

**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: 8/2/19/18 **ON SITE SEWAGE DISPOSAL SYSTEM** P 565579

APPROVAL DATE: 8/2/2019 **PERMIT: CONSTRUCTION** A \_\_\_\_\_

PROPERTY ADDRESS: 3168 Jennings Chapel Road

SUBDIVISION: Mill Green LOT: 3 TAX ID: \_\_\_\_\_

CONTRACTOR: Fogle's Septic Clean Inc. EMAIL: kim@foglesinc.com

CONTRACTOR ADDRESS: 580 Obrecht Road, Sykesville, MD 21784 PHONE: 410-795-5670

PROPERTY OWNER: Gerald Robertson EMAIL: \_\_\_\_\_

OWNER ADDRESS: P.O. Box 96 Finksburg, MD 21048 PHONE: \_\_\_\_\_

SEPTIC TANK SIZE (GALLONS): 1500 TANK MANUFACTURER: Mayer Bros or equivalent

PUMP MODEL: N/A PUMP SIZE: N/A PUMP TANK CAPACITY: 2000

DISTRIBUTION SYSTEM:  GRAVITY  PRESSURE DOSED BEDROOMS: 4 APPLICATION RATE: 0.8

TRENCHES:	LINEAR FEET REQUIRED: <u>125</u>	INLET DEPTH: <u>2.5</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:	Install 2 63' trenches	

ISSUED BY: Hank Oswald ISSUE DATE: 8/2/19 EXPIRATION DATE: 8/2/20

- 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 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 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

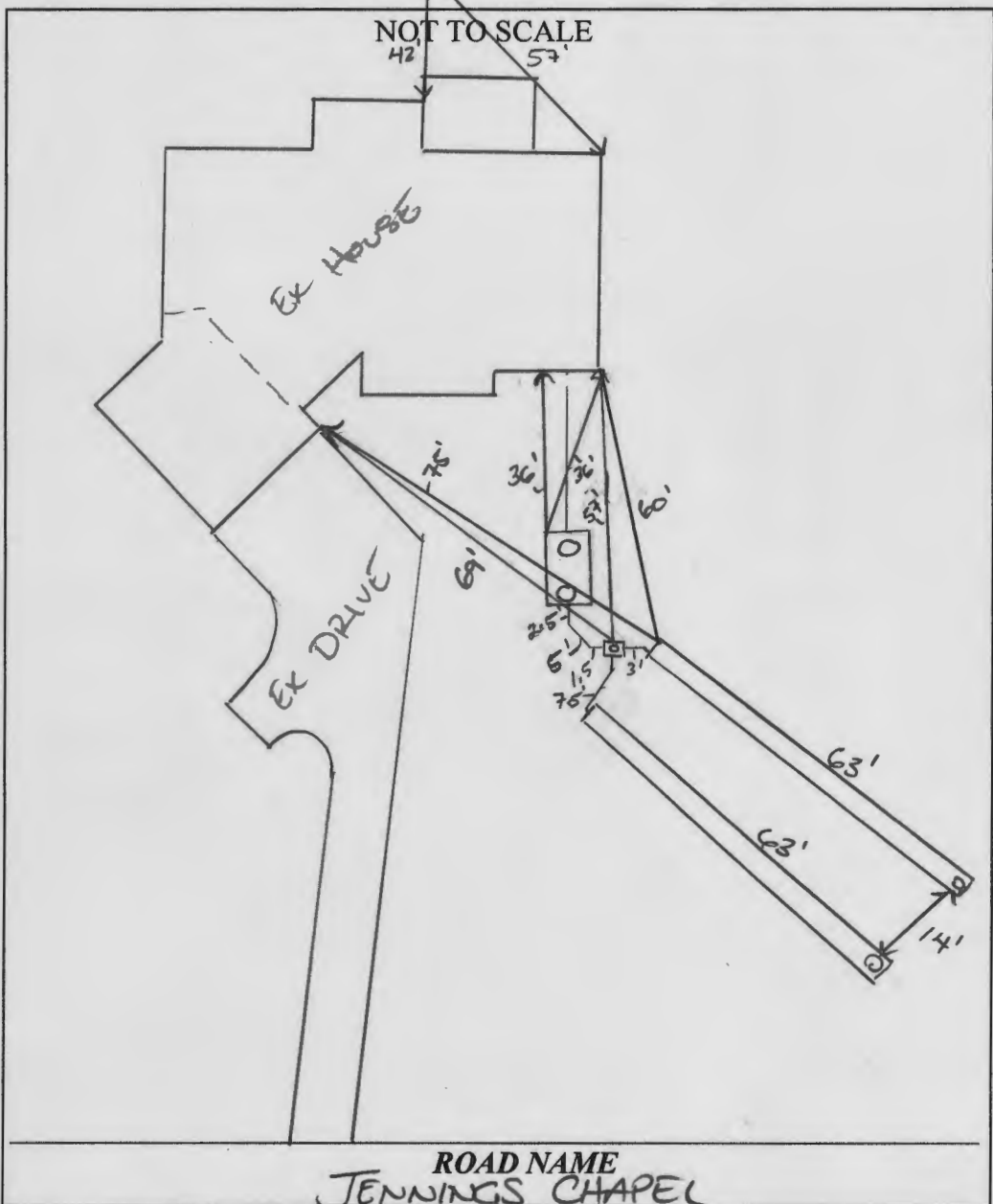
**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.**

**PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.**

**CALL 410-313-1771 TO SCHEDULE INSPECTIONS.**

Ho-17-0139

NOT TO SCALE  
42' 57'



ROAD NAME  
JENNINGS CHAPEL

TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3	3.5	7
NUMBER OF TRENCHES		2
TOTAL LENGTH		126 F
ABSORPTION AREA		378 SF + SIDE WALL
DISTRIBUTION BOX LEVEL		SPEED
DISTRIBUTION BOX BAFFLE		YES
DISTRIBUTION BOX PORT		YES

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	YES
MANUFACTURER	BABYLON
CAPACITY	1500 GAL
SEAM LOC	TOP
TANK LID DEPTH	2.5'
BAFFLES	YES
BAFFLE FILTER	-
MANHOLE LOC	FRONT/BACK
6" PORT LOC	-
WATERTIGHT TEST	-
SLOTTED	YES
DATE ON LID	07/23/2019
PUMP/SEPTIC TANK LEVEL	
MANUFACTURER	
CAPACITY	GAL
SEAM LOC	
TANK LID DEPTH	
BAFFLES	
BAFFLE FILTER	
MANHOLE LOC	
6" PORT LOC	
WATERTIGHT TEST	
SLOTTED	
DATE ON LID	

PRE-CONSTRUCTION:

08/28/2019 TANK LOCATION SET IN FIELD W/ SET BACKS TO HOUSE AND RAIN DW AND WELL. SDA STAKED. TRENCHES Laid out 2x68', 13' CENTER TO CENTER. OK TO START

INSTALLATION:

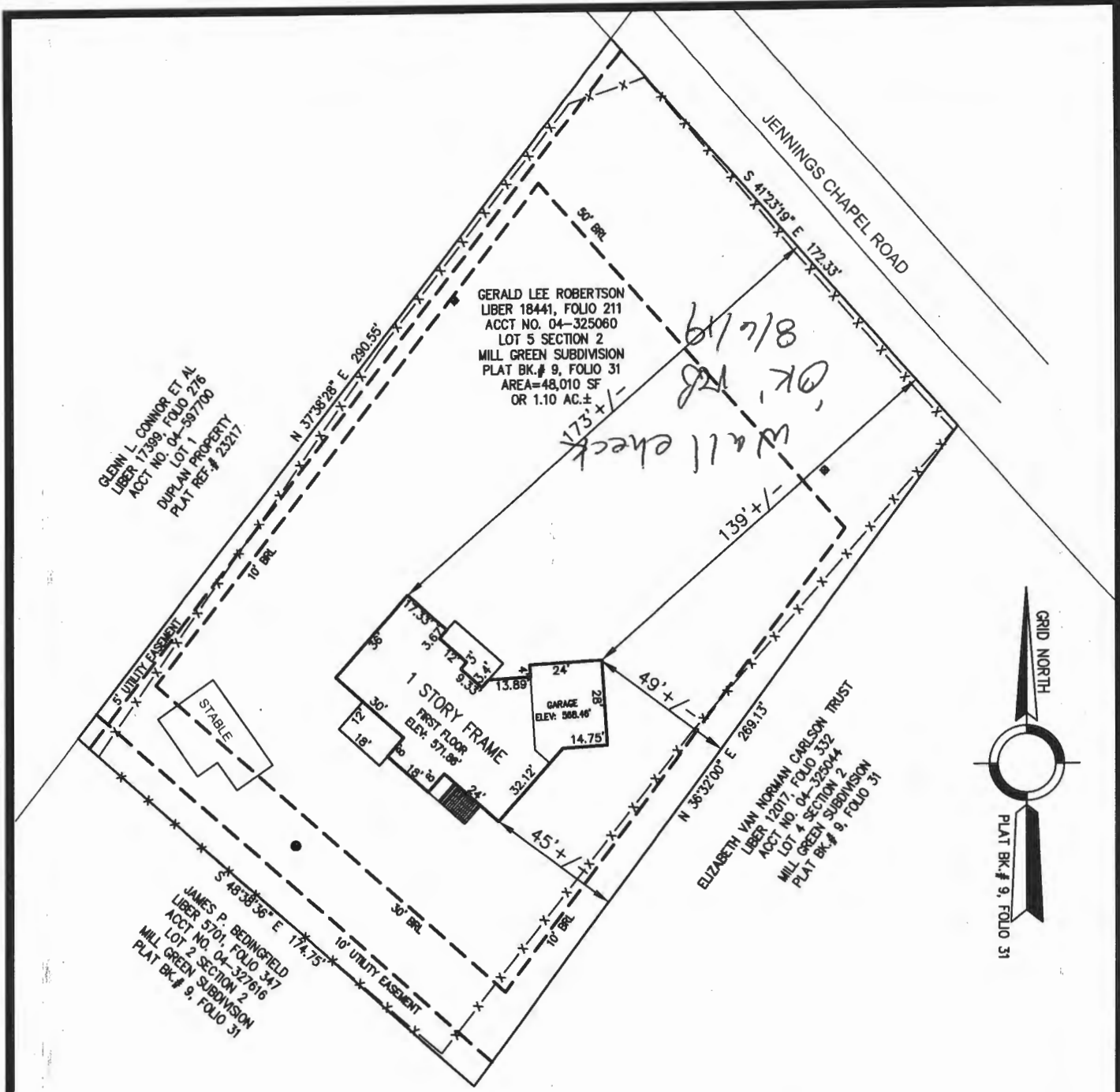
08/29/2019 45' OF UPPER TRENCH COMPLETE. TANK BEING SET. APPEARS WATERTIGHT. 08/30/2019 LOWER TRENCH COMPLETE. INLET @ 3.5' BELOW GRADE. COR. AET UPPER TRENCH DID NOT HAVE FALL FROM DBOX. (PM) CORRECTED FALL. SEWER LINE COMPLETE, REINS. SHC FOLLOW UP W/ LOW TRENCH INLET. 09/03/2019 PER KMW, TRENCHES OK; D BOX HAS ONE SPEED LEVEL DUE TO CORRECTION

