# IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 234689

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

PIN # 4715747883 ✓

APPLICANT/OWNER: Castlegate LLC APPLICANT ADDRESS: 282 Scotts Creek Rd Statesville NC 28625

SITE ADDRESS: ✓ 148 Greythorn Dr Statesville NC 28625 PHONE: 704-578-4951 ALT. PHONE N/A

SITE DIRECTIONS: Rt. On 64, Rt on 90W/ left onto Absher Farm Lp, left onto Staffordshire Dr, Rt onto Greythorn Dr, property on right. SAP CONTROLLED: ☐ YES ■ NO

SUBDIVISION: ✓ Castlegate SECTION: — LOT # 27 LOT AREA: 0.46 ac DESIGN FLOW: 360 L.T.A.R.: 0.3

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Septic Tank | 1000 | (gal) | STB | 825 | Date | 11-25-19 | ■ New System ☐ Repair ☐ Expansion System Type: I II III IV V VI | ■ Residence | No. Bedrooms | 3 | Water Supply |
| Pump Tank | | (gal) | PT | | Date | | System Description: 25% Reduction | ☐ Business | No. Persons | 6 | ☐ Private |
| Pump Make | | | Model | | Serial # | | Repair System Description: LPPBPPS | ☐ Other | No. Employees | | ■ Public |
| # Nitrification Fields | 1 | # Lines | 4 | Linear Ft | 300 | | Maintenance Agreement Required: ☐ YES ■ NO | ☐ Slab | ■ Crawl Space | | ☐ Community |
| Trench Width | 36" | Trench Bottom Depth(Low Side) | | 30" | Gravel Depth | N/A | ■ GRAVITY ☐ PRESSURE | ☐ Basement w/plumbing | | | ☐ Basement w/o plumbing |

Comments / Conditions: Per plan By The Oaks Group, PA

INITIAL SITE SKETCH

**This permit is issued pursuant to Section 11.(c) of SL 2018-114 using the signed and sealed**

**LSS Evaluation attached here.**

**See plan by:The Oaks Group, PA**

AS BUILT SKETCH

L1 - 86'
L2 - 90'
L3 - 94'
L4 - 30'

*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: Kathleen Saunders Date: 9-11-18 Installed by: Rowan Septic

IMPROVEMENT PERMIT by: Date: 9/7/18 OPERATION PERMIT by: Carla C. Nicks Date: 1-10-20

AUTHORIZATION TO CONSTRUCT by: Date: 9/7/18 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.

Notes:

1) This property may be subject to any Easements, Rights-of-way, and/or Restrictive Covenants.

2) Boundary information based on Map Book: 54 at Page: 98-100 as recorded in the Iredell County Register of Deeds.

