# ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 2023-43049

MW BLDR-2023-37814

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

PIN # 4762 -- 41 -- 1977

APPLICANT/OWNER: Adams Homes APPLICANT ADDRESS: 3401 Saint Vardell Ln, Suite B Charlotte

SITE ADDRESS: 811 Bethesda Rd, Statesville 28677 PHONE: 704-558-4527 ALT. PHONE -

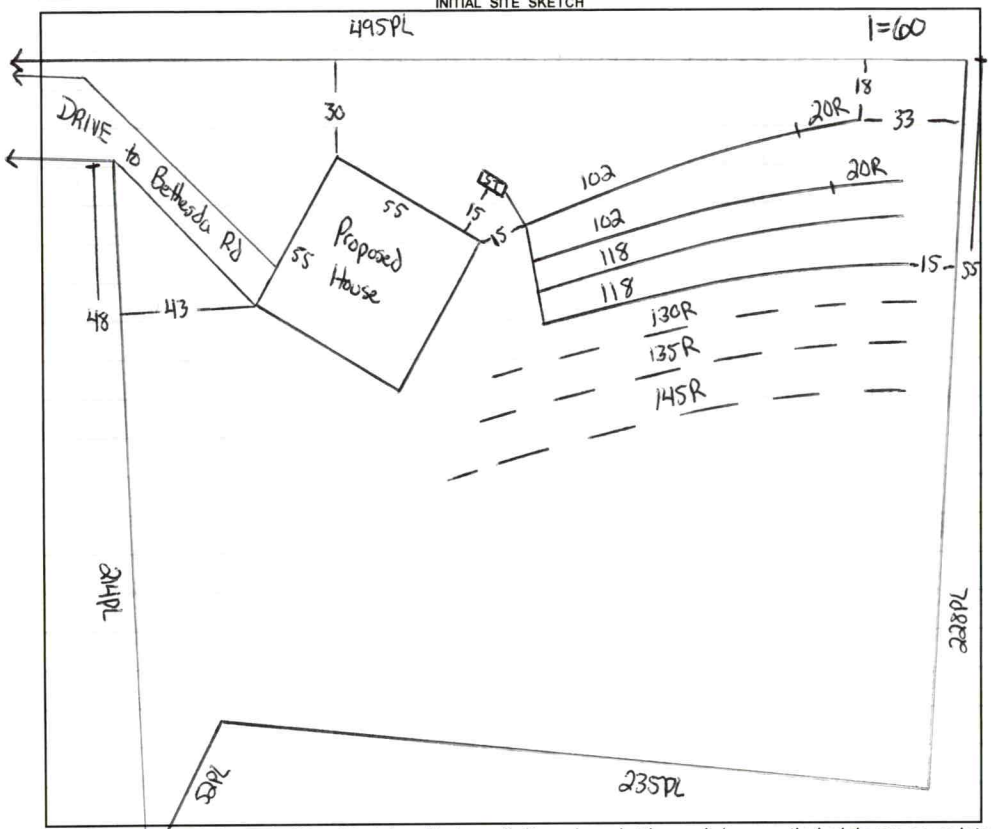
SITE DIRECTIONS: Hwy 70 - Bethesda SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: NorthLake SECTION: 3 LOT # 41 LOT AREA: 1.46 acres DESIGN FLOW: 480 gpd L.T.A.R.: .275

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Septic Tank | 1000 | (gal) | STB | Date | ☒ New System | ☐ Repair | ☐ Expansion | System Type: I II (III) IV V VI | ☒ Residence | No. Bedrooms | 4 | Water Supply |
| Pump Tank | | (gal) | PT | Date | System Description: | 25% reduction | | | ☐ Business | No. Persons | 8 | ☐ Private |
| Pump Make | | Model | | Serial # | Repair System Description: | 25% reduction | | | ☐ Other | No. Employees | | ☒ Public |
| # Nitrification Fields | 1 | # Lines | 4 | Linear Ft 438' | Maintenance Agreement Required: | ☐ YES | ☒ NO | | ☐ Slab | ☒ Crawl Space | | ☐ Community |
| Trench Width | 36 in | Trench Bottom Depth(Low side) | 30 in | Gravel Depth - | ☒ GRAVITY | ☐ PRESSURE | | | ☐ Basement w/plumbing | | | ☐ Basement w/o plumbing |

Comments / Conditions: Install on contour with the land. Do not drive, park, or grade on septic area.

INITIAL SITE SKETCH




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.

