ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 | Mooresville Office (704) 660-3625 | PERMIT # AP-310 256

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

PIN # 4740 -01 -2346

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

SITE ADDRESS: 130 RIDGE CREEK DRIVE, TROUTMAN, N.C. 28166 PHONE: 704-239-1249 ALT. PHONE 704-360-2874

SITE DIRECTIONS: (S) ON 21, (R) ON FLOWER HOUSE, (R) ON CLONTZ HILL, (L) ON RIDGECREEK, LOT ON (R) SAP CONTROLLED: ☐ YES ☐ NO REPAIR

SUBDIVISION: ROCKY CREEK COVE SECTION: SHT1 LOT # 54 LOT AREA: 1.12 AC DESIGN FLOW: 480 GPD L.T.A.R.: 0.3 (0.35)

Septic Tank	1000	(gal)	STB		Date	☑ New System	☐ Repair	☐ Expansion	System Type: I II (III) IV V VI	☑ Residence	No. Bedrooms 4
Pump Tank	–	(gal)	PT	–	Date –	System Description:	25% REDUCTION			☐ Business	No. Persons 8
Pump Make	–	Model		–	Serial # –	Repair System Description:	25% REDUCTION			☐ Other	No. Employees –
# Nitrification Fields	1	# Lines	5		Linear Ft: 400 FT	Maintenance Agreement Required:	☐ YES	☑ NO		☐ Slab	☑ Crawl Space
Trench Width	36 IN	Trench Bottom Depth			MAX 36 IN Gravel Depth		☑ GRAVITY	☐ PRESSURE		☐ Basement w/plumbing	☐ Basement w/o plumbing

Water Supply: ☑ Private ☐ Public ☐ Community

Comments / Conditions: SITE PLAN MUST BE ATTACHED AT ALL TIMES
SHEDS MUST BE REMOVED PRIOR TO A.C. Shed moved 5/3/22

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.

Installed as Drawn

COPY

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: Piedmont Backhoe

IMPROVEMENT PERMIT by: Bradford C. White Date: 9-17-2020 OPERATION PERMIT by: Cary Whit Date: 6/1/22

AUTHORIZATION TO CONSTRUCT by: [signature] Dimeberg Date: 5/3/22 Existing System Inspected by: Date:

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

ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 | Mooresville Office (704) 660-3625 (BB) | PERMIT # AP-310286

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

PIN # 4740-01-2346

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

SITE ADDRESS: 130 RIDGE CREEK DRIVE, TROUTMAN, N.C. 28166 PHONE: 704-239-1249 ALT. PHONE 704-360-2874

SITE DIRECTIONS: (S) ON 21, (R) ON FLOWER HOUSE, (R) ON CLONTZ HILL, (L) ON RIDGECREEK, LOT ON (R) SAP CONTROLLED: [x] YES [ ] NO REPAIR

SUBDIVISION: ROCKY CREEK COVE SECTION: SHT1 LOT # 54 LOT AREA: 1.12 AC DESIGN FLOW: 480GPD L.T.A.R.: 0.3 (0.35)

Septic Tank	1000 (gal)	STB		Date		[x] New System	[ ] Repair	[ ] Expansion	System Type: I II (III) IV V VI	[x] Residence	No. Bedrooms 4
Pump Tank	– (gal)	PT	–	Date	–	System Description:	25% REDUCTION			[ ] Business	No. Persons 8
Pump Make	–	Model	–	Serial #	–	Repair System Description:	25% REDUCTION			[ ] Other	No. Employees –
# Nitrification Fields	1	# Lines	5	Linear Ft	400FT	Maintenance Agreement Required:	[ ] YES	[x] NO		[ ] Slab	[x] Crawl Space
Trench Width	36IN	Trench Bottom Depth	MAX 36IN	Gravel Depth		[x] GRAVITY	[ ] PRESSURE			[ ] Basement w/plumbing	[ ] Basement w/o plumbing

Water Supply: [x] Private [ ] Public [ ] Community

Comments / Conditions: SITE PLAN MUST BE ATTACHED AT ALL TIMES
SHEDS MUST BE REMOVED PRIOR TO A.C. (Shed moved 5/3/22)