FINAL INSPECTOR

*[Handwritten Signature]*

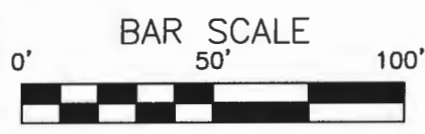
DATE OF APPROVAL

09/03/2019



**GENERAL NOTES**

- 1) THIS SURVEY HAS BEEN PREPARED WITHOUT BENEFIT OF A FORMAL TITLE REPORT. EASEMENTS, RIGHTS-OF-WAY AND OTHER RESTRICTIONS MAY AFFECT THIS PROPERTY AND NOT BE SHOWN.
- 2) THE INFORMATION SHOWN HEREON IS BASED ON THE DEEDS AND PLATS OF RECORD AS INDEXED IN THE PROPERTY CADASTRE OF ANNE ARUNDEL COUNTY, MARYLAND. BEARINGS SHOWN HEREON ARE REFERENCED TO NAD 83.
- 3) THIS SURVEY DOES NOT ADDRESS WETLANDS, CONTAMINATED WASTE OR TOXIC SOIL CONDITIONS, NOR HAVE ANY REPORTS, STUDIES OR INFORMATION REGARDING SUCH BEEN PROVIDED
- 4) THE IMPROVEMENTS SHOWN HEREON WERE FIELD LOCATED ON JULY 18, 2019.
- 5) NOTE THIS DRAWING NOT VALID WITHOUT ORIGINAL SEAL AND SIGNATURE.



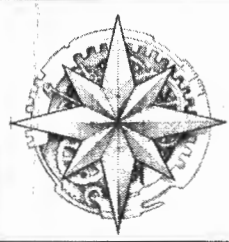
BEING KNOWN AND DESIGNATED AS LOT NO. 5 AS SHOWN ON THE PLAT ENTITLED "MILL GREEN", WHICH PLAT IS RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND IN PLAT BK.# 9, FOLIO 31.

= CONCRETE

JESSICA A. KING  
 MD REG. #21684  
 EXP. 12/20  
 JULY 19, 2019

THIS IS TO CERTIFY THAT THIS PLAT WAS MADE IN ACCORDANCE WITH COMAR 09.13.06.10 MINIMUM STANDARDS AND PROCEDURES FOR A SPECIAL PURPOSE SURVEY. THE VISIBLE IMPROVEMENTS ARE SHOWN TO A TOLERANCE OF 1 FOOT MORE OR LESS.

FOUNDATION CERTIFICATION DRAWING OF  
 LOT 5  
 MILL GREEN  
 3168 JENNINGS CHAPEL ROAD WOODBINE, MD 21797  
 TAX MAP: 0013 PART OF PARCEL: 0101  
 FORTH ELECTION DISTRICT  
 ANNE ARUNDEL COUNTY, MARYLAND



King's Point Surveys, Inc.  
 8019 Long Hill Rd.  
 Pasadena, MD 21122  
 410-255-1378 jking@kingspointsurveys.com

DRAWN: JAK
CHECKED: JAK
DATE: 07-18-19
JOB # 2018-1292
SCALE: 1"=50'
SHEET: 1 OF 1

## Oswald, Hank

---

**From:** Oswald, Hank  
**Sent:** Thursday, February 21, 2019 9:21 AM  
**To:** 'mforgen@aol.com'  
**Subject:** OSDS Plan\_3168 Jennings Chapel Road

Hi Matthew:

The septic trench information indicates a trench depth of 7 feet and a side wall credit of 0.50. Effective area depth doesn't start until 4.5 feet. In order to receive a sidewall credit of 0.50, the minimum trench depth should be at least 7.5 feet.

$W+1/+W+2+2(D)$

$3+2/ 3+1+2(3) = 0.50$

I can redline the plan with the correct bottom trench elevations. i.e. trench 1 – 1 = 558.75 etc. or you may revise and send new copies.

Please let me know.

Thanks,

Hank

Hank Oswald  
Licensed Environmental Health Specialist  
Howard County Health Department  
Bureau of Environmental Health  
Well & Septic Program  
8930 Stanford Boulevard  
Columbia, MD 21045  
410.313.1786 (Office)  
[hoswald@howardcountymd.gov](mailto:hoswald@howardcountymd.gov)

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M.A.F. & Associates, LLC  
Matthew A. Forgen  
526 Hoods Mill Road  
Woodbine MD 21797  
(410) 552-5541

# M.A.F. & Associates, LLC

February 15, 2019

HOWARD CO. HEALTH DEPARTMENT  
8930 STANFORD BLVD.  
COLUMBIA MD. 21045

RE: OSDS Plan  
3168 Jennings Chapel Road, Woodbine, MD. 21797

Dear Mr. Oswald:

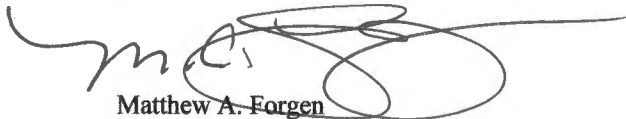
Please accept this resubmittal of a septic plan on the above referenced project.

Addressing comment from 2/15/2019 comment letter:

1. The well tag number has been added to the plan note #2.
2. The trench inverts have been raised as much as possible to allow 2% fall through the system. The trench inverts are as high as possible.
3. The driveway location is acceptable.
4. A 100' well radius has been added around the existing well.
5. All drywells are outside of 100' of the existing well and the 1,500 square foot well box.

If you should have any question regarding this submittal, please feel free to contact me at the number above.

Sincerely,



Matthew A. Forgen

## Oswald, Hank

---

**From:** Oswald, Hank  
**Sent:** Thursday, February 14, 2019 1:36 PM  
**To:** 'mforgen@aol.com'  
**Cc:** Williams, Jeffrey  
**Subject:** OSDS Plan Review Comments Memo #2\_3168 Jennings Chapel Road  
**Attachments:** OSDS Memo #2 To MAF\_2019.pdf

Hello Matthew:

Attached, please find comments pertaining to the review of the revised OSDS Plan for 3168 Jennings Chapel Road.

Should you have any questions, please don't hesitate to ask.

Respectfully,

Hank

Hank Oswald  
Licensed Environmental Health Specialist  
Howard County Health Department  
Bureau of Environmental Health  
Well & Septic Program  
8930 Stanford Boulevard  
Columbia, MD 21045  
410.313.1786 (Office)  
[hoswald@howardcountymd.gov](mailto:hoswald@howardcountymd.gov)

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

**MEMORANDUM**

**TO:** M.A.F. & Associates, LLC  
526 Hoods Mill Road  
Woodbine, MD 21797

**FROM:** Hank Oswald, L.E.H.S.  
Well & Septic Program

**RE:** OSDS Plan  
3168 Jennings Chapel Road  
Woodbine, MD 21797

**Date:** February 14, 2019

---

The OSDS Plan for has been reviewed with the following comments:

- 1.) Add well tag number to note #5 (As per comment made on 1.25.19).
- 2.) Raise trench inverts to a minimum depth of 18 inches while maintaining a 2 % fall from septic tank to d-box (As per comment made on 1.25.19). This is in keeping with proper system design and ease of maintenance.
- 3.) Add 100 foot well radius around existing well.
- 4.) All drywells including DW 4 & 5 must be outside of the 100 foot well radius.

M.A.F. & Associates, LLC  
Matthew A. Forgen  
526 Hoods Mill Road  
Woodbine MD 21797  
(410) 552-5541

# M.A.F. & Associates, LLC

February 5, 2019

HOWARD CO. HEALTH DEPARTMENT  
8930 STANFORD BLVD.  
COLUMBIA MD. 21045

RE: OSDS Plan  
3168 Jennings Chapel Road, Woodbine, MD. 21797

Dear Mr. Oswald:

Please accept this resubmittal of a septic plan on the above referenced project.

Addressing comment from 1/25/2019 comment letter:

1. The plan title has been changed as required.
2. The well box has been revised to match the perc certification plan.
3. The septic trench locations have been moved to utilize the upper portion of the SDA.
4. The D-Box has been moved.
5. The well tag number has been added to the plan.
6. The trench inverts have been raised as much as possible to allow 2% fall through the system. The trench inverts are as high as possible. They are higher than the maximum 4' depth.
7. The driveway location is acceptable.
8. The tank detail and septic profile has been added to the plan.
9. The purpose note has been revised.

If you should have any question regarding this submittal, please feel free to contact me at the number above.

Sincerely,

A handwritten signature in black ink, appearing to read 'M.A. Forgen', with a large, stylized flourish extending to the right.

Matthew A. Forgen

---

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

**MEMORANDUM**

**TO:** M.A.F. & Associates, LLC  
526 Hoods Mill Road  
Woodbine, MD 21797

**FROM:** Hank Oswald, L.E.H.S.  
Well & Septic Program

**RE:** OSDS Plan  
3168 Jennings Chapel Road  
Woodbine, MD 21797

**Date:** January 25, 2019

---

The OSDS Plan for has been reviewed with the following comments:

- 1.) Change title of plan to *Onsite Sewage Disposal System Design Plan*.
- 2.) Match well box location as shown on the approved Percolation Certification Plan.
- 3.) Utilize upper portion of the sewage disposal area (SDA) for initial system.
- 4.) Move d -box to upper portion of SDA near hole # 2.
- 5.) Add well tag number to note #5 and next to well location on the plan.
- 6.) Raise trench inverts to a minimum depth of 18 inches while maintaining a 2 % fall from septic tank to d-box.
- 7.) Relocate driveway outside of SDA.
- 8.) Include cross section and details of septic tank.
- 9.) Change or delete purpose statement.

## Oswald, Hank

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**From:** Oswald, Hank  
**Sent:** Friday, January 25, 2019 2:11 PM  
**To:** 'mforgen@aol.com'  
**Subject:** OSDS Plan\_3168 Jennings Chapel Road  
**Attachments:** OSDS Memo To MAF\_2019.pdf; Septic Specs\_3168 Jennings Chapel Road.pdf

Hello Mr. Forgen:

Attached, please find septic specs and comments pertaining to the review of the OSDA Plan for 3168 Jennings Chapel Road.

Should you have any questions, please don't hesitate to ask.

