# IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 234254

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

PIN # 4711651713

APPLICANT/OWNER: Joseph Keenan APPLICANT ADDRESS: 305 Wagner St Troutman

SITE ADDRESS: 178 Braxton Drive Statesville PHONE: 704-528-1987 ALT. PHONE 704-634-2009

SITE DIRECTIONS: Son Buffalo shoals → L on Pineville → R on Braxton → lot on right SAP CONTROLLED: ☒ YES ☐ NO

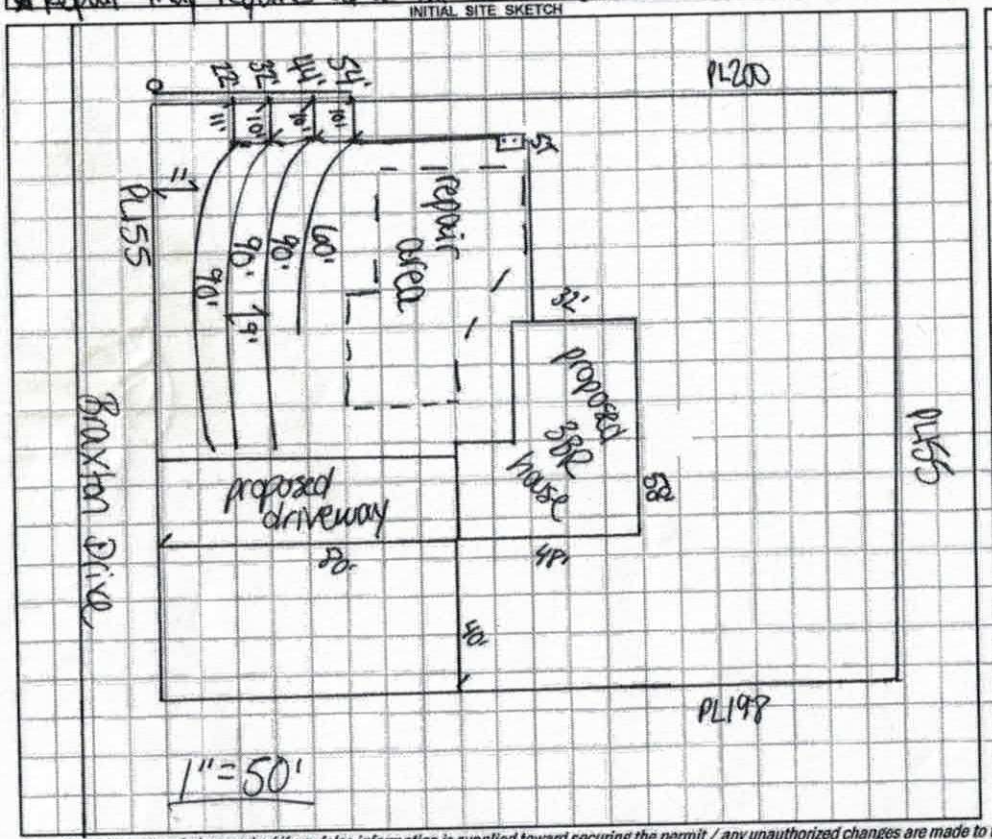
SUBDIVISION: Pineville Road Estates SECTION: 2 LOT # 18 LOT AREA: 0.7ac DESIGN FLOW: 360 gpd L.T.A.R.: 0.275

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Septic Tank | 1000 (gal) | STB | 1012 | Date | 3-16-18 | ☒ New System ☐ Repair ☐ Expansion | System Type: I II (III) IV V VI | ☒ Residence | No. Bedrooms 3 |
| Pump Tank | ~ (gal) | PT | — | Date | — | System Description: | 25% reduction | ☐ Business | No. Persons 6 |
| Pump Make | — | Model | — | Serial # | — | Repair System Description: | 50% reduction | ☐ Other | No. Employees — |
| # Nitrification Fields | 1 | # Lines | 4 | Linear Ft | 328 | Maintenance Agreement Required: | ☐ YES ☒ NO | ☐ Slab | ☒ Crawl Space |
| Trench Width | 36" | Trench Bottom Depth(Low side) | 33" | Gravel Depth | — | ☒ GRAVITY | ☐ PRESSURE | ☐ Basement w/plumbing | ☐ Basement w/o plumbing |

