# ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 (1) Mooresville Office (704) 660-3625 PERMIT # 306442.

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

PIN # 4715864366.000

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

SITE ADDRESS: 116 Staffordshire Drive Statesville NC 28625 PHONE: ALT. PHONE 704-578-4951 (CSS)

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

SUBDIVISION: Castlegate SECTION: - LOT # 4 LOT AREA: .68 Acres DESIGN FLOW: 360 L.T.A.R.: .30

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Septic Tank | 1000 (gal) | STB | 760. | Date | 8-11. | ☒ New System | ☐ Repair | ☐ Expansion | System Type: I II (III) IV V VI | ☒ Residence | No. Bedrooms 3 |
| Pump Tank | - (gal) | PT | - | Date | - | System Description: | Gravity - 25% Reduction | | | ☐ Business | No. Persons 6 |
| Pump Make | - | Model | - | Serial # | - | Repair System Description: | LP - PPBPS - 50% Reduction | | | ☐ Other | No. Employees |
| # Nitrification Fields | 1 | # Lines | 4 | Linear Ft: | 300 | Maintenance Agreement Required: | ☐ YES | ☒ NO | | ☐ Slab | ☒ Crawl Space |
| Trench Width | 36in | Trench Bottom Depth(Low side) | 30in | Gravel Depth | - | | ☒ GRAVITY | ☐ PRESSURE | | ☐ Basement w/ plumbing | ☐ Basement w/o plumbing |

Water Supply: ☐ Private ☒ Public ☐ Community

Comments / Conditions:

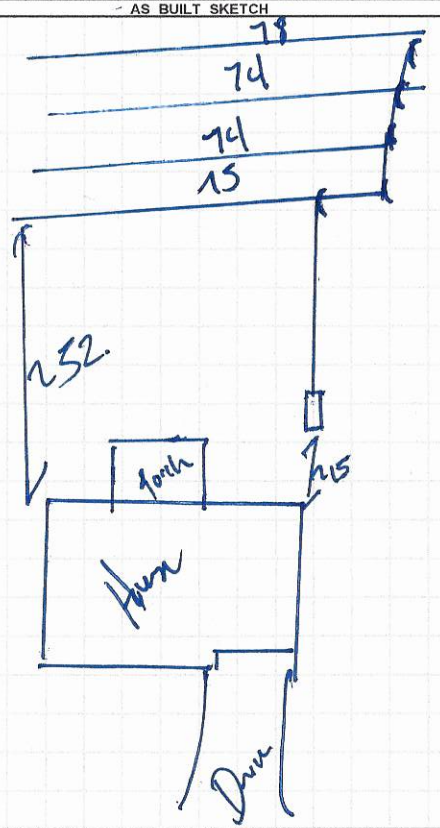
INITIAL SITE SKETCH

**This permit is issued pursuant to Section 11 . (C) of S.L. 2018-114 using the signed and sealed LSS Evaluation by:**

The Davis Group PA

**LSS #** 1313

AS BUILT SKETCH




*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

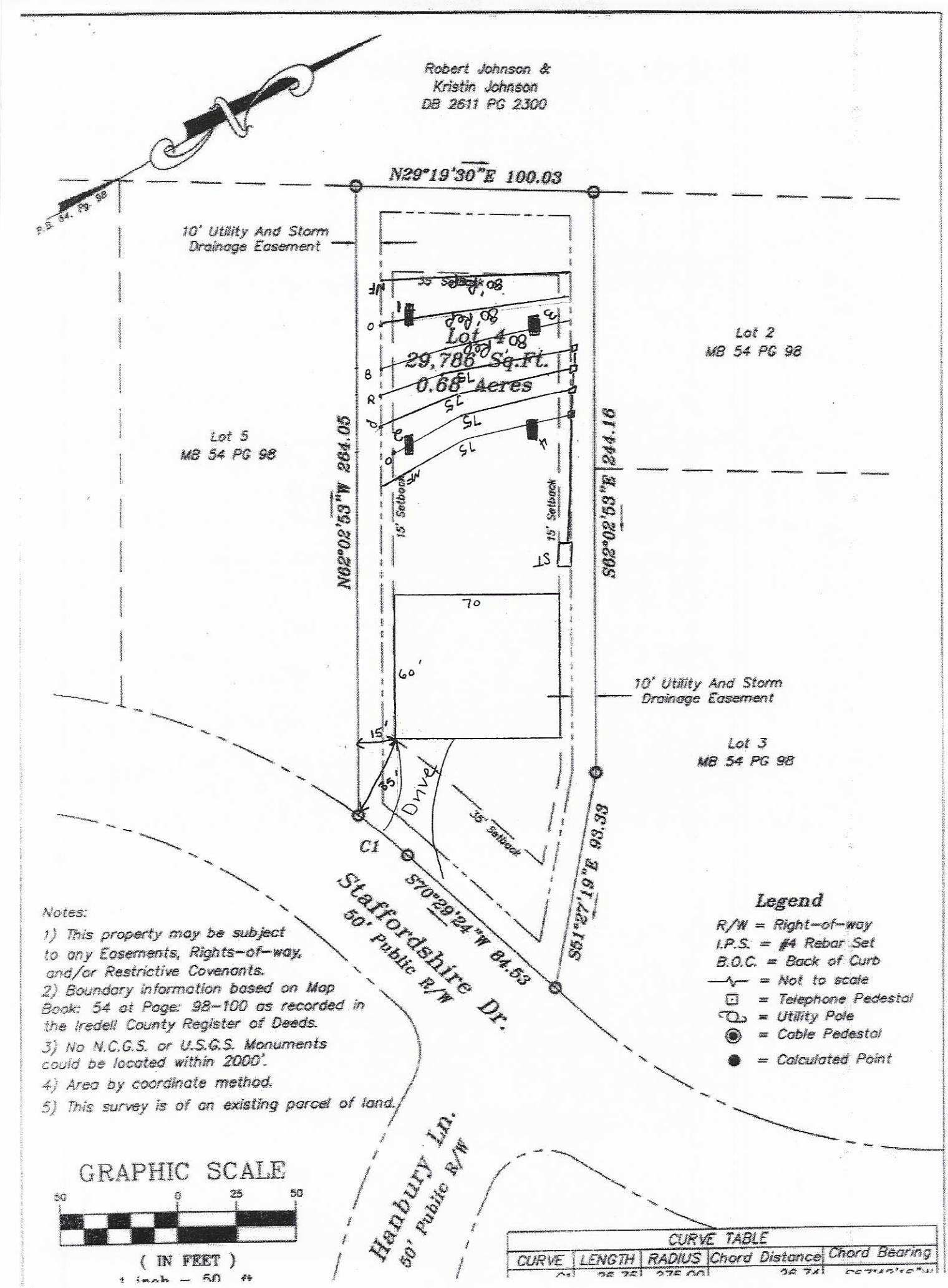
☐ **IMPROVEMENT PERMIT** *with plat valid without expiration.* ☒ **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* ☒ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: Acknowledgement of Acceptance Date: 4/7/2020 Installed by: Rawn Septic

IMPROVEMENT PERMIT by: Benjamin A Botts Date: 4/7/2020 OPERATION PERMIT by: Benjamin A Botts Date: 10/22/2020

AUTHORIZATION TO CONSTRUCT by: Benjamin A Botts Date: 4/7/2020 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.**




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

50 0 25 50

( IN FEET )

1 inch = 50 ft

| CURVE TABLE | | | | |
|---|---|---|---|---|
| CURVE | LENGTH | RADIUS | Chord Distance | Chord Bearing |
| C1 | 26.35 | 275.00 | 26.74 | S67°43'15"W |

