DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet ___ of ___
PROPERTY ID #: 4775940994
COUNTY: _____

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM phone 704-400-8120(cell)

OWNER: Bradley Henderson — APPLICATION DATE 11/12/14
ADDRESS: 129 Hugh Lane, Statesville — DATE EVALUATED: 12/4/14
PROPOSED FACILITY: 3BR→2BR — PROPOSED DESIGN FLOW (.1949): 360→240 — PROPERTY SIZE: 1 ac
LOCATION OF SITE: 425 Oak Forest Rd Statesville 28625 — PROPERTY RECORDED: 3/24/84
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	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	side	0-15	SL gr	fr SE					.15
		15-27	cl SB	SS+P fr SE (mixed)	gray wet				
		27-48	C+SAP WAB	SS+SP SE mixed	(10YR 7/8) (2.5YR 4/8)	7.5YR 5/4-5/8 (10YR 7/6)			
2	side	0-8	SL gr	fr SE					.25
		8-12	SCL gr-SB	fr SE					
		12-18	CL SB	SS SP fr SE	5YR 5/8				
		18-24	C SB	fi SS+SP SE	5YR 5/8				
		24-48	C+SAP AB	vfi SS SP SE					
3	side	0-12	SL+L gr	fr					.25
		12-24	C SB	SS SP fr SE					
		24-30	C+SAP SB	fr SE					
		30-36	C+SAP AB	fr SE					
		36+	SAP(CL) m	fr m acid					
4	side	0-3	CL SB	fr SE					.25
		3-15	C SB	fr SE					
		15-24	C+SAP SB	fr SE					
		24-38	C+SAP AB	fi SE					
		38-42+	SAP+C (CL) m	fi acid					

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

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____
EVALUATED BY: Jarris
OTHER(S) PRESENT: ~~Bdor~~ Bradley Henderson

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)		SCL (Sandy Clay Loam)				PR (Prismatic)
N (Nose Slope)		CL (Clay Loam)				
R (Ridge)		SiCL (Silty 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)	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)

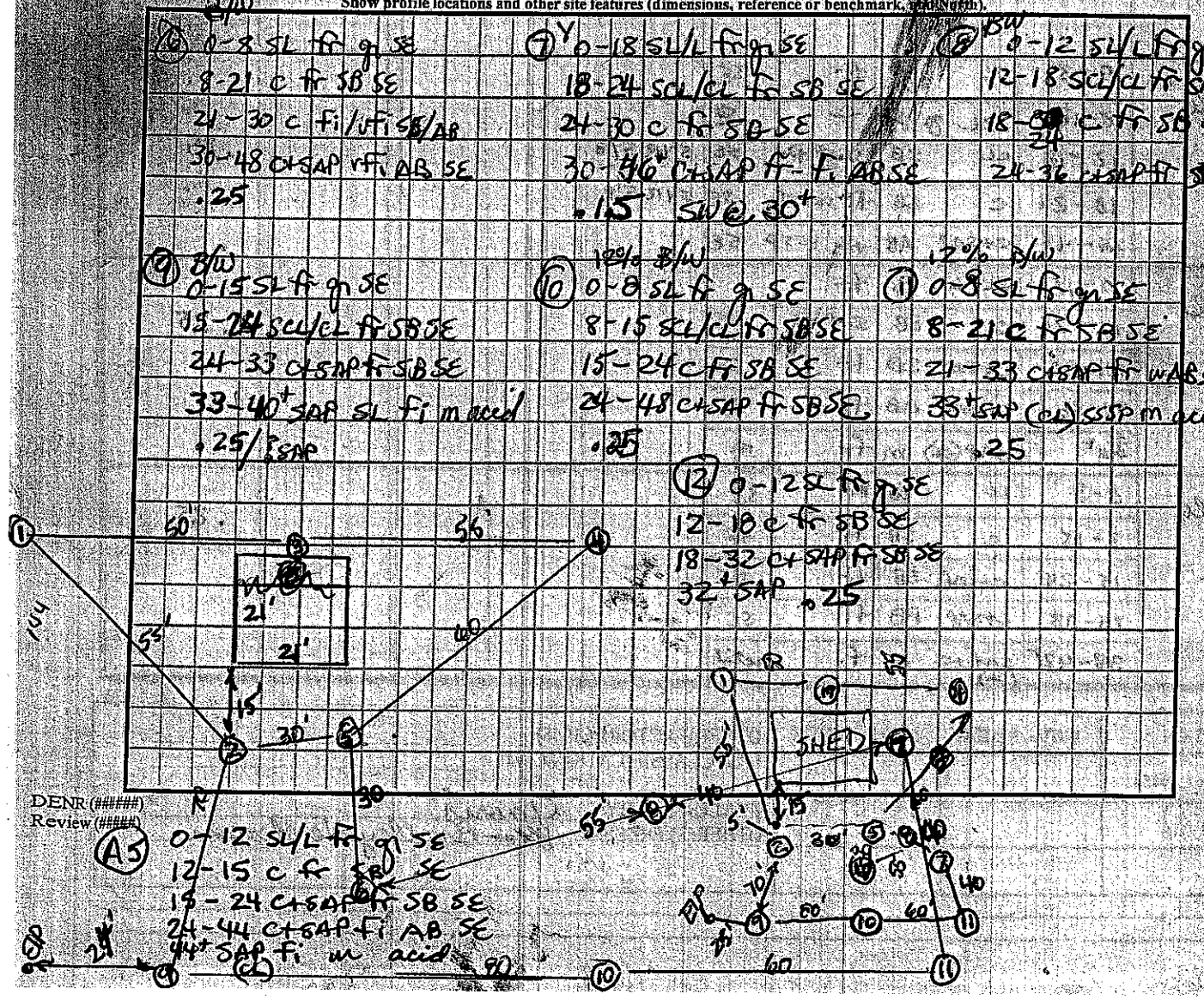
SOIL WETNESS — Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - Munsell color chip designation

