HS

ICHD - ENVIRONMENTAL HEALTH DIVISION

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

PERMIT # RELAY-2023-14375

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

PIN # 4645-09-7708 ✓

APPLICANT / OWNER: LH WATERFRONT CONSTRUCTION APPLICANT ADDRESS: 631 BRAWLEY SCHOOL RD., MOORESVILLE, NC 28117

SITE ADDRESS: 113 KEATS RD, MOORESVILLE, NC 28117 ✓ PHONE: (704) 995-7912 ALT. PHONE: 7049957912

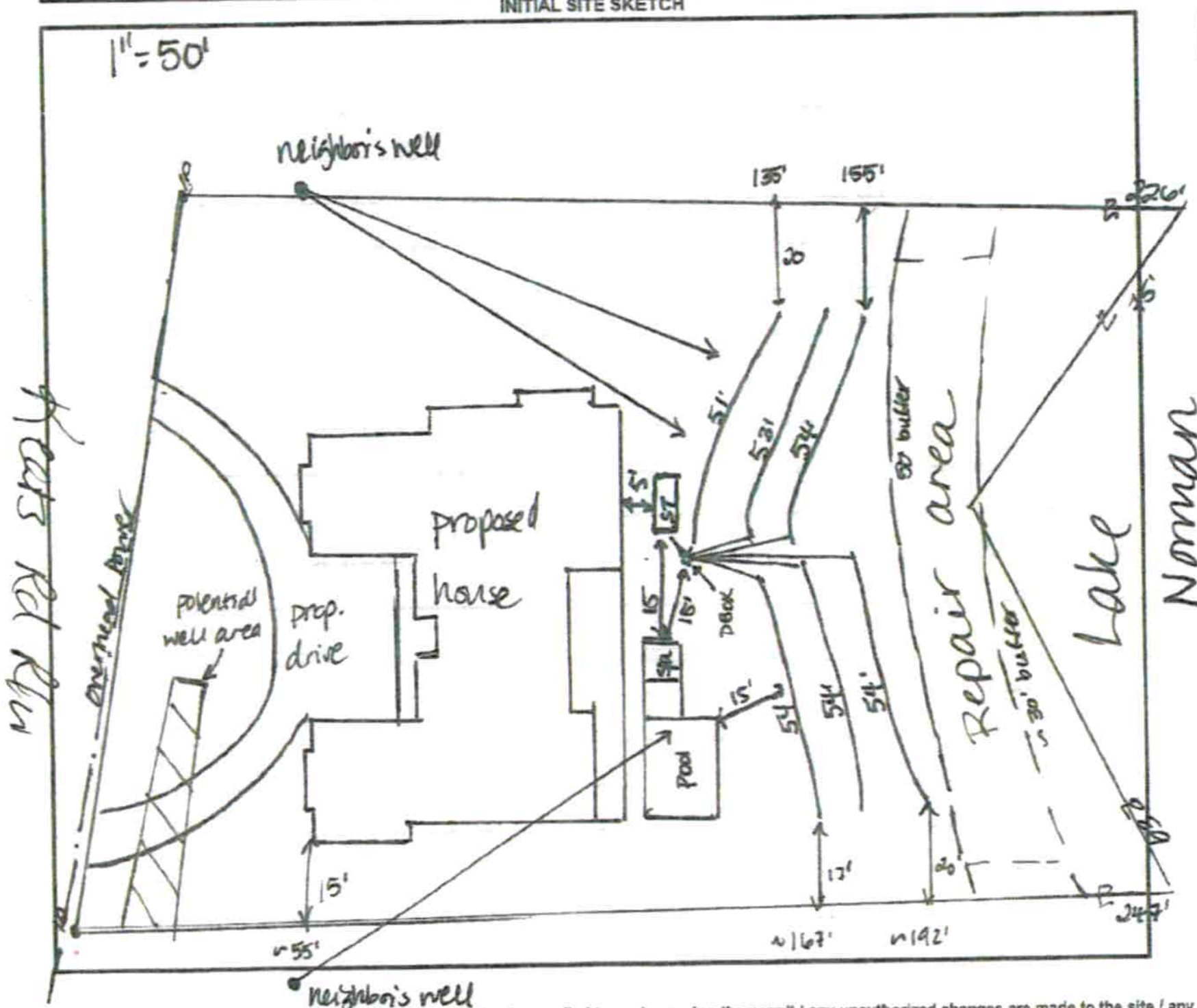
SITE DIRECTIONS: S NC21 to Williamson -> L Alcove -> R Templeton -> R Irish -> L Keats -> lot on R SAP CONTROLLED: YES ☑ NO ☐