THE OAKS GROUP, PA

To: Iredell County Environmental Health Department (ICHD)

From: Kathleen Saunders, LSS

RE: 116 Staffordshire

Date: March 23, 2020

Attached is the septic specification information required to permit 116 Staffordshire Dr 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 4 - 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 | 3 (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 | 240 |
| Repair Loading Rate | 0.3 |
| Repair trench depth | 30" |

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

| Line No. | Use | Line Color | System Type | Line Length (Ft.) |
|---|---|---|---|---|
| 1 | System | NF | 25% Reduction | 75 endfed |
| 2 | System | Orange | 25% Reduction | 75 endfed |
| 3 | System | Pink | 25% Reduction | 75 endfed |
| 4 | System | Red | 25% Reduction | 75 endfed |
| 5 | Repair | Blue | LP PPBPS | 80 |
| 6 | Repair | Orange | LP PPBPS | 80 |
| 7 | Repair | NF | LP PPBPS | 80 |
| | | | | Total System: 300' |
| | | | | Total Repair: 240' |

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

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: Iredell

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

OWNER: Castlegate LLC — APPLICATION DATE ___
ADDRESS: 7271 Long Island Rd Catawba NC — DATE EVALUATED: 3-25-2020
PROPOSED FACILITY: SFR — PROPOSED DESIGN FLOW (.1949): 360 — PROPERTY SIZE: 0.68 Ac
LOCATION OF SITE: Lot 4 — PROPERTY RECORDED: yes
WATER SUPPLY: ☐ Private ☒ Public ☐ Well ☐ Spring ☐ Other ___
EVALUATION METHOD: ☐ Auger Boring ☒ Pit ☐ Cut — TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

| PROFILE # | .1940 LANDSCAPE POSITION/ SLOPE % | HORIZON DEPTH (IN.) | SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE | SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY | OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR | .1943 SOIL DEPTH | .1956 SAPRO CLASS | .1944 RESTR HORIZ | PROFILE CLASS & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| 1 | L 5-10% | 0-27 | Mo SBK C | FR SS/SP | R | 48+ | N/A | N/A | 0.3 |
| | | 27-48 | WK SBK CL | ↓ | R; C sap | | | | |
| 2 | L 5-10% | 0-28 | Mo SBK C | FR SS/SP | R | 48+ | N/A | N/A | 0.3 |
| | | 28-48 | WK SBK CL | ↓ | R yel; C sap | | | | |
| 3 | L 5-10% | 0-33 | Mo SBK C | FR SS/SP | R | 48+ | N/A | N/A | 0.3 |
| | | 33-48 | WK SBK CL | ↓ | R; C/M sap | | | | |
| 4 | L 5-10% | 0-8 | Mo GR SL | FR NS/NP | Br | 48+ | N/A | N/A | 0.3 |
| | | 8-28 | Mo SBK C | FR SS/SP | R | | | | |
| | | 28-48 | WK SBK CL | ↓ | R; C sap | | | | |

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

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

LICENSED SOIL SCIENTIST — KATHLEEN M. SAUNDERS — THE GREAT SEAL OF THE STATE OF NORTH CAROLINA — 1313 — STATE OF NORTH CAROLINA

COMMENTS: ___

Updated February 2014

RECEIVED MAR 3 1 2020 Session Law

# IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

## APPLICATION FORM

AP-306442 Paid $500.00

**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
( ) Custom Site Plan, scaled no more than 1 inch = 60 feet

*Place an (X) beside whichever is submitted if applicable*

**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: 116 Staffordshire Dr Statesville
Subdivision Name: Castlegate Section/Phase: _____ Lot Number: 4
Driving Directions: Rt 64, Rt 90, Absher Farm Loop, Staffordshire

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

**CHECK FOUNDATION TYPE**

(X) Crawl Space Foundation
( ) Concrete Slab Foundation
( ) Basement with Plumbing
( ) Basement without Plumbing

