ICHD–ENVIRONMENTAL HEALTH DIVISION

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

PERMIT # 246005

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

PIN # 4730037449

APPLICANT/OWNER: Anthony Alston

APPLICANT ADDRESS: 11916 Bryton Pass Ln #200 Huntersville NC 28078

SITE ADDRESS: 107 Parkstone Dr Troutman NC 28166

PHONE: 910-568-8206 ALT. PHONE —

SITE DIRECTIONS: NC 115 N to Lon Connector Rd, S on Cornelius Rd, R on Judas Rd, R on Perth Rd, L on State Park Rd, R on Park Stone Dr, L to on L

SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Parkstone

SECTION: — LOT # 1 LOT AREA: 1.409 acres

DESIGN FLOW: 480 GPD L.T.A.R.: .25

Septic Tank	1000	(gal)	STB	760	Date	[illegible]	☒ New System	☐ Repair	☐ Expansion	System Type: I II III IV V VI	
Pump Tank		(gal)	PT		Date	1-2-2020	System Description:	Gravity 25% Reduction			
Pump Make			Model		Serial #		Repair System Description:	Gravity 25% Reduction			
# Nitrification Fields	1		# Lines	4	Linear Ft	436'	Maintenance Agreement Required:	☐ YES	☒ NO		
Trench Width	36"		Trench Bottom Depth(Low side)	32"	Gravel Depth	—		☒ GRAVITY	☐ PRESSURE		

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

Comments / Conditions: Install lines on contour. Cut for basement can NOT Extend into Septic Area or the permit will be invalid.

* Well meets necessary setbacks does not need to be Abandoned *
B. Butler's - See Site plan March 26, 2020

INITIAL SITE SKETCH

See Attached Site plan By Soil and Forestry services of the Carolinas PA. Approved 7/31/19 PJB