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**

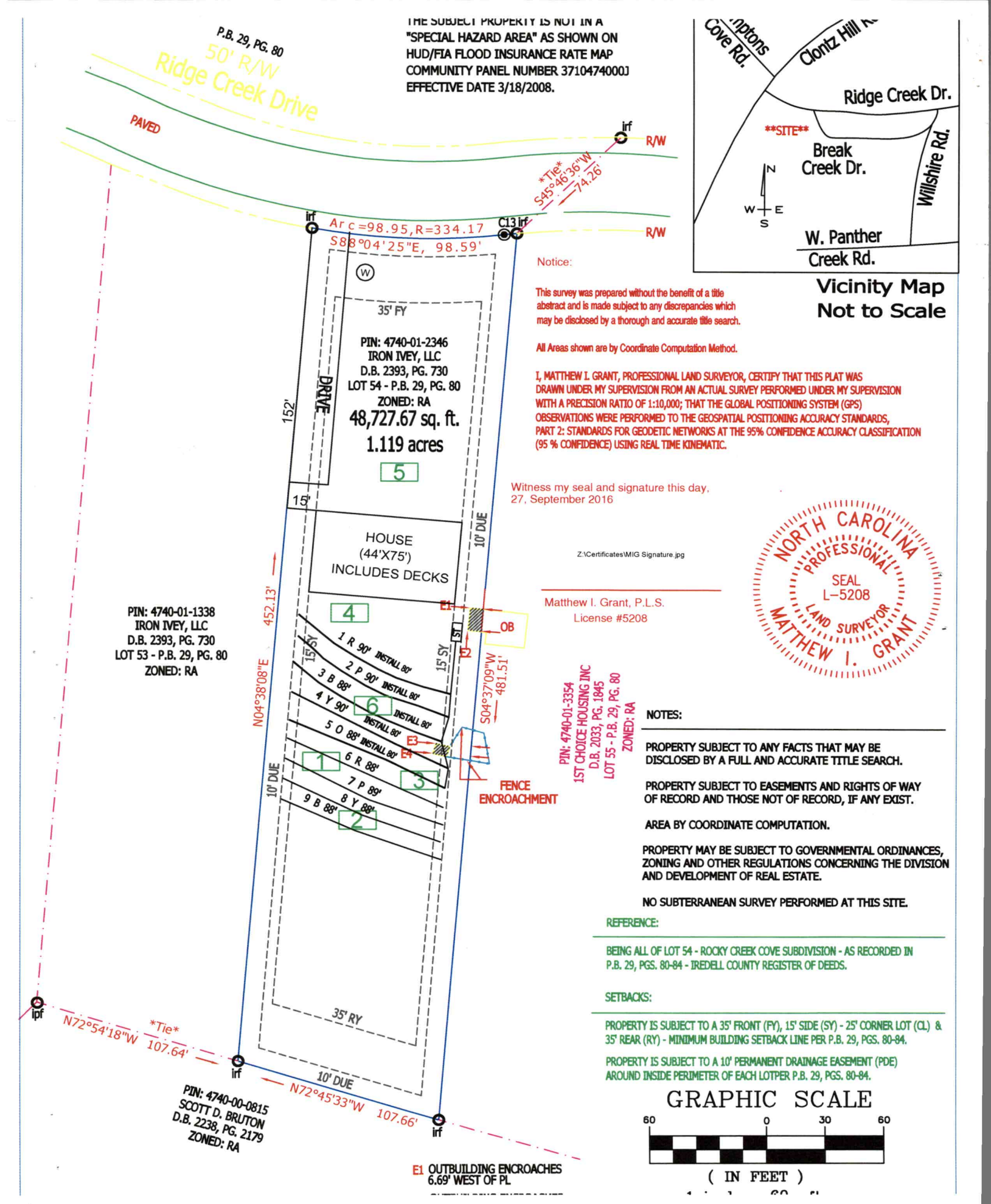
[ ] **IMPROVEMENT PERMIT** *with plat valid without expiration.* [x] **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* [X] **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: [signature] Date: 10-5-2020 Installed by:

IMPROVEMENT PERMIT by: Bradford C. White Date: 9-17-2020 OPERATION PERMIT by: Date:

AUTHORIZATION TO CONSTRUCT by: [signature] D Mieberg Date: 5/3/22 Existing System Inspected by: Date:

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


THE SUBJECT PROPERTY IS NOT IN A "SPECIAL HAZARD AREA" AS SHOWN ON HUD/FIA FLOOD INSURANCE RATE MAP COMMUNITY PANEL NUMBER 3710474000J EFFECTIVE DATE 3/18/2008.
P.B. 29, PG. 80
50' R/W
Ridge Creek Drive
PAVED
irf
R/W
Tie
S45°46'36"W
74.26'
Arc=98.95,R=334.17
S88°04'25"E, 98.59'
C13
35' FY
PIN: 4740-01-2346
IRON IVEY, LLC
D.B. 2393, PG. 730
LOT 54 - P.B. 29, PG. 80
ZONED: RA
48,727.67 sq. ft.
1.119 acres
5
DRIVE
152'
15'
HOUSE
(44'X75')
INCLUDES DECKS
10' DUE
4
E1
OB
E2
15' SY
1 R 90' INSTALL 80'
2 P 90' INSTALL 80'
3 B 88'
4 Y 90'
6
INSTALL 80'
5 O 88' INSTALL 80'
E3
E4
6 R 88'
7 P 89'
8 Y 88'
9 B 88'
1
3
2
35' RY
10' DUE
452.13'
N04°38'08"E
S04°37'09"W
481.51'
FENCE ENCROACHMENT
PIN: 4740-01-1338
IRON IVEY, LLC
D.B. 2393, PG. 730
LOT 53 - P.B. 29, PG. 80
ZONED: RA
PIN: 4740-01-3354
1ST CHOICE HOUSING INC
D.B. 2033, PG. 1845
LOT 55 - P.B. 29, PG. 80
ZONED: RA
ipf
N72°54'18"W
Tie
107.64'
irf
10' DUE
N72°45'33"W
107.66'
irf
PIN: 4740-00-0815
SCOTT D. BRUTON
D.B. 2238, PG. 2179
ZONED: RA
E1 OUTBUILDING ENCROACHES 6.69' WEST OF PL
Cove Rd.
Clontz Hill Rd.
Ridge Creek Dr.
SITE
Break Creek Dr.
Willshire Rd.
W. Panther Creek Rd.
N
W
E
S
Vicinity Map
Not to Scale
Notice:
This survey was prepared without the benefit of a title abstract and is made subject to any discrepancies which may be disclosed by a thorough and accurate title search.
All Areas shown are by Coordinate Computation Method.
I, MATTHEW I. GRANT, PROFESSIONAL LAND SURVEYOR, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY PERFORMED UNDER MY SUPERVISION WITH A PRECISION RATIO OF 1:10,000; THAT THE GLOBAL POSITIONING SYSTEM (GPS) OBSERVATIONS WERE PERFORMED TO THE GEOSPATIAL POSITIONING ACCURACY STANDARDS, PART 2: STANDARDS FOR GEODETIC NETWORKS AT THE 95% CONFIDENCE ACCURACY CLASSIFICATION (95 % CONFIDENCE) USING REAL TIME KINEMATIC.
Witness my seal and signature this day, 27, September 2016
Z:\Certificates\MIG Signature.jpg
Matthew I. Grant, P.L.S.
License #5208
NORTH CAROLINA PROFESSIONAL SEAL L-5208 LAND SURVEYOR MATTHEW I. GRANT
NOTES:
PROPERTY SUBJECT TO ANY FACTS THAT MAY BE DISCLOSED BY A FULL AND ACCURATE TITLE SEARCH.
PROPERTY SUBJECT TO EASEMENTS AND RIGHTS OF WAY OF RECORD AND THOSE NOT OF RECORD, IF ANY EXIST.
AREA BY COORDINATE COMPUTATION.
PROPERTY MAY BE SUBJECT TO GOVERNMENTAL ORDINANCES, ZONING AND OTHER REGULATIONS CONCERNING THE DIVISION AND DEVELOPMENT OF REAL ESTATE.
NO SUBTERRANEAN SURVEY PERFORMED AT THIS SITE.
REFERENCE:
BEING ALL OF LOT 54 - ROCKY CREEK COVE SUBDIVISION - AS RECORDED IN P.B. 29, PGS. 80-84 - IREDELL COUNTY REGISTER OF DEEDS.
SETBACKS:
PROPERTY IS SUBJECT TO A 35' FRONT (FY), 15' SIDE (SY) - 25' CORNER LOT (CL) & 35' REAR (RY) - MINIMUM BUILDING SETBACK LINE PER P.B. 29, PGS. 80-84.
PROPERTY IS SUBJECT TO A 10' PERMANENT DRAINAGE EASEMENT (PDE) AROUND INSIDE PERIMETER OF EACH LOTPER P.B. 29, PGS. 80-84.
GRAPHIC SCALE
60 0 30 60
(IN FEET)

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 4 Bedroom Residence (Crawl Space) at Rocky Creek Cove, Lot 54, 1.119 ac Parcel, PIN# 4740012346, 130 Ridge 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 hardwood. Topography within the evaluated area was a gentle to moderate slope near the house site and proposed drainfield area. Property lines and corners were marked at the time of the evaluation by Jordan-Grant Associates. The Surveyor provided an Autocad File of the survey 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 or immediately adjacent to the 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 boring. 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 54 (*See Attached Design*)
The septic layout for this lot (9' centers) yielded a total of 799 linear feet of line. The primary system is proposed as 400 linear feet of Accepted (25% Reduction) drainfield with gravity distribution. Trench depth is specified at 36 inches. The repair system is proposed as 352 linear feet of Accepted (25% 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 Clayton Homes Date

Print Name JONATHAN WAYNE HARRELL

Signature _____ 8/20/2020

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 54 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. Rollans 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 4 bedroom single family residence on Lot 54, 130 Ridge Creek Dr. Troutman 28166, (PIN 4740012346), Iredell County, North Carolina.

Contents: **Page**

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

Design Information
- Design Specifications---------- 2-3
- Layout Specifications---------- 4

Site Plan/System Plan---------- 5

Calculations---------- 6

Profile Descriptions---------- 7-8

Zoning Permit & Receipt---------- 9-10

Application---------- 11-12

Green Sheet---------- 13

Agent Authorization Form---------- 14

LICENSED SOIL SCIENTIST
Samuel A. Roll
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 gravity 25% reduction (Accepted) installation.

