ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 (BC) Mooresville Office (704) 660-3625 PERMIT # AP-310292

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

PIN # 4740 - 00 - 8924

APPLICANT/OWNER: CLAYTON HOMES/ IRON IVEY LLC, APPLICANT ADDRESS: 2026 NORTHSIDE DRIVE, STATESVILLE, N.C. 28625

SITE ADDRESS: 128 BROOK CREEK DRIVE, TROUTMAN, N.C. 28166 PHONE: 704-239-1249 ALT. PHONE 704-360-2874

SITE DIRECTIONS: (S) ON 21, (R) ON FOWER HOUSE, (R) ON MONTZ HILL, (L) ON RIDGE CREEK (R) ON BROOK CREEK, LOT ON (R) SAP CONTROLLED: ☐ YES ☑ NO

SUBDIVISION: ROCKY CREEK COVE SECTION: — LOT # 62 LOT AREA: 0.66 AC DESIGN FLOW: 360 GPD L.T.A.R.: 0.275 (0.3 REPAIR)

Septic Tank	1000 (gal)	STB	1012	Date	2/23/2021	☑ New System	☐ Repair	☐ Expansion	System Type: I II (III) IV V VI	☑ Residence	No. Bedrooms 3	Water Supply
Pump Tank	— (gal)	PT	—	Date	—	System Description:			25% REDUCTION	☐ Business	No. Persons 6	☑ Private
Pump Make	—	Model	—	Serial #	—	Repair System Description:			50% REDUCTION - PPBPS	☐ Other	No. Employees	☐ Public
# Nitrification Fields	1	# Lines	5	Linear Ft	328 FT	Maintenance Agreement Required:	☐ YES	☑ NO		☐ Slab	☑ Crawl Space	☐ Community
Trench Width	36 IN	Trench Bottom Depth	MAX 24IN	Gravel Depth	—		☑ GRAVITY	☐ PRESSURE		☐ Basement w/plumbing	☐ Basement w/o plumbing	

Comments / Conditions: SITE PLAN MUST BE ATTACHED AT ALL TIMES

INITIAL SITE SKETCH

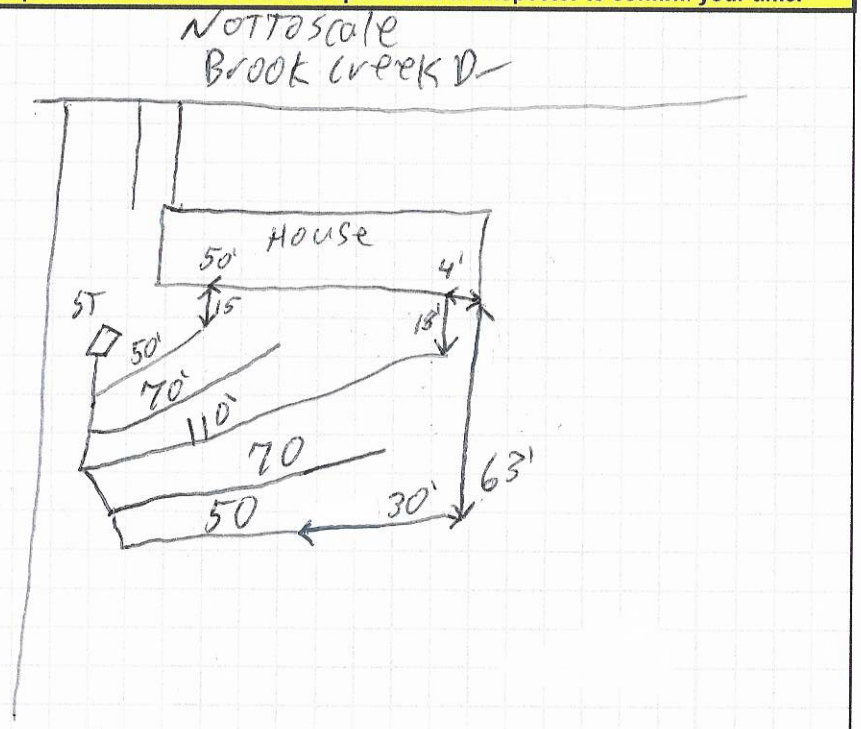
This permit is issued pursuant to Section 11 . (C) of S.L. 2018-114 using the signed and sealed LSS Evaluation by:

SOIL AND FORESTRY SERVICES OF THE CAROLINAS P.A.

LSS # 1231

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.



