



**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: 10/27/20 **ONSITE SEWAGE DISPOSAL SYSTEM** P 572834

APPROVAL DATE: 3/23/21 **PERMIT: CONSTRUCTION** A _____

PROPERTY ADDRESS: 14529 Ambreen Way

SUBDIVISION: Percival Property LOT: 2 TAX ID: _____

CONTRACTOR: J & A Construction EMAIL: _____

CONTRACTOR ADDRESS: P.O. Box 870, Mt Airy, MD 21771 PHONE: 301-674-6730

PROPERTY OWNER: Burkhard Homes LLC. EMAIL: _____

OWNER ADDRESS: 1511 Ritchie Highway Suite 305, Arnold, MD 21012 PHONE: _____

SEPTIC TANK SIZE (GALLONS): ~~3000~~ 2000 TANK MANUFACTURER: Babylon Vault or Eq.

PUMP MODEL: N/A PUMP SIZE N/A PUMP TANK CAPACITY: 1500

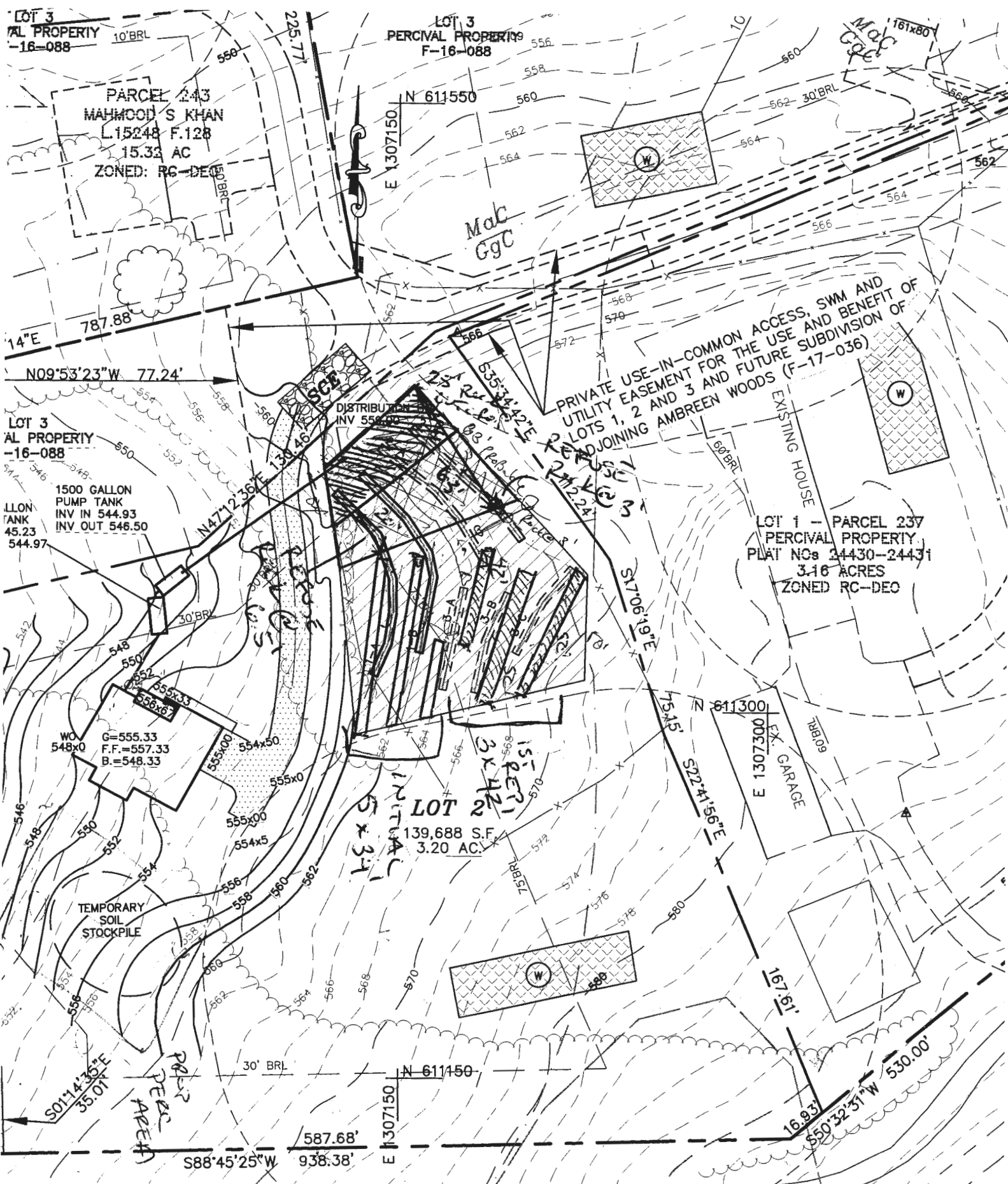
DISTRIBUTION SYSTEM: GRAVITY PRESSURE DOSED BEDROOMS: 4 APPLICATION RATE: 0.6

TRENCHES:	LINEAR FEET REQUIRED: <u>333</u> → <u>167</u>	INLET DEPTH: <u>3.0</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>7.5</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>4.5</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>5 trenches x 34'</u> <u>MID AND LOWER TRENCHES CENTER FEED</u>	

ISSUED BY: Dana Bernard ISSUE DATE: 11-23-20 EXPIRATION DATE: 10-27-20

- 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 DOWNGRAIDENT 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 N/A
- 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.**



ON-SITE SEWAGE DISPOSAL SYSTEM PLAN

SCALE: 1"=50'

14529 AMBREEN
PERCIVAL LOT 2

J CABANUE 01/13/2021



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Twitter: HowardCoHealthDep