GRAVITY ACCEPTED SYSTEM
FOR WASTEWATER TREATMENT

Applicant:	Clayton Homes
Address:	2026 Northside Drive Statesville, NC 28677
Phone:	704.239.1249
County:	Iredell
Location:	130 Ridge Creek Drive Troutman, NC 28166
Source of Wastewater Flow:	4 Bedroom Single Family Residence
Estimated Gallons Per Day Flow:	480
System Flow:	N/A

Design Specifications

Drainfield Size:	400	
Loading Rate (gpd/ft.^{2}):	0.3	
Depth of Gravel in Trench:	N/A	
Gravel Size:	N/A	
Max.Trench Depth:	36 in.	Repair Trench Bottom 36 in.
Trench Width:	36 in.	
Septic Tank Size:	1000	

Estimated Supply Line Length:	29
Supply Line Diameter:	4 in. SCH 40 PVC
Supply Line Volume:	18.94
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

130 Ridge Creek Drive

ACCEPTED SYSTEM

DESIGN FLOW (gpd):	480
SOIL APPLICATION RATE (gpd/ft.^{2}):	0.3
TOTAL AREA TRENCH BOTTOM:	1200
TOTAL LATERAL LENGTH:	400
NUMBER OF FIELDS:	1
LATERAL LENGTH REQUIRED PER FIELD:	400
SUPPLY LINE LENGTH:	29
TOTAL DYNAMIC HEAD:	N/A
MANIFOLD SIZE:	N/A
DOSING VOLUME:	N/A
PUMP TANK DRAW DOWN*:	N/A
SEPTIC TANK SIZE:	1000

Layout Specifications - 130 Ridge Creek Drive LOT 54

Project #: 20-0088

LAYOUT FOR 4 BEDROOM HOME 8/19/2020

LINE #	FLAG COLOR	BS	HI	FS	ELEVATION	FLAGGED LINE LENGTH	DESIGN LINE LENGTH
TBM							
INSTR. 1							
1	***RED***					***90***	***80***
2	***PINK***					***90***	***80***
3	***BLUE***					***88***	***80***
4	***YELLOW***					***90***	***80***
5	***ORANGE***					***88***	***80***
6	RED					88	88
7	PINK					89	88
8	YELLOW					88	88
9	BLUE					88	88
					Total	799	752

	LINE LENGTH	LTAR GPD/FT2	SYSTEM TYPE	SOIL LTAR GPD/FT2	TRENCH SYSTEM	DISTRIBUTION	TRENCH DEPTH
**** System***	***400***	***0.300***	***ACCEPT.***	***0.300***	***25% RED***	***GRAVITY***	36"
Repair	352	0.350	ACCEPT.	0.300	25% RED	GRAVITY	36"

Notes: **All measures in feet

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

CALCULATIONS

Location 130 Ridge Creek Drive
Troutman, NC 28166
Project Number 20-0088

Lot No: 54 Rocky Creek Cove

No. of Bedrooms 4

Design Flow 480 $^{gal}/_{day}$

LTAR 0.300 $^{gal}/_{ft^2\ day}$

PPBPS? (YES OR NO) NO

Supply Line Length 29 ft.

Supply Line Volume 18.937 gal.

Required Feet of Line 400 ft.
Amount of Line from Layout 400 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 1 of 2
PROPERTY ID #: 47001234676
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: IRON IVEY
ADDRESS: 935 Bronx River Ave, NY. Bronx 10473
PROPOSED FACILITY: 4BR
PROPOSED DESIGN FLOW (.1949): 480 gpd
LOCATION OF SITE: Lot 54 Rocky Creek Cove
APPLICATION DATE
DATE EVALUATED: 2017
PROPERTY SIZE: 1.19ac
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	L/18%	0-2	B L WFGR	FR SS SP	N/A	33	PS	—	PS .35-.4
		2-33	RB CL WMSBK	FR SS SP f-SAP					
		33-72	VAR SL MASS	FR NS NP					
2	L/15%	0-5	BR CL WFSBK	FR SS SP		46	PS	—	PS .35
		5-17	BR C WMSBK	FR SS SP					
		17-46	RB CL WFSBK	FR SS SP f-C-SAP					
		46-64	VAR fSL MASS	FR SS SP					
3	L/15%	0-6	B SL WFGR	FR SS SP		68	N/A	—	PS .3-.35
		6-11	BR CL WMSBK	FR SS SP					
		11-25	R C WMS	FI SS P					
		25-33	RB CL WFS	FR SS SP f-SAP					
		33-68	RY L WFS/A	FR SS SP C-SAP					
4	SH 4%	0-6	BR CL WFSBK	FR SS SP		63	N/A	—	PS .3-.35
		6-16	R C WMS/A	FI SS SP					
		16-24	RB CL WFS	FR SS SP f-SAP					
		24-63	RY L WFS/A	FR SS SP C-SAP					

