DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 2
PROPERTY ID #: 4716153032
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Johnny Morrison
ADDRESS: 122 Fortunes Trail
APPLICATION DATE 7-16-14
PROPOSED FACILITY: SFD
PROPOSED DESIGN FLOW (.1949): 360 gpd
DATE EVALUATED: 7-26-14
LOCATION OF SITE: 125 Fortunes Trail
PROPERTY SIZE: 0.92 acres
WATER SUPPLY: • Private (Public) • Well • Spring • Other N/A
PROPERTY RECORDED: Yes
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	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	11% L	0-10	BSCL SBK	Fr Mod SE	26" 2.5Y 7.1 8.1	+36"	+36"	26"	PS 0.2
		10-26	C A3C	Fr Mod SE					
		26-36	CL ABC/P	Fr Mod					
2	11% L	0-14	BSCL SBK	Fr Mod SE	+48" 2.5Y 6.6 36-48"	+48"	+48"	+48"	PS 0.25
		14-30	C ABC	Fr Mod SE					
		30-48	CL 4/6 mottles MABC	Fr Mod SE					
3	11% L	0-8	BSCL SBK	Fr Mod SE	+44"	+44"	+44"	44"	PS 0.25
		8-34	C ABC	Fr Mod SE					
		34-44	CL mica MABC	Fr Mod SE					
4	12% L	0-11	BSCL SBC	Fr Mod SE	32" 2.5 8.2	+48"	+48"	28" Platy	PS 0.25
		11-34	C ABC	Fr Mod SE					
		34-48	CL 4/6 mottles MABC						
		28" Platy							

Water coming in @ 36" Needs French Drain

H2O coming in @ 34"

Water coming in @ 28"

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
vailable Space (.1945)	PS	PS
stem Type(s)	III	V
e LTAR	0.2	0.1

OTHER FACTORS (.1946): N/A
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Jack Henderson
OTHER(S) PRESENT: N/A

IMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet-Complete all field in full)

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH
ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

PROPERTY ID #: 471615332
DATE OF EVALUATION: 8-26-14
COUNTY: Iredell

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
5	10% L	0-5	BSCL SBK	Fr Mod SE	17" 2,5Y 8/2 8/1	+28"	+28"	15" Platy	PS 0.1 Pro TS II
		5-15	C ABK	Fi Mod SE					
		15-28	C PI	Fi Mod US					
6	9% L (Ridge)	0-8	BSCL SBK	Fr Mod SE	2,5Y 6/2 24-43 2,5Y 7/1 @ 43"	+43"	+43"	43"	PS 0.25
		8-30	C Y/B mottles ABK	Fi S/SP Mod SE					
		30-43	CL YO Mottles WABK	Fr Mod SE					

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)	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)			MOIST	WET
R (Ridge)		SCL (Sandy Clay Loam)				
S (Shoulder Slope)		SiL (Silt Loam)			VFR (Very Friable)	NS (Non-sticky)
T (Terrace)					FR (Friable)	SS (Slightly Sticky)
	IV	SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05	FI (Firm)	S (Sticky)
		SiC (Silty Clay)			VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
		C (Clay)			EFI (Extremely Firm)	NP (Non-plastic)
		O (Organic)	None	None		SP (Slightly Plastic)
						P (Plastic)
						VP (Very Plastic)