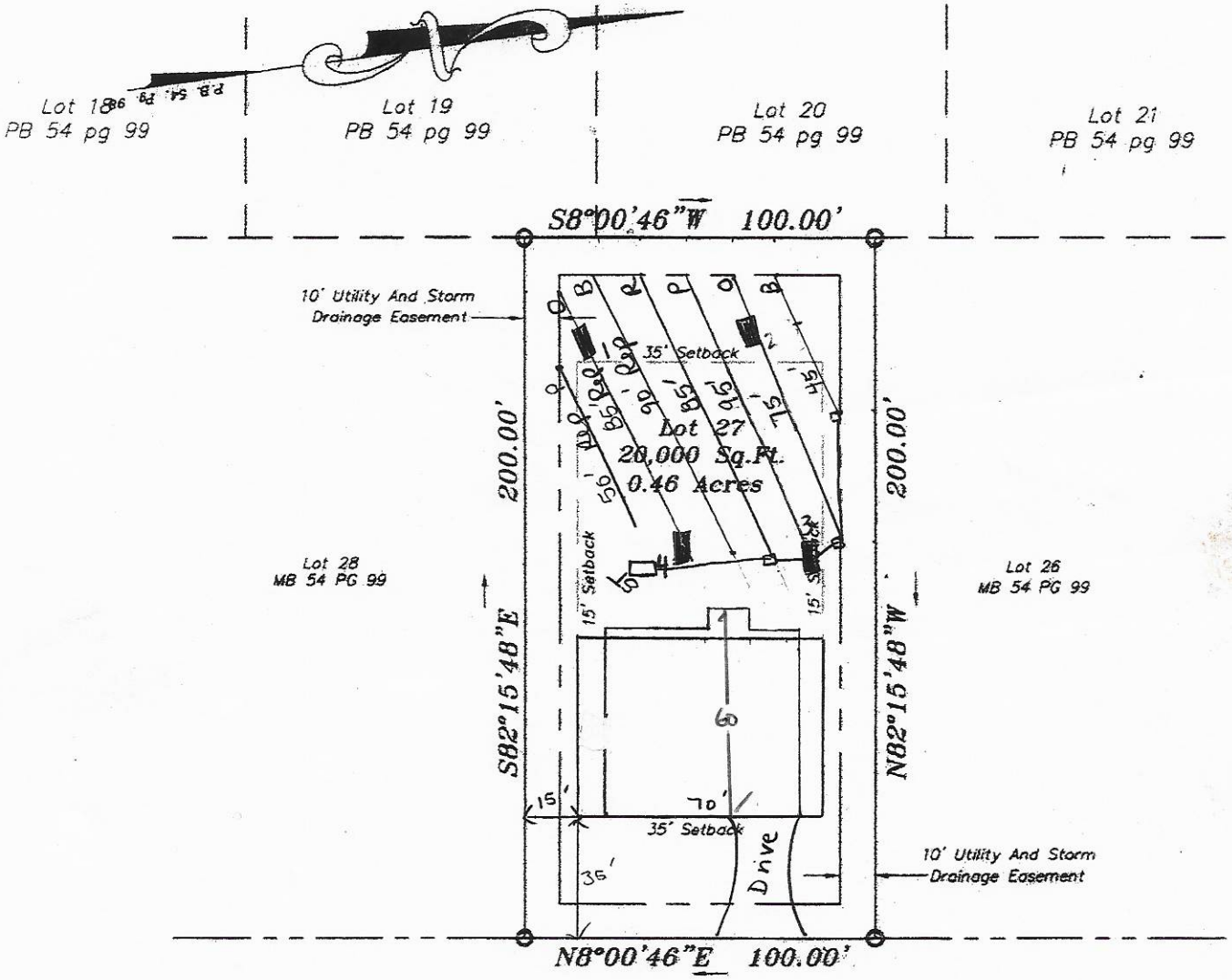
3) No N.C.G.S. or U.S.G.S. Monuments could be located within 2000'.

4) Area by coordinate method.

5) This survey is of an existing parcel of land.

**Legend**

R/W = Right-of-way
I.P.S. = #4 Rebar Set
B.O.C. = Back of Curb
= Not to scale
= Telephone Pedestal
= Utility Pole
= Cable Pedestal
= Calculated Point




## Greythorn Drive

**50' Public R/W**

GRAPHIC SCALE

50 0 25 50 100 200

( IN FEET )

THE OAKS GROUP, PA

To: Iredell County Environmental Health Department (ICHD)

From: Kathleen Saunders, LSS

RE: 148 Greythorn Dr

Date: August 14, 2018

Attached is the septic specification information required to permit 148 Greythorn Dr for an Improvement Permit and/or Construction Authorization Permit in Iredell County via the Expedited Review Process.

The attached information is not an Improvement Permit or an Authorization to Construct, and is only to assist the ICHD 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 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 the above mentioned SL. 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 maintains the proper insurance with the proper coverage.

