

Bureau of Environmental Health
 8930 Stanford Boulevard, Columbia, MD 21045
 Main: 410-313-2640 | Fax: 410-313-2648
 TDD 410-313-2323 | Toll Free 1-866-313-6300
www.hchealth.org
 Facebook: www.facebook.com/hocohealth

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

RECEIPT DATE: 3-22-18 **ONSITE SEWAGE DISPOSAL SYSTEM** P 502930
 APPROVAL DATE: 04/05/2018 **PERMIT: CONSTRUCTION** A _____
 PROPERTY ADDRESS: 17731 Hardy Road
 SUBDIVISION: Woodcamp Farms LOT: 26 TAX ID: 04-354613
 CONTRACTOR: Sams Creek Construction EMAIL: _____
 CONTRACTOR ADDRESS: 2810 Sams Creek Road, New Windsor MD 21776 PHONE: 443-821-4932
 PROPERTY OWNER: Thomas Locke and Amber Ryan EMAIL: _____
 OWNER ADDRESS: 17731 Hardy Road, Mount Airy, MD 21771 PHONE: _____

SEPTIC TANK SIZE (GALLONS): 1500 TANK MANUFACTURER: _____
 PUMP MODEL: N/A PUMP SIZE: N/A PUMP TANK CAPACITY: N/A

DISTRIBUTION SYSTEM: GRAVITY PRESSURE DOSED BEDROOMS: 4 APPLICATION RATE: 1.2

TRENCHES:	LINEAR FEET REQUIRED: <u>139</u>	INLET DEPTH: <u>4</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>5.5</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>4.5</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:		

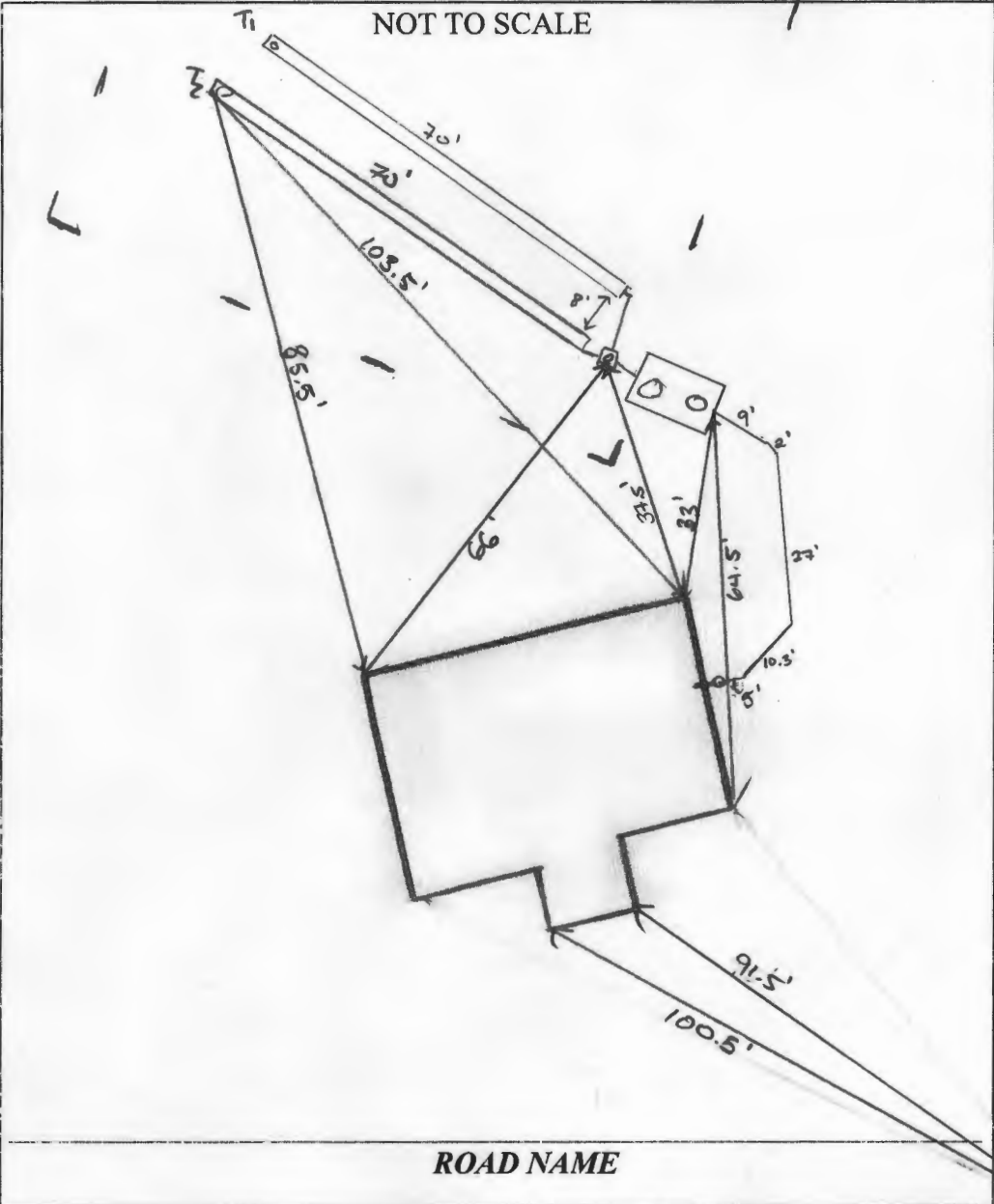
ISSUED BY: Hank Oswald ISSUE DATE: 3-26-18 EXPIRATION DATE: 3-22-19

- 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 nolp
- 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.**

1" = 30'

NOT TO SCALE



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3	4'	5.5'
NUMBER OF TRENCHES		2
TOTAL LENGTH		140'
ABSORPTION AREA		420 sqft
DISTRIBUTION BOX LEVEL		yes
DISTRIBUTION BOX BAFFLE		yes
DISTRIBUTION BOX PORT		yes

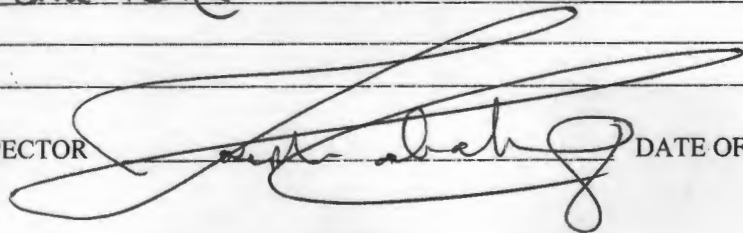
SEPTIC TANK DATA	
SEPTIC TANK I LEVEL	DNI
MANUFACTURER	DNI
CAPACITY	1500 GAL
SEAM LOC	TOP
TANK LID DEPTH	2.5'
BAFFLES	YES
BAFFLE FILTER	NO
MANHOLE LOC	FRONT/BACK
6" PORT LOC	INLET
WATERTIGHT TEST	N/A
SLOTTED	YES
DATE ON LID	2-18-18
PUMP/SEPTIC TANK LEVEL	
MANUFACTURER	
CAPACITY	GAL
SEAM LOC	
TANK LID DEPTH	
BAFFLES	
BAFFLE FILTER	
MANHOLE LOC	
6" PORT LOC	
WATERTIGHT TEST	
SLOTTED	
DATE ON LID	

