ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 | Mooresville Office (704) 660-3625 | PERMIT # AP313199

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

PIN # 4715-74-8301

APPLICANT/OWNER: Castlegate LLC | APPLICANT ADDRESS: 7271 Long Island Rd Catawba NC

SITE ADDRESS: 125 Greythorn Rd Statesville NC 28625 | PHONE: | ALT. PHONE 704 578 4951

SITE DIRECTIONS: RT 64 RT 90 Absher Farm Loop Staffordshire | SAP CONTROLLED: ☒ YES ☐ NO

SUBDIVISION: Castlegate | SECTION: — | LOT # 64 | LOT AREA: 1.81 AC | DESIGN FLOW: 360 | L.T.A.R.: .30

Septic Tank	1000 (gal)	STB	760	Date	5-1	☒ New System	☐ Repair	☐ Expansion	System Type: I II (III) IV V VI	☒ Residence	No. Bedrooms 3
Pump Tank	1000 (gal)	PT	363	Date	6-28	System Description:	PM - 25% Reduction			☐ Business	No. Persons 6
Pump Make	Liberdy	Model	250	Serial #		Repair System Description:	LP-PPBPS-50% Reductin			☐ Other	No. Employees
# Nitrification Fields	1	# Lines	3	Linear Ft	300	Maintenance Agreement Required:	☐ YES	☒ NO		☐ Slab	☒ Crawl Space
Trench Width	36	Trench Bottom Depth ~~(Low side)~~	30 in max	Gravel Depth			☐ GRAVITY	☒ PRESSURE		☐ Basement w/plumbing	☐ Basement w/o plumbing

Water Supply: ☐ Private ☒ Public ☐ Community

Comments / Conditions: If pump line crosses storm drain 12 inches of separation must be maintained.

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:

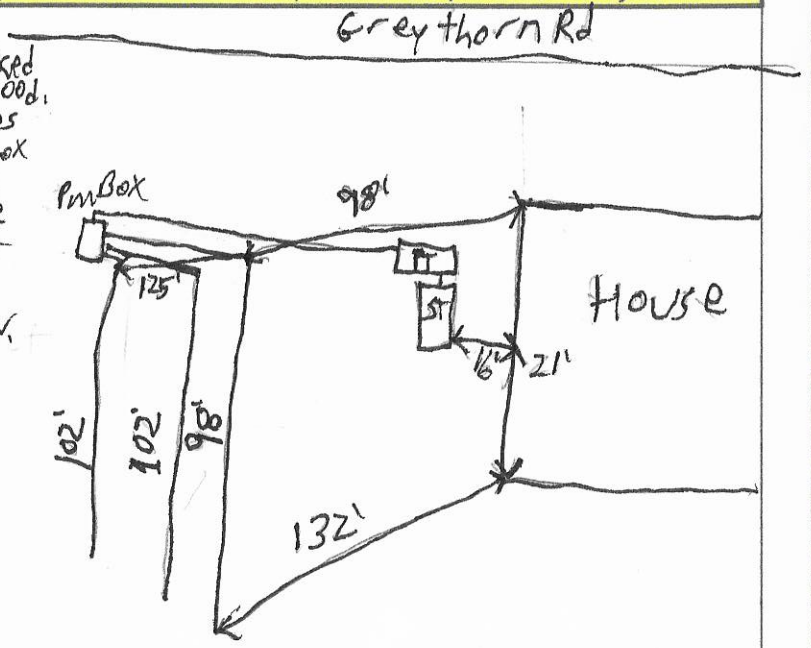
The Oaks Group PA

LSS # 1313.

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.

8/16/2021: Tank checked and were good. Drain lines and PM Box checked and were good. Set pressure with generator.



