ICHD - ENVIRONMENTAL HEALTH DIVISION

PUD

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

PERMIT # AP 314469

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

PIN # 4636 22 2970

APPLICANT/OWNER: Lauren & Cory Jarvis | APPLICANT ADDRESS: 117 Rockridge Point Dr Mooresville, NC

SITE ADDRESS: 117 Rockridge Point Dr Mooresville, NC | PHONE: 256 490-8384 | ALT. PHONE

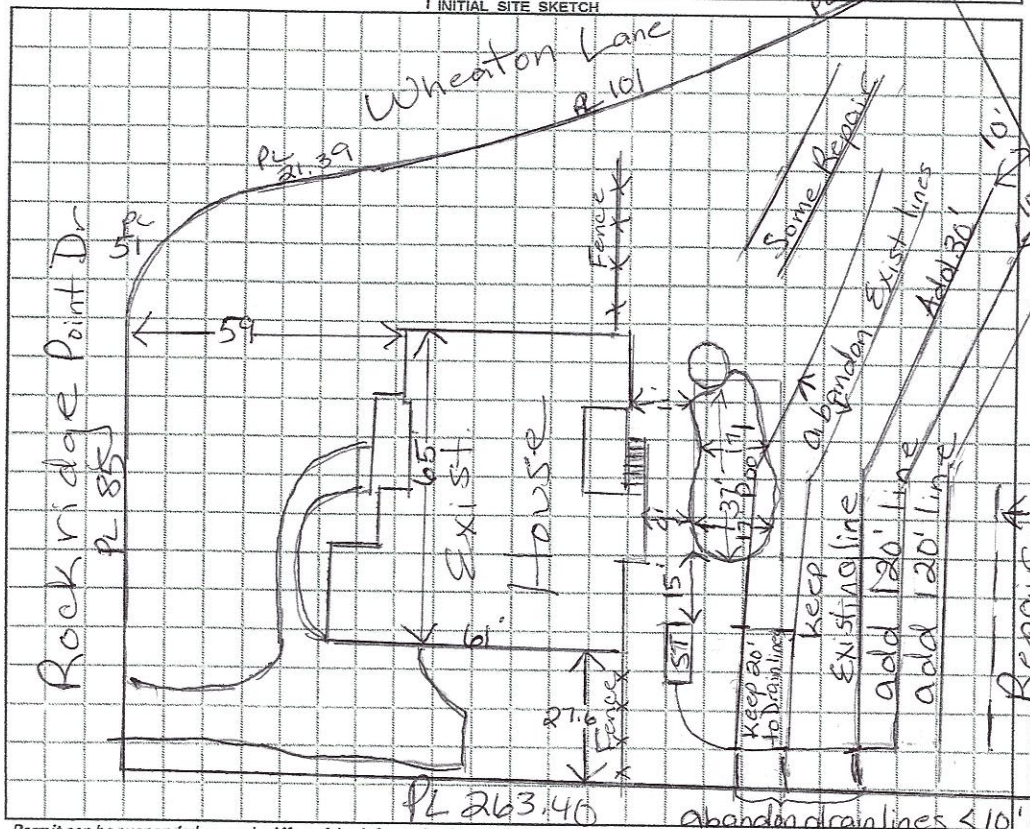
SITE DIRECTIONS: Brawley School Rd TL Isle of Pines TR Rockridge Pt (Intersection w/ Wheaton) | SAP CONTROLLED: [X] YES [ ] NO

SUBDIVISION: Rock Ridge Pt. | SECTION: - | LOT # 12 J | LOT AREA: .72 Ac | DESIGN FLOW: 480 gpd | L.T.A.R.: .3

Septic Tank	Exist	(gal)	STB	Date	[X] New System	[ ] Repair	[ ] Expansion	System Type: I II (III) IV V VI	[X] Residence	No. Bedrooms	4	Water Supply
Pump Tank		(gal)	PT	Date	System Description:	Gravity - 25% Reduction			[ ] Business	No. Persons	8	[ ] Private
Pump Make		Model		Serial #	Repair System Description:	50% Reduction			[ ] Other	No. Employees		[ ] Public
# Nitrification Fields	1	# Lines	3	Linear Ft	270' exist	Maintenance Agreement Required:	[ ] YES	[X] NO	[ ] Slab	[X] Crawl Space		[X] Community
Trench Width	36"	Trench Bottom Depth (Low side) max	36"	Gravel Depth	N/A		[X] GRAVITY	[ ] PRESSURE	[ ] Basement w/ plumbing			[ ] Basement w/o plumbing

Comments / Conditions: (1) Abandon existing drain lines that are to close to PL (keep 10ft from PL) (2) Keep 20ft of upper 2 drainlines abandon drainlines ≤ 15 to pool cut. (3) Add 30' to end of existing lower drain line (4) Install 2 new drain lines below existing drainfield @ 120 eq. Pool Size 36'9" X 17'

INITIAL SITE SKETCH



AS BUILT SKETCH

FOR SEPTIC FINAL INSPECTION CALL: 704-664-3703 between 8am-9am the day the inspection is needed. Be sure to speak with an inspector to confirm your time.

Scale 1:40

Lines Installed As Shown

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.* [X] IMPROVEMENT PERMIT *with site plan valid for 60 mos.* [X] AUTHORIZATION TO CONSTRUCT *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: [signature] Date: 4/20/21

IMPROVEMENT PERMIT by: Maria Dotson Date: 4/17/21

AUTHORIZATION TO CONSTRUCT by: Maria Dotson Date: 4/17/21

Installed by: Waste Management

OPERATION PERMIT by: James Boggs (as) Date: 4-27-21

Existing System Inspected by: Date:

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

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	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.