Respectfully,

Hank

Hank Oswald  
Licensed Environmental Health Specialist  
Howard County Health Department  
Bureau of Environmental Health  
Well & Septic Program  
8930 Stanford Boulevard  
Columbia, MD 21045  
410.313.1786 (Office)  
[hoswald@howardcountymd.gov](mailto:hoswald@howardcountymd.gov)

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## Oswald, Hank

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**From:** Oswald, Hank  
**Sent:** Monday, January 28, 2019 11:05 AM  
**To:** 'MAF & Associates, LLC'  
**Subject:** RE: OSDS Plan\_3168 Jennings Chapel Road

Hi Matthew:

It's okay if the well is outside the well box but you will have to relocate DW4 if its closer than 100 feet from the well/well box. The well tag # is HO-17-0139. Is the existing well missing the tag? I will get back to you about the driveway after I have consulted with the deputy director.

Thanks,

Hank

---

**From:** MAF & Associates, LLC <mforgen@aol.com>  
**Sent:** Monday, January 28, 2019 10:18 AM  
**To:** Oswald, Hank <hoswald@howardcountymd.gov>  
**Subject:** Re: OSDS Plan\_3168 Jennings Chapel Road

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

Hank

Attached is the spec sheet I received from your office on the 17th of 2019. This was used for the preparation of the plan.

1. I will change the title of the plan.
2. We will need a new perc certification plan because we have placed the well box around the existing well that was installed. The existing well was put in a location outside the original well box.
3. The trenches will be shifted towards perc #2
4. The D-Box will be shifted as well.
5. I don't have a tag number. Does your office have the tag number noted in the file?
6. If I move the trenches to the area of Perc 2 and hold 18" I will have less than 1' cover over the septic tank. There should not be an issue with the pipe in the trench deeper than 18". 18" is a minimum amount of cover. The effective depth is deeper than the proposed pipe invert.
7. Please send me the section of the COMAR that prohibits the driveway from being in the SDA. We have been allowed to show driveways within the SDA in many jurisdictions.
8. I will add the tank detail. I will delete the purpose note.

Thanks for your assistance.

Matthew A Forgen  
MAF & Associates, LLC  
443-864-8589 (cell)  
410-552-5541 (office)  
410-552-5546 (fax)

-----Original Message-----

**From:** Oswald, Hank <hoswald@howardcountymd.gov>  
**To:** 'mforgen@aol.com' <mforgen@aol.com>

Sent: Fri, Jan 25, 2019 2:10 pm  
Subject: OSDS Plan\_3168 Jennings Chapel Road

Hello Mr. Forgen:

Attached, please find septic specs and comments pertaining to the review of the OSDA Plan for 3168 Jennings Chapel Road.

Should you have any questions, please don't hesitate to ask.

Respectfully,

Hank

Hank Oswald  
Licensed Environmental Health Specialist  
Howard County Health Department  
Bureau of Environmental Health  
Well & Septic Program  
8930 Stanford Boulevard  
Columbia, MD 21045  
410.313.1786 (Office)  
[hoswald@howardcountymd.gov](mailto:hoswald@howardcountymd.gov)

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(1) Conventional on-site sewage disposal systems may not be approved where there is less than 4 feet of unsaturated, unconsolidated material sufficient to attenuate effluent below the bottom of the on-site sewage disposal system except as provided in §C(2) of this regulation and Regulation .05V of this chapter.

(2) In the coastal plain province where 4 feet of unsaturated, unconsolidated material sufficient to attenuate effluent below the bottom of the on-site sewage disposal system is not available, the Approving Authority may identify areas where on-site sewage disposal systems using less than 4 feet of unsaturated soil may be allowed, if:

(a) The aquifer is a Type III (other than Type I or Type II), pursuant to COMAR 26.08.02.09B; or

(b) The aquifer has limited potential to serve as a drinking water source. These aquifers shall meet one or more of the following conditions:

(i) Insufficient potable water to serve as a year-round supply due to seasonally fluctuating water tables;

(ii) Interconnection with tidewater such that if pumped for water supply, brackish water or saltwater intrusion into the aquifer has or would occur; or

(iii) Evidence the aquifer has already been polluted by, or is in imminent danger of being polluted, by activities in the area.

(3) All the following criteria are required for all areas in which aquifers have been designated, pursuant to §C(2) of this regulation, for installation of on-site sewage disposal systems using less than 4 feet of unsaturated soil below the bottom of the sewage disposal field or pit:

(a) The area is delineated in a ground water protection report prepared by the county government or its representative; and the groundwater protection report is approved by the county health department and included in the appropriate county water and sewer plan approved by the Department of the Environment.

(b) The groundwater protection report sets density, design, and construction requirements to minimize degradation of aquifers designated for discharge and justifies any variances to §C(3)(b)—(g) of this regulation.

(c) A quantitatively and qualitatively superior potable water supply is available from one or more deeper confined aquifers that are separated from the disposal aquifer by a confining aquiclude.

(d) Measures are taken by the county health department to ensure that the aquifer designated for waste disposal is not currently and will not be used for a potable water supply.

(e) Discharge to a surficial aquifer does not contaminate a deeper aquifer of Type I or II, pursuant to COMAR 26.08.01—.04, or any aquifer used for water supply.

(f) If a water supply well taps a confined aquifer beneath the disposal aquifer the permittee shall grout through the disposal aquifer.

(g) The on-site sewage disposal system and recovery area is located 100 feet from any well in a confined aquifer.

(h) Unimproved lots served by these on-site sewage disposal systems may not be less than 2 acres in size.

D. Approvals for lots in the Appalachian physiographic province of the State (see the map of Maryland Physiographic Provinces and Their Divisions in this chapter), where 4 feet of unsaturated, unconsolidated soil sufficient to attenuate effluent below the subsurface disposal system is not available, may require concurrent approval of the Department of the Environment at the discretion of the Water Management Administration. Training and assistance by the Water Management Administration personnel will be provided at the request of the Approving Authority. In limestone or dolomite areas of the Appalachian physiographic province, deviation from the 4-foot requirement may not be given for new development.

E. Sewage disposal areas shall meet all physical and distance requirements outlined in regulations .03 and .04 of this chapter, exclusive of easements, rights-of-way, buildings, and any other permanent or physical objects, and may not be disturbed by earth moving, compaction, tree removal or grading after approval by the Approving Authority without prior authorization of the Approving Authority.

4/24/96  
2-48

# PERMIT

## SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

04-331761

P 50929

A 50820

DISTRICT 4

DATE 10/16/95

DATE SYSTEM APPROVED 4/23/96

INSPECTOR *[Signature]*

### HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

461-9933 313-2640

(sink)

INDEXED

Bernard A. Duplan

IS PERMITTED TO INSTALL  ALTER

ADDRESS 3316 Hipsley Mill Road, Woodbine, MD 21797 PHONE 442-2444

SUBDIVISION Duplan Property LOT ROAD 3211 Jones Road

PROPERTY OWNER Bernard A. & Olga L. Duplan

ADDRESS

SEPTIC TANK CAPACITY 1000 GALLONS \*Invert out of house is required to "have 18" minimum cover\*

NUMBER OF BEDROOMS 3 \*CALL FOR SEPTIC LAYOUT INSPECTION PRIOR TO INSTALLATION\*

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 135

TRENCHES - Trench to be 2 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 7.5 feet below original grade. Effective area begins at 3.5 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Place distribution box 230 feet up the left (657.87) lot line and 90 feet off that same lot line as seen when facing the lot from Jones Road. Run trenches on contour in both directions.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank.

OK-10/30/95 *[Signature]*

PLANS APPROVED BY Amy McMillen *[Signature]* DATE 10/16/95

COVER NO WORK UNTIL INSPECTED AND APPROVED

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

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS, 90° ELBOWS NOT ACCEPTABLE.

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX TRENCHES) TO BE 100 FEET FROM WELL (UNLESS OTHERWISE SPECIFICALLY AUTHORIZED)

NOTE: IF DEEP TRENCH(ES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(ES)

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

PERMIT VOID AFTER TWO YEARS

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

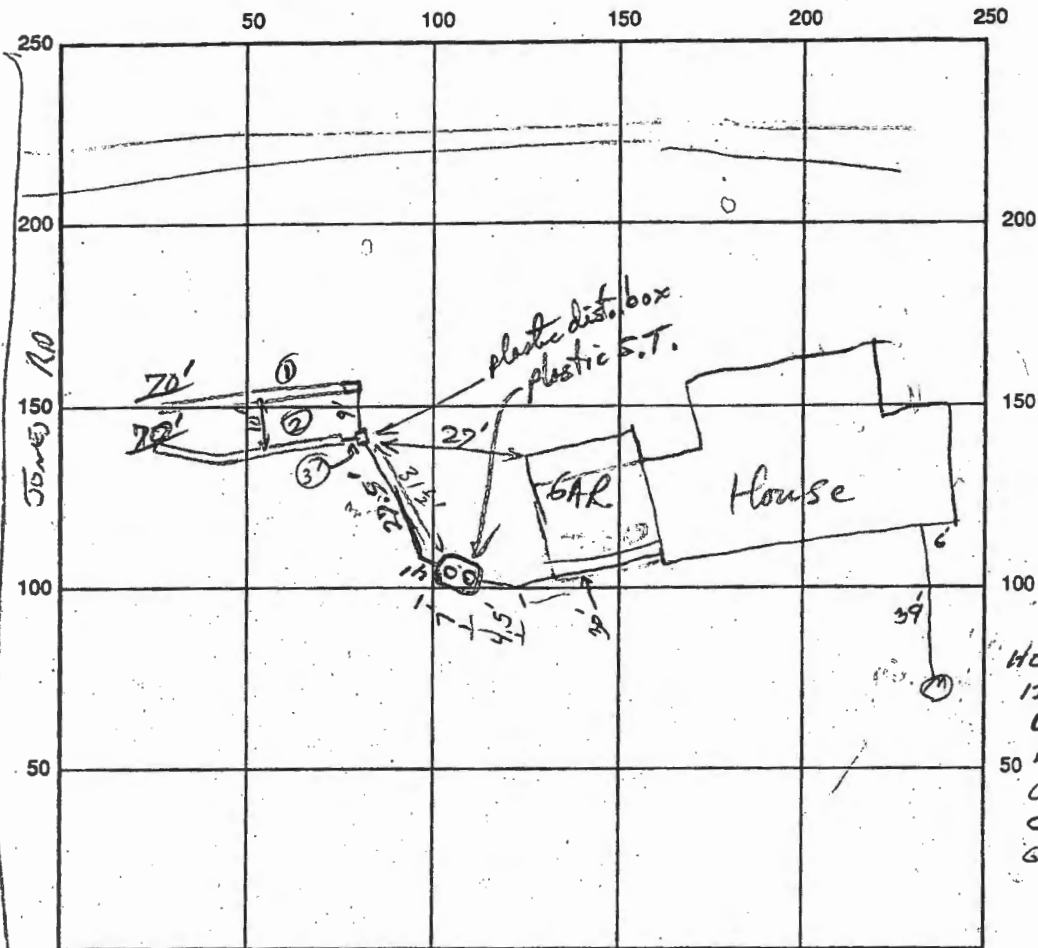
\*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

HD-260(6-90)

\*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

Add On - Garage  
SEPTIC PERMIT SIGNED  
AND RETURNED 11-9-95  
Serial # 62495

A 50820



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 1000 gal plastic S.T. CLEANOUTS Manhole covers at both ends of S.T. OK inlet side has riser to grade.

