



Improvement Permit for Wastewater Systems
Article II - Chapter 130A of the NC General Statutes
CHATHAM COUNTY PUBLIC HEALTH DEPARTMENT
DIVISION OF ENVIRONMENTAL HEALTH
80 EAST ST., P.O. BOX 130 - PITTSBORO, NC 27312-0130
PHONE 919-542-8208 / FAX 919-542-8288
www.chathamnc.org/environmentalhealth

Expiration Date: MARCH 1, 2029

New

Owner: ELIZABETH BIGGERS
911 Address: TBD NC HWY 87 N, PITTSBORO, NC 27312
Parcel Number: 10785 PARENT – LOT 2
Subdivision Name: N/A
Subdivision Lot: LOT 2

An Improvement Permit is issued to ELIZABETH BIGGERS for a site on a 5.630 acre parcel located at TBD NC HWY 87 N in Chatham County. It is specifically issued for the following facility:

Facility: Single Family Dwelling
Type of Wastewater: Domestic

Number of Bedrooms: 5
Max Number of Occupants: 10

Design Flow: 600 GPD

Application Rate: 0.12 GPD/ft² (see attached K-Sat results)

Initial System Type: V

Trench Product: Aerobic Drip

Tank(s) Size with Risers and Effluent Filter: ST 1,250 Gal PT 1,250 Gal

Nitrification Line: Length: 2500 ft. Width: 2 in. Max Depth: 6 in. on downslope sidewall

*On contour in approved septic area; Sch. 40 PVC required over step-downs.

Repair System Type: TS II Pretreatment Drip

Special Conditions: Engineered designs and plans must be submitted and approved by DHHS prior to issuance of Construction Authorization. Preconstruction meeting required. Drainfield must be covered with at least 6" of soil.

- This permit is valid for five years but is subject to revocation if the site is altered, soil disturbed, setbacks violated, or the plans of intended use are changed.
- A site plan showing specific location of the facility, the site of the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.
- The Improvement Permit shall not be affected by change in ownership.
- A Construction Authorization must be obtained from this office before installation and prior to applying for building permits.
- Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank. Solid PVC with elbows must be used to construct conveyance over dams and step-downs.

