ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # AP 321540

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

PIN # 4762 -- 33 -- 9432

APPLICANT/OWNER: Inwood Homes Garrison Davis APPLICANT ADDRESS: 631-300 Brawley School Rd Mooresville NC 28117.

SITE ADDRESS: 739 Bethesda Rd Statesville NC 28677 PHONE: ALT. PHONE

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

SUBDIVISION: Harmons East SECTION: - LOT # 3 LOT AREA: .792 Ac DESIGN FLOW: 360 L.T.A.R.: .30

Septic Tank 1000 (gal) STB 760 Date 11/29/21

Pump Tank (gal) PT Date

Pump Make Model Serial #

Nitrification Fields 1 # Lines 3 Linear Ft. 300

Trench Width 36 in Trench Bottom Depth(Low side) 30 in Gravel Depth -

☒ New System ☐ Repair ☐ Expansion System Type: I II III IV V VI

System Description: Gravity - 25% Reduction

Repair System Description: LP-PPBPS - 50% Reduction

Maintenance Agreement Required: ☐ YES ☒ NO

☒ GRAVITY ☐ PRESSURE

☒ Residence No. Bedrooms 3

☐ Business No. Persons 6

☐ Other No. Employees

☒ Slab ☐ Crawl Space

☐ 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:

Soil & Forestry Services of the Carolinas, PA

LSS # 1231 Dated Oct 5, 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.

Installed as Drawn

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: 10/21/21

IMPROVEMENT PERMIT by: Benjamin A Boothe Date: 10/19/2021

AUTHORIZATION TO CONSTRUCT by: Benjamin A Boothe Date: 10-21-21

Installed by: (Russell Williams) Wastewater Solutions Division

OPERATION PERMIT by: Cory Whitt Date: 2/2/22

Existing System Inspected by: Date:

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

Paved Road
Bethesda Road S.R. #235
L7
L8
L9
L10
L11
L12
L13
NORTH
1"= 40'
DRIVE
35' FS
55'
42.8'
Lot #3
0.792 Acres
34,492 SF
32'
49.7'
HOUSE
44'
15' SS
10'
9'
ST
25'
20'
POOL
18'
Shared Driveway Access for Lots 3, 4, 5 & 6
S88° 14' 06"E
250.00'
N88° 14' 06"W
207.92'
1 Y 102'
2 B 97' (96')
3 P 132' (102')
4 R 81'
5 D 103'
6 Y 80'
150.00'
N1° 45' 54"E
S88° 14'
553.3
L20
137.7'
7 D
8 Y
9
10 P
N88°

PROPERTY ID #: 4762339432
COUNTY: Iredell

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

OWNER: PBT Properties LLC
ADDRESS:
APPLICATION DATE
DATE EVALUATED: 7/27/21
PROPOSED FACILITY: 3BR
PROPOSED DESIGN FLOW (.1949): 360 gpd
PROPERTY SIZE: 0.79
LOCATION OF SITE: 739 Bethesda Rd, Statesville NC 28677 Lot 3
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	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
B 1	L/5%	0 – 6	RBscl wfsbk	FrSSSPSExP		50	—	—	PS 0.3
		6-50	Rcwmsbk	" " " "					
B 2	L/6%	0 – 6	Bscl wfsbk	FrSSSPSExP		50	—	—	PS 0.3
		6-50	Rcwmsbk	" " " "					
B 3	L/6%	0 – 13	Bscl wfsbk	FrSSSPSExP		50	—	—	PS 0.3
		13-50	Rcwmsbk	" " " "					
4									

Samuel A. Rollans
LICENSED SOIL SCIENTIST
1231

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	Accepted 25%Rd	PPBPS w/low pressure
Site LTAR	0.3	0.3

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

COMMENTS:

GRAVITY ACCEPTED SYSTEM
FOR WASTEWATER TREATMENT

Owner/Applicant:	TruNorth Homes, LLC
Address:	631-300 Brawley School Rd Mooresville, NC 28117
Phone:	
County:	Iredell
Location:	739 Bethesda Rd 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:	300	
Loading Rate (gpd/ft.^{2}):	0.3	
Depth of Gravel in Trench:	N/A	
Gravel Size:	N/A	
Max.Trench Depth (LOW SIDE):	30 in.	Repair Trench Bottom 30 in.
Trench Width:	36 in.	
Septic Tank Size:	1000	
Estimated Supply Line Length:	40	
Supply Line Diameter:	4 in. SCH 40 PVC	
Supply Line Volume:	26.12	
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	

739 Bethesda Rd

ACCEPTED SYSTEM

DESIGN FLOW (gpd):	360
SOIL APPLICATION RATE (gpd/ft.^{2}):	0.3
TOTAL AREA TRENCH BOTTOM:	900
TOTAL LATERAL LENGTH:	300
NUMBER OF FIELDS:	1
LATERAL LENGTH REQUIRED PER FIELD:	300
SUPPLY LINE LENGTH:	40
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 - 739 Bethesda Rd

