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

Sheet 1 of 2
PROPERTY ID #: 476540831
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Hayday Investments
ADDRESS: 161 West Dodson Mill Rd
PROPOSED FACILITY: SFD
PROPOSED DESIGN FLOW (.1949): 360gpd
LOCATION OF SITE: 129 Laster Ln
APPLICATION DATE 7-11-14
DATE EVALUATED: 10-2-14
PROPERTY SIZE: 1.52 acres
PROPERTY RECORDED: Yes
WATER SUPPLY: ☐ Private ☒ Public ☐ Well ☐ Spring ☐ Other N/A
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	2% HS	0-6	BSCL SBK	F Mod SE	27" 2.5Y 7/2	+56"	+50"	27" Platy	PS 0.2
		6-27	C mag deposits ABK	F Mod SE					
		27-50	C mag deposits ABK						
			Platy						
2	4% HS	0-9	BSCL SBK	F Mod SE	27" 2.5Y 7/1	+56"	+56"	Platy @ 22" 2.5Y 7/2 @ 27"	PS 0.2
		9-27	C Y/B mottles ABK	F Mod SE					
		27-38	C mottles ABK	F					
		38-56	BC CL WABK						
			Platy @ 22"						
3	8% HS	0-9	BSCL SBK	F Mod SE	25"	+50"	+50"	27" Platy	PS 0.15
		9-27	C SBK	F Mod SE					
		27-50	C PL						
4	6% HS	0-12	BSCL SBK	F Mod SE	32" 2.5 Y 8/1	+55	+55	32"	PS 0.2
		12-32	C mag deposits ABK	F Mod SE					
		32-55	C ABK	F Mod					
			↳ 2.5Y 8/1						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	II	II
Site LTAR	0.15	0.15

OTHER FACTORS (.1946): N/A
SITE CLASSIFICATION (.1948):
EVALUATED BY: Justin Henderson
OTHER(S) PRESENT: ~~Adrian~~ Adrian Pruitt
Alan McKinney

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)				
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)

