fnw

ICHD Environmental Health Division

INSPECTIONS: 704-664-3703 Statesville Office: (704) 878-5305 x3456 - Mooresville Office: (704) 660-3625

PRIVATE DRINKING WATER WELL PERMIT # 324893 **PIN #** 4740 - 40 - 1156 ✓ **Type of Permit (circle one):** **New** Repair Abandonment

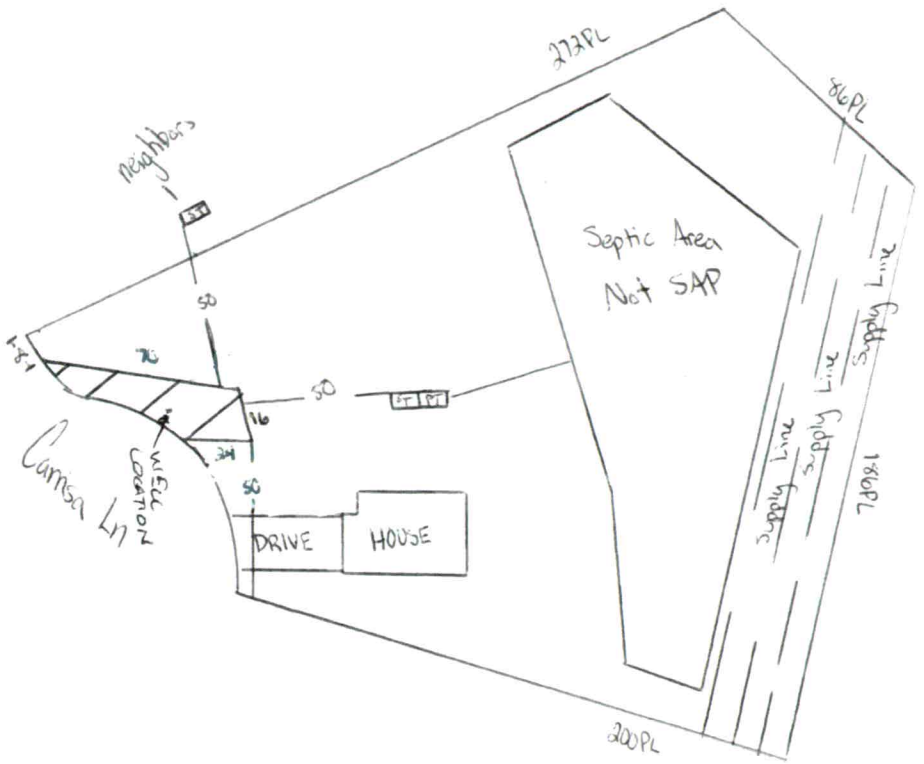
APPLICANT/OWNER NAME: Helmsman Homes LLC ADDRESS: 116 Gasoline Alley, Suite 105 PHONE: 980-500-1251

DIRECTIONS TO SITE: Flower House - Clontz Hill - Ridge Creek - Wiltshire - E Panther Creek - Carrison

SITE ADDRESS: 117 Carrison Ln, Troutman 28166 ✓ SUBDIVISION: Wiltshire Creek ✓ SECTION/LOT: 36 ✓

Initial Site Sketch

1=60



CALL 704-664-3703 for Grout or Well Head Inspections Between 8-9am

GROUTING RESULTS

Total Depth 205FT

Depth of Casing 62FT

Yield 10 GPM

Notes: GROUTED 22FT W/ HIDEPLUG

Emailed 8/1/22

PERMIT CONDITIONS/COMMENTS: Follow all NC well drilling rules

WELL PERMIT ISSUED BY: Cay Wil DATE: 7/26/22 (Permit is valid for 5 years from date issued. This permit may be revoked if it is determined there has been a material change in any fact or circumstance upon which the permit is issued. Actions of the employees of the Iredell County Health Department shall in no way be taken as a guarantee that this well will produce water of any particular quantity or quality or for any amount of time. Employees of the Iredell County Health Department assume no liability for any damages, either direct or consequential which may be caused by this well.)