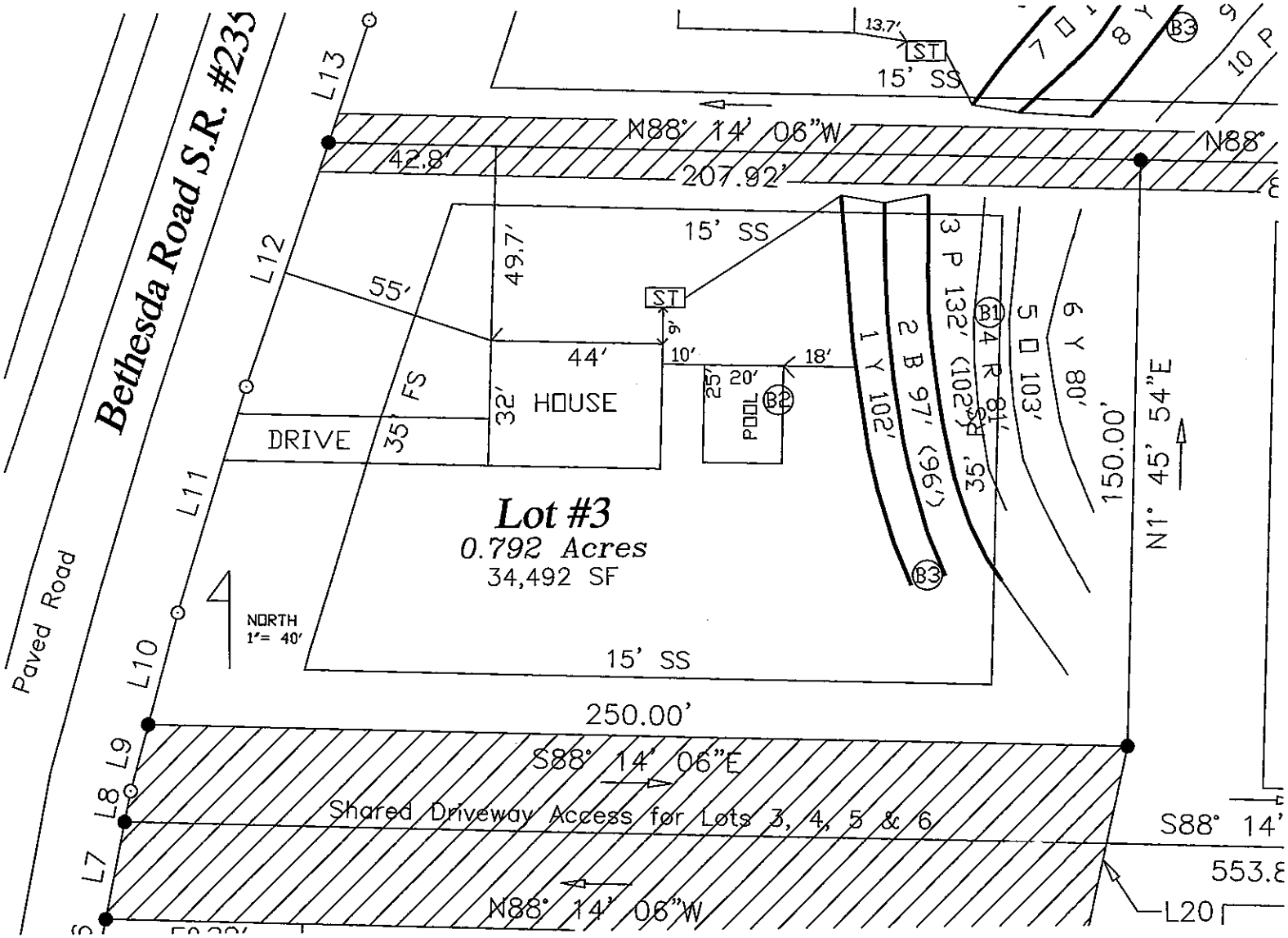
Project #: 21-0061

LAYOUT FOR 3 BEDROOM HOME — September 16, 2021

LINE #	FLAG COLOR	BS	HI	FS	ELEVATION	FLAGGED LINE LENGTH	DESIGN LINE LENGTH
TBM							
INSTR. 1							
1	***YELLOW***					***102***	***102***
2	***BLUE***					***97***	***96***
3	***PINK***					***132***	***102***
4	RED					81	81
5	ORANGE					103	103
6	YELLOW					80	80
					Total	595	564

	LINE LENGTH	LTAR GPD/FT2	SYSTEM TYPE	SOIL LTAR GPD/FT2	TRENCH SYSTEM	DISTRIBUTION
**** System***	***300***	***0.300***	***ACCEPT.***	***0.300***	***25% RED***	***GRAVITY***
Repair	264	0.300	MOD. CONV.	0.300	50% RED	LOW PRESSURE

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 were located by a Professional Land Surveyor.


