KW R. Morgan Homes # 239329 #239329

IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # #239329

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

PIN # 4654860135

APPLICANT/OWNER: Ray Dev/R Morgan Homes APPLICANT ADDRESS: 4643 Mariner Ln Denver, NC 28037

SITE ADDRESS: 108 Manorly Ln Davidson, NC PHONE: 980 297-2787 ALT. PHONE

SITE DIRECTIONS: Hwy 115 S TL Presbyterian TR Sink Farm Rd TR Manorly on Rt

SUBDIVISION: Davidson Downs SECTION: IV LOT # 171 LOT AREA: .69Acre CONTROLLED: ☐ YES ☒ NO DESIGN FLOW: 480gpd L.T.A.R.: .3

Septic Tank 1000 (gal)	STB 760	Date 2-5-20	☒ New System ☐ Repair ☐ Expansion System Type: I II III IV V VI	☒ Residence	No. Bedrooms 4	Water Supply
Pump Tank 1000 (gal)	PT 363	Date 8-24-18	System Description: Pump-PM-25% Reduction	☐ Business	No. Persons 8	☒ Private
Pump Make Myers	Model	Serial #	Repair System Description: PPBPS	☐ Other	No. Employees	☐ Public
# Nitrification Fields 1	# Lines 4	Linear Ft 400	Maintenance Agreement Required: ☐ YES ☒ NO	☐ Slab	☒ Crawl Space	☐ Community
Trench Width 36"	Trench Bottom Depth(Low side) 36"	Gravel Depth N/A	☐ GRAVITY ☒ PRESSURE	☐ Basement w/plumbing	☐ Basement w/o plumbing	

Comments / Conditions: Built house at 35ft setback from front PL.

Use 1/2" sch 40 taps (per plan)

9/16/19 Reviewed Floor plans.

INITIAL SITE SKETCH

See attached, approved Septic plan by Michael Athanas & Assoc. (dated 10/4/18)

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: Installed by: Craig Thompson Grading

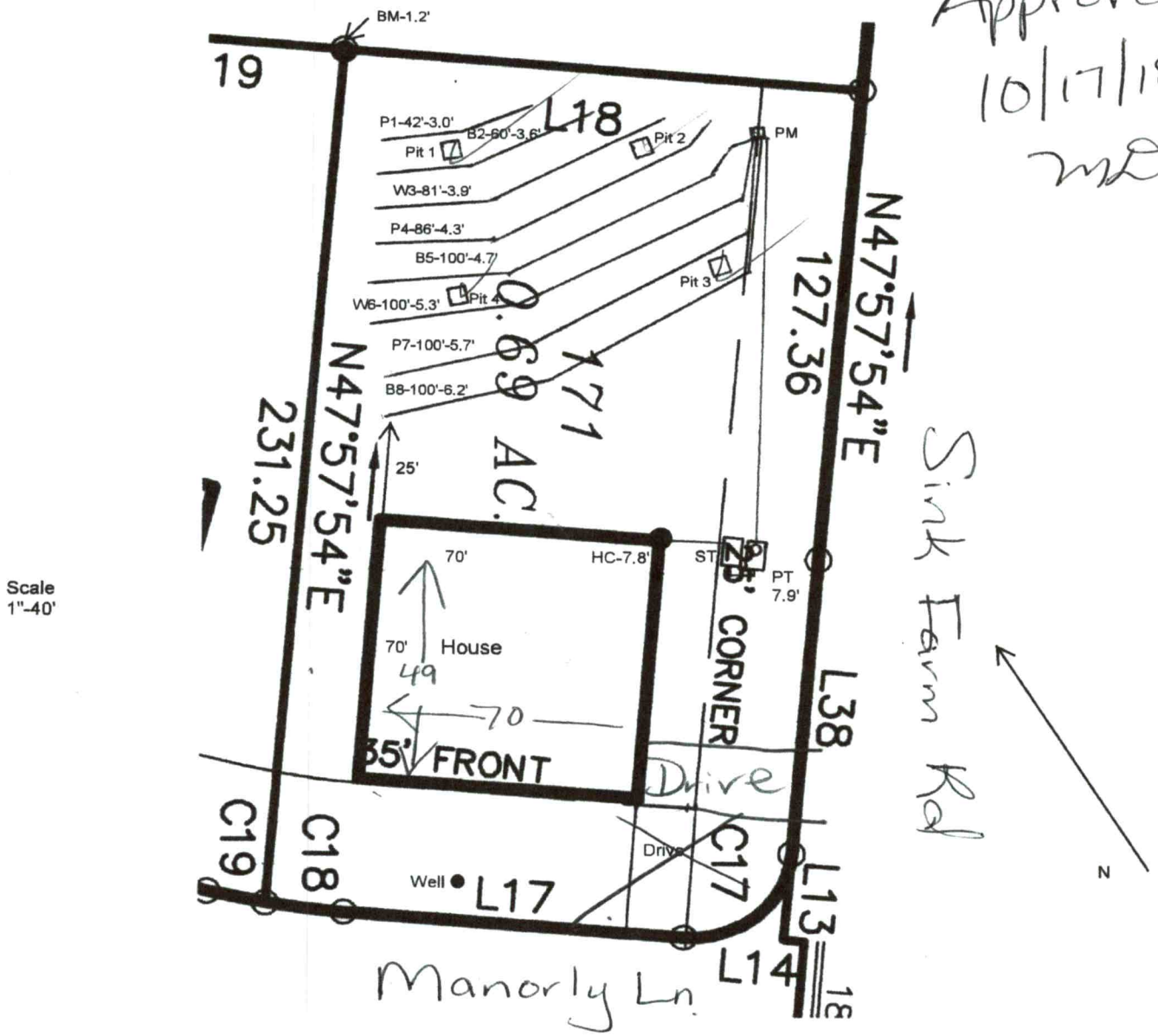
IMPROVEMENT PERMIT by: Maria Dotson Date: 10/17/18 OPERATION PERMIT by: Maria Dotson Date: 5/28/20