Well Contractor: B & K CONTRACTOR CERT #: 2670-A GROUT INSPECTION BY: Bishop C White DATE: 9-6-2022

OR CERTIFICATION OF GROUT NOT WITNESSED BY DEPT: DATE: WELL HEAD INSPECTION BY: Cay Wil DATE: 11/7/22

WELL HEAD INSPECTION (check when completed): GROUT TO GROUND SURFACE ☒ WELL CONTRACTOR ID PLATE ☒ PUMP INSTALLER ID PLATE ☒ SAMPLE PORT ☒

ACCESS PORT / VENT ☒ WELL SEAL ☒ WELL HEAD 12 INCHES / PITLESS ADAPTOR 8 INCHES ABOVE GRADE ☒

CERTIFICATE OF COMPLETION BY: Cay Wil DATE: 11/7/22 WATER SAMPLES BY: Sarah Bracken DATE: 1/9/23

Attachments: Form GW-1a (required except for abandonment) ☒ Form GW-30 ☐ Water Sample Results ☐ Plat ☐ CALL 704-664-3703 to schedule grout or well head inspections between 8-9am

4

WELL CONSTRUCTION RECORD (GW-1)

1. Well Contractor Information:

Alfred Kiesling Sr
Well Contractor Name

2670-A
NC Well Contractor Certification Number

B & K Well Drilling Inc
Company Name

2. Well Construction Permit #: 324893
List all applicable well construction permits (i.e. UIC, County, State, Variance, etc.)

3. Well Use (check well use):

Water Supply Well:	
☐Agricultural	☐Municipal/Public
☐Geothermal (Heating/Cooling Supply)	☑Residential Water Supply (single)
☐Industrial/Commercial	☐Residential Water Supply (shared)
☐Irrigation	☐Wells > 100,000 GPD
Non-Water Supply Well:	
☐Monitoring	☐Recovery
Injection Well:	
☐Aquifer Recharge	☐Groundwater Remediation
☐Aquifer Storage and Recovery	☐Salinity Barrier
☐Aquifer Test	☐Stormwater Drainage
☐Experimental Technology	☐Subsidence Control
☐Geothermal (Closed Loop)	☐Tracer
☐Geothermal (Heating/Cooling Return)	☐Other (explain under #21 Remarks)

4. Date Well(s) Completed: 9/6/22 **Well ID#**

5a. Well Location:

Nelsonman Homes
Facility/Owner Name — Facility ID# (if applicable)

117 Carissa Ln
Physical Address, City, and Zip

Iredell — 4746-40-1156
County — Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

_____ N _____ W

6. Is(are) the well(s): ☑Permanent or ☐Temporary

7. Is this a repair to an existing well: ☐Yes or ☑No
If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. For Geoprobe/DPT or Closed-Loop Geothermal Wells having the same construction, only 1 GW-1 is needed. Indicate TOTAL NUMBER of wells drilled: 1

9. Total well depth below land surface: 165 (ft.)
For multiple wells list all depths if different (example- 30@200' and 20@100')

10. Static water level below top of casing: 40 (ft.)
If water level is above casing, use "+"

11. Borehole diameter: 6 1/8 (in.)

12. Well construction method: Air Rotary
(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm): 3.5 **Method of test:** Air Lift

13b. Disinfection type: Chlor. Tabs **Amount:** 1 1/2 Lbs

For Internal Use Only:

14. WATER ZONES

FROM	TO	DESCRIPTION
58 ft.	125 ft.	NO ZONES
125 ft.	165 ft.	LARGE ZONES

15. CASING (Use for multi-cased wells) OR **GROUT** (Use for Geothermal Closed Loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0 ft.	58 ft.	6 1/4 in.	SDR-21	PVC

16. INNER CASING OR TUBING (Geothermal closed loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
ft.	ft.	in.			
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0 ft.	20 ft.	Bentonite	Pour
ft.	ft.		
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
ft.	ft.		
ft.	ft.		

20. DRILLING LOG (Attach additional sheet if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
0 ft.	15 ft.	RED SOIL
15 ft.	25 ft.	YELLOW SOIL, SAND
25 ft.	40 ft.	MIXED GRANIT GRAVEL
40 ft.	58 ft.	GRANIT
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

22. Certification:

Alfred Kiesling — 9-14-22
Signature of Certified Well Contractor — Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:
You may use the back of this page to provide additional well construction info (add 'See Over' in Remarks Box). You may also attach additional pages if necessary.