Bethesda Road S.R. #235
Paved Road
L13
L12
L11
L10
L9
L8
L7
L20
13.7'
ST
15' SS
N88° 14' 06"W
42.8'
207.92'
N88°
15' SS
49.7'
55'
ST
9'
10'
18'
44'
32' HOUSE
DRIVE
35' FS
25'
20'
POOL
B2
1 Y 102'
2 B 97' (96')
3 P 132' (102' SR
4 R 81'
5 □ 103'
6 Y 80'
35'
B1
B3
150.00'
N1° 45' 54"E
Lot #3
0.792 Acres
34,492 SF
NORTH
1"= 40'
15' SS
250.00'
S88° 14' 06"E
Shared Driveway Access for Lots 3, 4, 5 & 6
N88° 14' 06"W
S88° 14'
553.8

CALCULATIONS

Location	739 Bethesda Rd Statesville, NC 28677	
Project Number	21-0061	
Lot No:	3	
No. of Bedrooms	3	
Design Flow	360	$^{gal}/_{day}$
LTAR	0.300	$^{gal}/_{ft^2\,day}$
PPBPS? (YES OR NO)	NO	
Supply Line Length	40	ft.
Supply Line Volume	26.12	gal.
Required Feet of Line	300	ft.
Amount of Line from Layout	300	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.

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

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.

SOIL & FORESTRY SERVICES
OF THE CAROLINAS, PA

www.soilandforestryservices.com

Project#: 21-0061
October 5th, 2021

TRUNORTH HOMES, LLC
Attn: *Garrison Davis*
Email: garrison@trunorthhomes.com

RE: Soil& Site Evaluation for a 3 Bedroom Residence at 739 Bethesda Road (LOT3Harmons East), Statesville, NC 28677, PIN # (4762339432), Iredell County.

Mr. Davis:

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 mostly open. Topography within the evaluated area was gently slopenear the house site and proposed drainfield area. Property lines and corners were marked at the time of the evaluation by Piedmont Design Associates, PA. The Surveyor provided an Autocad File of the survey as a basemap. The proposed septic layout was located via measuring tape/GPS and used to produce the attached *Site Plan*. The house envelope location was provided by TruNorth Homes. The attached Survey/Site Plan provided has the setbacks and acreage.

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 three boring locations on the property flagged and located via GPS. Two of the three soil borings are located in the proposed septic layout and the other boring in close proximity to the 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 eachboring. An on-ground layout of system and repair was performed using a laser level. Pin flag locations of the layout were also located by tape measure and GPS. Detailed system & repair information is summarized in the following paragraph for this Lot.

DocuSign Envelope ID: BF0C5297-6C12-47F5-8AEE-C4BF2C5C08E4

739 Bethesda Road (*See Attached Design*)
The septic layout for this lot (9' centers) yielded a total of 595 linear feet of line. The primary system is proposed as 300 linear feet of Accepted (25% Reduction) drainfield with gravity distribution. Trench depth is specified at 30 inches (LOW SIDE). The repair system is proposed as 200 linear feet of Modified Conventional (50% Reduction) drainfield with low pressure distribution. Trench depth is specified at 30 inches (LOW SIDE). There is 264 linear feet of repair available.

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

Signature DocuSigned by: 610E1C1A39D045E...

10/8/2021

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 at 739 Bethesda Road, Statesville, NC 28677 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,

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

739 Bethesda Road (*See Attached Design*)
The septic layout for this lot (9' centers) yielded a total of 595 linear feet of line. The primary system is proposed as 300 linear feet of Accepted (25% Reduction) drainfield with gravity distribution. Trench depth is specified at 30 inches (LOW SIDE). The repair system is proposed as 200 linear feet of Modified Conventional (50% Reduction) drainfield with low pressure distribution. Trench depth is specified at 30 inches (LOW SIDE). There is 264 linear feet of repair available.

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_____
Signature_____ _____

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 at 739 Bethesda Road, Statesville, NC 28677 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,



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 739 Bethesda Rd, Lot 3, Harmons East Subdivision PIN#(4762339432) 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

Septic Application---------- 8-9

Zoning Permit---------- 11-13

Agent Authorization---------- 14

Green Sheet---------- 15

Floor Plans---------- 16

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

September 16, 2021
Project #: 21-0061
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 50% reduction (PPBPS.) w/ low pressure distribution .

