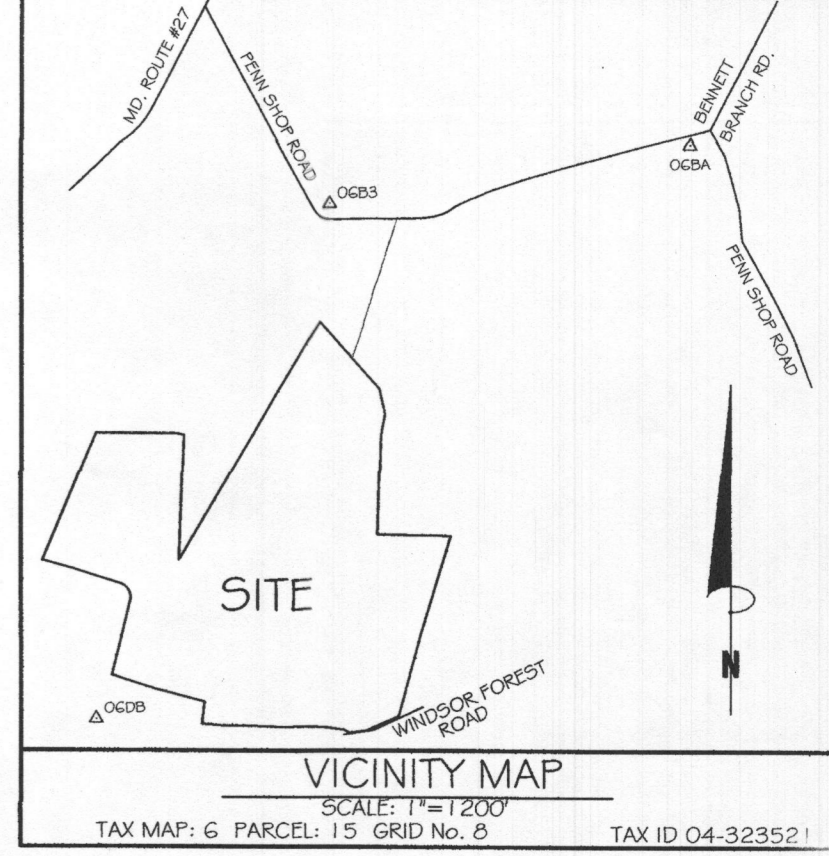
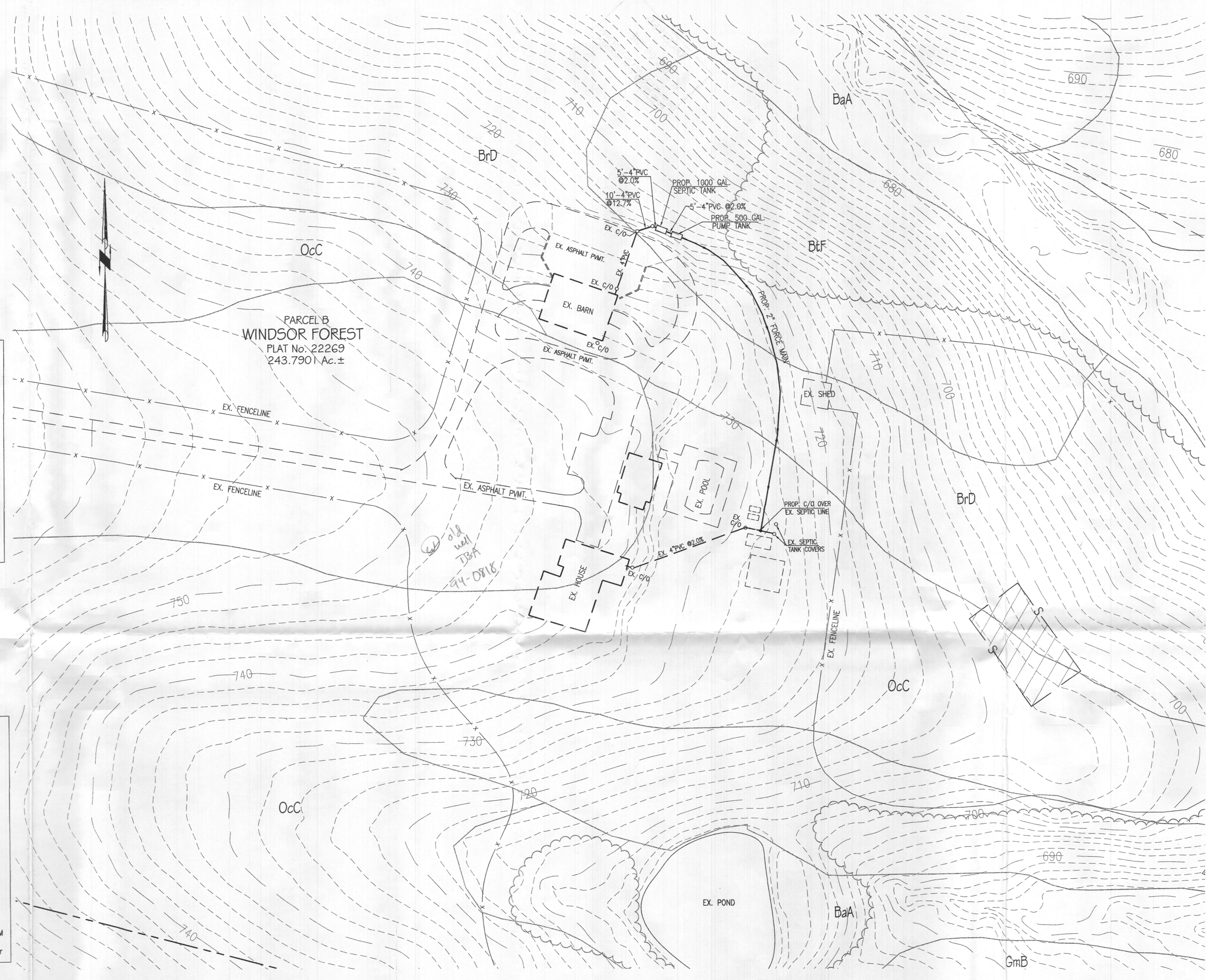
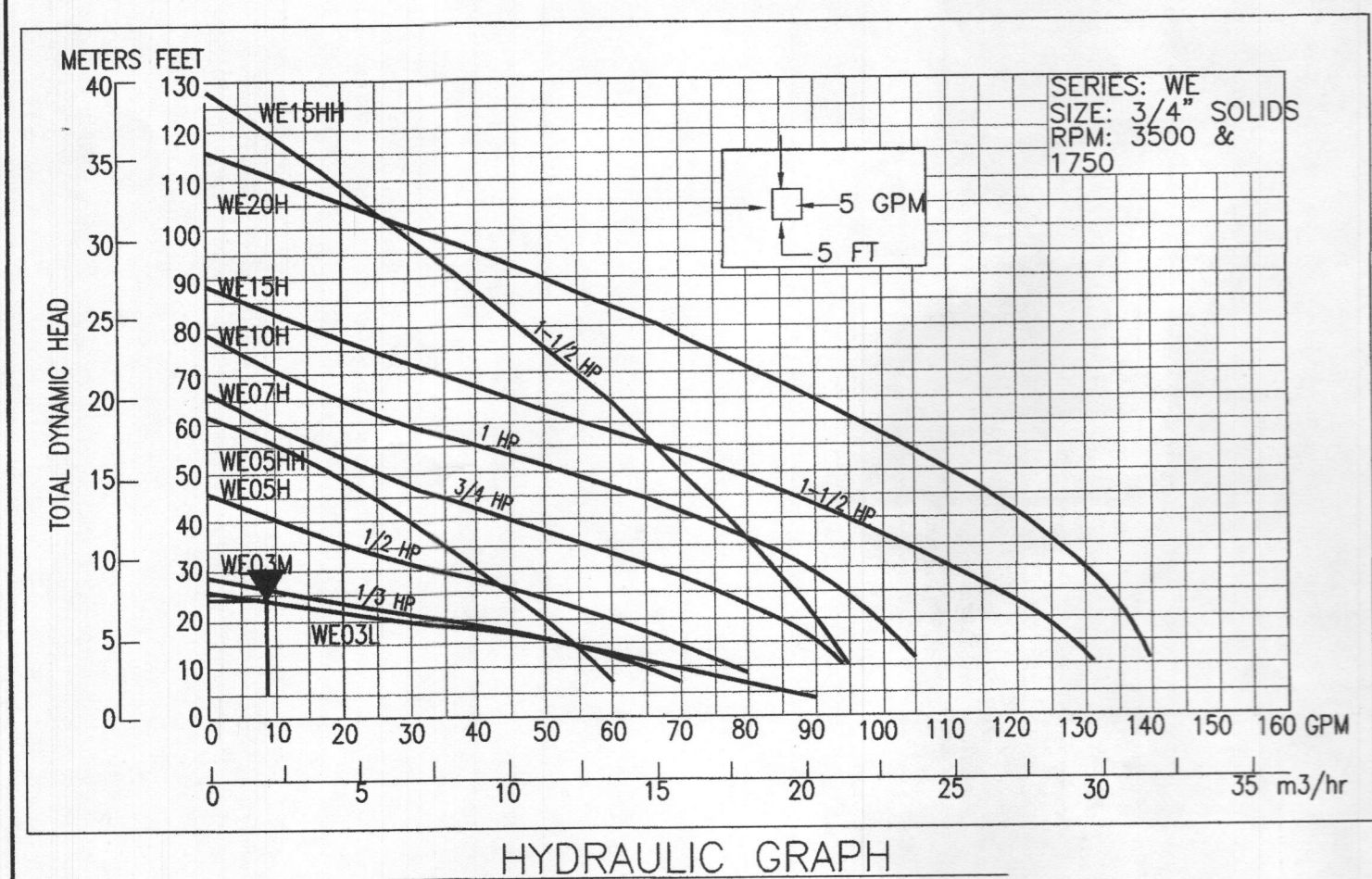


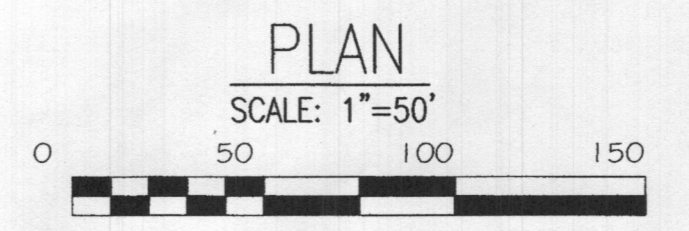
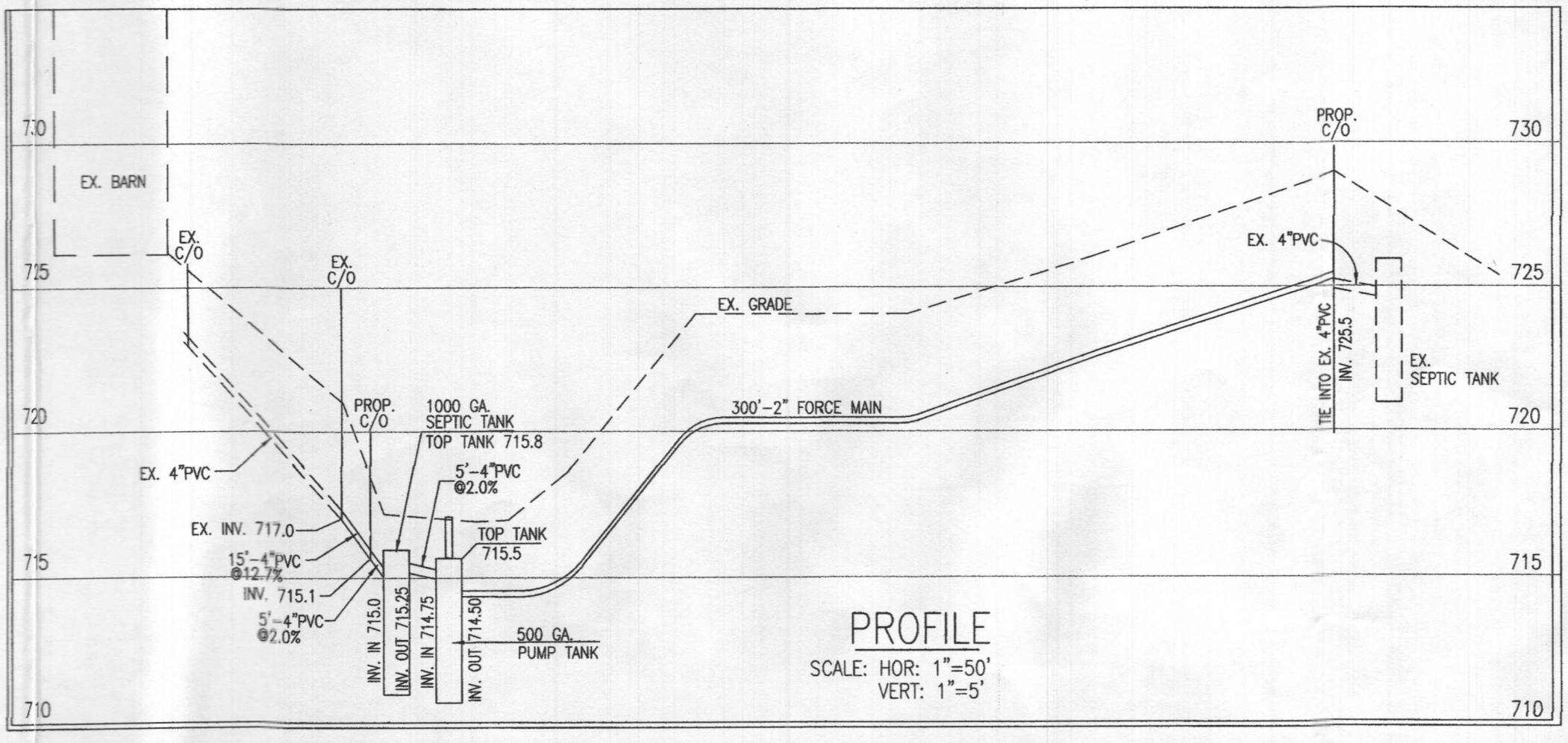
TOTAL DESIGN HEAD (THD) COMPUTATION		PUMP CHART	
STATIC HEAD	18.25	500 GAL-1 CHAMBER TANK	
FRICITION HEAD	6.1	GOULDS WE-03L	
		MAX. PUMP FLOW RATE = 8.3 GPM	
		PIPE = 2" PLASTIC	
		PIPE LENGTH = 300 FEET	
		ELEV. DIFF. = 18.25 FEET	
		TDH = 24.4 FEET	
TOTAL DESIGN HEAD (THD)	24.4		



- GENERAL NOTES:
- TOPOGRAPHY & PLANIMETRIC FEATURES SHOWN HEREON TAKEN FROM COPYRIGHTED GIS DATA FROM HOWARD COUNTY, SUPPLEMENTED WITH FIELD LOCATIONS BY VANMAR ASSOCIATES, INC. CONTOUR INTERVAL IS 2 FEET. VERTICAL DATUM IS NAVD88.
 - THE EXISTING WELLS SHOWN ON THIS PLAN HAVE BEEN FIELD LOCATED BY VANMAR ASSOCIATES OR TAKEN FROM AVAILABLE RECORDS AND ACCURATELY SHOWN.
 - ZONING DISTRICT: RC-DEO
 - LIMIT OF DISTURBANCE LESS THAN 5,000 SQ.FT.
 - THERE ARE NO STREAMS, PONDS, FLOODPLAINS OR WETLANDS WITHIN THE AREA OF SEPTIC TANK INSTALLATION.

- HORSE BARN SEPTIC SYSTEM DESIGN:
- DESIGN FLOW EQUIVALENT TO ONE BEDROOM OR 150 GPD.
 - PROVIDE 1000 GAL. SEPTIC TANK AND 500 GAL. PUMP TANK.
 - PROVIDE WASHABLE NSF 46 CERTIFIED EFFLUENT FILTER AT SEPTIC TANK OUTLET. EFFLUENT FILTER SHALL BE TUF-TITE EF-4 EFFLUENT FILTER OR EQUIVALENT.

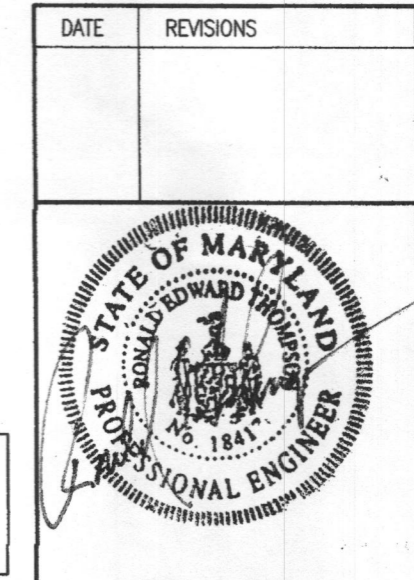
- SITE PLAN NOTES:
- ANY CHANGE TO THE LOCATIONS OR DEPTHS TO ANY COMPONENTS MUST BE APPROVED BY THE ENGINEER AND THE HOWARD COUNTY HEALTH DEPARTMENT PRIOR TO INSTALLATION. A REVISED SITE PLAN MAY BE REQUIRED.
 - MAXIMUM COVER OVER THE TANK IS 3 FEET. GREATER DEPTH WILL REQUIRE A HEAVY LOAD BEARING TANK.
 - ELECTRICAL WORK FOR THE INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
 - EX. WELL (TAG #HO-95-1953)



Approved Septic System Plan
Howard County Health Department
Signature: [Signature] Date: 12/10/18

OWNER:
ROBERT A. SCRANTON
18950 WINDSOR FOREST ROAD
MOUNT AIRY, MARYLAND 21771
410-442-2211

PROFESSIONAL CERTIFICATION
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. 18417, Expiration Date: 9/18/19.



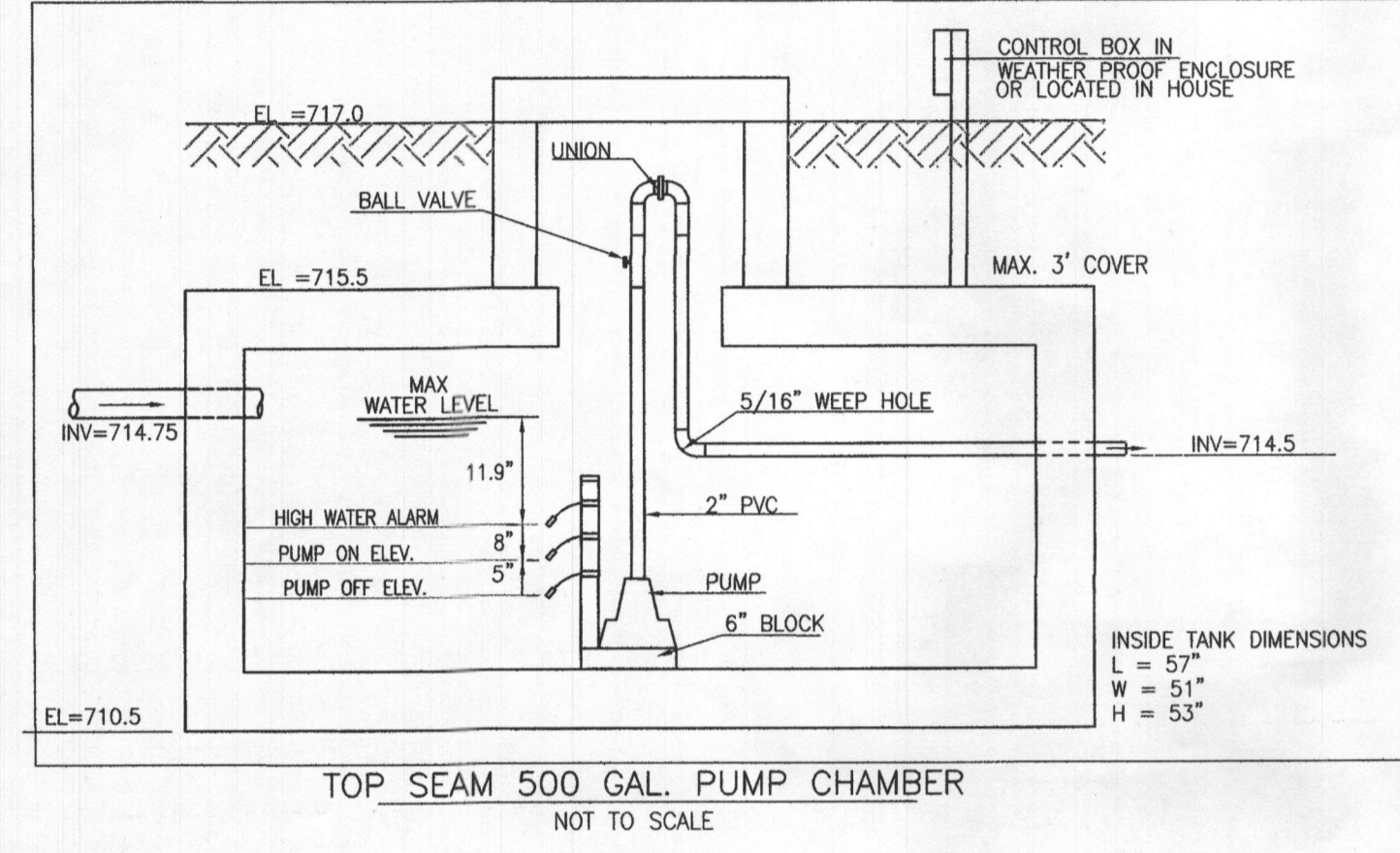
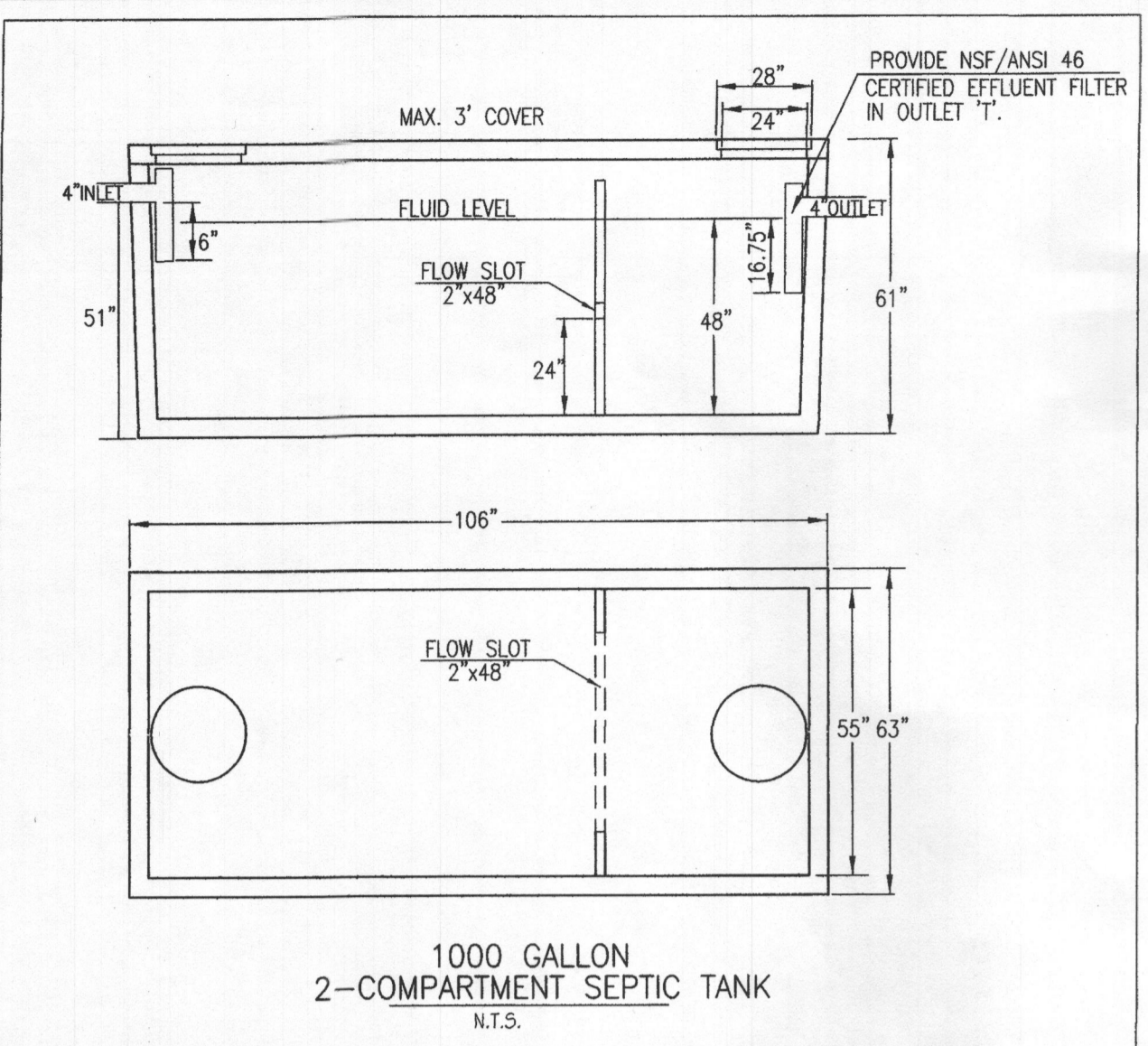
ON SITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN
PARCEL B
WINDSOR FOREST
PLAT No. 22269
18950 WINDSOR FOREST ROAD
FOURTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE: 1"= 50' DECEMBER 2018

