

**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](http://www.hchealth.org)  
 Facebook: [www.facebook.com/hocohealth](http://www.facebook.com/hocohealth)

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

RECEIPT DATE: 12/1/20 **ONSITE SEWAGE DISPOSAL SYSTEM** P 572883

APPROVAL DATE: 8/30/20 **PERMIT: CONSTRUCTION** A \_\_\_\_\_

PROPERTY ADDRESS: 5102 Clay Circle Lane

SUBDIVISION: Marilley Property LOT: 3 TAX ID: 03-601592

CONTRACTOR: South Carroll Backhoe EMAIL: scbackhoe@comcast.net

CONTRACTOR ADDRESS: 4410 Salem Bottom Road, Westminster, MD 21157 PHONE: 410-596-3618

CONTRACTOR CERTIFIED FOR BAT INSTALLATION:  MDE  MANUFACTURER: Hoat

PROPERTY OWNER: Sudhir Rao and Priya Venkataraman-Rao EMAIL: \_\_\_\_\_

OWNER ADDRESS: 5102 Clay Circle Lane, Clarksville, MD 21029 PHONE: \_\_\_\_\_

BAT UNIT MODEL: HOOT H 1000 A PUMP SIZE: WE 15 H PUMP TANK CAPACITY: 2000 GAL

OPERATION & MAINTENANCE AGREEMENT DATE SIGNED: 1/9/15 DATE RECORDED: 1/9/15

DISTRIBUTION SYSTEM:  GRAVITY  PRESSURE DOSED BEDROOMS: 9 APPLICATION RATE: 0.8

TRENCHES:	LINEAR FEET REQUIRED: <u>339</u>	INLET DEPTH: <u>3</u>
	TRENCH WIDTH: <u>3' 2"</u>	MAXIMUM BOTTOM DEPTH: <u>6.5</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>3</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND BAT UNIT LOCATION MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:	See BAT plan for lateral details	

ISSUED BY: Hank Oswald ISSUE DATE: 12/1/20 EXPIRATION DATE: 12/1/21

- 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 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 20003698
- 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.**

NOT TO SCALE

SEE ATTACHED  
AS BUILT

Trash Tank  
level ✓  
Backriver  
1000 gal  
top  
2' inlet + outlet baffle  
2 manholes  
no 6" port  
no slot  
8/17/21

**TRENCH/DRAINFIELD DATA**

WIDTH 2 INLET 3 BOTTOM 6.5  
NUMBER OF TRENCHES 6  
TOTAL LENGTH 342'  
ABSORPTION AREA 6.84 sq ft + sidewall  
DISTRIBUTION BOX LEVEL 6.1  
DISTRIBUTION BOX BAFFLE N/A  
DISTRIBUTION BOX PORT N/A

**BAT SEPTIC TANK DATA**

**SEPTIC TANK I LEVEL**  
MANUFACTURER Host  
CAPACITY 1000 GAL  
SEAM LOC top  
TANK LID DEPTH 3'  
BAFFLES N/A  
BAFFLE FILTER N/A  
MANHOLE LOC outlet  
6" PORT LOC -  
WATERTIGHT TEST ✓  
SLOTTED -  
DATE ON LID 12-6-17

**PUMP/SEPTIC TANK LEVEL**

MANUFACTURER Backriver  
CAPACITY 2000 GAL  
SEAM LOC top  
TANK LID DEPTH 3' deep, 3.5' outlet  
BAFFLES N/A  
BAFFLE FILTER N/A  
MANHOLE LOC outlet  
6" PORT LOC -  
WATERTIGHT TEST -  
SLOTTED No  
DATE ON LID 1-20-21

**ROAD NAME**

**PRE-CONSTRUCTION:**

2/3/2021 Unexpectedly high knoll in SDA - stake in Trench C is 15" off contour. Tanks staked in correct location. 3/26/21 See attached file inquiry sheet (S)

06/28/2021 CONFIRMED CONTOUR AND LATERAL SPEC. (S)

