IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 230677

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

PIN # 4677-29-1996

APPLICANT/OWNER: Donahue Properties APPLICANT ADDRESS: 400 Pleasant Village Lane China Grove, NC

SITE ADDRESS: 115 Corina Lane Mooresville, NC 28115 PHONE: 704-202-5280 ALT. PHONE

SITE DIRECTIONS: Rt 150 East from Mooresville → L on Wiggins Rd → 1/2 mile on left SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Karen B Wiggins SECTION: — LOT # 2 LOT AREA: 1.17 acres DESIGN FLOW: 360 GPD L.T.A.R.: 0.25

Septic Tank	1000 (gal)	STB	825	Date	6-21-18
Pump Tank	1000 (gal)	PT	302	Date	5-20-18
Pump Make	Little-Giant	Model	9-ENH	Serial #	
# Nitrification Fields	1	# Lines	7 (6 TAPs)	Linear Ft	364
Trench Width	36"	Trench Bottom Depth(Low side)	32"	Gravel Depth	—

☒ New System ☐ Repair ☐ Expansion System Type: I II (III) IV V VI

System Description: 25% Reduction (Pressure Manifold)

Repair System Description: PPBPS (w/venting) 30% Reduction (Deep)

Maintenance Agreement Required: ☐ YES ☒ NO ☐ GRAVITY ☒ PRESSURE

☒ Residence ☐ Business ☐ Other ☐ Slab ☐ Basement w/ plumbing

No. Bedrooms 3 No. Persons 6 No. Employees — ☒ Crawl Space ☐ Basement w/o plumbing

Water Supply: ☐ Private ☐ Public ☒ Community

Comments / Conditions: TAP sizing for Pressure Manifold is as follows:

(L1 + L2) = 1/2" SCH 40 [Sharing a single Tap] ★ Connect @ distal end of line

(L4) = 1/2" SCH 80

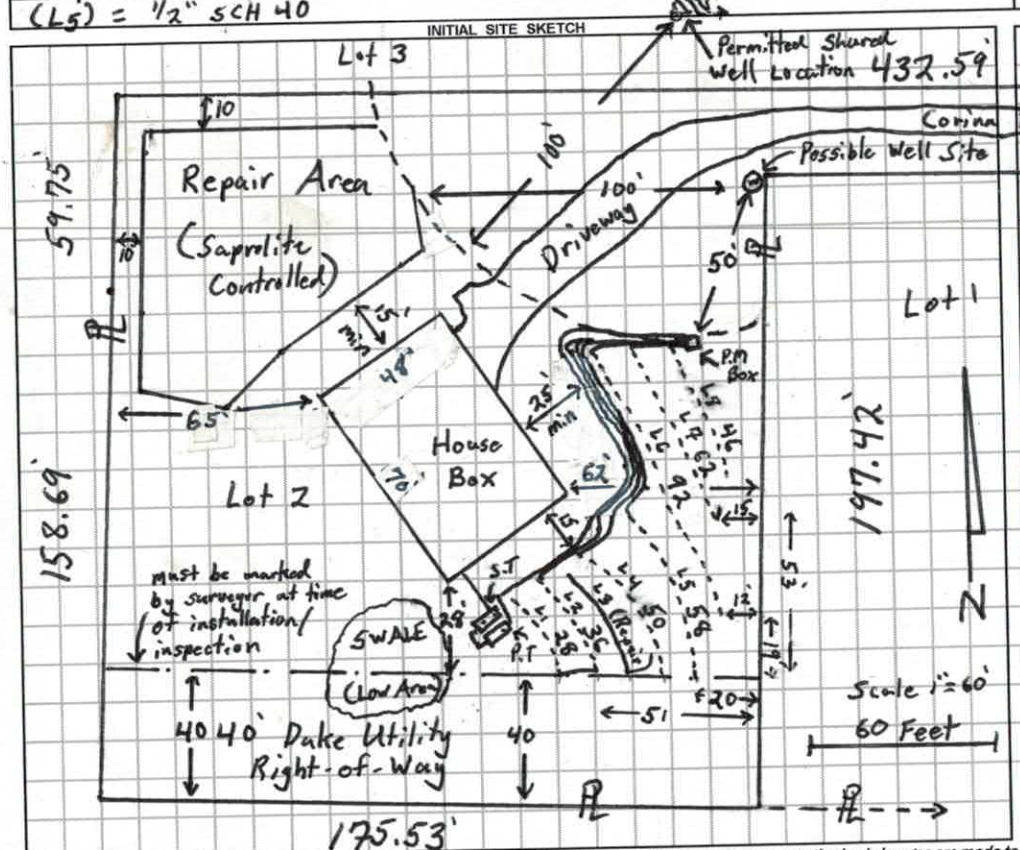
(L5) = 1/2" SCH 40

(L6) = 3/4" SCH 80 ★ 35.28 GPM @ 2' of pressure head.

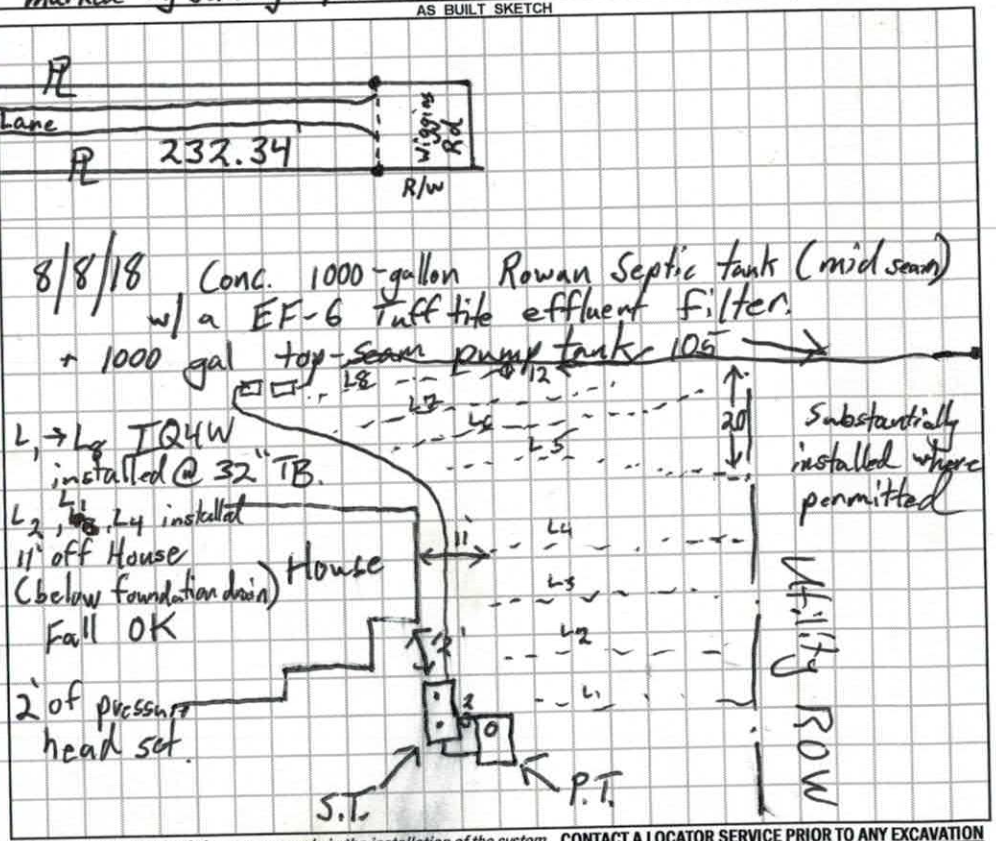
(L7) = 1/2" SCH 40 Recommend pumping septic tank every 3-5 years.

