ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # AP 319798

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

PIN # 4723 -- 50 -- 9172.

APPLICANT/OWNER: Kyle & Chris Rogers APPLICANT ADDRESS: 137 Golden Valley Drive Mooresville NC 28115

SITE ADDRESS: 187 Buffalo Creek Drive Statesville NC 28677. PHONE: ALT. PHONE

SITE DIRECTIONS: Old Mtn Rd, Buffalo Shoals Rd, Buffalo Creek Drive. SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Buffalo Creek SECTION: - LOT # 7 LOT AREA: 2.308AC DESIGN FLOW: 480 L.T.A.R.: .25

Septic Tank 1000 (gal) STB 854 Date 4/8/22
Pump Tank (gal) PT Date
Pump Make Model Serial #
Nitrification Fields 1 # Lines 3 Linear Ft 480
Trench Width 36 Trench Bottom Depth(Low side) 20in Gravel Depth -

☐ New System ☐ Repair ☐ Expansion System Type: I II (III) IV V VI
System Description: Gravity - 25% Reduction
Repair System Description: PM - 25% Reduction
Maintenance Agreement Required: ☐ YES ☒ NO
☒ GRAVITY ☐ PRESSURE

☒ Residence No. Bedrooms 4
☐ Business No. Persons 8
☐ Other No. Employees
☐ Slab ☐ Crawl Space
☒ Basement w/plumbing ☐ Basement w/o plumbing

Water Supply: ☒ Private ☐ Public ☐ Community

Comments / Conditions:

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 & Forestry Services of the Carolinas

LSS # 1231 Dated July 15, 2021. PA

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

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**

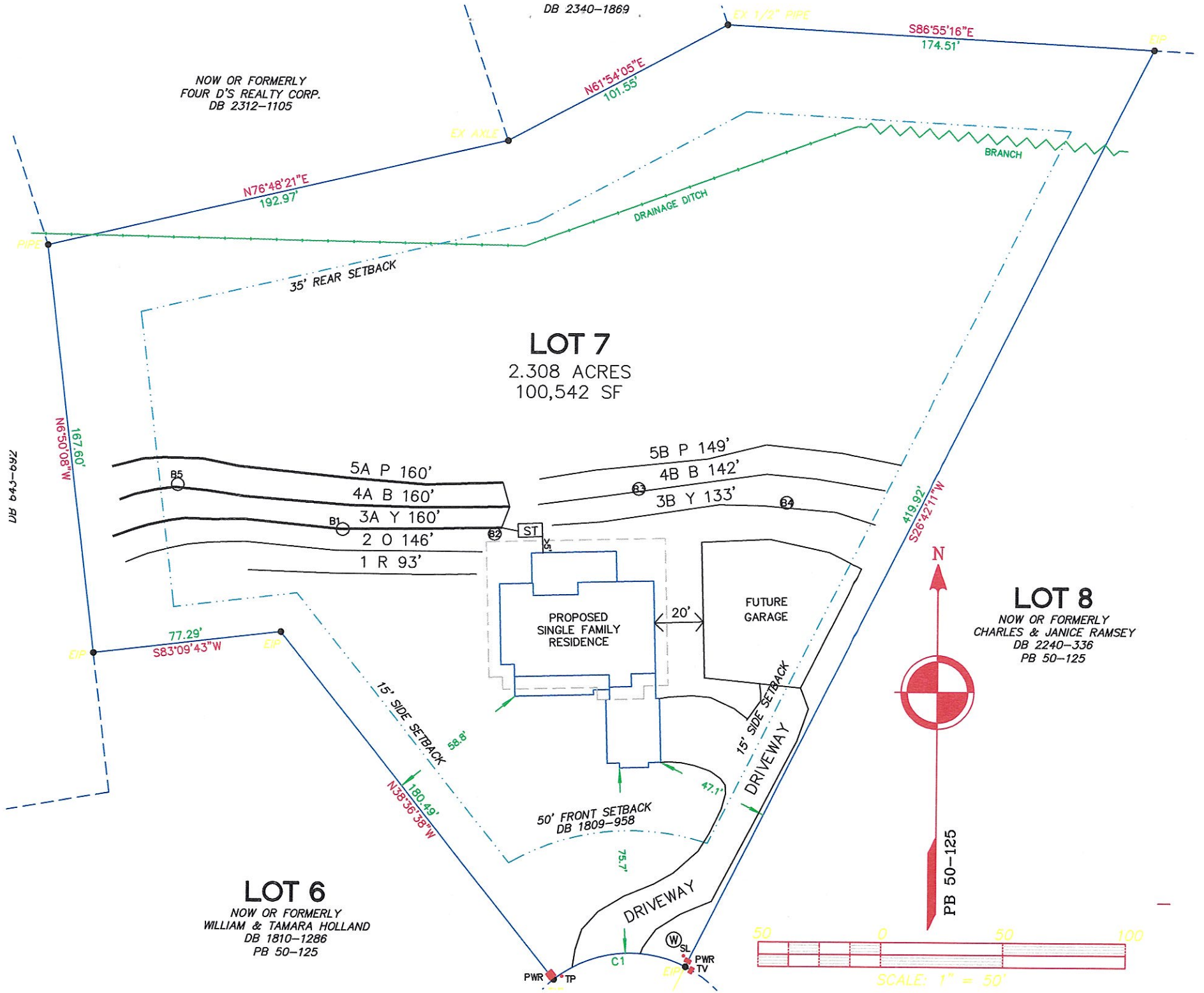
☐ **IMPROVEMENT PERMIT** *with plat valid without expiration.* ☒ **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* ☒ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: Kyle Date: 9/20/21 Installed by: (Justin Price) Price's Septic Service