DISTRIBUTION BOX LEVEL OK level - open pipes

DRAIN FIELD/TITLE DEPTH 7 1/2 FT. TRENCH WIDTH 2 FT. INLET DEPTH 3 1/2 FT.

EFFECTIVE GRAVEL DEPTH 4 FT. TOTAL LENGTH 70 / 70 FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 560 SQ. FT.

DRYWALL INSIDE DIAMETER \_\_\_\_\_ FT. EFFECTIVE DEPTH BELOW INLET \_\_\_\_\_ FT.

ABSORBENT AREA \_\_\_\_\_ SQ. FT.

REMARKS: 11-21-95 OWNER PROPOSED USING NORWESCO POLYETHYLENE SEPTIC TANK  
PRE-APPROVED BY ROBERT SHEESLEY (CONS. ENGR. HEALTH DEPTORS) 12-4-84. JF  
11-21-95 owner may place distribution box closer to house, run 2' 70'  
TRENCHES on contour. PRELIMINARY LAYOUT OK, OWNER WILL CALL FOR INFO  
AFTER TANK IS SET. JF 12/18/95 POLY TANK SET, CASING OK  
Trench mostly gravel filled & piped, last 10ft open to bottom. OK to finish gravel filling then covers. JF

DATE SYSTEM APPROVED 4/24/96 INSPECTOR [Signature]

04-327614

Hydrated C.P.S.

# PERMIT

P 24098  
A 23721

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

ELLICOTT CITY

DISTRICT 4

DATE 9/30/76

INDEXED

~~11/1/76~~  
~~11/1/76~~  
p.m. place

11/24/76  
dm if possible

Costello Builders, Inc.

IS PERMITTED TO INSTALL  ALTER

ADDRESS Woodbine, Md. PHONE 442-2288

A SEWAGE DISPOSAL SYSTEM LOCATED AT \_\_\_\_\_

SUBDIVISION Mill Green ROAD Hipsley Mill Rd. LOT 2, Sec. 2

PROPERTY OWNER James P. & Joyce L. Bedingfield

ADDRESS \_\_\_\_\_

2 SPECIFICATIONS - 4 bedrooms

DRAIN FIELD \_\_\_\_\_ DEPTH \_\_\_\_\_ FEET, BOTTOM AREA \_\_\_\_\_ SQ. FT.

SEEPAGE PITS \_\_\_\_\_ ABSORBENT SIDE-WALL AREA \_\_\_\_\_ SQ. FT.

SEPTIC TANK CAPACITY 1,250 GALLONS

FOR GARBAGE GRINDER, INCREASE DISPOSAL AREA 22% & TANK CAPACITY 50%.

OTHER Dry well and trench system to have 160 sq. ft. effective sidewall absorption area per bedroom to begin below the first 4 ft. of non-porous soil. Maximum depth permitted for

dry well or trench is 10 ft. below original grade. Place the dry well 20 FT. from the right side line and 110 ft. from the front lot line as seen when facing the property from Hipsley Mill Road. Start the trench after a 5 ft. earth buffer with dry well and proceed to dig it towards Hipsley Mill Road. (towards perc hole #4, keeping the trench on level ground.

NOTE: CALL FOR INSPECTION OF TRENCH BEFORE GRAVEL IS INSTALLED.  
PERMIT VOID AFTER THREE YEARS.

PLANS APPROVED BY Frank Skinner DATE 8/31/76  
ALL PIPE FROM HOUSE TO DISPOSAL AREA MUST BE CAST IRON.

FILL SEPTIC TANK AND DISTRIBUTION BOX WITH WATER BEFORE CALLING FOR AN INSPECTION. COVER NO WORK UNTIL INSPECTED AND APPROVED.  
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6" IN DIA., CAST

NEITHER THE HOWARD COUNTY COMMISSIONERS NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM ACCEPTED.  
IRON, CONCRETE OR TERRA COTTA

15' x 15' x 10' Logwell and 50' trench  
invert 4' max depth 10 ft

BLDG. PERMIT SIGNED AND RETURNED 9/23/80  
Invert 44592  
Underground 500 tank

A 23721



PRELIMINARY

# APPLICATION

A 23721

SEWAGE DISPOSAL TESTING

P \_\_\_\_\_

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

DISTRICT 4th

8/13/76  
2:00 p.m.

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES

DATE 8/12/76

P. O. BOX 475, ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 465-5000, EXT. 356

3 B.R. 1000 gal. septic tank | 4 B.R. 1250 gal. septic tank

Drywell & trench system to have 160 sq. ft. effective sidewall absorption area per bedroom to begin below the first 4 1/2 ft. of non porous soil. Maximum depth permitted for drywell or trench is 10 ft. below original grade. Place the drywell 130 ft. from the right side line and 110 ft. from the front lot line, as seen when facing the property from Hipsley Mill Road. Start the trench 5 feet east of the buffer with drywell and proceed to dig it towards Hipsley Mill Road (towards perc hole #4), keeping the trench on the level ground.

TO: THE COUNTY HEALTH OFFICER

→ NOTE: Call for inspection of trench before gravel is installed  
I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER James P. & Joyce L. Bedingfield  
ADDRESS 7519 Newburg Drive, Lanham, Md. 20801 PHONE 442-2633  
Any questions call Costello Bldrs.

PROPERTY LOCATION:  
SUBDIVISION Mill Green LOT NO. 2, Sec. 2  
ROAD AND DESCRIPTION Hipsley Mill Road

SIZE OF LOT 2.124 acres TYPE BLDG. 3 or 4 bedrooms  
NUMBER OF BEDROOMS

IF NOT SINGLE RESIDENCE DESCRIBE \_\_\_\_\_

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE.

SIGNATURE OF APPLICANT /s/ Steve Costello

APPROVED BY Frank Skinner FOR drywell & trench DATE 8/31/76  
(KIND OF SYSTEM)

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_  
(KIND OF SYSTEM)

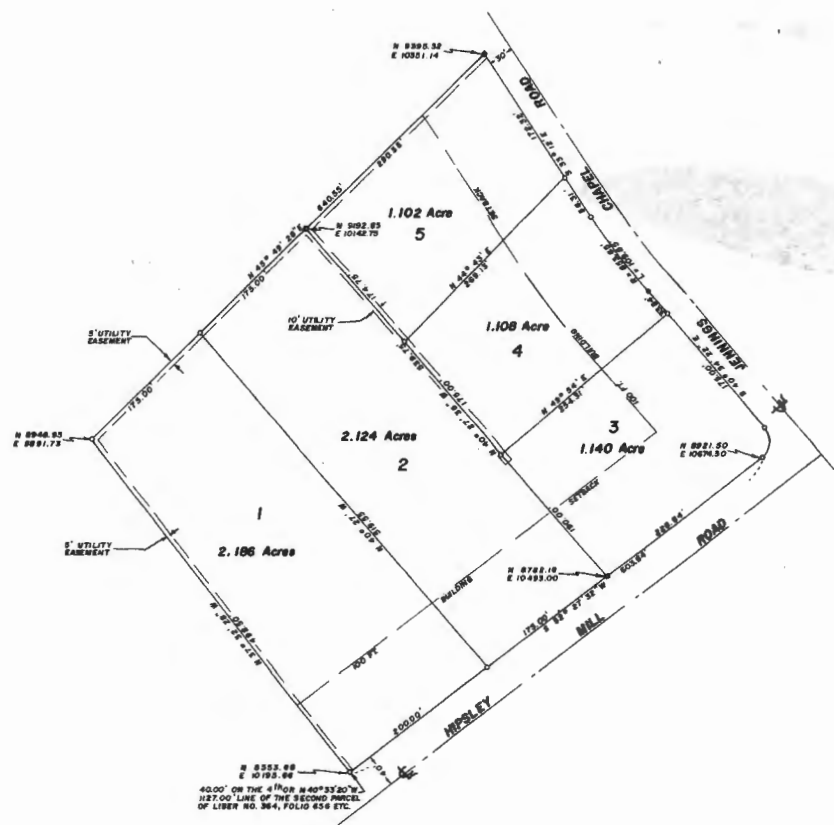
HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

BLDG. PERMIT SIGNED  
AND RETURNED 9/28/76

# THIS IS NOT A PERMIT

#31



**OWNERS DEDICATION**

We, Richard M. Halliwell and Mildred Halliwell, his wife, and Louise H. Adams, owners of the property shown and described hereon, adopt this plan of subdivision and reserve the fee simple title to the beds of the streets and/or roads shown hereon, and in consideration of the approval of this plat by the Planning Commission of Howard County, we for ourselves, our heirs or assigns do hereby give and grant unto the Board of County Commissioners of Howard County the right and option to acquire for the consideration of one dollar the fee simple title to the beds of the streets and/or roads shown hereon, within the period of five years from date of the recording of this plat among the land records of Howard County.

Witness our hands and seals this 23<sup>rd</sup> day of May 1963

*Richard M. Halliwell*  
Richard M. Halliwell

*Mildred E. Halliwell*  
Mildred E. Halliwell

*Louise H. Adams*  
Louise H. Adams

**ENGINEERS CERTIFICATE**

I, hereby certify that the plan shown hereon is correct; that it is a subdivision of the secondly described parcels of land which by deed dated November 4, 1960 and recorded among the Land Records of Howard County in Liber No. 364, folio 656 etc. was granted and conveyed by Katherine D. Jones, widow, to Richard M. Halliwell and wife and Louise Adams, and that iron pipes marked thus  $\circ$  and concrete monument marked thus  $\times$  are in place as shown hereon. I further certify that the requirements of Sections 72A to 72D of the Annotated Code of Maryland (Title Clerk of Court - Subtitle Clerk of Circuit Court) as far as they relate to the marking of this plat and setting of markers have been complied with.