**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 3-25-2020
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

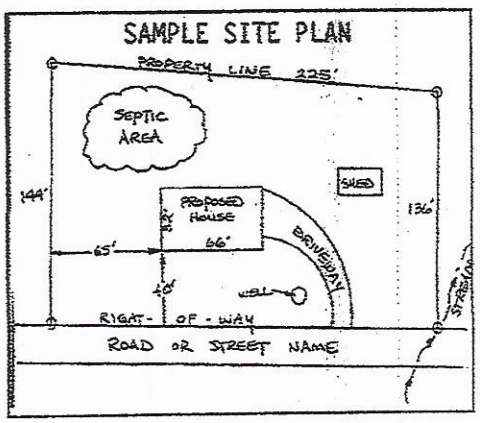
# IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

## *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***

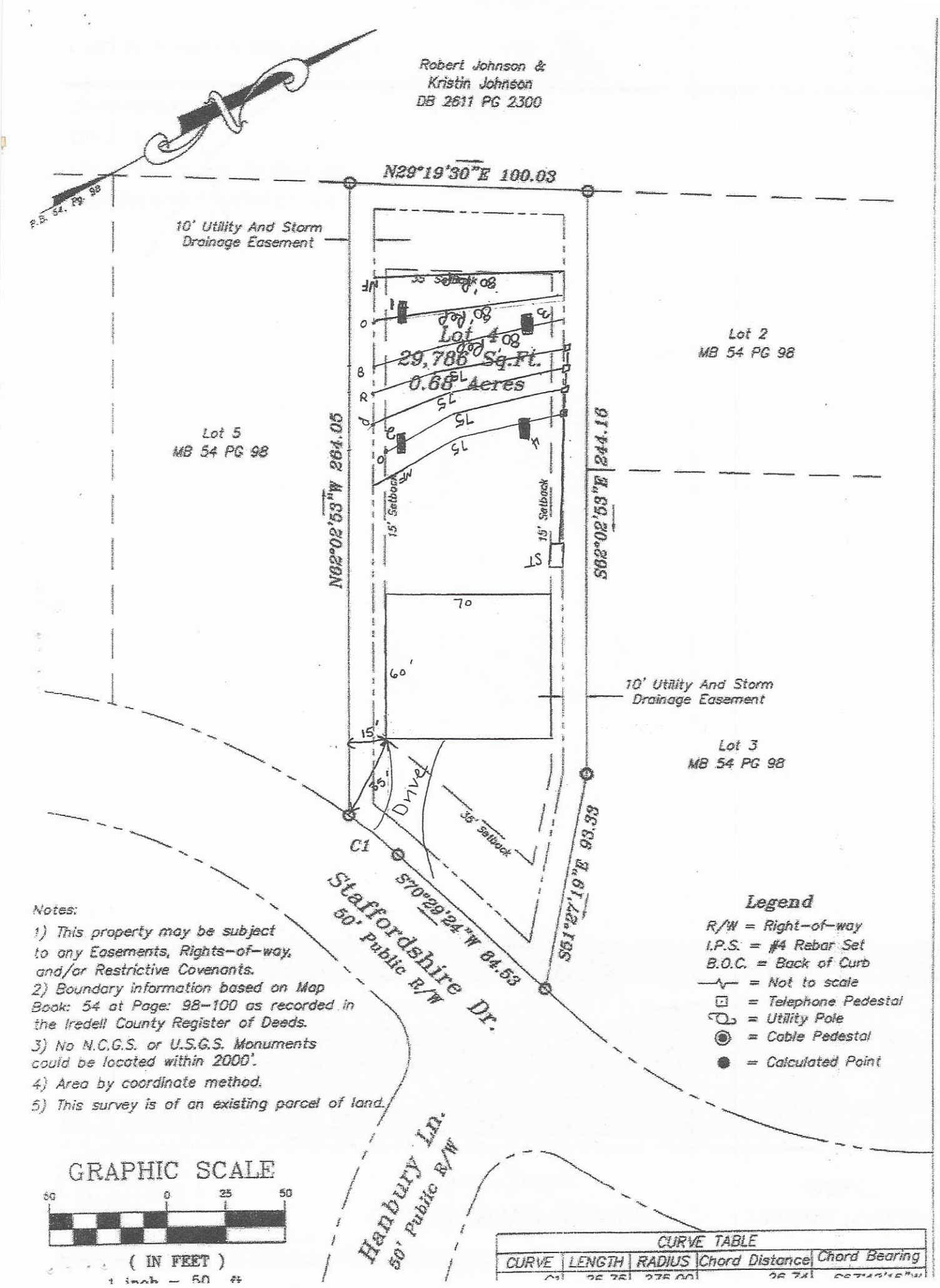
Please see Attached

**Signature:** Kathleen Saunders

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

3-25-2020

**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

50 0 25 50

( IN FEET )