AUTHORIZATION TO CONSTRUCT by: Maria Dotson Date: 9/16/19 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.

	Date	Initials
Drain Lines Checked	4-3-20	
Tanks Checked	4-3-20	
Pressure Manifold or Valve Box Checked	4-3-20	
Pressure Head Set	5/28/20	
Electrical Checked		
Floats Set		
Alarm Checked		
Maintenance Contract Y / N		
Comments:		

Approved
10/17/18
MD





MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
561 Ennis Rd.
Weddington, NC 28173
(704) 576-3887

Approved
10/17/18
MD

Reference: Davidson Downs Lot 171, 108 Manorly Ln.
House Footprint: 70' x 70'
Building Setbacks: 35' front/rear, 15' side
Water Source: Private Well
Number of Bedrooms/Daily Flow: 4/480 GPD
Proposed LTAR: 0.3 GPD/FT^2
Proposed System Type: 25% Reduction
Proposed Repair System Type: PPBPS
Distribution: Pressure manifold
Flow per Tap: 7.11 GPM
Tap Size and Material: ½" SCH 40
System Flow: 28.44 GPM
Dosing Volume: 175 gallons
Pump Run Time: 6.2 minutes
Elevation Head: 8.2'
Friction Head: 2'
Pressure Head: 2'
Total Dynamic Head: 12.2'
Supply Line Length: 110' of 2" PVC
Septic/Pump Tank Size: 1000/1000 gallons
Proposed Trench Bottom: 36"



Line	Design Length	Actual Length	Elevation
Pink 1		42'	3.0'
Blue 2		60'	3.6'
White 3		81'	3.9'
Pink 4		96'	4.3'
Blue 5	**100'**	**111'**	**4.7'**
White 6	**100'**	**125'**	**5.3'**
Pink 7	**100'**	**130'**	**5.7'**
Blue 8	**100'**	**130'**	**6.2'**

Initial System: 400'
Repair System: 279'
Pump Tank: 7.9'
House Corner: 7.8'
Benchmark: 1.2'

