



Brunswick County Environmental Health Services  
Water Protection Section

BCHS File Number: 2024080109

Tax Parcel: 156ma01103

New       Repair       Abandonment

Owner's Name: LICHTY JAMES D

Property Address: 361 SUNSET RD 28461

Subdivision: BOILING SPRING LAKES      Lot: 100      Block: \_\_\_\_\_      Section: 1W

Project Type:  Residential    or     Commercial

**Well Permit**

*Well must be installed in accordance with 15A NCAC 02C and/or 15A NCAC 18A.1700*

**The following items shall be completed and inspected prior to the issuance of the Certificate of Completion (COC):**

- Well construction record (GW-1a) submitted to BCHS
  - Well contractor identification plate installed
  - Threadless sample tap turned downward and at least 12 inches above the land surface installed
  - The well head should be sealed
  - Pump installation plate installed
  - A 12 inch minimum casing height above the land surface shall be provided
- Maintain the following setback to any septic system:     50 feet    or     100 feet
  - Maintain the following setback to any structure:         25 feet    or     50 feet
  - Maintain the following setback to any animal barn:       50 feet    or     100 feet
- Search has been completed per 15A NCAC 02C.0304(b).
  - Maintain 50 feet to any pond, lake, and/or reservoir.
  - Maintain 25 feet to brooks, creeks, streams, rivers, sounds, bays, and/or tidal estuaries.
  - The existing well shall be properly abandoned. A well abandonment record (GW-30) shall be submitted to BCHS.
  - The well shall be installed in accordance with the attached variance.
  - A 4 inch thick concrete floor, extending at least three feet horizontally around the outside of the casing, shall be provided.
  - Other: Maintain 25' setback to gravity sewer line.

- Permit action may be required if the well location is changed or information submitted in the application was inaccurate.
- Issuance of Certificate of Completion is not to be taken as a guarantee of the quality of water obtained from the well.

Well Permit Issuance Date: 8/19/2024      Well Permit Expires 5 Years From Issuance Date

REHS Signature: [Signature]      REHS Registration Number: 2816

**\*See Well Permit Site Plan for Well Location and Further Detail\***

**Grout Inspection**

Grout Inspection Witnessed By REHS       Grout Inspection Not Witnessed By REHS

REHS Signature: \_\_\_\_\_      Date Of Grout Placement: \_\_\_\_\_

**Well Abandonment**

Well Abandoned By: \_\_\_\_\_      Date of Well Abandonment: \_\_\_\_\_

**Certificate of Completion**

Well Installer Name: \_\_\_\_\_      Well Driller Certification Number: \_\_\_\_\_

Date Well Installed: \_\_\_\_\_      GPS Coordinates: \_\_\_\_\_

REHS Signature: \_\_\_\_\_      Date Of COC: \_\_\_\_\_

**\*Owner/Authorized Agent must contact BCHS (910-253-2150) for water sample collection once the well has been properly disinfected and power is provided\***



Location Requirements For Domestic Drinking Water Wells

15A NCAC 02C .0107 STANDARDS OF CONSTRUCTION: WATER SUPPLY WELLS

(a) Location

(1) A water supply well shall not be located in any area where surface water or runoff will accumulate around the well due to depressions, drainage ways, and other landscapes that will concentrate water around the well.

(2) The horizontal separation between a water supply well and potential sources of groundwater contamination that exist at the time the well is constructed shall be no less than as follows unless otherwise specified in Subparagraph (a)(3) of this Rule:

- A. Single-family dwelling with septic tank and drainfield, including the drainfield repair area: 50 feet
B. Single-family dwelling with septic tank and drainfield, including the drainfield repair area in saprolite system as described in 15A NCAC 18A .1956: 100 feet
C. All other facilities with septic tank and drainfield, including drainfield repair area: 100 feet
D. Other subsurface ground absorption waste disposal system: 100 feet
E. Industrial or municipal residuals disposal or wastewater-irrigation sites: 100 feet
F. Industrial or municipal sewage or liquid-waste collection or sewer main, constructed to water main standards in the American Water Works Association (AWWA) Standards C600 and/or C900, which can be obtained from AWWA at American Water Works Association, 6666 West Quincy Avenue, Denver, CO 80235, at a cost of one hundred and four dollars (\$104.00): 50 feet
G. Water-tight sewer lateral line from a residence or other non-public system to a sewer main or other wastewater disposal system: 25 feet
H. Other sewage and liquid-waste collection or transfer facility: 100 feet
I. Cesspools and privies: 100 feet
J. Animal feedlots, as defined by G.S. 143-215.10B(5), or manure or litter piles: 100 feet
K. Fertilizer, pesticide, herbicide, or other chemical storage areas: 100 feet
L. Non-hazardous waste storage, treatment, or disposal lagoons: 100 feet
M. Sanitary landfills, municipal solid waste landfill facilities, incinerators, construction and demolition (C&D) landfills, and other disposal sites except Land Clearing and Inert Debris landfills: 500 feet
N. Land Clearing and Inert Debris (LCID) landfills: 100 feet
O. Animal barns: 100 feet
P. Building perimeters, including any attached structures that need a building permit, such as garages, patios, or decks, regardless of foundation construction type: 25 feet
Q. Surface water bodies that act as sources of groundwater recharge, such as ponds, lakes, and reservoirs: 50 feet
R. All other surface water bodies, such as brooks, creeks, streams, rivers, sounds, bays, and tidal estuaries: 25 feet
S. Chemical or petroleum fuel underground storage tank systems regulated under 15A NCAC 02N: (i) with secondary containment: 50 feet (ii) without secondary containment: 100 feet
T. Above ground or underground storage tanks that contain petroleum fuels used for heating equipment, boilers, or furnaces, with the exception of tanks used solely for storage of propane, natural gas, or liquefied petroleum gas: 50 feet
U. All other petroleum or chemical storage tank systems: 100 feet
V. Gravesites: 50 feet
W. Coal ash landfills or impoundments: 200 feet
X. All other potential sources of groundwater contamination: 50 feet