HO-17-0124

PRE-CONSTRUCTION:

4/3/18 Elevation shot in field. Elevations close to O&D's plan. Some lower grade under footer as indicated on plan. Only 4" difference to meet 4' inlet next to footer. Builder notified of wasted area on upper part. He will let homeowner know. No charges @ this time. Set date per plan. Install 2x 70' trenches per plan. Stone one of them #2 (100)/JC

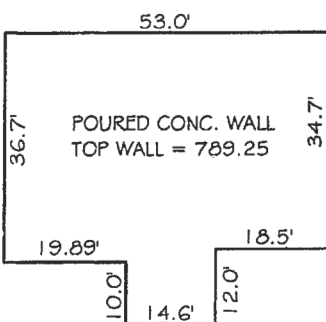
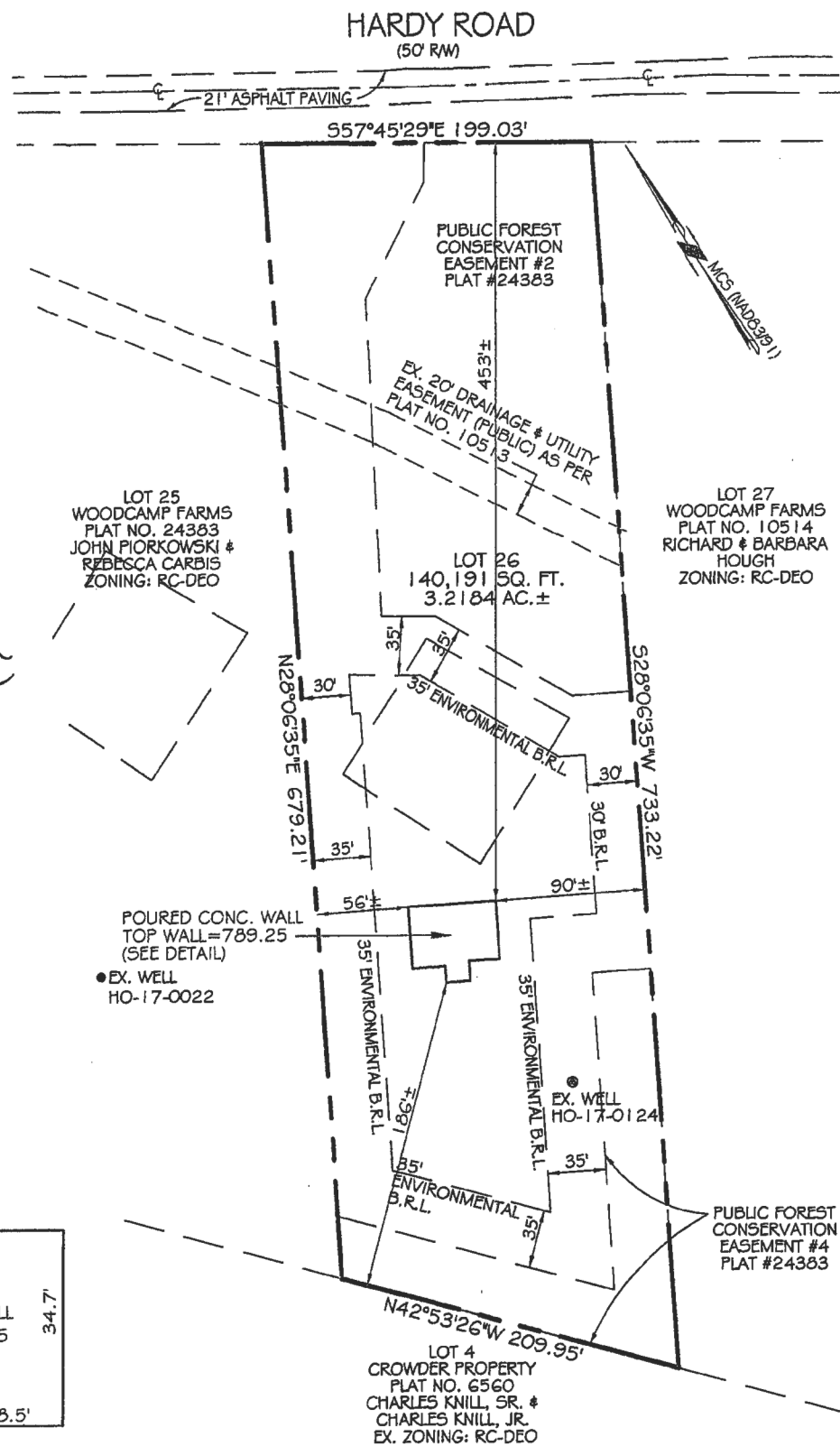
INSTALLATION: 4/3/2018 (PM) Tank pit dug. 4/4/2018 House connection installed. Influent line to ST. completed. ST. set. T₁ partially complete. Needs stone, perforated pipe, and obs port. 4/5/2018 Trench 1 and Trench 2 (upper) complete. ok on backfill. D Box leveled. Corrective action - Inlet baffle needs to extend 16" below invert. 4/5/2018 (PM) Photo from contractor. C.O. corrected. (P)

FINAL INSPECTOR  DATE OF APPROVAL 04/05/2018

NOTES:

- 1) FOUNDATION AND FOOTINGS ARE IN PLACE AS SHOWN HEREON.
- 2) BUILDING TIES ARE ±0.5' UNLESS OTHERWISE NOTED.
- 3) TOP OF WALL = 789.25

Wall Check not in file. Copy sent over not to scale.



HOUSE DETAIL
SCALE: 1"=30'

PROFESSIONAL CERTIFICATION:

I HEREBY CERTIFY THAT THIS DOCUMENT WAS 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. 21266, EXPIRATION DATE SEPTEMBER 9, 2018, IN ACCORDANCE WITH COMAR 09.13.06.12.

[Signature]
T. Michael VanSant, Prof. Land Surveyor

3/16/2018
Date

WALL CHECK DRAWING
LOT 26
WOODCAMP FARMS

PLAT No. 24383
17731 HARDY ROAD
FOURTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE: 1" = 100' MARCH, 2018

I CERTIFY THIS PLAT TO BE CORRECT AND IS THE RESULT OF AN ACTUAL FIELD SURVEY, BASED ON DATA FOUND AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND, AS REFERENCED HEREON.

REFERENCE	JOB NO.
PLAT NO. 24383	B7-5634



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

Howard County Department of Planning and Zoning
Division of Land Development

ALTERNATIVE COMPLIANCE APPLICATION

[Alternative Compliance from Subdivision and Land Development Regulations]

Date Submitted/Accepted 7/14/17 DPZ File Number WP-18-004

I. **Site Description**

Subdivision Name/Property Identification: LOT 26 WOODCAMP FARMS
Location of property: SOUTH SIDE HARDY ROAD, 1000' ± EAST OF LONG CORNER RD.
(Street Address and/or Road Name)

UNDEVELOPED RESIDENTIAL (Existing Use) SINGLE FAMILY HOME (Proposed Use)

6 (Tax Map No.) 6 (Grid/Block No.) 485 (Parcel No.) 4 (Election District)

RC-DEO (Zoning District) 3.22 (Total Site Area)

Provide a brief site history including reference to all previously submitted or currently active plans on file with the County (subdivision plans, Board of Appeals petitions, alternative compliance petitions, etc.)

