DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 3
PROPERTY ID #: —
COUNTY: IREDELL

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Kayne Lor
ADDRESS: 121 Tangent Dr Statesville NC 28625
PROPOSED FACILITY: SFR
PROPOSED DESIGN FLOW (.1949): 360 GPD
LOCATION OF SITE: 121 Tangent Dr. (Tract 2) Statesville NC
WATER SUPPLY: ☑ Private ☐ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☑ Auger Boring ☐ Pit ☐ Cut
APPLICATION DATE 12/21/15
DATE EVALUATED: 1/14/16
PROPERTY SIZE: 16.074 Acres
PROPERTY RECORDED: TBD.
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
A 1	SL 10%	0-6	BCL, WSBK	FR, SS, SP	/	48"	Some MANG. 18"-48" HEAVIER 40"-48"	/	.275 0"-40" .25 40"-48"
		6-40	BC, SBK	" " "					
		40-48	BC, WSBK/ WABK	FR, S, P					
A 2	LL 10%	0-6	BCL, SBK/WSBK	FR, SS, SP	/	48"	MANG 40"-48"	/	.3 0"-40" .25 40"-48"
		6-40	BBC, SBK	" " "					
		40-48	BBC, WSBK	FR, S, P					
A 3	LL 5%	0-8	BSCL, SBK	FR, SS, SP	YELLOW BRANCH MOTTLES 33"-48"	48"	F INCL 35"-48"	/	.3 0-33" .225 33"-48"
		8-33	RC, SBK	" " "					
		33-48	RYC, WSBK	FR, S, P					
A 4	LL 5%	0-8	BSCL, WSBK	FR, SS, SP	/	48"	MANG 13"-48"	/	.25
		8-48	BC, WSBK HEAVY	FR, S, P					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	APPROVED	APPROVED
Site LTAR	.275 @ 24" TO	.25

OTHER FACTORS (.1946): —
SITE CLASSIFICATION (.1948): LS
EVALUATED BY: [signature]
OTHER(S) PRESENT: Kayne Lor ; Darren Reed.

COMMENTS:

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope) CV (Convex Slope) D (Drainage Way) DS (Debris Slump) FP (Flood Plain) FS (Foot Slope) H (Head Slope) L (Linear Slope) N (Nose Slope) R (Ridge) S (Shoulder Slope) T (Terrace)	I	S (Sand) LS (Loamy Sand)	1.2 - 0.8	0.6 - 0.4	NEXP (Non-expansive) SEXP (Slightly Expansive) EXP (Expansive)	G (Single Grain) M (Massive) CR (Crumb) GR (Granular) SBK (Subangular Blocky) ABK (Angular Blocky) PL (Platy) PR (Prismatic)
	II	SL (Sandy Loam) L (Loam)	0.8 - 0.6	0.4 - 0.3		
	III	Si (Silt) SiCL (Silty Clay Loam) CL (Clay Loam) SCL (Sandy Clay Loam) SiL (Silt Loam)	0.6 - 0.3	0.3 - 0.15		
	IV	SC (Sandy Clay) SiC (Silty Clay) C (Clay)	0.4 - 0.1	0.2 - 0.05		
		O (Organic)	None	None		

MOIST	WET
VFR (Very Friable)	NS (Non-sticky)
FR (Friable)	SS (Slightly Sticky)
FI (Firm)	S (Sticky)
VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
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.

