# ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 · Mooresville Office (704) 660-3625 PERMIT # AP 320929

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

PIN # 4712 --44 --0742

APPLICANT/OWNER: Kimberly & Jeffrey Pace APPLICANT ADDRESS: 375 Red Rock CT NW Unit B Concord, NC 28027

SITE ADDRESS: 172 Atwell Drive, Statesville NC 28677 PHONE: 704-619-2011 ALT. PHONE -

SITE DIRECTIONS: Eutola Rd to Atwell Drive SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Eutola Farms SECTION: - LOT # 11 LOT AREA: 1.413 Ac DESIGN FLOW: 360 L.T.A.R.: .25

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Septic Tank | 1000 | (gal) | STB 760 | Date | | ☒ 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: | Gravity - 25% Reduction | | | ☐ Other | No. Employees |
| # Nitrification Fields | 1 | # Lines | 5 | Linear Ft: 360 | | Maintenance Agreement Required: | ☐ YES | ☒ NO | | ☒ Slab | ☐ Crawl Space |
| Trench Width | 36 | Trench Bottom Depth(Low side) | 22 in | Gravel Depth | - | | ☒ GRAVITY | ☐ PRESSURE | | ☐ Basement w/ plumbing | ☐ Basement w/o plumbing |

Water Supply: ☐ Private ☒ Public - ☐ Community

Comments / Conditions:

Tank - Dates were not available
Time set for 28 days

INITIAL SITE SKETCH

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

Soil & Forestry Services of the Carolinas PA

LSS # 1231 Dated August 13th 2021

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.**

*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: Kim Pace Date: 9/22/21 Installed by: Stevens Septic

IMPROVEMENT PERMIT by: Benjamin A Bay Date: 9-7-2021 OPERATION PERMIT by: Matt Winn Date: 4/5/23

AUTHORIZATION TO CONSTRUCT by: Benjamin Bay Date: 9-16-21 Existing System Inspected by: Date:

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

| Item | Date | Initials |
|---|---|---|
| Drain Lines Checked | | |
| Tanks Checked | | |
| Pressure Manifold or Valve Box Checked | | |
| Pressure Head Set | | |
| Electrical Checked | | |
| Floats Set | | |
| Alarm Checked | | |
| Maintenance Contract Needed? Y / N | | |
| Comments: | | |
| | | |
| | | |

| Repairs Only | |
|---|---|
| | State Code |
| Failing System Code | |
| Type of Distribution | G or P |
| Type of Failure/Malfunction | |
| Primary Cause of Failure/Malfunction | |
| | |
| Age of System? _____ | |
| Initial or Repair? _____ | |

SOIL & FORESTRY SERVICES
OF THE CAROLINAS, PA

www.soilandforestryservices.com

Project#: 21-0002
August 13th, 2021

**KIM PACE**
Attn: *Kim Pace*
Email: kim.crews.pace@gmail.com

**RE: Soil & Site Evaluation for a 3 Bedroom Residence on Lot 11 Eufola Farms, 1.413 ac Parcel, PIN# 4712440724, 172 Atwell Drive, Statesville, NC 28677.**

Kim:

At your request Soil & Forestry Services of the Carolinas (S&FS) has performed soil/site evaluations on parcel noted above. The Lot size is noted on the attached survey map & soil evaluation form. The purpose of our work was to identify soil areas with potential to support subsurface wastewater disposal systems and provide design details for Session Law submittal to Iredell County Health Department.

Site Conditions

At the time of our evaluation land cover on the property was mixed pine/hardwood on the property. Topography within the evaluated area was gentle to moderate slope near the house site and proposed drainfield area. There is a creek/floodplain located on the back side of the property that was avoided with our evaluation. Property lines and corners were marked at the time of the evaluation by Jordan Grant & Associates. They also located the creek and our septic layout and provided an Autocad File of a survey as a basemap. The proposed septic layout was located via survey and used to produce the attached *Site Plan*.

Methodology

We evaluated soil areas through the use of hand augers. Soil morphological conditions including color, texture, structure, etc. were reviewed in the field with nine hand augers on the property flagged and located on the site plan. Five of the nine auger borings are located in the proposed septic layout. Soil suitability was determined by referencing 15A NCAC 18A.1900 "Laws and Rules for Sewage Treatment and Disposal Systems". *Soil & Site Evaluation Forms* were utilized to record the soil morphological data for each boring. An on-ground layout of system and repair was performed using a laser level. Pin flag locations of the layout were also located by survey. Detailed system & repair information is summarized in the following paragraph for this Lot.

172 Atwell Drive(*See Attached Design*)
The septic layout for this lot (9' centers) yielded a total of 805 linear feet of line. The primary system is proposed as 360 linear feet of Accepted (25% Reduction) drainfield with gravity distribution. Trench depth is specified at 22 inches on the low side. The repair system is proposed as 360 linear feet of Accepted (25% Reduction) drainfield with gravity distribution. Trench depth is specified at 22 inches on the low side. There is 442 linear feet available for repair.

Session Law Requirements

An LSS Evaluation may be submitted in conjunction with a complete application to the LHD. The application shall include all information described in 15A NCAC 18A .1937(d) and be accompanied by a signed and dated statement from the applicant (owner or owner's legal representative) that reads as follows:

*"The LSS Evaluation attached to this application is to be used to produce design and construction features for permitting in accordance with SL 2018-114 Section 11.(c).".*

Owner Date

Print Name Kim Pace
Signature Kim Pace 8/27/2021

The LSS Evaluation shall include a statement bearing the LSS seal and signature that reads as follows:

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

Disclaimer
This report reflects the findings of S&FS, PA. *This LSS Evaluation is being submitted pursuant to and meets the requirements of SL 2018-114 Section 11.(c).* Any site modifications that impact the proposed septic areas on 172 Atwell Drive, Statesville, NC 28677 (PIN 4712440742) may nullify this design. System design requirements and site requirements shall be adhered to for installation and Operations Permits to be issued by the local Health Department. If you have questions regarding these requirements a Pre-Construction meeting should be scheduled to discuss. Please contact S&FS if you have any questions regarding this report or the attached information. S&FS also offers septic system inspection, wetland delineation and forestry services.

Sincerely,

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

S. Ashley Rollans, LSS
Attachment: *Septic Design*

SOIL & FORESTRY SERVICES
OF THE CAROLINAS, PA

www.soilandforestryservices.com

**Attached is a proposed design for an Accepted Septic System with gravity dist. for a 3 bedroom single family residence at 172 Atwell Dr., Eufola Farms PIN#(4712440742) Statesville 28677, Iredell County, NC.**

**Contents:** **Page**


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

Design Information
- Design Specifications---------- 2-3
- Layout Specifications---------- 4

Site Plan/System Plan---------- 5

Calculations---------- 6

Profile Descriptions---------- 7-8

Septic Application---------- 9-10

Agent Authorization---------- 11

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

Plat---------- 13


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

**August 12, 2021**
**Project #: 21-0002**
**Design By: Soil & Forestry Services of the Carolinas, PA**

# INFORMATION FOR THE INSTALLER:

The permit should be read very carefully prior to bidding. The following are details that must be considered along with all other considerations.

- Tanks shall be approved by NC DHHS, and certification supplied by the manufacturer.
- Tanks shall be water tested prior to installation.
- The installer shall be responsible to the owner for placement of the tanks and to insure that final grades are returned to the original natural grade, with exception of added structural features.
- The supply trench shall be compacted to eliminate cavities left during initial fill placement.
- Installation of the system shall be during dry conditions in order to protect the soil structure.
- All fittings shall be pressure rated fittings.
- All joints shall be cleaned with PVC pipe cleaner and a heavy bodied glue applied to weld all joints.
- Where required by the county health department, post installation inspections by the designer must be scheduled 5 week days in advance.
- Trenches shall be carefully excavated so the bottom is within 2" from the highest to . the lowest points of elevation within the trench. If the bottom elevation needs adjusting after it has been trenched, it will be done by removing high points rather than filling low points. It is extremely important to insure that trenches are not over excavated during initial trenching. All fine grading within the trench will be hand done with a shovel. No loose material will be left in the trench
- All pipe openings in the tanks shall be properly grouted. This also applies to the joints around the riser.
- All tanks shall be properly back filled and compacted to prevent slump at a later date.
- Earth dams, constructed of relatively impervious material, shall be installed at the beginning and end of each lateral.
- No heavy equipment shall be used on the field during or after installation. The use of a small loader (i.e. Bobcat) or a trencher (i.e. Ditch Witch 2300/2310) may be used for installation.
- Elevations at pinflag locations should be checked by the installer prior to beginning trenches.
- Septic tank riser shall be a minimum of 6" above finished grade.
- System is specified as a gravity 25% reduction (Accepted) installation.
- Repair is specified as a gravity 25% reduction (Accepted) installation.