AS BUILT SKETCH

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: [signature] Date: 8/2/19

IMPROVEMENT PERMIT by: Patrick O Boyle III Date: 07/31/19

AUTHORIZATION TO CONSTRUCT by: Patrick O Boyle III Date: 07/31/19

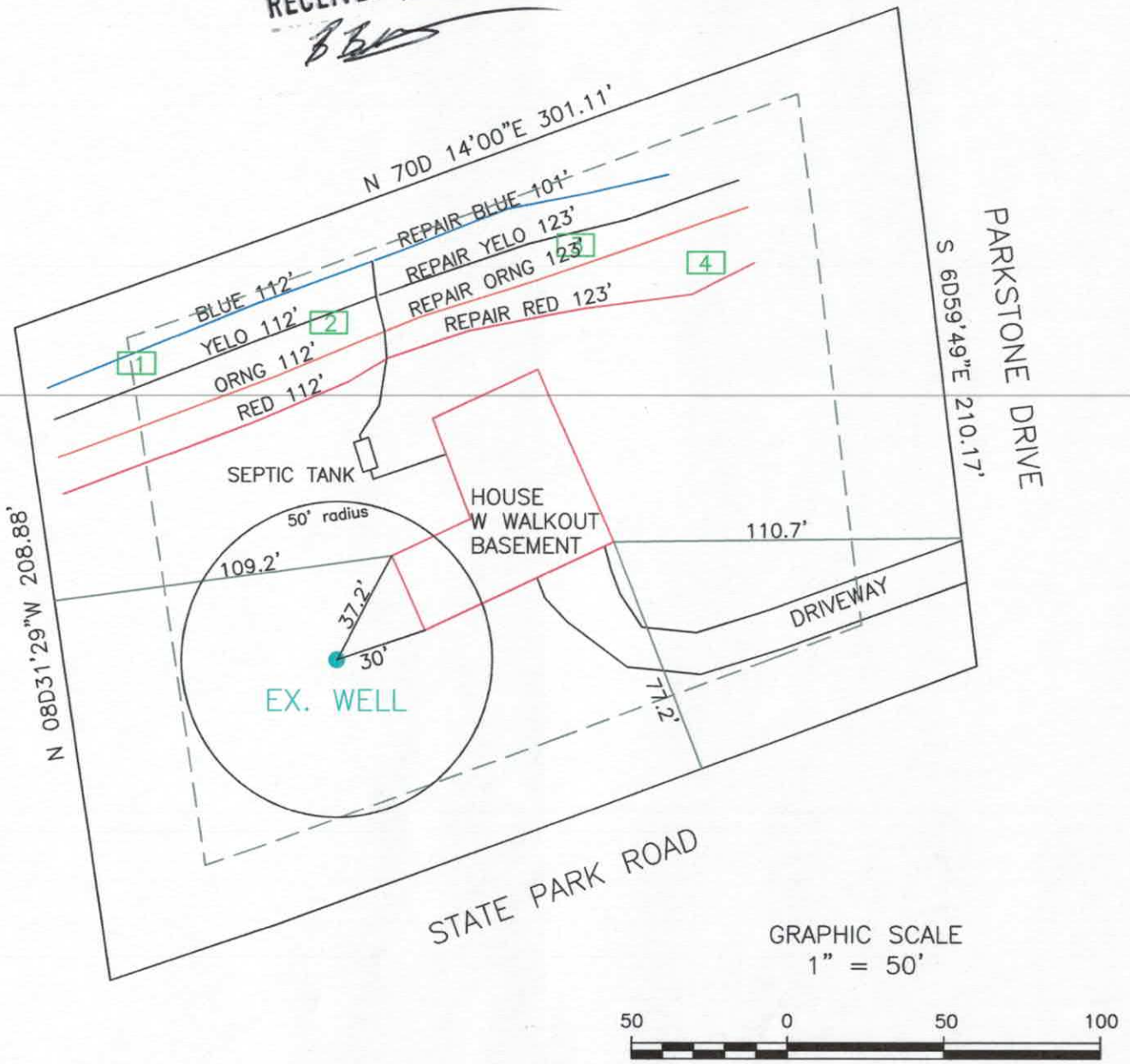
Installed by: Williams Excavation

OPERATION PERMIT by: [signature] Date: 4-15-2020

Existing System Inspected by: Date:

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

RECEIVED MAR 26 2020



PROJECT NO.	#19-1044
PROJECT MGR.	WO
DRAWN BY	WO
FIELD WORK	WO
SCALE	1" = 50'

Soil & Forestry Services of the Carolinas, PA
PO Box 832–Mooresville, NC 28115
www.soilandforestryservices.com

SOIL & FORESTRY SERVICES OF THE CAROLINAS, PA

PROJECT NAME: A.J. ALSTON
PARKSTONE DRIVE
REDSELL COUNTY, NORTH CAROLINA
REV MARCH 2020

SHEET TITLE:
SEPTIC SYSTEM LAYOUT / SITE PLAN
SKETCH MAP

SHEET 1 OF 1

Four (4) Bedroom Accepted Septic System Design using Gravity Distribution for 107 Parkstone Drive, Troutman, NC
PIN 4730037449

Contents: **Page**

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

Design Information
Design Specifications---------- 2-3
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Profile Descriptions---------- 7

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Iredell County Zoning Permit---------- 11

Environmental Health Requirements---------- 12

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

Owner: Collin Homes, Inc
980 237-7143
9943 Beatties Ford Road
Huntersville, NC 28078

Applicant: Anthony Alston
910 568-8206
11916 Bryton Pass Lane #2001
Huntersville, NC 28078

Job #'19-1044

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 DHH, and certification supplied by the manufacturer.
- 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
- 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.
- Elevations at pinflag locations should be checked by the installer prior to beginning
- Septic tank riser shall be a minimum of 6" above finished grade.
- **System specified as accepted type using gravity distribution**
- **Repair specified as accepted type using gravity distribution**
- **System trench depth specified at 30"**
- **System trenches installed on 9' minimum; 3' wide trenches**
- **Iredell County has approval to move tanks or distribution devices**

PJB

APPROVED JUL 31 2019

GRAVITY DOSED SYSTEM
FOR WASTEWATER TREATMENT

Owner:	Collin Homes, Inc.
Phone:	980 237-7143
County:	Iredell
Location:	107 Parkstone Drive

Source of Wastewater Flow:	4 Bedroom Single Family Residence
Estimated Daily Wastewater Production:	480 gpd
System Flow:	gpm

Design Specifications

Drainfield Size:	448	lf
Loading Rate:	0.275 gpd/ft.^{2}	
Depth of Gravel in Trench:	n/a	
Gravel Size:	n/a	
Trench Depth:	30	in
Trench Width:	36 in.	
Septic Tank Size:	1000	
Pump Tank Size:	n/a	
Estimated Supply Line Length:	65	lf
Supply Line Diameter:	3 in. SCH 40 PVC	
Supply Line Volume:	n/a	gal
Dosing Volume:	n/a	gal
Recommended Float Controls:	n/a	
Recommended Control Panel:	n/a	
Pressure Head:	n/a	
Friction Head:	0.00	ft
Elevation Head:	0.00	ft
Total Dynamic Head:	0.00	ft
Threaded Union:	n/a	
Gate Valves:	n/a	
Check Valves:	n/a	
Anti-Siphon Hole:	n/a	
Recommended Pump:	n/a	

PJB

APPROVED JUL 31 2019

107 Parkstone Drive
Gravity Design

DESIGN FLOW:	480	gpd
SOIL APPLICATION RATE:	0.275	gpd/ft.^{2}
TOTAL AREA TRENCH BOTTOM:	1344	sf
TOTAL LATERAL LENGTH:	448	lf
NUMBER OF FIELDS:	1	
LATERAL LENGTH REQUIRED PER FIELD:	436	lf
SUPPLY LINE LENGTH:	65	lf
TOTAL DYNAMIC HEAD:	0.00	gpm
DOSING VOLUME:	0.00	gal
PUMP TANK DRAW DOWN*:	0.0	in
SEPTIC TANK SIZE:	1000	
PUMP TANK SIZE:	n/a	