IMPROVEMENT PERMIT by: Benjamin A. Baffin Date: 7/20/2021 OPERATION PERMIT by: Matt Wilkie Date: 6/23/22

AUTHORIZATION TO CONSTRUCT by: Benjamin A. Baffin Date: 7/20/2021. Existing System Inspected by: Date:

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


DB 2340–1869
EX 1/2" PIPE
S86°55'16"E
174.51'
EIP
NOW OR FORMERLY
FOUR D'S REALTY CORP.
DB 2312–1105
N61°54'05"E
101.55'
EX AXLE
BRANCH
N76°48'21"E
192.97'
DRAINAGE DITCH
PIPE
35' REAR SETBACK
LOT 7
2.308 ACRES
100,542 SF
DB 643–692
N6°50'08"W
187.60'
5A P 160'
4A B 160'
3A Y 160'
2 O 146'
1 R 93'
5B P 149'
4B B 142'
3B Y 133'
B5
B1
B2
B3
B4
ST
PROPOSED
SINGLE FAMILY
RESIDENCE
20'
FUTURE
GARAGE
419.92'
S26°42'11"W
N
LOT 8
NOW OR FORMERLY
CHARLES & JANICE RAMSEY
DB 2240–336
PB 50–125
77.29'
S83°09'43"W
EIP
EIP
15' SIDE SETBACK
58.8'
N38°36'38"W
180.49'
50' FRONT SETBACK
DB 1809–958
47.1'
15' SIDE SETBACK
DRIVEWAY
75.7'
DRIVEWAY
LOT 6
NOW OR FORMERLY
WILLIAM & TAMARA HOLLAND
DB 1810–1286
PB 50–125
PWR
TP
C1
W
SL
PWR
TV
EIP
PB 50–125
50
0
50
100
SCALE: 1" = 50'

SOIL & FORESTRY SERVICES
OF THE CAROLINAS, PA

www.soilandforestryservices.com

Project#: 21-0013
July 15th, 2021

KYLE & CHRIS ROGERS
Attn: *Kyle & Chris*
Email: chrismrogers60@gmail.com

RE: Soil & Site Evaluation for a 4 Bedroom Residence on Lot 7 Buffalo Creek Subdivision, 2.308 ac Parcel, PIN# 4723509172, 187 Buffalo Creek Dr., Statesville, NC 28677.

Kyle & Chris:

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 partially cleared and had mixed pine/hardwood in the back of the property. Topography within the evaluated area was gently slope near the house site and proposed drainfield area. Property lines and corners were marked at the time of the evaluation by Thomas Williams. The client provided an Autocad File of a survey as a basemap. The proposed septic layout was located via survey and tape measures and used to produce the attached *Site Plan*. The house envelope was located via Survey by Thomas Williams.

Methodology

We evaluated soil areas through the use of hand auger borings. Soil morphological conditions including color, texture, structure, etc. were reviewed in the field with five auger borings on the property flagged and located on the site plan. All of the auger borings are located in or adjacent to 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 was located via survey. An on-ground layout of system and repair was performed using a laser level. Pin flag locations of the layout were also located by survey and tape measures. Detailed system & repair information is summarized in the following paragraph for this Lot.

187 Buffalo Creek Road (*See Attached Design*)
The septic layout for this lot (9' centers) yielded a total of 1143 linear feet of line. The primary system is proposed as 480 linear feet of Accepted (25% Reduction) drainfield with gravity distribution. Trench depth is specified at 20 inches on the low side. The repair system is proposed as 480 linear feet of Accepted (25% Reduction) drainfield with pressure manifold distribution. Trench depth is specified at 20 inches on the low side.

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 Laura Christine Mathis Rogers
Signature Laura M Rogers 7-15-21

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 187 Buffalo Creek Road 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,



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 Buffalo Creek Subdivision Lot 7, 187 Buffalo Creek Dr, Statesville 28677, Iredell County, NC. (PIN:4723509172)

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---------- 10

Application---------- 11

Green Sheet---------- 12

Agent Authorization Form---------- 13

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

July 15, 2021
Project #: 21-0013
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) w/Pressure Manifold.
- **GC, Plumber & Septic Installer must communicate to make sure depth of**
- **House plumbing is established to achieve gravity flow to tank and Line 3A Yellow.**

