



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](http://www.hchealth.org)

Facebook: [www.facebook.com/hocohealth](https://www.facebook.com/hocohealth)

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

RECEIPT DATE: 4/5/18

## ONSITE SEWAGE DISPOSAL SYSTEM

P 562950

APPROVAL DATE: 8/14/18 SEC

## PERMIT: CONSTRUCTION

A

PROPERTY ADDRESS: 13780 Triadelphia Mill Road

SUBDIVISION: Orndorff Property

LOT: 2

TAX ID:

CONTRACTOR: South Carroll Backhoe

EMAIL: scbackhoe@comcast.com

CONTRACTOR ADDRESS: 4410 Salem Bottom Road, Westminster, MD 21157

PHONE: 410-596-3618

PROPERTY OWNER: Robert Orndorff

EMAIL:

OWNER ADDRESS: P.O. Box 57, Dayton, MD 21036

PHONE: 410-977-8990

SEPTIC TANK SIZE (GALLONS): 1250

TANK MANUFACTURER: Maryland Concrete

PUMP MODEL: N/A

PUMP SIZE

N/A

PUMP TANK CAPACITY: N/A

DISTRIBUTION SYSTEM: ☒ GRAVITY

☐ PRESSURE DOSED

BEDROOMS: 4

APPLICATION RATE 0.8

TRENCHES:	LINEAR FEET REQUIRED: <u>158</u>	INLET DEPTH: <u>3</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>8</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>6</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:		

ISSUED BY: Dana Bernard

ISSUE DATE: 4/5/18

EXPIRATION DATE: 4/5/19

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 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 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

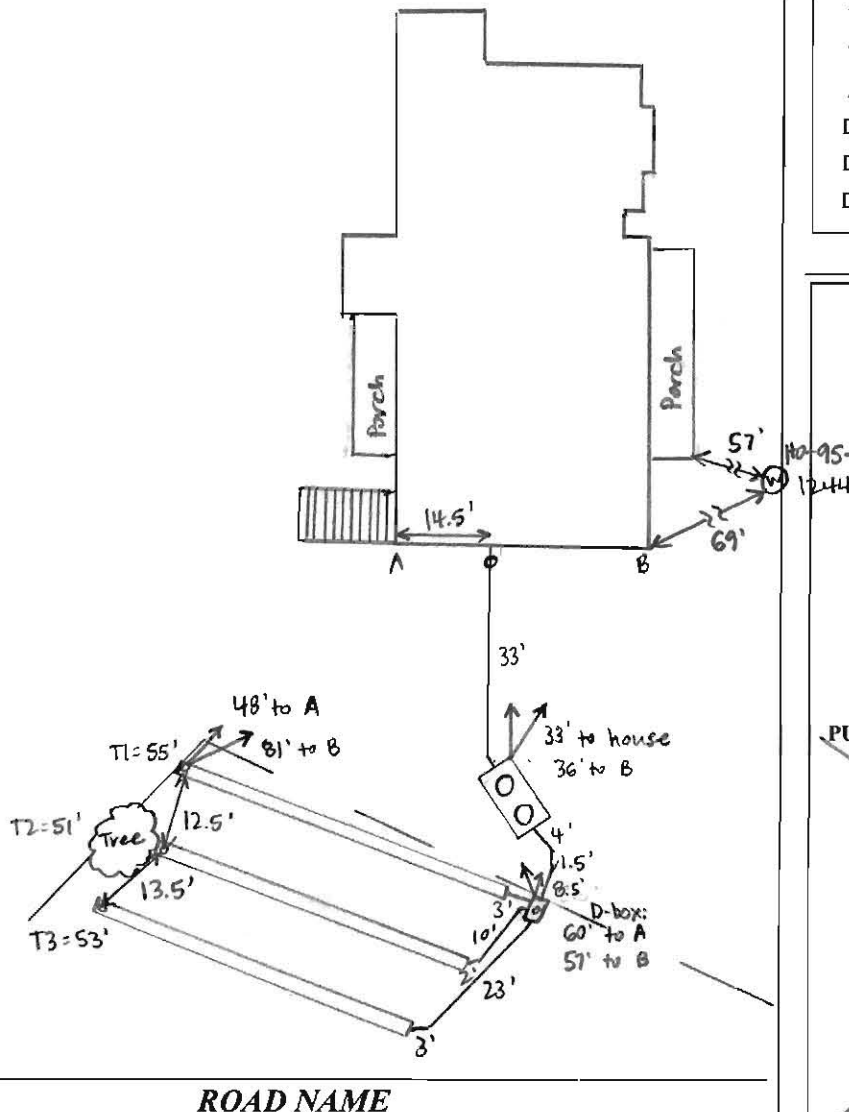
NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.

PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.

CALL 410-313-1771 TO SCHEDULE INSPECTIONS.

NOT TO SCALE

1" ≈ 30'



**TRENCH/DRAIN/FIELD DATA**

WIDTH	INLET	BOTTOM
3'	3'	8'

NUMBER OF TRENCHES 3  
 TOTAL LENGTH 159'  
 ABSORPTION AREA 477' + SIDEWALL  
 DISTRIBUTION BOX LEVEL YES  
 DISTRIBUTION BOX BAFFLE YES  
 DISTRIBUTION BOX PORT YES

**SEPTIC TANK DATA**

SEPTIC TANK 1 LEVEL YES  
 MANUFACTURER BABYLON  
 CAPACITY 2000 GAL  
 SEAM LOC TOP  
 TANK LID DEPTH 0.5-2'  
 BAFFLES YES  
 BAFFLE FILTER NO  
 MANHOLE LOC FRONT + REAR  
 6" PORT LOC NONE  
 WATERTIGHT TEST NO  
 SLOTTED YES  
 DATE ON LID 7-1-18

**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:**

7/23/18 Met S. Carroll on site for layout. SDA corner stakes present, tank not staked. House connection is on side of house closest to SDA - builder + owner on site and would like to move tank past retaining wall, >100' from well. OK to change tank location. Existing tank from old house filled with water - must be pumped by a septic hauler + filled with dirt prior to install. S. Carroll will also locate existing trench prior to layout of trenches. (SC) 8/3/18 S. Carroll exposed existing trench. Laid out 3x53' trenches on contour - OK for T1 to be 56' and T2 to be 50' to keep off tree. House connection made. (SC) 8/6/18 Tank set and connected to house. Old tank pumped + collapsed. (SC) 8/13/18 T1 complete - left open @ ends for inspection. 3' wide, 2.5' to stone. S. Carroll adding stone to T2. (SC) 8/14/18 T3 complete, left open for inspection. 3' wide, 2.5' to stone. Levelled speed levelers in D-box. (SC)

FINAL INSPECTOR Sarah Collins DATE OF APPROVAL 8/14/18



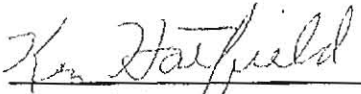
# *Hatfield's Equipment and Dedication Services, Inc.*

P.O. Box 519 • Annapolis Junction, MD 20701-0519  
Office: 301-490-4289 / 888-490-4289 • Fax: 301-490-5794

Howard County Health Department  
Attn: Dana Beard  
8930 Stanford Boulevard  
Columbia, MD 21045

Re: 13780 Triadelphia Mill Road  
Clarksville, MD 21029  
Owner Robert Orndorff

On 10/27/17 Hatfield's Equipment completed the locate and pumping of the septic tank for the above address to be demolished. All sewage was hauled to an approved dump facility.

  
Ken Hatfield, president

## FILE INQUIRY NOTES

[illegible]

## Jeremiah Reynolds

---

**From:** Robert Orndorff <rlo@rlocontractors.com>  
**Sent:** Tuesday, October 31, 2017 3:57 PM  
**To:** Jeremiah Reynolds  
**Subject:** DRAFT REDLINE  
**Attachments:** 20171031153947625.pdf

Jerimiah, This is what I would like to see. We are hauling off all dirt and will bring back Backfill material as needed.

I am trying to, Keep from destroying my grass and any disturbance on north side of house will be stabilized to tie into the existing gravel that is there.

Please take a quick look and hopefully you can knock it out this week. We are desperate to get started. I can run red lines back to Howard soils on Thursday.

PLEASE!!!!

Thanks,  
Bob

--  
**Robert Orndorff**  
*President*  
R.L.O. Contractors, Inc.  
(410) 531-2288 ext. 620  
(410) 977-8990 (c)  
[rlo@rlocontractors.com](mailto:rlo@rlocontractors.com)  
[www.rlocontractors.com](http://www.rlocontractors.com)

---

DISCLAIMER: This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to which they are addressed. If you have received this email in error please contact the sender immediately. If you are not the intended recipient, be advised you have received this email in error and any use, dissemination, forwarding, printing or copying of this email is strictly prohibited. Please note that any views or opinions presented in this email are solely those of the author and do not necessarily represent those of our company. The recipient should check this email and any attachments for the presence of viruses. Our company accepts no liability for any damage caused by any virus transmitted by this email.

---

## Williams, Jeffrey

---

**From:** Williams, Jeffrey  
**Sent:** Monday, November 06, 2017 3:08 PM  
**To:** 'Jeremiah Reynolds'; Rob Vogel  
**Cc:** Bernard, Dana  
**Subject:** RE: Young School and Orndorff and Harris Farm Lane

We looked over the plan and the file. We aren't able to justify moving the area out that far without doing additional testing on that side. Unfortunately, we can't allow movement to the other side or down the hill and the well setback prevents any help up the hill. I'm not sure if LPD helps squeeze everything in using unequal length trenches. You could try. Alternatively, you will have to go down to 3 bedrooms or do the additional testing.

---

**From:** Jeremiah Reynolds [mailto:Jeremiah.Reynolds@timmons.com]  
**Sent:** Friday, October 27, 2017 10:36 AM  
**To:** Williams, Jeffrey; Rob Vogel  
**Subject:** RE: Young School and Orndorff and Harris Farm Lane

Jeff,

Attached is an exhibit showing a rough trench layout and the approved sewage disposal area. The house is a 4 bedroom. For the Initial System, with an absorption rate of 0.8 and 3' wide trenches, a total of 158 LF of trench is required. We have provided 2 trenches of 79 LF in length, for a total of 158 LF. For the First and Second Replacement Systems, both with an absorption rate of 0.6 and 3' wide trenches, a Total of 277 LF of trench is required for each system. For the First Replacement System we provided 3 trenches of 93 LF in length, for a total of 279 LF. For the Second Replacement System we provided 4 trenches of 70 LF in length, for a total of 280 LF. As you can see, we are having to provide a rather large amount of trenching due to the poor absorption rates. And this is only for a 4 bedroom house.

**Jeremiah Reynolds**  
*Designer*

**VOGEL ENGINEERING + TIMMONS GROUP** | [www.timmons.com](http://www.timmons.com)  
8407 Main Street | Ellicott City, MD 21043  
Office: 410.461.7666 | Fax: 410.461.8961  
<https://www.linkedin.com/company/timmons-group>  
*Your Vision Achieved Through Ours*

To send me files greater than 20MB [click here](#).

---

**From:** Williams, Jeffrey [mailto:jeffwilliams@howardcountymd.gov]  
**Sent:** Friday, October 27, 2017 8:43 AM  
**To:** Rob Vogel <Rob.Vogel@timmons.com>  
**Cc:** Jeremiah Reynolds <Jeremiah.Reynolds@timmons.com>  
**Subject:** RE: Young School and Orndorff and Harris Farm Lane

I talked to Dana about the demo and we will let that go forward. Just submit a demo release request to our office or let me know if you've already done so. Why don't you send me a pdf of your trench layout with the original area to see how much it overhangs. Try to overhang on the upper and left side more than the right side and not down the hill.

---

**From:** Rob Vogel [mailto:Rob.Vogel@timmons.com]  
**Sent:** Thursday, October 26, 2017 5:29 PM

**To:** Williams, Jeffrey  
**Cc:** Jeremiah Reynolds  
**Subject:** RE: Young School and Orndorff and Harris Farm Lane

Jeff

ORNDORFF: The absorption rates are bad and we are having a problem fitting trenches for just 4 bedrooms. Is there any way we can expand enough and not perform additional testing? It seems like there is an issue expanding the existing area. Can we go 5' towards the broad swale? Should we meet to discuss?

Can Dana authorize the demo?

Thanks!!!! Rob

**Robert H. Vogel P.E.,M.ASCE**

**VOGEL ENGINEERING + TIMMONS GROUP** | [www.timmons.com](http://www.timmons.com)  
8407 Main Street | Ellicott City, MD 21043  
Office: 410.461.7666 | Fax: 410.461.8961  
<https://www.linkedin.com/company/timmons-group>  
*Your Vision Achieved Through Ours*

To send me files greater than 20MB [click here](#).

---

**From:** Williams, Jeffrey [<mailto:jewilliams@howardcountymd.gov>]  
**Sent:** Thursday, October 26, 2017 9:20 AM  
**To:** Rob Vogel <[Rob.Vogel@timmons.com](mailto:Rob.Vogel@timmons.com)>  
**Subject:** RE: Young School and Orndorff and Harris Farm Lane

1. Young school was signed yesterday afternoon. Sharhonda has it on her desk to call your office to pick up.
2. Is orndorff a tear-down/rebuild? If so, they can abandon the existing septic system whenever they want and submit the documentation to us. That's normally part of the demo permit process. If it is just an addition, it would be problematic if there was still plumbing that could be used with no system to accept the wastewater.
3. I'll check on Harris Farm. It looked like a revision came in on the 17<sup>th</sup> or so? I'll have her get it through to me.

---

**From:** Rob Vogel [<mailto:Rob.Vogel@timmons.com>]  
**Sent:** Wednesday, October 25, 2017 12:17 PM  
**To:** Williams, Jeffrey  
**Subject:** Young School and Orndorff and Harris Farm Lane

Hi Jeff

1. We have not heard that the plans are signed and ready to pick up. Could you please check?
2. We have a signed perc cert plat for Orndorff (13780 Triadelphia Road) but not a building permit yet. Can the contractor start abandoning the existing septic system?
3. We have had some issues getting Dana to sign off on the perc plat for 5435 Harris Farm Lane. I do not think there are any issues remaining but it is holding everything up. Could you please check.

Thanks, Rob

**Robert H. Vogel P.E.,M.ASCE**

**VOGEL ENGINEERING + TIMMONS GROUP** | [www.timmons.com](http://www.timmons.com)  
8407 Main Street | Ellicott City, MD 21043  
Office: 410.461.7666 | Fax: 410.461.8961  
<https://www.linkedin.com/company/timmons-group>



*Your Vision Achieved Through Ours*

To send me files greater than 20MB [click here](#).



Bureau of Environmental Health

8930 Stanford Blvd, 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)

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

**MEMORANDUM**

**TO:** Marc Stevens  
*Sent via email to [mark@stevensbuilders.com](mailto:mark@stevensbuilders.com) on 10/30/17*

**FROM:** Sarah Collins, L.E.H.S. SEC  
Howard County Health Department  
Well and Septic Program

**DATE:** October 30, 2017

**RE:** 13780 Triadelphia Mill Road  
Clarksville, MD 21029  
Map 28, Grid 19, Parcel 300  
Demolition of existing house on property

This is to advise that the Howard County Health Department recommends issuance of the demolition permit for the above referenced property.

The property has a drilled well that will serve the new house on the property. The connection to the house has been capped off and the well will remain protected during construction. The well must meet current construction and potability standards prior to issuance of a Certificate of Potability.

The property has a septic tank and trenches. The septic tank was pumped by Hatfield's Equipment and Dedication Services, Inc. on 10/27/17 and will be abandoned during construction. Documentation of the abandonment will be provided to the Health Department.

Current utility records show this parcel has no access to public utilities. Future development may require percolation testing and the development of a Percolation Certification Plan per *Howard County Code section 3.805*.

**IF ANY ADDITIONAL WELL OR SEPTIC COMPONENTS ARE FOUND DURING SITE WORK, PLEASE NOTIFY THE HOWARD COUNTY HEALTH DEPARTMENT IMMEDIATELY.**

*Cc: File*

## Wolf, Kevin

---

**From:** Mark Stevens <mark@stevensbuilders.com>  
**Sent:** Wednesday, October 25, 2017 12:47 PM  
**To:** Williams, Jeffrey  
**Cc:** Wolf, Kevin  
**Subject:** RE: 13780 Triadelphia Mill Road Clarksville MD .  
**Attachments:** Demo request form 13780 Triadelphia Mill Road\_20171025.pdf

Thanks Jeff  
I forgot about the form  
Please see attached

Mark Stevens  
410-984-7296  
4829 Ten Oaks Road, Dayton, MD 21036

**From:** Williams, Jeffrey [mailto:jewilliams@howardcountymd.gov]  
**Sent:** Wednesday, October 25, 2017 9:43 AM  
**To:** Mark Stevens <mark@stevensbuilders.com>  
**Cc:** Wolf, Kevin <KWolf@howardcountymd.gov>  
**Subject:** RE: 13780 Triadelphia Mill Road Clarksville MD .

Did you submit a demo release form to our office yet? If not, see our website for the form and send it to us.

---

**From:** Mark Stevens [mailto:mark@stevensbuilders.com]  
**Sent:** Wednesday, October 25, 2017 7:59 AM  
**To:** Williams, Jeffrey  
**Subject:** RE: 13780 Triadelphia Mill Road Clarksville MD .

Well fence up

Mark Stevens  
410-984-7296  
4829 Ten Oaks Road, Dayton, MD 21036

**From:** Mark Stevens  
**Sent:** Tuesday, October 24, 2017 4:29 PM  
**To:** 'Williams, Jeffrey' <jewilliams@howardcountymd.gov>  
**Subject:** RE: 13780 Triadelphia Mill Road Clarksville MD .