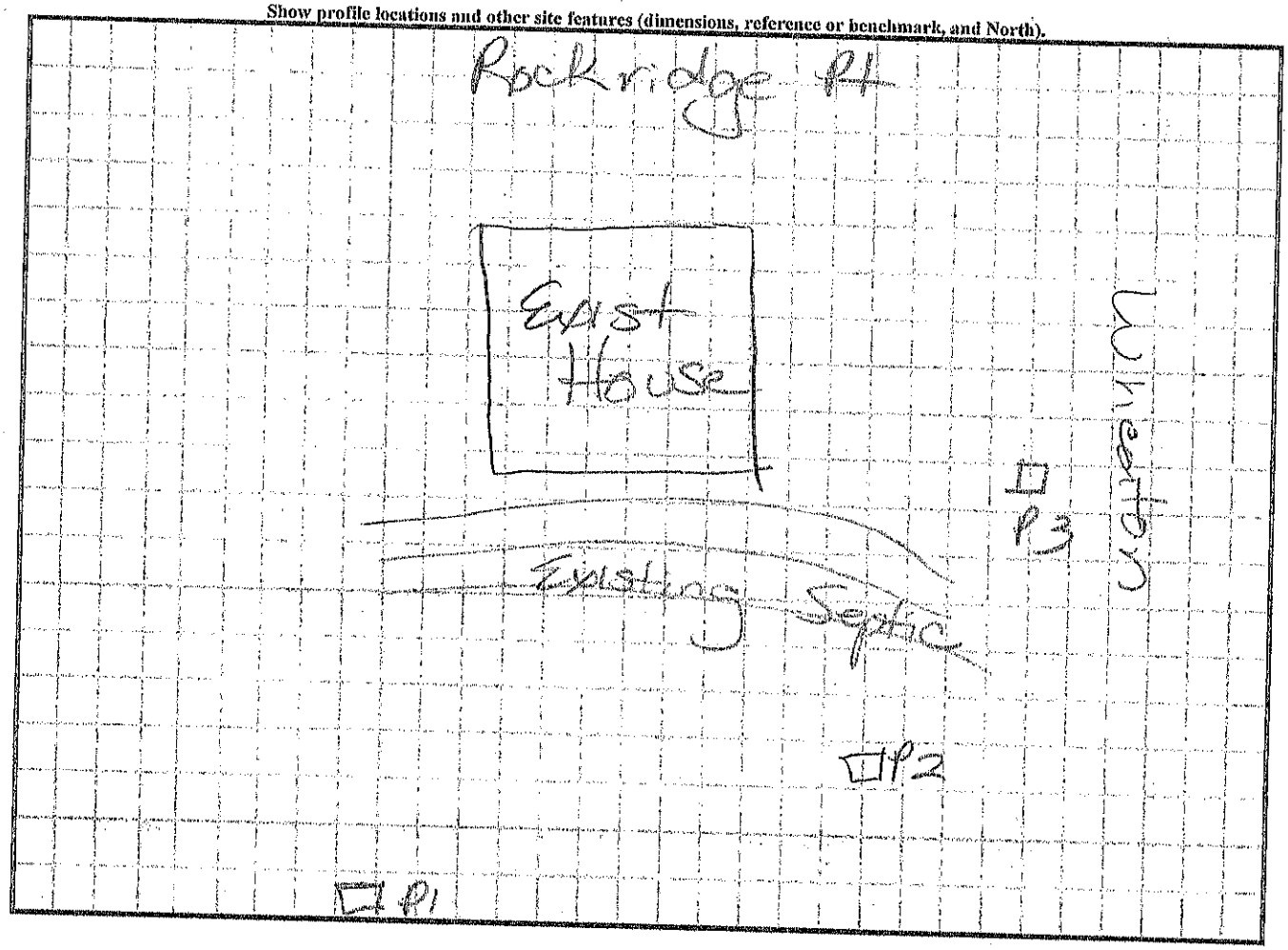
NOTES

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).



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

Sheet ___ of ___
PROPERTY ID #1636223
COUNTY: Iredell

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

OWNER: Lauren Jarvis
ADDRESS: 117 Rockridge Pl Mooresville, NC
PROPOSED FACILITY: House
PROPOSED DESIGN FLOW (.1949): 480 gpd
LOCATION OF SITE: Rock Ridge Pl Lot #12
APPLICATION DATE: 9/30/20
DATE EVALUATED: 4/12/21
PROPERTY SIZE: .72 Ac
PROPERTY RECORDED: ___
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	15%	0-6	Brw SCL	w SBK SS, SP, SExP, FR					PS
		6-24	RC/CL	m-w SBK SS, SP, SExP, FI-FR					
		24-42	RCL	w SBK SS, SP, SExP, FI-FR					
		42-56	RCL	w SBK SS, SP, SExP, FR		56"	—	—	.325
			Lw/ few to many SAP Inclus						
2	10%	0-7	Brw SCL	w SBK SS, SP, SExP, FR					PS
		7-16	Rd/Brw CL	m-w SBK SS, SP, SExP, FR					
		16-24	RCL	w SBK SS, SP, SExP, FR					
			w/ few to many SAP Inclus				PS	—	.325
		24-60	L/SL SAP	massive, FR	—	24"			
3	7%	0-7	Brw SCL	w SBK SS, SP SExP					PS
		7-24	RCL	m-w SBK SS, SP, SExP, FR					
		24-42	RCL	w SBK SS, SP, SExP, FR					
			w/ SAP Inclus		—	42	PS	—	.325
		42-56	L/SL SAP	massive, FR					
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	25% Red	PRPBPS
Site LTAR	.325	.325

OTHER FACTORS (.1946): ___
SITE CLASSIFICATION (.1948): ___
EVALUATED BY: Maria Dotson
OTHER(S) PRESENT: ___
COMMENTS: ___

RECEIVED FEB 10 2021 3/19/21 Waiting on Pts

APPLICATION MUST BE FILLED OUT COMPLETELY & BE LEGIBLE OR IT WILL NOT BE PROCESSED

Iredell County Health Department – Environmental Health Division

PAGE 1: *APPLICATION FORM*

AP-3144169 $500.00

Application For:
( ) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
(X) Septic Improvement Permit ( ) Authorization to Construct ( ) Existing System Inspection ( ) Septic System Repair

THE ABOVE PERMIT DOCUMENTS WILL BECOME INVALID IF INFORMATION PROVIDED ON THIS APPLICATION IS FALSIFIED OR CHANGED, OR IF THE SITE IS ALTERED. THE IMPROVEMENT PERMIT IS VALID FOR EITHER 60 MONTHS OR WITHOUT EXPIRATION DEPENDING UPON DOCUMENTATION SUBMITTED. APPLICATION WITH SITE PLAN 60 MONTHS, APPLICATION WITH COMPLETE, SCALED PLAT WITHOUT EXPIRATION. SEE 15A NCAC 18A .1937(f) FOR DETAILS.