# GRAVITY ACCEPTED SYSTEM
# FOR WASTEWATER TREATMENT

| | |
|---|---|
| **Owner/Applicant:** | Kimberly & Jeffrey Pace |
| **Address:** | 375 Redrock Ct NW Unit B<br>Concord, NC 28027 |
| **Phone:** | 704.619.2011 |
| **County:** | Iredell |
| **Location:** | 172 Atwell Drive<br>Statesville NC 28677 |
| **Source of Wastewater Flow:** | 3 Bedroom Single Family Residence |
| **Estimated Gallons Per Day Flow:** | 360 |
| **System Flow:** | N/A |

## Design Specifications

| | | |
|---|---|---|
| **Drainfield Size:** | 360 | |
| **Loading Rate (gpd/ft.$^2$):** | 0.25 | |
| **Depth of Gravel in Trench:** | N/A | |
| **Gravel Size:** | N/A | |
| **Max.Trench Depth (LOW SIDE):** | 22 in. | Repair Trench Bottom 22 in. |
| **Trench Width:** | 36 in. | |
| **Septic Tank Size:** | 1000 | |
| **Estimated Supply Line Length:** | 17 | |
| **Supply Line Diameter:** | 4 in. SCH 40 PVC | |
| **Supply Line Volume:** | 11.10 | |
| **Dosing Volume:** | N/A | |
| **Supply Manifold:** | N/A | |
| **Supply Manifold Length:** | N/A | |
| **Supply Manifold Volume:** | N/A | |
| **Recommended Float Controls:** | N/A | |
| **Recommended Control Panel:** | N/A | |
| **Pressure Head:** | N/A | |
| **Friction Head:** | N/A | |
| **Elevation Head:** | N/A | |
| **Total Dynamic Head:** | N/A | |
| **Threaded Union:** | N/A | |
| **Gate Valves:** | N/A | |
| **Check Valves:** | N/A | |
| **Anti-Siphon Hole:** | N/A | |
| **Additional Comments:** | Soil suitability was performed by Soil & Forestry Services of the Carolinas, PA | |

## 172 Atwell Drive

### ACCEPTED SYSTEM

| | |
|---|---|
| **DESIGN FLOW (gpd):** | 360 |
| **SOIL APPLICATION RATE (gpd/ft.$^2$):** | 0.25 |
| **TOTAL AREA TRENCH BOTTOM:** | 1080 |
| **TOTAL LATERAL LENGTH:** | 360 |
| **NUMBER OF FIELDS:** | 1 |
| **LATERAL LENGTH REQUIRED PER FIELD:** | 360 |
| **SUPPLY LINE LENGTH:** | 17 |
| **TOTAL DYNAMIC HEAD:** | N/A |
| **MANIFOLD SIZE:** | N/A |
| **DOSING VOLUME:** | N/A |
| **PUMP TANK DRAW DOWN*:** | N/A |
| **SEPTIC TANK SIZE:** | 1000 |

## Layout Specifications - 172 Atwell Drive

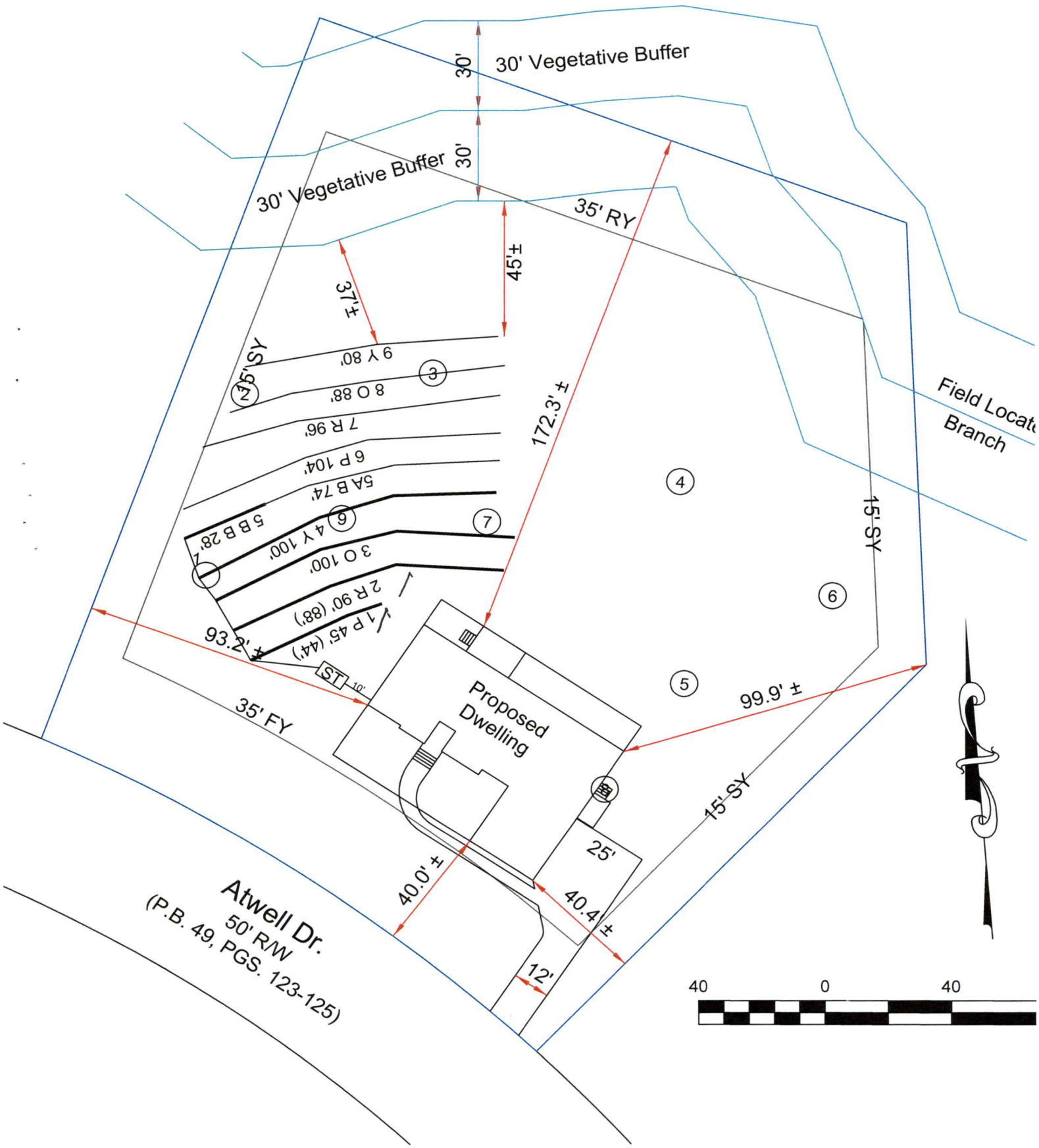
Project #: 21-0002

LAYOUT FOR 3 BEDROOM HOME — August 12, 2021

| LINE # | FLAG COLOR | BS | HI | FS | ELEVATION | FLAGGED LINE LENGTH | DESIGN LINE LENGTH |
|---|---|---|---|---|---|---|---|
| TBM | | | | | | | |
| INSTR. 1 | | | | | | | |
| *1* | ***PINK*** | | | | | ***45*** | ***44*** |
| *2* | ***RED*** | | | | | ***90*** | ***88*** |
| *3* | ***ORANGE*** | | | | | ***100*** | ***100*** |
| *4* | ***YELLOW*** | | | | | ***100*** | ***100*** |
| *5A* | ***BLUE*** | | | | | ***28*** | ***28*** |
| 5B | BLUE | | | | | 74 | 74 |
| 6 | PINK | | | | | 104 | 104 |
| 7 | RED | | | | | 96 | 96 |
| 8 | ORANGE | | | | | 88 | 88 |
| 9 | YELLOW | | | | | 80 | 80 |
| | | | | | **Total** | 805 | 802 |

| | LINE LENGTH | LTAR GPD/FT2 | SYSTEM TYPE | SOIL LTAR GPD/FT2 | TRENCH SYSTEM | DISTRIBUTION |
|---|---|---|---|---|---|---|
| ****System*** | ***360*** | ***0.250*** | ***ACCEPT.*** | ***0.250*** | ***25% RED*** | ***GRAVITY*** |
| Repair | 442 | 0.250 | ACCEPT. | 0.250 | 25% RED | GRAVITY |

Notes:
**All measures in feet
**Nitrification lines are demonstrated on contour via colored pin flags
**Nitrification lines were located by tape measures & GPS.
**Property lines, corners & house were located by a Professional Land Surveyor.