Good afternoon Jeff  
Need your help if possible getting the demo letter.  
Well has been disconnected (see pics). Septic will be abandoned when we put in new system as discussed.  
Fence will be around well tomorrow am

Thanks much

Mark Stevens  
410-984-7296  
4829 Ten Oaks Road, Dayton, MD 21036

**From:** Williams, Jeffrey [mailto:[jewilliams@howardcountymd.gov](mailto:jewilliams@howardcountymd.gov)]  
**Sent:** Friday, October 6, 2017 8:05 AM  
**To:** Mark Stevens <[mark@stevensbuilders.com](mailto:mark@stevensbuilders.com)>  
**Subject:** RE: 13780 Triadelphia Mill Road Clarksville MD .

We will review the septic design plan. That process will not hold up the demo release, we just need to approve it before building permit approval. If they didn't do it already, they need to field locate the existing septic components and show them on the septic plan to make sure they do not overlap with the proposed new trenches and that the leftover area is sufficient to fit the initial and replacement systems for the proposed house.

Strictly speaking, the only thing that will be needed to release the demo permit will be capping off the well and fencing it.

---

**From:** Mark Stevens [mailto:[mark@stevensbuilders.com](mailto:mark@stevensbuilders.com)]  
**Sent:** Thursday, October 05, 2017 4:16 PM  
**To:** Williams, Jeffrey  
**Subject:** FW: 13780 Triadelphia Mill Road Clarksville MD .

Jeff

This perk plan was approved, and I am told the new septic design is in for approval as well.  
Is this sufficient for what you mentioned in the e-mail below?

Just trying to expedite things so we can get in for demo permit

Mark Stevens  
410-984-7296  
4829 Ten Oaks Road, Dayton, MD 21036

**From:** Ken Hatfield [mailto:[khatfield@hatfieldsequipment.com](mailto:khatfield@hatfieldsequipment.com)]  
**Sent:** Wednesday, October 4, 2017 9:28 AM  
**To:** Mark Stevens <[mark@stevensbuilders.com](mailto:mark@stevensbuilders.com)>  
**Cc:** Bob Orndorff ([rlo@rlocontractors.com](mailto:rlo@rlocontractors.com)) <[rlo@rlocontractors.com](mailto:rlo@rlocontractors.com)>  
**Subject:** FW: 13780 Triadelphia Mill Road Clarksville MD .

Bob and Mark ,  
Here is the answer I got back from Jeff Williams for the well and septic.

Ken Hatfield  
Hatfield's Equipment Inc.  
PO Box 519  
Annapolis Junction, MD 20701  
301 490 4289 x 101 Office  
410 984 0101 Cell  
301 490 5794 Fax

---

**From:** Williams, Jeffrey [mailto:[jewilliams@howardcountymd.gov](mailto:jewilliams@howardcountymd.gov)]  
**Sent:** Wednesday, October 04, 2017 9:02 AM  
**To:** Ken Hatfield  
**Cc:** Bernard, Dana  
**Subject:** RE: 13780 Triadelphia Mill Road Clarksville MD .

Yes, for the well, just cap off the well line near the well. The owner will have to fence off the well for our inspection before we release the building permit or the demo permit so it doesn't get damaged during demo/construction.

For the septic, the existing components must be field located so the engineer can accurately show them on the design plan for the new septic before building permit. The old trenches are within the area for the new septic, so they need to show how they are placing the new trenches without hitting the old trenches or drywell. As far as demo, they need to pump out and abandon the old system during demo. Since they are not reusing it and they need to locate the components anyway, there's no reason not to crush/fill them during demo.

Thanks,  
Jeff

---

**From:** Ken Hatfield [mailto:[khatfield@hatfieldsequipment.com](mailto:khatfield@hatfieldsequipment.com)]  
**Sent:** Tuesday, October 03, 2017 10:01 AM  
**To:** Williams, Jeffrey  
**Subject:** 13780 Triadelphia Mill Road Clarksville MD .

Jeff ,

The homeowner is demoing the home . We have already done the perks for a new septic . The well will be used for the new house. How do we go about the demo for the well . Can Hatfield's just disconnect it at the well casing and leave the pump and all undisturbed ?

Does the septic tank need to be demoed at this time or can we do it when we install the new septic ?

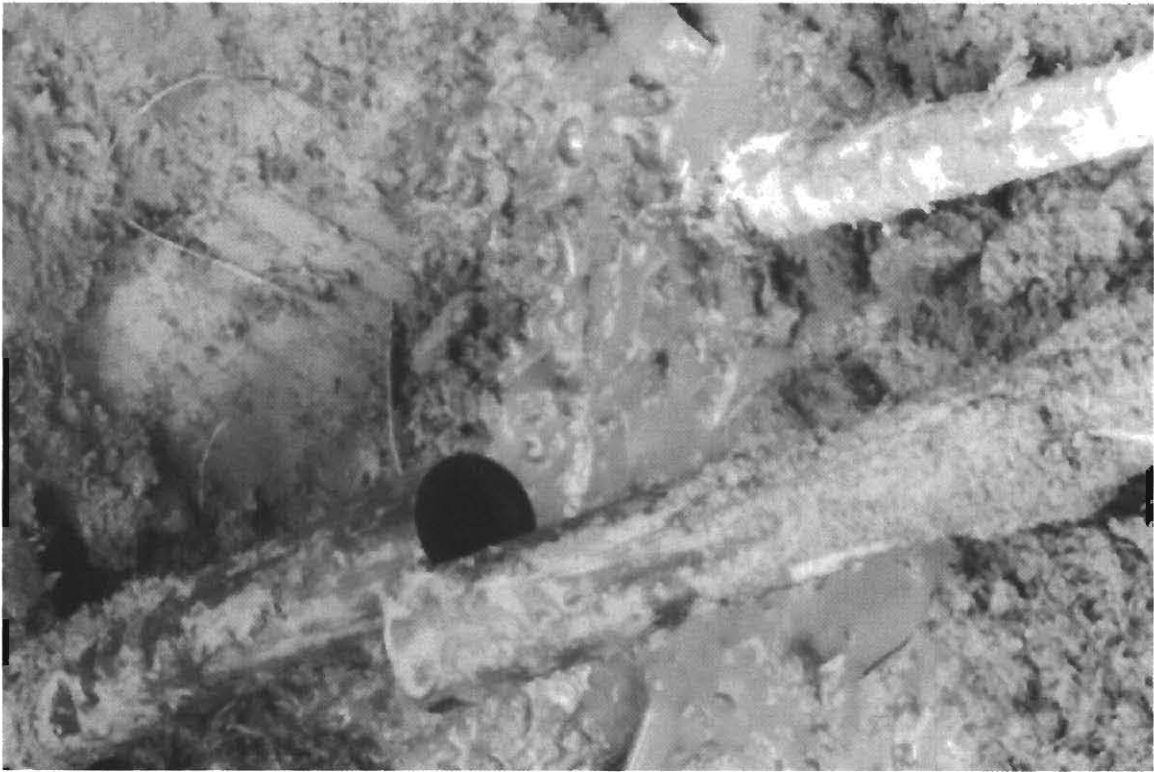
Ken Hatfield  
Hatfield's Equipment Inc.  
PO Box 519  
Annapolis Junction, MD 20701  
301 490 4289 x 101 Office  
410 984 0101 Cell  
301 490 5794 Fax



Pics supplied by Builder (mark steno) 10/25/17



Pic's supplied by builder (mark steno) 10/25/17



Pics supplied by Biddle (Mark Stuenkel)

10/25/17



**Bernard, Dana**

---

**From:** Bernard, Dana  
**Sent:** Friday, September 15, 2017 4:53 PM  
**To:** Jeremiah Reynolds <jreynolds@vogeleng.com> (jreynolds@vogeleng.com)  
**Subject:** 13780 Triadelphia Mill Road

Jeremiah,

Jeff gave me a message that you needed a copy of the septic specs for 13780 Triadelphia Mill Road . I have attached the information needed. If you have any questions don't hesitate to give me a call.

Thank you & Have a\*")  
,,\*,\*") ,,\*")  
(,,' (,,' \* Wonderful Day !

Dana Bernard, R.E.H.S/L.E.H.S.  
Environmental Specialist II  
Bureau of Environmental Health  
Well and Septic Program  
Phone (410) 313-2775  
E-mail: [DBernard@howardcountymd.gov](mailto:DBernard@howardcountymd.gov)

05- 379237

# PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

BUREAU OF ENVIRONMENTAL HEALTH

X992-2330X

ELLICOTT CITY

DISTRICT \_\_\_\_\_

DATE 7/10/86

INDEXED

7/8/84  
approved  
S. Abey

P 3733P

A REPAIR

Jack Fyock

IS PERMITTED TO INSTALL \_\_\_\_\_ ALTER X

ADDRESS \_\_\_\_\_ PHONE 988-9270

SUBDIVISION \_\_\_\_\_ ROAD 13780 Triadelphia Mill LOT \_\_\_\_\_

PROPERTY OWNER \_\_\_\_\_ Sabine

ADDRESS \_\_\_\_\_

IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 22%.

GARBAGE GRINDER? YES \_\_\_\_\_ NO \_\_\_\_\_

SEPTIC TANK CAPACITY \_\_\_\_\_ GALLONS NUMBER OF BEDROOMS \_\_\_\_\_

REPAIR - CALL FOR INSPECTION WHEN GROUND IS OPENED UP SO SANITARIAN CAN RECOMMEND REPAIR.

PLANS APPROVED BY C. Williams DATE 7/08/86

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: IF TRENCH IS USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH

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 40 PVC OR ABS.

PERMIT VOID AFTER THREE 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 PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET MANHOLE TO GRADE REQUIRED.

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

\*CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1082

3733P  
A REPAIR



approved 11/12/86 CWL

11/12/86  
3 PM

# PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

P 37853  
A \_\_\_\_\_

HOWARD COUNTY

BUREAU OF ENVIRONMENTAL HEALTH

992-2330

461-9933

ELLCOTT CITY

DISTRICT 5th

DATE 10/14/86

Robert L. Orndorff

IS PERMITTED TO INSTALL X ALTER \_\_\_\_\_

ADDRESS 7469 Flamewood Drive, Clarksville, MD 21029 PHONE 776-0444

SUBDIVISION Sabine Property ROAD 13730 Triadelphia Mill LOT 3/12

PROPERTY OWNER Robert L. Orndorff

ADDRESS \_\_\_\_\_

IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 22%.

GARBAGE GRINDER? YES X NO \_\_\_\_\_

SEPTIC TANK CAPACITY 2000 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 220 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 9 feet below original grade. Effective area begins at 4 feet below original grade. 5 feet of stone below distribution pipe.

LOCATION - Place the distribution box 155 feet from the rear (618'7") Lot line and 395 feet from the right (722.1') lot line as seen when facing the property from Triadelphia Mill Road. Run trench(s) along contour in both directions.

NOTE - No trench to exceed 100 feet in length. If more than one trench used, a distribution box is required. Call for inspection of trench(s) before and after gravel is installed. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank.

*Handwritten initials*

PLANS APPROVED BY C. Williams DATE 7/15/86

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: IF TRENCH IS USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH.

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 40 PVC OR ABS.

PERMIT VOID AFTER THREE YEARS.

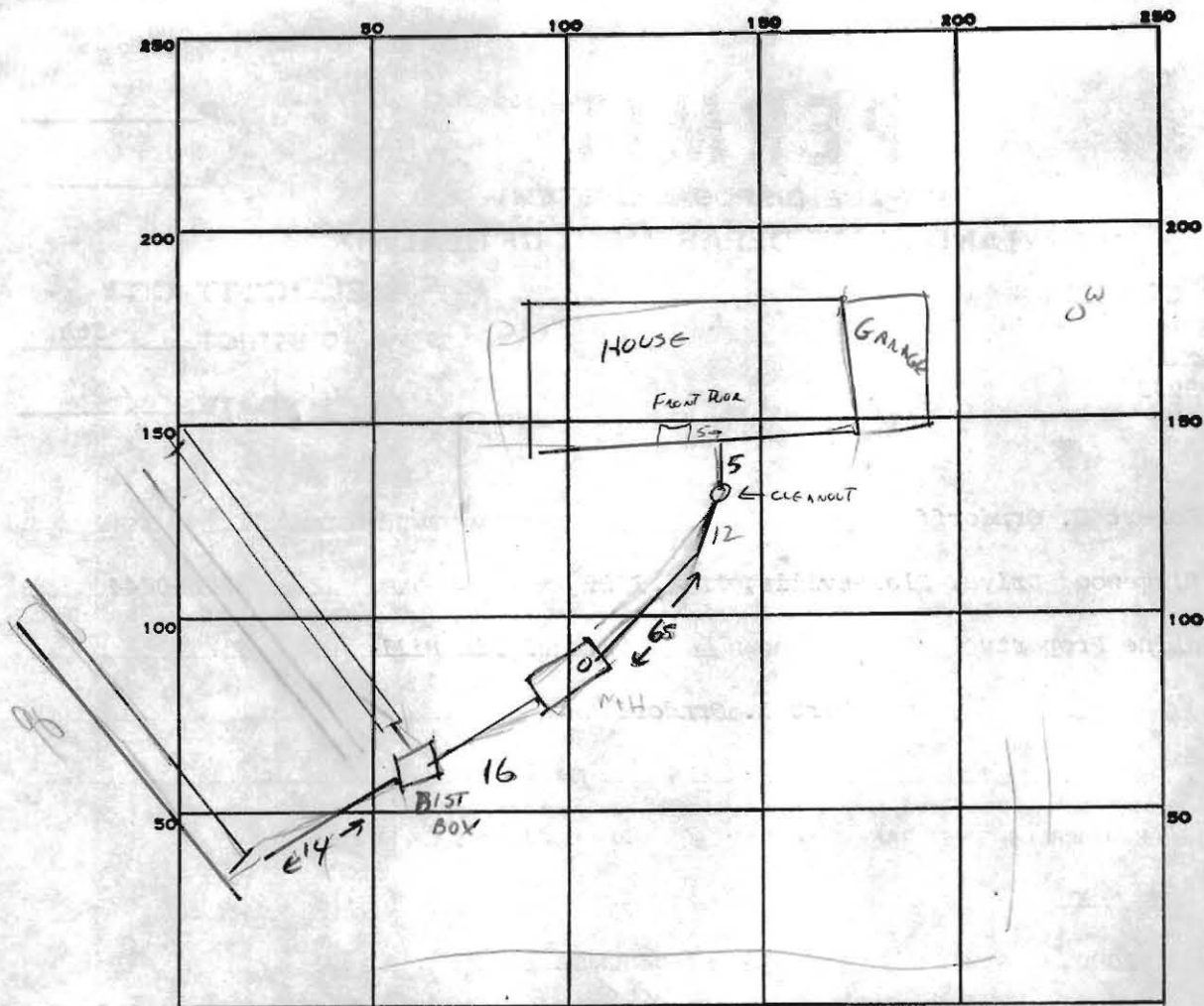
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON, CONCRETE OR TERRA COTTA, OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET MANHOLE TO GRADE REQUIRED.

DO NOT SIGN  
AND RETURNED 2/5/90  
Serial #31273  
*Perf.*

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

\*CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1082



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

PERMIT CARD ☒

SEPTIC TANK, LEVEL ☒

CLEANOUTS ☒ ST-(MANHOLE) ☒ INLINE

DISTRIBUTION BOX, LEVEL ☒

TILE FIELD, DEPTH 9 FT. TRENCH WIDTH 2 FT.

GRAVEL DEPTH 5 FT IN. TOTAL LENGTH 180 FT.

NUMBER OF TRENCHES 2 (90+90) ONE SIDEWALL TOTAL BOTTOM AREA 900

SEEPAGE PITS, INSIDE DIAMETER — FT. DEPTH BELOW INLET — FT.

ABSORBENT AREA 900 SQ. FT.

