR C/CL	48"	—	—	0.3 gpd/ft²
		4"-8"	SCL SAB FR	SS SP SOXP					
		8-30"	C SAB FI	S SP SOXP					
		30-48"	SCL SAB FRI	SS SP SOXP					
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	48 Existing	48
System Type(s)	Conv. Gravity	25% Red. Conv. Gravity
Site LTAR	0.3 gpd/ft²	0.3 gpd/ft²

OTHER FACTORS (.1946): ___
SITE CLASSIFICATION (.1948): ___
EVALUATED BY: Jack Shannon
OTHER(S) PRESENT: Steve Kelly

COMMENTS: Cont. under Lower Horiz. Improvement 11-20-09 Note: Tank (Repair Area) check Tank for ✓ & set new "D" box, Replace cracked Lid

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.**

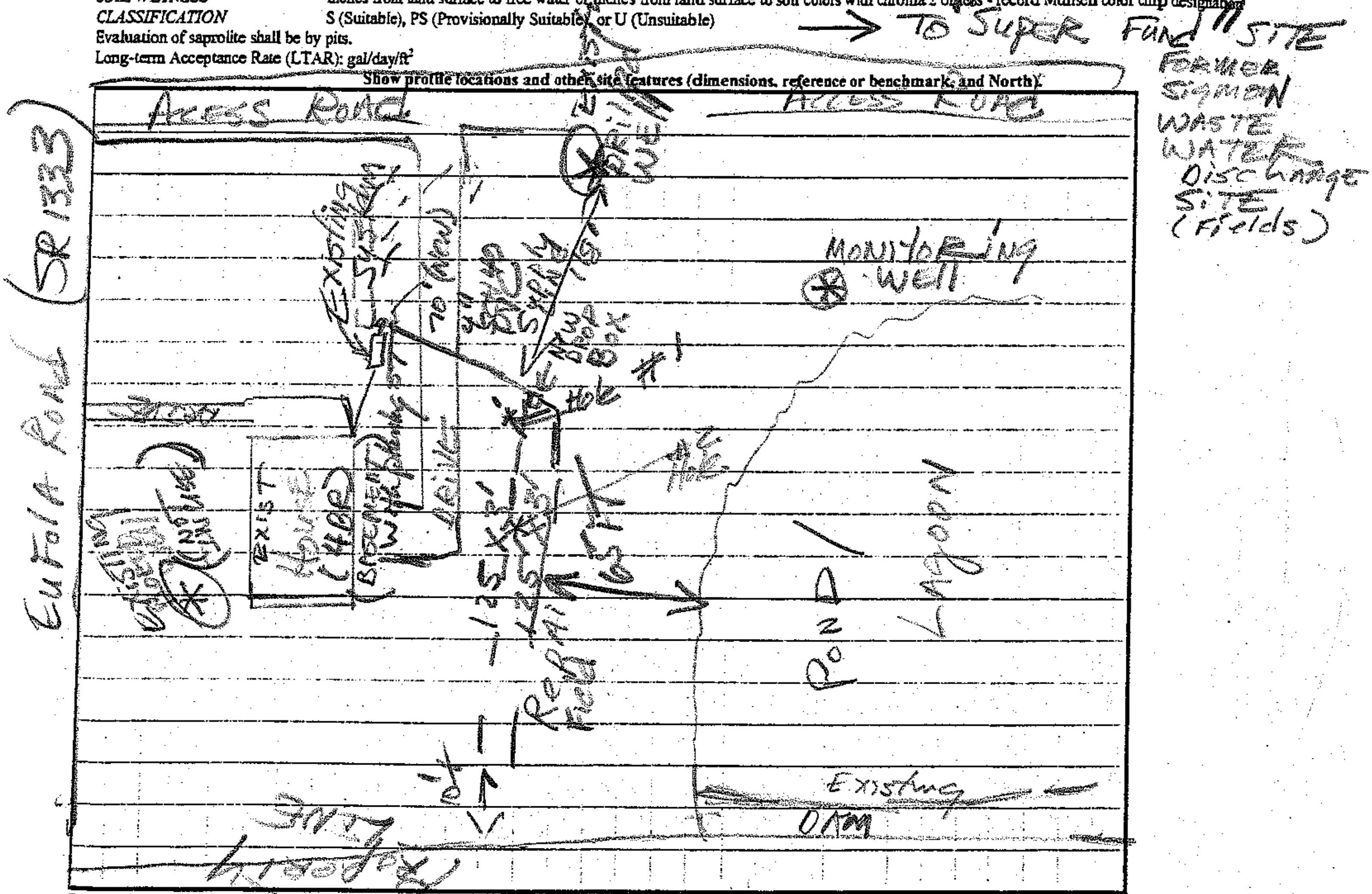
NOTES

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 (#####)