



Howard County Health Department

Maura J. Rossman, M.D., Health Officer

Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

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www.hchealth.org

Facebook: www.facebook.com/hocohealth

RECEIPT DATE: 8/1/23

ONSITE SEWAGE DISPOSAL SYSTEM

P 574978

APPROVAL DATE: 10/11/2023

PERMIT:

REPAIR

A

PROPERTY ADDRESS: 14831 Triadelphia Road

SUBDIVISION: Goshen Property

LOT: Par A TAX ID: _____

CONTRACTOR: Fogles Septic Clean Inc.

EMAIL: kim@fogles.com

CONTRACTOR ADDRESS: 580 Obrecht Road, Sykesville, MD 21784

PHONE: 410-795-5670

PROPERTY OWNER: Laura Stern

EMAIL: _____

OWNER ADDRESS: 14831 Triadelphia Road, Glenelg, MD 21737

PHONE: _____

SEPTIC TANK SIZE (GALLONS): Ex.

TANK MANUFACTURER: _____

PUMP MODEL: _____

PUMP SIZE _____

PUMP TANK CAPACITY: _____

DISTRIBUTION SYSTEM:

☒ GRAVITY

☐ PRESSURE DOSED

BEDROOMS: 3

APPLICATION RATE: 1.2

TRENCHES:	LINEAR FEET REQUIRED: <u>70</u>	INLET DEPTH: <u>3</u>
	TRENCH WIDTH: <u>4.2</u>	MAXIMUM BOTTOM DEPTH: <u>8</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>4.2</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>4'</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:	<u>Install per approved design.</u>	

ISSUED BY: K. Wolf

ISSUE DATE: 11/3/2023

EXPIRATION DATE: 11/3/24

NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION

NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING

NOTE: STONE MUST BE APPROVED BY HEALTH DEPARTMENT AND GRAVEL TICKET MUST BE AVAILABLE FOR REVIEW.

