



HOWARD COUNTY HEALTH DEPARTMENT

60577

3 DATE 1/17/17

A5

Received From

South Carroll

PHONE #

410-895-4197

Repair

12345

For

Perc App - ~~12345~~ Scaggsville Road
Fulton, MD

☐ CASH

☒ CHECK

NO.

51737

One hundred sixty five

00/100

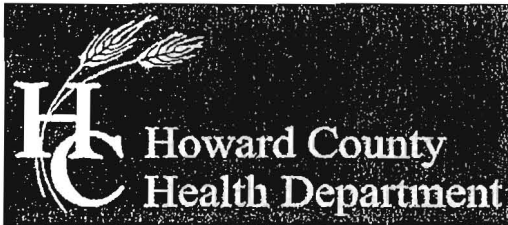
Dollars

\$

165 | 00

Received By

M. Curry



Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

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

4560577

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME

PROPERTY ADDRESS 12345 Scaggsville Rd Fulton ZIP

TAX ACCOUNT # TAX MAP GRID PARCEL LOT NO. PROPOSED LOT SIZE (ACRES)

ZONING CATEGORY TIER

PROPERTY OWNER(S) Brad Garrison

DAYTIME PHONE CELL 443-881-4086 EMAIL

MAILING ADDRESS 12345 Scaggsville Rd Fulton CITY, STATE ZIP

APPLICANT South Carroll Backhoe RELATIONSHIP TO OWNER:

DAYTIME PHONE 875-4197 CELL 410-596-3618 EMAIL

MAILING ADDRESS 4410 Salem Bottom Rd Westminster ZIP 21157

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S):

PROPERTY:

- ☐ SUBDIVISION: NUMBER OF LOTS INCLUDING RESIDUE: SUBDIVISION CLASSIFICATION (PER DEPT. OF PLANNING AND ZONING) ☐ MAJOR ☐ MINOR
- ☒ CONSTRUCT NEW OSDS ON UNDEVELOPED LOT
- ☒ REPAIR OR REPLACE FAILING OSDS
- ☒ UPGRADE EXISTING OSDS

BUILDING:

- ☐ RESIDENTIAL WITH EXISTING OR PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE
- ☐ COMMERCIAL (PROVIDE DETAIL OF TYPE OF USE AND NUMBERS OF EMPLOYEES/CUSTOMERS ON ACCOMPANYING PLAN)

IS THE PROPERTY WITHIN 2500 FEET OF ANY RESERVOIR?

- ☐ YES
- ☒ NO

AS APPLICANT, I UNDERSTAND THE FOLLOWING:

- THIS APPLICATION IS VALID FOR TWO(2) YEARS FROM DATE OF FEE PAYMENT AND APPROVAL IS BASED UPON HEALTH OFFICER SIGNATURE OF A PERC CERTIFICATION PLAN PRIOR TO EXPIRATION OF THIS PERMIT.
- THE APPLICATION FEE IS NON-REFUNDABLE
- THIS APPLICATION MUST BE ACCOMPANIED BY ALL APPLICABLE FEES AND A SUITABLE SITE PLAN IN ORDER TO BE PROCESSED
- THIS IS A PUBLIC DOCUMENT

I declare and affirm that to the best of my knowledge, the information contained herein is correct. I declare that I am the owner of the property or duly authorized to make this application on behalf of the owner. I agree to comply with all applicable state and county regulations.

By signature of this application, I hereby grant Howard County Health Department officials the right to enter onto the property for the purpose of inspecting the property as directly related to the requested permit/service.

Kenneth J. Schissel

SIGNATURE OF APPLICANT

3-17-17

DATE

see As-Built Done
8/24/09 Repair Perc testing
by B. Baker

(F)

Br-Rd L
WK SBK, roots

11 Br CL,
few mica,
CW, Dry,
WK SBK, roots

11 Br/Y ESL

WK PL, few
manganese, roots
micaceous.

WK Br/Y ESL
WK PL, Dry-
highly micaceous.
getting moist @
16'

(G)

OM, Dry Br
roots

Br, CL,
CS, sticky
msck, roots

Br/Y L, roots
CW, msck
Frisable, few iron/
mica deposits

Br/Y/Rd SL
Frisable, wk
PL, CW,
roots, Dry.
many mica

Grayish Fst, moist

WK PL, friable
Highly micaceous

100% Spinel
moist

(clay films
present)

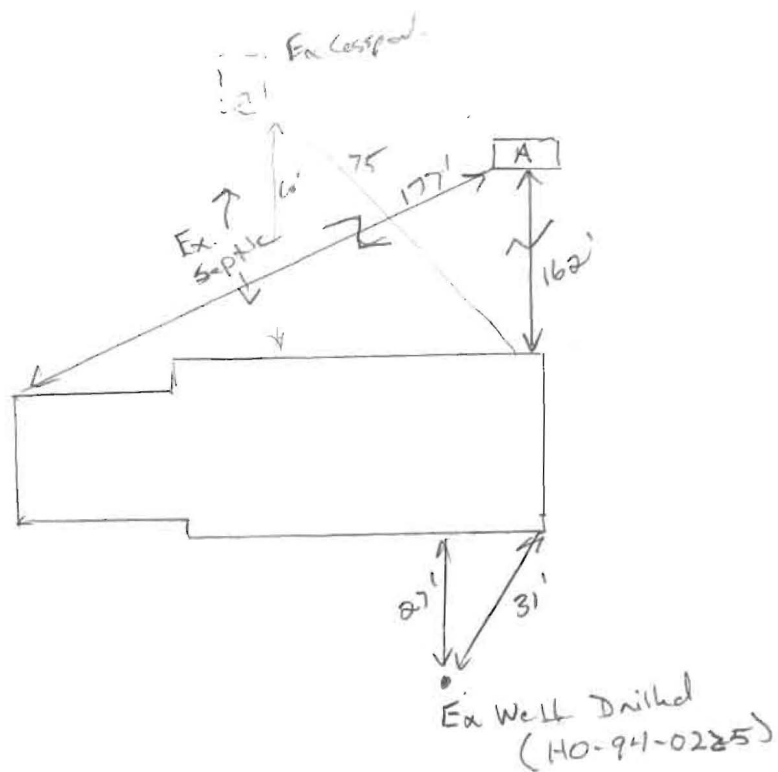
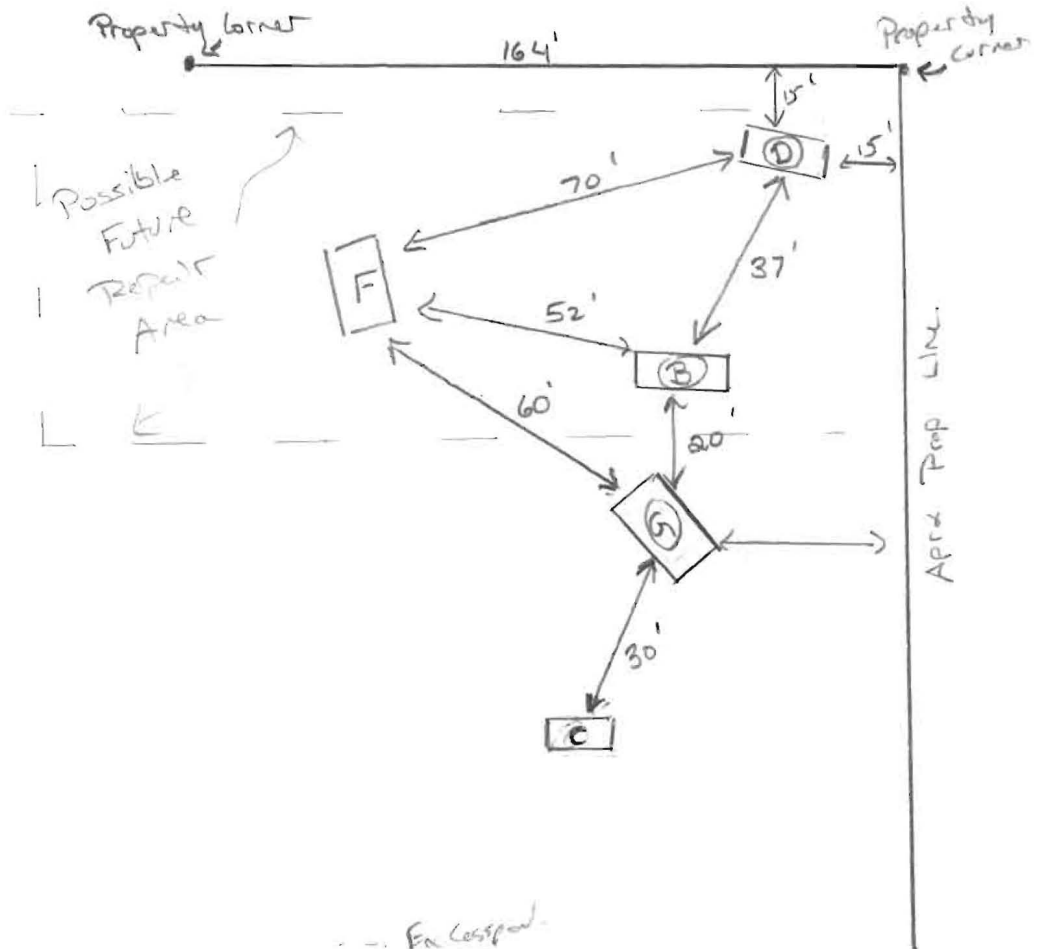
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
4/19/17	(F)	6' 16 1/2"	00:27	00:30	00:36	6	P
		H ₂ O poured @ 16'6"				~12	P
	(G)	6' 18 1/2"	00:33	00:43	pulled	→ 30 sec	H
		7' 3"	00:53	01:10	pulled	→	H
		8' 6"	00:17		pulled no movement		F