SUBDIVISION: RA White Jr ✓ SECTION: LOT #: 9 & 10 ✓ LOT AREA: 0.7 DESIGN FLOW: 480 L.T.A.R.: 0.25

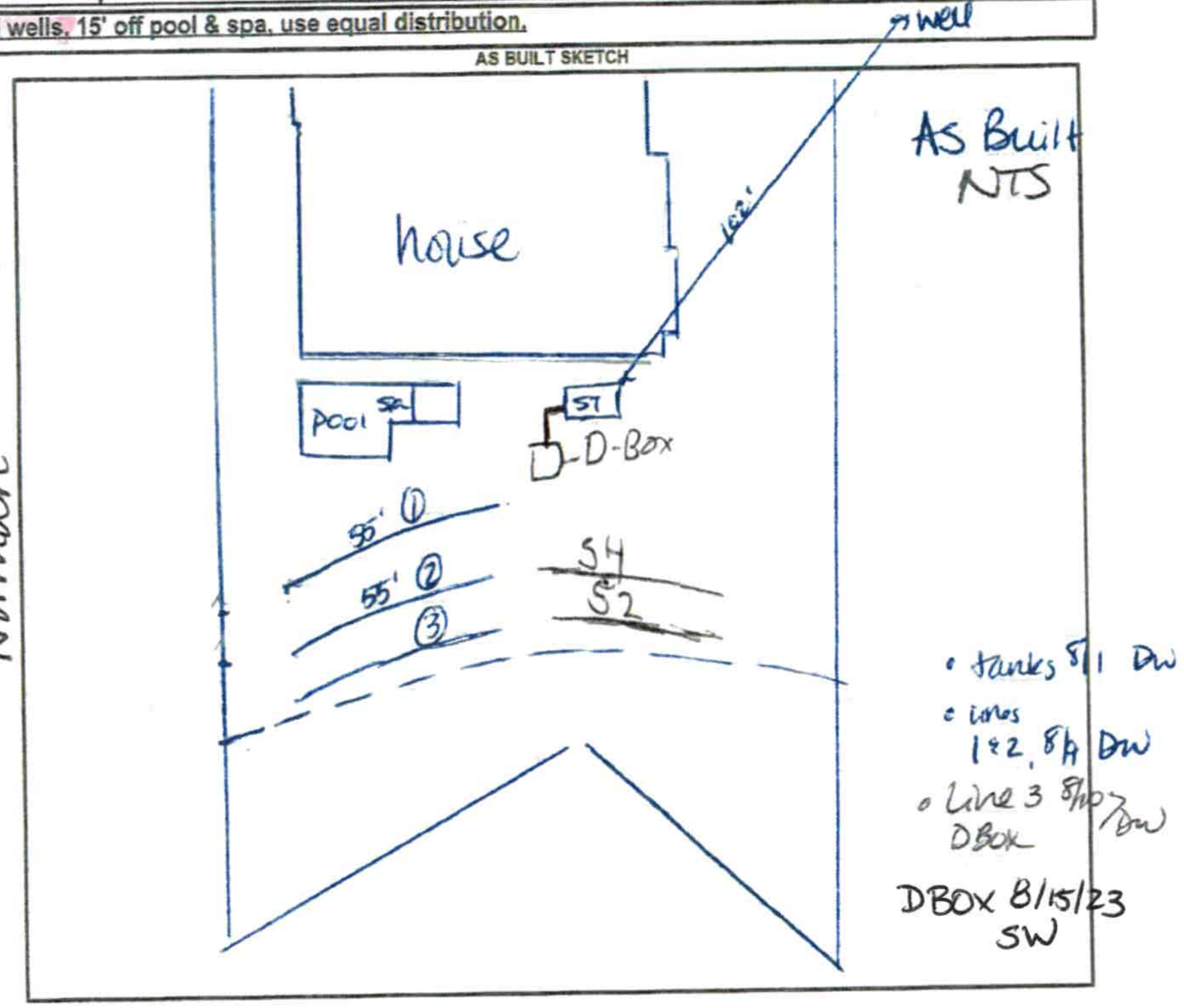
Septic Tank: 1000 (gal)	STB: Infiltrator	Date:	☒ New System ☐ Repair ☐ Expansion	System Type: III	☑ Residence	No. Bedrooms: 4	Water Supply: New Well
Pump Tank: (gal)	PT:	Date:	System Description: VPPBPS		☐ Business	No. Persons: 8	
Pump Make:	Model:	Serial #:	Repair System Description: Exempt - - exempt		☐ Other	No. Employees: 1	
# Nitrification Fields: 1	# Lines: 6	Linear Ft.: 320	Maintenance Agreement Required: ☐ YES ☑ NO		☐ Slab	☑ Crawl Space	
Trench Width: 24	Trench Bottom Depth (Low side): 28		Gravel Depth: 0	☑ GRAVITY ☐ PRESSURE	☐ Basement w/ Plumbing	☐ Basement w/o Plumbing	