GRAVITY ACCEPTED SYSTEM
FOR WASTEWATER TREATMENT

Owner/Applicant:	Kyle & Chris Rogers
Address:	137 Golden Valley Drive Mooresville, NC 28115
Phone:	704.746.6045
County:	Iredell
Location:	187 Buffalo Creek Dr. Statesville NC 28677
Source of Wastewater Flow:	4 Bedroom Single Family Residence
Estimated Gallons Per Day Flow:	480
System Flow:	N/A

Design Specifications

Drainfield Size:	480	
Loading Rate (gpd/ft.^{2}):	0.25	
Depth of Gravel in Trench:	N/A	
Gravel Size:	N/A	
Max.Trench Depth (LOW SIDE):	20 in.	Repair Trench Bottom 20 in.
Trench Width:	36 in.	
Septic Tank Size:	1000	
Estimated Supply Line Length:	7	
Supply Line Diameter:	4 in. SCH 40 PVC	
Supply Line Volume:	4.57	
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	

187 Buffalo Creek Dr.

ACCEPTED SYSTEM

DESIGN FLOW (gpd):	480
SOIL APPLICATION RATE (gpd/ft.^{2}):	0.25
TOTAL AREA TRENCH BOTTOM:	1440
TOTAL LATERAL LENGTH:	480
NUMBER OF FIELDS:	1
LATERAL LENGTH REQUIRED PER FIELD:	480
SUPPLY LINE LENGTH:	7
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 - 187 Buffalo Creek Dr.-Lot 7

Project #: 21-0013

LAYOUT FOR 4 BEDROOM HOME

July 15, 2021

LINE #	FLAG COLOR	BS	HI	FS	ELEVATION	FLAGGED LINE LENGTH	DESIGN LINE LENGTH
TBM							
INSTR. 1							
1	RED					93	93
2	ORANGE					146	146
3A	*YELLOW*					*160*	*160*
3B	YELLOW					133	133
4A	*BLUE*					*160*	*160*
4B	BLUE					142	142
5A	*PINK*					*160*	*160*
5B	PINK					149	149
					Total	1143	1143

	LINE LENGTH	LTAR GPD/FT2	SYSTEM TYPE	SOIL LTAR GPD/FT2	TRENCH SYSTEM	DISTRIBUTION	MAX. TRENCH DEPTH (LOW SIDE)
* *System*	*480*	*0.250*	*ACCEPT.*	*0.250*	*25% RED*	*GRAVITY*	20"
Repair	663	0.250	ACCEPT.	0.250	25% RED	PRESSURE MANIFOLD	20"

Notes: **All measures in feet

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

**Nitrification lines were located by GPS.

CALCULATIONS

Location 187 Buffalo Creek Dr.
Statesville, NC 28677
Project Number 21-0013

Lot No: 7

No. of Bedrooms 4

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

LTAR 0.250 $^{gal}/_{ft^2\ day}$

PPBPS? (YES OR NO) NO

Supply Line Length 7 ft.

Supply Line Volume 4.571 gal.

Required Feet of Line 480 ft.
Amount of Line from Layout 480 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 HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

Sheet 1 of 2
PROPERTY ID #: 4723509172
COUNTY: Iredell

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

OWNER: Kyle & Chris Rogers — APPLICATION DATE:
ADDRESS: 137 Golden Valley Dr. Mooresville NC 28115 — DATE EVALUATED: 3/2/21
PROPOSED FACILITY: 4BR — PROPOSED DESIGN FLOW (.1949): 480 gpd — PROPERTY SIZE: 2.30
LOCATION OF SITE: 187 Buffalo Creek Drive, Statesville NC 28677 — 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
B 1	L/12%	0-10	Bsl sr	Fr SS SP SEXP	f [Fe] depl f sap (white)	50	—	—	PS 0.275
		10-16	RB scl wfsbk	" " " "					
		16-45	BR sc/c wmsbk	" " " "					
		45-50	RB scl wmsbk	" " " "	f-c [Fe] depl. f-c sap				
B 2	L/13%	0-9	Bsl sr	Fr SS SP SEXP					PS
		9-14	RB scl wfsbk	" " " "					
		14-43	BR c wmsbk/Abk	" " " "	f [Fe] depl	50	—	—	0.275
		43-50	RB cl w sbk	" " " "	f [Fe] depl f sap				
B 3	L/13%	0-10	Bsl sr	Fr SS SP SEXP					PS
		10-15	RB scl wfsbk	" " " "					
		15-50	BR c wmsbk	F " " "	f sap (white)	50	—	—	0.275-.3
B 4	L/11%	0-8	Bsl sr	Fr SS SP SEXP					PS
		8-13	RB scl wfsbk	" " " "					
		13-28	BR c wmsbk	" " P "	f [Fe] depl	50	—	—	0.25-.275
		28-50	BR c wmsbk/Abk	F " P "	f [Fe] depl to 35" f sap				

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	Accepted	Accepted
Site LTAR	0.25	0.25

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: S. Ashley Rollins
OTHER(S) PRESENT: Chad Wagner

LICENSED SOIL SCIENTIST — 1231

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet-Complete all field in full)