Installed as Shown

*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: Online Signature Date: Installed by: Patriot Septic

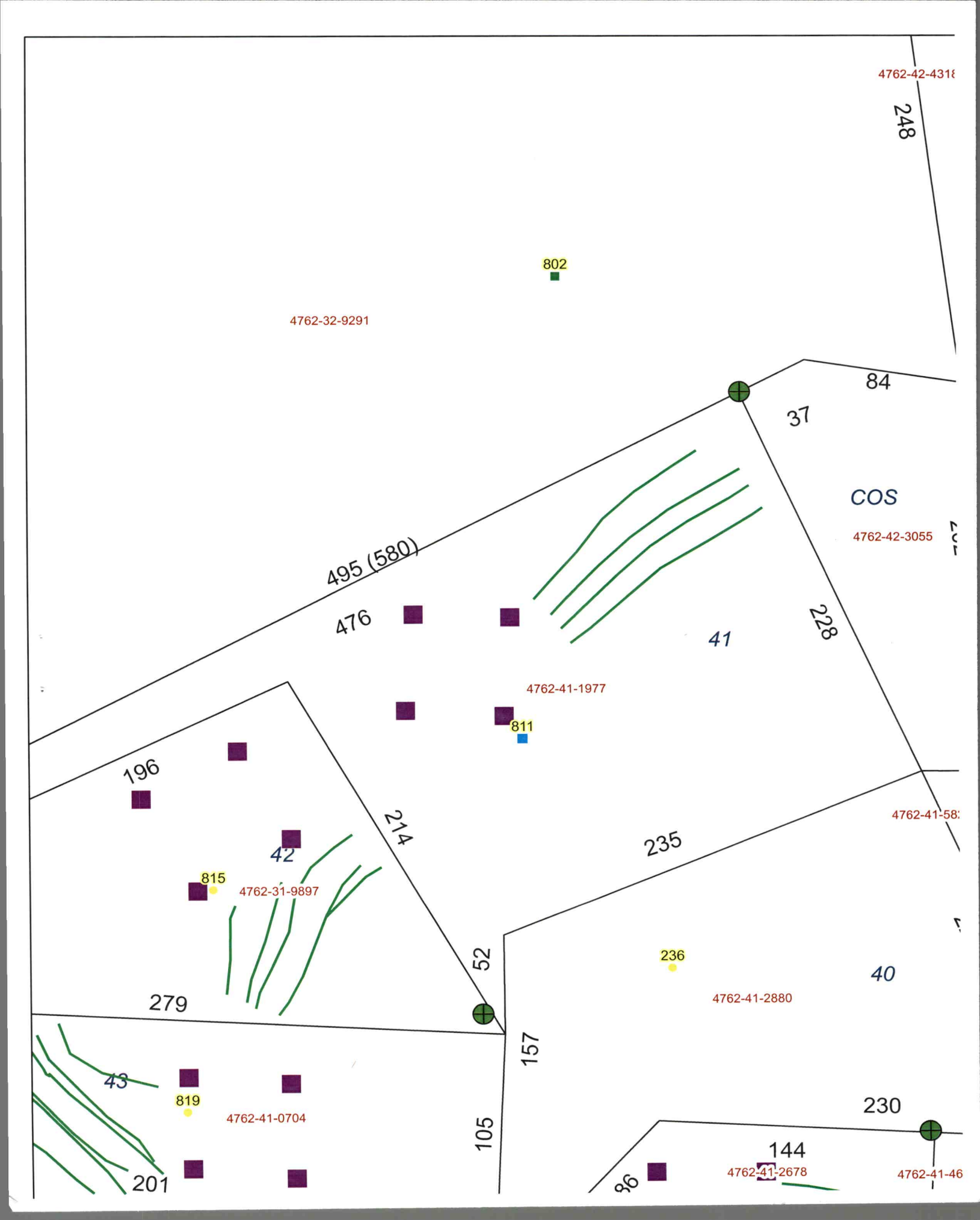
IMPROVEMENT PERMIT by: Cory Hill Date: 1/3/24 OPERATION PERMIT by: Rydney Howard Date: 3/15/24

AUTHORIZATION TO CONSTRUCT by: Cory Hill Date: 1/3/24 Existing System Inspected by: Date:

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

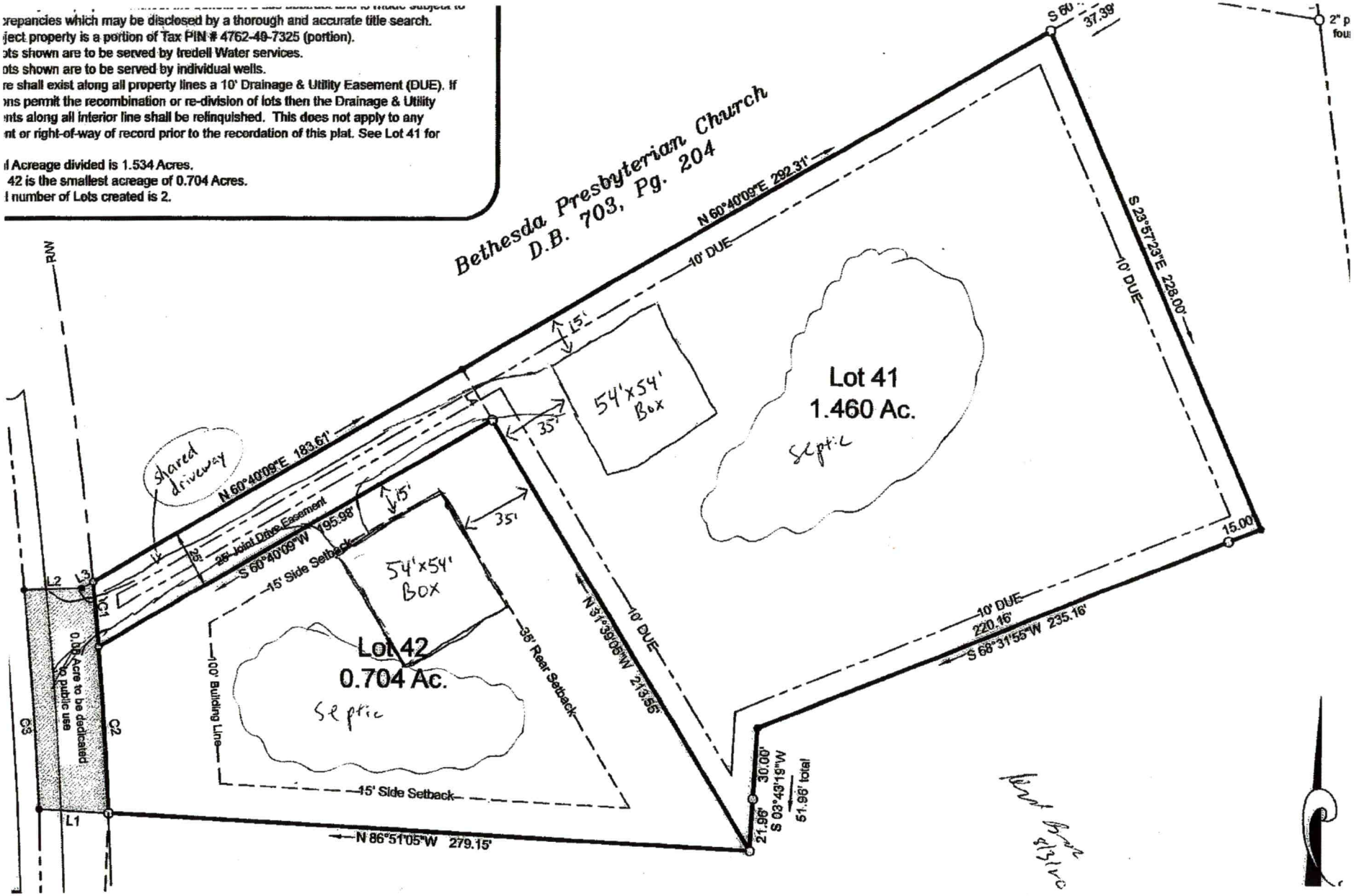
| Item | Date | Initials |
|---|---|---|
| Drain Lines Checked | | |
| Tanks Checked | | |
| Pressure Manifold or Valve Box Checked | | |
| Pressure Head Set | | |
| Electrical Checked | | |
| Floats Set | | |
| Alarm Checked | | |
| Maintenance Contract Needed? Y / N | | |
| Comments: | | |
| | | |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

| 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? _____ | |


4762-42-4318
248
802
4762-32-9291
84
37
COS
4762-42-3055
495 (580)
476
41
228
4762-41-1977
811
196
214
42
815
4762-31-9897
235
4762-41-58
52
236
40
4762-41-2880
279
157
43
819
4762-41-0704
105
230
144
4762-41-2678
4762-41-46
201
96

crepancies which may be disclosed by a thorough and accurate title search.
ject property is a portion of Tax PIN # 4762-49-7325 (portion).
ots shown are to be served by Iredell Water services.
ots shown are to be served by individual wells.
re shall exist along all property lines a 10' Drainage & Utility Easement (DUE). If
ons permit the recombination or re-division of lots then the Drainage & Utility
nts along all interior line shall be relinquished. This does not apply to any
nt or right-of-way of record prior to the recordation of this plat. See Lot 41 for

l Acreage divided is 1.534 Acres.
42 is the smallest acreage of 0.704 Acres.
l number of Lots created is 2.



