AP- 322318

ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 | Mooresville Office (704) 660-3625

PERMIT # RELAY-2023-18804

SEPTIC: IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM

PIN # 4625-77-3135

APPLICANT / OWNER: Stanwick Dunham LLC | APPLICANT ADDRESS: 4416-C Monroe Rd, Charlotte, NC 28205

SITE ADDRESS: 104 BROWNSTONE DR, MOORESVILLE, NC 28117 | PHONE: | ALT. PHONE:

SITE DIRECTIONS: W Brawley -> R Marstons Mill -> White Horse -> Ballston -> Brownstone -> lot on R | SAP CONTROLLED: YES ☐ NO ☑

SUBDIVISION: The Point | SECTION: 4 | LOT #: 444 | LOT AREA: 2.74 | DESIGN FLOW: 600 | L.T.A.R.: 0.3

Septic Tank: 1500 (gal)	STB: 353	Date: 12/18/2022	☒ New System ☐ Repair ☐ Expansion	System Type: IV	☑ Residence	No. Bedrooms: 5	Water Supply: Community Well
Pump Tank: 1500 (gal)	PT: 352	Date: 11/06/2022	System Description: LPPPBPS		☐ Business	No. Persons: 10	
Pump Make: Liberty	Model: Liberty	Serial #: FL51M	Repair System Description: LPPPBPS		☐ Other	No. Employees: 0	
# Nitrification Fields: 1	# Lines: 4	Linear Ft.: 339	Maintenance Agreement Required: ☑ YES ☐ NO		☐ Slab	☑ Crawl Space	
Trench Width: 24	Trench Bottom Depth (Low side): 30		Gravel Depth: 0	☐ GRAVITY ☑ PRESSURE	☐ Basement w/ Plumbing	☐ Basement w/o Plumbing	

Comments / Conditions: Purpose of this permit is to show that installer put in the repair system - LTAR did not change, drainfield area in front yard still intact.

INITIAL SITE SKETCH

See attached site plan showing system as installed 2/23/23

AS BUILT SKETCH

tanks, CVB, lines, pressure head - SH 2/23/23

alarm, electrical, mc SB 7/5/2023

VERIFY REPAIR AREA SUFFICIENT -see note on site plan

Permit can be suspended or revoked if any false information is supplied toward securing the permit / any unauthorized changes are made to the site / any unauthorized changes are made in the installation of the system. CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION

☐ IMPROVEMENT PERMIT with plat valid without expiration. ☑ IMPROVEMENT PERMIT with site plan valid for 60 mos. ☑ AUTHORIZATION TO CONSTRUCT valid for period equal to IMPROVEMENT PERMIT–not to exceed 60 mo.

Owner / Applicant Signature: Date:

IMPROVEMENT PERMIT by: D. Weber Date: 3/23/23

AUTHORIZATION TO CONSTRUCT by: D. Weber Date: 3/23/23

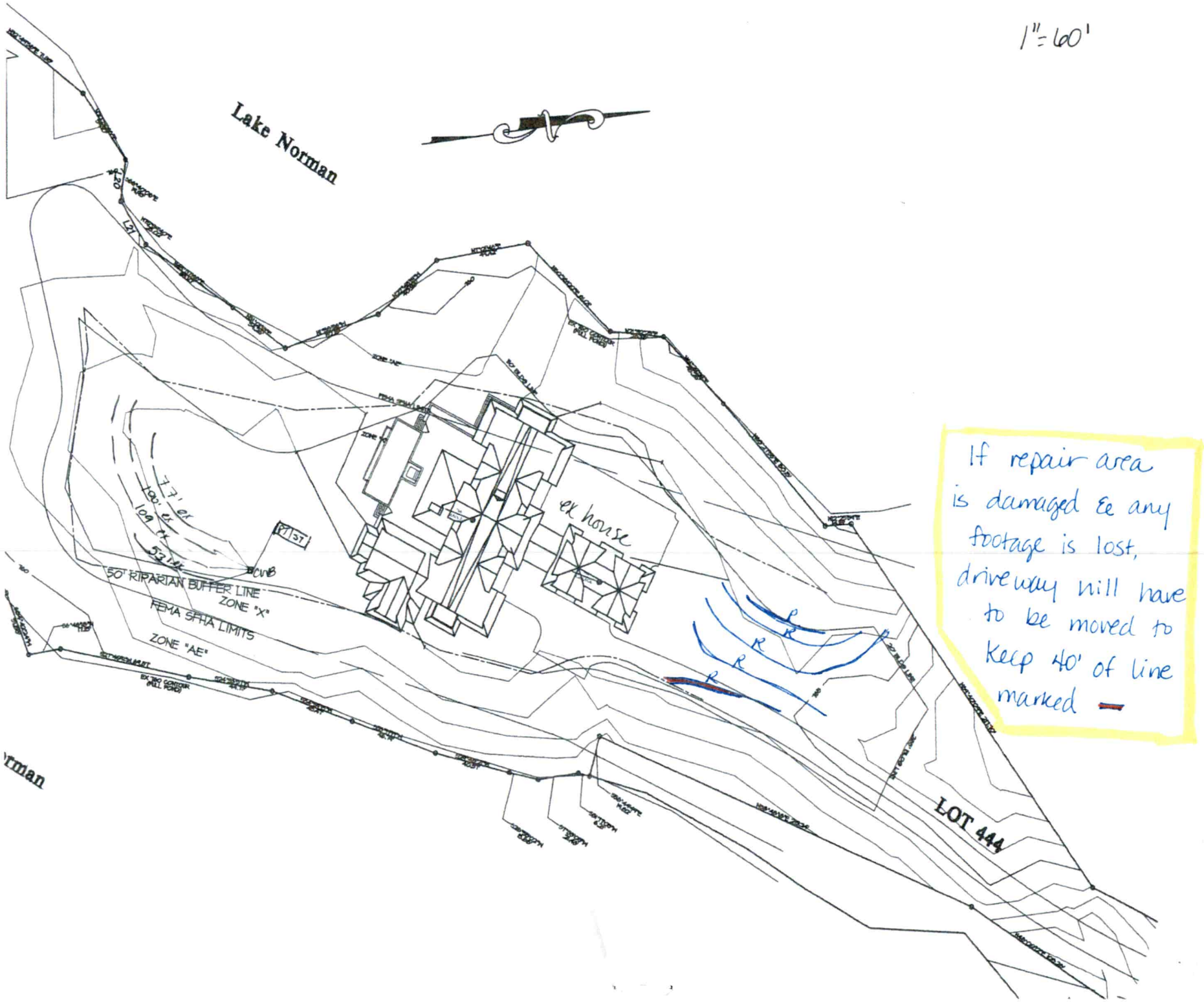
Installed By: Stevens Septic

OPERATION PERMIT by: Date: 7/5/2023

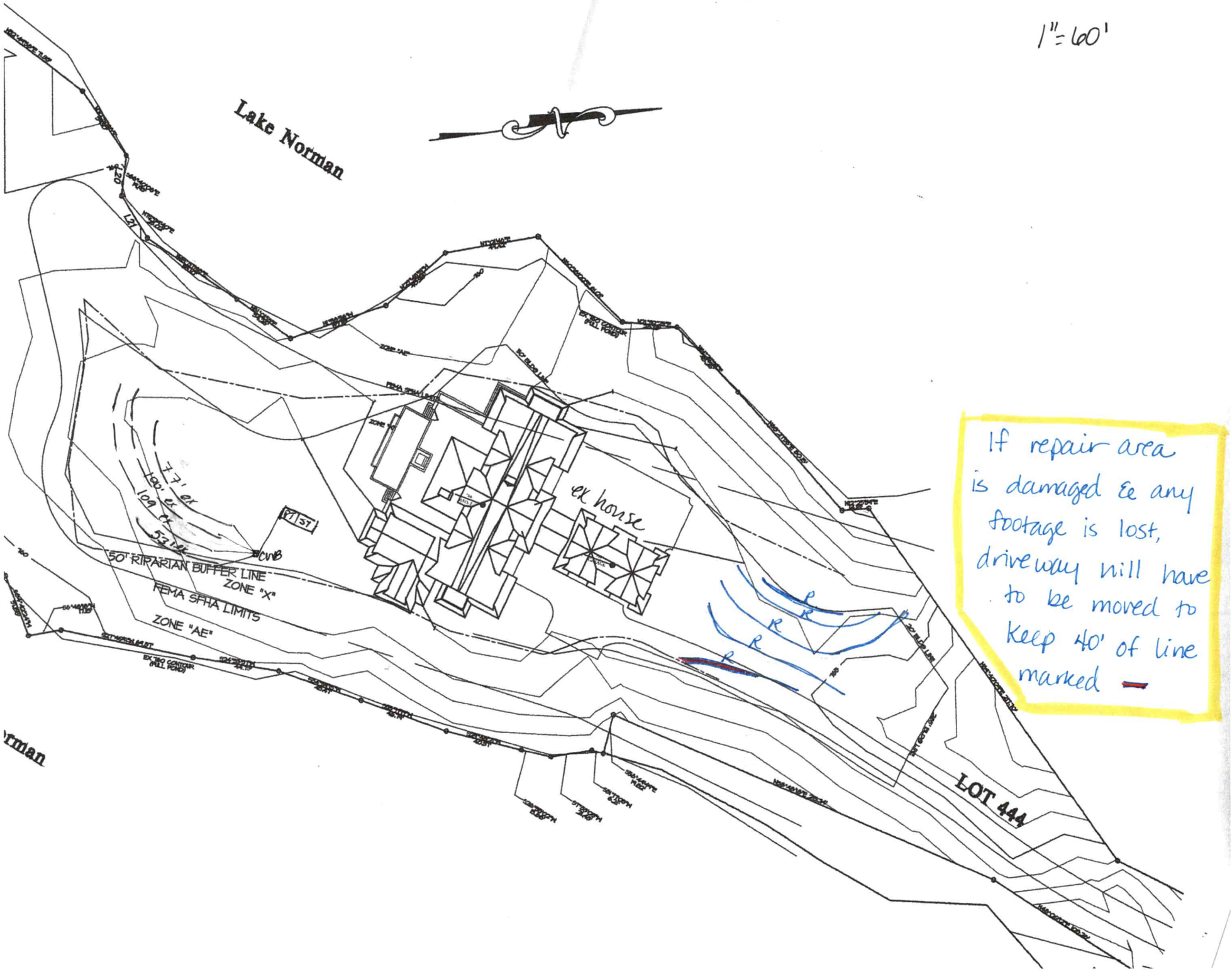
Existing System Inspected By: Date:

FOR SEPTIC FINAL INSPECTION CALL: 704-664-3703 BETWEEN 8am-9am the day the inspection is needed.

1" = 60'

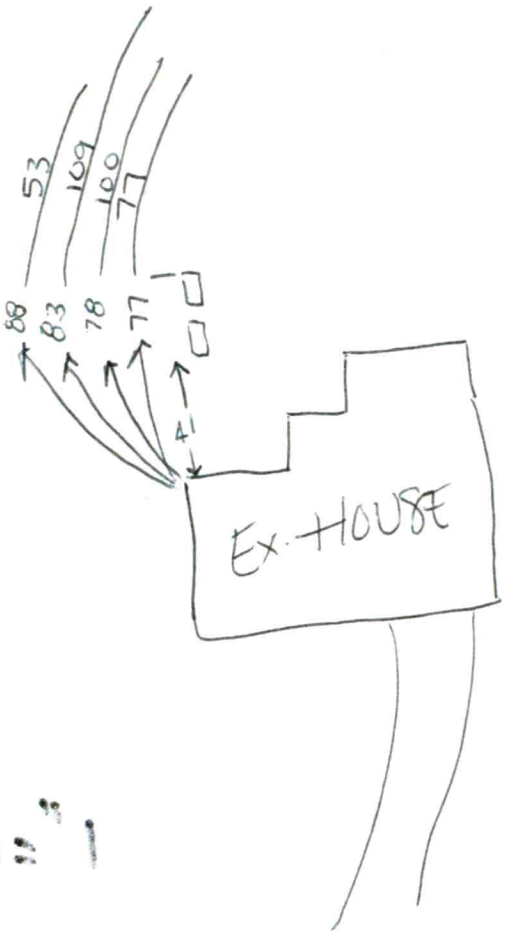

Lake Norman
771 ft el
100 yr el
100 yr
53 ft dr
CONC
50' RIPARIAN BUFFER LINE
ZONE "X"
FEMA SFHA LIMITS
ZONE "AE"
ex house
LOT 444
If repair area is damaged & any footage is lost, driveway will have to be moved to keep 40' of line marked

1" = 60'


Lake Norman
77' ex
100' ex
109' ex
53' ex
50' RIPARIAN BUFFER LINE
ZONE "X"
FEMA SFHA LIMITS
ZONE "AE"
ex house
LOT 444
If repair area is damaged & any footage is lost, driveway will have to be moved to keep 40' of line marked

Brian
~~Brian~~ Was +
704-309-7473

Stevens
Septic



DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

PROPERTY ID #: 1625773135
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Jeff & Dee Arnold/Ryan McKinney - Survey — APPLICATION DATE 2/1/18
ADDRESS: 141 Swayne Mooresville, NC — DATE EVALUATED: 3/7/18
PROPOSED FACILITY: House — PROPOSED DESIGN FLOW (.1949): 4 BR — PROPERTY SIZE: 2.74 AC
LOCATION OF SITE: 104 Brownstone Mville, NC — PROPERTY RECORDED: Yes
Lot 441
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	L 5%	0-6"	Brw	SCL SS, SP, SExP, FR					PS .3
		6-18	RCm	SBK SS, SP, SExP, FR					
		18-56	RC/CL	w SBK SS, SP, SExP, FR w/ Common Mica & few to many SAP Inclus					
2	L 6%	0-4"	Brw	SCL SS, SP, SExP, FR					PS .3
		4-23	RCm	SBK SS, SP, SExP, FR					
		23-56	RC/CL	w SBK SS, SP, SExP, Few SAP Inclus					
		56-60	RCL	w SBK w/ many SAP Inclus					
3	5%	0-4	Brw	SCL SS, SP, SExP, FR					PS .3
		4-29	RCm	SBK SS, SP, SExP, FR					
		29-62	RC/CL	w SBK SS, SP, SExP, FR Common Mica & few SAP Inclus					
4	L 4%	0-6	Brw	SCL SS, SP, SExP, FR					PS .3
		6-23	RCm	SBK SS, SP, SExP, FR					
		23-60	RC/CL	w SBK SS, SP, SExP, FR w/ Few to many SAP Inclus					
				> 30"					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	LPABR	LPABR
Site LTAR	.3	.3-.25