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

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	Accepted	Accepted
Site LTAR	0.3-0.4	0.3-0.4

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: S. Ashley Rollans
OTHER(S) PRESENT: C Wagner, W. Overby

COMMENTS:

PIT 5

L/8%

0-17	RB	C	WMSBK	FR	SS	SP		PS
17-36	RB	CL	WFSBK	FR	SS	SP	f-c SAP	.35-.4
36-64	VAR	L/SL	MASS	FR	NS	NP	NEXP	

Layout Lot 54

Y 83
G 88
R 88
P 89
Y 88
B 87
O 87
R 85

695

SOIL/SITE EVALUATION

(Continuation Sheet-Complete all field in full)

PROPERTY ID #: 4740012346
DATE OF EVALUATION: 2019
COUNTY: Iredell

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	
P6	L/4%	0-9	BR CL wfsbk	Fr SS SP					PS
		9-22	RC wmsbk	Fr SS SP					.3-.35
		22-34	RBCL wfsbk	Fr SS SP	+FWSHP	34	PS	—	
		34-65	RYL wfsbk/abk	Fr SS SP	+C.SHP				

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-310286

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@Claytonhmes.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: 130 Ridge Creek Dr. Troutman NC 28166
Subdivision Name: Rocky Creek Cove **Section/Phase:** SHT 4 **Lot Number:** 54
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 — Maximum Number of Bedrooms: 4 — (✓) Crawl Space Foundation
( ) New Multi-Family Residence — Maximum Number of Occupants: 8 — ( ) Concrete Slab Foundation
( ) Accessory Building — ( ) Swimming Pool — ( ) Basement with Plumbing
( ) Bedroom(s) Addition — ( ) Other Addition/Structure: — ( ) Basement without Plumbing
( ) Repair to failing septic system ___ Tank ___ Drain lines Describe Problem:

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

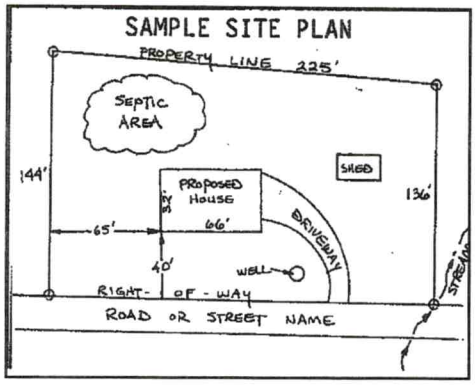
IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

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: Samuel A Fuller

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

8/19/20

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 130 Ridge Creek Dr. Troutman NC 28166, identified as PIN (Parcel Identification Number) 4740012346, 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 · NC

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

APPLICATION NUMBER
310286 Issue Date: 08/21/2020

Permit Type: ZONING

Parcel Number	Street Address	Jurisdiction
4740012346.000	130 RIDGE 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.

Date: 08/21/2020

Signature of Owner/Contractor

Permit Number	310286	TOTAL FEES:	$77.25

IREDELL COUNTY PLANNING & DEVELOPMENT
PO BOX 788, STATESVILLE NC 28687-0788
349 N. Center Street / Building Standards Center
(704) 878-3118 / FAX (704)878-3171

Residential Zoning Permit Application

What are you building?(Please check) ***No building or addition shall be used for commercial, business, or other non-residential use unless appropriate permits and approval are obtained from Iredell County for commercial use.**

Stick built___ Modular___ Duplex___ Singlewide___ Doublewide ✓ Pier___ Addition___ Bedroom addition___

Accessory dwelling (ie: M-I-L Suite, guest house) ___ Accessory building (ie: garage, shed)___ Swimming pool___

Are there any other structures currently on the property such as dwellings, sheds, garages? (Please list type below)

Is there a septic tank on the property? Yes (No) If residence how many bedrooms? 4 and stories? 1

Please describe project (Details, Purpose, or Use): _____

Please list square footage of project (Pier, Addition, Accessory Dwelling, Accessory Building only): _____

Does the property have community water? Yes (No) If yes, please list who provides it: _____

Does the property have community sewer? Yes (No) If yes, please list who provides it: _____

Owner Information

Property Owner's Name Iron Ivey LLC Phone # 704-360-2874

Owner's Current Address 935 Bronx River Ave. Bronx, NY 10473

Property Information

Property Address 130 Ridge Creek Dr Troutman Parcel # _____

Subdivision: Rock Creek Cove Lot: 54 Zoning: ____ Watershed: Y / N Flood Plain: Y / N Township: _____

Directions to property (from a MAIN ROAD) Hwy 150 Rt on Perth Rd, Rt on Clontz Hill, Rt on Ridge Creek Dr.