24. SUBMITTAL INSTRUCTIONS

Submit this GW-1 within 30 days of well completion per the following:

24a. For All Wells: Original form to Division of Water Resources (DWR), Information Processing Unit, 1617 MSC, Raleigh, NC 27699-1617

24b. For Injection Wells: Copy to DWR, Underground Injection Control (UIC) Program, 1636 MSC, Raleigh, NC 27699-1636

24c. For Water Supply and Open-Loop Geothermal Return Wells: Copy to the county environmental health department of the county where installed

24d. For Water Wells producing over 100,000 GPD: Copy to DWR, CCPCUA Permit Program, 1611 MSC, Raleigh, NC 27699-1611

North Carolina Division of Public Health
Occupational and Environmental Epidemiology Branch, Epidemiology Section
BIOLOGICAL ANALYSIS REPORT

Private well water information and recommendations

County: Iredell Name: Helmsman Homes LLC Sample ID Number: ES230110-0122
Location: 117 Carrisa Ln Troutman Reviewer Teanna Kobuck

Initial Sample X Confirmation Sample _____

BIOLOGICAL ANALYSIS RESULTS AND RECOMMENDATIONS FOR USES OF YOUR PRIVATE WELL WATER (These recommendations are based on biological analysis only.)

_____ No coliform bacteria were found in your well water. Your water can be used for all purposes including drinking, cooking, washing dishes, bathing and showering.

✔ Total coliform bacteria were detected in your water sample. Total Coliform are a group of related bacteria that are (with few exceptions) not harmful to humans. A variety of bacteria, parasites, and viruses, known as pathogens, can potentially cause health problems if humans ingest them. EPA considers total coliforms a useful indicator of other pathogens for drinking water. Total coliforms are used to determine the adequacy of water treatment and the integrity of the distribution system

✔ It is recommended that your well water be re-tested to verify that the result is accurate.

_____ Fecal coliform bacteria were detected in the sample. **Do not use the water for drinking, cooking, washing dishes, bathing or showering**.

If the re-test shows contamination by bacteria contact your local health department for assistance. There may be a problem with the construction of the well, the groundwater source, or operation of the well. The well needs to be inspected by the local health department or a local well contractor to determine the problem with the well and to give guidance on how to correct the problem.

Your well water was tested for biological contaminants (total coliform and fecal coliform bacteria). The results were evaluated using the federal drinking water standards.

Drinking water may contain substances that can occur naturally in water or can be introduced into water from man-made sources. Total coliform bacteria are found in soil and fecal coliform bacteria are found in animal and human waste. Total coliform or fecal coliform bacteria in well water indicate that the well may have structural problems or that the well was not properly disinfected.

If you have been drinking the well water and are pregnant, nursing, have a child in the household under 5 years of age, or immunocompromised (such as an individual with AIDS, cancer, hepatitis, dialysis or surgical procedures) inform your physician of these results at your next visit.

If the contamination continues, you should investigate the possibility of drilling a new well or installing a point-of-entry disinfection unit which can use chlorine, ultraviolet light, or ozone.

For further information please contact your county health department or the Occupational and Environmental Epidemiology Branch at 919-707-5900.

North Carolina State Laboratory of Public Health

Environmental Sciences

Microbiology

Certificate of Analysis

4312 District Drive
MSC 1918
Raleigh, NC 27699-1918

http://slph.ncpublichealth.com
Phone: 919-733-7308
Fax: 919-715-8611

FINAL REPORT

Report to: **Teanna Kobuck**

IREDELL CO. ENVIRONMENTAL HEALTH DEPT - MOORESVILLE
610 EAST CENTER AVENUE
Mooresville, NC 28115

Name of System:

Helmsman Homes LLC
117 Carrisa Ln
Troutman, NC 28166

EIN: **566000309E** **Delivery:** **NC Courier** **Iredell County**

StarLiMS ID: ES230110-0122

Date Collected: 01/09/2023 Time Collected: 09:50 By: Sarah B
Date Received: 01/10/2023 Time Received: 09:10 By: Angela Heybroek

Sample Source: New Well
Sample Type: Raw
Treatment:

Sampling Point: Well head
GPS No.
Well Permit No. AP-324893

Comment:

Colilert Profile **Method: SM 9223B**

Analyte	Test Result	Unit	Conclusion	Date Tested
Total Coliform	Present			01/10/2023
E. coli	Absent			01/10/2023

Report Date: 01/12/2023 **Reported By:** KPLEMMONS

Explanations of Coliform Analysis:

If coliform bacteria are **Absent**, the water is considered safe for drinking purpose. If coliform bacteria are **Present**, the water is considered unsafe for drinking purpose. Presence of *E. coli* (bacteria) generally indicates that the water has been contaminated with fecal material. It must be remembered that a water analysis refers only to the sample received and should not be regarded as a complete report on the water supply.