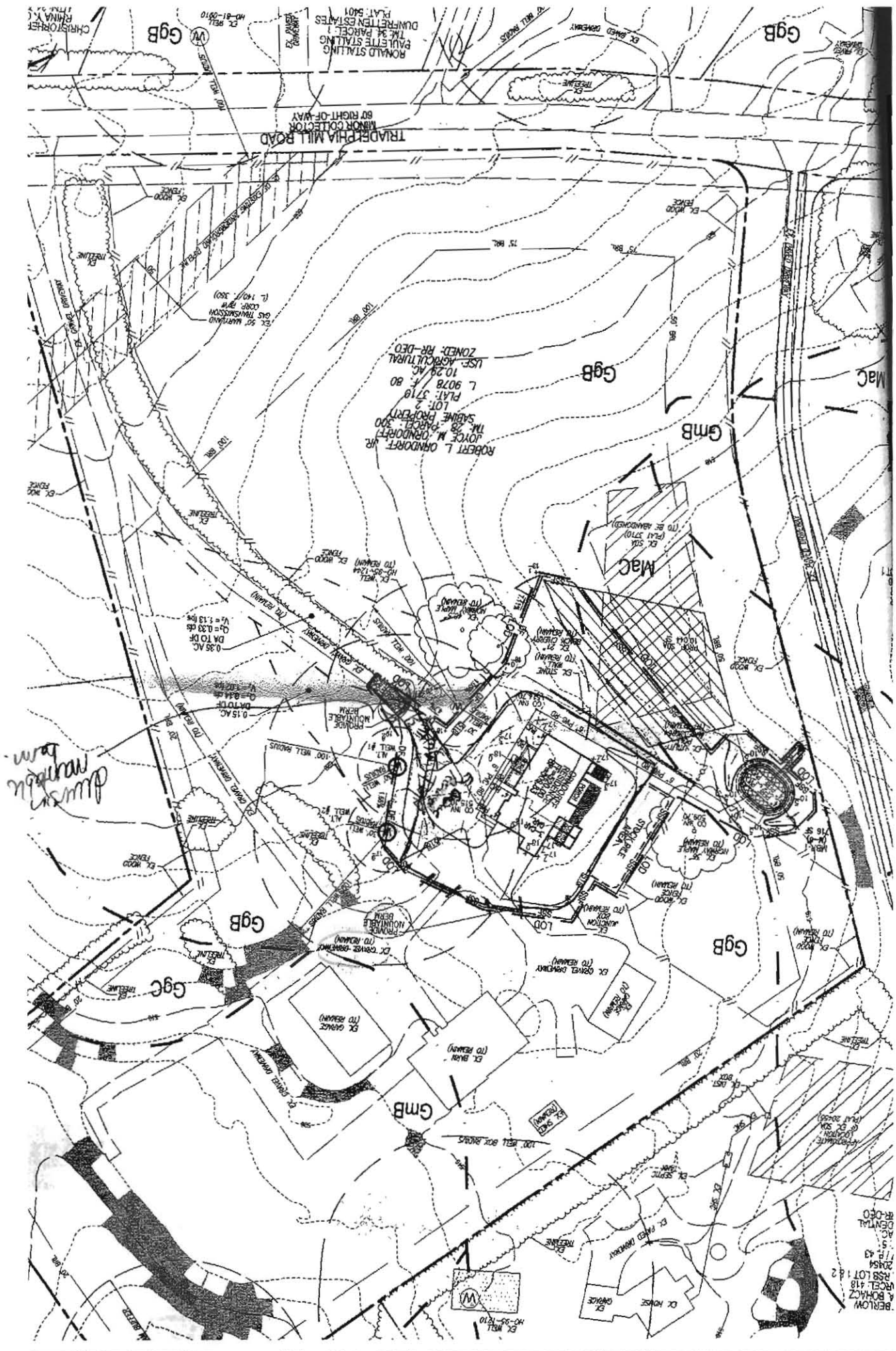
REMARKS

DATE SYSTEM APPROVED

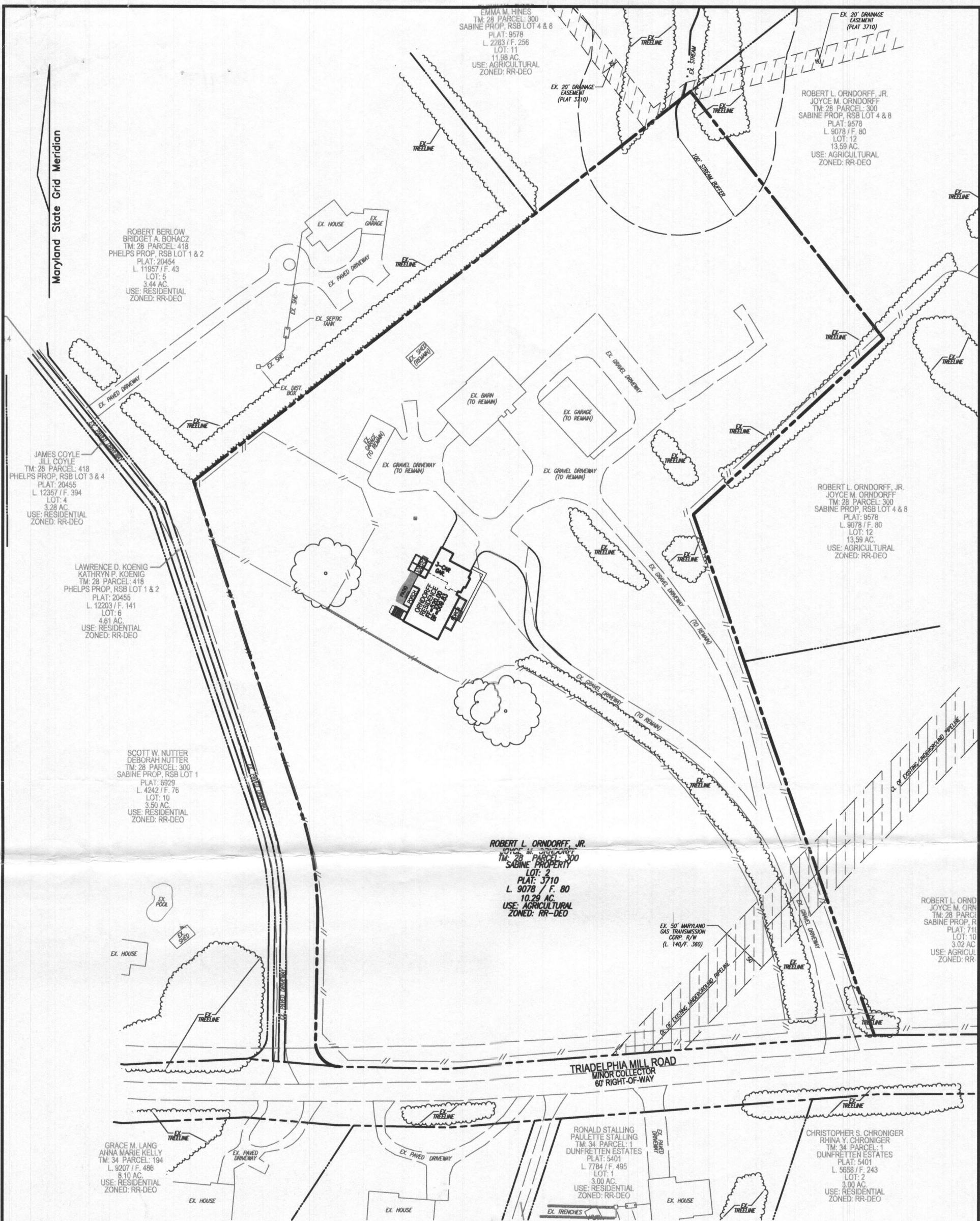
11/12/12

INSPECTOR

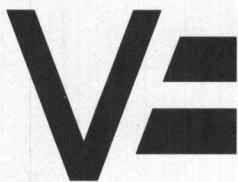
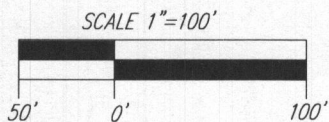
Chellian







OVERALL SITE  
SCALE: 1"=100'



**ROBERT H. VOGEL  
ENGINEERING, INC.**  
ENGINEERS • SURVEYORS • PLANNERS  
8407 MAIN STREET  
ELLICOTT CITY, MD 21043  
TEL: 410.461.7666  
FAX: 410.461.8961

**OWNER**

ROBERT L. ORNDORFF, JR.  
JOYCE M. ORNDORFF  
P.O. BOX 57  
DAYTON, MD 21036  
(410) 977-8990

**BUILDER**

STEVENS BUILDERS  
4829 TEN OAKS ROAD  
DAYTON, MD 21036  
(410) 984-7296

**PLOT PLAN**

**ORNDORFF PROPERTY  
SABINE PROPERTY - LOT 2**

13780 TRIADELPHIA MILL ROAD  
CLARKSVILLE, MD 21029  
(L. 9078 / F. 80)

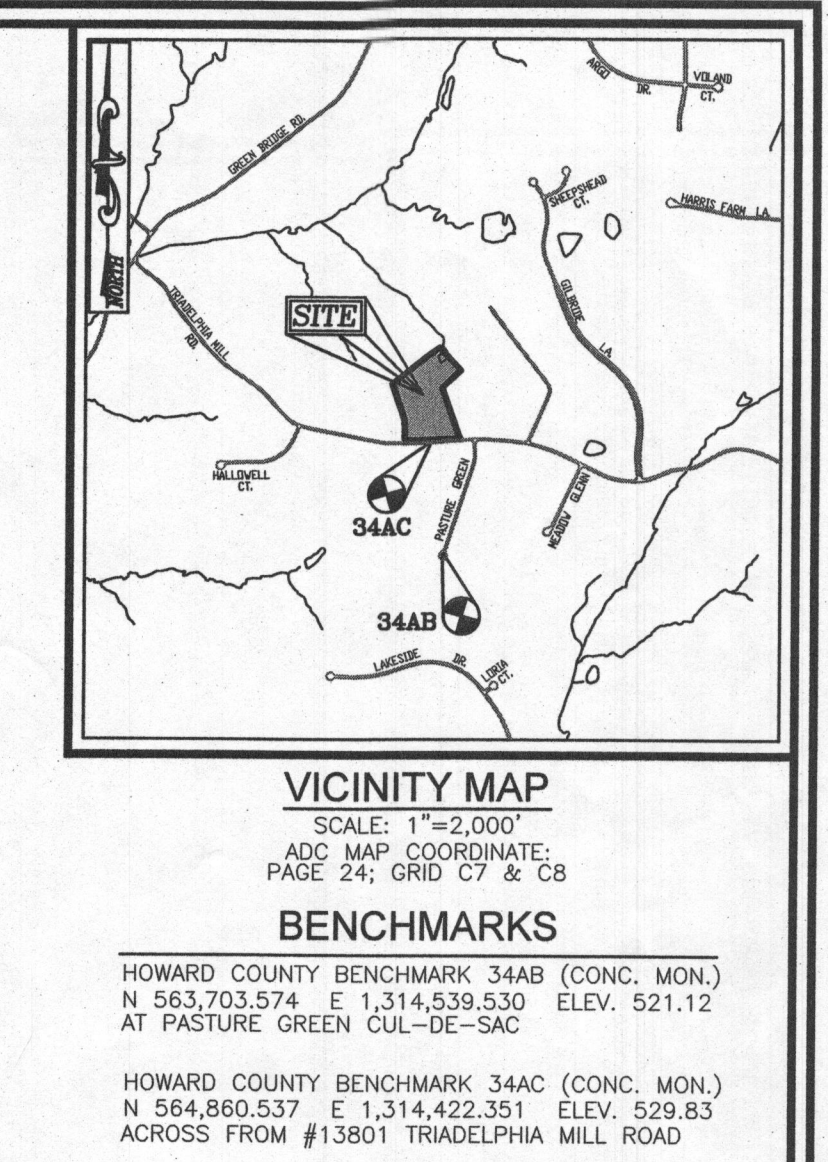
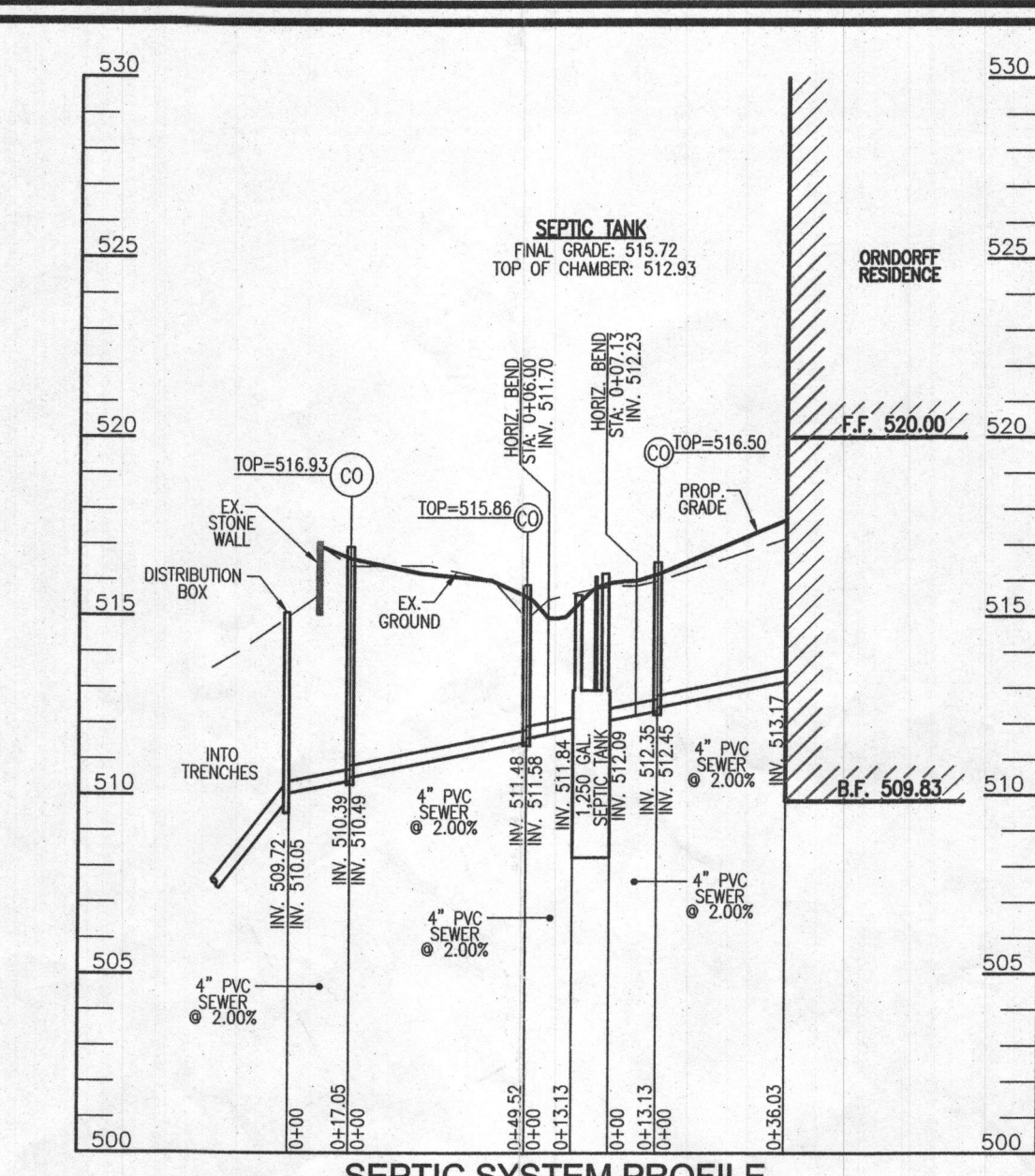
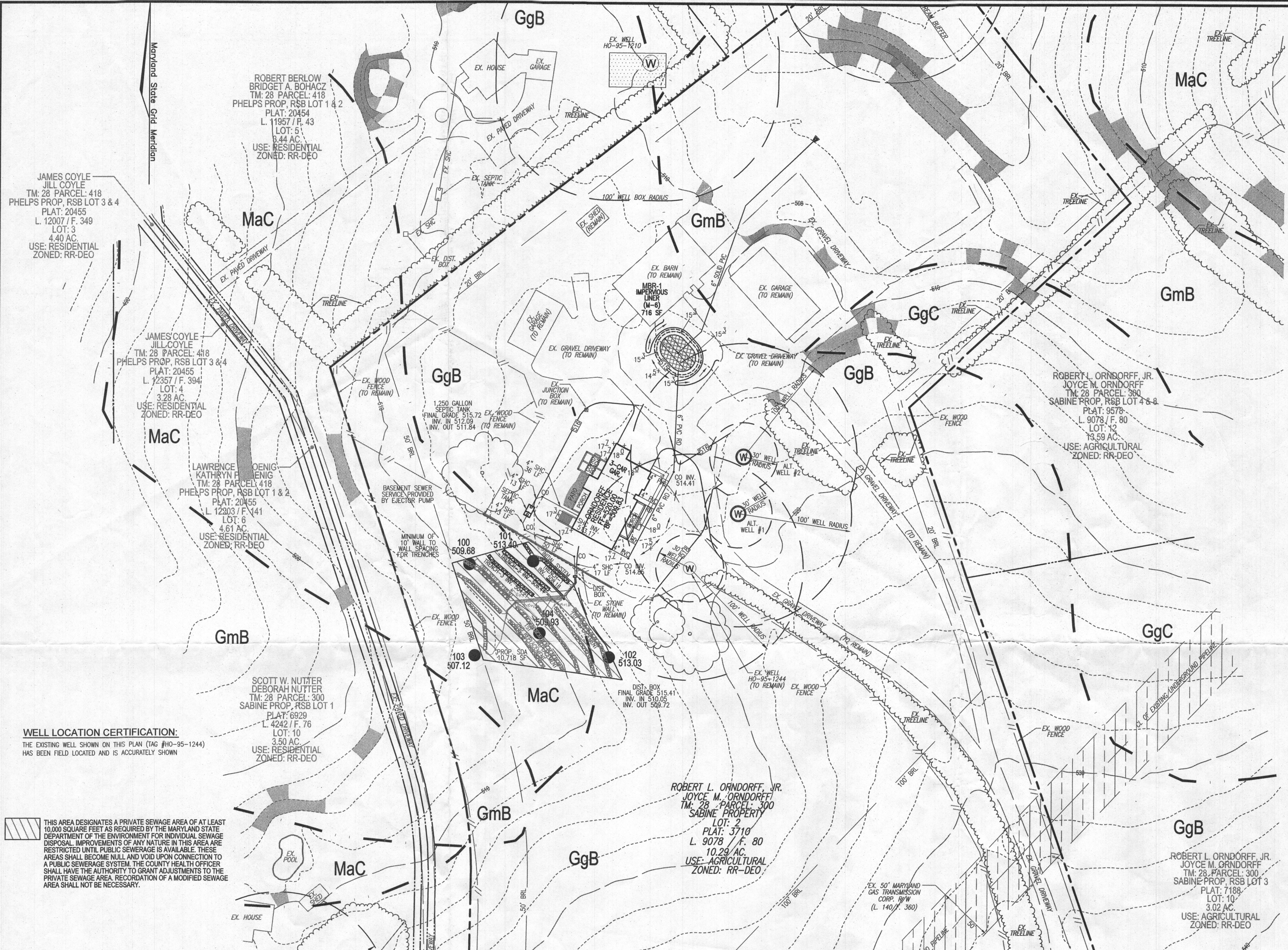
REF: GP-18-016