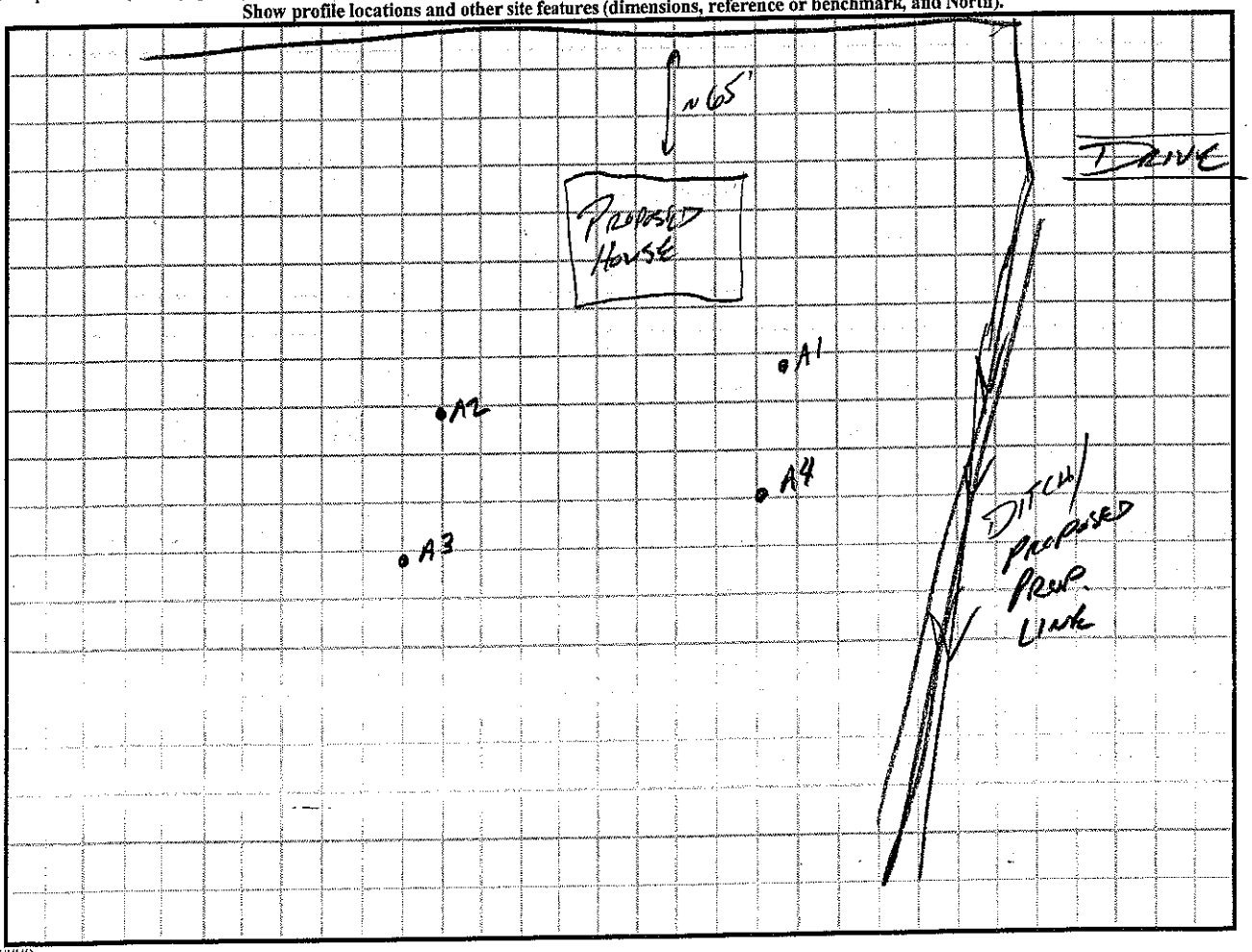
NOTES

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)

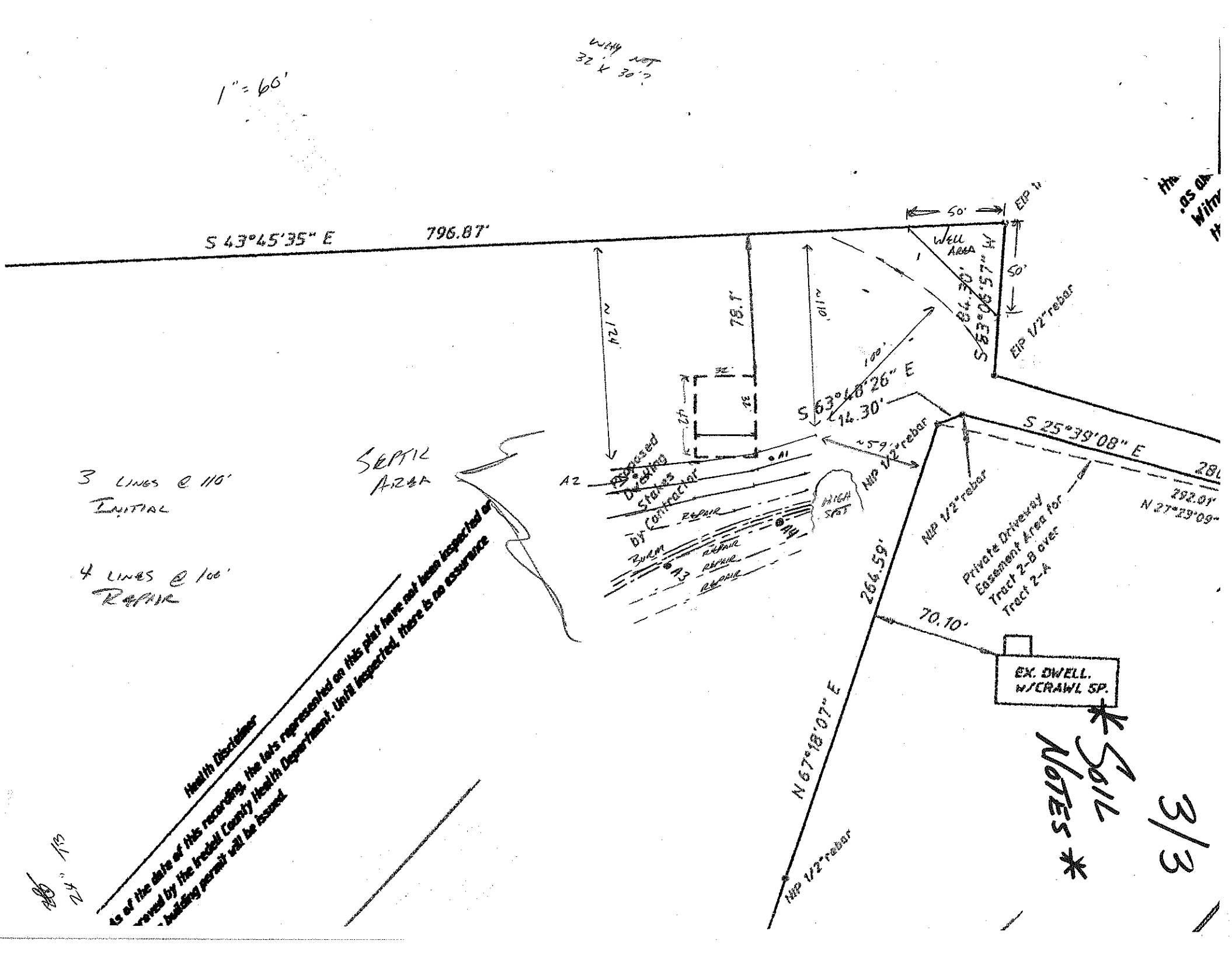
Evaluation of saprolite shall be by pits.

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

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



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


1" = 60'
WAY NOT 32 x 30'?
S 43°45'35" E 796.87'
50'
EIP
WELL AREA
50'
S83°08'57"W 84.30'
EIP 1/2" rebar
~121'
78.1'
101'
100'
S 63°40'26" E 14.30'
~59' rebar
NIP 1/2" rebar
S 25°39'08" E
292.01'
N 21°29'09"
Proposed Dwelling Stakes by Contractor
REPAIR
HIGH SPOT
SEPTIC AREA
A1
A2
A3
3 LINES @ 110' INITIAL
4 LINES @ 100' REPAIR
Private Driveway Easement Area for Tract 2-B over Tract 2-A
266.59'
70.10'
EX. DWELL. W/CRAWL SP.
N 67°18'07" E
NIP 1/2" rebar
Health Disclaimer
As of the date of this recording, the lot's represented on this plat have not been inspected or approved by the Iredell County Health Department. Until inspected, there is no assurance a building permit will be issued.
* Soil Notes *
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