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

Sheet 1 of 2
PROPERTY ID #: 4731032636
COUNTY: Iredell

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

OWNER: America's Home Place — APPLICATION DATE: 8-6-15
ADDRESS: 1206 Greenland Dr. — DATE EVALUATED: 9-9-15
PROPOSED FACILITY: SFD — PROPOSED DESIGN FLOW (.1949): 480gpd — PROPERTY SIZE:
LOCATION OF SITE: 714 Talley Rd. — 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	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	10% NS	0-7	SCL SBK	Fr mod SE	+48"	33"	33"	/	Need Pits
		7-16	C ABK	Fi mod SE					
		16-33	BC SapInc WSBK	Fr mod SE					
		33-48	SAP						
2	7% NS	0-5	SCL SBK	Fr mod SE	+48"	+48"	+48"	+48"	PS 0.25
		5-17	C ABK	Fr mod SE					
		17-48	BC SapInc WSBK	Fr mod SE					
			Few Y/B mottles						
			17" = 20"						
3	8% NS	0-8	SCL G	Fr mod SE	+48"	+48"	+48"	+48"	Need Pits to verify structure
		8-25	C ABK	Fi mod SE					
		25-42	BC WABK	Fr mod SE					
		42-48	BC SapInc WSBK	Fr mod SE					
			Y/B mottles 25-36"						
PIT 4	10% NS	0-7	SCL SBK	Fr mod SE	+60"	+60"	+60"	7-18" US +60"	PS 0.25
		7-18	C PL	Fi mod					
		18-31	C ABK	Fi mod SE					
		31-60	BC WABK						
		Sap veins @ variable depth on pit wall							

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	III	V
Site LTAR	0.25	0.1 Drip

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

COMMENTS: Install TB @ 36" Initial System

SOIL/SITE EVALUATION

(Continuation Sheet)

PROPERTY ID #: 4731032636

DATE OF EVALUATION: 9-11-15

COUNTY: Iredell

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

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
PIT 5	8% NS	0-6	SCL	SBK Fr Mod SE	+62"	48"	48"	+62"	PS 0.25
		6-29	C	Few V1B Mottles ABK Fi Mod SE					
		29-48	BC	SAP Incl WABK Fr Mod SE					
		48-62	SL	SAP M Fr Mod SE					
PIT 6	8% NS	0-7	SCL	SBK Fr Mod SE	+48"	+48"	+48"	30"	PS 0.25
		7-30	C	ABK Fi Strong SE					
		30-36	C	V1B Mottles PL Fi					
		36-48	BC	WABK Fr Mod SE					
		48"	Rock						
PIT 7	10% NS	0-7	SCL	SBK Fr Mod SE	+60"	21"	21"	21"	PS 0.1 DRIP
		7-21	C	& ABK Fi Strong SE					
		21-48	Rock Controlled	SAP VFi					
		48-60	SL	SAP M 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	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.