SCALE \_\_\_\_\_ AS SHOWN  
DRAWN BY \_\_\_\_\_ JMR  
CHECKED BY \_\_\_\_\_ RHV  
DATE \_\_\_\_\_ NOVEMBER 2017  
W. O. # \_\_\_\_\_ 17-03  
SHEET# \_\_\_\_\_ 1 OF 5

5TH ELECTION DISTRICT  
TAX MAP: 28 GRID: 19

PARCEL: 300  
ZONED: RR-DEO  
HOWARD COUNTY, MARYLAND

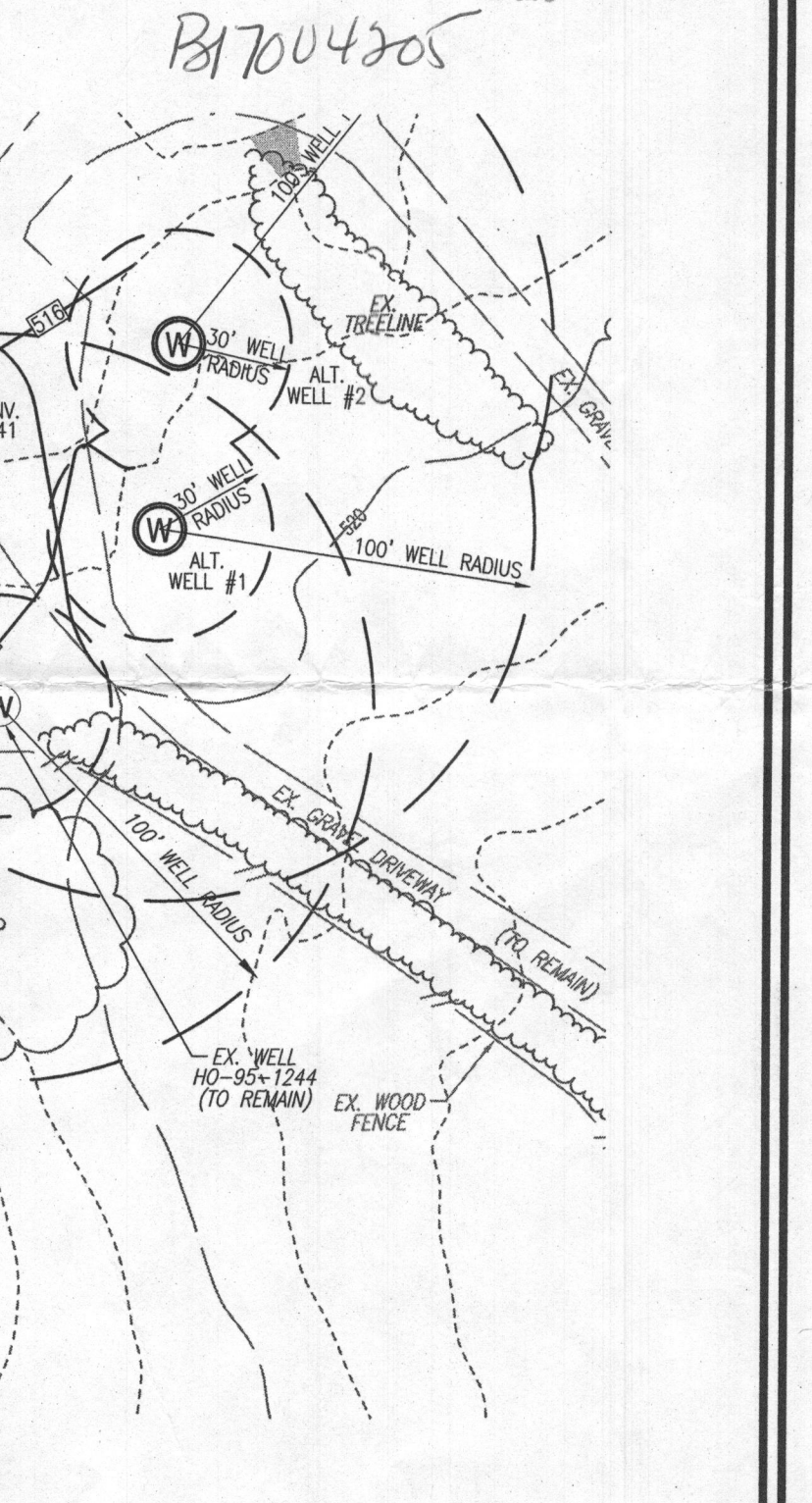




**VICINITY MAP**  
 SCALE: 1"=2,000'  
 ADC MAP COORDINATE:  
 PAGE 24, GRID C7 & C8

**BENCHMARKS**  
 HOWARD COUNTY BENCHMARK 34AB (CONC. MON.)  
 N 563,703.574 E 1,314,539.530 ELEV. 521.12  
 AT PASTURE GREEN CUL-DE-SAC

HOWARD COUNTY BENCHMARK 34AC (CONC. MON.)  
 N 564,860.537 E 1,314,422.351 ELEV. 529.83  
 ACROSS FROM #13801 TRIADOLPHIA MILL ROAD



**WELL LOCATION CERTIFICATION:**  
 THE EXISTING WELL SHOWN ON THIS PLAN (TAG #HO-95-1244)  
 HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN

THIS AREA DESIGNATES A PRIVATE SEWAGE AREA OF AT LEAST  
 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE  
 DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE  
 DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE  
 RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE  
 AREAS 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 AREA. RECORDATION OF A MODIFIED SEWAGE  
 AREA SHALL NOT BE NECESSARY.

**SYSTEM CALCULATIONS:**  
**INITIAL SYSTEM:**  
 4 BEDROOMS AT 600gpd / 0.8 ABSORPTION RATE = 750 SQ. FT.  
 750 SQ. FT. / 3 (TRENCH WIDTH) x .83 (SIDEWALL REDUCTION) = 158 LINEAR FEET  
 158 TOTAL LINEAR FEET OF TRENCH ARE PROVIDED WITH THE INITIAL SYSTEM.  
 (3 TRENCHES OF 53 FEET IN LENGTH)

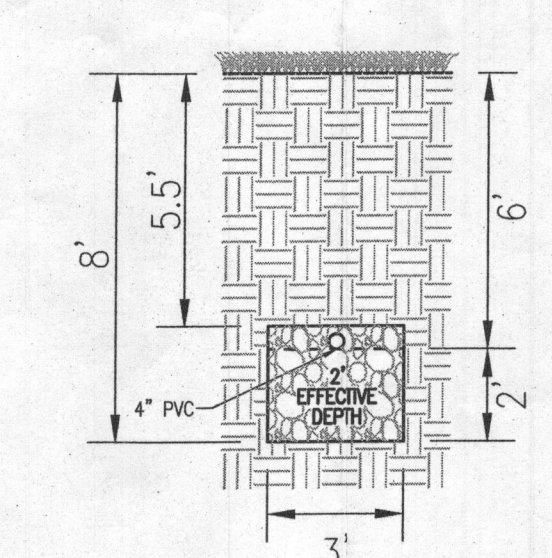
**FIRST REPLACEMENT SYSTEM:**  
 4 BEDROOMS AT 600gpd / 0.6 ABSORPTION RATE = 1,000 SQ. FT.  
 1,000 SQ. FT. / 3 (TRENCH WIDTH) x .83 (SIDEWALL REDUCTION) = 277 LINEAR FEET  
 280 TOTAL LINEAR FEET OF TRENCH ARE PROVIDED WITH THE FIRST REPLACEMENT SYSTEM.  
 (4 TRENCHES OF 70 FEET IN LENGTH)

**SECOND REPLACEMENT SYSTEM:**  
 4 BEDROOMS AT 600gpd / 0.8 ABSORPTION RATE = 750 SQ. FT.  
 750 SQ. FT. / 3 (TRENCH WIDTH) x .83 (SIDEWALL REDUCTION) = 208 LINEAR FEET  
 208 TOTAL LINEAR FEET OF TRENCH ARE PROVIDED WITH THE SECOND REPLACEMENT SYSTEM.  
 (4 TRENCHES OF 52 FEET IN LENGTH)

**GENERAL NOTES:**  
 1. ANY CHANGE 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.  
 2. THE MAXIMUM EARTH COVER OVER THE TANK IS 3 FEET. GREATER EARTH COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.  
 3. ELECTRICAL WORK FOR THE INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.  
 4. THE WELL (HO-95-1244) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.  
 5. 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.  
 6. THE EXISTING TOPOGRAPHY SHOWN HEREON IS BASED ON A FIELD RUN TOPOGRAPHICAL SURVEY PERFORMED BY ROBERT H. VOGEL ENGINEERING, INC., DATED APRIL 2017 AND SUPPLEMENTED WITH CURRENT HOWARD COUNTY GIS DATA.  
 7. ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.  
 8. EXISTING WELLS, SEPTIC SYSTEMS, AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND THOSE WELLS WITHIN 200' DOWNGRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS OR SEWAGE DISPOSAL AREAS HAVE BEEN SHOWN USING ALL REASONABLE EFFORTS.  
 9. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP, WIDTH, AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.

**INITIAL SYSTEM TRENCH INFO.**

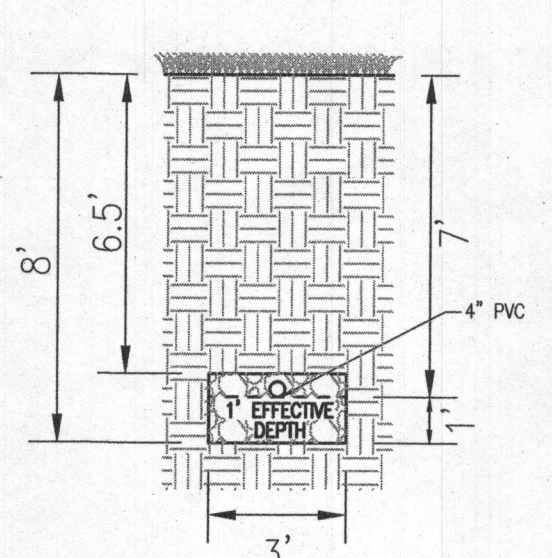
TRENCH	LENGTH	TRENCH	TRENCH	TO BOTTOM OF EXISTING GROUND
1	53'	508.18	506.18	514.18
2	53'	505.44	504.44	512.44
3	53'	504.51	503.21	511.21



**INITIAL SYSTEM TRENCH DETAIL**  
 NOT TO SCALE

**1ST REPLACEMENT TRENCH DETAIL**

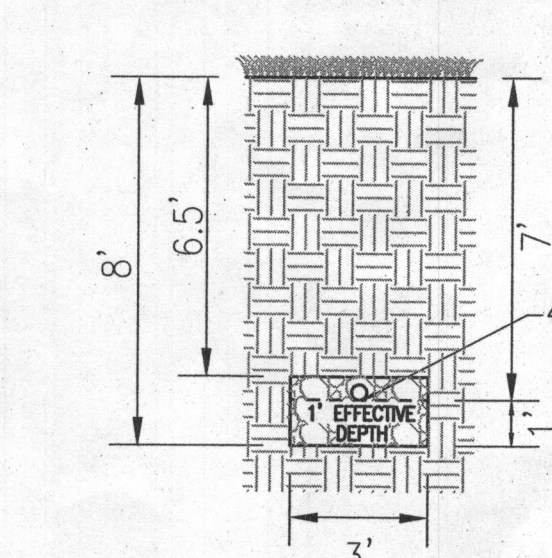
TRENCH	LENGTH	TRENCH	TRENCH	TO BOTTOM OF EXISTING GROUND
1	53'	508.18	506.18	514.18
2	53'	505.44	504.44	512.44
3	53'	504.51	503.21	511.21



**1ST REPLACEMENT TRENCH DETAIL**  
 NOT TO SCALE

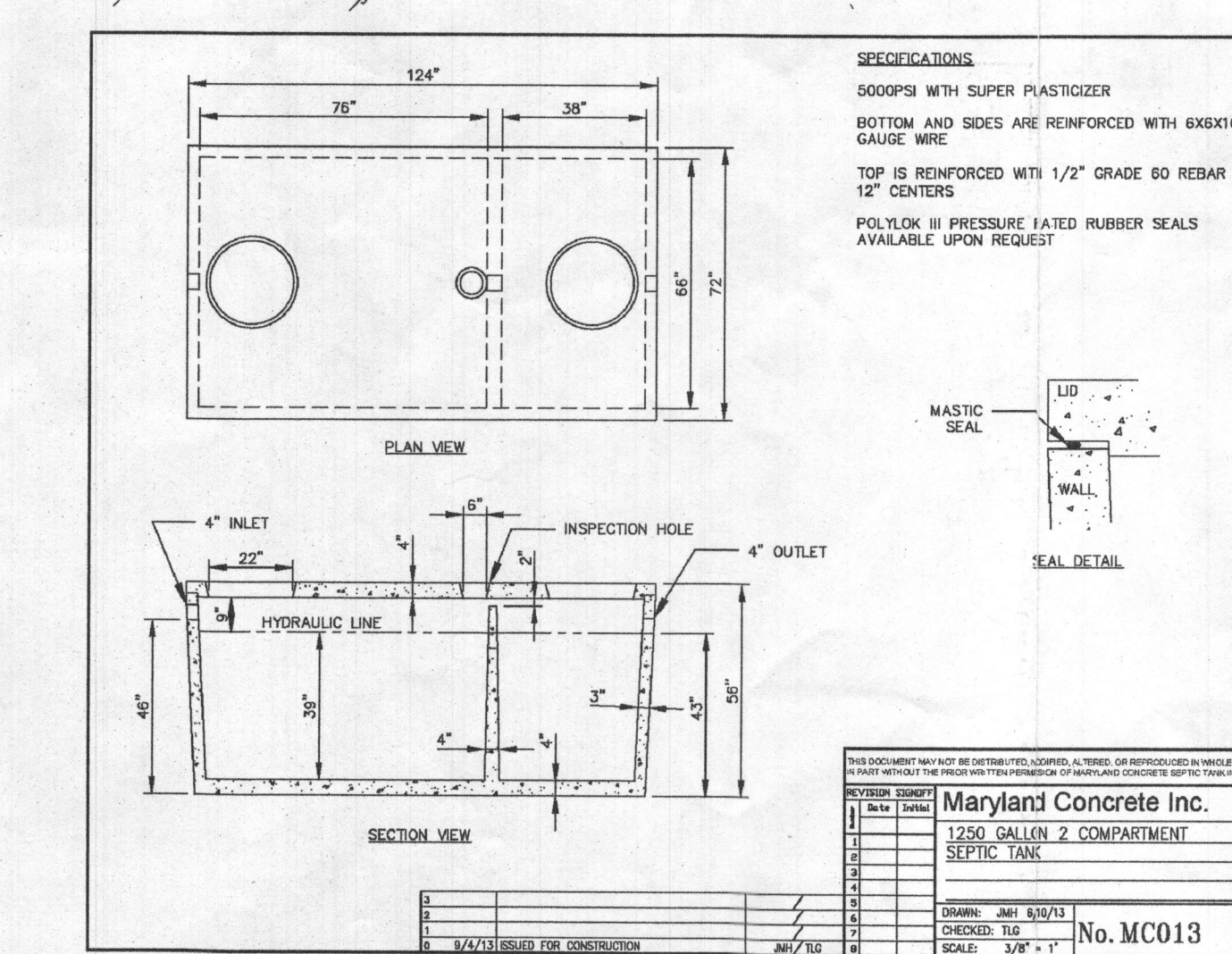
**2ND REPLACEMENT TRENCH DETAIL**

TRENCH	LENGTH	TRENCH	TRENCH	TO BOTTOM OF EXISTING GROUND
1	53'	508.18	506.18	514.18
2	53'	505.44	504.44	512.44
3	53'	504.51	503.21	511.21



**2ND REPLACEMENT TRENCH DETAIL**  
 NOT TO SCALE

- LEGEND:**
- PROPERTY LINE
  - EXISTING RIGHT-OF-WAY LINE
  - ADJACENT PROPERTY LINE
  - EXISTING EDGE OF PAVING
  - EXISTING TREELINE
  - EXISTING WOOD FENCE
  - EXISTING 10' CONTOUR
  - EXISTING 2' CONTOUR
  - SOILS
  - EXISTING STEEP SLOPES
  - EXISTING MODERATE SLOPES
  - EXISTING WELL LOCATION
  - PROPOSED ALT. WELL
  - PASSED PERC. TEST
  - EXISTING PRIVATE SDA
  - PROPOSED PRIVATE SDA



**ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN**

**ORNDORFF PROPERTY**  
**SABINE PROPERTY - LOT 2**  
 13780 TRIADOLPHIA MILL ROAD  
 CLARKSVILLE, MD 21029  
 10.29 AC.

**BUILDING PERMIT**  
 #

**OWNER/DEVELOPER**  
 ROBERT L. ORNDORFF, JR.  
 JOYCE M. ORNDORFF  
 P.O. BOX 57  
 DAYTON, MD 21035  
 (410) 977-8990

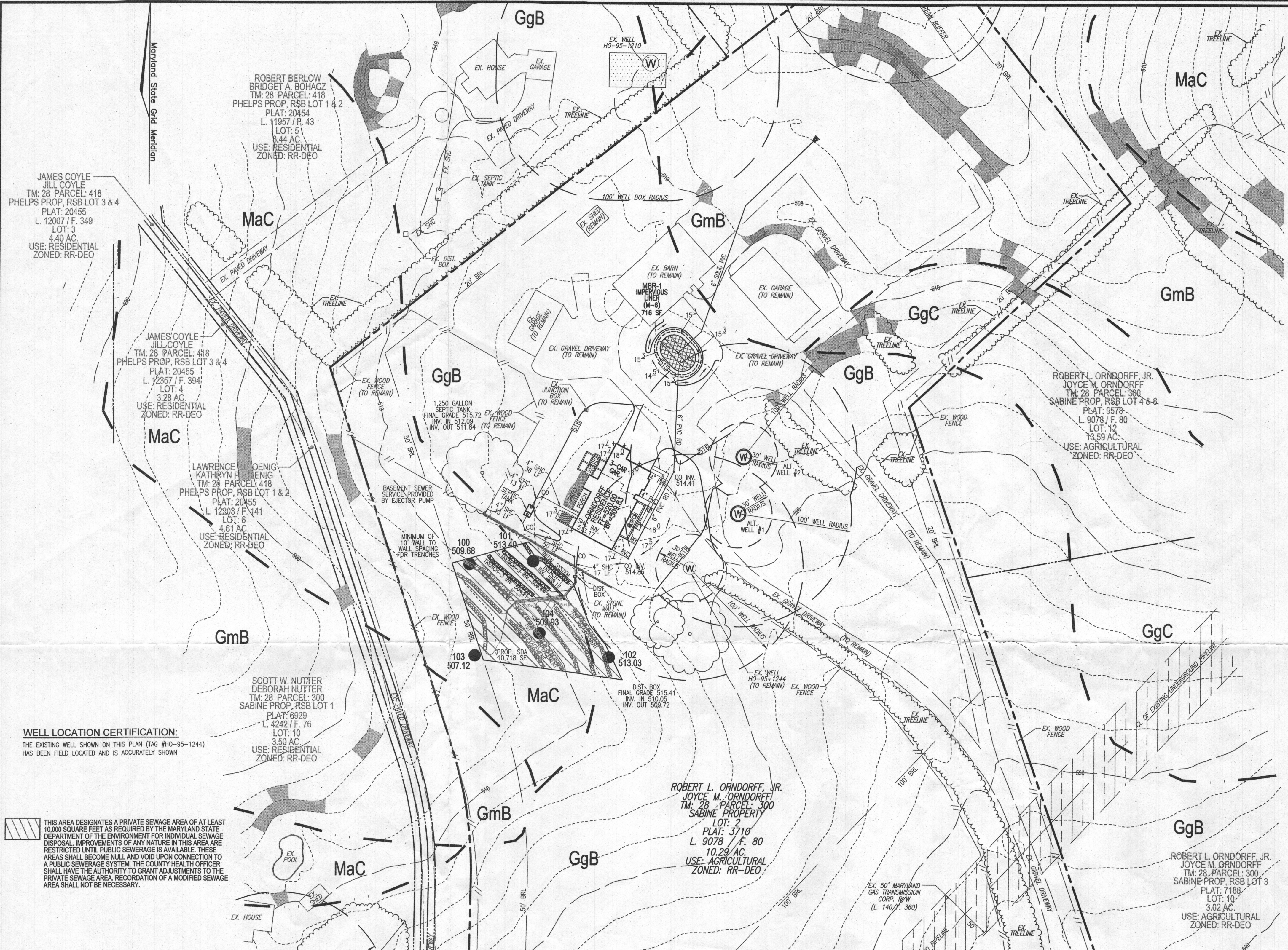
**ROBERT H. VOGEL ENGINEERING, INC.**  
 ENGINEERS • SURVEYORS • PLANNERS  
 8407 MAIN STREET  
 ELICOTT CITY, MD 21043  
 TEL: 410.461.7666  
 FAX: 410.461.8961

**DESIGN BY:** RHV  
**DRAWN BY:** JMR  
**CHECKED BY:** RHV  
**DATE:** OCTOBER 2017  
**SCALE:** AS SHOWN  
**W.O. NO.:** 17-03

**PROFESSIONAL CERTIFICATE**  
 I 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. 16183  
 EXPIRATION DATE: 08-27-2018

**1 SHEET OF 1**





**SYSTEM CALCULATIONS:**

**INITIAL SYSTEM:**  
4 BEDROOMS AT 600gpd / 0.8 ABSORPTION RATE = 750 SQ. FT.  
750 SQ. FT. / 3 (TRENCH WIDTH) x .83 (SIDEWALL REDUCTION) = 158 LINEAR FEET  
158 TOTAL LINEAR FEET OF TRENCH ARE PROVIDED WITH THE INITIAL SYSTEM.  
(3 TRENCHES OF 53 FEET IN LENGTH)

**FIRST REPLACEMENT SYSTEM:**  
4 BEDROOMS AT 600gpd / 0.6 ABSORPTION RATE = 1,000 SQ. FT.  
1,000 SQ. FT. / 3 (TRENCH WIDTH) x .83 (SIDEWALL REDUCTION) = 277 LINEAR FEET  
280 TOTAL LINEAR FEET OF TRENCH ARE PROVIDED WITH THE FIRST REPLACEMENT SYSTEM.  
(4 TRENCHES OF 70 FEET IN LENGTH)

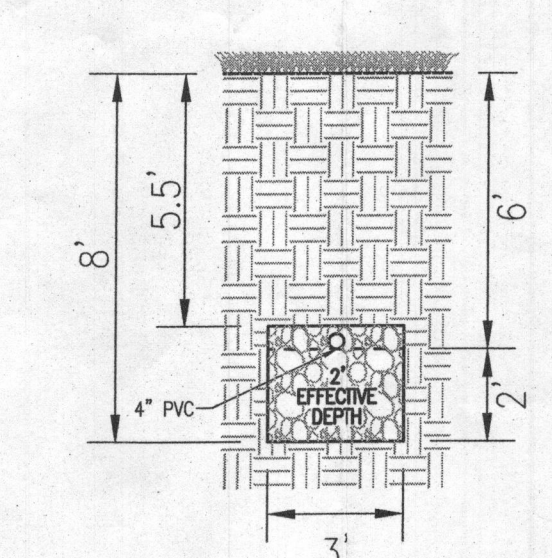
**SECOND REPLACEMENT SYSTEM:**  
4 BEDROOMS AT 600gpd / 0.8 ABSORPTION RATE = 750 SQ. FT.  
750 SQ. FT. / 3 (TRENCH WIDTH) x .83 (SIDEWALL REDUCTION) = 208 LINEAR FEET  
208 TOTAL LINEAR FEET OF TRENCH ARE PROVIDED WITH THE SECOND REPLACEMENT SYSTEM.  
(4 TRENCHES OF 52 FEET IN LENGTH)

**GENERAL NOTES:**

1. ANY CHANGE 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.
2. THE MAXIMUM EARTH COVER OVER THE TANK IS 3 FEET. GREATER EARTH COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.
3. ELECTRICAL WORK FOR THE INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
4. THE WELL (HO-95-1244) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.
5. 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.
6. THE EXISTING TOPOGRAPHY SHOWN HEREON IS BASED ON A FIELD RUN TOPOGRAPHICAL SURVEY PERFORMED BY ROBERT H. VOGEL ENGINEERING, INC., DATED APRIL 2017 AND SUPPLEMENTED WITH CURRENT HOWARD COUNTY GIS DATA.
7. ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
8. EXISTING WELLS, SEPTIC SYSTEMS, AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND THOSE WELLS WITHIN 200' DOWNGRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS OR SEWAGE DISPOSAL AREAS HAVE BEEN SHOWN USING ALL REASONABLE EFFORTS.
9. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP, WIDTH, AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.

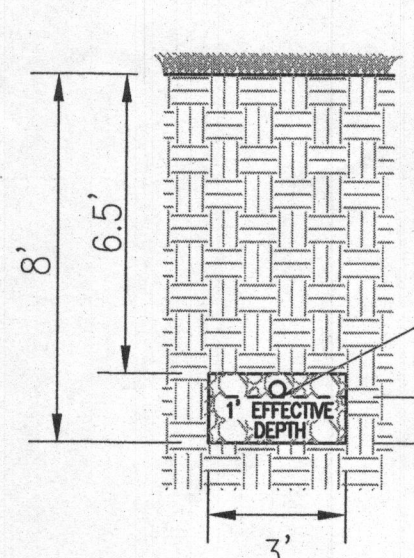
**INITIAL SYSTEM TRENCH INFO.**

TRENCH	LENGTH	TRENCH WIDTH	TOP OF TRENCH	TOP OF EXISTING GROUND
1	53'	508.18	506.18	514.18
2	53'	505.44	504.44	512.44
3	53'	504.51	503.21	511.21

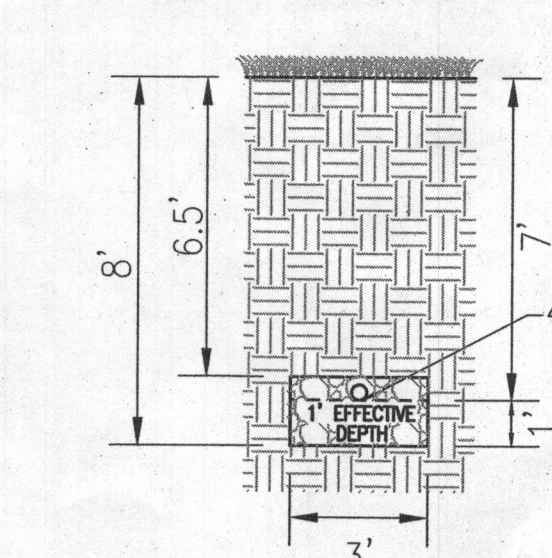


**INITIAL SYSTEM TRENCH DETAIL**  
NOT TO SCALE

**PLAN VIEW**  
SCALE: 1"=50'

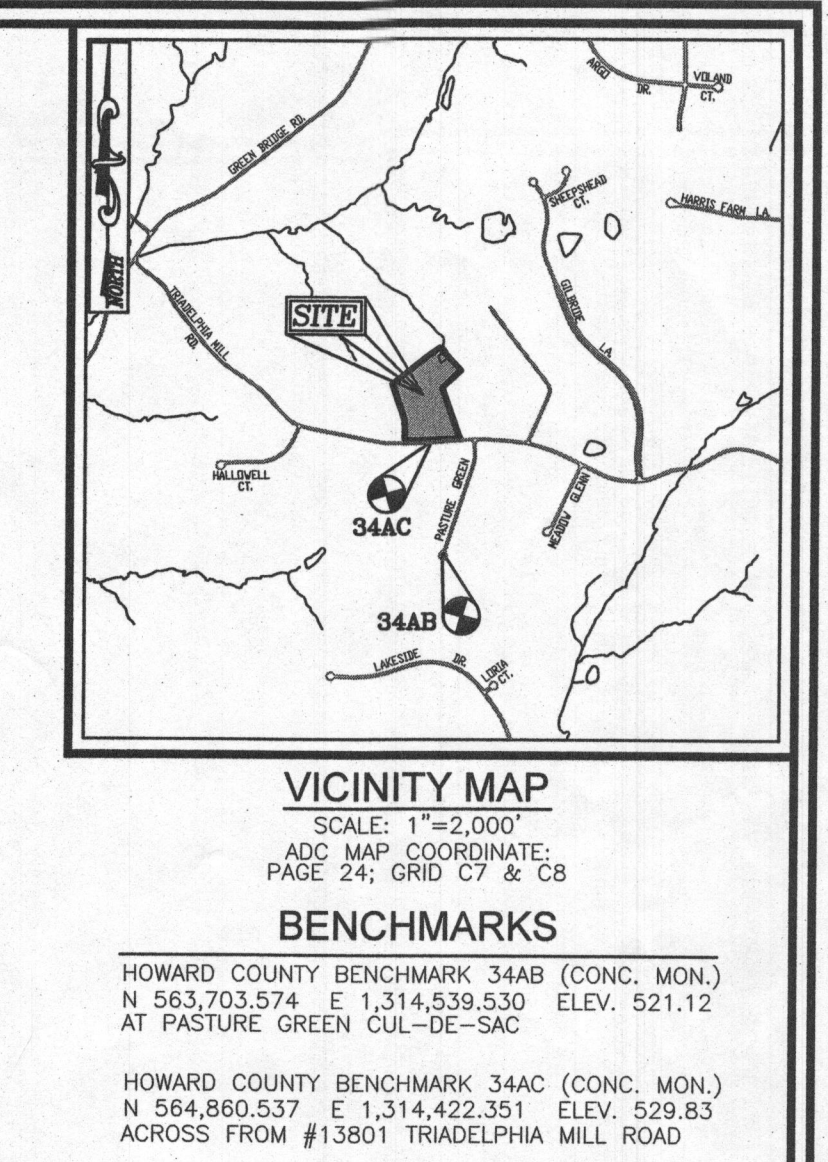
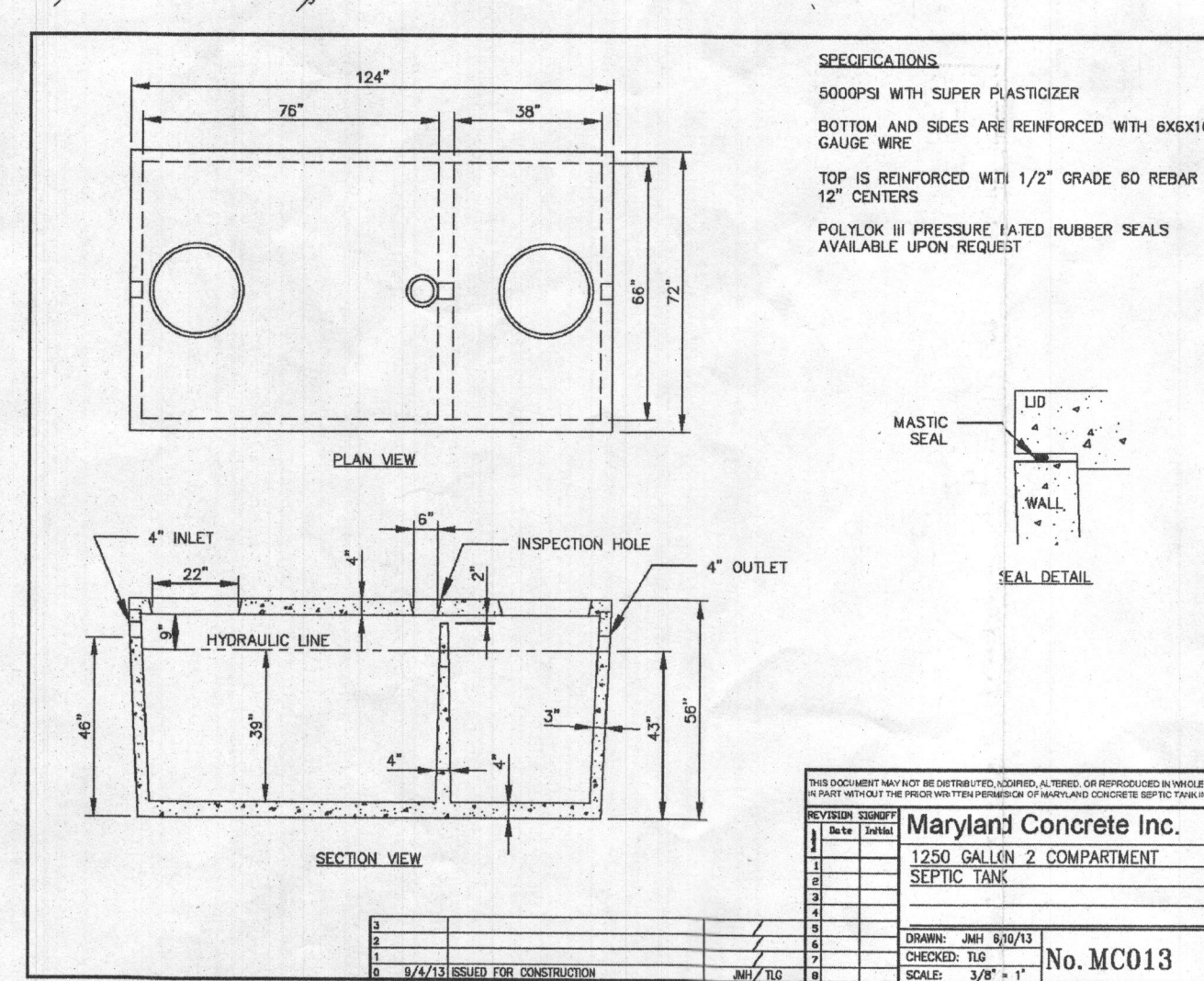
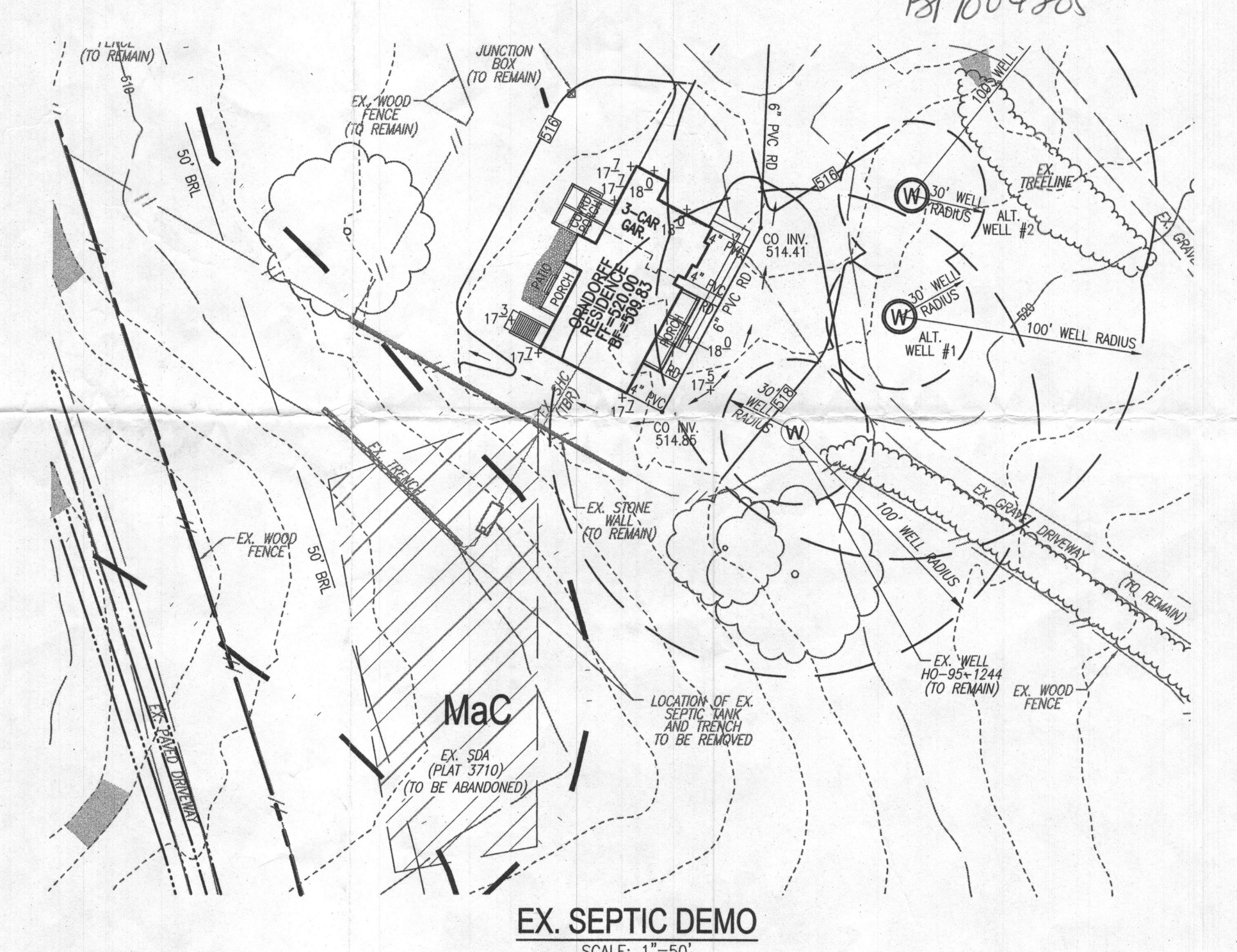
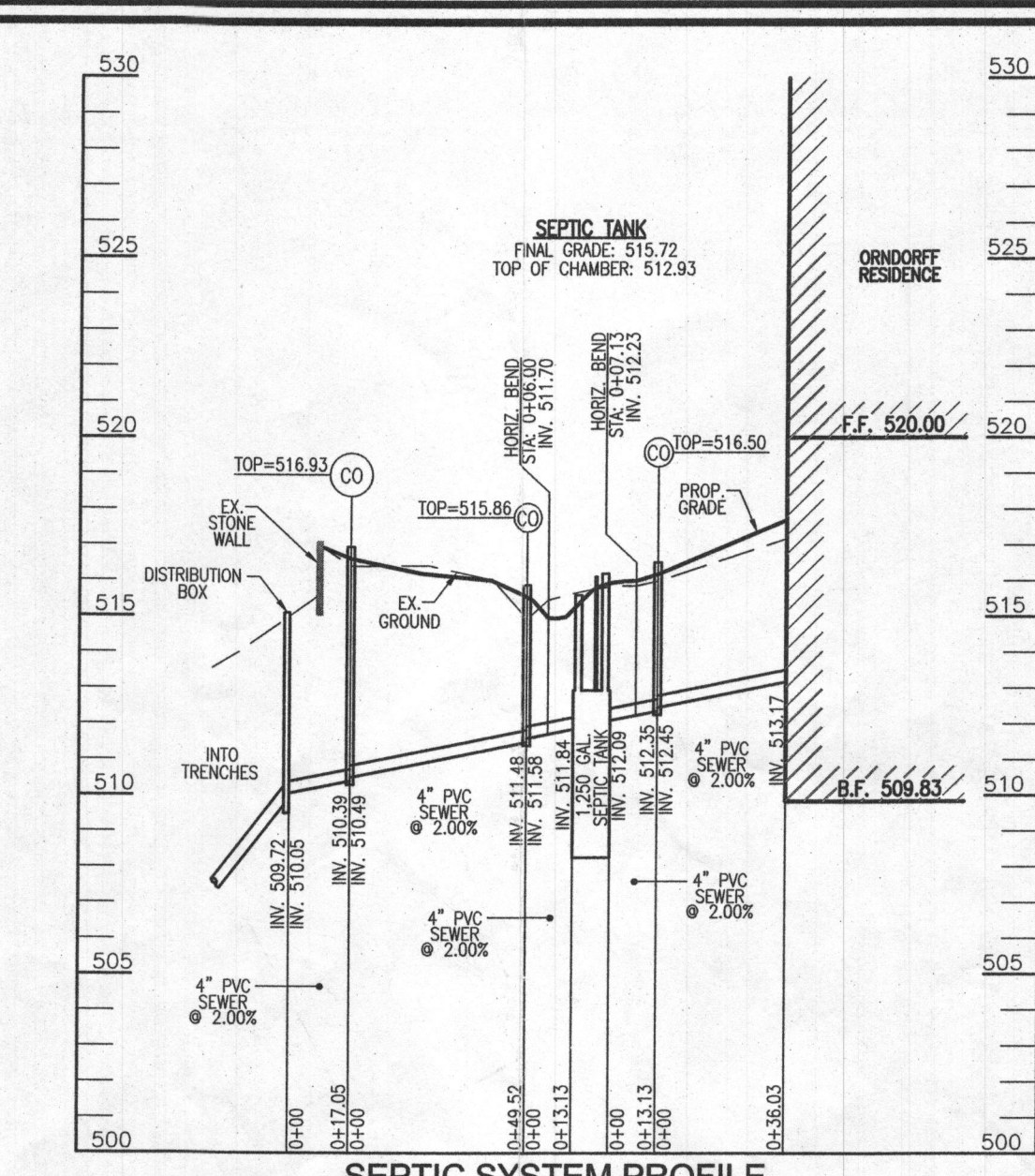