Page 2: *Site Plan Worksheet* form MUST accompany this application

The following optional attachments may also be submitted: ( ) Survey Plat, scaled no more than 1 inch = 60 feet
Place an (X) beside whichever is submitted if applicable ( ) Custom Site Plan, scaled no more than 1 inch = 60 feet

Applicant Information: (PRINT CLEARLY)

Applicant Name: Lauren Jarvis Address: 117 Rockridge Point Dr. Zip: 28117
Applicant Email: lauren.r.anderso@gmail. Phone: 256-490-8384 Alt. Phone: _____
Owner Name: Lauren Jarvis Address: " Zip: _____
Owner Email: " Phone: " Alt. Phone: _____

Property Information:

Street Address: 117 Rockridge Point Dr, Mooresville, NC 28117
Subdivision Name: Rockridge Point Section/Phase: _____ Lot Number: 12
Driving Directions: Turn right off of Isle of Pines onto Rockridge Point Drive and the house is on the left on the corner past Wheaton Lane

Site Development Information: *(check or complete ALL that apply*

( ) New Single Family Residence
( ) New Multi-Family Residence
( ) Accessory Building
( ) Bedroom(s) Addition
( ) Repair to failing septic system ___ Tank ___ Drain lines Describe Problem: System installed off property

Maximum Number of Bedrooms: 4
Maximum Number of Occupants: 8
(X) Swimming Pool
( ) Other Addition/Structure: _____

CHECK FOUNDATION TYPE
(X) Crawl Space Foundation
( ) Concrete Slab Foundation
( ) Basement with Plumbing
( ) Basement without Plumbing

Non-Residential Site Development: Type of Business: _____
Square Footage of Building: _____ Max. Number of Employees: _____ Max. Number of Seats/Beds/Other: _____

Water Supply: ( ) Replacement Well – Reason: _____
( ) Multi-connection Well Number of Houses: _____ Number of Persons: _____
( ) New Well ( ) Existing Well (X) Community Well ( ) City Water ( ) Other Public Water

Desired Septic System Type: *(you may rank in order of preference)* Year existing system installed: 2016
(X) No Preference ( ) Alternative ( ) Conventional ( ) Innovative ( ) Modified Conventional ( ) Other: _____

Please answer the following to the best of your ability:
( ) Yes (X) No Does the site contain any jurisdictional wetlands?
( ) Yes (X) No Is any non-domestic sewage (i.e. industrial) to be generated?
( ) Yes (X) No Is the site subject to approval by any other public agency?

I have read this application and certify that the information provided herein is true, complete, and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed.

Signature: _____ 9/30/20
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

IREDELL COUNTY HEALTH DEPARTMENT *ENVIRONMENTAL HEALTH DIVISION:*

SITE PLAN WORKSHEET

SEE THE "SAMPLE SITE PLAN" BELOW. ***INCOMPLETE SITE PLANS WILL BE RETURNED TO YOU FOR COMPLETION AND MAY RESULT IN A DELAY IN THE ISSUANCE OF YOUR SEPTIC SYSTEM PERMIT!!!***

Place an (X) beside each item as you complete the site plan:

X Property Line measurements are clearly identified... **X All proposed structures are indicated...**

SHOW: proposed house or business footprint, wells, water lines, patios, pools and decks, and any other item that will occupy space on the site

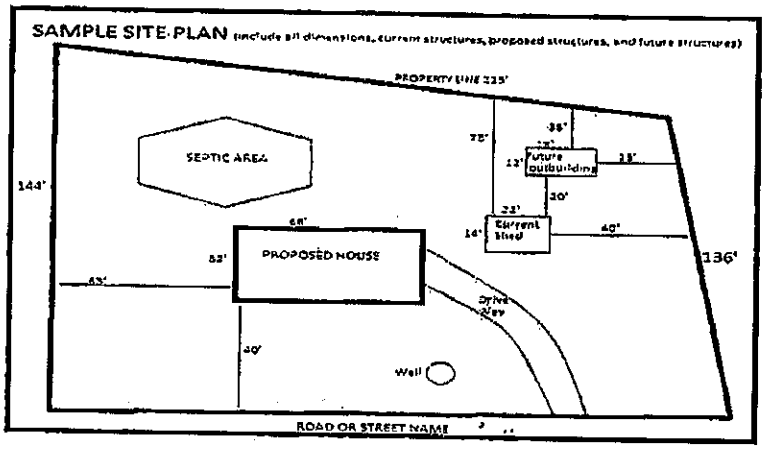
____ Front and side setbacks from property line... **____ Preferred driveway location and configuration, preferred well location...**

X Area you prefer your septic system to be placed... **____ North arrow, or other sufficient indicator of direction...**

Circle N/A on the following if appropriate:

____ Location of septic systems and wells within 100' of your property... N/A

____ Location of easements and rights of ways on your property... N/A **____ Location of any designated wetlands on the property... N/A**



USE THIS SPACE TO DRAW YOUR SITE PLAN

See attached site plan

Signature: Lauren Jones

REQUIRED property owner or owner's legal representative signature.