VANMAR ASSOCIATES, INC.
Engineers Surveyors Planners
310 South Main Street Mount Airy, Maryland 21771
(301) 829-2890 (301) 831-5015 (410) 549-2751
vanmar.com Fax (301) 831-5603 ©Copyright, Latest Date Shown

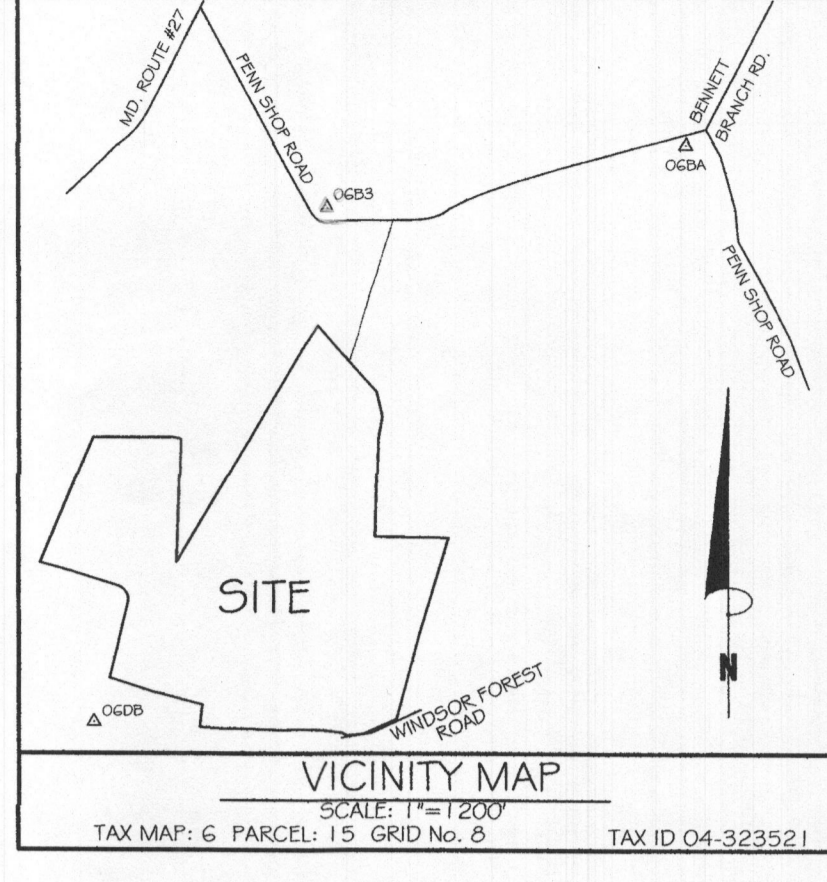
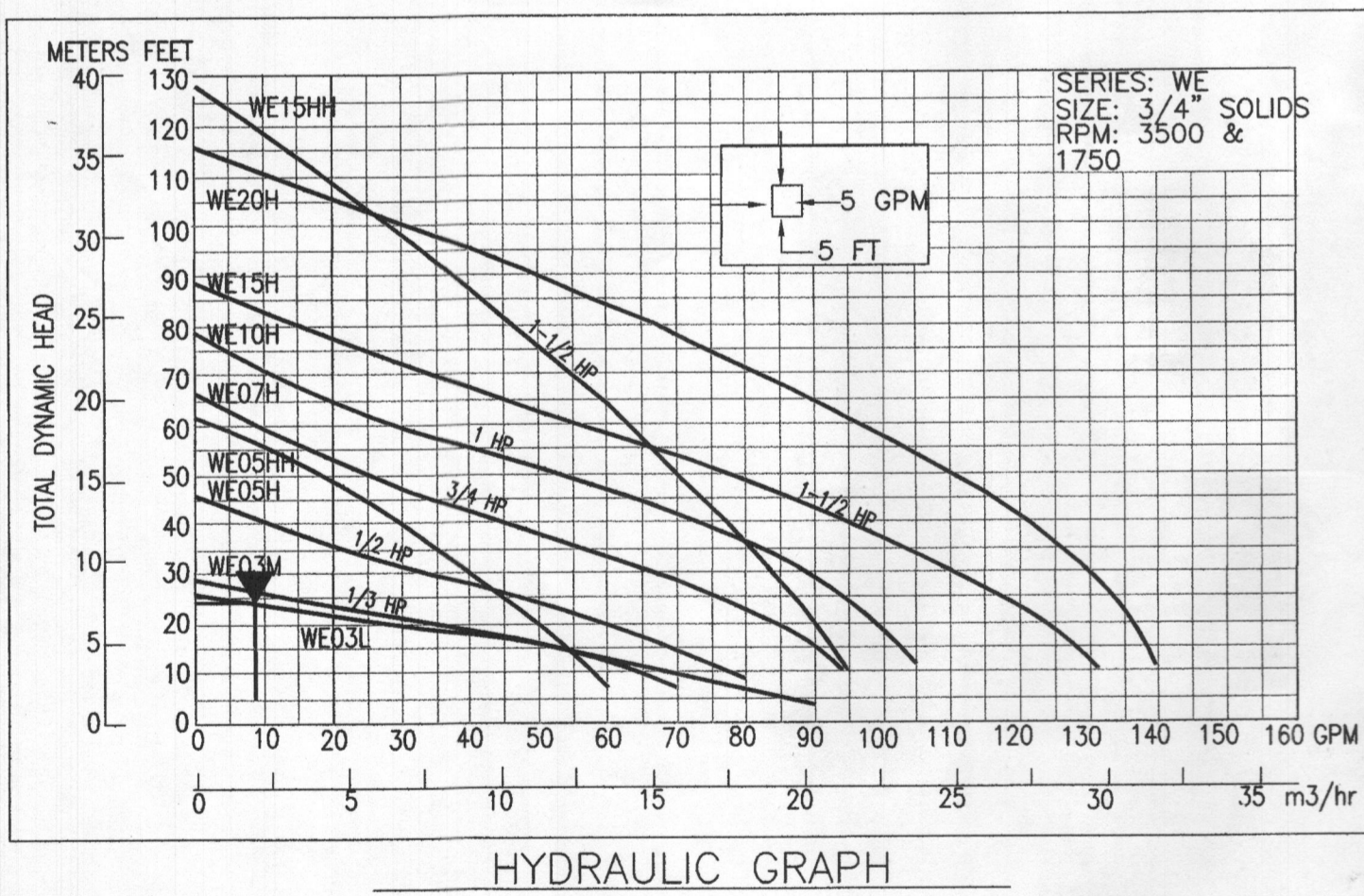
APPROVED:
FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

HOWARD COUNTY HEALTH OFFICER

A:\Projects\2018\12\2018 3:39:18 PM HP Designer\17906-441-HP3



TOTAL DESIGN HEAD (TDH) COMPUTATION		PUMP CHART	
STATIC HEAD	18.25	500 GAL-1 CHAMBER TANK	
FRICTION HEAD	6.1	GOULDS WE-03L	
TOTAL DESIGN HEAD (TDH)	24.4	MAX. PUMP FLOW RATE = 8.3 GPM	
		PIPE = 2" PLASTIC	
		PIPE LENGTH = 300 FEET	
		ELEV. DIFF. = 18.25 FEET	
		TDH = 24.4 FEET	



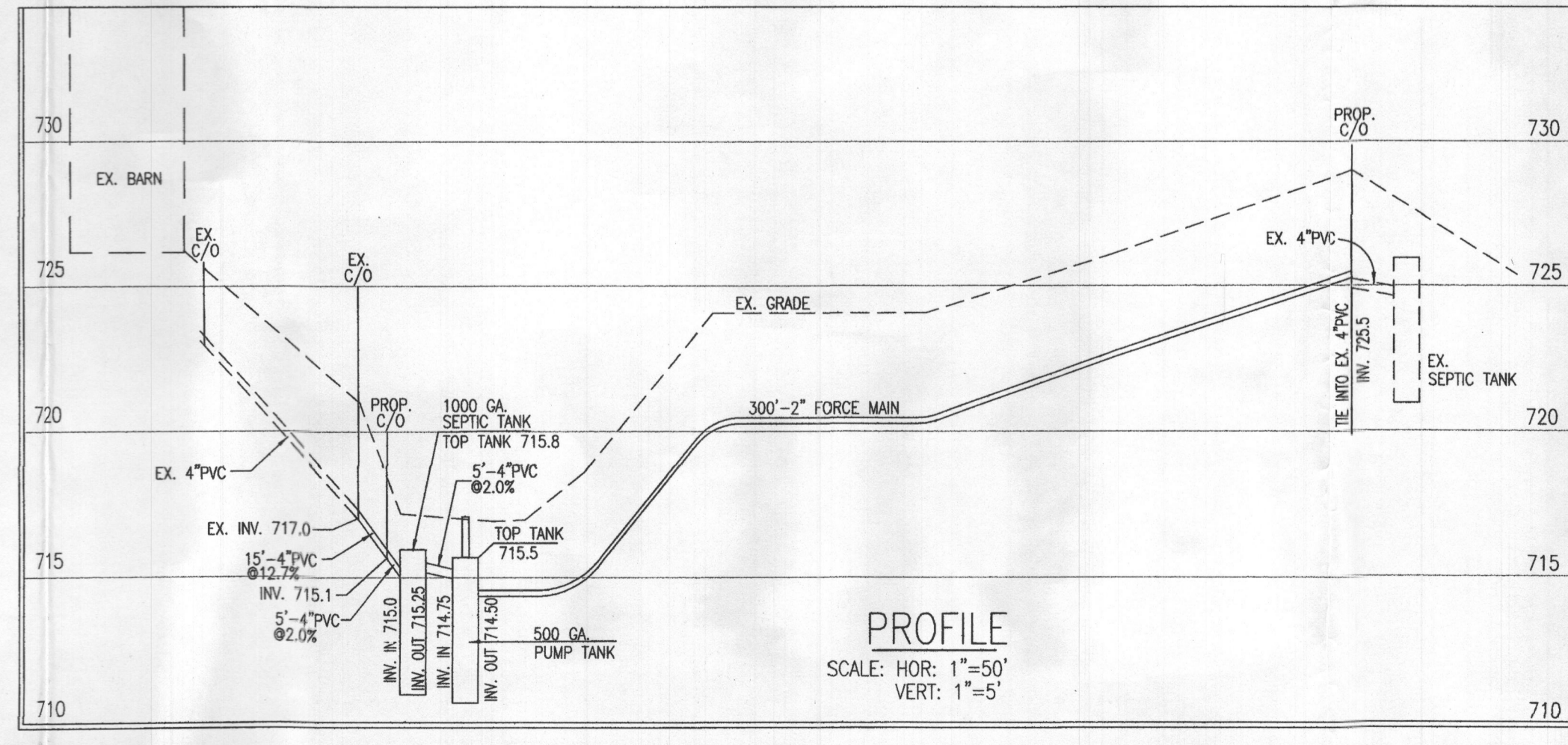
- GENERAL NOTES:
- TOPOGRAPHY & PLANIMETRIC FEATURES SHOWN HEREON TAKEN FROM COPYRIGHTED GIS DATA FROM HOWARD COUNTY, SUPPLEMENTED WITH FIELD LOCATIONS BY VANMAR ASSOCIATES, INC. CONTOUR INTERVAL IS 2 FEET. VERTICAL DATUM IS NAVD88.
 - THE EXISTING WELLS SHOWN ON THIS PLAN HAVE BEEN FIELD LOCATED BY VANMAR ASSOCIATES OR TAKEN FROM AVAILABLE RECORDS AND ACCURATELY SHOWN.
 - ZONING DISTRICT: RC-DEO
 - LIMIT OF DISTURBANCE LESS THAN 5,000 SQ.FT.
 - THERE ARE NO STREAMS, PONDS, FLOODPLAINS OR WETLANDS WITHIN THE AREA OF SEPTIC TANK INSTALLATION.

- HORSE BARN SEPTIC SYSTEM DESIGN:
- DESIGN FLOW EQUIVLENT TO ONE BEDROOM OR 150 GPD.
 - PROVIDE 1000 GAL. SEPTIC TANK AND 500 GAL. PUMP TANK.
 - PROVIDE WASHABLE NSF 46 CERTIFIED EFFLUENT FILTER AT SEPTIC TANK OUTLET. EFFLUENT FILTER SHALL BE TUF-TITE EF-4 EFFLUENT FILTER OR EQUIVLENT.

- SITE PLAN NOTES:
- 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.
 - MAXIMUM COVER OVER THE TANK IS 3 FEET. GREATER DEPTH WILL REQUIRE A HEAVY LOAD BEARING TANK.
 - ELECTRICAL WORK FOR THE INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
 - EX. WELL (TAG #HO-95-1953)

APPROVED:
FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

HOWARD COUNTY HEALTH OFFICER

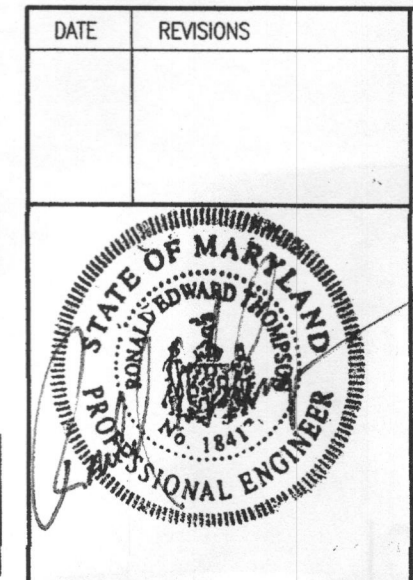


Approved Septic System Plan
Howard County Health Department

Signature: [Signature] Date: 12/01/18

OWNER:
ROBERT A. SCRANTON
18950 WINDSOR FOREST ROAD
MOUNT AIRY, MARYLAND 21771
410-442-2211

PROFESSIONAL CERTIFICATION
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. 18417, Expiration Date: 9/18/19.



ON SITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN
PARCEL B
WINDSOR FOREST
PLAT No. 222G9
18950 WINDSOR FOREST ROAD
FOURTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE: 1"= 50' DECEMBER 2018

VANMAR ASSOCIATES, INC.
Engineers Surveyors Planners
310 South Main Street Mount Airy, Maryland 21771
(301) 829-2890 (301) 831-5015 (410) 549-2751
vanmar.com Fax (301) 831-5603 ©Copyright, Latest Date Shown

LETTER OF TRANSMITTAL

AGENCY CLIENT FILE ACCT. CORR. OTHER _____

VanMar Associates, Inc.

Engineers ~ Surveyors ~ Planners
310 South Main Street, P.O.Box 328, Mt. Airy, MD 21771
301-829-2890 301-831-5015 301-695-0600
410-549-2751 (FAX) 301-831-5603

TO: Howard County Department of
Environmental Health
8930 Stanford Blvd
Columbia, Maryland 21045

Attn: Jeff Williams

DATE: December 5, 2018

PROJECT: Windsor Forest, Parcel B

VMA#: A54887

ENCLOSED:

COPIES	DATE	DESCRIPTION
3	12/5/18	On Site Sewage Disposal System Design Plan, Parcel B, Windsor Forest

REMARKS: Review of Horse Barn septic connection. Thank you!

COPIES TO (ADDRESS) Robert Scranton, 11175 Stratfield Court, Marriottsville, Maryland 21104

SUBMITTED BY dkv

G:\ENGRSVA54877\HD initial barn plan submisison 12.5.18

Collins, Sarah

From: Williams, Jeffrey
Sent: Friday, November 30, 2018 10:13 AM
To: Collins, Sarah; Wolf, Kevin
Subject: FW: 18950 Windsor Forest Rd NOV

FYI. Please print and put it in the file. Thanks

From: Williams, Jeffrey
Sent: Friday, November 30, 2018 10:13 AM
To: 'Ron Thompson'
Subject: RE: 18950 Windsor Forest Rd NOV

I looked up the records and do see that we allowed that on the other property. It is not ideal to do that, but if we allowed it there, we will allow it here. The plan will need to show the tank with no slot in the center wall. It will need to have a hole near the top of the center wall at least 4" diameter with a tee extending into the first chamber to 16" from the bottom and extending up near the lid above the liquid line with no cap. The tank will need an access manhole over the center wall for future replacement of that tee, so 3 manhole covers total. The pump will need to be a sewage pump with specs given to us showing that it's capable of passing 2" solids. The pump floats will need to be set with the pump off float higher than the 16" inlet on the tee on the other side.

Finally, this system is required to have an effluent filter meeting NSF standard 46 requirements to keep horse hair from washing blankets from getting to the drip field. If this tank setup is used, the effluent filter will need to be installed on the back end of the existing septic tank that this is pumping to. We will need to see a filter model specified on the plan with specs showing that it is NSF standard 46 listed.

Let me know if there are any questions on this. Thanks
Jeff

From: Ron Thompson [<mailto:ron@vanmar.com>]
Sent: Thursday, November 29, 2018 5:03 PM
To: Williams, Jeffrey
Subject: FW: 18950 Windsor Forest Rd NOV

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

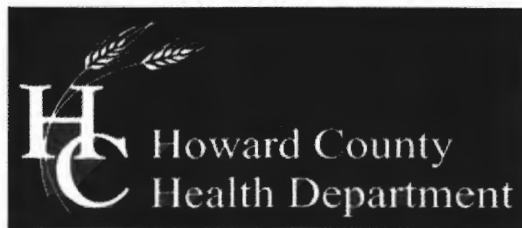
Hello Jeff:

I will be preparing the plan next week for the Mr. Scranton's septic system connection to the barn at 18950 Windsor Forest. I plan to design a 2000 gallon two-chamber tank with a Goulds Pump WE-07H pump. The two chamber tank should meet the requirements. The LPS line would be connected to the existing septic line from the house.

This is similar to the HoCo Health Department approved plan for 2684 Daisey Road.

Please let me know if this is consistent with the requirements for connecting the barn to the existing onsite sewage disposal system.

Thank you.



Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

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

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

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

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

Conventional Onsite Sewage Disposal System Design Plan Requirements

1. Title box with the following title, *Onsite Sewage Disposal System Design Plan*.
The title box shall also include the street address, tax identification number, and subdivision name or property owner name(s).
2. The name, address, and telephone number of the owner, developer, and the person preparing the plan.
3. The date the plan was drawn, the plan scale (1:30 – 1:40), and a scaled vicinity map. Scales larger than 1:40 (examples 1:50, 1:100) require scale approval prior to plan submittal.
4. All property lines and dimensions.
5. Show all existing and proposed structures including stormwater management features.
6. All percolation test holes (pass or fail with corresponding test number or letter) and the approved sewage disposal area (SDA).
7. Field run topography at two-foot intervals. One-foot intervals are required for mound systems and systems with pipe depth less than two feet.
8. Illustrate the three (3) proposed well sites or 1500 sq. ft. well box with elliptical radius of 100 feet around each of the three (3) wells or the well box.
9. Illustrate streams, ponds, floodplains, 25% and greater slopes, and any other pertinent land features.
10. Illustrate the locations of all Onsite Sewage Disposal System (OSDS) components on the site Plan.
11. Include a cross section and details of all treatment tanks and pump tanks.
12. Include a profile drawing with all invert elevations necessary for installation of the initial system.

13. Show the location of the initial absorption system and two replacements with perforated pipe elevations.
14. The designing Professional Engineer or other qualified designer must sign the plan.
15. Low pressured dosed systems or other pumped systems must include pump station details including:
 - a. Total dynamic head calculations
 - b. Pump curve
 - c. Pump on, pump off, and alarm elevations
16. Low pressure dosed systems, including sand mounds and at-grade mounds must show all details necessary for installation of the lateral network and mound.

Required Plan 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 (tag # _____) 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.

Collins, Sarah

From: Williams, Jeffrey
Sent: Wednesday, November 28, 2018 8:40 AM
To: 'Rob Scranton'
Cc: Wolf, Kevin; Collins, Sarah; WTC Contractors, Inc. (shortywtc@gmail.com)
Subject: RE: 18950 Windsor Forest Rd NOV

You may be thinking about the alternative solution of putting in one single compartment tank with a grinder pump. If you are using an effluent pump, the pump has to be in a separate chamber for it to operate properly. The pump tank does not have to be large for this use. A 500g pump tank preceded by a 1000g two compartment septic tank would be sufficient. They will set the pump floats to cycle a smallish dose.

The NOV will contain dates for correction of the serious violation you created, namely disposing of sewage in an unauthorized manner and installing an unauthorized sewage cesspool without a permit. It is up to you to meet those deadlines to avoid citations. You had 3 years to do it properly and you chose not to do so. The NOV will specify that you must cap off the plumbing in the barn starting immediately, you must have an approved plan with us by 12/14, and you must have the system installed and approved by Jan 4 to avoid citations. It will specify that your alternative is to remove the plumbing by 12/14. Thanks

Jeff

From: Rob Scranton [mailto:rscranton@catonsvillehomes.com]
Sent: Tuesday, November 27, 2018 6:24 PM
To: Williams, Jeffrey
Cc: Wolf, Kevin; Collins, Sarah; WTC Contractors, Inc. (shortywtc@gmail.com)
Subject: Re: 18950 Windsor Forest Rd NOV

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

Jeff,

When we spoke about the design for this system, you said we could just do one, 1500 gal-two compartment tank; one for septic, the other for the pump.

A separate septic tank for this minimal use will hardly ever cycle the pump.

As for the install date, I checked with our septic contractor and he is swamped; 1/4/19 will be a problem, especially with the holiday in the middle.

Thank you for your assistance.

Rob Scranton

Sent from my iPhone

On Nov 27, 2018, at 3:23 PM, Williams, Jeffrey <jewilliams@howardcountymd.gov> wrote:

Hi Rob. Regarding the permit, we will issue the permit, we just need you or your contractor to come pay the fee (\$165). The other thing we need to be able to issue the permit in time is the site plan.

Regarding the plan you attached, I realize now that our NOV was not detailed enough in what we need. Attached is our OSDS plan requirements. We will be issuing a revised NOV with the dates pushed back a bit to give you time to submit a OSDS plan from an engineer or surveyor with the required details. See the attached guidance document. A copy of that document will also be attached to the revised NOV. The

new dates will be 12/14 to submit a plan that meets those requirements and 1/4/19 to have the system installed.

I see that you are pumping the waste to the existing system, so we will need to see a separate, appropriately sized pump tank after the septic tank with the details of the pump, the dosing, the elevations, etc. This system will also need an effluent pump on the new septic tank, we'll need to see a specification for that, it needs to meet NSF requirements. Finally, the tie in to the existing system needs to be shown in detail. We will want to see the line empty into the gravity line leading into the tank instead of drilling a new hole into the tank itself. Thanks
Jeff

From: Rob Scranton [<mailto:rscranton@catonsvillehomes.com>]
Sent: Tuesday, November 27, 2018 10:55 AM
To: Wolf, Kevin; Collins, Sarah
Cc: Williams, Jeffrey; WTC Contractors, Inc. (shortywtc@gmail.com)
Subject: RE: 18950 Windsor Forest Rd NOV

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

Kevin and Sarah,

I hope everyone had a relaxing and enjoyable Thanksgiving holiday.

Please see the attached site plan for the proposed septic tank/pump chamber.
I looked online but was unable to locate the septic permit application; is an electronic copy available?
I plan to submit the permit before Friday, 11/30/18.

Thank you for your assistance.

Rob Scranton
Catonsville Homes LLC
11175 Stratfield Court
Marriottsville, MD 21104
410.442.2211 x206

From: Wolf, Kevin [<mailto:KWolf@howardcountymd.gov>]
Sent: Tuesday, November 20, 2018 4:22 PM
To: Rob Scranton; Collins, Sarah
Cc: Williams, Jeffrey
Subject: RE: 18950 Windsor Forest Rd NOV

Rob,
We tried to reach you via phone several times today but no luck. I did however leave you a detailed voicemail. To reiterate, today is 7 days to receipt of the NOV we sent out for this illegal discharge and 14 days will be 11/27/2018. You must either remove the plumbing from the barn as indicated or submit to us by Friday 11/30/2018 a septic design plan for this proposal along with a septic permit fee. If you do not comply a citation will be issued after 11/30/2018 and everyday thereafter.