**INSTALLATION:**

7/14/21 Set trash tank, HOOT and pump tank. Trash tank specs did not match - had to re-set tank higher on slope to make fall. SL also constructed. (S) 7/16/21 Laterals 1A1 and 1A2 complete. Perforations are accidentally spaced 5'7" apart instead of 5'8" apart but this was approved as not making a large difference in the system. 10 perforations in each lateral, as planned. (S) 7/19/21 Trenches 1B1+1B2 complete, 8 perforations according to plan. (S) 7/23/21 Force main installed from tanks to laterals. Floats put in pump tank. Reinsp for startup. (S) 8/20/21 HOOT functioning. Reinsp P&H. (S) 8/30/21 Pump and alarm observed to function alarm located by tanks. Pump and alarm on two separate circuits. 2' head observed in A laterals, 3.6' in B laterals, 4.6' in C laterals. Lack of head in C lateral may be due to low water volume. (S)

FINAL INSPECTOR

Ashia Thomas

DATE OF APPROVAL

8/30/21



LIBER 15962 FOLIO 009

000093

**Bureau of Environmental Health**

8930 Stanford Boulevard, Columbia, MD 21045  
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Facebook: www.facebook.com/hocohealth  
Twitter: HowardCoHealthDep

**isman, M.D., Health Officer**

**Key Property, Lot 3  
MAINTENANCE AGREEMENT  
SEWAGE DISPOSAL SYSTEM  
ADVANCED PRE-TREATMENT SYSTEM**

of Howard County, Maryland, among  
-RAQ hereinafter collectively referred to as  
County hereinafter referred to as the "County".

owner or contract owner of a parcel of land located at  
Circle Lane, in the 5th Election District of Howard  
County, Maryland, and the deed to same is recorded or shall be recorded among the Land  
Records of Howard County, Maryland in Liber 15816 Folio 296.

WHEREAS, The Lot is suitable for the installation of a conventional on-site sewage disposal  
system with an advanced pre-treatment system, utilizing best available technology to perform  
nitrogen reduction, in accordance with the Code of Maryland Regulations 26.04.02.07, effective  
January 1, 2013. The pre-treatment device being installed is Hoot.

NOW, THEREFORE, the parties hereto agree as follows:

- A. Owner hereby grants to the County the right to enter upon the Lot at any reasonable time for access to the system to make periodic inspections and the Owner agrees to provide any information and data in Owner's possession reasonably requested and needed by the County to develop accurate and thorough test results.
- B. Owner acknowledges and agrees that neither the County nor any of its agents or employees, either officially or individually, underwrites the operation of any system approved by them.
- C. The Owner will devote reasonable care and effort to the operation and maintenance of the system in perpetuity or until a public sewer connection is made so that a system malfunction is not the result of poor maintenance, faulty operation, or neglect.
- D. The Owner agrees to enter into a contract reasonably acceptable to the Owner and the County with a private entity to operate and maintain on a regularly scheduled basis an approved advanced pre-treatment system. The owner shall supply a copy of the contract to the County when it is renewed or altered.
- E. This agreement shall run with the land and upon Owner's taking title to the Lot shall bind the Owner, their heirs, successors, and assigns to the provisions of the agreement as long as the property is in existence and after installation of the system. Owner further agrees that they shall inform in writing any subsequent purchaser or lessee of the Lot that the system shall require

20  
40  
KD

3 Circuit Court  
The  
92  
Co  
LR - Agreement  
Grantor/Grantee  
Reference/Control #: 52  
LR - Agreement Surcharge 1x 40.00 40.00  
SubTotal: 60.00  
Total: 60.00  
REV-Check-004  
Number: 301  
01/09/2015 13:10  
# 13082 / 1342 / 109  
\*\*\*\*\* DUPLICATE #001 \*\*\*\*\*  
01/09/2015 13:11  
Thank you for visiting us today  
CC13-KD  
CC13-KD

maintenance or other attention. Upon taking title to the Lot, the Owner agrees to cause this agreement to be recorded in the Land Records of Howard County and assure that it becomes part of the Deed for the subject property in order that prospective buyers may be aware of the special conditions affecting this property.