*Clair M. Shiner Jr.*  
Clair M. Shiner Jr., Reg. Engineer & Land Surveyor No. 2237

**MAP OF  
MILL GREEN SECTION TWO  
FOURTH ELECTION DISTRICT OF HOWARD COUNTY  
DABY, MARYLAND  
SCALE: 1 IN. = 100 FT.      MAY, 1963**

**PLAT APPROVED BY**

6-12-63 *Wilmer M. Sanner*  
Date      Wilmer M. Sanner, Chairman of Planning Commission

6-12-63 *Thomas G. Harris*  
Date      Thomas G. Harris, Planning Director

6-11-63 *Herman S. O'Neill*  
Date      Herman S. O'Neill, County Roads Supervisor

6-12-63 *Carl W. Meyer*  
Date      Carl Meyer, Chief Engineer of the Metropolitan Commission

**CURVE DATA**

CURVE	RADIUS	ANGLE	ARC	TANGENT	CHORD
D	833.58'	07°28'22"	108.86'	88.00'	926°53'11" E 108.77'
E	25.00'	88°01'54"	40.84'	86.28'	908°26'30" W 36.28'

COORDINATES - ASSUMED  
AREA IN LOTS 7.860 ACRES  
AREA IN ROADS .802 ACRES  
TOTAL 8.482 ACRES

JUN 17 1963

*Stamp*

Howard  
#486  
9/10/63

11/10/72  
Partial  
OK  
SWS

11-17-72  
SWP

# PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

17198  
15714  
A  
ELLICOTT CITY  
DISTRICT 4  
DATE 7-6-72

**INDEXED**

Marshall Dauberman IS PERMITTED TO INSTALL  ALTER

ADDRESS 17938 Pond Road, Ashton, Maryland PHONE 774-4515

A SEWAGE DISPOSAL SYSTEM LOCATED AT \_\_\_\_\_  
3185

SUBDIVISION \_\_\_\_\_ ROAD Jennings Chapel Road LOT 6

PROPERTY OWNER Marshall Dauberman

ADDRESS same as above

SPECIFICATIONS 4 bedrooms

DRAIN FIELD \_\_\_\_\_ DEPTH \_\_\_\_\_ FEET, BOTTOM AREA \_\_\_\_\_ SQ. FT.

SEEPAGE PITS \_\_\_\_\_ ABSORBENT SIDE-WALL AREA \_\_\_\_\_ SQ. FT.

SEPTIC TANK CAPACITY 1200 GALLONS

FOR GARBAGE GRINDER, INCREASE DISPOSAL AREA 22% & TANK CAPACITY 50%.

OTHER DRY WELL - 400 sq. ft. absorbent sidewall area to begin below the first 4 1/2 ft. of non-absorbent ground. Maximum depth permitted for dry well is 12 ft. below original grade. Place dry well 150 ft. from edge of Jennings Chapel Road and 33 ft. to the left of the edge of right of way road as seen when facing lot from Jennings Chapel Road.

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON.

PERMIT VOID AFTER THREE YEARS.

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL.

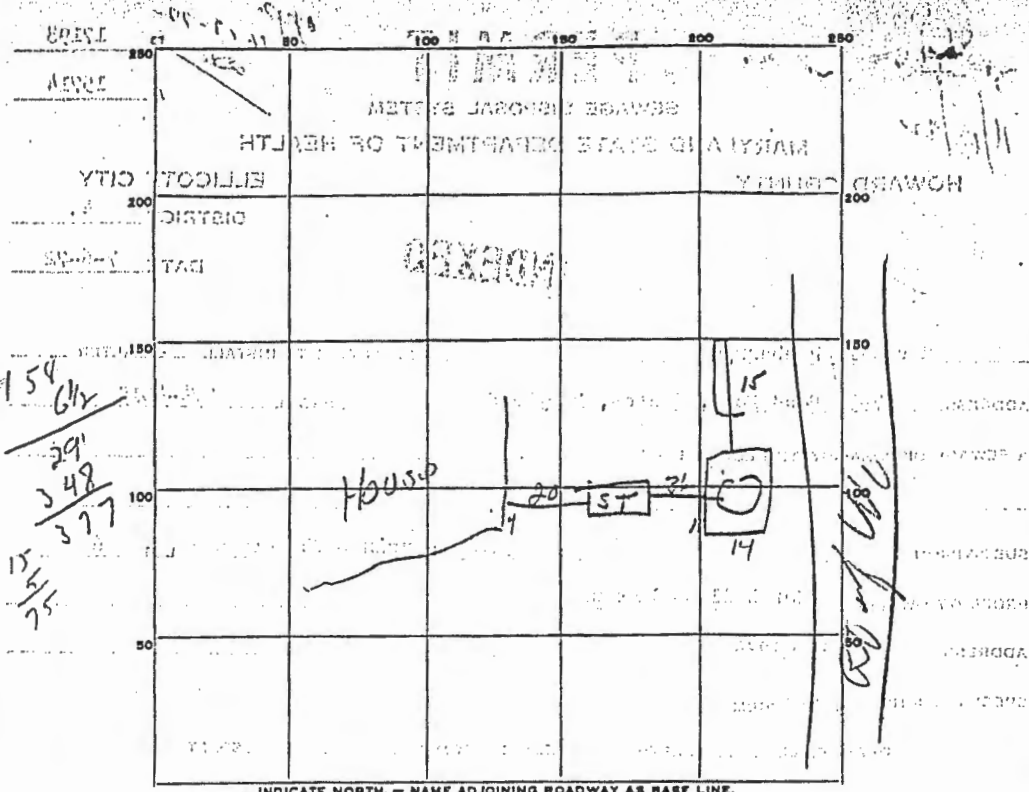
PLANS APPROVED BY D. Monaghan & J. Wright DATE 3-3-71

FILL SEPTIC TANK AND DISTRIBUTION BOX WITH WATER BEFORE CALLING FOR AN INSPECTION. COVER NO WORK UNTIL INSPECTED AND APPROVED.

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

15714

\_\_\_\_\_  
\_\_\_\_\_  
DATE SYSTEM APPROVED \_\_\_\_\_



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

PERMIT CARD \_\_\_\_\_

SEPTIC TANK, LEVEL 6 1/2 CLEANOUTS relaxation

DISTRIBUTION BOX, LEVEL \_\_\_\_\_

TILE FIELD, DEPTH \_\_\_\_\_ FT. TRENCH WIDTH \_\_\_\_\_ FT.

GRAVEL DEPTH \_\_\_\_\_ IN. TOTAL LENGTH \_\_\_\_\_ FT.

NUMBER OF TRENCHES \_\_\_\_\_ TOTAL BOTTOM AREA \_\_\_\_\_

SEEPAGE PITS, INSIDE DIAMETER Permits 58 FT. DEPTH BELOW INLET 6 1/2 FT.

ABSORBENT AREA 377 SQ. FT.

REMARKS: trench 3' deep long 2' wide - 5' gravel under pipe - 150 depth  
377 sq ft area  
52.71 sq ft  
Install rest of gravel around DB } OK to cover rest of work.  
" elements "

DATE SYSTEM APPROVED 11/14/72 INSPECTOR D. W. Money

## Oswald, Hank

---

**From:** MAF & Associates, LLC <mforgen@aol.com>  
**Sent:** Monday, January 28, 2019 10:18 AM  
**To:** Oswald, Hank  
**Subject:** Re: OSDS Plan\_3168 Jennings Chapel Road  
**Attachments:** sewage disposal system specificationsworksheet 1-17-19.pdf

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

Hank

Attached is the spec sheet I received from your office on the 17th of 2019. This was used for the preparation of the plan.

1. I will change the title of the plan.
2. We will need a new perc certification plan because we have placed the well box around the existing well that was installed. The existing well was put in a location outside the original well box.
3. The trenches will be shifted towards perc #2
4. The D-Box will be shifted as well.
5. I don't have a tag number. Does your office have the tag number noted in the file?
6. If I move the trenches to the area of Perc 2 and hold 18" I will have less than 1' cover over the septic tank. There should not be an issue with the pipe in the trench deeper than 18". 18" is a minimum amount of cover. The effective depth is deeper than the proposed pipe invert.
7. Please send me the section of the COMAR that prohibits the driveway from being in the SDA. We have been allowed to show driveways within the SDA in many jurisdictions.
8. I will add the tank detail. I will delete the purpose note.

Thanks for your assistance.

Matthew A Forgen  
MAF & Associates, LLC  
443-864-8589 (cell)  
410-552-5541 (office)  
410-552-5546 (fax)

-----Original Message-----

From: Oswald, Hank <hoswald@howardcountymd.gov>  
To: 'mforgen@aol.com' <mforgen@aol.com>  
Sent: Fri, Jan 25, 2019 2:10 pm  
Subject: OSDS Plan\_3168 Jennings Chapel Road

Hello Mr. Forgen:

Attached, please find septic specs and comments pertaining to the review of the OSDA Plan for 3168 Jennings Chapel Road.

Should you have any questions, please don't hesitate to ask.