NOTE: WATERTIGHT TANKS REQUIRED

NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE AT LEAST 100 FEET DOWNGRADIENT FROM ANY WATER WELL

NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS

NOTE: AN ELECTRICAL PERMIT IS REQUIRED FOR INSTALLATION OF ANY ELECTRICAL COMPONENTS OF THE SYSTEM

☒ ELECTRICAL PERMIT ISSUED

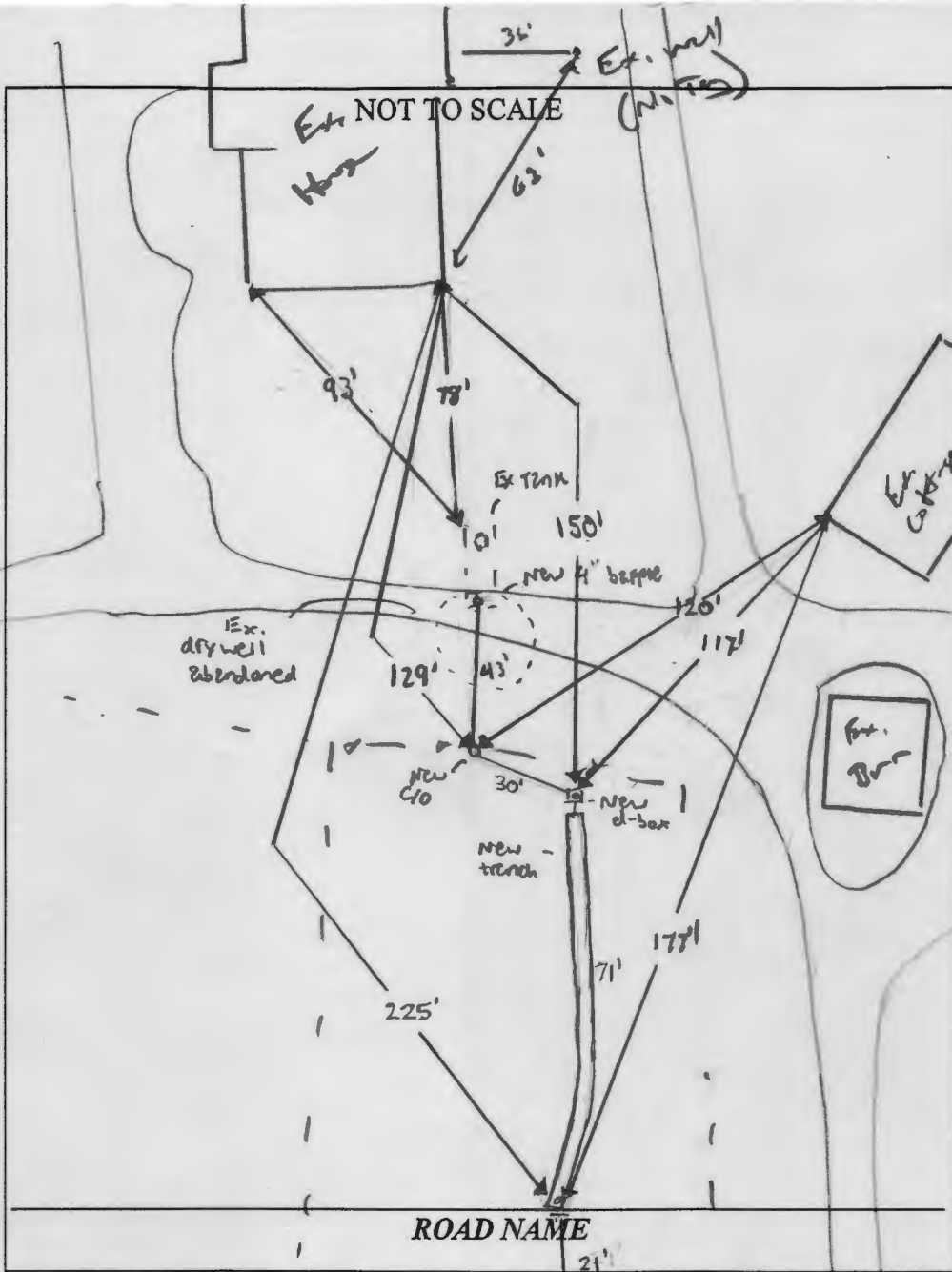
E re/

NOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATE TO ENSURE THAT SOLIDS ARE NOT DISCHARGED TO THE DISPOSAL AREA

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.

PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.

CALL 410-313-1771 TO SCHEDULE INSPECTIONS.



TRENCH/DRAINFIELD DATA

WIDTH 3' INLET 2.5'-3' BOTTOM 8'
 NUMBER OF TRENCHES 1
 TOTAL LENGTH 71'
 ABSORPTION AREA 213 ft²
 DISTRIBUTION BOX LEVEL —
 DISTRIBUTION BOX BAFFLE yes
 DISTRIBUTION BOX PORT yes

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL —
 MANUFACTURER —
 CAPACITY — GAL
 SEAM LOC —
 TANK LID DEPTH —
 BAFFLES NEW 4" BACK
 BAFFLE FILTER —
 MANHOLE LOC —
 6" PORT LOC —
 WATERTIGHT TEST —
 SLOTTED —
 DATE ON LID —
 PUMP/SEPTIC TANK LEVEL N/A
 MANUFACTURER —
 CAPACITY — GAL
 SEAM LOC —
 TANK LID DEPTH —
 BAFFLES —
 BAFFLE FILTER —
 MANHOLE LOC —
 6" PORT LOC —
 WATERTIGHT TEST —
 SLOTTED —
 DATE ON LID —

PRE-CONSTRUCTION:

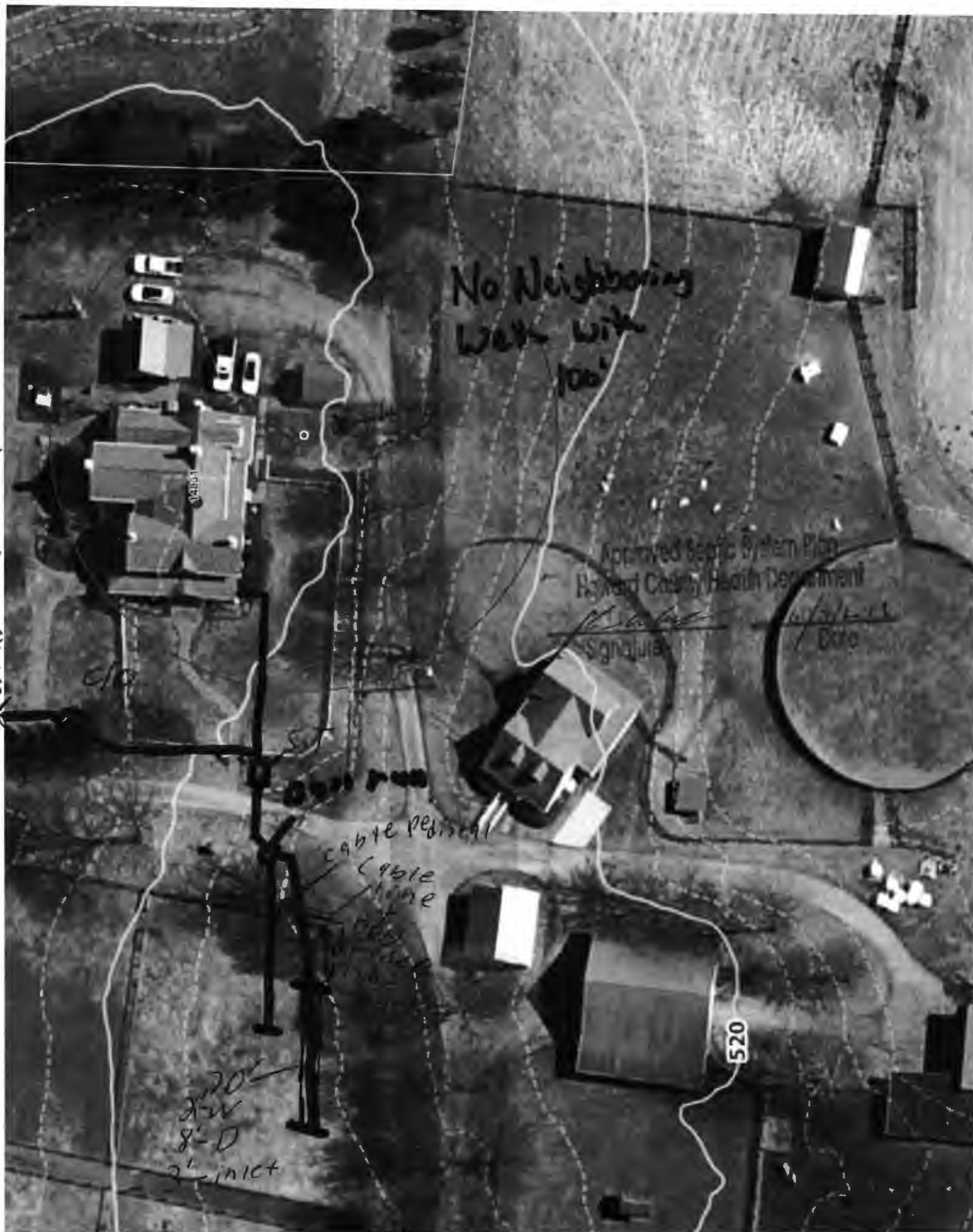
10/3/2023 P.T. - record -
 approved - as to meet per plan.

INSTALLATION: 10/3/2023 - Outlet baffle installed. Drywell previously abandoned & filled w/ stone, PVC from tank to C/O to d-box installed. SCHED 40 PVC used at to backfill up to d-box. (1)

10/4/2023 - 2nd baffle & port in d-box. trench finished, stone & fabric ok. inlet 2.5'-3'. obs port @ end of trench installed. OIC to backfill all work. (2)

FINAL INSPECTOR S. Page DATE OF APPROVAL 10/4/2023

Pool house sewer line



No Neighboring
Well with
100'

Approved Septic System Plan
Howard County Health Department

Signature

6/20/11
Date

cable pedestal
cable
line

20'
2'-w
8'-D
2'-inlet

520

5.5' Total Stone 20' L x 2'-w x 8' D
2'-inlet

install observation port on
old trench that is still dry.

pump & collapse dry well

install ball run valve to old
dry trench, abandon wet trench

install ~~new~~ new d box @ new
Trench start. riser on d box
may need to cut drive way if
outlet line is not PVC.