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**

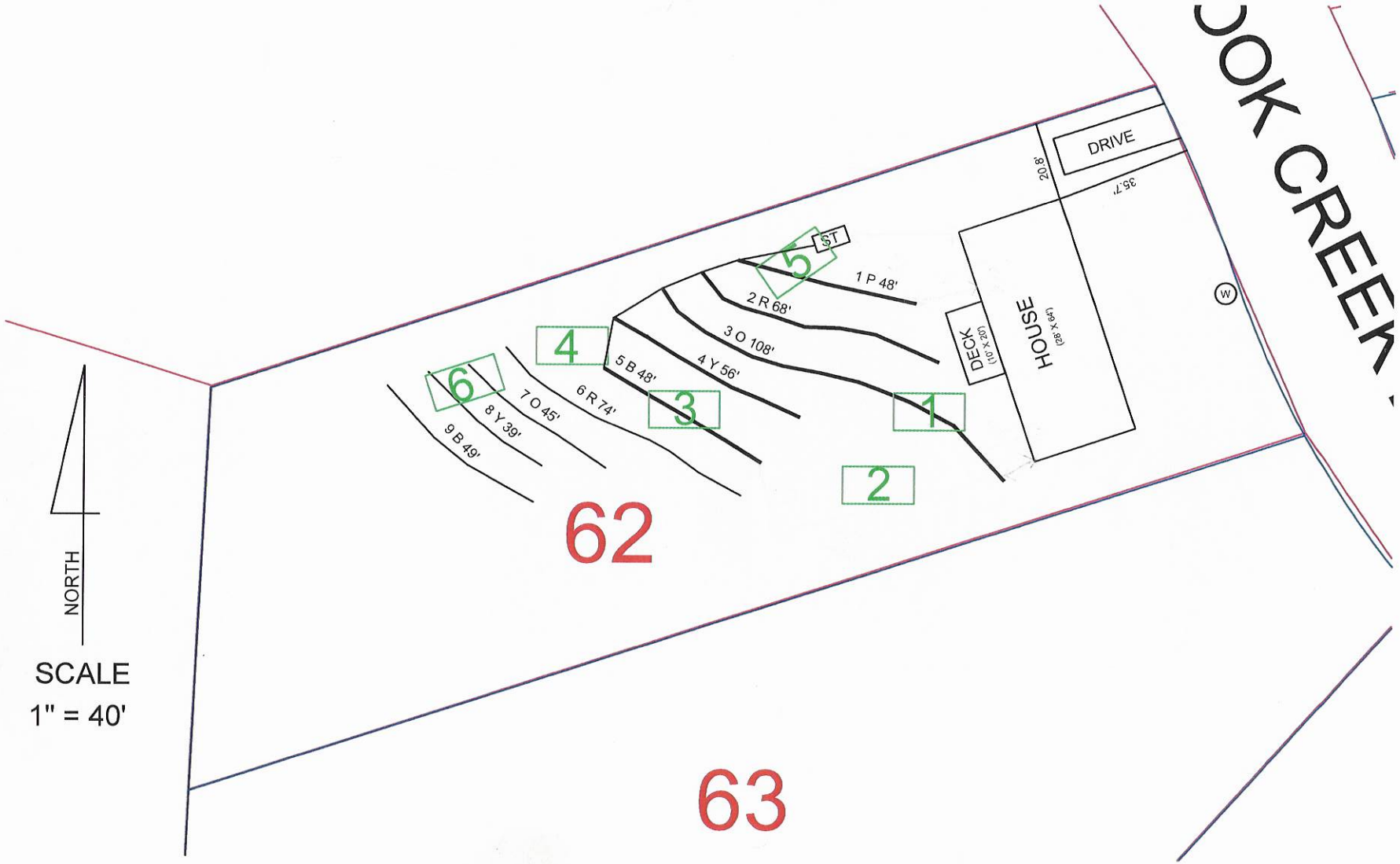
☐ **IMPROVEMENT PERMIT** *with plat valid without expiration.* ☑ **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* ☑ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: [signature] Date: 10-5-2020 Installed by: (Steve Jordan) Piedmont Backhoe Service

IMPROVEMENT PERMIT by: Bryant C. Olivia Date: 9-23-2020 OPERATION PERMIT by: Patrick J Bagett Date: 4/13/2021

AUTHORIZATION TO CONSTRUCT by: Bryant C. Olivia Date: 10-5-2020 Existing System Inspected by: Date:

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


OOK CREEK
DRIVE
20.8'
35.7'
HOUSE
(64' x 28')
DECK
(10' x 20')
W
ST
5
1 P 48'
2 R 68'
3 O 108'
4 Y 56'
4
5 B 48'
6
7 O 45'
8 Y 39'
9 B 49'
6 R 74'
3
1
2
62
63
NORTH
SCALE
1" = 40'

SOIL & FORESTRY SERVICES
OF THE CAROLINAS, PA

www.soilandforestryservices.com

Project#: 20-0088
August 19th, 2020

CLAYTON HOMES
Attn: *Keith Wilkins*
Email: keith.wilkins@claytonhomes.com

RE: Soil & Site Evaluation for a 3 Bedroom Residence (Crawl Space) at Rocky Creek Cove, Lot 62, 0.66 ac Parcel, PIN# 4740008924, 128 Brook Creek Drive, Troutman, NC 28166.

Mr. Wilkins:

At your request Soil & Forestry Services of the Carolinas (S&FS) has performed soil/site evaluations on parcel noted above. The Lot size is noted on the attached survey map & soil evaluation form. The purpose of our work was to identify soil areas with potential to support subsurface wastewater disposal systems and provide design details for Session Law submittal to Iredell County Health Department.

Site Conditions

At the time of our evaluation land cover on the property was mixed pine/hardwood. Topography within the evaluated area was a gentle to moderate slope near the house site and proposed drainfield area. There is a culvert pipe on the far left property line. Property lines and corners were marked at the time of the evaluation by Jordan Grant Surveyors. A copy of the survey is attached. Iredell County Tax Parcel data was utilized as a basemap. The proposed septic layout was located via Trimble Submeter GPS and used to produce the attached *Site Plan*. The house envelope is also illustrated on the attached Site Plan. The attached Survey provided has house setbacks to property lines.

Methodology

We evaluated soil areas through the use of backhoe pits. Soil morphological conditions including color, texture, structure, etc. were reviewed in the field with six pit locations on the property flagged and located via GPS. Five of the six pits are located in the proposed septic layout. Soil suitability was determined by referencing 15A NCAC 18A.1900 "Laws and Rules for Sewage Treatment and Disposal Systems". *Soil & Site Evaluation Forms* were utilized to record the soil morphological data for each pit. The house envelope with dimensions is specified on the attached Site Plan. An on-ground layout of system and repair was performed using a laser level. Pin flag locations of the layout were also located by GPS. Detailed system & repair information is summarized in the following paragraph for this Lot.

Lot 62 (*See Attached Design*)
The septic layout for this lot (9' centers) yielded a total of 535 linear feet of line. The primary system is proposed as 328 linear feet of Accepted (25% Reduction) drainfield with gravity distribution. Trench depth is specified at 24 inches. The repair system is proposed as 207 linear feet of PPBPS (50% Reduction) drainfield with gravity distribution. Trench depth is specified at 36 inches.

Session Law Requirements

An LSS Evaluation may be submitted in conjunction with a complete application to the LHD. The application shall include all information described in 15A NCAC 18A .1937(d) and be accompanied by a signed and dated statement from the applicant (owner or owner's legal representative) that reads as follows:

"The LSS Evaluation attached to this application is to be used to produce design and construction features for permitting in accordance with SL 2018-114 Section 11.(c).".

Owner Date

Print Name Hamton Homes Jonathan Wayne Haskell

Signature _____ 8/20/2021

The LSS Evaluation shall include a statement bearing the LSS seal and signature that reads as follows:

"The LSS Evaluation is being submitted pursuant to and meets the requirements of SL 2018-114 Section 11.(c)."