Comments / Conditions: Do not grade, pave, park, drive, or bury utilities in drainfield. Stay 100' off all wells, 15' off pool & spa, use equal distribution.

INITIAL SITE SKETCH



AS BUILT SKETCH



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

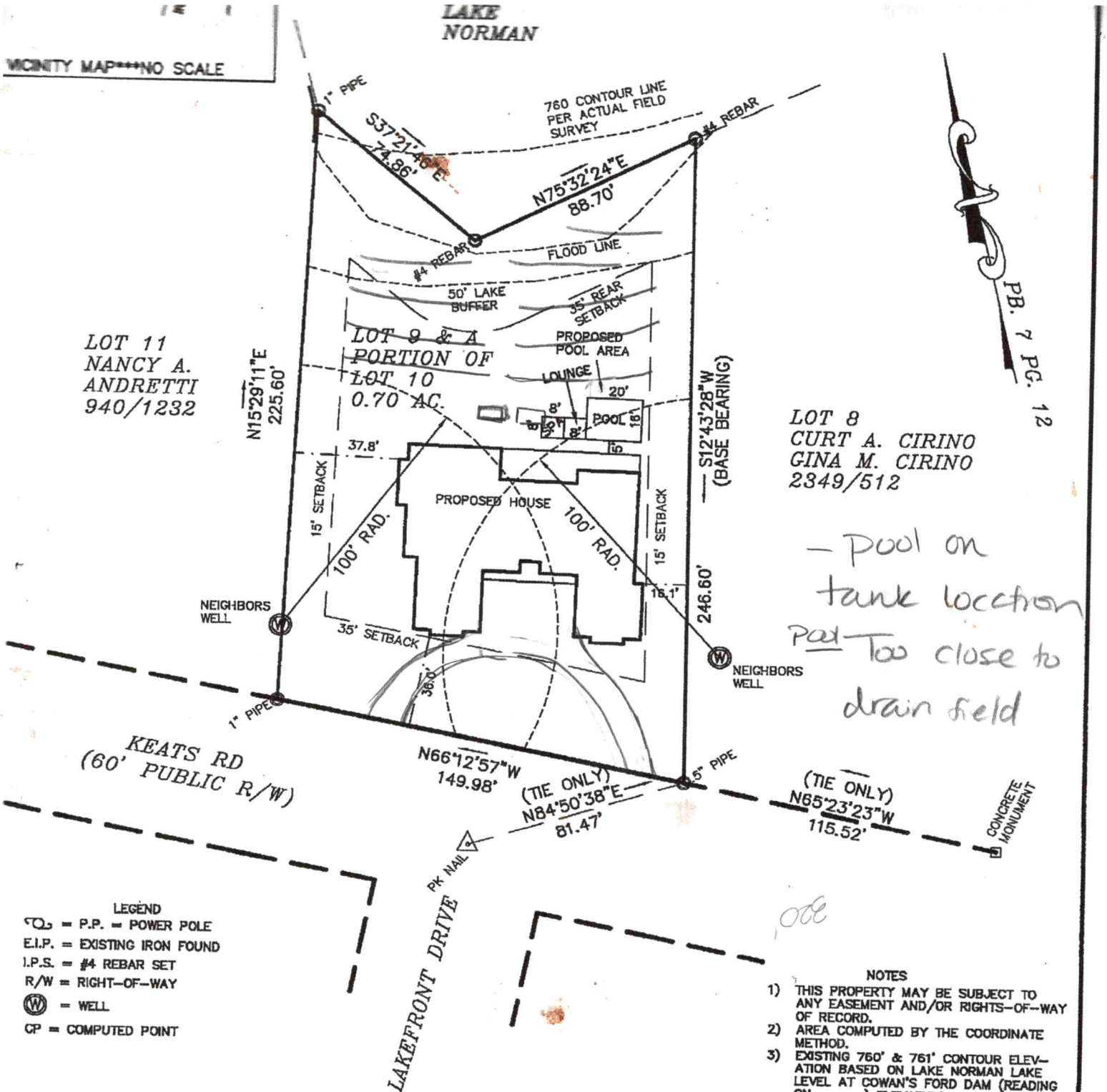
☐ IMPROVEMENT PERMIT with plat valid without expiration. ☑ IMPROVEMENT PERMIT with site plan valid for 60 mos. ☑ AUTHORIZATION TO CONSTRUCT valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.

