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

Sheet 1 of 4
PROPERTY ID #: 2094
COUNTY: Iredell

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

OWNER: D & D Enterprises of Iredell LLC
APPLICATION DATE: 2/18/16
ADDRESS: PO Box 252 Statesville NC
DATE EVALUATED: 3/16/16
PROPOSED FACILITY: SFR
PROPOSED DESIGN FLOW (.1949): 360 GPD
PROPERTY SIZE: .611 Acre
LOCATION OF SITE: 134 Poplar Leaf Ln.
PROPERTY RECORDED: —

WATER SUPPLY: ☐ Private ☒ Public ☐ Well ☐ Spring ☐ Other —
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
A1	LS 10%	0-4	BSL, GR	VFR, SS, SP	/	40"	C-M SAP INCL. 27"-40"	/	.3
		4-30	RC, SBK	" " "					
		30-40	RCL, SBK/WSBK	" " "					
		40-48	Mass Sap	VFR, " "					
A2	SS 10%	0-8	FILL	—	/	27"	F-L SAP INCL. 26"-27"	28"	.3 8"-28" .1 DRIP
		8-27	RL, SBK	FR, SS, SP					
		28	AR	—					
A3	NS 10%	0-7	BCL, SBK	FR, SS, SP	/	38"	C-M SAP INCL. 27"-38"	39"	.3
		7-34	RC, SBK	" " "					
		34-38	RCL, WSBK	" " "					
		39	AR						
A4	SS 10%	0-8	BSL, GR	VFR, SS, SP	/	36"	C-M SAP INCL. 30"-36"	37"	.3
		8-32	RC, SBK	FR, SS, SP					
		32-36	RCL, WSBK	" " "					
		37	AR						

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

OTHER FACTORS (.1946): —
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: SL
OTHER(S) PRESENT: Colby Lewis; Caleb Garland

COMMENTS: —

LEGEND

use the following standard abbreviations

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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.

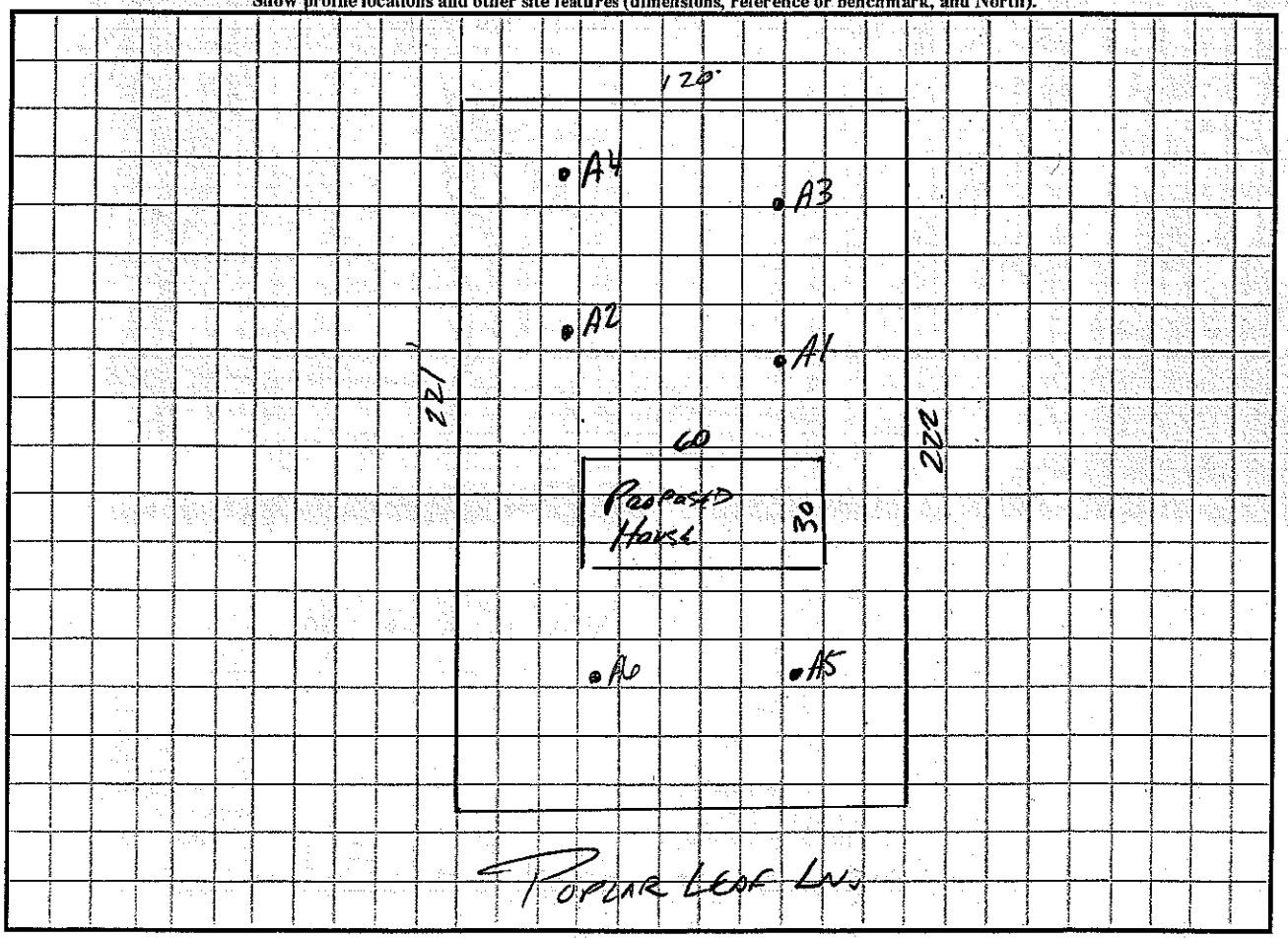
NOTES

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

(Continuation Sheet-Complete all field in full)