PROPERTY ID #: 4923509172
DATE OF EVALUATION: 3/2/21
COUNTY: Iredell

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
B5	13%	0-10	BSL gr	Fr ss sp smp		43"	–	–	PS-42 .25 shallow Trench Bottom
		10-18	RB scl wk f sbk	Fr ss sp smp					
		18-43"	BR C wm sbk/gsbk	Fr ss sp smp	yellow/brown matrix 32" chroma 2 @ 42"				

RECEIVED JUL 19 2021

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

APPLICATION FORM Session Law Pd. $500.00

Application For:
(X) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
(X) Septic Improvement Permit (X) 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- 319798

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: Kyle & Chris Rogers **Address:** 137 Golden Valley Dr Mooresville NC **Zip:** 28115

Applicant Email: Chrismrogers60@gmail.com **Phone:** 704-746-6045 **Alt. Phone:** _____

Owner Name: Same **Address:** _____ **Zip:** _____

Owner Email: Same **Phone:** Same **Alt. Phone:** _____

****

Property Information:

Street Address: 187 Buffalo Creek Drive, Statesville NC 28677

Subdivision Name: Buffalo Creek **Section/Phase:** _____ **Lot Number:** 7

Driving Directions: Old Mountain Rd, Buffalo Shoals Rd, Buffalo Creek Dr.

****

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 (✓) No Does the site contain any jurisdictional wetlands?
( ) Yes (✓) No Is any non-domestic sewage (i.e. industrial) 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.

Signature: _____ 7/16/21
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

Public Health
Prevent Promote Protect
Iredell County Health Department

IREDELL COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

Public Health
Prevent Promote Protect
Iredell County Health Department

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, Kyle & Chris Rogers, am the legal owner(s) of the property located at 187 Buffalo Creek Dr., Statesville NC 28677, identified as PIN (Parcel Identification Number) 4723509172, located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**) SFS / Ashley Railans, _____, 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.

* Laura M Rogers 7/15/21 _____ _____

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

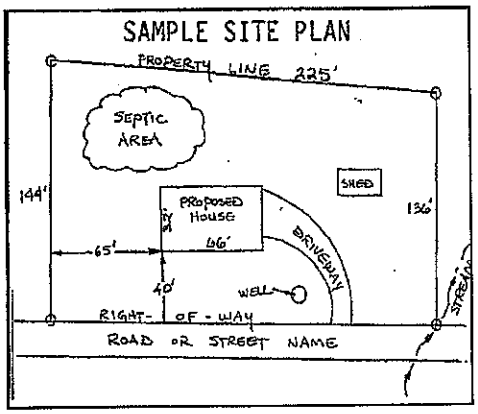
IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