(3) For a water supply well as defined in G.S. 87-85(13) on a lot serving a single-family dwelling and intended for domestic use, where lot size or other fixed conditions preclude the separation distances specified in Subparagraph (a)(2) of this Rule, the required horizontal separation distances shall be the maximum possible but shall in no case be less than the following:

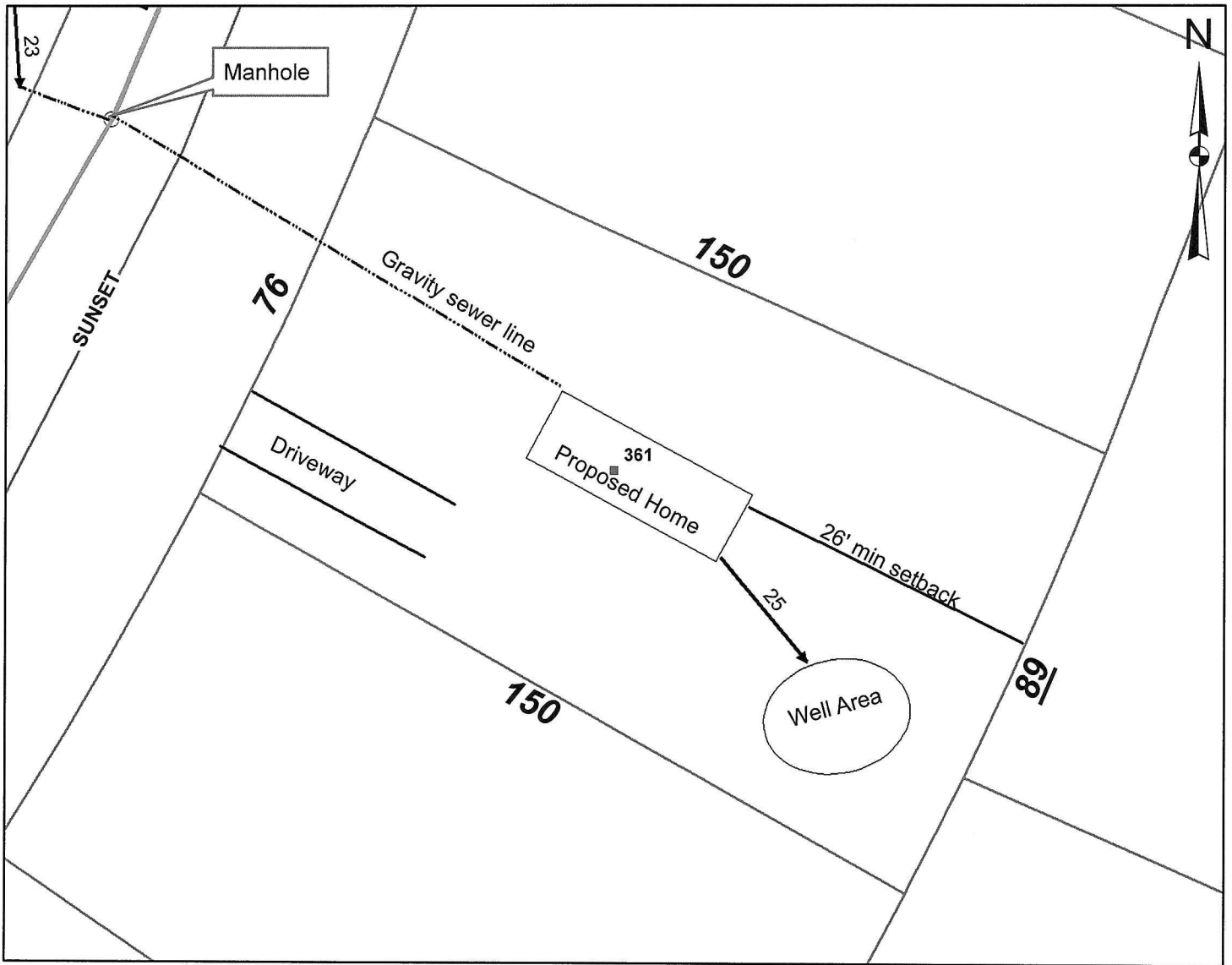
(A) Industrial or municipal sewage or liquid-waste collection or sewer main, constructed to water main standards as stated in the AWWA Standards C600 and/or C900: 25 feet