1/26/2020

DATE

NOTES:
1. APPARENT SOURCE OF TITLE:
DB 2259 PG 1537 & MB 60 PG 73 (IREDELL COUNTY REGISTER OF DEEDS) PID# 4636222970

2. AREA CALCULATED BY COORDINATE GEOMETRY METHOD.
TOTAL LOT AREA 31,516 sqft/0.723 acres.

3. SUBJECT TO THE TOWN OF MOORESVILLE ZONING REGULATIONS

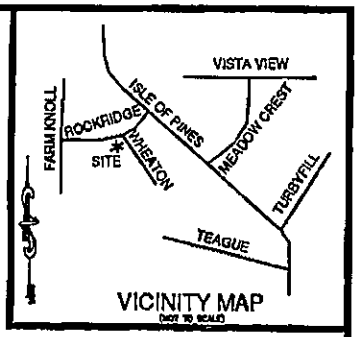
FRONT SETBACK	35'
SIDE SETBACK	15'
REAR SETBACK	35'
STREET SIDE	25'

4. THIS PARCEL MAY BE SUBJECT TO EASEMENTS AND/OR R/WS EITHER RECORDED OR IMPLIED. A FULL AND COMPLETE TITLE SEARCH WAS NOT PERFORMED FOR THIS SURVEY.

5. ALL SET PROPERTY CORNERS ARE #5 REBARS UNLESS OTHERWISE NOTED.

LEGEND

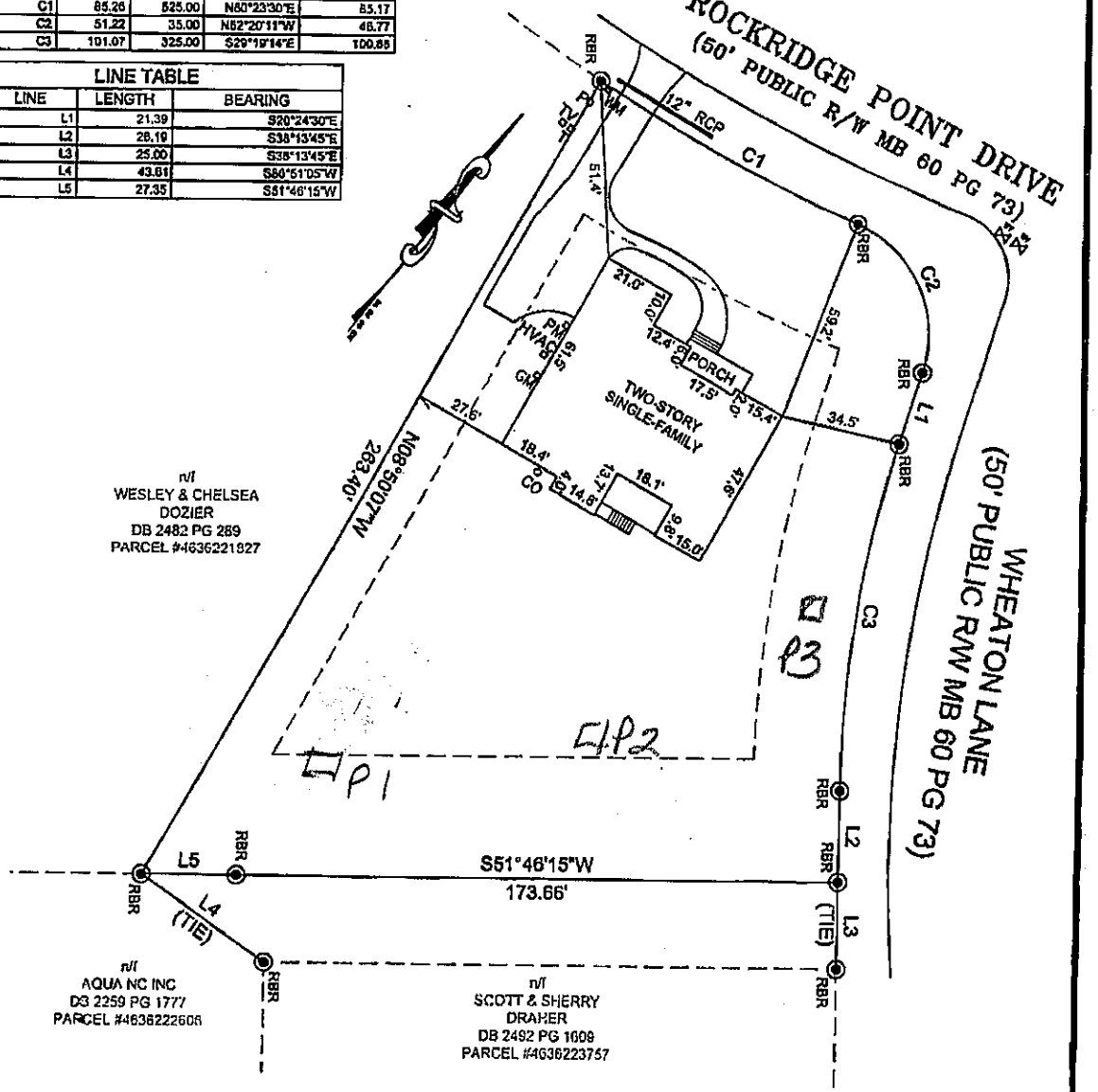
- LINES NOT SURVEYED
- FOUND PROPERTY CORNER
- R/W RIGHT OF WAY
- SET IRON ROD
- RBR REBAR
- X — X — X — FENCE
- HVAC HEATING AND AIR UNIT
- OHU OVERHEAD UTILITIES
- TELEPHONE PEDESTAL
- WM WATER METER
- PM POWER METER
- GM GAS METER
- EOP EDGE OF PAVEMENT
- UTILITY POLE
- RCP REINFORCED CONCRETE PIPE
- CO CLEAN OUT
- TRANSFORMER



VICINITY MAP
(NOT TO SCALE)

CURVE TABLE				
CURVE	LENGTH	RADIUS	DIRECTION	CHORD
C1	85.26	525.00	N60°23'30"E	85.17
C2	51.22	35.00	N62°20'11"W	46.77
C3	101.07	325.00	S29°19'14"E	100.65

LINE TABLE		
LINE	LENGTH	BEARING
L1	21.39	S20°24'30"E
L2	28.19	S38°13'45"E
L3	25.00	S38°13'45"E
L4	43.61	S60°51'05"W
L5	27.35	S51°46'15"W



n/f
WESLEY & CHELSEA
DOZIER
DB 2482 PG 289
PARCEL #4636221827

n/f
AQUA NC INC
DB 2259 PG 1777
PARCEL #4636222606

n/f
SCOTT & SHERRY
DRAHER
DB 2492 PG 1608
PARCEL #4636223757

GRAPHIC SCALE

40 0 20 40

1 inch = 40 ft.