Respectfully,

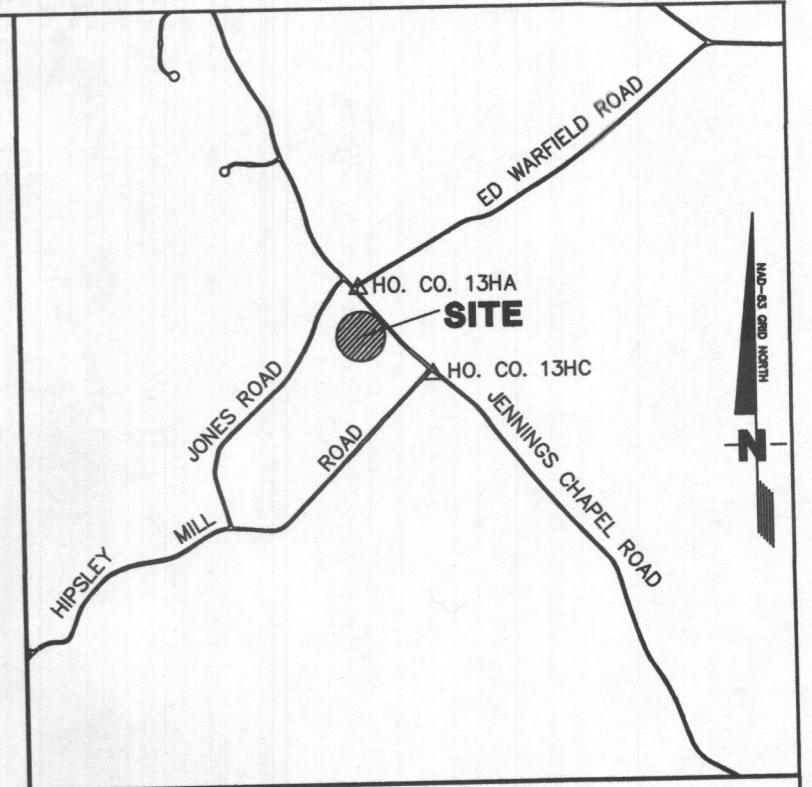
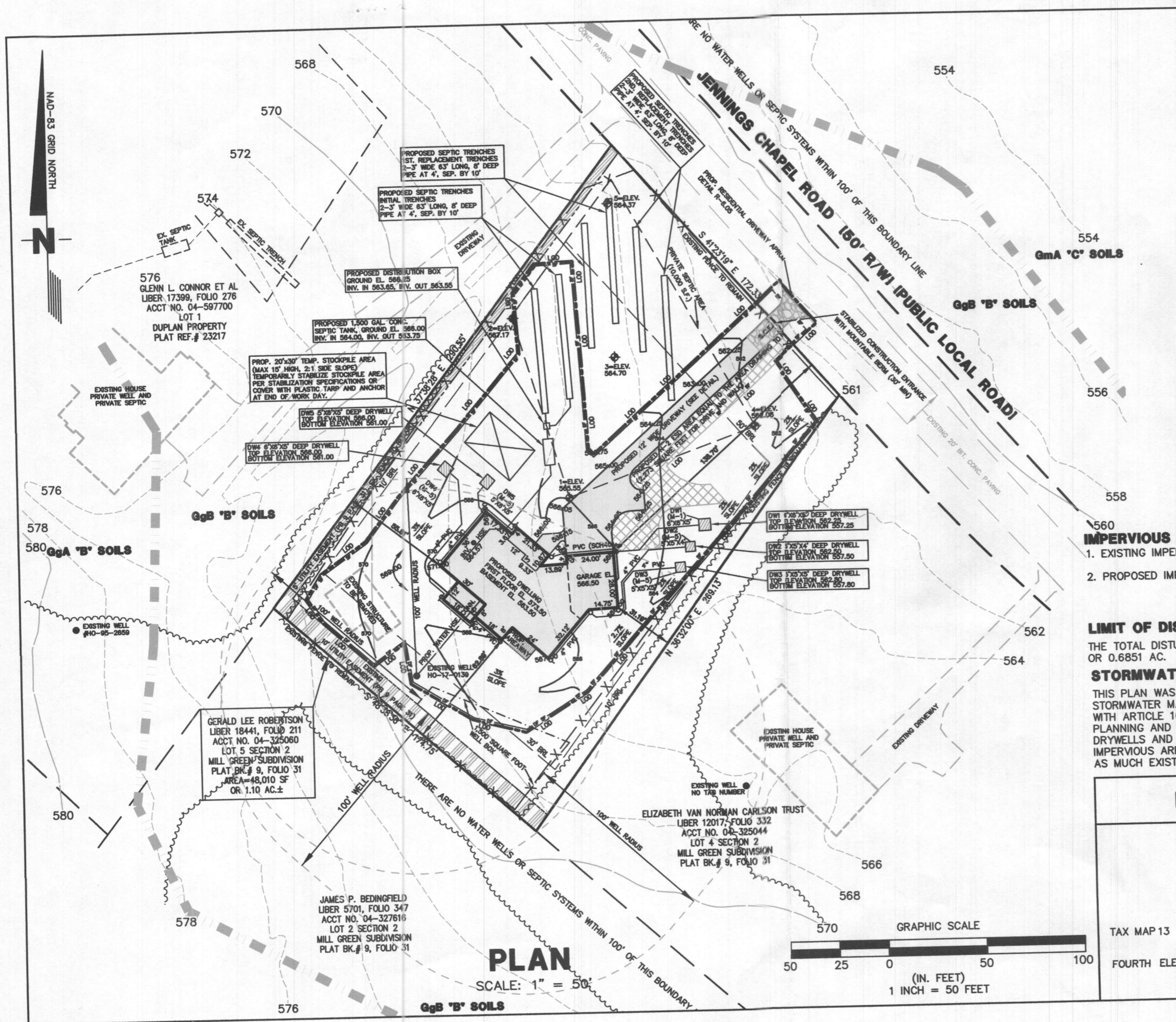
Hank

Hank Oswald  
Licensed Environmental Health Specialist  
Howard County Health Department

Bureau of Environmental Health  
Well & Septic Program  
8930 Stanford Boulevard  
Columbia, MD 21045  
410.313.1786 (Office)  
[hoswald@howardcountymd.gov](mailto:hoswald@howardcountymd.gov)

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**VICINITY MAP**  
 SCALE: 1" = 2,000'  
 ADC MAP: 15, GRID: E5

**IMPERVIOUS AREA NOTE**

- EXISTING IMPERVIOUS AREA: 677 S.F. = 0.0155 AC. TO BE REMOVED
- PROPOSED IMPERVIOUS:
 

HOUSE:	3,646 S.F. = 0.0837 AC.
DRIVEWAY:	2,225 S.F. = 0.0511 AC.
CONC. WALK:	48 S.F. = 0.0011 AC.
<b>TOTAL:</b>	<b>5,919 S.F. = 0.1359 AC..</b>

**LIMIT OF DISTURBANCE NOTE**  
 THE TOTAL DISTURBED AREA FOR THE CONSTRUCTION SHOWN ON THIS PLAN IS 29,845 S.F. OR 0.6851 AC.

**STORMWATER MANAGEMENT NOTE**  
 THIS PLAN WAS REVIEWED UNDER THE 2010 REGULATIONS FOR STORMWATER MANAGEMENT. STORMWATER MANAGEMENT PRACTICES WILL BE PROVIDED FOR THIS SITE IN ACCORDANCE WITH ARTICLE 16, SECTION 4 AND THE DEVELOPMENT PLAN ON FILE WITH THE OFFICE OF PLANNING AND ZONING. ESD WAS ACHIEVED THROUGH THE UTILIZATION OF 5 DRYWELLS AND NON-ROOFTOP DISCONNECT ESDs LOCATED AROUND THE PROPOSED IMPERVIOUS AREA TO PROVIDE THE REQUIRED ESD VOLUME FOR THE SITE. WE HAVE SAVED AS MUCH EXISTING GRASS AS POSSIBLE.

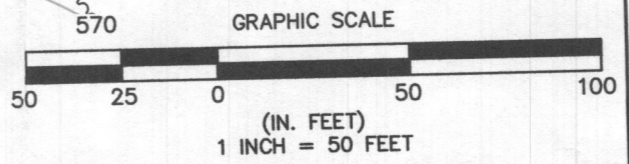
**INDIVIDUAL SITE PLOT PLAN**

**MILL GREEN SUBDIVISION  
 LOT 5, SECTION 2  
 PLAT BOOK #486  
 SINGLE-FAMILY DWELLING**

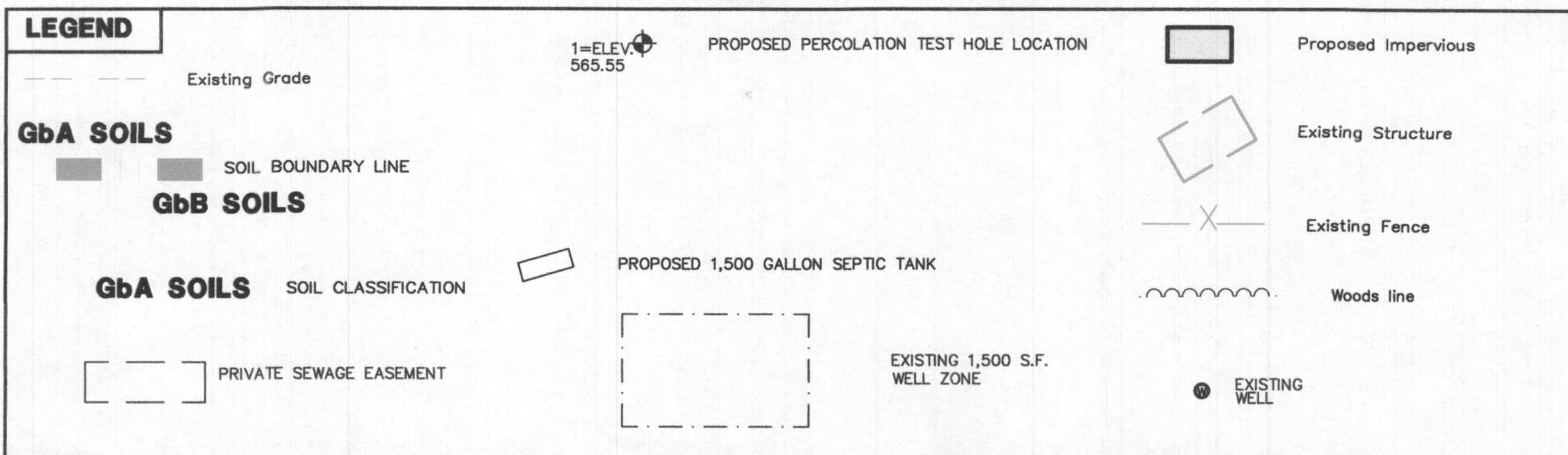
TAX MAP 13 BLOCK 22 PARCEL 101 TAX ACCOUNT #: 4-325060 ZONING: RC DEO  
 DATE: MARCH 11, 2019  
 FOURTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
**SHEET 1 of 1**

**PLAN**

SCALE: 1" = 50'



GgB 'B' SOILS



**PURPOSE NOTE:**  
THE PURPOSE OF THIS PLAN IS TO ESTABLISH A DESIGN FOR AN ONSITE SEWAGE DISPOSAL SYSTEM THAT WILL ALLOW FOR THE INSTALLATION OF THE SEPTIC SYSTEM FOR A NEW SINGLE FAMILY DWELLING TO BE CONSTRUCTED ON SITE.

**TOPOGRAPHY NOTE:**  
THE TOPOGRAPHY SHOWN ON THIS PLAN IS TAKEN FROM A FIELD RUN SURVEY AND VERIFIED BY KING'S POINT SURVEYS, INC. AND IS VERIFIED TO ACCURATELY REPRESENT THE RELATIVE CHANGES ON THE SUBJECT PROPERTY.

**WELL LOCATION NOTE:**  
ALL EXISTING WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100 FEET OF PROPERTY BOUNDARIES AND 200 FEET DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF.

**NOTE:**  
THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.

**BOUNDARY AND LOCATION NOTE:**  
THE LOT BOUNDARY IS TAKEN FROM THE RECORD DEED RECORDED IN THE HOWARD COUNTY LAND RECORDS IN PLAT BOOK 9 PAGE 38. THE HOUSE AND SEPTIC AREA LOCATION ARE TAKEN FROM THE PREVIOUSLY APPROVED SITE DEVELOPMENT PLAN.

**CERTIFICATION OF COMPLIANCE WITH OWNERSHIP WIDTH AND LOT AREA REQUIREMENTS FOR LOTS CREATED AFTER 1985:**

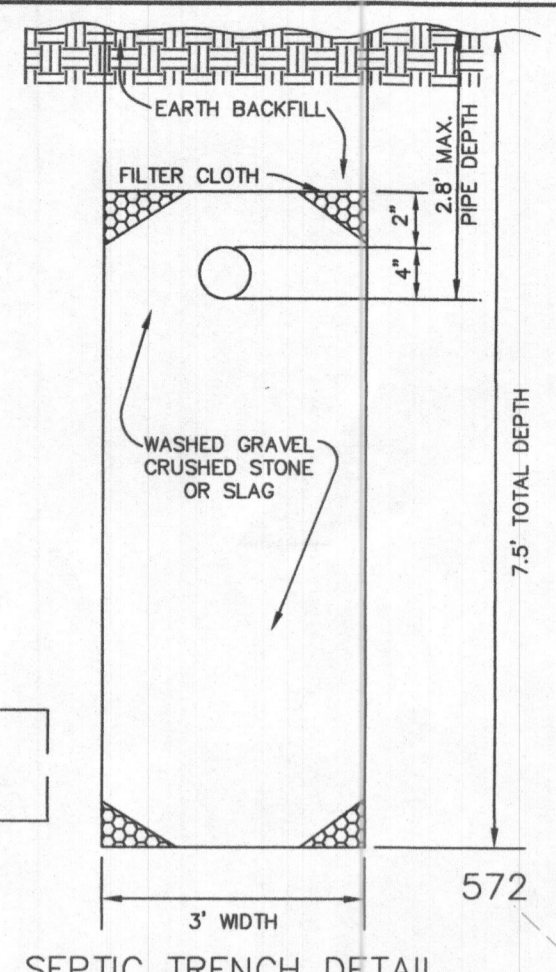
THE LOT SHOWN HEREIN COMPLIES WITH THE MINIMUM WIDTH AND LOT AREA REQUIREMENTS FOR LOT AREA AS REQUIRED BY MARYLAND DEPARTMENT OF ENVIRONMENT.