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

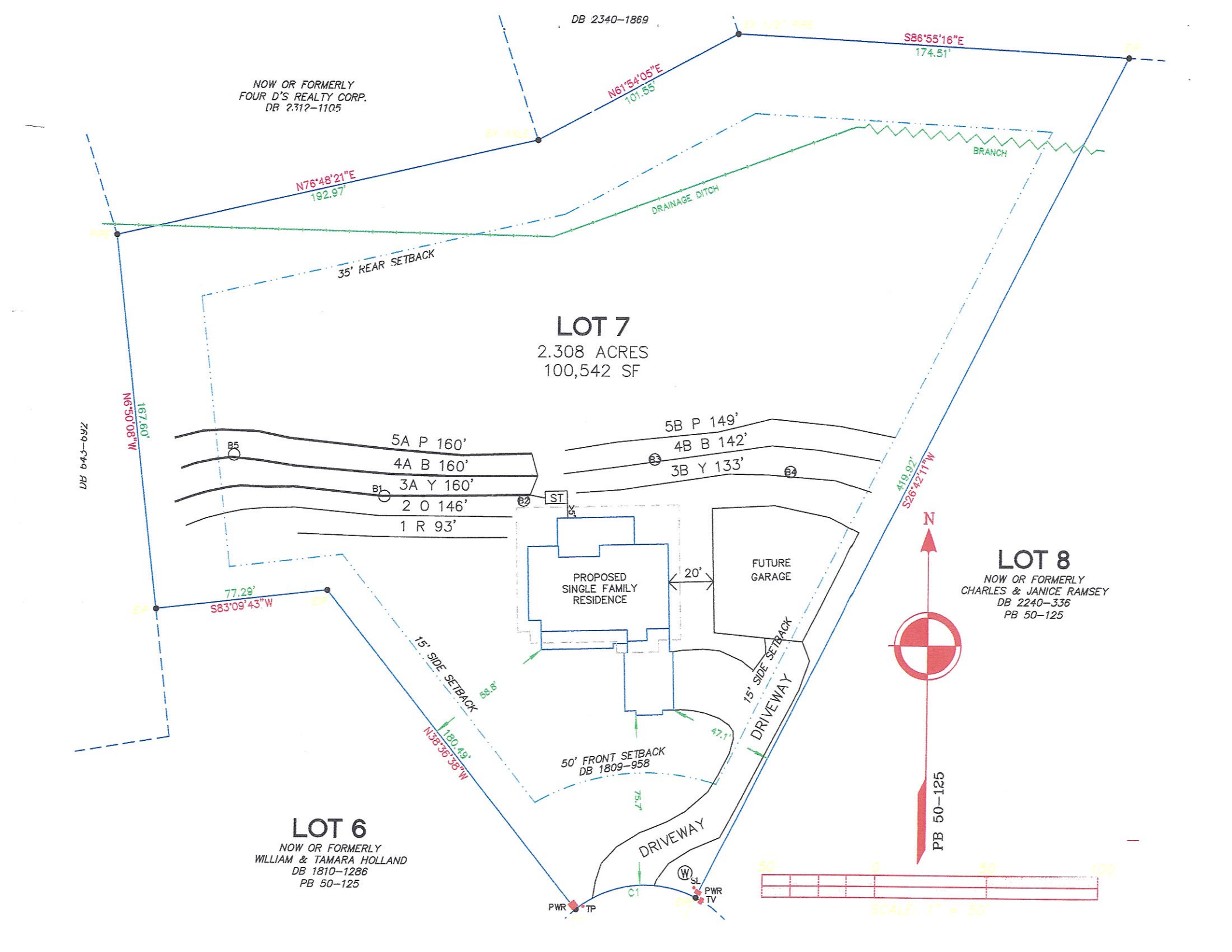
USE THIS SPACE TO DRAW YOUR SITE PLAN

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

7/16/21
DATE


DB 2340–1869
EX 1/2" REBAR
S86°55'16"E
174.51'
NOW OR FORMERLY
FOUR D'S REALTY CORP.
DB 2312–1105
N61°54'05"E
101.55'
EX AXLE
BRANCH
N76°48'21"E
192.97'
DRAINAGE DITCH
EP
35' REAR SETBACK
LOT 7
2.308 ACRES
100,542 SF
DB 643–692
N6°50'08"W
167.60'
5A P 160'
4A B 160'
3A Y 160'
2 O 146'
1 R 93'
5B P 149'
4B B 142'
3B Y 133'
B5
B1
B2
B3
B4
ST
PROPOSED
SINGLE FAMILY
RESIDENCE
20'
FUTURE
GARAGE
419.92'
S26°42'11"W
N
LOT 8
NOW OR FORMERLY
CHARLES & JANICE RAMSEY
DB 2240–336
PB 50–125
77.29'
S83°09'43"W
15' SIDE SETBACK
68.8'
180.49'
N38°36'38"W
50' FRONT SETBACK
DB 1809–958
47.1'
15' SIDE SETBACK
DRIVEWAY
75.7'
DRIVEWAY
C1
PWR
TP
W
SL
PWR
TV
PB 50–125
50
0
50
100
SCALE: 1" = 50'
LOT 6
NOW OR FORMERLY
WILLIAM & TAMARA HOLLAND
DB 1810–1286
PB 50–125

64'-6"

GENERAL NOTES

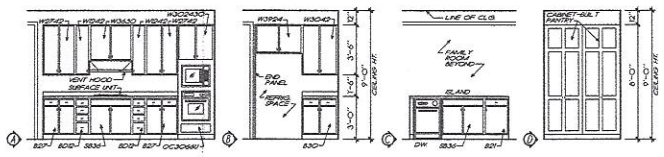
1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES. CONSTRUCTION FOR U.L.A. S.F.D. DESIRING CONSTRUCTION ANY DISCREPANCIES SHALL BE REPORTED TO FRANK BETZ ASSOCIATES, INC. FOR CLARIFICATION AND/OR CORRECTION BEFORE PROCEEDING WITH WORK. CONTRACTORS SHALL ASSUME RESPONSIBILITY FOR ERRORS THAT ARE NOT REPORTED.
2. ALL DIMENSIONS SHOWN ON PLANS ARE TO FACE OF STUD, UNLESS NOTED.
3. ALL FOOTINGS TO BE SOLID FROM LOAD CODE LOCAL SOIL CONDITIONS MUST BEAR ON UNDISTURBED SOIL CAPABLE OF STANDING TYPE BUILDING. CONTACT LOCAL BUILDING DEPARTMENT FOR SPECIFIC FOOTING AND REINFORCING NEEDS.
4. CONTRACTOR SHALL INSURE COMPATIBILITY OF THE BUILDING WITH ALL SITE CONDITIONS.
5. ALL FOOTINGS BEARING 4" AGAINST ANY FOUNDATION WALL REINFORCE AS PER CODE.
6. ALL FOUNDATION AND STRUCTURAL BEARING SHOULD BE VERIFIED AND STAMPED BY AN ENGINEER IN THE STATE WHERE CONSTRUCTION IS OCCURRING DUE TO A NEED FOR VARIANCE IN LOCAL CODES, SOIL BEARING CONDITIONS, FROST DEPTH, SEISMIC ZONE, WIND LOADING CONDITIONS, ETC. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE ALL STRUCTURAL DETAILS AND CONSTRUCTION TO MEET ALL LOCAL CODES AND TO INSURE A QUALITY AND SAFE STRUCTURE.
7. ALL WOOD, CONCRETE, AND STEEL STRUCTURAL MEMBERS SHALL BE OF A GOOD GRADE, FREE FROM DEFECTS AND MEET ALL NATIONAL STATE AND LOCAL CODES. ALL WORK SHALL BE DONE IN A WORKMANLIKE MANNER.
8. ALL CONCRETE OR MASONRY FOOTINGS SHOULD BE DESIGNED TO CARRY LOADS AND SHOULD EXTEND BELOW FROST LINE. LOCATE BEAMS AND BEAMPOCKETS AT THIS BASEMENT FLOOR ON AT OTHER BEARING POINTS DESIGNED TO CARRY THIS LOAD.