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

Kathleen Saunders

## Lot 27 Castlegate Fast Track - The Oaks Group, PA

| | |
|---|---|
| **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 | 4 (See Table) |
| Total Linear Feet | 300 |
| Trench Width | 3' min. |
| Trench Spacing | 9' min. |
| Distribution Device | Drop Boxes or Other |
| Tank Size | 1000 gallon tank |
| Max Trench Bottom Depth (Low Side) | 30" |
| Maintenance Agreement Required | No |
| **Repair System** | **LP PPBPS** |
| Total Linear Feet | 225 |
| Repair Loading Rate | 0.3 |

### Table: Summary of Primary and Repair Nitrification Line Specifications

| Line No. | Use | Line Color | System Type | Line Length (Ft.) |
|---|---|---|---|---|
| 1 | Repair | Pink | LP PPBPS | 50 |
| 2 | Repair | Orange | LP PPBPS | 85 |
| 3 | Repair | Blue | LP PPBPS | 90 |
| 4 | System | Red | 25% Reduction | 85 endfed |
| 5 | System | Pink | 25% Reduction | 95 endfed |
| 6 | System | Orange | 25% Reduction | 75 endfed |
| 7 | System | Blue | 25% Reduction | 45 endfed |
| | | | | Total System: 300' |
| | | | | Total Repair: 225' |

**Note: Keep necessary setbacks to foundation drains if used**
**Tank locations and distribution devices can be altered at ICHD's discretion**

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

Sheet 1 of 1
PROPERTY ID #:
COUNTY: Iredell

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

OWNER: Castlerock LLC
ADDRESS: 7271 Long Island Rd Catawba NC
PROPOSED FACILITY: SFR
PROPOSED DESIGN FLOW (.1949): 360
LOCATION OF SITE: Lot 27
APPLICATION DATE
DATE EVALUATED: 5/15/18
PROPERTY SIZE: 0.4 ac
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 10% | 0-38 | CnSBKC | FR SS/SP | R | 50+ | N/A | N/A | 0.3 |
| | | 38-50 | FnSBKCL | ↓ | R Yel; C Sap | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | ~6" | compaction | | | | |
| 2 | L 10% | 0-46 | MnSBKC | FR SS/SP | R | 48+ | N/A | N/A | C |
| | | 46-48 | MnSBKCL | ↓ | R | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | ~6" Compaction | | F Quartz | | | | |
| 3 | L 15% | 0-40 | MnSBKC | FR SS/SP | R | 50+ | N/A | N/A | 0.3 |
| | | 40-50 | MnSBKCL | ↓ | R Yel; C Sap | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 4 | L 10% | 0-42 | DkSBKC | FR SS/SP | R | 48+ | N/A | N/A | 0.3 |
| | | 42-48 | MnSBKCL | ↓ | R; F Sap | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| DESCRIPTION | INITIAL SYSTEM | REPAIR SYSTEM |
|---|---|---|
| Available Space (.1945) | PS | PS |
| System Type(s) | II-C | IV |
| Site LTAR | 0.3 | 0.3 |

OTHER FACTORS (.1946): PS
SITE CLASSIFICATION (.1948):
EVALUATED BY: cms
OTHER(S) PRESENT:
Kathleen Saunders

LICENSED SOIL SCIENTIST
KATHLEEN M. SAUNDERS
1513
STATE OF NORTH CAROLINA

COMMENTS: The LSS Evaluation is being submitted pursuant to & meets the requirements of SL 2018-114 §1.(c)

Updated February 2014

RECEIVED AUG 1 7 2018

# IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

*APPLICATION FORM*

#234689 Paid $350.00

**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) Contact Kathleen Saunders 7045754951

Applicant Name: Castlegate LLC Address: 282 Scotts Creek Dr. Statesville Zip: 28625
Applicant Email: _____ Phone: _____ Alt. Phone: _____
Owner Name: Same Address: _____ Zip: _____
Owner Email: _____ Phone: _____ Alt. Phone: _____

**Property Information:**

Street Address: 148 Greythorn Dr Statesville NC
Subdivision Name: Castlegate Section/Phase: _____ Lot Number: 27
Driving Directions: Rt. 64 Rt. 90 L Absner farm Loop left Staffordshire Rt on Greythorn property is on Rt.