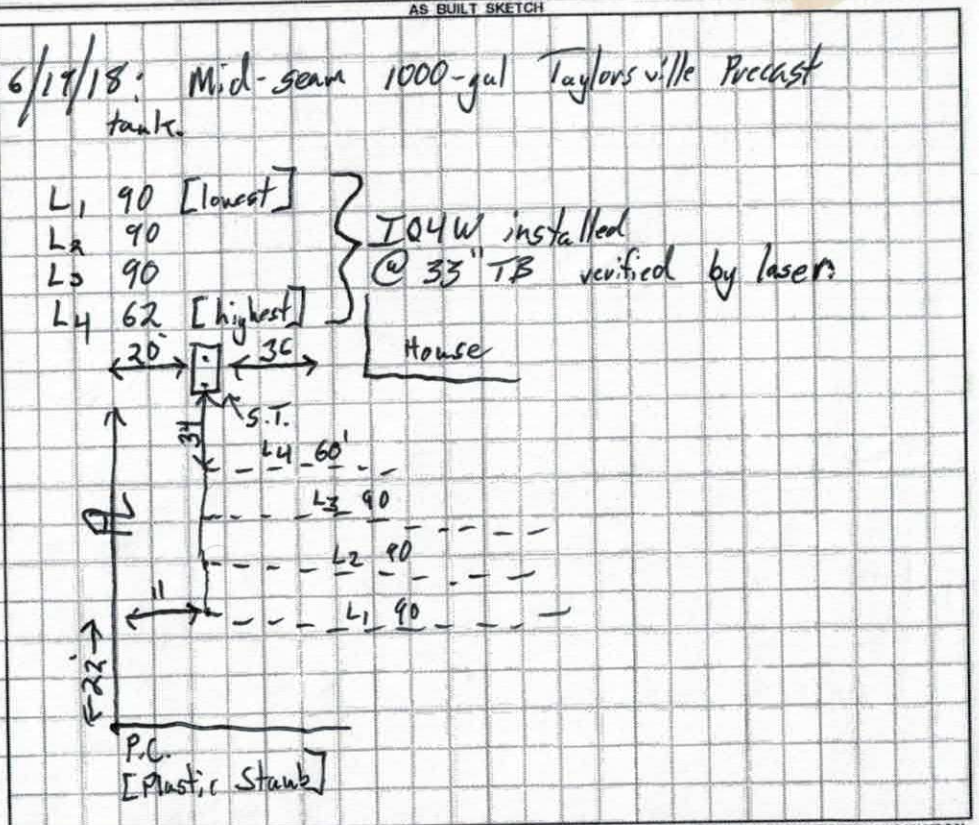
Water Supply: ☒ Private ☐ Public ☐ Community

Comments / Conditions: Install on the contour of the land. Utilize serial distribution. Do not grade, pave or park on septic area. *Repair may require some fill to be removed.

INITIAL SITE SKETCH




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: _____ Date: 4/3/18 Installed by: Steve Jordan

IMPROVEMENT PERMIT by: Carla C. Cave Date: 4/2/18 OPERATION PERMIT by: Tom Shuck Date: 6/19/2018

AUTHORIZATION TO CONSTRUCT by: Carla C. Cave Date: 4/2/18 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.

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

Sheet 1 of 1
PROPERTY ID #: 4711655113
COUNTY: Iredell

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

OWNER: Joseph Keenan
ADDRESS: 305 Wagner St Troutman
PROPOSED FACILITY: 3BR house
PROPOSED DESIGN FLOW (.1949): 360 gpd
LOCATION OF SITE: 178 Brookford Rd.