GENERAL FRAMING NOTES

THE FOLLOWING NOTES ARE SUGGESTED MINIMUM REQUIREMENTS ONLY, DUE TO A VARIANCE OF CODES PER REGION, PLEASE REVIEW AND COMPLY WITH ALL LOCAL CODE CONCERNS WITH LOCAL ENGINEER FOR ALL STRUCTURAL REQUIREMENTS.

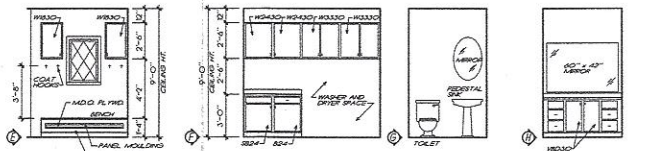
1. ALL FRAMED WALL DIMENSIONS ARE BASED ON 2 X 4 STUDS UNLESS NOTED OTHERWISE. PROVIDE FURRING AT ADD HEIGHT OF ALL WALLS.
2. ALL JOISTS AND RAFTERS SHALL BE ALIGNED OVER STUDS BELOW.
3. ALL HEADERS SHALL BE 2-2X10 W/ 1/2" STYLYWOOD SPACER UNLESS OTHERWISE NOTED.
4. FRAME ALL OVERALL DIMENSIONS OVER STUDS UNDER PARTITION WALL PARALLEL TO JOIST DIRECTION.
5. PROVIDE CROSS BRIDGING AT MID POINT OF SPAN OR 8'-0" O.C. MAXIMUM IF NOT FOUND.
6. FLOOR: DEPT. 10 1/2 IN. APA 24" RATED 32/16" TAG G1 WOOD SHEATHING PANEL GLUED AND NAILED TO FLOOR JOISTS W/ 8d NAILS @ 6" EDGE AND 12" FIELD NAILING. PANELS TO BE STAGGERED AND BUTTED TIGHTLY.
7. EXTERIOR CRAWLING TO BE CONTINUOUS 1/2 RATED 5/8" TYPE 'X' GYP. BOARD W/ 1 LAYER TO WALLS AND CEILING. ALL JOINTS TO BE TAPED AND SEALED.
8. PROVIDE DOUBLE 2 X HORIZONTALS AT MID SPAN FOR CEILING JOISTS WITH SPAN OVER 10'-0".
9. PROVIDE CLEAR TEE AT LEVEL 1/4 OR VERTICAL DISTANCE BETWEEN EDGE BOARD AND CEILING JOISTS AT 4'-0" O.C. MAXIMUM.
10. ALL TOILET PARTITIONS AND EDGE BOARDS SHALL BE ONE "2x" SIZE NARROWER THAN WALL.
11. ALL EXTERIOR WALLS TO BE APA 24 RATED, 1/2" PLYWOOD, CDX, EXPOSURE 1 WOOD SHEATHING PANEL MANUFACTURED CERTIFIED TO PS 1-83 OR PS 2-92 AND IDENTIFIED AS SUCH. PANELS TO BE STAGGERED AND TO BE INSTALLED WITH FACE GRAIN PERPENDICULAR TO STUDS. ALL EDGES AND ENDS TO BE BLOCKED. SHEAR TYPE SOLID CORE PER MANUFACTURERS SPECIFICATIONS.
12. ALL ENGINEERED FLOOR AND ROOF TRUSSES ARE USED, TRUSS MANUFACTURER MUST PROVIDE SHOP DRAWINGS WHICH BEAR SEAL OF REGISTERED ENGINEER IN STATE IN WHICH WORK IS TO BE PERFORMED.
13. ALL CEILING JOISTS AND RAFTER BRACING TO BEAR ON LOAD BEARING WALLS DESIGNED TO CARRY LOAD THRU ALL LEVELS AND TERMINATE AT FOUNDATION AND BE SUPPORTED BY CONCRETE OR MASONRY FLOOR AND BE SUPPORTED BY ENGINEERED 3-4 GIRDER BEAM OR FOOTING DESIGNED TO CARRY LOAD.
14. ALL STEEL BEAMS AND GIRDERS AND FOOTINGS TO BE DESIGNED BY LOCAL STRUCTURAL ENGINEER AND MEET ALL LOCAL CODES.
15. ALL BUILT FRAMING, CLOSURES, BEAMS, ETC., TO BE DESIGNED BY LOCAL STRUCTURAL ENGINEER AND MEET ALL LOCAL CODES.