PLAT 23676; PLAT OF REVISION E-16-000

II. **Alternative Compliance Request**

In accordance with Section 16.104 of the Howard County Subdivision and Land Development Regulations, the Department of Planning and Zoning, in conjunction with the Subdivision Review Committee **may grant alternative compliances or modifications to the minimum requirements stipulated within the Regulations if it is determined that extraordinary hardships or practical difficulties may result from strict compliance with the regulations, or if it is determined that the regulations may be served to a greater extent by an alternative proposal.**

In the area below, the petitioner shall enumerate the specific numerical section(s) from the Subdivision and Land Development Regulations for which an alternative compliance is being requested and provide a brief summary of the regulation. Attach a separate sheet if additional information is appropriate.

<u>Section Reference No.</u>	<u>Summary of Regulation</u>
1. <u>SEC 16.1205 (7)</u>	<u>RETENTION OF SPECIMEN TREES</u>
2. _____	_____
3. _____	_____
4. _____	_____
5. _____	_____

III. *Justification*

All alternative compliance requests must be fully justified by the petitioner. Incomplete or inadequate justification may result in rejection of the application at the time of submission. Justification must be specific to the subject property. The justification provided by the petitioner should include all factors which rationalize or substantiate the request in accordance with the following criteria:

- a. Summarize any extraordinary hardships or practical difficulties which may result from strict compliance with the Regulations.
- b. Verify that the intent of the Regulations will be served to a greater extent through the implementation of the alternative proposal.
- c. Substantiate that approval of the alternative compliance will not be detrimental to the public interests.
- d. Confirm that approval of the alternative compliance will not nullify the intent of the Regulations.

PLEASE ATTACH A SEPARATE LETTER OF JUSTIFICATION TO SUPPORT THE ALTERNATIVE COMPLIANCE REQUESTS.

IV. *Pre-Submission Meeting Requirements*

- a. **Community Meeting Requirement** - If no previous subdivision plans and/or zoning or conditional use petitions were processed, a pre-submission community meeting is required for the initial plan submittal of all new residential development and for new non-residential development located within 200 feet of a residential zoning district or an existing non-residential development which is located within 200 feet of a residential zoning district and proposed for a floor area expansion of more than 25% in accordance with Sections 16.156(a) and 16.128 of the Subdivision and Land Development Regulations for alternative compliance of the site development plan requirement. [See DPZ policy memo dated 3/22/04 for existing lots/parcels]. The property owner/developer must provide 3 weeks advance notice regarding the community meeting's date, time and location to all adjoining property owners identified in the records of the State Department of Assessments and Taxation and any community association that represents the geographic area of the subject property by first class mail; and sent electronically to any community association registered with the County for projects in a certain geographic area; the Howard County Council; and DPZ, which will place the meeting notice on the DPZ's website. The developer shall send a copy of the minutes and written responses to the meeting attendees and DPZ, either electronically or by first class mail. **A certification that meeting notices were mailed, contact information for the attendees and a copy of the minutes and a written response with a dated return mail receipt or dated email attached to all of the major comments recorded at the meeting must be submitted to DPZ along with the initial plan application. The meeting minutes, including a written response to all questions, shall be sent to all meeting attendees within 60 days of the meeting either electronically or by first class mail [Council Bill 6-2011].**
- b. **HPC Meeting Requirement** - A pre-submission advisory meeting with the Historic Preservation Commission is required for new development located within a Historic District or if the site contains a historic structure (50 years or older) in accordance with Section 16.603A of the Howard County Code. Verify this requirement by checking the Historic Sites Inventory list and maps available at the DPZ public service desk or checking with the Resource Conservation Division. The property owner/developer must contact the DPZ, Resource Conservation Division for the HPC scheduling process and procedures. **The property owner/developer must submit a copy of the minutes from the HPC Advisory Meeting to DPZ along with the initial subdivision or site development plan application.**
- c. **MAA Meeting Requirement** - For all proposed subdivisions or developments located within the BWI Airport Noise Zone or the Airport Zoning District (4 mile radius from the center of the airport), the review and approval by the Maryland Aviation Administration is required prior to signature approval of final plan road and SWM construction drawings, and/or site development plans, or alternative compliance approval of SDP. Please contact the MAA at P.O. Box 8766, BWI Airport, Maryland, 21240-0766, or (410) 859-7100. A copy of the MAA approval letter must accompany the submission of the final road/SWM construction plan original drawings, and/or site development plan original, or alternative compliance application.

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- d. **Design Advisory Panel (DAP)** – A pre-submission advisory meeting with the Design Advisory Panel is required for sketch and preliminary equivalent sketch plans that are submitted on or after November 3, 2008 for new development or redevelopment projects on parcels located in the U.S. Route 1 corridor that are zoned 'CE', 'CAC' or 'TOD' or that adjoin the Route 1 right-of-way and that are subject to the Route 1 Design Manual; on parcels located within the U.S. Route 40 corridor that are zoned 'TNC' or that are subject to the Route 40 Design Manual; on parcels which age-restricted adult housing is to be constructed pursuant to a conditional use; on redevelopment parcels located in the New Town Village Centers with boundaries proposed by a property owner or established by the Zoning Board or County Council; and for revitalization and redevelopment of Downtown Columbia in accordance with Sections 16.1501 and 16.1504 of the Howard County Code. The property owner/developer must contact the DPZ, Division of Comprehensive and Community Planning to verify this requirement and for information concerning the DAP meeting scheduling process and procedures. **The property owner/developer must submit a copy of the DAP project design recommendations to DPZ along with the initial subdivision plan application.**

V. **Plan Exhibit**

A. Number of Copies Required

The alternative compliance application must be accompanied by copies of a detailed plot plan, subdivision plat or site development plan (**15 sets of the completed alternative compliance application and plan exhibit if the subject property adjoins a County road; 19 sets for properties adjoining a State road**).

In instances where the alternative compliance request concerns an approval extension or if an associated plan is in active processing, only 2 sets of plans are required along with 15 or 19 copies of the application form. **Plans must be folded to a size no larger than 7-1/2" x 12". The pre-packaging of plans and supplemental reports by SRC agency will be permitted by DPZ provided that each package contains a cover letter which itemizes all plans, reports and documents included in the package.**

Please be advised that all plan application submissions are ACCEPTED BY APPOINTMENT ONLY. All plan submission appointments must be scheduled with the Division of Land Development at (410) 313-2350.

Plan applications are available on the DPZ website at <https://howardcountymd.gov/Departments/Planning-and-Zoning/Land-Development>.

B. Plan Requirement Checklist

The detailed alternative compliance exhibit, plot plan, subdivision plan or site development plan must indicate the following required information relevant to the alternative compliance request to ensure acceptance of the alternative compliance application for processing.

