DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 1
PROPERTY ID #: 4710886018
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

applic # 206747

OWNER: Eric Dyar
APPLICATION DATE: 11/3/14
ADDRESS: 133 Spring Shore Dr Statesville NC
DATE EVALUATED: 12/3/14
PROPOSED FACILITY: SFD
PROPOSED DESIGN FLOW (.1949): 360 gpd
PROPERTY SIZE: .4ac.
LOCATION OF SITE: 123 Spring Shore Dr Spring Shore S/D lot 5
PROPERTY RECORDED: Feb 1, 1971
WATER SUPPLY: • Private • Public • (Well) • Spring • Other community well
EVALUATION METHOD: • (Auger Boring) • Pit • Cut
TYPE OF WASTEWATER: • (Sewage) • Industrial Process • Mixed

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	side 7%	0-8	CL SB	fr SE		41"	41" >36" u		.25
		8-16	C SB	fr SE					
		16-30	C+SAP SB	fr SE					
		30-41	C+SAP AB	fi SE					
		41"	SAP m	fi acid					
2	side (altered) 7%	0-20	C+SAP +Cl none	fr SE		36"			u 20" fill/ 36" SAP
		20-36	C+SAP SB/AB	fr SE					
		36+	SAP m(cl)	Fr acid					
3	side 11-12%	0-6	CL SB	fr SE		>48"			.25
		6-15	C SB	fr SE					
		15-24	C+SAP SB	fr-fi SE					
		24-48	C+SAP AB	vfi SE					
4,5	side 11-12% holes 4 and 5 very similar	0-6	CL SB	fr SE		>48"			.25
		6-15	C SB	fr SE					
		15-24	C+SAP SB	fr/fi SE					
		24-48	C+SAP AB	vfi SE					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	S	100% not required
System Type(s)	IIa gravity 25%	?
Site LTAR	.25	.25

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Farris / Justin Henderson
OTHER(S) PRESENT: Eric Dyar

COMMENTS: fill and spoil pile on back left rear quarter of lot at time of evaluation

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.

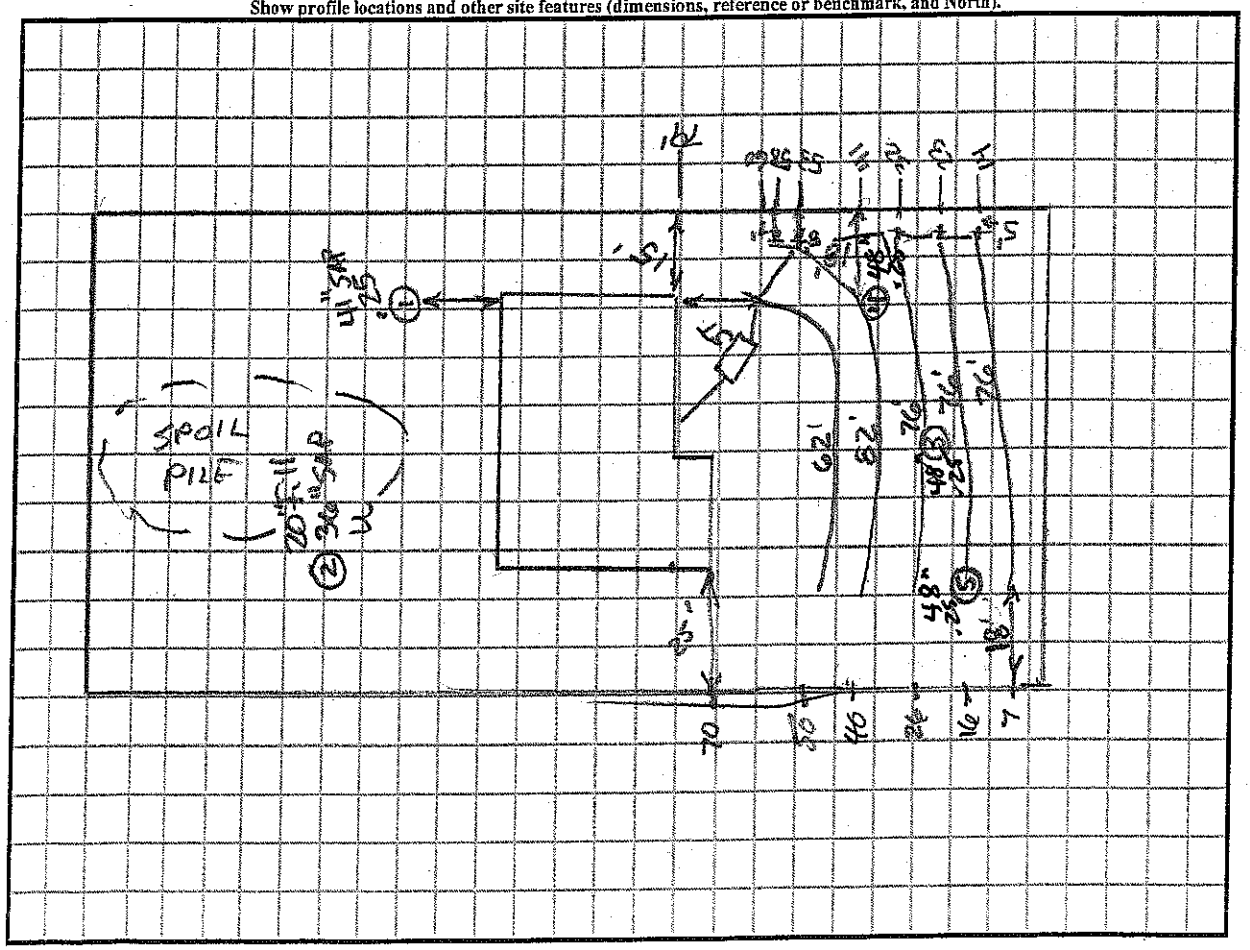
NOTES

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 (#####)

L1 B 62
L2 O 82
L3 W 76
L4 B 76
L5 W 76