Application Information

Applicant's Name or Company Clayton Homes Applicant's Phone # 704-873-2547

Applicant's Address 2026 Northside Dr. Statesville, NC

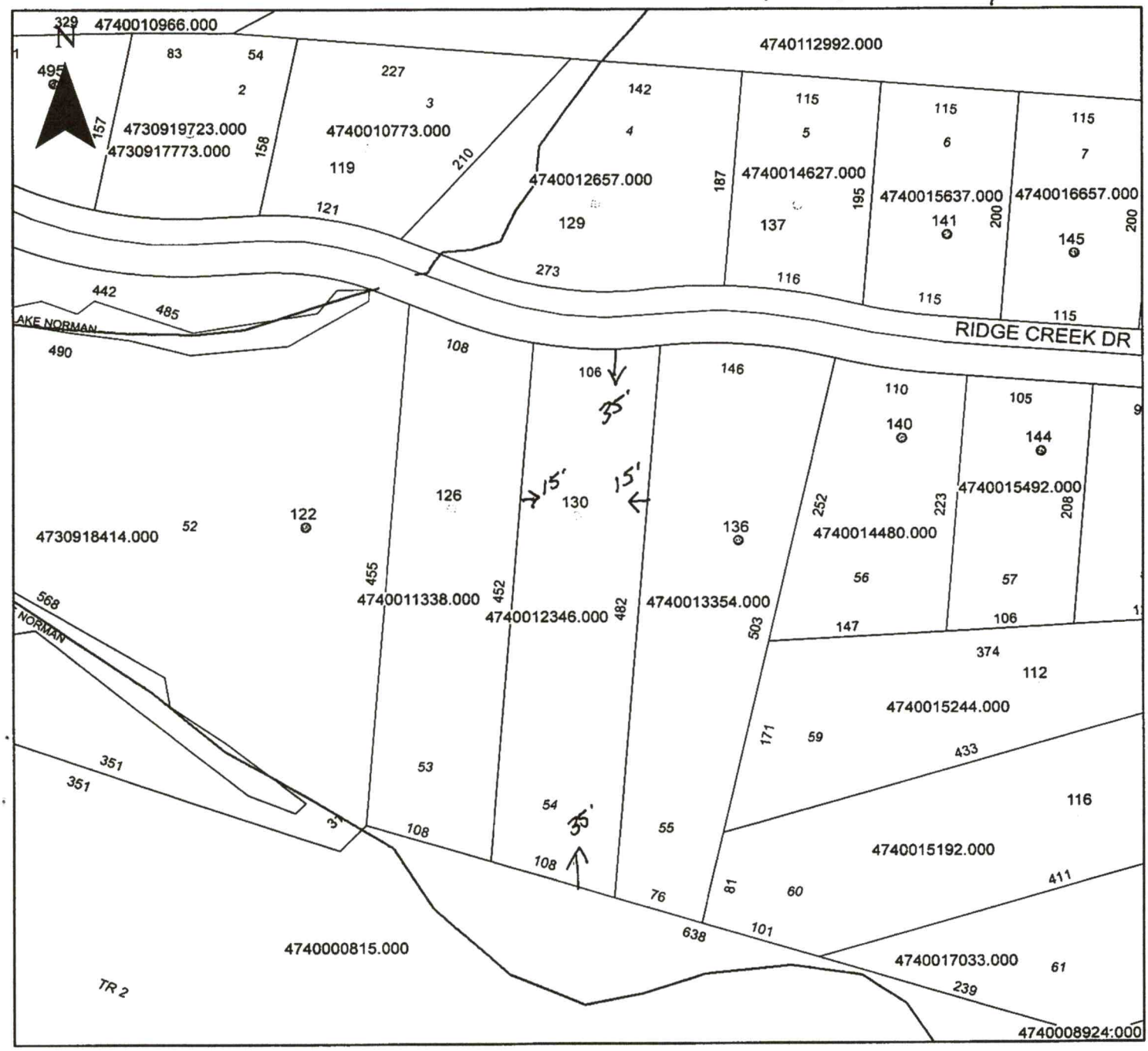
If Company, Representative's Name and Title Brenda Sigmon / Project Coordinator

IN APPLYING FOR A ZONING PERMIT I CERTIFY THAT ALL INFORMATION ON THIS APPLICATION IS CORRECT AND THAT ALL WORK WILL COMPLY WITH IREDELL COUNTY ZONING REGULATIONS. THE IREDELL COUNTY PLANNING & DEVELOPMENT DEPARTMENT WILL BE NOTIFIED OF ANY CHANGES THAT ARE MADE TO THIS PROJECT. I AM AWARE THAT THIS IS AN APPLICATION ONLY - NOT A PERMIT - AND DOES NOT CONSTITUTE APPROVAL OF THIS PROJECT. HOWEVER, IF THIS PROJECT IS APPROVED, THIS SIGNATURE IS VALID FOR MY PERMIT.