Legend:	<input checked="" type="checkbox"/> Information Provided	<input checked="" type="checkbox"/> Information Not Provided, Justification Attached
	<input type="checkbox"/> NA	<input type="checkbox"/> Not Applicable

1. Vicinity map scale 1" = 2,000' indicating and identifying the total boundary of the property, exact site location, vicinity roads and north arrow.
2. Bearings and distances of property boundary lines for the entire tract and size of tract area.
3. North arrow and scale of plan.
4. Location, extent, boundary lines and area of any proposed lots.
5. Any existing or proposed building(s), structures, points of access, driveways, topography, natural features and other objects and/or uses on the subject and adjacent properties which may be relevant to the petition; i.e. historic structures, cemeteries or environmentally sensitive areas.
6. Delineation of building setback lines.
7. Delineation of all existing public road and/or proposed street systems.
8. Identification and location of all easements.
9. Approximate delineation of floodplain, streams, wetland and forested areas, if applicable, and/or

- provide a professional certification that environmental features do not exist on the property.
- N/A 10. Road profile to evaluate sight distance, if the application includes a request for direct access to a major collector or more restrictive roadway classification.
- ✓ 11. Any additional information to allow proper evaluation (e.g. for alternative compliance to wetland buffers an alternative analysis and mitigation proposal are needed; for alternative compliance to SDP requirements where there is no subdivision of land, an APFO Roads Test evaluation may be needed, for alternative compliance of final plat or SDP, a copy of property deeds to confirm legal creation or status of property is needed). WETLAND CERTIFICATION, JUSTIFICATION NARRATIVE.
- N/A 12. Photographs, perspective sketches or cross-sections as necessary to adequately portray the alternative compliance request.
- ✓ 13. The exhibit plans should be highlighted to accurately illustrate the requested alternative compliance(s) to allow proper evaluation (i.e. proposed grading, tree clearing or other disturbances within environmentally sensitive areas or buffers).
- N/A 14. Submit 2 sets of photographs for all existing on-site structures.
- ✓ 15. Identify the location of any existing wells and/or private septic systems.
- N/A 16. **Route 1 Manual**
Compliance with the Route 1 Manual is required for new development and some alterations or enlargements located in the CE, TOD and CAC zoning districts and for other zoning districts located within the Route 1 corridor. All plan submissions, beginning with the initial subdivision or site development plan, shall show all applicable streetscape, site and building designs responding to the Route 1 Manual's requirements and recommendations. All plan submissions shall provide a written summary of how the proposed design achieves the objectives of the Route 1 Manual. Also, building design and schematic architectural elevation details must be included with the initial subdivision or site development plan submission.
- N/A 17. **Route 40 Design Manual**
Compliance with the Route 40 Design Manual is required for new development and redevelopment projects located in the Traditional Neighborhood Center (TNC) zoning districts and on parcels located within the Route 40 Corridor as defined in the Route 40 Design Manual. All plan submissions within the Route 40 corridor, beginning with the initial subdivision or site development plan, shall show all applicable streetscape, site and building designs responding to the Route 40 Design Manual's requirements and recommendations. All plan submissions within the Route 40 corridor shall provide a written summary of how the proposed design achieves the objectives of the Route 40 Design Manual. Also, building design and schematic architectural elevation details must be included with the initial subdivision or site development plan submission.
- ✓ 18. **Property Deeds** – Information to confirm the legal creation or status of the property to be improved. (Copy of deeds from Howard County Land Records Office or record plat name and recording reference number). **A complete chronological deed history is required for all deeded residential properties. Provide 2 copies of the recorded deeds for the subject property tracing its history back to 1960.**
- N/A 19. Please complete the following:

A pre-submission meeting was held with DPZ on _____ with
[date]
_____, if applicable.
[DPZ, Director, DLD Division Chief or other SRC representatives]

VI. Fees

The Alternative Compliance application fee shall be in accordance with the adopted fee schedule. All checks shall be made payable to the *Director of Finance*. **The petition will not be accepted for processing until the fee has been paid. Incomplete, incorrect or missing information may result in the rejection of the application** and could cause additional time to be required to revise the application for resubmittal and re-review. For more information or questions, contact DPZ at (410) 313-2350.

VII. **Owner's/Petitioner's Certification**

I/WE the undersigned fee simple owner(s) hereby make application to the Howard County Department of Planning and Zoning to provide an alternative compliance request of the minimum requirements of the Howard County Subdivision and Land Development Regulations. The undersigned hereby certifies the information supplied herewith is correct and complete, confirms that the regulations and policies as referred to in the attached are understood, and authorizes periodic on-site inspections by the Howard County Subdivision Review Committee agencies. ***If the applicant is the owner's agent, written documentation from owner granting that authority is required at the time of the submission.**

Owner's authorization attached *

Thomas Locke
(Signature of Property Owner)
(Fee Simple Owner Only)

(Date)

David A. Adams
(Signature of Petitioner Preparer) *

7/3/17
(Date)

THOMAS LOCKE
(Name of Property Owner)

DAVID A. ADAMS; VANMAR Assoc., INC.
(Name of Petitioner Preparer, Surveyor/Engineering/Architect or Agent/Developer)

215 W. MANOR CT.
(Address)

310 S. MAIN ST.
(Address)

MOUNT AIRY, MD 21771
(City, State, Zip Code)

MOUNT AIRY, MD 21771
(City, State, Zip Code)

E-Mail _____

E-Mail dadams@vanmar.com

240-421-0848
(Telephone) (Fax)

301-829-2390
(Telephone) (Fax)

Contact Person: THOMAS LOCKE

Contact Person: DAVID A. ADAMS

Howard County Department of Planning and Zoning
Division of Land Development

INITIAL SUBMISSION
ALTERNATIVE COMPLIANCE WORKSHEET
(For DPZ Use Only)

Project Name LOT 26 WOODCAMP FARMS DPZ File No. _____
DPZ Plan Reviewer _____ Submission Date _____
Plan Consultant Representative _____ Time _____

- I. **Application Requirements** *Indicate Yes, No or N/A*
- a. Application is complete _____
 - b. Required number of plans and applications are provided _____
 - ___ Plans (15 sets on County Road or
 - ___ Applications 19 sets on State Road)
 - c. Supplemental Information is provided _____
 - d. Certification of pre-submission community meeting and summary of community comments with dated responses to all meeting attendees within 60 days is provided and three week notice given to DPZ and County Council, if applicable _____
 - e. Certification of pre-submission HPC advisory meeting for new projects in Historic District or listed in Historic Sites Inventory _____
 - f. Photographs of existing structures (for Historic Preservation Review) _____
 - g. MAA Approval Letter (if applicable) _____
 - h. Written summary of Route 1 Manual/Route 40 Design Manual compliance (if applic) _____
 - i. DAP project design recommendation for Route 1/Route 40 projects _____

II. **Fee Computation**

	Fee
Number of alternative compliance sections requested	1
* Base Fee for first two alternative compliance sections (\$450).....	450
Fee for each additional alternative compliance section (___ additional alternative compliances x \$50 each)	_____
.....	
* (Maximum fee of \$350 for Agricultural Preservation parcels)	_____
TOTAL	\$450

III. **Certification**

Cash Receipt No. _____ Amount _____
SAP Acct 1000000000-3000-3000000000-PWPW000000000000-432530

Check issued by _____

___ Alternative Compliance application is accepted for processing.

___ Scheduled SRC meeting date.

___ Alternative Compliance application is rejected.

Reason: _____

___ Resubmission is accepted. Date _____ Staff initials _____

Comments/Notes _____

JUSTIFICATION FOR THE
REMOVAL OF SPECIMEN TREES ON LOT 26 OF WOODCAMP FARMS
July 3, 2017

Rationale

Of the 3.22 acres of land, which make up Lot 26 of Woodcamp Farm, 100% is covered by a mature deciduous forest, including three specimen trees size of 30" dbh and greater. In order to build a home, with septic, driveway, and grading, two of the three need to be removed. The following narrative is submitted to justify the removal of some specimens.

