



# HOWARD COUNTY HEALTH DEPARTMENT

56570

8/14/15 DATE

P-5

Received From

Robert & Joanne Mead

PHONE #

410-489-2442

For

Septic Repair 3314 Hipsley Mill Rd

CASH

CHECK

NO.

28602

Three hundred ninety-six <sup>00</sup>/<sub>100</sub>

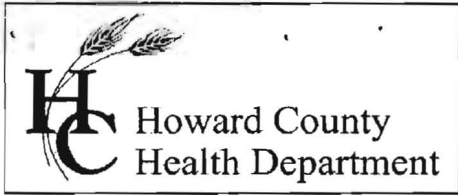
Dollars

\$

396.00

Received By

M. Curry



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

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

RECEIPT DATE: 8/4/15      **ONSITE SEWAGE DISPOSAL SYSTEM**      P 556570  
 APPROVAL DATE: 9/9/15 SEC      **PERMIT: BRF**      **REPAIR**      A REPAIR  
 PROPERTY ADDRESS: 3316 Hipsley Mill Road  
 SUBDIVISION: \_\_\_\_\_ LOT: \_\_\_\_\_ TAX ID: 04-314085  
 CONTRACTOR: Fogle's Septic Clean Inc.      EMAIL: kevin@foglesinc.com  
 CONTRACTOR ADDRESS: 580 Obrecht Road, Sykesville, MD 21784      PHONE: 410-795-5670  
 PROPERTY OWNER: Robert and Joanne Mead      EMAIL: \_\_\_\_\_  
 OWNER ADDRESS: 3316 Hipsley Mill Road, Woodbine, MD 21797      PHONE: 301-252-0061

**Hoot 600**  
 SEPTIC TANK SIZE (GALLONS): BNR      PUMP CHAMBER CAPACITY (GALLONS): 750G      PUMP SIZE: 1/2 HP  
 NUMBER OF BEDROOMS: \_\_\_\_\_ HOUSE SQ. FT. \_\_\_\_\_ APPLICATION RATE: \_\_\_\_\_  
 DISTRIBUTION SYSTEM:    GRAVITY FED       LOW PRESSURE DOSED       33 Ton

TRENCHES:	LINEAR FEET REQUIRED: <u>78</u>	INLET DEPTH: <u>3</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>6</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>12</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>4</u>
LOCATION:	<b>TO BE STAKED BY SANITARIAN DURING PRE-CONSTRUCTION INSPECTION.</b>	
NOTES:	Replace septic tank. BAT unit required. Pump existing septic tank and dry well and properly abandon for final approval of septic system permit. For 3 bedroom residence 3ft wide trench, need 78 feet of total trench.	