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.*

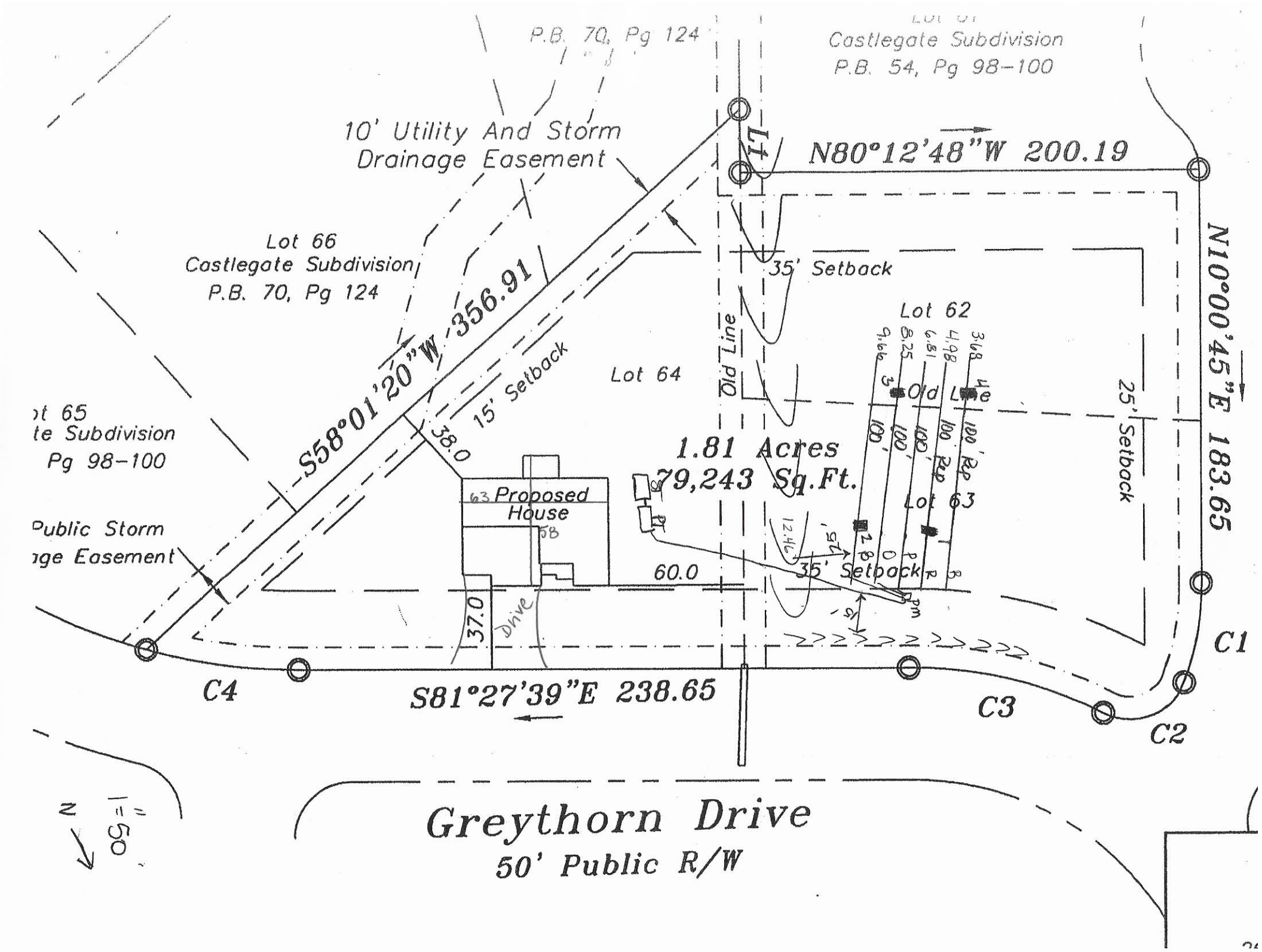
Owner / Applicant Signature: | Date: 12/16/20 | Installed by: (Kevin Rowan Septic)

IMPROVEMENT PERMIT by: Benjamin A Bruce | Date: 12-16-2020 | OPERATION PERMIT by: | Date: 8-16-2021

AUTHORIZATION TO CONSTRUCT by: Benjamin A Bruce | Date: 12-16-2020 | Existing System Inspected by: | Date:

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

	Date	Initials
Drain Lines Checked	8/6/2021	PJB
Tanks Checked	8/6/2021	PJB
Pressure Manifold or Valve Box Checked	8/6/2021	PJB
Pressure Head Set	8/6/2021	PJB
Electrical Checked	8.16.21	
Floats Set	8/6/2021	PJB
Alarm Checked	8.16.21	
Maintenance Contract Y (N) Not Required		
Comments:		


P.B. 70, Pg 124
Castlegate Subdivision
P.B. 54, Pg 98-100
10' Utility And Storm
Drainage Easement
L1
N80°12'48"W 200.19
N10°00'45"E 183.65
Lot 66
Castlegate Subdivision
P.B. 70, Pg 124
S58°01'20"W 356.91
35' Setback
Lot 62
Old Line
Lot 64
15' Setback
38.0
1.81 Acres
79,243 Sq.Ft.
63 Proposed House
Lot 63
25' Setback
60.0
35' Setback
37.0
Drive
C1
C2
C3
C4
S81°27'39"E 238.65
Greythorn Drive
50' Public R/W
1" = 50'

THE OAKS GROUP, PA

To: Iredell County Environmental Health Department (ICHD)

From: Kathleen Saunders, LSS

RE: 125 Greythorn Dr

Date: December 7, 2020

Attached is the septic specification information required to permit 125 Greythorn Drive for an Improvement Permit and/or Construction Authorization Permit in Iredell County via the Session Law 14 permitting process.