Location of development, especially the extent of grading within the Limits of Disturbance (LOD), is largely due to constraints resulting from septic test approvals and house construction. Such grading will occur within the root zone of Specimen Trees #2. Additionally, Specimen #3 exists at the edge of the well box and near to the back face of the proposed house.

Each specimen was measured, evaluated, and survey located in the field. The following is a description of each tree.

Specimen #2. A 32" dbh Hickory sp. The tree stands 15' from the front door of the proposed house and is adjacent to the approved septic field. Health is fair. Significant competition from surrounding trees is seen in the canopy. The canopy is thin. The tree will be effected by significant wind throw after removal of trees for the adjacent septic field and house. Removal is recommended for safety to the proposed house.

Specimen #3. A 32" dbh Hickory sp. Health is fair . The tree stands 64' from the corner of the proposed house. Significant competition is seen in the canopy by surrounding trees. The canopy is thin. Removal of surrounding trees for house construction will also subject the tree to wind throw, making its removal important for safety reasons. Removal is also recommended due its proximity to the house and to the well box and for root removal and water table fluctuation as a result of construction.

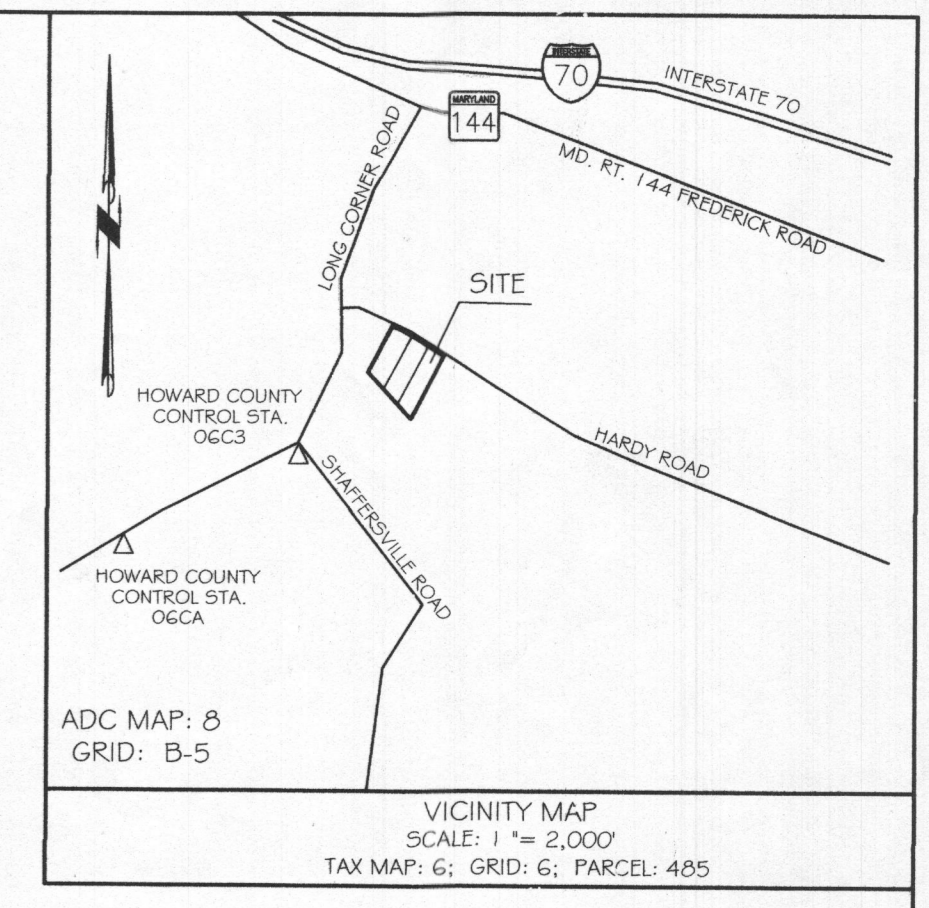
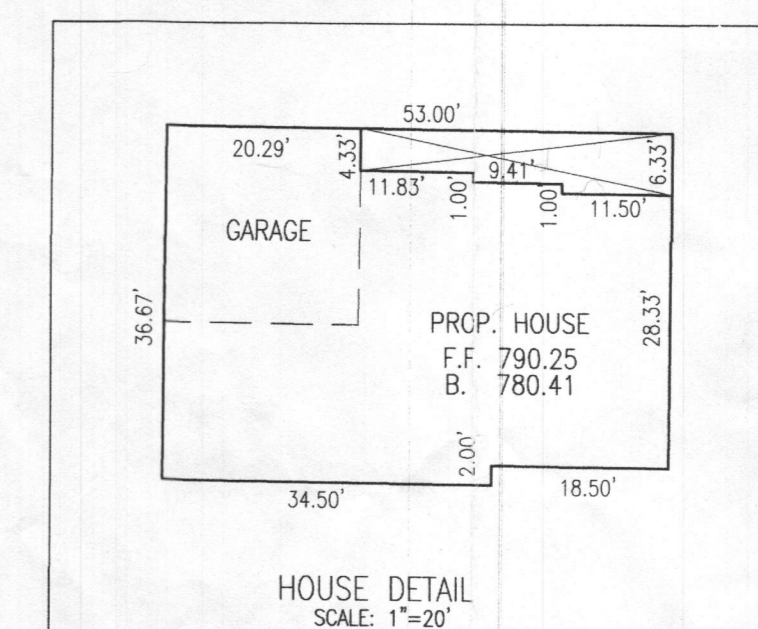
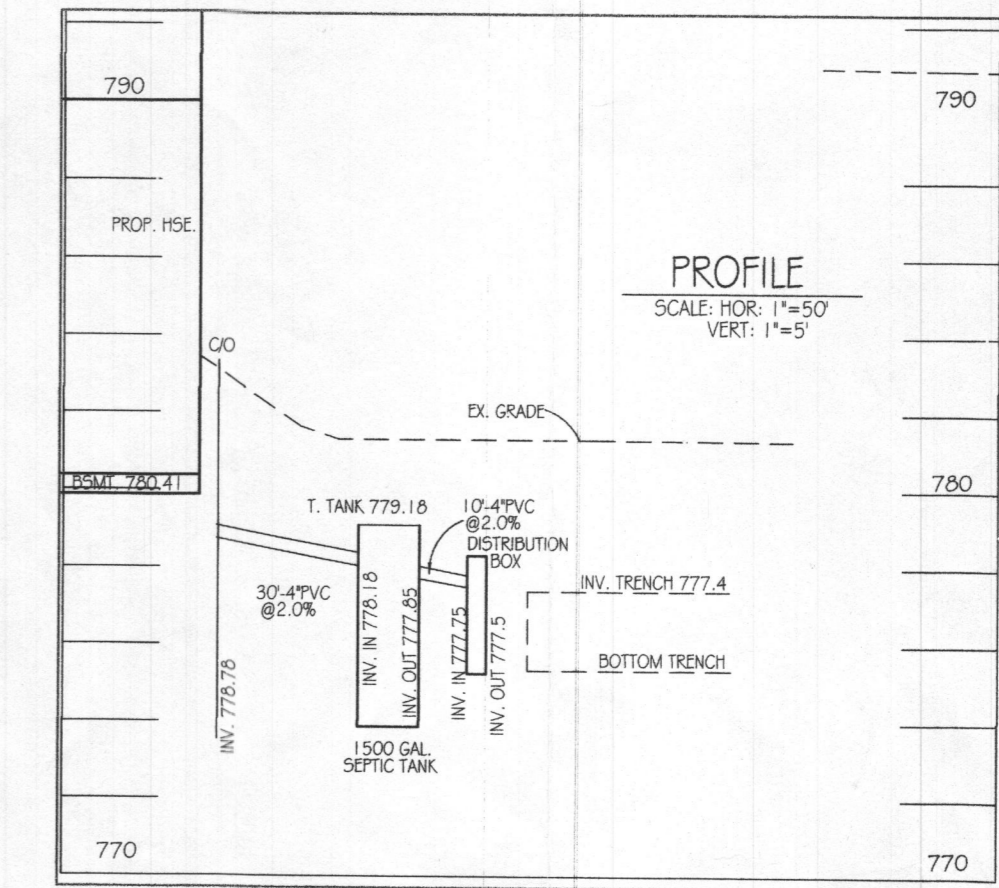
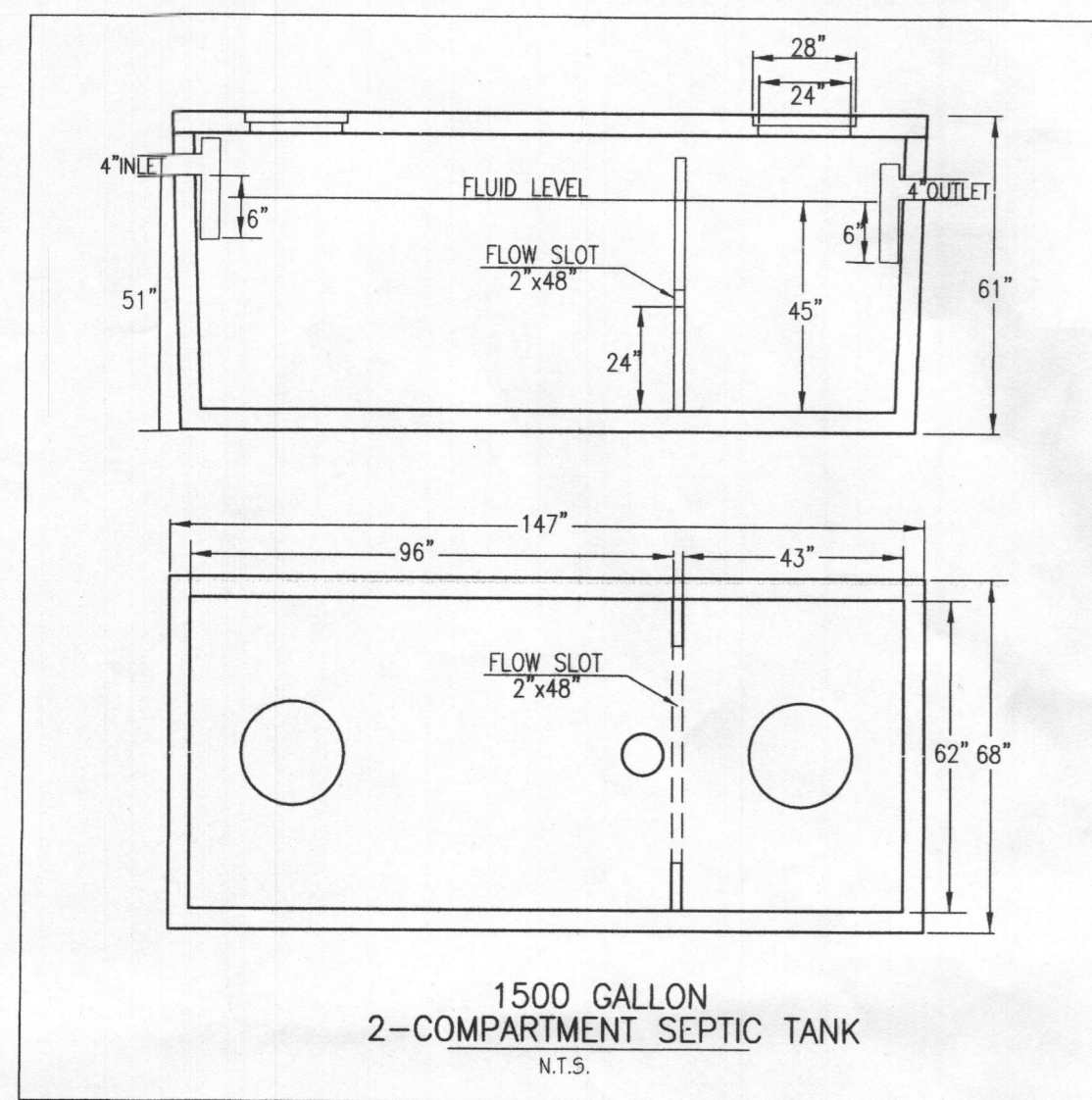
In summary, two of three specimen trees require removal for house construction and establishment of the well box.