SIGNATURE OF APPLICANT Brenda Sigmon DATE 8-21-20

31V286

ZONING DISCLAIMER WS IV CA C/LN FL-N



Property Address 130 Ridge 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.

Brenda Lopez

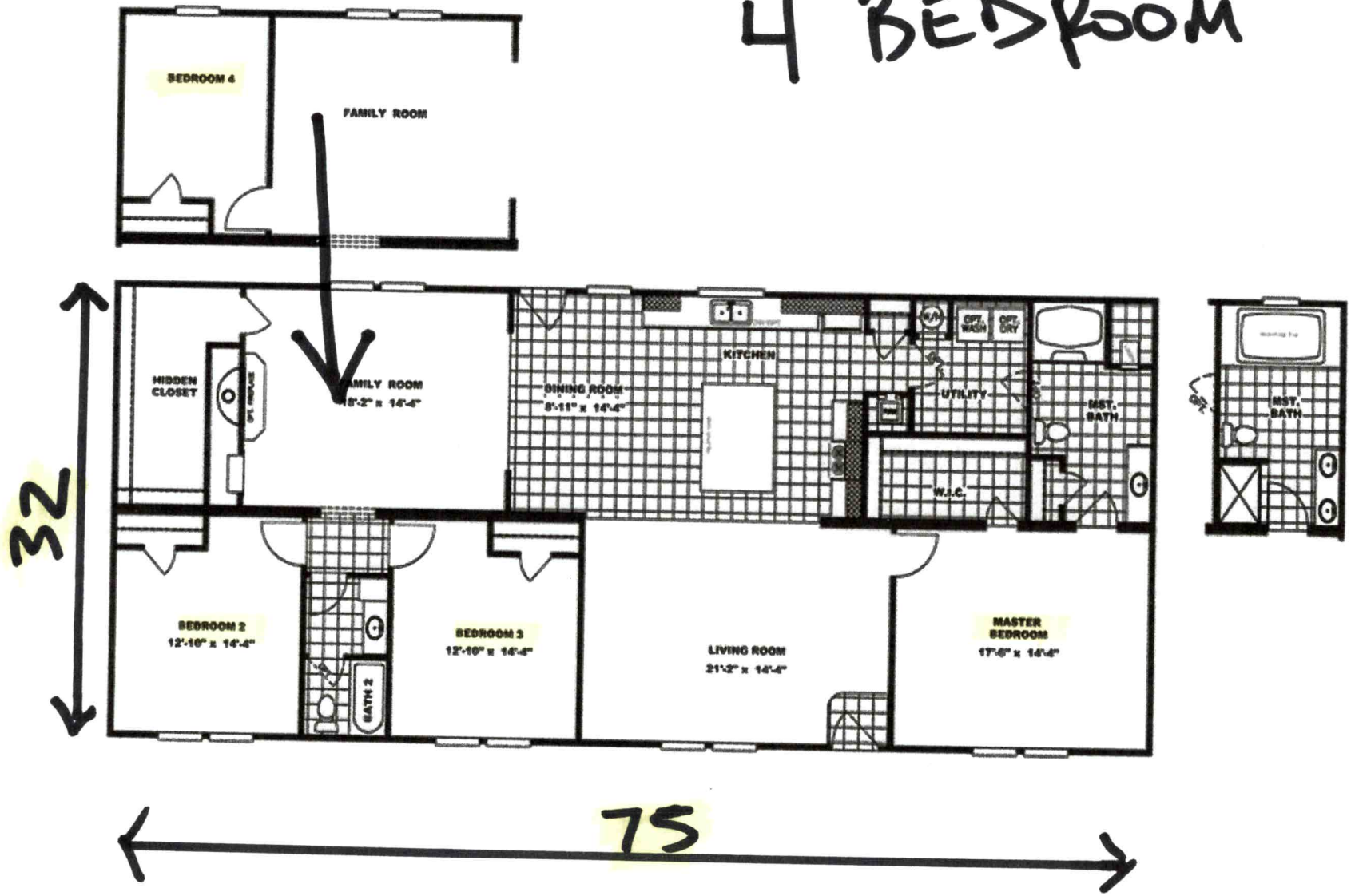
Applicant

8-21-20

Date

130 RIDGE CREEK
LOT 54

4 BEDROOM



Acknowledgement Of Plans Submittal ONLY!