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____
EVALUATED BY: Maria Dotson
OTHER(S) PRESENT: Josh Williams, Brian Mc Manus

COMMENTS: _____

DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

PROPERTY ID #: 4625773135
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Jeff & Dee Arnold/Brian McManus - Spivey — APPLICATION DATE 2/1/18
ADDRESS: 141 Swayne Mooresville, NC — DATE EVALUATED: 3/7/18
PROPOSED FACILITY: House — PROPOSED DESIGN FLOW (.1949): 4 bdrm — PROPERTY SIZE: 2.74 Ac
LOCATION OF SITE: 104 Brownstone Mville, NC — PROPERTY RECORDED: Yes
WATER SUPPLY: ☐ Private ☒ Public ☐ Well ☐ Spring ☐ Other — Lot 444
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	L 5%	0-6"	Brw	SCL SS, SP, SExp, FR					PS .3
		6-18	RCm	SBK SS, SP, SExp, FR					
		18-56	RCL/CL	w SBK SS, SP, SExp, FR w/ Common Mica & few to many SAP Inclus					
2	L 6%	0-4"	Brw	SCL SS, SP, SExp, FR					PS .3
		4-23	RCm	SBK SS, SP, SExp, FR					
		23-56	RCL	w SBK SS, SP, SExp, few SAP Inclus					
		56-60	RCL	w SBK w/ many SAP Inclus					
3	5%	0-4	Brw	SCL SS, SP, SExp, FR					PS .3
		4-29	RCm	SBK SS, SP, SExp, FR					
		29-62	RCL/CL	w SBK SS, SP, SExp, FR Common Mica & few SAP Inclus					
4	4%	0-6	Brw	SCL SS, SP, SExp, FR					PS .3
		6-23	RCm	SBK SS, SP, SExp, FR					
		23-60	RCL/CL	w SBK SS, SP, SExp, FR w/ few to many SAP Inclus					
				> 30"					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	LPP BPS	LPP BPS
Site LTAR	.3	.3-.25

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948):
EVALUATED BY: Maria Dotson
OTHER(S) PRESENT: Josh Williams, Brian McManus

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) O (Organic)	0.4 - 0.1	0.2 - 0.05		
			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)

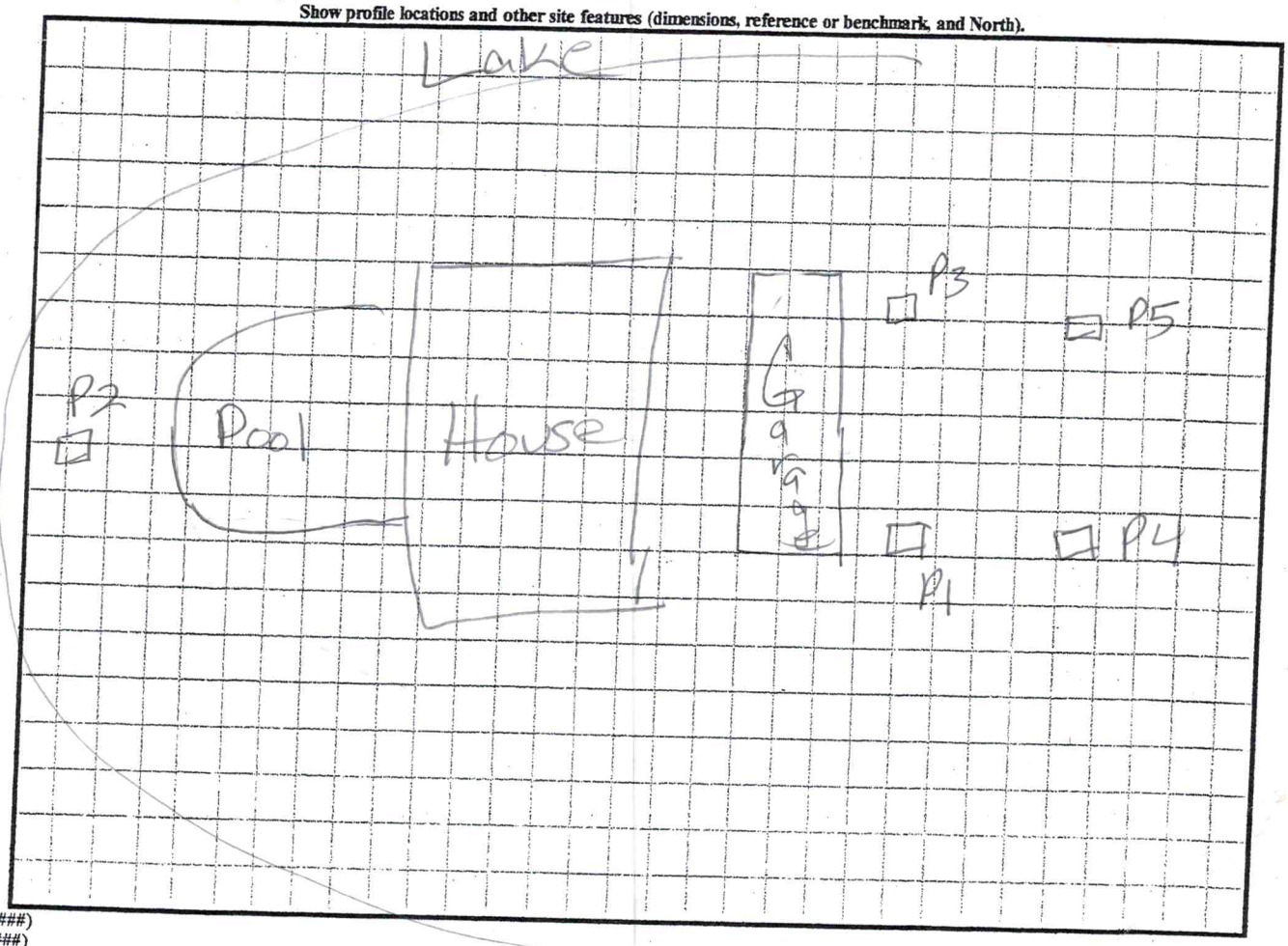
*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