30' Vegetative Buffer
30'
30' Vegetative Buffer
30'
35' RY
45'±
37'±
35' SY
9 Y 80'
8 O 88'
7 R 96'
6 P 104'
5A B 74'
5 B B 28'
4 Y 100'
3 O 100'
2 R 90' (88')
1 P 45' (44')
172.3' ±
15' SY
93.2' ±
ST
10'
35' FY
Proposed Dwelling
99.9' ±
15' SY
25'
40.0' ±
40.4' ±
12'
Atwell Dr.
50' R/W
(P.B. 49, PGS. 123-125)
Field Locate
Branch
40
0
40

## CALCULATIONS

| | | |
|---|---|---|
| Location | 172 Atwell Drive<br>Statesville, NC 28677 | |
| Project Number | 21-0002 | |
| Lot No: | 11 | |
| No. of Bedrooms | 3 | |
| Design Flow | 360 | $^{gal}/_{day}$ |
| LTAR | 0.250 | $^{gal}/_{ft^2\ day}$ |
| PPBPS? (YES OR NO) | NO | |
| Supply Line Length | 17 | ft. |
| Supply Line Volume | 11.101 | gal. |
| Required Feet of Line | 360 | ft. |
| Amount of Line from Layout | 360 | ft. |
| Gallons per Minute | N/A | $^{gal}/_{min}$ |
| Required Septic Tank Capacity | 1000 | gal. |
| Septic Tank Size | 1000 | gal. |
| Panel Volume | N/A | gal. |
| # of Panels | N/A | |
| Dosing Volume | N/A | gal. |
| Tank Draw Down | N/A | |
| Pump Run Time | | |
| Elevation Head | N/A | ft. |
| Pressure Head | N/A | ft. |
| Friction Factor | N/A | ft./100 ft. *(From the interpolater.)* |
| Friction Head | N/A | ft. |
| Total Dynamic Head (+15%) | N/A | ft. |

FRICTION FACTOR INTERPOLATER
2" SCH 40 PVC

| GPM | *f* |
|---|---|
| 20 | 0.84 |
| | -0.88 |
| 25 | 1.27 |
| | -1.28 |
| 30 | 1.78 |
| | -1.76 |
| 35 | 2.37 |
| | -2.25 |
| 40 | 3.03 |
| 43.07 | 3.48 |
| 45 | 3.77 |
| 48.14 | 4.28 |
| 50 | 4.58 |
| 57.11 | 5.89 |
| 60 | 6.42 |

RECEIVED AUG 2 7 2021

# IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

***APPLICATION FORM*** Paid $500.00 AP-320929

**Application For:** ( ) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
(✓) 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* (X) Custom Site Plan, scaled no more than 1 inch = 60 feet

**Applicant Information:** (PRINT CLEARLY)

**Applicant Name:** Kimberly & Jeffrey Pace **Address:** 375 Redrock CT NW Unit B, Concord, NC **Zip:** 28027
**Applicant Email:** Kimacrews.pace@gmail.com **Phone:** 704-619-2011 **Alt. Phone:**
**Owner Name:** Same **Address:** Same **Zip:** Same
**Owner Email:** Same **Phone:** Same **Alt. Phone:**

**Property Information:**

**Street Address:** 172 Atwell Dr., Statesville NC 28677
**Subdivision Name:** Eufola Farms **Section/Phase:** SHT2 **Lot Number:** 11
**Driving Directions:** Eufola Rd, Atwell Drive

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

**CHECK FOUNDATION TYPE**

(✓) New Single Family Residence — Maximum Number of Bedrooms: 3 — ( ) 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 ( ) City Water (✓) Other Public Water

**Desired Septic System Type:** *(you may rank in order of preference)* Year existing system installed:
( ) No Preference ( ) Alternative ( ) Conventional ( ) Innovative ( ) Modified Conventional (✓) Other: Accepted

**Please answer the following to the best of your ability:**
( ) Yes (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:** _____ 8/13/21
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

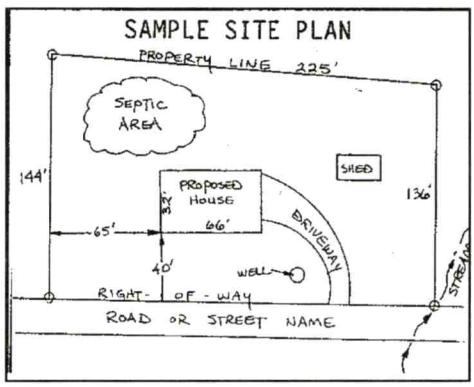
# IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

***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:** _____ 8/13/21

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

## DOCUMENTATION TO AUTHORIZE AN OWNER'S LEGAL REPRESENTATIVE

Applications for permits require the "signature of the owner or owner's legal representative" (15A NCAC 18A .1937). If the owner does not sign the application himself or herself, they can submit any one of the following documents to designate their legal representative:

*Power of Attorney; Real Estate Contract; Estate executor; Bankruptcy trustee; Court ordered guardianship*

In the absence of the above documentation, the property owner may provide the local health department with documentation that designates a legal representative. A property owner may:

Complete this form to document his or her legal representative, or provide his or her own form that contains the information in this form.

If there are multiple property owners, then all property owners must sign the form that designates a legal representative.

By signing a form that designates a legal representative for purposes of 15A NCAC 18A .1937, the property owner authorizes that representative to act on their behalf in matters pertaining to the application and permitting process, including signing or receiving any application, document or permit. The owner retains full responsibility to meet all permit conditions specified by the local health department.

I, Kimberly & Jeffrey Pace, am the legal owner(s) of the property located at 173 Atwell Drive, Statesville NC 28677, identified as PIN (Parcel Identification Number) 4791944074Z, located in Iredell County, North Carolina.

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

| | | | |
|---|---|---|---|
| X Kim Pace | 8/27/2021 | Jeff Pace | 8/27/2021 |
| Signature of Owner(s) | Date | Signature of Witness | Date |

Please return this signed form to the appropriate office:

**Mooresville - Environmental Health**
ronda.hart@co.iredell.nc.us
Fax: 704-662-3239
610 E. Center Avenue, Mooresville, NC 28115

**Statesville - Environmental Health**
adrienne.shea@co.iredell.nc.us
Fax: 704-871-3483
349 N. Center Street, Statesville, NC 28677

# ENVIRONMENTAL HEALTH REQUIREMENTS for SEPTIC and WELL PERMITS

**The following items must be completed *PRIOR* to the *SUBMITTAL* of any Environmental Health Application. Incomplete applications will be returned to the applicant and cannot be processed or placed on the work list.**

*** Initial all lines below to indicate you have submitted each form and completed every site requirement ****

S.A.R. **Complete all Environmental Health forms**:
- S.A.R. Application
- S.A.R. Site Plan with dimensions of proposed structure, addition, pool etc.
- S.A.R. Documentation to Authorize Owner Agent (if the property owner is not the applicant)
- S.A.R. Copy of Zoning Permit when applicable
- S.A.R. Sign this sheet after you have completed all items

S.A.R. **Lot must be cleared of heavy undergrowth.** In order to evaluate the lot, the footprint of the proposed structure must be visible. Adequate area for the septic drain field and repair area must be sufficiently cleared of heavy undergrowth, with **50 feet of visibility** in all directions. Inspectors must be able to evaluate the property, shoot laser level elevations, layout the drain field, do soils work, etc. **If the lot is not cleared sufficiently, then a $100 site revisit fee will be charged and the evaluation will be put on HOLD until the requirement is met.**

S.A.R. **Clearly mark all property corners by locating existing iron or concrete markers**. Flag all property lines every 25 feet if adjacent corners are not visible when standing on any given corner. Property lines must be flagged by a licensed NC surveyor & easily identified **prior to application submittal** (exception may apply for septic repair evaluations only).
'Mow lines' and/or fence lines do NOT constitute marked lines. **If the property lines are not properly marked when the lot is ready to be evaluated, then the application will be put on HOLD and a $100 site re-visit fee charged**.