1 inch = 50 ft

| CURVE TABLE | | | | |
|---|---|---|---|---|
| CURVE | LENGTH | RADIUS | Chord Distance | Chord Bearing |
| C1 | 26.76 | 275.00 | 26.74 | S67°43'15"W |

# 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 116 Staffordshire Dr Statesville 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.

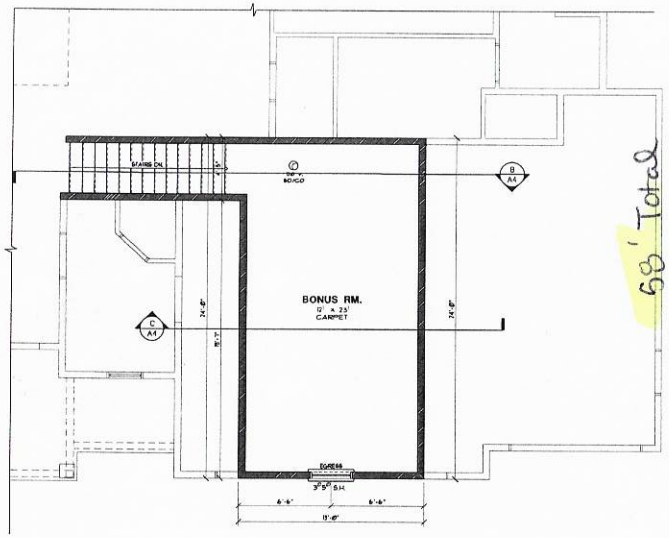
_____ 3-25-2020
Signature of Owner Date

_____ _____
Signature of Witness Date

Acknowledgement Of
Plans Submittal ONLY!
Benjamin Barss Date 4-7-2020.
Kathleen Saunders Date 3-25-2020