ISSUED BY: Robert Bricker      ISSUE DATE: 8/25/15      EXPIRATION DATE: 8/4/16

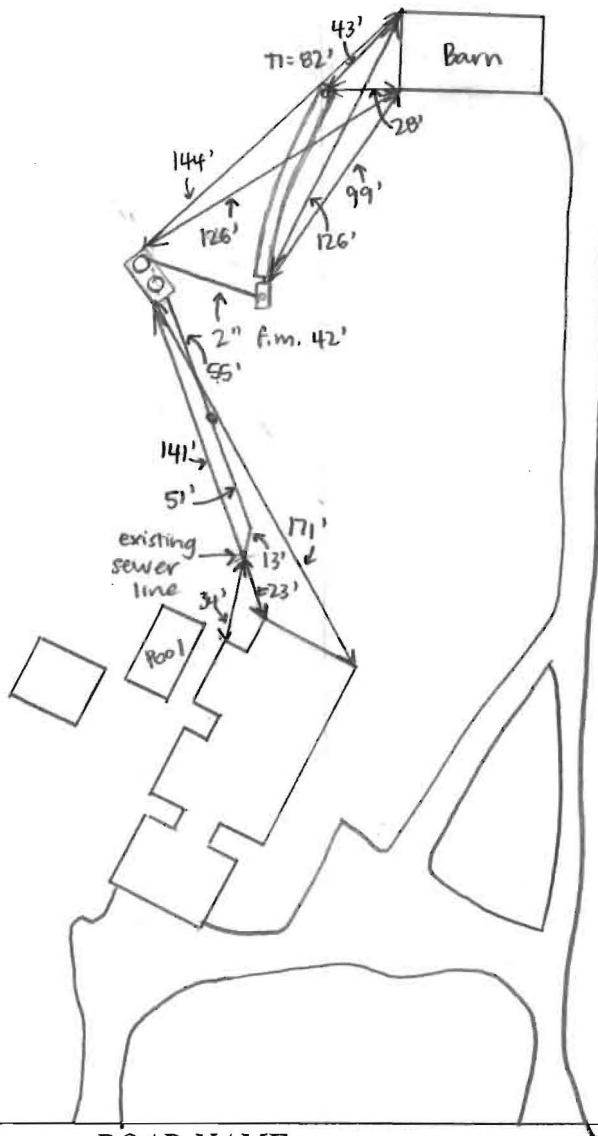
- NOTE: **CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION**
- NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING
- NOTE: STONE MUST BE APPROVED BY HEALTH DEPARTMENT AND GRAVEL TICKET MUST BE AVAILABLE FOR REVIEW.
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE AT LEAST 100 FEET DOWNGRADIENT FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS
- NOTE: **AN ELECTRICAL PERMIT IS REQUIRED FOR INSTALLATION OF ANY ELECTRICAL COMPONENTS OF THE SYSTEM**  
 ELECTRICAL PERMIT ISSUED    E \_\_\_\_\_
- NOTE: **THE HCHD DOES NOT WARRANTY ANY SYSTEM AND CANNOT GUARANTEE THE PERFORMANCE OF THIS SYSTEM AS DESIGNED. BY ACCEPTING THIS PERMIT, THE OWNER AND/OR APPLICANT ACKNOWLEDGE THAT THE SPECIFICATIONS DETAILED IN THIS DESIGN ARE ONE POSSIBLE OPTION AND THAT THE HCHD WILL REVIEW OTHER PROPOSALS. YOU HAVE THE OPTION TO SEEK THE ADVICE OF A QUALIFIED DESIGN CONSULTANT OR PROFESSIONAL ENGINEER FOR FURTHER GUIDANCE.**
- NOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATE TO ENSURE THAT SOLIDS ARE NOT DISCHARGED TO THE DISPOSAL AREA

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

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

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

NOT TO SCALE



1" ≈ 80'

ROAD NAME  
HIPSLEY MILL

**TRENCH/DRAINFIELD DATA**

WIDTH	INLET	BOTTOM
3'	4'	6'
NUMBER OF TRENCHES <u>1</u>		
TOTAL LENGTH <u>82'</u>		
ABSORPTION AREA <u>246" + SIDEWALL</u>		
DISTRIBUTION BOX LEVEL <u>YES</u>		
DISTRIBUTION BOX BAFFLE <u>YES</u>		
DISTRIBUTION BOX PORT <u>YES</u>		

**SEPTIC TANK DATA**

SEPTIC TANK I LEVEL	<u>YES</u>
MANUFACTURER	<u>HOOT</u>
CAPACITY	<u>600 BNR</u> GAL
SEAM LOC	<u>TOP</u>
TANK LID DEPTH	<u>2'</u>
BAFFLES	<u>YES</u>
BAFFLE FILTER	<u>NO</u>
MANHOLE LOC	<u>FRONT + REAR</u>
6" PORT LOC	<u>NONE</u>
WATERTIGHT TEST	<u>NO</u>
SLOTTED	<u>NO</u>
DATE ON LID	<u>-</u>