2 loads #2 Stone

120' 4" PVC

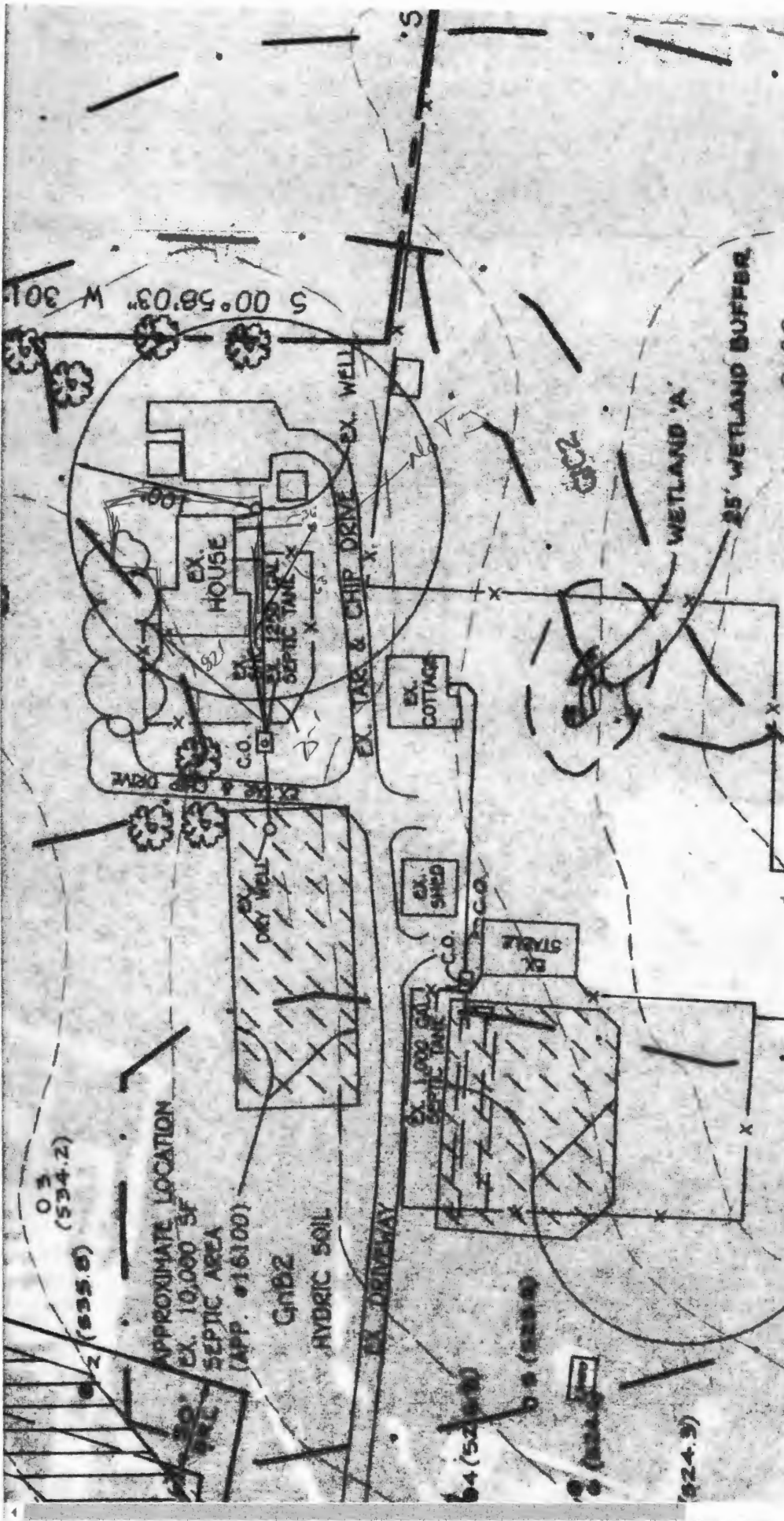
ball run valve

5 hole d box

Start time - 11:30

end time - 1:00

100,
1000 ft
1000 ft



- Tort Lox o obs pres.
- Bull - don Viller
- D box / w s t. L
- 1x 70' tank
2' wide
8' high
eff starts @ 4'
Inlet @ 3'

Laura
301-854-3444
(offr)