Disclaimer

This report reflects the findings of S&FS, PA. *This LSS Evaluation is being submitted pursuant to and meets the requirements of SL 2018-114 Section 11.(c).* **Any site modifications that impact the proposed septic areas on Lots 62 of Rocky Creek Cove Subdivision may nullify this design.** System design requirements and site requirements shall be adhered to for installation and Operations Permits to be issued by the local Health Department. If you have questions regarding these requirements a Pre-Construction meeting should be scheduled to discuss. Please contact S&FS if you have any questions regarding this report or the attached information. S&FS also offers septic system inspection, wetland delineation and forestry services.

Sincerely,

LICENSED SOIL SCIENTIST Samuel A. Pollard 1231 STATE OF NORTH CAROLINA

S. Ashley Rollans, LSS
Attachment: *Septic Design*

SOIL & FORESTRY SERVICES
OF THE CAROLINAS, PA

www.soilandforestryservices.com

Attached is a proposed design for an Accepted Septic System with gravity dist. for a 3 bedroom single family residence on Lot 62, 128 Brook Creek Dr. Troutman 28166, (PIN 4740008924), Iredell County, North Carolina.

Contents: **Page**

Information for the Installer---------- 1

Design Information
- Design Specifications---------- 2-3
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Agent Authorization Form---------- 14

LICENSED SOIL SCIENTIST Samuel A. Rollins STATE OF NORTH CAROLINA

August 19, 2020
Project #: 20-0088
Design By: Soil & Forestry Services of the Carolinas, PA

INFORMATION FOR THE INSTALLER:

The permit should be read very carefully prior to bidding. The following are details that must be considered along with all other considerations.

- Tanks shall be approved by NC DHHS, and certification supplied by the manufacturer.
- Tanks shall be water tested prior to installation.
- The installer shall be responsible to the owner for placement of the tanks and to insure that final grades are returned to the original natural grade, with exception of added structural features.
- The supply trench shall be compacted to eliminate cavities left during initial fill placement.
- Installation of the system shall be during dry conditions in order to protect the soil structure.
- All fittings shall be pressure rated fittings.
- All joints shall be cleaned with PVC pipe cleaner and a heavy bodied glue applied to weld all joints.
- Where required by the county health department, post installation inspections by the designer must be scheduled 5 week days in advance.
- Trenches shall be carefully excavated so the bottom is within 2" from the highest to . the lowest points of elevation within the trench. If the bottom elevation needs adjusting after it has been trenched, it will be done by removing high points rather than filling low points. It is extremely important to insure that trenches are not over excavated during initial trenching. All fine grading within the trench will be hand done with a shovel. No loose material will be left in the trench
- All pipe openings in the tanks shall be properly grouted. This also applies to the joints around the riser.
- All tanks shall be properly back filled and compacted to prevent slump at a later date.
- Earth dams, constructed of relatively impervious material, shall be installed at the beginning and end of each lateral.
- No heavy equipment shall be used on the field during or after installation. The use of a small loader (i.e. Bobcat) or a trencher (i.e. Ditch Witch 2300/2310) may be used for installation.
- Elevations at pinflag locations should be checked by the installer prior to beginning trenches.
- Septic tank riser shall be a minimum of 6" above finished grade.
- System is specified as a gravity 25% reduction (Accepted) installation.
- Repair is specified as a PPBPS with low pressure installation.

GRAVITY ACCEPTED SYSTEM FOR WASTEWATER TREATMENT

Applicant:	Clayton Homes
Address:	2026 Northside Drive Statesville, NC 28677
Phone:	704.239.1249
County:	Iredell
Location:	128 Brook Creek Drive Troutman, NC 28166
Source of Wastewater Flow:	3 Bedroom Single Family Residence
Estimated Gallons Per Day Flow:	360
System Flow:	N/A

Design Specifications

Drainfield Size:	328	
Loading Rate (gpd/ft.^{2}):	0.275	
Depth of Gravel in Trench:	N/A	
Gravel Size:	N/A	
Max.Trench Depth:	24 in.	Repair Trench Bottom 36 in.
Trench Width:	36 in.	
Septic Tank Size:	1000	

Estimated Supply Line Length:	21
Supply Line Diameter:	4 in. SCH 40 PVC
Supply Line Volume:	13.71
Dosing Volume:	N/A
Supply Manifold:	N/A
Supply Manifold Length:	N/A
Supply Manifold Volume:	N/A
Recommended Float Controls:	N/A
Recommended Control Panel:	N/A
Pressure Head:	N/A
Friction Head:	N/A
Elevation Head:	N/A
Total Dynamic Head:	N/A
Threaded Union:	N/A
Gate Valves:	N/A
Check Valves:	N/A
Anti-Siphon Hole:	N/A
Additional Comments:	Soil suitability was performed by Soil & Forestry Services of the Carolinas, PA

Layout Specifications - 128 Brook Creek Drive LOT 62

Project #: 20-0088

LAYOUT FOR 3 BEDROOM HOME 8/19/2020

LINE #	FLAG COLOR	BS	HI	FS	ELEVATION	FLAGGED LINE LENGTH	DESIGN LINE LENGTH
TBM							
INSTR. 1							
1	***PINK***					***48***	***48***
2	***RED***					***68***	***68***
3	***ORANGE***					***108***	***108***
4	***YELLOW***					***56***	***56***
5	***BLUE***					***48***	***48***
6	RED					74	74
7	ORANGE					45	45
8	YELLOW					39	39
9	BLUE					49	49
					Total	535	535

	LINE LENGTH	LTAR GPD/FT2	SYSTEM TYPE	SOIL LTAR GPD/FT2	TRENCH SYSTEM	DISTRIBUTION	TRENCH DEPTH
**** System***	***328***	***0.275***	***ACCEPT.***	***0.275***	***25% RED***	***GRAVITY***	24"
Repair	207	0.300	MOD. CONV	0.300	PPBPS	Low-Pressure	36"

Notes: **All measures in feet

**Nitrification lines are demonstrated on contour via colored pin flags

CALCULATIONS

Location 128 Brook Creek Drive
Troutman, NC 28166
Project Number 20-0088

Lot No: 62 Rocky Creek Cove

No. of Bedrooms 3

Design Flow 360 $^{gal}/_{day}$

LTAR 0.275 $^{gal}/_{ft^2\ day}$

PPBPS? (YES OR NO) NO

Supply Line Length 21 ft.