Owner / Applicant Signature: Date: Installed By: Overdrive

IMPROVEMENT PERMIT by: D. Weber Date: 2/6/23 OPERATION PERMIT by: Sarah Williams Date: 8/15/23

AUTHORIZATION TO CONSTRUCT by: D. Weber Date: 2/6/23 Existing System Inspected By: Date:

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



– Pool on tank location Pool – Too close to drain field

LEGEND

- P.P. = POWER POLE
- E.I.P. = EXISTING IRON FOUND
- I.P.S. = #4 REBAR SET
- R/W = RIGHT-OF-WAY
- (W) = WELL
- CP = COMPUTED POINT

NOTES

1) THIS PROPERTY MAY BE SUBJECT TO ANY EASEMENT AND/OR RIGHTS-OF-WAY OF RECORD.
2) AREA COMPUTED BY THE COORDINATE METHOD.
3) EXISTING 760' & 761' CONTOUR ELEVATION BASED ON LAKE NORMAN LAKE LEVEL AT COWAN'S FORD DAM (READING ON) ELEVATION:
4) UNDERGROUND POWER
5) NO GRID MONUMENT FOUND WITHIN 2000 FEET.

25' 50' 100'
SCALE IN FEET

PLOT PLAN / PROPOSED POOL SURVEY

OF

KEATS RD

LOTS 9 & PT. OF 10 R.A. WHITE JR. PROPERTY

SCALE 1" = 50'

DAVIDSON TWSP., IREDELL CO., N.C.

ACQUIRED BY: LH WATER FRONT COURT

FIELD BOOK:
FILE: RA WHITE 9&PT10
DC FILE:
TAX MAP NO: 4645097708.000

113 Keats

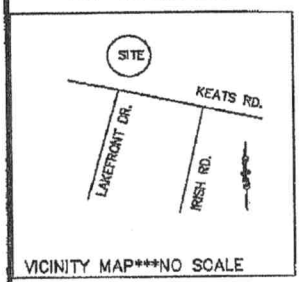
DAS DON ALLEN & ASSOCIATES, P.A.
"Since 1971"
Commercial * Residential * Mortgage Surveys * Multi-Family
Construction Staking * Subdivision Design * Topographical
131 Crosslake Park Drive – Suite 102 * Mooresville * NC * 28117
(704) 664-7029 (704) 664-8041 Fax

I, certify that this map was drawn under my supervision from an actual survey made under my supervision recorded in deed book 2880, page 2411, and/or plat book 7, page 12, that the ratio of precision is 1':10,000, that this map was prepared in accordance with the General Statutes of North Carolina Chapter 89C.