APPLICATION DATE: 3/20/18
DATE EVALUATED: 3/29/18
PROPERTY SIZE: .70 ac
PROPERTY RECORDED: Y

WATER SUPPLY: [X] Private [ ] Public [ ] Well [ ] Spring [ ] Other
EVALUATION METHOD: [ ] Auger Boring [X] Pit [ ] Cut
TYPE OF WASTEWATER: [X] Sewage [ ] Industrial Process [ ] Mixed

| PROFILE # | .1940 LANDSCAPE POSITION/ SLOPE % | HORIZON DEPTH (IN.) | SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE | SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY | OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR | .1943 SOIL DEPTH | .1956 SAPRO CLASS | .1944 RESTR HORIZ | PROFILE CLASS & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| 1 | SS 7% E | 0-8 | SBK SCL | Fr SS SP SAP | N/A | 41" | PS | N/A | PS .275 |
| | | 8-22 | ABK C | " " | | | | | |
| | | 22-41 | SBK CL | " " | | | | | |
| | | 41-52 | M L SAP | VFr | | | | | |
| 2 | SS 7% E | 0-10 | SBK SCL | Fr SS SP SAP | N/A | 30" | PS | N/A | PS .275 |
| | | 10-20 | SBK C | " " | | | | | |
| | | 20-30 | SBK CL | " " | | | | | |
| | | 30-58 | M L SAP | VFr | | | | | |
| 3 | SS 7% E | 0-9 | SBK SCL | Fr SS SP SAP | N/A | 51" | N/A | N/A | PS .275 |
| | | 9-20 | ABK C | " " | | | | | |
| | | 20-51 | SBK CL | " " | | | | | |
| 4 | SS 7% R | 0-19 | SBK Fill | — | N/A | 52" | N/A | N/A | PS .275 |
| | | 19-36 | SBK C | Fr SS SP SAP | | | | | |
| | | 36-52 | SBK CL | Fr SS SP SAP | | | | | |

| DESCRIPTION | INITIAL SYSTEM | REPAIR SYSTEM |
|---|---|---|
| Available Space (.1945) | 327' | 218' |
| System Type(s) | 25% red | 50% red. |
| Site LTAR | .275 | .275 |

OTHER FACTORS (.1946): N/A
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: C. Cole
OTHER(S) PRESENT: N/A

COMMENTS:

# LEGEND

***use the following standard abbreviations***

| LANDSCAPE POSITION | GROUP | SOIL TEXTURE | CONVENTIONAL .1955 LTAR* | LPP .1957 LTAR* | MINERALOGY/ CONSISTENCE | STRUCTURE |
|---|---|---|---|---|---|---|
| CC (Concave Slope)<br>CV (Convex Slope)<br>D (Drainage Way)<br>DS (Debris Slump)<br>FP (Flood Plain)<br>FS (Foot Slope)<br>H (Head Slope)<br>L (Linear Slope)<br>N (Nose Slope)<br>R (Ridge)<br>S (Shoulder Slope)<br>T (Terrace) | I | S (Sand)<br>LS (Loamy Sand) | 1.2 - 0.8 | 0.6 - 0.4 | SEXP (Slightly Expansive)<br>EXP (Expansive) | G (Single Grain)<br>M (Massive)<br>CR (Crumb)<br>GR (Granular)<br>SBK (Subangular Blocky)<br>ABK (Angular Blocky)<br>PL (Platy)<br>PR (Prismatic) |
| | II | SL (Sandy Loam)<br>L (Loam) | 0.8 - 0.6 | 0.4 - 0.3 | | |
| | III | Si (Silt)<br>SiCL (Silty Clay Loam)<br>CL (Clay Loam)<br>SCL (Sandy Clay Loam)<br>SiL (Silt Loam) | 0.6 - 0.3 | 0.3 - 0.15 | | |
| | IV | SC (Sandy Clay)<br>SiC (Silty Clay)<br>C (Clay) | 0.4 - 0.1 | 0.2 - 0.05 | | |
| | | O (Organic) | None | None | | |

| MOIST | WET |
|---|---|
| VFR (Very Friable) | NS (Non-sticky) |
| FR (Friable) | SS (Slightly Sticky) |
| FI (Firm) | S (Sticky) |
| VFI (Very Firm v. Very Sticky) | VS (Very Sticky) |
| EFI (Extremely Firm) | NP (Non-plastic) |
| | SP (Slightly Plastic) |
| | P (Plastic) |
| | VP (Very Plastic) |

