HARNETT COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SECTION
307 W. CORNELIUS HARNETT BLVD.
LILLINGTON, NC 27546
910-893-7547 PHONE
910-893-9371 FAX

Application for Repair

EMAIL ADDRESS: cltick@gmail.com

OWNER NAME Christopher Tickle PHONE 919-369-0720

PHYSICAL ADDRESS 5311 Fairground Rd.

MAILING ADDRESS *(IF DIFFFERENT THAN PHYSICAL)* _____

IF RENTING, LEASING, ETC., LIST PROPERTY OWNER NAME _____

SUBDIVISION NAME | LOT #/TRACT # | STATE RD/HWY | SIZE OF LOT/TRACT

Type of Dwelling: [ ] Modular [ ] Mobile Home [X] Stick built [ ] Other _____

Number of bedrooms 4 [ ] Basement

Garage: Yes [X] No [ ] Dishwasher: Yes [X] No [ ] Garbage Disposal: Yes [ ] No [ ]

Water Supply: [ ] Private Well [ ] Community System [X] County

Directions from Lillington to your site: W Cornelius Harnett Blvd. Turn left onto Prospect Church Rd. Lt onto Red Hill Church Rd. RT onto 3 Bridge Rd. Lt Fairground RD

In order for Environmental Health to help you with your repair, you will need to comply by completing the following:

1. A **"surveyed and recorded map"** and **"deed to your property"** must be attached to this application. Please inform us of any wells on the property by showing on your survey map.
2. The outlet end of the tank and the distribution box will need to be uncovered and property lines flagged. After the tank is uncovered, property lines flagged, underground utilities marked, and the orange sign has been placed, you will need to **call us at 910-893-7547 to confirm that your site is ready for evaluation.**

Your system must be repaired within 30 days of issuance of the Improvement Permit or the time set within receipt of a violation letter. (Whichever is applicable.)

By signing below, I certify that all of the above information is correct to the best of my knowledge. False information will result in the denial of the permit. The permit is subject to revocation if the site plan, intended use, or ownership changes.