Supply Line Volume 13.713 gal.

Required Feet of Line 327.2727 ft.
Amount of Line from Layout 328 ft.

Gallons per Minute N/A $^{gal}/_{min}$

Required Septic Tank Capacity 1000 gal.
Septic Tank Size 1000 gal.

Panel Volume N/A gal.
# of Panels N/A
Dosing Volume N/A gal.

Tank Draw Down N/A

Pump Run Time

Elevation Head N/A ft.
Pressure Head N/A ft.
Friction Factor N/A ft./100 ft. *(From the interpolater.)*
Friction Head N/A ft.

Total Dynamic Head (+15%) N/A ft.

FRICTION FACTOR
INTERPOLATER
2" SCH 40 PVC

GPM	*f*
20	0.84
	-0.88
25	1.27
	-1.28
30	1.78
	-1.76
35	2.37
	-2.25
40	3.03
43.07	3.48
45	3.77
48.14	4.28
50	4.58
57.11	5.89
60	6.42

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet ___ of ___
PROPERTY ID #: 474[illegible]8924
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

4/15/20

OWNER: Iron Ivey LLC — APPLICATION DATE: [illegible]
ADDRESS: 935 Bronx River Avenue, Bronx NY 10473 — DATE EVALUATED: 2/4/20
PROPOSED FACILITY: 3BR — PROPOSED DESIGN FLOW (.1949): 360gpd — PROPERTY SIZE: 0.106 AC
LOCATION OF SITE: 128 Brook Creek Drive Lot 62 — 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	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
P 1	L/8%	0-8	BSL Gr	Fr SS SP	Few Fe. Depl. 31-36"	57	—	—	PS .25-.275
		8-17	RBSCL wfsbk	Fr SS SP					
		17-39	BRC wmsbk/Abk	Fr SS P					
		39-57	RB c/l wmsbk	F SS SP SEXP	- fsap				
P 2	L/6%	0-4	BSL Gr	Fr SS SP					PS-22 0.1 DRIP
		4-7	RBSCL wfsbk	Fr SS SP					
		7-40	BRC wmAbk/sbk	Fr SS P	Few toC, Fe Depl. @ 22-40" Chr 25 23-40"	53	—	—	
		40-53	RB c/cl wmsbk	F SS SP	- fsap				
P 3	L/8%	0-7	RBCL wmsbk	Fr SS SP					PS .3
		7-18	BRC wmsbk/Abk	Fr SS SP					
		18-42	RBCL wmsbk	Fr SS SP	- C to Many SAP Inclu.	42	PS	—	
		42-66	VAR L MASS	Fr SS SP	- Isolated Qtz vein				
P 4	L/14%	0-5	BSL Gr	Fr SS SP					PS .3
		5-15	BRC wmAbk/sbk	Fr SS SP					
		15-42	RBSCL wmAbk/sbk	Fr SS SP	- C to Many SAP	42	PS	—	
		42-62	VAR. SL MASS	Fr SS SP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	Accepted	Panel
Site LTAR	.275	.3

OTHER FACTORS (.1946): [illegible]
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: S. Ashley Rollans
OTHER(S) PRESENT: Chad Wagner

LICENSED SOIL SCIENTIST — STATE OF NORTH CAROLINA — 1281

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet-Complete all field in full)

PROPERTY ID #: 474000892 4

DATE OF EVALUATION: 4/15/20

COUNTY: Iredell

Lot 62

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
P 5	L/5%	0-2	BSLGR	FrSSSPSEXP	-f-csap	50	PS	—	PS 0.8
		2-23	BRCWMSBK/ABK	FrSSPSEXP					
		23-50	RBCLWFMSBK	FrSSSPSEXP					
		50-60	VARSL MASS						
P 6	L/15%	0-5	RBCL WMSBK	Fr SS SP SEXP	-Fcm to c.SAP	48	PS	—	PS -3-.35
		5-14	RCWMSBK	Fr SSSP SEXP					
		14-48	RBCL/SCL WFSBK	Fr SS SP SEXP					
		48-60	VAR SL. MASS	Fr SS SP					

COMMENTS: _____

RECEIVED AUG 2 1 2020

Session Law

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

APPLICATION FORM

Paid $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 AP-310292

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 (X) Custom Site Plan, scaled no more than 1 inch = 60 feet

Applicant Information: (PRINT CLEARLY)

Applicant Name: Clayton Homes **Address:** 2026 Northside Dr. Statesville NC **Zip:** 28677
Applicant Email: Keith.wilkins@Claytonhomes.com **Phone:** 704-239-1249 **Alt. Phone:**
Owner Name: Iron Ivey LLC **Address:** 935 Bronx River Avenue, Bronx NY **Zip:** 10473
Owner Email: dfspeed4@gmail.com **Phone:** 704-360-2874 **Alt. Phone:**

Property Information:

Street Address: 128 Brook Creek Dr. Troutman NC 28166
Subdivision Name: Rocky Creek Cove **Section/Phase:** SHT5 **Lot Number:** 62
Driving Directions: Hwy 150, Right on Perth Rd, Right Clontz Hill, Right on Ridge Creek Drive,

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

CHECK FOUNDATION TYPE

(✓) New Single Family Residence
( ) New Multi-Family Residence
( ) Accessory Building
( ) Bedroom(s) Addition
( ) Repair to failing septic system ___ Tank ___ Drain lines Describe Problem:
Maximum Number of Bedrooms: 3
Maximum Number of Occupants: 6
( ) Swimming Pool
( ) Other Addition/Structure:
(✓) 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 ( ) Community Well ( ) City Water ( ) Other Public Water

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

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: _____ 8/19/20
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

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, Iron Ivey LLC, am the legal owner(s) of the property located at 128 Brook Creek Dr. Troutman NC 28166, identified as PIN (Parcel Identification Number) 4740008924, located in Iredell County, North Carolina.

I do hereby authorize (print legal representative/company name) Samuel Ashley Rollans, Rollans Soil Environmental Services, to act as an agent on my behalf in applying for/signing/obtaining any of the documents described below. Clayton Homes Statesville

- 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.

Signature of Owner(s)	Date	Signature of Witness	Date
	9/27/19		9/27/19.