(L8) = 1/2" SCH 80 ★ Duke Power Right-of-Way MUST be marked by surveyor prior to installation + at time of inspection ★

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: Tom Donahue Date: 12-13-17 Installed by: Kevin Kirkpatrick (Rowan Septic)

IMPROVEMENT PERMIT by: Tom Shuck Date: 12/1/2017 OPERATION PERMIT by: Maria Dotson Date: 10/22/18

AUTHORIZATION TO CONSTRUCT by: Tom Shuck Date: 12/1/2017 Existing System Inspected by: Date:

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

Sheet 1 of 2
PROPERTY ID #:
COUNTY: Iredell

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

OWNER: Karen Wiggins
ADDRESS: 4070 Highway 152 W. China Grove, NC
PROPOSED FACILITY: 3 BR SFR
PROPOSED DESIGN FLOW (.1949): 360 GPD
LOCATION OF SITE: Lot 2 (800 Wiggins Rd) Karen B Wiggins

APPLICATION DATE: 10/2/17
DATE EVALUATED: 10/18/17
PROPERTY SIZE: 1.17 acres
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	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	LSS 4% Repair	0-19	scl v.w.sbk	sl. friable, ss, sp, sap	10YR 7/6 (yellow) @ 30" 7.5YR 6/6 (red-yellow) @ 32" 10YR 7/4 @ 32"	72"	–	–	0.275 PS
		19-32	clay w. sbk/abk	firm, sticky, sp, sap					
		32-38	clay w. sbk	sl. firm, sticky, sp, sap					
		38-72"	clay loam micaceous w. sbk	sl. friable, ss, sp, sap			Interceptor might prove helpful/useful		
		↑Best Soil			Keep Deep				
2	LSS 4% Repair	0-11	scl v.w. sbk	sl. fr, ss, sp, sap	–	32"	–	–	0.30 PS
		11-32	clay w/ abundant sapprolite sbk	firm, sticky, sp, sap					
		32-82	sapprolite (clay) MA	friable + well drained					
3	LSS 4% Primary	0-10	scl v.w. sbk	sl. firm, ss, sp, sap	–	47	–	–	0.30 PS Primary
		10-32	clay w/ sbk some mica	sl. firm, sticky, sp, sap					
		32-47	clay loam v.w. sbk + mica	friable, ss, sp, sap	← Quality				
		47-63	loamy sapprolite MA	very friable + well drained	↙				
4	LSS 4% Primary	0-10	scl v.w. sbk	sl. firm, ss, sp, sap	2.5Y 7/6 yellow @ 25"	34" 65"	–	–	0.25 (to 34") 0.30 (Deep) Primary
		10-34	clay trace ms sbk mica	sl. firm, sticky, sp, sap					
		34-65"	clay loam w/ sbk some micaceous sapprolite	friable, ss, sp, sap	0.25 Shallow				
					Best Deep (0.30)				

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	4/4'	300'
System Type(s)	25% Reduction PM	50% Reduction Deep
Site LTAR	0.25	0.275

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Tom Shuck
OTHER(S) PRESENT: Tony Donahue