Christopher Tickle 19 March 2025

Owner Signature **Date**

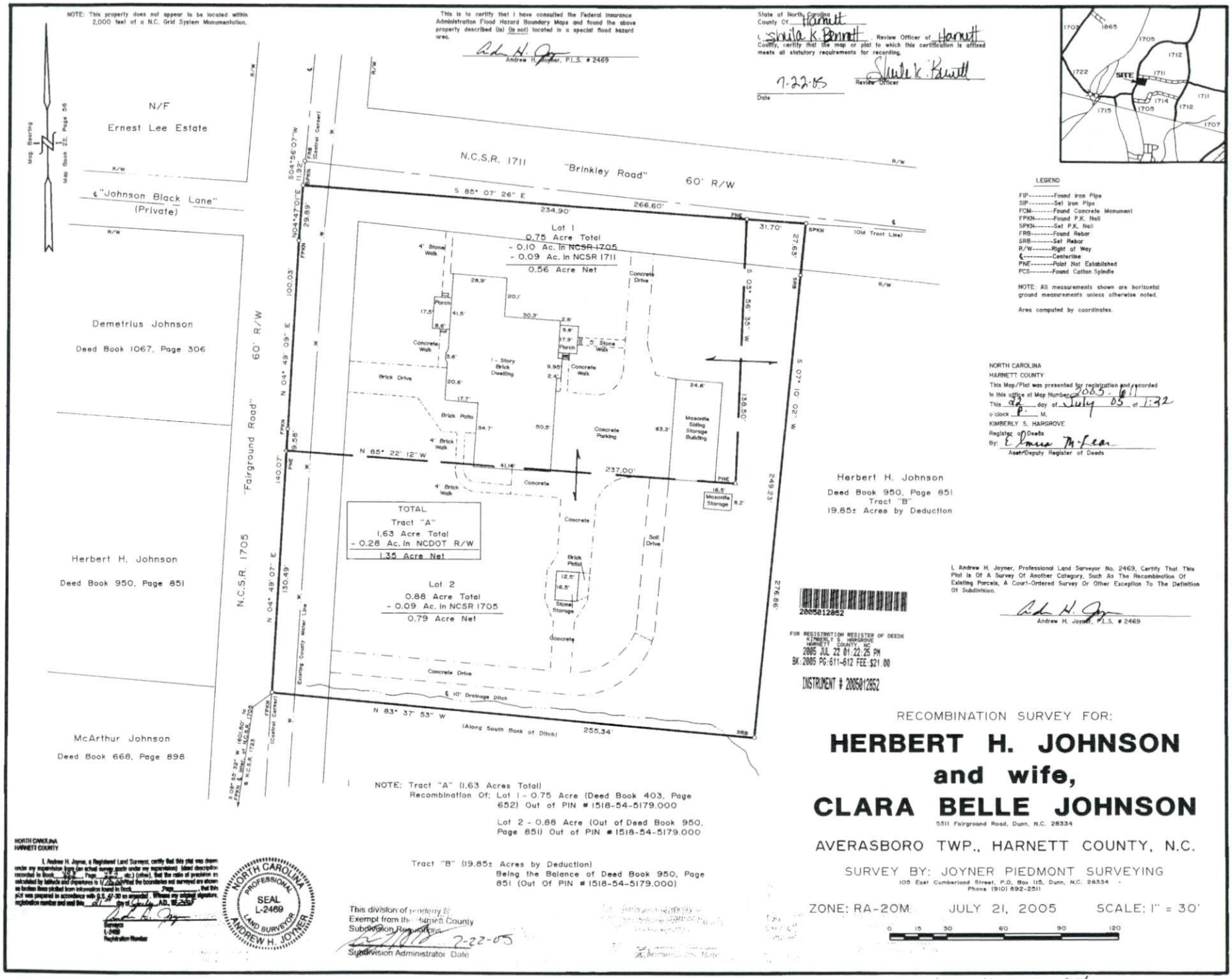
HOMEOWNER INTERVIEW FORM

It is important that you answer the following questions for our inspectors. Please do not leave any blanks if possible, and answer all questions to the best of your ability. Thank You.

Have you received a violation letter for a failing system from our office? [ ] **YES** [X] **NO**
Also, within the last 5 years have you completed an application for repair for this site? [ ] **YES** [X] **NO**

Year home was built (or year of septic tank installation) 1960 , 1960
Installer of system _____
Septic Tank Pumper _____
Designer of System _____

1. Number of people who live in house? 2 **# adults** _____ **# children** 2 **# total**
2. What is your average estimated daily water usage? 240 gallons/month or day _____ county water. **If HCPU please give the name the bill is listed in** _____
3. If you have a garbage disposal, how often is it used? [ ] **daily** [ ] **weekly** [X] **monthly**
4. When was the septic tank last pumped? Sept 24 How often do you have it pumped? _____
5. If you have a dishwasher, how often do you use it? [ ] **daily** [ ] **every other day** [ ] **weekly**
6. If you have a washing machine, how often do you use it? [ ] **daily** [ ] **every other day** [X] **weekly** [ ] **monthly**
7. Do you have a water softener or treatment system? [ ] **YES** [X] **NO** Where does it drain? _____
8. Do you use an "in tank" toilet bowl sanitizer? [ ] **YES** [X] **NO**
9. Are you or any member in your household using long term prescription drugs, antibiotics or chemotherapy?] [ ] **YES** [X] **NO If yes please list** _____
10. Do you put household cleaning chemicals down the drain? [ ] **YES** [X] **NO** If so, what kind? _____
11. Have you put any chemicals (paints, thinners, etc.) down the drain? [ ] **YES** [X] **NO**
12. Have you installed any water fixtures since your system has been installed? [ ] **YES** [X] **NO** If yes, please list any additions including any spas, whirlpool, sinks, lavatories, bath/showers, toilets _____
13. Do you have an underground lawn watering system? [ ] **YES** [X] **NO**
14. Has any work been done to your structure since the initial move into your home such as, a roof, gutter drains, basement foundation drains, landscaping, etc? **If yes, please list** _____
15. Are there any underground utilities on your lot? **Please check all that apply:**
    [X] **Power** [X] **Phone** [X] **Cable** [X] **Gas** [X] **Water**
16. Describe what is happening when you are having problems with your septic system, and when was this first noticed?
    Purchasing house & had a septic inspection. Inspector recommended to replace tank.
17. Do you notice the problem as being patterned or linked to a specific event (i.e., wash clothes, heavy rains, and household guests?) [ ] **YES** [X] **NO If Yes, please list** _____



This is to certify that I have consulted the Federal Insurance Administration Flood Hazard Boundary Maps and found the above property described (is) (is not) located in a special flood hazard area.