RJ Date 8-30-2020

Barfoot Construction Date 10-5-2020

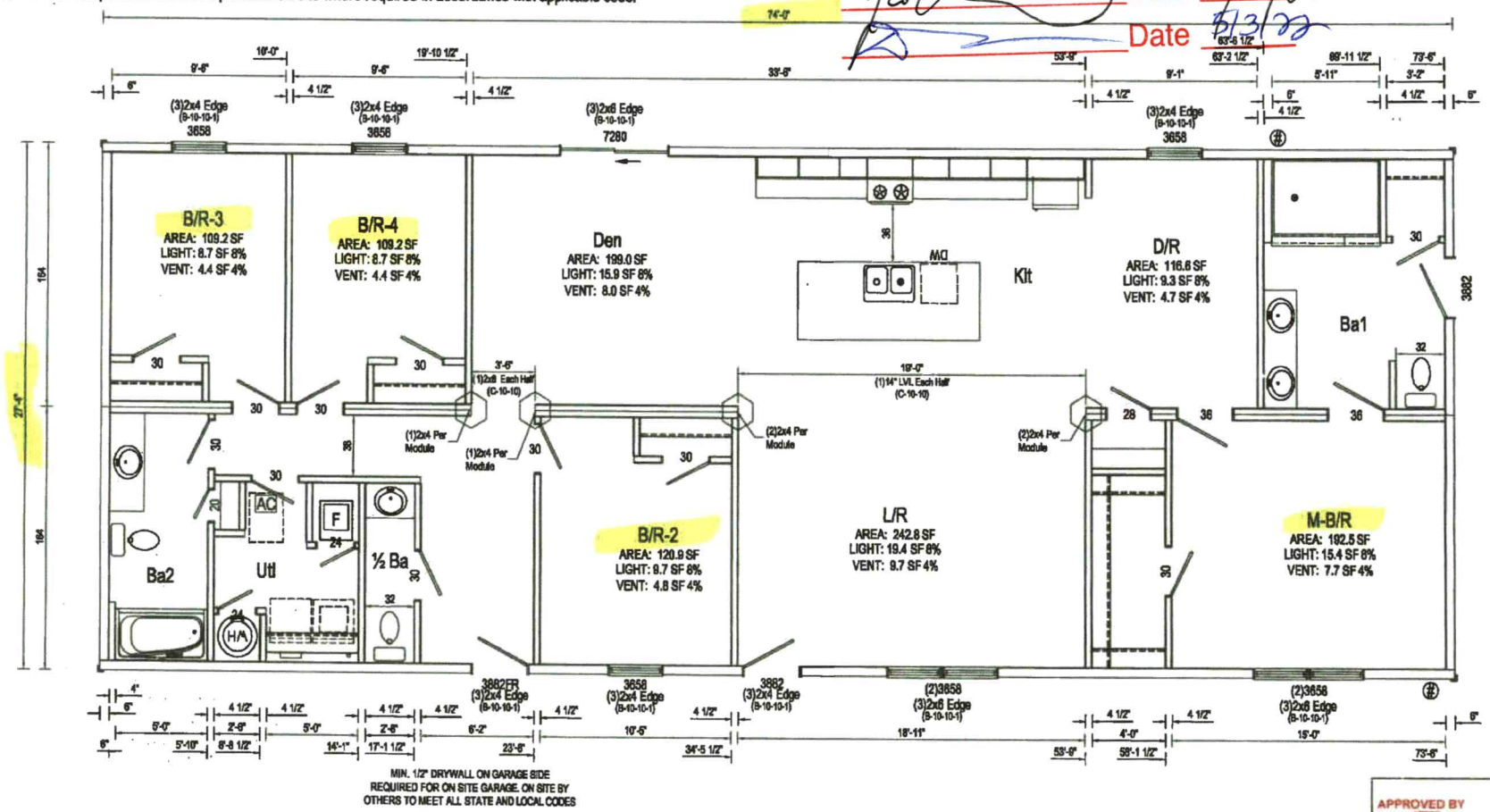
35
72
32x72
MODIFIED

Acknowledgement Of Plans Submittal ONLY!

Date 5/6/22

Date 5/3/22

Note: Window fall protection must be provided on-site where required in accordance with applicable code.



Notes:
1. Exterior opening headers and jack studs are SPF #2 unless otherwise noted.
2. Sidewall headers may use alternate construction per section B-10 of Systems Manual.
3. LVL's where specified to be minimum of 1 1/2" wide, M.O.E. = 2.0 and fb = 2900 PSI.
4. See C-10-45 for stair opening framing.
5. See C-10-105 for dormer opening framing.

See Schedules and General Notes Page
⬡ = Column Support Location
AC = Attic Access

Note:
* LVLs noted must extend past column on at least one end 24" minimum and be overlayed with OSB sheathing.

APPROVED BY NTA 12/2/2021
Approval of this document does not authorize or approve any deviation or deviations from the requirements of applicable State Laws.
Kip Whitehead

Builder: R-Anell Housing Group, LLC - Subsidiary of The Commodore Corp.
Title: Floor Plan

Cutout: 2874	Revisions	Scale: 3/16" = 1'-0"	Date: 12/01/2021	Cust: ROWTON
	Drawn By: CL	Reference: NONE		Dlr: CLAYTON STATESVILLE
				Slot: 43357

Model/Eng. No.: 1BS0038-R
Pg: FP

N:\R-ANELL\1BS\1B-1BS0038-R