NOTE ALL CEILING JOISTS AND RAFTER BRACING TO BEAR ON LOAD BEARING WALLS DESIGNED THRU ALL LEVELS AND TERMINATE AT FOUNDATION AND BE SUPPORTED BY CONCRETE SLAB GIRDER BEAM OR FOOTING DESIGNED TO CARRY LOAD.



KITCHEN ELEVATIONS

PANTRY ELEV.

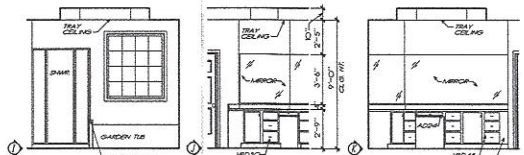


MUDROOM ELEV.

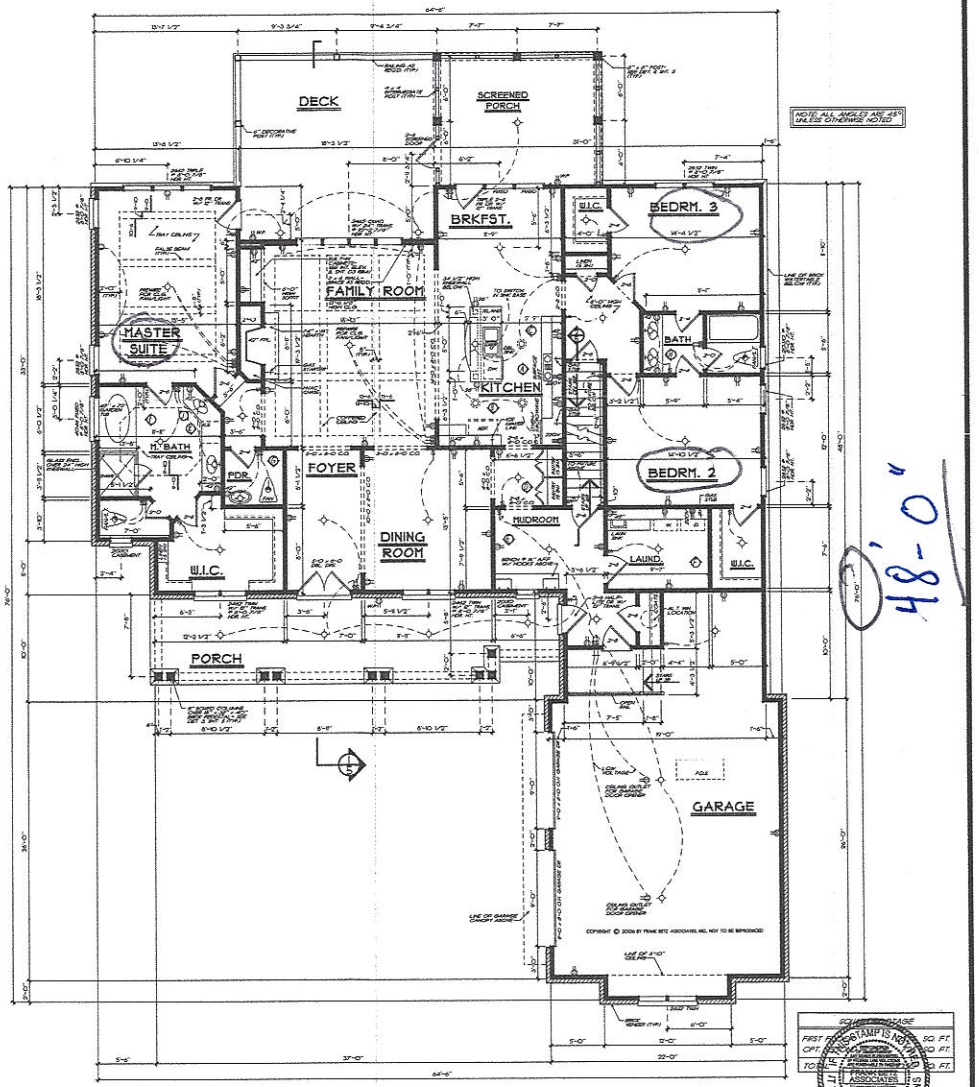
LAUND. ELEV.

PDR. ELEV.

BATH ELEV.



MASTER BATH ELEVATIONS



FIRST FLOOR PLAN

FRANK BETZ ASSOCIATES, INC. ASSUMES NO LIABILITY FOR ANY CHANGES OR MODIFICATIONS MADE TO THESE PLANS BY OTHERS

SQUARE FOOTAGE

FIRST FLOOR	SQ. FT.
OPT.	SQ. FT.
TOTAL	SQ. FT.

THIS STAMP IS NOT VALID UNLESS IT IS AN ORIGINAL SET OF PLANS

SINGLE USE LICENSE
NOT TO BE REPRODUCED

Acknowledgement Of Plans Submittal ONLY!

