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

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

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Falls Cove Dev. APPLICATION DATE _____
ADDRESS: _____ DATE EVALUATED: _____
PROPOSED FACILITY: SFD PROPOSED DESIGN FLOW (.1949): 480 GPD PROPERTY SIZE: _____
LOCATION OF SITE: Lot # 65 | Parkwood SD OFF Mercer Farm Rd, PROPERTY RECORDED: _____
WATER SUPPLY: ☐ Private ☒ Public ☐ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☐ Auger Boring ☒ Pit ☐ Cut TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1948 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 (3)	L 8-12%	0-11	Mo, Gr, SL	VFr, SS, NP, Br					PS 0.30
		11-24	Mo/Wk, Sbk, C	Fr, SS, SP (Red)					
		24-55	Wk, Sbk, CL	Fr, SS, SP (Red)	C-sap				
2 (3)		0-12	Gr, SL	Fr, SS, SP (Brwn)					0.3
		12-49	Sbk, C	Fr, SS, SP (Red)	F-sap				
B		0-4	mo gr RB	SCl fr ss sp					.3
		4-19	mo f sbk	RC fr ss sp					
		19-33	Wk/mo f sbk	C/ fr ss sp	com sap				
		33-54	L sap	mass. fr ss sp					
(4)		0-9	wk sbk cl	fr ss sp	few rock				.25
		9-36	msbk cl	fr ss sp SEP	few bkn, few sap				
		36-52	wk sbk cl	fr ss sp	com sap				

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
vailable Space (.1945)		
stem Type(s)		
e LTAR		

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

MMENTS: _____

(5) 0-7 gr brn SL fr sss p
7-32 sbk red c fr sss p few inl sap, few-comm w. rock
32+ mostly hard rock

Keep shallow 20" max to here
.05

(6) 0-5 wk sbk red sd fr sss p
5-21 ms bk red c fr sss p sl p
21-38 wk sbk red cl fr sss p
38-52 wk sbk red cl fr sss p comm sap, few w. rock

.3

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

Sheet 1 of 2
PROPERTY ID #: 4730118418
COUNTY: Jackson

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

OWNER: Dan Fortune — APPLICATION DATE: 03/02/15
ADDRESS: 170 Silver Falls Dr — DATE EVALUATED: 03/03/15
PROPOSED FACILITY: SFD — PROPOSED DESIGN FLOW (.1949): 360 — PROPERTY SIZE: 1.237ac
LOCATION OF SITE: State Park to Morrison Farm to Silver Falls — PROPERTY RECORDED: Yes
WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☒ Other Community
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	L 12%	0-7	Gr SCL	fr SE	PS	PS	N/A	32+	PS .25
		7-32	SBK C	fi SE					
		32+	mass CM	fi N/A					
2	L 13%	0-6	Gr SCL	fr SE	PS	PS	N/A	N/A	PS .25
		6-30	SBK C	fi SE					
		30-44	WSBK FC	fi/v SE					
		44-48	Gr Sd(D)	Mass N/A					
3	L 15%	0-12	Gr SCL	fr SE	PS	PS	N/A	N/A	PS .3
		12-49	SBK C	fi SE					
4	L 10%	0-9	SBK CL	fr SE	PS	PS	N/A	N/A	PS .3
		9-36	SBK C	fi SE					
		36-48	WSBK BC	fi/v SE					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	III	III
Site LTAR	.25	.3

OTHER FACTORS (.1946): PS o.w
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: H. Snow
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	SEXP (Slightly Expansive)	G (Single Grain)
CV (Convex Slope)		LS (Loamy Sand)			EXP (Expansive)	M (Massive)
D (Drainage Way)						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.