Andrew H. Joyner, P.L.S. # 2469

State of North Carolina
County Of Harnett

I, Sheila K. Bennett, Review Officer of Harnett County, certify that the map or plat to which this certification is affixed meets all statutory requirements for recording.

7-22-05
Date

Sheila K. Bennett
Review Officer

NORTH CAROLINA
HARNETT COUNTY

This Map/Plat was presented for registration and recorded in this office at Map Number 2005-611
This 22 day of July 05 at 1:32 o'clock P. M.
KIMBERLY S. HARGROVE
Register of Deeds
By: Donna McLean
Asst/Deputy Register of Deeds

I, Andrew H. Joyner, Professional Land Surveyor No. 2469, Certify That This Plat Is Of A Survey Of Another Category, Such As The Recombination Of Existing Parcels, A Court-Ordered Survey Or Other Exception To The Definition Of Subdivision.

Andrew H. Joyner, P.L.S. # 2469

2005012852

FOR REGISTRATION REGISTER OF DEEDS
KIMBERLY S. HARGROVE
HARNETT COUNTY, NC
2005 JUL 22 01:22:25 PM
BK:2005 PG:611-612 FEE:$21.00

INSTRUMENT # 2005012852

NOTE: Tract "A" (1.63 Acres Total)
Recombination Of: Lot 1 - 0.75 Acre (Deed Book 403, Page 652) Out of PIN # 1518-54-5179.000

Lot 2 - 0.88 Acre (Out of Deed Book 950, Page 851) Out of PIN # 1518-54-5179.000

Tract "B" (19.85± Acres by Deduction)
Being the Balance of Deed Book 950, Page 851 (Out Of PIN # 1518-54-5179.000)

NORTH CAROLINA
HARNETT COUNTY

I, Andrew H. Joyner, a Registered Land Surveyor, certify that this plat was drawn under my supervision from (an actual survey made under my supervision) (deed description recorded in Book ____, Page ____, etc.) (other); that the ratio of precision as calculated by latitudes and departures is 1/_____; that the boundaries not surveyed are shown as broken lines plotted from information found in Book ____, Page ____; that this plat was prepared in accordance with G.S. 47-30 as amended. Witness my original signature, registration number and seal this 21 day of July, A.D., 2005.

Andrew H. Joyner
Surveyor
L-2469
Registration Number

NORTH CAROLINA PROFESSIONAL SEAL L-2469 LAND SURVEYOR ANDREW H. JOYNER

This division of property is Exempt from the Harnett County Subdivision Regulations.

2-22-05
Subdivision Administrator Date

RECOMBINATION SURVEY FOR:

HERBERT H. JOHNSON and wife, CLARA BELLE JOHNSON

5511 Fairground Road, Dunn, N.C. 28334

AVERASBORO TWP., HARNETT COUNTY, N.C.

SURVEY BY: JOYNER PIEDMONT SURVEYING
105 East Cumberland Street, P.O. Box 115, Dunn, N.C. 28334
Phone (910) 892-2511

ZONE: RA-20M JULY 21, 2005 SCALE: 1" = 30'

0 15 30 60 90 120

MAP # 2005-611

HOLLAND
SEPTIC SERVICES

Onsite Wastewater System Inspection

Inspection Title
5311 Fairground Road

Property Address
5311 Fairground Road
Dunn, N.C. 28334

Inspected On
03/10/2025, 12:00 PM

3-Day Cumulative Rainfall Total for Dunn, N.C.
0.00 Inches
(NWS)

Inspected & Prepared By
Stephen Holland

Inspection Requested By
Chris Tickle

System Overview:

On March 10th, 2025, I was at the property address 5311 Fairground Road, Dunn N.C. 28334 to perform an onsite wastewater system inspection. Harnett County Department of Environmental Health did not have a copy of the existing septic system operation permit on file for this four bedroom home that was built in 1960. Since there is no permit on record, I cannot determine the bedroom size of the septic system. Public water supply is available, and the meter was located at the front right corner of the property. There is also a private well located in the garage, and it was measured to be at least 100 feet from the septic system. Since the water supply line is beneath the ground and unmarked, I was unable to determine the distance that it is from the septic system. The minimum required setback from the water supply line to any component of the septic system is at least ten feet. If there is a water softener, the backwash drain should not drain into the plumbing. Water softener backwash is not considered wastewater, and it can damage the soils in the drain field.