Thanks,

Kevin M. Wolf, LEHS, REHS/RS

Groundwater Mgmt. Sec. Supervisor
Well & Septic Program
Bureau of Environmental Health
8930 Stanford Blvd.
Columbia, MD 21045
(o) 410-313-2645
(f) 410-313-2648
<image001.png>

<image002.jpg> <image003.jpg>
kwolf@howardcountymd.gov

CONFIDENTIALITY NOTICE

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

From: Rob Scranton [<mailto:rscranton@catonsvillehomes.com>]
Sent: Monday, November 19, 2018 4:38 PM
To: Collins, Sarah
Cc: Wolf, Kevin
Subject: RE: 18950 Windsor Forest Rd NOV

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Sarah,

I have not capped off the sink and washing machine. Per your letter, it has not been seven business days (not to mention 4" of snow and ice Thursday/Friday).

I fully intend to comply with installing a septic tank for the barn but do not see any public health issue with caring for our horses utilizing a sink and washing machine for "agricultural use" as I'm sure most farms do throughout the County. This is an "agricultural use" not domestic and do not disagree once we utilize a toilet, it becomes "domestic use" and most certainly would need a septic system.

I can remove the toilet, which although not in use, would prevent any "domestic use" until we are able to design, contract and install the septic system. Is that a viable solution?

Thank you for assistance in this matter.

Rob Scranton
Catonsville Homes LLC
11175 Stratfield Court
Marriottsville, MD 21104
410.442.2211 x206

From: Collins, Sarah [<mailto:SCollins@howardcountymd.gov>]
Sent: Monday, November 19, 2018 3:34 PM
To: Rob Scranton
Subject: 18950 Windsor Forest Rd NOV

Hi Rob,

I would like to make a site visit tomorrow to confirm the plumbing in the barn has been capped off. If the pipe is still discharging to the pit, we will need to issue a citation. Are you able to meet me out there tomorrow morning?

Thanks,
Sarah

Sarah Collins, L.E.H.S.
Howard County Health Department
Bureau of Environmental Health
8930 Stanford Blvd.
Columbia, MD 21045
SCollins@howardcountymd.gov
410-313-6287

CONFIDENTIALITY NOTICE

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

<OSDS design plan requirements 5.31.17.pdf>

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

NOTICE OF VIOLATION

SENT VIA USPS CERTIFIED MAIL # 7016 0910 0001 9222 5357

November 13, 2018

Robert Scranton
18950 Windsor Forest Road
Mt. Airy, MD 21771

RE: **Unapproved disposal of domestic sewage**

Dear Mr. Scranton,

On November 8, 2018 at approximately 10am, I met with you and Darrell Smith, a Howard County Plumbing and HVAC Inspector, and Charles A. Klein & Sons Inc. plumbers on site to discuss an outstanding plumbing permit for a barn on the property built in 2015. The barn was to be tied in to the septic system serving the house, yet the Health Department never issued or approved a septic permit. There are currently two sinks and a washing machine in use in the barn and a toilet is installed but not currently in use. The sewage line discharges to a gravel pit behind the barn.

Per the *Howard County Code* 3.804(a)(1):

All domestic sewage shall be disposed of by an approved method of collection, treatment, and effluent discharge in accordance with COMAR [*Code of Maryland Regulations*] and this subtitle. It is a violation of section 12.110(a)3 of the Howard County Code to improperly dispose of domestic sewage.

Per the *Howard County Code* 3.801(e), domestic sewage is defined as:

The liquid or water-carried wastes (including gray water and water treatment backwash) from all buildings including, but not limited to, residential buildings, bathhouses, clubhouses, floating homes, commercial buildings, and institutions.

You must cap off the sewage line existing the building immediately. Failure to do so within seven (7) days of the date of service of this notice may result in a citation.

12/14
↓
You must obtain a septic repair permit from the Howard County Health Department within fifteen (15) days of the date of service of this notice and complete the septic repair within thirty (30) days of the date of service of this notice. Plans to tie in to the existing septic system must be submitted and approved prior to issuance of a septic repair permit. Failure to obtain a septic permit and/or complete the repair within these time frames may result in a citation. 1/14



Bureau of Environmental Health
8930 Stanford Blvd | Columbia, MD 21045
410.313.2640 - Voice/Relay
410.313.2648 - Fax
1.866.313.6300 - Toll Free

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

If you believe that the condition described above is not and could not be a hazard to health, or that the Health Department is not acting in compliance with pertinent laws and regulations, you may request a formal hearing before the Board of Health within fifteen (15) days of receipt of this letter. All requests are to be made in writing and directed to the Executive Secretary of the Board of Health at 8930 Stanford Blvd, Columbia, MD 21045.

If you have any questions regarding this letter, please contact me at the Bureau of Environmental Health at 410-313-1771.

Sincerely,

Sarah Collins, L.E.H.S.
Environmental Health Specialist
Howard County Health Department
Well and Septic Program

*Cc: Darrell Smith, Howard County Inspections and Enforcement Division
File*

Wolf, Kevin

From: Rob Scranton <rscranton@catonsvillehomes.com>
Sent: Monday, November 19, 2018 4:38 PM
To: Collins, Sarah
Cc: Wolf, Kevin
Subject: RE: 18950 Windsor Forest Rd NOV

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Sarah,

I have not capped off the sink and washing machine. Per your letter, it has not been seven business days (not to mention 4" of snow and ice Thursday/Friday).

I fully intend to comply with installing a septic tank for the barn but do not see any public health issue with caring for our horses utilizing a sink and washing machine for "agricultural use" as I'm sure most farms do throughout the County. This is an "agricultural use" not domestic and do not disagree once we utilize a toilet, it becomes "domestic use" and most certainly would need a septic system.

I can remove the toilet, which although not in use, would prevent any "domestic use" until we are able to design, contract and install the septic system. Is that a viable solution?

Thank you for assistance in this matter.

Rob Scranton
Catonsville Homes LLC
11175 Stratfield Court
Marriottsville, MD 21104
410.442.2211 x206

11/20/18 phone call made twice to...
No answer. left message explaining
this response and NOV. will transpire
into citation if plumbing is not removed.
KMD

From: Collins, Sarah [<mailto:SCollins@howardcountymd.gov>]
Sent: Monday, November 19, 2018 3:34 PM
To: Rob Scranton
Subject: 18950 Windsor Forest Rd NOV

Hi Rob,

I would like to make a site visit tomorrow to confirm the plumbing in the barn has been capped off. If the pipe is still discharging to the pit, we will need to issue a citation. Are you able to meet me out there tomorrow morning?

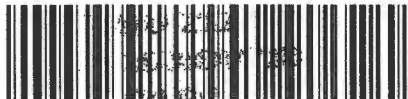
Thanks,
Sarah

Sarah Collins, L.E.H.S.
Howard County Health Department
Bureau of Environmental Health
8930 Stanford Blvd.
Columbia, MD 21045
SCollins@howardcountymd.gov

CONFIDENTIALITY NOTICE

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

USPS TRACKING #



First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

9590 9402 3850 8032 8918 52

United States
Postal Service

RECEIVED

NOV 19 2018

HOWARD COUNTY HEALTH DEPT
FOOD PROTECTION PROGRAM

Sender: Please print your name, address, and ZIP+4® in this box®

Howard County Health Dept
Bureau of Environmental Health
8930 Stanford Blvd
Columbia, MD 21045



5-5000-00



SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- ✎ Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

~~Robert Scranton~~
 18950 Windsor Forest Road
 Mt. Airy, MD 21771



9590 9402 3850 8032 8918 52

2. Article Number (Transfer from service label)

7016 0910 0001 9222 5357

COMPLETE THIS SECTION ON DELIVERY**A. Signature****X**
 Agent Addressee**B. Received by (Printed Name)****C. Date of Delivery**

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type

- | | |
|--|---|
| <input type="checkbox"/> Adult Signature | <input type="checkbox"/> Priority Mail Express® |
| <input type="checkbox"/> Adult Signature Restricted Delivery | <input type="checkbox"/> Registered Mail™ |
| <input checked="" type="checkbox"/> Certified Mail® | <input type="checkbox"/> Registered Mail Restricted Delivery |
| <input type="checkbox"/> Certified Mail Restricted Delivery | <input type="checkbox"/> Return Receipt for Merchandise |
| <input type="checkbox"/> Collect on Delivery | <input type="checkbox"/> Signature Confirmation™ |
| <input type="checkbox"/> Collect on Delivery Restricted Delivery | <input type="checkbox"/> Signature Confirmation Restricted Delivery |
| <input type="checkbox"/> Insured Mail | |
| <input type="checkbox"/> Insured Mail Restricted Delivery (over \$500) | |

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

MEMORANDUM

TO: Robert Scranton
18950 Windsor Forest Road
Mt. Airy, MD 21771

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

DATE: November ¹⁴ ~~13~~, 2018 *SEC*

RE: Abandoned well on property

During a site inspection on the property on November 8, 2018, I noticed an abandoned well on the property with the tag #HO-94-0818. A well not in use can contribute to pollution of groundwater and pose a risk to people drinking well water in the area.

Per the *Howard County Code* 3.909:

Whenever a replacement well is installed and the original well is abandoned, it is the owner's responsibility to abandon and seal a previously existing water supply in a manner satisfactory to the approving authority.

The well #HO-94-0818 must be sealed by a licensed well driller. Documentation must be submitted to the Health Department once this task is completed.

Failure to seal this well may result in the denial of future building permits and a possible Notice of Violation.

Feel free to contact me at SCollins@howardcountymd.gov or 410-313-6287 with any questions.

Cc: File

Wolf, Kevin

From: Wolf, Kevin
Sent: Thursday, October 25, 2018 10:51 AM
To: rscranton@catonsvillehomes.com
Subject: 18950 Windsor Forest Road
Attachments: [Untitled]_2018102510481814.pdf

Rob,
Jeff wanted me to follow up on this. See attached email chain from Jeff on the interior plumbing for your barn. Just to let you know Howard County Plumbing Dept also reached out to us which I believe they have a pending open inspection report on this as well.

Thanks,

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



kwolf@howardcountymd.gov

CONFIDENTIALITY NOTICE

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

Williams, Jeffrey

From: Williams, Jeffrey
Sent: Tuesday, December 01, 2015 10:24 AM
To: 'Rob Scranton'
Subject: RE: 18950 Windsor Forest Rd

As this was an innovative system approved by MDE, I talked to our regional representative, Steve Krieg about MDE's position on the Barn. Our concern was the additional flow from the laundry and the strength of waste/ clogging concern with washing horse blankets and such. Steve reached out to Tom Ashton who designed the system and his response is below:

As I recall it was a 3 zone system, should be adequate size. We likely donot have plan copies as they likely went up in a fire some years ago. I check next time I am in the office.

Assuming the system is properly functioning, the barn addition shouldn't be a problem. Any system evaluation should be by Valentine as he familiar with the older panel and other components.

My biggest concern would be the hair and other materials. Definitely need a decent size tank and a grade access outlet filter.

RSF (50%) followed by a drip (50%) certainly exceeds the N reduction requirements.

So, the good news is that we should be able to tie-in without needing to increase the size of the system. What we will need to do is perform a site visit to check the condition of the existing system. Any problems noted with the current system would have to be fixed as part of the tie-in. I am going to schedule that with Steve and let you know.

The other thing we will need is a design plan to be submitted for the septic permit showing the proposed tank with, as Tom mentioned, an outlet filter on the back end of the tank and showing the proposed line leading to the connection to the existing system prior to the sand filters.

To answer another question you had, the waste from the sink and the laundry are considered wastewater and must be treated in a subsurface disposal system per regulations. They can't be discharged to the surface as a possible solution. Also, be aware that any future conversion of the 2nd floor area into living space would require our approval and we would have to revisit the sizing at that time for the proposed increase. Thanks
Jeff

From: Rob Scranton [mailto:rscranton@catonsvillehomes.com]
Sent: Monday, November 30, 2015 5:35 PM
To: Williams, Jeffrey
Subject: RE: 18950 Windsor Forest Rd

Jeff,

There is no internal ejection pit.

I have not shot the grade yet but a gravity connection may work; if not, an external tank and pump would be needed. Where are you with your review?

Rob Scranton

From: Williams, Jeffrey [mailto:jewilliams@howardcountymd.gov]
Sent: Monday, November 16, 2015 8:16 AM

To: Rob Scranton <rscranton@catonsvillehomes.com>

Subject: RE: 18950 Windsor Forest Rd

Let me look over the floor plans regarding the capacity issue. Regardless of whether the existing system can handle the flow, a septic permit is needed for the tie-in and our code requirements would kick in if you have an external tank to pump the sewage to the system. If it is an internal ejector pit, the plumbing inspector would have oversight. Having a holding tank for the sewage is not an option. I'll get back to you. Thanks

Jeff

From: Rob Scranton [<mailto:rscranton@catonsvillehomes.com>]

Sent: Thursday, November 12, 2015 4:08 PM

To: Williams, Jeffrey

Subject: RE: 18950 Windsor Forest Rd

Jeff,

It never occurred to me I needed a permit for a barn and certainly not a septic permit for just a powder room. In my experiences so far, the HD bases septic design on bedrooms not fixtures.

Attached are the floor plans for the barn. There is a utility sink in the Tack room which is not shown. The powder room will only be used occasionally as a convenience ILO walking back to the house. The laundry will only be used to wash horse pads, blankets and other horse related supplies (perhaps we could tie that into the wash stall drain?).

I currently have a drip irrigation system with pre-treatment (installed in ~1997) which I planned to tie into.

I do not want to go through an upgrade for just a powder room.

Is it possible to just install a tank and have it pumped; with the little bit of occasional/convenience use it will generate, pumping would occur probably once a year?

(BTW-the wash stall for the horses just daylight out the back; it is not tied into the septic!)

Rob Scranton

Catonsville Homes LLC

11175 Stratfield Court

Marriottsville, MD 21104

410.442.2211 x206

From: Williams, Jeffrey [<mailto:jewilliams@howardcountymd.gov>]

Sent: Thursday, November 12, 2015 3:51 PM

To: Rob Scranton

Subject: 18950 Windsor Forest Rd

Hello Rob. I got a call from the County Plumbing Inspector about a plumbing project in a barn at your property on 18950 Windsor Forest Rd. From the info I got, I guess there was some plumbing put in a new barn for a bathroom and laundry on the second floor. The plumbing inspector did not know how the wastewater was going to be handled once it left the building. Looking in the file, I don't see a septic permit. The plumbing inspector is going to hold off on approving the plumbing permit until we issue a septic permit. We need a few things in order to do that:

1. An applicant must submit floor plans of the proposed barn or renovations getting plumbing in the barn and a description of the proposed use.
2. The applicant must submit a sewage disposal design plan for the wastewater leaving the building. If it is tying in the existing system serving the house, we need to see details of that. If, based on item 1, we require an upgrade to the system, we would need to approve that design plan.

3. An applicant must pay the fee for the permit. If we agree to approve a tie in to the existing system, it would be a \$165 fee. If an upgrade is needed to the system, it would be a larger fee based on the scope of the upgrade.

As you can see, Floorplans and a description of the proposed use is critical for us to make a determination for the other two items. Feel free to email those to me or contact me with any questions. Thanks

Jeff Williams
Program Supervisor, Well & Septic Program
Bureau of Environmental Health
Howard County Health Dept.
410-313-4261
jewilliams@howardcountymd.gov

CONFIDENTIALITY NOTICE

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

6/17/97
out today
today

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

04-323521

P 584860A

A 50952

DISTRICT 4th

DATE 5/29/97

DATE SYSTEM APPROVED 5/24/97

INSPECTOR [Signature]

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
~~X7643933~~ 313-2640

INDEXED

Fogle's Septic Clean, Inc. IS PERMITTED TO INSTALL INSTALL ALTER

ADDRESS 558 Obrecht Road, Sykesville, Maryland 21784 PHONE 795-5674

SUBDIVISION Hobart Mullineaux Property LOT 1 ROAD 18950 Windsor Forest Road

PROPERTY OWNER Robert A & Kristina Scranton

ADDRESS _____

ALTERNATIVE SEPTIC SYSTEM DESIGN TYPE: Drip Irrigation

- Septic Tank: 1500 Gallon Top Seamed 2 Compartment
- Pump Chamber: 1500 Gallon Top Seamed
- Recirculating Sand Filter - 90 Square Feet Total
- House Size: 4 Bedrooms

See Attached Design Plans and Specifications as Provided by American Manufacturing Company and Approved by Barry Glotfelty of MDE on March 7, 1997

PLANS APPROVED BY [Signature] DATE 5/14/97

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

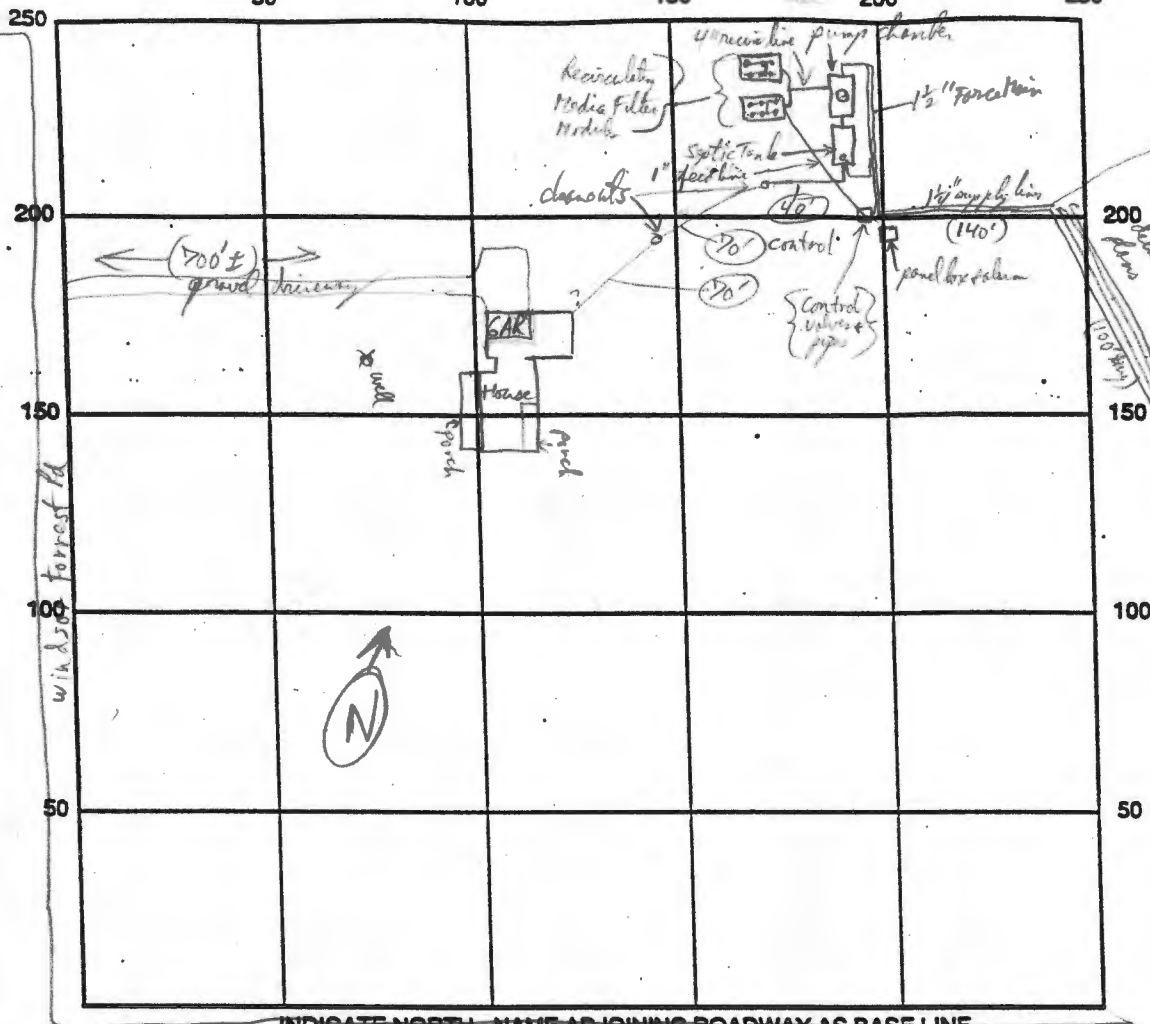
NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

PERMIT VOID AFTER TWO YEARS

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 8 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



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

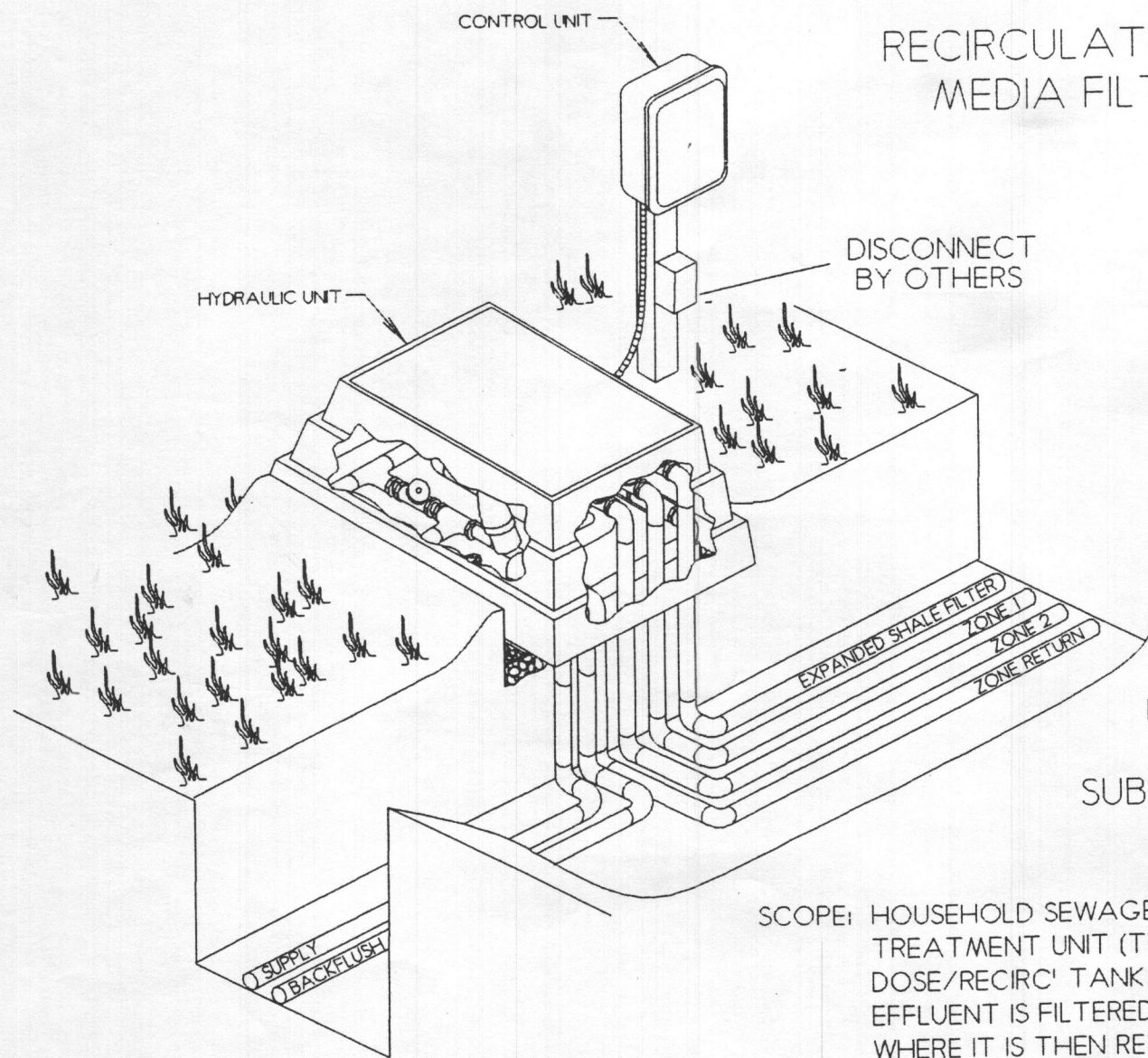
Septic Tanks Level 1500 gal Top Second chamber
 Dosing Chamber Level 1500 gal Top Second chamber
~~Pump~~ Single Pump
 Controls ✓ OK, ran thru 13.9 min backflow, 6" min pressure
 Alarm dosing cycle & valves OK
 Pump Test OK 6/23/97
 Piezometers NA
 Observation Ports NA
 Float Settings High Off: _____
 High On: _____
 Low Off: _____
 Low On: _____

Trench: dry line (see approved plan for details)
 Width _____
 Length _____
 Bottom _____
 Depth _____
 Inlet _____
 Depth _____
 Gravel _____
 Depth _____

Alarm Float: _____
 Remarks: 6/17/97 Septic tank, Pump chamber, Recirculating Sand Filter, house connection installed previously (No record) Top inch piping in Recirc Media Filter is to be replaced (per Owner Mfg) Not completed yet, Small hole with unable to install drip line deep enough (dry soils) 6/18/97 Finished installing drip line, connections to be done tomorrow, tentatively ready for pump test on Friday (6/20) 6/18/97 AP
6/23/97 Pump Test OK