Grayish material decayed across rock. No signs of
REMARKS redox

SANITARIAN K. Wolf BACKHOE Mark Seal OTHERS Helper, owner
TEST HOLES USED IN SDA 3' AVG. PERC TIME SQ. FT/BR
TRENCH WIDTH 2 INLET DEPTH 3 MAX. BOT DEPTH 9 EFFECTIVE SW 5.5

$$\frac{700 \text{ gal}}{0.8} = \frac{875}{2} = 437.5 (.40) = 175 \text{ LF} \text{ or } 2 \times 87.5 \text{ or } 3 \times 59'$$

Note: Perc D, B, C previously
= completed 8/24/09 by B. Baker





HOWARD COUNTY HEALTH DEPARTMENT

60554

DATE 2/17/17

Received From

Dudley Garrison

PHONE #

AS 617-348-1112

For

Open (Tailor system) 12345
Shawsville Rd

☒ CASH
☐ CHECK

NO.

1081

One hundred fifty-five

Dollars

\$ 165.00

Received By

Shaw



Peru for Report
Bureau of Environmental Health
8930 Stanford Boulevard, Columbia, MD 21045
Main: 410-313-2640 | Fax: 410-313-2648
TDD 410-313-2323 | Toll Free 1-866-313-6300
www.hchealth.org
Facebook: www.facebook.com/hocohealth
Twitter: HowardCoHealthDep

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

APPLICATION
FOR PERCOLATION TESTING AND SITE EVALUATION

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME _____

PROPERTY ADDRESS 12345 SCAGGSVILLE RD FULTON MD 20759
STREET TOWN ZIP

TAX ACCOUNT # _____ TAX MAP 0040 GRID 0018 PARCEL 0126 LOT NO. _____ PROPOSED LOT SIZE (ACRES) _____
ZONING CATEGORY _____ TIER _____

PROPERTY OWNER(S) BRAD GARRISON & TABASSUM GARRISON

DAYTIME PHONE 6173081142 CELL 4438014086 EMAIL _____

MAILING ADDRESS 12345 SCAGGSVILLE RD FULTON MD 20759
STREET CITY, STATE ZIP

APPLICANT TABASSUM GARRISON

RELATIONSHIP TO OWNER: WIFE

DAYTIME PHONE 6173081142 CELL _____

EMAIL tommystyling@yahoo.com

MAILING ADDRESS Same as above
STREET CITY, STATE ZIP

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S):

PROPERTY:

- ☐ SUBDIVISION: NUMBER OF LOTS INCLUDING RESIDUE: _____
SUBDIVISION CLASSIFICATION (PER DEPT. OF PLANNING AND ZONING) ☐ MAJOR ☐ MINOR
☐ CONSTRUCT NEW OSDS ON UNDEVELOPED LOT
☒ REPAIR OR REPLACE FAILING OSDS
☐ UPGRADE EXISTING OSDS

BUILDING:

- ☒ RESIDENTIAL WITH 5 bedrooms in future EXISTING OR PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE
☐ COMMERCIAL (PROVIDE DETAIL OF TYPE OF USE AND NUMBERS OF EMPLOYEES/CUSTOMERS ON ACCOMPANYING PLAN)

plan minimum 700 gpd
RB

IS THE PROPERTY WITHIN 2500 FEET OF ANY RESERVOIR?

- ☐ YES
☒ NO

AS APPLICANT, I UNDERSTAND THE FOLLOWING:

- THIS APPLICATION IS VALID FOR TWO(2) YEARS FROM DATE OF FEE PAYMENT AND APPROVAL IS BASED UPON HEALTH OFFICER SIGNATURE OF A PERC CERTIFICATION PLAN PRIOR TO EXPIRATION OF THIS PERMIT.
- THE APPLICATION FEE IS NON-REFUNDABLE
- THIS APPLICATION MUST BE ACCOMPANIED BY ALL APPLICABLE FEES AND A SUITABLE SITE PLAN IN ORDER TO BE PROCESSED
- THIS IS A PUBLIC DOCUMENT

I declare and affirm that to the best of my knowledge, the information contained herein is correct. I declare that I am the owner of the property or duly authorized to make this application on behalf of the owner. I agree to comply with all applicable state and county regulations.

By signature of this application, I hereby grant Howard County Health Department officials the right to enter onto the property for the purpose of inspecting the property as directly related to the requested permit/service.

SIGNATURE OF APPLICANT

DATE

2/27/17

FILED
244-209

555'45"E 127'

SCAGGSVILLE RD.

DOB NOTED 343-499

55'40"E
55'

50' SBL

NEW ADDITION

PARCEL 2

TD. 343-499

PARCEL 1

TD. 244-209

495.61

N 34°15' E

S 34°15' W 537.05'

N 36°11' E 534.8'

557.11'

S 35°27' W

MORRIS A. BROWN'S
SUBDIVISION 4-82

N 37°45' W 133.53'

N 35°23' W
70'

1" = 40'

#12345 SCAGGSVILLE ROAD

The plat is of benefit to a consumer only insofar as it is required by a lender or a title insurance company or its agent in connection with contemplated transfer, financing or refinancing. The plat is not to be relied upon for the establishment or location of fences, garages, buildings, or other existing or future

Wolf, Kevin

From: Wolf, Kevin
Sent: Friday, June 02, 2017 12:27 PM
To: 'Brad Garrison'
Cc: scbackhoe@comcast.net
Subject: RE: 12345 Scaggsville Rd septic
Attachments: 20170602122203705.pdf; SEPTIC_PERMIT_12345 Scaggsville Road.pdf

Brad,
The spec's for the replacement are as follows:

Design for 3 existing bedrooms (450gpd), plus 1 salon seat (250gpd) = 700gpd design flow

- Trench total length = 175'
- Trench inlet = 3'
- Trench bottom depth = 9'
- Effective area starts = 5.5'
- Trench width = 2' (deep trench)

We will probably try to fit 2 trenches close to the perc test F. I will also need the BAT unit you are going with. Please keep in mind that the system will require a pump tank and pump.

Thanks,

Kevin M. Wolf, LEHS, REHS/RS
Groundwater Mgmt. Sec. Supervisor
Well & Septic Program
Bureau of Environmental Health
8930 Stanford Blvd.
Columbia, MD 21045
(o) 410-313-2645
(f) 410-313-2648



kwolf@howardcountymd.gov

CONFIDENTIALITY NOTICE

This message and the accompanying documents are intended only for the use of the individual or entity to which they are addressed and may contain information that is privileged, confidential, or exempt from disclosure under applicable law. If the reader of this email is not the intended recipient, you are hereby notified that you are strictly prohibited from reading, disseminating, distributing, or copying this communication. If you have received this email in error, please notify the sender immediately and destroy the original transmission.

From: Brad Garrison [<mailto:brad.garrison@hotmail.com>]
Sent: Wednesday, April 26, 2017 7:21 AM

To: Wolf, Kevin

Subject: 12345 Scaggsville Rd septic

Hi Kevin

It was great to meet you the other day during the perc test. Thank you for getting the job done quickly and efficiently.

I just wanted to follow up and see if any progress has been made on the system design or answering questions about the requirements for a salon.

Thank you

Brad Garrison

443.801.4086

Brad.garrison@hotmail.com



Howard County
Health Department

Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

www.hchealth.org

Facebook: www.facebook.com/hocohealth

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

RECEIPT DATE: 4/19/2017

ONSITE SEWAGE DISPOSAL SYSTEM

P 560555

APPROVAL DATE: _____

PERMIT:

BRF REPAIR

A _____

PROPERTY ADDRESS: 12345 Scaggsville Road

SUBDIVISION: Garrison Property

LOT: _____

TAX ID: 05-365066

CONTRACTOR: South Carroll Backhoe

EMAIL: skbackhoe@comcast.net

CONTRACTOR ADDRESS: 4410 Salem Bottom Road, Westminster MD

PHONE: 410-596-3618

CONTRACTOR CERTIFIED FOR BAT INSTALLATION: ☒ MDE

☒ MANUFACTURER:

PROPERTY OWNER: Brad & Tabassum Garrison

EMAIL: Brad.garrison@hotmail.com

OWNER ADDRESS: 12345 Scaggsville Road

PHONE: 443-801-4086

BAT UNIT MODEL: _____

PUMP SIZE: _____

PUMP TANK CAPACITY: _____

OPERATION & MAINTENANCE AGREEMENT

DATE SIGNED: 2/27/2017

DATE RECORDED: 2/27/2017

DISTRIBUTION SYSTEM: ☒ GRAVITY

☐ PRESSURE DOSED

BEDROOMS: 3

APPLICATION RATE: 0.6

TRENCHES:

LINEAR FEET REQUIRED: 175

INLET DEPTH: 3

TRENCH WIDTH: 2

MAXIMUM BOTTOM DEPTH: 9

MINIMUM SPACE

BETWEEN TRENCHES: 11

EFFECTIVE AREA BEGINNING DEPTH: 5.5

LOCATION: **TO BE STAKED BY SANITARIAN DURING PRE-CONSTRUCTION INSPECTION.**

NOTES:

System designed for a 3BR plus one addition salon seat at 250gpd. Future additions may require additional perc testing and development of a Percolation Certification Plan per Howard County Requirements sec. 3.805. Existing septic tank/drywell to be pumped and collapsed. Install 2x88' trenches or 3x59' trenches on contour over existing perc test hole 'F'. Must meet contractor on-site to lay system out.