**Pump tank draw down based on a volume basis of 21 gallons per inch. Draw down may vary among pump tank manufacturers.*

PJB

APPROVED JUL 31 2019

107 Parkstone Drive

Layout for a 4 bedroom home **Jun-19**

LINE #	FLAG COLOR	BS	HI	FS	ELEV	FLAGGED LENGTH	DESIGN LENGTH
TBM INSTR. 1							
			SYSTEM				
1a	Red					112	112
2a	Orange					112	112
3a	Yellow					112	112
4a	Blue					112	112
			REPAIR				
1b	Red					123	120
2b	Orange					123	120
3b	Yellow					123	120
4b	Blue					101	76

	LINE LENGTH	LTAR GPD/FT	SYSTEM TYPE	REDUCTION TYPE	DIST	TRENCH DEPTH
SYSTEM	448	0.275	ACCEPT	25%	GRAVITY	30
REPAIR	436	0.275	ACCEPT	25%	GRAVITY	30

Notes:

**TBM is assumed to be 100'
**All measures in feet
**Nitrification lines are demonstrated on contour via colored pin flags
**BS and FS indicate rod readings

PJB

APPROVED JUL 31 2019

CALCULATIONS

Location 107 Parkstone Drive

Project Number 19-1044

Lot No:

No. of Bedrooms	4	
Design Flow	480	$^{gal}/_{day}$
LTAR	0.275	$^{gal}/_{ft^2\ day}$
Accepted? (YES OR NO)	Yes	
Supply Line Length	67	ft.
Supply Line Volume	25.728	gal.
Required Feet of Line	436	ft.
Amount of Line from Layout	448	ft.
Gallons per Minute	0.00	$^{gal}/_{min}$
Required Septic Tank Capacity	1000	gal.
Minimum Standard Tank Size	1000	
Lateral Line Volume	292.544	gal.
Dosing Volume	0.00	gal.

FRICTION FACTOR INTERPOLATER
2" SCH 40 PVC

GPM	f
20	0.84
	-0.88
25	1.27
27.4	1.51
30	1.78
	-1.76
35	2.37
37	2.63
40	3.03
42.7	3.43
45	3.77
46.51	4.01
50	4.58
57.11	5.89
60	6.42

Tank Draw Down	0.0	in.
	Generic Draw Down of 21 gal.per in.	
Pump Run Time	#DIV/0!	minutes
Elevation Head	0	ft.
Pressure Head	0	ft.
Friction Factor	0	ft./100 ft. *(From the interpolater.)*
Friction Head	0.00	ft.
Elevation Head +15%	0	
Total Dynamic Head	0.00	ft.

PROPERTY ID #: 4730037449
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Collin Homes Inc. APPLICATION DATE 6/24/19
ADDRESS: 9943 Beatties Ford Road Huntersville, NC 28078 DATE EVALUATED: 6/5/19
PROPOSED FACILITY: New home PROPOSED DESIGN FLOW (.1949): 480 PROPERTY SIZE: 1.4
LOCATION OF SITE: 107 Parkstone Drive Troutman, NC 28166 PROPERTY RECORDED: yes
WATER SUPPLY: X☐ Private ☐ Public X☐ Well ☐ Spring Other
EVALUATION METHOD: ☐ Auger Boring X☐ Pit ☐ Cut TYPE OF WASTEWATER: X☐ Sewage ☐ Industrial Process ☐ Mixed

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	
1	L / 11%	0-24	RB SCL WFS	Fr SS SP	N/A	62	N/A		PS .275
		24-50	R C WMSBK	Fr SS SP[Fe dep28-39]					
		50-62	BR CL WFS	Fr SS SP o sap					
2	L / 12%	0-4	RB SL WFGr	Fr SS SP	N/A	60	N/A		PS .275
		4-24	BR SCL WFS	Fr SS SP					
		24-38	RB C WFS	Fr SS SP few Fe 18/30					
		38-60	BR CL WMS	Fr SS SP f/c sap					
3	L / 11%	0-3	YB SL WFGr	Fr SS SP	N/A	48	PS		PS .275
		3-10	RB CL WMA	Fi SS PS few Fe depl					
		10-31	R C WMA	Fi SS PS few Fe depl					
		31-48	R CL WMS	Fr SS SP f/c sap white	Relic mottles				
		48-60	BR L MASS	Fr NS NP					
4	L / 12%	0-4	B SL WFGr	Fr SS SP	N/A	60	N/A		PS .275
		4-18	YR SCL WMA	Fr SS SP					
		18-34	R C MMA	Fr SS SP Fe depl					
		34-60	YR CL WFS	Fr SS SP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	436	436
System Type(s)	accepted	accepted
Site LTAR	.275	.275

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Overby
OTHER(S) PRESENT:

COMMENTS:

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

Sheet 1 of 1
PROPERTY ID #: 4730937446
COUNTY: Iredell

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

OWNER: Anthony Alston
ADDRESS: 1196 Bryton Pass Ln #2001 Huntersville NC 28078
PROPOSED FACILITY: New Singlefam PROPOSED DESIGN FLOW (.1949): 480GPD
LOCATION OF SITE: 167 Parkstone Dr Troutman NC 28166