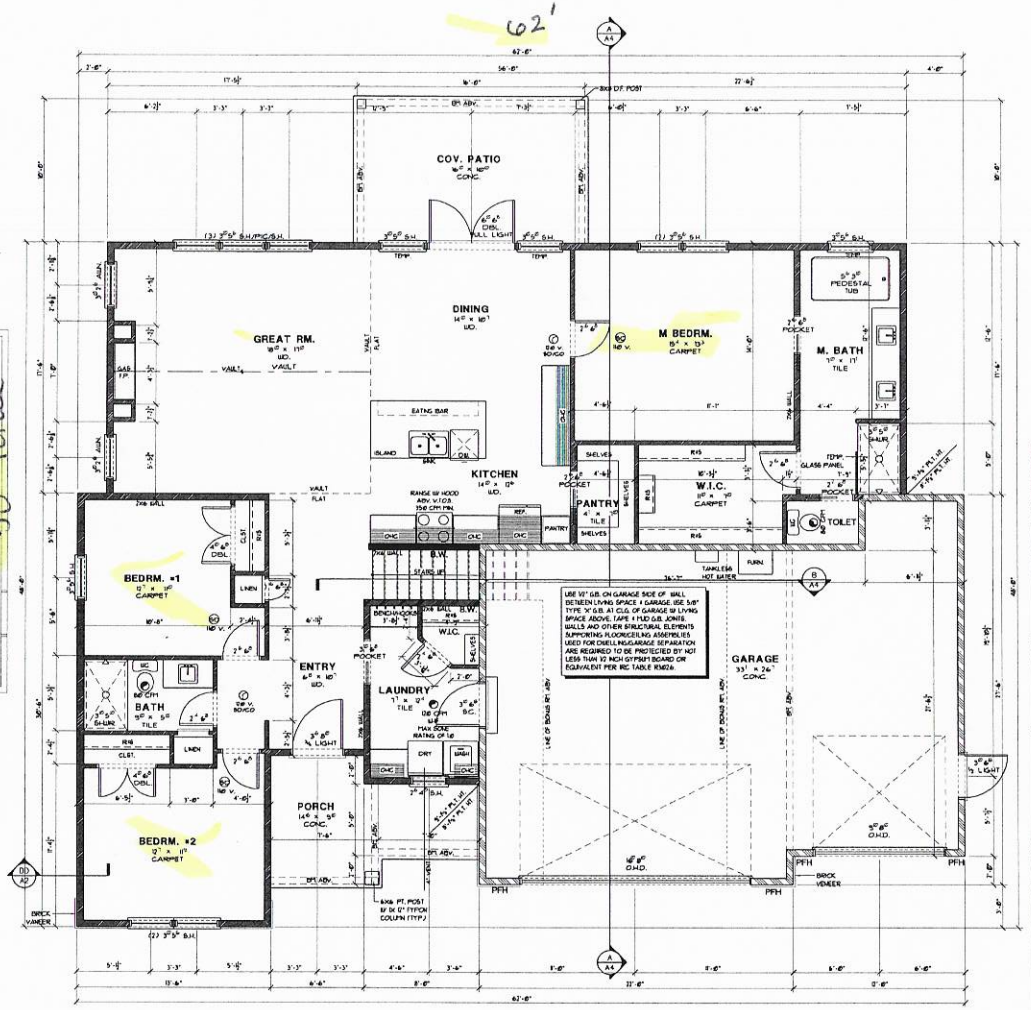
602'

69' Total




## SECOND FLOOR PLAN

SCALE 1/4" = 1'-0"




## MAIN FLOOR PLAN

SCALE 1/4" = 1'-0"

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.

WHOLE HOUSE VENTILATION SYSTEMS SHOULD COMPLY WITH PRMC13.
- FAN HOME, WHOLE HOUSE FANS LOCATED 4' OR LESS FROM INTERIOR GRILL SHALL HAVE A SONE RATING OF 1.0 IN WATER GUAGE
- OUT DOOR AIR SHALL BE DISTRIBUTED TO EACH HABITABLE SPACE BY: INDIVIDUAL OUTDOOR AIR INLETS
- DOORS SHALL BE UNDERCUT TO A MIN. OF ¾" 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

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

FURNACE & HOT WATER TANK NOTE:
- FURNACE & HOT WATER APPLIANCES SHALL BE DIRECT VENT.
- ALL COMBUSTION AIR TO COME DIRECTLY FROM EXTERIOR.
- 36" 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. INS. 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.