F. This agreement shall not be construed to limit any authority of the County to protect the public health, safety or comfort or to issue any other orders to take any other action which is now or may hereafter be within its authority.

G. This agreement may be voided at any time at the discretion of the County.

H. This agreement contains the entire agreement and understanding between the County and the Owner. There are no additional terms other than as contained in this agreement. This agreement may not be modified, except in writing signed by each of the parties or by their authorized representatives.

I. The laws of the State of Maryland govern the provisions of all transactions pursuant to this agreement.

J. Owner acknowledges and agrees that interior renovations to increase the number of bedrooms or an increase in living space shall not be permitted without approval from the County.

IN WITNESS WHEREOF, the parties have signed and sealed this agreement on the date indicated above.

Bert Niyon 1/9/2015  
✓ Howard County Health Department

[Signature] 12/8/14  
Owner #1 Signature Date

✓ SUDHIR RAO  
Owner #1 Print Name

\_\_\_\_\_  
Buyer #1 Signature Date

\_\_\_\_\_  
Buyer #1 Print Name

[Signature] 12/8/14  
Owner#2 Signature Date

✓ PRIYA VENKATARAMAN-RAO  
Owner #2 Print Name

\_\_\_\_\_  
Buyer #2 Signature Date

\_\_\_\_\_  
Buyer #2 Print Name

LIBER 15962 FOLIO 011

LR - Agreement  
Recording Fee 20.00  
Grantor/Grantee Name:  
Rao  
Reference/Control #:  
03  
LR - Agreement  
Surcharge 40.00  
=====  
SubTotal: 60.00  
=====  
Total: 60.00  
01/09/2015 01:10  
CC13-KD  
#3718002 CC0503 -  
Howard Co  
Columbia/CC05.03.09 -  
Register 09

MARYLAND DEPARTMENT OF THE ENVIRONMENT  
AND  
HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL  
HEALTH

GRANT AGREEMENT TO ADMINISTER AND ENFORCE ONSITE SEWAGE DISPOSAL  
SYSTEM REGULATIONS

To help achieve Maryland's nutrient loading goals for the Chesapeake and Coastal Bays, as well as protect the groundwater of the State, the Maryland Department of the Environment (the "Department") is providing financial assistance in the form of grants to implement regulations adopted by the Department for on-site sewage disposal systems that utilize the best available technology (BAT) for the removal of nitrogen.

In accordance with the Bay Restoration Fund ("BRF") Act codified at 9-1605.2 of the Environment Article of the Annotated Code of Maryland, the Department working by and through the Maryland Water Quality Financing Administration, a unit of the Department (the "Administration") can provide a grant or grants from certain Bay Restoration Fees to a local public entity to implement regulations adopted by the Department.

The Department has adopted regulations codified at Code of Maryland Regulation (COMAR 26.04.02.07) for installation of BAT for certain on-site sewage disposal systems, and has established requirements for operation and maintenance of BAT systems for the life of the systems. The regulations require that: all on-site sewage disposal systems installed in the Chesapeake or Atlantic Coastal Bays watersheds or in any watershed of a nitrogen impaired body of water to serve new construction must include BAT; any replacement on-site sewage disposal system installed to serve a property in either the Chesapeake Bay critical area or the Atlantic Coastal Bays critical area must include BAT; all owners maintain BAT systems for the life of the system by utilizing certain management measures.

To further the purpose of the Act and to implement the regulations, the Administration shall provide funding to Howard County Health Department, Bureau of Environmental Health (the "County") for the task levels identified below and in the amount stated below.\*\*Three levels of recurring tasks for implementation of BAT regulations are identified below. A County may choose to undertake responsibility for tasks identified in levels one, two or three or a combination of levels, and receive an annual grant for their services.

Level 1 Task List: BAT requirements of new installations

- Technical review to verify appropriate location and design of both residential and non-residential systems
- Administrative review (verification of contractor licensing)
- Legal review and verification of recordation of legal agreements in land records
- Education and training of staff
- Education of homeowner and/or builder about BAT
- Inspection of BAT Installation
- Maintain a record documenting inspections of BAT installations

- Electrical inspection coordination and verification with appropriate authority
- Monthly Report of all BAT installations to the Department.