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

MEMORANDUM

TO: Jacob Hickmat
Greenberry, Inc

CC: Mildenberg, Boender & Associates

FROM: Jeff Williams
Program Supervisor, Well & Septic Program

RE: F-16-088, Percival Property

DATE: October 4, 2017

I have reviewed the final plat for Percival Property, F-16-088 and have some questions that need resolutions before we can provide a Health Officer signature on the plat.

A new well, HO-15-0366, was drilled for the existing house located on proposed lot 1 on January 17, 2017. That well is located within 100 feet of the existing sewage disposal system for the house. The existing well, HO-73-3223, is located on proposed lot 3. A sewage system design plan was approved on 5/23/17 to install a new sewage disposal system in the approved sewage disposal area to serve the existing house. My questions are:

1. Is well 73-3223 the well currently serving the existing house?
2. What is the timetable to install the replacement sewage disposal system?
3. Is the new well 15-0366 connected to the existing house at this time?

We do not want the new well to be put into service until the existing septic system less than 100 feet away is properly pumped and abandoned. We are concerned about signing the record plat if the existing well is serving the house as it will be located on a different lot after plat recordation. Please respond with answers to the above questions and we can decide the best approach to deal with these issues. You may reach me at jewilliams@howardcountymd.gov or 410-313-1771.