S.A.R. **Stake or flag the footprint of the proposed structure, addition, pool etc. to match the site plan submitted.** The proposed structure, etc. **must be staked** out on the property as per the site plan.

S.A.R. If an **Authorization to Construct (AC) is desired**, submit a recorded copy of the plat for newly created or subdivided lot(s) and a LEGIBLE copy of the basic floor plan no larger than 8 ½" x 14" for each floor of the structure including decks, porches, etc. **The overall dimensions must be clearly noted & the rooms labeled.**

***Any site not meeting the above requirements when staff arrives for the evaluation will result in a $100 site revisit fee being charged and the request being placed on HOLD. This will delay the processing of the application.***
*Once work by Environmental Health staff begins, the up-front fees paid toward securing any health department permit are non-refundable. Refunds for work not started, due to a customer changing their mind or plans, are subject to an administrative fee of $50 to defray a portion of the costs of processing the refund.*

**Backhoe pits are required for all applications that require a soils evaluation.**
**DO NOT DIG PITS UNTIL THE EH SPECIALIST HAS AUTHORIZED AND SCHEDULED YOUR EVALUATION TIME.**

- **All utilities shall be marked before pits are dug. Call NC 811 for this service.**
- **The applicant/agent is responsible for securing these services**
- **Backhoe pits are to be dug at the locations and depths determined by the Environmental Health Specialist or a NC Licensed Soil Scientist. A minimum of four pits must be dug.**
- **The EH specialist will contact you when your application is ready to be processed for pit scheduling.**
- **Your backhoe operator must be on site during the EH Specialist's evaluation to prevent your operator from having to return to the property for additional work.**

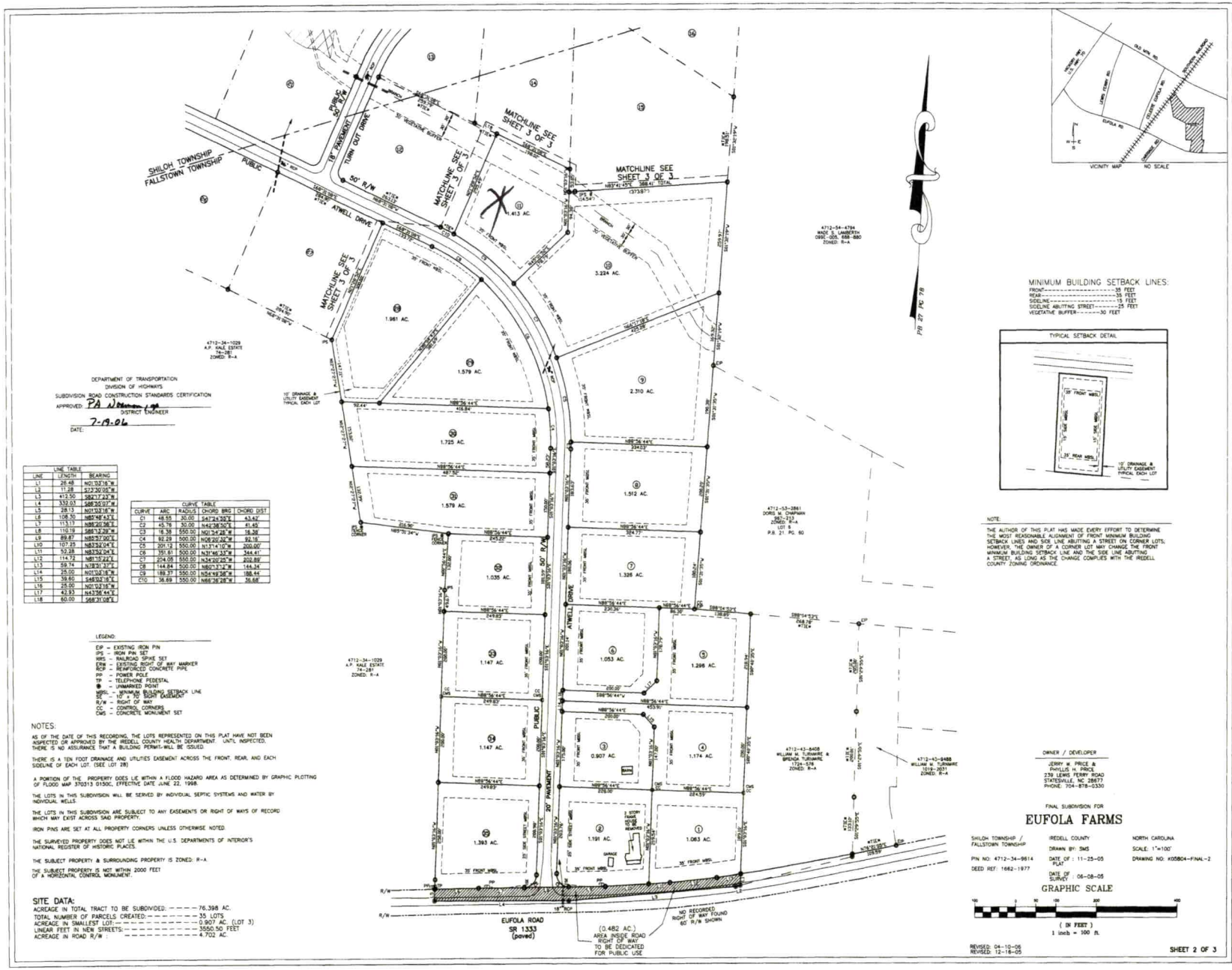
**By signing below I am acknowledging the above specifications have been met and the site is READY to be evaluated AND I understand the backhoe pit requirement and will secure those services (if applicable).**

**Signature** _____ **Date** 8/13/21

Questions? Contact the Environmental Health Offices below:

**Statesville Office**
349 North Center Street (2nd Floor Building Standards)
Statesville, NC 28677-4063
Phone: (704)878-5305 ext. 3456

**Mooresville Office**
610 East Center Avenue (2nd Floor Govt. Center South)
Mooresville, NC 28115-2548
Phone: (704)660-3625







MINIMUM BUILDING SETBACK LINES:

| | |
|---|---|
| FRONT | 35 FEET |
| REAR | 35 FEET |
| SIDELINE | 15 FEET |
| SIDELINE ABUTTING STREET | 25 FEET |
| VEGETATIVE BUFFER | 30 FEET |

TYPICAL SETBACK DETAIL




NOTE:

THE AUTHOR OF THIS PLAT HAS MADE EVERY EFFORT TO DETERMINE THE MOST REASONABLE ALIGNMENT OF FRONT MINIMUM BUILDING SETBACK LINES AND SIDE LINE ABUTTING A STREET ON CORNER LOTS; HOWEVER, THE OWNER OF A CORNER LOT MAY CHANGE THE FRONT MINIMUM BUILDING SETBACK LINE AND THE SIDE LINE ABUTTING A STREET, AS LONG AS THE CHANGE COMPLIES WITH THE IREDELL COUNTY ZONING ORDINANCE.

DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
SUBDIVISION ROAD CONSTRUCTION STANDARDS CERTIFICATION
APPROVED: PA Wesson for
DISTRICT ENGINEER
DATE: 7-19-06

| LINE TABLE | | |
|---|---|---|
| LINE | LENGTH | BEARING |
| L1 | 26.48 | N01°33'16"W |
| L2 | 11.68 | S23°30'05"W |
| L3 | 412.50 | S82°17'23"W |
| L4 | 332.03 | S86°35'07"W |
| L5 | 28.13 | N01°33'16"W |
| L6 | 108.30 | N85°46'43"E |
| L7 | 113.13 | N86°20'36"E |
| L8 | 110.19 | S88°13'29"W |
| L9 | 89.87 | N85°57'00"E |
| L10 | 107.25 | N83°32'04"E |
| L11 | 52.28 | N83°32'04"E |
| L12 | 114.72 | N81°15'22"E |
| L13 | 59.74 | N18°31'27"E |
| L14 | 25.00 | N01°33'16"W |
| L15 | 39.60 | S48°32'16"E |
| L16 | 25.00 | N01°33'16"W |
| L17 | 42.93 | N43°56'44"E |
| L18 | 60.00 | S68°31'08"E |

| CURVE TABLE | | | | |
|---|---|---|---|---|
| CURVE | ARC | RADIUS | CHORD BRG | CHORD DIST |
| C1 | 48.55 | 30.00 | S47°24'35"E | 43.42' |
| C2 | 45.76 | 30.00 | N42°36'30"E | 41.40 |
| C3 | 19.38 | 550.00 | N01°34'28"W | 19.38' |
| C4 | 92.29 | 500.00 | N08°20'30"W | 92.16' |
| C5 | 201.12 | 550.00 | N13°41'07"W | 200.00' |
| C6 | 351.61 | 500.00 | N31°46'33"W | 344.41' |
| C7 | 204.05 | 550.00 | N34°20'25"W | 202.89' |
| C8 | 144.84 | 500.00 | N60°13'42"W | 144.34' |
| C9 | 189.37 | 550.00 | N54°49'58"W | 188.44' |
| C10 | 36.69 | 550.00 | N66°36'28"W | 36.68' |

LEGEND:

EIP – EXISTING IRON PIN
IPS – IRON PIN SET
RRS – RAILROAD SPIKE SET
ERW – EXISTING RIGHT OF WAY MARKER
RCP – REINFORCED CONCRETE PIPE
PP – POWER POLE
TP – TELEPHONE PEDESTAL
● – UNMARKED POINT
MBSL – MINIMUM BUILDING SETBACK LINE
10' D&UE – 10' DRAINAGE & UTILITY EASEMENT
R/W – RIGHT OF WAY
CC – CONTROL CORNERS
CMS – CONCRETE MONUMENT SET

NOTES:

AS OF THE DATE OF THIS RECORDING, THE LOTS REPRESENTED ON THIS PLAT HAVE NOT BEEN INSPECTED OR APPROVED BY THE IREDELL COUNTY HEALTH DEPARTMENT. UNITS INSPECTED. THERE IS NO ASSURANCE THAT A BUILDING PERMIT WILL BE ISSUED.

THERE IS A TEN FOOT DRAINAGE AND UTILITIES EASEMENT ACROSS THE FRONT, REAR, AND EACH SIDELINE OF EACH LOT. (SEE LOT 28)

A PORTION OF THE PROPERTY DOES LIE WITHIN A FLOOD HAZARD AREA AS DETERMINED BY GRAPHIC PLOTTING OF FLOOD MAP 3703I3 0150C, EFFECTIVE DATE JUNE 22, 1998.

THE LOTS IN THIS SUBDIVISION WILL BE SERVED BY INDIVIDUAL SEPTIC SYSTEMS AND WATER BY INDIVIDUAL WELLS.

THE LOTS IN THIS SUBDIVISION ARE SUBJECT TO ANY EASEMENTS OR RIGHT OF WAYS OF RECORD WHICH MAY EXIST ACROSS SAID PROPERTY.

IRON PINS ARE SET AT ALL PROPERTY CORNERS UNLESS OTHERWISE NOTED.

THE SURVEYED PROPERTY DOES NOT LIE WITHIN THE U.S. DEPARTMENTS OF INTERIOR'S NATIONAL REGISTER OF HISTORIC PLACES.

THE SUBJECT PROPERTY & SURROUNDING PROPERTY IS ZONED: R-A.

THE SUBJECT PROPERTY IS NOT WITHIN 2000 FEET OF A HORIZONTAL CONTROL MONUMENT.

SITE DATA:

ACREAGE IN TOTAL TRACT TO BE SUBDIVIDED: ------ 76.398 AC.
TOTAL NUMBER OF PARCELS CREATED: ------ 35 LOTS
ACREAGE IN SMALLEST LOT: ------ 0.907 AC. (LOT 3)
LINEAR FEET IN NEW STREETS: ------ 3550.50 FEET
ACREAGE IN ROAD R/W : ------ 4.702 AC.

OWNER / DEVELOPER

JERRY W. PRICE &
PHYLLIS H. PRICE
239 LEWIS FERRY ROAD
STATESVILLE, NC 28677
PHONE: 704-878-0330

FINAL SUBDIVISION FOR

# EUFOLA FARMS

SHILOH TOWNSHIP / FALLSTOWN TOWNSHIP
IREDELL COUNTY
NORTH CAROLINA
DRAWN BY: SMS
SCALE: 1"=100'
PIN NO: 4712-34-9614
DEED REF: 1662-1977
DATE OF PLAT: 11-25-05
DRAWING NO: K05804-FINAL-2
DATE OF SURVEY: 06-08-05

GRAPHIC SCALE

100 0 50 100 200 400
( IN FEET )
1 inch = 100 ft.

REVISED: 04-10-06
REVISED: 12-16-05

SHEET 2 OF 3

KSI
KESTLER SURVEYING, INC.
P.O. BOX 1793
STATESVILLE, NC 28687
PHONE: (704) 872-0212

PROPERTY ID #: 4712440742
COUNTY: Iredell

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

OWNER: Kim Pace - Buyer — APPLICATION DATE
ADDRESS: 375 Redrock Ct NW Unit B Concord, NC 28027 — DATE EVALUATED: 1/4/21
PROPOSED FACILITY: 3BR — PROPOSED DESIGN FLOW (.1949): 360 gpd — PROPERTY SIZE: ± 1.409 c
LOCATION OF SITE: Eufola Farms Lot 11 — 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) STRUCTURE/ TEXTURE | SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY | OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR | .1943 SOIL DEPTH | .1956 SAPRO CLASS | .1944 RESTR HORIZ | PROFILE CLASS & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| B 1 | L/15% | 0-6 | BSCL MFSBK | FrSSSPSEXP | | | | | PS-43" 0.5-.275 Shallow Trench 26" Lowside |
| | | 6-26 | RCLMSBK | " " " " | | | | | |
| | | 26-43 | RBSCL/CL MFSBK | " " " " | F-CSAP | 43 | - | - | |
| | | 43 | AR-QTZ VEIN | | | | | | |
| | | | | | | | | | |
| B 2 | L/25% | 0-6 | RBSCL MFSBK | FrSSSPSEXP | | | | | PS 0.275 |
| | | 6-26 | RCLMSBK/SBK | " " " " | | | | | |
| | | 26-50 | RBCL/SCL MFSBK | " " " " | =CSAP =FWR | 50 | - | - | |
| | | | | | | | | | |
| | | | | | | | | | |
| B 3 | L/25% | 0-8 | RBSCL MFSBK | FrSSSPSEXP | | | | | PS 0.275 |
| | | 8-28 | BRCLMSBK | " " " " | -FWR | | | | |
| | | 28-47 | RBSCL/CL MFSBK | " " " " | -CSAP -FWR | 47 | - | - | |
| | | 47-50 | VARSL MASS | " " " " | | | | | |
| | | | | | | | | | |
| B 4 | L/25% | 0-11 | RBSCL MFSBK | FrSSSPSEXP | | | | | PS-30" 0.1 Drip |
| | | 11-30 | BRCLMSBK | " " " " | -PWR | | | | |
| | | 30 | AR-Rock | | | 30" | - | 30" | |
| | | | | | | | | | |
| | | | | | | | | | |

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

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

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

COMMENTS:

# SOIL/SITE EVALUATION

*(Continuation Sheet-Complete all field in full)*



PROPERTY ID #: 471244074 2
DATE OF EVALUATION: 1/4/20
COUNTY: Lincoln

| 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 |
|---|---|---|---|---|---|---|---|---|---|
| B5 | L/12% | 0-6 | Bscl sr | FrSSSPSEXP | - c Fe depl. - Few Chr's @47" | 50 | — | — | PS 0.25 |
| | | 6-12 | RBscl wfsbk | " " " " | | | | | |
| | | 12-50 | BRcwmsbk/Abk | F " " " | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| B6 | L/23% | 0-C | Bsl sr | FrSSSPSEXP | - C. WR | 24 | | 24 | PS-24 0.1 DRIP |
| | | 6-14 | RBscl wfsbk | " " " " | | | | | |
| | | 14-24 | RBc wmsbk | " " " " | | | | | |
| | | 24 | AR - Rock | | | | | | |
| | | | | | | | | | |
| B7 | L/12% | 0-5 | Bsl/lsr | FrSSSPSEXP | - f-c sap - fqtz | 48 | — | — | PS 0.3 |
| | | 5-29 | Rcwmsbk/Abk | " " " " | | | | | |
| | | 29-48 | RBcl/scl wfsbk | " " " " | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| B8 | L/18% | 0-5 | BRscl wfsbk | FrSSSPSEXP | - f sap - f-c sap - fqtz | 50 | — | — | PS 0.3 |
| | | 5-34 | Rcwmsbk/Abk | " " " " | | | | | |
| | | 34-50 | RBcl wfsbk | " " " " | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| B9 | L/18% | 0-3 | Bsl sr | FrSSSPSEXP | - f sap - c-m sap - f- WR - f-c WR | 44 | — | — | PS 0.25-.275 |
| | | 3-24 | BRcwmsbk/Abk | " " " " | | | | | |
| | | 24-44 | RBscl wfsbk | " " " " | | | | | |
| | | 44+50 | var sl mass | " " " " | | | | | |
| | | | | | | | | | |

COMMENTS:

IREDELL COUNTY · NC

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

| APPLICATION NUMBER |
|---|
| 320929<br>Issue Date: |

**Permit Type: ZONING**

| Parcel Number | Street Address | Jurisdiction |
|---|---|---|
| 4712440742.000 | 172 Atwell Dr | Iredell County |

| Owner Information | Applicant Information |
|---|---|
| Name: PACE KIMBERLY+JEFFREY | Name: PACE KIMBERLY+JEFFREY |
| Address: | Address: |
| Phone: (704)619-2011 | Phone: (704)619-2011 |

| Use Requested | Zone Code |
|---|---|
| Single Family Dwelling | RA |

| Lot Acreage | F Setback | B Setback | L Setback | R Setback | Watershed | Flood Zone |
|---|---|---|---|---|---|---|
| 1.413 | 35 | 35 | 15 | 15 | WSIV-PA Catawba/Lake Norman | NO |

| Remarks |
|---|
| SFD |

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

**Date:** 08/27/2021

Signature of Owner/Contractor

| Permit Number | 320929 | TOTAL FEES: | $77.25 |
|---|---|---|---|

**DEPARTMENT OF PLANNING & DEVELOPMENT**
PO BOX 788, STATESVILLE NC 28687-0788
349 N. Center Street / Building Standards Center
(704) 878-3118 / FAX 928-2025

# Residential Zoning Permit Application

What are you building? (Please check)

Stick built[X] Modular___ Duplex___ Singlewide___ Doublewide___ Pier___ Addition___ Bedroom addition___

Accessory dwelling (ie: M-I-L Suite, guest house)___ Accessory building (ie: garage, shed)___ Swimming pool___

Are there any other structures currently on the property such as dwellings, sheds, garages? (Please list type below)

Is there a septic tank on the property? Yes (No) If residence how many bedrooms? 3 and stories? 1

If an addition, please describe project: _____

Please list square footage of project (Pier, Addition, Accessory Dwelling, Accessory Building only): _____

Does the property have community water? Yes (No) If yes, please list who provides it: _____

Does the property have community sewer? Yes (No) If yes, please list who provides it: _____

**Owner Information**

Property Owner's Name Kim Pace Phone # 704-619-2011

Owner's Current Address 375 Redrock Ct NW, # B - Concord, NC 28027

**Property Information**

Property Address 172 Atwell Dr Statesville, NC 28677 Parcel # _____

Subdivision: _____ Lot: ___ Zoning: ___ Watershed: Y or N Flood Plain: Y or N Township: ___

Directions to property (from a MAIN ROAD) Go to Eufola & turn right on Atwell. Property is on right.

**Application Information**

Applicant's Name or Company Kim Pace Applicant's Phone # 704-619-2011

Applicant's Address 375 Redrock Ct NW # B - Concord, NC 28027

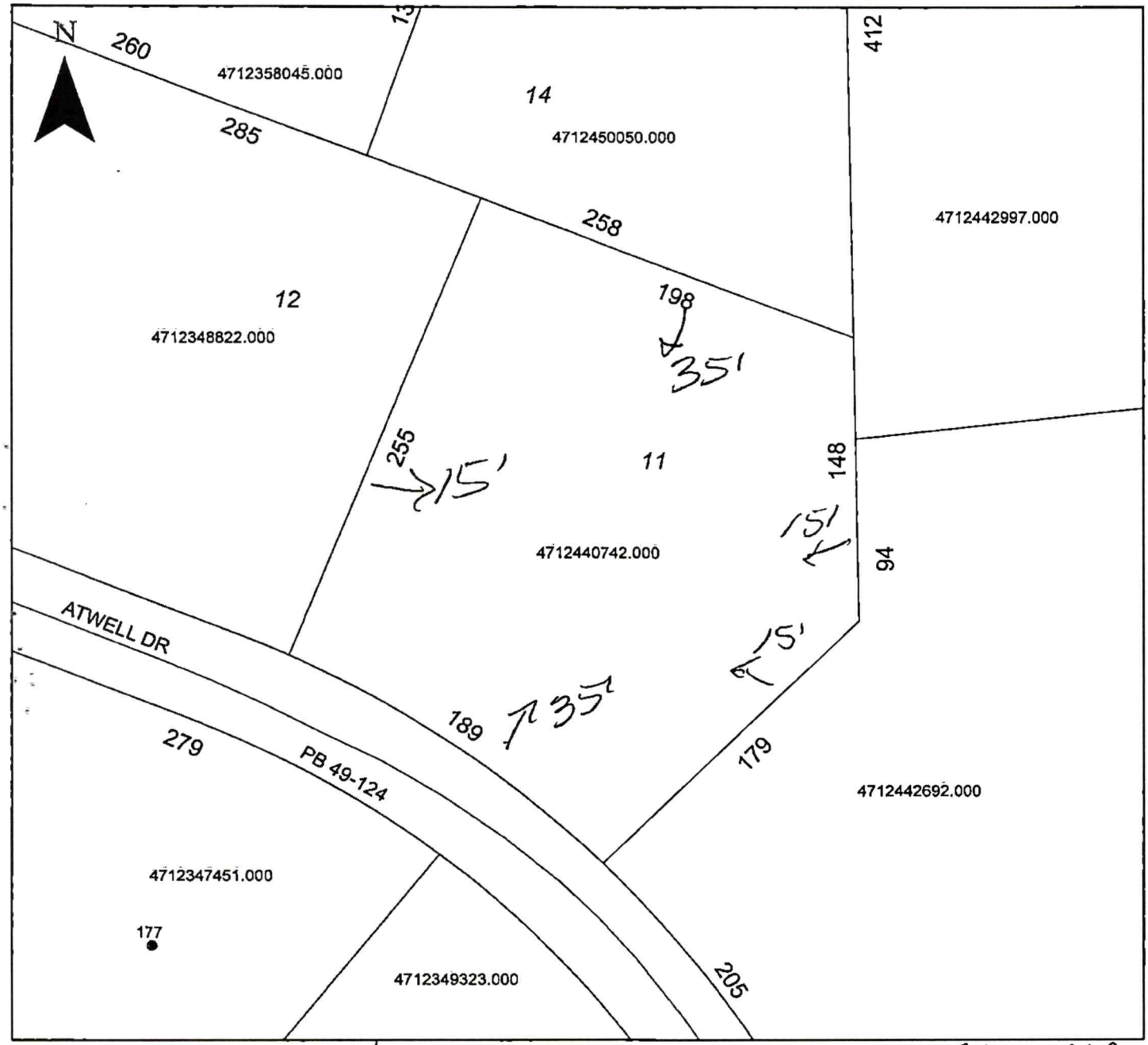
If Company, Representative's Name and Title _____

IN APPLYING FOR A ZONING PERMIT I CERTIFY THAT ALL INFORMATION ON THIS APPLICATION IS CORRECT AND THAT ALL WORK WILL COMPLY WITH IREDELL COUNTY ZONING REGULATIONS. THE IREDELL COUNTY ZONING DEPARTMENT WILL BE NOTIFIED OF ANY CHANGES THAT ARE MADE TO THIS PROJECT. I AM AWARE THAT THIS IS AN APPLICATION ONLY - NOT A PERMIT - AND DOES NOT CONSTITUTE APPROVAL OF THIS PROJECT. HOWEVER, IF THIS PROJECT IS APPROVED, THIS SIGNATURE IS VALID FOR MY PERMIT

SIGNATURE OF APPLICANT Kim Pace DATE 8/27/21

RA WPA Cat. 41 M

# ZONING DISCLAIMER




Property Address 4712440742.000 – Atwell Dr

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.