**PUMP/SEPTIC TANK LEVEL**

MANUFACTURER	_____
CAPACITY	_____ GAL
SEAM LOC	_____
TANK LID DEPTH	_____
BAFFLES	_____
BAFFLE FILTER	_____
MANHOLE LOC	_____
6" PORT LOC	_____
WATERTIGHT TEST	_____
SLOTTED	_____
DATE ON LID	_____

**PRE-CONSTRUCTION:**

8/17/15 For site work exposed. Estimated that @ base on ex. sewer line (cast iron) Aprt 2 1/2" fall to ex 5" to use as grade (slope). no way to make up fall. Will need T.B. tank / P.T. included or possibly submit BAT w/ built-in pump (i.e. Hoot sus) (X)

INSTALLATION: 8/28/15 Tank installed and tied into existing line. Y-cleanout also installed near house for new addition. Dry well and old tank both pumped + collapsed.

Tank has traffic-bearing lid. Line bedded from cleanout to tank, 1-2% fall. (SC)  
8/31/15: D-box installed and connected to tank. Trench finished + left open. 2-3' to stone. Need BAT startup certification. (SC) 9/9/15 Hoot startup received. (SC)

FINAL INSPECTOR Sarah Collins

DATE OF APPROVAL 9/9/15

# Letter of Satisfaction

## Hoot System Installation

Address of Property: 3316 Hipsley Mill Rd.  
Woodbine, MD 21797

Date of Final Inspection: 9/4/15

Installer: Fogles

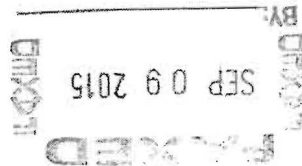
Hoot Technician/Inspector: Mike Sample

I hereby certify that the Hoot system installed at the property listed above has been installed according to proper Hoot installation practices. I have also verified the startup of the system and it is in proper working order.

Sincerely,

N. Michael Dayer

Name of Inspector  
Mayer Bros., Inc.



PH: 410-796-1434

FX: 410-796-1438

**WBE**  
**NPCA Certified Plant**

mayerbro@connext.net  
www.mayerbrosprecast.com

Grease Interceptors, Grease Solutions, Aerobic Treatment Units, Septic Tanks, Holding Tanks, Storm Water Structures, Hydroceptors,  
Bench Barrier, Water Meter Vaults, Sectional Valve Vaults, Top Slabs, Curb Heads, Curb Bumpers, PermEntry Basement Entries,  
Scapewel Window Wells, Custom Precast Products

# Mayer Bros., Inc.

Manufacturers of

**PRECAST CONCRETE PRODUCTS**

6264 Race Road ElkrIDGE, MD 21075  
 Phone: (410) 796-1434 Fax: (410) 796-1438

www.mayerbrosprecast.com E-MAIL: mayerbro@connext.net

## Proposal For Bay Restoration Fund Septic Upgrade

<b>Submitted To:</b> Robert Mead	<b>Installer:</b> Fogle's Septic Clean	<b>Date:</b> 8/20/15
<b>Street:</b> 3316 Hipseley Mill Rd.	<b>Street:</b> 580 Obrecht Rd.	<b>County:</b> Howard
<b>City, State, &amp; Zip Code:</b> Woodbine, MD 21797	<b>City, State, &amp; Zip Code:</b> Sykesville, MD 21784	<b>Permit No.:</b>
<b>Site Address:</b> same	<b>Contact:</b> Kevin	<b>MDE Contact:</b>
<b>Phone:</b> Cell: 301-252-0061	<b>Phone:</b> 410-795-5670 <b>Fax:</b> 410-795-3432	<b>MDE phone:</b>
<b>email:</b> ramead@meadtree.com	<b>Email:</b>	<b>MDE email:</b>

We hereby submit specifications and estimate for the following: **(MDE Pre-Bid Central Region \$12559)**

<b>HOMEOWNER RESPONSIBLE FOR:</b>	50% Portion Not Funded from County	<b>\$6,279.50</b>
Completing MDE Conditions of Financial Assistance Form; Completing Easement Form, and filing with County; Filing all completed paperwork for reimbursement; Permit Fees; Payment of invoice from Mayer Bros.		
<b>Upgrade to Traffic tank (\$1000 plus tax)</b>		<b>\$1,080.00</b>