ISSUED BY: Kevin Wolf

ISSUE DATE: 6/2/2017

EXPIRATION DATE: 6/2/2018

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 SEPTIC TANKS REQUIRED

NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE AT LEAST 100 FEET DOWNGRADE 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

NOTE: THE HCHD DOES NOT WARRANTY ANY SYSTEM AND CANNOT GUARANTEE THE PERFORMANCE OF THIS SYSTEM AS DESIGNED. BY ACCEPTING THIS PERMIT, THE OWNER AND/OR APPLICANT ACKNOWLEDGE THAT THE SPECIFICATIONS DETAILED IN THIS DESIGN ARE ONE POSSIBLE OPTION AND THAT THE HCHD WILL REVIEW OTHER PROPOSALS. YOU HAVE THE OPTION TO SEEK THE ADVICE OF A QUALIFIED DESIGN CONSULTANT OR PROFESSIONAL ENGINEER FOR FURTHER GUIDANCE.

NOTE: AN INDIVIDUAL CERTIFIED BY MDE AND THE MANUFACTURER FOR BAT INSTALLATION MUST BE PRESENT AT ALL TIMES DURING BAT INSTALLATION.

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.

P.O.B. PARCEL 1

S 55° 45' E

S 54° 0'

127'

55'

1 STORY
FRAME
DWLG.

CONC.
PORCH &
STEPS

MACADAM DRIVE

495.79'

32' ±

#12345

CONC. BSMT.
ENTRANCE
CONC. PORCH

534.8'

537.5'

TAX MAP 40
PARCEL 125

N 34° 15' E

PARCEL 1

1.505 Ac. ±

PARCEL 2

0.76 Ac. ±

S 34° 15' W

° 49' E

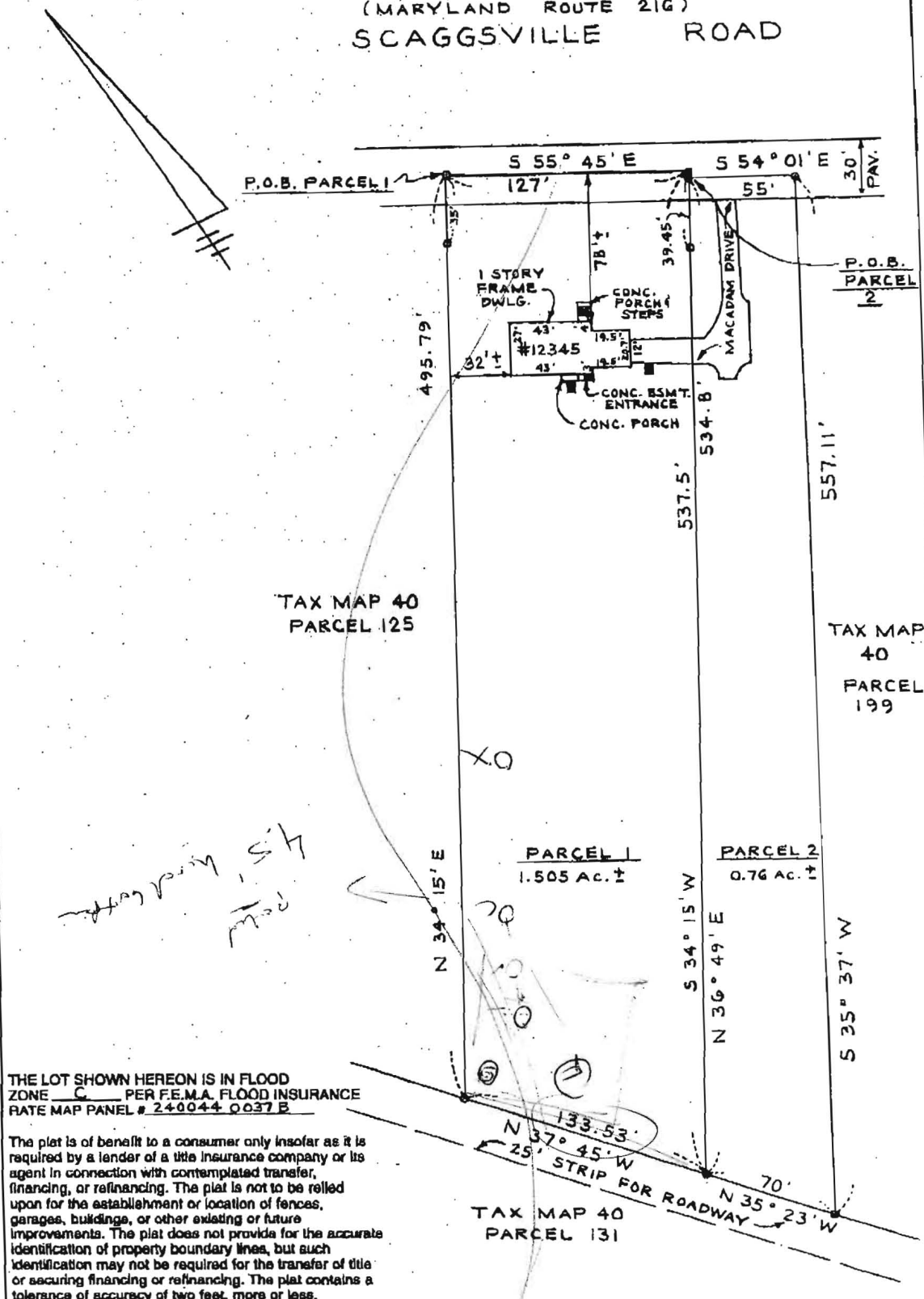
45
m

XO

20

20

(MARYLAND ROUTE 21G)
SCAGGSVILLE ROAD



THE LOT SHOWN HEREON IS IN FLOOD ZONE C PER F.E.M.A. FLOOD INSURANCE RATE MAP PANEL # 24-0044 0037 B

The plat is of benefit to a consumer only insofar as it is required by a lender of a title insurance company or its agent in connection with contemplated transfer, financing, or refinancing. The plat is not to be relied upon for the establishment or location of fences, garages, buildings, or other existing or future improvements. The plat does not provide for the accurate identification of property boundary lines, but such identification may not be required for the transfer of title or securing financing or refinancing. The plat contains a tolerance of accuracy of two feet, more or less.



HICKS ENGINEERING ASSOCIATES, INC.

ENGINEERS, SURVEYORS & PLANNERS
200 EAST JOPPA ROAD - SUITE 402
TOWSON, MARYLAND, 21288
TELEPHONE: (410) 484-0001

LOCATION DRAWING OF
#12345 SCAGGSVILLE ROAD
HOWARD COUNTY, MD.
DEED REF: 10765 - 210

DATE: 8/22/07 SCALE: 1" = 50' FILE:

Wolf, Kevin

From: Wolf, Kevin
Sent: Thursday, April 27, 2017 9:09 AM
To: 'Brad Garrison'
Subject: RE: 12345 Scaggsville Rd septic

Ben, I am currently working on it. I would say probably have something to you for a design by middle of next week. Just to be clear: The repair permit will be sized for 3 bedrooms **plus one salon seat**. The current sizing for a salon seat based on our current code is 250gallons/seat. Residential sizing for the septic system is 150gallons/bedroom per day. This equates to 450 gallons plus one salon seat (250gallons) equals 700gallons total design. This will suffice for a design close to perc test hole F (I will supply you with all the perc notes and data). Future expansion for the salon will require you to submit an application for percolation testing to define an area enough to include the new replacement design (700gpd) and 2 future replacement systems. This, however, will be dependent on finding suitable soil during the perc testing that will eventually define your area.

This testing will be followed by a percolation certification plan that you will need in order to process the building permit for the salon expansion and ultimately any future expansion of the property. Ill be in touch soon.