The attached information is not an Improvement Permit or an Authorization to Construct, and is only to assist the Iredell with permitting. The ICHD has to approve each lot and only the ICHD can issue these permits. The system should be installed according to the ICHD permits, policies, and NC Rules, which these specifications are in accordance with. If the ICHD wishes to change tank locations, distribution devices, etc they may do so at their discretion.

All information and specifications have been prepared in conjunction with ICHD permitting guidelines for the current lot owners to acquire an Improvement Permit and/or Authorization to Construct on this lot. It is ultimately the ICHD's responsibility to verify all specifications, **excluding** soil descriptions, before permitting and/or septic system installation. The site contains highly variable soils; there may be soil features present that were not encountered during the evaluation.

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). The LSS Evaluation is being submitted pursuant to and meets the requirements of SL 2018-114 11.(c). The LSS Evaluation contains sufficient information to produce design and construction features for an IP/CA, and the LSS contains the proper insurance with the proper coverage.

Kathleen Saunders

LICENSED SOIL SCIENTIST
KATHLEEN M. SAUNDERS
1313
STATE OF NORTH CAROLINA

Castlegate Lot 64 Fast Track Septic Spec Sheet

Number of Bedrooms	**3**
Basement or Crawl	**Crawl Space**
Design Flow (gpd)	**360**
Primary System LTAR (gpd/ft2)	**0.3**
Primary System Type	**25% Reduction**
No. Lines	3 (See Table)
Total Linear Feet	300
Trench Width	3' min.
Trench Spacing	9' min.
Max Trench Depth	30"
Pump Required	Yes
Distribution Device	Pressure Manifold
Maintenance Agreement Required	No
Length and Diameter of Supply Pipe	120' of 2" SCH 40 PVC
Flow Rate through the system	21.3 gpm
Elevation head	Approx. 8.8'
Pressure head	2.0'
Friction head	1.0'
20% Contingency	2.4'
Total Head	14.2'
Pump Requirements	21.3 gpm @ 14.2' of head To be designed by installer.
Maximum Dosing Volume	180 gal -2.0 doses/day @ design flow
Volume of water pumped per dose	Calculated to specific tank by measure or dealer engineering specifications (1 cubic ft. of water equals 7.48 gal.)
Pump Run per dose	8.5
Repair System	**LP PPBPS**
Total Linear Feet	200
Repair Loading Rate	0.3

Table: Summary of Primary and Repair Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)	Elevation (Ft.)
1	Repair	Blue	LP PPBPS	100	3.68
2	Repair	Red	LP PPBPS	100	4.98
3	System	Pink	25% Reduction	100 endfed	6.81
4	System	Orange	25% Reduction	100 endfed	8.25
5	System	Blue	25% Reduction	100 endfed	9.66
				Total System: 300'	
				Total Repair: 200'	

Tank	Red	1000 gal (2 compartment)	12.46 (low spot)
Pump Tank	Red	1000	
House	blue		

Manifold Information	
Tap Size (In.)	1/2
Tap Material	SCH 40 PVC
No. Taps	3
Barrel Size (In.)	4
Barrel Material	SCH 80 PVC
Flow (gpm)/Tap	7.11

Note: **All rod readings should be verified by installer prior to installation**
Tank Locations and distribution devices may be altered at the discretion of the LHD

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

Sheet ___ of ___
PROPERTY ID #: ___
COUNTY: ___

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

OWNER: Castlegate LLC
ADDRESS: PO Box 3792 28117
PROPOSED FACILITY: SFR
PROPOSED DESIGN FLOW (.1949): 360
LOCATION OF SITE: Castlegate Lot 64
APPLICATION DATE ___
DATE EVALUATED: 11/2/2020
PROPERTY SIZE: 1.81
PROPERTY RECORDED: yes

WATER SUPPLY: ☐ Private ☒ Public ☐ Well ☐ Spring ☐ Other ___
EVALUATION METHOD: ☐ Auger Boring ☒ Pit ☐ Cut
TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	L 5-10%	0-21	MoSBKC	FR SS/SP	B R;C sap 4el R	36"	PS	N/A	0.3
		21-36	WKSBKCL	↓					
		36-48	MA L sap	↓					
2	L 5-10%	0-18	MoSBKC	FR SS/SP	R R;C sap 4el R	34"	PS	N/A	0.3
		18-34	WKSBKCL	↓					
		34-48	MA L sap	↓					
3	L 5-10%	0-26	MoSBKC	FR SS/SP	R R;C sap	48+	N/A	N/A	0.3
		26-48	WKSBKCL	↓					
4	L 5-10%	0-13	MoSBKC	FR SS/SP	R R;C Graphite, C sap	48+	N/A	N/A	0.3
		13-48	WKSBKCL	↓					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	III b	IV
Site LTAR	0.3	0.3