**INSTALLER RESPONSIBLE FOR:**

Site visit to evaluate scope and feasibility, Installation Permits, and Miss Utility Notification		
Safe Abandonment of existing septic system, Electrical supply to Hoot System, external disconnect		
Installation and Hook up of Hoot System according to Installation Instructions, Water Supply to start up system		
Coordinating inspection and obtaining final approval from local health department.		
Final grading, seed and straw, one site visit as needed to address any settling that may occur.		
<b>MAYER BROS., INC. RESPONSIBLE FOR:</b>	Billing to CVI for County Portion	<b>\$6,279.50</b>
Supplying Hoot 600 BNR, Setting in excavation, Start up inspection and approval		
Homeowner review of 5 year Warranty, Registration and Service Policy		
5 years Operations and Maintenance		
Final payment to installation Contractor	<b>TOTAL</b>	<b>\$13,619.00</b>

**NOTE: NO work will be scheduled until excavation is recorded and permits have been issued.**

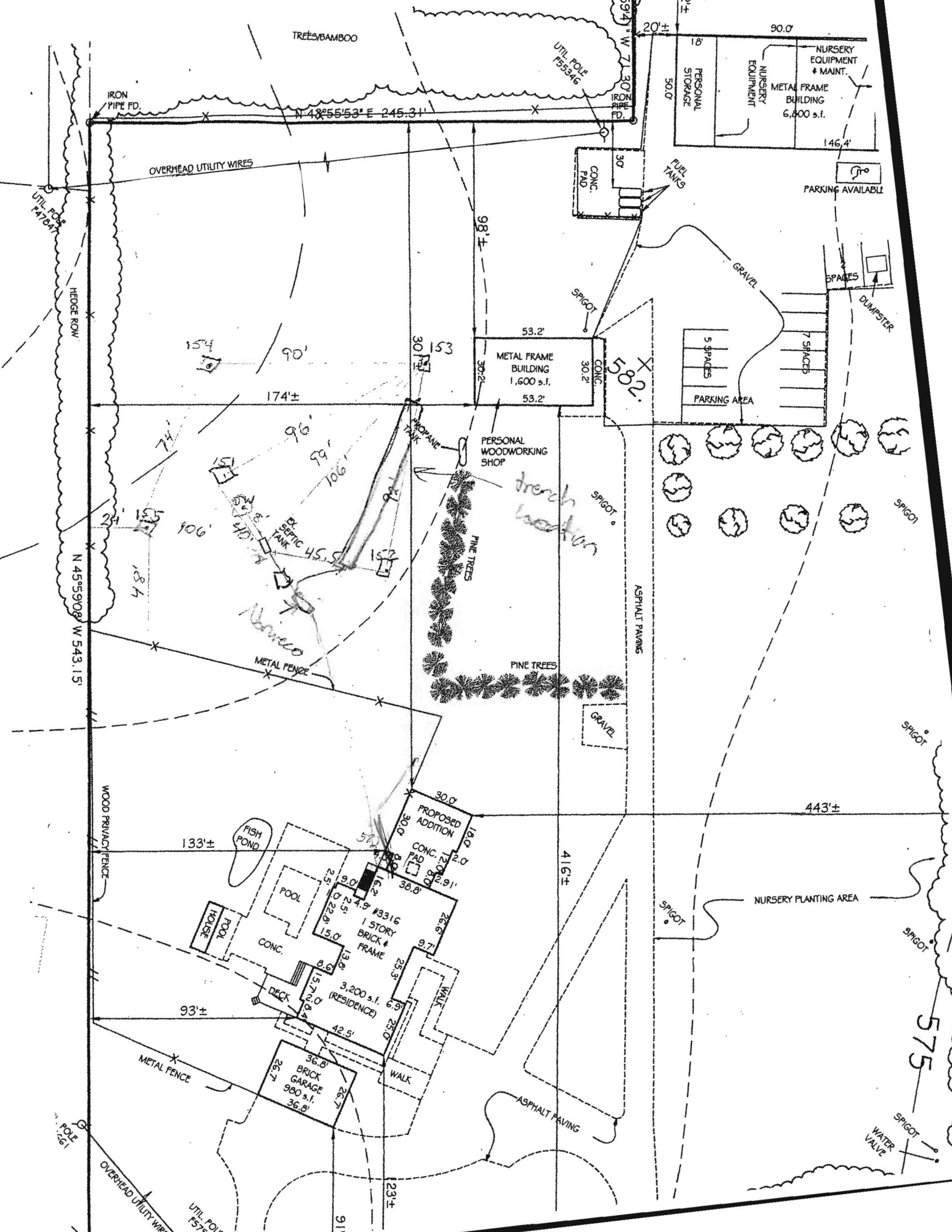
<b>TOTAL PRICE:</b>	<b>\$13,619.00</b>	<b>Delivered with MBI Truck Crane to Set</b>
---------------------	--------------------	--