RECEIVED OCT 1 1 2021

Paid $500.00 - Session Law

AP-321540

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

APPLICATION FORM

Application For: ( ) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
(X) 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: TruNorth Homes LLC/Garrison Dees **Address:** 631-300 Brawley School Rd, Mooresville NC **Zip:** 28117

Applicant Email: garrison@trunorthhomes.com **Phone:** 704-363-2945 **Alt. Phone:**

Owner Name: PBT Properties **Address:** **Zip:**

Owner Email: **Phone:** **Alt. Phone:**

Property Information:

Street Address: 739 Bethesda Rd, Statesville NC 28677

Subdivision Name: Harmons East **Section/Phase:** **Lot Number:** 3

Driving Directions: Hwy 70, Bethesda Rd

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

CHECK FOUNDATION TYPE

(✓) 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:

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

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

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

( ) New Well ( ) Existing Well ( ) Community Well ( ) 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: _____ 9/21/21
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

DocuSign Envelope ID: BF0C5297-6C12-47F5-8AEE-C4BF2C5C08E4

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, PBT Properties LLC, am the legal owner(s) of the property located at 1739 Bethesda Rd, Statesville NC 28677, identified as PIN (Parcel Identification Number) 4762339432, located in Iredell County, North Carolina.

I do hereby authorize **(print legal representative/company name)** SFS/Ashley Rollins/TRUEWORTH HOMES, 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] 810E7C7A99D08E...	10/8/2021		

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

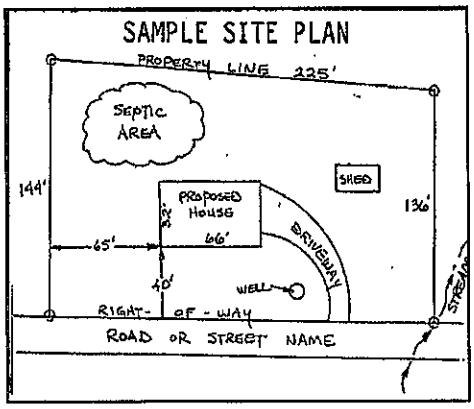
IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