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

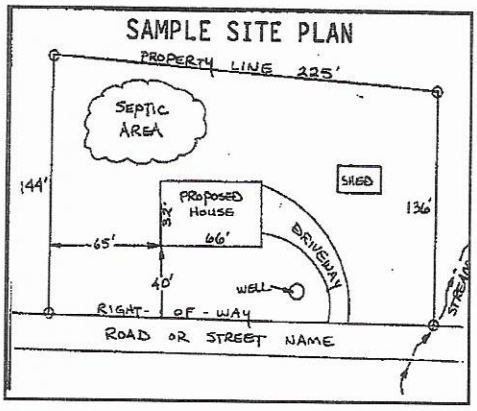
IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

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 OR WELL 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**
- (X) **Front and side setbacks from property line**
- (X) **Preferred driveway location**
- (X) **Preferred well location**
- (X) **Preferred septic system location**
- (X) **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)

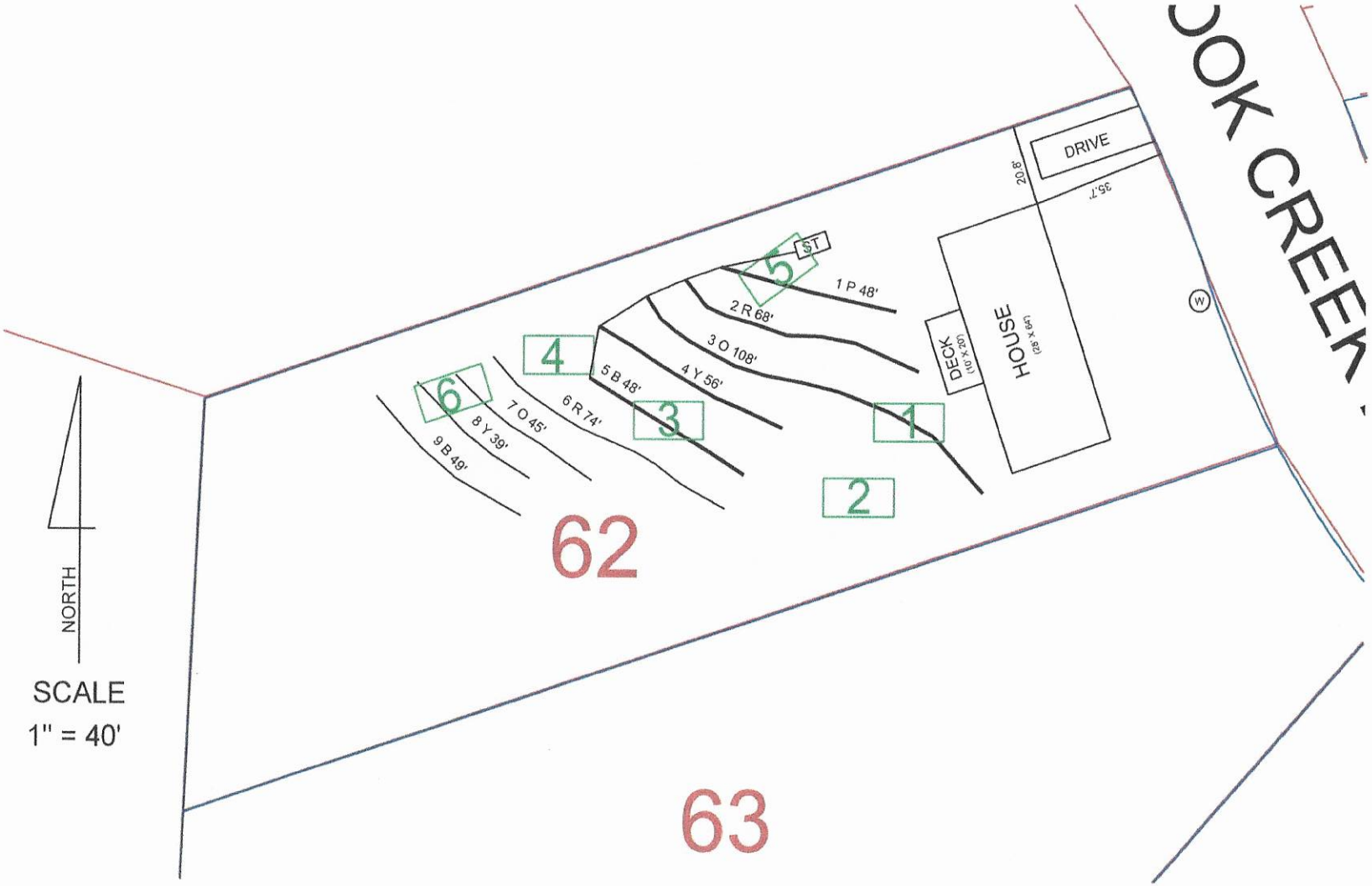
USE THIS SPACE TO DRAW YOUR SITE PLAN

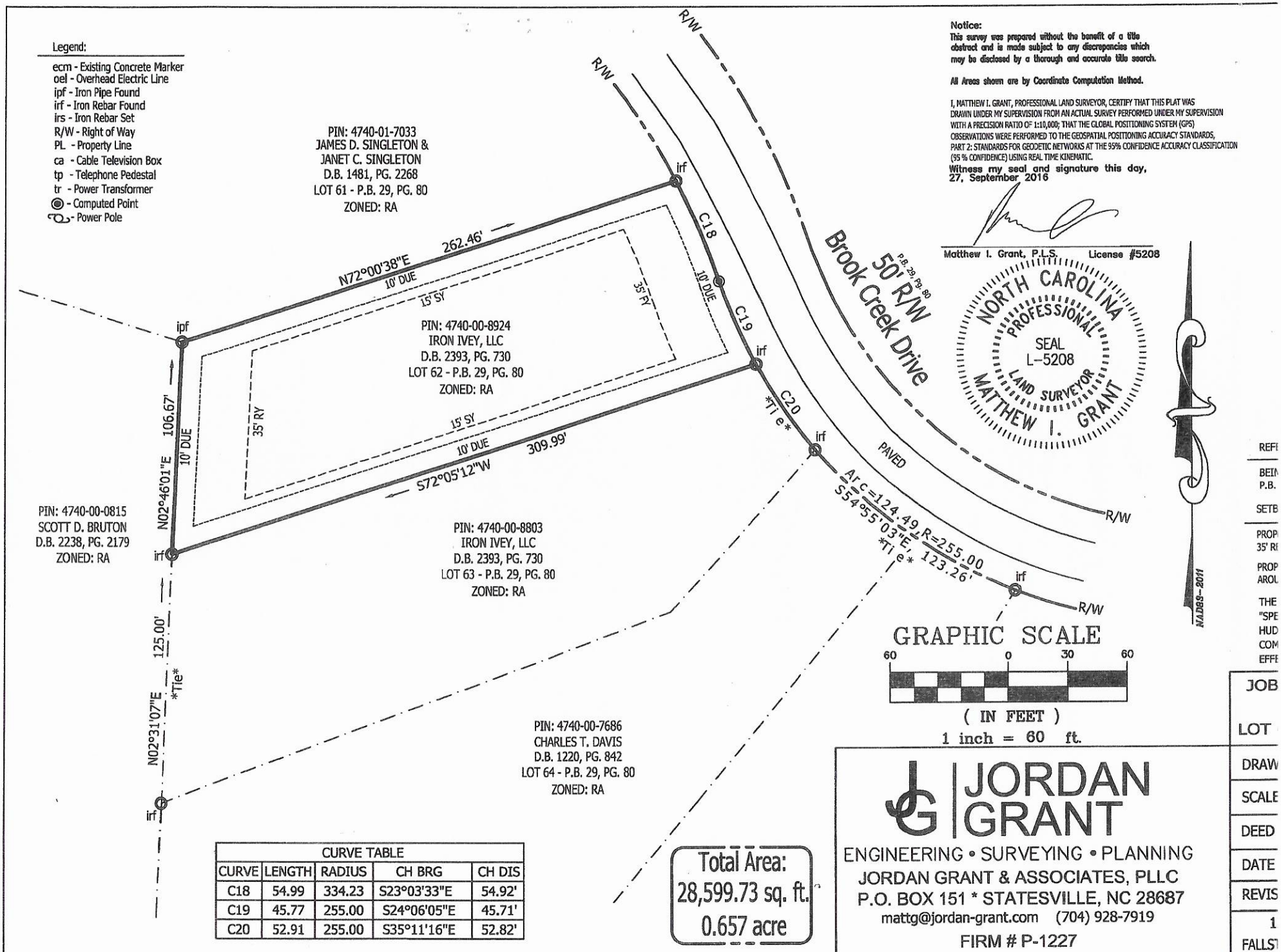
Show: proposed house or business footprint, wells, water lines, patios, pools and decks, and any other item that will occupy space on the site

See Attached

Signature: _____ 8/19/20