THIS IS A SURVEY OF AN EXISTING PARCEL OF LAND WITHIN A MUNICIPALITY THAT REGULATES PARCELS OF LAND

I HEREBY CERTIFY THAT THIS MAP DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION; THAT THE RATIO OF PRECISION AS CALCULATED IS +1: 10,000; THAT THE BOUNDARIES NOT SURVEYED ARE SHOWN AS BROKEN LINES PLOTTED FROM INFORMATION FOUND IN MB 60 PG 73. THIS MAP WAS NOT PERFORMED TO NC GS 47-30 AND IS NOT INTENDED FOR RECORDING. WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS DAY OF JULY 28, 2017.

PROFESSIONAL LAND SURVEYOR # L-4398

NORTH CAROLINA PROFESSIONAL LAND SURVEYOR L-4398 J. MARK FISHER

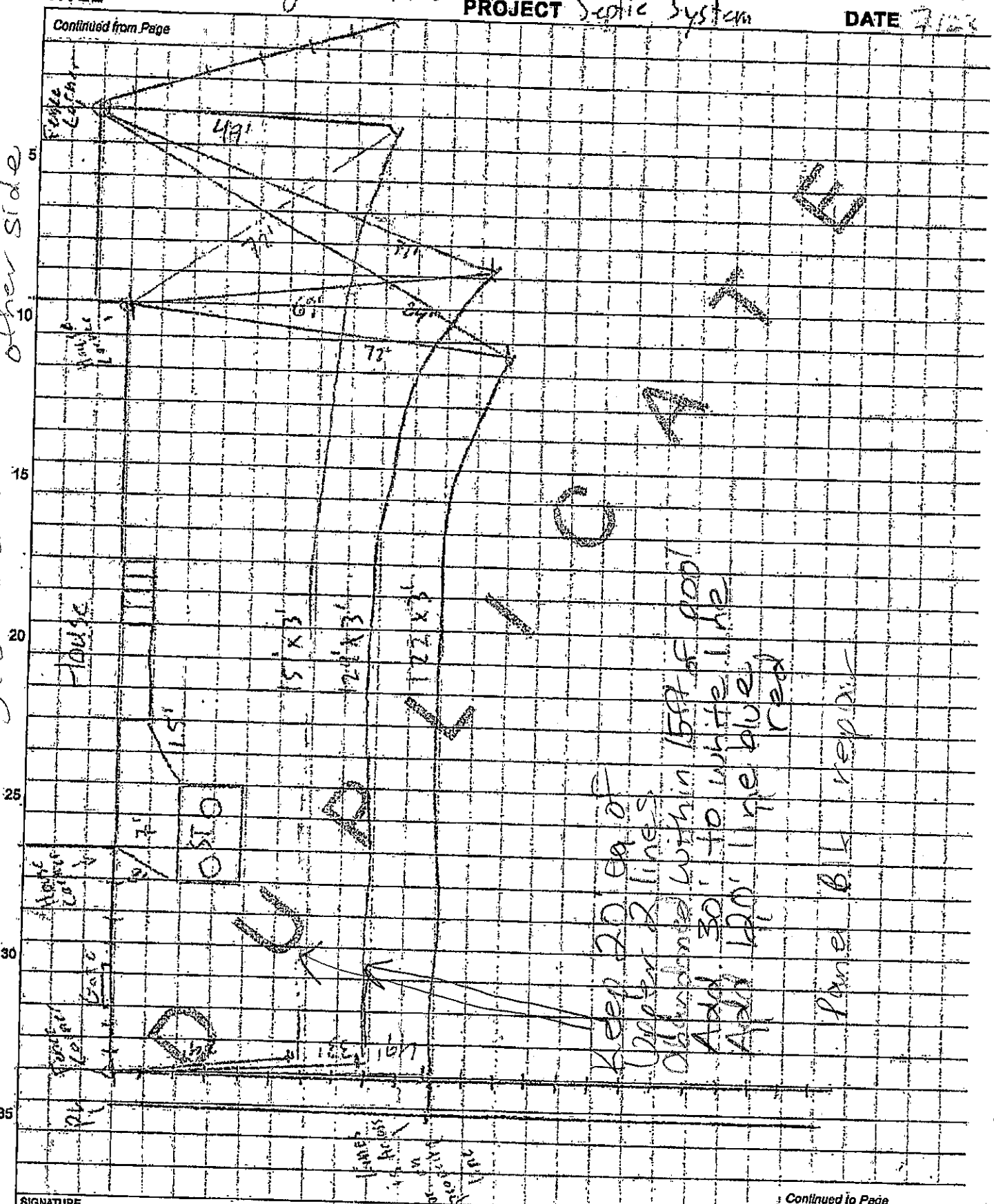
PHYSICAL SURVEY
OF
117 ROCKRIDGE POINT DR
MOORESVILLE, NC 28117
DATE: 28 JULY 2017 SCALE: 1"= 40'
OWNER: TRUE HOMES
2627 BREKONRIDGE CENTRE DRIVE
MONROE, NC 28110