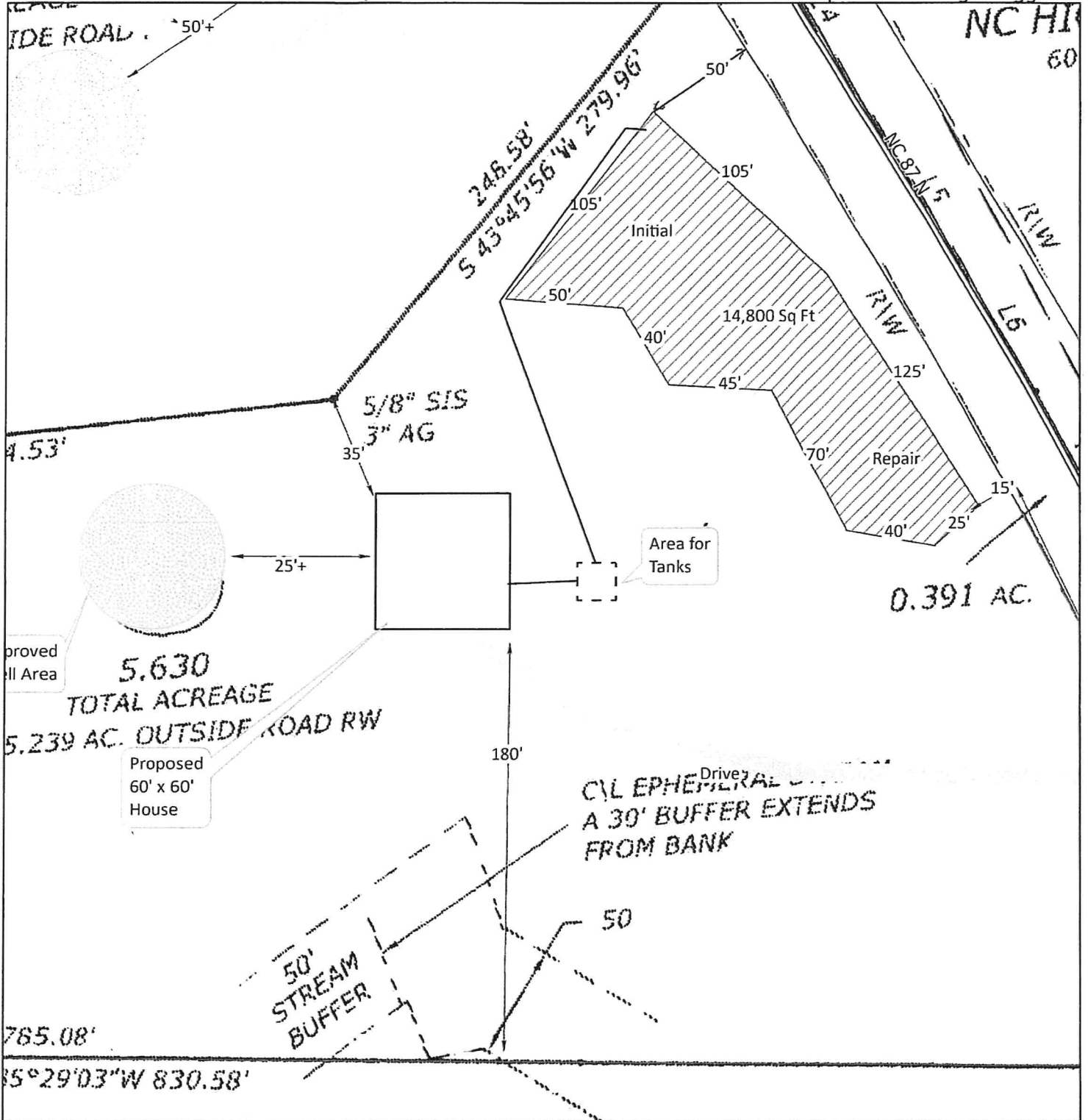
THIS IS NOT AN AUTHORIZATION TO INSTALL.

Issued by: Ray Milosh NC Registration #: 2977 Date: 3/1/2024
Ray Milosh – Registered Environmental Health Specialist

Improvement Permit Site Map 1/2

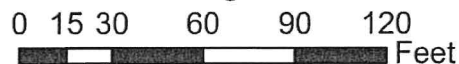
Parcel Number: 10785 Parent - Lot 2

Owner: Kristopher and Margie Biggers



Legend

- Approved Well Area
- Approved System Area
- Road Centerlines
- Parcels



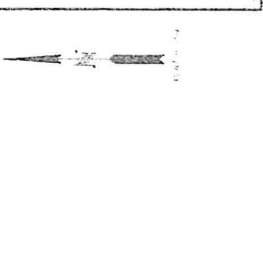
Author: Ray Milob

Date: 3/1/2024

IMPROVEMENT PERMIT SITE MAP 1/2 0785 PARENT LOT 1 AND 2 ELIZABETH BIGGERS

Ray G. Miller
2/29/2024

RECORDING INFORMATION
**KRISTOPHER D.
 MARGIE E. BIGGERS**
 DEED 2122886
 PARTIAL NO. 001895
 PPAY 06/22/06
 ADRIAN S. HAWKINS/JP
 CHILDREN LIBERTY, MI
 DEED 2122886
 SCHEM 1-100
 CONVEYANCE MADE BY THE PARTIES
 KRISTOPHER D. BIGGERS
 MARGIE E. BIGGERS
 10000 W. 10000 N.
 GRAND RAPIDS, MI 49508



