

DENR/DEH

ON-SITE WASTEWATER SECTION

155743/4779-82-8555

Sheet \_\_\_ of \_\_\_  
PROPERTY ID #: \_\_\_\_\_  
COUNTY: \_\_\_\_\_

### SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

2 of 5

OWNER: Fred Campbell APPLICATION DATE: 4-13-09  
 ADDRESS: 9411 Luke Line Manassas VA DATE EVALUATED: 4-23-09  
 PROPOSED FACILITY: House PROPOSED DESIGN FLOW (.1949): 600 PROPERTY SIZE: 6.7 AC  
 LOCATION OF SITE: 26 W Campbell Rd Leesville PROPERTY RECORDED: \_\_\_\_\_  
 WATER SUPPLY: • Private • Public • Well • Spring • Other \_\_\_\_\_  
 EVALUATION METHOD: • Auger Boring • Pit • Cut TYPE OF WASTEWATER: • Sewage • Industrial Process • Mixed

P R O F I L E #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
1	90° L	0-9	SCW3L	SSSPSEP	mica inclusions				25
		9-48	CW3L	SSSPSEP					
2	80° L	0-9	SCW3L	SSSPSEP	Saprolite inclusions				/
		9-31	Rock						
3	80° L	0-8	SCW3L	SSSPSEP	mica inclusions				25
		8-39	CW3L	SSSPSEP					
		39-48	CW3L	SSSPSEP					
4	80° L	0-11	SCW3L	SSSPSEP	mica inclusions				25
		11-48	CW3L	SSSPSEP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	OTHER FACTORS (.1946):
Available Space (.1945)	2400	2400/600	SITE CLASSIFICATION (.1948): <u>P5</u>
System Type(s)	25206	25206	EVALUATED BY: <u>Ray Cook</u>
Site LTAR	25	25	OTHER(S) PRESENT: _____

COMMENTS:

# 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)
D (Drainage Way)	II	SL (Sandy Loam)	0.8 - 0.6	0.4 - 0.3	EXP (Expansive)	CR (Crumb)
DS (Debris Slump)		L (Loam)				GR (Granular)
FP (Flood Plain)	III	Si (Silt)	0.6 - 0.3	0.3 - 0.15		SBK (Subangular Blocky)
FS (Foot Slope)		SiCL (Silty Clay Loam)				ABK (Angular Blocky)
H (Head Slope)		CL (Clay Loam)				PL (Platy)
L (Linear Slope)		SCL (Sandy Clay Loam)				PR (Prismatic)
N (Nose Slope)		SiL (Silt Loam)				
R (Ridge)	IV	SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05		
S (Shoulder Slope)		SiC (Silty Clay)				
T (Terrace)		C (Clay)				
		O (Organic)				

**MOIST**

- VFR (Very Friable)
- FR (Friable)
- FI (Firm)
- VFI (Very Firm v. Very Sticky)
- EFI (Extremely Firm)

**WET**

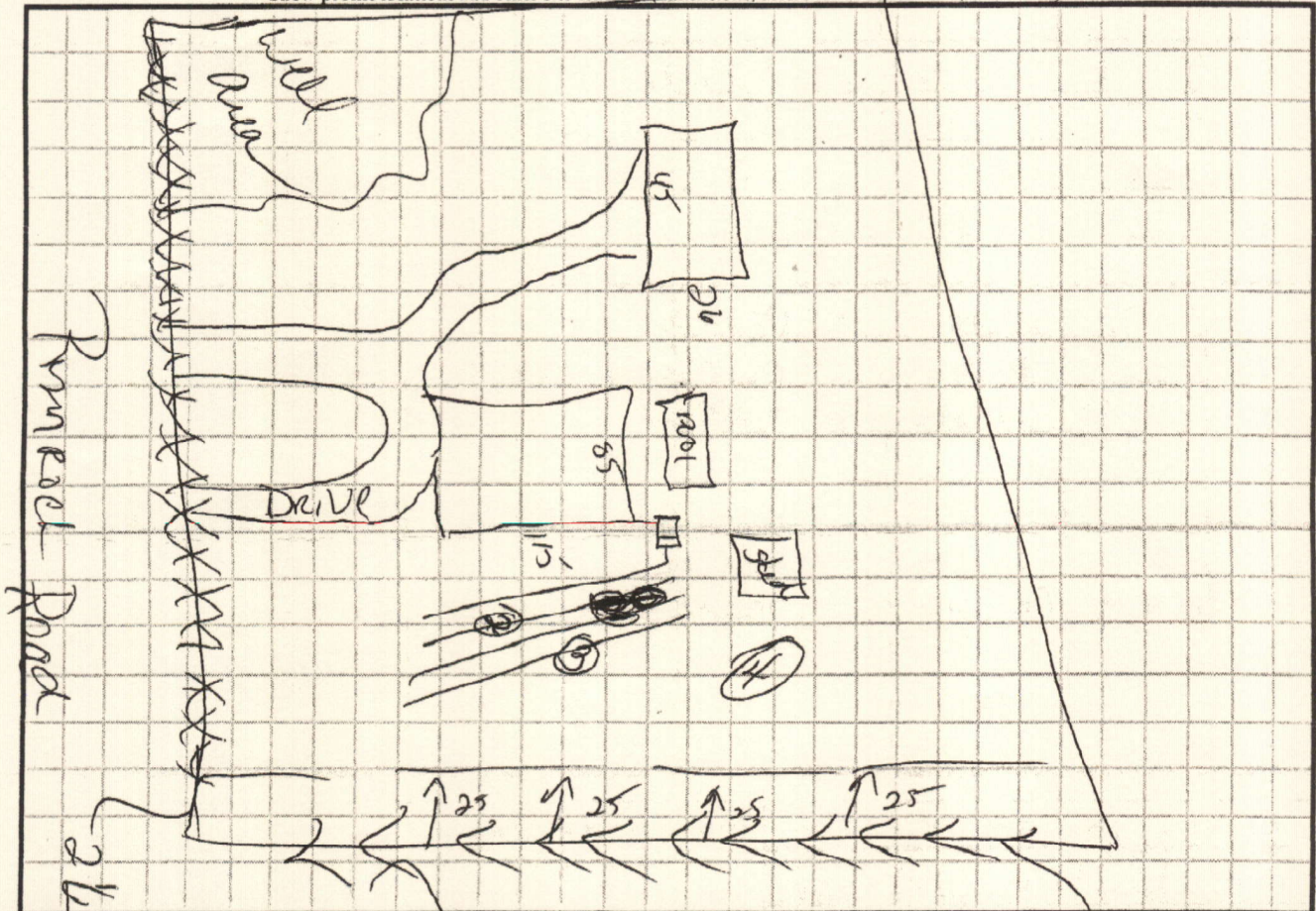
- NS (Non-sticky)
- SS (Slightly Sticky)
- S (Sticky)
- VS (Very Sticky)
- NP (Non-plastic)
- SP (Slightly Plastic)
- P (Plastic)
- VP (Very Plastic)

\*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 saporlite shall be by pits.  
 Long-term Acceptance Rate (LTAR): gal/day/ft<sup>2</sup>

Show profile locations and other site features (dimensions, reference or benchmark, and North).



DENR (#####)  
 Review (#####)

Draw  
 why