**SEPTIC SYSTEM NOTE:**  
THE NEW SEPTIC SYSTEM WILL BE INSTALLED FOR THE NEW SINGLE FAMILY DWELLING.

**SEPTIC TRENCH DESIGN NOTE:**  
THE SEPTIC TRENCHES SHOWN ON THIS PLAN WERE SIZED BASED ON 4 BEDROOMS, A LOADING RATE OF 0.8 AND A SIDEWALL REDUCTION 0.50 FOR THE INITIAL AND REPLACEMENT TRENCHES.

**"MDE SEWAGE EASEMENT STATEMENT"**

"THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A REVISED EASEMENT SHALL NOT BE NECESSARY."



**SEPTIC TRENCH DESIGN CALCULATION**

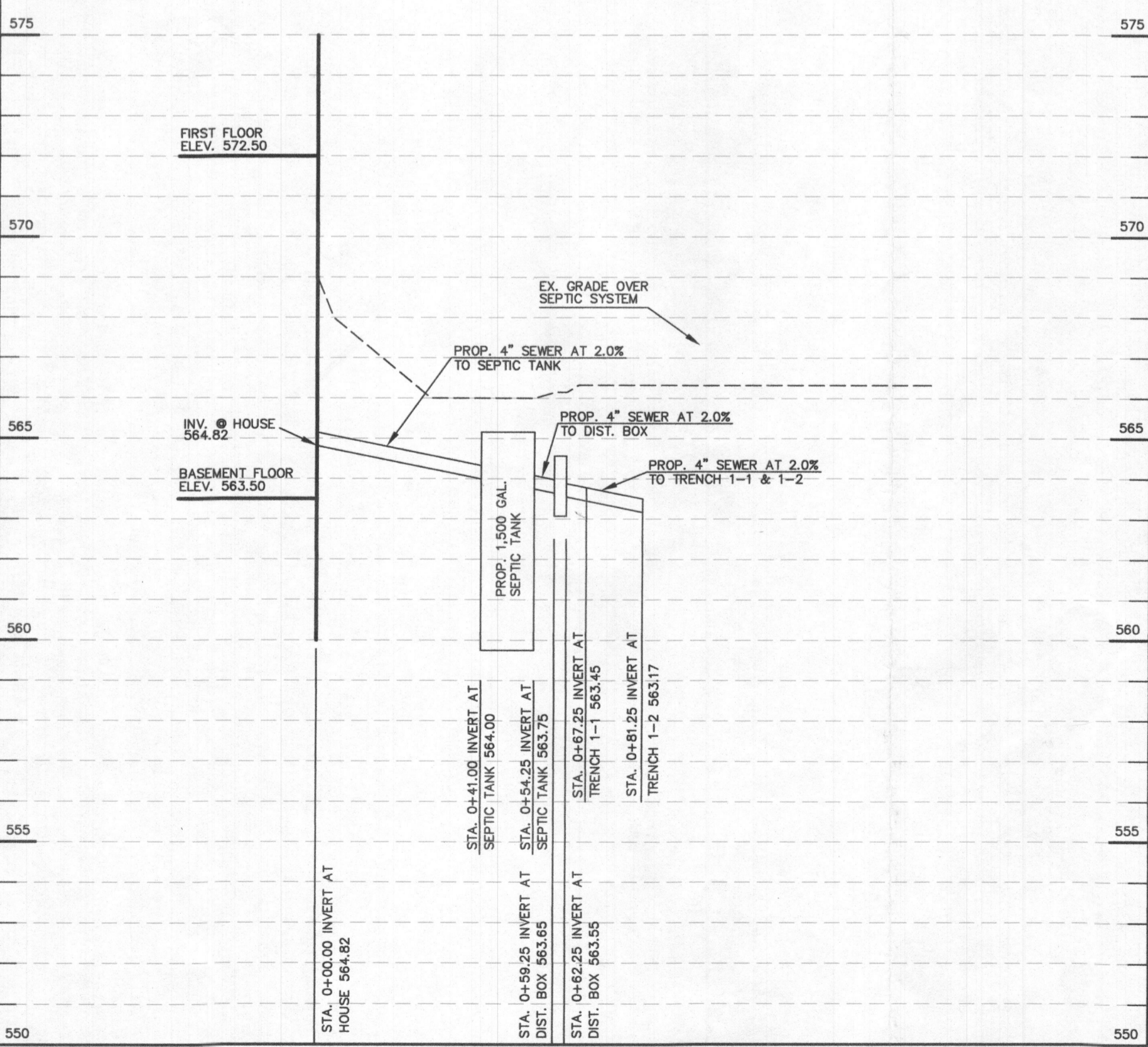
INITIAL TRENCHES	4 x 150 = 600 = 750 x 0.50/3 = 125 LINEAR FEET
0.8	
1ST REPLACEMENT TRENCHES	4 x 150 = 600 = 750 x 0.50/3 = 125 LINEAR FEET
0.8	
2ND REPLACEMENT TRENCHES	4 x 150 = 600 = 750 x 0.50/3 = 125 LINEAR FEET
0.8	

**SEPTIC SYSTEM INFORMATION**

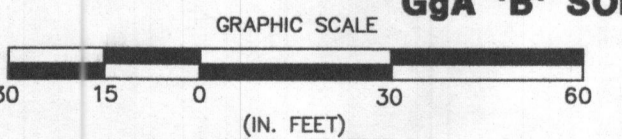
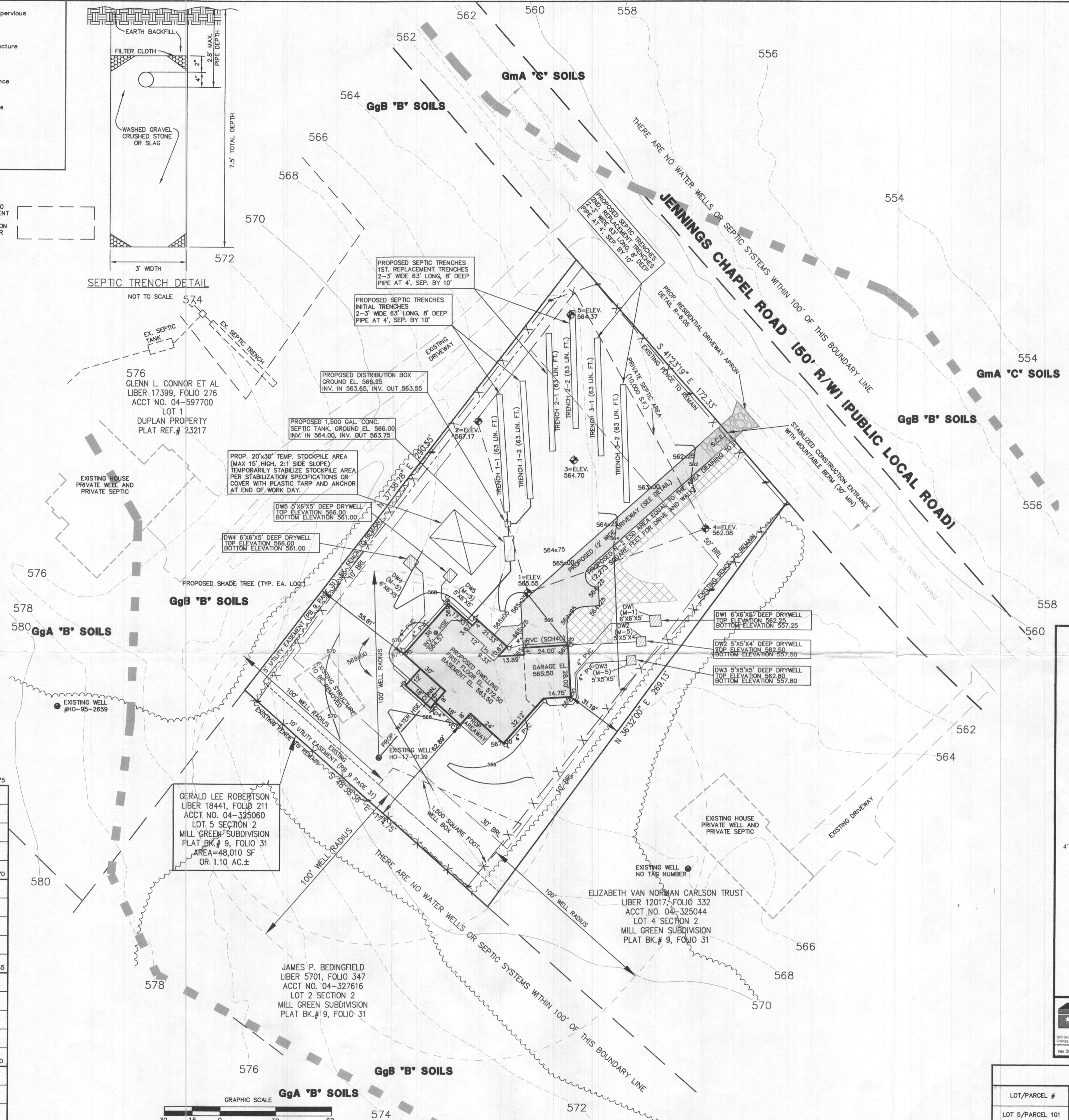
INV. OUT OF HOUSE.....	564.82
INV. IN SEPTIC TANK.....	564.00
INV. OUT OF SEPTIC TANK.....	563.75
TOP OF SEPTIC TANK.....	565.50
GROUND ELEV. OVER SEPTIC TANK.....	566.00
INV. IN DIST. BOX.....	563.65
INV. OUT OF DIST. BOX.....	563.55
GROUND ELEV. OVER DIST. BOX.....	566.10