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

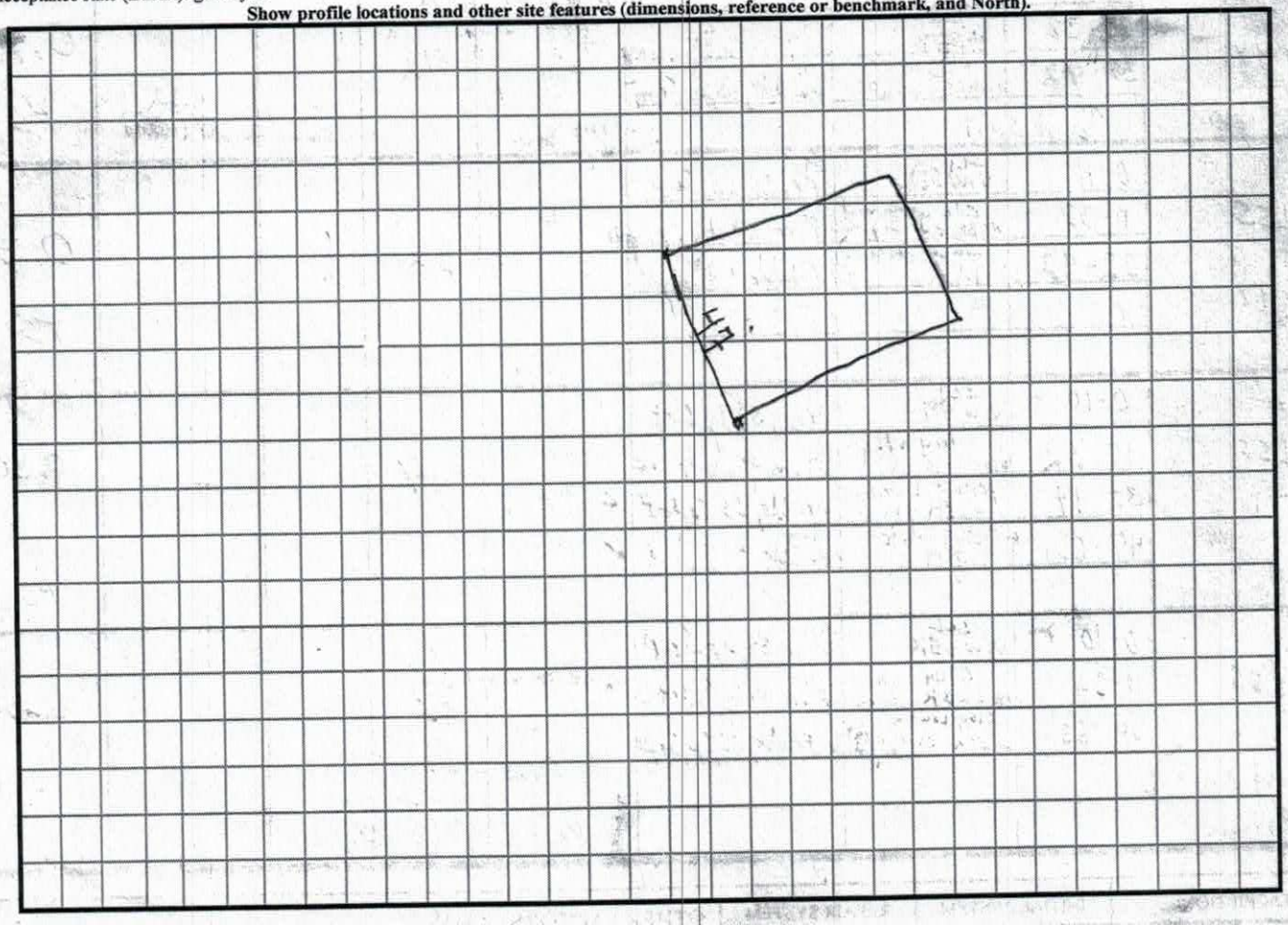
L_1 B 8.04 28 L_4 P 7.20 50'
L_2 P 7.85 36 L_5 B 6.93 58' } 274
L_3 B 7.51 42 L_6 P 6.62 60

86' short

Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft^2

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



SOIL/SITE EVALUATION

(Continuation Sheet-Complete all field in full)