APPLICATION DATE: 7/2/19
DATE EVALUATED: 7/10/19
PROPERTY SIZE: 1.4 acres
PROPERTY RECORDED: Y45

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	SS 12%	0-17	SCL SBK	Fr SS SP SexP	—	60"	—	—	PS .275
		17-33	C SBK/ABK	Fr SS SP SexP					
		33-60	CL SBK	Fr SS SP SexP					
2	SS 12%	0-11	SCL SBK	Fr SS SP SexP	—	60"	—	—	PS .275
		11-30	C SBK/ABK	Fr SS SP SexP					
		30-60	CL SBK	Fr SS SP SexP					
3	SS 12%	0-6	SCL SBK	Fr SS SP SexP	—	60"	Sap Inclusions starting at 30"	—	PS .275
		6-30	C SBK/ABK	Fr SS SP SexP					
		30-60	CL SBK	Fr SS SP SexP					
4	SS 11%	0-23	SCL WSBK	Fr SS SP SexP	—	52"	Sap Inclusions starting at 35"	—	PS .275
		23-48	C SBK	Fr SS SP SexP					
		48-52	CL SBK	Fr SS SP SexP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	436'	436'
System Type(s)	25% Reduction	25% Reduction
Site LTAR	.275	.275

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: PatrickB
OTHER(S) PRESENT:

COMMENTS: Cloudy

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

APPLICATION FORM

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

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

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

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

Applicant Information: (PRINT CLEARLY)

Applicant Name: ANTHONY ALSTON **Address:** 11916 BRYTON PASS LANE # 2001 HUNTERSVILLE **Zip:** 28078

Applicant Email: GOLFING_MANIA@YAHOO.COM **Phone:** (910) 568-8206 **Alt. Phone:**

Owner Name: DAVID COLLIN **Address:** 9943 BEATTIES FORD RD, HUNTERSVILLE **Zip:** 28078

Owner Email: COLLINHOMESINC@YAHOO.COM **Phone:** (980) 237-7143 **Alt. Phone:**

Property Information:

Street Address: 107 PARKSTONE DRIVE TROUTMAN

Subdivision Name: PARKSTONE **Section/Phase:** **Lot Number:** 1

Driving Directions: FROM I-77 EXIT 42 GO NORTH TO FLOWERHOUSE LOOP, TURN L ON CLONTZ HILL TURN RIGHT ON PERTH ROAD TURN LEFT ON STATE PARK. TURN RIGHT ON PARKSTONE DRIVE.

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

CHECK FOUNDATION TYPE

(X) 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 — (X) Basement with Plumbing WALK OUT BASEMENT
( ) 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 (X) 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 (X) Innovative ( ) Modified Conventional ( ) Other:

Please answer the following to the best of your ability:

( ) Yes (X) No Does the site contain any jurisdictional wetlands?
( ) Yes (X) No Is any non-domestic sewage (i.e. industrial) to be generated?
( ) Yes (X) No Is the site subject to approval by any other public agency?

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

Signature: Wendell A. 7-2-19
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

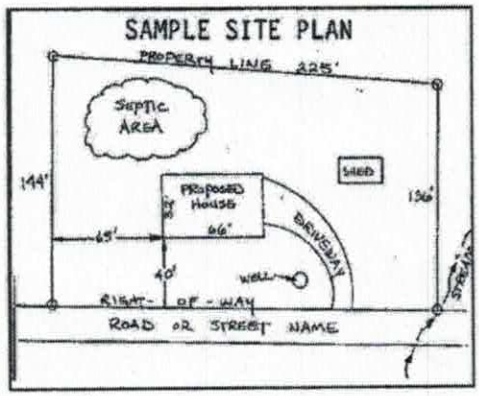
IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