*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

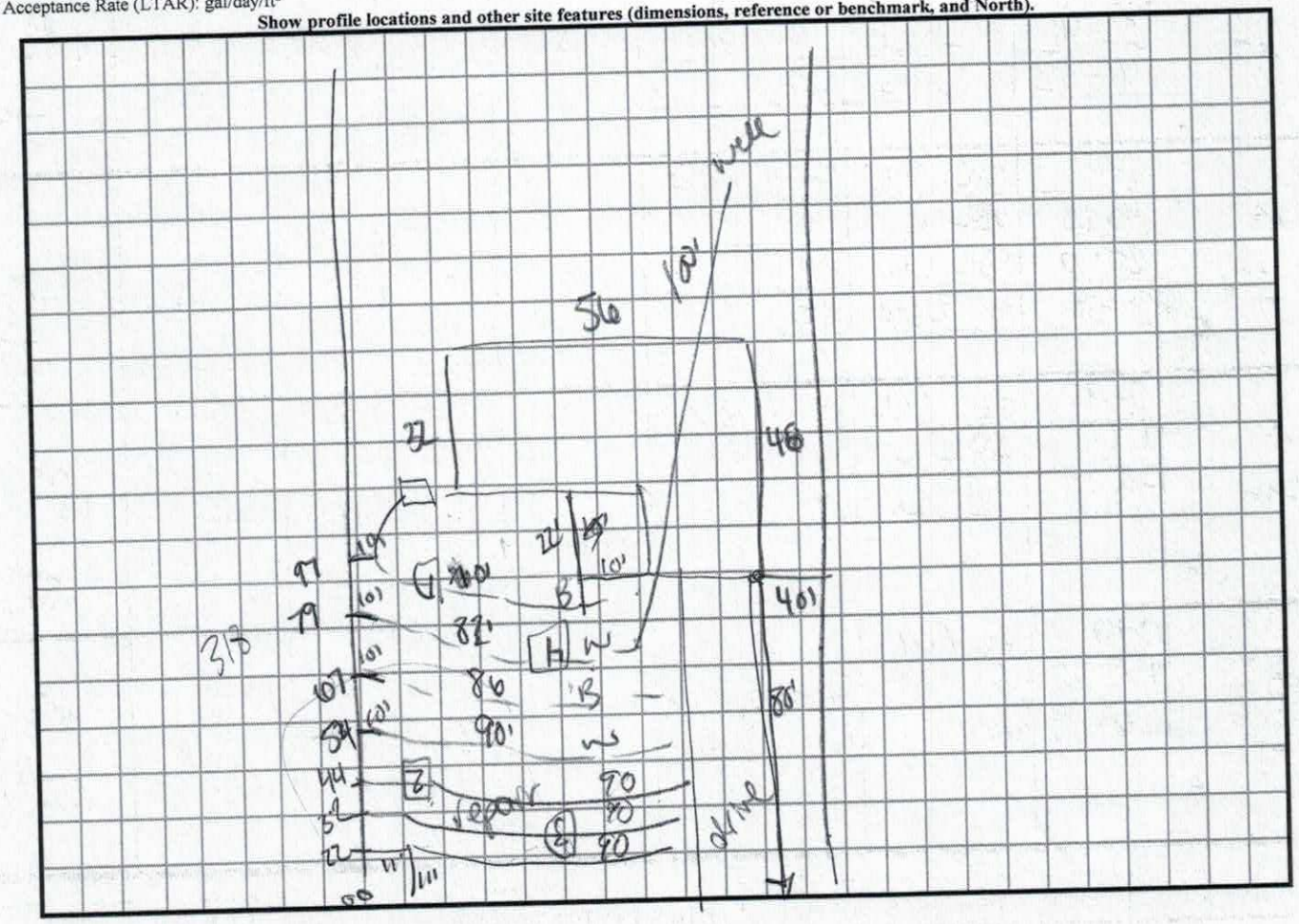
***NOTES***

| | |
|---|---|
| *HORIZON DEPTH* | In inches below natural soil surface |
| *DEPTH OF FILL* | In inches from land surface |
| *RESTRICTIVE HORIZON* | Thickness and depth from land surface |
| *SAPROLITE* | S(suitable) or U(unsuitable) |
| *SOIL WETNESS* | Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation |
| *CLASSIFICATION* | S (Suitable), PS (Provisionally Suitable), or U (Unsuitable) |

Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft²

**Show profile locations and other site features (dimensions, reference or benchmark, and North).**




Updated February 2014

234254 *

# IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

*APPLICATION FORM*

* needs well also

**Application For:** (X) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
( ) 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: (X) Survey Plat, scaled no more than 1 inch = 60 feet
*Place an (X) beside whichever is submitted if applicable* ( ) Custom Site Plan, scaled no more than 1 inch = 60 feet

**Applicant Information:** (PRINT CLEARLY)

Applicant Name: JOSEPH KEENAN Address: 305 WAGNER ST TROUTMAN Zip: 28166
Applicant Email: JKeenan2@roadrunner Phone: 704 528 1987 Alt. Phone: 704 634 2069
Owner Name: SAME Address: _____ Zip: _____
Owner Email: _____ Phone: _____ Alt. Phone: _____

**Property Information:**

Street Address: 178 BRAXTON DRIVE STATESVILLE, NC
Subdivision Name: PINEVILLE RD ESTATES Section/Phase: _____ Lot Number: 18
Driving Directions: BUFFALO SHOALS RD SOUTH TO LEFT ON PINEVILLE/RIGHT ONTO BRAXTON / LOT IS ON RIGHT

**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: _____
(X) 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 (X) 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:** _____ 3/20/17
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

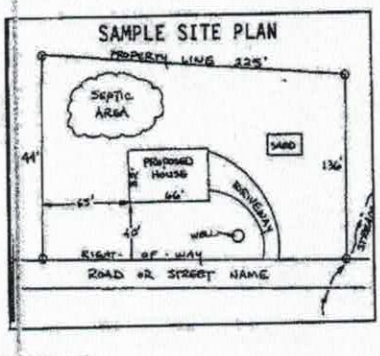
# IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