Kim Pace

Applicant

8/27/21

Date

IREDELL COUNTY · NC

# Cash Register Receipt

**Iredell County**

**Receipt Number**
**R12555**

| DESCRIPTION | ACCOUNT | QTY | PAID |
|---|---|---|---|
| PermitTRAK | | | $577.25 |
| AP-320929 Address: APN: 4712440742.000 | | | $577.25 |
| EH NEW SYSTEM PERMITS | | | $500.00 |
| GRAVITY SYSTEM | 10492751-447004 | 0 | $500.00 |
| ZONING | | | $77.25 |
| TECH FEE ZONING | 104563-460450 | 0 | $2.25 |
| ZONING PERMIT | 104563-472223 | 0 | $75.00 |
| TOTAL FEES PAID BY RECEIPT:R12555 | | | $577.25 |

Date Paid: Friday, August 27, 2021
Paid By: PACE KIMBERLY+JEFFREY
Cashier: MJH
Pay Method: CHECK 7179

N1102.2.3 PROVIDE VERTICAL DOORS BETWEEN CONDITIONED AND UNCONDITIONED SPACES WITH WIT< THE STRIPPING AND A MINIMUM OF R-<5 INSULATED DOOR

**STRUCTURAL NOTES:**

ROOF FRAMING DESIGN IS CONVENTIONAL (STICK) FRAMING. FOR CONVERSION TO PRE-ENGINEERED TRUSS FRAMING, CONSULT A LOCAL TRUSS MANUFACTURER.

PROVIDE 2x6 COLLAR TIES @ 32" O.C. IN TOP THIRD OR TOP 3'-0" OF ATTIC SPACE IN ACCORDANCE WITH LOCAL BUILDING CODE.

UNLESS NOTED OTHERWISE, ALL INTERIOR DOORS AND WALL OPENINGS AND LOAD BEARING WALLS SHALL HAVE (2) 2x10 HEADER w/ (2) STUDS AT EACH HEADER END (TYP.).

UNLESS NOTED OTHERWISE, ALL EXTERIOR DOORS AND WINDOW OPENINGS SHALL HAVE (2) 2x10 HEADERS. USE (2) STUDS AT EACH HEADER ENDS UNLESS OTHERWISE NOTED. PROVIDE STEEL LINTEL ANGLE WITH 4" MIN. BEARING WHERE REQUIRED OVER EXTERIOR MASONRY WALL OPENINGS.

AT ALL BUILDING CORNERS, USE NOMINAL 1/2" STRUCTURAL GRADE 3 PLYWOOD OR NOMINAL 1/2" OSB MIN. 4'-0" WIDE. USE 8d NAILS @ 4" O.C. FOR EDGE NAILING, AND 12" O.C. FOR INTERMEDIATE NAILING.

CONNECTORS INDICATED ARE MANUFACTURED BY THE SIMPSON STRONG TIE COMPANY.

- VERIFY ALL LOCAL CODES, ENERGY TYPES, AND SITE CONDITIONS PRIOR TO CONSTRUCTION.
- REVIEW SELECTED MECHANICAL SYSTEMS WITH OWNER PRIOR TO CONSTRUCTION.

RECOMMENDED LOCATIONS ARE AS FOLLOWS: THE WATER HEATER MAY TYPICALLY BE PLACED IN THE BASEMENT MECHANICAL SPACE OR IN THE GARAGE. HVAC UNIT(S) MAY TYPICALLY BE ACTUATED IN THE MECHANICAL BASEMENT SPACE FOR THE FIRST FLOOR AND IN THE ATTIC FOR THE SECOND FLOOR.

HVAC EQUIPMENT IN ATTIC SPACE SHALL BE ACCESSIBLE BY AN OPENING AS LARGE AS THE LARGEST PIPE OF THE EQUIPMENT AND IN NO CASE LESS THAN 22" x 30".

- SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- INSULATE ROUND ALL THAT HAS AND UTILITY ROOM.
- PROVIDE SMOKE DETECTOR AS REQUIRED BY CODE.
- PROVIDE DOORBELLS, TRANSFORMER, AND CHIME.

**DOOR SCHEDULE**

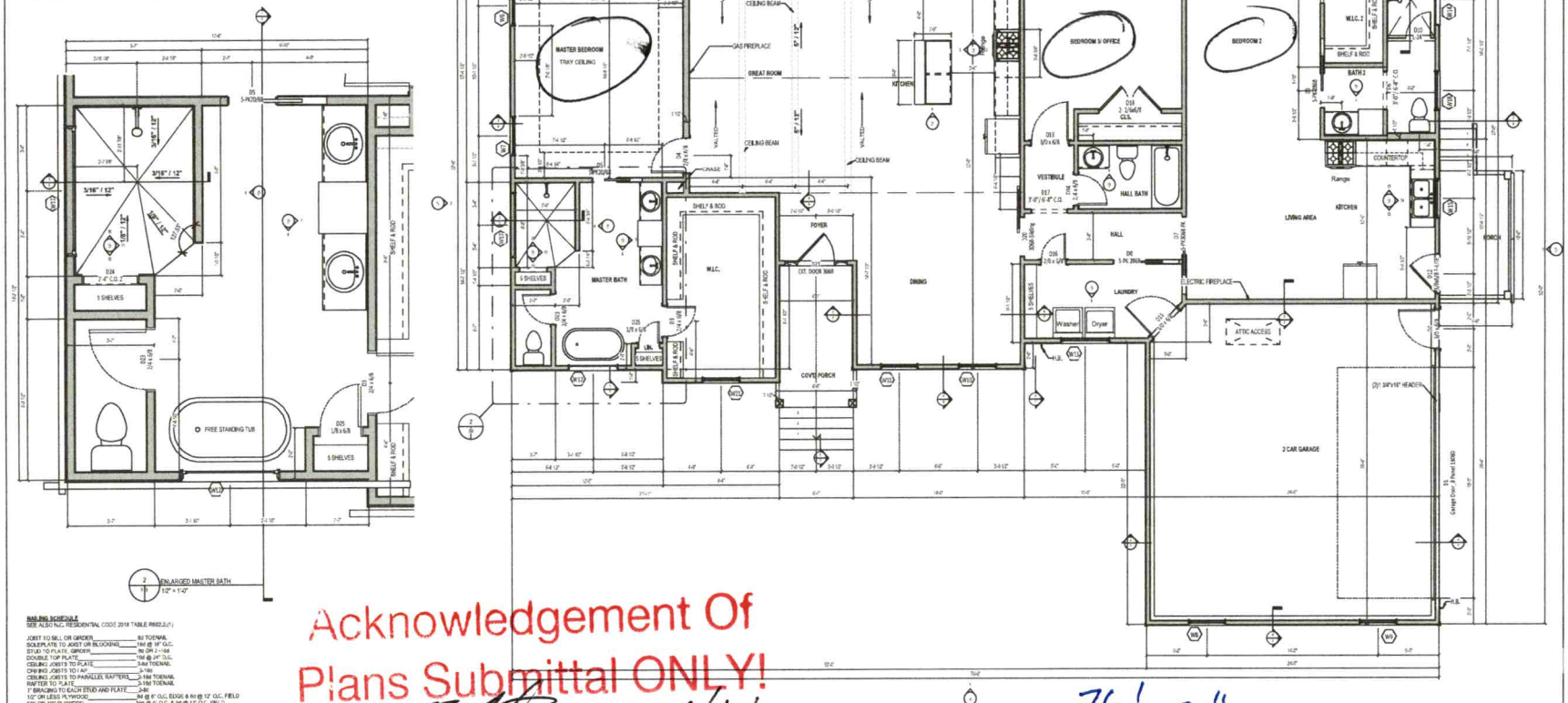
| Level | Mark | Width | Height |
|---|---|---|---|
| GARAGE FLOOR | D1 | 16'-0" | 8'-0" |
| GARAGE FLOOR | D2 | 3'-0" | 6'-8" |
| 1ST FLOOR | D3 | 2'-4" | 6'-8" |
| 1ST FLOOR | D4 | 2'-8" | 6'-8" |
| 1ST FLOOR | D5 | 2'-0" | 6'-8" |
| 1ST FLOOR | D6 | 3'-0" | 6'-8" |
| 1ST FLOOR | D7 | 3'-0" | 6'-8" |
| 1ST FLOOR | D8 | 2'-8" | 6'-8" |
| 1ST FLOOR | D9 | 2'-8" | 6'-8" |
| 1ST FLOOR | D10 | 2'-0" | 6'-8" |
| 1ST FLOOR | D11 | 11'-10 1/4" | 6'-8" |
| 1ST FLOOR | D12 | 3'-0" | 6'-8" |
| 1ST FLOOR | D13 | 3'-0" | 6'-8" |
| 1ST FLOOR | D14 | 2'-4" | 6'-8" |
| 1ST FLOOR | D15 | 2'-0" | 6'-8" |
| 1ST FLOOR | D16 | 2'-0" | 6'-8" |
| 1ST FLOOR | D17 | 3'-0" | 6'-8" |
| 1ST FLOOR | D18 | 2'-8" | 6'-8" |
| 1ST FLOOR | D19 | 2'-6" | 6'-8" |
| 1ST FLOOR | D20 | 9'-0" | 6'-8" |
| 1ST FLOOR | D21 | 3'-0" | 6'-8" |
| 1ST FLOOR | D22 | 2'-4" | 6'-8" |
| 1ST FLOOR | D23 | 2'-4" | 6'-8" |
| 1ST FLOOR | D24 | 2'-4" | 8'-0" |
| 1ST FLOOR | D25 | 1'-6" | 6'-8" |