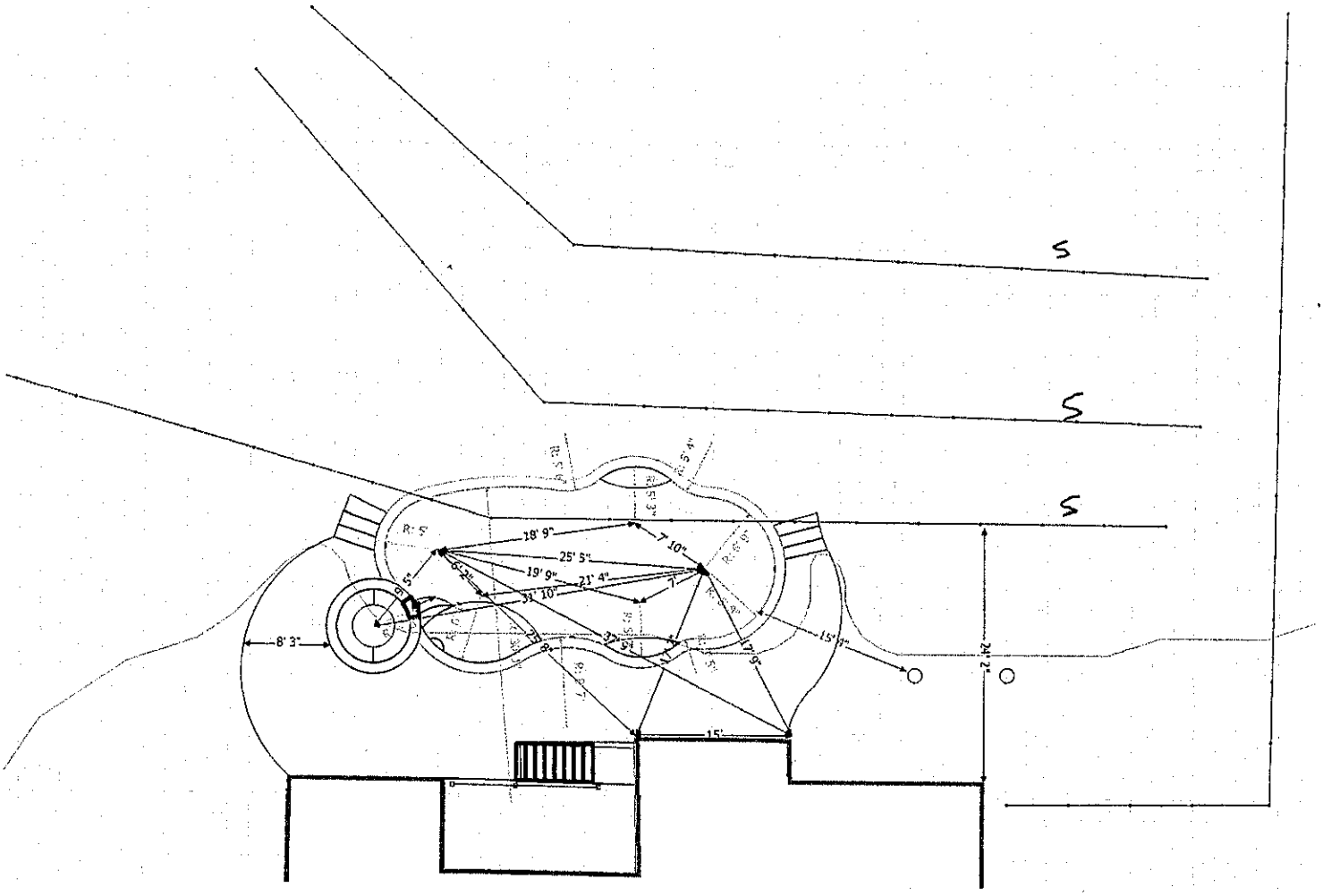
SURVEY BY: J. MARK FISHER, PLS
10306 MEADOW CROSSING LANE
CORNELIUS, NC 28031
(704) 506-0554
C-3216