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PROPERTY ID #: 2094
DATE OF EVALUATION: 3/16/16
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	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
A5	LS 15%	0-8	BSL, GR	FR, SS, SP	Some Yellow Drain Mottles 12"-28"	48"	C-M SAP Incl. 34"-48"	/	.25
		8-32	TRL, SBK	" " "					
		32-48	TRCL, WSBK	" " "					
A6	LS 15%	0-6	Fill	—	Few Drain Mottles 12"-24"	48"	C-M SAP Incl. 28"-48"	/	.275
		6-10	BSL, GR	VFR, SS, SP					
		10-30	TRC, SBK/WSBK	FR, SS, SP					
		30-48	TRCL, WSBK	" " "					

COMMENTS:

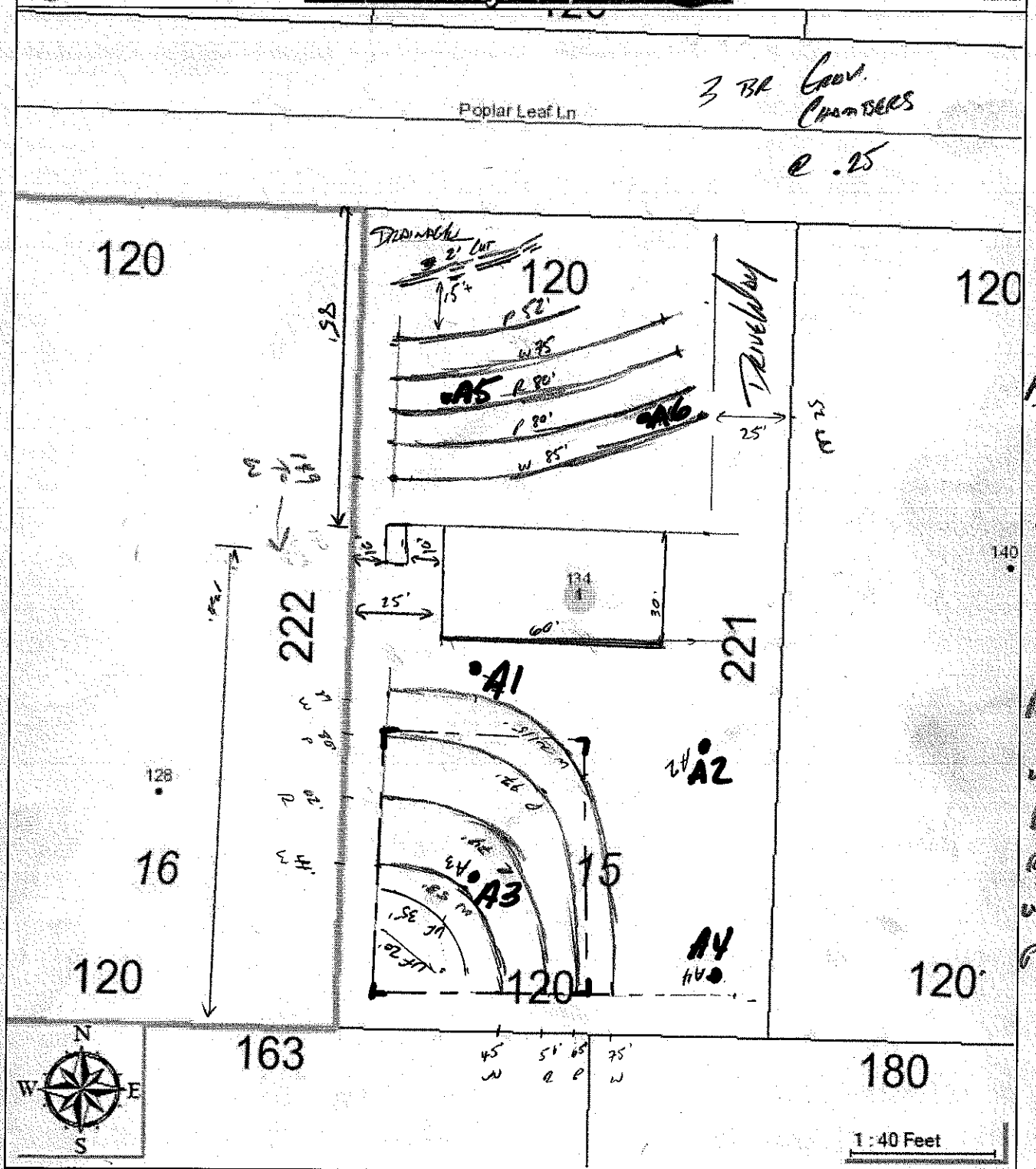
* Soil Notes *

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CONNECTGIS WEB HOSTING

North Carolina Iredell County

Iredell
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Remove fill Dirt From Septic Area