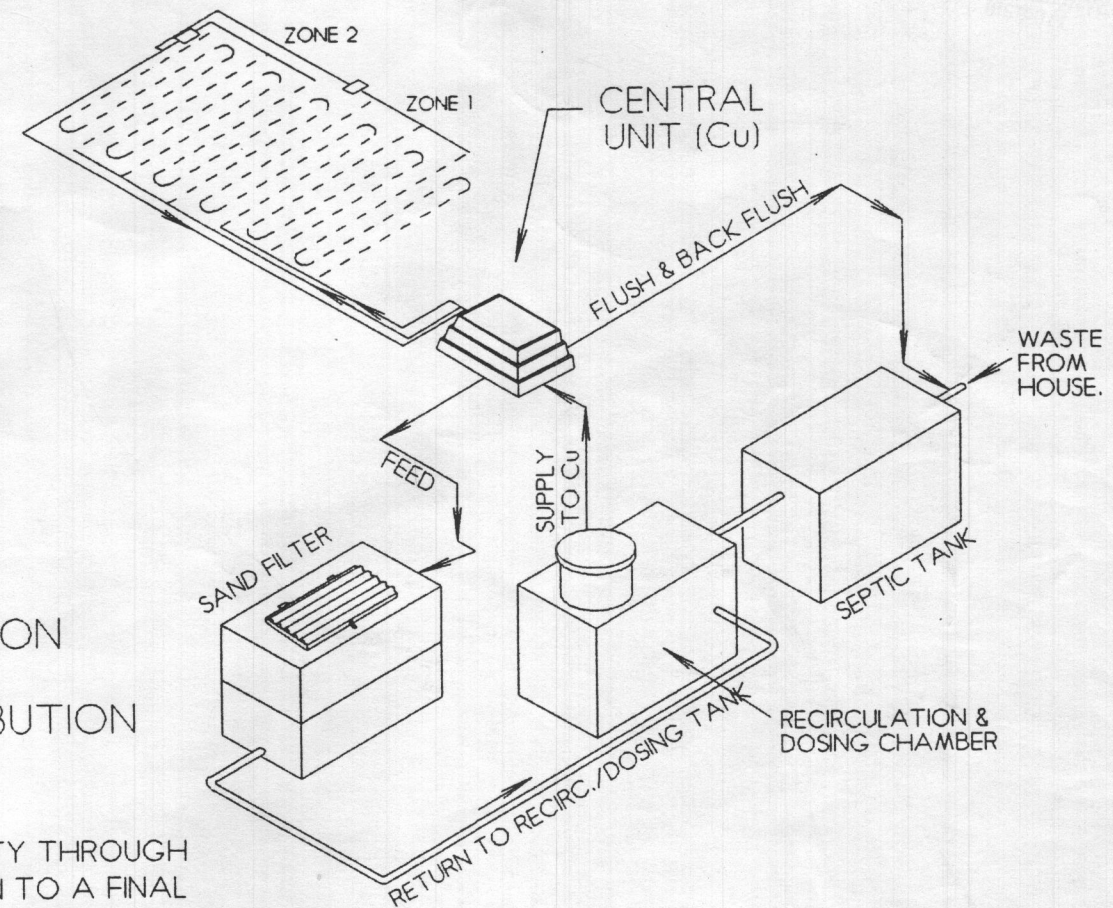
Date System Approved 6/24/97 Inspector Rand Paul

DRIP DISPOSAL SYSTEM WITH RECIRCULATING EXPANDED SHALE MEDIA FILTER PRETREATMENT



UNIQUE FILTRATION AND SUBSURFACE DISTRIBUTION SYSTEM

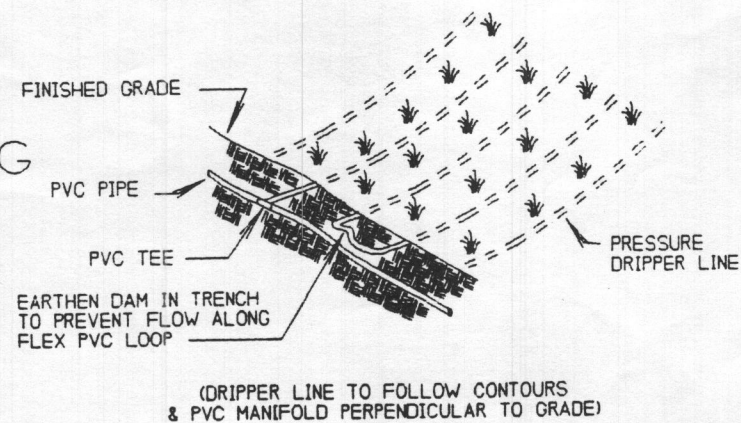
SCOPE: HOUSEHOLD SEWAGE WILL FLOW BY GRAVITY THROUGH TREATMENT UNIT (TYP. SEPTIC TANK) THEN TO A FINAL DOSE/RECIRC' TANK. FROM THE DOSE/RECIRC' TANK THE EFFLUENT IS FILTERED THROUGH A EXPANDED SHALE FILTER WHERE IT IS THEN RETURNED TO THE DOSE/RECIRC' TANK FOR MIXING AND DISPOSAL. THE CENTRAL UNIT WILL DISPOSE OF THE EFFLUENT BY ALTERNATELY DOSING MULTIPLE ZONES IN THE SOIL ADSORPTION AREA. THE CENTRAL UNIT COMPRISES BOTH THE HYDRAULIC AND CONTROL UNITS.



INDEX

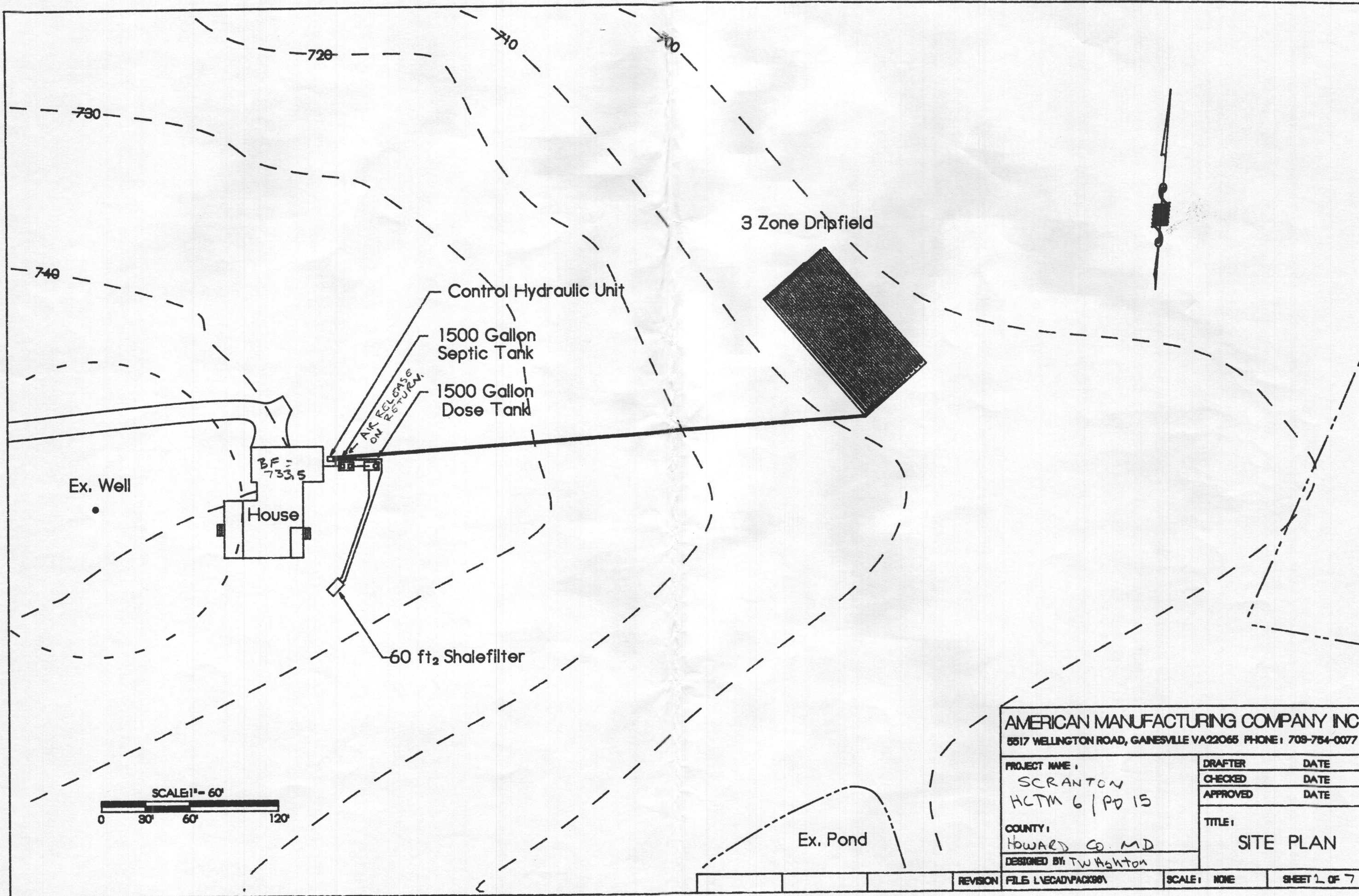
SHT 1	COVER SHEET
SHT 2	SITE PLAN
SHT 2a	ZONE DETAIL
SHT 3	PUMP DETAIL
SHT 4	HYDRAULIC PROFILE & RSF DETAIL & CALC.
SHT 5	CALCULATION SHEET
SHT 6	CONSTRUCTION DETAILS

PRESSURE COMPENSATING "DRIP DISPOSAL"



AMERICAN MANUFACTURING COMPANY INC.
5517 WELLINGTON ROAD, GAINESVILLE VA22065 PHONE :- 703-754-0077

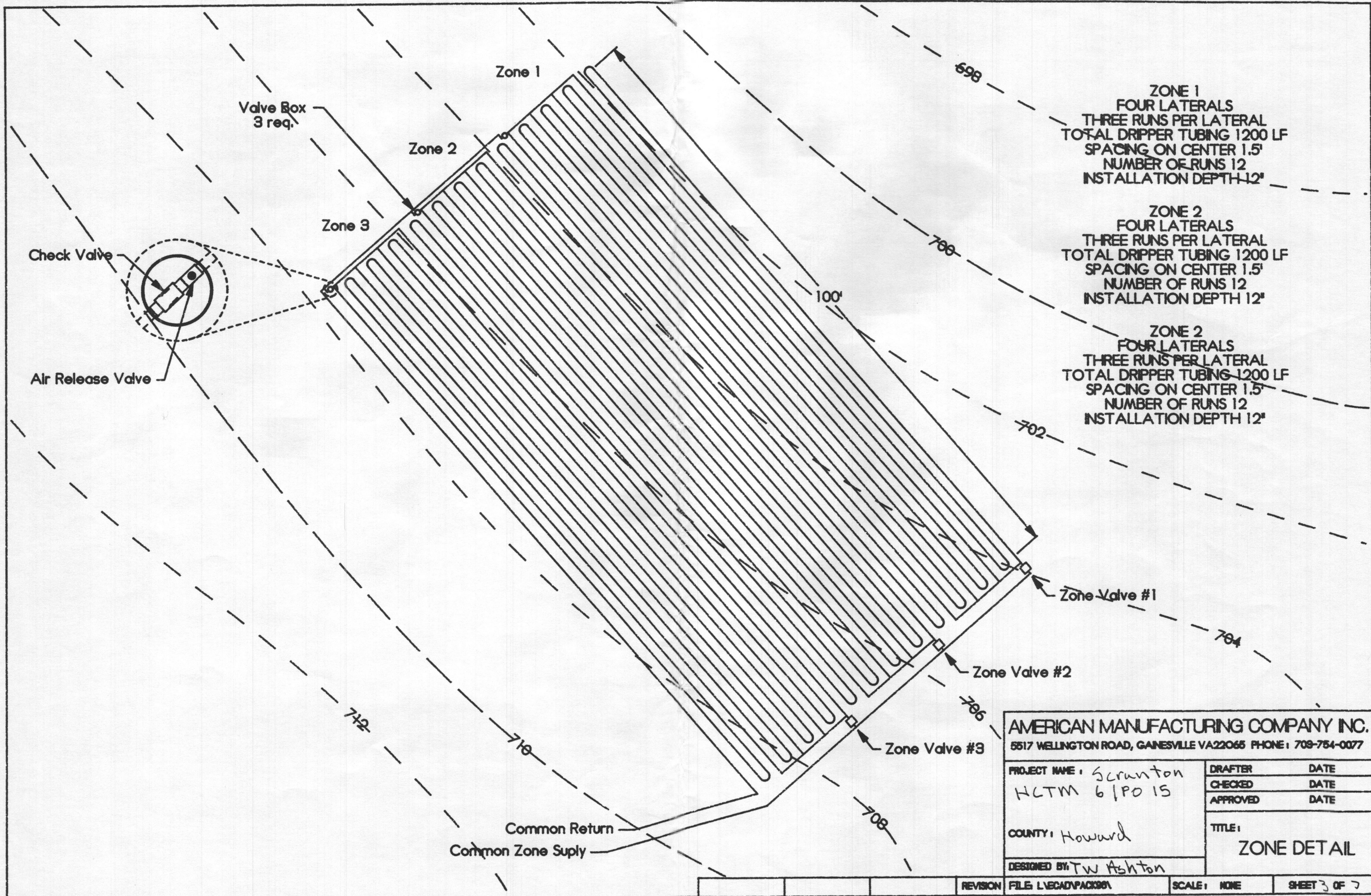
PROJECT NAME : SCRANTON HCTM 6 / 10 15	DRAFTER	DATE
	CHECKED	DATE
	APPROVED <i>BAM</i>	DATE 11/14/96
COUNTY : Howard Co. MD	TITLE : COVER SHEET	
DESIGNED BY: T. Ashton		



AMERICAN MANUFACTURING COMPANY INC. 5517 WELLINGTON ROAD, GAINESVILLE VA22065 PHONE: 709-754-0077			
PROJECT NAME: SCRANTON HCTM 6 / PD 15		DRAFTER	DATE
		CHECKED	DATE
		APPROVED	DATE
COUNTY: HOWARD CO MD		TITLE: SITE PLAN	
DESIGNED BY: TW Ashton			



REVISION	FILE L\ECAD\PACK80\	SCALE: NONE	SHEET 2 OF 7
----------	---------------------	-------------	--------------

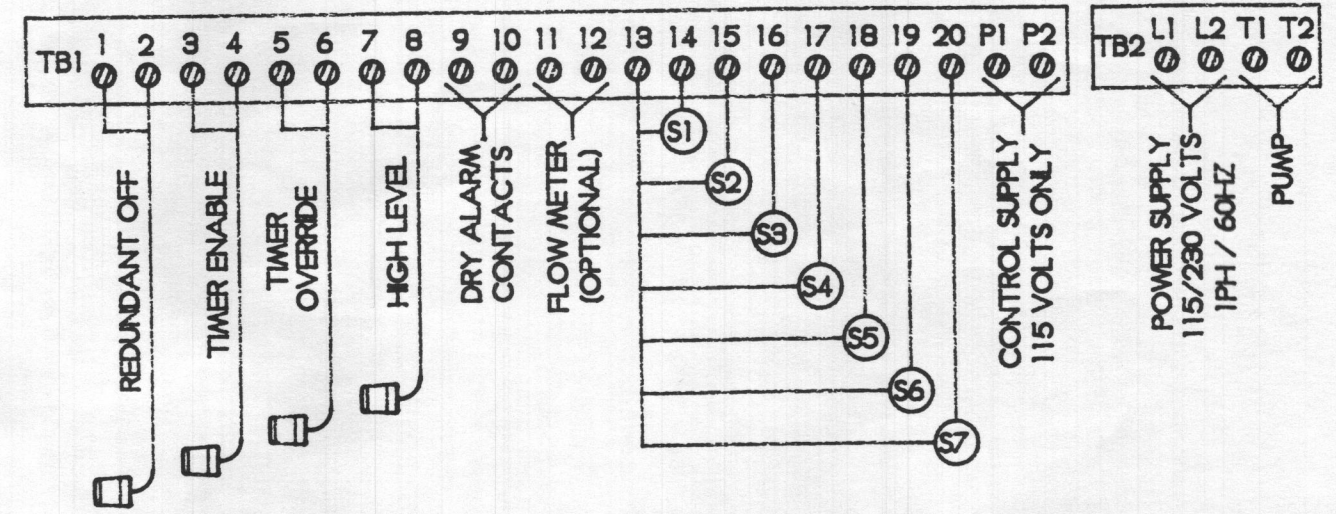
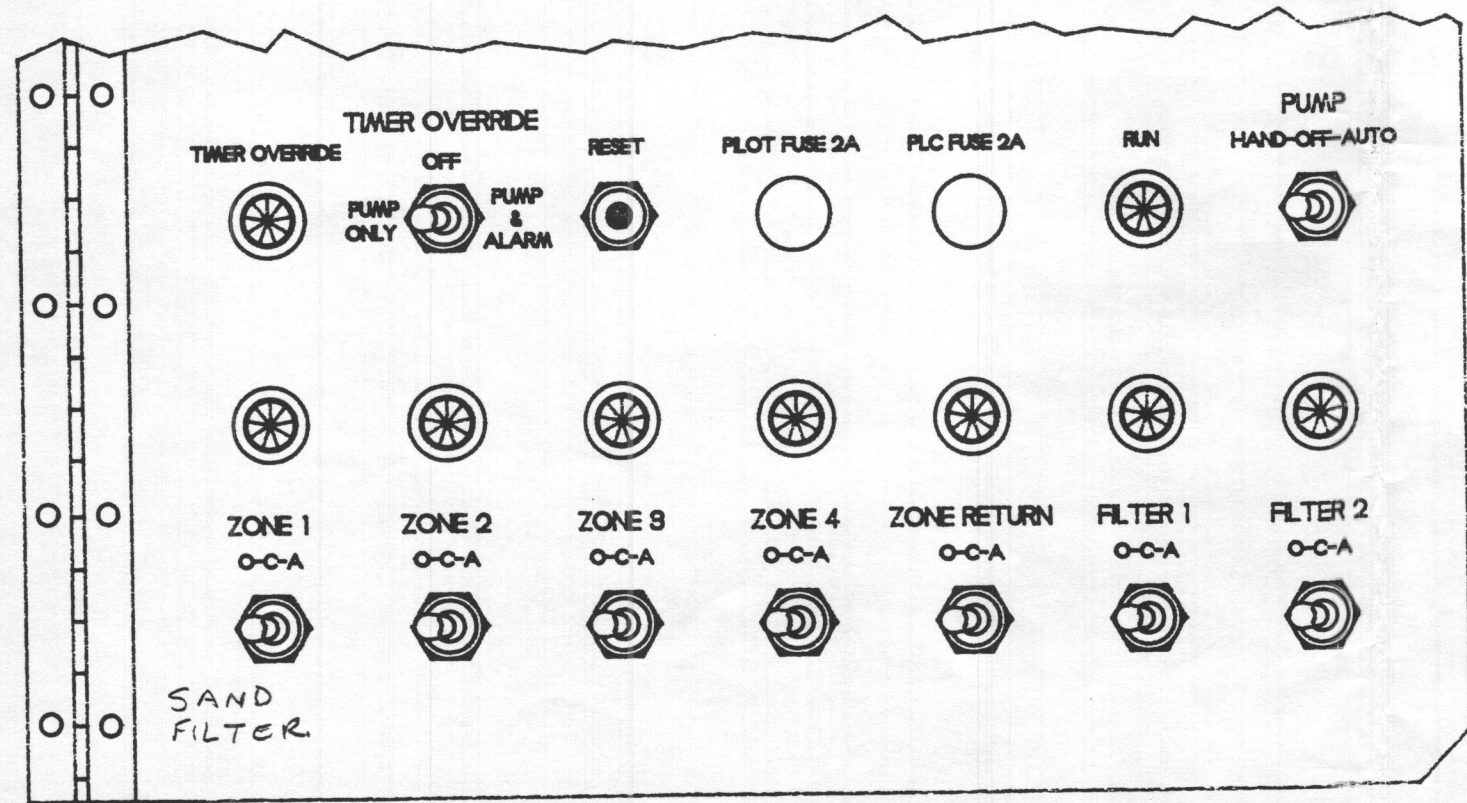
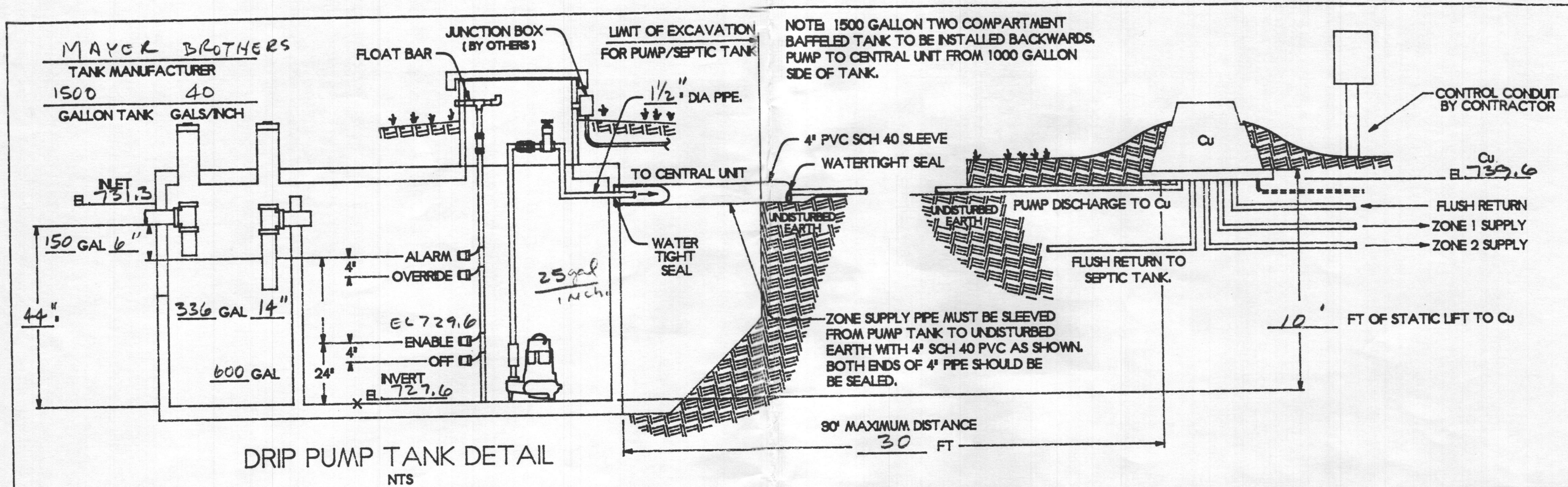


ZONE 1
 FOUR LATERALS
 THREE RUNS PER LATERAL
 TOTAL DRIPPER TUBING 1200 LF
 SPACING ON CENTER 1.5'
 NUMBER OF RUNS 12
 INSTALLATION DEPTH 12"

ZONE 2
 FOUR LATERALS
 THREE RUNS PER LATERAL
 TOTAL DRIPPER TUBING 1200 LF
 SPACING ON CENTER 1.5'
 NUMBER OF RUNS 12
 INSTALLATION DEPTH 12"

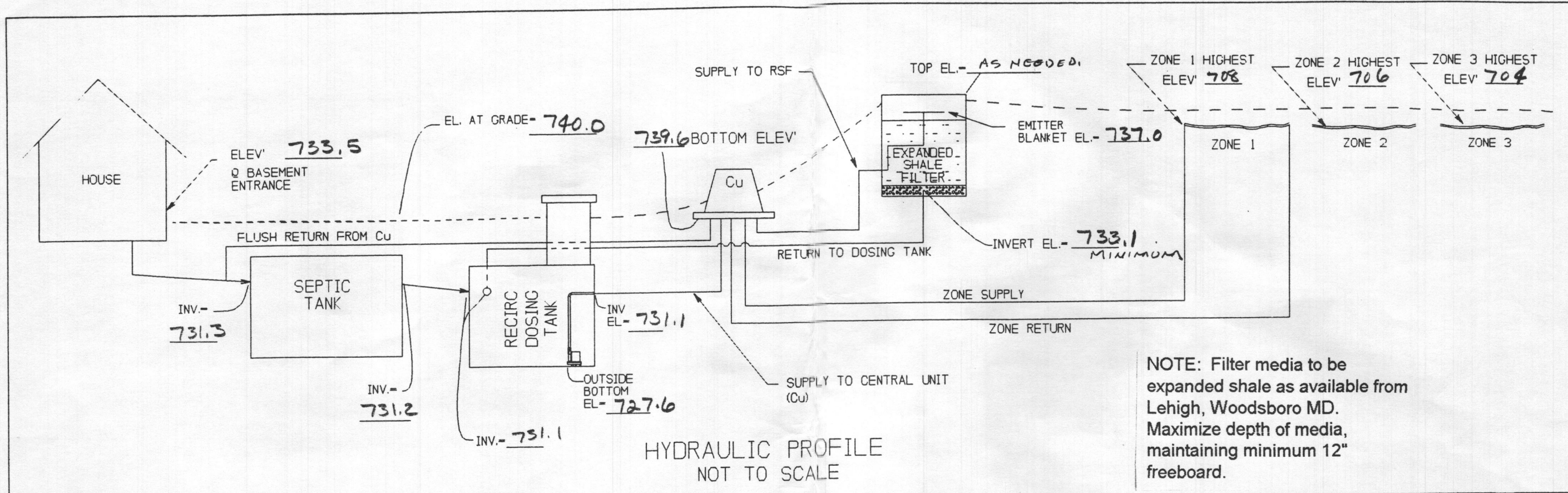
ZONE 2
 FOUR LATERALS
 THREE RUNS PER LATERAL
 TOTAL DRIPPER TUBING 1200 LF
 SPACING ON CENTER 1.5'
 NUMBER OF RUNS 12
 INSTALLATION DEPTH 12"

AMERICAN MANUFACTURING COMPANY INC.	
5517 WELLINGTON ROAD, GAINESVILLE VA22065 PHONE: 709-754-0077	
PROJECT NAME: <i>Scranton</i>	DRAFTER _____ DATE _____
<i>HCTM 6/PO 15</i>	CHECKED _____ DATE _____
COUNTY: <i>Howard</i>	APPROVED _____ DATE _____
DESIGNED BY: <i>TW Ashton</i>	TITLE: ZONE DETAIL
REVISION _____	FILE: <i>LVECADVPACK38A</i>
SCALE: <i>NONE</i>	SHEET <i>3</i> OF <i>7</i>



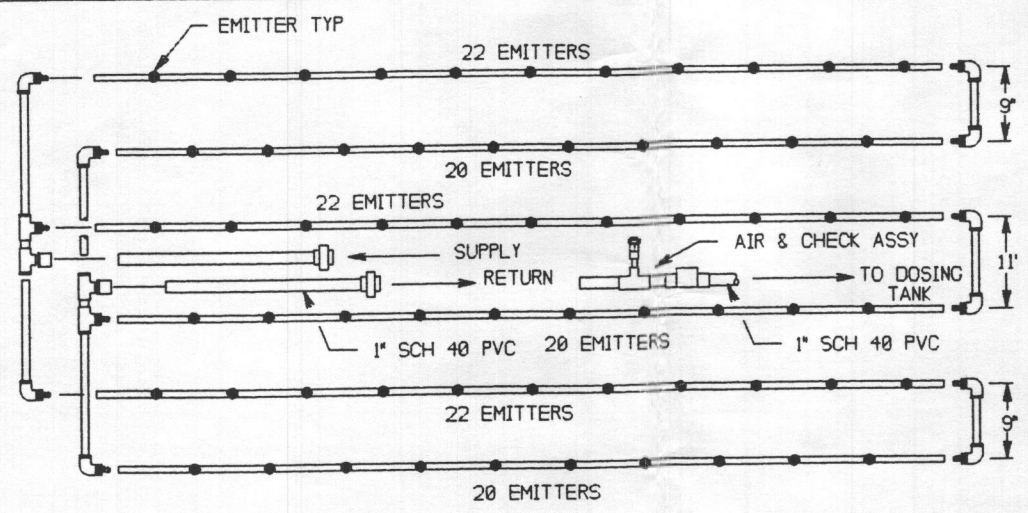
NOTE: Area subject to high groundwater. Top seam tanks specified. Install tanks as shallow as possible, preferably with seam above existing grade. Additional waterproofing to be by bentonite grout at all septic tank and pump chamber inlets / outlets. It is highly recommended that tank seams be grouted with bentonite or flowable fill.