**SEPTIC TRENCH INFORMATION**

TRENCH 1-1	63 LIN. FT.	TRENCH 2-1	63 LIN. FT.	TRENCH 3-1	63 LIN. FT.
TRENCH LENGTH		TRENCH LENGTH		TRENCH LENGTH	
GROUND ELEVATION	566.25	GROUND ELEVATION	565.00	GROUND ELEVATION	563.80
INVERT ELEVATION	563.45	INVERT ELEVATION	563.30	INVERT ELEVATION	562.30
BOTTOM ELEVATION	558.75	BOTTOM ELEVATION	557.50	BOTTOM ELEVATION	556.30
TRENCH 1-2	63 LIN. FT.	TRENCH 2-2	63 LIN. FT.	TRENCH 3-2	63 LIN. FT.
TRENCH LENGTH		TRENCH LENGTH		TRENCH LENGTH	
GROUND ELEVATION	566.00	GROUND ELEVATION	564.37	GROUND ELEVATION	563.00
INVERT ELEVATION	563.17	INVERT ELEVATION	562.87	INVERT ELEVATION	561.50
BOTTOM ELEVATION	558.50	MAX. BOTTOM ELEVATION	558.87	BOTTOM ELEVATION	556.50



**SEPTIC SYSTEM PROFILE**  
SCALE: 1" = 30' HORIZ.  
1" = 3' VERT.



"Approval for Private Water and Private Sewerage systems"  
Health Officer, Howard County Health Dept. \_\_\_\_\_ Date \_\_\_\_\_

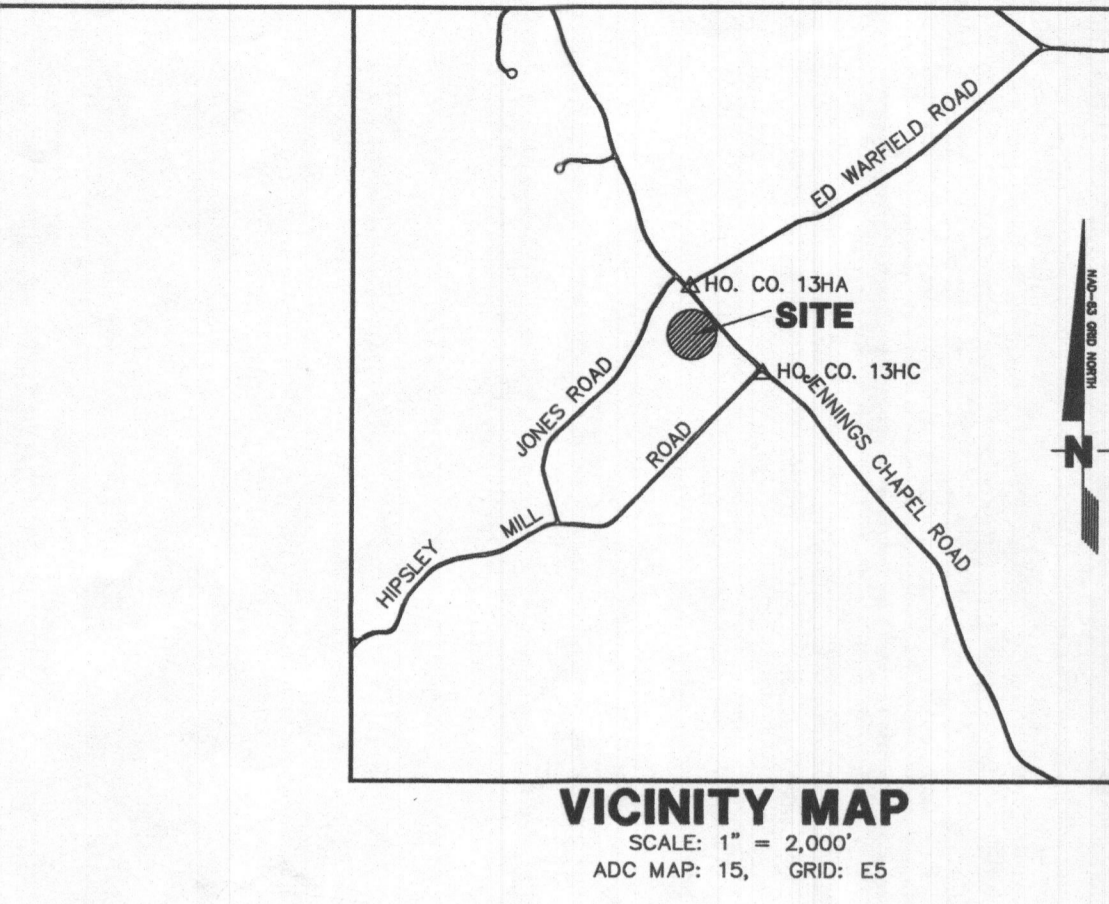
**PROFESSIONAL CERTIFICATION**  
PROFESSIONAL CERTIFICATION: I, MICHAEL J. WERNER, HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 23380, EXPIRATION DATE 8-19-20.

**M.A.F. & ASSOCIATES, LLC**  
526 HOODS MILL ROAD  
WOODBINE, MD 21797  
PHONE: 410-552-5541  
FAX: 410-552-5546  
EMAIL: MFORGEN@AOL.COM

Michael J. Werner  
Professional Engineer  
MD PE #23380

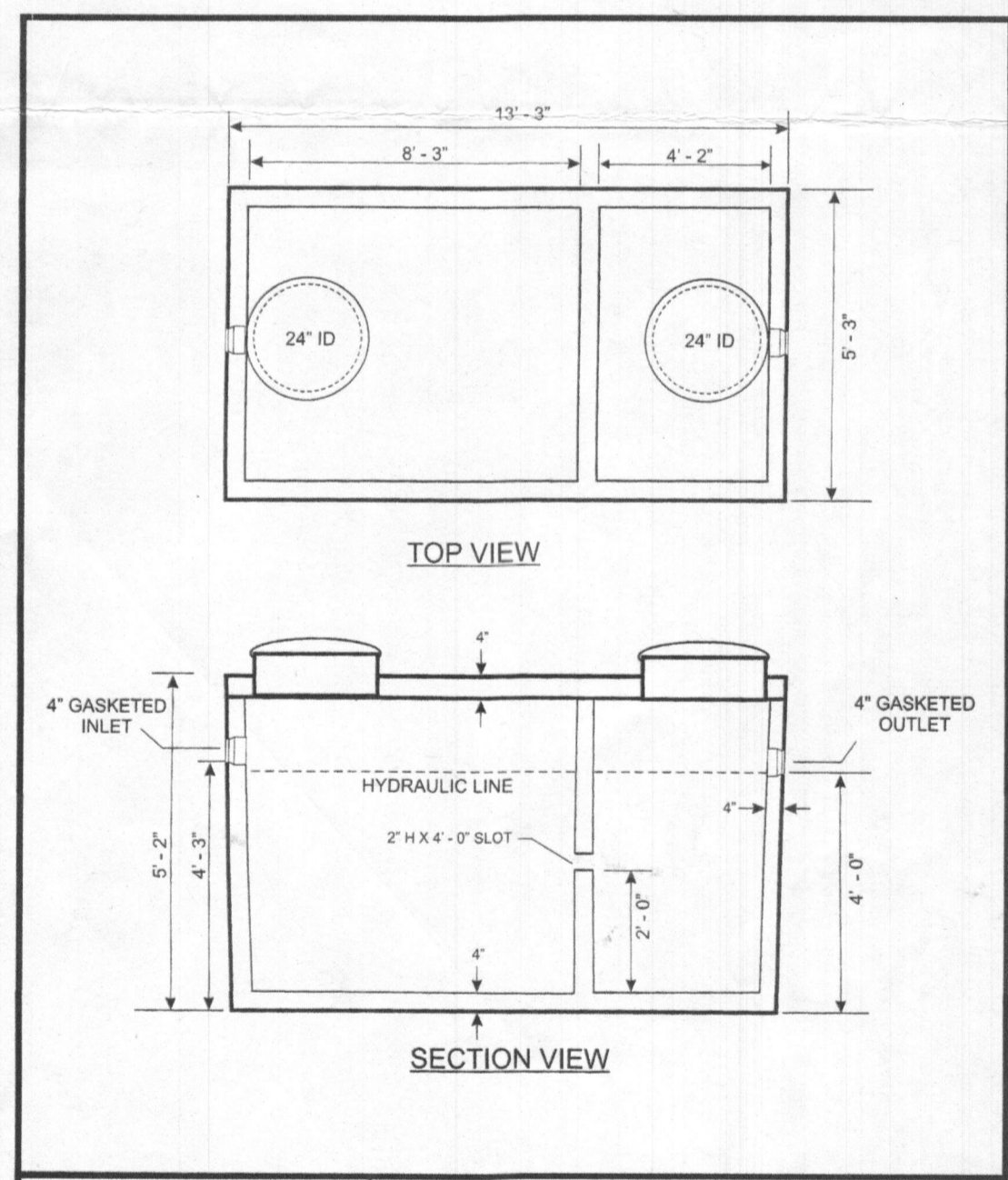
**OWNER:**  
GERALD LEE ROBERTSON  
P.O. BOX 98  
FINKSBURG, MD 21048  
PHONE: 410-446-3434  
EMAIL: ROBERTSON6501@COMCAST.NET

**DEVELOPER:**  
GERALD LEE ROBERTSON  
P.O. BOX 98  
FINKSBURG, MD 21048  
PHONE: 410-446-3434  
EMAIL: ROBERTSON6501@COMCAST.NET



- GENERAL NOTES**
- ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
  - ANY CHANGES TO THE LOCATIONS OR DEPTHS TO ANY COMPONENTS MUST BE APPROVED BY THE ENGINEER AND THE HOWARD COUNTY HEALTH DEPARTMENT PRIOR TO INSTALLATION. A REVISED SITE PLAN MAY BE REQUIRED.
  - THE MAXIMUM EARTH COVER OVER THE TANK IS 3 FEET. GREATER EARTH COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.
  - ELECTRICAL WORK FOR THE INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
  - THE EXISTING WELL (HO-17-0139) HAS BEEN FIELD LOCATED AND SHOWN ACCURATELY ON THE PLAN.
  - ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.

Approved Septic System Plan  
Howard County Health Department  
Mark Oswald 2/22/19  
Signature Date



**BAYSTAR PRECAST CORPORATION**  
1500 GALLON SEPTIC - AA 2 COMPARTMENT  
GENERAL NOTES: CONCRETE STRENGTH 4000 PSI AT 28 DAYS  
REINFORCING DETAIL: #6 @ 12" GAUGE WIRE MESH  
TOP HAS #3 BARS 6" O.C. BOTTOM HAS #3 BARS 12" O.C.

**ADDRESS CHART**

LOT/PARCEL #	STREET ADDRESS
LOT 5/PARCEL 101	3168 JENNINGS CHAPEL ROAD, WOODBINE, MD. 21797

**ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN**

**MILL GREEN SUBDIVISION LOT 5, SECTION 2 PLAT BOOK #486 SINGLE-FAMILY DWELLING**

TAX MAP 13 BLOCK 22 PARCEL 101 TAX ACCOUNT #4-325060 ZONING: RC DEO  
DATE: JANUARY 21, 2019

FOURTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND