DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 2
PROPERTY ID #: 9999
COUNTY: IREDELL

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: MIKE COLE
ADDRESS: —
APPLICATION DATE —
DATE EVALUATED: 1/28/15
PROPOSED FACILITY: SFR
PROPOSED DESIGN FLOW (.1949): 480 GPD
PROPERTY SIZE: .46 ACRE
LOCATION OF SITE: 194 SHARELINE LP. MOORESVILLE NC
PROPERTY RECORDED: 1961
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	LL 5%	0-12	BSCL, WSBK	FR, SS, SP		44"			.3 PS
		12-~~30~~ 36	BRC, ~~SBK~~	FR, SS, SP					
		36-44	RCL, WSBK	FR, SS, SP					
		44-48	MOSS SAP	VFR					
A2	LL 5%	0-8	BCL WSBK	FR, SS, SP	FEW SAP INCL. AT 28". MANY SAP INCL. AT 44"	48"	N/A	N/A	.325 PS
		8-15	TRC, SBK	FR, SS, SP					
		15-44	RCL, SBK/WSBK	" " "					
		44-48	RCL, VWSBK	VFR, SS, SP					
A3	LL 5%	0-8	BCL, WSBK	FR, SS, SP	FEW SAP INCL 42"-48"	48"	N/A	N/A	.3 PS
		8-24	RC, SBK	" " "					
		24-48"	RCL, SBK/WSBK	" " "					
A4	LL 7%	0-8	BCL, WSBK	FR, SS, SP		48"	N/A	N/A	.3 PS
		8-44	BRC, SBK	" " "					
		44-48	RCL, ~~WSBK~~ SBK	" " "					

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

OTHER FACTORS (.1946): N/A
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: SHANE CASHION
OTHER(S) PRESENT: MIKE COLE

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.

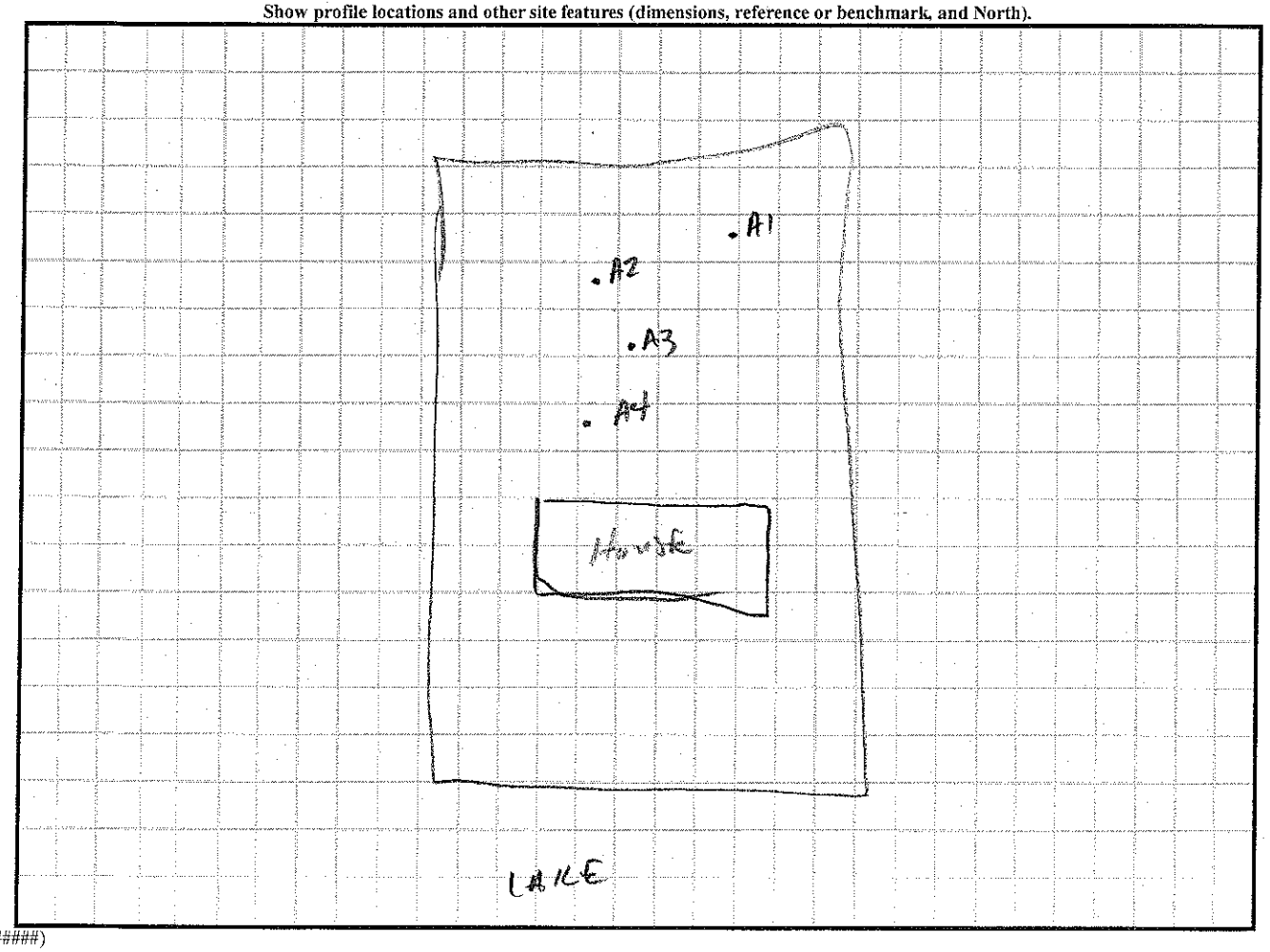
NOTES

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)

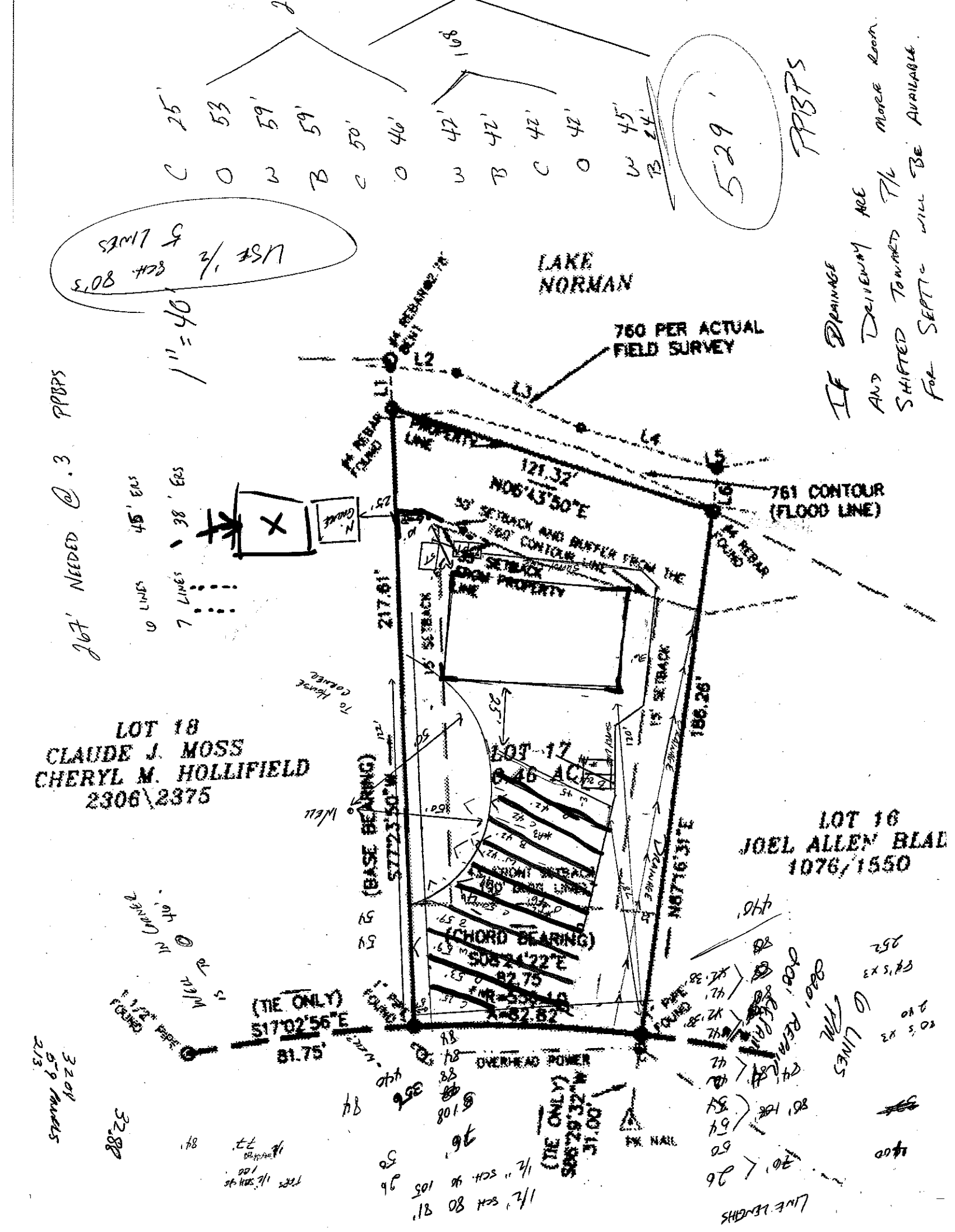
Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft^2

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



DENR (######)
Review (#####)


LAKE
NORMAN
760 PER ACTUAL
FIELD SURVEY
761 CONTOUR
(FLOOD LINE)
PROPERTY LINE
121.32'
N06°43'50"E
217.61'
186.26'
N27°16'31"E
S27°23'50"W
(BASE BEARING)
50' SETBACK AND BUFFER FROM THE 760' CONTOUR LINE
50' SETBACK FROM PROPERTY LINE
15' SETBACK
LOT 17
0.46 AC±
LOT 18
CLAUDE J. MOSS
CHERYL M. HOLLIFIELD
2306\2375
LOT 16
JOEL ALLEN BLAL
1076/1550
(CHORD BEARING)
S08°24'22"E
82.75'
R=530.10'
A=82.82'
(TIE ONLY)
S17°02'56"E
81.75'
(TIE ONLY)
S06°22'32"E
80.15'
OVERHEAD POWER
FIR
FIR NAIL
L1
L2
L3
L4
L5
L6
25'
N. Channel
To House
To Garage
Well
Line Lengths