

COUNTY OF HARNETT RESIDENTIAL LAND USE APPLICATION
Central Permitting 108 E. Front Street, Lillington, NC 27546 Phone: (910) 893-7525 ext:2 Fax: (910) 893-2793 www.harnett.org/permits

"A RECORDED SURVEY MAP, RECORDED DEED (OR OFFER TO PURCHASE) & SITE PLAN ARE REQUIRED WHEN SUBMITTING A LAND USE APPLICATION"

LANDOWNER: John Shanton Mailing Address: 492 Hilliard Rd
City: FV State: NC Zip: 27526 Contact No: 919 522 4653 Email: _____

APPLICANT*: _____ Mailing Address: _____
City: _____ State: _____ Zip: _____ Contact No: _____ Email: _____
*Please fill out applicant information if different than landowner

CONTACT NAME APPLYING IN OFFICE: owner Phone #: _____

PROPERTY LOCATION: Subdivision: _____ Lot #: _____ Lot Size: 3.61
State Road # _____ State Road Name: 492 Hilliard Rd Map Book & Page: Z001 1863
Parcel: 080654 0141 39 PIN: 065497 4826.000
Zoning: RA30 Flood Zone: X Watershed: NA Deed Book & Page: 3428, 749 Power Company*: _____

*New structures with Progress Energy as service provider need to supply premise number _____ from Progress Energy.

PROPOSED USE: (directions) layout submitted
 SFD: (Size _____ x _____) # Bedrooms: _____ # Baths: _____ Basement(w/wo bath): _____ Garage: _____ Deck: _____ Crawl Space: _____ Slab: _____ Slab: _____
(Is the bonus room finished? () yes () no w/ a closet? () yes () no (if yes add in with # bedrooms)

Mod: (Size _____ x _____) # Bedrooms _____ # Baths _____ Basement (w/wo bath) _____ Garage: _____ Site Built Deck: _____ On Frame _____ Off Frame _____
(Is the second floor finished? () yes () no Any other site built additions? () yes () no

Manufactured Home: _____ SW _____ DW _____ TW (Size _____ x _____) # Bedrooms: _____ Garage: _____ (site built? _____) Deck: _____ (site built? _____)

Duplex: (Size _____ x _____) No. Buildings: _____ No. Bedrooms Per Unit: _____

Home Occupation: # Rooms: _____ Use: _____ Hours of Operation: _____ #Employees: _____

Addition/Accessory/Other: (Size _____ x _____) Use: _____ Closets in addition? () yes () no

Water Supply: _____ County _____ Existing Well _____ New Well (# of dwellings using well _____) \$100.00 pd. *Must have operable water before final

Sewage Supply: _____ New Septic Tank (Complete Checklist) Existing Septic Tank (Complete Checklist) _____ County Sewer

Does owner of this tract of land, own land that contains a manufactured home within five hundred feet (500') of tract listed above? () yes () no

Does the property contain any easements whether underground or overhead () yes () no

Structures (existing or proposed): Single family dwellings: _____ Manufactured Homes: _____ Other (specify): _____

Required Residential Property Line Setbacks:

	Minimum	Actual
Front	_____	_____
Rear	_____	_____
Closest Side	_____	_____
Sidestreet/corner lot	_____	_____
Nearest Building on same lot	_____	_____

Comments: Possibly added 5th bedroom but not expanding house foot print, maybe placed in main structure or detached

Confirm # 018614

10-24-11
✓

SPECIFIC DIRECTIONS TO THE PROPERTY FROM LILLINGTON: _____

492 Hilliard Rd - off Rawls Church Rd

If permits are granted I agree to conform to all ordinances and laws of the State of North Carolina regulating such work and the specifications of plans submitted. I hereby state that foregoing statements are accurate and correct to the best of my knowledge. Permit subject to revocation if false information is provided.



Signature of Owner or Owner's Agent

10-21-16

Date

It is the owner/applicants responsibility to provide the county with any applicable information about the subject property, including but not limited to: boundary information, house location, underground or overhead easements, etc. The county or its employees are not responsible for any incorrect or missing information that is contained within these applications.

This application expires 6 months from the initial date if permits have not been issued



Agri-Waste Technology, Inc.
501 North Salem Street, Suite 203
Apex, NC 27502
919-859-0669
www.agriwaste.com

SITE SUITABILITY MEMO
For
492 Hilliard Road, Fuquay Varina, NC 27526

PREPARED FOR: Johnny Shanton, Buyer

REALTOR COPY: Jessica Shaffer, Hunter Rowe

PREPARED BY: Trent Bostic, Assistant Soil Scientist

DATE: July 15, 2016

The property at 492 Hilliard Road was evaluated for: **expansion of septic system**, by Trent Bostic of Agri-Waste Technology, Inc., (AWT) on July 11, 2016. The residence is currently served by a conventional gravity septic system that is permitted for wastewater flow from the main house. A copy of the septic permit from the Harnett County Health Department is included.

Conclusions

- There is sufficient room to expand the system in the front yard area. The existing system takes up the majority of the back yard area. Due to the topography, drainage features, and disturbed soil, there does not appear to be enough area in the rear to expand the septic system.
- This memo does not guarantee a permit. In order to expand the system, a new permit must be granted from Harnett County Health Department.

We appreciate the opportunity to assist you. Please contact us with any questions, concerns, or comments.

Sincerely,

A handwritten signature in black ink that reads 'Trent Bostic'.

Trent Bostic



Agri-Waste Technology, Inc.
501 North Salem Street, Suite 203
Apex, NC 27502
919-859-0689
www.agriwaste.com

Septic System Inspection Report

492 Hilliard Road
Fuquay Varina, NC 27526



Prepared For: Johnny Shanton, Buyer

Realtor Copy: Jessica Shaffer, Hunter Rowe

Prepared By: Trent Bostic, Assistant Soil Scientist
NCOWCICB Inspector #49571

Report Date: July 14, 2016



Agri-Waste Technology, Inc.
501 North Salem Street, Suite 203
Apex, NC 27502
919-859-0669
www.agriwaste.com

SEPTIC SYSTEM INSPECTION REPORT
For
492 Hilliard Road, Fuquay Varina, NC 27526

PREPARED FOR: Johnny Shanton, Buyer

REALTOR COPY: Jessica Shaffer, Hunter Rowe

PREPARED BY: Trent Bostic, Assistant Soil Scientist
NCOWCICB Inspector #49571

DATE: July 15, 2016

The septic system serving the home at 492 Hilliard Road was inspected by Trent Bostic of Agri-Waste Technology, Inc., (AWT) on July 11, 2016. The residence is served by a conventional gravity septic system consisting of a septic tank and drainfield trenches. A copy of the septic permit from the Harnett County Health Department is included in Attachment 1. A copy of the septic system inspection checklist, as well as pictures taken during the inspection can be found in Attachment 2. A detailed discussion of the inspection is below.

General septic system information can be found on the North Carolina State University - Soil Science Department website. The address is www.soil.ncsu.edu. Additional routine septic system and maintenance information is in Attachment 3 following this report.

Septic Drainfield

The septic drainfield is located in the back yard (see permit sketch). Five gravel trenches (each approx. 80 ft. long) are installed along the contour. The drainfield is gravity fed via distribution box. The area is well-maintained. There was no evidence of surfacing effluent within the drainfield at the time of inspection. Surface water does not appear to collect in the drainfield area. Water was flushed to the drainfield during the inspection with no back-up or oversaturation observed.

**ATTACHMENT 1: Harnett County Health Department
Septic Permit Documentation**

Septic Tank

The septic tank is located near the rear of the house. The inlet and outlet compartments of the septic tank were excavated for inspection. The inlet compartment lid has a broken handle. The liquid level in the septic tank was found to be at the appropriate height and leakage is not suspected. The top of the tank is buried approximately 12 inches deep. A total of 6-8 inches of residuals were measured in the septic tank; therefore, pumping is not necessary at this time. The tank structure and all piping were found to be in good condition and free of damage. The effluent filter was cleaned during the inspection.

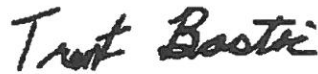
Attachment 3 contains a table entitled *Estimated Septic Tank Inspection and Pumping Frequency in Years* that indicates the recommended pumping frequency based on the number of occupants in the house and the septic tank size. The size of the septic tank serving this residence is 1,000-gallons.

Conclusions

- All components of the septic system are functioning properly at this time.

We appreciate the opportunity to assist you. Please contact us with any questions, concerns, or comments.

Sincerely,



Trent Bostic

ATTACHMENT 2: Septic System Inspection Checklist

Date of last tank pumping known? / /
 If known, when: ___/___/___
 Estimated Distance From:
 House/Structure: ___ ft
 Well: ___ ft
 Water Line: ___ ft
 Property Line: ___ ft
 Septic Tank: ___ ft
 Effluent free of excess solids? / /
 Inches of solids(pump/dose tank): _____
 Elapsed time readings? _____
 Counter readings? _____

DISPOSAL FIELD:

Evidence of effluent surfacing? / /
 Evidence of effluent ponding in trenches? / /
 Surface water effectively diverted? / /
 Diversions/swales properly maintained? / /
 Vegetative cover maintained? / /
 Protected from traffic/unauthorized uses? / /
 Distribution devices in good condition? / /
 Field free of settled or low areas? / /
 Estimated Distance From:
 House/Structure: 10+ ft
 Well: - ft
 Water Line: - ft
 Property Line: - ft
 Septic Tank: 40+ ft

PRESSURE DISTRIBUTION SYSTEM:

Certified operator required? / /
 Turnups/cleanouts/valves intact & accessible? / /
 Laterals free of excess solids? / /
 Laterals flushed this inspection? / /
 Pressure heads properly adjusted? / /

SYSTEM PERFORMANCE:

Design Pressure Head (ft): NA Adjusted Pressure Head (ft): NA
 Design Delivery Rate (gpm): NA Measured Delivery Rate (gpm): NA % of Design: NA
 Dosing Volume (gal.): NA
 Note: Delivery Rate(gpm) = (NA inches drawdown NA gallons/in) NA minutes of run time
 Dose Volume(gal.) = NA inches between float on & float off NA gallons/in.

"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."

See Electronic Form

Signature

ADDITIONAL COMMENTS:

SUBSURFACE WASTEWATER SYSTEM INSPECTION REPORT

<u>7/11/16</u> Date of Inspection 21626	<u>Trent Bostic</u> Inspector's Name 6/20/05	<u>49571</u> Certification Number 4
<u>Shanton</u> Permit Number	<u>492 Hilliard Road</u> Date of Operation Permit	<u>Bntton</u> Advertised # of Bedrooms
<u>Buyer</u> Buyer	<u>Address of Property</u> Address of Property	<u>Public</u> Current Owner
<u>Tax Map</u> Tax Map	<u>Parcel</u> Parcel	<u>Lot #</u> Lot #
<u>PIN</u> PIN	<u>Water Source</u> Water Source	

INSPECTION RESULTS:

COLLECTION/TANK SYSTEM:

	YES	/	NO	/	NA	
Evidence of leaks ?	<input type="checkbox"/>	/	<input checked="" type="checkbox"/>	/	<input type="checkbox"/>	<u>REMARKS</u>
Water level in tank: <u>ok</u>						
Tank risers accessible, free of infiltration and surface water diverted ?						
Inlet riser?	<input type="checkbox"/>	/	<input checked="" type="checkbox"/>	/	<input type="checkbox"/>	
Type: <u>Not Required</u>						
Outlet riser?	<input type="checkbox"/>	/	<input checked="" type="checkbox"/>	/	<input type="checkbox"/>	
Type: <u>Not Required</u>						
Estimated distance from soil surface to Top of tank: <u>12 inches</u>						
Tank has baffle wall?	<input checked="" type="checkbox"/>	/	<input type="checkbox"/>	/	<input type="checkbox"/>	
Outlet T is present/intact?	<input checked="" type="checkbox"/>	/	<input type="checkbox"/>	/	<input type="checkbox"/>	
Roots present in tank?	<input type="checkbox"/>	/	<input checked="" type="checkbox"/>	/	<input type="checkbox"/>	
Inlet pipe clear/unobstructed?	<input checked="" type="checkbox"/>	/	<input type="checkbox"/>	/	<input type="checkbox"/>	
Outlet pipe clear/unobstructed?	<input checked="" type="checkbox"/>	/	<input type="checkbox"/>	/	<input type="checkbox"/>	
Septic tank needs pumping?	<input type="checkbox"/>	/	<input checked="" type="checkbox"/>	/	<input type="checkbox"/>	
Inches of solids: <u>6-8</u>						
Date of last tank pumping known? If known, when: <u> / / </u>	<input type="checkbox"/>	/	<input checked="" type="checkbox"/>	/	<input type="checkbox"/>	
Estimated Distance From: House/Structure: <u>15+ ft</u> Well: <u>- ft</u> Water Line: <u>- ft</u> Property Line: <u>- ft</u>						
Septic tank filter cleaned?	<input checked="" type="checkbox"/>	/	<input type="checkbox"/>	/	<input type="checkbox"/>	

PRETREATMENT SYSTEM:

(Sand Filter or Peat Biofilter)						
Certified operator required?	<input type="checkbox"/>	/	<input type="checkbox"/>	/	<input checked="" type="checkbox"/>	
Filter surface maintained ?	<input type="checkbox"/>	/	<input type="checkbox"/>	/	<input checked="" type="checkbox"/>	
Evidence of ponding ?	<input type="checkbox"/>	/	<input type="checkbox"/>	/	<input checked="" type="checkbox"/>	
Filter effluent free of excess solids ?	<input type="checkbox"/>	/	<input type="checkbox"/>	/	<input checked="" type="checkbox"/>	
Peat modules free of damage, accessible, properly ventilated & free of insects ?	<input type="checkbox"/>	/	<input type="checkbox"/>	/	<input checked="" type="checkbox"/>	
Samples collected at this inspection ?	<input type="checkbox"/>	/	<input type="checkbox"/>	/	<input checked="" type="checkbox"/>	

EFFLUENT DOSING SYSTEM:

Required pumps present & functional ?	<input type="checkbox"/>	/	<input type="checkbox"/>	/	<input checked="" type="checkbox"/>	
High water alarm operating properly ?	<input type="checkbox"/>	/	<input type="checkbox"/>	/	<input checked="" type="checkbox"/>	
Floats, valves, etc. in good condition ?	<input type="checkbox"/>	/	<input type="checkbox"/>	/	<input checked="" type="checkbox"/>	
Control panel & components in good condition ?	<input type="checkbox"/>	/	<input type="checkbox"/>	/	<input checked="" type="checkbox"/>	
Evidence of leaks ?	<input type="checkbox"/>	/	<input type="checkbox"/>	/	<input checked="" type="checkbox"/>	
Water level in tank: <u> </u>						
Tank riser accessible, free of infiltration and surface water diverted ?	<input type="checkbox"/>	/	<input type="checkbox"/>	/	<input checked="" type="checkbox"/>	
Type <u> </u>						
Roots present in tank?	<input type="checkbox"/>	/	<input type="checkbox"/>	/	<input checked="" type="checkbox"/>	
Estimated distance from soil surface to Top of tank: <u> inches</u>						

Yes.

- Septic

Please Choose Well Water Analysis

N/A (no well inspection to be performed)

HUD / VA / FHA / USDA Loan

Don't Know

Do You Have a Pre-Treatment? (Sand / Peat Filter)

Don't Know

Power to the Home

Yes

Will it Be Pumped 48 Hours Prior to Inspection? (Not Required)

No

Is Septic Tank Accessible?

Don't Know

Is the Water on in the House?

Yes

How Did You Hear About Us?

Repeat Client

Do You Have a Copy of the Septic Permit?

No

Preferred Date

07/19/2016

Preferred Time

01:00 pm

Who will be meeting us at the property (no one is required to be present)?

Buyer's Agent and home inspector

We would also like to have a soil engineer come out as well to see if we need to add another bedroom or extension.

- I agree to the above contract.

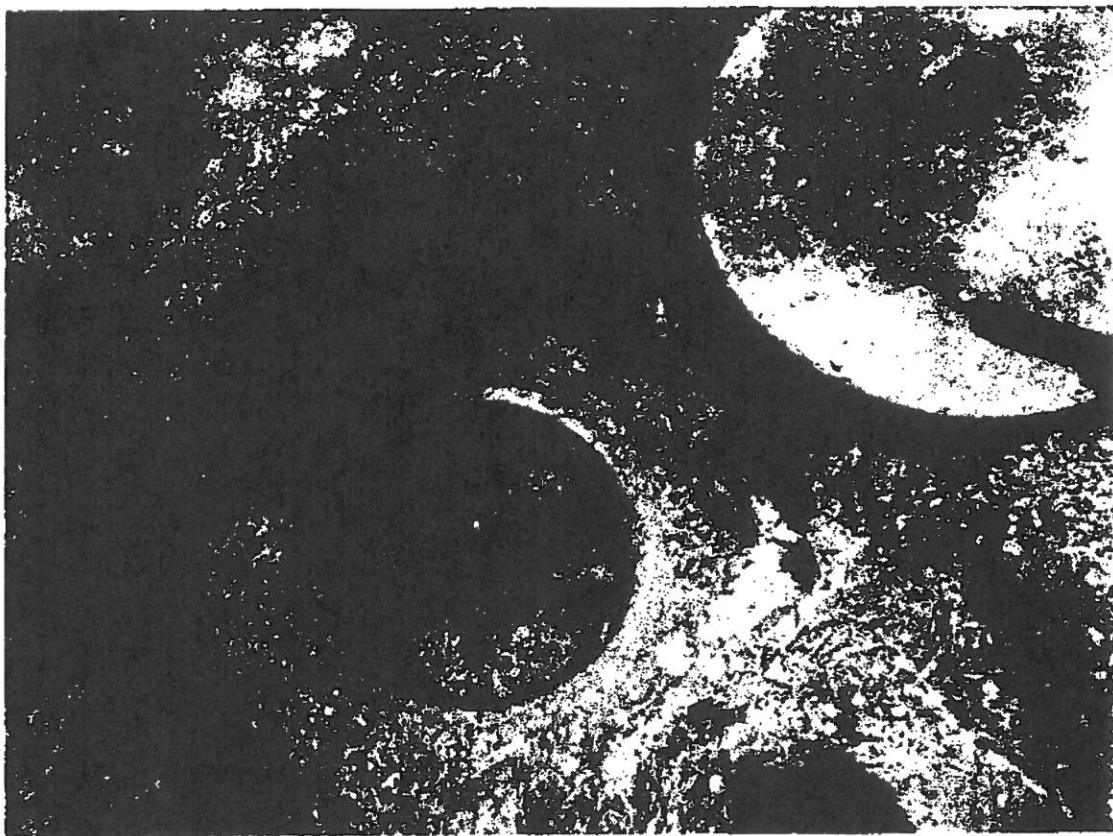
Untitled

- I/We the potential buyers (or buyers representative) have obtained written permission from the current homeowner(s) to complete the septic system inspection.

Untitled



Septic Tank Location



Inlet Compartment of Septic Tank

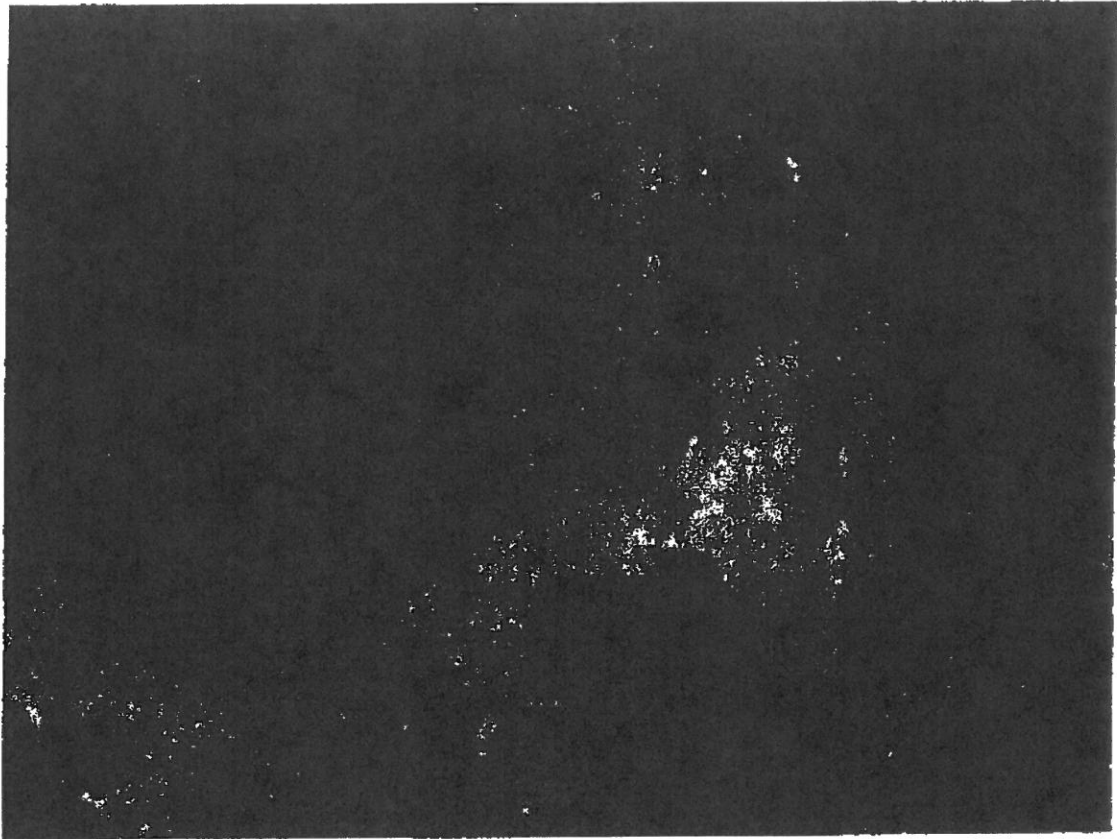
"Client requesting this inspection has been advised that for a complete inspection to be performed, the tank needs to be pumped. Client has declined to have the tank pumped at inspection and hereby acknowledges they have so declined." [per 21 NCAC 39 .1006 (b)(2)(S)]

Client Signature - Enter Name

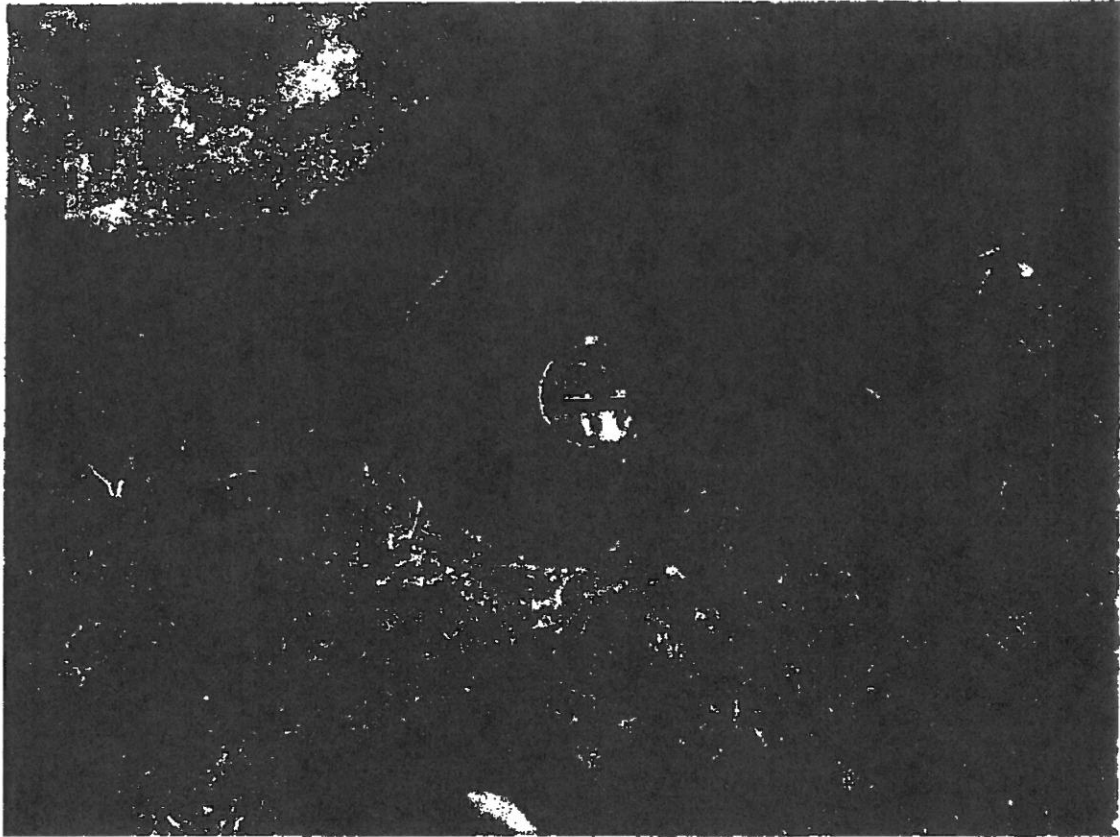
Jessica Shaffer

Date

07/05/2016



Broken Handle on Lid



Outlet Compartment of Septic Tank



Septic Drainfield Area

NAME: _____

APPLICATION #: _____

This application to be filled out when applying for a septic system inspection.

County Health Department Application for Improvement Permit and/or Authorization to Construct

IF THE INFORMATION IN THIS APPLICATION IS FALSIFIED, CHANGED, OR THE SITE IS ALTERED, THEN THE IMPROVEMENT PERMIT OR AUTHORIZATION TO CONSTRUCT SHALL BECOME INVALID. The permit is valid for either 60 months or without expiration depending upon documentation submitted. (Complete site plan = 60 months; Complete plat = without expiration)

910-893-7525 option 1

CONFIRMATION # _____

Environmental Health New Septic System Code 800

- **All property irons must be made visible.** Place "pink property flags" on each corner iron of lot. All property lines must be clearly flagged approximately every 50 feet between corners.
- Place "orange house corner flags" at each corner of the proposed structure. Also flag driveways, garages, decks, out buildings, swimming pools, etc. Place flags per site plan developed at/for Central Permitting.
- Place orange Environmental Health card in location that is easily viewed from road to assist in locating property.
- If property is thickly wooded, Environmental Health requires that you clean out the undergrowth to allow the soil evaluation to be performed. Inspectors should be able to walk freely around site. **Do not grade property.**
- **All lots to be addressed within 10 business days after confirmation. \$25.00 return trip fee may be incurred for failure to uncover outlet lid, mark house corners and property lines, etc. once lot confirmed ready.**
- After preparing proposed site call the voice permitting system at 910-893-7525 option 1 to schedule and use code **800** (after selecting notification permit if multiple permits exist) for Environmental Health inspection. Please note confirmation number given at end of recording for proof of request.
- Use Click2Gov or IVR to verify results. Once approved, proceed to Central Permitting for permits.

Environmental Health Existing Tank Inspections Code 800

- Follow above instructions for placing flags and card on property.
- Prepare for inspection by removing soil over **outlet end** of tank as diagram indicates, and lift lid straight up (*if possible*) and then **put lid back in place.** (Unless inspection is for a septic tank in a mobile home park)
- **DO NOT LEAVE LIDS OFF OF SEPTIC TANK**
- After uncovering **outlet end** call the voice permitting system at 910-893-7525 option 1 & select notification permit if multiple permits, then use code **800** for Environmental Health inspection. Please note confirmation number given at end of recording for proof of request.
- Use Click2Gov or IVR to hear results. Once approved, proceed to Central Permitting for remaining permits.

SEPTIC

If applying for authorization to construct please indicate desired system type(s): can be ranked in order of preference, must choose one.

Accepted Innovative Conventional Any
 Alternative Other _____

The applicant shall notify the local health department upon submittal of this application if any of the following apply to the property in question. If the answer is "yes", applicant **MUST ATTACH SUPPORTING DOCUMENTATION**:

- YES NO Does the site contain any Jurisdictional Wetlands?
- YES NO Do you plan to have an irrigation system now or in the future?
- YES NO Does or will the building contain any drains? Please explain. _____
- YES NO Are there any existing wells, springs, waterlines or Wastewater Systems on this property?
- YES NO Is any wastewater going to be generated on the site other than domestic sewage?
- YES NO Is the site subject to approval by any other Public Agency?
- YES NO Are there any Easements or Right of Ways on this property?
- YES NO Does the site contain any existing water, cable, phone or underground electric lines?

If yes please call No Cuts at 800-632-4949 to locate the lines. This is a free service.

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.

PROPERTY OWNERS OR OWNERS LEGAL REPRESENTATIVE SIGNATURE (REQUIRED)

10-21-16
DATE