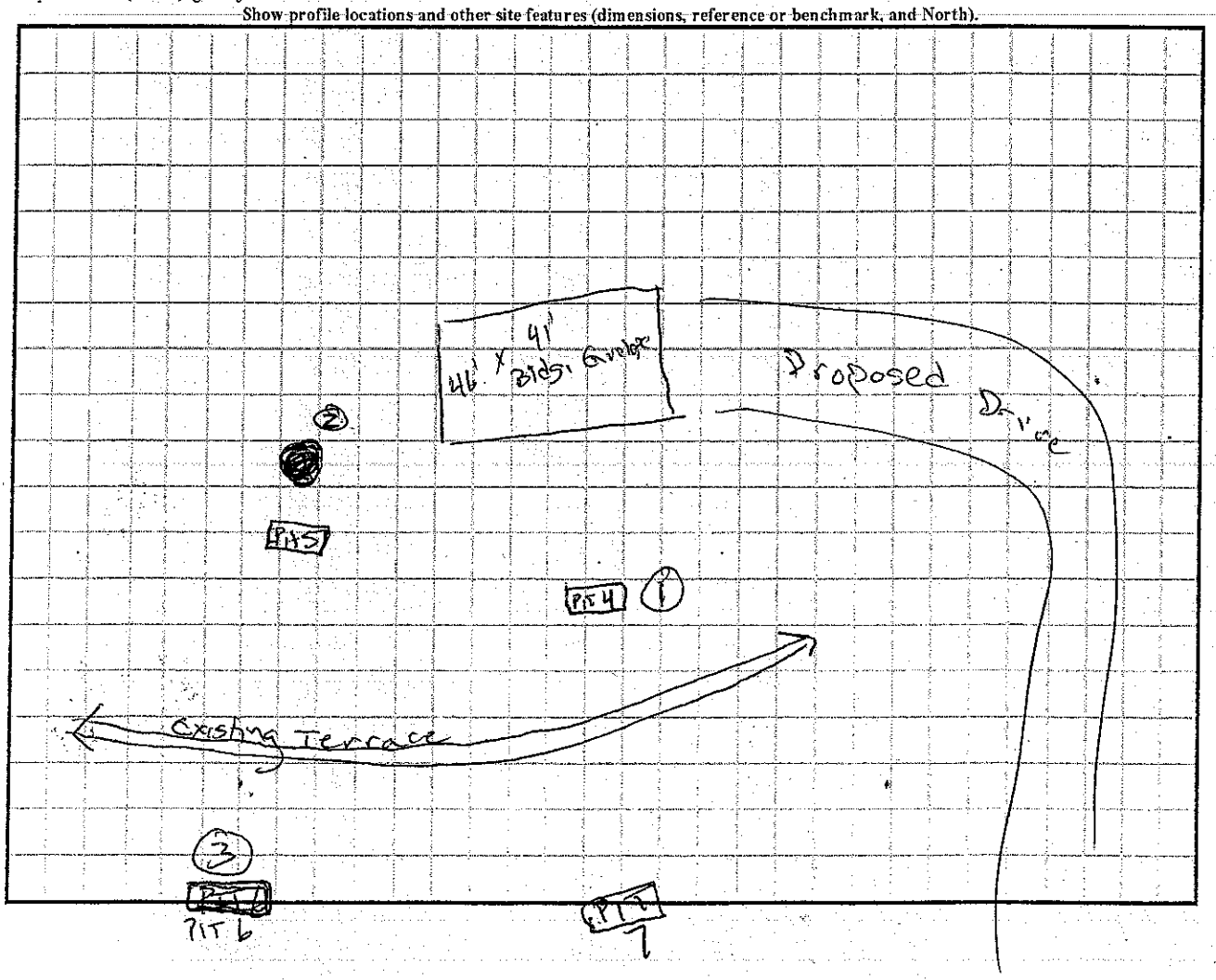
NOTES

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)

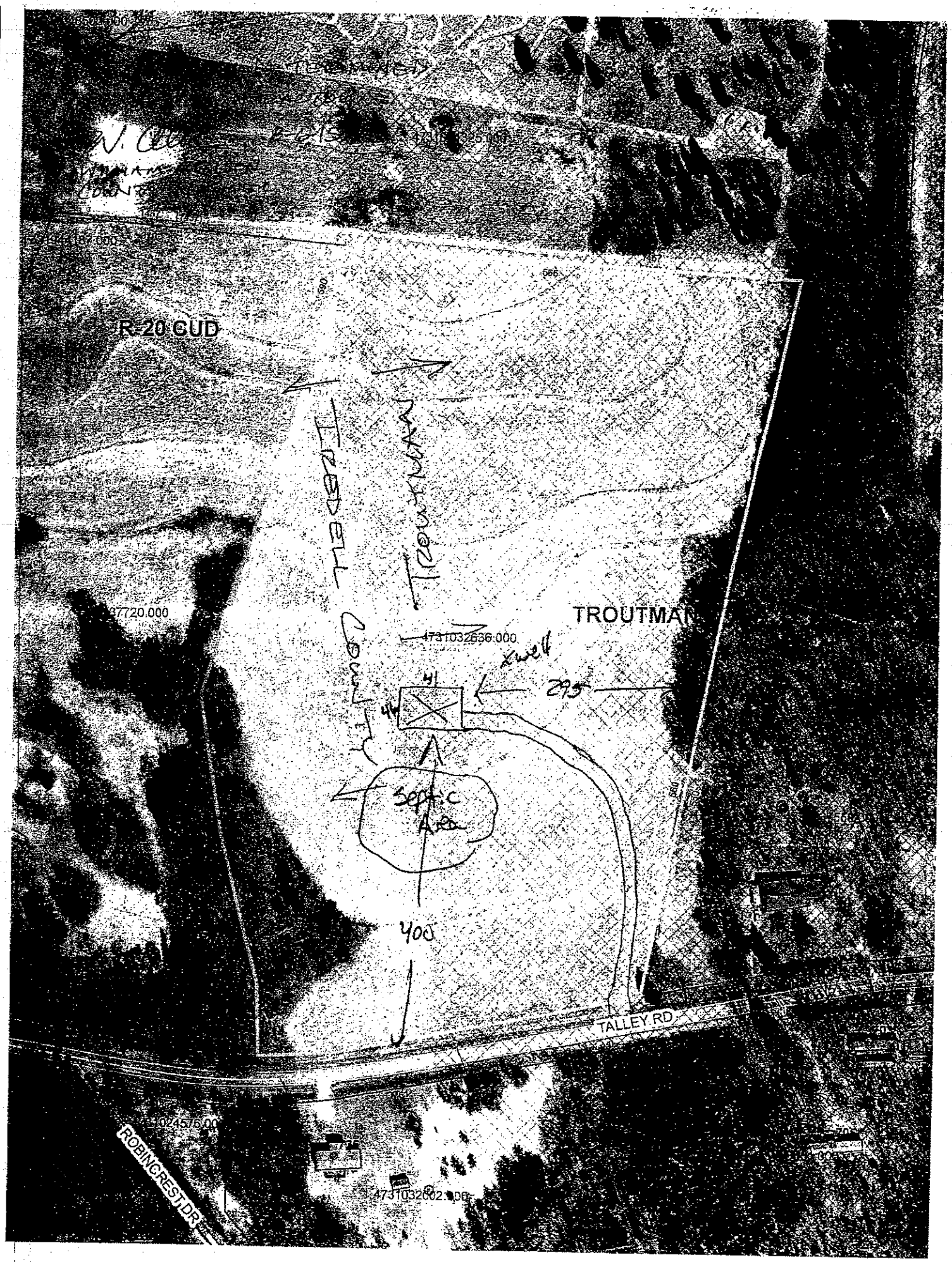
Evaluation of saprolite shall be by pits.

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

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



Existing Terrace
+100'
50' x 100 Well Area
41' x 48' House Bldg.
Proposed Drive
40' x 100' DRIP PETRIZ AREA
78' Terrace
28 Terrace
Terrace
57'
13'
120'
N. 2-Sum


R-20 CUD
TROUTMAN
TALLEY RD
ROBINCREST DR
4731032636.000
4731032720.000
4731032802.000
Septic Area
295
400