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/ft²

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



NR (######)
iew (#####)

DIVISION OF ENVIRONMENTAL HEALTH
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PROPERTY ID #: 4625773135
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for ON-SITE WASTEWATER SYSTEM

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ADDRESS: 141 Swayne Mooresville NC DATE EVALUATED: 3/7/18
PROPOSED FACILITY: House PROPOSED DESIGN FLOW (.1949): 4 BR PROPERTY SIZE: 2.745 Ac
LOCATION OF SITE: 164 Brown Stone Mooresville Lot 444 PROPERTY RECORDED: Y

WATER SUPPLY: ☐ Private ☒ Public ☐ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☐ Auger Boring ☒ Pit ☐ Cut TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

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			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
5 1	4-5%	0-9	Brn SCL	SS, SP, SExp, FR					PS .3- .25
		9-21	RC m	SBK SS, SP, SExp, FR					
		21-60	RC w	SBK SS, SP, SExp, FR					
			few	Yel/Brn	> 30"				
2									
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	LPPPBPS	LPPPBPS
Site LTAR	.3	.3-.25

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	IV	SC (Sandy Clay) SiC (Silty Clay) C (Clay) O (Organic)	0.4 - 0.1 None	0.2 - 0.05 None	VFR (Very Friable) FR (Friable) FI (Firm) VFI (Very Firm v. Very Sticky) EFI (Extremely Firm)	NS (Non-sticky) SS (Slightly Sticky) S (Sticky) VS (Very Sticky) NP (Non-plastic) SP (Slightly Plastic) P (Plastic) VP (Very Plastic)