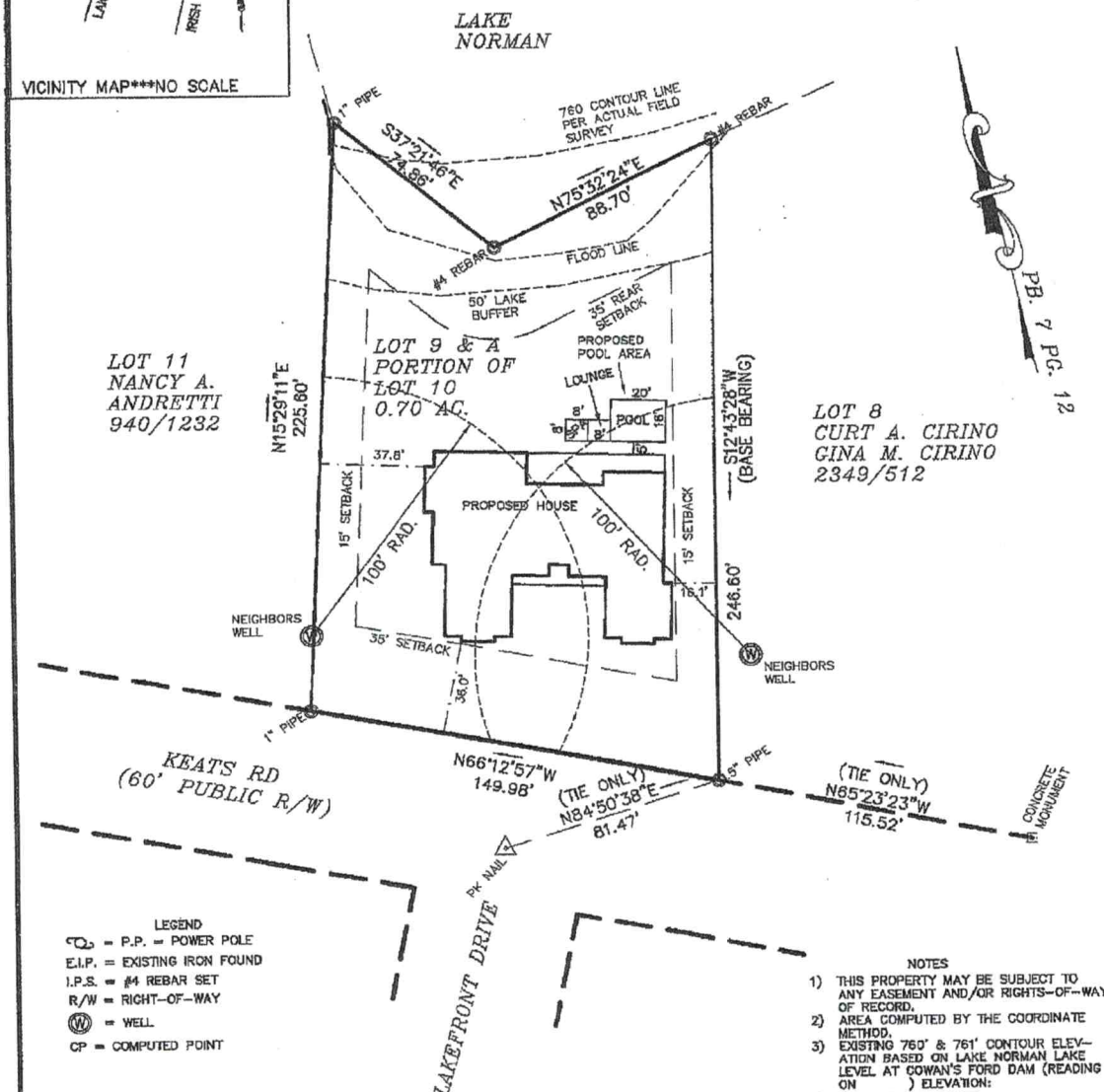
my hand and seal on the 18, day of JANUARY,
A.D. 20 23.

WILLIAM M. ALLEN

NORTH CAROLINA PROFESSIONAL SEAL L-3499 LAND SURVEYOR WILLIAM M. ALLEN



VICINITY MAP***NO SCALE



LEGEND
P.P. = POWER POLE
E.I.P. = EXISTING IRON FOUND
I.P.S. = #4 REBAR SET
R/W = RIGHT-OF-WAY
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NOTES
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4) UNDERGROUND POWER
5) NO GRID MONUMENT FOUND WITHIN 2000 FEET.

0' 25' 50' 100'
SCALE IN FEET

PLOT PLAN / PROPOSED POOL SURVEY

OF
KEATS RD
LOTS 9 & PT. OF 10 R.A. WHITE JR. PROPERTY
DAVIDSON TWSP., IREDELL CO., N.C.
LH WATER FRONT COURT

SCALE 1" = 50'
ACQUIRED BY:

FIELD BOOK:
FILE: RA WHITE 9&PT10
DC FILE:
TAX MAP NO: 4645097708.000

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

846 to 1130

Sheet 1 of 1
PROPERTY ID #: 46459 7708
COUNTY: Fredel

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM
(Complete all fields in full)

Call and ask if the surveyor marked 50' better

OWNER: Linda H Chandler
ADDRESS: 5154 Tilden St NW Washington DC
PROPOSED FACILITY: New Single fam
LOCATION OF SITE: 113 Keats Rd

APPLICATION DATE: 5/22/19
DATE EVALUATED: 6/25/19
PROPOSED DESIGN FLOW (.1949): 480 GPD
PROPERTY SIZE: 0.67
PROPERTY RECORDED: Yes