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

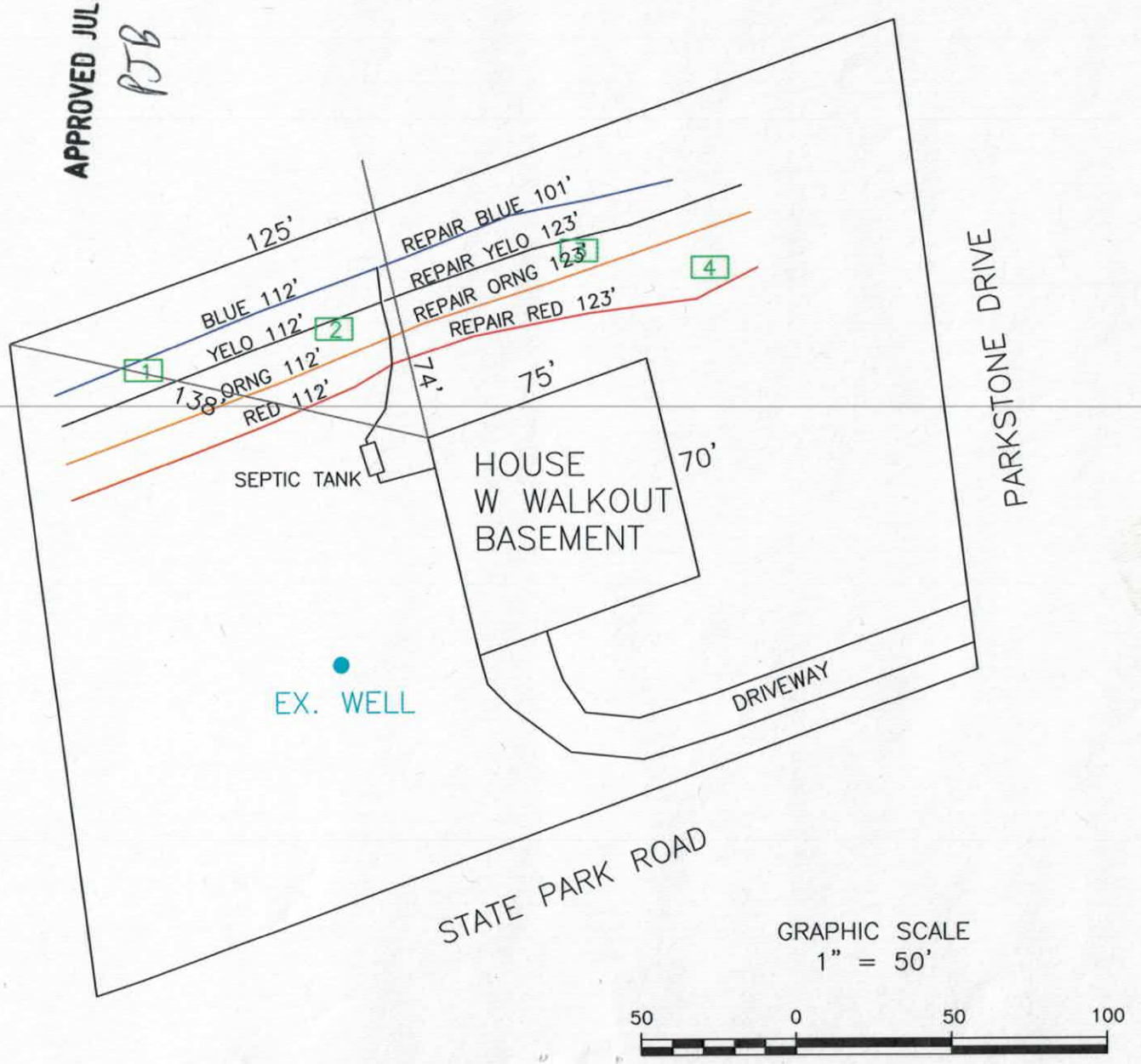
Show: proposed house or business footprint, wells, water lines, patios, pools and decks, and any other item that will occupy space on the site

SEE ATTACHED

Signature: Wendell Cg
Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

6/13/19
DATE

APPROVED JUL 31 2019
PJB



PROJECT NO.	#19-1044
PROJECT MGR.	WO
DRAWN BY	WO
FIELD WORK	WO
SCALE	1" = 50'

Soil & Forestry Services of the Carolinas, PA
PO Box 832–Mooresville, NC 28115
www.soilandforestryservices.com

SOIL & FORESTRY SERVICES OF THE CAROLINAS, PA

PROJECT NAME: PARKSTONE DRIVE
BRUNSWICK COUNTY, NORTH CAROLINA
AJ AUSTIN
JULY 2019

SHEET TITLE: SEPTIC SYSTEM LAYOUT / SITE PLAN SKETCH MAP

SHEET 1 OF 1

dotloop signature verification: dtlp.us/or05-NZXw-GmuU

IREDELL COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

DOCUMENTATION TO AUTHORIZE AN OWNER'S LEGAL REPRESENTATIVE

(Check and sign only ONE of the options below)

1. *** APPLICANT AND OWNER ARE THE SAME. *** (*Sign here*) _____

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.

2. I, David Collin, am the legal owner(s) of the property located at 107 Parkstone Dr Troutman, NC 28166, identified as PIN (Parcel Identification Number) 4730037449, located in Iredell County, North Carolina. I do hereby authorize (**print legal representative/company name**) Wendell Overby, _____, 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.