PROPERTY ID #: _____
COUNTY: _Iredell_

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Approved
10/17/18 mw

OWNER: Ray Development _____ APPLICATION DATE_____
ADDRESS: Denver, NC _____ DATE EVALUATED: _____
PROPOSED FACILITY: _4 bdrm_____ PROPOSED DESIGN FLOW (.1949): _480 GPD___ PROPERTY SIZE: ____0.69 AC_____
LOCATION OF SITE: Davidson Downs Lot 171 _____ PROPERTY RECORDED: _____
WATER SUPPLY: Ξ Private ☐ Public Ξ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☐ Auger Boring Ξ Pit ☐ Cut TYPE OF WASTEWATER: Ξ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
1	LS 6% ✓	0-12	RBr CL WSBK	FR SS SP SXP	Mn	57"	N/A	N/A	PS 0.3
		12-30	R C SBK	FR SS SP SXP					
		30-57	R CL WSBK	FR SS SP SXP					
		Few yellow/brw > 36"							
2	LS 6% ✓	0-5	Br SCL WSBK	FR SS SP SXP	N/A	51"	N/A	N/A	PS 0.3
		5-24	R C SBK	FR SS SP SXP					
		24-51	R CL WSBK	FR SS SP SXP					
3	LS 6% ✓	0-6	RBr CL WSBK	FR SS SP SXP	N/A	50"	N/A	N/A	PS 0.3
		6-24	R C SBK	FR SS SP SXP					
		24-50	R CL WSBK	FR SS SP SXP					
		A little water a bottom of pit							
4	LS 6% ✓	0-20	Br CL WSBK	FR SS SP SXP	Mn	52"	N/A	N/A	PS 0.3
		20-39	R C SBK	FR SS SP SXP					
		39-52	R CL WSBK	FR SS SP SXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1200 FT^2	837 FT^2
System Type(s)	25% Reduction	PPBPS
Site LTAR	0.3	0.3

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____PS_____
EVALUATED BY: _____MA&A_____
OTHER(S) PRESENT: _____

COMMENTS: _____

$350.00 #239329

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

APPLICATION FORM

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

Applicant Information: (PRINT CLEARLY)

Applicant Name: Ray Development LLC **Address:** 4643 Mariner Ln, Denver, NC **Zip:** 28037

Applicant Email: _____ **Phone:** Chris-980-297-2787 **Alt. Phone:** _____

Owner Name: Same **Address:** _____ **Zip:** _____

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

Property Information:

Street Address: 108 Manorly Ln

Subdivision Name: Davidson Downs **Section/Phase:** _____ **Lot Number:** 171

Driving Directions: _____

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

CHECK FOUNDATION TYPE

(✓) New Single Family Residence — Maximum Number of Bedrooms: 4 — (✓) Crawl Space Foundation
( ) New Multi-Family Residence — Maximum Number of Occupants: _____ — ( ) 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 (✓) No Does the site contain any jurisdictional wetlands?
( ) Yes (✓) No Is any non-domestic sewage (i.e. industrial) to be generated?
( ) Yes (✓) 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: _____ 10/4/2018
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

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, Chris Mozeley, am the legal owner(s) of the property located at Davidson Downs Lot 171 108 Manorly Ln, identified as PIN (Parcel Identification Number) _____, located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**) Michael Athanas & Associates, _____, 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

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

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

APPLICATION NUMBER
239329
Issue Date: 10/04/2018

ZONING PERMIT

Residential

Parcel Number	Street Address	Jurisdiction
4654754930.000	108 MANORLY LANE, MOORESVILLE, NC 28115	

Owner Information		Applicant Information	
Owner:	RAY DEVELOPMENT LLC	Applicant:	MICHAEL ATHANAS & ASSO
Address:	4643 MARINER LANE	Address:	561 ENNIS RD
	DENVER, NC 28037		WEDDINGTON, NC 28173
Phone:		Phone:	704-576-3887

Use Requested	Zone Code
SFD	

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
	35.00	35.00	15.00	25.00	NOT	X

Remarks:

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.

Applicant: _____ Date: _____

Permit Number	154552	TOTAL FEES:	$ 77.25