IREDELL COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

## 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, Arrow Development LLC c/o Rebecca Zolzer, am the legal owner(s) of the property located at 811 Bethesda Road, Statesville, NC 28677, identified as PIN (Parcel Identification Number) ~~4762349897.000~~ 4762411977, located in Iredell County, North Carolina.

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

| Signature of Owner(s) | Date | Signature of Witness | Date |
|---|---|---|---|
| [signature] | 8-3-20 | [signature] | 8-3-20 |

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 PERMITS

***The following items* must be completed *PRIOR* to the *SUBMITTAL of the Improvement Permit (IP) Authorization to Construct (AC) / Existing System application packet.***

*** Initial each statement to indicate you have read and agree. ***

**Lot 41**

✓ **Complete all Environmental Health forms**: septic system application, site plan, new well water application (if applicable), and sign this green sheet **after** you have completed all items. Include a copy of the site Zoning Permit. NOTE: *A Zoning Permit is not required for septic system repairs or expansion where no addition is being made to an existing structure.* All applications requiring zoning must submit completed paperwork and applicable fees to *CENTRAL PERMITTING* before any name will be placed on the service request (appointment) list. Applications not requiring zoning may be submitted and paid for at Central Permitting in Statesville OR the Mooresville office of Environmental Health. Only properly completed applications will be placed on the service request list on a first come, first serve basis. **Incomplete applications will be returned to the applicant.**

✓ **Lots must be cleared** to allow access and provide good visibility. Structure footprint must be visible and adequate area for septic drain field and repair area must be cleared sufficiently to provide staff room to move about freely, shoot laser level elevations as well as test soil with hand auger, etc. **If they cannot access the lot, you will incur a $100 revisit fee AFTER clearing the lot before Environmental Health will return to the site.**

✓ Clearly **mark all property corners by locating existing iron or concrete markers**. Flag all property lines every twenty-five feet if adjacent corners are not visible when standing on any given corner. Property lines must be flagged by a licensed NC surveyor and easily identified. 'Mow lines' and/or fence lines do NOT constitute marked lines.

✓ **Stake or flag the footprint of the proposed building structure or addition to match site plan application**. Without a footprint Environmental Health cannot determine the location and size of a proposed septic system.

N/A Where an **Authorization to Construct (AC) is desired**, submit a recorded copy of the plat for the subdivision lot and include a legible copy of the basic floor plan not larger than 11" x 17" for each floor in the structure. Be sure to include any decks, porches, etc.

✓ In the event that backhoe pits are required for soil evaluation (which cannot be determined until Environmental Health staff arrive to test soil) understand that **you are responsible for securing these services.** This may delay the permitting process, but will not result in the application being returned to the bottom of the work list. You must coordinate with the Environmental Health Specialist when test pits are to be dug. The application will be worked back into the schedule as quickly as possible.

***Any site not meeting the above requirements when staff arrives for the evaluation will result in a $100 site revisit fee and the request being returned to the bottom of the service request list. 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.***

**By signing below I am acknowledging the above specifications have been met and the site is READY to be evaluated.**

**Signature** _____ **Date** 8-3-20

Questions? Call between 8:00-9:00a.m., to speak with a Registered Environmental Health Specialist.

**Statesville Office**
349 North Center Street
(2nd Floor-Building Standards)
Statesville, NC 28677-4063
Phone: (704)878-5305 ext. 3456
This office closes for lunch 1:00 – 2:00 daily.

**Mooresville Office**
610 East Center Avenue
(2nd Floor-Government Center South)
Mooresville, NC 28115-2548
Phone: (704)660-3625
This office closes for lunch 12-1:00 daily.

