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

Sheet 1 of 1
PROPERTY ID #: 4852624554
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM
(Complete all fields in full)

OWNER: Ralph Carter
ADDRESS: 537 Lake Mullis Rd
PROPOSED FACILITY: SFD
PROPOSED DESIGN FLOW (.1949): 360gpd
LOCATION OF SITE: 539 Lake Mullis Rd.
WATER SUPPLY: ☐ Private ☑ Public ☐ Well ☐ Spring ☐ Other N/A
EVALUATION METHOD: ☐ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☑ Sewage ☐ Industrial Process ☐ Mixed

APPLICATION DATE 11-30-15
DATE EVALUATED: 12-11-15
PROPERTY SIZE: 1.026 acres
PROPERTY RECORDED: YES

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	8% L	0-5	CL SBK	Fr Mod SE	+48"	37"	37"	37"	PS 0.25
		5-24	C ABK	Fi Mod SE					
		24-37	BC SAP Incl WABK	Fr Mod SE					
		37"-48"	SAP M						
2	5% L	0-6	CL SBK	Fr Mod SE	+48"	41"	41"	41"	PS 0.25
		6-22	C ABK	Fi Mod SE					
		22-41	BC SAP Incl WABK	Fr Mod SE					
		41-48	SAP M						
3	5% L	0-4	CL SBK	Fr Mod SE	+48"	42"	42"	42"	PS 0.25
		4-20	C ABK	Fr Mod SE					
		20-42	BC SAP Incl WABK	Fr Mod SE					
		42-48	SAP M						
4	4% L	0-8	CL SBK	Fr Mod SE	+24"	21"	21"	21"	PS 0.1 DRIP
		8-21	C ABK	Fr Mod SE					
		21-24	Rock+BC	VFi					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		
System Type(s)		
Site LTAR		

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948):
EVALUATED BY:
OTHER(S) PRESENT:

COMMENTS:

LEGEND

use the following standard abbreviations

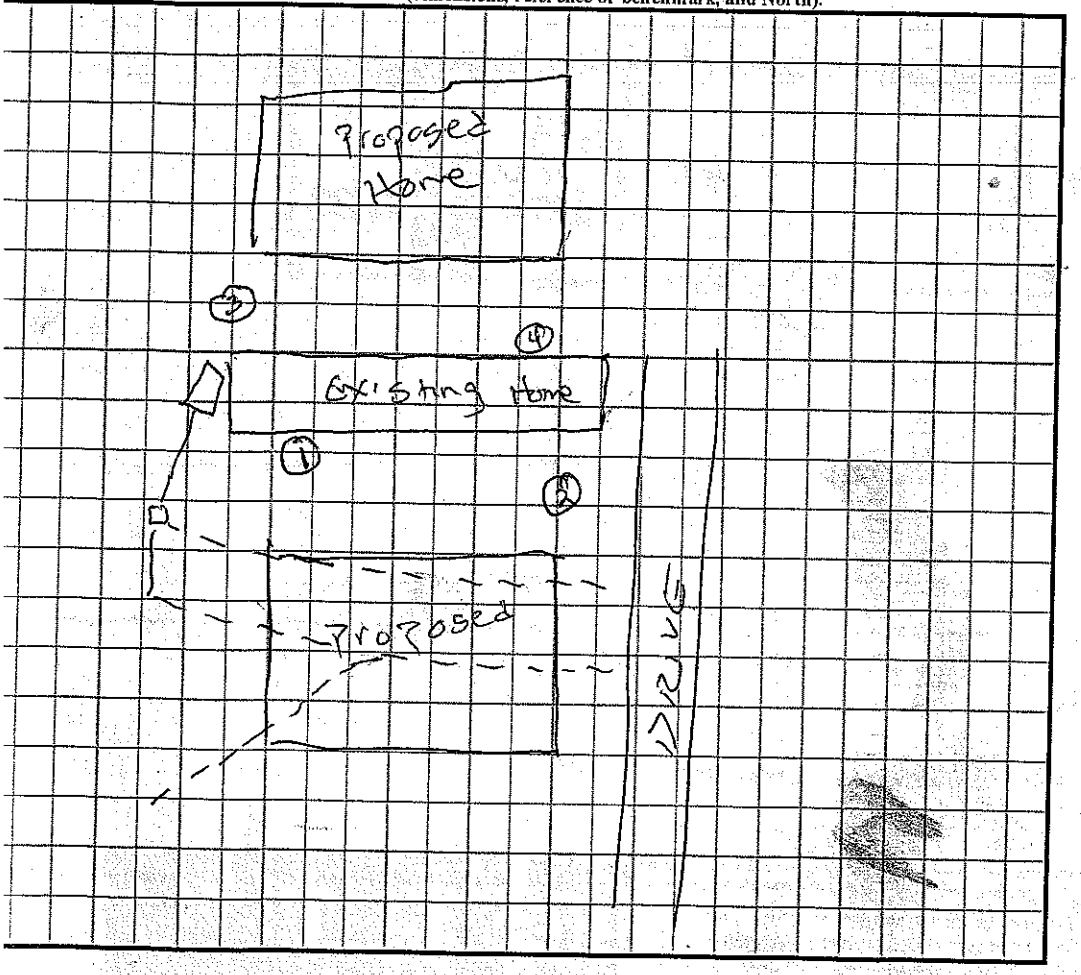
OUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
	S (Sand) LS (Loamy Sand)	1.2 - 0.8	0.6 - 0.4	SEXP (Slightly Expansive) EXP (Expansive)	G (Single Grain) M (Massive) CR (Crumb) GR (Granular) SBK (Subangular Blocky) ABK (Angular Blocky) PL (Platy) PR (Prismatic)
I	SL (Sandy Loam) L (Loam)	0.8 - 0.6	0.4 - 0.3		
I	Si (Silt) SiCL (Silty Clay Loam) CL (Clay Loam) SCL (Sandy Clay Loam) SiL (Silt Loam)	0.6 - 0.3	0.3 - 0.15		
				MOIST	WET
V	SC (Sandy Clay) SiC (Silty Clay) C (Clay)	0.4 - 0.1	0.2 - 0.05	VFR (Very Friable) FR (Friable) FI (Firm) VFI (Very Firm v. Very Sticky)	NS (Non-sticky) SS (Slightly Sticky) S (Sticky) VS (Very Sticky)
	O (Organic)	None	None	EFI (Extremely Firm)	NP (Non-plastic) SP (Slightly Plastic) P (Plastic) VP (Very Plastic)

ue to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

:hes below natural soil surface
:hes from land surface
:ness and depth from land surface
:able) or U(unsuitable)
s from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation
itable), PS (Provisionally Suitable), or U (Unsuitable)

day/ft^2

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



15' x 80' Retail
Bldg
Retail
60'
150'
45°
45°