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: Samuel A Hollen

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

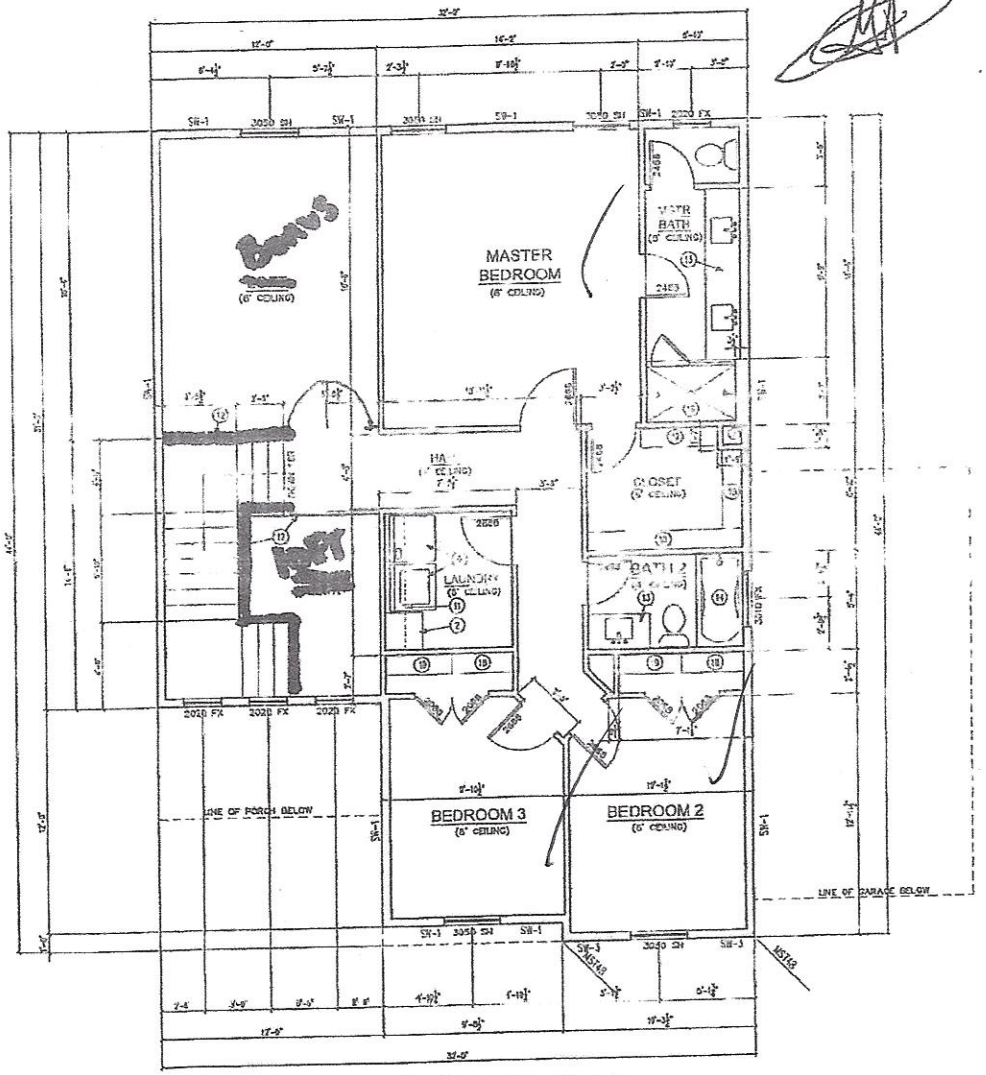
9/21/21

DATE

Lot 3

739 Bethesda Rd

2018 IRC COMPLIANT



UPPER FLOOR PLAN

SCALE: ¼" = 1'-0"

KEY NOTES:

1. 36" WIDE REFRIGERATOR SPACE. (INSTALL WATER LINE)
2. COUNTERTOP OVER 36" HIGH BASE CABINET.
3. UPPER CABINETS (TOP AT 6'-3" A.F.F.)
4. 30" WIDE RANGE WITH HOOD ABOVE (VENT HOOD TO EXTERIOR AND PROVIDE MAKE-UP AIR)
5. DOUBLE SINK WITH DISPOSAL AND 2 TRAYS
6. DISHWASHER
7. LAUNDRY SINK
8. 24" X 36" CRAWL SPACE ACCESS
9. WASHER AND DRYER HOOKUPS (WASHER IS ON THE LEFT)
10. [illegible]
11. SHELF OR CABINETS ABOVE WASHER AND DRYER
12. 36" HIGH RAILING WITH BALUSTERS SPACED SO THAT A 4" SPHERE CAN NOT PASS THROUGH
13. COUNTERTOP OVER 36" HIGH [illegible]
14. 30" X 60" TUB / SHOWER [illegible]
15. 6" X 60" TUB [illegible] ON MARBLE PLATFORM
16. [illegible] MARBLE SHARES WITH [illegible]
17. (4) 16" SHELVES STARTING @ 24" ABOVE FINISHED FLOOR
18. 15" [illegible] AND REG
19. [illegible] SHELVES AND (2) [illegible]
20. CANVAS UTILITY SINK

SHEAR WALL NOTES

ALL EXTERIOR WALLS AND INTERIOR SHEAR WALLS TO BE FRAMED WITH 2X6 STUDS AT 16" O.C. UNLESS OTHERWISE NOTED. ALL EXTERIOR WALLS TO BE SHEATHED WITH 7/16" OSB OR MEDIUM DENSITY PLYWOOD SHEATHING AS NOTED ON PLANS. ALL NAILS SHALL BE STAGGERED AND SHALL EXTEND CONTINUOUS FROM FLOOR TO TOP PLATE FRAMING OR BLOCKING. ALL SHEATHING SHALL EXTEND CONTINUOUS FROM FLOOR TO TOP PLATE FRAMING OR BLOCKING. ALL EDGE NAILS SHALL BE PLACED NOT LESS THAN 1/2" FROM EDGE OF SHEATHING. ALL FIELD NAILS AND BRACE PANEL NAILS SHALL BE PLACED AT 6" O.C. OR LESS AS NOTED. ALL EXTERIOR WALLS AND BRACE PANELS SHALL EXTEND SHEARING WALL FROM AND NAIL TO SILL AND SOLE PLATES AT 6" O.C. UNLESS OTHERWISE NOTED.

SHEAR WALL SCHEDULE

TYPE	SHEATHING	NAIL	EDGE	FIELD	STAPLES ED
TYPICAL	7/16" ONE SIDE	8d	6" O.C.	12" O.C.	16G @ 3" O.C.
SW-1	7/16" ONE SIDE	8d	4" O.C.	12" O.C.	16G @ 2" O.C.
SW-2	7/16" ONE SIDE	8d	3" O.C.	12" O.C.	NOT ALLOWED
SW-3	7/16" ONE SIDE	8d	2" O.C.	12" O.C.	NOT ALLOWED

NOTE: 16 GAUGE STAPLES MAY BE SUBSTITUTED FOR 8d NAILS AT 1/3 SPACING ON TYPICAL AND SW-1.
SW-2 AND SW-3 REQUIRE 3X OR (2) 7X OR JOINING PANEL EDGES.