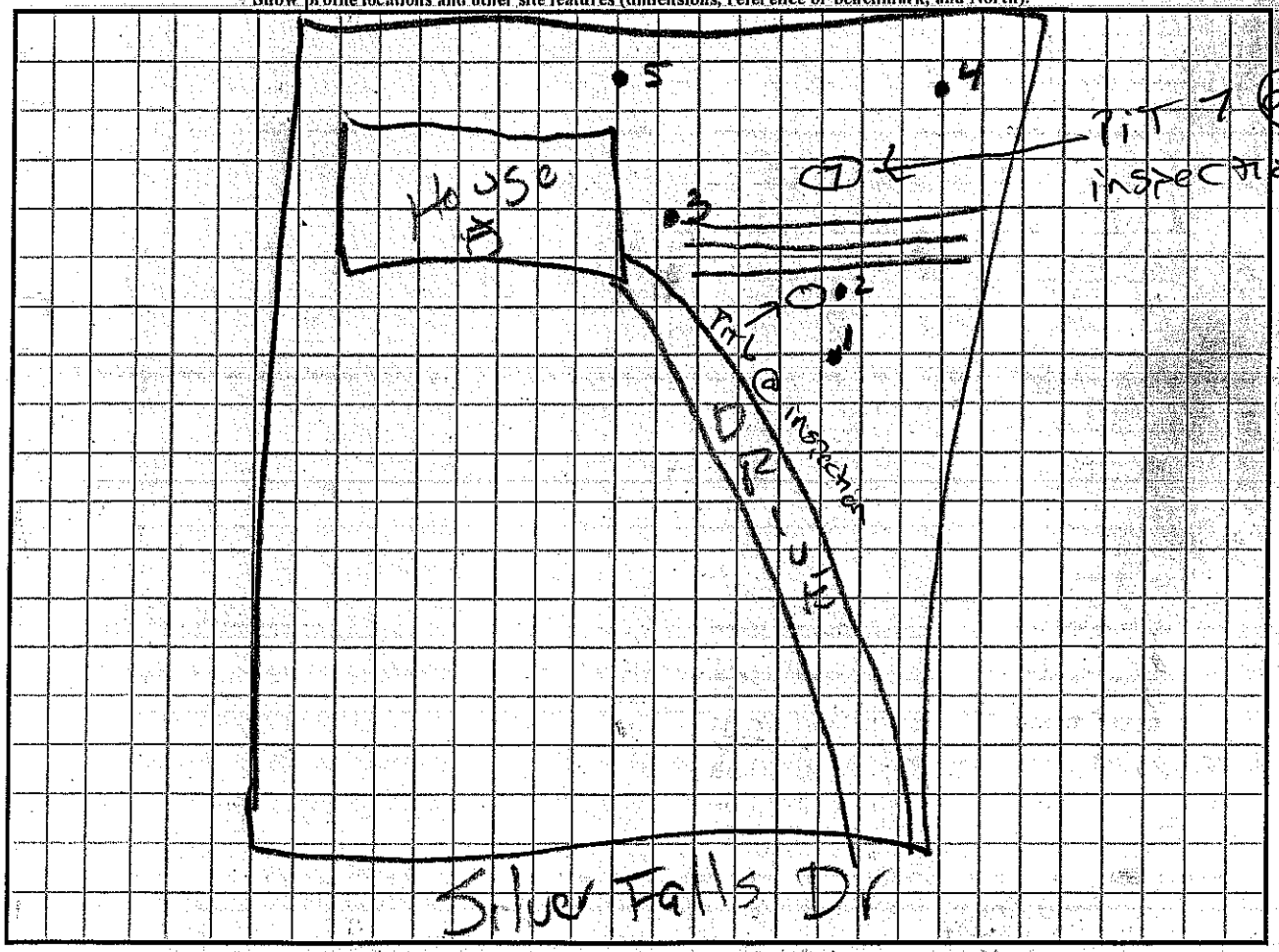
NOTES

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).