Respectfully submitted,
VANMAR ASSOCIATES, INC



David A. Adams, RLA





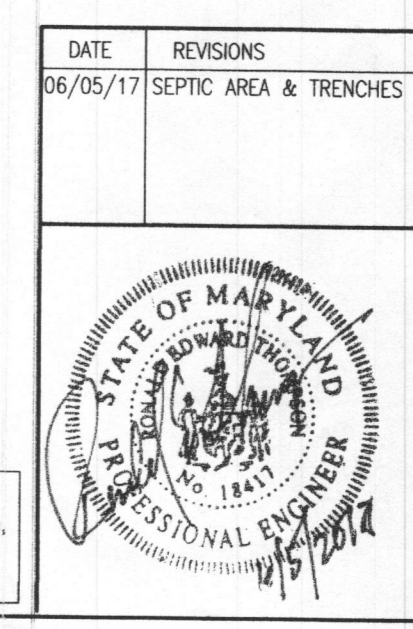
- GENERAL NOTES:
1. TOPOGRAPHY & PLANIMETRIC FEATURES SHOWN HEREON TAKEN FROM COPYRIGHTED GIS DATA FROM HOWARD COUNTY, SUPPLEMENTED WITH FIELD LOCATIONS BY VANMAR ASSOCIATES, INC. CONTOUR INTERVAL IS 2 FEET. VERTICAL DATUM IS NAVD83.
 2. THE EXISTING WELLS SHOWN ON THIS PLAN HAVE BEEN FIELD LOCATED BY VANMAR ASSOCIATES OR TAKEN FROM AVAILABLE RECORDS AND ACCURATELY SHOWN.
 3. ZONING DISTRICT: RC-DEO
 4. LIMIT OF DISTURBANCE (LOD) = 29,500 SQ. FT.
 5. THERE ARE NO STREAMS, PONDS, FLOODPLAINS OR WETLANDS ON THIS LOT.
 6. STORM WATER MANAGEMENT FOR THIS LOT IS PROVIDED BY N-1 ROOFTOP DISCONNECTION AND N-2 NON ROOFTOP DISCONNECTION.