***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

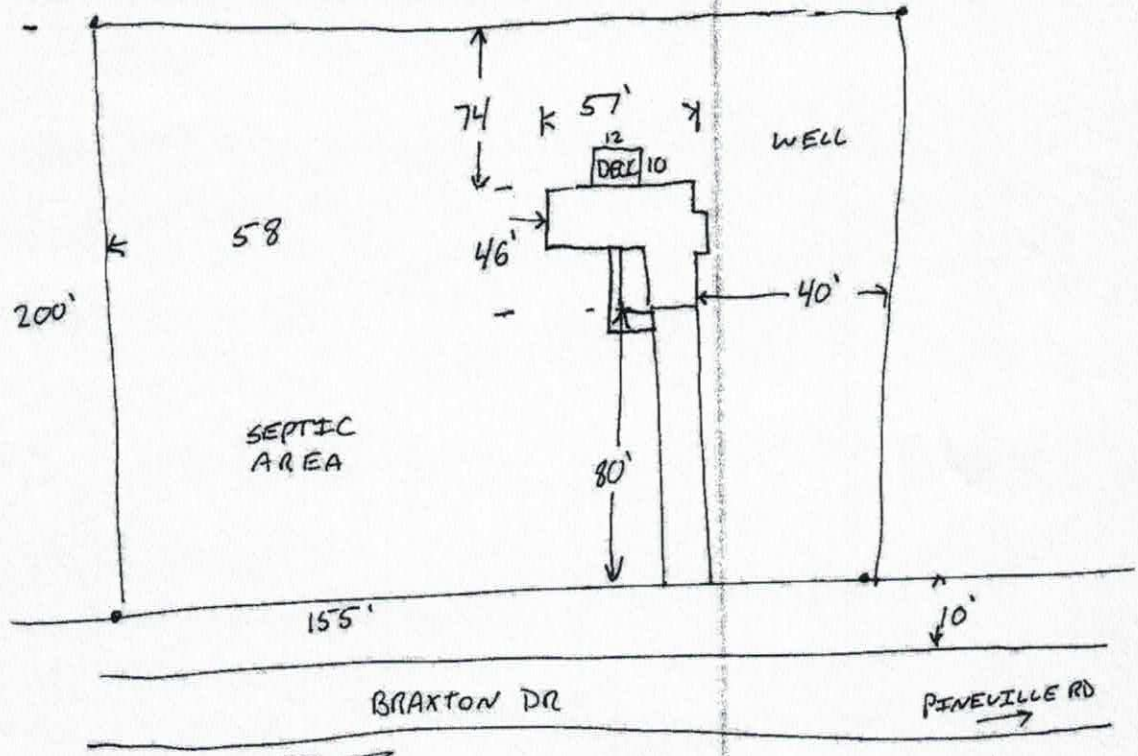



**Circle N/A on the following if appropriate:**

| | |
|---|---|
| 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 |

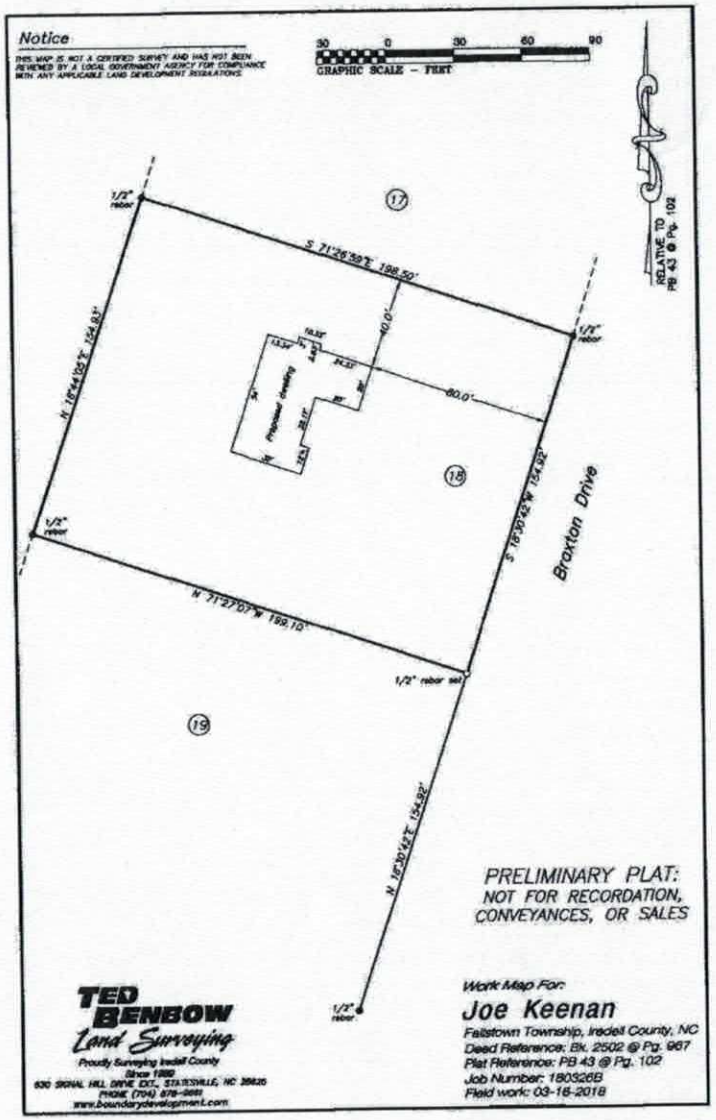
## USE THIS SPACE TO DRAW YOUR SITE PLAN