	MOIST	WET

*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

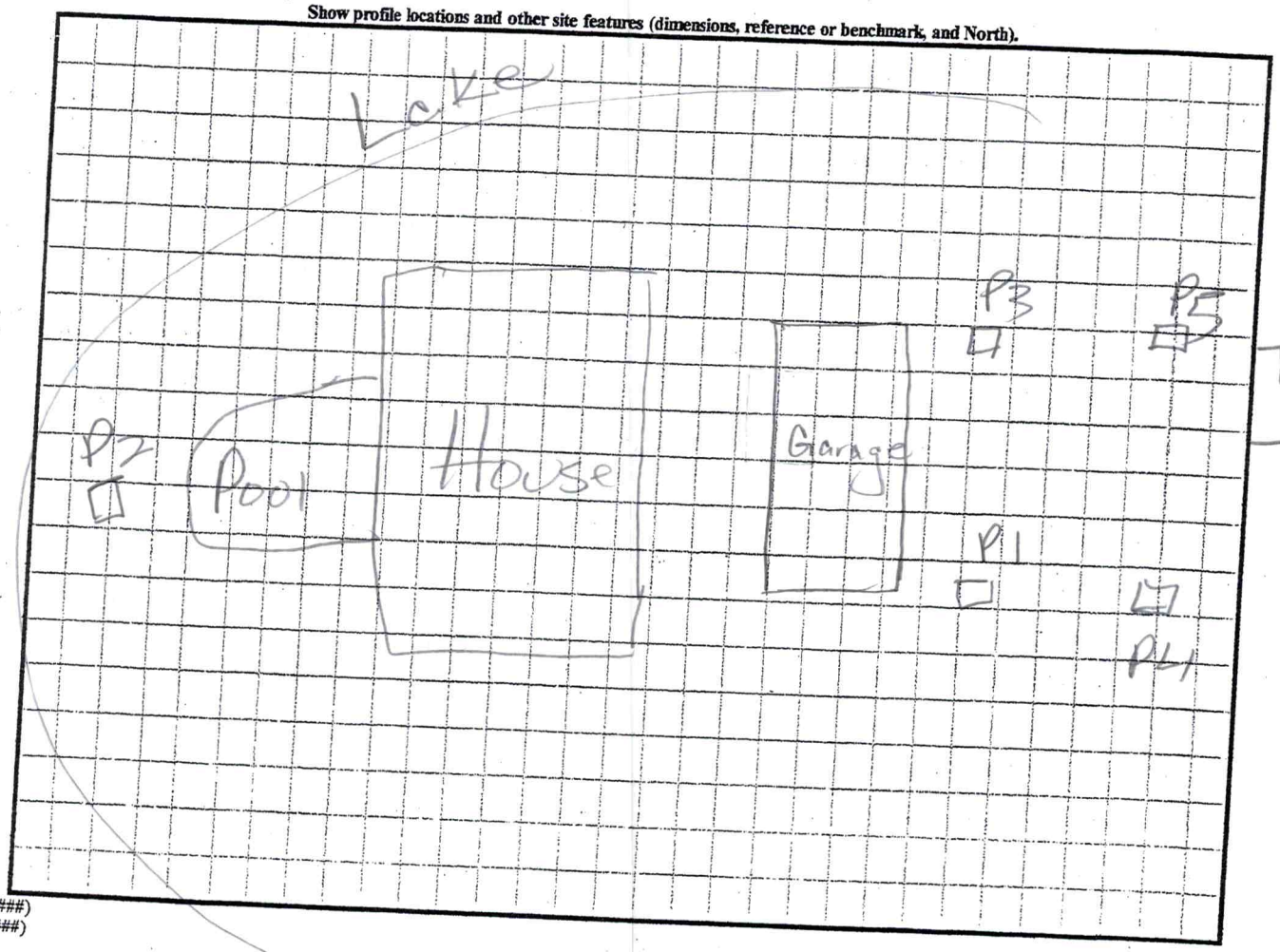
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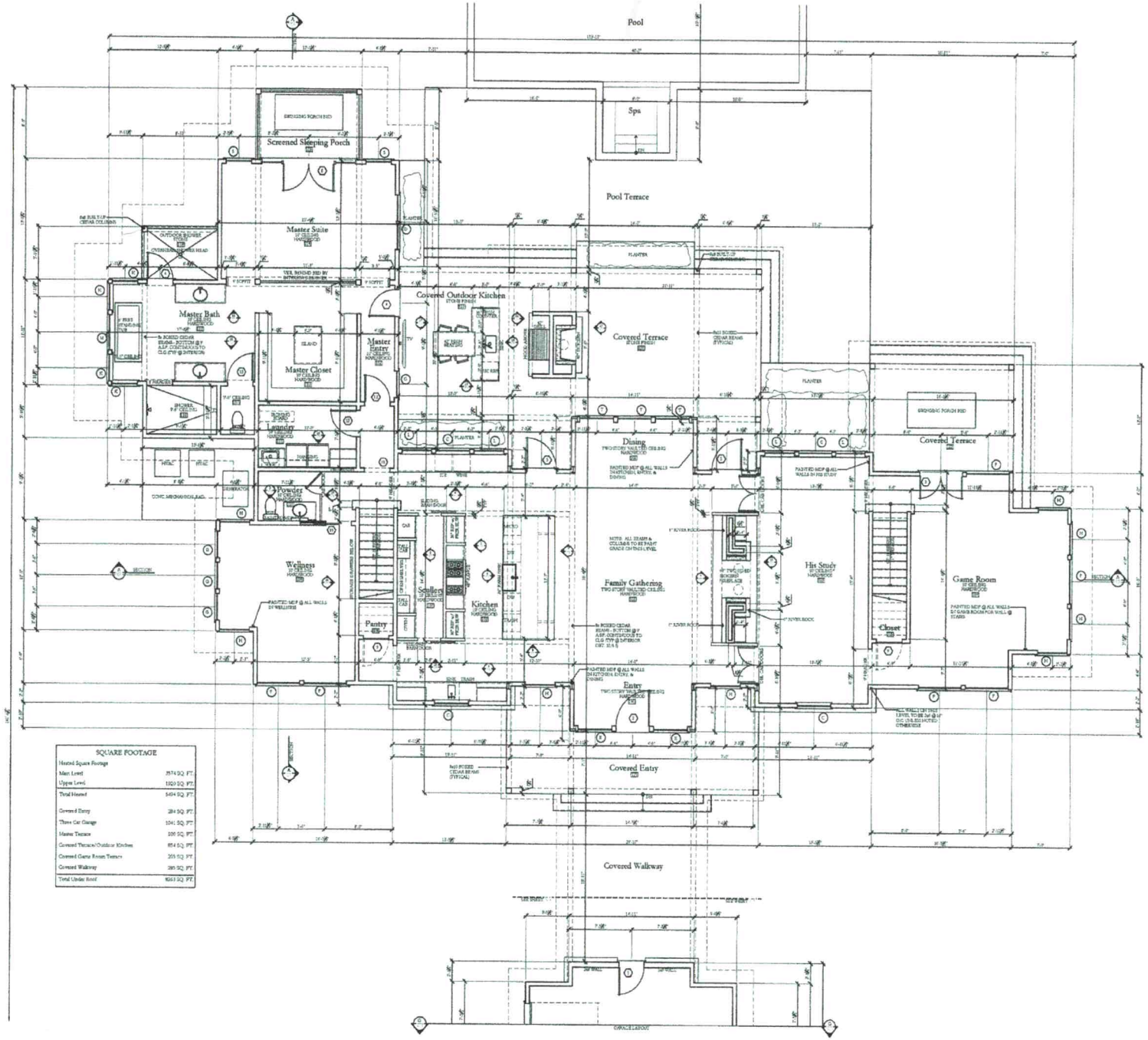
Evaluation of saprolite shall be by pits.