Thanks,

Kevin M. Wolf, LEHS, REHS/RS
Groundwater Mgmt. Sec. Supervisor
Well & Septic Program
Bureau of Environmental Health
8930 Stanford Blvd.
Columbia, MD 21045
(o) 410-313-2645
(f) 410-313-2648



kwolf@howardcountymd.gov

CONFIDENTIALITY NOTICE

This message and the accompanying documents are intended only for the use of the individual or entity to which they are addressed and may contain information that is privileged, confidential, or exempt from disclosure under applicable law. If the reader of this email is not the intended recipient, you are hereby notified that you are strictly prohibited from reading, disseminating, distributing, or copying this communication. If you have received this email in error, please notify the sender immediately and destroy the original transmission.

From: Brad Garrison [<mailto:brad.garrison@hotmail.com>]
Sent: Wednesday, April 26, 2017 7:21 AM
To: Wolf, Kevin
Subject: 12345 Scaggsville Rd septic

Hi Kevin

It was great to meet you the other day during the perc test. Thank you for getting the job done quickly and efficiently.

I just wanted to follow up and see if any progress has been made on the system design or answering questions about the requirements for a salon.

Thank you

Brad Garrison

443.801.4086

Brad.garrison@hotmail.com

Williams, Jeffrey

From: Williams, Jeffrey
Sent: Tuesday, June 27, 2017 10:19 AM
To: 'Brad Garrison'; Bricker, Robert; Wolf, Kevin
Cc: Tommy Garrison
Subject: RE: BRF award letter: Garrison 12345 Scaggsville Road

Part of the issue regarding paying out of pocket for the difference has to do with the technology of these tanks. They do not work as efficiently at Nitrogen reduction when they are oversized or in other words the incoming waste stream volume is smaller than the tank is designed to handle. As the grant is in place to pay for tanks to reduce Nitrogen heading to the Bay, it would be inappropriate for the grant to pay, even in part, for a tank that may not work as designed if the waste is not yet, or maybe never be big enough for the size. In your case, it's not only that you haven't initiated the upgrade for the multiple salon chairs, it's that our field work for the repair indicated that it is not certain you have the area available to ever get that expansion.

In order to proceed with the proposed expansion for salon chairs, you will need to work with a company to develop a perc test plan and submit a perc test application with our office to test and establish a sewage disposal area large enough to accommodate an initial system and at least one replacement system for the size desired. If that is successful, you will need to make the upgrade to the system prior to building permit approval. Any required upgrades to a well would have to be done at that time as well. Please note that the perc certification plan will be required even for one salon chair, which Kevin was going to size the repair system to accommodate. We were fairly confident that future repair area could be found for that size. Let me know if you have additional questions or concerns. Thanks
Jeff

From: Brad Garrison [mailto:brad.garrison@hotmail.com]
Sent: Tuesday, June 27, 2017 7:54 AM
To: Bricker, Robert; Wolf, Kevin; Williams, Jeffrey
Cc: Tommy Garrison
Subject: RE: BRF award letter: Garrison 12345 Scaggsville Road

Thank you for the clear response. Let's move forward with the basic unit.

Brad

----- Original message -----

From: "Bricker, Robert"
Date: 06/26/2017 9:11 AM (GMT-05:00)
To: Brad Garrison , "Wolf, Kevin" , "Williams, Jeffrey"
Cc: Tommy Garrison
Subject: RE: BRF award letter: Garrison 12345 Scaggsville Road

As a Plan Reviewer it is my understanding that the larger tank would indicate an upgrade, a situation in that we would not recommend approval of a grant in for any part of cost.
Robert Bricker, REHS/RS, L.E.H.S.

From: Brad Garrison [mailto:brad.garrison@hotmail.com]
Sent: Sunday, June 25, 2017 11:25 PM
To: Wolf, Kevin; Williams, Jeffrey; Bricker, Robert

Cc: Tommy Garrison

Subject: RE: BRF award letter: Garrison 12345 Scaggsville Road

Thank you Jeff. I understand the need for a percolation certification plan to enable the future expansion of the drainage area. My question is more centered around the tank. Would the county allow me to pay out of pocket for the cost difference to install a larger tank?

Thanks

Brad

----- Original message -----

From: "Wolf, Kevin"

Date: 06/23/2017 5:17 PM (GMT-05:00)

To: Brad Garrison, "Williams, Jeffrey", "Bricker, Robert"

Cc: Tommy Garrison

Subject: RE: BRF award letter: Garrison 12345 Scaggsville Road

Brad,

As explained in this email and previous emails, the BAT unit you are selecting is for the repair of your current septic system only. You would need to apply for percolation testing to develop a septic reserve area on your property. This would ultimately be followed up by the Percolation Certification Plan.

Kevin

From: Brad Garrison [<mailto:brad.garrison@hotmail.com>]

Sent: Friday, June 23, 2017 3:59 PM

To: Williams, Jeffrey; Bricker, Robert; Kristin Mielcarek; Nancy Mayer (nancy@mayerprecast.com); Nancy Mayer <mbi1959@yahoo.com> (mbi1959@yahoo.com)

Cc: Tommy Garrison; Wolf, Kevin

Subject: RE: BRF award letter: Garrison 12345 Scaggsville Road

Thank you for your prompt response. Your answer makes sense. Hope you don't mind answering a couple of follow-up questions.

Would we be allowed to pay the cost difference out of pocket for the bigger unit, but still receive the funding that covers the smaller unit, installation, etc.?

Other than getting a bigger unit now, what are our options for future expansion? Are there add-on tanks or other ways to increase capacity?

What are the other requirements for future expansion? Perc certification was mentioned in conversation. Is there anything more than that?

Thanks,

Brad

From: Williams, Jeffrey

Sent: Friday, June 23, 2017 3:30 PM

To: Bricker, Robert; Brad Garrison; Kristin Mielcarek; Nancy Mayer (nancy@mayerprecast.com); Nancy Mayer <mbi1959@yahoo.com> (mbi1959@yahoo.com)

Cc: Tommy Garrison; Wolf, Kevin

Subject: RE: BRF award letter: Garrison 12345 Scaggsville Road

It seems that the Hoot 600 is an adequate size for the current use, which includes extra capacity for an in-home hair styling station. We are funding this project as a repair and are not in a position to approve an increase in grant payment for something that is not associated with a repair of the existing condition. It would not be appropriate for the grant to pay for a system that is oversized for the current use in order to accommodate a proposed future use for which it has not been determined there is adequate disposal area to support.

Jeff

From: Bricker, Robert

Sent: Thursday, June 22, 2017 9:30 AM

To: Brad Garrison; Kristin Mielcarek; Nancy Mayer (nancy@mayerprecast.com); Nancy Mayer <mbi1959@yahoo.com> (mbi1959@yahoo.com)

Cc: Tommy Garrison; Williams, Jeffrey; Wolf, Kevin

Subject: RE: BRF award letter: Garrison 12345 Scaggsville Road

Brad, As I do not handle the BRF grant issues, I will defer to Jeff.

Robert Bricker, REHS/RS, L.E.H.S.

From: Brad Garrison [<mailto:brad.garrison@hotmail.com>]

Sent: Wednesday, June 21, 2017 9:58 PM

To: Kristin Mielcarek; Nancy Mayer (nancy@mayerprecast.com); Nancy Mayer <mbi1959@yahoo.com> (mbi1959@yahoo.com)

Cc: Bricker, Robert; Tommy Garrison; Williams, Jeffrey

Subject: RE: BRF award letter: Garrison 12345 Scaggsville Road

I spoke with Nancy earlier today. Ultimately, we need an answer from the County. I thought you might know.

Robert: Can you weigh in on whether the larger Hoot system is covered by BRF?

Thanks,

Brad

----- Original message -----

From: Kristin Mielcarek

Date: 06/21/2017 8:51 PM (GMT-05:00)

To: "Nancy Mayer (nancy@mayerprecast.com)", "Nancy Mayer (mbi1959@yahoo.com)"

Cc: "Bricker, Robert (RBricker@howardcountymd.gov)", Tommy Garrison, Brad Garrison, "Williams, Jeffrey"

Subject: RE: BRF award letter: Garrison 12345 Scaggsville Road

Hi Nancy,

Please see the question below from a Howard County BRF grantee. Can you provide the specifications for the HOOT system(s) that can be covered by BRF funds?

Thanks,

Kristin

From: Brad Garrison [mailto:brad.garrison@hotmail.com]
Sent: Wednesday, June 21, 2017 3:54 PM
To: Kristin Mielcarek; Williams, Jeffrey
Cc: Bricker, Robert (RBricker@howardcountymd.gov); Tommy Garrison
Subject: RE: BRF award letter: Garrison 12345 Scaggsville Road

Hi Kristin,

I'm finalizing the quotes from the installers this week. One question that came up: would an upgrade from the 600 gallon to the 1000 gallon Hoot system be covered by the BRF grant?

Thanks,
Brad

From: Kristin Mielcarek
Sent: Friday, June 9, 2017 11:30 AM
To: Brad Garrison; Williams, Jeffrey
Cc: Bricker, Robert (RBricker@howardcountymd.gov); Tommy Garrison
Subject: RE: BRF award letter: Garrison 12345 Scaggsville Road

Hi Brad,

Our grant ends on June 30, but we are given a 45 day grace period to complete installation. If things are progressing by the end of June, installation can be completed by August 15th.

