## ${\bf SOIL/SITE\ EVALUATION\ for\ ON-SITE\ WASTEWATER\ SYSTEM}$

(Complete all fields in full) OWNER: Lilium Home DATE EVALUATED: 2-22-24 ADDRESS: 280 HOOK Dr. Je Dr. Fugury PROPOSED FACILITY: SFD 60' x 60' PROPO PROPOSED DESIGN FLOW (.0400): 480 PROPERTY SIZE: PROPERTY RECORDED: LOCATION OF SITE: WATER SUPPLY: Public Single Family Well WATER SUPPLY SETBACK: Shared Well Spring Other EVALUATION METHOD: (Auger Boring TYPE OF WASTEWATER: Domestic High Strength **IPWW** Pit Cut R OTHER PROFILE FACTORS SOIL MORPHOLOGY 0 F L .0509 .0503 .0504 .0502 E LANDSCAPE HORIZON .0503 .0503 SOIL .0505 .0506 .0507 PROFILE SLOPE WETNESS/ CORRE RESTR CLASS POSITION/ DEPTH STRUCTURE/ CONSISTENCE/ SOIL **SAPRO** HORIZ & LTAR\* CTION DEPTH CLASS MINERALOGY COLOR **SLOPE %** (IN.) TEXTURE 2.3% 48" 0-16 LS . 3 16-48 2-3% 0-26 LS 26-32 32-48 2-3% LS 4

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	
Available Space (.0508)	1	,	SITE CLASSIFICATION (.0509):
System Type(s)	25% Rea	50%. Rea	EVALUATED BY: KL/TM
Site LTAR	. 3	.3	OTHER(S) PRESENT:
Maximum Trench Depth	17/	1711	
Comments:			

## **LEGEND**

LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft²)	SAPROLITE LTAR (gpd/ft²)	LPP LTAR (gpd/ft²)	MINERALOGY/ CONSISTENCE		STRUCTURE
CC (Concave slope)	ı	S (Sand)	0.8 - 1.2	0.6 - 0.8	0.4 -0.6	MOIST	WET	SG (Single grain)
CV (Convex Slope)		LS (Loamy sand)		0.5 -0.7		Lo (Loose)	NS (Non-sticky)	M (Massive)
D (Drainage way)	н	SL (Sandy loam)	0.6 - 0.8	0.4 -0.6	0.3 - 0.4	VFR (Very friable)	SS (Slightly sticky)	GR (Granular)
FP (Flood plain)		L (Loam)		0.2 - 0.4		FR (Friable)	S (Sticky)	SBK (Subangular blocky)
FS (Foot slope)		SiL (Silt loam)	0.3 - 0.6	0.1 - 0.3	0.15 - 0.3	FI (Firm)	VS (Very sticky)	ABK (Angular blocky)
H (Head slope)		SCL (Sandy clay loam)		0.05 - 0.15**		VFI (Very firm)	NP (Non-plastic)	PR (Prismatic)
L (Linear Slope)		CL (Clay loam)		None		EFI (Extremely firm)	SP (Slightly plastic)	PL (Platy)
N (Nose slope)		SiCL (Silty clay loam)					P (Plastic)	
R (Ridge/summit)		Si (Silt)					VP (Very plastic)	
S (Shoulder slope)	IV	SC (Sandy clay)	0.1 - 0.4		0.05 - 0.2	SEXP (Slightly expansive)		
T (Terrace)		SiC (Silty clay)				EXP (Expansive)		
TS (Toe Slope)		C (Clay)						
		O (Organic)	None					

HORIZON DEPTH

In inches below natural soil surface

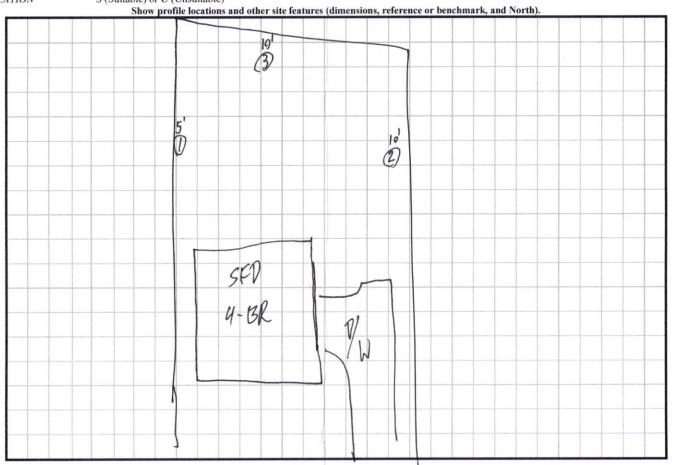
DEPTH OF FILL RESTRICTIVE HORIZON In inches from land surface Thickness and depth from land surface

SAPROLITE

S(suitable) or U(unsuitable); Evaluation of saprolite shall be by pits.

SOIL WETNESS CLASSIFICATION 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

S (Suitable) or U (Unsuitable)



<sup>\*</sup> Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

\*\*Sandy clay loam saprolite can only be used with advanced pretreatment in accordance with 15A NCAC 18E .1200.



VICINITY MAP (NTS)

LEGEND

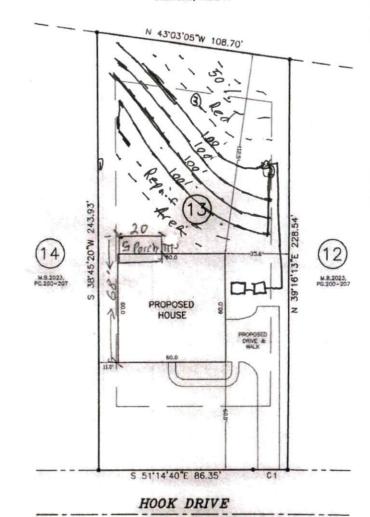
NOT TO SCALE
EXISTING IRON PIPE
POHER POLE
HATER METER
TELEPHONE BOX
IRON PPE SET
TRANSFORMER
CABLE TV BOX PP F W/M W TB T IPS IF CPAEL TI CATY C

CABLE TY BOX.

LIGHT POLE
UNERHELD POWER LINE
FLAMED END SECTION (PPE)
REINTGRICED CONC. PIPE
BACK OF CURB
FRE HTCRANT
SEWER CLEAN OUT
EXISTING RON STAKE.
MANHOLE
EUSTING CONCRETE MONUMENT
PARKER KALON NAIL. RCP B.O.C. F.H. C\O EIS W.H. ECM P.K.

Chord Chord Bear. Radius Length S 50°58'23' E 2025.00 19.18 19.18

R.L. JOHNSON FAMILY LIMITED PARTNERSHIP D.B.1048, PG.246



NOTES:

(A) THE PROPERTY SHOWN HEREON IS SUBJECT TO ALL EASTMENTS OF RECORD AFFEITING SAME.

(B) NO THIS SEARCH HAS REED PERFORMED BY THIS FIRM DURING THE COURSE OF THIS SURVEY.

(C) THIS SURVEYOR DOES NOT CERTIFY TO THE EXISTENCE OR NON-EMSTERNCE OF ANY UNDER GROUND UILIEES THAT MAY OR MAY NOT BE PRESENT ON THIS SITE.

NOTE: SHOWN IS LOT 13 OF COTTON FARMS S/D REF: M.B.2023, PG.200-207 AREA = 0.578 ACRES 280 HOOK DRIVE

40 80 120 40 0 500000 GRAPHIC SCALE - FEET

(50' PUBLIC R/W)

THIS IS TO CERTIFY THAT THIS MAP WAS PREPARED FROM AN ACTUAL SURVEY OF THE PREMISES, MADE UNDER MY SUPERVISION, AND THAT THERE ARE NOT ANY ENCROCACHMENTS, EXCEPT AS NOTED TO THE BEST OF MY KNOWLEDGE. THAT THE RATIO OF PRECISION AS CALCULATED BY LATITUDES AND DEPARTURES IS 1:10,000.
THIS MAP WAS PREPARED FOR TITLE COMPANY USE AND IS NOT INTENDED FOR RECORDATION OR CONVEYANCES WITHOUT WRITTEN AUTHORIZATION OF THE SURVEYOR AND OTHER APPROPRIATE OFFICIALS. PROFESSIONAL LAND SURVEYOR L-3247

PRELIMINARY PLAT

PRELIMINARY PLOT PLAN FOR: LILIUM HOMES INC.

HECTOR'S CREEK TWSP., HARNETT CO., N.C. SCALE 1" = 40' DECEMBER 13, 2023

MAULDIN - WATKINS SURVEYING, P.A. P.O. BOX 444 / 139 N. MAIN ST. FUOUAY VARINA NORTH CAROLINA 27526 (919) 552-9326 C-929 516 5164-13

8' 7/.5.7 18-PI

6. 11 26 = 2/1 10 84-26 11 26 = 2/2 10 84-26

> 725 83-91 E. 75 91-01