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

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



NR (######)
view (#####)



WINDOW SCHEDULE

NO.	SIZE	DESCRIPTION
A	1'-4" x 4'-0"	COTTAGE DOUBLE HUNG
B	1'-4" x 3'-0"	FIXED
C	2'-8" x 5'-0"	DOUBLE HUNG
D	2'-8" x 3'-0"	FIXED - MATCH RAIL & STILES TO DOOR #3
E	2'-8" x 3'-0"	CASED - PAINTED CUSTOM UNIT BUILT BY BILL BARRETT 2 1/4" THICK (SEE BELOW)
F	3'-0" x 5'-0"	FIXED - MATCH RAILS & STILES TO DOOR #3
G	3'-0" x 5'-0"	FIXED - MATCH RAILS & STILES TO DOOR #2
H	3'-0" x 6'-0"	FIXED - MATCH RAILS & STILES TO DOOR #1
I	3'-0" x 7'-0"	COTTAGE DOUBLE HUNG
J	3'-0" x 3'-0"	FIXED
K	3'-0" x 6'-0"	DOUBLE HUNG
M	4'-0" x 5'-0"	FIXED (TEMPERED)
N	4'-0" x 6'-0"	COTTAGE DOUBLE HUNG
P	4'-0" x 7'-0"	COTTAGE DOUBLE HUNG
Q	5'-0" x 3'-0"	CASEMENT
R	6'-0" x 5'-0"	FIXED - BUILT BY BILL BARRETT
S	3'-0" x 6'-0"	FIXED - MATCH RAILS & STILES TO DOOR #5
T	6'-0" x 5'-0"	FIXED - MATCH RAILS & STILES TO DOOR #5
U	3'-0" x 7'-0"	COTTAGE DOUBLE HUNG
V	3'-0" x 6'-0"	COTTAGE DOUBLE HUNG

ALL WINDOWS TO BE MARVIN UNLESS SPECIFIED OTHERWISE

DOOR SCHEDULE

NO.	SIZE	DESCRIPTION
1		HALF GLASS
2	4'-0" x 7'-0"	PAINTED CUSTOM UNIT BUILT BY BILL BARRETT 2 1/4" THICK (SEE BELOW)
3	2'-8" x 7'-0"	FRENCH DOORS BY MARVIN
4	3'-0" x 8'-0"	FRENCH DOORS BY MARVIN
5	2'-8" x 8'-0"	FRENCH DOORS BY MARVIN
6	3'-0" x 8'-0"	SOLID PANEL PUSHKIT
7	3'-0" x 7'-0"	FRENCH DOOR BY MARVIN
8	5'-0" x 8'-0"	FRENCH w/ 2'-0" x 8'-0" FIXED PANELS EA. SIDE BY MARVIN
9	3'-0" x 8'-0"	SOLID CORE DOOR w/ TMG FINISH
10	3'-0" x 8'-0"	SOLID PANEL PUSHKIT
11	3'-0" x 8'-0"	SHEETROCK OPENING
12	3'-0" x 8'-0"	SOLID PANEL
13	3'-0" x 8'-0"	STONED GLASS
14	2'-0" x 8'-0"	SOLID PANEL
15	2'-0" x 8'-0"	SOLID PANEL

CONTACT BILL BARRETT WITH SOUTHERN CYPRESS DOORS FOR ALL EXTERIOR DOORS AND ALL CUSTOM WINDOWS BUILT TO MATCH DOORS.