Thanks for the quick response and let me know if you need anything.
Kristin

From: Brad Garrison [mailto:brad.garrison@hotmail.com]
Sent: Friday, June 09, 2017 11:21 AM
To: Kristin Mielcarek; Williams, Jeffrey
Cc: Bricker, Robert (RBricker@howardcountymd.gov); Tommy Garrison
Subject: RE: BRF award letter: Garrison 12345 Scaggsville Road

Yes, we are moving forward. I only just received the design specifications for Howard County and am working diligently to obtain quotes from vendors and start work as fast as humanly possible.

I had expressed concern some months back that the dependency on the county had delayed the time line specified in the award. I had requested an extension of time which was granted. I will try my best but I cannot speak to the availability of the limited number of vendors in the area or their ability to start by a specific date. I was not aware of the 6/30 deadline until now and had even been told we have until July/August. There was no urgency and there were lengthy delays in getting the perk test and design specifications all of which was outside of my control. Again, I'll do my best and try to meet the deadline, but would feel much more conformable if there were a little bit more time.

Thank you,
Brad

----- Original message -----

From: Kristin Mielcarek
Date: 06/09/2017 10:15 AM (GMT-05:00)

To: Brad Garrison , "Williams, Jeffrey"
Cc: "Bricker, Robert (RBricker@howardcountymd.gov)" , Tommy Garrison
Subject: RE: BRF award letter: Garrison 12345 Scaggsville Road

Hello Brad,

We are nearing the end of our grant term so I wanted to check in with you to be sure that you are still moving forward with your septic replacement. Will you be beginning construction by June 30, 2017?

Thanks,
Kristin

From: Brad Garrison [<mailto:brad.garrison@hotmail.com>]
Sent: Friday, April 07, 2017 11:13 AM
To: Kristin Mielcarek; Williams, Jeffrey
Cc: Bricker, Robert (RBricker@howardcountymd.gov); Tommy Garrison
Subject: RE: BRF award letter: Garrison 12345 Scaggsville Road

Hi Kristin

I am writing to request an extension of the timeline to complete the installation.

The backhoe company was fully booked due to the DC area snow storm 2 weeks ago and the perk test that was scheduled for 4/4 was cancelled by the county due to rain. We still don't have a date from the county for the rescheduled perk test.

We did file the permit and agreement and easement with Howard County.

Thank you and have a nice day,

Brad Garrison
443.801.4086

From: Kristin Mielcarek
Sent: Monday, March 6, 2017 10:27 AM
To: Brad Garrison; Williams, Jeffrey
Cc: Bricker, Robert (RBricker@howardcountymd.gov); Tommy Garrison
Subject: RE: BRF award letter: Garrison 12345 Scaggsville Road

Hello Brad,
Sorry for the slow response. I was on vacation last week.

Yes, I did receive your signed grant award letter.
Thank you for being in touch.
Kristin

From: Brad Garrison [<mailto:brad.garrison@hotmail.com>]
Sent: Thursday, March 02, 2017 1:38 PM
To: Kristin Mielcarek; Williams, Jeffrey
Cc: Bricker, Robert (RBricker@howardcountymd.gov); Tommy Garrison
Subject: RE: BRF award letter: Garrison 12345 Scaggsville Road

Hi Jeff

I just received Kristin's OOO respnoder. Can you check that we are good on the paperwork?

Thanks
Brad Garrison
443.801.4086

----- Original message -----

From: Brad Garrison
Date:03/02/2017 1:02 PM (GMT-05:00)
To: Kristin Mielcarek , "Williams, Jeffrey"
Cc: "Bricker, Robert (RBricker@howardcountymd.gov)" , Tommy Garrison
Subject: RE: BRF award letter: Garrison 12345 Scaggsville Road

Hi Kristin

We signed and emailed back the award letter as soon as we received it, but didn't see a confirmation email back. Plus we haven't yet received the letter in the mail. Are we good with the paperwork?

Thanks
Brad

----- Original message -----

From: Kristin Mielcarek
Date:02/23/2017 1:38 PM (GMT-05:00)
To: "Williams, Jeffrey"
Cc: "Bricker, Robert (RBricker@howardcountymd.gov)" , Tommy Garrison , Brad Garrison
Subject: BRF award letter: Garrison 12345 Scaggsville Road

Jeff,
Attached is the grant award letter for Mr. and Mrs. Garrison. I'm mailing the original to them today.

Thanks!
Kristin

Kristin Mielcarek
Watershed Circuit Rider
Canaan Valley Institute
494 Riverstone Road
Davis, WV 26260

Ph: 304-940-3443
Fax: 304-259-4759

FILE INQUIRY NOTES

[illegible]



HOWARD COUNTY HEALTH DEPARTMENT

31872

DATE
18 / 10 / 09

A5

Received
From

Hutfields Equipment

PHONE #

410 984 0101

☐ CASH

☐ CHECK

NO. in

For

Repair perc.

12345 Seagoville Rd

one hundred sixty five

Dollars

\$

165

Received By

W. M. W.

Repair Perch Only

Fee Paid \$
Receipt #P

SEPTIC SYSTEM REPAIR / UPGRADE / EVALUATION REQUEST

Please fill out this form completely and check off the reason for the request:

Date requested: _____

Reason for Request

Failing System (includes surface discharge or inadequate treatment zone) ☒

Has the contractor verified through excavation/pumping evaluation, that there are no pipe blockages?

In support of a building permit. Type of building addition: _____

*System relocation for proposed addition for setback compliance _____

*Verification of adequate system capacity per COMAR 26.04.02.02D (4) _____

To replace collapsed septic tank or upgrade tank capacity ☒

To replace collapsed drywell ☒

Septic Contractor: _____

Hotfields Equipment

Contractor's Address: _____

P O Box 519

Annapolis Junction Md 20701

Contractor's Phone #: _____

410 984 0101

Property Address: _____

12345 Scaggsville Rd

Property (Subdivision) & Lot # _____

Owner's Name: _____

Bradley Garrison

Is public sewer available/nearby: _____

No

Names of Any Previous Owners: _____

Year House Built: _____

1940

of Existing Bedrooms: _____

3

of Bedrooms after completion of addition: _____

Has this request been discussed previously with a Sanitarian, who? _____

If public sewer is close, further research will be performed to verify availability and possible hook up to public sewer.

A Sanitarian will be in contact within three business days depending upon the urgency of the situation to coordinate the scheduling of the repair /upgrade/evaluation. No inspection will be performed without fee collection at the office.

Environmental Sanitarian tentatively assigned _____

FAX TO 410-313-2648

A/P

Property Corner ← Apr. 163' → Property Corner

(A)
Dense
Clay,
Mottling
and
Hard
Bottom
Perched

2.5'

(B)
Red Br
Cl Loam

2'-2.5'

Dense Or Br
Loam, Trace
Rock

5.5'-6'

Beige Loamy
Sa Turning
Grey Deeper,
Mottling at
~10'
~15% Saprolite
Wet

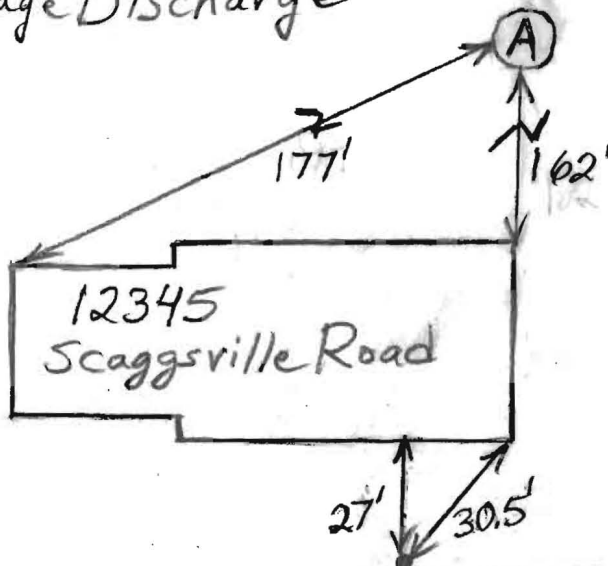
14'

(C)
Mottled
Cl Loams
Above Rock
Perched

Hard
Bottom

4.5'

No Signs of
Sewage Discharge



(D)
Red Dense
Cl Loam-Loam
Trace Rock
2.5'-3'
Dense Red Loam
Trace Rock
4'
Red Br Sa
Cl Loam
5.5'
Or Br Sa
Loam, Loamy
Sa Deeper
Manganese
Enrichments
~10', ~15%
Saprolite
15'

Route 216 Well H0-94-0225

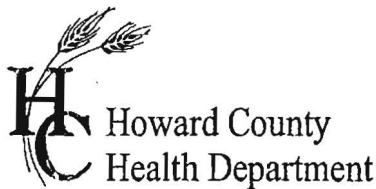
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
8/24/09	A	2.5' V	Hard Bottom				F
	B	6.5' / 14' V	2:13:20	2:21:30	2:34:30		13
	C	4.5' V	Hard Bottom				F
	D	6' / 15' V	3:31:30	3:40:30	3:52		11 1/2
	F+	(see perc Details on separate sheet dated 4/19/17)					
	G						

