

PUB. SEWER STATUS VERIFIED BY \_\_\_\_\_

ISSUE DATE: 9/14/09  
8/28/09

P 531917

APPROVAL DATE: 9/17/09  
*In Pat Trac*  
Tax ID # 5-357667

A 531893

**PERMIT**  
**ON-SITE SEWAGE DISPOSAL SYSTEM**  
**HOWARD COUNTY HEALTH DEPARTMENT**  
**BUREAU OF ENVIRONMENTAL HEALTH**

Storm Utilities  
848 Swift Road, Pasadena, MD 21122

IS PERMITTED TO INSTALL  ALTER   
Phone: (410)320-6498, (410)439-0339

SUBDIVISION: Payne LOT NUMBER: 5  
ADDRESS: 8325 Murphy Road, Fulton, MD 20759 OWNER: Suzanne Jewell

SEPTIC TANK CAPACITY (GALLONS): Hoot - 2000+

PUMP CHAMBER CAPACITY (GALLONS): \_\_\_\_\_

NUMBER OF BEDROOMS: 4

SQUARE FEET PER BEDROOM: \_\_\_\_\_

LINEAR FEET OF TRENCH REQUIRED: 164'

*1.5' Sidewall*  
*2' wide*  
*Inlet 4'*  
*Bottom 8'*  
*Two 82' trenches*

TRENCHES:	Perc testing will determine the trench specifications and their location.
LOCATION:	Install HOOT tank no closer to well than existing tank and preferably 100 feet or more from the well. Tank cannot be deeper than 3 feet below grade.
ADDITIONAL NOTES:	Pump out and fill in both the existing tank and the drywell.

PLANS APPROVED: B. Baker DATE: 8/28/09

- NOTE: PERMIT VOID AFTER 2 YEARS
- NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS

**NEITHER THE HOWARD COUNTY COUNCIL OR 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 FOR INSPECTIONS WHEN YOU ARE WORKING**

See As-Built  
Drawing On Separate Sheet

**TRENCH/DRAINFIELD DATA**

(If Installed/Needed)

WIDTH      INLET      BOTTOM  
2'      4'      8'  
NUMBER OF TRENCHES 2  
TOTAL LENGTH 173'  
ABSORPTION AREA 260  
DIST. BOX LEVEL Yes  
DIST. BOX BAFFLE Elbow  
DIST. BOX PORT Yes

**HOOT 600 GPD BNR SYSTEM  
BAY RESTORATION FUND**

MANUFACTURER Mayer Bros.  
CAPACITY 2000+ GAL  
SEAM LOCATION Top  
TANK LID DEPTH 1-1.5'  
FRONT BAFFLES Yes  
MANHOLE LOC Front+Rear  
6" PORT LOC None  
WATERTIGHT TEST No  
AERATOR FUNCTIONING Per Mayer  
ALARM FUNCTIONING Per Mayer  
DATE ON LID 9/9/09

9/15/09 Hoot unit set. House connection made. Pump line run under driveway. Old tank pumped out and filled in. Did layout for new trenches. (BB) 9/16/09 Trenches installed. Distribution box set. Pump line finished. Drywell pumped out. Need to do start-up of Hoot unit. (BB) 9/17/09 Hoot unit operating properly per Mayer brothers. Drywell filled in. (BB)

FINAL INSPECTOR B. Baber

DATE OF APPROVAL 9/17/09

Pit Well

14.5'

21'

8325 Murphy Road

81'

75'

9'

108'

102'

102'

108'

5.5'