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

LICENSED SOIL SCIENTIST
KATHLEEN M. SAUNDERS
1313
STATE OF NORTH CAROLINA

COMMENTS: ___

Updated February 2014

AP 313199 Rec'd 12/8/2020 | $1200

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH PD. 12-8-2020

APPLICATION FORM

Application For: ( ) 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

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: Castlegate LLC Address: 7271 Long Island Rd Catawba Zip: NC

Applicant Email: _____ Phone: _____ Alt. Phone: _____

Owner Name: Same Address: _____ Zip: _____

Owner Email: _____ Phone: _____ Alt. Phone: 704-578-4951 (LSS)

Property Information:

Street Address: 125 Greythorn Rd - STV 28625

Subdivision Name: Castlegate Section/Phase: 2 Lot Number: 64

Driving Directions: Rt 64, Rt 90, Absher Farm Loop, Staffordshire

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

CHECK FOUNDATION TYPE

(X) New Single Family Residence — Maximum Number of Bedrooms: 3 — (X) Crawl Space Foundation
( ) New Multi-Family Residence — Maximum Number of Occupants: 6 — ( ) 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 (X) 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: _____

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: Kathleen Saunders 12-7-2020
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

AUTHORIZATION TO ACT AS AGENT FOR OWNER

Any application/document/permit requiring a signature must be signed by the property owner or their authorized agent. This form shall be provided by the owner to allow specified individuals to act as agents for the owner. This form allows the specified individuals to sign or receive any application/document/permit on behalf of the owner. This form allows the authorized agent to make decisions on behalf of the owner pertaining to modifications of permits in the field. It is the responsibility of the owner to assure that any/all permit conditions specified on permits issued by this Division are followed.

I, Ray Short, am the legal owner of the property located at 125 Greythorn, identified as PIN(Parcel Identification Number)_____, located in Iredell County, North Carolina.

I do hereby authorize (print authorized agent/company name) The Oaks Group, _____, _____, _____, _____, to act as an agent on my behalf in applying for/signing/obtaining any of the documents described below.

1. Improvement Permit (IP)/ Authorization to Construct (AC).
2. Application for soil-site evaluation (new/repair).
3. Application/permit for water well/well abandonment.
4. Application for existing system.
5. Application for Improvement Permit (IP)/ Authorization to Construct (AC).

I agree to abide by any and all decisions and/or conditions between the agent acting on my behalf and the Iredell County Department of Public Health, Environmental Health Division. This form must be fully executed before the individual's specified above will be recognized as the authorized agent.

Signature of Owner — Date: 12-7-2020

Signature of Witness — Date

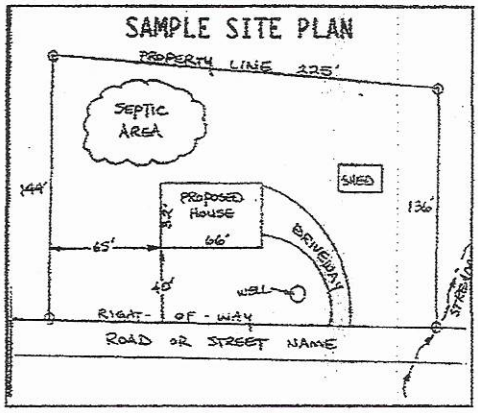
IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

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:

- (✓) **Property Line measurements are clearly identified**
- (✓) **All proposed structures are indicated**
- (✓) **Front and side setbacks from property line**
- (✓) **Preferred driveway location**
- (✓) **Preferred well location**
- (✓) **Preferred septic system location**
- (✓) **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)