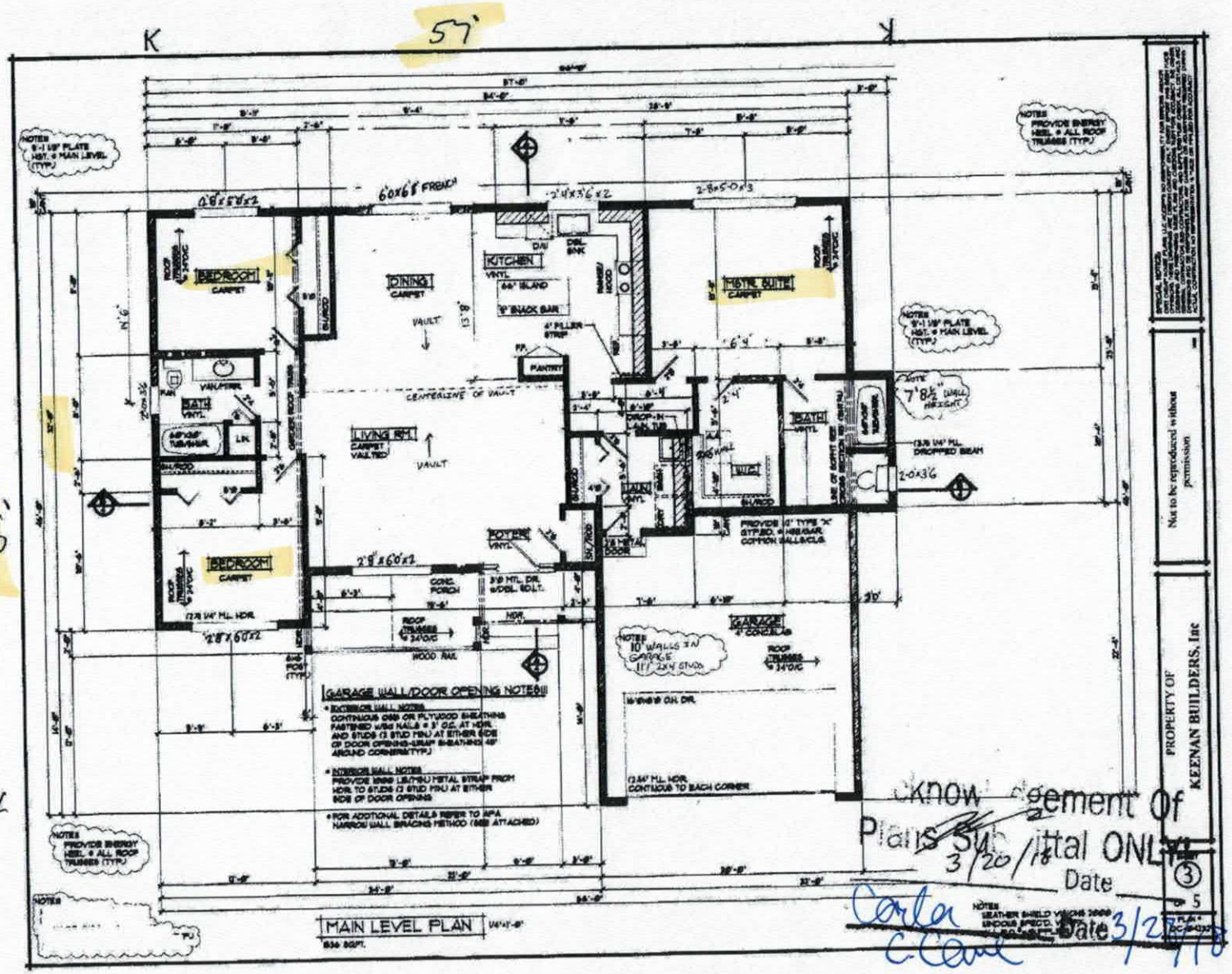
***Show: proposed house or business footprint, wells, water lines, patios, pools and decks, and any other item that will occupy space on the site***