N O R T H C A R O L I N A

NC DEPARTMENT OF
HEALTH AND HUMAN SERVICES
Division of Public Health

Private Well Information and Use Recommendations

For Inorganic Chemical Contaminants

County: Iredell

Sample Name: 117 Carissa Ln Troutman

Sample ID #: ES230110-0014

Reviewer: Teanna Kobuck

TEST RESULTS AND USE RECOMMENDATIONS

1. ☑ Your well water meets federal drinking water standards ***for inorganic chemicals***. Your water can be used for drinking, cooking, washing, cleaning, bathing, and showering based on the ***inorganic chemical results only***. You may have other water sampling results that are not taken into account in this report.

2. ☐ The following substance(s) exceeded federal drinking water standards or the North Carolina 2L calculated health levels. The North Carolina Division of Public Health recommends that your well water not be used for drinking and cooking unless you install a water treatment system to remove the checked substance(s). However, it may be used for washing, cleaning, bathing, and showering based on the ***inorganic chemical results only***.

☐ Arsenic ☐ Barium ☐ Cadmium ☐ Chromium ☐ Copper ☐ Fluoride ☐ Iron
☐ Lead ☐ Manganese ☐ Mercury ☐ Nickel ☐ Nitrate/Nitrite ☐ Selenium ☐ Silver
☐ Zinc

3. ☐ While your lead levels do not exceed federal or state standards, the North Carolina Division of Public Health has concerns with any detection of lead. Should you have any questions please contact the NC Private Well and Health Program at (919) 707 - 5900.

4. ☐ Re-sample for lead and /or copper. Take a first draw and 30-second flush sample inside the house (preferably the kitchen sink) and a first draw and 4 minutes flush sample at the wellhead to determine the source of the lead and/ or copper.

5. ☐ The following substance(s) exceeded aesthetic drinking water standards. Your water can be used for drinking, cooking, washing, cleaning, bathing, and showering based on the ***inorganic chemical results only***, but aesthetic problems such as bad taste, odor, staining of porcelain, etc. may occur. You may want to install a household water treatment system to address aesthetic problems.

☐ Chloride ☐ Copper ☐ Flouride ☐ Iron ☐ Manganese
☐ pH ☐ Silver ☐ Sulfate ☐ Zinc

6. ☐ a. Sodium levels exceed the U.S. Environmental Protection Agency's (USEPA) Health Advisory level for sodium of 20 mg/l. The North Carolina Division of Public Health recommends that only individuals on no or low sodium-restricted diets not use this water for drinking or cooking. It may be used for washing, cleaning, bathing, and showering based on the ***inorganic chemical results only***.

☐ b. Your sodium level exceeds 30 mg/L and may pose aesthetic issues such as bad taste, odor, staining of porcelain, etc.

7. ☐ Re-sampling is recommended in _____ months, to reinvestigate _____.

For more information regarding your well water results, please call the North Carolina Division of Public Health at 919-707-5900.

North Carolina State Laboratory of Public Health

Environmental Sciences

Inorganic Chemistry

4312 District Drive
MSC 1918
Raleigh, NC 27699-1918

http://slph.ncpublichealth.com
Phone: 919-733-7308
Fax: 919-715-8611

Certificate of Analysis

FINAL REPORT

Report to: **Teanna Kobuck**

IREDELL CO. ENVIRONMENTAL HEALTH DEPT - MOORESVILLE
610 EAST CENTER AVENUE
MOORESVILLE, NC 28115

Name of System:

Helmsman Homes LLC
117 Carissa Ln.
Troutman, NC 28166

EIN: 566000309E

Delivery: **NC Courier**

StarLiMS ID: **ES230110-0014**

Date Collected: 01/09/2023 Time Collected: 09:50 By: Sarah ~~Brucker~~ Bracken

Date Received: 01/10/2023 Time Received: 07:51

Sample Type: Raw Sampling Point: Well Head Well Permit No. AP-324893

Sample Source: New Well Receipt Temp. : 0.5 °C GPS Number:

Profile: New Well I

Analyte	Test Result	Allowable Limit	Unit	Qualifier(s)
Arsenic	<0.001	0.010	mg/L	
Barium	<0.1	2.0	mg/L	
Cadmium	<0.0001	0.005	mg/L	
Calcium	75		mg/L	
Chloride	<5	250	mg/L	
Chromium	<0.02	0.10	mg/L	
Copper	<0.01	1.3	mg/L	
Fluoride	0.419	4.00	mg/L	
Iron	<0.06	0.30	mg/L	
Lead	<0.003	0.015	mg/L	
Magnesium	4		mg/L	
Manganese	0.017	0.05	mg/L	
Mercury	<0.0004	0.002	mg/L	
Nickel	<0.01	0.1	mg/L	
Nitrate	<1	10.0	mg/L	
Nitrite	0.11	1.00	mg/L	
pH	8.0		N/A	
Selenium	<0.005	0.05	mg/L	
Silver	<0.01	0.10	mg/L	
Sodium	13.4		mg/L	
Sulfate	120.3	250	mg/L	
Total Alkalinity	103		mg/L	
Total Hardness	202		mg/L	
Zinc	<0.05	5.0	mg/L	

ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 | Mooresville Office (704) 660-3625 | PERMIT # AP 324893

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

PIN # 4740 -- 40 -- 1156

APPLICANT/OWNER: H. H. Wiltshire Holdings LLC | APPLICANT ADDRESS: P.O. Box 3965 Mooresville, NC 28117

SITE ADDRESS: 117 Carissa Ln. Troutman, NC 28166 | PHONE: 7042021524 | ALT. PHONE

SITE DIRECTIONS: Perth Rd N TR Clontz Hill TR Ridge Creek TR Wiltshire TL E Panther Creek TR Carissa Ln

SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Wiltshire Creek | SECTION: | LOT # 36 | LOT AREA: .98 Acre | DESIGN FLOW: 360gpd | L.T.A.R.: .3

Septic Tank	1000 (gal)	STB	Date	☒ New System	☐ Repair	☐ Expansion	System Type: I II III IV V VI	☒ Residence	No. Bedrooms 3
Pump Tank	1000 (gal)	PT	Date	System Description:	Pump-pm-25% Reduction			☐ Business	No. Persons 6
Pump Make		Model	Serial #	Repair System Description:	PPBPS			☐ Other	No. Employees
# Nitrification Fields	1	# Lines 4	Linear Ft 300	Maintenance Agreement Required:	☐ YES	☒ NO		☒ Slab	☐ Crawl Space
Trench Width	36"	Trench Bottom Depth(Low side)	~~36~~ 28"	Gravel Depth	N/A	☐ GRAVITY	☒ PRESSURE	☐ Basement w/plumbing	☐ Basement w/o plumbing

Water Supply: ☒ Private ☐ Public ☐ Community

Comments / Conditions: See attached Septic Plan by Soil & Forestry Services

Divert Storm/Surface water away from Septic

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:

Samuel A. Rollans

LSS# 1231

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.