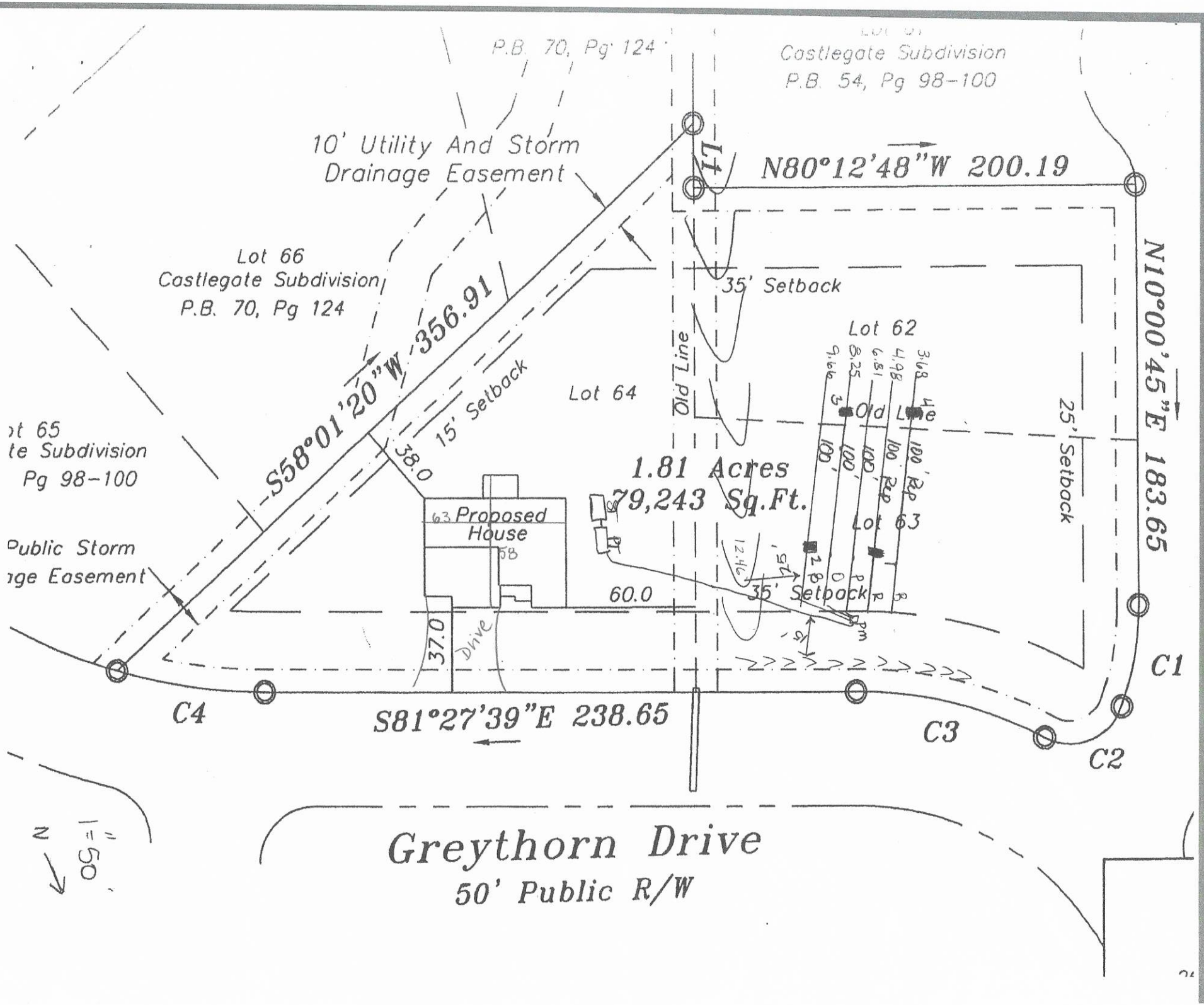
USE THIS SPACE TO DRAW YOUR SITE PLAN

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

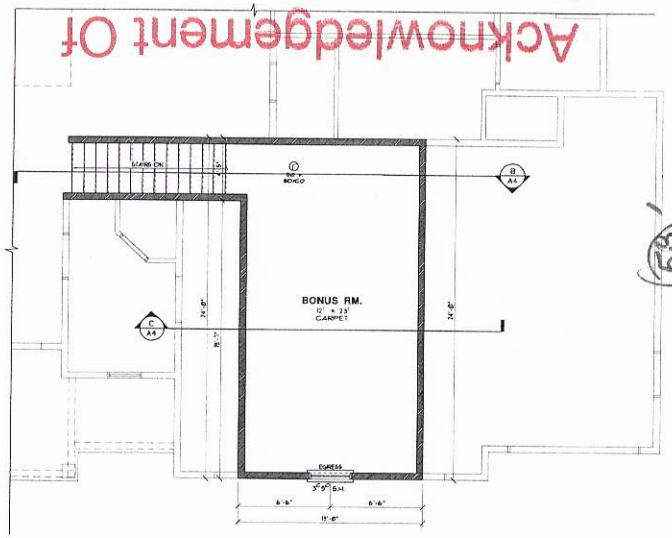
Please see Attached

Signature: Kathleen Saunders
Property owner or owner's legal representative signature (**SIGNATURE REQUIRED**)