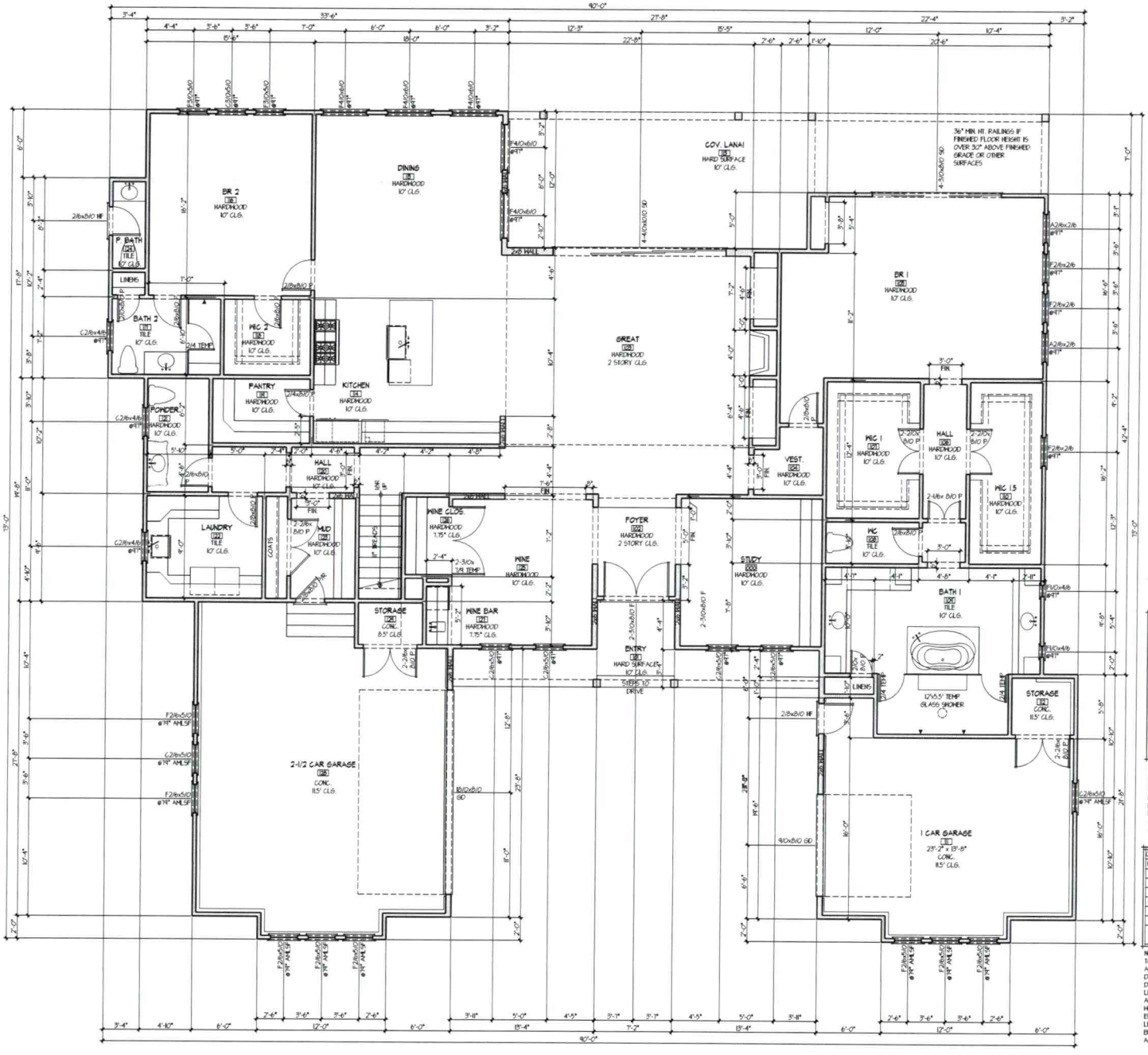
WATER SUPPLY: ☒ Private ☐ Public ☐ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☐ Auger Boring ☒ Pit ☐ Cut
TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

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	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	SS 10%	0-4	SCL WSBk	Fr SSSP Sexp	few YB mottles mixed in throughout	30"	sandy sap at 30"	Rocks scattered through out	PS .25
		4-12	C SBk	Fr SSSP Sexp					
		12-30	CL WSBk	Fr SS SP Sexp					
		30-60	Sandy Sap Mass	Fr SS SP Sexp					
2	SS 10%	0-6	SCL WSBk	Fr SSSP Sexp	—	60"	Litho inclusions starting at 46"	few Rocks scattered throughout	PS .25
		6-28	C SBK/ABK	Fr SS SP Sexp					
		28-60	CL SBK/ABK	Fr SS SP Sexp					
3	SS 11%	0-7	SCL WSBk	Fr SSSP Sexp	few YB mottles scattered throughout	60"	few Litho inclusions starting at 46"	—	PS .25
		7-32	C SBk	Fr SSSP Sexp					
		32-60	CL SBk/ABk	Fr SS SP Sexp					
4	SS 11%	0-6	SCL WSBk	Fr SS SP Sexp	—	26"	L Sap at 26"	water starting to leak in bottom	PS .25
		6-12	C SBk	Fr SSSP Sexp					
		12-26	CL SBk	Fr SSSP Sexp					
		26-60	Lay moist	Fr SSSP Sexp					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	480	
System Type(s)	25% Reduction	
Site LTAR	.25	Repair exempt