REMARKS: Install Bed at Highest Rear Corner of Property

SANITARIAN: B. Baker BACKHOE: Hatfields OTHERS: Homeowner

TEST HOLES USED IN SDA: B+D AVG. PERC TIME: 12 SQ. FT/BR

TRENCH WIDTH: INLET DEPTH: MAX. BOT DEPTH: 6' EFFECTIVE SAW



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 531872

AGENCY REVIEW: _____

DATE _____

DO NOT WRITE ABOVE THIS LINE

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S) TO:

CHECK AS NEEDED:

- ☐ CONSTRUCT NEW SEPTIC SYSTEM(S)
- ☐ REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM
- ☐ REPLACE AN EXISTING SEPTIC SYSTEM

CHECK AS NEEDED:

- ☐ NEW STRUCTURE(S)
- ☐ ADDITION TO AN EXISTING STRUCTURE
- ☐ REPLACE AN EXISTING STRUCTURE

CHECK ONE:

- ☐ CREATE NEW LOT(S)
- ☐ BUILD ON AN EXISTING LOT IN A SUBDIVISION
- ☐ BUILD ON AN EXISTING PARCEL OF RECORD

IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- ☐ YES
- ☐ NO

THE TYPE OF STRUCTURE IS:

- ☐ RESIDENTIAL WITH _____ PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE (NOTE **UNKNOWN** IF APPROPRIATE)
- ☐ COMMERCIAL (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/CUSTOMERS ON ACCOMPANYING PLAN)
- ☐ INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) Bradley Garrison

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS 12345 Scaggsville Road Fulton MD 20759
STREET CITY/TOWN STATE ZIP

APPLICANT _____

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS _____
STREET CITY/TOWN STATE ZIP

APPLICANT'S ROLE: DEVELOPER BUILDER BUYER RELATIVE/FRIEND REALTOR CONSULTANT

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME _____ LOT NO. _____

PROPERTY ADDRESS 12345 Scaggsville Road 20759
STREET TOWN/POST OFFICE

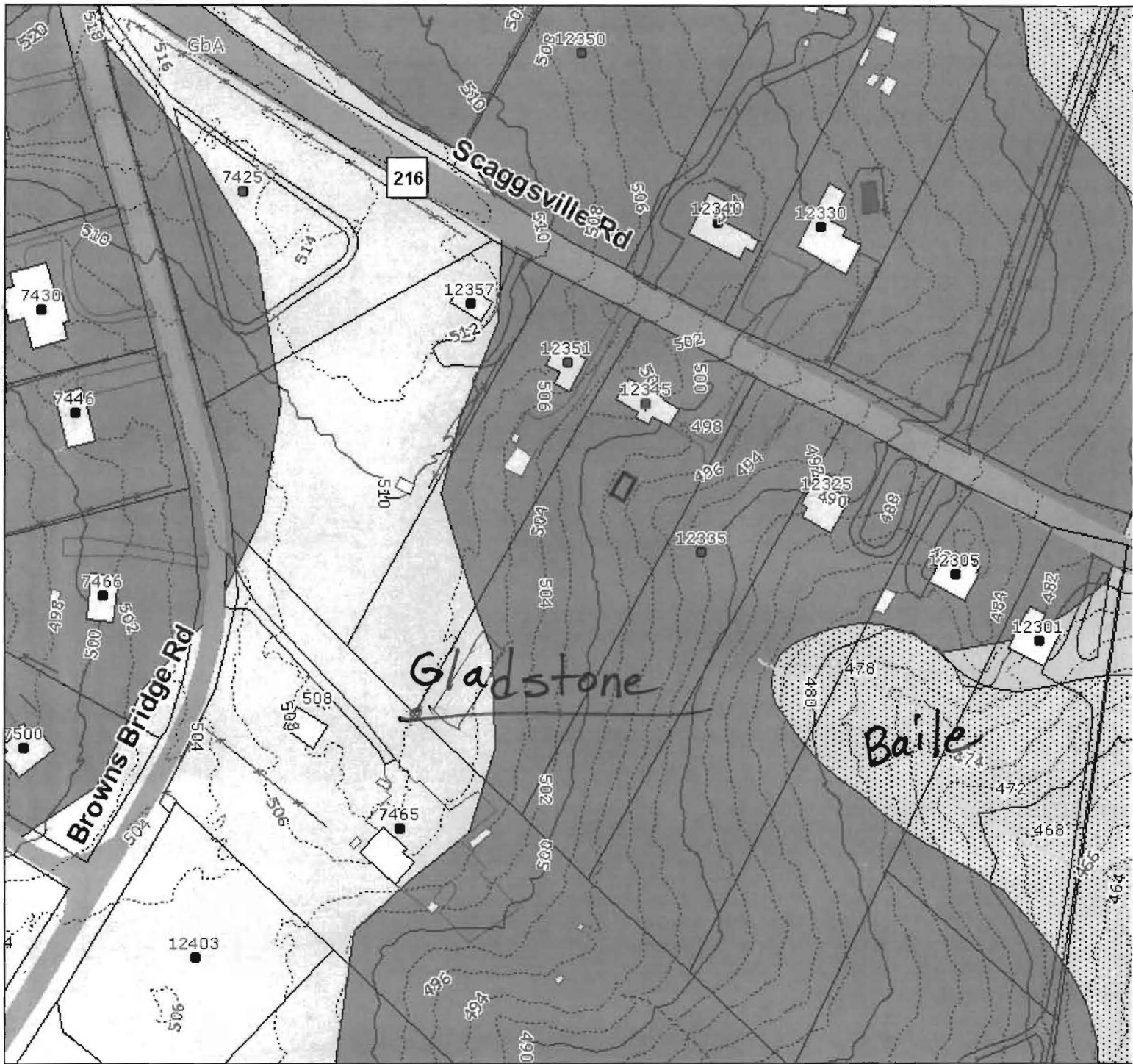
TAX MAP PAGE(S) _____ GRID _____ PARCEL(S) _____ PROPOSED LOT SIZE _____

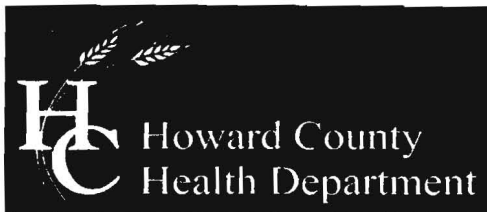
AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN.

TEST RESULTS WILL BE MAILED TO APPLICANT.

SIGNATURE OF APPLICANT _____

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-1771 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH





Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046-2147
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Peter L. Beilenson, M.D., M.P.H., Health Officer

Fax

To: Kenny Hatfield From: Brian Baker
Fax: (301) 490-5794 Pages: 3 Total
Phone: _____ Date: 10/14/09
Re: 12345 Rt. 216 CC: File

☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

• Comments:

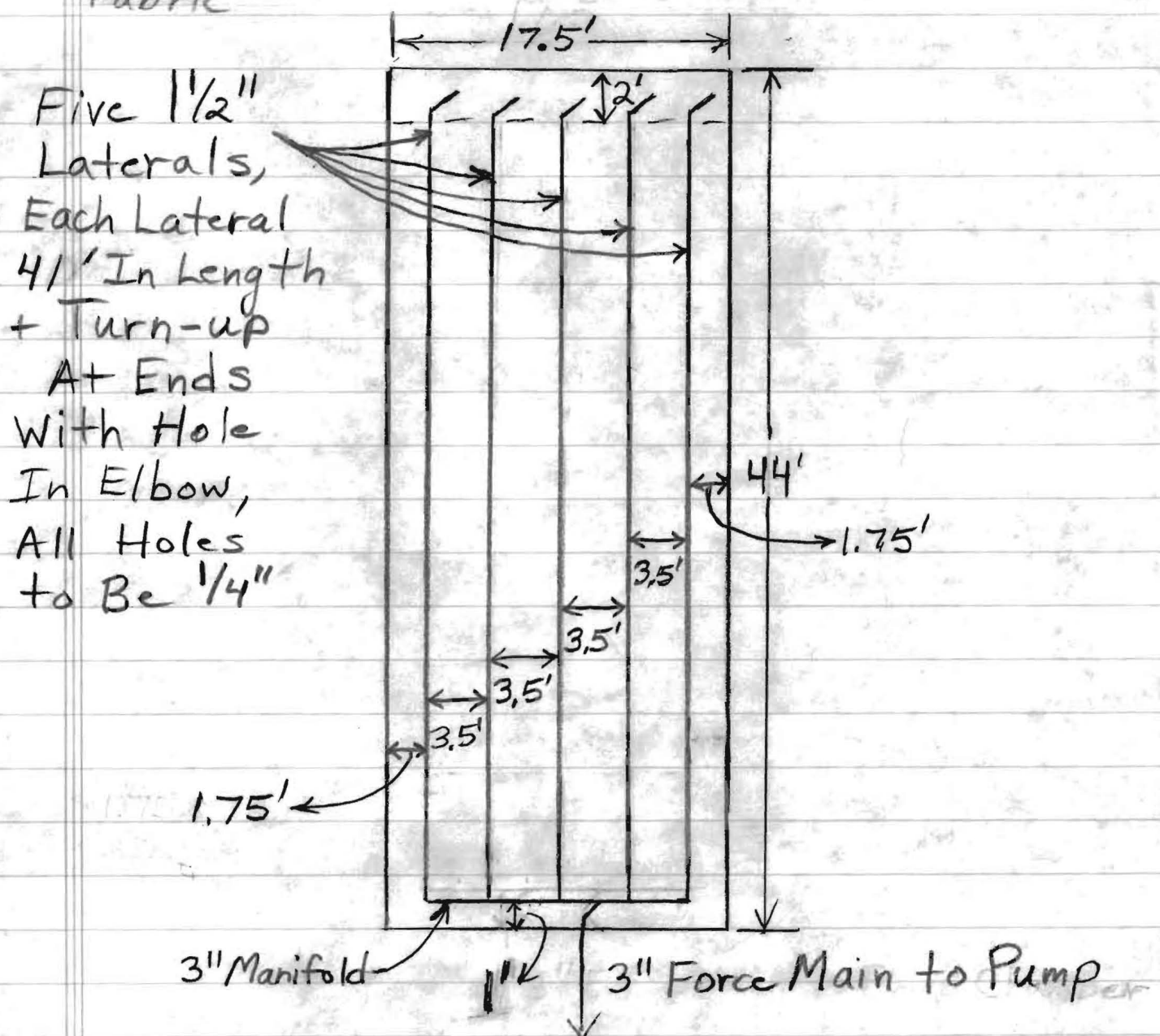
Kenny,
Here's the repair specs. for the house where we did the perc. testing that is near Browns Bridge Road and on Scaggsville Road. I think the house owner is Bradley Garrison.