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).



DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 1
PROPERTY ID #: 4775-94-0994
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Bradley Henderson — APPLICATION DATE 11-12-15
ADDRESS: 129 Hugh Ln Statesville NC — DATE EVALUATED: 2-13-15
PROPOSED FACILITY: 3 BRM — PROPOSED DESIGN FLOW (.1949): 360 gpd — PROPERTY SIZE: 2.00 ac
LOCATION OF SITE: 425 Oak Forest Dr — 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
B 1	LSS 17%	0-5	Fill			48"	-	-	PS
		5-16	B SCL Gr	Fr SS SP SExP	few YB, few Sap/Yellow minerals, few heavy clay incl.				.25
		16-39	RC WFSBk	Fi S P SExP					
		39-48	RCL WFSBk	Fi SS SP SExP	- few/com Sap., few heavy clay incl.				
B 2	LSS 8%	0-4	B SCL Gr	Fr SS SP SExP		48"L	-	-	PS
		4-8	YR C WFSBk	Fr SS SP SExP	com gravel, few sap				
		8-38	RC WFSBk	Fi S P SExP	few heavy clay veins				.25
		38-48	YRCL WFSBk	Fr SS SP SExP	com sap				
B 3	LSS 12%	0-8	B SCL Gr	Fr SS SP SExP		48"L	-	-	PS
		8-26	YRC WFSBk	Fi S P SExP	few YB				.225-.25 to 29"
		26-35	YRC WFSBk	Fi S P SExP	few sap, few white minerals, few/com YB				
		35-48	YRC WFSBk	Fi SP SExP	com sap, com heavy clay incl., com YB, com white minerals, possible Chr 2 incl.				
B 4	LSS 15%	0-5	Fill			48"	-	-	PS
		5-12	B SCL Gr	Fr SS SP SExP	com sap, few YB, few heavy clay veins				.25
		12-24	RC WFSBk	Fi S P SExP					
		24-40	RC WFSBk/ABk	Fi S P SExP					
		40-48	RC/CL WFSBk	Fr SS SP SExP	few heavy clay veins, com/heavy sap				

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	Gravity 25% Red	Gravity 25% Red
Site LTAR	0.25	0.225