20. APPROVAL OF PLAN
 THE BOARD OF HEALTH HAS REVIEWED THE PLAN AND APPROVES THE SAME FOR THE PURPOSES OF THIS ACT.

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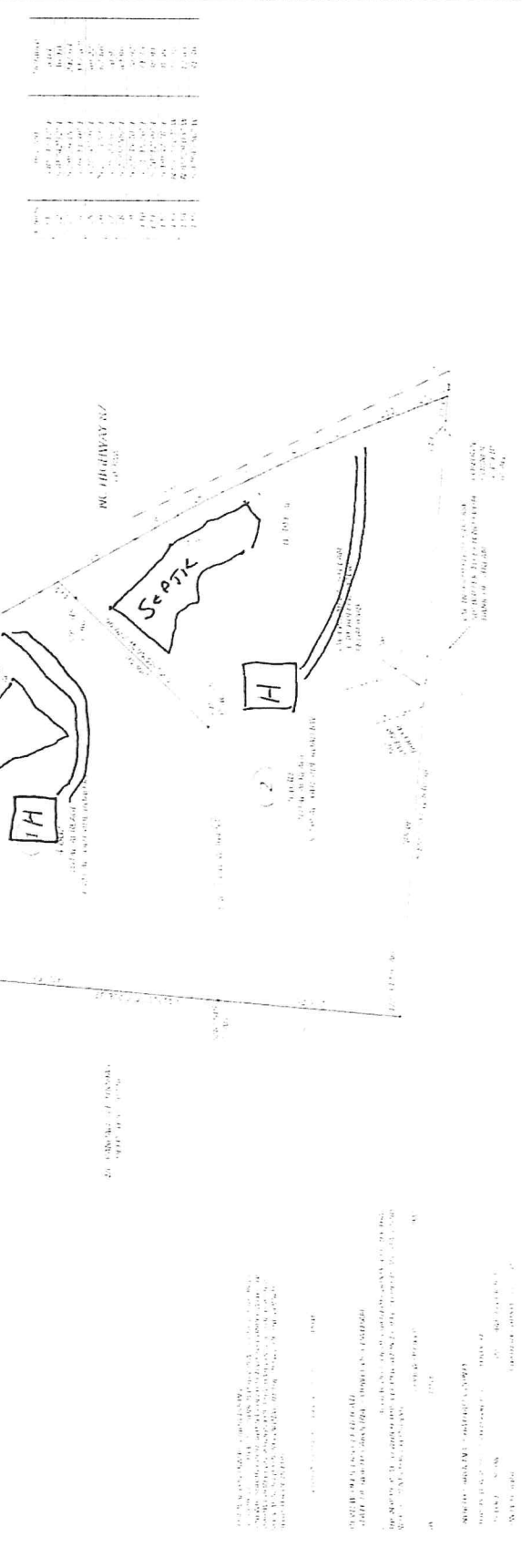
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NOTES:
 1. THE SEPTIC SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE ZONING ORDINANCE AND THE SEPTIC SYSTEM INSTALLATION MANUAL.
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NO.	DESCRIPTION	AREA (SQ. FT.)	PERCENTAGE
1	SEPTIC TANK	100	10.00
2	SEPTIC TANK	100	10.00
3	HOLDING TANK	100	10.00
4	HOLDING TANK	100	10.00
5	DRIVEWAY	100	10.00
6	DRIVEWAY	100	10.00
7	DRIVEWAY	100	10.00
8	DRIVEWAY	100	10.00
9	DRIVEWAY	100	10.00
10	DRIVEWAY	100	10.00
11	DRIVEWAY	100	10.00
12	DRIVEWAY	100	10.00
13	DRIVEWAY	100	10.00
14	DRIVEWAY	100	10.00
15	DRIVEWAY	100	10.00
16	DRIVEWAY	100	10.00
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19	DRIVEWAY	100	10.00
20	DRIVEWAY	100	10.00

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SOIL/SITE EVALUATION
On-Site Wastewater System

Applicant / Landowner: CHRISTOPHER BIGGERS TPN: 10785 Date: 10/10/23
 Sub-Division Name and Lot #: N/A
 Property Address / Road Name: FBD NC HWY 87
 Proposed Facility: SF DWELLING Proposed Design Flow: 600 Property Size: ~5 ACRES
 Water Supply: Well Public Private Other:
 Evaluation Method: Auger Pit Cut Type of Wastewater: Sewage Industrial Mixed