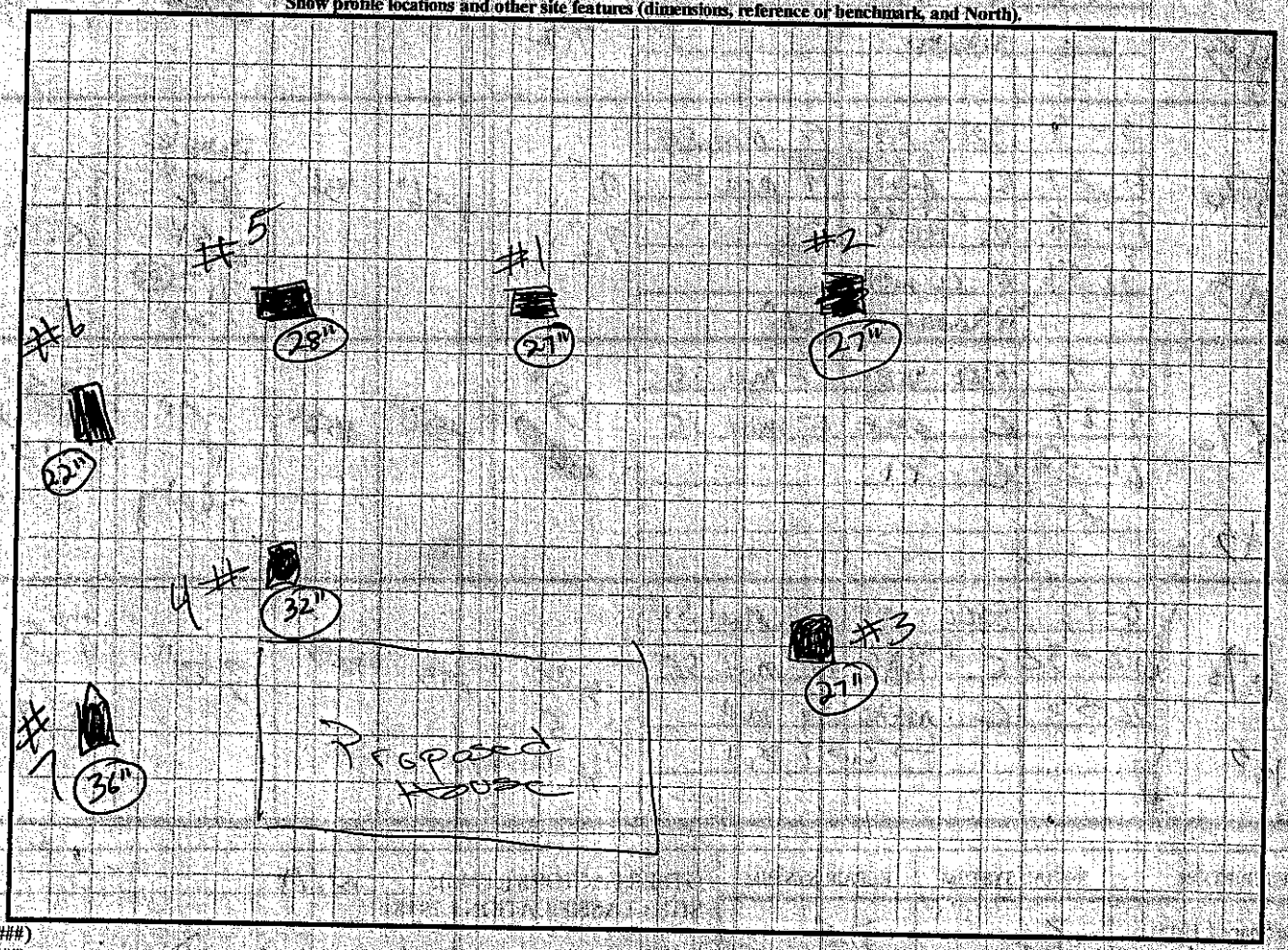
*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

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 (#####)

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
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ON-SITE WASTEWATER SECTION

Sheet 2 of 2
PROPERTY ID #: 4765401831
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Hayday Investments Inc
ADDRESS: 161 West Dodson Mill Rd.
PROPOSED FACILITY: SFD
PROPOSED DESIGN FLOW (.1949): 360gpd
LOCATION OF SITE: 129 Carter Ln.
APPLICATION DATE 7-11-14
DATE EVALUATED: 10-2-14
PROPERTY SIZE: 1.56 acres
PROPERTY RECORDED: Yes
WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☐ Other N/A
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
5	4% HS	0-10	SCL SBK	FI Mod SE	28" 2.5Y 8/1	+28	+28	28"	PS 0.2
		10-28	C ABK	FI					
		28-50	C mottles ABK	FI					
			2.5Y 8/1						
6	6% HS	0-10	SCL SBK	FI Mod SE	22" 2.5Y 8/1	+44	+44"	22	PS 0.075 Drip
		10-22	C ABK	FI Mod SE					
		22-44	C ABK	2.5Y 8/1					
10	8% HS	0-12	SCL SBK	FI Mod SE	36" 2.5Y 8/1	+60"	+60"	36"	PS 0.2
		12-36	C mottles ABK	FI Mod SE					
		36-60	C ABK	2.5Y 8/1					
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	II	V
Site LTAR	1.5	0.075