AMERICAN MANUFACTURING COMPANY INC.			
5517 WELLINGTON ROAD, GAINESVILLE VA 22065 PHONE: 708-754-0077			
PROJECT NAME: SCRANTON HCTM 6/PO15		DRAFTER	DATE
DESIGNED BY:		CHECKED	DATE
COUNTY: Howard		APPROVED	DATE
		TITLE: PUMP & CONTROL DETAIL	
REVISION	FILE L:\DATA\ROAD\PACKAGE\DRP4	SCALE:	SHEET 4 OF 7



NOTE: Filter media to be expanded shale as available from Lehigh, Woodsboro MD. Maximize depth of media, maintaining minimum 12" freeboard.

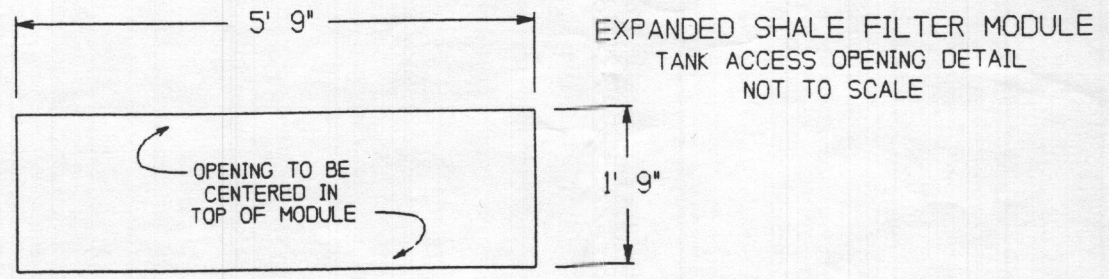
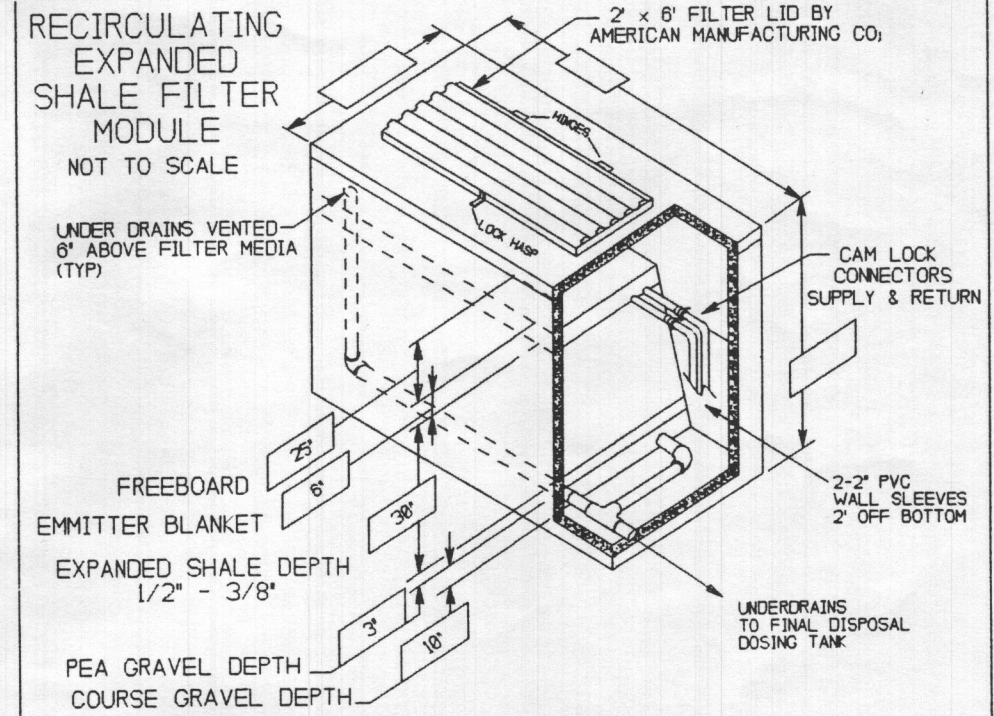
- DRIP DISPOSAL TO RECIRCULATING EXPANDED SHALE FILTER CALCULATION SHEET
DESIGNER'S NAME: R. Mayer, PE
- 4 NUMBER OF BEDROOMS WATER CONSERVATION YES () NO ()
 - 150 GPD/BEDROOM
 - 600 TOTAL GALLONS (minimum)
 - 10 DESIGN GAL/SOFT/DAY EXPANDED SHALE FILTER LOADING RATE
 - 60 SO FEET FILTER REQUIRED (#3 / #4)
 - 1 SF MODULE @ 60 SO FT / MODULE 0.2 @ 43 ft
 - TOTAL SO FT @ GPD/SO FT PROVIDED 6.6 gal ft
 - 4 .1 DESIGN RECIRCULATION RATIO BASED ON FORWARD FLOW
 - 2400 TOTAL GALLONS PER DAY DOSED (#8X #3)
 - 16 CYCLES PER DAY
 - 1 HR 30 MIN FREQUENCY OF CYCLE
 - 150 GALLONS PER CYCLE (#9/#10)
 - INCHES COVER PER CYCLE (#12/ 7.48) / #7X 12
 - GALLONS -DOSING TANK SIZE @ GALLONS/INCH OF TANK
 - 6' INCHES DRAWN PER CYCLE (#12 / #14a)
 - 100 GALLONS RECIRCULATION STORAGE (1/2 DAY TO 1 DAY)
 - 102 NUMBER OF FILTERS TO RECEIVE PUMP DISCHARGE
 - NUMBER OF EMITTERS PER FILTER
 - GPM PER EMITTER
 - DESIGN PSI FOR EMITTERS
 - 10 TOTAL GPM (#17 X #18 X #19)
 - 8.1 FEET OF STATIC HEAD _____ PSI
 - 1" INCHES DIAMETER SUPPLY PIPE
 - 100 FEET OF EQUIVALENT LENGTH OF SUPPLY PIPE
 - PSI TOTAL HEAD LOSS FOR FILTERS (Q # 20 & #21)
 - MINUTES _____ SECONDS DRAWDOWN TIME AT (#12), (#12 / #21)



THE EMITTER BLANKET IS SHIPPED COMPLETE IN A SINGLE BOX. THE SIX, EIGHT FOOT LATERALS COILED INSIDE ARE PREASSEMBLED WITH END PIECES READY TO RECEIVE THE INSERT CONNECTORS.

EMITTER BLANKET
NOT TO SCALE

RECIRCULATING EXPANDED SHALE FILTER MODULE
NOT TO SCALE



AMERICAN MANUFACTURING COMPANY INC.
5517 WELLINGTON ROAD, GAINESVILLE VA 22065 PHONE 1-703-754-0077

PROJECT NAME: SCRANTON HCLM 6/PO15

COUNTY: HOWARD COUNTY

DESIGNED BY: R.B. Mayer

DRAFTER	DATE
CHECKED	DATE
APPROVED	DATE <u>11/13/96</u>

TITLE: HYDRAULIC PROFILE & RSF DETAIL & CALC.

REVISION: _____ FILE: L:\ECAD\PACKTEMP\TEMP585 SCALE: NONE SHEET 5 OF 7

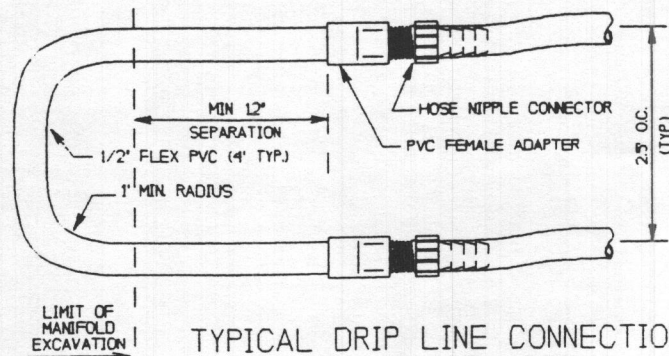
DRIP DESIGN WORKSHEET

- 1. 4 BEDROOMS @ 150 GPD, WATER CONSERVATION YES () NO ()
- 2. 600 GALLONS PER DAY
- 3. IF TEXTURE GROUP SOIL CLASSIFICATION
- 4. 14 GPD/FT² TARGET SOIL LOADING RATE @ 12"
- 5. 100' FT. X 55' FT. AREA FOR DISPOSAL LAYOUT a) 5500 FT²
- 6. 11 GPD/FT² SOIL LOADING RATE PROVIDED (#2 / # 5a)
- 7. 3 ZONES
- 8. 3600 TOTAL DRIPPER LINE REQUIRED
- 9. 1.5 REQUIRED LINE SPACING
- 10. 1500 SEPTIC TANK SIZE } Top seam butteled
- 11. 1500 DOSING TANK SIZE
- 12. 25+ GALLONS PER INCH DOSING TANK 1000 portion
- 13. ZONE ONE
- 14. TOTAL ABSORPTION AREA
- 15. 1200 LINEAR FEET DRIPPER LINE
- 16. 300 LONGEST LATERAL LENGTH
- 17. 6.5 GPM DOSING FLOW RATE
- 18. 4 # OF FIELD FLUSH CONNECTIONS
- 19. 6.4 GPM FIELD FLUSH FLOW RATE
- 20. 12.9 GPM TOTAL FLOW REQUIRED
- 21. ZONE TWO
- 22. TOTAL ABSORPTION AREA
- 23. 1200 LINEAR FEET DRIPPER LINE
- 24. 300 LONGEST LATERAL LENGTH
- 25. 6.5 GPM DOSING FLOW RATE
- 26. 4 # OF FILED FLUSH CONNECTIONS
- 27. 6.4 GPM FIELD FLUSH FLOW RATE
- 28. 12.9 GPM TOTAL FLOW REQUIRED
- 29. ZONE THREE
- 30. TOTAL ABSORPTION AREA
- 31. 1200 LINEAR FEET DRIPPER LINE
- 32. 300 LONGEST LATERAL LENGTH
- 33. 6.5 GPM DOSING FLOW RATE
- 34. 4 # OF FIELD FLUSH CONNECTIONS
- 35. 6.4 GPM FIELD FLUSH FLOW RATE
- 36. 12.9 GPM TOTAL FLOW REQUIRED
- 37. ZONE FOUR
- 38. TOTAL ABSORPTION AREA
- 39. LINEAR FEET DRIPPER LINE
- 40. LONGEST LATERAL LENGTH
- 41. GPM DOSING FLOW RATE
- 42. # OF FIELD FLUSH CONNECTIONS
- 43. GPM FIELD FLUSH FLOW RATE
- 44. GPM TOTAL FLOW REQUIRED
- 45. ZONE FIVE
- 46. TOTAL ABSORPTION AREA
- 47. LINEAR FEET DRIPPER LINE
- 48. LONGEST LATERAL LENGTH
- 49. GPM DOSING FLOW RATE
- 50. # OF FIELD FLUSH CONNECTIONS
- 51. GPM FIELD FLUSH FLOW RATE
- 52. GPM TOTAL FLOW REQUIRED
- 53. ZONE SIX
- 54. TOTAL ABSORPTION AREA
- 55. LINEAR FEET DRIPPER LINE
- 56. LONGEST LATERAL LENGTH
- 57. GPM DOSING FLOW RATE
- 58. # OF FILED FLUSH CONNECTIONS
- 59. GPM FIELD FLUSH FLOW RATE
- 60. GPM TOTAL FLOW REQUIRED
- 61. ZONE SEVEN
- 62. TOTAL ABSORPTION AREA
- 63. LINEAR FEET DRIPPER LINE
- 64. LONGEST LATERAL LENGTH
- 65. GPM DOSING FLOW RATE
- 66. # OF FIELD FLUSH CONNECTIONS
- 67. GPM FIELD FLUSH FLOW RATE
- 68. GPM TOTAL FLOW REQUIRED
- 69. ZONE EIGHT
- 70. TOTAL ABSORPTION AREA
- 71. LINEAR FEET DRIPPER LINE
- 72. LONGEST LATERAL LENGTH
- 73. GPM DOSING FLOW RATE
- 74. # OF FIELD FLUSH CONNECTIONS
- 75. GPM FIELD FLUSH FLOW RATE
- 76. GPM TOTAL FLOW REQUIRED

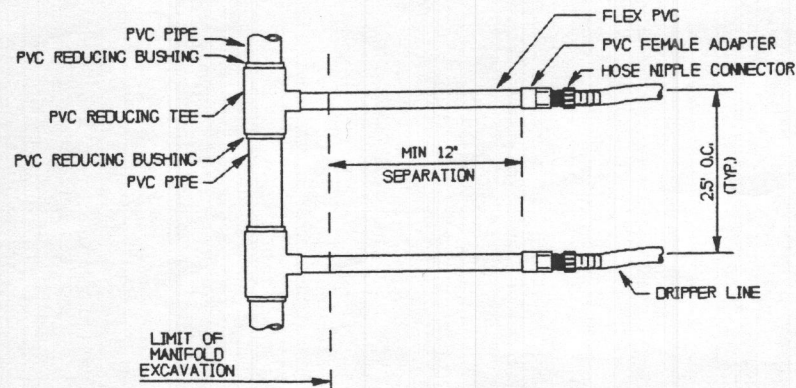
- 77. SYSTEM DESIGN
- 78. 13 GPM MAXIMUM DESIGN FLUSHING FLOW
- 79. 12 FT HD LOSS PERC-RITE UNIT

- 80. DISCHARGE PIPE CALCULATION
- 81. 1 1/2 INCH DIA. DISCHARGE PIPE SIZE
- 82. 30 LENGTH DISCHARGE PIPE 80 EQUIVALENT LENGTH OF PIPE.
- 83. 6 FT. STATIC LIFT TO CENTRAL UNIT
- 84. 8 FT HD LOSS TOTAL DISCHARGE LINE @ MAX FLUSH FLOW #78 @ 13 GPM
- 85. FORCE MAIN SUPPLY LINE PIPE SIZE & LENGTH
- 86. ZONE ONE TWO THREE FOUR FIVE SIX SEVEN EIGHT
- 87. PIPE SIZE 1" 1" 1" --- --- --- --- ---
- 88. PIPE LENGTH 410 385 360 --- --- --- --- ---
- 89. FT LOSS 37 35 33 --- --- --- --- ---
- 90. RETURN FLUSH LINE SIZE
- 91. ZONE ONE TWO THREE FOUR FIVE SIX SEVEN EIGHT
- 92. PIPE SIZE 1" 1" 1" --- --- --- --- ---
- 93. PIPE LENGTH 500 470 460 --- --- --- --- ---
- 94. FT LOSS 13 12 12 --- --- --- --- ---
- 95. 30 FT HD LOSS TOTAL STATIC (VERTICAL) LIFT TO FIELD.
- 96. TOTAL PRESSURE LOSS (ADD ITEMS; 79,84,85,90,95,+FLUSHING)
- 97. ZONE ONE TWO THREE FOUR FIVE SIX SEVEN EIGHT
- 98. INCLUDES :-
- 99. FLUSHING FT 35' 35' 35' --- --- --- --- ---
- 100. TOTAL LOSS 75 72 70' --- --- --- --- ---
- 101. PUMP SIZING
- 102. 75' FLUSH HD LOSS TOTAL @ 13 GPM ZONE 1 (HIGHEST FT HD)
- 103. 115 BACKFLUSH HD LOSS @ 15 GPM @ 50PSI @ PERC RITE UNIT (INCLUDES #84)
- 104. PUMP MODEL ZOELLER 191
- 105. 15 GPM @ 115 FT HD 230 VOLTS 1 PHASE 2 HP
- 106. TIME DOSING PER ZONE
- 107. ZONE ONE TWO THREE FOUR FIVE SIX SEVEN EIGHT
- 108. GPM 6.5 6.5 6.5 --- --- --- --- ---
- 109. MIN/DOSE 10 1/4 10 1/4 10 1/4 --- --- --- --- ---
- 110. CYCLES 3 3 3 --- --- --- --- ---
- 111. GAL/DOSE 66 2/3 66 2/3 66 2/3 --- --- --- --- ---
- 112. 2" INCHES DRAWDOWN PER CYCLE.
- 113. PUMP CHECK FOR RECIRCULATING SAND FILTER (** IF USED**)
- 114. 10 TOTAL GPM RECIRCULATING SAND FILTER
- 115. 10 FEET OF STATIC HEAD
- 116. 1" INCHES DIAMETER SUPPLY PIPE
- 117. 100' FEET OF EQUIVALENT LENGTH OF SUPPLY PIPE
- 118. 75 FT TOTAL HEAD LOSS FOR FILTERS (ADD #'S 79,84,115,117,EMITTERS)
- 119. (YES () NO : PUMP FOR DRIP FIELD IS OK FOR FILTERS
- 120. 15 MINUTES --- SECONDS DRAWDOWN TIME FILTERS

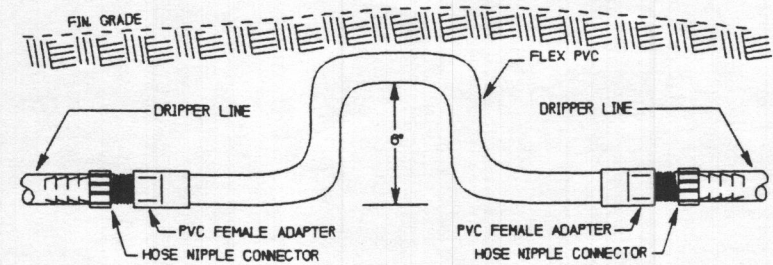
AMERICAN MANUFACTURING COMPANY INC.	
5517 WELLINGTON ROAD, GAINESVILLE VA 22065 PHONE :- 703-754-0077	
PROJECT NAME :	DRAFTER DATE
<u>SCRANTON</u>	CHECKED DATE
<u>HCTM 6 / po 15</u>	APPROVED DATE
COUNTY :	TITLE :
<u>HOWARD CO. MD.</u>	<u>CALCULATION SHEET</u>
DESIGNED BY: <u>RB Mayer</u>	
REVISION	FILE: L\ECAD\PACK\TEMP\TEMP\SH5
SCALE: NONE	SHEET <u>6</u> OF <u>7</u>



TYPICAL DRIP LINE CONNECTION IN TURN OR LOOP
DETAIL
NOT TO SCALE

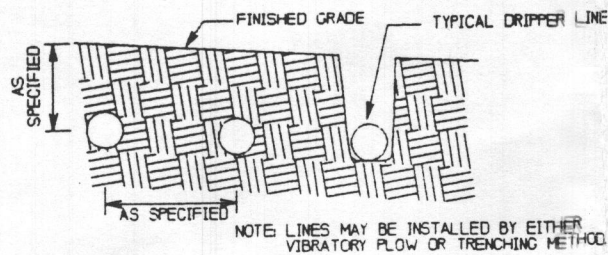


TYPICAL DRIP LINE CONNECTION TO PVC
DETAIL
NOT TO SCALE
(MAY VARY ACCORDING TO MANUFACTURER'S SPECIFICATIONS)

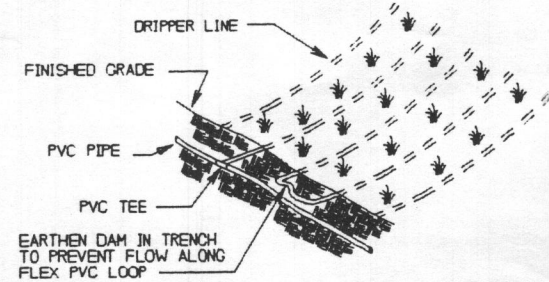


CONTOUR DAM
DETAIL
NOT TO SCALE

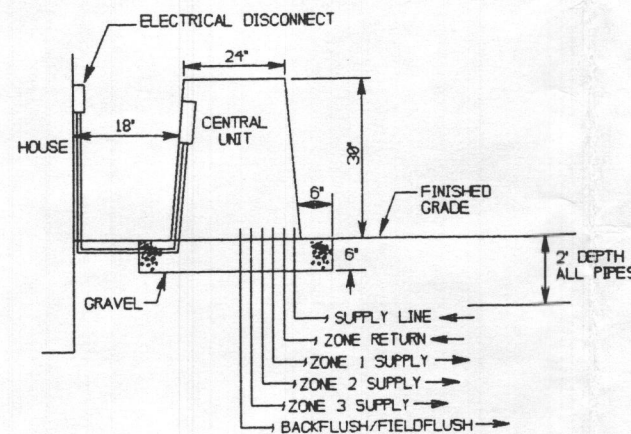
DRIP LINE LATERALS MUST BE PLACED ON CONTOUR WITHIN 15' OF ELEVATION DIFFERENCE ACROSS THE ENTIRE LATERAL. IN THE EVENT THE CONTOUR CHANGE ALONG THE LATERAL IS GREATER THAN 6" IN 50', CLAY WATER STOP DAMS SHALL BE INSTALLED IN THE LATERAL TO PREVENT WATER IN THE TRENCH FROM FOLLOWING THE PIPE DOWN THE SLOPE MORE THAN 50'.