Property owner or owner's legal representative signature (SIGNATURE REQUIRED) **DATE**


DRIVE
20.8'
35.7'
HOUSE
(28' x 66')
DECK
(10' x 20')
W
ST
1 P 48'
2 R 68'
3 O 108'
4 Y 56'
5 B 48'
6 R 74'
7 O 45'
8 Y 39'
9 B 49'
1
2
3
4
5
6
62
63
NORTH
SCALE
1" = 40'



CURVE TABLE				
CURVE	LENGTH	RADIUS	CH BRG	CH DIS
C18	54.99	334.23	S23°03'33"E	54.92'
C19	45.77	255.00	S24°06'05"E	45.71'
C20	52.91	255.00	S35°11'16"E	52.82'

310292 new Floor Plans?

Acknowledgement Of Plans Submittal ONLY!

Date 2/17/21

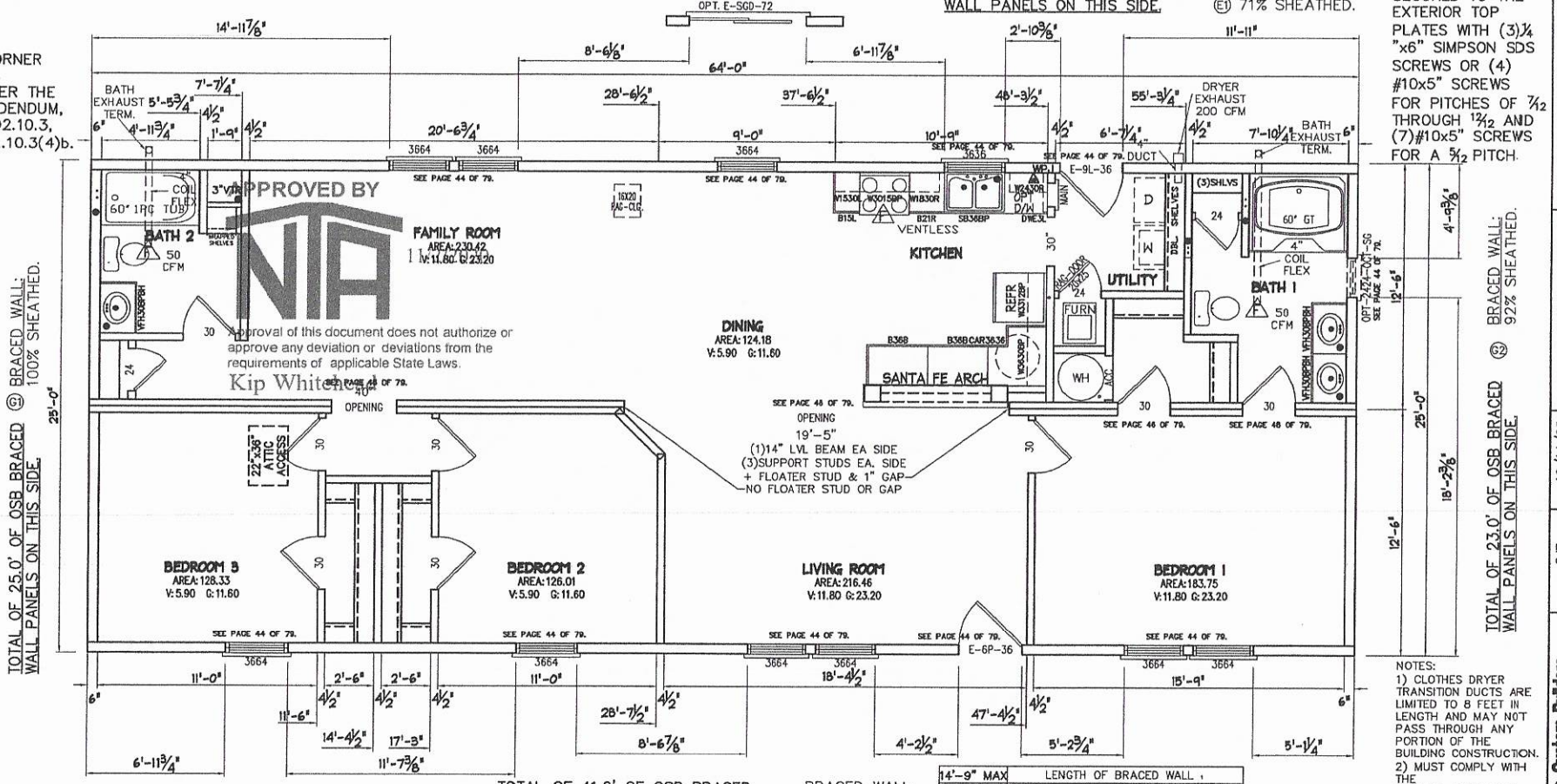
140–150mph NC NOTE FOR 5/12 THRU 9/12 PITCH ROOFS: PER SECTION R602.10.5.5, SOLID 2x BLOCKING IS INSTALLED, BETWEEN TRUSSES, ABOVE ALL SHEATHED SECTIONS OF EAVE WALL EQUAL TO AND GREATER THAN 24" WIDE AND IS ATTACHED TO THE TOP PLATES WITH 8d NAILS @ 6"oc ALONG THE LENGTH. THIS BLOCKING IS NOT REQUIRED ABOVE DOOR, WINDOW, AND OTHER SIMILAR OPENINGS.