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

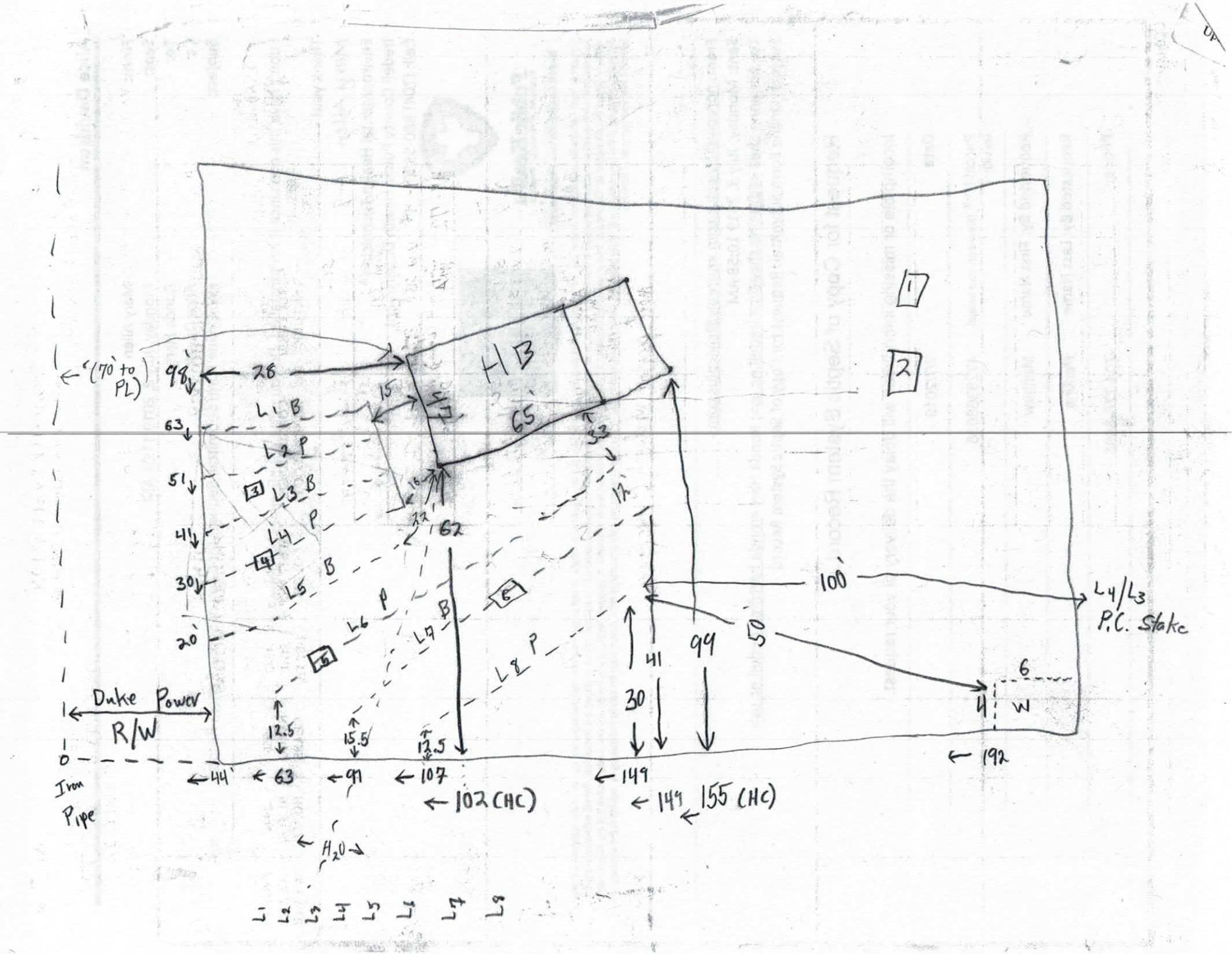
Lot 2

L6 6.83 32'
L7 6.56 62
L8 6.23 46

PROPERTY ID #:
DATE OF EVALUATION: 10/18/17 + 11/19/17 (Hole #6)
COUNTY: Iredell

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
5	LSS 4% Primary	0-8	SCL V.W SBK	SL. Friable, SS,SP,SExP	—	48	—	—	0.3 PS Deep
		8-29	clay W-M SBK	SL. Firm, Sticky, SP,SExP					
		29-48	Clay Loam V.W.SBK some Saprolite	SL. Friable, SS,SP,SExP					
		48-72	Saprolite (CL-Loamy) MA	MOD very Drainage, Friable					
6	LSS 4% Primary	0-8	SCL V.W.SBK	SL. Friable, SS,SP,SExP	Trace YB mottles 23"-25"	71	—	—	0.3 PS Decp
		8-30	clay some mica M.SBK/ABK	SL. Firm, Sticky, SP,SExP					
		30-71	clay Loam W/SBK Abundant Mica + some Saprolite	Friable, SS,SP,SExP					
			↑ more prevalent w/ depth (+better the soil)						