**WINDOW SCHEDULE**

| Level | Mark | Family and Type | ROUGH OPENING |
|---|---|---|---|
| 1ST FLOOR | W1 | Window-Windsor-Pinnacle_Clad-Double_Hung: 72 3/4" x 37 3/8" Double Hung | 3' - 2 1/8" / 6' - 1 1/4" |
| 1ST FLOOR | W2 | Window-Windsor-Pinnacle_Clad-Double_Hung: 72 3/4" x 37 3/8" Double Hung | 3' - 2 1/8" / 6' - 1 1/4" |
| 1ST FLOOR | W3 | Window-Windsor-Pinnacle_Clad-Double_Hung: 72 3/4" x 37 3/8" Double Hung | 3' - 2 1/8" / 6' - 1 1/4" |
| 1ST FLOOR | W4 | Window-Windsor-Pinnacle_Clad-Double_Hung: 72 3/4" x 37 3/8" Double Hung | 3' - 2 1/8" / 6' - 1 1/4" |
| 1ST FLOOR | W5 | Window-Windsor-Pinnacle_Clad-Double_Hung: 72 3/4" x 37 3/8" Double Hung | 3' - 2 1/8" / 6' - 1 1/4" |
| 1ST FLOOR | W6 | Window-Windsor-Pinnacle_Clad-Double_Hung: 72 3/4" x 37 3/8" Double Hung | 3' - 2 1/8" / 6' - 1 1/4" |
| 1ST FLOOR | W7 | Window-Windsor-Pinnacle_Clad-Double_Hung: 72 3/4" x 37 3/8" Double Hung | 3' - 2 1/8" / 6' - 1 1/4" |
| 1ST FLOOR | W8 | Window-Windsor-Pinnacle_Clad-Double_Hung: 60 3/4" x 37 3/8" Double Hung | 3' - 2 1/8" / 5' - 1 1/4" |
| 1ST FLOOR | W9 | Window-Windsor-Pinnacle_Clad-Double_Hung: 60 3/4" x 37 3/8" Double Hung | 3' - 2 1/8" / 5' - 1 1/4" |
| 1ST FLOOR | W10 | Window-Windsor-Pinnacle_Clad-Double_Hung: 72 3/4" x 37 3/8" Double Hung | 3' - 2 1/8" / 6' - 1 1/4" |
| 1ST FLOOR | W11 | Window-Windsor-Pinnacle_Clad-Double_Hung: 72 3/4" x 37 3/8" Double Hung | 3' - 2 1/8" / 6' - 1 1/4" |

**WINDOW SCHEDULE**

| Level | Mark | Family and Type | ROUGH OPENING |
|---|---|---|---|
| 1ST FLOOR | W12 | Window-Windsor-Picture-Double_Hung-Pinnacle_Clad: 49 3/8" x 52 3/4" Double Hung Picture | 4' - 2 1/8" / 4' - 5 1/4" |
| 1ST FLOOR | W13 | Window-Windsor-Pinnacle_Clad-Double_Hung: 48 3/4" x 49 3/8" Double Hung | 4' - 1 1/2" / 4' - 1 1/4" |
| 1ST FLOOR | W14 | Window-Windsor-Picture-Double_Hung-Pinnacle_Clad: 24" x 49 3/8" Double Hung Transom | 4' - 2 1/8" / 2' - 0 1/2" |
| 1ST FLOOR | W15 | Window-Windsor-Pinnacle_Clad-Double_Hung: 36 3/4" x 37 3/8" Double Hung | 3' - 2 1/8" / 3' - 1 1/4" |
| 1ST FLOOR | W16 | Window-Windsor-Pinnacle_Clad-Double_Hung: 36 3/4" x 25 3/8" Double Hung | 2' - 2 1/8" / 3' - 1 1/4" |
| 1ST FLOOR | W17 | Window-Windsor-Picture-Double_Hung-Pinnacle_Clad: 18" x 61 3/8" Double Hung Transom | 5' - 2 1/8" / 1' - 6 1/2" |
| 1ST FLOOR | W18 | Window-Windsor-Pinnacle_Clad-Double_Hung: 36 3/4" x 37 3/8" Double Hung | 3' - 2 1/8" / 3' - 1 1/4" |
| 1ST FLOOR | W19 | Window-Windsor-Pinnacle_Clad-Double_Hung: 36 3/4" x 25 3/8" Double Hung | 2' - 2 1/8" / 3' - 1 1/4" |
| 1ST FLOOR | W20 | Window-Windsor-Pinnacle_Clad-Double_Hung: 36 3/4" x 25 3/8" Double Hung | 2' - 2 1/8" / 3' - 1 1/4" |
| 1ST FLOOR | W21 | Window-Windsor-Pinnacle_Clad-Double_Hung: 72 3/4" x 37 3/8" Double Hung | 3' - 2 1/8" / 6' - 1 1/4" |




**NAILING SCHEDULE**
SEE ALSO N.C. RESIDENTIAL CODE 2018 TABLE R602.3(1)

| | |
|---|---|
| JOIST TO SILL OR GIRDER | 8d TOENAIL |
| SOLEPLATE TO JOIST OR BLOCKING | 16d @ 16" O.C. |
| STUD TO PLATE, GIRDER | 8d OR 2 - 16d |
| DOUBLE TOP PLATE | 16d @ 24" O.C. |
| CEILING JOISTS TO PLATE | 3-8d TOENAIL |
| CRIBBING JOISTS TO I AP | 3-16d |
| CEILING JOISTS TO PARALLEL RAFTERS | 3-16d TOENAIL |
| RAFTER TO PLATE | 3-16d TOENAIL |
| 1" BRACING TO EACH STUD AND PLATE | 2-8d |
| 1/2" OR LESS PLYWOOD | 8d @ 6" O.C. EDGE & 8d @ 12" O.C. FIELD |
| 5/8" OR 3/4" PLYWOOD | 16d @ 6" O.C. & 3d @ 12" O.C. FIELD |
| SUBFLOOR TO JOIST OR GIRDERS | 2-16d |

Acknowledgement Of
Plans Submittal ONLY!
Date 9/16/2021.
Tim Pace Date 9/22/21

SEAL

THE PACE HOME
LOT 11 - EUFOLA FARMS
STATESVILLE, NC

*PRODUCTION PLANS* 52'-0"


DAN WILLIAMS
2629 N. FRASER ST.
GEORGETOWN SC 29440
386.864.0295
danwilliams1248@gmail.com


Sheet Name
FIRST FLOOR PLAN

| | |
|---|---|
| Date | 9/1/2021 3:05:27 PM |
| Drawn by | DW |
| Design by | DW |
| Project number | 65-19 |

SHEET
3