Level 2 Task List: BAT Operations and Maintenance Monitoring

- Monitoring for the required annual BAT inspection, including review of service provider inspection reports and ensuring contractor is qualified
- Verification of service contracts with qualified service contractor
- Non-compliance notification to property owner
- On-site inspections for non-compliance systems
- On-site inspections due to complaints/ servicing issues
- Log all service visits of county representative for Department review.
- Annotate and report all discrepancies dealing with the BAT to the Department on a monthly basis.

Level 3 Task List: BAT Compliance Enforcement

- Issuance of formal notice of violation (if compliance not achieved in 60/90 days)
- Preparation for legal enforcement referral package, etc.
- Court appearances and/or appearances at Administrative Hearings
- Handling appeals

THEREFORE, in consideration of the foregoing and the mutual promises and covenants contained herein, the Maryland Department of the Environment, the Maryland Water Quality Financing Administration and Howard County hereby AGREE this 25<sup>th</sup> day of September 2014 that:

OBLIGATIONS OF HOWARD COUNTY

- 1.1 The Howard County's Health Department shall perform tasks associated with Level 1, to be completed during the period July 1, 2014 through June 30, 2015 (FY 2015).
- 1.2 The Howard County's Health Department shall provide an annual report to the Department by August 30, 2015, summarizing the activities performed during FY 2015 with numerical data.
- 1.3 The County agrees to use the amount of \$25,000.00 of grant funds received from the Administration solely to perform the tasks identified in Section 1.1 above. The County may request the full amount of the grant from the Administration in January 2015.
- 1.4 The County acknowledges that it may receive funds from the Administration for the agreed upon tasks in Section 1.1, in advance of completion of the tasks, and hereby covenants to return all or a portion of the funds received from the Administration if all or a portion of the agreed upon tasks are not completed in FY 2015.
- 1.5 The County acknowledges that any violation of the conditions of this Grant Agreement shall result in a cancellation of the grant, and a repayment in full of the grant funds received by the County shall be due and payable within ninety (90) days of demand.

OBLIGATIONS OF THE DEPARTMENT

2.1 Subject to State budget appropriation and approvals, the Administration shall pay a lump sum grant amount of \$25,000.00 to the County for tasks identified in Section 1.1 to be performed in FY 2015.

2.2 The Department shall monitor the activities of the County and provide technical guidance as needed on a case by case basis.

2.3 The Department will analyze and monitor the reporting from the County.

GENERAL CONDITIONS

3.1 The State grant assistance provided for under this agreement is subject to legislative budget appropriations, the continued existence of the Bay Restoration Fee and availability of State funds and is contingent upon approval by the Maryland Board of Public Works.

Attest:

**MARYLAND DEPARTMENT OF THE ENVIRONMENT**

  
Witness

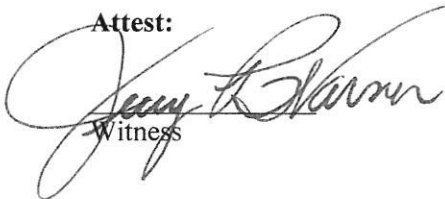


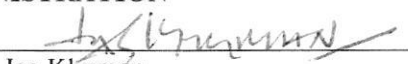
Terri Wilson, Director  
Office of Budget & Infrastructure Financing

1/9/15  
Date

Attest:

**MARYLAND WATER QUALITY FINANCING ADMINISTRATION**

  
Witness

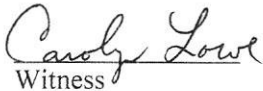


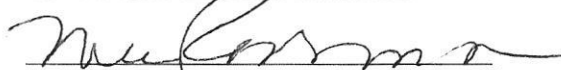
Jag Khuman  
Director

1/12/15  
Date

Attest:

**HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH**

  
Witness



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

9/25/14  
Date



**MAYER BROS., INC.**  
Precast Concrete Products  
100 Sharp Rd. Denton, MD 21629  
PH: 410-796-1434  
[info@mayerprecast.com](mailto:info@mayerprecast.com) - [www.mayerprecast.com](http://www.mayerprecast.com)

## Letter of Satisfaction Hoot System Installation

Address of Property: 5102 Clay Circle Lane  
Clarksville, MD 21029

Date of Final Inspection: 8/20/21

Installer: South Carroll Backhoe Service

HOOT Technician/Inspector: Mike Sample

I hereby certify that the Hoot System installed at the property listed above has been installed according to proper Hoot installation practices. I have also verified the startup of the system and that it is in proper working order.