COMMENTS:


(70' to PL)
98'
28
15
HB
65'
33'
63'
L1 B
L2 P
51'
3
L3 B
16'
17'
41'
L4 P
4
32'
62'
30'
L5 B
100'
L4/L3
P.C. Stake
20'
L6 P
5
L7 B
5
L8 P
50'
41'
99'
6'
4
W
Duke Power
R/W
12.5'
15.5'
17.5'
30'
0
Iron Pipe
44'
63'
91'
107'
102 (HC)
149'
149'
155 (HC)
192'
H2O
1
2
L1 L2 L3 L4 L5 L6 L7 L8

RECEIVED OCT -4 2017

IREDELL COUNTY HEALTH DEPARTMENT, ENVIRONMENTAL HEALTH DIVISION

Pd $500.00 #230679

(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).

1. APPLICATION FOR: ___ Improvement Permit (✓) Authorization To Construct ___ Existing System Inspection

2. 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 check ( ) beside whichever is submitted if applicable ___ Custom Site Plan, Scaled no more than 1 Inch = 60 Feet

3. Applicant Information:

Applicant Name	Mailing Address	Home Phone #	Alternate Phone #
Donahue Properties Inc	400 Pleasant Village Ln, China Grove	704-202-5280	
Owner Name	Mailing Address	Home Phone #	Alternate Phone #
Karen Wiggins	4070 Hwy 152 W China Grove		

4. Property Information:

Street Address	Subdivision Name	Section/Phase and Lot Number
115 Corina Ln	Karen B Wiggins	Lot 2

Driving Directions: 150 East from Mooresville, left on Wiggins Rd 1/4 mile on left

5. RESIDENTIAL Site Development Information: *(Check or Complete ALL that apply)*

(✓) New, Single Family Residence — Maximum Number of Bedrooms 3
( ) New, Multi-Family Residence — Maximum Number of Occupants ___
( ) Expansion of Existing Septic System — If Expansion, Current Number of Bedrooms ___
( ) Repair To Failing Septic System due to ___
( ) Other ___

(✓) Crawl Space Foundation?
( ) Concrete Slab Foundation?
( ) Basement w/Plumbing?
( ) Basement w/out Plumbing?

IF Non-Residential Site Development: Type of Business ___
Square Footage of Building ___
Maximum Number of Employees ___
Maximum Number of Seats ___

6. Proposed Water Supply:

(✓) New Well ( ) Existing Well ( ) Community Well ( ) City Water ( ) Other Public Water

7. Desired Septic System Type: *(You may rank in order of preference, if any)* ( ) EXISTING SYSTEM installed ___ (Year)

( ) Alternative (✓) Conventional ( ) Innovative ( ) Modified Conventional ( ) Other ___

8. Please Answer The Following ( ) Yes (✓) No Does the site contain any jurisdictional wetlands?
To The Best of Your Ability: ( ) Yes (✓) No Is any non-domestic sewage (i.e. industry) to be generated?
( ) Yes (✓) 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.

9. Signature: Lou L Donahue — DATE: 10-2-17
Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

IREDELL COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

DOCUMENTATION TO AUTHORIZE AN OWNER'S LEGAL REPRESENTATIVE

Applications for permits require the "signature of the owner or owner's legal representative" (15A NCAC 18A .1937). If the owner does not sign the application himself or herself, they can submit any one of the following documents to designate their legal representative:

Power of Attorney; Real Estate Contract; Estate executor; Bankruptcy trustee; Court ordered guardianship

In the absence of the above documentation, the property owner may provide the local health department with documentation that designates a legal representative. A property owner may:

- Complete this form to document his or her legal representative, or provide his or her own form that contains the information in this form.