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

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

**CHECK FOUNDATION TYPE**
(X) Crawl Space Foundation
( ) Concrete Slab Foundation
( ) Basement with Plumbing
( ) Basement without Plumbing

Non-Residential Site Development: Type of Business: _____
Square Footage of Building: _____ Max. Number of Employees: _____ Max. Number of Seats/Beds/Other: _____

**Water Supply:** ( ) Replacement Well – Reason: _____
( ) Multi-connection Well Number of Houses: _____ Number of Persons: _____

( ) New Well ( ) Existing Well ( ) Community Well (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:** Jmangrum 8-16-18
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

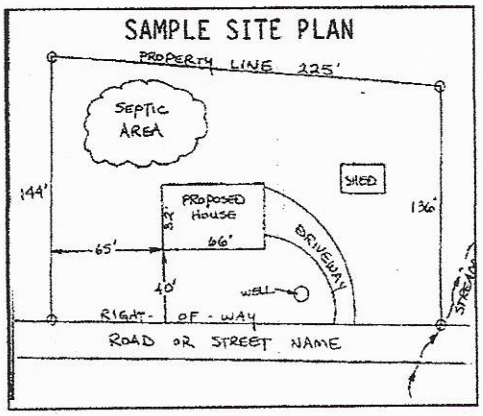
# IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

***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:**

- (✓) 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:** _____ 8-16-18

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

Notes:

1) This property may be subject to any Easements, Rights-of-way, and/or Restrictive Covenants.

2) Boundary information based on Map Book: 54 at Page: 98-100 as recorded in the Iredell County Register of Deeds.

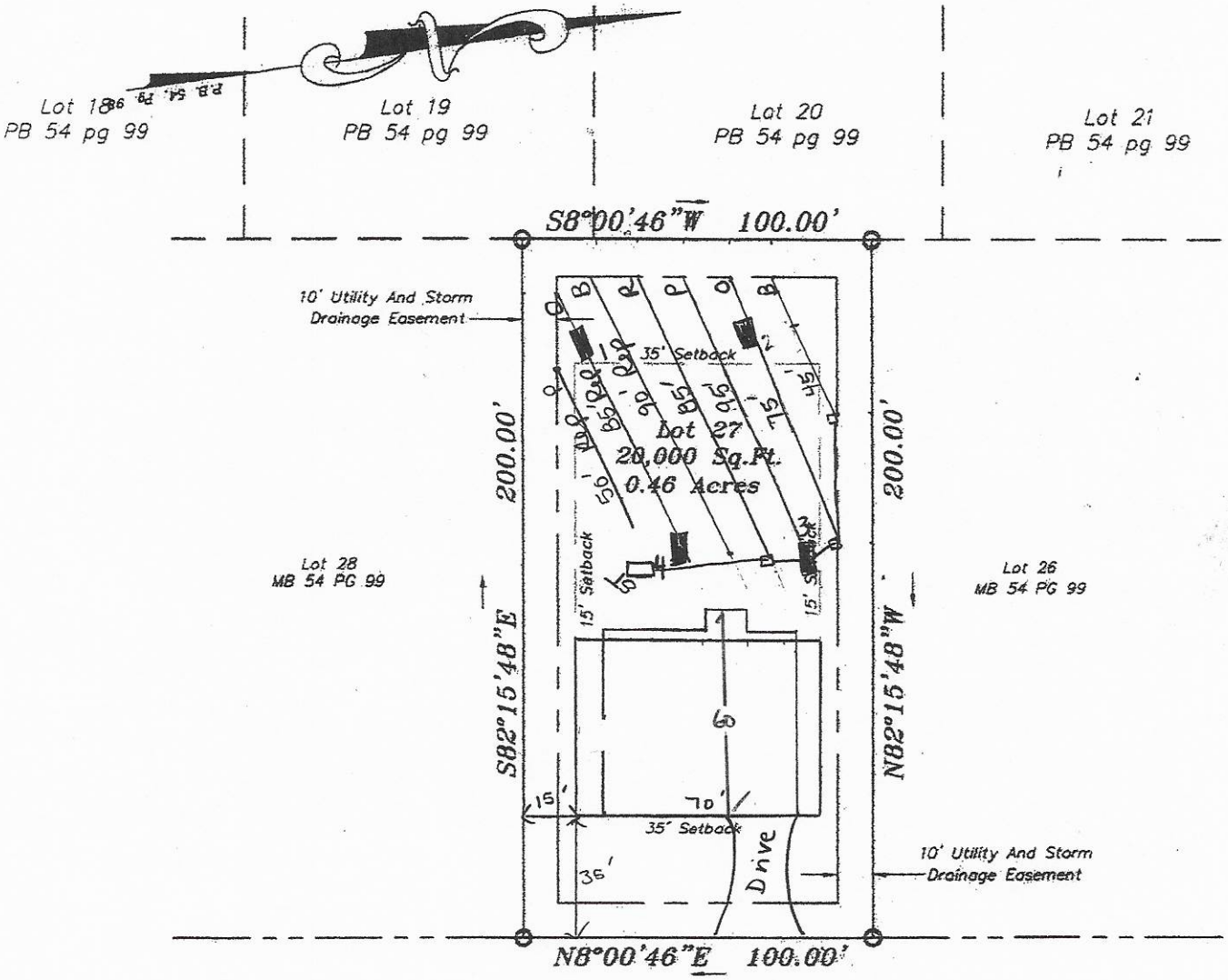
3) No N.C.G.S. or U.S.G.S. Monuments could be located within 2000'.