Authorization to Construct
FOR SEPTIC FINAL INSPECTION
CALL 704-664-3703

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.*

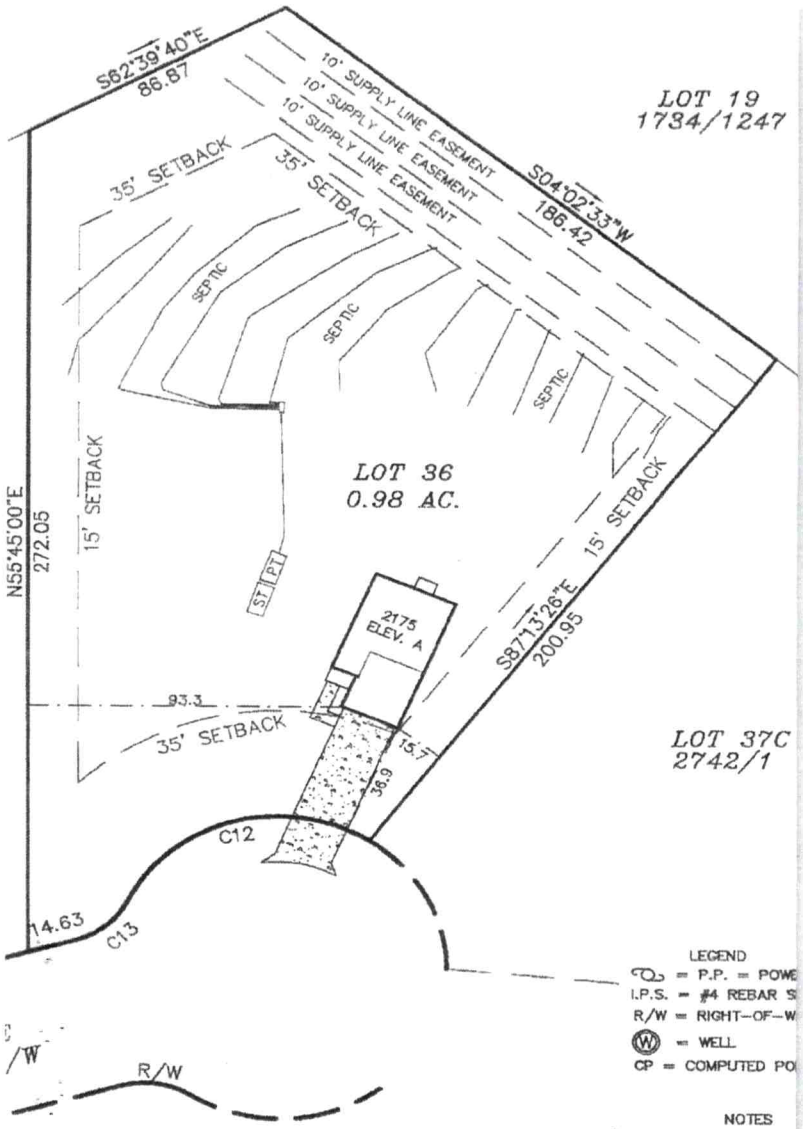
Owner / Applicant Signature: [signature] Date: 4/21/22 Installed by:

IMPROVEMENT PERMIT by: Maria Dotson Date: 2/7/22 OPERATION PERMIT by: Date:

AUTHORIZATION TO CONSTRUCT by: Maria Dotson Date: 4/20/22 Existing System Inspected by: Date:

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

SCALE
1" = 40'
NORTH
DRIVE
34'
16'
72.3'
27.6'
PROPOSED
HOUSE
(40' X 40')
ST
PT
36
37
35
4
3
2
1
5
PRESSURE
MANIFOLD
~3,800 SF
10' SUPPLY LINE EASEMENT
10' SUPPLY LINE EASEMENT
10' SUPPLY LINE EASEMENT



LEGEND

P.P. = POWE
I.P.S. = #4 REBAR S
R/W = RIGHT-OF-W
W = WELL
CP = COMPUTED PO

NOTES

1) THIS PROPERTY MAY TO ANY EASEMENTS RIGHTS OF WAY OF
2) ACREAGE COMPUTED COORDINATE METHOI
3) UNDERGROUND POW
4) NO GRID MONUMENT 2000 FEET.

PLOT PLAN SURVEY

OF

117 CARRISA LANE

LOT 36 WILTSHIRE CREEK

ALLSTOWN TWSP., IREDELL CO., N.C.

HELMSMAN HOMES

FIELD BOOK:
FILE: WILTSHIRE C
DC FILE:
TAX MAP NO: 47

RECEIVED JUN 2 2022

APPLICATION MUST BE FILLED OUT COMPLETELY & BE LEGIBLE OR IT WILL NOT BE PROCESSED

Iredell County Health Department – Environmental Health Division

PAGE 1: *APPLICATION FORM* AP-324893 $550.00

Application For: (X) 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: (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: Helmsman Homes, LLC **Address:** 116 Gasoline Alley, Suite 105, Mooresville, NC **Zip:** 28117

Applicant Email: cnewsome@helmsmanhomes.com **Phone:** 980-500-1251 **Alt. Phone:** _____

Owner Name: Helmsman Homes, LLC **Address:** 116 Gasoline Alley, Suite 105, Mooresville, NC **Zip:** 28117

Owner Email: permitting@helmsmanhomes.com **Phone:** 980-500-1251 **Alt. Phone:** _____

Property Information:

Street Address: 117 Carissa Lane

Subdivision Name: Wiltshire Creek **Section/Phase:** _____ **Lot Number:** 36

Driving Directions: I-77 to exit 42, Hwy 21N to Troutman, Left on Flower House Loop Left on Clontz Hill Road to Wiltchire Creek

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

CHECK FOUNDATION TYPE

(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: _____

( ) Crawl Space Foundation
(X) 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: _____

(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 ( ) 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: C Newsome 6-22-22

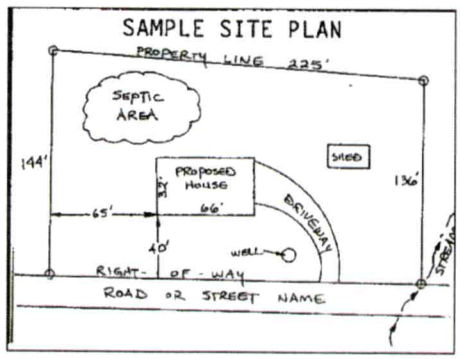
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

IREDELL COUNTY HEALTH DEPARTMENT

ENVIRONMENTAL HEALTH DIVISION

PAGE 2: *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 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 and well location
- ( ) Area you prefer your septic system to be placed
- ( ) 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 plot plan

Signature: CNemura

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

6-22-22

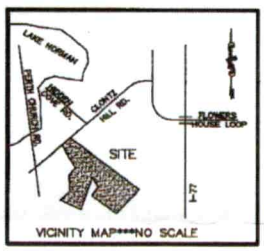
DATE

DAS
DON ALLEN & ASSOCIATES, P.A.
"Since 1971"
Commercial * Residential * Mortgage Surveys * Multi-Family
Construction Staking * Subdivision Design * Topographical
131 Crosslake Park Drive – Suite 102 * Mooresville * NC * 28117
(704) 664-7029 (704) 664-8041 Fax

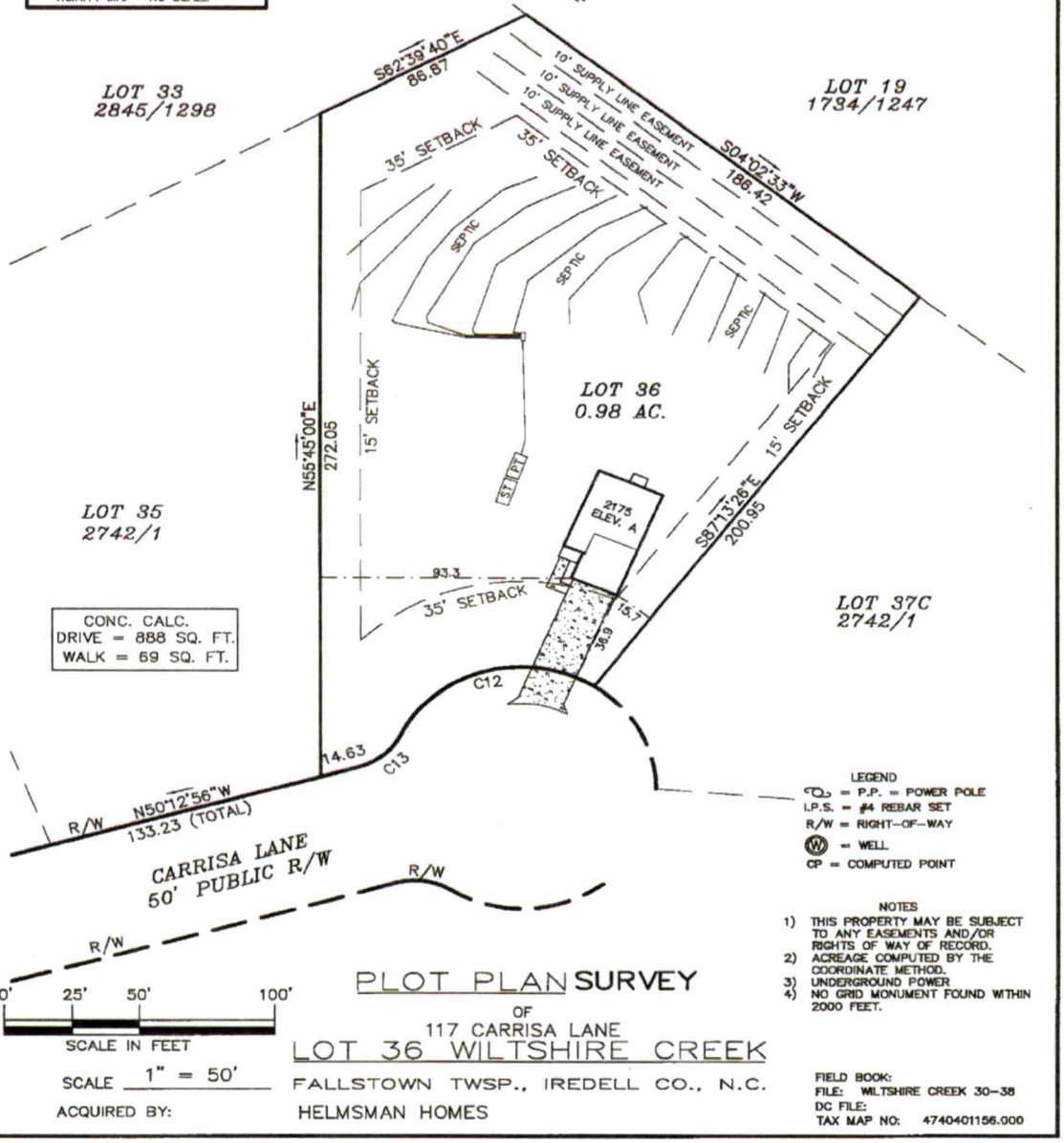
I, certify that this map was drawn under my supervision from an actual survey made under my supervision recorded in deed book 2742, page 1, and/or plat book 36, page 106, that the ratio of precision is 1':10,000, that this map was prepared in accordance with the General Statutes of North Carolina Chapter 89C. my hand and seal on the 11, day of FEBRUARY, A.D. 20 22.