The onsite wastewater treatment system is a conventional gravity flow system with a 800 gallon concrete septic tank (estimated from measurements taken during the inspection) that stores wastewater from the house before being transferred, by gravity, to a single gravel drain field line with a terracotta supply line running down the center. The drain field line runs from the septic tank directly towards the rear of the property, on contour. I have marked the drain line with marking paint and marking flags—see pictures that conclude this report.

Septic Tank Summary:

The septic tank inlet access lid was measured to be three feet to the left of the house, and it was fourteen inches below grade. The inlet lid was found to be in good condition, and it was properly sealed to the septic tank. Although there was an inlet lid, I inspected the septic tank from the outlet slab. This slab was so large that equipment had to be used to remove the lid. This is not considered readily accessible. The operating water level in the tank was found to be more than two inches below the lower invert of the inlet pipe, and it was about two inches below the lower invert of the outlet pipe. This is two inches lower than intended. At this time, I inspected the inlet pipe to the septic tank, but when I looked into the tank, I observed three inlet pipes—one was PVC, and the other two were terracotta. All but one toilet drains into the PVC inlet pipe, and the last toilet drains into the terracotta pipe on the right. I did not determine what drains into the terracotta pipe on the left. I inspected the slope of the pipes by running water into them. The flow of wastewater was confirmed, and it was entering the tank as intended. The washing machine and kitchen sink were the last two fixtures that water was flowed into, and neither of them enters the septic tank. Next, I inspected the interior of the tank, and I noted that there was extensive damage to the side wall of the tank, making it structurally unsound. There was also damage to the top of the baffle wall. This style of septic

tank is a handmade septic tank constructed of cinder block. Several of the blocks at the top of the side wall were broken off, along with the top of the baffle wall. The broken sidewall is likely the reason for the low water level, since the damage could result in leaking. Since the septic tank was not pumped out, I was not able to inspect the tank beneath the surface of the water level. There was an outlet tee present on the outlet of the tank, but it was merely placed inside of the outlet pipe, and it was not secure. Since this is not a water tight connection, it is possible that water is leaking out from underneath the tee, which could also be contributing to the low water level. When the tee was removed, the water level was precisely at the lower invert of the terracotta pipe. At this time, I took a column sample from both sides of the septic tank, and I did not collect any measureable amount of scum or sludge. I approximated there to be about six inches of dirt that has collected in the bottom of the septic tank. This dirt is likely washing in from the damaged area of the sidewall. Lastly, I ran water into the septic tank outlet pipe to confirm positive flow. There was positive flow to the drain field line for the entire time that water was running.

Distribution & Drain Field Summary

Next, I began to probe and locate the drain field line. There is a single gravel drain field line that was measured to be approximately two feet in width and 100 feet long. The drain field line runs from the septic tank outlet directly towards the rear of the property, on contour. The drain field line stops approximately twelve feet from the storm water drainage way at the rear of the property. I have marked the drain line with marking paint and marking flags—see pictures that conclude this report.

At this time I did a final walkthrough of the system to look for any non-permitted connections, grading issues, excessive saturation and signs of past or current surfacing of effluent, and none were observed. I did note, however, that there is a concrete driveway crossing over the drain field line. Although drain field lines should not be subjected to vehicular traffic, I did not observe any issues resulting from subjecting the drain field line to vehicular traffic. Lastly, I observed the boundaries of the property with respect to the septic system components. Since the property lines were not marked with readily observable property line markers, I was unable to measure the distance from the property lines to the septic system components.

Observations and Conclusions:

1. The septic tank access lid was so large that an excavator had to be used to open the septic tank. This is considered inaccessible.
2. There was extensive damage to the side wall of the septic tank as well as the baffle wall. The septic tank is not structurally sound, and the lid is not resting on anything in the

area where the side wall is damaged. Furthermore, a significant amount of dirt has collected on the bottom of the tank, due to the damage.