4) Area by coordinate method.

5) This survey is of an existing parcel of land.

**Legend**

R/W = Right-of-way
I.P.S. = #4 Rebar Set
B.O.C. = Back of Curb
= Not to scale
= Telephone Pedestal
= Utility Pole
= Cable Pedestal
= Calculated Point




GRAPHIC SCALE




( IN FEET )

# 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 148 Greythorn Drive, identified as PIN(Parcel Identification Number) 4715747883.000, located in Iredell County, North Carolina.

I do hereby authorize (print authorized agent/company name) The OAKS Group

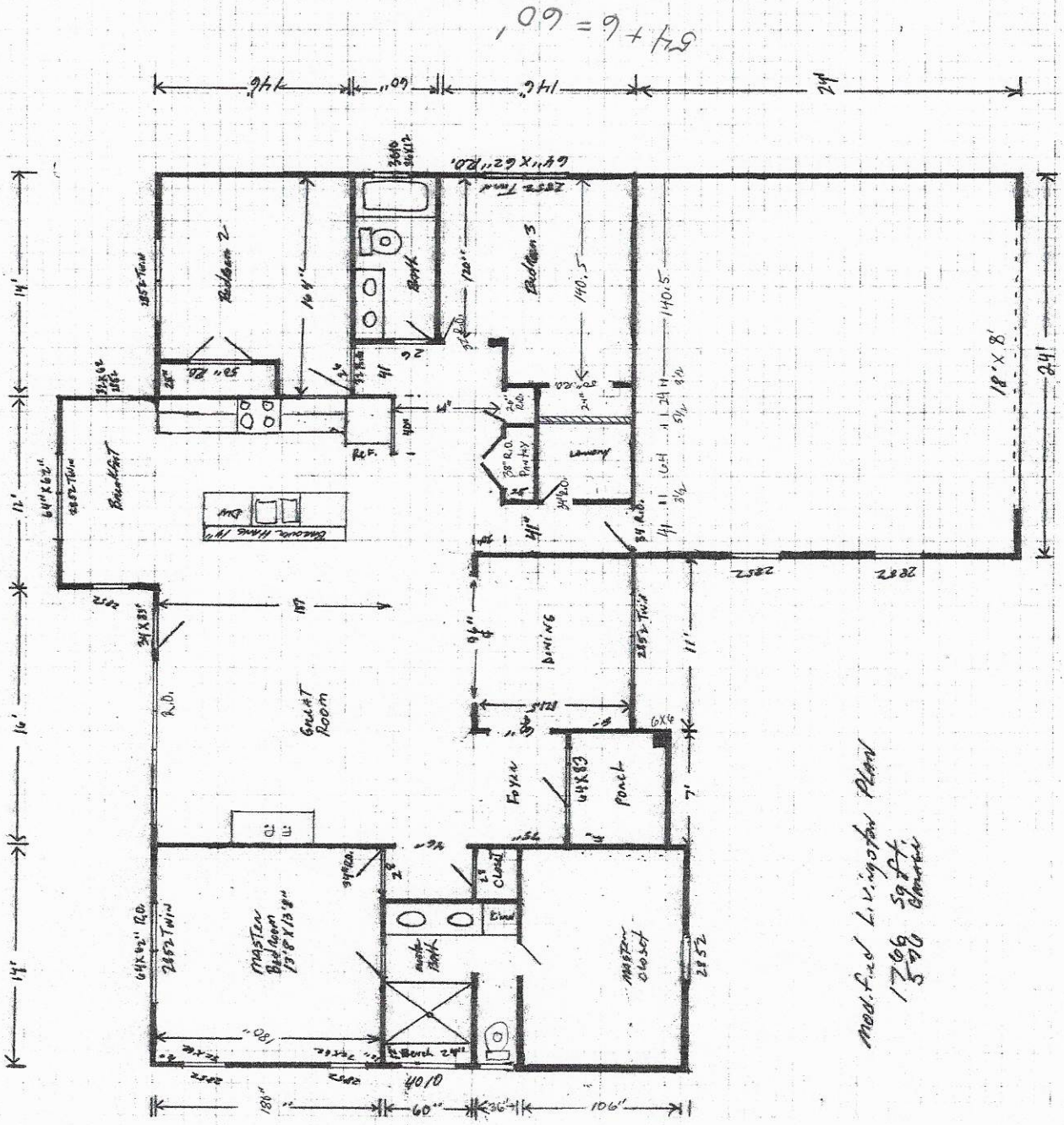
_____, _____, _____, to act as an agent on my behalf in applying for/signing/obtaining any of the documents described below.

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.

_____ 4-10-18
Signature of Owner Date

_____ _____
Signature of Witness Date




Acknowledgement Of
Plans Submittal ONLY!

Date 9/7/18

Kathleen Sanders Date 8-16-18

# IREDELL COUNTY

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

| APPLICATION NUMBER |
|---|
| 234689 |
| Issue Date: 04/09/2018 |

## ZONING PERMIT

Open Space

| Parcel Number | Street Address | Jurisdiction |
|---|---|---|
| 4715747883.000 | 148 GREYTHORN DRIVE, STATESVILLE, NC | IREDELL COUNTY |

| Owner Information | | Applicant Information | |
|---|---|---|---|
| Owner: | CASTLEGATE LLC | Applicant: | KATHLEEN SAUNDERS |
| Address: | 282 SCOTTS CREEK RD | Address: | 121 HOLT LANE |
| | STATESVILLE, NC 28625 | | MOORESVILLE, NC 28117 |
| Phone: | | Phone: | 704-578-4951 |

| Use Requested | Zone Code |
|---|---|
| SFD | RA |

| Lot Acreage | F Setback | B Setback | L Setback | R Setback | Watershed | Flood Zone |
|---|---|---|---|---|---|---|
| .460 | 35.00 | 35.00 | 15.00 | 15.00 | NOT | X |