USE ½" G.B. ON GARAGE SIDE OF WALL BETWEEN LIVING SPACE & GARAGE. USE 5/8" TYPE 'X' G.B. AT CLG. OF GARAGE W/ LIVING SPACE ABOVE. TAPE & MUD G.B. JOINTS. WALLS AND OTHER STRUCTURAL ELEMENTS SUPPORTING FLOOR/CEILING ASSEMBLIES USED FOR DWELLING/GARAGE SEPARATION ARE REQUIRED TO BE PROTECTED BY NOT LESS THAN 1/2 INCH GYPSUM BOARD OR EQUIVALENT PER REC TABLE R302.6

ABBREVIATION KEY
G.B. - GYPBOARD
SHR. - SHEETROCK
BLW. - BELOW
SF. - SQUARE FEET
RWL. - RAIN WATER LEADER
EW. - EACH WAY
℄ - CENTER LINE
FIN. FL. - FINISHED FLOOR LEVEL
AFL. - ABOVE FLOOR LEVEL
BOT. - BOTTOM OF
TOP. - TOP OF
B.P. - BEARING POINT
BW. - BEARING WALL
PT. - PRESSURE TREATED
DF. - DOUGLAS FIR
INT. - INTERIOR
EXT. - EXTERIOR
BM. - BEAM
ABV. - ABOVE
EXP. - EXPOSE
HOSE BIBB
GAS STUB
DOWN SPOUT

AIR LEAKAGE CONTROL & EFFICIENT VENTILATION NOTE 2A
- COMPLIANCE BASED ON R402.4.1: 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 WATTS/CFM) NOT INTERLOCKED WITH THE FURNACE FAN. VENTILATION SYSTEM 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 OR 3B
- 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 3
- ALL SHOWERHEAD & KITCHEN SINK FAUCETS INSTALLED IN THE HOUSE SHALL BE RATED AT 1.75 GPM OR LESS. ALL OTHER LAVATORY FAUCETS SHALL BE RATED AT 1.8 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 3C 1B
- WATER HEATING SYSTEM SHALL INCLUDE ONE OF THE FOLLOWING: GAS, PROPANE, OR OIL WATER HEATER WITH A MINIMUM EF OF 0.59 OR SOLAR WATER HEATING SUPPLEMENTED A MINIMUM STANDARD WATER HEATER. SOLAR WATER HEATING WILL PROVIDE A RATED MINIMUM SAVINGS OF 85 THERMS OF 30000 K BTU BASED ON THE SOLAR RATING AND CERTIFICATION CORPORATION (SRCC) ANNUAL PERFORMANCE OF OG-300 CERTIFIED SOLAR WATER HEATING SYSTEMS, OR ELECTRIC HEAT PUMP WATER HEATER WITH A MINIMUM EF OF 1.40 AND MEETING THE STANDARDS OF NEEA'S NORTHERN CLIMATE SPECIFICATION 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 BOTH 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. |

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 LWR
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 |
|---|
| 306442<br>Issue Date: |

**Permit Type: ZONING**

| Parcel Number | Street Address | Jurisdiction |
|---|---|---|
| 4715864366.000 | 116 STAFFORDSHIRE DR | Iredell County |

| Owner Information | Applicant Information |
|---|---|
| Name: ST1 LLC | Name: THE OAKS GROUP |
| Address: PO BOX 3792 | Address: 121 HOLT LN |
| MOORESVILLE, NC 28117 | 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 |
|---|---|---|---|---|---|---|
| 0.68 | 35 | 35 | 15 | 15 | N/A | NO |