12345 Scaggsville Road - Repair

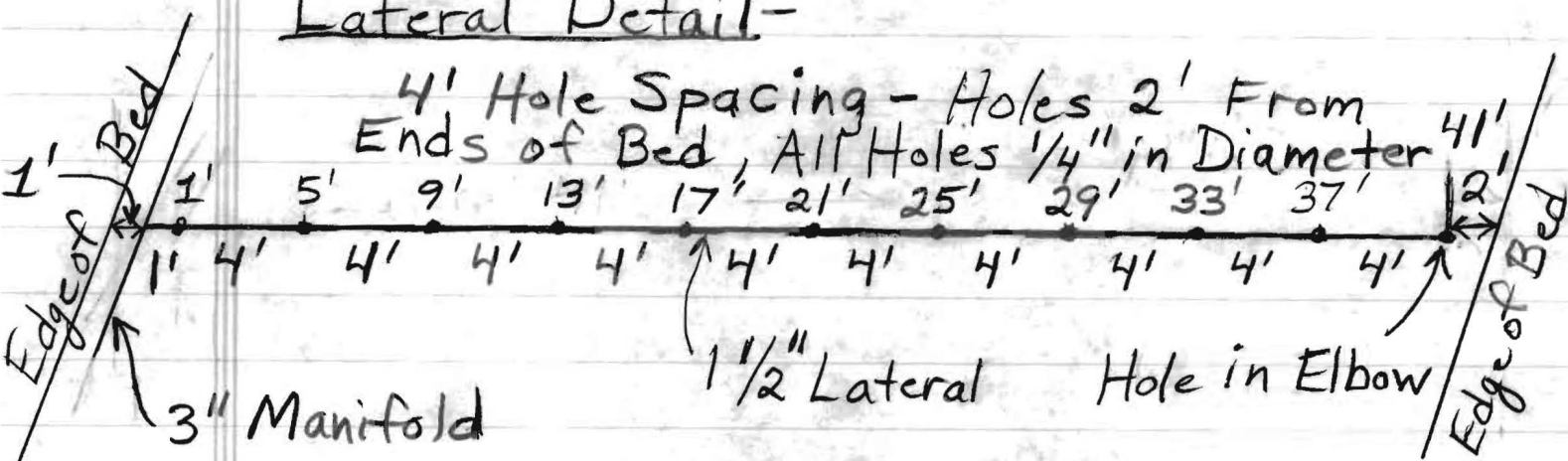
1500 Gallon Slotted Tank

1250 Gallon Pump Chamber

- Bed With Low Pressure Distribution to Be Installed in Highest Right Rear Lot Corner
- Bed Size $\rightarrow 17.5' \times 44'$
- Bed Inlet $\rightarrow 3' - 3.5'$
- Bed Bottom $\rightarrow 6' - 6.5'$
- 2.5' of Clean Washed #2 Stone and 0.75' of Clean Washed $3/4''$ Stone on Top
- Start Bed at 6' Depth at Lowest Part of Area and Level Bed Bottom to Highest Part of Area
- Rake Bed Bottom Before Adding Stone to Remove Any Compaction
- Cover Laterals With $3/4''$ Stone and Geotextile Fabric



Lateral Detail-



Probably a $\frac{3}{4}$ HP Pump
May Need 3\" Ball Valve in Pump Tank

12345 Scaggsville Road -
 Repair - Absorption Bed
 563 sq.ft. of Bottom Area Required
 (0.8 gal/sq.ft. loading rate)

~ Maximum Usable Area = 18' x 45'

17.5' x 44'

1.75/3.5/7/10.5/14/1.75 Holes 55
 1.28 gpm at 3' head
 55 Holes = 70.4 gpm

1.75 ² 4 8 12 16 20 24 28 32 36 40 2 | 1.75
 3.5 7 10.5 14 17.5 21 24.5 28 31.5 35 38.5 42

Top of Tank ~ 498.5

Invert ~ 503 Inlet 4', Bottom 6'

Difference is ~ 4.5', Water Level 5' Below Top

4.5' + 5' + 3' = 12.5' 3' Head

3/4 HP pump = ~ 28' of head at 70 gpm

Holes 3.5' x 4'

Bed 17.5' x 44'

Head Loss 4.3 For 250' of 3" PVC at 83 gpm
 3.2 250" 3" at 70.4 gpm

~ 17.7' Head + Fittings

12.5
 3.2
 2 From Manifold
 17.7

Delivery is \$ 110

1000 - 700 + 110 + tax for all tanks

1250 - 780 + 110

1500 - 900 + 110 Slotted or Not

2000 - 1175 + 110 Slotted or Not

$$\left| 1.75 \mid 3.5 \mid 3.5 \mid 3.5 \mid 3.5 \mid 1.75 \right|$$

17.5'