**1ST REPLACEMENT TRENCH DETAIL**  
NOT TO SCALE



**2ND REPLACEMENT TRENCH DETAIL**  
NOT TO SCALE

- LEGEND:**
- PROPERTY LINE
  - EXISTING RIGHT-OF-WAY LINE
  - ADJACENT PROPERTY LINE
  - EXISTING EDGE OF PAVING
  - EXISTING TREELINE
  - EXISTING WOOD FENCE
  - EXISTING 10' CONTOUR
  - EXISTING 2' CONTOUR
  - SOILS
  - EXISTING STEEP SLOPES
  - EXISTING MODERATE SLOPES
  - EXISTING WELL LOCATION
  - PROPOSED ALT. WELL
  - PASSED PERC. TEST
  - EXISTING PRIVATE SDA
  - PROPOSED PRIVATE SDA



Approved Septic System Plan  
Howard County Health Department  
*Kama Bernard* 1-5-17  
Signature Date  
B17004205

**ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN**

**ORNDORFF PROPERTY**  
SABINE PROPERTY - LOT 2  
13780 TRIADPHIA MILL ROAD  
CLARKSVILLE, MD 21029  
10.29 AC.

**BUILDING PERMIT**  
#

**OWNER/DEVELOPER**  
ROBERT L. ORNDORFF, JR.  
JOYCE M. ORNDORFF  
P.O. BOX 57  
DAYTON, MD 21035  
(410) 977-8990

**ROBERT H. VOGEL ENGINEERING, INC.**  
ENGINEERS • SURVEYORS • PLANNERS  
8407 MAIN STREET  
ELICOTT CITY, MD 21043  
TEL: 410.461.7666  
FAX: 410.461.8961

**DESIGN BY:** RHV  
**DRAWN BY:** JMR  
**CHECKED BY:** RHV  
**DATE:** OCTOBER 2017  
**SCALE:** AS SHOWN  
**W.O. NO.:** 17-03

**PROFESSIONAL CERTIFICATE**  
I 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. 16183, EXPIRATION DATE: 09-27-2018

**1 SHEET OF 1**



# GENERAL NOTES

1. THIS SUBJECT PROPERTY IS ZONED RR-DEO.
2. PROPERTY OUTLINE SHOWN HEREON IS BASED ON THE EXISTING PLAT AND HOWARD COUNTY GIS.
3. DEED REFERENCES: LIBER 9078 FOLIO 80.
4. THE EXISTING TOPOGRAPHY SHOWN HEREON IS BASED ON A FIELD RUN TOPOGRAPHICAL SURVEY PERFORMED BY ROBERT H. VOGEL ENGINEERING, INC., DATED APRIL 2017 AND SUPPLEMENTED WITH CURRENT HOWARD COUNTY GIS DATA.
5. SOIL TYPES SHOWN HEREON ARE FROM THE USDA WEB SOIL SURVEY.
6. ALL WELLS AND SEPTIC SYSTEMS WITHIN 100' FROM THE PROPERTY BOUNDARIES HAVE BEEN SHOWN.
7. ANY CHANGE TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
8. ADJUSTMENT TO THE SEPTIC EASEMENT AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
9. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
10. EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM THE BEST AVAILABLE INFORMATION.
11. THE PURPOSE OF THIS PERCOLATION CERTIFICATION PLAN IS TO ESTABLISH A PRIVATE SEWAGE DISPOSAL AREA FOR THE PROPERTY IN ACCORDANCE WITH THE STATE AND COUNTY CODES.
12. THE WELL AND SEPTIC AREA MUST BE PROTECTED WITH A SILT FENCE DURING CONSTRUCTION.
13. THE BUILDING PERMIT SHALL NOT BE RELEASED UNTIL:
  - A. THE EXISTING HOUSE AND GARAGE ARE RAZED.
  - B. THE EXISTING SEPTIC TANK IS PUMPED DRY AND ABANDONED AND ALL OTHER EXISTING SEPTIC COMPONENTS ARE EITHER REMOVED OR PROPERLY ABANDONED.
  - C. AS OSDS (ONSITE SEWAGE DISPOSAL SYSTEM DESIGN) PLAN IS SUBMITTED AND APPROVED, THE OSDS PLAN MUST BE ACCOMPANIED BY FLOOR PLAN DETAILS FOR THE PROPOSED RESIDENCE AT THE TIME OF SUBMISSION.
14. THE EXISTING TANK AND TRENCH MUST BE LOCATED AND SHOWN ON THE OSDS PLAN. PROPOSED TRENCHES FOR THREE SYSTEMS TO SERVE THE PROPOSED HOUSE MUST BE SHOWN TO FIT IN THE REMAINING AREA OR THE SDA MAY NEED TO BE REVISED. ADDITIONAL PERCOLATION TESTING MAY BE REQUIRED IN ORDER TO SERVE SDA.

NOTE:  
THE PURPOSE OF THIS PERCOLATION CERTIFICATION REVISION PLAN IS TO EXPAND THE PREVIOUSLY APPROVED SEWAGE DISPOSAL AREA TO ALLOW FOR MORE TRENCHING AREA.

SOILS LEGEND				
SYMBOL	NAME / DESCRIPTION	GROUP	K-FACTOR	ERODIBLE
GgA	GLENELG LOAM, 0 TO 3 PERCENT SLOPES	B	.28	NO
GgB	GLENELG LOAM, 3 TO 8 PERCENT SLOPES	B	.24	NO
GgC	GLENELG LOAM, 8 TO 15 PERCENT SLOPES	B	.24	NO
GmB	GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES	C/D	.37	YES
GmC	GLENVILLE-BAILE SILT LOAMS, 0 TO 8 PERCENT SLOPES	C	.43	YES
MaC	MANOR LOAM, 8 TO 15 PERCENT SLOPES	B	.28	NO
MaD	MANOR LOAM, 15 TO 25 PERCENT SLOPES, VERY ROCKY	B	.28	YES

~SOILS INFORMATION FROM USDA WEB SOIL SURVEY WEBSITE  
~HOWARD COUNTY SOILS MAP NUMBER 16 - CLARKSVILLE NW

NOTE:  
HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15 PERCENT OR THOSE SOILS WITH A SOIL ERODIBILITY FACTOR K GREATER THAN 0.35 AND WITH A SLOPE GREATER THAN 5 PERCENT

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS.

*Barbara Marie Kelly*  
COUNTY HEALTH OFFICER

12/20/2017  
DATE

PERCOLATION CERTIFICATION:

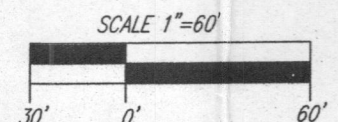
I CERTIFY THAT THE LOCATIONS SHOWN HEREON ARE BASED ON FIELD LOCATIONS DONE UNDER MY DIRECT SUPERVISION, AND ARE CORRECT, TO THE BEST OF MY PROFESSIONAL KNOWLEDGE AND BELIEF.

*Eric David Salmi*  
ERIC DAVID SALMI  
PROFESSIONAL LAND SURVEYOR, MD REG. NO. 21639

12/12/2017  
DATE

## PLAN SCALE

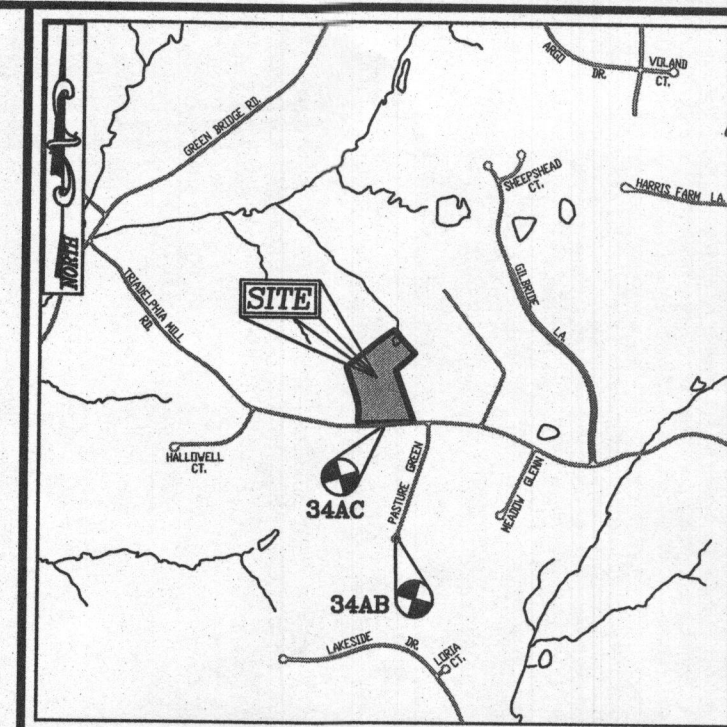
SCALE: 1"=60'



## BENCHMARKS

HOWARD COUNTY BENCHMARK 34AB (CONC. MON.)  
N 563,703.574 E 1,314,539.530 ELEV. 521.12  
AT PASTURE GREEN CUL-DE-SAC

HOWARD COUNTY BENCHMARK 34AC (CONC. MON.)  
N 564,860.537 E 1,314,422.351 ELEV. 529.83  
ACROSS FROM #13801 TRIADELPHIA MILL ROAD



## VICINITY MAP

SCALE: 1"=2,000'  
ADC MAP COORDINATE:  
PAGE 24; GRID C7 & C8

## LEGEND:

- PROPERTY LINE
- EXISTING RIGHT-OF-WAY LINE
- ADJACENT PROPERTY LINE
- EXISTING EDGE OF PAVING
- EXISTING TREELINE
- EXISTING WOOD FENCE
- EXISTING 10' CONTOUR
- EXISTING 2' CONTOUR
- SOILS
- EXISTING STEEP SLOPES
- EXISTING MODERATE SLOPES
- EXISTING WELL LOCATION
- PROPOSED ALT. WELL
- PASSED PERC. TEST
- EXISTING PRIVATE SDA
- PROPOSED PRIVATE SDA
- PROPOSED PRIVATE SDA AREA TO BE ADDED

THIS AREA DESIGNATES A PRIVATE SEWAGE AREA OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE AREAS 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 AREA. RECONSTRUCTION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.

## OWNER/DEVELOPER

ROBERT L. ORNDORFF, JR.  
JOYCE M. ORNDORFF  
P.O. BOX 57  
DAYTON, MD 21036  
(410) 977-8990

NO.	REVISION	DATE

## PERCOLATION CERTIFICATION REVISION PLAN

### ORNDORFF PROPERTY

SABINE PROPERTY, LOT 2  
13780 TRIADELPHIA MILL ROAD  
CLARKSVILLE, MD 21029  
10.29 AC.