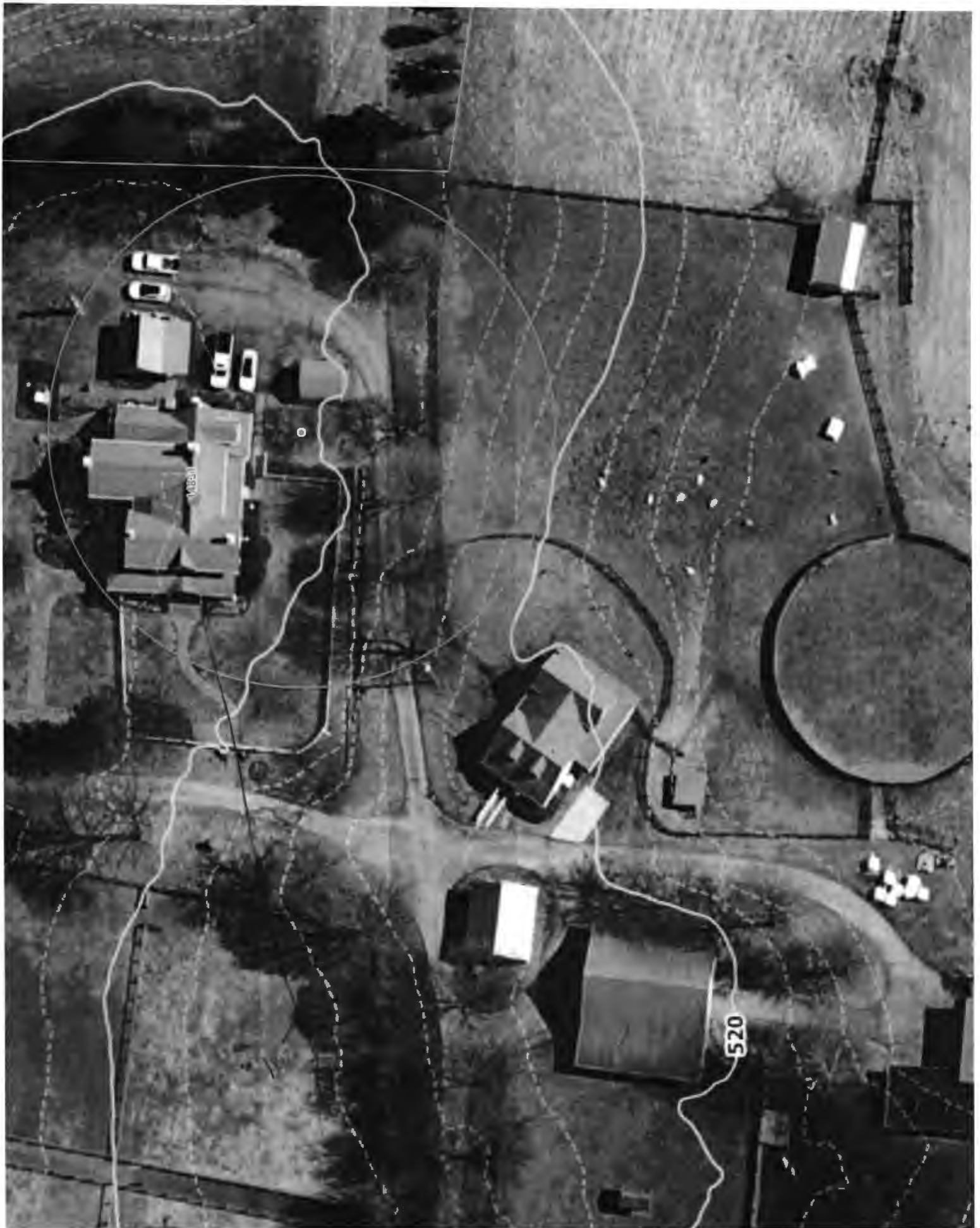
Laura Stern

14831 Triadelphia Rd

Glenelg, MD 21737

301-854-3444

4 Bedroom



FILE INQUIRY NOTES

DATE	RESULTS OF REVIEW FOR FILE
11/2/2023	- G28 is coming out service system. Come out of fans & vents.
	Vent "3" front line - D-box OK, C/O OK. ASKED if they should
	use a U junction.