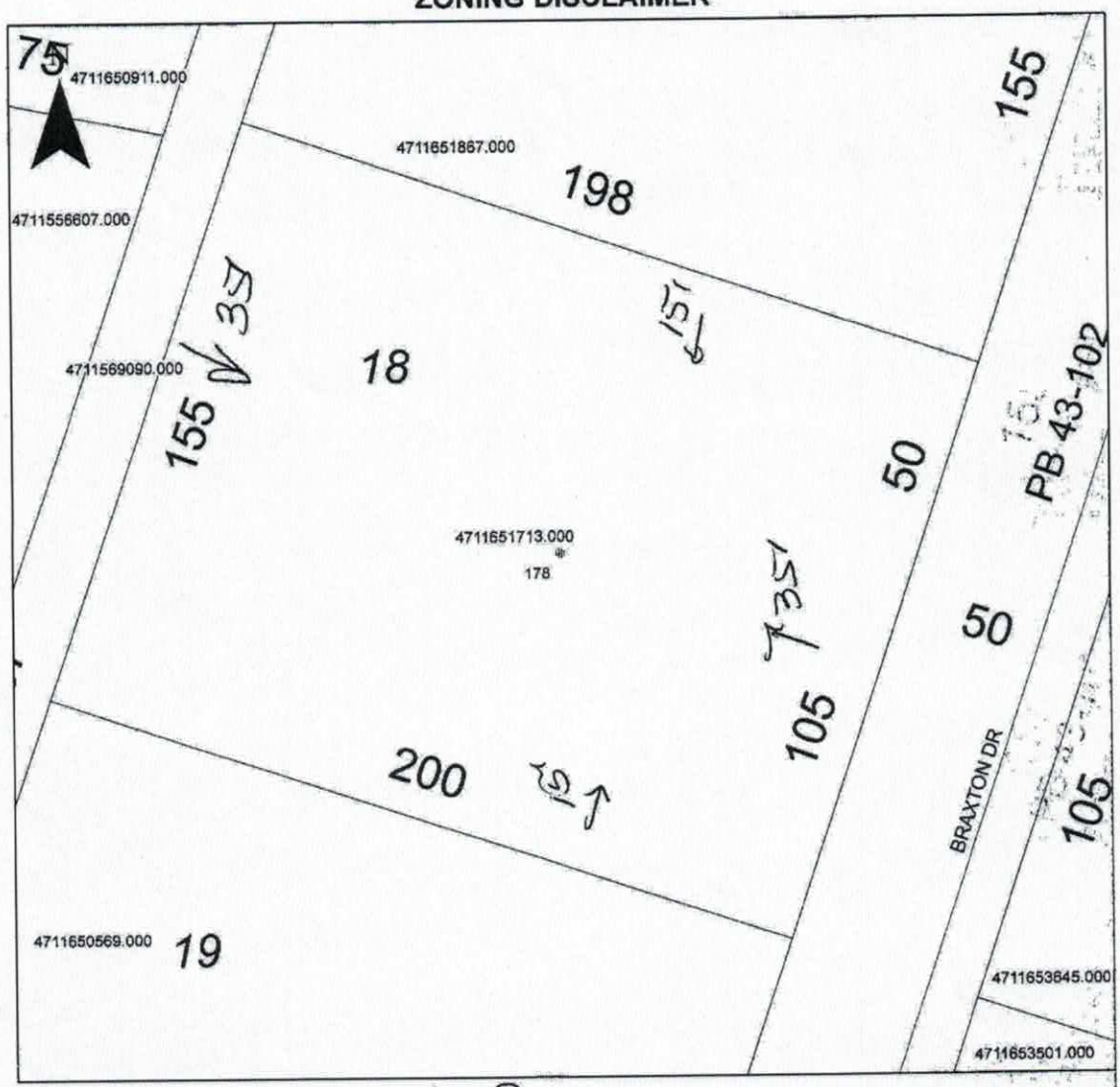

**Signature:** _____
Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

3 20 17
DATE


Notice
THIS MAP IS NOT A CERTIFIED SURVEY AND HAS NOT BEEN REVIEWED BY A LOCAL GOVERNMENT AGENCY FOR COMPLIANCE WITH ANY APPLICABLE LAND DEVELOPMENT REGULATIONS.
30 0 30 60 90
GRAPHIC SCALE – FEET
RELATIVE TO PB 43 @ Pg. 102
17
18
19
1/2" rebar
1/2" rebar set
1/2" rebar
1/2" rebar
S 71°26'39"E 198.50'
N 18°44'05"E 134.83'
N 71°27'07"W 199.10'
S 18°30'42"W 134.82'
N 18°30'42"E 134.82'
40.0'
80.0'
Proposed dwelling
Broxton Drive
PRELIMINARY PLAT:
NOT FOR RECORDATION,
CONVEYANCES, OR SALES
TED BENBOW
Land Surveying
Proudly Surveying Iredell County
Since 1988
630 SIGNAL HILL DRIVE EXT., STATESVILLE, NC 28625
PHONE (704) 878-9881
www.boundarydevelopment.com
Work Map For:
Joe Keenan
Fallstown Township, Iredell County, NC
Deed Reference: Bk. 2502 @ Pg. 967
Plat Reference: PB 43 @ Pg. 102
Job Number: 180326B
Field work: 03-16-2018


K
57'
K
A
46'
V
MAIN LEVEL PLAN
836 SQFT.
GARAGE WALL/DOOR OPENING NOTES!!
Plans Submittal ONLY
3/20/18
Date
Carla C. Cook
Date 3/20/18
PROPERTY OF
KEENAN BUILDERS, Inc
Not to be reproduced without permission

## ZONING DISCLAIMER




Property Address 178 Braxton

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.

Applicant

3/20/18
Date