140–150mph NOTES FOR EXTERIOR BRACED WALLS USING THE CS–WSP: CONTINUOUSLY SHEATHED WOOD STRUCTURAL PANEL METHOD:
1) ALL EXTERIOR WALLS ARE BRACED WALLS WITH 7/16" OSB SHEATHING FASTENED WITH 7/16" x1¼" x15ga STAPLES AT 2"oc STAGGERED ALONG HORIZONTAL EDGES, 3"oc ALONG VERTICAL EDGES, AND 4"oc IN THE FIELD. ALL EXTERIOR WALLS WITH LESS THAN 50% OF SHEATHING, BUT MORE THAN 25% SHEATHING REQUIRE BLOCKING AT JOINTS AND MUST BE FASTENED WITH 8d (2½"x0.131"d) NAILS AT 3"oc ALONG THE EDGES AND 6"oc IN THE FIELD. LESS THAN 25% SHEATHING REQUIRES A P.E. DESIGN.
2) SEE SHEET 5.1 FOR ADDITIONAL BRACED WALL NOTES AND DETAILS.
3) ALL EXTERIOR BRACED WALLS ARE BLOCKED AT JOINTS.

TRUSS CONNECTIONS NOTE FOR A 30' MAX. MEAN ROOF HEIGHT: INTERIOR AND EXTERIOR ZONE TRUSSES ARE SECURED TO THE EXTERIOR TOP PLATES WITH (3)¼"x6" SIMPSON SDS SCREWS OR (4) #10x5" SCREWS FOR PITCHES OF 7/12 THROUGH 12/12 AND (7)#10x5" SCREWS FOR A 5/12 PITCH.

NOTE: EXTERIOR CORNER FRAMING, AS REQUIRED, PER THE 2018 NC ADDENDUM, SECTION R602.10.3, FIGURE R602.10.3(4)b.

TOTAL OF 45.3' OF OSB BRACED WALL PANELS ON THIS SIDE. (E1) BRACED WALL: 71% SHEATHED.



TOTAL OF 25.0' OF OSB BRACED WALL PANELS ON THIS SIDE. (G2) BRACED WALL: 100% SHEATHED.

TOTAL OF 23.0' OF OSB BRACED WALL PANELS ON THIS SIDE. (G2) BRACED WALL: 92% SHEATHED.

TOTAL OF 41.9' OF OSB BRACED WALL PANELS ON THIS SIDE. (E2) BRACED WALL: 65% SHEATHED.

14'-9" MAX	LENGTH OF BRACED WALL ,			
PITCH	5/12 w/10' EAVE–TO–RIDGE HT.			
WALL	EAVE 1	EAVE 2	GABLE 1	GABLE 2
LEGEND	(E1)	(E2)	(G1)	(G2)
LENGTH OF PERP. SIDE	25.0'	25.0'	64.0'	64.0'
MIN. LENGTH REQ'D. 1	4.3'	4.3'	11.1'	11.1'
TOTAL PROVIDED	45.3'	41.9'	25.0'	23.0'

1. FROM TABLE R602.10.3 WITH A TYPICAL 130 MPH DESIGN USING 1.3 FACTOR FOR EXPOSURE C & 0.95 FACTOR FOR 9' CEILINGS.
2. REQUIRED LENGTHS DERIVED FROM WORSE CASE COLUMN FROM TABLE R602.10.3 ILO INTERPOLATION.

NOTES:
1) CLOTHES DRYER TRANSITION DUCTS ARE LIMITED TO 8 FEET IN LENGTH AND MAY NOT PASS THROUGH ANY PORTION OF THE BUILDING CONSTRUCTION.
2) MUST COMPLY WITH THE 2018 NC MECHANICAL CODE SECTION 504.6.
3) MUST HAVE BACKDRAFT DAMPER REQUIRED PER M1502.3.

NC NOTE: COMPLIES WITH CH. 45, TABLE 4506.2. ATTACHED CALC PAGE CN–1C SHOWS ALLOWANCE FOR A STAPLE SUBSTITUTION.

ALL APPLIANCES ARE SHOWN FOR REPRESENTATION ONLY. INSTALLATION AND/OR SHIPPING OF APPLIANCES DEPENDS ON SALES ORDER.

NOTES:
1) ● – DENOTES A PLUMBING VENT.
2) AIR ADMITTANCE VALVES ARE USED.
3) ○ – PVC CHASE PIPES ARE FOR FIELD USE ONLY.
4) RANGE HOODS AND FIREPLACES ARE VENTLESS.

TOTAL AREA = 1600sf

SEE NEXT PAGE FOR ADDITIONAL NOTES!