3. The outlet tee was not securely installed on the outlet pipe, and it was easily removed.
4. The water level was low upon opening the septic tank. This is likely due to the extensive damage to the side wall of the septic tank as well as leaking from the outlet tee connection.
5. The driveway crosses over top of the drain field line. Although drain lines should not be subjected to vehicular traffic, I did not observe there to be any sign of a malfunction resulting from vehicular traffic over top of the drain field line.

Recommended Care For Your Septic System:

1. Clean the outlet effluent filter once every year (if present).
2. Pump out the septic tank every 3-5 years.
3. Do not exceed the design daily flow rate for the system which is 120 gallons of water per bedroom per day. Exceeding eighty percent of the design daily flow rate, consistently, may increase the probability of septic system malfunction.
4. Do not put anything into the septic system besides human waste and toilet tissue. No wipes should be flushed, even if they are labeled as flushable. These do not break down properly inside of the septic tank, and may result in the need for more frequent pumping of the tank.
5. Do not pour grease or drippings into the drains. This may result in irreparable damage to the drain field lines.
6. Garbage disposals should not be installed on homes with a septic system.
7. If a water softener is installed, then the backwash should not drain into the septic system. The waste by-products in the softener system can cause damage to the drain field, add excess water that the system has to treat, and clog the effluent filter. Water softener backwash is not wastewater and can dump directly to the surface of the ground.
8. Keep the drain field area properly maintained. Do not leave vegetation such as trees and shrubs to go unmanaged as the roots from these can cause damage to the system. Keep a good ground cover, such as grass, over this area to prevent erosion, and to achieve more evapotranspiration. Do not allow settled areas or holes to remain. Any low spots will allow storm water to puddle, which will eventually drain down into the drain field media. The drain field media is for storage of wastewater, not storm water. Any accumulation of storm water in the media will reduce the system's capacity to treat the wastewater.
9. Do not drive vehicles over top of the septic system and drain field. In some instances, grading must be done in and around the drain field to properly maintain it. When grading over the drain field lines, special care should be taken when crossing over the

lines with heavy equipment, especially over areas that do not contain much soil cover. It is recommended that only a licensed septic professional perform any grading work in or around the septic system.

Sincerely,

Stephen Holland
NC Septic Inspector License: 6901i
Grade IV NC Septic Installer License: 6901
SS Onsite Wastewater System Operator: 1011875

Holland Septic Services
HollandSepticServices@gmail.com
(984) 220-3486
PO Box 277
Buies Creek, NC 27506