SOIL/SITE EVALUATION

Sheet 2 of 2

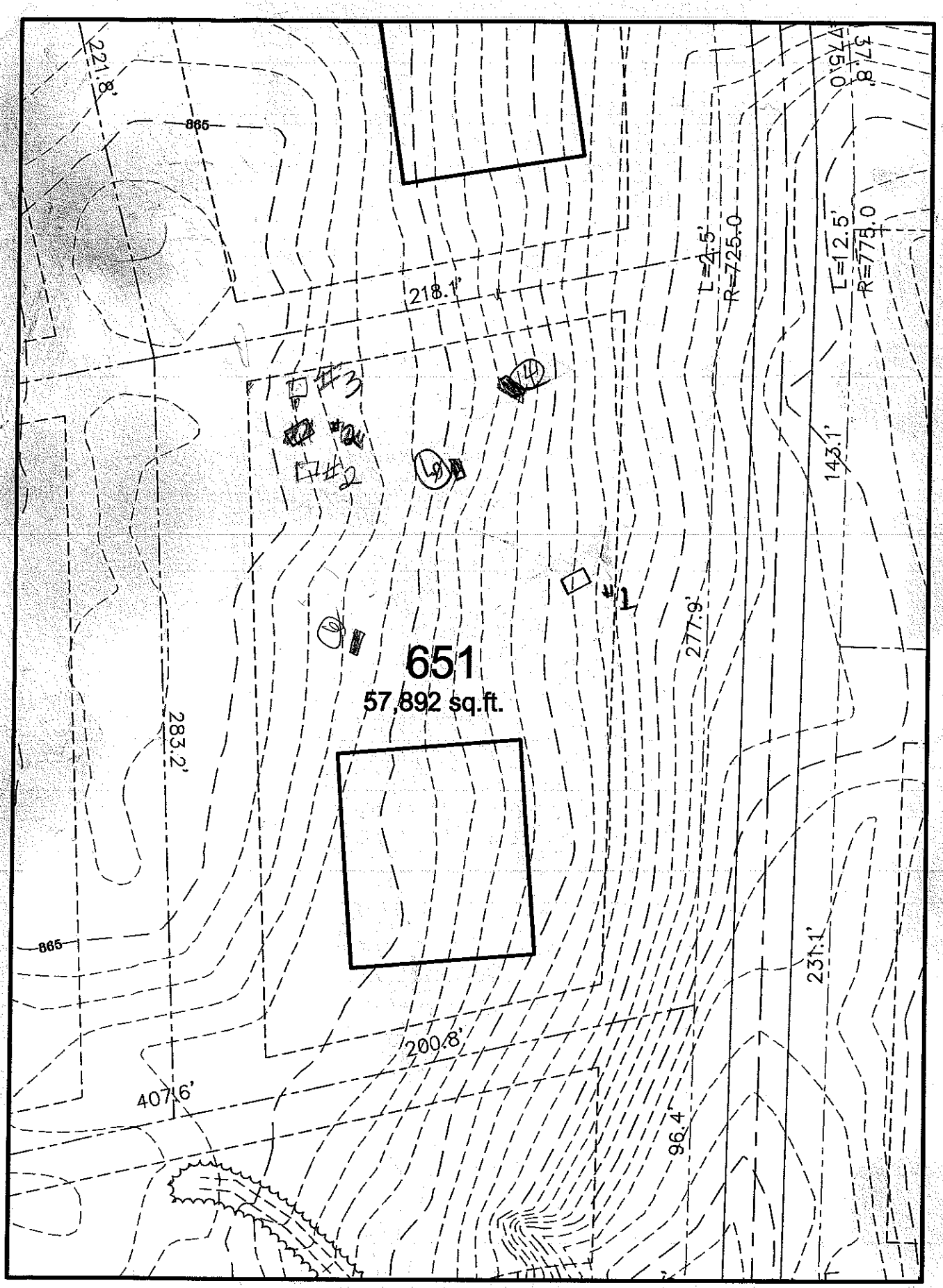
(Continuation Sheet-Complete all field in full)

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

PROPERTY ID #: 4730118418
DATE OF EVALUATION: 03/03/15
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	L 10%	0-4	Gr SCL	Fr SE	PS	PS	PS	N/A	PS .3
		4-19	SBK C	Fi SE					
		19-33	W5 BK CL	Fr SE					
		33-54	Mass Sap	Fr N/A					
PIT 6	L 7%	0-8	Gr SCL	Fr Mod SE	~~32~~ 32"	~~32~~ 36"	~~32~~ 36"	~~32~~ 36"	PS 0.3
		8-32	C SBK	Fi Mod SE					
		~~32-36~~	BC WSBK	Fi Mod SE					
		36	Rock						
PIT 7	L 10%	0-8	SL Gr	Fr Mod SE	~~70~~ 70"	45"	45"	~~70~~ 70"	PS 0.25
		8-32	C ABK	Fi Mod SE					
		32-45	BC WSBK	Fr Mod SE					
		45-70	SAP L M	Fr Mod SE					

COMMENTS:



GRAPHIC SCALE

50 25 0 50

SCALE: 1" = 50'