12-7-2020
DATE

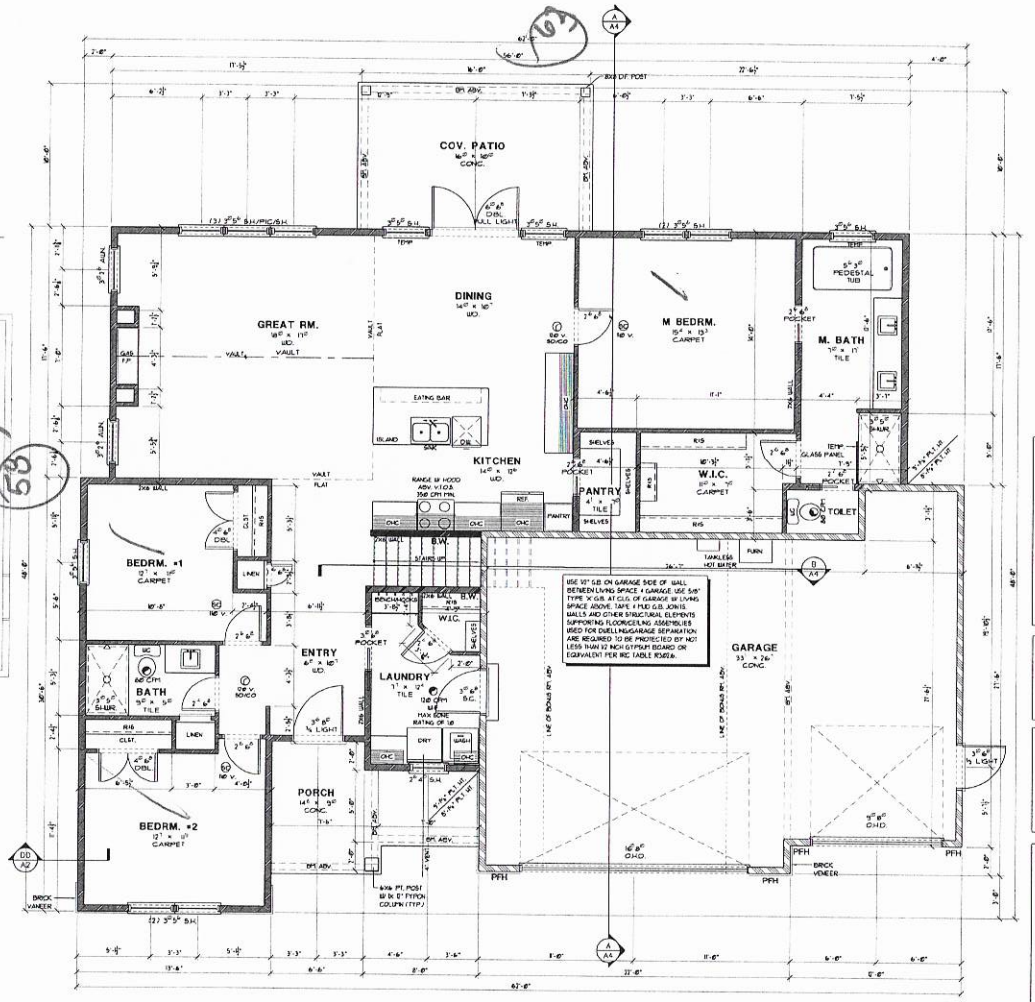

P.B. 70, Pg 124
Castlegate Subdivision
P.B. 54, Pg 98-100
10' Utility And Storm
Drainage Easement
L1
N80°12'48"W 200.19
N10°00'45"E 183.65
Lot 66
Castlegate Subdivision
P.B. 70, Pg 124
35' Setback
Lot 62
Old Line
Lot 64
S58°01'20"W 356.91
15' Setback
38.0
25' Setback
1.81 Acres
79,243 Sq.Ft.
63 Proposed House
58
Lot 63
60.0
35' Setback
37.0
Drive
C1
C2
C3
C4
S81°27'39"E 238.65
Greythorn Drive
50' Public R/W
N
1" = 50'

Acknowledgement Of
Plans Submittal ONLY!
Date 12/6/22



SECOND FLOOR PLAN

SCALE 1/4" = 1'-0"



MAIN FLOOR PLAN

SCALE 1/4" = 1'-0"

WHOLE HOUSE VENTILATION SYSTEMS SHOULD COMPLY WITH PHPP15.

- FAN NOISE: WHOLE HOUSE FANS LOCATED 4' OR LESS FROM INTERIOR GRILL SHALL HAVE A SONE RATING OF 1.0 W. WATER GAUGE
- OUT DOOR AIR SHALL BE DISTRIBUTED TO EACH HABITABLE SPACE BY INDIVIDUAL OUTDOOR AIR INLETS
- DOORS SHALL BE UNDERCUT TO A MIN. OF ½" ABV. FIN. FLR. COVERING
- INDIVIDUAL RM. OUTDOOR AIR INLETS SHALL PROVIDE NOT LESS THAN 4 SQ. IN. OF NET FREE AREA OF OPENING FOR EA. HABITABLE SPACE

FLOOR PLAN NOTES:

1. VINYL FRAME WINDOWS TYPICAL. ROUGH OPENINGS MAY VARY, VERIFY PER MFG. SPECS.
2. CABINET DESIGN BY OTHERS TO BE VERIFIED W/ ACTUAL FRAMED (AS BUILT) DIMENSIONS ON SITE.
3. FOR ALL BEAM SIZES & LOCATIONS REFER TO STRUCTURAL FRAMING PLANS & ENGINEERING CALCS DURING CONSTRUCTION.
4. SEE STRUCTURAL PLANS FOUNDATION, FRAMING & SHEAR WALL SHEETS FOR ALL SIMPSON HOLD-DOWNS AND STRAPS AND HANGERS.