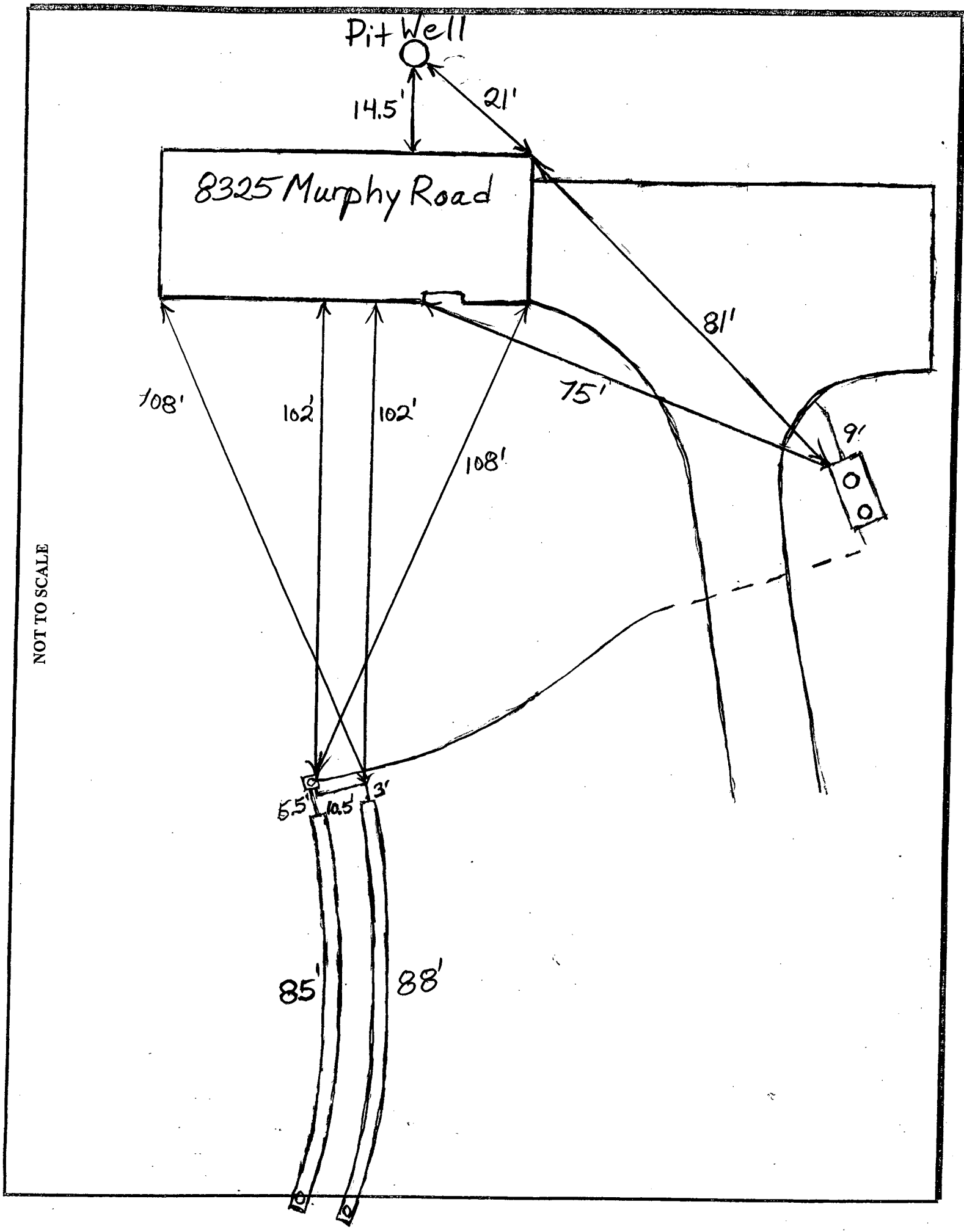
10.5'

3'

85'

88'

NOT TO SCALE





# MAYER BROS., INC.

Precast Concrete Products

6264 Race Rd. Elkridge, MD 21075

Federal ID 52-0706744

## Letter of Satisfaction

Hoot System Installation

Address of Property: 8325 Murphy Rd  
FULTON

Date of Final Inspection: 9-17-09

Installer: Emergency Storm Utilities

Hoot Technician/Inspector: Ed Mcullen

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

Sincerely,

Name of Inspector  
Mayer Bros., Inc.

PH: 410-796-1434

Fax: 410-796-1438

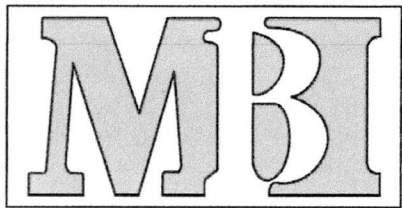
WBE

NPCA Certified Plant

mayerbro@connext.net

www.mayerbrosprecast.com

Grease Interceptors, Grease Solutions, HOOT Aerobic Treatment Units, Septic Tanks, Holding Tanks, Storm Water Structures, Hydroceptor, 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.**

6264 Race Rd.

Elkridge, MD 21075

Ph 410-796-1434 Fax 410-796-1438

Email: [info@mayerbrosprecast.com](mailto:info@mayerbrosprecast.com)

Howard County Health Department,

In reference to your inquiry about our Hoot 600 BNR unit rated at 600 gpd. Two years ago we had discussions with MDE about treatment capacity of advanced systems. MDE recommended that systems be designed at a minimum of 75gpd per bedroom. They also recommended the manufacturer issue their own recommendations. Hoot did so and recommends 100 gpd per bedroom be used for design. These are treatment designs, not drainfield capacity. We have done water meter testing and found that modern households use much less than 100gpd per bedroom in most circumstances unless the home is highly populated.