| Remarks |
|---|
| SFD need disclaimer |

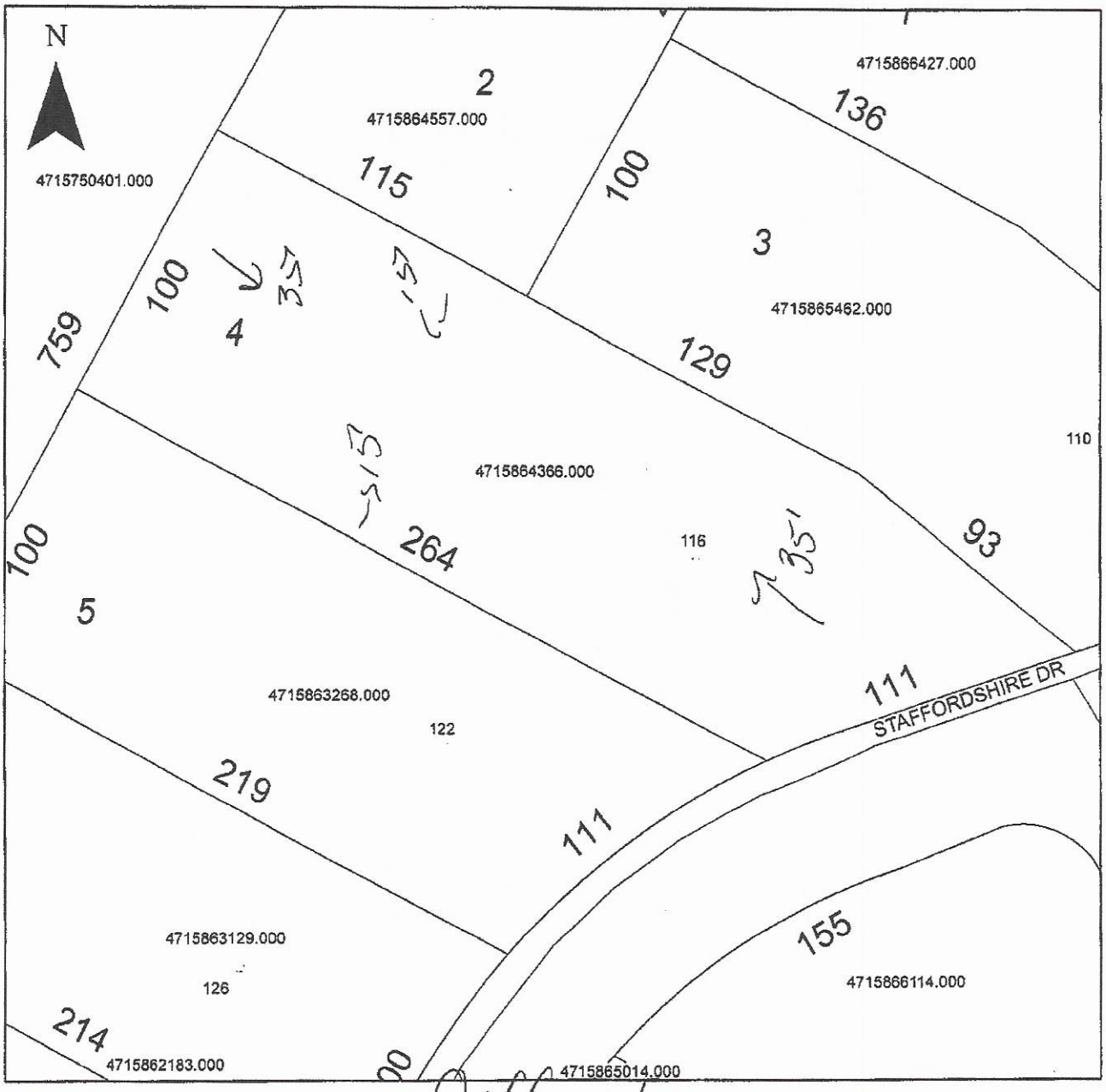
The applicant certifies that there are no deed restrictions, contractual agreements or governmental regulations of any kind that interfere with or prohibit the use of the property or the use for which this permit is requested. The applicant further acknowledges that enforcement of deed restrictions, plat conditions and other contractual agreements will not be undertaken by Iredell County and is the sole responsibility of the affected parties.

Kathleen Saunders
Signature of Owner/Contractor

**Date:** 03/31/2020

| Permit Number | 306442 | TOTAL FEES: | $77.25 |
|---|---|---|---|

# ZONING DISCLAIMER




Property Address 1110 Staffordshire

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.

Kathleen Saunders
Applicant

4/1/2020
Date