PROFILE #	.1940 LANDSCP POS./ SLOPE %	HORIZON DEPTH (in.)	SOIL MORPHOLOGY		OTHER PROFILE FACTORS			.1948 PROFILE CLASSIFICATION & LTAR		
			.1941(a)(1) & (a)(2) TEXTURE / STRUCTURE	.1941(a)(3) CONSISTENCE / MINEROLOGY	.1942 SOIL WETNESS / COLOR	.1943 / .1956 SOIL DEPTH / SAPROLITE	.1944 RESTRICTIVE HORIZON			
1	LS L2"	0-8	SBK L	VFR	SE	7.5 x R6/2 18"	-	-	PS	1=26
		8-18	SBK CL	VFR	SE					
2	LS L2	0-27	SBK CL	VFR	SE	7.5 x R7/2 27"	-	-	PS 0.4	2=34
3	LS L2	0-14	SBK CL	VFR	SE	7.5 x R8/2 14"	-	-	PS	6=1 7=42 3=35 4=3 5=25
8	LS 2 1/2	0-8	SBK CL	VFR	SE	-	PM	-	PS	
		8-32	SBK SiC	F	SiC					
9	LS 3-5	0-21	SBK CL	VFR	SE	7.5 x R8 1/2 21"	-	-	PS 0.4	9=61
DESCRIPTOR		INITIAL SYSTEM	REPAIR SYSTEM	Other Factors (.1946)						
Available Space (.1945)		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Site Classification (.1948) PS						
System Type		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Evaluated By: RAY MILES						
Site LTAR				Others Present: CHRIS BIGGERS						
Comments:										

NOTES:

- HORIZON DEPTH - In inches below natural soil surface
- SOIL WETNESS/COLOR - Inches below natural soil surface to free water or soil colors with chroma 2 or less; record Munsell color
- SOIL DEPTH - In inches below natural soil surface to rock, saprolite, or parent material
- SAPROLITE CLASS - S (suitable) or U (unsuitable)
- RESTRICTIVE HORIZON - Thickness and depth from land surface
- PROFILE CLASS - S (suitable), PS (provisionally suitable), or U (unsuitable)

LEGEND:

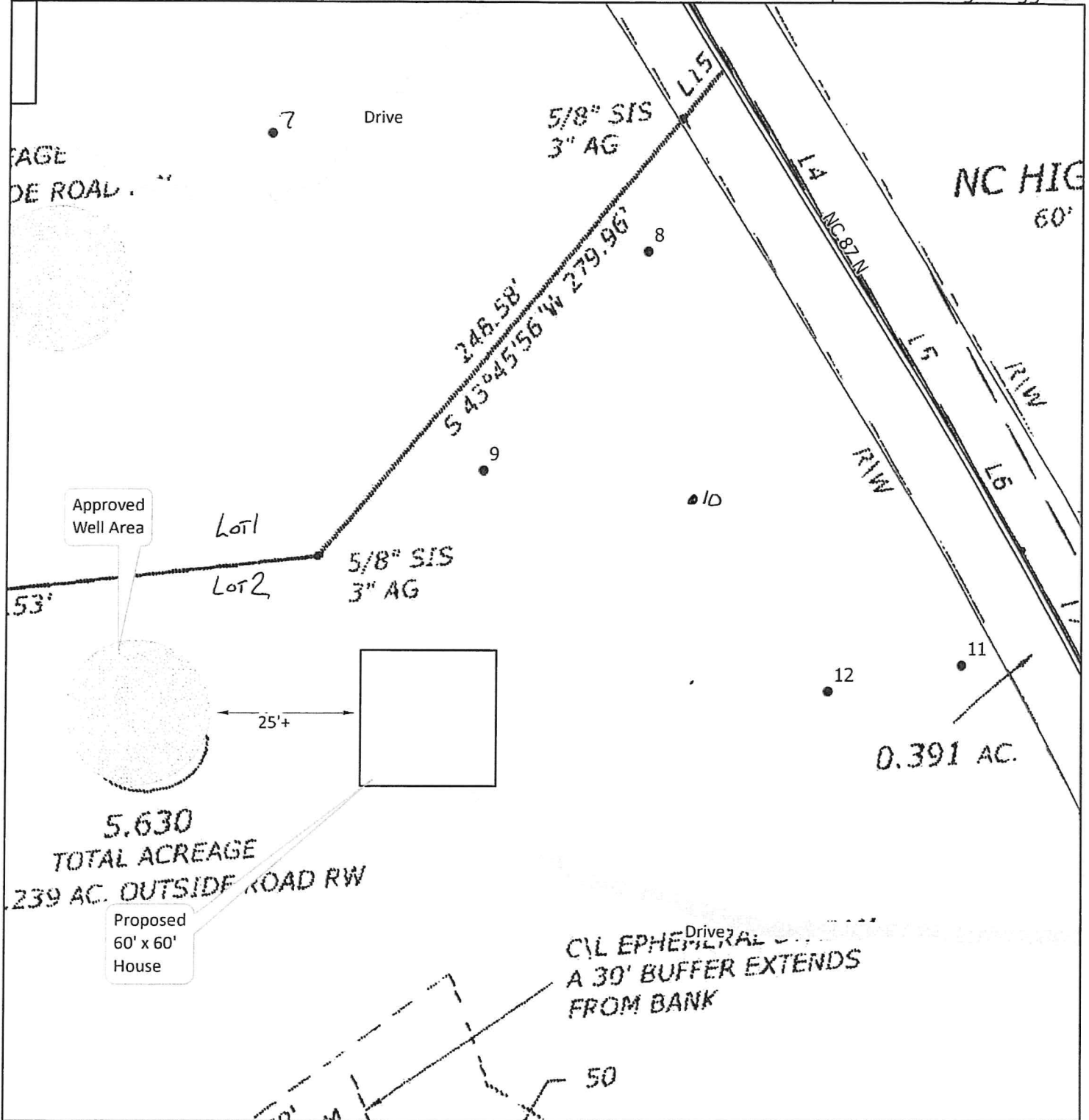
LANDSCAPE POSITION	GROUP	TEXTURE	LTAR		STRUCTURE	WET CONSISTENCE
			CONVENTIONAL .1955	LTAR, LPP .1957		
CC (concave slope)	I (Suitable)	S (Sand)	1.2 - 0.8	0.6 - 0.4	SG (Single Grain) - S	NS (Non-Sticky) - S
CV (convex slope)		LS (Loamy Sand)			M (Massive) - US	SS (Slightly Sticky) - S
D (drainage way)	II (Suitable)	SL (Sandy Loam)	0.3 - 0.6	0.4 - 0.3	CR (Crumb) - S	S (Sticky) - S
DS (debris slump)		L (Loam)			GR (Granular) - S	VS (Very Sticky) - US
FP (flood plain)	III (Prov. Suitable)	Si (Silt)	0.6 - 0.3	0.3 - 0.15	SBK (Subangular Blocky) - S	NP (Non-Plastic) - S
FL (linear slope)		SiCL (Silty Clay Loam)			ABK (Angular Blocky) - S	SP (Slightly Plastic) - S
N (nose slope)	IV (Prov. Suitable)	CL (Clay Loam)	0.4 - 0.1	0.2 - 0.05	PL (Platy) - US	P (Plastic) - S
R (ridge)		SiC (Silty Clay)			PR (Prismatic) - US	VP (Very Plastic) - US
S (shoulder slope)		SC (Sandy Clay)			MINERALOGY	
T (terrace)		SiC (Silty Clay)			VFR (Very Friable) - S	SEXP (Slightly Expansive) - S
		C (Clay)			FR (Friable) - S	EXP (Expansive) - US (VFI, EFI, VS, or VP)
					FI (Firm) - S	
					VFI (Very Firm) - US	
					EFI (Extremely Firm) - US	

SLOPE < 15% - S; 15% - 30% - PS; > 30% - US [30% - 65% reclassify PS if comply with .1956; > 65% US]

Improvement Permit Site Map

Parcel Number: 10785 Parent - Lot 2 *SOIL BORING LOCATIONS*

Owner: Kristopher and Margie Biggers



Legend

- Auger Boring Sites
- ▨ Approved Well Area
- Road Centerlines
- Parcels



Author: Ray Miloh

Date: 3/1/2024