DRIP DISPOSAL LINE INSTALLATION
DETAIL
NOT TO SCALE



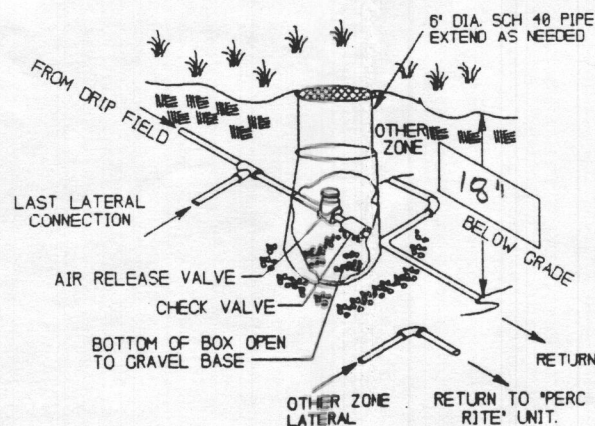
SECTION DETAIL
NOT TO SCALE
(DRIP LINE TO FOLLOW CONTOURS & PVC MANIFOLD PERPENDICULAR TO GRADE)



CENTRAL UNIT
DETAIL
NOT TO SCALE

AIR
RELEASE
& CHECK
VALVE
DETAIL

NOT TO SCALE



NOTE:
1. THE AIR RELEASE VALVE SHALL BE PLACED AT THE HIGHEST POINT ON THE RETURN LINE OF EACH ZONE.
2. EACH ZONE TO HAVE THE SAME VALVE BOX SETUP AND THEREAFTER CONNECTED.

GENERAL NOTES DRIP DISPOSAL

1. ALL INSTALLATION AND CONSTRUCTION TECHNIQUES SHALL CONFORM TO COUNTY, STATE REGULATIONS, COMAR 26.04.02. SYSTEMS AND THE PERMIT FOR THIS SITE.
2. THE INSTALLATION OF THIS SYSTEM SHALL BE IN ACCORDANCE WITH SPECIFICATIONS AND PROCEDURES AS SUPPLIED BY THE MANUFACTURER OF THE EQUIPMENT.
3. ALL PVC PIPE AND FITTINGS SHALL BE PVC SCH 40 TYPE 1 RATED FOR PRESSURE APPLICATIONS. ALL GLUED JOINTS SHALL BE CLEANED AND PRIMED WITH PURPLE (DYED) PVC PRIMER PRIOR TO BEING GLUED.
4. ALL CUTTING OF PVC PIPE, FLEXIBLE PVC AND DRIPPER TUBING SHALL BE ACCOMPLISHED WITH PIPE CUTTERS APPROVED BY MANUFACTURER. NO SAWING OF PVC, PVC FLEXIBLE OR DRIPPER TUBING ALLOWED.
5. ALL PVC PIPE, FLEXIBLE PVC AND DRIPPER TUBING IN THE WORK AREA SHALL HAVE THE ENDS COVERED WITH DUCT TAPE TO PREVENT CONSTRUCTION DEBRIS FROM ENTERING THE PIPE. PRIOR TO GLUING ALL JOINTS SHALL BE INSPECTED FOR AND CLEARED OF ANY CONSTRUCTION DEBRIS.
6. NO WET WEATHER INSTALLATION IS PERMITTED.
7. NO ACTIVITY ON DRAINFIELD AREA OTHER THAN MINIMUM REQUIRED TO INSTALL SYSTEM. DO NOT PARK EQUIPMENT, DRIVE LARGE EQUIPMENT OVER, OR STORE MATERIALS ON DRAINFIELD SITE.
8. HORIZONTAL SPACING BETWEEN DRIPPER LINES AND THE INSTALLATION DEPTH SHALL BE AS SPECIFIED.
9. PRIOR TO STARTUP OF THE DRIP DISPOSAL SYSTEM THE AIR RELEASE VALVES SHALL BE REMOVED AND EACH ZONE IN THE SYSTEM SHALL BE FLUSHED AS FOLLOWS: a) USING AN APPROPRIATE LENGTH OF FLEXIBLE PVC PIPE WITH A MALE FITTING ATTACHED TO THE AIR RELEASE CONNECTION TO DIRECT THE FLUSHING WATER AWAY FROM THE CONSTRUCTION AREA. b) FLUSH THE ZONE WITH A VOLUME OF WATER (CLEAN WATER TO BE PROVIDED BY CONTRACTOR) EQUAL TO 1.5 TIMES THE VOLUME OF THE PIPES FROM THE CENTRAL UNIT TO THE AIR RELEASE VALVE. c) REPEAT THIS PROCEDURE FOR EACH ZONE (THE FLUSHING OF THE SYSTEM IS ACCOMPLISHED BY MANUAL OVERRIDE OF THE CONTROL PANEL BY THE MANUFACTURER OR ENGINEER.)
10. IF EXISTING SEPTIC TANKS ARE TO BE USED, THEY SHALL BE PUMPED OUT BY A COMMERCIAL SEPTIC TANK CLEANER. AFTER THE TANK IS EMPTIED IT SHALL BE RINSED, PUMPED AND REFILLED WITH CLEAN WATER. DEBRIS IN SEPTIC TANK MUST BE KEPT TO A MINIMUM AS IT COULD CLOG THE DISK FILTERS DURING START UP. AS DISK FILTERS ARE NOT BACKFLUSHED DURING STARTUP AND ANY CLOGGING COULD CAUSE INCORRECT FLOW RATE READINGS FOR THE CONTROLLER. IF UTILIZED SEPTIC TANKS MUST BE WATERTIGHT.
11. IF TREES ARE TO BE REMOVED FROM SITE, CUTT STUMPS FLUSH WITH GROUND. REMOVE BY HAND.
12. GRAVEL BASE UNDER CENTRAL CONTROL UNIT IS TO BE DRAINED VIA 2" PVC PIPE, SCREENED AT INLET AND OUTLET, DISCHARGE TO BE AT GRADE DOWN SLOPE. (TO ENSURE DRAINAGE OF SURFACE WATER FROM UNIT)
13. THE CONTRACTOR SHALL BE CERTIFIED TO INSTALL THIS TYPE OF SYSTEM BY THE MANUFACTURER AND SHALL HOLD A PRECONSTRUCTION MEETING WITH THE INDIVIDUALS RESPONSIBLE FOR SOIL EVALUATION, PERMITTING AND INSPECTIONS PRIOR TO SITE WORK BEGINNING TO INSURE PROTECTION OF THE SITE CONDITIONS AND TO ENSURE THE SYSTEM IS INSTALLED ACCORDING TO DESIGN.
14. IF SITE CONDITIONS ARE DETERMINED TO REQUIRE THE INSTALLATION OF THE SYSTEM TO DEVIATE FROM THESE PLANS, ALL SITE WORK SHALL STOP IMMEDIATELY AND THE DESIGNER SHALL BE NOTIFIED. ANY ONGOING WORK SHALL BE AT THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
15. ULTRA SHALLOW PLACED DRIP TUBING, SHALL BE COVERED WITH 12"-18" ADDITIONAL COVER.
16. OPERATION AND MAINTAINCE MANUAL TO BE PROVIDED AT JOB COMPLETION.
17. THE EXPANDED SHALE MEDIA FOR RECIRCULATING FILTER SHALL BE SUPPLIED BY: LEE HIGH PORTLAND CEMENT, DEPT. 810, ALEXANDRIA, VA, 22334.

AMERICAN MANUFACTURING COMPANY INC.
5517 WELLINGTON ROAD, GAINESVILLE VA 22065 PHONE :- 703-754-0077

PROJECT NAME : Scranton

NCTM 61P015

COUNTY : Howard

DESIGNED BY: T.W Ashton

DRAFTER DATE

CHECKED DATE

APPROVED DATE

TITLE: DRIP SYSTEM
CONSTRUCTION
DETAILS

REVISION

FILE: R:\ECAD\TEMPLATE\TEMP\SH16

SCALE: NONE

SHEET 6 OF 7

11/13/18

No answer at front door, NOV posted to 18950 Windsor Forest Road (SC).



Williams, Jeffrey

From: Williams, Jeffrey
Sent: Monday, November 16, 2015 8:16 AM
To: 'Rob Scranton'
Subject: RE: 18950 Windsor Forest Rd

Let me look over the floor plans regarding the capacity issue. Regardless of whether the existing system can handle the flow, a septic permit is needed for the tie-in and our code requirements would kick in if you have an external tank to pump the sewage to the system. If it is an internal ejector pit, the plumbing inspector would have oversight. Having a holding tank for the sewage is not an option. I'll get back to you. Thanks
Jeff

From: Rob Scranton [<mailto:rscranton@catonsvillehomes.com>]
Sent: Thursday, November 12, 2015 4:08 PM
To: Williams, Jeffrey
Subject: RE: 18950 Windsor Forest Rd

Jeff,

It never occurred to me I needed a permit for a barn and certainly not a septic permit for just a powder room. In my experiences so far, the HD bases septic design on bedrooms not fixtures.

Attached are the floor plans for the barn. There is a utility sink in the Tack room which is not shown. The powder room will only be used occasionally as a convenience ILO walking back to the house. The laundry will only be used to wash horse pads, blankets and other horse related supplies (perhaps we could tie that into the wash stall drain?).

I currently have a drip irrigation system with pre-treatment (installed in ~1997) which I planned to tie into. I do not want to go through an upgrade for just a powder room. Is it possible to just install a tank and have it pumped; with the little bit of occasional/convenience use it will generate, pumping would occur probably once a year?

(BTW-the wash stall for the horses just daylight out the back; it is not tied into the septic!)

Rob Scranton
Catonsville Homes LLC
11175 Stratfield Court
Marriottsville, MD 21104
410.442.2211 x206

From: Williams, Jeffrey [<mailto:jewilliams@howardcountymd.gov>]
Sent: Thursday, November 12, 2015 3:51 PM
To: Rob Scranton
Subject: 18950 Windsor Forest Rd

Hello Rob. I got a call from the County Plumbing Inspector about a plumbing project in a barn at your property on 18950 Windsor Forest Rd. From the info I got, I guess there was some plumbing put in a new barn for a bathroom and laundry on the second floor. The plumbing inspector did not know how the wastewater was going to be handled once it left the building. Looking in the file, I don't see a septic permit. The plumbing inspector is going to hold off on approving the plumbing permit until we issue a septic permit. We need a few things in order to do that:

1. An applicant must submit floor plans of the proposed barn or renovations getting plumbing in the barn and a description of the proposed use.
2. The applicant must submit a sewage disposal design plan for the wastewater leaving the building. If it is tying in the existing system serving the house, we need to see details of that. If, based on item 1, we require an upgrade to the system, we would need to approve that design plan.
3. An applicant must pay the fee for the permit. If we agree to approve a tie in to the existing system, it would be a \$165 fee. If an upgrade is needed to the system, it would be a larger fee based on the scope of the upgrade.

As you can see, Floorplans and a description of the proposed use is critical for us to make a determination for the other two items. Feel free to email those to me or contact me with any questions. Thanks

Jeff Williams
Program Supervisor, Well & Septic Program
Bureau of Environmental Health
Howard County Health Dept.
410-313-4261
jewilliams@howardcountymd.gov

CONFIDENTIALITY NOTICE

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

Circuit Court for
HOWARD COUNTY
Clerk of the Court,
MARGARET D. RAPPAPORT
8360 COURT AVENUE
ELLCOTT CITY, MD 21043-
(410) 313-2111

Transaction Block:	5704
Ref: 165	
MISC	AMOUNT
IMP FO SURE \$2	2.00
RECORDING FEE \$20.00	20.00
SUBTOTAL:	22.00
TOTAL CHARGES:	22.00
PAYMENTS	
CHECK	22.00
TOTAL TENDERED:	22.00

Cashier: SLG Reg # H002
Rcpt # 62753
Date: Apr 30, 1997 Time: 03:20 pm

**AGREEMENT AND EASEMENT FOR
INSTALLATION OF AN INNOVATIVE AND ALTERNATIVE
ON-SITE SEWAGE DISPOSAL SYSTEM**

THIS AGREEMENT is made this 29th day of April, 1997, among _____
Robert Arthur Scranton, hereinafter referred to as "Owner", the Howard
County Health Department hereinafter collectively referred to as the "County", and the
Department of the Environment, hereinafter referred to as the "Department".

WHEREAS, Owner owns a tract of land located on ¹⁸⁹⁵⁰ Windsor Forest Rd., in the _____
Election District of Howard County, Maryland, and the deed to same is recorded
among the Land Records of Howard County, Maryland, in Liber 3728, folio 0100.

WHEREAS, this land was approved as a test site for an innovative/alternative on-site
sewage disposal system on Oct. 4, 1996 and final plans were approved on March 7, 1997.

WHEREAS, Owner's land is unsuitable for the installation of a conventional on-site
sewage disposal system and owner has requested the Department's approval to install an
innovative/alternative system of sewage disposal.

NOW, THEREFORE, the parties hereto agree as follows:

- A. Owner must install and maintain a water meter on the incoming side of the water system or an event counter on the sewage pumping system.
- B. Owner hereby grants to the Department and the County the right to enter upon the property at any reasonable time for access to the system to make periodic inspections and the Owner agrees to provide any information and data requested and needed by the Department to develop accurate and thorough test results.
- C. Owner acknowledges and agrees that the proposed innovative/alternative system is experimental and that his or her participation is voluntary. Owner agrees that there shall be no liability on the part of the County or Department to Owner if this innovative/alternative systems fails, and that the County and the Department do not warrant or guarantee that the system will adequately or properly function.

D. Owner acknowledges and agrees that neither the County nor the Department nor any of its agents or employees, either officially or individually, underwrites the operation of any system approved by them.

E. The Owner will devote such care and effort to the maintenance of the system so that a system malfunction is not the result of poor maintenance, faulty operation, or neglect.

F. The Owner agrees, that, should the system be determined by the Department to pose a threat to the public health, safety or comfort, the Department may order any necessary changes or corrections and the Owner agrees to pay for all such changes or corrections. System modifications may include requirements for holding of sewage waste in tanks and regular pumping from the holding tanks. Upon the Department's request, the Owner agrees to enter into a contract acceptable to the Department to allow and pay either Howard County, Maryland, its agents or a private entity to pump on a regularly scheduled basis an approved holding tank system.

G. The Owner agrees to contact both the Water Management Administration, Individual Septic Systems & Wells Program and the County at least forty-eight (48) hours prior to system installation, so that the Department may lay out the system in the field with the contractor. The Owner must install this system according to the plans and specifications approved by the Department and any changes required by the Department as a result of the field layout. If installation deviates substantially from the approved plans or changes such that experimental data will be compromised or reduced, the Owner agrees to pay for all necessary corrections.

H. This agreement shall run with the land and binds the Owner, his heirs, successors, assigns except that the provisions of paragraph A & B shall be binding for a period of 5 years only after installation of the system and occupation of the home. Owner further agrees that he shall inform in writing any purchaser or lessee of the property that the system may require maintenance or other attention. The Owner agrees to record this agreement in the land records of Howard County.

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

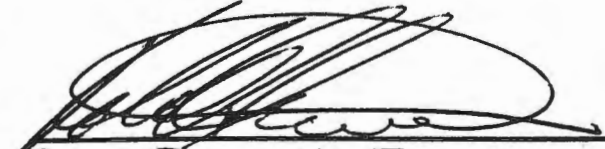
J. This agreement may be voided at the discretion of the Department if the system construction is not completed within six (6) months of the effective date of this agreement.

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

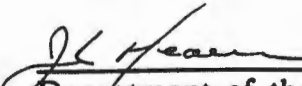
L. The laws of the State of Maryland govern the provisions of all transactions pursuant to this agreement.

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

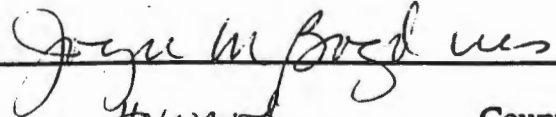
DATE: 4/29/97


Owner ROBERT A. SLANTON

DATE: 4/2/97


Department of the Environment
J. L. Hearn, Director
Water Management Administration

DATE: 4-8-97


Joyce M. Bogdus
Howard County

Williams, Jeffrey

From: Williams, Jeffrey
Sent: Monday, August 19, 2019 2:04 PM
To: Smith, Darrell
Subject: RE: 18950 Windsor Forest Rd. P15005130

Hi Daryl. The owner is stalling on us I believe. The last thing we needed from him to final our septic permit was he needed to replace a cover on his treatment system that is part of the existing disposal system. We told him about that in March and he said he was ordering material to do it, but we never heard back. I followed up in May and didn't hear from him. I'll have someone do a site visit to check on it and let you know.

Jeff

From: Smith, Darrell
Sent: Monday, August 19, 2019 9:05 AM
To: Williams, Jeffrey <jewilliams@howardcountymd.gov>
Subject: 18950 Windsor Forest Rd. P15005130

Good Morning Jeff,
Can I close this permit? Thanks

Darrell Smith- Supervisor
Plumbing-Mech. Inspections
7125 Riverwood Dr. St. D2
Columbia, Md. 21046
410-313-1841
Fax: 410-313-1861
jasmith@howardcountymd.gov

" If opportunity doesn't knock, build a door." Milton Berle

04-319885

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 50651

A 48395

DISTRICT _____

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXX-XXXX~~ 313-2640

DATE 04/13/95

DATE SYSTEM APPROVED 4/25/95

INSPECTOR [Signature]

INDEXED

Fogle's Septic Clean, Inc. IS PERMITTED TO INSTALL ALTER

ADDRESS 558 Obrecht Road, Sykesville, Maryland 21784 PHONE 795-5674

SUBDIVISION Jefferson Property LOT Tenant House ROAD 18653 Penn Shop Road

PROPERTY OWNER John M. & Pearl H. Jefferson

ADDRESS 18653 Penn Shop Road
Mt. Airy, Maryland 21771

SAND MOUND SYSTEM

Number of Bedrooms 3

Septic Tank Capacity 1500 Gallons - Top Seamed and Two Chambered

Pump Chamber 1000 Gallons, Top Seamed

~~Sand Mound to be installed as per previously approved (06/17/93) Design Plans and Specifications (as drawn by Jim Clise).~~

- Stake out initial sand mound site and call for field varification by local health dept.
- Rope off reserve sewage disposal area during entire construction phase.
- Provide a copy of recent seive analysis of sand mound sand for health department approval.
- 48 hours notice required prior to construction of sand mound.
- Any deviation from the approved plans must be verified and approved by this department prior to implimentation.

PLANS APPROVED BY Ronald J. Pinkley DATE 04/13/95

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**

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 50651

A 1

DISTRICT _____

DATE 4-13-95

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

461-9933

DATE SYSTEM APPROVED _____

INSPECTOR _____

Fogle's Septic Clean, Inc.

IS PERMITTED TO INSTALL _____ ALTER _____

ADDRESS 558-R Obrecht Road, Sykesville, Maryland 21784 PHONE 795-5674

SUBDIVISION Jefferson Property LOT Tenant House ROAD 18653 Penn Shop Road

PROPERTY OWNER John M. & Pearl H. Jefferson

ADDRESS 18653 Penn Shop Road
Mt. Airy, Maryland 21771

SEPTIC TANK CAPACITY _____ GALLONS

NUMBER OF BEDROOMS _____

_____ SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED _____

Interim Permit to prepare ground and begin sand placement as per approved plan submitted by S/E Engineering, Inc. Permit valid through April 18, 1995 only.

Applicant to secure complete permit by that date. Temporary extension thru April 19, 1995

Approved 4/19/95 [Signature]

PLANS APPROVED BY [Signature] DATE 4/13/95

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

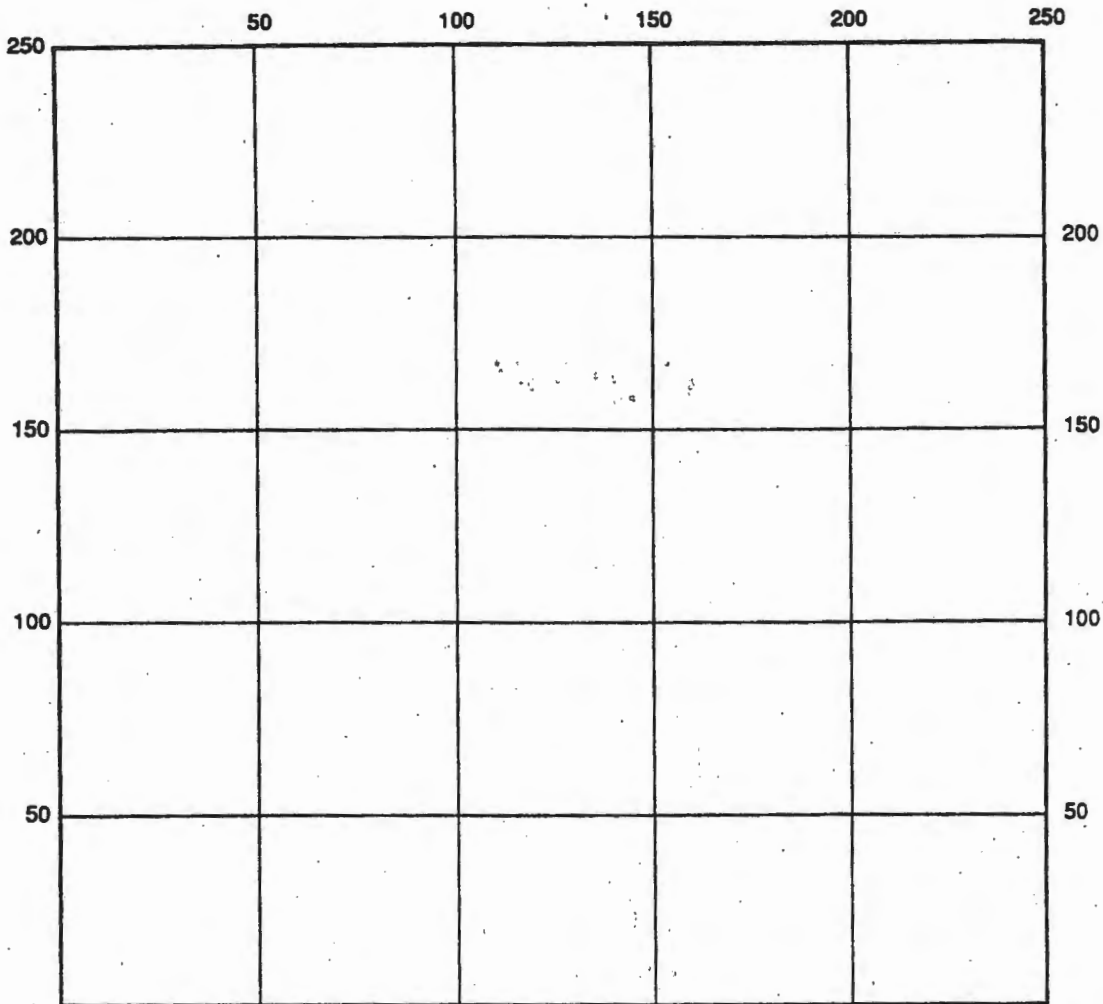
PERMIT VOID AFTER TWO YEARS

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**

*4/19/95
Continue S.M. Cons.
est. 2 p/m - gravel bed [Signature]*



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Pump Chamber
 SEPTIC TANK LEVEL 1500 gal top Seamed, 2 chambered Manholes S.T. + P.C.
~~CLEANOUTS~~

~~DISTRIBUTION BOX LEVEL - Pressured Vessel~~

~~DRAIN FIELD/TITLE DEPTH _____ FT. Gravel Bed ~~5-6" x 1/4"~~ WIDTH _____ FT. Ground level to top edge of Sand Bed DEPTH _____ FT.~~

~~EFFECTIVE GRAVEL DEPTH _____ FT. TOTAL LENGTH _____ FT. OF S.M. perforation diameter " " spacing~~