IREDELL COUNTY · NC

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

| APPLICATION NUMBER |
|---|
| **309666**<br>Issue Date: |

**Permit Type: ZONING**

| Parcel Number | Street Address | Jurisdiction |
|---|---|---|
| 4762411977.000 | 811 BETHESDA RD | Iredell County |

| Owner Information | Applicant Information |
|---|---|
| Name: ARROW DEV LLC | Name: ARROW DEV LLC |
| Address: | Address: 1518 MECKLENBURG HWY #512 |
| , | MT MOURNE, NC 28123 |
| Phone: | Phone: (817)818-4000 |

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

| Lot Acreage | F Setback | B Setback | L Setback | R Setback | Watershed | Flood Zone |
|---|---|---|---|---|---|---|
| 1.46 | 35 | 35 | 15 | 15 | N/A | NO |

| Remarks |
|---|
| SFD |

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

**Date:** 08/04/2020

Signature of Owner/Contractor

| Permit Number | 309666 | TOTAL FEES: | $77.25 |
|---|---|---|---|

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: Arrow Development
ADDRESS:
PROPOSED FACILITY: 4BR Home
LOCATION OF SITE: 811 Bellingham
PROPOSED DESIGN FLOW (.1949): 480
WATER SUPPLY: ☐ Private ☑ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☐ Auger Boring ☑ Pit ☐ Cut
TYPE OF WASTEWATER: ☑ Sewage ☐ Industrial Process ☐ Mixed

APPLICATION DATE: 6/3/22
DATE EVALUATED: 10/11/22
PROPERTY SIZE: 1.7 Ac
PROPERTY RECORDED: Yes

| 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 | OTHER PROFILE FACTORS .1943 SOIL DEPTH | OTHER PROFILE FACTORS .1956 SAPRO CLASS | OTHER PROFILE FACTORS .1944 RESTR HORIZ | PROFILE CLASS & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Side | 0-7 | TOP SL | SS SP FR Slag | 2.5YR 4/6 | 55 | — | ✓ | PS .30 |
| | | 7-18 | C SBK | SS SP FR | | | | | |
| | | 18-55 | CL MPM | SS SP FR | | | | | |
| 2 | " | 0-10 | SL Top | | PS | 50 | — | ✓ | PS .30 |
| | | 10-30 | C | CL | | | | | |
| | | 30-50 | CL | | | | | | |
| 3 | " | 0-5 | SL GR Top | | PS | 62 | ✓ | ✓ | PS .30 |
| | | 5-22 | C | CL | | | | | |
| | | 22-62 | CL | | | | | — | |
| 4 | " | 0-3 | SL | | PS | 60 | ✓ | ✓ | PS .275 |
| | | 3-20 | C | CL | | | | | |
| | | 20-60 | CL | | | | | | |

| DESCRIPTION | INITIAL SYSTEM | REPAIR SYSTEM |
|---|---|---|
| Available Space (.1945) | 438 | 438 |
| System Type(s) | III - 25% | III - 25% |
| Site LTAR | .275 | .275 |

OTHER FACTORS (.1946): —
SITE CLASSIFICATION (.1948): P
EVALUATED BY: B Hunt
OTHER(S) PRESENT:

COMMENTS:

# LEGEND

*use the following standard abbreviations*

| LANDSCAPE POSITION | GROUP | SOIL TEXTURE | CONVENTIONAL .1955 LTAR* | LPP .1957 LTAR* | MINERALOGY/ CONSISTENCE | STRUCTURE |
|---|---|---|---|---|---|---|
| CC (Concave Slope) | I | S (Sand) | 1.2 - 0.8 | 0.6 - 0.4 | SEXP (Slightly Expansive) | G (Single Grain) |
| CV (Convex Slope) | | LS (Loamy Sand) | | | EXP (Expansive) | M (Massive) |
| D (Drainage Way) | | | | | | CR (Crumb) |
| DS (Debris Slump) | II | SL (Sandy Loam) | 0.8 - 0.6 | 0.4 - 0.3 | | GR (Granular) |
| FP (Flood Plain) | | L (Loam) | | | | SBK (Subangular Blocky) |
| FS (Foot Slope) | | | | | | ABK (Angular Blocky) |
| H (Head Slope) | III | Si (Silt) | 0.6 - 0.3 | 0.3 - 0.15 | | PL (Platy) |
| L (Linear Slope) | | SiCL (Silty Clay Loam) | | | | PR (Prismatic) |
| N (Nose Slope) | | CL (Clay Loam) | | | | |
| R (Ridge) | | SCL (Sandy Clay Loam) | | | **MOIST** | **WET** |
| S (Shoulder Slope) | | SiL (Silt Loam) | | | | |
| T (Terrace) | | | | | VFR (Very Friable) | NS (Non-sticky) |
| | IV | SC (Sandy Clay) | 0.4 - 0.1 | 0.2 - 0.05 | FR (Friable) | SS (Slightly Sticky) |
| | | SiC (Silty Clay) | | | FI (Firm) | S (Sticky) |
| | | C (Clay) | | | VFI (Very Firm v. Very Sticky) | VS (Very Sticky) |
| | | O (Organic) | None | None | 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/ft$^2$

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