**Payment To Be Made As Follows: Homeowner is responsible for \$7229.50 and any additional charges from installer**

While extreme caution is exercised during excavation activities, we can not be responsible for any underground utilities which are not marked by Miss Utility. We will take all reasonable precautions, but private utilities such as sprinkler systems or electrical service to outbuildings are the homeowners responsibility. Driveways and sidewalks will be protected and avoided as much as possible, but we are not responsible for damage.

<b>Authorized Signature:</b> <i>Nancy A. Mayer</i> Nancy A. Mayer - Mayer Bros., Inc.	We warrant all work to meet standards of bid to be acceptable to inspection and governmental agencies. Work is considered to be completed when accepted by appropriate county inspection agency and Hoot licensed representative.
---	---

<b>Acceptance of Proposal</b>	The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.
<b>*** No work will begin until receipt of signed proposal and County Approval ***</b>	
<b>Accepted:</b> <i>[Signature]</i> Homeowner	<b>Accepted:</b> <i>[Signature]</i> Installer
	<b>Date:</b> 8/24/15





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

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: 3316 Hipsley Mill Road

Subdivision: Tax Map 20 Parcel 40 Lot: \_\_\_\_\_

Initial system: Application rate: 1.2 Effective area beginning depth: 4 Bottom maximum depth: 6  
 1<sup>st</sup> Replacement: Application rate: 1.2 Effective area beginning depth: 4 Bottom maximum depth: 6  
 2<sup>nd</sup> Replacement: Application rate: 1.2 Effective area beginning depth: 4 Bottom maximum depth: 6

Design Flow = 150 gallons per day per bedroom

Design flow ÷ application rate = square footage of drainfield required

Linear length of trench required = drainfield square footage x sidewall reduction percentage ÷ trench width

Sidewall reduction credit formula:

$$\frac{W + 2}{W + 1 + 2D} \times 100 = \text{Percent of length of standard trench where } W = \text{trench width and } D = \text{depth between effective area beginning depth and trench bottom.}$$

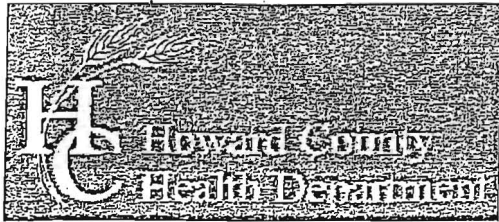
Standard design requirements:

- All trenches must be equal length unless low pressure dosed
- All trenches must be on contour
- Minimum trench spacing: 10' for all trenches utilizing sidewall reduction credit. Additional spacing may be necessary for any trench using over 3.5' of effective sidewall. In those cases, the spacing formula is 2D + W up to a maximum spacing of 18'.
- Minimum trench spacing for trenches with no sidewall credit (bottom area only) is 6' for a 2' wide trench and 9' for a 3' wide trench (spacing is measured edge to edge)
- Maximum trench length is 100'
- Maximum pipe depth is 4'

Additional requirements: Replace septic tank. BAT unit required, pump existing septic tank and dry well and properly abandon for Final Approval of septic system permit.