8' CEILING

SHEET 5.0

211

64'-0" x 25'-0"

13-CP-64'

1st AREA CALCS

DRAWN CJR DATE 10/14/20

REV. DATE

SCALE 3/16"=1'-0"

Mario & Crestline Custom Builders
5880 Crestline Road
Lawrenburg, NC 28352
1-800-772-0195
www.mariocustombuilders.com
www.crestlinecustombuilders.com

APPROVED BY NTA
Approval of this document does not authorize or approve any deviation or deviations from the requirements of applicable State Laws.
Kip Whitehead

IREDELL COUNTY · NC

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

APPLICATION NUMBER
310292 Issue Date: 08/21/2020

Permit Type: ZONING

Parcel Number	Street Address	Jurisdiction
4740008924.000	128 BROOK CREEK DR	IREDELL COUNTY

Owner Information	Applicant Information
Name: IRON IVEY LLC	Name: CLAYTON HOMES OF STATESVILLE
Address: 935 BRONX RIVER AVENUE	Address: 2026 NORTHSIDE DR
BRONX, NY 10473	STATESVILLE, NC 28677
Phone:	Phone: (704)873-2547

Use Requested	Zone Code
Double-Wide Mobile Home	RA

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
0	35	35	15	15	WSIV-CA Catawba/Lake Norman	NO

Remarks

DWMH

REQUIREMENTS FOR ALL MULTI -SECTIONAL MOBILE HOMES Must meet requirement R9 of the LDC. Minimum size of main body is at least 22 feet by 40 feet; Must have standard residential shingles; Minimum of 3/12 roof pitch; Must have continuous masonry underpinning; Must have minimum roof eave and raker projections of 6 inches; Must have a 36 square foot deck or porch at all front entrances; Exterior siding must consist of vinyl or aluminum lap siding, wood, or hardboard, comparable in composition, appearance and durability to residential siding; Must remove towing apparatus; Must face front property line and be no less than 20 degrees from parallel to the front property line. Original mobile home must be removed before Certificate of Occupancy can be approved.

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.

Signature of Owner/Contractor

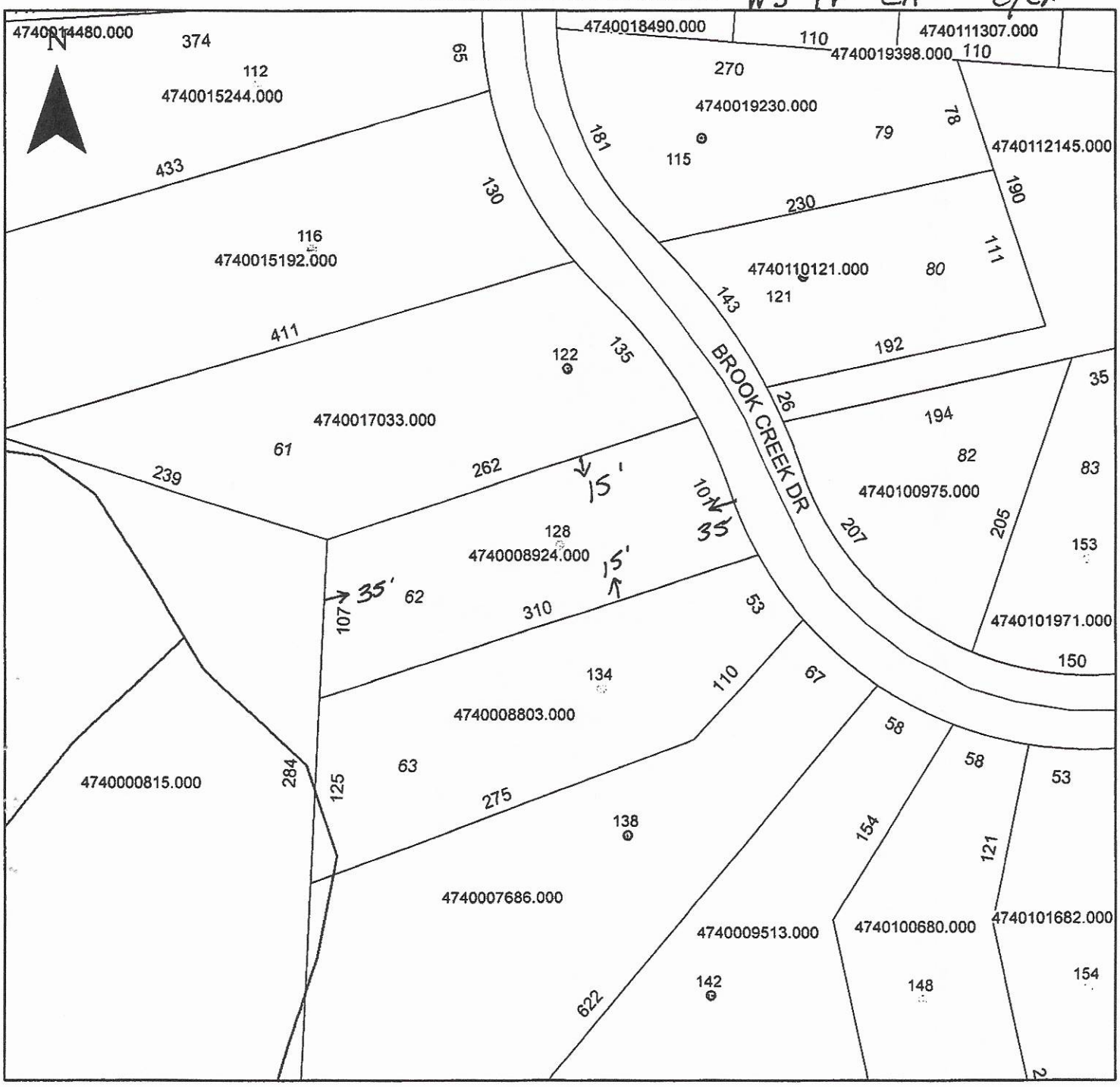
Date: 08/21/2020

Permit Number	310292	TOTAL FEES:	

310292

KH
FL- NO
WS IV CA C/LN

ZONING DISCLAIMER



Property Address 128 Brook Creek Dr.

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.

Brandon Lee
Applicant

8-21-20
Date