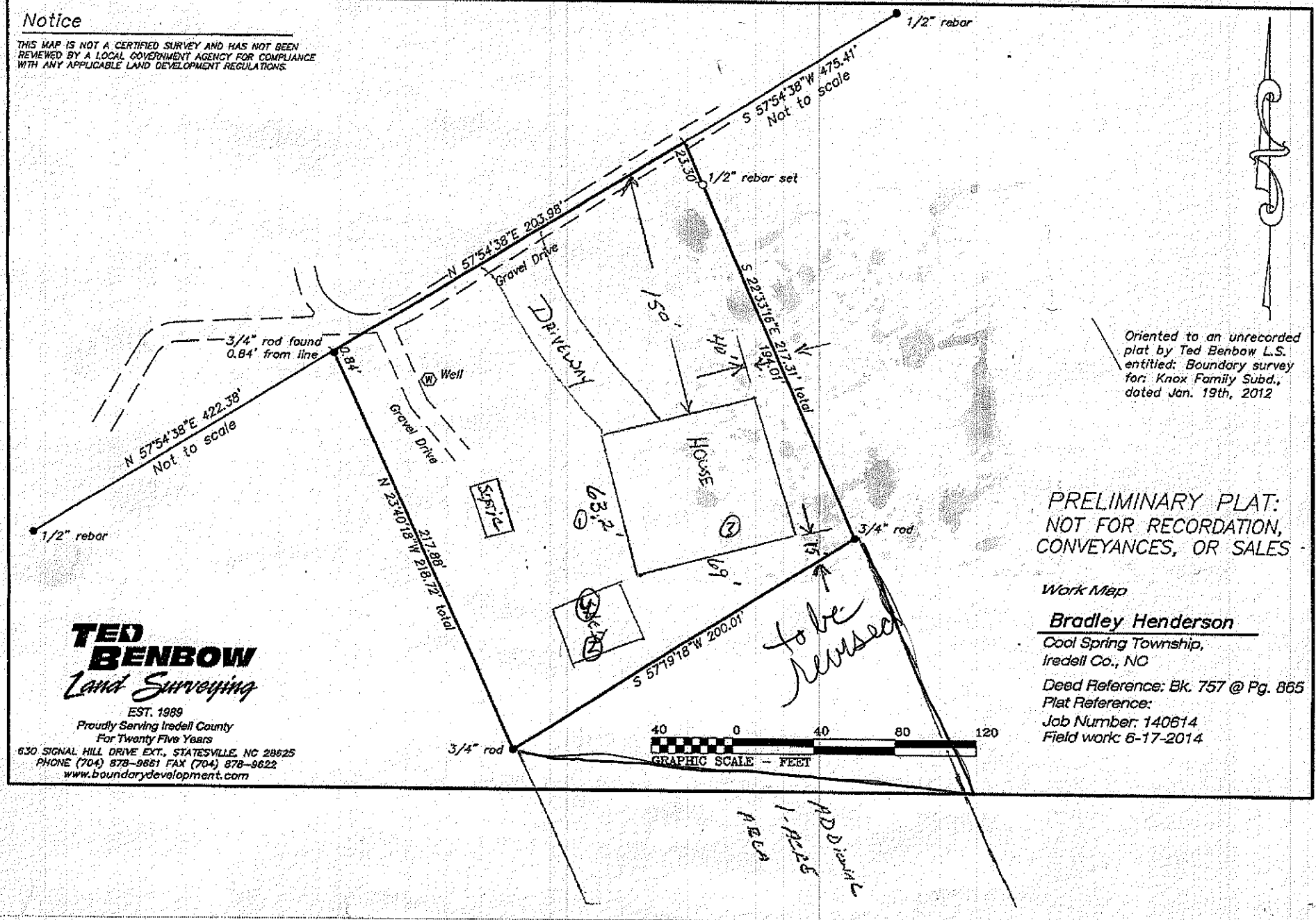
OTHER FACTORS (.1946): None
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Adrian Pruett
OTHER(S) PRESENT: Bradley Henderson

COMMENTS: Repair will be installed @ grade

Permit # 206887

Notice

THIS MAP IS NOT A CERTIFIED SURVEY AND HAS NOT BEEN REVIEWED BY A LOCAL GOVERNMENT AGENCY FOR COMPLIANCE WITH ANY APPLICABLE LAND DEVELOPMENT REGULATIONS



Oriented to an unrecorded plat by Ted Benbow L.S. entitled: Boundary survey for: Knox Family Subd., dated Jan. 19th, 2012

PRELIMINARY PLAT: NOT FOR RECORDATION, CONVEYANCES, OR SALES

Work Map

Bradley Henderson
Cool Spring Township,
Iredell Co., NC

Deed Reference: Bk. 757 @ Pg. 865
Plat Reference:
Job Number: 140614
Field work: 6-17-2014

TED BENBOW
Land Surveying
EST. 1989
Proudly Serving Iredell County
For Twenty Five Years
630 SIGNAL HILL DRIVE EXT., STATESVILLE, NC 28625
PHONE (704) 878-9661 FAX (704) 878-9622
www.boundarydevelopment.com

V:\2014\140614 - Bradley Henderson\140614.dwg Wed, 6/18/2014 2:32:45 PM
XREFS: I-40_FEB-Blk_Stamp.FEB-Blk_Stamp