WILLIAM M. ALLEN, PLS

NORTH CAROLINA PROFESSIONAL SEAL L-3499 LAND SURVEYOR WILLIAM M. ALLEN



CURVE	RADIUS	LENGTH	CHORD	BEARING
C12	50.00'	84.54'	74.82'	N 49°58'07" W
C13	25.00'	21.03'	20.41'	S 74°18'38" E



LEGEND
P.P. = POWER POLE
I.P.S. = #4 REBAR SET
R/W = RIGHT-OF-WAY
W = WELL
CP = COMPUTED POINT

NOTES
1) THIS PROPERTY MAY BE SUBJECT TO ANY EASEMENTS AND/OR RIGHTS OF WAY OF RECORD.
2) ACREAGE COMPUTED BY THE COORDINATE METHOD.
3) UNDERGROUND POWER
4) NO GRID MONUMENT FOUND WITHIN 2000 FEET.

PLOT PLAN SURVEY

OF

117 CARRISA LANE
LOT 36 WILTSHIRE CREEK
FALLSTOWN TWSP., IREDELL CO., N.C.

SCALE 1" = 50'

ACQUIRED BY: HELMSMAN HOMES

FIELD BOOK:
FILE: WILTSHIRE CREEK 30-38
DC FILE:
TAX MAP NO: 4740401156.000

IREDELL COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

DOCUMENTATION TO AUTHORIZE AN OWNER'S LEGAL REPRESENTATIVE

(Check and sign only ONE of the options below)

☒ **1. * APPLICANT AND OWNER ARE THE SAME. *** (*Sign here*) C Nevin

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.

☐ **2.** I, _____, am the legal owner(s) of the property located at _____, identified as PIN (Parcel Identification Number)_____, 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.

_____ 6-22-22

Signature of Owner(s) Date

Mooresville - Environmental Health
Fax: 704-662-3239
610 E. Center Avenue, Mooresville, NC 28115

Statesville - Environmental Health
ronda.hart@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 ***

CN ____ **Complete all Environmental Health forms**:

- ✓ Application
- ✓ Site Plan including the dimensions of proposed structure, addition, pool etc.
- ✓ Documentation to Authorize Owner Agent (even if the property owner is the applicant – complete section 1 or 2)
- ✓ Copy of Zoning Permit when applicable
- ✓ Sign this sheet after you have completed all items

CN ____ **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.**

CN ____ **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**.

CN ____ **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.

CN ____ **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 nonrefundable. 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 CN Ellerbe **Date** 6/22/22

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