L. 9078 / F. 80  
5TH ELECTION DISTRICT  
TAX MAP: 28 GRID: 19

PARCEL: 300  
ZONED: RR-DEO  
COUNTY: MARYLAND

**ROBERT H. VOGEL ENGINEERING, INC.**  
ENGINEERS • SURVEYORS • PLANNERS  
8407 MAIN STREET  
ELICOTT CITY, MD 21043  
TEL: 410.461.7666  
FAX: 410.461.8961

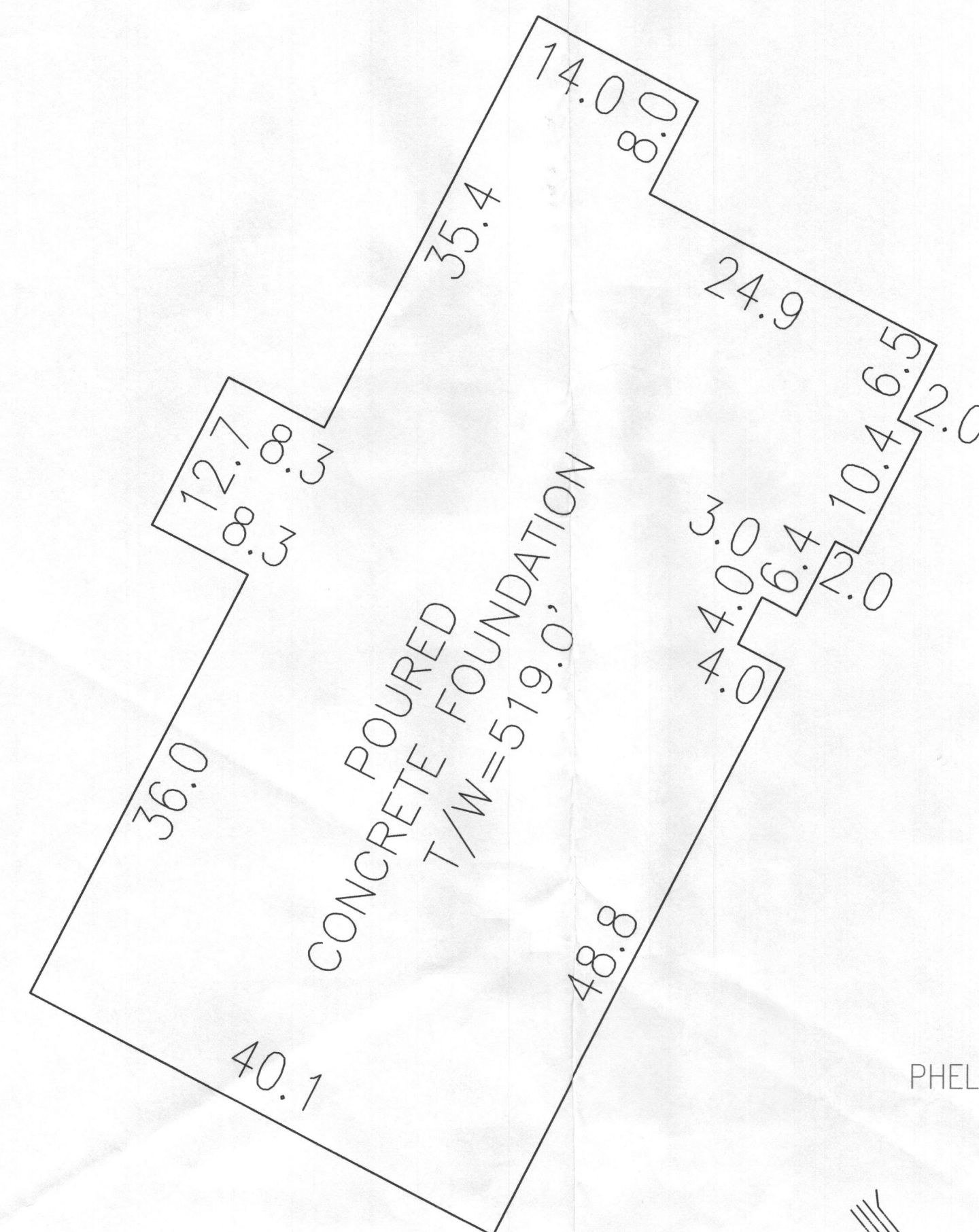
DESIGN BY: RHV  
DRAWN BY: JMR  
CHECKED BY: RHV  
DATE: DECEMBER 2017  
SCALE: AS SHOWN  
W.O. NO.: 17-03

PROFESSIONAL CERTIFICATE  
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A FULLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 10103  
EXPIRATION DATE: 08-27-2018

ROBERT H. VOGEL, PE No.16193

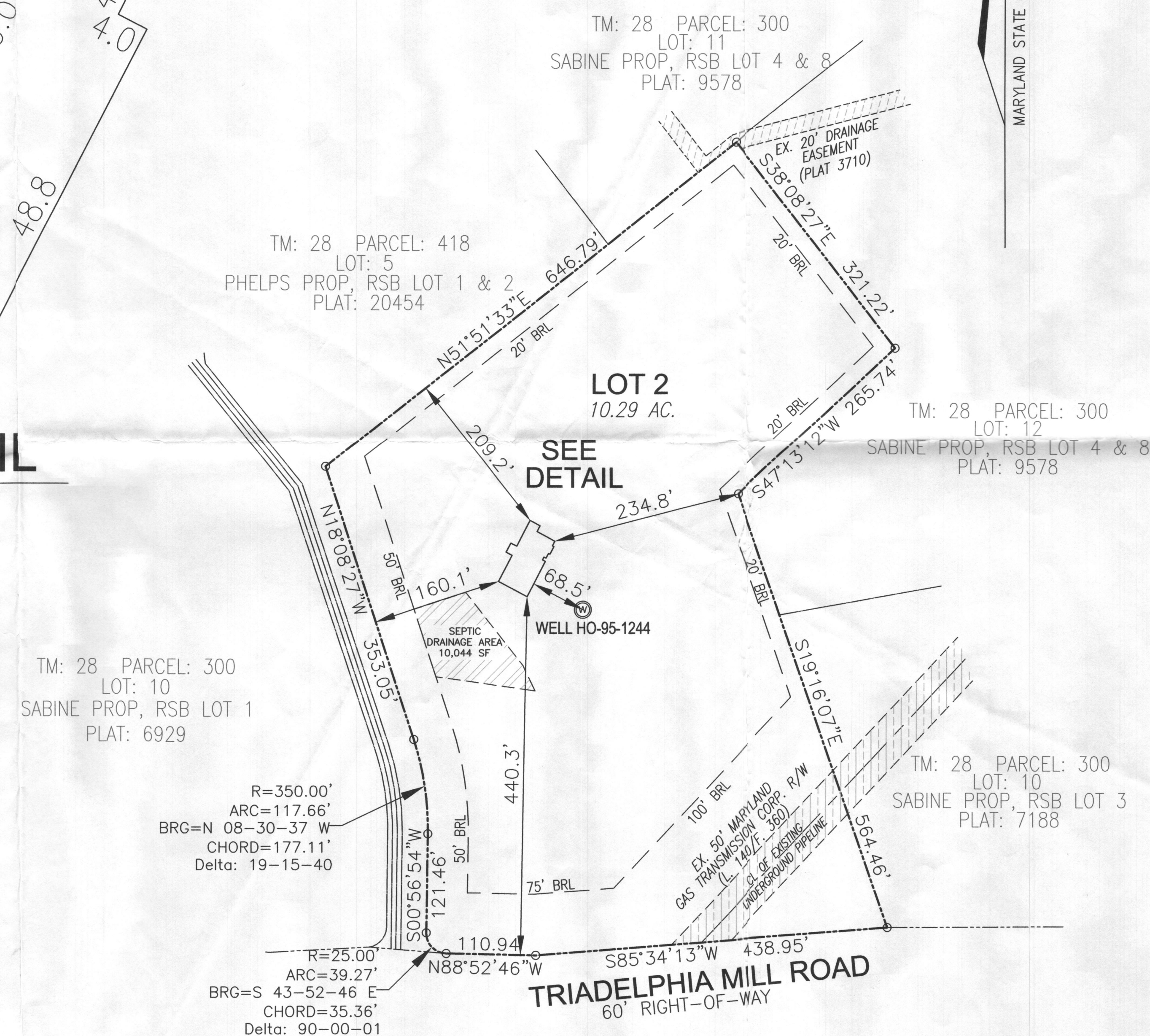
1 SHEET OF 1





# DETAIL

SCALE 1"=10'



MARYLAND STATE GRID MERIDIAN (NAD83/91)

TM: 28 PARCEL: 418  
LOT: 5  
PHELPS PROP, RSB LOT 1 & 2  
PLAT: 20454

**LOT 2**  
10.29 AC.

SEE  
DETAIL

TM: 28 PARCEL: 300  
LOT: 12  
SABINE PROP, RSB LOT 4 & 8  
PLAT: 9578

TM: 28 PARCEL: 300  
LOT: 10  
SABINE PROP, RSB LOT 1  
PLAT: 6929

R=350.00'  
ARC=117.66'  
BRG=N 08-30-37 W  
CHORD=177.11'  
Delta: 19-15-40

$R=25.00'$   
 $ARC=39.27'$   
 $BRG=S\ 43-52-46\ E$   
 $CHORD=35.36'$   
 $\Delta: 90-00-01$

6"W S85°34'13"W 438.95  
**TRIADELPHIA MILL ROAD**  
 60' RIGHT-OF-WAY

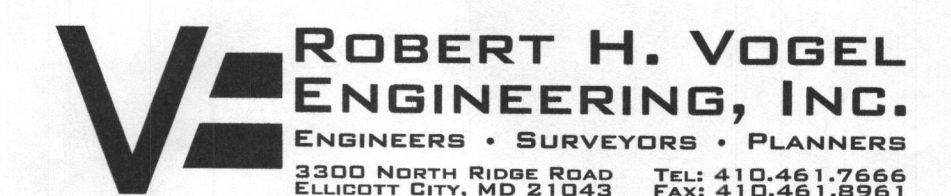
TM: 28 PARCEL: 300  
LOT: 10  
SABINE PROP, RSB LOT 3  
PLAT: 7188

I HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF THAT THE IMPROVEMENTS ARE LOCATED AS SHOWN AND THERE ARE NO ENCROACHMENTS EXCEPT AS SHOWN.

EDWARD J. GLAWE, PROFESSIONAL LAND SURVEYOR #21391 DATE

PROFESSIONAL CERTIFICATION; I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21391. EXPIRATION DATE JUNE 4, 2019.

Wall Check  
OK  
R/E 7/3/18



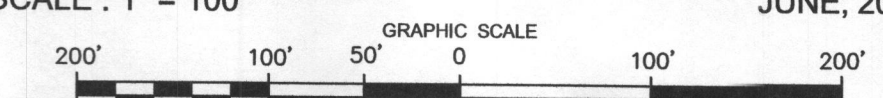
## WALL CHECK DRAWING

13780 TRIADELPHIA MILL ROAD  
LOT 2 SABINE PROPERTY  
BUILDING PERMIT #12009999

PLAT NO. 3710

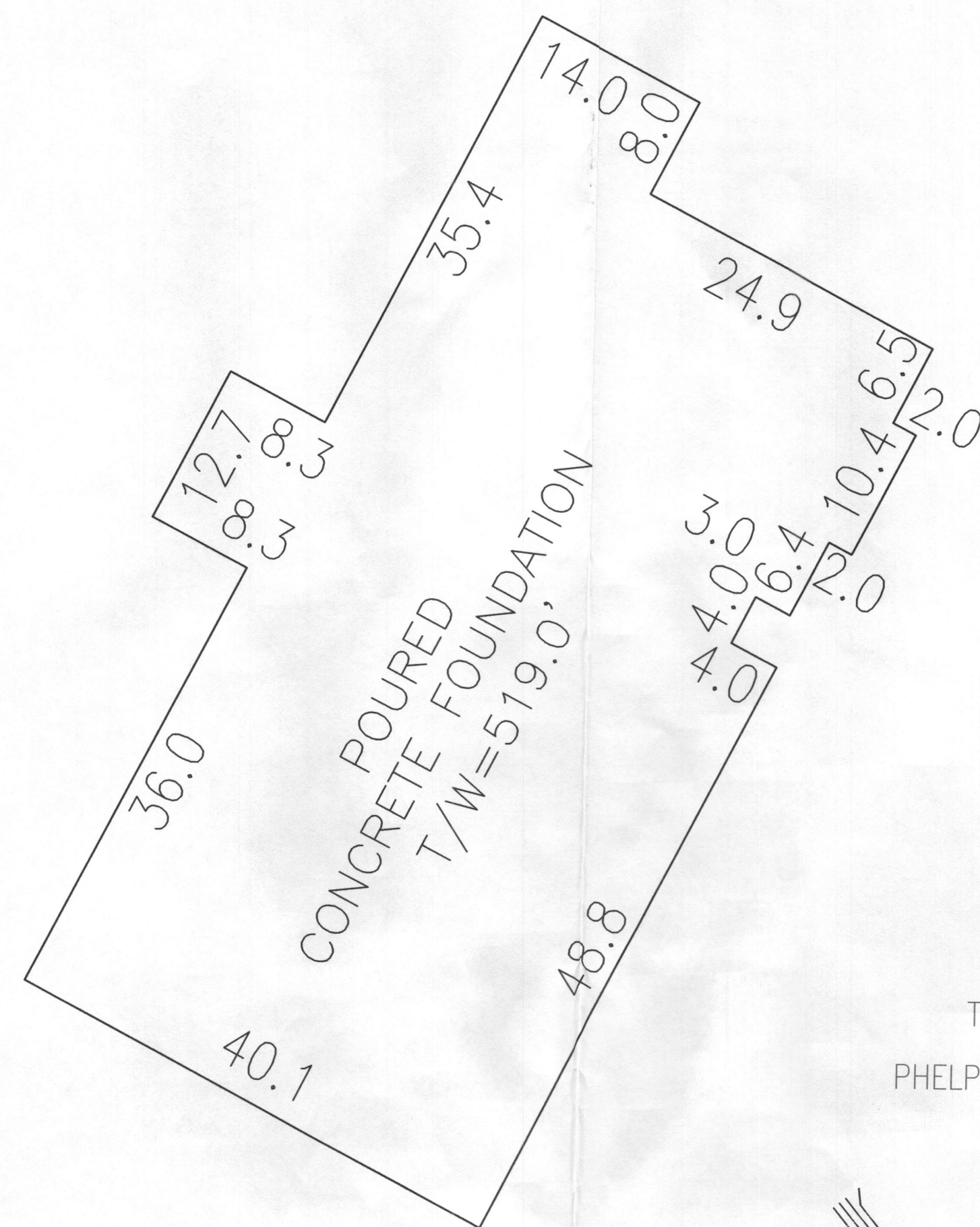
FIFTH ELECTION DISTRICT                      HOWARD COUNTY, MARYLAND

SCALE : 1" = 100' JUNE, 2018



SHEET 1 OF 1





# DETAIL

SCALE 1"=10'

TM: 28 PARCEL: 300  
LOT: 10  
SABINE PROP, RSB LOT 1  
PLAT: 6929

R=350.00'  
ARC=117.66'  
BRG=N 08-30-37 W  
CHORD=177.11'  
Delta: 19-15-40

R=25.00'  
ARC=39.27'  
BRG=S 43-52-46 E  
CHORD=35.36'  
Delta: 90-00-01

TM: 28 PARCEL: 418  
LOT: 5  
PHELPS PROP, RSB LOT 1 & 2  
PLAT: 20454

TM: 28 PARCEL: 300  
LOT: 11  
SABINE PROP, RSB LOT 4 & 8  
PLAT: 9578

TM: 28 PARCEL: 300  
LOT: 12  
SABINE PROP, RSB LOT 4 & 8  
PLAT: 9578

TM: 28 PARCEL: 300  
LOT: 10  
SABINE PROP, RSB LOT 3  
PLAT: 7188

LOT 2  
10.29 AC.

SEE  
DETAIL

WELL HO-95-1244

TRIADELPHIA MILL ROAD  
60' RIGHT-OF-WAY

MARYLAND STATE GRID MERIDIAN (NAD83/91)

I HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF THAT THE IMPROVEMENTS ARE LOCATED AS SHOWN AND THERE ARE NO ENCROACHMENTS EXCEPT AS SHOWN.

EDWARD J. GLAWE, PROFESSIONAL LAND SURVEYOR #21391 DATE

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21391, EXPIRATION DATE JUNE 4, 2019.