(For 3-bedroom residence & 3-ft. wide trench, need 78 feet total length.)

Approved: J Bricker Date: 7/30/2015



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

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

INFORMATION FORM - SEPTIC SYSTEM REPAIR/UPGRADE

Reason for Request:

- Reason for Request:
- [x] Failing System
- [ ] System relocation for proposed addition
- [ ] System upgrade for proposed addition
- [ ] Inadequate treatment zone
- [ ] Collapsed septic tank
- [ ] Collapsed drywell

Has the septic tank been pumped within the last month?

- Has the septic tank been pumped within the last month?
- [ ] Yes Date pumped: \_\_\_\_\_
- [x] No

Was a visual inspection of the septic tank and/or drain fields conducted?

- Was a visual inspection of the septic tank and/or drain fields conducted?
- [ ] Yes Explain observations: \_\_\_\_\_
- [ ] No

Existing system design

- Existing system design
- [x] Drywell
- [ ] Trench
- [ ] Mound
- [ ] Unknown
- [ ] Other: \_\_\_\_\_

Was a visual inspection of the sewage line conducted?

- Was a visual inspection of the sewage line conducted?
- [ ] Yes
 - Blockage leading to the tank
 - [ ] Yes. Explain: \_\_\_\_\_
 - [x] No
 - Blockage leading to the field
 - [ ] Yes. Explain: \_\_\_\_\_
 - [ ] No
- [ ] No

Is discharge surfacing on the ground?

- Is discharge surfacing on the ground?
- [ ] Yes
- [x] No

Additional Comments: \_\_\_\_\_

\*For REPAIRS, are the owners proposing, or do they plan to add in the future, any additions or modifications to the property, i.e. pools, living space additions, garages, etc? This information must be disclosed at the time of this application. The Health Department will not be able to accommodate requests in the field for property modifications unrelated to the repair request. Such requests may require an additional fee, testing, and submittal of a Percolation Certification Plan, if the property does not meet current Code and Regulation.

Septic Contractor: Fogles SEPTIC Contractor's Phone: 410-795-5670
Contractor's Address: 580 ORBERT RD SYKESVILLE MD 21784

Property Address: 3316 HERSLEY MILL RD County file: \_\_\_\_\_

Subdivision: \_\_\_\_\_ Lot: \_\_\_\_\_ Year Built: \_\_\_\_\_

Owner's Name: ROBERT & JOANNE MASAD Owner's Phone: 301-252-0061

Name of previous owners: Duplan Existing bedrooms: 3
Proposed bedrooms: 3

Has this request been previously discussed with a Sanitarian? (Name): ROBERT BECKER.
Public Sewer available/nearby: NO

\*A Sanitarian will be in contact within three business days, depending upon the urgency of the situation, to coordinate the scheduling/review of the repair or upgrade.

\*Prior to scheduling inspections, scaled plans should be submitted to clarify the nature of the addition.\*

Print out a copy of Real Property Data via Dept. of Taxation website \_\_\_\_\_ Indexed file found \_\_\_\_\_

If public sewer may be nearby, verify whether sewer is technically "available" through the Bureau of Engineering.

If sewer is available and the property is within the Metropolitan District, connection to sewer is required. If the owner believes reason for exemption exists, the owner should justify the request in writing.

If soil/site conditions are limited and sewer and/or Metro District status is not conducive to connection, the Sanitarian may recommend pursuit of Emergency Sewer Extension or Emergency Metro District Inclusion. The Owner should contact the Bureau of Utilities for details.

No permit is to be issued nor inspection to be scheduled without prior fee collection at the office unless an emergency situation exists. The contractor is to notify office of the emergency situation as soon as possible.