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____
EVALUATED BY: Patrick SB
OTHER(S) PRESENT: _____

COMMENTS: _____



NOTES

1. VERIFY ALL EXISTING SITE CONDITIONS.
2. ALL EXTERIOR DIMENSIONS ARE FROM THE FACE OF SHEATHING (NOMINALLY 1/2"). ALL INTERIOR DIMENSIONS ARE FROM FACE OF INTERIOR STUD OR MIDDLE OF STUD UNO.
   2.1. ALL DIMENSIONS ARE TO BE VERIFIED BY THE CONTRACTOR PRIOR TO START OF CONSTRUCTION.
3. ALL DOORS ARE 6" FROM WALLS OR ON CENTER UNLESS NOTED OTHERWISE (UNO).
4. CONFIRM ALL DOOR & WINDOW HEIGHTS WITH OWNER.
5. REVIEW W/OWNER ALL OTHER M/E/P ITEMS THAT MAY BE REQUIRED.
6. STRUCTURAL ENGINEERING TO BE PROVIDED BY OTHERS.
7. ALL CONSTRUCTION TO BE BY THE 2018 NORTH CAROLINA RESIDENTIAL BUILDING CODE.

Square Footage

12/21/2022

MAIN LEVEL HEATED	3,514 Sq.Ft.
UPPER LEVEL HEATED	2,020 Sq.Ft.
TOTAL HEATED	5,534 Sq.Ft.
GARAGES	1,071 Sq.Ft.
COVERED ENTRY	144 Sq.Ft.
MAIN LVL. COVERED TERRACES	632 Sq.Ft.
UPPER COVERED TERRACES	468 Sq.Ft.
STORAGE/UTILITY	54 Sq.Ft.
TOTAL UNDER ROOF	7,163 Sq.Ft.

DOOR LEGEND

QTY	SIZE (FEET/INCHES)	DOOR TYPE
#	-2/8x8/0	P (PANEL)
		F (FRENCH-FULL GLAZED LITE)
		HF (FRENCH-HALF GLAZED LITE)
		FF (FIXED FRENCH)
		R (RATED)
		WA (WEATHER STRIP-OTHER THAN EXTERIOR)
		BF (BI-FOLD)
		PK (POCKET)
		S (SLIDER)
		OH (OVERHEAD)
		HT (HIGH TOP)
		SL (SIDE LIGHT)
		T (TRANSOM)

NOTE: NOMINAL HEAD JAMB HEIGHTS SHOWN ARE FOR TYPICAL APPLICATIONS AS A POINT OF REFERANCE. THE BUILDER IS TO ADJUST FOR DIFFERENT TRADE PREFERANCES, PRACTICES AND MANUFACTURER SIZES. ALL DIMENSIONS ARE IN INCHES ABOVE SUB-FLOOR AND MAY DESIGNATE FROM A DIFFERENT LEVEL NOTED AS ML-MAIN LEVEL, ETC.. OTHER WISE IS FROM THE HIGHEST, MOST ADJACENT RISER, LANDING OR SUB-FLOOR. BUILDER TO ADJUST DIMENSIONS FOR ACTUAL CONDITIONS.

WINDOW LEGEND

QTY	WINDOW TYPE	SIZE (FEET/INCHES)
#	C (CASEMENT)	2/4x5/0
	DH (DOUBLE HUNG)	
	F (FIXED)	
	A (AWNING)	
	S (SLIDING)	
	T (TRANSOM)	
	HT (HIGH TOP)	
	ASP (SPECIAL-SEE ELEVATION OR DETAIL ELSEWHERE)	

NOTE: NOMINAL TOP SASH HEIGHTS SHOWN ARE ESTIMATED TO MATCH DOOR HEAD JAMB HEIGHTS FOR TYPICAL APPLICATIONS IN ALIGNING SIMILAR TRIM WORK. ALL DIMENSIONS ARE IN INCHES ABOVE SUB-FLOOR AND MAY DESIGNATE FROM A DIFFERENT LEVEL NOTED AS ML-MAIN LEVEL, ETC.. OTHERWISE IT IS FROM THE HIGHEST, MOST ADJACENT RISER, LANDING OR SUB-FLOOR. STACKED WINDOWS WILL BE LISTED BY THE BOTTOM MOST FIRST AND EITHER THE WINDOWS ABOVE NEXT, OR SHOWN ON THE NEXT LEVEL UP. WINDOWS SIZES ARE NOMINAL IN FEET/INCHES. BUILDER IS RESPONSIBLE TO REVIEW MANUFACTURER'S ACTUAL SIZES AND CODE COMPLIANCE.