PICTURES

P1. House Frontag

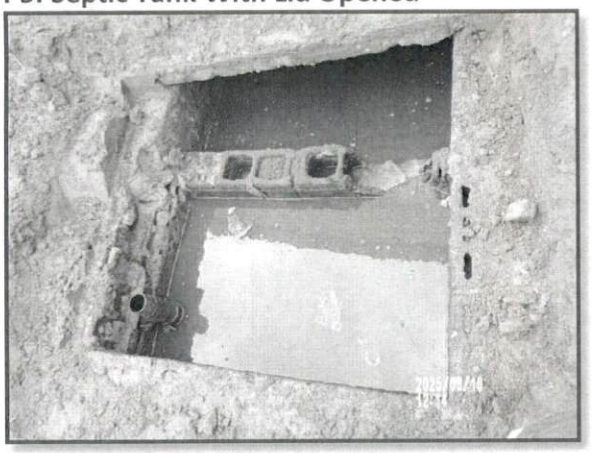
P2. Water Meter Location

3. Septic Tank Location

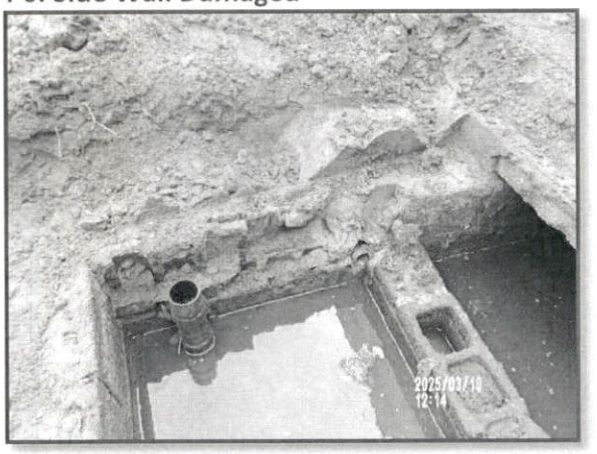
P4. Septic Tank Access Lid

PICTURES

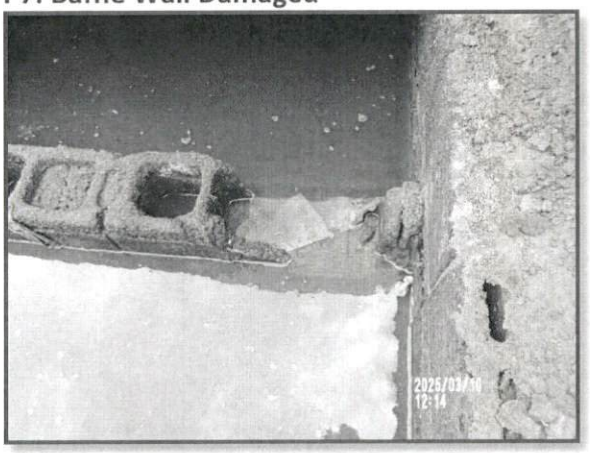
P5. Septic Tank With Lid Opened



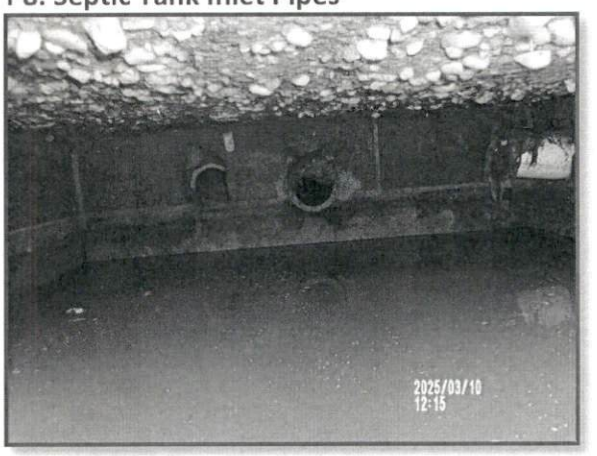
P6. Side Wall Damaged



P7. Baffle Wall Damaged

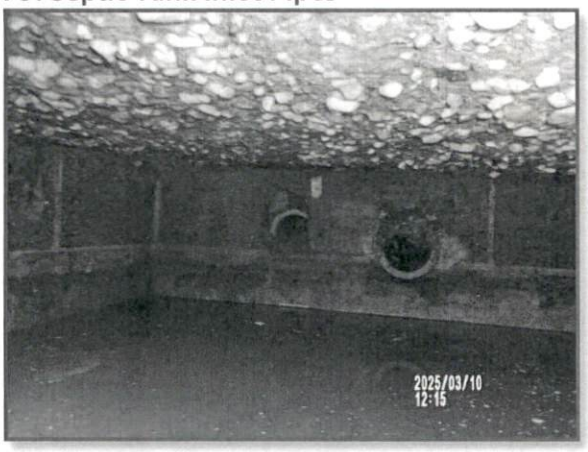


P8. Septic Tank Inlet Pipes



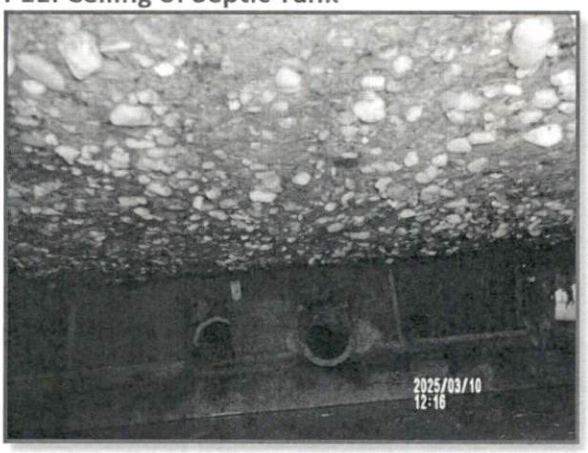
PICTURES

P9. Septic Tank Inlet Pipes

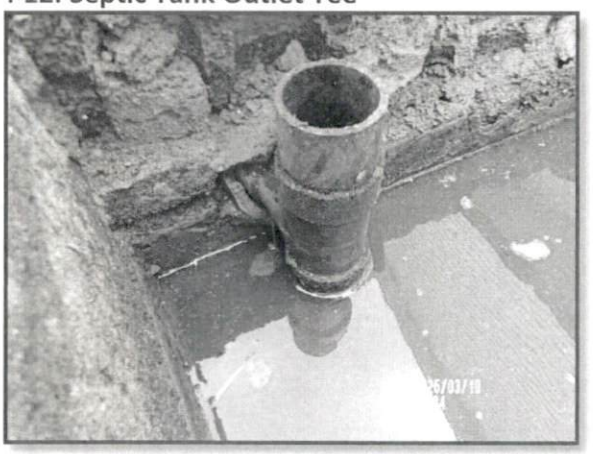


P10. Septic Tank Inlet Pipe

P11. Ceiling of Septic Tank



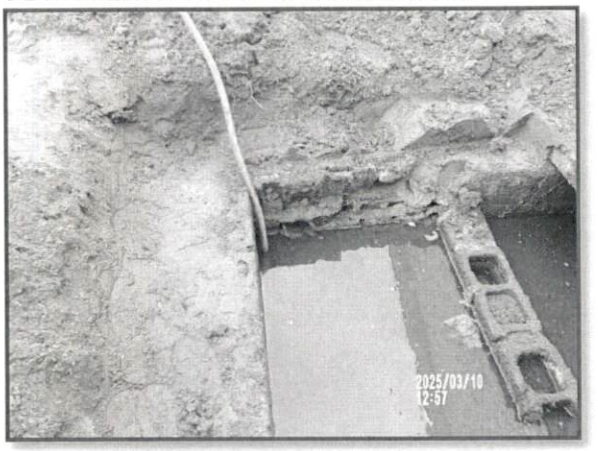
P12. Septic Tank Outlet Tee



PICTURES

P13. Septic Tank Outlet Tee & Water Level