(B) Animal barns: 50 feet



- Improvement Permit
- Existing System Approval
- Fill Plan
- Well Permit
- Proposal
- Well Abandonment Permit
- Authorization to Construct Permit
- Other: \_\_\_\_\_

**\*SITE PLAN ONLY. THIS IS NOT A PERMIT\***



1 inch = 30 feet



Onsite Wastewater System Design Criteria

Type of Initial Wastewater System: _____	Number of Occupants/Employees (Max): _____
Number of Bedrooms (Max.): _____	LTAR of Initial Wastewater System (gpd/ft <sup>2</sup> ): _____
Design Flow (GPD): _____	Length of Lines (Feet): _____
Number of Lines: _____	Width of Lines (Feet): _____
Trench Bottom Depth From Top of Final Cover (Max. Inches): _____	Drainfield Square Feet: _____
Min. Size of Septic Tank (Gal.): _____	Bed Dimensions (Feet x Feet): _____
Min. Size of Pump Tank (Gal.): _____	Type of Repair System: _____
Min. Size of Grease Trap (Gal.): _____	Repair System Trench Bottom Depth (Max. Inches): _____
Other Information: _____	LTAR of Repair System (gpd/ft <sup>2</sup> ): _____

**WELL PERMIT ONLY !!!!!**

RFHS Signature

8/19/24

Date



Non-UST Incidents

#	IncidentNumber	IncidentName	Address	CityTown	DateReported	Count
1	No Data	Werner Enterprises	3180 George II HWY SE	Southport	10/20/2023, 8:00 PM	1

UST Incidents

#	IncidentNumber	IncidentName	Address	CityTown	DateReported	Count
1	17777	BOSWELL'S GAS & GROCERY	HWY 87	BOILING SPRINGS LK	7/22/1997, 8:00 PM	1
2	32360	KOPP'S KWIK STOP 2	3196 GEORGE II HWY	BOILING SPRING LAKES	10/26/2006, 8:00 PM	1

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## **UST Section**

### **Description of Dataset**

The Underground Storage Tank (UST) Section's data presented here is representative of two different programs within the Section; the UST program and the Aboveground Storage Tank/Non-UST (AST) program. While the UST data relates only to releases of regulated substances from UST systems, the AST data may be related to a variety of release sources, such as AST systems, fuel tanker spills, illegal dumping, etc. All UST Section features presented in this tool represent locations where the latest reports document confirmed or assumed exceedance(s) of the NC Groundwater Quality Standard and/or the Soil-to-Groundwater Maximum Soil Contaminant Concentrations (MSCCs).

### **Contaminants Potentially Present**

UST and AST Program Sampling Recommendations:

- Volatile Organic Compounds
- Semivolatile Organic Compounds
- Metals (Cr and Pb)

### **Contact Information**

To request additional information from the UST Section please contact the NCDEQ Regional Office assigned to the area of interest and ask to speak with a member of the UST Section. A map of the UST Section's Regional Office coverage areas and phone numbers can be viewed by following this [link](#). The UST Section's Regional Office contact information is also presented below.

#### **UST Section - Regional Office Contact Information**

**Asheville (ARO)** – 2090 US Highway 70, Swannanoa, NC 28778 **(828) 296-4500**

**Fayetteville (FAY)** – 225 Green Street, Suite 714, Systel Building, Fayetteville, NC 28301 **(910) 433-3300**

**Mooresville (MOR)** – 610 East Center Avenue, Suite 301, Mooresville, NC 28115 **(704) 663-1699**

**Raleigh (RRO)** – 1628 Mail Service Center, Raleigh, NC 27699 **(919) 791-4200**

**Washington (WAS)** – 943 Washington Square Mall, Washington, NC 27889 **(252) 946-6481**

**Wilmington (WIL)** – 127 Cardinal Drive Extension, Wilmington, NC 28405 **(910) 796-7215**

**Winston-Salem (WS)** – 450 West Hanes Mill Road, Suite 300, Winston-Salem, NC 27105, **(336) 776-9800**

**Guilford County Environmental Health**, 400 West Market Street, Suite 300, Greensboro, NC 27401, **(336) 641-3771**