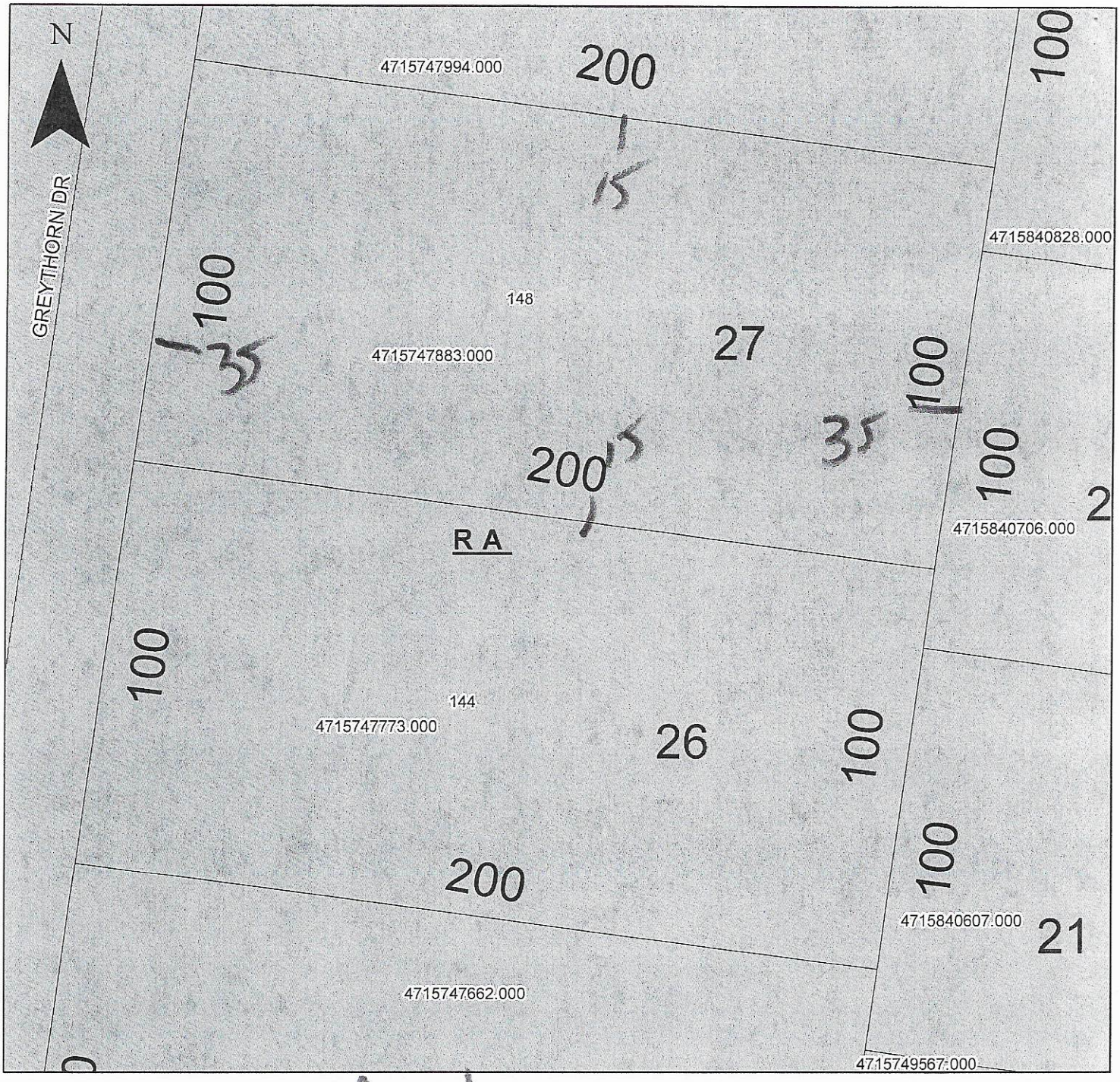
**Remarks:**

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 | 134793 | TOTAL FEES: | $ 77.25 |
|---|---|---|---|

# ZONING DISCLAIMER




Property Address 148 Greythorn

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.

J Marquem
Applicant

4-9-18
Date