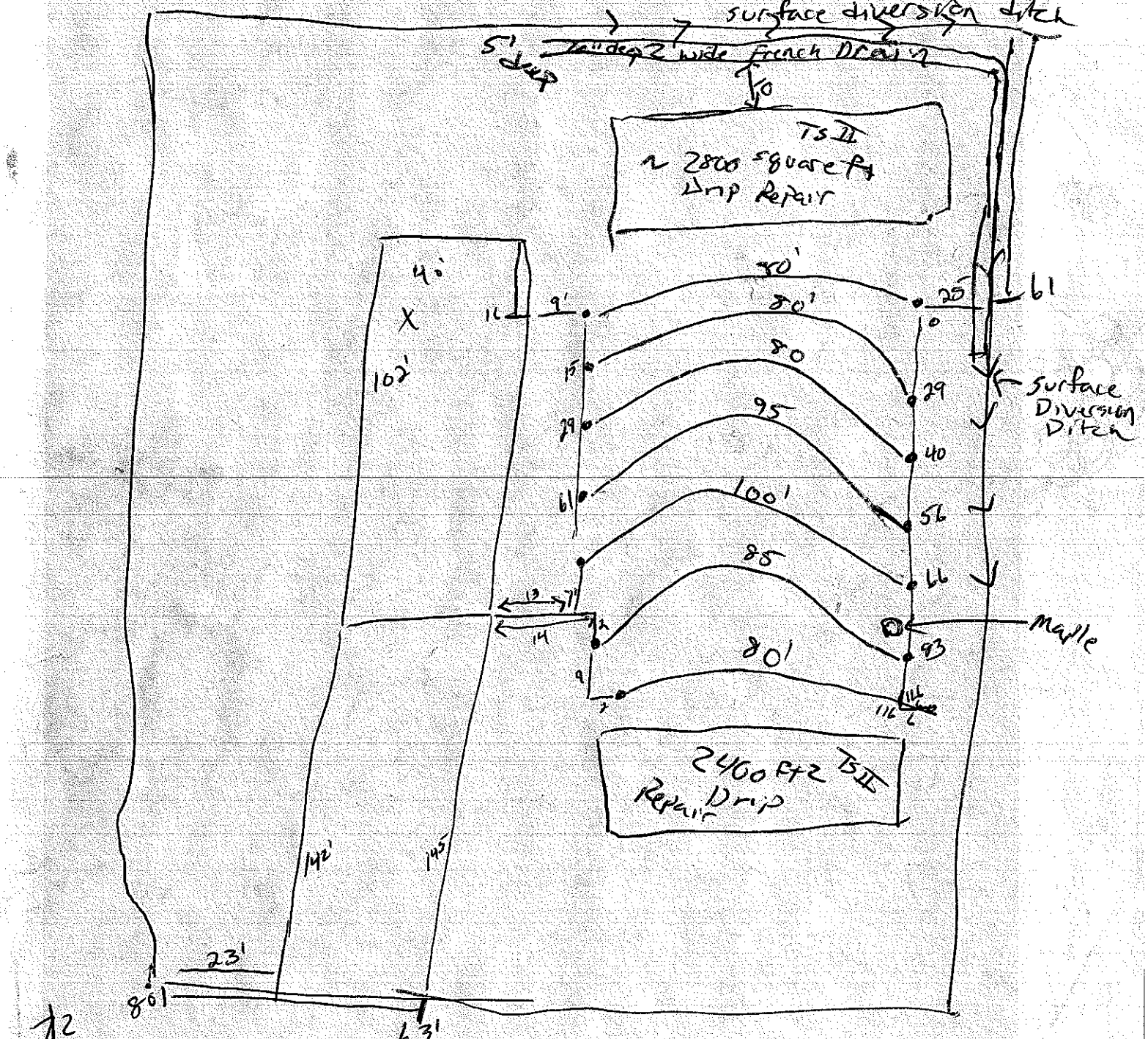
OTHER FACTORS (.1946): N/A
SITE CLASSIFICATION (.1948):
EVALUATED BY: Justin Henderson
OTHER(S) PRESENT: Adrian Scott, Adam McKinney

COMMENTS:

50' deep French drain ✓

2' wide w/ surface ✓

Diversion ditch



12	
12	80
12	80
8 8	95
9 2	100
7 6	85
12	80
	100'

- Bring in suitable soil cover
- Remove maple tree