If there are multiple property owners, then all property owners must sign the form that designates a legal representative.

By signing a form that designates a legal representative for purposes of 15A NCAC 18A .1937, the property owner authorizes that representative to act on their behalf in matters pertaining to the application and permitting process, including signing or receiving any application, document or permit. The owner retains full responsibility to meet all permit conditions specified by the local health department.

I, Karen B. Wiggins, am the legal owner(s) of the property located at _____, identified as PIN (Parcel Identification Number) _____, located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**) Tony L. Donahue Donahue Properties, to act as an agent on my behalf in applying for/signing/obtaining any of the documents described below.

- Application for Improvement Permit (IP) / Authorization to Construct (AC)
- Improvement Permit (IP) / Authorization to Construct (AC)
- Application for soil-site evaluation (new/repair)
- Application/permit for private drinking water well/well abandonment
- Application for Compliance Inspection

I agree to abide by all decisions and/or conditions between the legal representative acting on my behalf and the Iredell County Department of Public Health, Environmental Health Division.

Karen B Wiggins 10-4-17 Tony Bell 10-4-17

Signature of Owner(s) Date Signature of Witness Date

Please return this signed form to the appropriate office:

Mooresville - Environmental Health
ronda.hart@co.iredell.nc.us
Fax: 704-662-3239
610 E. Center Avenue, Mooresville, NC 28115

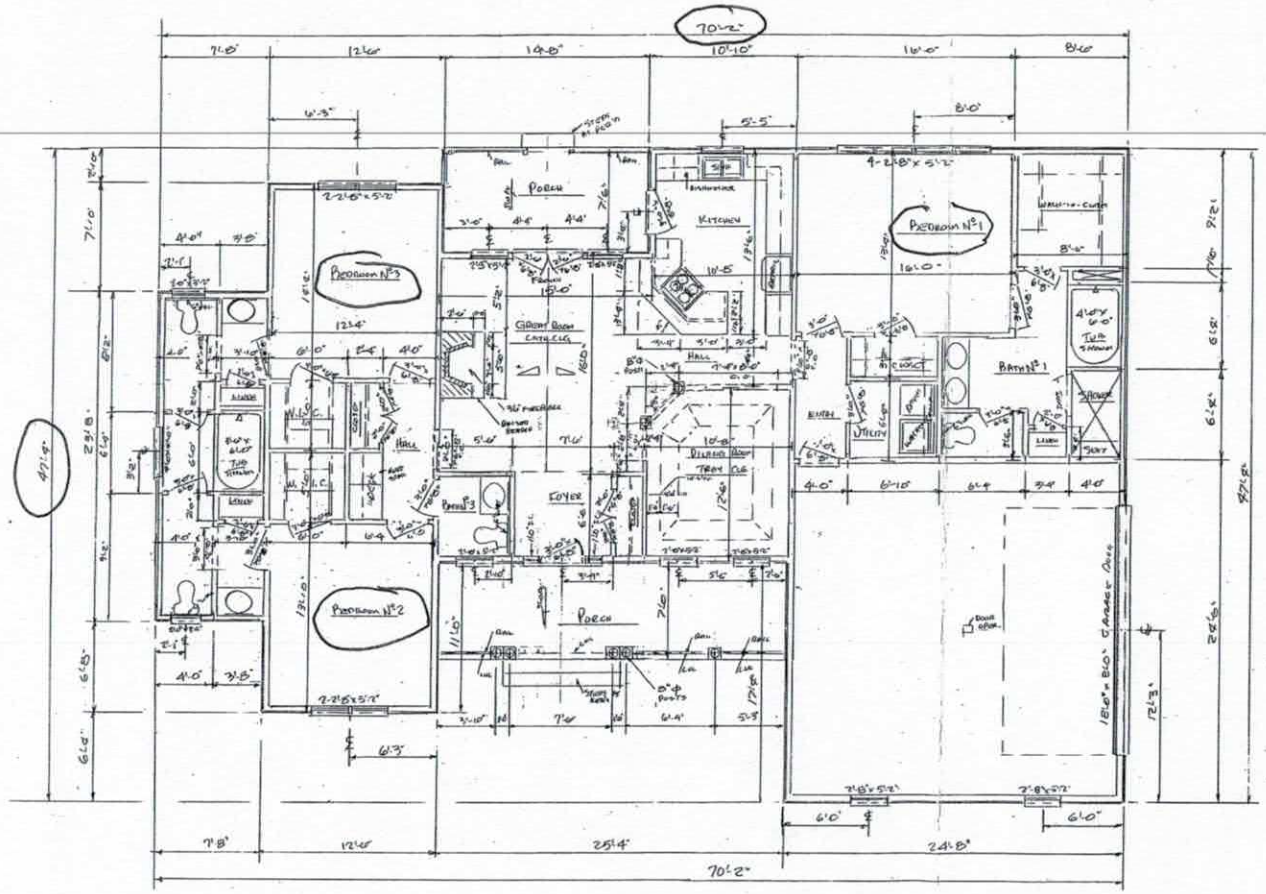
Statesville - Environmental Health
adrienne.shea@co.iredell.nc.us
Fax: 704-871-3483
349 N. Center Street, Statesville, NC 28677