Laura M Rosen Date 7/19/24

Date 7/19/24

REVISIONS	DATE	BY

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FIRST FLOOR PLAN / K. & B. ELEVATIONS

THE BLENHEIM

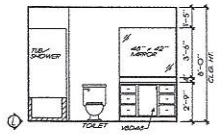
FRANK BETZ ASSOCIATES, INC.
DESIGNERS OF CUSTOM AND STOCK HOMEPLANS
3550 GEORGE BUSBEE PARKWAY
SUITE 190
KENNESAW, GEORGIA 30144
770-431-0888 888-717-3003

BY: RLD CK: DCF

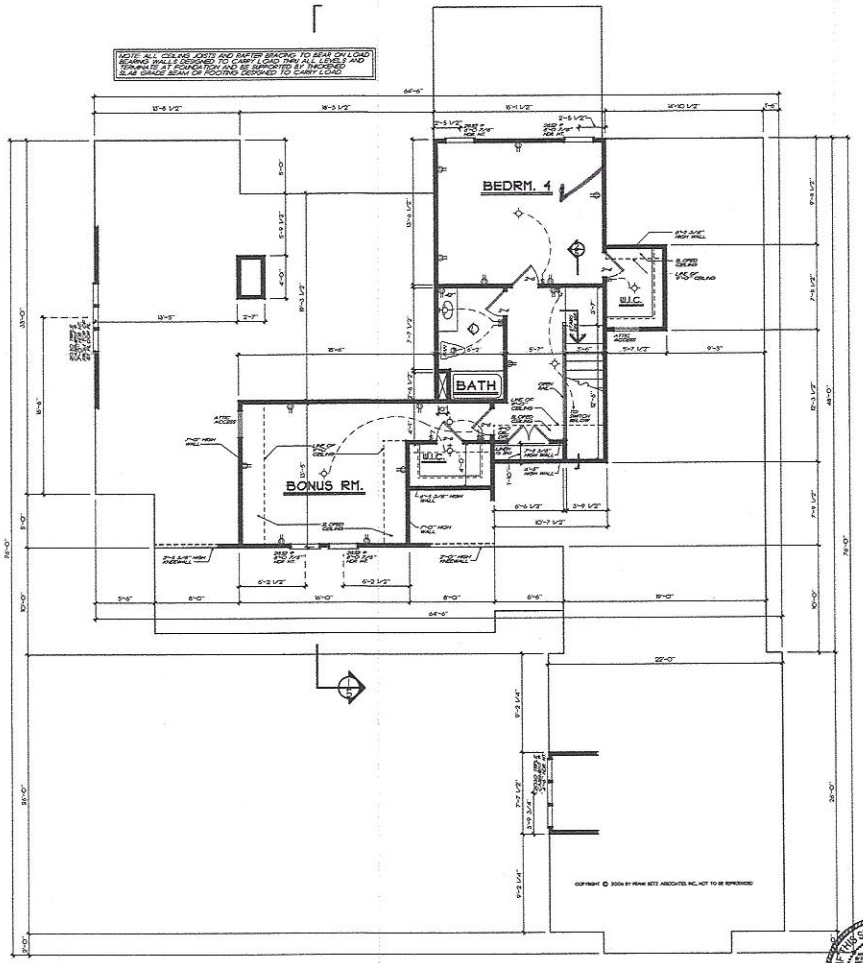
DATE 4/25/04

SHEET: 3

OF: 5



BATH ELEV.



OPT. SECOND FLOOR PLAN

FRANK BETZ ASSOCIATES DISCLAIMS ANY LIABILITY FOR ANY CHANGES OR MODIFICATIONS MADE TO THESE PLANS BY OTHERS.

IF THIS STAMP IS NOT RED IT IS AN ILLEGAL SET OF PLANS

SINGLE USE LICENSE NOT TO BE REPRODUCED

Acknowledgement Of Plans Submittal ONLY!

Laura M Rogers Date 7/19/21

BAB Date 7/19/21

REVISIONS	DATE	BY

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OPT. SECOND FLOOR PLAN/ BATH ELEVATION

THE BLENHEIM

FRANK BETZ ASSOCIATES, INC.
DESIGNERS OF CUSTOM AND STOCK HOMEPLANS
3550 GEORGE BUSBEE PARKWAY
SUITE 190
KENNESAW, GEORGIA 30144
770-431-0888 888-717-3003

BY: PLD CK: DCF

DATE: 4/26/06

SHEET: 4

OF: 5

IREDELL COUNTY · NC

IREDELL COUNTY

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

APPLICATION NUMBER
319798
Issue Date:

Permit Type: ZONING

Parcel Number	Street Address	Jurisdiction
4723509172.000	187 BUFFALO CREEK DR	Iredell County

Owner Information	Applicant Information
Name: ROGERS KYLE F+LAURA M	Name: ROGERS KYLE F+LAURA M
Address:	Address: 137 Golden Valley Dr
,	Mooresville, NC 28115
Phone:	Phone: (704)746-6045

Use Requested	Zone Code
Single Family Dwelling	R-20

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
2.307	35	35	15	15	N/A	NO

Remarks
sfd

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: 07/19/2021

Signature of Owner/Contractor

Permit Number	319798	TOTAL FEES:	$77.25