Collin Homes, Inc. dotloop verified 06/06/19 5:21 PM EDT DBMV-TEU0-DJDT-U5NL

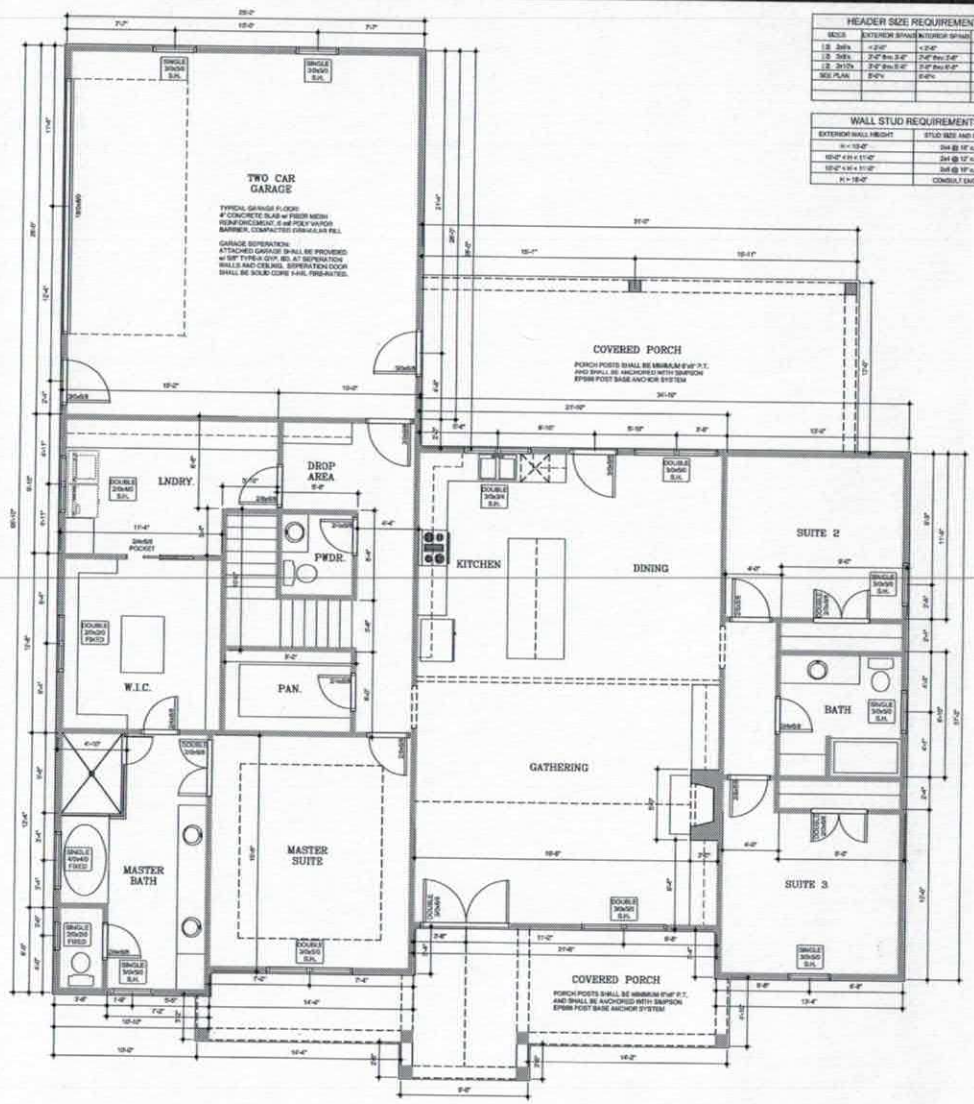
Signature of Owner(s)

06/06/2019

Date

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



101 A1.0 MAIN LEVEL PLAN 1/4" = 1'-0"

HEADER SIZE REQUIREMENTS			
SIZES	EXTERIOR BRWS	INTERIOR BRWS	JACK STUDS
(2) 2x6's	<2'-6"	<3'-6"	1
(2) 2x8's	2'-6" thru 3'-6"	3'-6" thru 5'-6"	2
(2) 2x10's	3'-6" thru 5'-6"	5'-6" thru 8'-6"	2
SEE PLAN	5'-6"+	8'-6"+	SEE PLAN

WALL STUD REQUIREMENTS	
EXTERIOR WALL HEIGHT	STUD SIZE AND SPACING
H = < 10'-0"	2x4 @ 16" o.c.
10'-0" < H < 11'-0"	2x4 @ 12" o.c.
10'-0" < H < 11'-0"	2x6 @ 16" o.c.
H > 10'-0"	CONSULT ENGINEER

TYP. HANGERS FOR JOIST & BEAMS	
NOTE: ALL HANGERS BY SIMPSON STRONG-TIE CO., INC. (BRAND-NAME EQUIVALENTS ACCEPTABLE)	
MEMBERS	HANGER
2x6	LUS26
2x10	LUS210
2x12	LUS212
(2) 2x6	HUS26-2
(2) 2x10	HUS210-2
(2) 2x12	HUS212-2
(3) 2x6	LUS26-2
(3) 2x10	LUS710-2
(3) 2x12	HUS210-MBL
(2) 1-3/8"x9-1/4" LVL	ROU9410
(2) 1-3/8"x9-1/2" LVL	HUS9410
(2) 1-3/8"x11-7/8" LVL	HUS9412
(2) 1-3/8"x11-7/8" LVL	HUS9412
(2) 1-3/8"x14" LVL	HUS9414
(2) 1-3/8"x16" LVL	HUS9414
(2) 1-3/8"x16" LVL	HUS9416
(3) 1-3/8"x9-1/4" LVL	HUS9S.25/9210
(3) 1-3/8"x9-1/2" LVL	HUS9S.50/9210
(3) 1-3/8"x11-7/8" LVL	HUS9S.50/9212
(3) 1-3/8"x11-7/8" LVL	HUS9S.50/9212
(3) 1-3/8"x14" LVL	HUS9S.50/9214
(3) 1-3/8"x16" LVL	HUS9S.50/9214
(4) 1-3/8"x16" LVL	HUS9S.50/9216
(4) 1-3/8"x9-1/2" LVL	HUS9T.25/10
(4) 1-3/8"x11-7/8" LVL	HUS9T.25/12
(4) 1-3/8"x11-7/8" LVL	HUS9T.25/12
(4) 1-3/8"x14" LVL	HUS9T.25/14
(4) 1-3/8"x16" LVL	HUS9T.25/14