P14. Water Level With Tee Removed

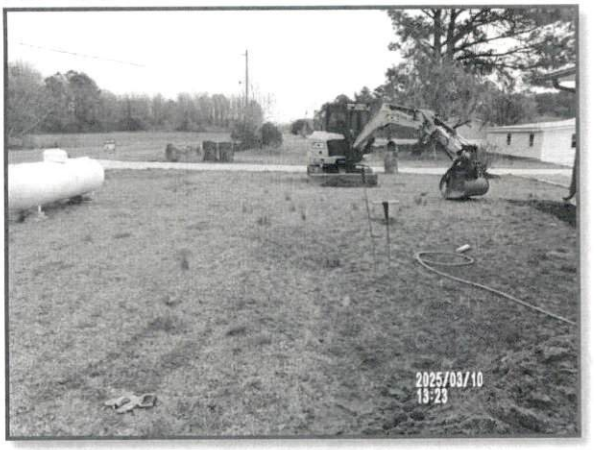


P15. Septic Tank Outlet Tee Not Secured

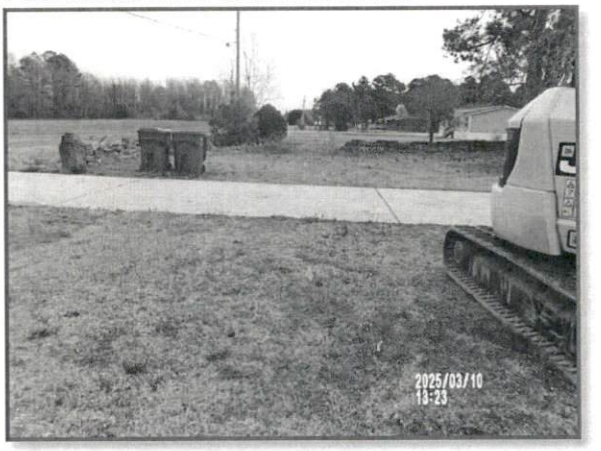
P16. Location of Well

PICTURES

P17. Location of Drain Field Line



P18. Location of Drain Field Line



P19. End Of Drain Line & Drainage Way

Disclaimer:

No representation, warranties or opinions are hereby given, written or expressed otherwise, as to the future performance of the sanitary sewage disposal system described herein. This onsite wastewater system inspection is a presentation of the facts discovered on the date of the system inspection. Holland Septic Services does not accept responsibility for any consequences arising from the use of the information herein.