DRAWING: MAIN LEVEL FLOOR PLAN

1 OF 5

SCALE: 1/4" = 1'-0"

A New Residence By

LH Waterfront Construction, LLC

Lot 9 · RA White Jr
113 Keats Road · Mooresville, NC

Issue Date:
FINAL v1
December 23, 2022

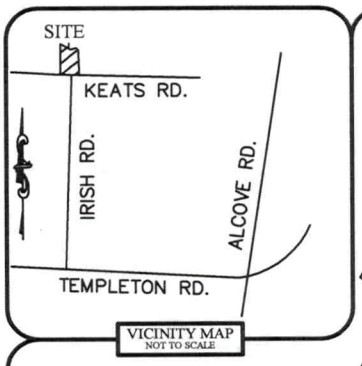
LH Waterfront Construction, LLC
631 Brawley School Rd - # 300-164
Mooresville, NC 28117
(704) 995-7912

PRELIMINARY

NOT FOR RECORDATION, SALES OR CONVEYANCE.

JUSTIN R. WILLIAMS, P.L.S.
18335 OLD STATESVILLE ROAD
SUITE A
CORNELIUS, N.C. 28031
(704) 765-5134

NORTH CAROLINA PROFESSIONAL SEAL L-4942 LAND SURVEYOR JUSTIN R. WILLIAMS



NORTH PER MAP BOOK 7, PAGE 12

ADJOINER'S DOCK

PIER PROJECTION LINE (10' BUFFER EXIST EACH SIDE OF PROJECTION LINE)

PIER PROJECTION LINE (10' BUFFER EXIST EACH SIDE OF PROJECTION LINE)

LAKE NORMAN

ADJOINER'S SEA WALL IS OFF LINE

ADJOINER'S WOOD FENCES ARE OFF LINE

50' LAKE BUFFER FROM THE 760' CONTOUR

35' SETBACK

15' SIDE SETBACK

15' SIDE SETBACK

LOT 9 & PART OF 10

4645-09-5874
JOHN A. ANDRETTI
NANCY A. ANDRETTI
DB. 940, PG.1232

4645-09-8754
CURT A. CIRINO
GINA M. CIRINO
DB.2349, PG. 512

32.0'

16.0'

ADJOINER'S DRIVEWAY & WELL ARE OFF LINE

PROPOSED FOUNDATION

WELL

(TIE ONLY)

35' FRONT SETBACK

Neighbors well

(TIE ONLY)

KEATS ROAD
60' PUBLIC R/W
(MB.7, PG. 12) 19' EP TO EP

EDGE OF PAVEMENT

12" RCP INVERT: 774.18'

TBM MAGNAIL 780.25'

12" CONC. PIPE INVERT: 781.32'

NOTES:

1. NO NCGS MONUMENT FOUND WITHIN 2000'.
2. VERTICAL DATUM BASED ON THE LAKE LEVEL @ NAVD 29. WATER LEVEL AT TIME OF SURVEY 757.15'
3. PROPERTY MAY BE SUBJECT TO OTHER COVENANTS, RESTRICTIONS, EASEMENTS OR RIGHTS-OF-WAY THAT MAY BE OF RECORD.
4. SETBACKS SHOWN ARE PER IREDELL COUNTY'S CURRENT R-20 ZONING.
5. CONSULT WITH GOVERNING AGENCY FOR PREVAILING LAND DEVELOPMENT AND ZONING REQUIREMENTS PRIOR TO DESIGN OR CONSTRUCTION OF ANY IMPROVEMENTS.

LEGEND:

- 1" IRON PIPE FOUND
- #4 REBAR FOUND
- MAG NAIL FOUND
- UTILITY POLE
- SUBJECT PROPERTY LINE
- ADJOINER PROPERTY LINE
- BUILDING SETBACK
- PIER PROJECTION LINE
- FENCE LINE
- STORM PIPE
- OVERHEAD UTILITIES

Graphic Scale

50 25 0 50