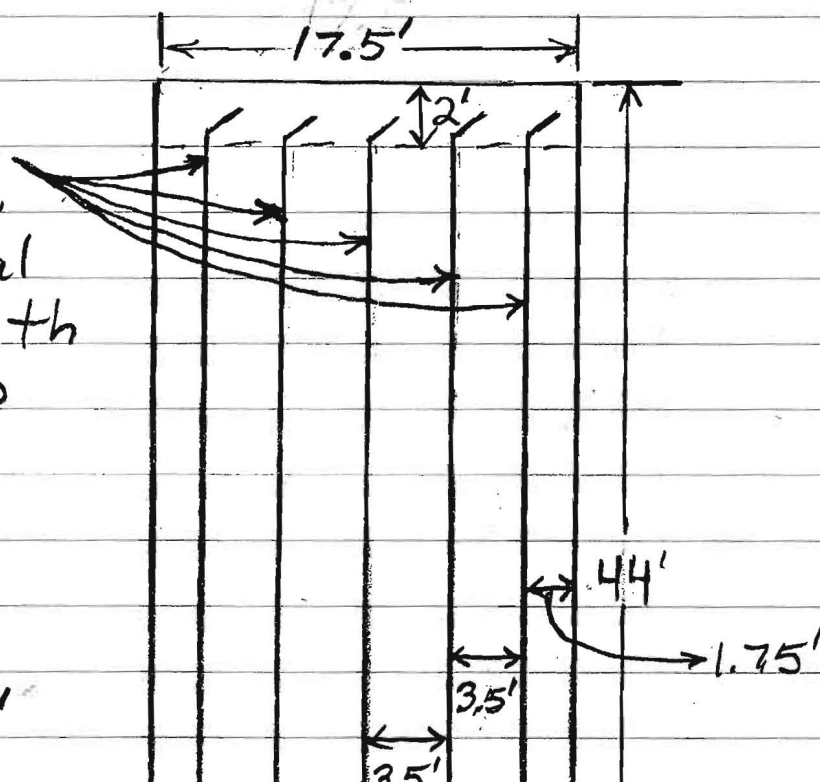
12345 Scaggsville Road - Repair

1500 Gallon Slotted Tank

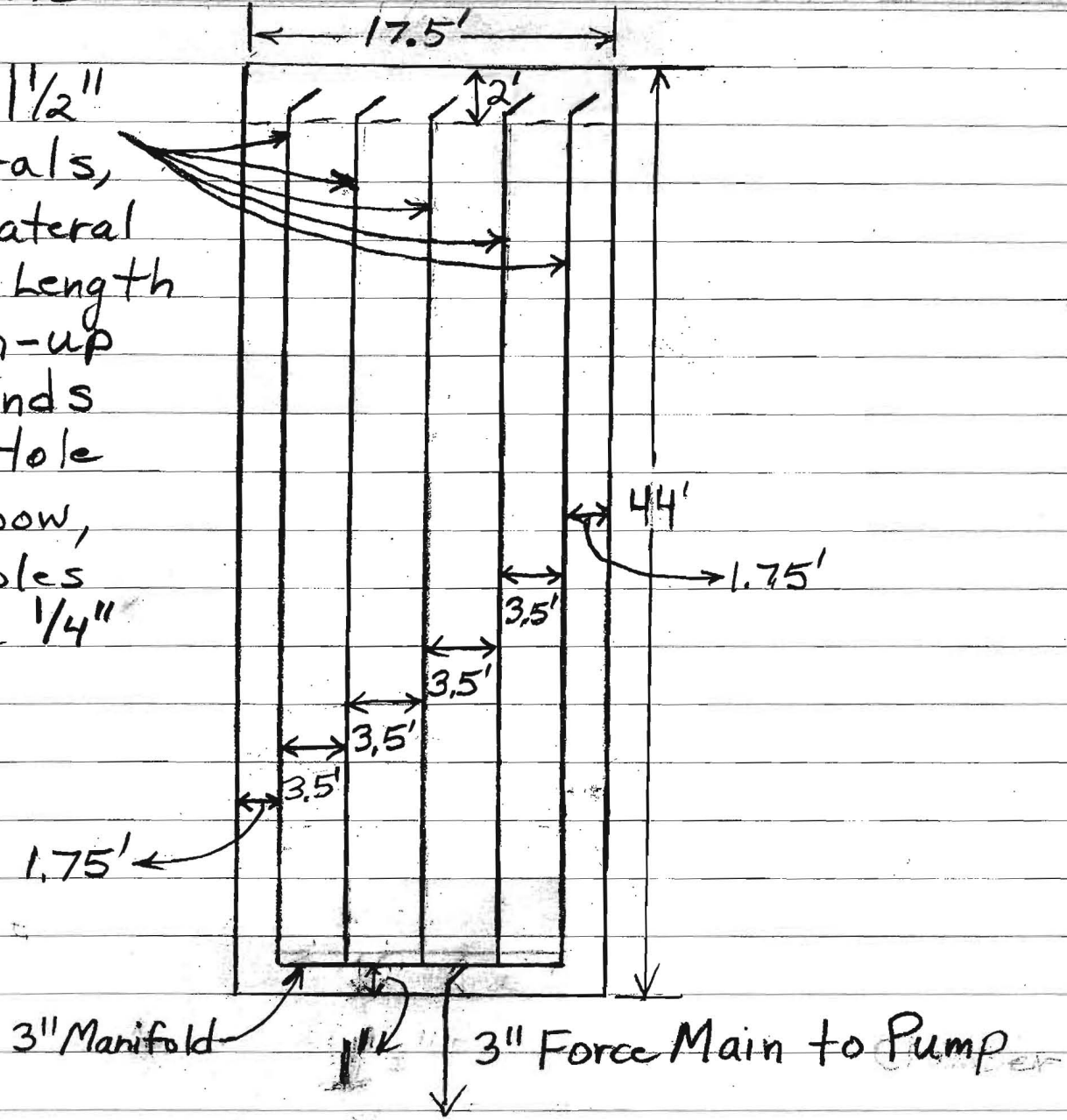
1250 Gallon Pump Chamber

- Bed With Low Pressure Distribution to Be Installed in Highest Right Rear Lot Corner
- Bed Size $\rightarrow 17.5' \times 44'$
- Bed Inlet $\rightarrow 3' - 3.5'$
- Bed Bottom $\rightarrow 6' - 6.5'$
- 2.5' of Clean Washed #2 Stone and 0.75' of Clean Washed $3/4''$ Stone on Top
- Start Bed at 6' Depth at Lowest Part of Area and Level Bed Bottom to Highest Part of Area
- Rake Bed Bottom Before Adding Stone to Remove Any Compaction
- Cover Laterals With $3/4''$ Stone and Geotextile Fabric

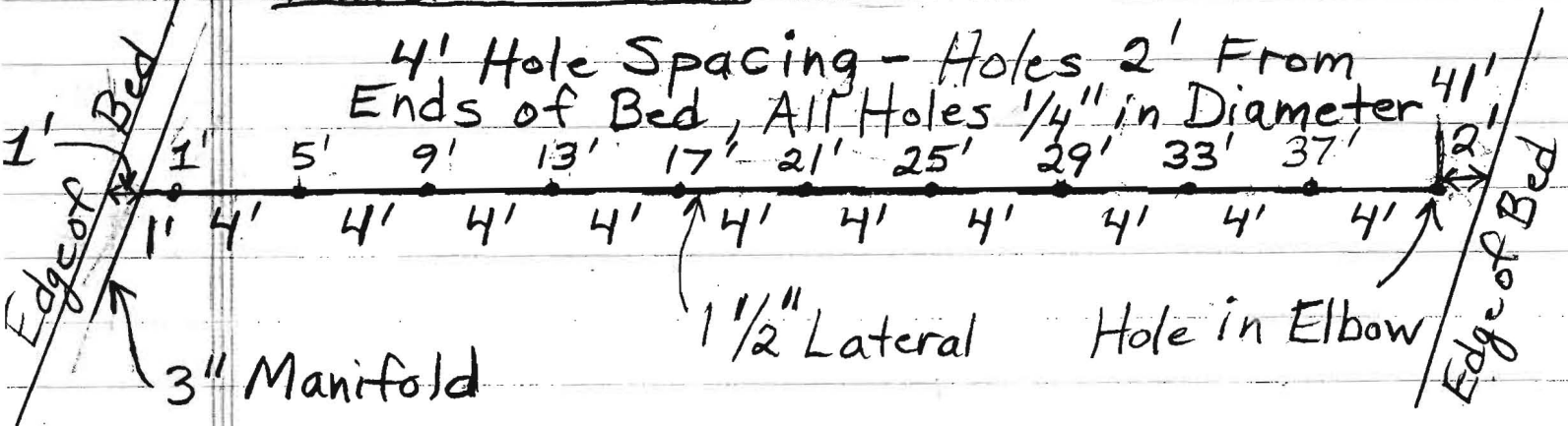
Five $1\frac{1}{2}''$
Laterals,
Each Lateral
 $41'$ In Length
+ Turn-up
At Ends
With Hole
In Elbow,
All Holes
to Be $1/4''$



Five 1 1/2" Laterals,
 Each Lateral
 41' In Length
 + Turn-up
 At Ends
 With Hole
 In Elbow,
 All Holes
 to Be 1/4"



Lateral Detail-



Probably a 3/4 HP Pump
 May Need 3" Ball Valve in Pump Tank



ITT

GOULDS PUMPS Wastewater

APPLICATIONS

Specifically designed for the following uses:

- Homes, Farms, Trailer Courts, Motels, Schools, Hospitals, Industry, Effluent Systems

SPECIFICATIONS

Pump

- Solids handling capabilities: $\frac{3}{4}$ " maximum.
- Discharge size: 2" NPT.
- Capacities: up to 140 GPM.
- Total heads: up to 128 feet TDH.
- Temperature:
104°F (40°C) continuous, 140°F (60°C) intermittent.
- See order numbers on reverse side for specific HP, voltage, phase and RPM's available.

MOTORS

- Fully submerged in high-grade turbine oil for lubrication and efficient heat transfer.
- Class B insulation on $\frac{1}{3}$ – $1\frac{1}{2}$ HP models.
- Class F insulation on 2 HP models.

Single phase (60 Hz):

- Capacitor start motors for maximum starting torque.
- Built-in overload with automatic reset.
- SJTOW or STOW severe duty oil and water resistant power cords.

- $\frac{1}{3}$ – 1 HP models have NEMA three prong grounding plugs.
- $1\frac{1}{2}$ HP and larger units have bare lead cord ends.

Three phase (60 Hz):

- Class 10 overload protection must be provided in separately ordered starter unit.
- STOW power cords all have bare lead cord ends.

■ **Designed for Continuous Operation:** Pump ratings are within the motor manufacturer's recommended working limits, can be operated continuously without damage when fully submerged.

■ **Bearings:** Upper and lower heavy duty ball bearing construction.

■ **Power Cable:** Severe duty rated, oil and water resistant. Epoxy seal on motor end provides secondary moisture barrier in case of outer jacket damage and to prevent oil wicking. Standard cord is 20'. Optional lengths are available.

■ **O-ring:** Assures positive sealing against contaminants and oil leakage.

AGENCY LISTINGS



Tested to UL 778 and CSA 22.2 108 Standards
By Canadian Standards Association File #LR38549
Goulds Pumps is ISO 9001 Registered.