Acknowledgement of Plans Submittal ONLY

Date 10-21-21

Date 10/21/21

© COPYRIGHT 2018 ARCHWAY DESIGNS L.L.C. REPLICATION OF THESE PLANS STRICTLY PROHIBITED BY LAW FOR ADDITIONAL COPIES OF THESE PRINTS CONTACT ARCHWAY DESIGNS L.L.C. @ 301-455-2408

ARCHWAY DESIGNS L.L.C.
ARCHITECTURAL DESIGN AND DRAFTING
301-455-2408 archwaydesigns@gmail.com

PLAN STATUS
PERMIT SUBMITTAL DATES
1ST PERMIT CORRECTIONS
FINAL PERMIT ISSUED
AS-BUILT
PERMIT NO. DATED

REVISIONS:
DATE:
DATE:
DATE:
DATE:

MASHON BASE PLAN

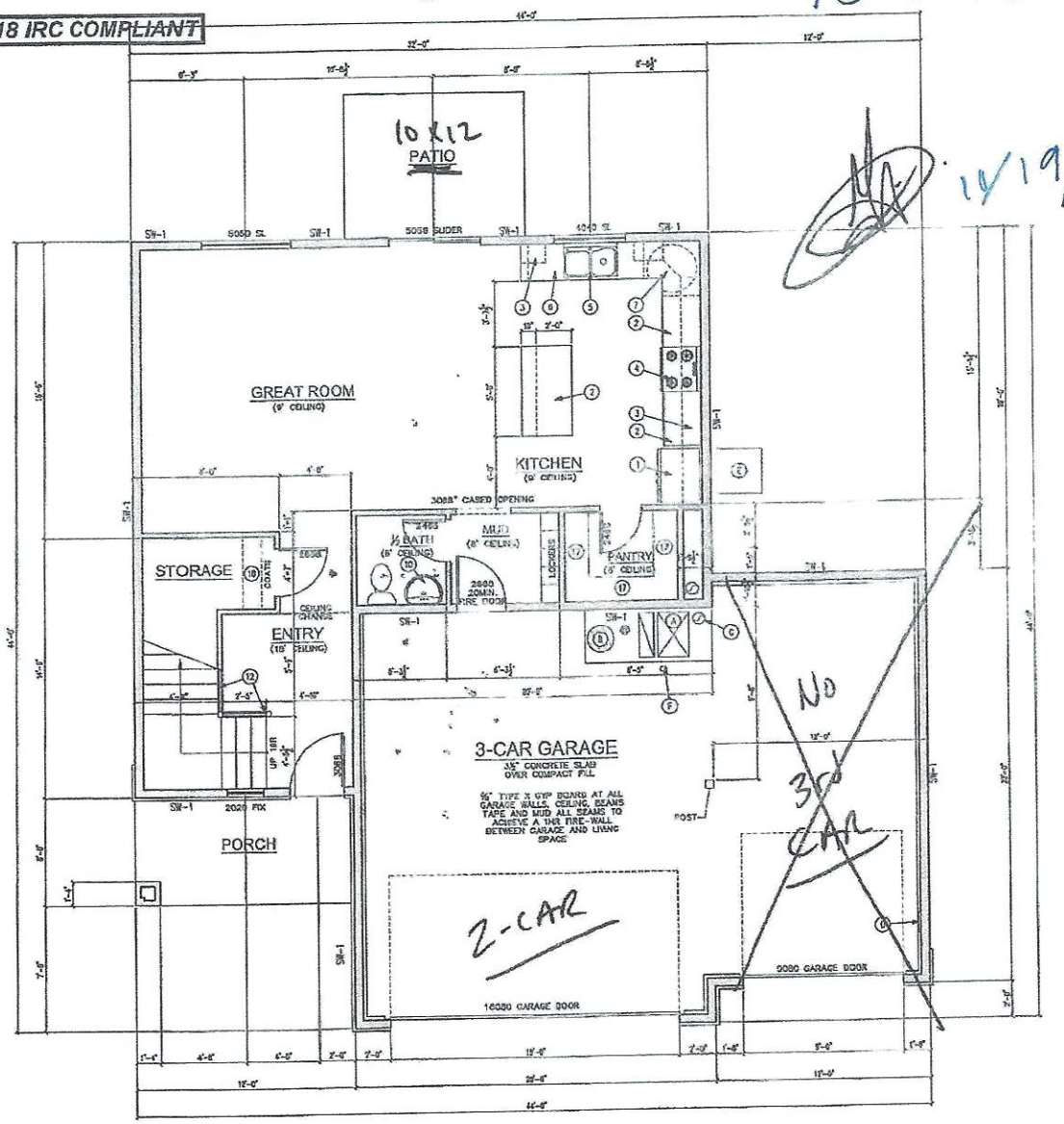
ADDRESS:

PAGE: A 7

Lot 3

739 Bethesda Rd

2018 IRC COMPLIANT



MAIN FLOOR PLAN

SCALE: ¼" = 1'-0"

10/19/21

KEY NOTES:

1. 39" WDE REFRIGERATOR SPACE, (INSTALL WATER LINE)
2. COUNTERTOP OVER 36" HIGH BASE CABINET.
3. UPPER CABINETS (TOP AT 8'-0" A.F.F.)
4. 30" WDE RANGE WITH HOOD ABOVE (VENT HOOD TO EXTERIOR AND PROVIDE AIR INTAKE
5. DOUBLE SINK WITH DISPOSAL AND SPRAYER
6. DISHWASHER
7. LAZY SUZAN
8. 24" X 36" CRAWL SPACE ACCESS
9. WASHER AND DRYER HOOKUPS (WASHER IS ON THE LEFT)
10. PEDESTAL SINK
11. SHELF OR CABINETS ABOVE WASHER AND DRYER
12. 36" HIGH RAILING WITH BALUSTERS SPACED SO THAT A 4" SPHERE CAN NOT PASS THROUGH
13. COUNTERTOP OVER 32" HIGH BASE CABINET
14. 30" X 60" TUB / SHOWER (2.5GPM SHOWER HEAD)
15. 42" X 60" TUB IN TILE OR MARBLE PLATFORM
16. TILE OR MARBLE SHOWER WITH SAFETY GLASS ENCLOSURE
17. (4) 18" SHELVES STARTING @ 24" ABOVE FINISHED FLOOR
18. 12" SHELF AND ROD
19. (2) 12" SLEEVES AND (2) ROD
20. SINGLE UTILITY SINK

SQUARE FOOTAGE SCHEDULE:

FINISH MAIN FLOOR PLAN:	
FINISH UPPER FLOOR PLAN:	
TOTAL FINISHED SQ. FT:	
GARAGE:	
TOTAL PROJECT SQ. FT:	

Acknowledgement Of Plans Submittal ONLY!

Date 10-21-21

Date

SHEAR WALL NOTES

ALL EXTERIOR WALLS AND VERTICAL SURFACES AT STEPS IN ROOF SHALL BE SHEATHED WITH 7/16" APA RATED 24/0 OR BETTER STRUCTURAL WOOD PANELS. BLOCK ALL HORZ EDGES WITH 2" NOM. OR WIDER. 2" OR WIDER FRAMING AT ADJOINING PANEL EDGES AND NAILS SHALL BE STAGGERED WHERE 8d NAILS ARE SPACED 3" O.C. OR LESS. SHEATHING SHALL EXTEND CONTINUOUS FROM FLOOR TO TOP PLATE FRAMING OR UPPER EXT. WALLS. NAILS SHALL BE PLACED NOT LESS THAN 1/2" FROM EDGE OF PANEL AND DRIVEN FLUSH BUT SHALL NOT FRACTURE THE SURFACE OF THE SHEATHING. EXTEND SHEATHING OVER RIM AND NAIL TO RIM AND WALL PLATES 4" O.C.

SHEAR WALL SCHEDULE

TYPE	SHEATHING	NAIL	EDGE	FIELD	STAPLE EQ
TYPICAL	7/16" ONE SIDE	8d	6" O.C.	12" O.C.	16G @ 3" O.C.
SW-1	7/16" ONE SIDE	8d	4" O.C.	12" O.C.	16G @ 2" O.C.
SW-2	7/16" ONE SIDE	8d	3" O.C.	12" O.C.	NOT ALLOWED
SW-3	7/16" ONE SIDE	8d	2" O.C.	12" O.C.	NOT ALLOWED

NOTE: 16 GAUGE STAPLES MAY BE SUBSTITUTED FOR 8d NAILS AT 1/2 SPACING ON TYPICAL AND SW-1.
SW-2 AND SW-3 REQUIRE 3X OR (2) 2X ON JOINING PANEL EDGES.

MECHANICAL KEY NOTES

A. 90% MIN. EFFICIENT DIRECT VENT FURNACE.
B. 40 GALLON GAS WATER HEATER WITH TEMPERATURE SAFETY VALVE.
C. FLUE
D. ELECTRICAL PANEL
E. 13 SEER A/C UNIT
F. 4" DIAMETER STEEL BOLLARD

© COPYRIGHT 2018 ARCHWAY DESIGNS L.L.C. DUPLICATION OF THIS PLAN IS STRICTLY PROHIBITED BY LAW. FOR LEGAL ACTION OF THIS PRINT CONTACT ARCHWAY DESIGNS L.L.C. @ 805-889-7408

ARCHWAY DESIGNS L.L.C.
ARCHITECTURAL DESIGN AND DRAFTING
www.archwaydesigns.com

PLAN STATUS

PRELIMINARY DRAWINGS DATED:

1ST DRAFT DATED:

FINAL DRAFT DATED: 4/3/19

PERMIT SET DATED: 5/16/19

REVISIONS:

DATE:

DATE:

DATE:

DATE:

DATE:

VASHON BASE PLAN

ADDRESS:

PAGE: A 6

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

APPLICATION NUMBER
321540 Issue Date:

Permit Type: ZONING

Parcel Number	Street Address	Jurisdiction
4762339432.000	739 BETHESDA RD	Iredell County

Owner Information	Applicant Information
Name: PBT PROPERTIES LLC	Name: ROLLANS SOIL & ENVIRONMENTAL SERVICES
Address:	Address: 470 NORTH BROAD STREET SUITE D MOORESVILLE, NC 28115
Phone:	Phone: (704)658-1723

Use Requested	Zone Code
Single Family Dwelling	RA

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
0.792	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.