Acknowledgement of
Plans Submittal ONLY!

Date 10-9-17

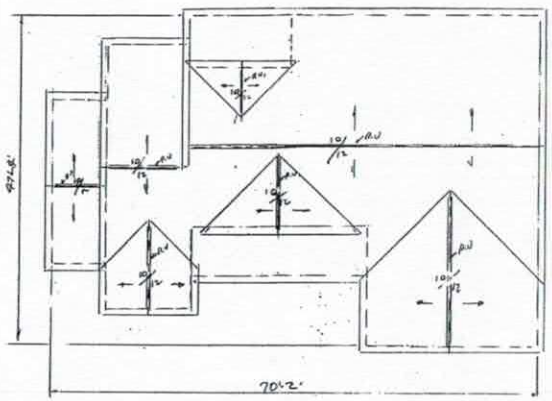
Date 12/1/2017

Lot #2



FLOOR PLAN
Scale- 1/4"=1'-0"

NOTE: 1- CEILING HEIGHT 9'-0" EXCEPT AS SHOWN
2- CONTRACTOR WILL VERIFY ALL DIMENSIONS



ROOF PLAN
Scale- 1/8"=1'-0"

NOTE: 1- ROOF PITCH 7/12
2- ROOF OVER HANG 1'-0"

SQUARE FOOTAGE	
HEATED-	1868.5
GARAGE-	602.7
MAIN PORCH-	177.0
REAR PORCH-	104.5

TONY DONAHUE CUSTOM

DATE- 8-1-2017	DRAWN BY
SCALE- AS SHOWN	SAM STAUB

RESIDENCE

FLOOR PLAN AND ROOF PLAN	DRAWING N° 3 OF 5

IREDELL COUNTY

FILE COPY

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

APPLICATION NUMBER
230679
Issue Date: 10/04/2017

ZONING PERMIT
Residential

Parcel Number	Street Address	Jurisdiction
4677291996.000	115 CORINA LANE, MOORESVILLE, NC 28115	

Owner Information	Applicant Information
Owner: WIGGINS, KAREN B.	Applicant: DONAHUE PROPERTIES, IN
Address: 4070 HWY 152 W CHINA GROVE, NC 28023	Address: 400 PLEASANT VILLAGE LN CHINA GROVE, NC 28023-6714
Phone: - -	Phone: 704-857-0717

Use Requested	Zone Code
SFD	RA

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
	35.00	35.00	15.00	15.00		

Remarks:

PAID
Credit
10-4-17

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.

See Attached

Applicant: _____ Date: _____

Permit Number	116900	TOTAL FEES:	$ 77.25