This report is based on matters which were observed or came to the attention of the inspector on the date of the inspection and should not be relied upon as a comprehensive record of all possible issues that may exist or potential improvements that can be made.

Notice of Confidentiality:

This onsite wastewater system inspection contains information belonging to Holland Septic Services and its client. Do not forward, copy, or otherwise disclose to anyone unless permitted by Holland Septic Services. This is intended to maintain the integrity and credibility of the processes involved in performing a septic inspection as well as to protect the interests of the parties involved. If you are not the intended recipient, please notify Holland Septic Services immediately.

On-site Wastewater Pre-inspection Contract

Client Name: Chris Tickle

Client Address: 3011 September DR

Client Phone: (919) 369-0720

Property Address: 5311 Fairground Road, Dunn N.C. 28334

Client is: ☐ Owner of Record ☐ Realtor ☐ Lender ■ Buyer ☐ Seller
☐ Other (Describe) _____

Certified Inspector Name: Stephen Holland

Company Name: Holland Septic Services

Company Address: PO Box 277
Buies Creek, NC 27506

Inspector Certification Number: 6901i **Inspector Phone:** (984) 220-3486

Certification Expires: December 31, 20 25

The on-site wastewater system inspection, hereinafter referred to as Inspection, shall be performed in accordance with 21 NCAC 39 .1004, 21 NCAC 39 .1005 and 21 NCAC 39 .1006. General Statutes, Rules and Minimum Inspection Requirements, can be viewed at www.ncowcicb.info

Services provided shall include: ■ **Inspection meeting minimum requirements**
☐ **Pumping of Tank**
☐ **Other (Describe)** _____

Cost of Services to be provided: $ 465.67

Pumping Authorization

☑ **I decline to have the Septic Tank pumped as part of the Inspection. Client requesting this Inspection has been advised that for a complete Inspection to be performed, the tank needs to be pumped. Client has declined to have the tank pumped at Inspection and hereby acknowledges they have so declined." [per 21 NCAC 39 .1006 (b)(2)(S)]**

Inspector is not required to report on:

1) **Life expectancy of any component or system**
2) **The causes of the need for a repair**
3) **The methods, materials and costs of corrections**
4) **The suitability of the property for any specialized use**
5) **The market value of the property or its marketability**
6) **The advisability or inadvisability of purchase of the property**
7) **Normal wear and tear to the system**

Inspector is not required to:

1) Identify property lines
2) Offer warranties or guarantees of any kind
3) Calculate the strength, adequacy, or efficiency of any system or component
4) Operate any system or component that does not respond to normal operating controls
5) Move excessive vegetation, structures, personal items, panels, furniture, equipment, snow, ice, or debris that obstruct access to or visibility of the system and any related components
6) Determine the presence or absence of any suspected adverse environmental condition or hazardous substance, including toxins, carcinogens, noise, and contaminants in the building or in soil, water, and air
7) Determine the effectiveness of any system installed to control or remove suspected hazardous substances
8) Predict future condition, including failure of components
9) Project operating costs of components
10) Evaluate acoustical characteristics of any system or component
11) Inspect equipment or accessories that are not listed as components to be inspected
12) Conduct dosing volume calculations
13) Evaluate soil conditions beyond saturation or ponding
14) Evaluate for the presence or condition of buried fuel storage tanks
15) Evaluate the system for proper sizing, design, or use of proper materials
16) Perform a hydraulic load test on the system

Inspector is required to:

1) Uncover tank lids and distribution devices so as to gain access unless blocked as described om 21 MCAC 39 .1004(b)(5). The distribution box may remain covered if the Inspector has an alternate method of observing its condition.
2) Probe system components where deterioration is suspected
3) Report the methods used to inspect the on-site wastewater system
4) Open readily accessible and readily openable components
5) Report signs of abnormal or harmful water entry into or out of the system or components

As required by 21 NCAC 39 .1002 (1) this contract must be provided by Inspector and signed by client or client's representative prior to Inspection being performed.

Signature below acknowledges receipt of copy of this contract and acceptance of Inspection as stated above:

Christopher L Tickle (Mar 9, 2025 09:20 EDT)

Signature of Client or Client's Representative — **Date** 9 March 2025

Signature of Inspector — **Date** 09MAR2025

Note: 21 NCAC 39 .1002 (2) Requires written permission from owner or owner's representative to perform the inspection must be acquired prior to the inspection.