GENERAL PLAN NOTES

1. DRAWINGS ARE NOT TO BE SCALED. DIMENSIONS IN QUESTION SHALL BE CLARIFIED BY ARCHITECT.
2. ALL EXTERIOR DIMENSIONS ARE SHOWN TO THE OUTSIDE FACE OF STUD, UNLESS NOTED OTHERWISE.
3. ALL INTERIOR DIMENSIONS ARE SHOWN TO THE INSIDE FACE OF STUD, UNLESS NOTED OTHERWISE.
4. ALL INTERIOR WALLS ARE ASSUMED TO BE 3-1/2" WOOD STUDS, UNLESS NOTED OTHERWISE.
5. ALL EXTERIOR WALLS ARE ASSUMED TO BE 3-1/2" WOOD STUDS (PLUS 1/2" EXTERIOR WALL SHEATHING) , UNLESS NOTED OTHERWISE.
6. ALL DOORS TO BE CENTERED, UNLESS NOTED OTHERWISE.
7. PROVIDE WOOD BLOCKING IN WALLS FOR MOUNTING OF ALL CABINETS, TOILET ACCESSORIES AND OTHER WALL MOUNTED ITEMS.
8. ALL CABINETRY TO BE DESIGNED BY OTHERS AND SHALL MEET ALL APPLICABLE ACCESSIBILITY CODES (IF REQUIRED).
9. ALL FINISH AND COLOR SELECTIONS TO BE APPROVED BY ARCHITECTS.
10. NUMBER OF EXTERIOR HEATERS TO BE FIELD VERIFIED. AT LOCATIONS WHERE 4 OR MORE ARE REQUIRED A HIGH-RISE XREL ALSO BE REQUIRED.
11. PROVIDE TERMITE CHEMICAL AT FOUNDATION, AS REQUIRED.
12. MINIMUM 25-1/2" (+/-) 24-1/2" (+/-) ATTIC ACCESS DOOR w/ PULL DOWN LADDER TO BE DETERMINED ON SITE AND WEATHERSTRIPPED AND INSULATED WITH MIN. R-5.
13. HVAC RETURN (S) TO BE DETERMINED ON SITE.
14. ALL COUNTERTOPS TO BE 36" A.F.F., UNLESS NOTED OTHERWISE.
15. ALL DOOR HEIGHTS ARE SHOWN ON PLANS.

FRAMING CONSTRUCTION-OTHER THAN ROOF

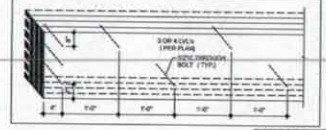
1. STEEL BEAMS MUST HAVE (3) 2x4 STUD JACKS UNDER EACH END SUPPORT, UNLESS NOTED OTHERWISE.
2. MICRO-LAM BEAMS, SEE SS.1, CONSTRUCTION OTHER THAN ROOFS, SCTL.7
3. ALL BRICK OVER LOWER ROOFS MUST HAVE ANGLE WITH STOPS LAG SCREWS TO STUDS ABOVE AND ACCORDANCE WITH DETAIL.
4. ALL WOOD I-JOISTS AND OPEN JOISTS MUST BE BRACED IN ACCORDANCE WITH MANUFACTURERS DIRECTIONS PLUS DETAILS SHOWN ON PLANS.
5. ALL RAFTER BRACES MUST HAVE 2 STUDS FROM PLATE TO FOUNDATION OR BEAM BELOW THEM AT ALL FLOORS. NO BRACES ON CEILING PLATE WITHOUT STUDS DIRECTLY UNDER THEM.
6. WHERE PARTITIONS FALL BETWEEN FLOOR TRUSSES, 2"x4" LADDERS @ 16"o.c. MUST BE PLACED PERPENDICULAR TO THE TRUSSES TO SUPPORT THE PLYWOOD DECKING.
7. ON ALL OPEN WEB FLOOR TRUSSES OVER A 12' SPAN A MIN. SINGLE LINE OF 2"x4" SHALL BE NAILED TO DIAGONAL MEMBERS OR VERTICAL MEMBERS IN THE APPROXIMATE MID-SPAN AS A LOAD DISTRIBUTION MEMBER.
8. NON-LOAD BEARING CEILING JOISTS ARE PARALLEL TO EXTERIOR WALLS AND RAFTERS BEAR ON STUD WALL TOP PLATE ADJACENT TO CEILING JOISTS, WHICH RAFTERS AND TOP PLATE TO 2x6 HOOD 8" LONG (MIN) ON 8' CENTERS ALONG LENGTH OF CEILING JOISTS.
9. ALL CATHEDRAL OPEN GREAT ROOMS, LIVING ROOMS, WITH 2 OR MORE ADJACENT OPENINGS OF 3' OR LESS MUST USE A 3-1/2"x3-1/2"x1/2" STEEL ANGLE VERTICALLY FROM FLOOR TO TOP PLATE LAGGED TO KING STUDS WITH (3) 3"x3" LAGS @ 24"o.c. VERTICALLY AND LAGGED TO FLOOR AND TOP PLATE WITH (1) 3/4"ø¢ LAG THROUGH A 3/8" PLATE AT THE TOP AND BOTTOM. MULTIPLE OPENINGS WITH 3' OR LESS SPACE BETWEEN ROUGH OPENINGS SHALL HAVE AT LEAST (1) STEEL ANGLE VERTICALLY IN EACH MULLION SPACE. THE SHEATHING ON THIS STEEL REINFORCED PARTITION SHALL BE 5/2" PLYWOOD, NO OTHER SHEATHING SHALL BE PERMITTED.