DUPLICATE _____ - 23
BOOK PAGE

TITLE 117 Rockridge Point Drive PROJECT Septic System DATE 7/12

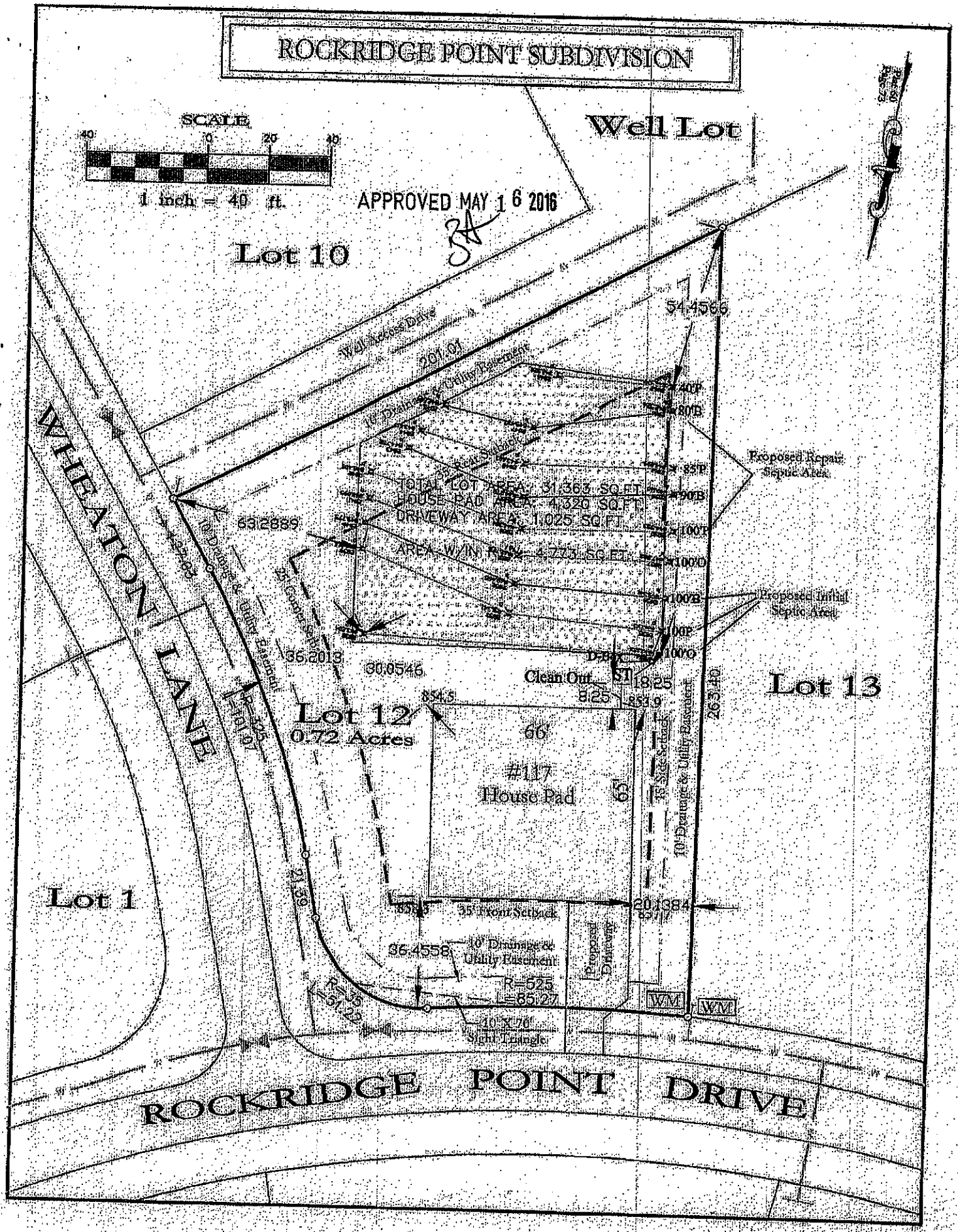
Continued from Page


Fence Corner
491'
72'
Cor
Cor
72'
Fence Corner
Fence Corner
Fence Corner



36' 9" x 17'

Pool
117 Rockridge Rd


ROCKRIDGE POINT SUBDIVISION
SCALE
40 0 20 40
1 inch = 40 ft.
APPROVED MAY 16 2016
Well Lot
Lot 10
Lot 13
Lot 12
0.72 Acres
Lot 1
#117
House Pad
WHEATON LANE
ROCKRIDGE POINT DRIVE
TOTAL LOT AREA: 31,363 SQ.FT.
HOUSE PAD AREA: 4,320 SQ.FT.
DRIVEWAY AREA: 1,025 SQ.FT.
AREA W/IN R/W: 4,775 SQ.FT.
Proposed Repair Septic Area
Proposed Initial Septic Area
Clean Out
35' Front Setback
10' Drainage & Utility Easement
Proposed Driveway
10' X 70' Sight Triangle
WM
54.4566
201.01
63.2889
36.2013
30.0546
18.25
8.25
66
65
85.15
20.1384
36.4558
R=525
L=85.27
R=525
L=57.22
31.39
263.40

IS ARE #5 REBARS UNLESS

TRANSFORMER

VICINITY MAP
(NOT TO SCALE)

TABLE		
S	DIRECTION	CHORD
00	N60°23'30"E	85.17
00	N62°20'11"W	46.77
00	S29°19'14"E	100.66

E	
	BEARING
	S20°24'30"E
	S35°13'45"E
	S35°13'45"E
	S88°51'05"W
	S51°46'15"W

ROCKRIDGE POINT DRIVE
(50' PUBLIC R/W MB 60 PG 73)

12" RCP

C1

C2

C3

L1

L2

L3

L4 (TIE)

L5

S51°46'15"W
173.66'

RBR

PK NAIL

TV BOX

51.4'

21.6'

FDC

12.4'

PORCH

17.5'

15.4'

59.2'

34.5

PM

HVAC

GM

TWO-STORY
SINGLE-FAMILY

27.6'

18.4'

CO

14.8'

4.3'

18.1'

4.7'

47.6'

15.0'

N08°50'07"W
263.40'

P1

P2

P3

n/f
& CHELSEA
IZIER
2 PG 289
4636221827

n/f
SCOTT & SHERRY
DRAHER
DB 2492 PG 1609
PARCEL #4636223757

WHEATON LANE
(50' PUBLIC R/W MB 60 PG 73)

GRAPHIC SCALE

40 0 20 40

1 inch = 40 ft.

EXISTING PARCEL OF LAND
T REGULATES PARCELS OF

THAT THIS MAP DRAWN
ROM AN ACTUAL SURVEY
ION; THAT THE RATIO OF
IS +1: 10,000; THAT THE
D ARE SHOWN AS BROKEN
RMATION FOUND IN MB 60
E PERFORMED TO NC G.S.
ED FOR RECORDING

NORTH CAROLINA
PROFESSIONAL LAND SURVEYOR
L-4398

PHYSICAL SURVEY
OF
117 ROCKRIDGE POINT DR
MOORESVILLE, NC 28117
DATE: 28 JULY 2017 SCALE: 1"= 40'
OWNER: TRUE HOMES
2527 BREKONRIDGE CENTRE DRIVE

IREDELL COUNTY · NC

IREDELL COUNTY
PO Box 788
349 North Center St.
Statesville, NC 28677

APPLICATION NUMBER
314469 Issue Date:

Permit Type: ZONING

Parcel Number	Street Address	Jurisdiction
4636222970.000	117 ROCKRIDGE POINT DR	IREDELL COUNTY

Owner Information	Applicant Information
Name: JARVIS CORY A+LAUREN R ANDERS Address: Phone: (704)799-5885	Name: JARVIS CORY A+LAUREN R ANDERS Address: Phone: (704)799-5885