FRAMING NOTE:
FOR ALL BEAM SIZES & LOCATIONS REFER TO STRUCTURAL FRAMING PLANS & ENGINEERING CALCS. DURING FRAMING CONSTRUCTION.

GUARDRAIL NOTE:
SHOP DRAWINGS, SIGNED & SEALED BY A REGISTERED DESIGN PROFESSIONAL, WILL BE REQUIRED FOR THE GUARDRAIL SYSTEMS AT THE STAIRS & DECK.

DUCT SEALING & BLOWER TESTING:
- DUCTS LOCATED OUTSIDE THE CONDITIONED SPACE MUST BE SEALED & TIGHTNESS VERIFIED BY LEAKAGE TESTING PER M.M.C. SECTION 403.2.2, AND INSULATED TO A MINIMUM OF R-8.
- AIR LEAKAGE TESTING REQUIRED FOR NEW HOUSES. MAXIMUM LEAKAGE ALLOWED PER M.M.C. 403.2.2.

FURNACE & HOT WATER TANK NOTE:
- FURNACE & HOT WATER APPLIANCES SHALL BE DIRECT VENT
- ALL COMBUSTION AIR TO COME DIRECTLY FROM EXTERIOR.
- 30" CLEAR SPACE IN FRONT OF FURNACE.
- APPLIANCES TO BE FASTENED IN PLACE PER CODE
- WATER HEATER TO BE INSTALLED A MIN. OF 18" ABV. FLR.
- INSULATION FOR ALL HOT WATER PIPES SHALL HAVE A MIN. THERMAL RESISTANCE OF R-3 WITHIN AND OUTSIDE CONDITIONED SPACE. NO. CAN BE INTERRUPTED WHEN PASSING THROUGH JST., STUDS & STRUCTURAL MEMBERS OR WHERE PASSING OTHER PIPING, CONDUIT, OR VENTS, PROVIDED THE INS. IS SECURED TIGHTLY TO EACH OBSTRUCTION.

DUCT CONSTRUCTION:
- DUCTS IN THE GARAGE AND DUCTS PENETRATING THE WALLS OR CEILINGS SEPARATING THE DWELLING FROM THE GARAGE SHALL BE CONSTRUCTED OF A MINIMUM OF NO. 26 GAUGE SHEET STEEL AND HAVE NO OPENINGS INTO THE GARAGE. THIS WOULD ALSO PROHIBIT FILTER ACCESS OPENINGS IN THE RETURN AIR DUCT SYSTEM.

SMOKE ALARM NOTE:
- SMOKE ALARMS TO BE INTERCONNECTED OR WIRELESSLY CONNECTED SO THAT THE ACTIVATION OF ONE ALARM ACTIVATES ALL ALARMS IN A DWELLING UNIT.

AIR LEAKAGE CONTROL & EFFICIENT VENTILATION NOTE 3A
- COMPLIANCE BASED ON R405+12. REDUCE THE TESTED AIR LEAKAGE TO 3.0 AIR CHANGES PER HOUR MAXIMUM AND ALL WHOLE HOUSE VENTILATION REQUIREMENTS DETERMINED BY SECTION M1507.3 OF THE INTERNATIONAL RESIDENTIAL CODE SHALL BE MET WITH HIGH EFFICIENCY FAN (MAX @ 3.0 SONES) NOT INTERLOCKED WITH THE FURNACE FAN. VENTILATION SYSTEMS USING A FURNACE INCLUDING AN ECM MOTOR ARE ALLOWED, PROVIDED THAT THEY ARE CONTROLLED TO OPERATE AT LOW SPEED IN VENTILATION ONLY MODE TO QUALIFY TO CLAIM THIS CREDIT, THE BUILDING PERMIT DRAWINGS SHALL SPECIFY THE OPTION BEING SELECTED AND SHALL SPECIFY THE MAXIMUM TESTED BUILDING AIR LEAKAGE AND SHALL SHOW THE QUALIFIED VENTILATION SYSTEM.

HIGH EFFICIENCY HVAC EQUIPMENT 3A: 10
- GAS, PROPANE OR OIL FIRED FURNACE WITH MINIMUM AFUE OF 94% OR GAS, PROPANE OR OIL FIRED BOILER WITH MINIMUM AFUE OF 92%, TO QUALIFY TO CLAIM THIS CREDIT THE BUILDING PERMIT DRAWINGS SHALL SPECIFY THE OPTION BEING SELECTED AND SHALL SPECIFY THE HEATING EQUIPMENT TYPE AND THE MINIMUM EQUIPMENT EFFICIENCY.