STAIRWAYS

1. TREADS SHALL BE 9" 2X10" PLUS A 1" NOSING
2. RISERS SHALL BE FIELD VERIFIED (NOT TO EXCEED 8-1/4").
3. STAIR SHALL BE 36" WIDE CLEAR MINIMUM AND SHALL HAVE A HANDRAIL AT A HEIGHT ABOVE THE NOSING OF 34"-38".
4. GUARD RAIL HEIGHT SHALL BE A MINIMUM OF 36" IN HEIGHT PER R312.1.2
5. REQUIRED GUARDS SHALL NOT HAVE OPENINGS FROM WALKING SURFACE TO GUARD RAIL HEIGHT THAT ALLOW PASSAGE OF A 4" SPHERE.
6. GUARDS ON OPEN SIDES OF STAIRS SHALL NOT HAVE OPENINGS ALLOWING PASSAGE OF A 4-3/8" SPHERE.
7. TRIANGLE FORMED BY RISER, TREAD AND BOTTOM GUARD RAIL SHALL NOT ALLOW PASSAGE OF A 6" SPHERE.

MAIN LEVEL	
HEATED SQUARE FOOT	2,231 SQ. FT.
COVERED FRONT PORCH	279 SQ. FT.
COVERED REAR PORCH	372 SQ. FT.
GARAGE AND STORAGE	850 SQ. FT.
LOWER LEVEL	
HEATED SQUARE FOOT	1,560 SQ. FT.
TOTAL	
HEATED SQUARE FOOT	3,791 SQ. FT.
UNHEATED SQUARE FOOT	1,403 SQ. FT.

LVL BOLTING PATTERN DETAIL



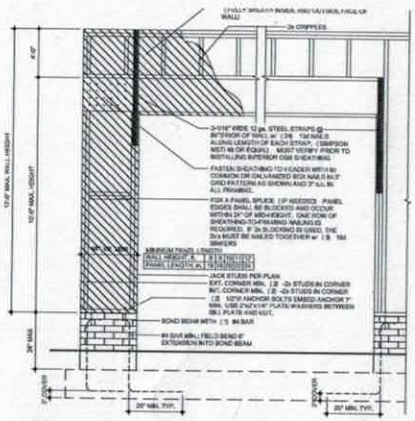
EGRESS WINDOW REQUIREMENTS



TABLE N1102.1.2 - INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT										
CLIMATE ZONE	FENESTRATION U-FACTOR	SKYLIGHT U-FACTOR	GLAZED FENESTRATION SHGC	CEILING R-VALUE	WOOD FRAME WALL R-VALUE	MASS WALL R-VALUE	FLOOR R-VALUE	BASEMENT WALL R-VALUE	SLAB R-VALUE AND DEPTH	CRAWL SPACE WALL R-VALUE
3	0.35	0.55	0.30	38 OR 30 CONT.	13 13+2.5	5/13 8/13 c.i.	19	5/13	0	5/13
4	0.32	0.55	0.30	38 OR 30 CONT.	13 13+2.5	5/13 8/10 c.i.	19	10/13	10	10/13
5	0.30	0.55	NR	38 OR 30 CONT.	19, 13+5, OR 15+3	13/17 13+2.5 c.i.	30	10/13	10	10/13



209 A2.1 PORTAL FRAME DTL.



208 A2.1 PORTAL FRAME DTL. NTS

APPROVED JUL 31 2019
Plans Submittal
Date
Date
8/2/19

1801 PORCH ROAD LINCOLNTON, NC 28092 (704) 732-0382 - CELL (704) 435-5886 SBEALSMG@YAHOO.COM	MSJ DRAFTING

MAIN LEVEL PLAN AND NOTES

A1.0

A NEW RESIDENCE FOR: ANTHONY AND MADISEL ALSTON	
PROJECT ADDRESS:	107 PARKSTONE DRIVE TROUTMAN, NC 28166

ALSTON

A1.0

IREDELL COUNTY

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

APPLICATION NUMBER
246005
Issue Date: 06/24/2019

ZONING PERMIT

Open Space

Parcel Number	Street Address	Jurisdiction
4730037449.000	107 PARKSTONE DRIVE, TROUTMAN, NC	IREDELL COUNTY

Owner Information	Applicant Information
Owner: GOODWIN JESSE A+KIMBERLY A	Applicant: SOIL & FORESTRY SERVIC
Address: 15108 STONEGREEN LN	Address: P.O. BOX 832
TROUTMAN, NC 28078	MOORESVILLE, NC 28115
Phone:	Phone:

Use Requested	Zone Code
SFD	RA

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
1.409	35.00	35.00	25.00	15.00	CACL	X

Remarks:

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.

Applicant: _____ Date: _____

Permit Number	182706	TOTAL FEES:	$ 77.25