Sincerely,

N. Michael Dargatzis

Name of Inspector  
Mayer Bros., Inc., O.S.I.S., LLC

O.S.I.S. - Onsite Septic Inspection & Service  
100 Sharp Rd., Denton, MD 21629  
410-796-1434 - [www.osisllc.com](http://www.osisllc.com)



## Oswald, Hank

---

**From:** Oswald, Hank  
**Sent:** Monday, May 17, 2021 9:59 AM  
**To:** Tony Fertitta (tonyf@fcc-eng.com)  
**Cc:** Wolf, Kevin  
**Subject:** Revised OSDS Plan\_5102 Clay Circle Lane

Hi Tony:

The following comments pertain to the review of the OSDS plan for 5102 Clay Circle Lane:

- 1.) Trench separation between 1B2 & 1C2 is than 10 feet.
- 2.) 249.3 gallons is greater than 1/6 design flow. (The plan shows 212.8 gallons.)
- 3.) Make sure the data on the 2<sup>nd</sup> page is correct. For example, 1C1 lateral length per chart is 53.68 ft., but 2<sup>nd</sup> page of plan shows 53.67 ft.

Let me know if you have any questions.

Thanks,

Hank

Hank Oswald, L.E.H.S.  
Howard County Health Department  
Bureau of Environmental Health  
Well & Septic Program  
8930 Stanford Boulevard  
Columbia, MD 21045  
(410) 313 - 1786  
hoswald@howardcountymd.gov

What was sent last date soil removal?

~~What was last date of topo field location?~~

Show Topo boundary

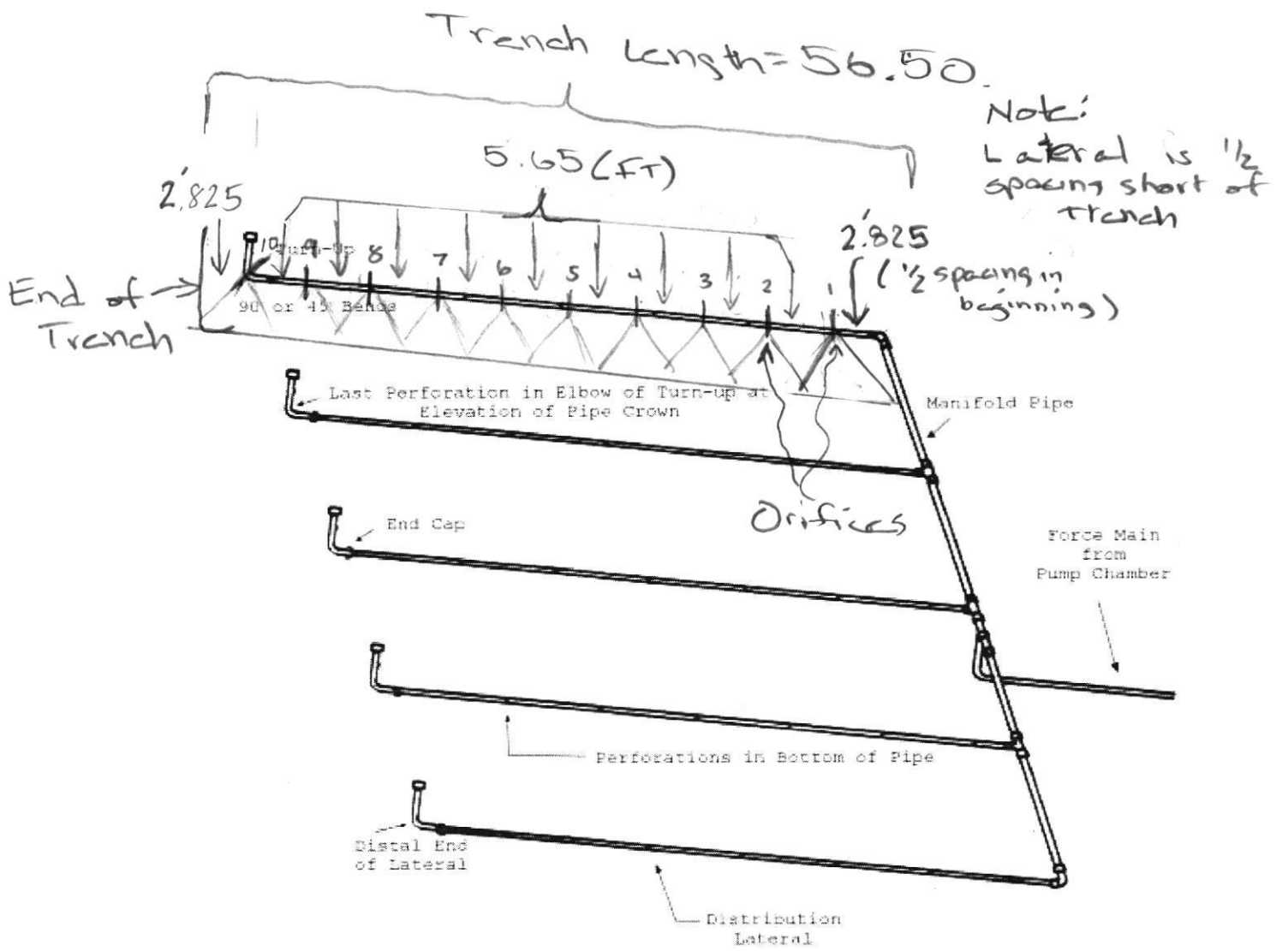
vs. field run topo

adjust RDA if necessary on revised  
PF. to 10' of Prop. line.

142 is 1' off contour

132





Modified from EPA Design Manual

FIGURE 4.1 – END MANIFOLD DISTRIBUTION NETWORK



## Oswald, Hank

---

**From:** Oswald, Hank  
**Sent:** Tuesday, February 24, 2015 3:34 PM  
**To:** 'Stephanie Tuite'  
**Subject:** RE: Marilley Property, Lot 3\_Bat Plan Review Comments

Stephanie:

After hanging up with you, I thought more about your question and confirmed my answer with Jeff. In theory when the pump fails in the last tank, the preceding tanks are already filled-up so there really isn't any usable storage except for maybe just above the inverts in those tanks. Jeff did indicate that you may utilize some of space but you still must show the required amount of emergency storage for this design.

With regard to the note, we need you to state on the plan that the manufacturer has certified that this unit is adequate for this particular design at 9 bedrooms.

I hope this clears things up.

Please let me know if you have any other questions or concerns.

Hank

---

**From:** Stephanie Tuite [<mailto:Stephanie@fcc-eng.com>]  
**Sent:** Tuesday, February 24, 2015 3:13 PM  
**To:** Oswald, Hank  
**Subject:** RE: Marilley Property, Lot 3\_Bat Plan Review Comments

Hank,

Forgot to ask about the certification note. I thought since this system was designed for the site, it didn't need the certification statement. My understanding. If you need really need one, what exactly are you looking for? Mayer Brothers provided the tank designs.

Steph

Stephanie Tuite, RLA, PE, LEED AP BD&C  
**Fisher, Collins & Carter, Inc.**

---

**From:** Oswald, Hank [<mailto:hoswald@howardcountymd.gov>]  
**Sent:** Tuesday, February 24, 2015 12:04 PM  
**To:** Stephanie Tuite  
**Subject:** Marilley Property, Lot 3\_Bat Plan Review Comments

Hi Steph:

The following review comments apply to the BAT Plan for Marilley Property, Lot 3. Please make the necessary corrections and resubmit revised plan to Health Department.

- 1.) The rain garden must be relocated 100 feet from the well box or labeled lined rain garden.