EFFICIENT WATER HEATING 3A: 5
- ALL SHOWERHEAD & KITCHEN SINK FAUCETS INSTALLED IN THE HOUSE SHALL BE RATED AT 1.5 GPM OR LESS. ALL OTHER LAVATORY FAUCETS SHALL BE RATED AT 1.0 GPM OR LESS TO QUALIFY TO CLAIM THIS CREDIT, THE BUILDING PERMIT DRAWINGS SHALL SPECIFY THE OPTION BEING SELECTED AND SHALL SPECIFY THE MAXIMUM FLOW RATES FOR ALL SHOWERHEADS, KITCHEN SINK FAUCETS, AND OTHER LAVATORY FAUCETS.

EFFICIENT WATER HEATING 5C: 15
- WATER HEATING SYSTEM SHALL INCLUDE ONE OF THE FOLLOWING: GAS, PROPANE, OR OIL WATER HEATER WITH A MINIMUM EF OF 0.78 OR SOLAR WATER HEATING SUPPLEMENTING A MINIMUM STANDARD WATER HEATER. SOLAR WATER HEATING WILL PROVIDE A RATED MINIMUM SAVINGS OF 50 THERMS OF ANNUAL WH BASED ON THE SOLAR RATING AND CERTIFICATION CORPORATION (SRCC) ANNUAL PERFORMANCE OF 00-SRF CERTIFIED SOLAR WATER HEATING SYSTEMS, OR ELECTRIC HEAT PUMP WATER HEATER WITH A MINIMUM EF OF 2.0 AND MEETING THE STANDARDS OF MEA'S NORTHERN CLIMATE SPECIFICATIONS FOR HEAT PUMP WATER HEATERS. TO QUALIFY TO CLAIM THIS CREDIT, THE BUILDING PERMIT DRAWINGS SHALL SPECIFY THE OPTION BEING SELECTED AND SHALL SPECIFY THE WATER HEATER EQUIPMENT TYPE AND THE MINIMUM EQUIPMENT EFFICIENCY AND, FOR SOLAR WATER HEATING SYSTEMS, THE CALCULATION OF THE MINIMUM ENERGY SAVINGS.

NOTE:
PROVIDE TEMPERED GLAZING IN ALL WINDOWS WITH EXPOSED AREAS GREATER THAN 9 SF, AND IN WINDOWS WITH SILL EDGE LESS THAN 18" ABV. FLOOR.

SQUARE FOOTAGE

MAIN FLR.	1,792 S.F.
BONUS RM.	330 S.F.
TOTAL	2,122 S.F.
GARAGE	795 S.F.
COVRD. PATIO	160 S.F.

ABBREVIATION KEY
GYP. BD. - GYPSUM BOARD
SHT. - SHEETROCK
BLW. - BELOW
SQ. - SQUARE FEET
RWL. - RAIN WATER LEADER
EA. - EACH (AT)
℄ - CENTER LINE
FIN. FL. - FINISHED FLOOR LEVEL
AFL. - ABOVE FLOOR LEVEL
BOT. - BOTTOM OF
TOP - TOP OF
BP. - BEARING POINT
BW. - BEARING WALL
PT. - PRESSURE TREATED
DF. - DOUGLAS FIR
INT. - INTERIOR
EXT. - EXTERIOR
DN. - DEAN
ABV. - ABOVE
EXP. - EXPOSE
HOSE BIBB
GAS STUB
@ DOWN SPOUT

Cont. Farmhouse 823
Plan # 20-1016

Single Story	
Main Flr.	1,792
Bonus Rm.	330
Total Sq. Ft.	2,122
Garage	795

FLOOR PLANS

JWR Design, Inc.
Stock Plans @
jwrdesign.com

JWR DESIGN

DRAWN LGR
DATE 1-30-20
SCALE AS NOTED
CHECKED J.W.R.
SHEET A3 OF A4

IREDELL COUNTY · NC

IREDELL COUNTY

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

APPLICATION NUMBER
313199 Issue Date:

Permit Type: ZONING

Parcel Number	Street Address	Jurisdiction
4715748301.000	125 GREYTHORN DR	Iredell County

Owner Information	Applicant Information
Name: ST1 LLC	Name: THE OAKS GROUP
Address:	Address: 121 HOLT LN
,	MOORESVILLE, NC 28117
Phone:	Phone: (704)578-4951

Use Requested	Zone Code
Single Family Dwelling	RA

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
1.81	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.

Signature of Owner/Contractor

Date: 12/08/2020

Permit Number	313199

TOTAL FEES:	$77.25