Therefore the Hoot 600 BNR has been approved for up to a 6 bedroom home.

If there are any further questions please don't hesitate to call me.

Sincerely,

Nancy J. Mayer  
President  
Mayer Bros., Inc.

Attachments:  
Hoot 600 BNR Shop Drawing

AGREEMENT AND EASEMENT FOR INSTALLATION  
OF BEST AVAILABLE TECHNOLOGY SYSTEMS 000017  
WITH BAY RESTORATION FUNDS.

THIS AGREEMENT is made this 1st day of April, among Suzanne Jewell, 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 8325 Murphy Road, in the \_\_\_\_\_ Election District of Howard County, Maryland, and the deed to same is recorded among the Land Records of Howard County, Maryland, in Ellicott City and in Liber \_\_\_\_\_ Folio \_\_\_\_\_.

WHEREAS, the Bay Restoration Fund (BRF) may provide a grant for the cost attributable to upgrading an onsite sewage disposal system to the Best Available Technology (BAT) for the removal of nitrogen.

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SC

WHEREAS, the BRF may also provide a grant for the cost difference between a traditional onsite sewage disposal system and a system that utilizes the BAT for the removal of nitrogen.

WHEREAS, Owner understands that participation in the Bay Restoration Fund is voluntary.

NOW, THEREFORE, the parties hereto agree as follows:

- A. 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.
- B. Owner acknowledges and agrees that a manufacturer-approved installer will install the BAT system.

- C. Owner acknowledges and agrees the manufacturer will provide for Operation and Maintenance of the BAT for a period of 5 years as a condition of sale of the BAT. After the 5 year period the Operation and Maintenance contract can be further extended at the behest of the property owner. The Department and County encourage the property owner to continuously maintain an Operation and Maintenance contract during the lifetime of the system.
- D. Owner acknowledges and agrees that the manufacturer appointed Operation and Maintenance provider will have access to the BAT system at all times.
- E. Owner acknowledges and agrees that the manufacturer or manufacturers designee will have access to sample the effluent of the BAT system. Owner acknowledges and agrees that the proposed installation of a BAT system funded by the BRF is voluntary. Owner agrees that there shall be no liability on the part of the County or Department to Owner if this BAT system fails, and that the County and the Department do not warrant or guarantee that the BAT system will adequately or properly function.
- F. 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.
- G. The Owner will devote such care and effort to the maintenance of the BAT system so that any malfunction is not the result of poor maintenance, faulty operation, or neglect.
- H. The Department agrees to grant \$ 14,563.00 toward the cost of installation of the BAT System, and financial responsibility is limited to this amount. Owner will present to the Department at least 3 proposals from manufacturer and County certified system installers demonstrating the total cost of installation. Operating costs will be at the Owner's expense.

- I. The Owner acknowledges that the BRF grant can only be used for that portion of the OSDS attributable to (BAT) for the removal of nitrogen.
- J. Owner acknowledges in the event the total project cost is greater than \$25,000 the proposal will have to be approved by the Maryland State Board of Public Works.
- K. The Owner agrees to contact both the Water Management Administration, On-Site Systems Division of the Wastewater Permits Program and the County at least forty-eight (48) hours prior to system installation, so that the Department has the opportunity to be present at the time of installation or thereafter for inspection.
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- L. The Owner must install BAT system according to the manufacturer recommended plans and specifications approved by the Department.
- M. The Owner agrees and acknowledges that if installation deviates substantially from the approved plans or changes such that performance of the system is compromised or reduced, BRF funding will not be provided.
- N. This agreement shall run with the land and binds the Owner, his heirs, successors, assigns except that the provisions of paragraph A, C, D and E 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.
- O. 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 that is now or may hereafter be within its authority.
- P. 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.

- Q. 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.
- R. 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: 6/3/09

Suzanne M. Jewell  
 Owner Suzanne M. Jewell

DATE: 4/9/09

Jay Prager  
 Jay Prager, Deputy Program Manager  
 Wastewater Permits Program  
 Maryland Department of the Environment

DATE: 6/3/09

Best Niyon  
 Howard County Health Department

437  
 11P FT SURE 4 20.00  
 RECORDING FEE 20.00  
 TOTAL 40.00  
 Rest CHRG Rpt # 49854  
 HDR SLC : 11K # 960  
 Jun 05, 2009 09:21 am  
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