SITE INSPECTION SHEET

OWNER: _____ PHONE #: _____

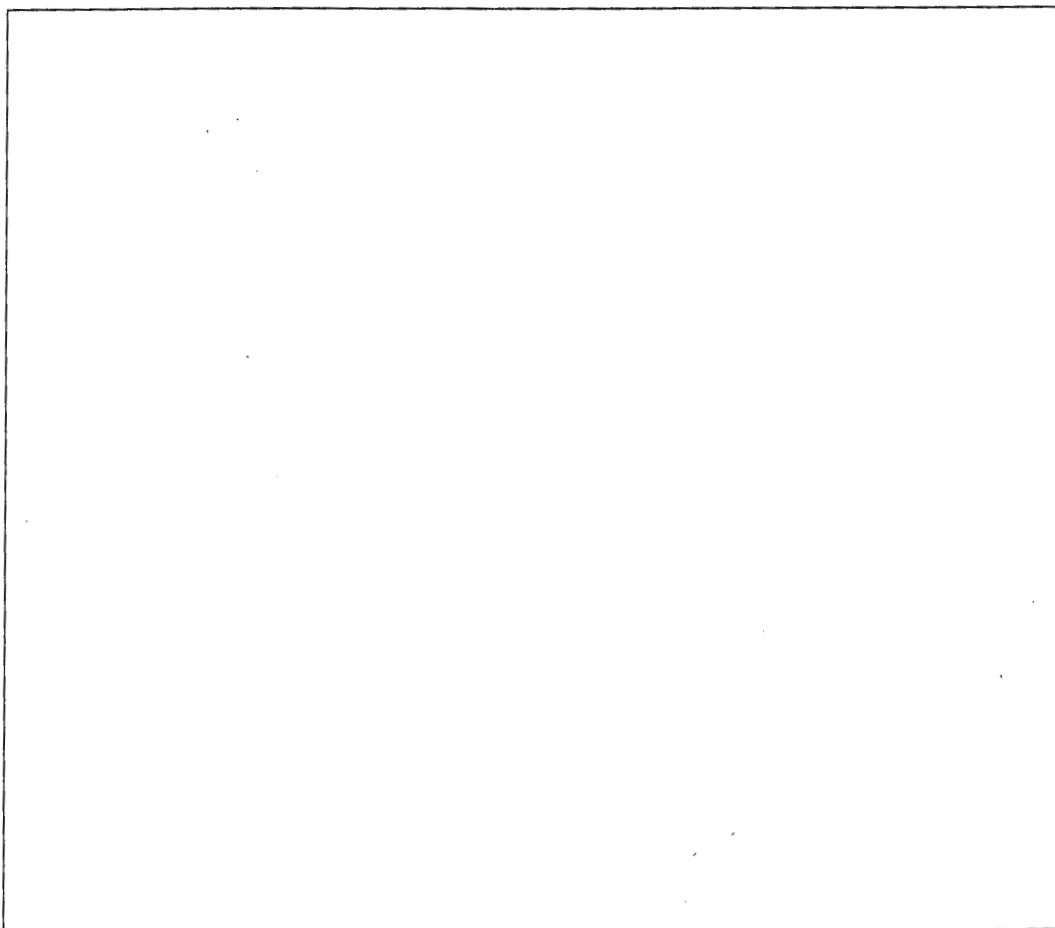
ADDRESS: _____ CONTRACTOR: _____

_____ WELL TAG #: _____

SUBDIVISION: _____ LOT: _____ COUNTY #: _____

PROPOSAL: _____

LOCATION DIAGRAM

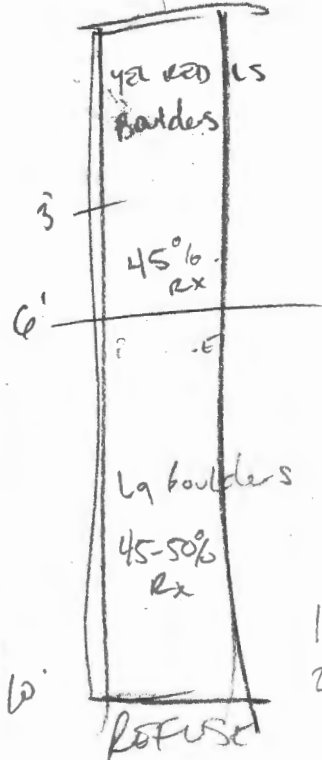


COMMENTS: _____

DATE: _____ INSPECTOR: _____

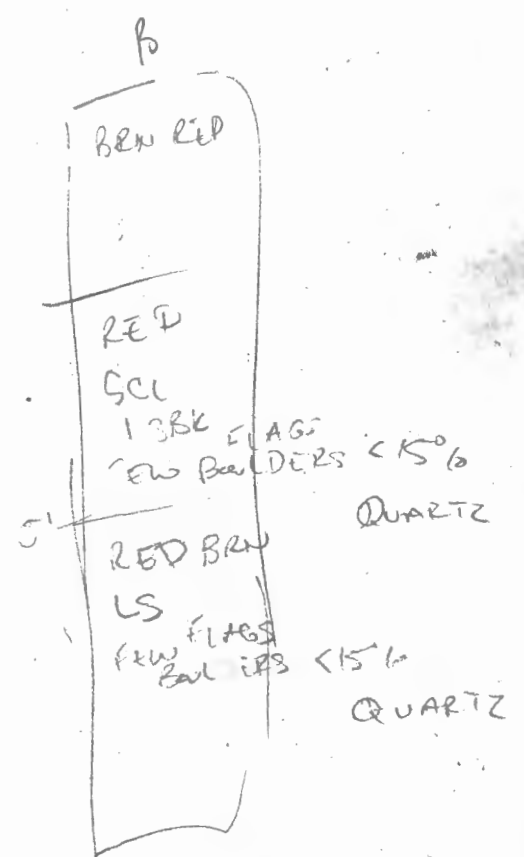
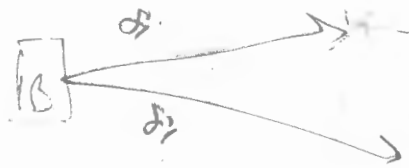
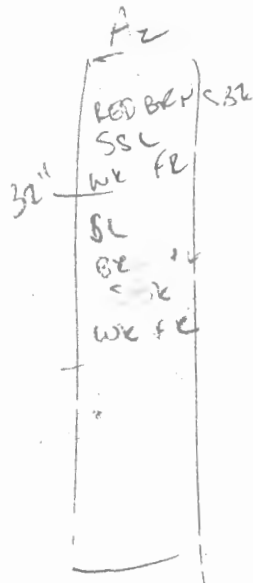
CLEARED AREA