~~NUMBER OF TRENCHES ^{Lateral} _____ ONE SIDEWALL/BOTTOM AREA _____ SQ. FT.~~

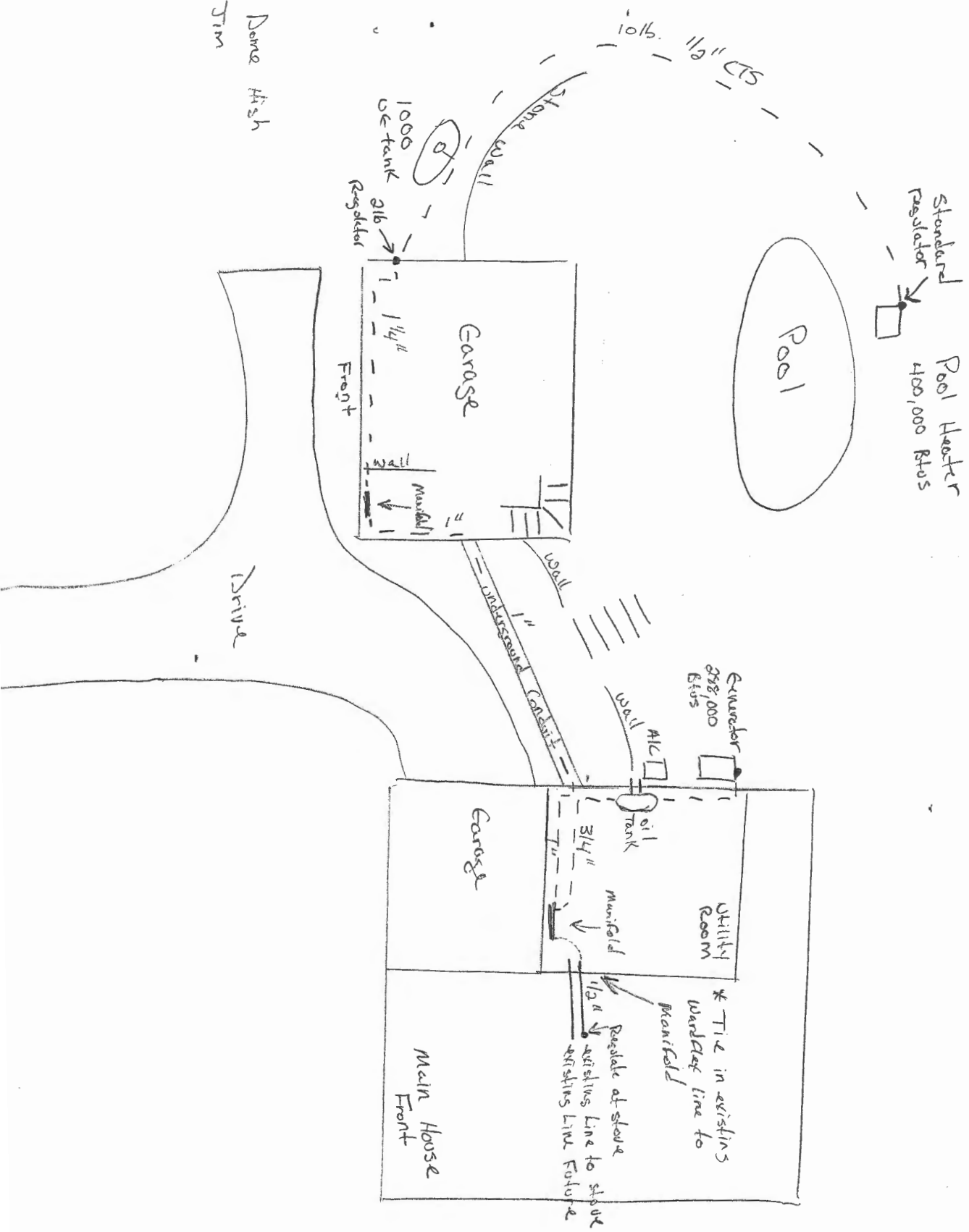
~~DRYWALL INSIDE DIAMETER _____ FT. EFFECTIVE DEPTH BELOW INLET _____ FT.~~

~~Gravel Bed ABSORBENT AREA _____ SQ. FT. Basal Area _____ sq ft observation pipes ① ②~~

REMARKS: _____

DATE SYSTEM APPROVED _____ INSPECTOR _____

- Leave Dome High
See Jim



- Both manifolds will be 2"
- Regulate all appliances with manifolds (except Pool Heater)

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS

Shop Order Number _____

(Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only)

As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by Trinity Industries, Inc. - Plant 04, 1549 Vance Street, Rocky Mt., North Carolina, 27801, USA

(Name and address of manufacturer)

2. Manufactured for NOT KNOWN

(Name and address of purchaser)

3. Location of Installation NOT KNOWN

(Name and address)

4. Type Horizontal R0504036-R0504061 N/A 0074004100001 rB R0504036-R0504061 2005
 (Horiz. or Vert. tank) (Mfr's serial No.) (CRN) (Drawing No.) (Nat'l. Bd. No.) (Year built)

5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1 2001 to 2003

N/A N/A
 Code Case Nos. Special Service per UG-120(d) (year) Addenda (Date)

6. Shell: SA-455 0.238" 0" 3' 4.484" ID 12' 7.563"
 Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: TYPE 1 * Full 100% N/A N/A TYPE 2 Spot 2
 Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (°F) Time (hr) Girth. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Eff. (%) or Full) No. of Courses

8. Heads: (a) Mat'l: SA-285C (b) Mat'l: _____
 (Spec. No., Grade) (Spec. No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	ENDS	0.202"	0"	N/A	N/A	N/A	N/A	20.278"	N/A	Concave

If removable, bolts used (describe other fastenings) _____

N/A

9. MAWP 250 N/A psi at max. temp. 125 N/A °F (Mat'l., Spec. No., Gr., Size, No.)
 (internal) (external) (internal) (external)

Min. design metal temp. -20 °F at 250 psi Hydro, pneu., or comb. test pressure Hydro. 325 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
MULTIVALVE	1	2.5"	PIPE	SA53B	0.276"	N/A	**	N/A
LIQUID OUT	1	0.75"	CPLG	SA105	0.391"	N/A	JW16.2(c)	N/A

11. Supports: Skirt NO Lugs N/A Legs 4 Other N/A Attached SHELL, WELDED
 (Yes or no) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors, have been furnished for the following items of the report:

REF. DEV. # 041110DV

(Name of part, item number, Mfr's name and identifying stamp)

1000 NOM. W.G. UGLR LPG DOMESTIC TANK TO BE USED IN A NON-CORROSIVE SERVICE. CONSTRUCTED UNDER THE PROVISIONS OF UG-90(c)(2). IMPACT TESTING EXEMPT PER UG-20(f). *REAL TIME RADIOSCOPIC EXAM. LONG SEAM. **FIG UW-16.1(w-1) FILLET WELD OUTSIDE ONLY. HEMI HEADS TO SHELL PER UW13.1(k).

CERTIFICATE OF SHOP/FIELD COMPLIANCE

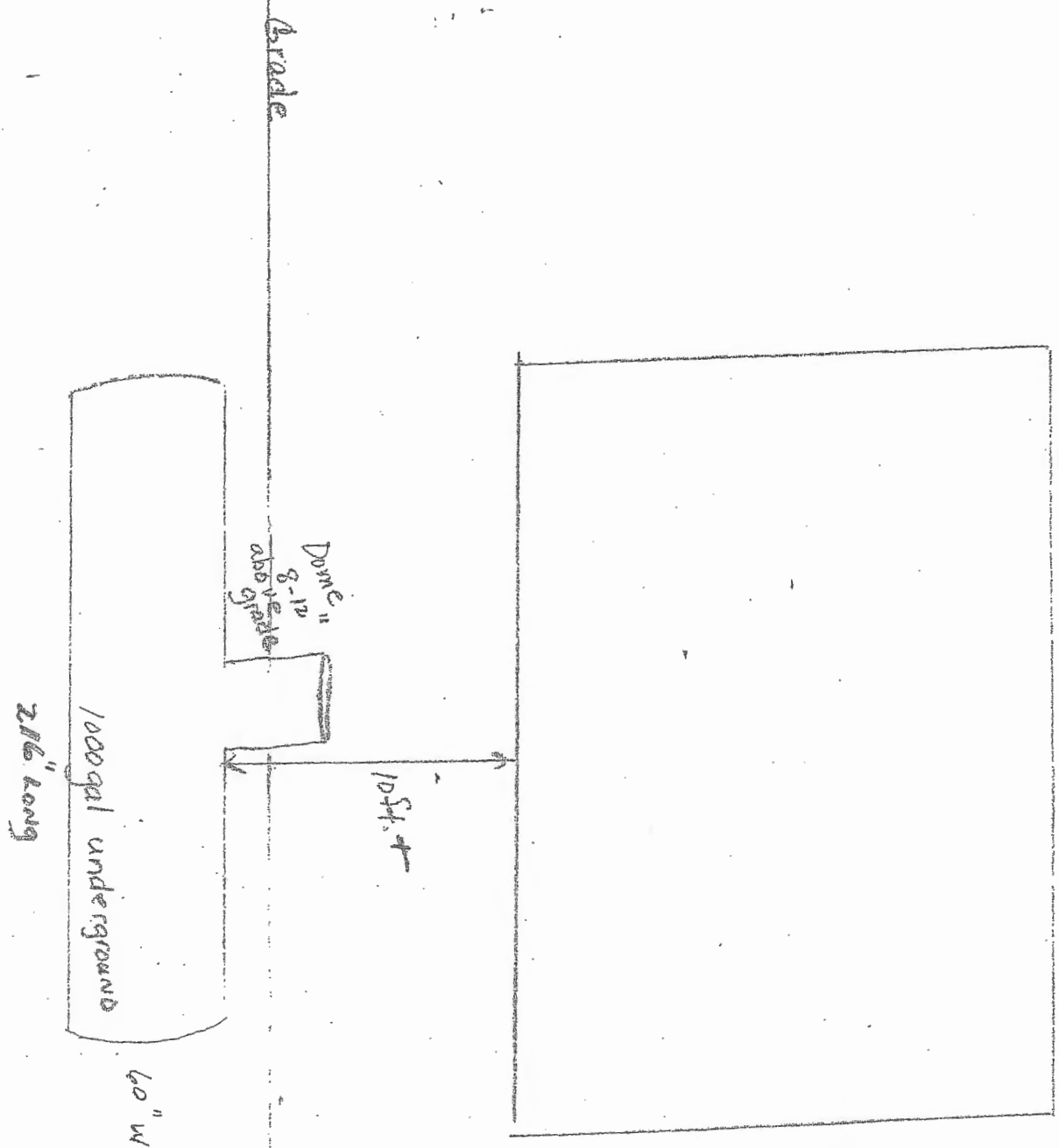
We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 10829 expires 07/07/2006

Date 03/10/2005 Co. name Trinity Industries, Inc. - Plant 04 Signed [Signature]
 (Manufacturer) (Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

Vessel constructed by Trinity Industries, Inc. - Plant 04 at 1549 Vance Street, Rocky Mt., North Carolina, 27801, USA, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province NC and employed by IB&M RE of Dallas, TX have inspected the component described in this Manufacturer's Data Report on March 10, 2005 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

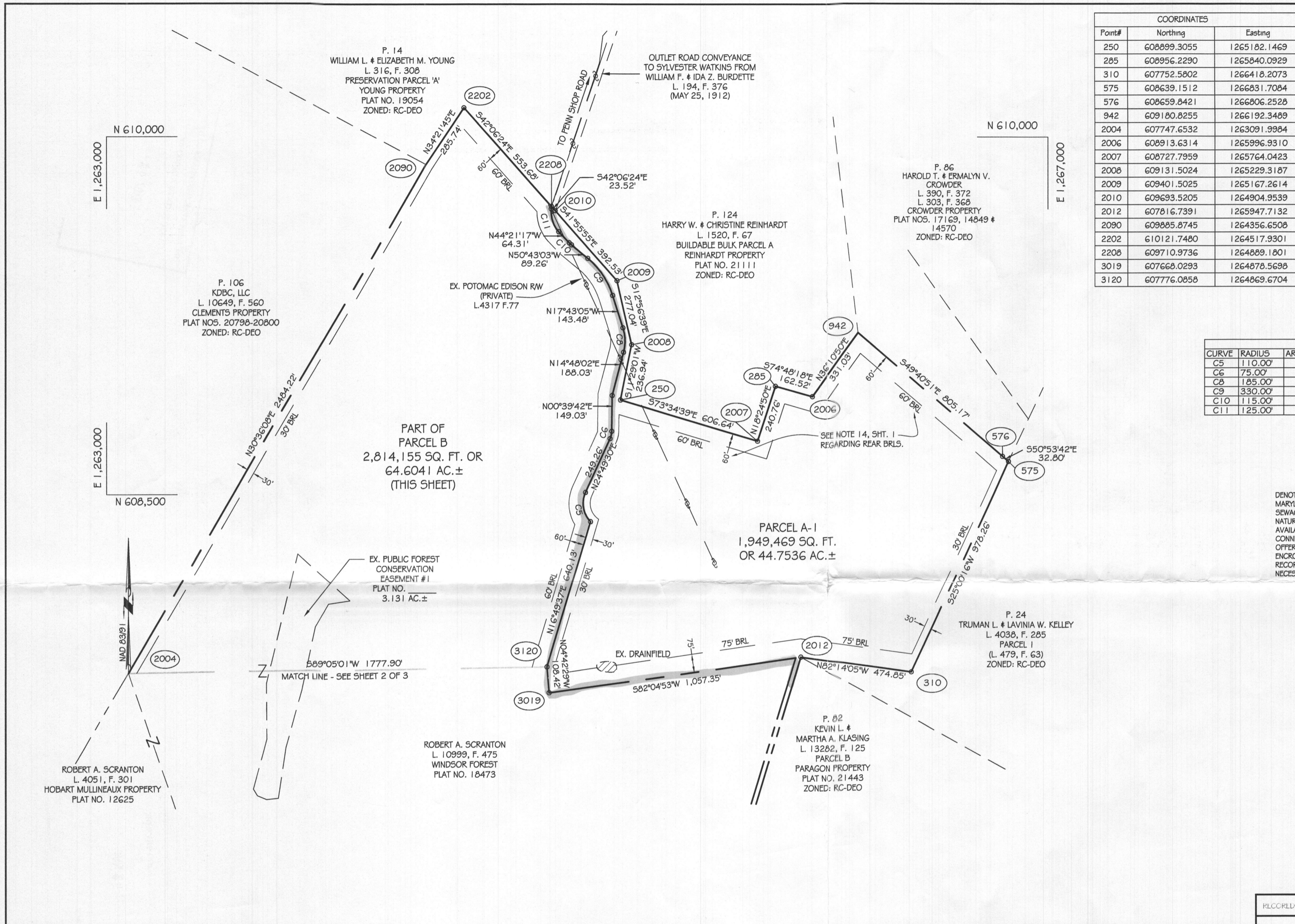
Date 03/16/2005 Signed [Signature] Commissions 9334, NC972
 (Nat'l Board (incl. endorsements), State, Prov. and No.)



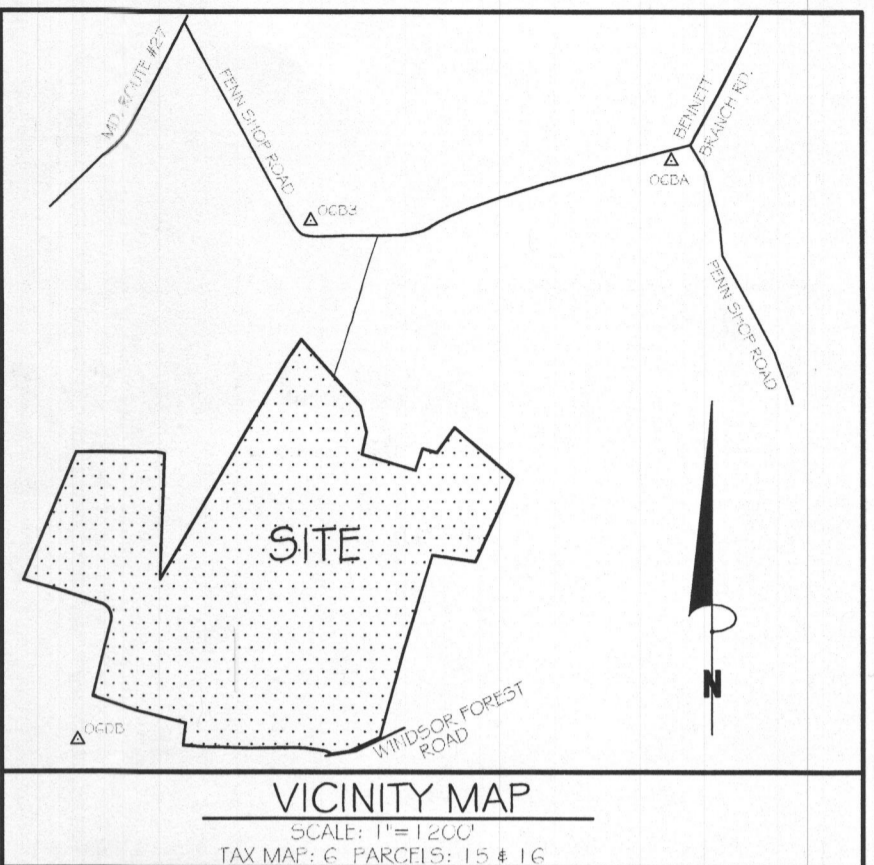
8 yds - sand
 6" sand in bottom
 of hole
 6" sand on all 3

A50952
P58486-A

2 6HR -8 P11 3:51

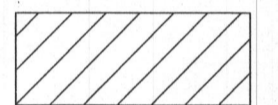


COORDINATES		
Point#	Northing	Easting
250	608899.3055	1265182.1469
285	608956.2290	1265840.0929
310	607752.5802	1266418.2073
575	608639.1512	1266831.7084
576	608659.8421	1266806.2528
942	609180.8255	1266192.3489
2004	607747.6532	1263091.9984
2006	608913.6314	1265996.9310
2007	608727.7959	1265764.0423
2008	609131.5024	1265229.3187
2009	609401.5025	1265167.2614
2010	609693.5205	1264904.9539
2012	607816.7391	1265947.7132
2090	609885.8745	1264356.6508
2202	610121.7480	1264517.9301
2208	609710.9736	1264889.1801
3019	607668.0293	1264878.5698
3120	607776.0858	1264869.6704



CURVE DATA						
CURVE	RADIUS	ARC LENGTH	DELTA ANGLE	CHORD BEARING	CHORD LENGTH	TANGENT
C5	110.00'	132.99'	69°16'14"	N09°48'37"W	125.04'	75.98'
C6	75.00'	31.64'	24°10'28"	N12°44'56"E	31.41'	16.06'
C8	185.00'	105.00'	32°31'06"	N01°27'31"W	103.59'	53.95'
C9	330.00'	190.06'	32°59'59"	N34°13'04"W	187.45'	97.75'
C10	115.00'	12.77'	06°21'46"	N47°32'10"W	12.76'	6.39'
C11	125.00'	113.15'	51°51'57"	N16°16'41"W	109.33'	60.79'

DENOTES A PRIVATE SEWAGE EASEMENT AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL (COMAR 26.04.03). IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.



THE REQUIREMENTS §3-108, THE REAL PROPERTY ARTICLE, ANNOTATED CODE OF MARYLAND, 1986 REPLACEMENT VOLUME (AS SUPPLEMENTED) AS FAR AS THEY RELATE TO THE MAKING OF THIS PLAT AND THE SETTING OF MARKERS HAVE BEEN COMPLIED WITH.

T. MICHAEL VANSANT, PROF. LS No. 21266 DATE _____

ROBERT ARTHUR SCRANTON, OWNER DATE _____

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

HOWARD COUNTY HEALTH OFFICER DATE _____

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE _____

DIRECTOR DATE _____

OWNER'S CERTIFICATE

I, Robert A. Scranton, owner of the property shown and described hereon, hereby adopt this plan of subdivision, and in consideration of the approval of this final plat by the Department of Planning and Zoning, establish the minimum building restriction lines and grant unto Howard County, Maryland, its successors and assigns:

- The right to lay, construct and maintain sewers, drains, water pipes and other municipal utilities and services, in and under all roads and street rights-of-way and the specific easement areas shown hereon;
- The right to require dedication for public use the beds of the streets and/or roads and floodplains and open space where applicable, and for good and other valuable consideration, hereby grant the right and option to Howard County to acquire the fee simple title to the beds of the streets and/or roads and floodplains, storm drainage facilities and open space where applicable;
- The right to require dedication of waterways and drainage easements for the specific purpose of their construction, repair and maintenance; and
- That no building or similar structure of any kind shall be erected on or over the said easements and right-of-ways.

Witness my hand this _____ day of _____, 2013.

ROBERT A. SCRANTON, OWNER

WITNESS

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THE FINAL PLAT AND PLAT OF EASEMENT SHOWN HEREON IS CORRECT; THAT IT IS A SUBDIVISION OF ALL OF THE LANDS CONVEYED BY THE HOWARD HUNT PROPERTIES, INC. TO ROBERT A. SCRANTON BY DEED DATED NOVEMBER 30, 2007 AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND IN LIBER 10999 AT FOLIO 475 AND ALL OF THE LANDS CONVEYED BY ROBERT ARTHUR SCRANTON AND KRISTINA HESTON SCRANTON TO ROBERT ARTHUR SCRANTON BY DEED DATED MAY 20, 1997 AND RECORDED IN LIBER 4051 AT FOLIO 301 AND PART OF THE LANDS CONVEYED BY RESIDENTIAL LAND TITLE HOLDING CORPORATION TO ROBERT ARTHUR SCRANTON BY DEED DATED MAY 20, 1997 AND RECORDED AMONG SAID LAND RECORDS IN LIBER 4051 AT FOLIO 311, AND ALL OF THE LANDS CONVEYED BY ROSE MULLINEAUX AND THOMAS STANLEY MULLINEAUX TO ROBERT ARTHUR SCRANTON BY DEED DATED SEPTEMBER 10, 1998 AND RECORDED IN LIBER 4571 AT FOLIO 456; AND THAT ALL MONUMENTS ARE IN PLACE IN ACCORDANCE WITH THE ANNOTATED CODE OF MARYLAND, AS AMENDED.

T. MICHAEL VANSANT, PROF. LS No. 21266 DATE _____
EXPIRATION DATE 9/9/13

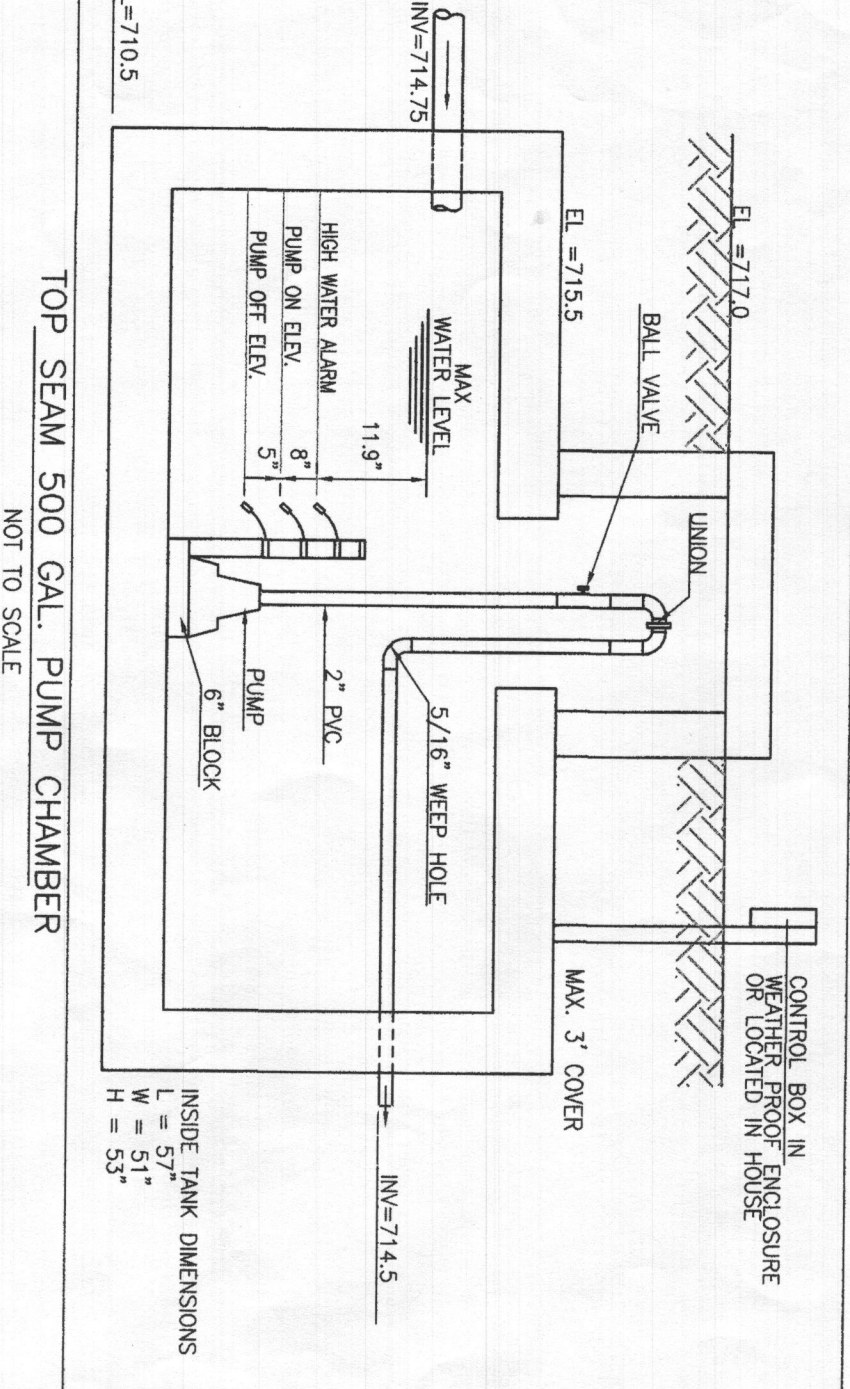
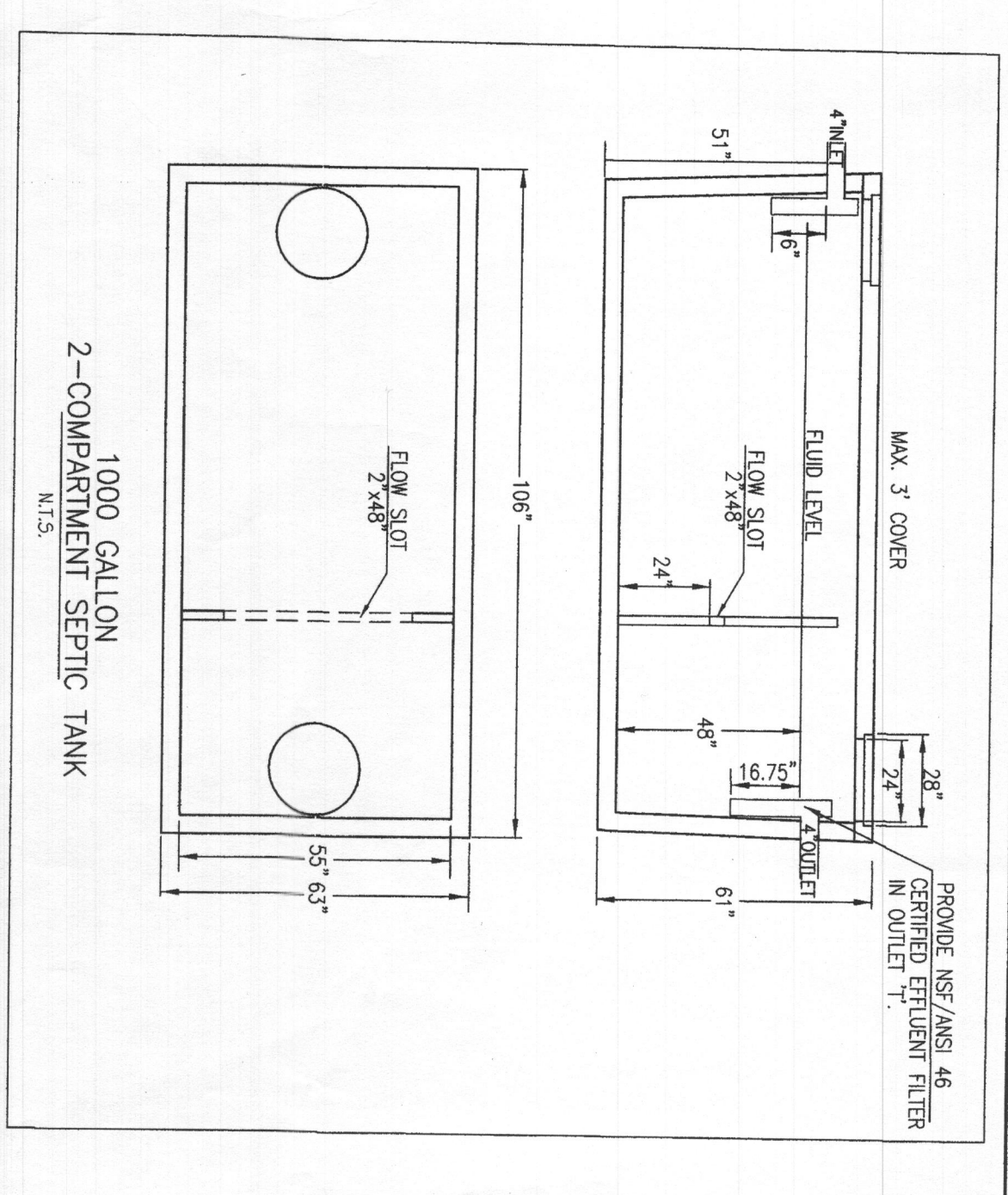
RECORDED AS PLAT _____ OF _____ AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND

PLAT OF RESUBDIVISION

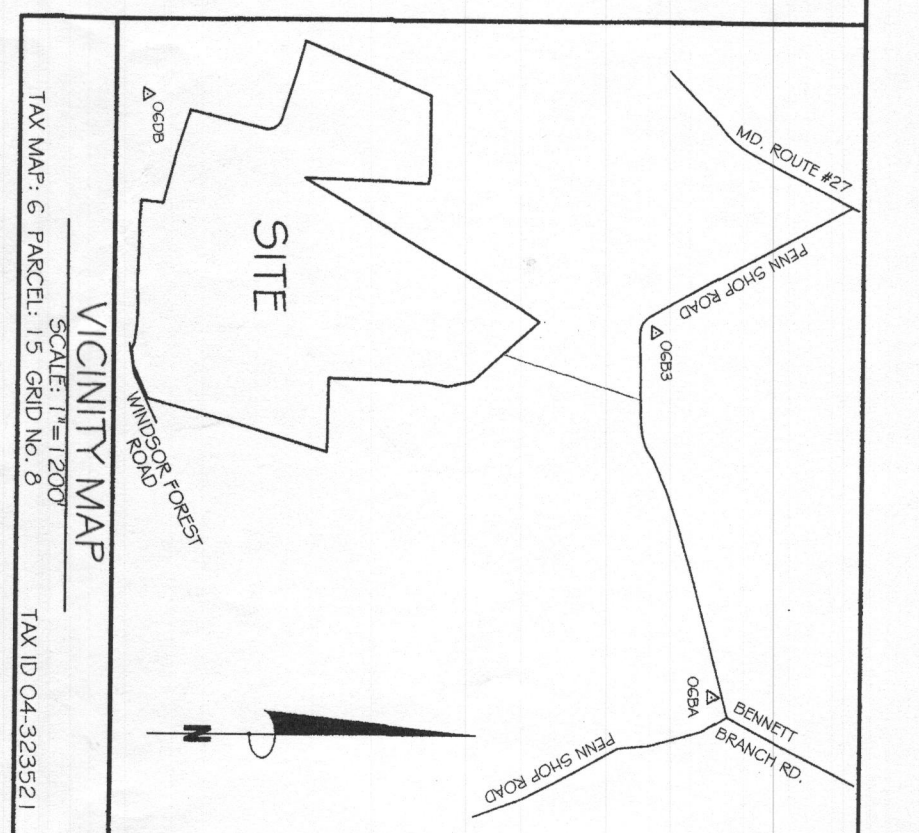
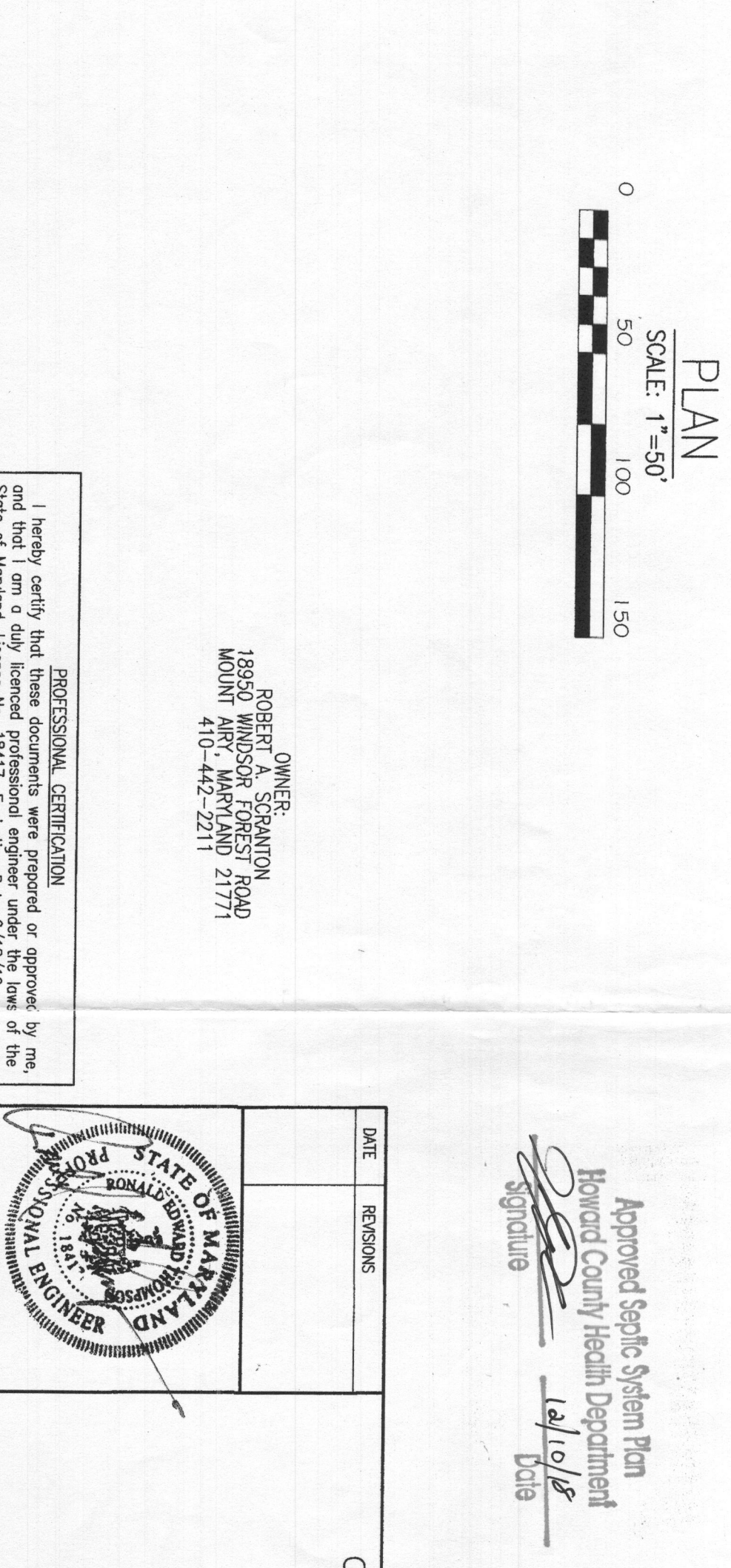
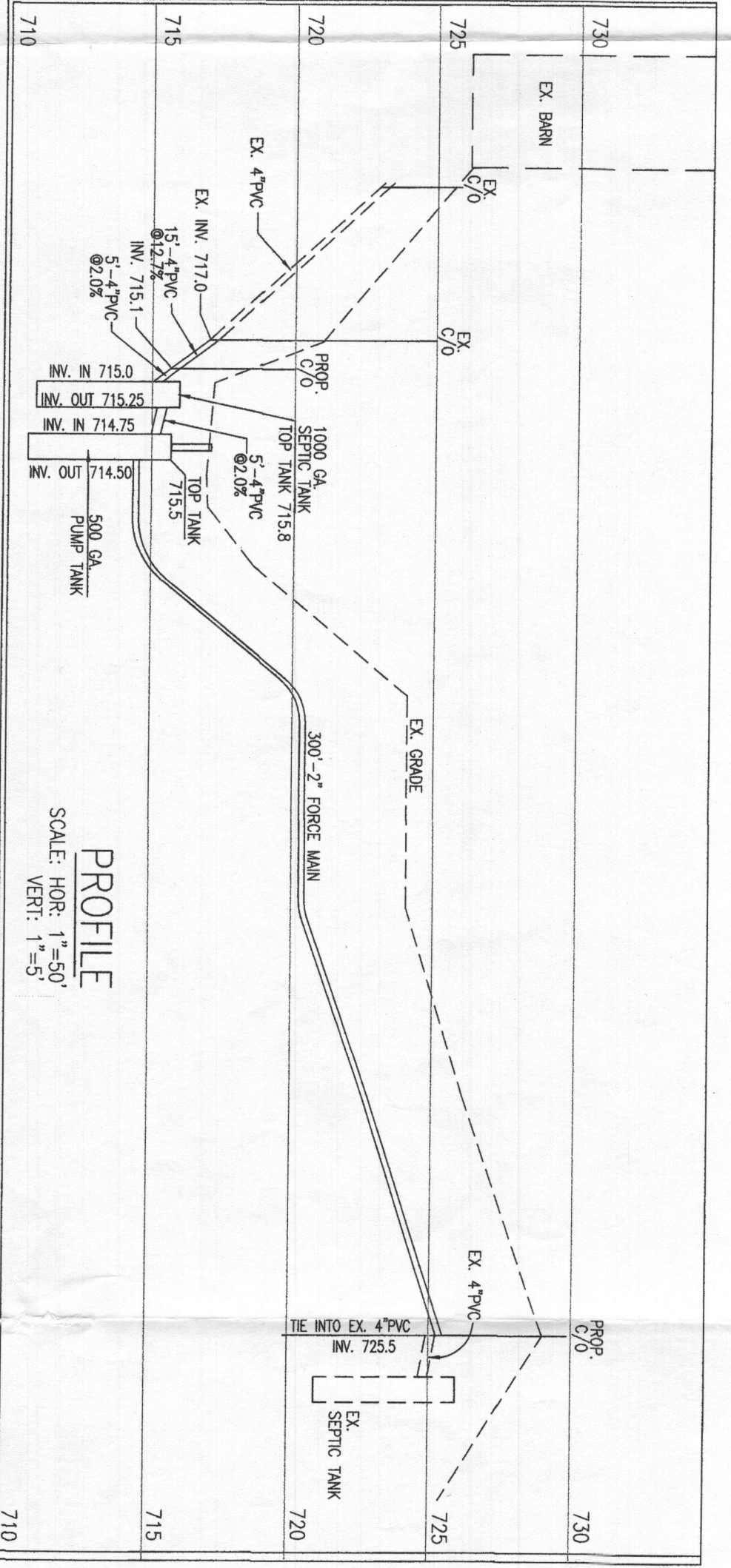
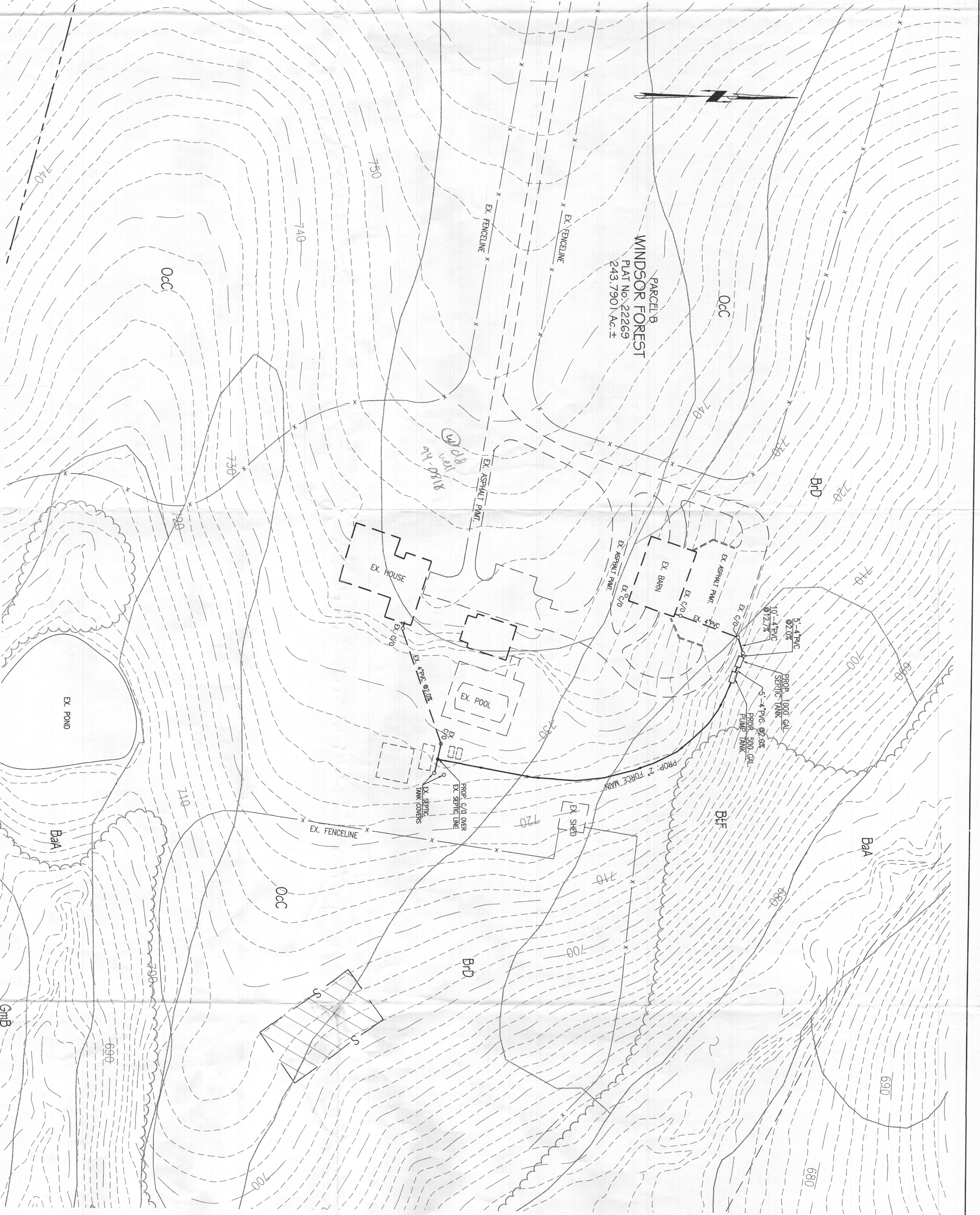
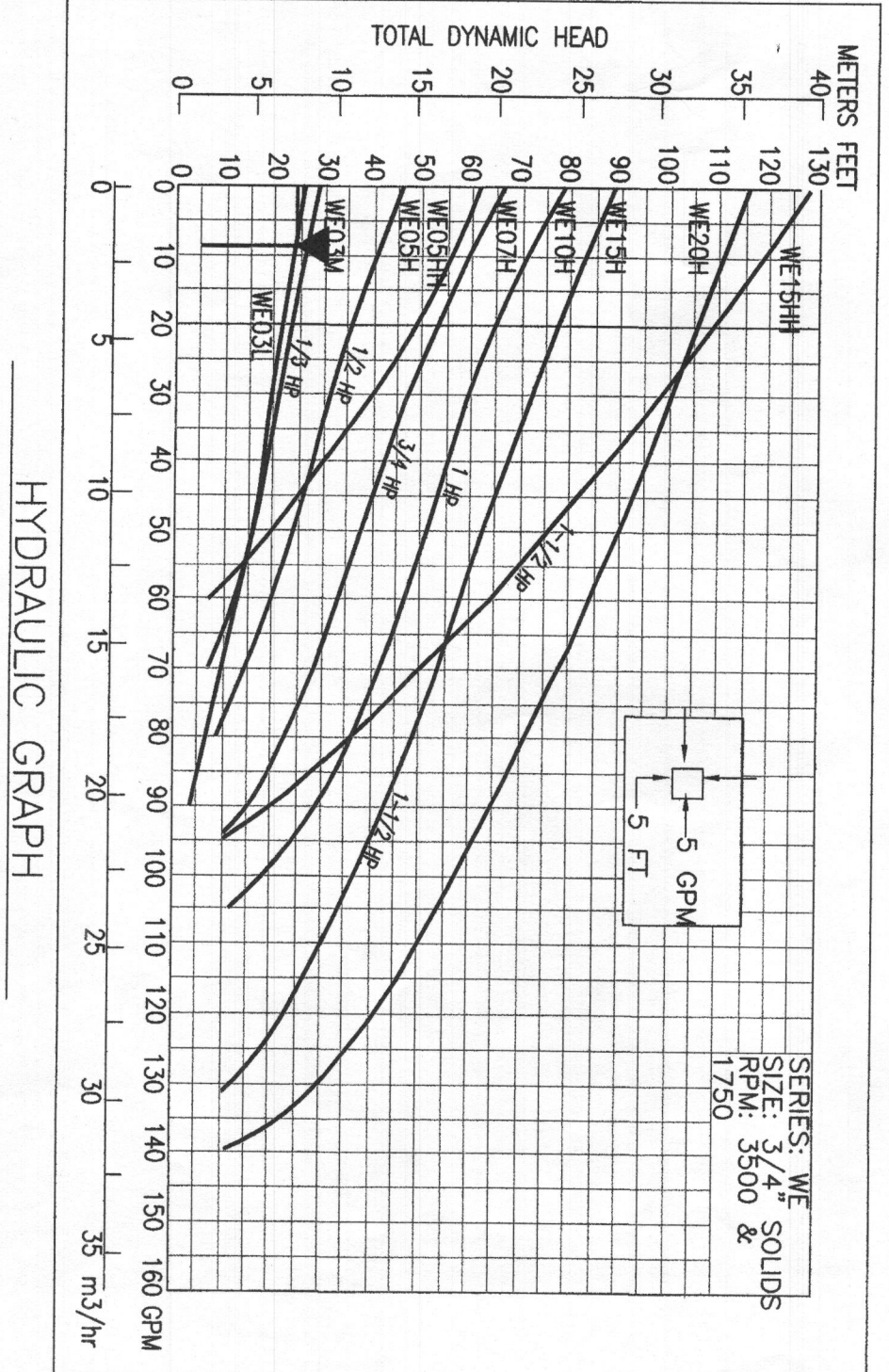
PARCEL A-1
WINDSOR FOREST
A RESUBDIVISION OF PARCEL A
PREVIOUSLY RECORDED AS PLAT NO. 18473
AND
AMENDED PLAT OF EASEMENT
PARCEL B
HOBART MULLINEAUX PROPERTY
PREVIOUSLY RECORDED AS PLAT NOS. 21723 & 12625

TAX MAP 6 ELECTION DISTRICT FOURTH SCALE: 1"=300'
PARCEL NO. 15 & 16 HOWARD COUNTY, MARYLAND DATE: JULY, 2012
GRID No. 8, 9, 14, 15 EX. ZONING: RC-DEO SHEET 3 OF 3

VANMAR ASSOCIATES, INC.
Engineers Surveyors Planners
310 South Main Street Mount Airy, Maryland 21771
(301) 829-2890 (301) 831-5015 (410) 549-2751
Fax (301) 831-5603 ©Copyright, Latest Date Shown



TOTAL DESIGN HEAD (TDH) COMPUTATION		PUMP CHART	
STATIC HEAD	18.25	500 GAL. 1 CHAMBER TANK	
FRICTION HEAD	6.1	GOULDS WE-101	
		MAX. PUMP FLOW RATE = 8.3 GPM	
		PIPE = 2" PLASTIC	
		PIPE LENGTH = 300 FEET	
		ELEV. DIFF. = 18.25 FEET	
		TDH = 24.4 FEET	
TOTAL DESIGN HEAD (TDH)	24.4		



- GENERAL NOTES:**
- TOPOGRAPHY & PLANNING FEATURES SHOWN HEREON TAKEN FROM COMPRISED US DTA FEATURES BY VANMAR ASSOCIATES, INC. CONTIGUOUS INTERVAL IS 2 FEET. VERTICAL DATUM IS WAD088.
 - THE EXISTING WELLS SHOWN ON THIS PLAN HAVE BEEN FIELD LOCATED BY VANMAR ASSOCIATES OR TAKEN FROM AVAILABLE RECORDS AND ACCURATELY SHOWN.
 - ZONING DISTRICT: RC-020
 - LIMIT OF DISTURBANCE LESS THAN 5,000 SQ.FT.
 - THERE ARE NO STREAMS, PONDS, FLOODPLAINS OR WETLANDS WITHIN THE AREA OF SEPTIC TANK INSTALLATION.

- HORSE BARN SEPTIC SYSTEM DESIGN:**
- DESIGN FLOW EQUIVALENT TO ONE BEDROOM OR 150 GPD.
 - PROVIDE 1000 GAL. SEPTIC TANK AND 500 GAL. PUMP TANK.
 - PUMP WASHABLE USE AS CERTIFIED EFFLUENT FILTER AT SEPTIC TANK OUTLET EFFLUENT FILTER SHALL BE 10" X 16" THE B-1 EFFLUENT FILTER OR EQUIVALENT.
- SITE PLAN NOTES:**
- ANY CHANGE TO THE LOCATION OR DEPTH 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.
 - MAXIMUM COVER OVER THE TANK IS 3 FEET. GREATER DEPTH WILL REQUIRE A HEAVY LOAD BEARING TANK.
 - ELECTRICAL WORK FOR THE INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
 - EX. WELL (TAG #40-95-1953)

ON SITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN

PARCEL B
WINDSOR FOREST
 PLAT NO. 22269
 18930 WINDSOR FOREST ROAD
 TOWNSHIP ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 DECEMBER 2018
 SCALE: 1" = 50'

APPROVED:
 FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT

HOWARD COUNTY HEALTH OFFICER

APPROVED:
 PROFESSIONAL CERTIFICATION
 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. 18417. Expiration Date: 3/18/19.

PROFESSIONAL ENGINEER

OWNER:
 ROBERT A. SPURTON
 18930 WINDSOR FOREST ROAD
 MOUNTAIN VIEW, MD 21771
 410-442-2711

Approved Septic System Plan
 Howard County Health Department
 12/10/18
 Date

DATE **REVISIONS**

VANMAR ASSOCIATES, INC.
 Engineers Surveyors Planners
 18930 WINDSOR FOREST ROAD
 TOWNSHIP ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 DECEMBER 2018
 SCALE: 1" = 50'

YAMMAR.COM
 (301) 829-2880 (301) 829-9070
 Copyright, Latest Date Shown