Use Requested	Zone Code
SWIMMING POOL	RA

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
0.72	150	10	10	10	WSIV-CA Catawba/Lake Norman	NO

Remarks

POOL need disc and page 3 of septic pw

Swimming Pool: Must meet requirement R22 of the LDC. Pools shall be located to comply with minimum setbacks for accessory structures- located behind front building line of house, 10' from side & rear property line. Lake lots must meet the 50' setback from the 760 contour line AND the 35' setback from the rear property line. Pools that are not an integral part of the principal building shall be located at least the minimum distance from the principal building necessary to comply with N.C. Building Code. Setback from house could be +/-10'. Fenced with a minimum 4' in height, and equipped with self-closing and positive self-latching gate provided with hardware for permanent locking. Fence not required for above ground pools if they are at least 4' in height, the ladder removed, or when NOT in use have a gate to the ladder as described above. SETBACK TO STRUCTURE COULD BE MORE OR LESS DEPENDING UPON THE BUILDING CODE; HOWEVER THERE IS A ? FT SET BACK FROM THE PROPERTY LINE.*The setback could change depending on the structure and size of the structure.

The applicant certifies that there are no deed restrictions, contractual agreements or governmental regulations of any kind that interfere with or prohibit the use of the property or the use for which this permit is requested. The applicant further acknowledges that enforcement of deed restrictions, plat conditions and other contractual agreements will not be undertaken by Iredell County and is the sole responsibility of the affected parties.

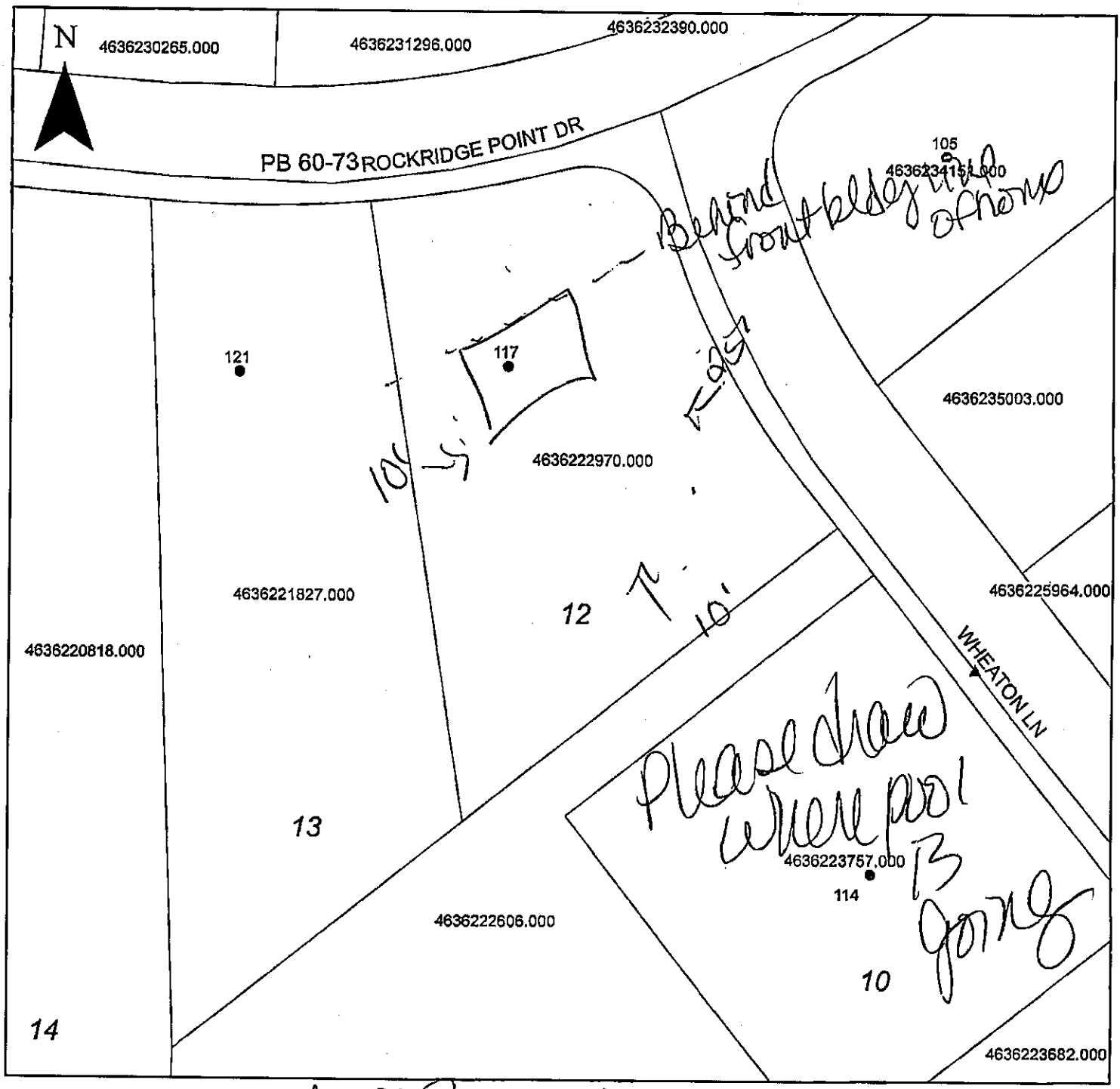
PAID ONLINE
DATE:_____

Signature of Owner/Contractor

Date: 01/28/2021

Permit Number	314469	TOTAL FEES:	$77.25

ZONING DISCLAIMER



Property Address 117 Rockridge

The applicant certifies that there are no deed restrictions, contractual agreements or governmental regulations of any kind that interfere with or prohibit the use of the property or the use for which this permit is requested. Applicant further acknowledges that the enforcement of deed restrictions, plat conditions, and other contractual agreements will not be undertaken by Iredell County and is the sole responsibility of the affected parties.

Applicant

Date