*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

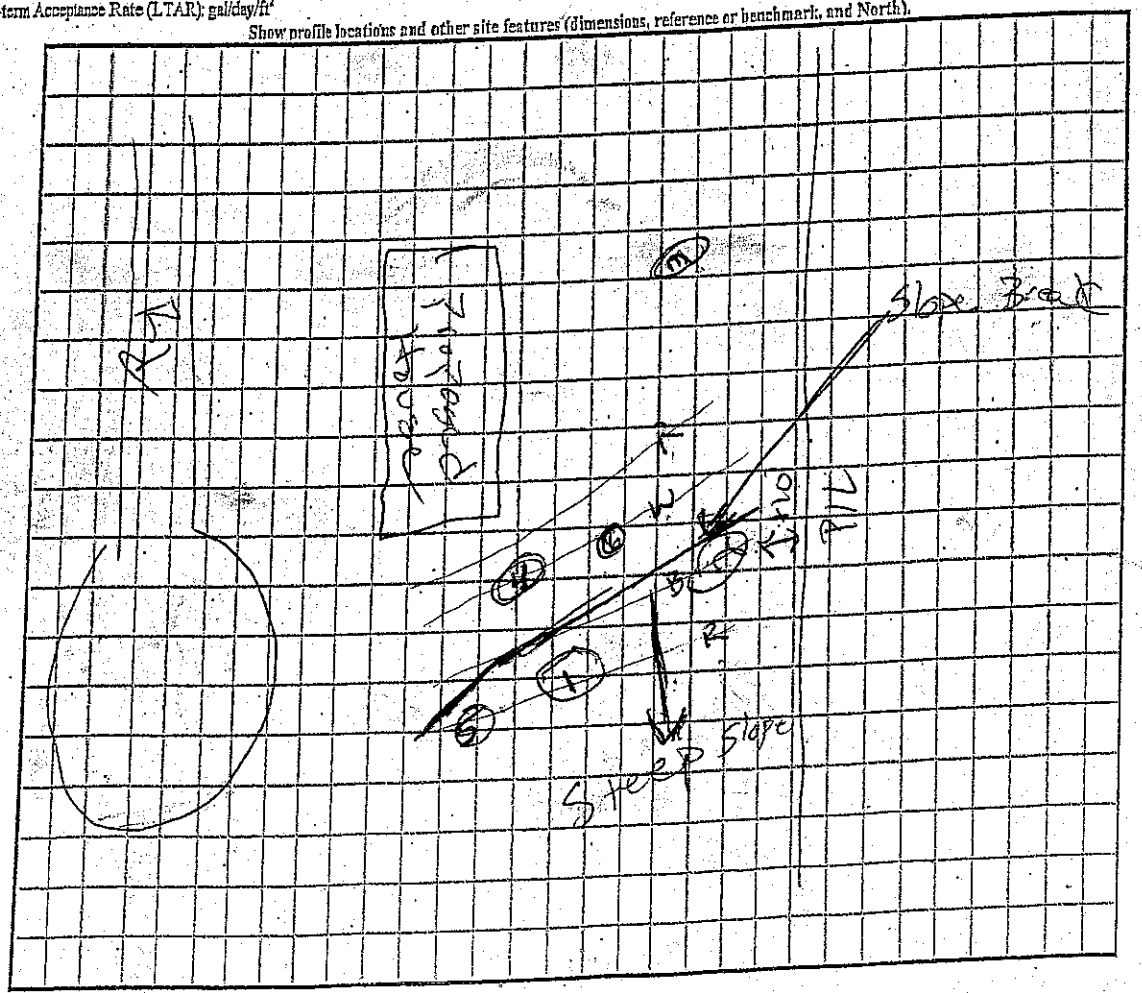
NOTES

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)

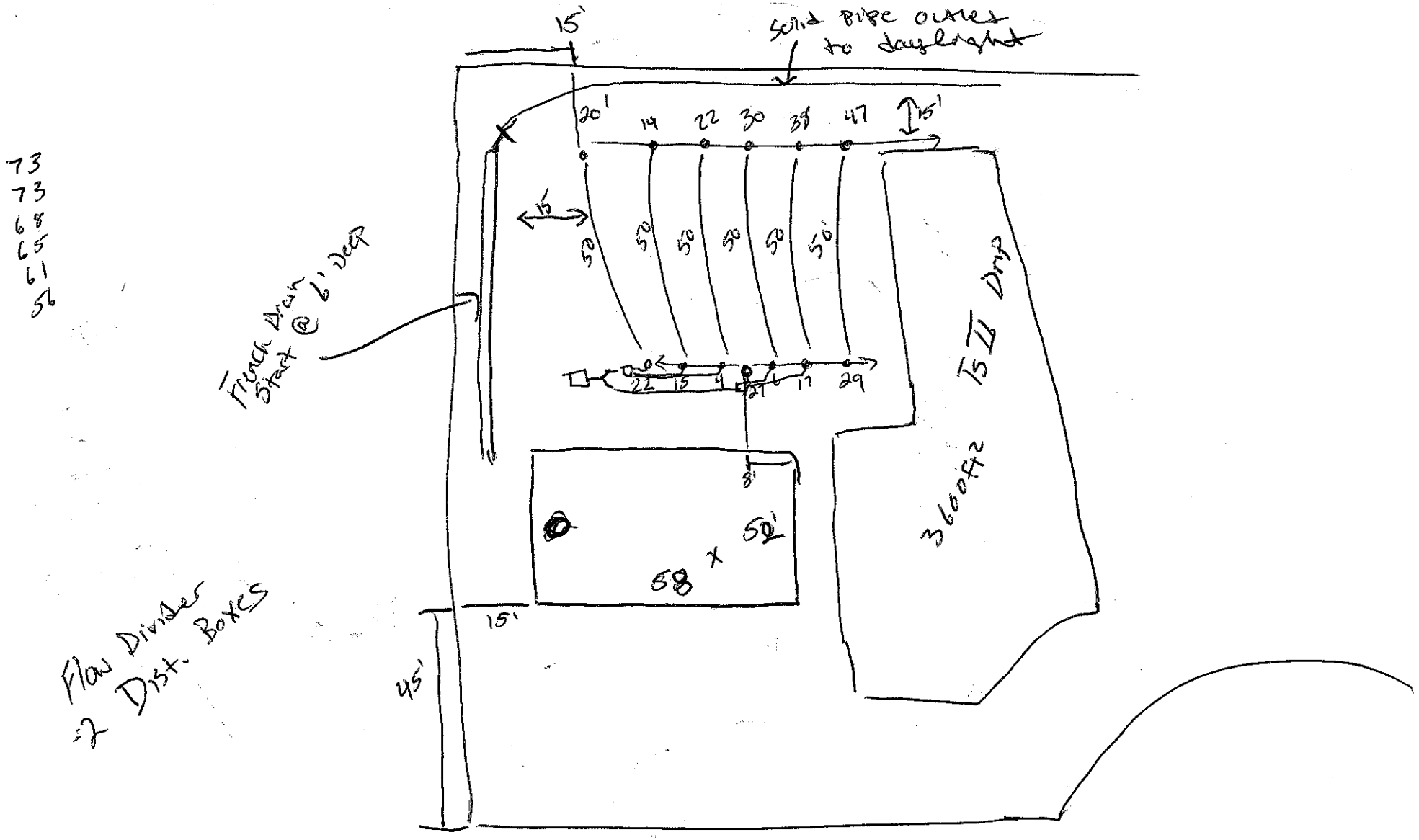
Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft²

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



ENR (######)
sview (######)



73
73
68
65
61
56