- SEPTIC SYSTEM TRENCH DESIGN
- INITIAL NUMBER OF BEDROOMS = 4
 APPLICATION RATE = 1.2 GPD / sq. ft.
 DESIGN FLOW: 150 GPD X 4 BEDROOMS = 600 GPD
 600 GPD / 1.2 GPD/sq. ft. = 500 sq. ft.
 500 sq. ft. / 3 ft. WIDE TRENCH = 167 LF TRENCH
 167 LF TRENCH X 0.83 REDUCTION CREDIT = 139 LF TRENCH
 TRENCH 1 (T1) EX. GRD=781.4 - INV. TRENCH=777.4 3. TRENCH=775.9
 TRENCH 2 (T2) EX. GRD=780.0 - INV. TRENCH=776.0 - B. TRENCH=774.5
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 APPLICATION RATE = 1.2 GPD / sq. ft.
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- 2nd REPLACEMENT
 APPLICATION RATE = 1.2 GPD / sq. ft.
 DESIGN FLOW: 150 GPD X 4 BEDROOMS = 600 GPD
 600 GPD / 1.2 GPD/sq. ft. = 500 sq. ft.
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 2. MAXIMUM COVER OVER THE TANK IS 3 FEET. GREATER DEPTH WILL REQUIRE A HEAVY LOAD BEARING TANK.
 3. ELECTRICAL WORK FOR THE INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
 4. THE WELL HO-17-0124 HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.
 5. ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 20' DOWN GRADE/INT OF ANY WELLS AND OR SEPTIC SYSTEMS HAVE BEEN SHOWN.

Approved Septic System Plan
 Howard County Health Department
 Hank Oswald (03/17)
 Signature Date

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: 9-18-17.

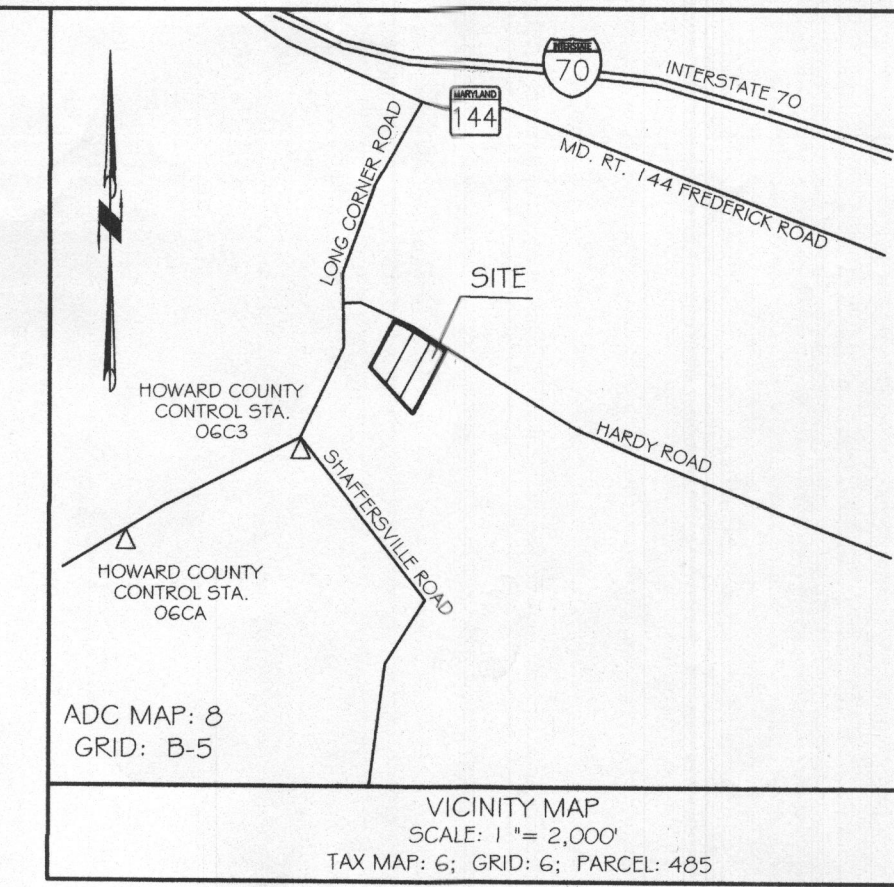
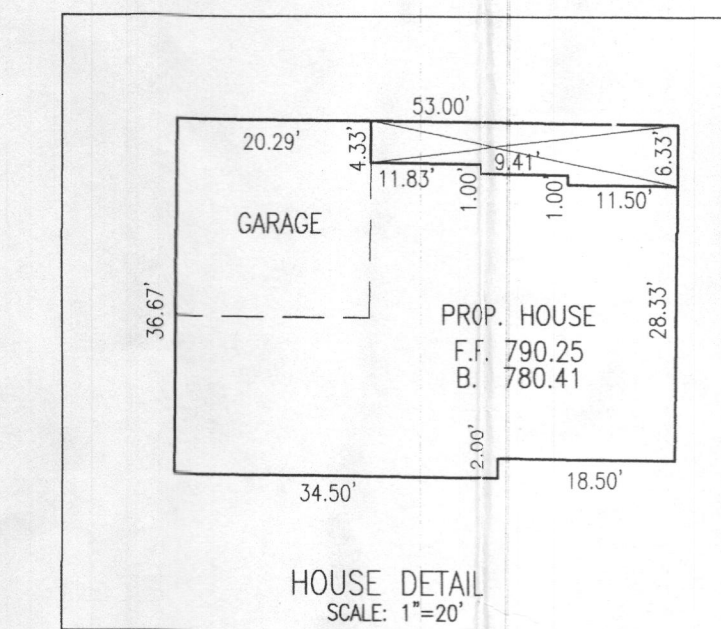
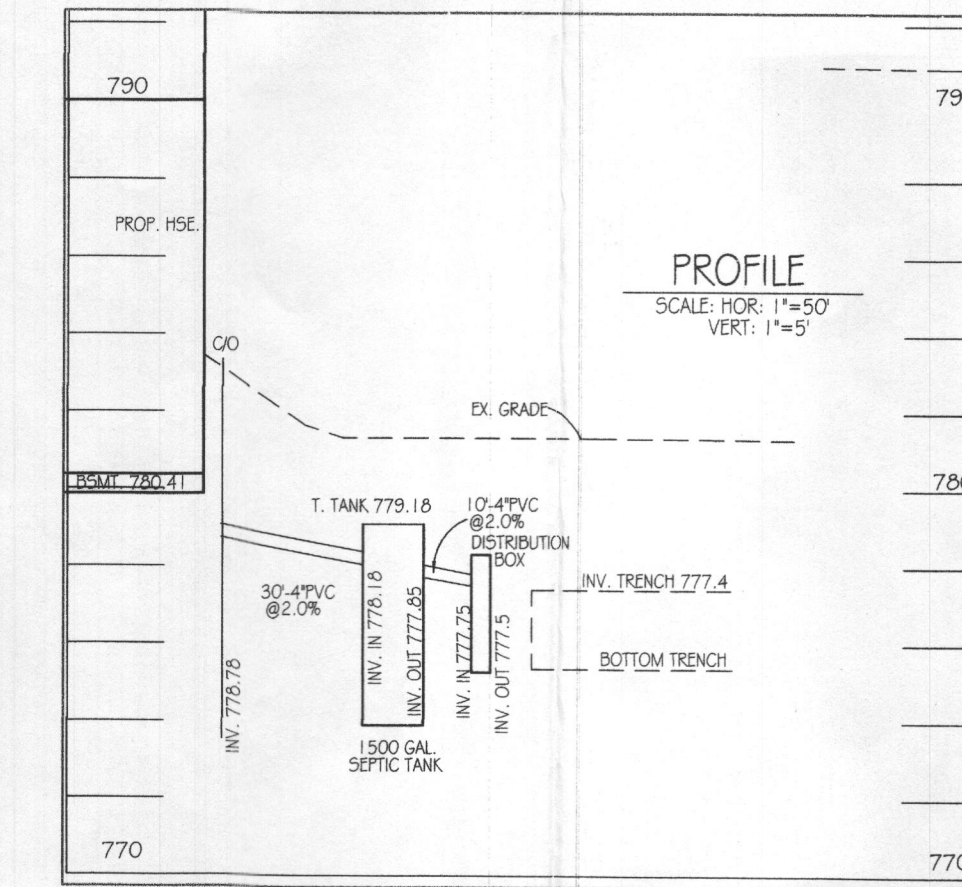
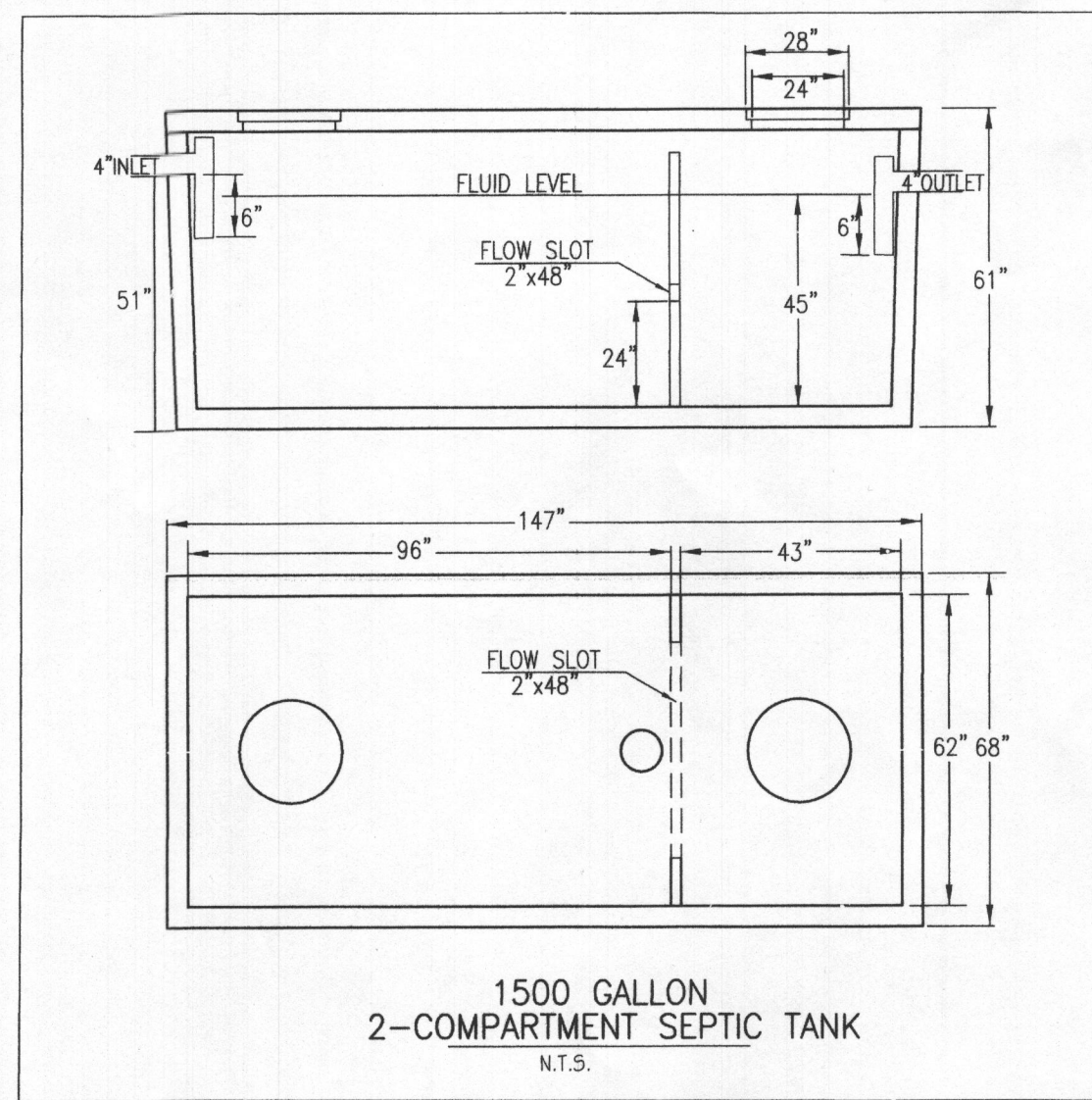