A Marginal



* OBS HOLE WAS ROCKY

PERC HOLE WAS NOT



May 18, 2020

Mr. Robert Freemon,
Environmental Sanitarian Supervisor
Howard County Health Department
8930 Stanford Blvd
Columbia, Maryland 21045

**Re: Percival Property, Lot 2, 14529 Ambreen Way
Onsite Sewage Disposal System
Revised Submission**

Dear Mr. Freemon:

I am hereby forwarding this revised submission for your review and approval. This submission includes the following:

1. Revised Onsite Sewage Disposal System plan.
2. Point by point response to comments.

The following is point by point response to the comments provided to us by Dana Bernard, May 14, 2020:

Comment and Response:

1. *The pump tank is too deep and needs to be moved to get less than 3 feet of cover.*

Contours were adjusted to reduce the cover over the pump tank.

2. *The pump tank is too small and needs 600 gallons of emergency storage above the high-water alarm.*

The system design was revised to include a 1,500-gallon pump tank. The storage above the high-water alarm is now 675 gallons.

3. *Please verify if this is pump to gravity trenches.*

The system is designed to pump flow to a distribution bow which feeds the trenches via gravity. A note to this effect has been added to the General Notes.

4. *Need to show point on pump curve where the design head and flow rate meet.*

The design head and flow rate intersection with the pump curve is shown on the plan.



June 9, 2020

Dana Bernard, R.E.H.S./R.S., L.E.H.S.
Environmental Health Specialist II
Well and Septic Program
Bureau of Environmental Health
Howard County Health Department
8930 Stanford Blvd
Columbia, Maryland 21045

**Re: Percival Property, Lot 2, 14529 Ambreen Way
Onsite Sewage Disposal System
Revised Submission**

Dear Ms. Bernard:

I am hereby forwarding this revised submission for your review and approval. This submission includes the following:

1. Revised Onsite Sewage Disposal System plan.
2. Point by point response to comments.

The following is point by point response to the comments you provided to us, May 14, 2020:

Comment and Response:

1. *The pump tank is too deep and needs to be moved to get less than 3 feet of cover.*

Contours were adjusted to reduce the cover over the pump tank. Notes 6, 7 were revised.

2. *The pump tank is too small and needs 600 gallons of emergency storage above the high-water alarm.*

The system design was revised to include a 1,500-gallon pump tank. The storage above the high-water alarm is now 675 gallons, which is greater than the daily 600 gallons.

3. *Please verify if this is pump to gravity trenches.*

The system is designed to pump flow to a distribution box which feeds the trenches via gravity. A note to this effect has been added to the General Notes.

4. *Need to show point on pump curve where the design head and flow rate meet.*

The design head and flow rate intersection with the pump curve is shown on the plan.

June 9, 2020

Dana Bernard

Page 2 of 2

Thank you for your consideration of this submission. Should you have any questions, do not hesitate to contact this office.

Very truly yours,
Mildenberg, Boender and Assoc., Inc.



Mike Kretsch P.E.
Senior Engineer

 **MILDENBERG,
BOENDER & ASSOC., INC.**

- Pump tank too deep -
they need to move it to get
less than 3' cover

- pump tank way too small -
needs 600 g emergency storage
above high water alarm

- This is pump to gravity
frenches - correct? in that
case, the end feed is OK

- need to show point on pump
curve where their design head
and flow rate meet