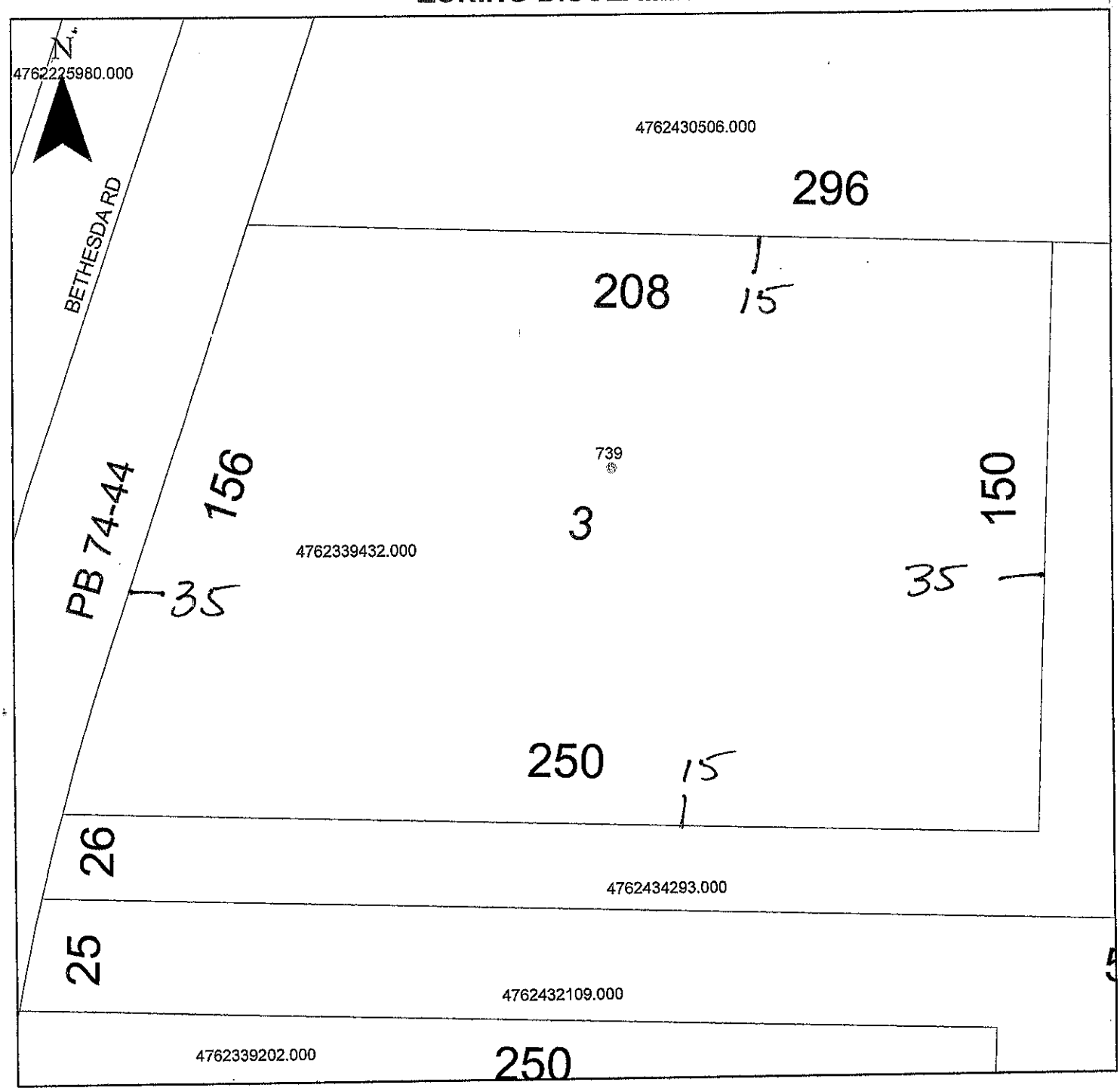
Signature of Owner/Contractor

Date: 09/16/2021

Permit Number	321540

TOTAL FEES:	$77.25

ZONING DISCLAIMER



Property Address 739 Bethesda Rd.

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

9/16/21
Date