Wall Check  
OK  
RHE 7/3/18

**ROBERT H. VOGEL**  
ENGINEERING, INC.  
ENGINEERS • SURVEYORS • PLANNERS  
3300 NORTH RIDGE ROAD TEL: 410.461.2666  
ELLICOTT CITY, MD 21043 FAX: 410.461.8961

## WALL CHECK DRAWING

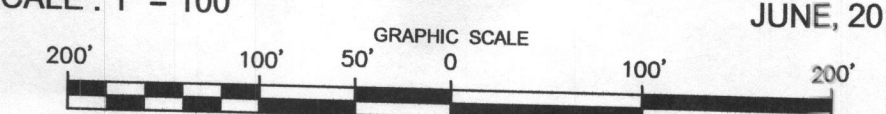
13780 TRIADELPHIA MILL ROAD  
LOT 2 SABINE PROPERTY  
BUILDING PERMIT #12009999

PLAT NO. 3710

FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE: 1" = 100'

JUNE, 2018



SHEET 1 OF 1





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

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

RECEIPT DATE: \_\_\_\_\_ **ONSITE SEWAGE DISPOSAL SYSTEM** P \_\_\_\_\_

APPROVAL DATE: \_\_\_\_\_ **PERMIT: CONSTRUCTION** A \_\_\_\_\_

PROPERTY ADDRESS: 13780 Iriadelphia Road,

SUBDIVISION: Orndorff Property LOT: 2 TAX ID: \_\_\_\_\_

CONTRACTOR: Halfulbels EMAIL: \_\_\_\_\_

CONTRACTOR ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_

PROPERTY OWNER: Robert Orndorff EMAIL: \_\_\_\_\_

OWNER ADDRESS: P.O. Box 57, Dayton, MD PHONE: (410) 977-8990

SEPTIC TANK SIZE (GALLONS): 1250 Gallon TANK MANUFACTURER: Maryland Concrete

PUMP MODEL: \_\_\_\_\_ PUMP SIZE \_\_\_\_\_ PUMP TANK CAPACITY: \_\_\_\_\_

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

TRENCHES:	LINEAR FEET REQUIRED: <u>158</u>	INLET DEPTH: <u>3</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>8</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>6</u>
	LOCATION: PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:		

ISSUED BY: Dana Beard ISSUE DATE: 1-11-18 EXPIRATION DATE: 1-11-19

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

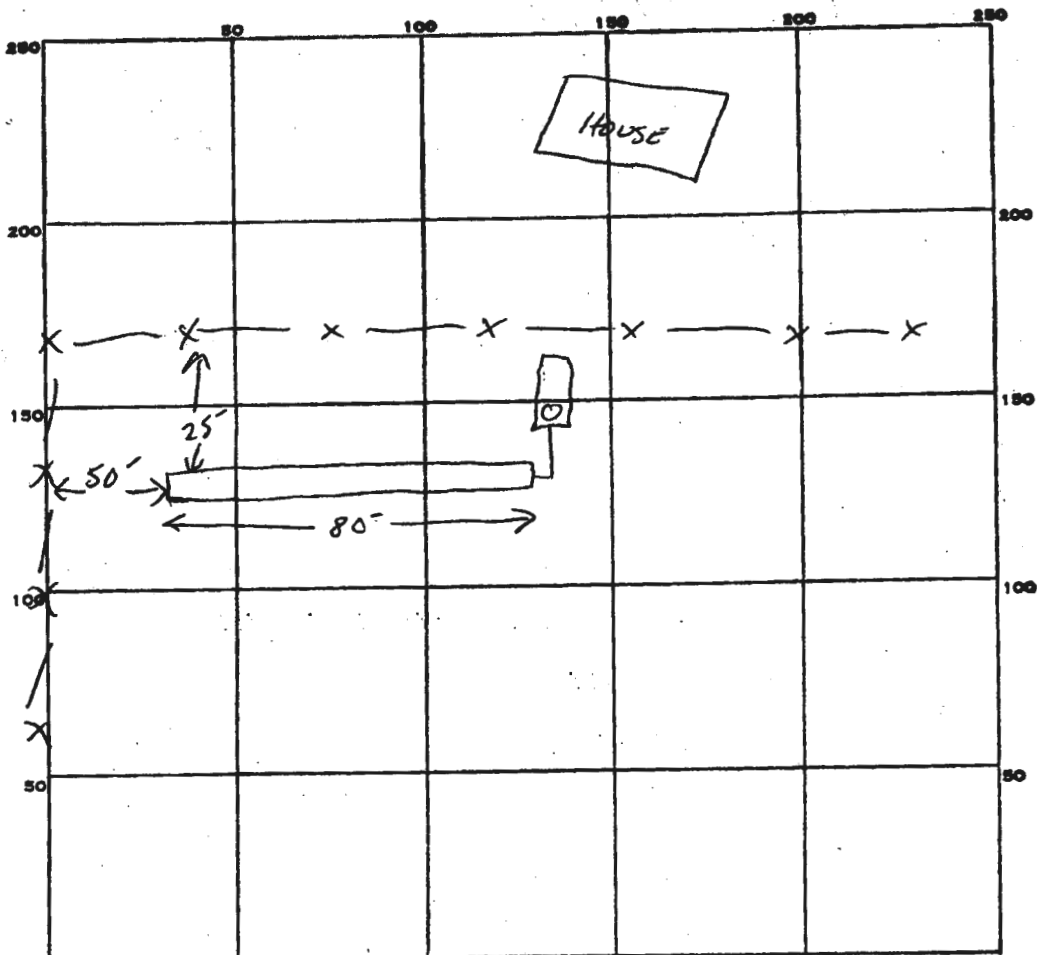
☐ ELECTRICAL PERMIT ISSUED E \_\_\_\_\_

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.



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

TRIADLANA MIA Rd.

PERMIT CARD ☒

SEPTIC TANK, LEVEL EXISTING

CLEANOUTS Below GRADE

DISTRIBUTION BOX, LEVEL N/A

TILE FIELD, DEPTH 11 FT. TRENCH WIDTH 2 FT. INLET 5"

GRAVEL DEPTH 6 Ft N. TOTAL LENGTH 80 FT.

NUMBER OF TRENCHES 1 ONE SIDEWALL TOTAL BOTTOM AREA 480  $\phi$

SEEPAGE PITS, INSIDE DIAMETER        FT. DEPTH BELOW INLET        FT.

ABSORBENT AREA 480 SQ. FT.

REMARKS

DATE SYSTEM APPROVED

7/8/86

INSPECTOR

S. Amy

05- 379237

7/8/84

approved  
S. Abel

## PERMIT

P 3733P

A REPAIR

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

BUREAU OF ENVIRONMENTAL HEALTH

X223-2330XX

ELLICOTT CITY

DISTRICT \_\_\_\_\_

DATE 7/10/86

INDEXED

Jack Fyock

IS PERMITTED TO INSTALL \_\_\_\_\_ ALTER ☒

ADDRESS \_\_\_\_\_ PHONE 988-9270

SUBDIVISION \_\_\_\_\_ ROAD 13780 Triadelphia Mill LOT \_\_\_\_\_

PROPERTY OWNER Sabine

ADDRESS \_\_\_\_\_

IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 22%.

GARBAGE GRINDER? YES \_\_\_\_\_ NO \_\_\_\_\_

SEPTIC TANK CAPACITY \_\_\_\_\_ GALLONS NUMBER OF BEDROOMS \_\_\_\_\_

REPAIR - CALL FOR INSPECTION WHEN GROUND IS OPENED UP SO SANITARIAN CAN RECOMMEND REPAIR.

PLANS APPROVED BY C. Williams DATE 7/08/86

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: IF TRENCH IS USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH.

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 40 PVC OR ABS.

PERMIT VOID AFTER THREE 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 PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET MANHOLE TO GRADE REQUIRED.

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

\*CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1082

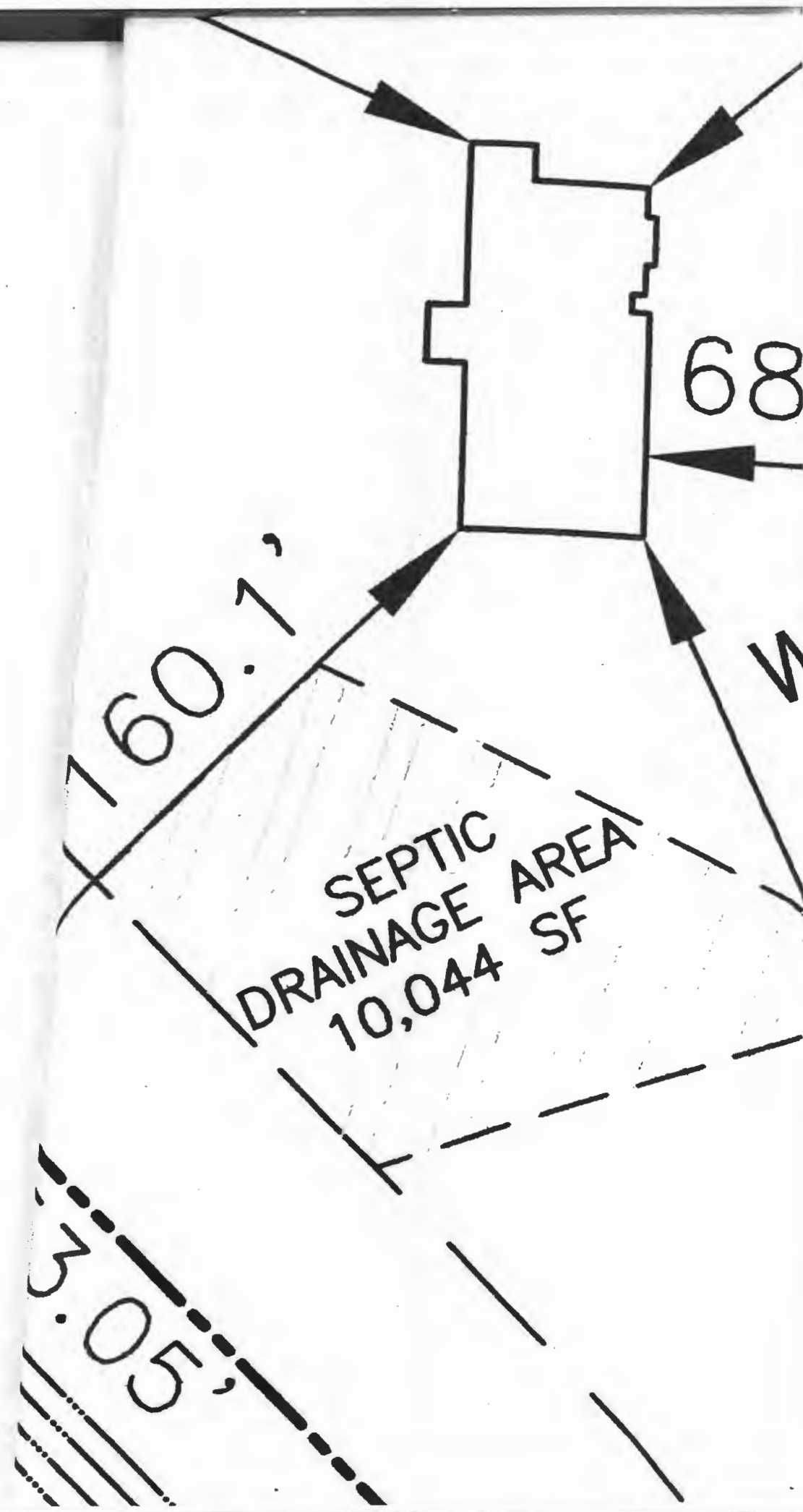
3733P  
A REPAIR

1760.1'

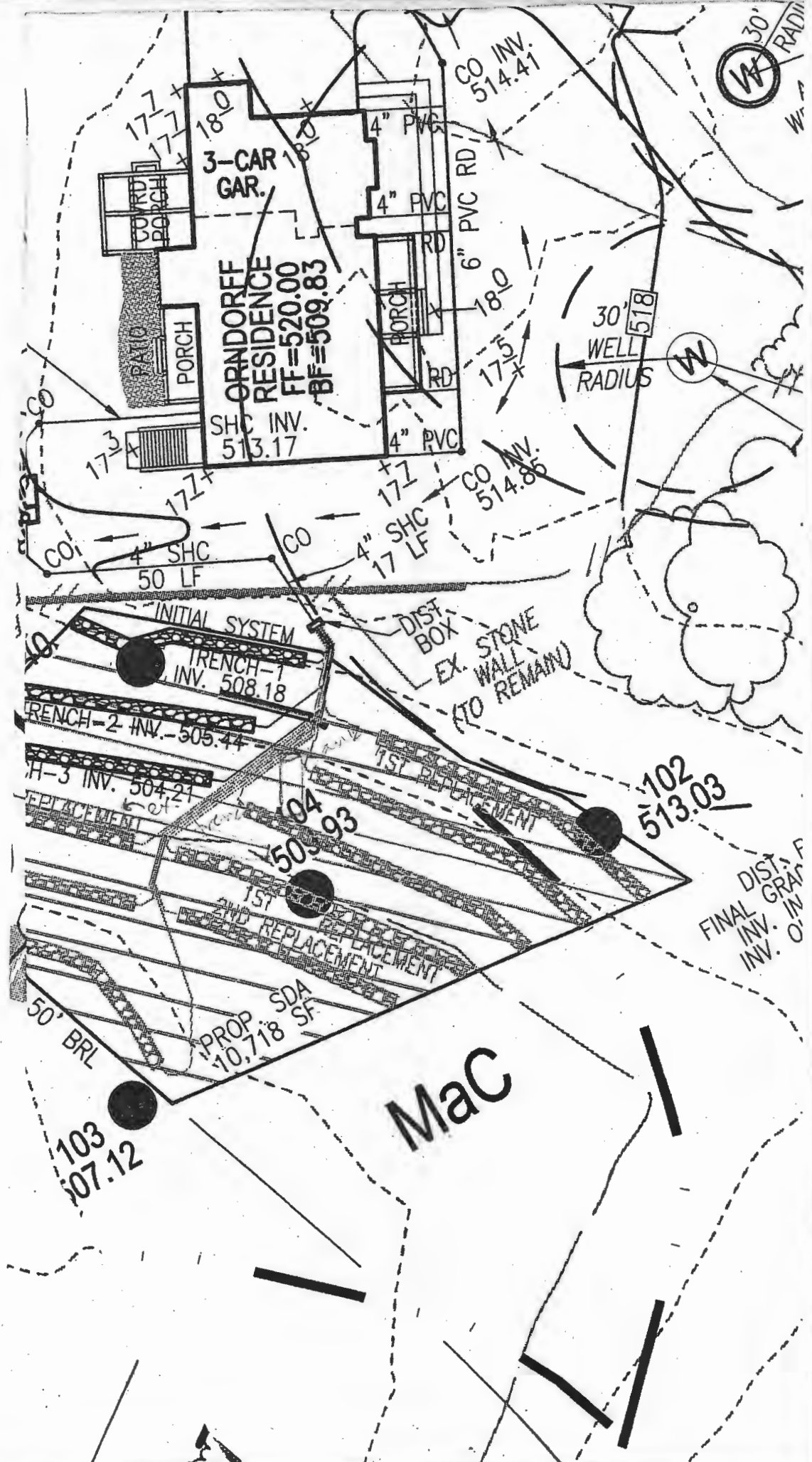
68

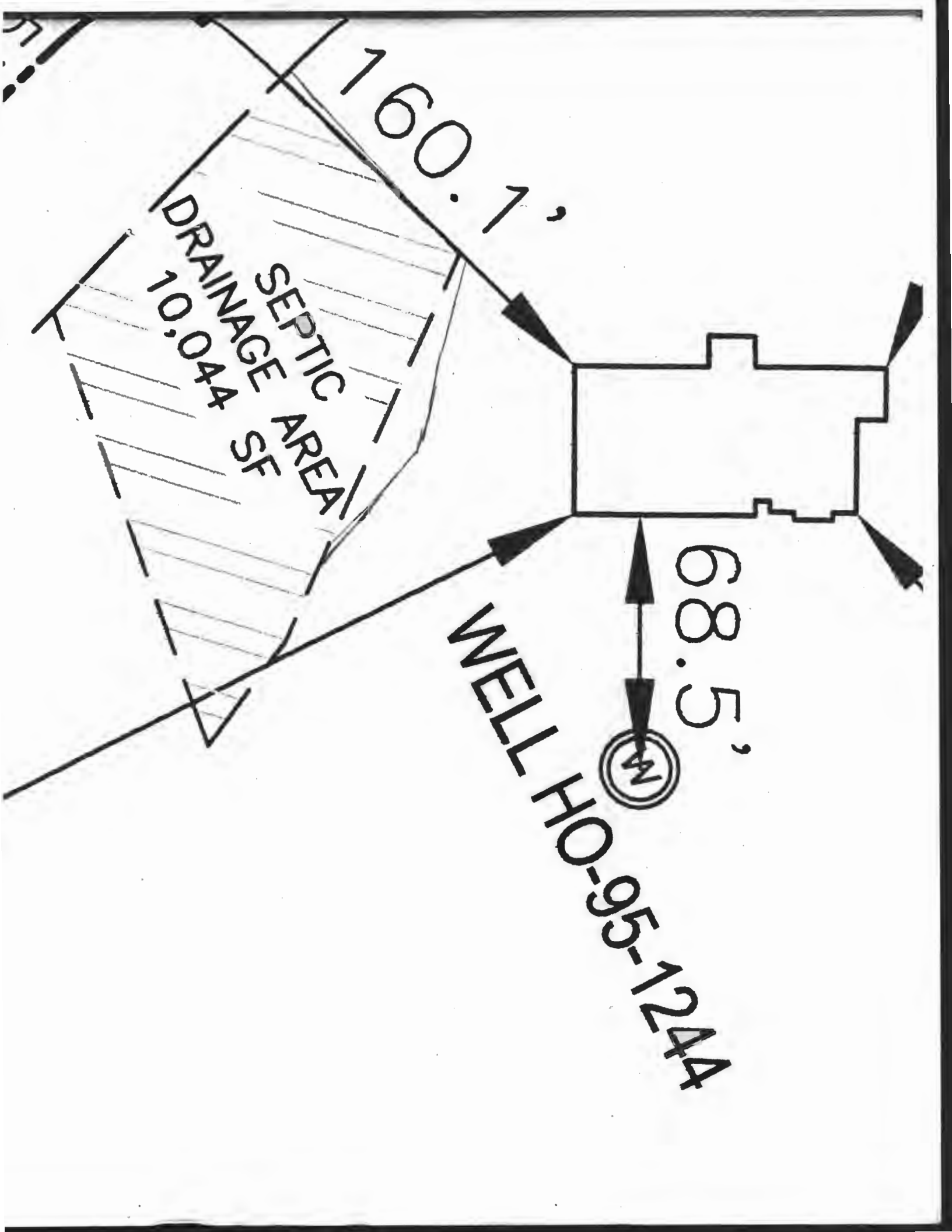
SEPTIC  
DRAINAGE AREA  
10,044 SF

3.05'









SEPTIC AREA  
DRAINAGE AREA  
10,044 SF

160.1'

WELL HO-95-1244

68.5'