Silvast, Zackary

From: Silvast, Zackary
Sent: Wednesday, November 8, 2023 4:30 PM
To: Kim@foglesinc.com
Cc: Wolf, Kevin; Page, Shepsura
Subject: Regarding 14831 Triadelphia Road odor smells
Attachments: Internal septic odors.docx

Hey Kim,

I spoke with Kevin & I spoke to the homeowner again. We're both certain that this is an "internal issue" directly dealing with either the house's ventilation system or the house's plumbing fixtures/drains. And it may be that he never had proper plumbing vents installed in this house as it is older. or there is a leak in his ventilation pipe that is supposed to send the septic gases out of his roof ventilation pipe.

I have put together this document, see attached. I am willing to go out there, but this is not my area of expertise and I did recommend he contact a HVAC expert or a master plumber to resolve his internal odor issues. (on the 2nd phone call)

You can print out that document and have Jeff take it over there. (see attached above) I really don't think any health department presence is necessary with a functioning external septic system. We don't get involved with internal house repairs.

He mentioned a U-junction. I did some research on that and found a plumber's fitting called a "u-joint." Again a master plumber would have the knowledge to know if that was necessary. The primary structure out on this property dates back to 1850. So there is that issue also.

I don't know how much more Fogle's or the Health Department can be of help to this guy. I will still go out to the property with Jeff, if Fogle's wants me to. Beyond all of this information, I have a full plate of other tasks where I can actually provide solutions.

- ZS

Zack Silvast (LEHS)

Plan Review Supervisor - Water & Sewer Division

410-313-1777

Environmental Health Bureau
Howard County Health Department

The septic system owner will occasionally encounter odors. These odors are often as a result of gases that are a by-product of the processes in the septic tank, specifically the digestion of organic waste by anaerobic bacteria. The gases include carbon dioxide, hydrogen sulfide (this is the gas that emits a rotten-egg kind of odor), and methane. These gases are not only toxic and irritating but also potentially explosive. There have been reports in Barcelona and The United States of America of tanks that have exploded due to methane buildup. When in the yard, septic tank gases wouldn't get to catastrophic concentrations but they are still a nuisance nonetheless. Learn how to get rid of septic tank smell below!

The septic tank odors can be in four primary locations:

- In the house
- Near the septic tank
- In the yard
- Near the drainfield

WHAT CAUSES SEPTIC ODOR INSIDE THE HOUSE?

Septic tank odors inside the home can be a serious health hazard. If the foul smell from the septic system finds its way into your house, it could mean you have a plumbing problem. For instance, the drying out of a trap in your basement floor drain might result in the gases from the septic tank venting back into the house. A cover that is not sealed properly on the ejector sump pump basket in the basement could also result in septic odors in the home.

The plumbing vent on the roof of your house helps to equalize pressure in your drainpipes as the wastewater flows through. Without this vent, the sinks, toilets, and tubs would gurgle, the traps would dry and the odors would come into the house. A failed plumbing vent will, therefore, result in septic odors in the home. Plumbing vents can get frozen in prolonged cold weather or they could also get blocked by leaves and other debris.

Remedies for septic tank odors in the home

- Periodically fill the floor drain traps with water. If the water levels are ok but the odor is still there, then ask your plumber to check your cleanout access plug to ensure it is not loose. A loose cleanout access plug can also allow gases to escape into your home so fixing it will resolve the problem.
- Frozen pipes will get thawed automatically on a warm day. You can also unfreeze the pipes by using a jetter or some warm water.
- Check to ensure the cover on the ejector sump pump basket is properly sealed. Replace with a new seal if need be.

Highlights

- Clogs in drains can cause gasses from the septic tank to back up into the home.
- Vents blocked by ice or outdoor plants can't properly let out septic smells.
- A septic tank can become too full of sewage, leading to a septic smell in the house.
- Check for clogs or blocked vents first, then call a local septic tank company for help.

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You probably never really want to think about your [septic tank](#), but when your home starts to smell less-than-fresh, that tank can be the source of the problem. A regularly serviced septic tank system can last for years, but a septic smell in your house could be a sign of trouble.

Need help troubleshooting a septic smell in your house? Explore five of the most common causes below and what you can do to fix the stink (and prevent more bad smells).

Related Article



[How Much Does a Septic System Cost? \[2023 Data\]](#)

1. Clogged Drains

If your drains are clogged, they can dry out. And while a dry drain doesn't sound bad, it can cause problems—like odor!

When a clog forms, it dries out the pipe, and that means there's no ventilation, which is essential to combatting odor. Dry drains can't filter the gasses building in the tank. Instead, the gas can seep into the home, causing a bad smell. If you think a clogged drain (or drains) could be part of the problem, contact a [plumber near you](#) to take a look.

2. Ice Buildup

In particularly cold weather, ice can build up on the vents of your plumbing pipes. A little ice is no biggie, but too much means air can't move through the vent, and the gasses from your tank will be redirected into your home. Not very nice.

This problem you can handle by yourself if you are able to remove the ice from the vent easily without causing damage. If you're worried the situation has gone too far, then it's time to bring in a professional.

3. Blocked Vents

While ice buildup can cause issues, it isn't just inclement weather that can lead to blocked vents and the bad smells that follow. Your landscaping, if not maintained, can also block those vents. Make sure to regularly trim any bushes that could block the vent, and keep your lawn trimmed, too.

4. Broken Pump

One of the key components of a septic tank system is the pump. The septic pump helps move wastewater in and out of the machine. If your septic tank pump is out of date, it may not be able to meet the capacity demands of your household.

Contact a plumber in your area to assess the situation if you suspect that a broken pump is to blame for the septic gas smell in your house.

5. Full Tank

While septic tanks naturally treat waste, they can't keep up with how regularly waste is deposited into the tank. That means you need to have your septic tank regularly emptied. If you don't, it can back up, leading to bad smells and a potential sewage spill in your home.

Make sure you are well-educated about the safety issues every septic tank owner should know and keep up with necessary maintenance. You should have your septic tank inspected every one to three years, and the Environmental Protection Agency (EPA) suggests that you have your septic tank emptied (a.k.a. pumped) every three to five years.

The average cost to have your septic tank pumped or cleaned is **\$410**. Most people spend between **\$290** and **\$540**. Very large tanks can cost \$1,000 or more.

How to Fix and Prevent Septic Tank Smells in Your House

You don't have to live with a septic smell in the house. There are a few common fixes to consider, like cleaning the drains or scheduling a septic tank pumping. From there, keep up with regular maintenance and be careful with what you pour down the drains to prevent septic smells in the future.

Unclog the Drains

If you suspect the septic smell in your house is from the drains, unclog them with a plunger, snake, or homemade cleaner made with equal parts baking soda and vinegar. But if unclogging the drains doesn't help, call a septic repair company or plumber to find the source of the smell.

Related Article



How to Clear a Main Sewer Line Clog Yourself in 8 Ways

Stop smelly, gurgling drains in their tracks

Flush and Pour Carefully

A septic smell in the house can come from clogs in the drains or deeper in the pipes, and septic tanks can be particularly vulnerable to clogs from items like wet wipes or cooking oils. To prevent clogs and septic system damage that can lead to septic odors, make sure to only flush human waste and toilet paper. Avoid flushing items like paper towels, menstrual products, or wet wipes.

In the kitchen, keep fats, oils, and grease, or FOG, out of the drains. Instead, pour these items into a sealable container to throw away with your usual trash. Coffee grounds are another culprit, as they cling together and to other debris in the pipes. Make sure to compost or throw out spent coffee grounds to prevent a clog.

Pump the Septic Tank

When you need to get rid of a septic tank odor outside, it's likely stemming from too much sludge in the septic tank. Solid waste settles at the bottom of the tank, and over time, it builds up. When the sludge takes up more than 1/3 of the tank, it can cause sewer gas and wastewater leaks, and raw sewage can leak into the yard or back up into your drains.

Every three to five years, be sure to have a local septic tank repair company come to pump the septic tank. They will remove the sludge and properly dispose of it at a wastewater management facility.

Becca Stokes contributed to this piece.

Is it normal for house to smell after septic tank pumped?

A broken toilet seal or failing plumbing vents will cause you to smell the odor after septic system pumping and maintenance, too. However, if you have either of these issues, you were already smelling foul odors before, so the pumping process only adds to it. Call a plumber right away to fix these problems. Mar 1, 2021