

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

OWNER NAME Benjamin Inman EMAIL ADDRESS: hermsol@gmail.com
PHONE 919-961-2591
PHYSICAL ADDRESS 134 Pear Tree Lane, Frying-Varin NC 27526
MAILING ADDRESS (IF DIFFERENT 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 Stick built Other _____

Number of bedrooms 3 Basement

Garage: Yes No Dishwasher: Yes No Garbage Disposal: Yes No

Water Supply: Private Well Community System County

Directions from Lillington to your site: 401 North to 1/2 mile Post
Raul's Church Rd, Pear Tree lane on right,
Last house on right

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.

Benjamin Inman
Owner Signature

9/26/22
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 NO
Also, within the last 5 years have you completed an application for repair for this site? YES NO

Year home was built (or year of septic tank installation) 1972
Installer of system _____
Septic Tank Pumper _____
Designer of System _____

1. Number of people who live in house? 2 # adults _____ # children _____ # total _____
2. What is your average estimated daily water usage? _____ gallons/month or day _____ county water. If HCPU please give the name the bill is listed in Benjamin Loman
3. If you have a garbage disposal, how often is it used? daily weekly monthly
4. When was the septic tank last pumped? _____ How often do you have it pumped? 9/19/22
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 weekly monthly
7. Do you have a water softener or treatment system? YES NO Where does it drain?

8. Do you use an "in tank" toilet bowl sanitizer? YES NO
9. Are you or any member in your household using long term prescription drugs, antibiotics or chemotherapy? YES NO If yes please list _____
10. Do you put household cleaning chemicals down the drain? YES NO If so, what kind?

11. Have you put any chemicals (paints, thinners, etc.) down the drain? YES NO
12. Have you installed any water fixtures since your system has been installed? YES 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 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:
 Power Phone Cable Gas Water
16. Describe what is happening when you are having problems with your septic system, and when was this first noticed?
Noticed 9/26/22. Water is ~~flowing~~ flowing on to the surface of the leach field; ADD drain line goes onto neighbor's land
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 NO If Yes, please list _____

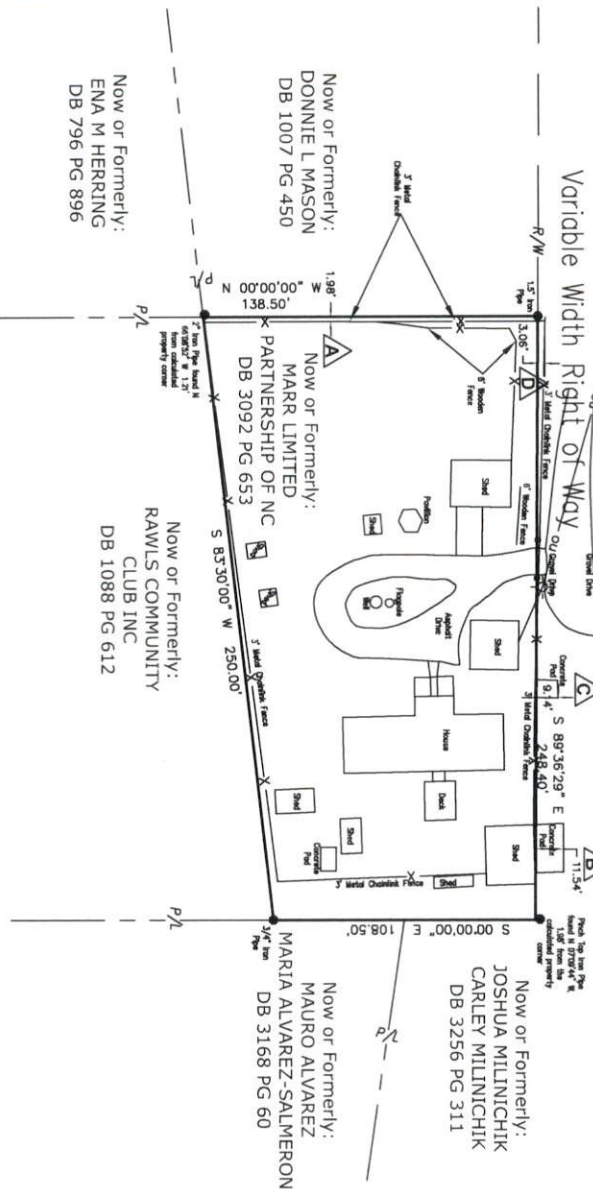
MISCELLANEOUS NOTES:

- All plot distances are horizontal ground measurements in US Survey Feet unless otherwise noted.
- All areas are computed via the coordinate method unless otherwise noted.
- Reference Record: DB 2072, PG 653 of the Harnett County Register of Deeds.
- The Monumentation was performed on May 17, 2022.
- The field work was completed on May 17, 2022.

SURVEYOR'S OBSERVATIONS:

- ▲ Adjacent's chainlink fence appears to be a maximum distance of 1.00' over the property line.
- ▲ Subject's concrete pad appears to be a maximum distance of 11.54' into Pear Tree Lane.
- ▲ Subject's concrete pad appears to be a maximum distance of 9.14' into Pear Tree Lane.
- ▲ Subject's chainlink fence appears to be a maximum distance of 3.00' into Pear Tree Lane.

Pear Tree Lane



SMITH SURVEYING SOLUTIONS, PLLC
 FIRM NUMBER P-2276
 2501 KILGORE AVENUE, APARTMENT D
 RALEIGH, NC 27607
 PHONE (904) 995-5716

TOTAL LAND AREA:
 30,677 Square Feet
 0.7042 Acres

SYMBOL LEGEND

P/L	— Adjurer Property Line Not Surveyed
R/W	— Right of Way Line
●	— Monumentation Found as Noted
■	— 5/8" Iron Rebar Set
○	— Telephone Pedestal
□	— Cleanout
⊞	— Mail Box
⊞	— Gas Valve
X	— Fence (As Noted)
⊙	— Light Pole
⊞	— Water Meter
⊞	— Overhead Utilities
▲	— Surveyor's Observation

CERTIFICATION:

I, Gardner H. Smith, certify that this plat was drawn under my supervision from an actual survey made under my supervision from the description of the property found in Deed Book 3092, Page 653, of the Harnett County Register of Deeds. This plat was prepared in accordance with the provisions of Chapter 42A, Article 1, of the General Statutes of North Carolina, and I hereby certify that this plat is a true and correct copy of the original survey as shown to me on this day of May, A.D., 2022.



Gardner H. Smith
 Professional Land Surveyor
 L-5370



NORTH
 DB 3092 Pg 653



PLAT OF SURVEY
FOR:
MARR LLC
OF:

DESCRIPTION OF
PROPERTY FOUND
IN DB 3092 PG 653

Recorded In:
 DB 3092 PG 653
 Located At:

134 Pear Tree Lane
 Town of Fuquay-Varina
 County of Harnett
 State of North Carolina
 Sheet No. **1** of **1**

Matthew S. Willis Register of Deeds
 Harnett County, NC
 Electronically Recorded
 06/17/2022 03:17:54 PM NC Rev Stamp: \$640.00
 Book: 4155 Page: 1679 - 1681 (3) Fee: \$26.00
 Instrument Number: 2022103094

HARNETT COUNTY TAX ID#
 080654 0067

06-17-2022 BY TH

This instrument was prepared by Katie Dowell of Raleigh Real Estate Law, a licensed North Carolina attorney. Delinquent taxes, if any, to be paid by the closing attorney to the county tax collector upon disbursement of closing proceeds.

NORTH CAROLINA GENERAL WARRANTY DEED

Excise Tax:	\$640.00
Parcel ID:	080654 0067
Mail/Box to:	Raleigh Real Estate Law, 7008 Harps Mill Rd, Ste 101, Raleigh, NC 27615
Prepared by:	Raleigh Real Estate Law, 7008 Harps Mill Rd, Ste 101, Raleigh, NC 27615
Brief description for the index:	Metes and Bounds

THIS GENERAL WARRANTY DEED ("Deed") is made on the 31 day of May, 2022, by and between:

GRANTOR	GRANTEE
MARR Limited Partnership of NC, a North Carolina Partnership 9332 Ransdell Road Raleigh, NC 27603	Benjamin Thomas Inman, an unmarried man 134 Pear Tree Lane Fuquay Varina, NC 27526

Enter in the appropriate block for each Grantor and Grantee their name, mailing address, and, if appropriate, state of organization and character of entity, e.g. North Carolina or other corporation, LLC, or partnership. Grantor and Grantee includes the above parties and their respective heirs, successors, and assigns, whether singular, plural, masculine, feminine or neuter, as required by context.

FOR VALUABLE CONSIDERATION paid by Grantee, the receipt and legal sufficiency of which is acknowledged, Grantor by this Deed does hereby grant, bargain, sell and convey to Grantee, in fee simple, all that certain lot, parcel of land or condominium unit in the City of Fuquay Varina, Fuquay Varina City, Harnett County, North Carolina and more particularly described as follows (the "Property"):

See Exhibit A

All or a portion of the Property was acquired by Grantor by instrument recorded in Book 015017 page 00581.

All or a portion of the Property includes or does not include the primary residence of a Grantor.

A map showing the Property is recorded in Plat Book _____ page _____.

TO HAVE AND TO HOLD the Property and all privileges and appurtenances thereto belonging to Grantee in fee simple. Grantor covenants with Grantee that Grantor is seized of the Property in fee simple, Grantor has the right to convey the Property in fee simple, title to the Property is marketable and free and clear of all encumbrances, and Grantor shall warrant and defend the title against the lawful claims of all persons whomsoever, other than the following exceptions:

IN WITNESS WHEREOF, the Grantor has duly executed this North Carolina General Warranty Deed, if an entity by its duly authorized representative.

Name: _____

Marr Limited Partnership of NC
Entity Name

Name: _____

By: Melissa Cook
Name: Melissa Cook
Title: General Partner

Name: _____

By: _____

Name: _____

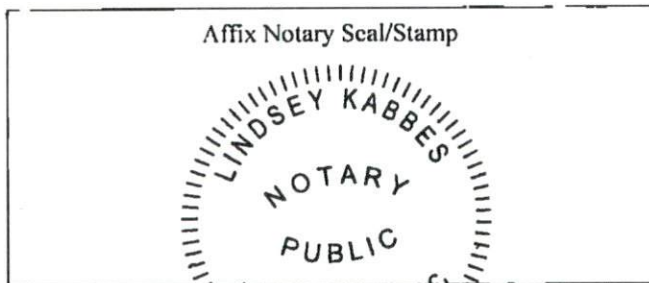
Name: _____

Title: _____

STATE OF NC, COUNTY OF Wake

I, Lindsey Kabbes, a Notary of the above state and county, certify that the following person(s) personally appeared before me on the 31st day of May, 20 22 each acknowledging to me that he/she/they signed the foregoing document, in the capacity represented and identified therein (if any):

Melissa Cook as General Partner of Marr Limited Partnership of NC



Lindsey Kabbes
Notary Public (Official Signature)
My commission expires: 5/10/2026

Exhibit "A":

BEGINNING at an iron pipe in the southern right of way of a 30 ft. road in the line of John Gardner property (this point being located due South 234.6 ft. of a common corner with John Gardner land and Baucom land, formerly Whittington), and runs thence along the Gardner line due South 108.5 ft. to an existing iron pipe corner with Rawls Community Club; thence along the club line South 83 degrees 30 minutes West 250 ft. to an iron pipe, a corner with Bullock and Rawls Community Club; thence along a .55 acre lot line due North 138.5 ft. to an iron pipe in the southern right of way of a road; thence along the southern right of way of said road South 89 degrees 36 minutes East 248.4 ft. to the point of BEGINNING and containing 0.70 of an acre.

This lot being the second tract in Book 691, Page 198, see also book 634, page 561, Book 725, Page 883, Book 731, Page 95 and Book 189, Page 345, Book 743, Page 758, Book 823, Page 621, Harnett County Registry.

Which has the following street address: 134 Pear Tree Lane, Fuquay Varina, NC 27526

NCSI

**KEEPING NORTH CAROLINA'S ENVIRONMENT CLEAN
"ONE TANK AT A TIME!"**

INSPECTION REPORT:

**PROPERTY ADDRESS: 134 Pear Tree Lane
Fuquay Varina, NC 27526**

DATE OF INSPECTION: May 11, 2022



NORTH CAROLINA SEPTIC INSPECTIONS

VENICE "DAN" PINER

NCOWCICB Certification #: 34341

Grade IV Septic Tank Contractor / Installer

KEVIN HOSKINS, Certified Inspector

NCOWCICB Certification #: 57121

PHONE: 919-880-1590

EMAIL:

dan@ncsepticinspections.com

A. CONTACT INFORMATION

Inspection requested by: Jamie Phillips (Office Manager)
Nest Egg Home Services

Phone: 919-436-4663 E-mail: inspections@nestegghomes.com

Current Owner: Owner of Record

Site Address: 134 Pear Tree Lane, Fuquay Varina, NC 27526

Operator in Responsible Charge: **(ORC):** Required Not Required
 Current contract expiration date: N/A
 Required O&M service frequency: N/A
 Date of last service: N/A

B. SYSTEM INSPECTION

Inspection Performed on: Date: *May 11, 2022* Time: *10:00 AM To 12:30 PM*

Estimated Design Flow: 360 Gal/Per/Day (Consistent for 3 Bedrooms)

Indicate Source of Design Flow:

Permit from Harnett County **was not** available at time of inspection.

Design Flow based on Permit: (Permit not available)

Number of Permitted Bedrooms: (Could not Confirm)

Designed Flow Based on Permit: (Could not Confirm)

Design Flow Based on Real Estate Listing:

Number of bedrooms per real estate listing: 3 Bedrooms

Design flow per real estate listing: 360 Gal/Per/Day

TMLS Realtor.com Zillow

Present Estimated Daily Flow:

Is Home Occupied? No (Home is Vacant)

Daily Flow? 0 to 3 gallons/per/day

Slow Drip? No

SUMMARY INSPECTION REPORT:

134 Pear Tree Lane
Fuquay Varina, NC 27526

At the conclusion of the Septic Tank Inspection and the Wastewater Evaluation, it was determined that the following maintenance and repair items are recommended for your consideration. Additional information pertaining to the operation of this system, along with some suggest improvement items are also included in this report. This summary is not the entire report. The complete report may include additional information of interest or concerns to you. It is strongly recommended that you read the complete report. Warning...The following pictures may also be considered graphic in nature.

Suggested Repair Items:

- 1). Considering the current depth of mixed solids, sludge, and the thickness of surface scum, in addition to non-biodegradable materials, it is recommended that septic tank be pumped and cleaned. Septic tanks of this age should be pumped on a 3 to 5 year rotation, or sooner, if necessary (see page 8 for additional information and pictures).
- 2). End wall of tank appears to have extensive deterioration. Further evaluation by Service Provider will be necessary to determine if this area can be repaired. (see page 9 for additional information and pictures).
- 3). To prevent the infiltration of ground water and roots, in addition to possible effluent leak-age, it is recommended that Service Provider reseal around the outlet wastewater supply pipe in septic tank with non-expansion grout or with the appropriate hydro-cement sealant (see page 10 for additional information and pictures).
- 4). To prevent an interruption of service, it is recommended that Service Provider make the necessary upgrades to the wiring and electrical components servicing the pump tank (see page 11 for additional information and pictures).
- 5). At time of pump cycle effluent pump appeared to be short cycling. Further evaluation and a repair or replacement of pump is recommended. Service provider should make the necessary repairs to floats and pump to assure that effluent is being delivered to the soil absorption area as intended (see page 12 for additional information and pictures).
- 6). Highwater alarm float should be functioning at all time. It is recommended that Service provider make the necessary repair to assure alarm is functioning (see page 13 for additional information and pictures).

SUMMARY INSPECTION REPORT:

134 Pear Tree Lane
Fuquay Varina, NC 27526

Suggested Improvement Item:

- 7). Because of the age of system, consideration should be given to install a PVC sanitary baffle tee with an effluent strainer. This updated improvement is not uncommon in older systems and is highly recommended with pump systems. For your information, a sanitary tee with effluent strainer, prevents, sludge, mixed solids, scum, and in some cases non bio-degradable products, from exiting the tank and lodging in the pump tank, causing a blockage which can disrupt the flow of effluent to the soil absorption area beneath the lines (see page 14 for additional information and pictures).

- 8). Considering the depth that tank is buried beneath the soil surface and the amount of time and difficulty in uncovering the inlet primary and outlet secondary chamber access openings to pump and clean the tank, it is recommended extending the risers to a minimum of 6 inches above finished grade (see page 15 for additional information and pictures).

SYSTEM INSPECTION REPORT:

On-site Wastewater Inspection

<i>Feet from Foundation:</i> <i>NC Code (No Less than 5 Feet)</i>	<input checked="" type="checkbox"/> 8 Feet
<i>Is Foundation of home an encroachment?</i>	<input checked="" type="checkbox"/> No
<i>Feet from Deck?</i> <i>NC Code (No Less than 5 Feet)</i>	<input checked="" type="checkbox"/> 2 Feet 6 Inches
<i>Is Deck an encroachment?</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Non-applicable
<i>Feet from well if applicable:</i> <i>NC Code (No Less than 50 feet)</i>	<input checked="" type="checkbox"/> 100 Plus Feet
<i>Community water or county water available?</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Non-applicable
<i>Feet from main water line if applicable:</i> <i>NC Code (No Less than 10 Feet)</i>	<input checked="" type="checkbox"/> 10 Plus Feet <input type="checkbox"/> Less Than 10 Feet <input type="checkbox"/> Non-applicable
<i>Is there an irrigation system?</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Could not Confirm
<i>Distance tank is located from property line:</i> <i>NC Code (No Less than 10 Feet)</i>	<input checked="" type="checkbox"/> 10 Plus Feet <input type="checkbox"/> Less Than 10 Feet <input type="checkbox"/> Could not Confirm
<i>Were property lines flagged?</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Could not Confirm
<i>Average depth of tank below finished grade?</i>	<input checked="" type="checkbox"/> 15 to 17 Inches <input type="checkbox"/> Could not Confirm
<i>Were Risers present?</i>	<input checked="" type="checkbox"/> No, (However, Risers are Recommended)
<i>Type of Riser (material used)?</i>	<input checked="" type="checkbox"/> Non-applicable
<i>Condition of inlet riser lid?</i>	<input checked="" type="checkbox"/> Non-applicable
<i>Condition of inlet riser base?</i>	<input checked="" type="checkbox"/> Non-applicable
<i>Condition of outlet riser lid?</i>	<input checked="" type="checkbox"/> Non-applicable
<i>Condition of outlet riser base?</i>	<input checked="" type="checkbox"/> Non-applicable
<i>Condition of inlet access tank lid?</i>	<input checked="" type="checkbox"/> Did not Access
<i>Condition of inlet access lid handle?</i>	<input checked="" type="checkbox"/> Did not Confirm
<i>Condition of outlet access tank lid?</i>	<input checked="" type="checkbox"/> Chipped Corners (Acceptable)
<i>Condition of outlet access lid handle?</i>	<input checked="" type="checkbox"/> Metal Handle (OK)
<i>Condition of center baffle wall lid?</i>	<input checked="" type="checkbox"/> Non-applicable
<i>Condition of baffle wall handle?</i>	<input checked="" type="checkbox"/> Non-applicable
<i>Condition of baffle wall?</i>	<input checked="" type="checkbox"/> Single Chamber Tank (No Baffle Wall)
<i>Were stress cracks present at access openings?</i>	<input checked="" type="checkbox"/> Yes (Age-related)
<i>Does tank have an outlet baffle tee?</i>	<input checked="" type="checkbox"/> No
<i>If baffle tee is present, what type of tee?</i>	<input checked="" type="checkbox"/> No Tee was Present
<i>Condition of outlet baffle tee? (ABS)</i>	<input checked="" type="checkbox"/> No Baffle Tee was Present
<i>Should existing tee be replaced with pvc tee?</i>	<input checked="" type="checkbox"/> Non-applicable
<i>Should effluent strainer/filter be installed?</i>	<input checked="" type="checkbox"/> Non-applicable
<i>Condition of filter/strainer if present?</i>	<input checked="" type="checkbox"/> Non-applicable
<i>Are roots present in tank?</i>	<input checked="" type="checkbox"/> Limited
<i>Does tank appear to be watertight?</i>	<input checked="" type="checkbox"/> Could not Confirm
<i>Water level in tank relative to tank outlet?</i>	<input checked="" type="checkbox"/> At Invert of Outlet (Normal)
<i>Single chamber tank with no baffle wall?</i>	<input checked="" type="checkbox"/> Yes

SYSTEM INSPECTION REPORT:

<i>Is leakage suspected?</i>	<input checked="" type="checkbox"/> Could not Confirm
<i>Is concrete etching present at static water line?</i>	<input checked="" type="checkbox"/> Yes (Extensive, however, Age-related)
<i>Is interior corrosion present?</i>	<input checked="" type="checkbox"/> Extensive Corrosion
<i>Evidence of non-permitted connections?</i>	<input checked="" type="checkbox"/> None Were Visible
<i>Inlet wastewater supply pipe visible?</i>	<input checked="" type="checkbox"/> Yes
<i>Outlet wastewater supply pipe visible?</i>	<input checked="" type="checkbox"/> Yes
<i>Inlet primary chamber floating scum measurement?</i>	<input checked="" type="checkbox"/> Non-applicable (Single Chamber Tank)
<i>Inlet primary chamber bottom sludge measurement?</i>	<input checked="" type="checkbox"/> Non-applicable (Single Chamber Tank)
<i>Outlet secondary chamber floating scum measurement?</i>	<input checked="" type="checkbox"/> Non-applicable (Single Chamber Tank)
<i>Outlet secondary chamber bottom sludge measurement?</i>	<input checked="" type="checkbox"/> Non-applicable (Single Chamber Tank)
<i>Date tank was last pumped (if known)?</i>	<input checked="" type="checkbox"/> Unknown
<i>Should tank be pumped at this time?</i>	<input checked="" type="checkbox"/> Yes
<i>If single chamber tank, average sludge, and scum depth?</i>	<input checked="" type="checkbox"/> 15 to 17 Inches

Does system have a pump tank? Yes (Complete Report Below) No

PUMP TANK SYSTEM INSPECTION REPORT:

<i>Feet from foundation:</i> <i>NC Code (No Less than 5 Feet)</i>	<input checked="" type="checkbox"/> 20 Feet (Plus)		
<i>Is foundation of home an encroachment?</i>	<input checked="" type="checkbox"/> No		
<i>Feet from Deck?</i> <i>NC Code (No Less than 5 Feet)</i>	<input checked="" type="checkbox"/> Non-applicable		
<i>Is Driveway an encroachment?</i>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Could not Confirm
<i>Feet from well if applicable:</i> <i>NC Code (No Less than 50 feet)</i>	<input checked="" type="checkbox"/> 100 Feet (Plus)		
<i>Feet from Septic tank?</i>	<input checked="" type="checkbox"/> 3 Feet (Plus)	<input type="checkbox"/> See Note	
<i>Feet from water line if applicable:</i> <i>NC Code (No Less than 10 Feet)</i>	<input checked="" type="checkbox"/> 10 Plus Feet	<input type="checkbox"/> See Note	
	<input type="checkbox"/> Less Than 10 Feet		
<i>Distance P-tank is located from property line:</i> <i>NC Code (No Less than 10 Feet)</i>	<input checked="" type="checkbox"/> 10 Plus Feet	<input type="checkbox"/> See Note	
	<input type="checkbox"/> Less Than 10 Feet		
<i>Were property lines flagged?</i>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> See Note
<i>Depth of pump tank below finished grade?</i>	<input checked="" type="checkbox"/> 15 to 17 Inches	<input type="checkbox"/> See Note	
<i>Was a riser present?</i>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> See Note
<i>Type of riser (material used)?</i>	<input checked="" type="checkbox"/> Concrete		
<i>Condition of pump tank riser lid?</i>	<input checked="" type="checkbox"/> Chipped Corners (Acceptable)		
<i>Condition of pump tank riser (base)?</i>	<input checked="" type="checkbox"/> Chipped Corners		
<i>Condition of riser handles (if present)?</i>	<input checked="" type="checkbox"/> Handles are not Required or necessary		
<i>Condition of pump tank riser (base)?</i>	<input checked="" type="checkbox"/> OK		
<i>Was a safety pan present?</i>	<input checked="" type="checkbox"/> Concrete Lid (Safety Pan is not Required)		
<i>Are roots present in pump tank?</i>	<input checked="" type="checkbox"/> Limited		
<i>Does pump tank appear to be watertight?</i>	<input checked="" type="checkbox"/> Could not Confirm		
<i>Is leakage suspected?</i>	<input checked="" type="checkbox"/> No		

SYSTEM INSPECTION REPORT:

<i>Location of pump tank control panel box?</i>	<input checked="" type="checkbox"/> Junction Box is Located next to Pump Tank
<i>Type of electrical panel box?</i>	<input checked="" type="checkbox"/> Piggyback Junction Box
<i>Condition of control (panel-junction) box?</i>	<input checked="" type="checkbox"/> See Suggested Repair Items
<i>Panel box watertight?</i>	<input checked="" type="checkbox"/> Could not Confirm
<i>Height of panel box above finished grade?</i>	<input checked="" type="checkbox"/> 6 Inches
<i>Should panel box be raised?</i>	<input checked="" type="checkbox"/> Recommend a Minimum of 12 In. above Grade
<i>Audible alarm functioning? (Float)</i>	<input checked="" type="checkbox"/> No (See Suggested Repair Items)
<i>Visual alarm functioning? (Float)</i>	<input checked="" type="checkbox"/> See Suggested Repair Items
<i>Alarm test switch working properly?</i>	<input checked="" type="checkbox"/> See Suggested Repair Items
<i>Type of water sensors?</i>	<input checked="" type="checkbox"/> Floats
<i>Quick disconnect present?</i>	<input checked="" type="checkbox"/> Yes
<i>Backflow (check valve) present?</i>	<input checked="" type="checkbox"/> Yes (Appears to be a Check Valve Present)
<i>Effluent pump operable?</i>	<input checked="" type="checkbox"/> See Suggested Repair Items
<i>Effluent delivery to distribution device?</i>	<input checked="" type="checkbox"/> Yes (Could not Located distribution devices)

134 Pear Tree Lane
Fuquay Varina, NC 27526

COMMENTS:

At time of inspection, a copy of the septic permit from the Harnett County Department of Environmental Health was not available. Installation of the septic tank, pump tank, distribution devices and nitrification areas may not be exactly as shown on repair permit issued by the County. Septic tank is located approximately 8 feet from foundation of home which does meet the 5 feet minimum required separation distance between a septic tank and homes built over a crawl space. Deck support post are less than the 5 feet distance, however, the location of the post to not appear to have compromised the structural integrity of the tank. Septic tank was not pumped at time of inspection, therefore, the inspection of the interior was only done from the liquid level up to and including the free boarding area. Septic tank is a single chamber tank with no interior dividing baffle wall. Visual inspection of exposed areas of interior walls did not reveal extensive corrosion and deterioration. FYI: This condition is normal for tank of this age. Inside/outside measurements estimate the size of the septic tank to be approximately **900 to 1000 gallons.**

Septic tanks installed **before**, January 01, 1999, are manufactured with a pre-cast concrete outlet baffle tee. Original tee has been removed and PVC straight pipe has been installed between the septic tank and pump tank. For your information, baffle tees are designed to prevent sludge, mixed solids, scum and in some case, non-biodegradable products from drifting over into the pump tank. These waste items can create clogs and blockages in effluent pump resulting in an interruption of service. It is recommended that that an outlet PVC sanitary baffle tee with effluent strainer be installed (see repair items). This updated improvement is not uncommon in older systems and is highly recommended. Invert of inlet wastewater supply line and invert of outlet wastewater supply line may not be installed at the correct height. Scum thickness was estimated to be approximately 10 to 12 inches in depth. Column sampling revealed sludge and mixed solid measurement to be approximately 14 inches. The depth of mixed solids and sludge in subject tank is consistent with tanks that have not had recent general pumping maintenance performed.

SYSTEM INSPECTION REPORT:

134 Pear Tree Lane
Fuquay Varina, NC 27526

For your maintenance records, it is recommended that seller provide the date of the last scheduled pumping and the service provider that performed the service. At time of inspection water was not available, therefore a flow test could not be performed. The inspection of the pump tank could only identify the pump tank float. High water alarm float was not visible. Electrical piggyback junction box was located and inspected. Box is exposed to the elements and is not watertight (see pictures).

At time of inspection, an unsuccessful attempt was made to locate and inspect the exact location of the distribution device and soil absorption area. Therefore, their actual physical could not be determined. FYI: A heavily vegetated area behind the barn is most likely the location leach field. At time of pump cycle water flow to this area was audible. **Septic systems are subterranean, without exposing the actual nitrification lines and the soil absorption area beneath the lines it is impossible to make an accurate assessment of their overall condition, especially in systems that are, or have been dormant for lengthy periods of time. More accurate assessments are done in homes that are occupied.** Caution should be observed to discourage vehicular traffic or disturbing the soil in and around the nitrification fields and the adjoining repair areas. A copy of the Septic Permit was not available at time of inspection. A copy of the original Operational Permit, if available, or any records of a previous repair permit should be obtained from the Harnett County Department of Environmental Health to verify the number of permitted bedrooms and to confirm the length of each nitrification line or lines. Properties deeded before, April 01, 1983, do not require a designated repair area, however, there appears to be adequate space available if a repair were to become necessary.

Per MLS, Zillow, and Realtor.com, subject property is listed as a 3 bedroom home. Systems permitted for 3 bedrooms are designed to allow 360 gallons of (ATAR gpd/ft) long-term acceptance rate/gallons per day/sq/ft of nitrification area making this system adequate in size for this property. Setback distance for the nitrification lines could not be conclusively determined. At time of inspection there was no evidence of any effluent seepage from the past or present at tank or pump tank, however, the suspected nitrification soil absorption area was inconclusive. Because of the age, septic tank should be pumped and cleaned on a 3 to 5 year rotation or sooner if needed; in addition to removing and cleaning the effluent strainer, when soiled, if one is installed in the existing outlet PVC sanitary baffle tee. Periodic inspections of the located distribution devices should also be done so that any accumulation of sand, sludge, or the infiltration of roots can be removed.

It is recommended to avoid planting shrubbery or large trees around septic systems. Roots from trees can infiltrate septic tanks and cause irreversible damage. Trees or shrubbery should not be planted in or around nitrification field. Excessive root growth can penetrate the orifices and contribute to nitrification lines not functioning at their full capacity. It is always recommended to properly maintain the vegetation growth over nitrification areas. Planting appropriate vegetation over the drain field is key to allowing a septic system to properly treat household wastewater and ensure the safety of your family and the environment. Caution should be observed when watering the area directly over the nitrification lines.

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Excessive watering in some cases can cause nitrification field to become oversaturated and restrict the flow of effluent. Continuous drips of water into septic systems from leaking faucets or flappers on commodes can contribute to the oversaturation of nitrification ditches resulting in system malfunctioning. Gutters downspouts should always be diverted away from nitrification areas, in addition, all permanent structures should be a minimum of 5 feet from any or all portions of a septic tank and its connecting nitrification lines.

Food waste disposal systems are not recommended in homes that are on septic systems. Garbage disposals increase the need for routine pumping. Eggshells, bones, and vegetables do not digest well and add more sludge to the tank. Baby or adult wipes, female hygiene products, plastics, and all non-biodegradable materials, should not be introduced to septic systems. Do not use sinks or toilets as trashcans. Dumping cooking oil, paper towels, household chemicals, paint, kitty litter, coffee grounds or even cigarette butts into sinks or toilets will increase the sludge layer in the tank resulting in the tank requiring more frequent pumping maintenance.

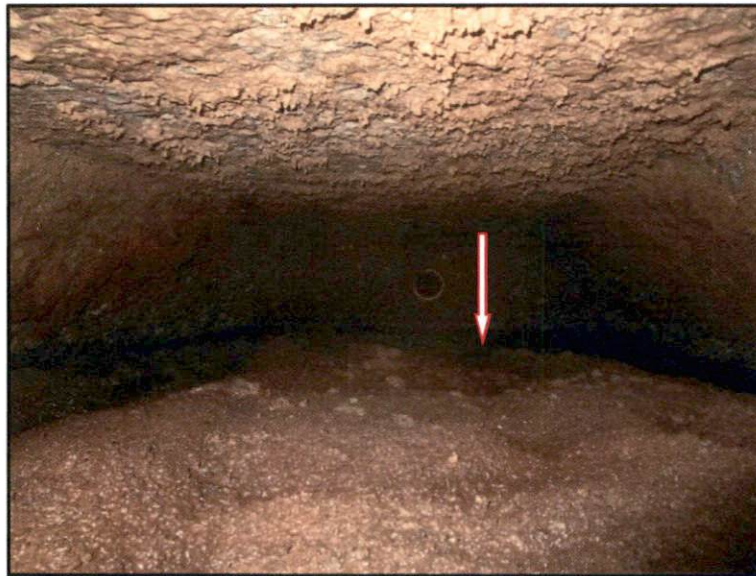
FYI: If a water softener is present or if one is installed in the future, it is recommended that the backwash water from the softener not be discharged directly into the wastewater dispersal system. In addition, the backwash should also not be discharged on the ground in and around the septic tank and the nitrification soil absorption area. These items have been linked directly to systems that have failed earlier than their normal life expectancy.

SUGGESTED MAINTENANCE AND REPAIR ITEM:

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- 1). Considering the current depth of mixed solids, sludge, and the thickness of surface scum, in addition to **non-biodegradable materials**, it is recommended that septic tank be pumped and cleaned. FYI: Systems of this age may require pumping maintenance more frequent. For your maintenance records, it is recommended that seller provide the date of the last scheduled pumping and the service provider that performed the service.

Single Chamber (Scum):



(Scum):



SUGGESTED MAINTENANCE AND REPAIR ITEM:

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- 2). Outlet end wall and around outlet supply pipe has extensive deterioration. Service Provider should re-inspect this area, after pumping, and make the necessary repairs.

Outlet End Wall:

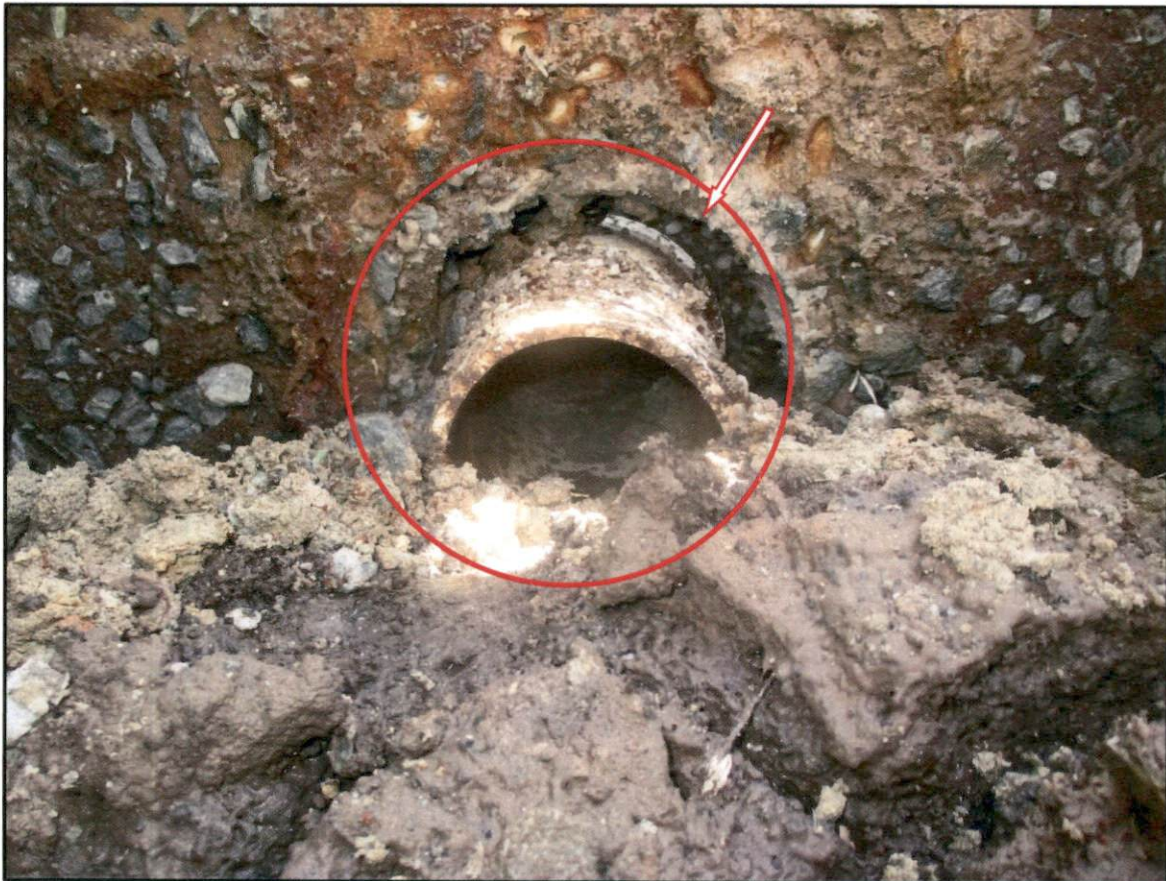


SUGGESTED MAINTENANCE AND REPAIR ITEMS:

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- 3). To prevent the infiltration of ground water and roots, in addition to possible effluent leakage, it is recommended that Service Provider re-seal around the outlet wastewater supply pipe in septic tank and pump tank with non-expansion grout or with the appropriate hydro-cement sealant.

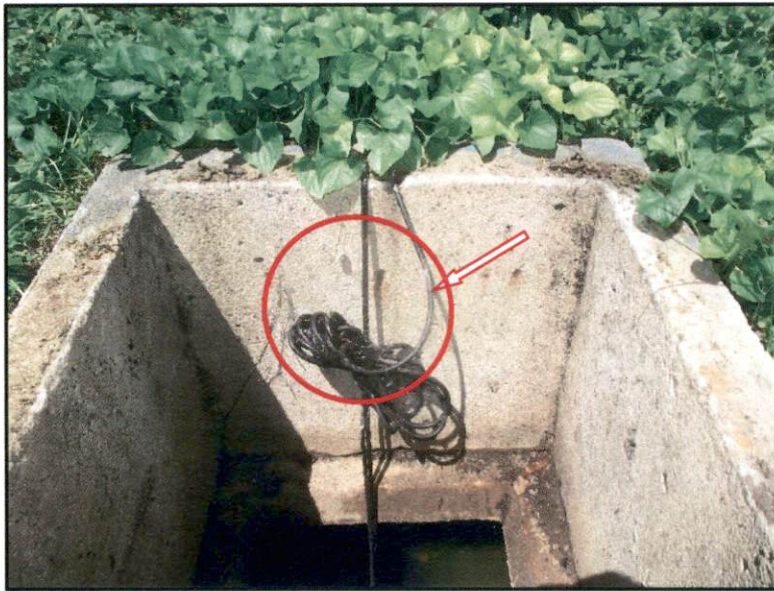
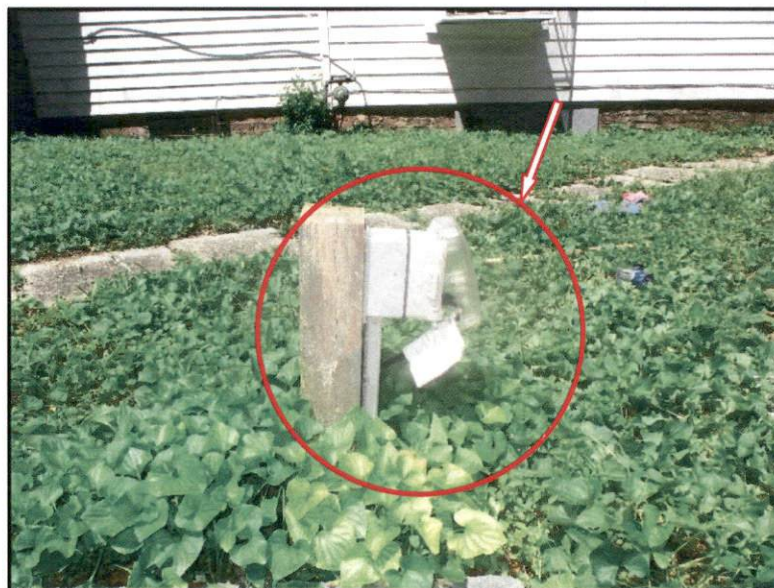
Existing Inlet Wastewater Supply Pipe:



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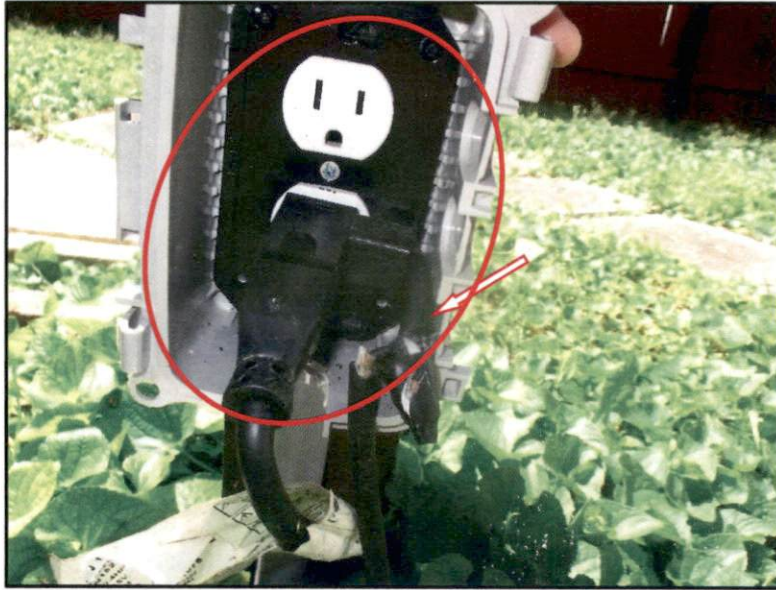
- 4). To prevent an interruption of service, it is recommended that Service Provider make the necessary upgrades to the wiring and electrical components.

Existing Wiring:**Installing a Control Panel Box is Recommended:**

SUGGESTED MAINTENANCE AND REPAIR ITEMS:

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Existing Pump Tank Service Box:



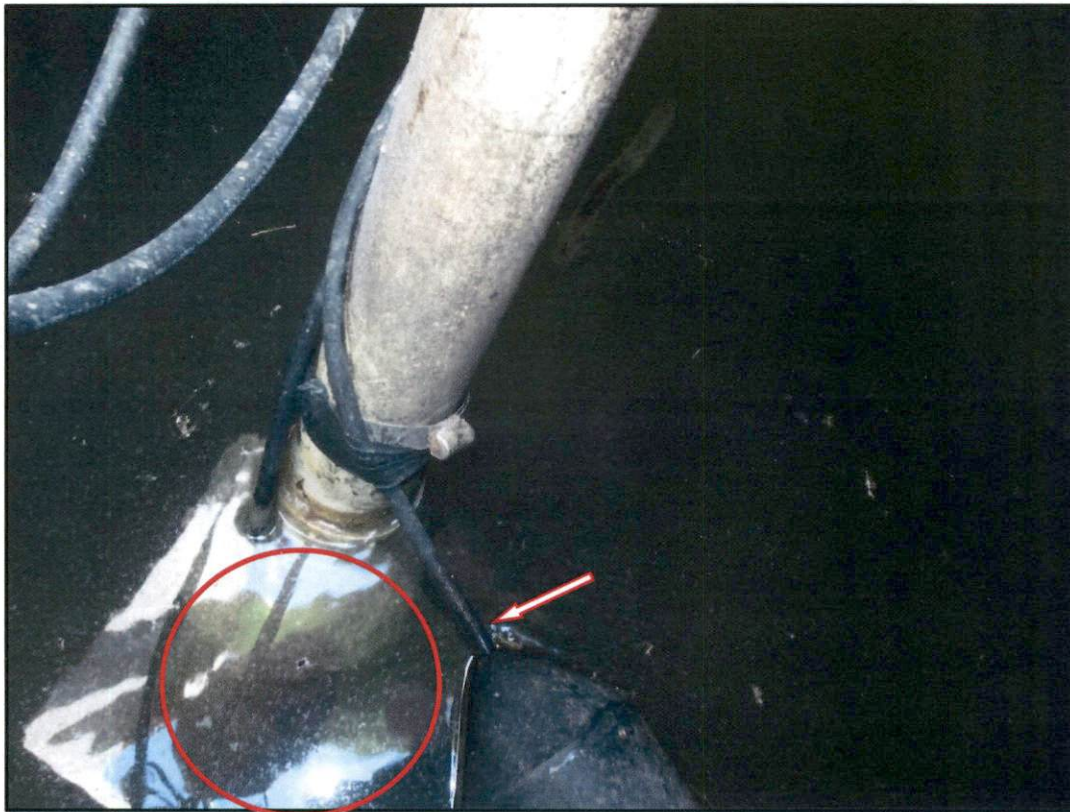
Installing a Control Panel Box is Recommended:



SUGGESTED MAINTENANCE AND REPAIR ITEMS:

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- 5). At time of pump cycle, effluent pump appeared to be short cycling. Further evaluation and a repair or replacement of pump is recommended. Service provider should make the necessary repairs to floats and pump to assure that effluent is being delivered to the soil absorption area as intended.

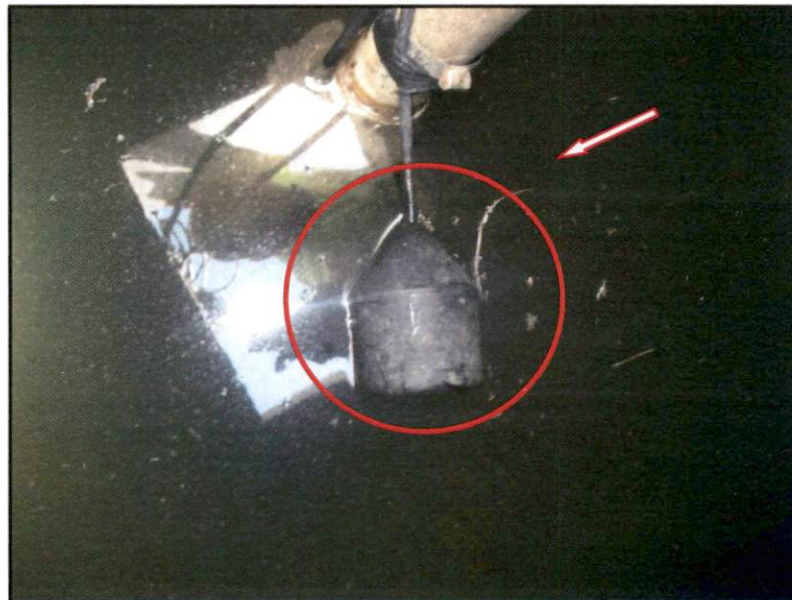
Effluent Pump:

SUGGESTED MAINTENANCE AND REPAIR ITEMS:

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- 6). The highwater alarm box, most likely is located in home and could not be confirmed functioning at time of inspection. Further evaluation by a homeowner or home inspector is recommended to determine that alarm functions on both audio and visual when activated by highwater alarm float. FYI: Activated alarm is a warning that effluent pump is not functioning, and a backup of sewage is eminent. This pre-warning device is necessary and, should be functioning at all times.

Existing Float:



Example of Alarm (Test Switch):



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- 7). Because of the age of system, consideration should be given to install a PVC sanitary baffle tee with an effluent strainer. This updated improvement is not uncommon in older systems and is highly recommended with pump systems. For your information, a sanitary tee with effluent strainer prevents sludge, mixed solids, scum, and in some cases non bio-degradable products, from exiting the tank and lodging in the pump tank, causing a blockage which can disrupt the flow of effluent to the soil absorption area beneath the lines.

Existing Outlet:



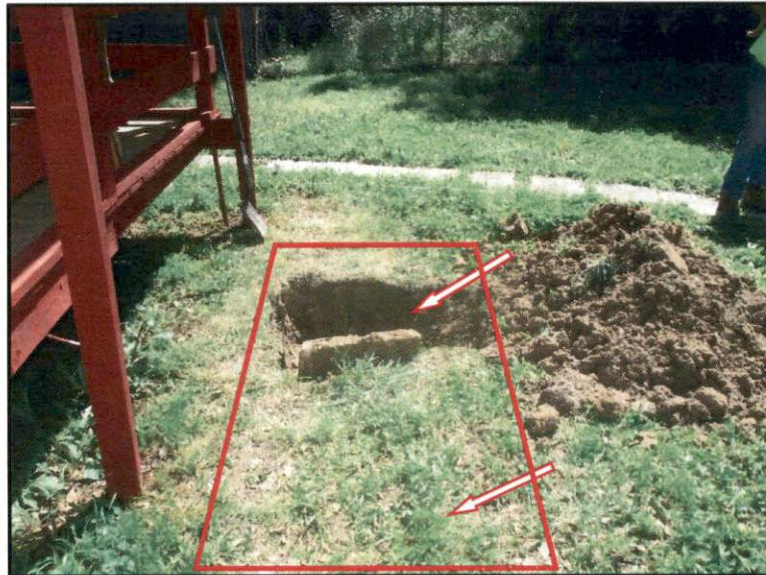
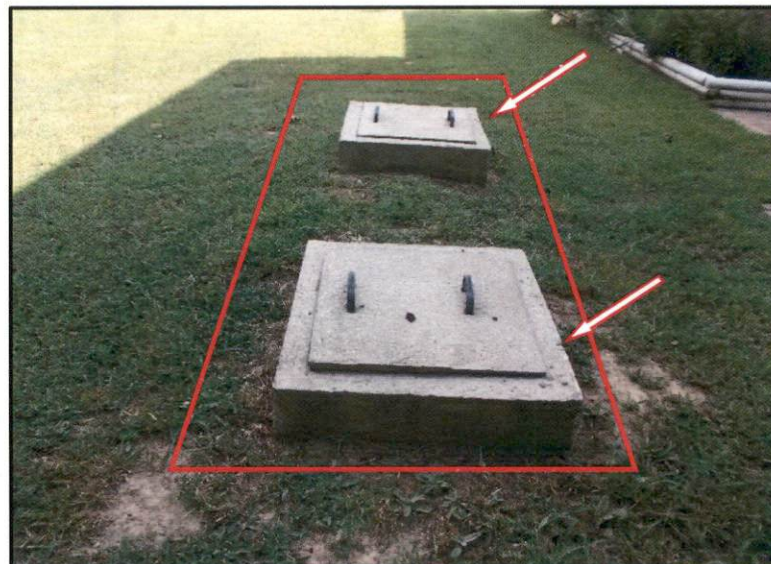
Example of Retro-fitted with PVC Sanitary Tee with Effluent Strainer:



SUGGESTED IMPROVEMENT ITEM:

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- 8). Because of the depth that tank is buried beneath the soil surface and the amount of time and difficulty in uncovering the inlet and outlet access lids to pump and clean the primary and secondary chambers, it is recommended installing risers over both these areas. In addition, it would be easier to remove and clean the effluent strainer, when soiled, if existing baffle is replaced with a PVC sanitary tee. To prevent the infiltration of surface water; risers should be a minimum of 6 inches above finished grade.

Existing Access Openings:**Example of Risers:**

SUGGESTED IMPROVEMENT ITEM:

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At time of inspection distribution device could not be located. Therefore, the actual physical condition of distribution devices could not be determined. FYI: Septic systems of this age do not have outlet effluent strainer. Therefore, wastewater with suspended solids can settle in distribution device and in some cases create a layer of sludge. Accumulation of sludge and mixed solids can form a thicker than normal bio-mat, which can restrict the effluent from being absorbed into the surrounding soil absorption area. Periodic inspections of the located distribution devices are recommended so that any excessive accumulation of sand, sludge, or the infiltration of roots can be removed. FYI: It is not unusual to replace distribution boxes in systems of this age.

Example of Distribution Box with two (2) Lines:



FOR YOUR INFORMATION:

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Nitrification field appears to consist of gravel aggregate laterals. Because of the thick vegetation growth, probing was unsuccessful in locating and identify the exact layout of leach field. **Septic systems are subterranean, therefore, without exposing the actual nitrification lines and the soil absorption area beneath the lines it is impossible to make an accurate assessment of their overall condition, especially in systems that are, or have been dormant for lengthy periods of time. More accurate assessments are done in homes that are occupied.** Caution should be observed not to disturb the soil in and around the nitrification field and the adjoining designated repair area. It is always recommended to properly maintain the vegetation growth over nitrification areas. Planting appropriate vegetation over the leaching field is key to allowing a septic system to properly treat household wastewater and ensure the safety of your family and the environment. FYI: All permanent structures should be a minimum of 5 feet from any or all portions of a septic system. In addition, it is important to avoid vehicular traffic over the nitrification area.

Possible Location of Leach Field:



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Because of the age, no warranties or opinions are hereby given, written, or expressed otherwise, as to the past or future performance of the on-site wastewater system described herein. Septic systems are subterranean, therefore, it is impossible to determine their overall condition. This report comments on the condition of the system on the day of inspection only. For your information, the condition of this septic system can be altered by factors such as excessive rainfall, heavy water usage, faulty plumbing, physical damage, in addition to neglect. NC Septic Inspections makes no assurance for the continued performance of this or any on-site wastewater system. This on-site wastewater inspection is a presentation of system facts in place on the date of inspection and is not intended for use in negotiating a sale price. If this system or its components malfunction at any time during occupancy, a local Service Provider should be contacted so immediate repairs can be made. If at any time there is evidence of surfacing waste around septic tank or evidence of surfacing effluent over the nitrification field, the local Environmental Health Department should be notified so the appropriate permits can be issued, and immediate repairs can be made. Proper care and maintenance of a septic system will save time and money while also providing protection to our environment.

Helpful information pertaining to septic system management can be found on this North Carolina State University Web Site (www.soil.ncsu.edu).

Signature of Inspector: Kevin Hoskins Date: May 11, 2022

Kevin Hoskins, Certified Inspector
NCOWCICB Certification #: 5712I

Report Prepared By: Venice D. Piner Date: May 15, 2022

Venice D Piner, Certified Inspector
NCOWCICB Certification #: 3434I

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System Inspection Pictures

Page 1

Location of Septic Tank:



Exposed Access Openings



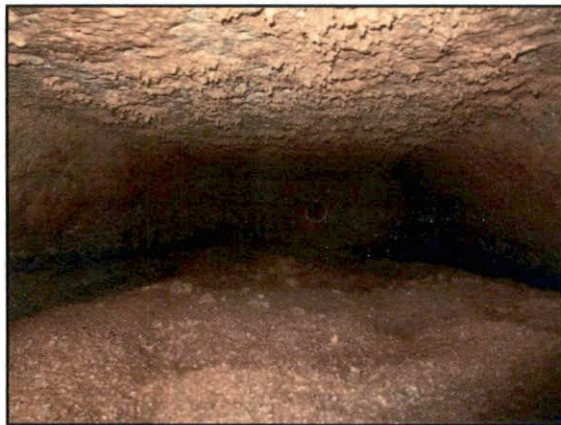
Access Opening:



Outlet Access Opening:



Primary Chamber (Scum):



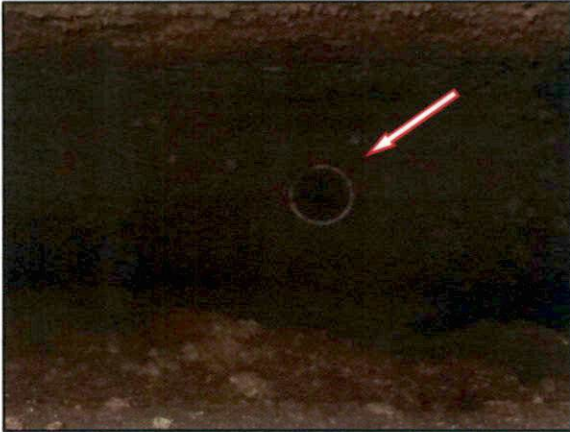
Secondary Chamber (Scum):



System Inspection Pictures

Page 2

Inlet Wastewater Supply Line:



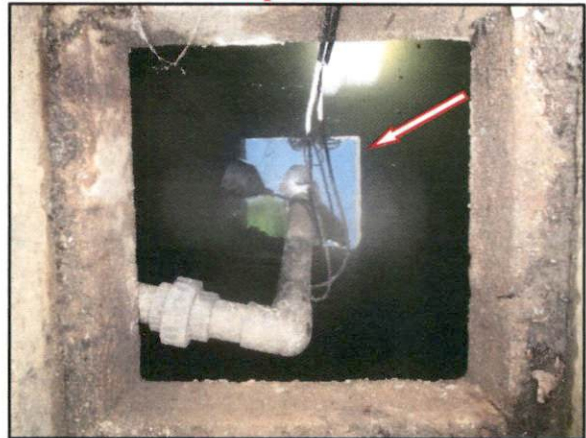
Distance from Foundation:



Depth of Tank:



Pump Tank:



Sludge Measurement:



Possible Location of Leach Field:



(Additional Pictures are Available if Requested)