- 2.) The replacement system requires 254 LF of trench (not 225 LF). Plan will need to show how this will fit in easement.
- 3.) Add a note that states that all wells shown on plan have been field located. In addition, all wells shown on plan must be labeled with their respective well tag #'s.
- 4.) The profile on the site plan shows a 8.25% grade in last 4 feet of line going into tank. Make this line more shallow.
- 5.) Need a certification note indicating unit is appropriate for this design at 9 bedrooms.
- 6.) This system requires a 1,350 gallons of emergency storage above high water alarm (not 611 gallons).
- 7.) Correct lateral length. It is not accurate based on trench length and perforation spacing.
- 8.) Under Dynamic Head, correct statement. It should read, vertical from discharge to upper trench (not manifold).
- 9.) Show lateral pipe diameter on Low Pressure Dosing Chart.
- 10.) Force Main (FM) diameter of 2 inches is too small. Change to a 3 inch diameter F.M.
- 11.) Runtime and flow shown doesn't match with actual flow and runtime required.
- 12.) Label pipe diameter on center feed layout and manifold distribution charts.

Should you have any questions, please contact me via email and I will get back to you.

Best Regards,

Hank

Hank Oswald, L.E.H.S.  
Howard County Health Department  
Bureau of Environmental Health  
Well & Septic Program  
410.313.1786

## Oswald, Hank

---

**From:** Tony Fertitta <tonyf@fcc-eng.com>  
**Sent:** Thursday, June 10, 2021 11:42 AM  
**To:** Oswald, Hank  
**Subject:** RE: BAT Plan Question\_5102 Clay Circle

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

BY FCC ON APRIL 20<sup>TH</sup> 2021

**From:** Oswald, Hank <hoswald@howardcountymd.gov>  
**Sent:** Thursday, June 10, 2021 10:40 AM  
**To:** Tony Fertitta <tonyf@fcc-eng.com>  
**Subject:** BAT Plan Question\_5102 Clay Circle

Hi Tony:

Quick question regarding 5102 Clay Circle. Was the new topo within and around the SDA field verified? If so, when and by who?

Thank,

Hank

Hank Oswald, L.E.H.S.  
Howard County Health Department  
Bureau of Environmental Health  
Well & Septic Program  
8930 Stanford Boulevard  
Columbia, MD 21045  
(410) 313 - 1786  
[hoswald@howardcountymd.gov](mailto:hoswald@howardcountymd.gov)

## Oswald, Hank

---

**From:** Oswald, Hank  
**Sent:** Thursday, June 10, 2021 1:28 PM  
**To:** Tony Fertitta  
**Subject:** RE: BAT Plan Question\_5102 Clay Circle

Hi Tony:

Thank you for the information. We will need a note added to the septic plan regarding this. Also, please show a topo boundary, so we can see which part was field verified. In addition, trench 1C2 and 1B2 aren't on contour (1C2 is a foot off contour.) You may need to adjust the SDA to fit the trenches within the area and on contour, but a revised perc cert will be required for any adjustments. It looks like you can adjust the area up towards the rear property line if need be. Lastly, can you check with the builder to find out the last date of soil removal from the area?

Please let me know if you have any questions.

Thanks,

Hank

**From:** Tony Fertitta <tonyf@fcc-eng.com>  
**Sent:** Thursday, June 10, 2021 11:42 AM  
**To:** Oswald, Hank <hoswald@howardcountymd.gov>  
**Subject:** RE: BAT Plan Question\_5102 Clay Circle

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

BY FCC ON APRIL 20<sup>TH</sup> 2021

**From:** Oswald, Hank <hoswald@howardcountymd.gov>  
**Sent:** Thursday, June 10, 2021 10:40 AM  
**To:** Tony Fertitta <tonyf@fcc-eng.com>  
**Subject:** BAT Plan Question\_5102 Clay Circle

Hi Tony:

Quick question regarding 5102 Clay Circle. Was the new topo within and around the SDA field verified? If so, when and by who?

Thank,

Hank

Hank Oswald, L.E.H.S.  
Howard County Health Department  
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