DATE	REVISIONS
06/05/17	SEPTIC AREA & TRENCHES

ON SITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN
 LOT 26
 WOODCAMP FARMS
 PLAT NO. 23676

TAX MAP: G	ELECTION DISTRICT: No. 4	SCALE: 1" = 50'
GRID NO: 6	HOWARD COUNTY, MARYLAND	DATE: APRIL, 2017
P/O PARCEL NO: 405	EX. ZONING: R	SHEET 1 OF 1

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



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Approved Septic System Plan
 Howard County Health Department
 Hank Oswald
 Signature Date

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: 9-18-17.

DATE 06/05/17	REVISIONS SEPTIC AREA & TRENCHES	ON SITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN LOT 26 WOODCAMP FARMS PLAT NO. 23676	
TAX MAP: G GRID NO: 6 P/O PARCEL NO: 485	ELECTION DISTRICT: No. 4 HOWARD COUNTY, MARYLAND EX. ZONING: R	SCALE: 1" = 50' DATE: APRIL, 2017 SHEET 1 OF 1	 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

Oswald, Hank

From: Oswald, Hank
Sent: Friday, March 03, 2017 10:41 AM
To: 'Ron Thompson'; Williams, Jeffrey
Subject: RE: OnSite Disposal
Attachments: Septic Specs_Hardy Road_Lots 25 and 26.pdf

Hi Ron:

Attached, please find a copy of the septic specs for Woodcamp Farms, Lots 25 & 26. Note, the OSDS Plan must show a well box or 2 alternate well sites. Should the existing well site on the approved plan result in dry hole, the existing plan would need to be revised. An engineer could come in to the office and redline the plan to show a well box or new well sites in an agreed upon location.

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

Hank

From: Ron Thompson [<mailto:ron@vanmar.com>]
Sent: Thursday, March 02, 2017 2:04 PM
To: Williams, Jeffrey; Oswald, Hank
Subject: OnSite Disposal

Jeff and Hank:

Attached are the Onsite Sewage Disposal Worksheet for Lots 25 & 26. I have included the approved plan for your reference.

Thank you.

Ronald E. Thompson, PE
VANMAR ASSOCIATES
310 South Main Street
PO Box 328
Mount Airy, Maryland 21771
301-829-2890 (O)
443-421-2164 (C)
301-831-5603 (F)