406-490-8115
bill@billbarrett.com

SEE MANUFACTURER'S SHOP DRAWINGS - ALL DOORS SPECIFIED OTHERWISE

SQUARE FOOTAGE

Heated Square Footage	
Main Level	3574 SQ. FT.
Upper Level	1920 SQ. FT.
Total Heated	5494 SQ. FT.
Covered Entry	284 SQ. FT.
Three Car Garage	1041 SQ. FT.
Master Terrace	100 SQ. FT.
Covered Terrace/Outdoor Kitchen	854 SQ. FT.
Covered Game Room Terrace	255 SQ. FT.
Covered Walkway	395 SQ. FT.
Total Under Roof	8363 SQ. FT.

JIM PHELPS COLLECTION, LLC
EAST HELENA, MONTANA
504.235.3372
www.jimphelpscollection.com

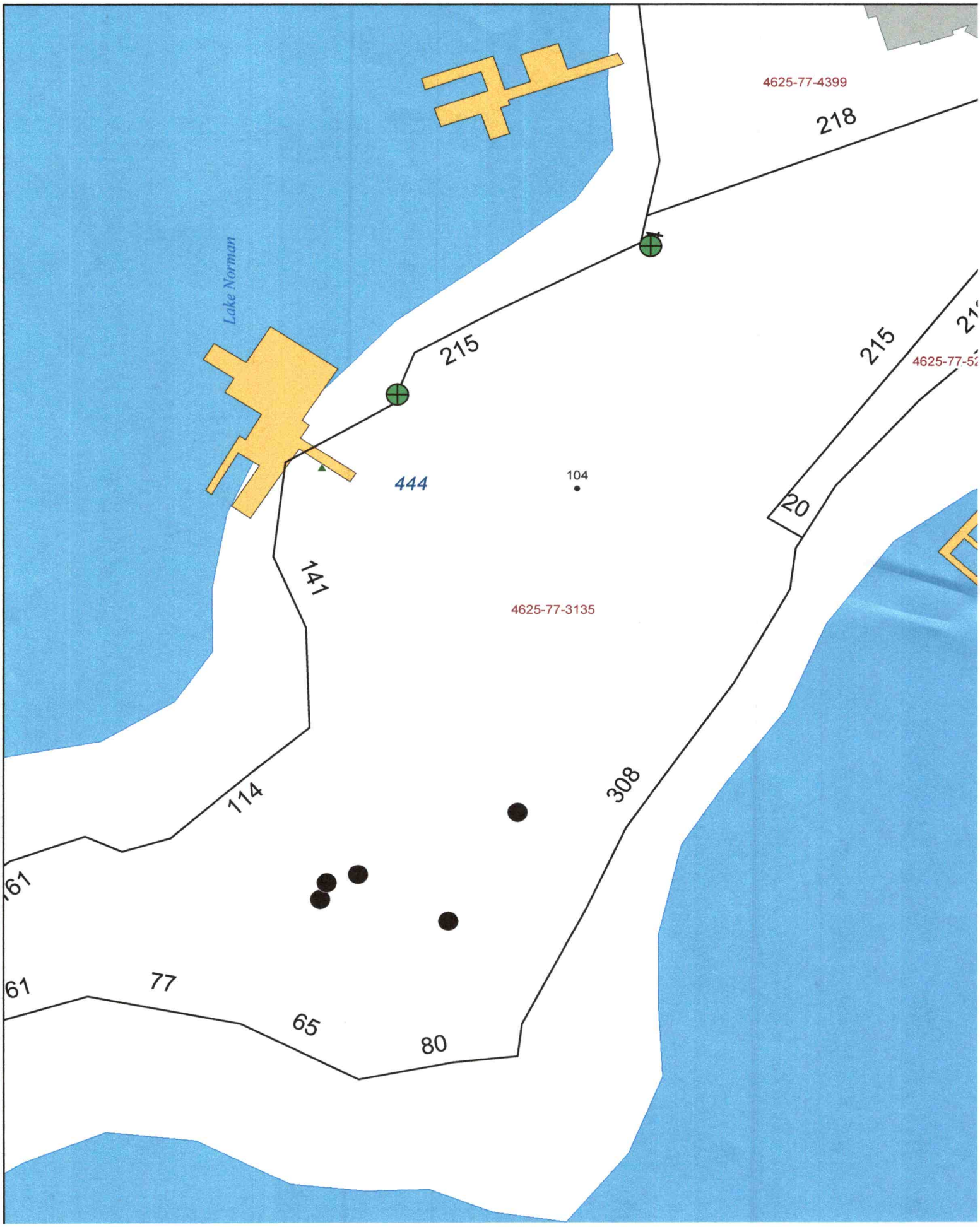
PROJECT
HEAD RESIDENCE
Lot 444 Stonington Dr.
Mooresville, North Carolina

SHEET
A-1

MAIN LEVEL
FLOOR PLAN

SCALE
1/4" = 1'-0"

DRAWN BY
1/13/22


4625-77-4399
218
Lake Norman
215
215
444
104
20
141
4625-77-3135
114
308
61
61
77
65
80