

LAYOUT 11/9/2012 INSP 4 _____
INSP 2 11/13/2012 INSP 5 _____
INSP 3 11/15/2012 INSP 6 _____

ISSUE DATE: 25
10/22/2012

P 538103

APPROVAL DATE:

12/13/2012 **PERMIT- HOOT H-600**

A _____

Tax ID # 14005345642

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

Garland Brian

IS PERMITTED TO

INSTALL ☒ ALTER ☐

ADDRESS: _____

PHONE NUMBER: _____

SUBDIVISION: _____

Mooresfield

LOT NUMBER: _____

7

ADDRESS: _____

11721 Wayneridge St.

PROPERTY OWNER: _____

Mark McWhorter

SEPTIC TANK CAPACITY (GALLONS): _____

2,000

Top Seamed Two Compartment Tank w/ Aerobic Pretreatment

NUMBER OF BEDROOMS: _____

4

APPLICATION RATE: 1.2

SQUARE FOOTAGE OF HOUSE: _____

>3,500

2' wide
Inlet 5'
Bottom 8'

LINEAR FEET OF TRENCH REQUIRED: _____

110' 135'

3x45' Trenches

TRENCHES:	Trenches to be <u>2</u> feet wide. Inlet <u>4</u> feet below original grade with <u>4</u> feet of stone below distribution pipe. Bottom maximum depth is <u>8</u> feet below grade. Effective area begins at <u>5</u> feet below original grade. Maintain at least <u>7</u> feet spacing between trenches.
LOCATION:	Set septic tank per plan. Set distribution box per plan. Install 3 x 40' trenches on contour at highest part of easement. A test of the sensors, pump, alarm and unit itself is required. Install Hoot unit per manufacturer's specifications.
NOTES:	Do not order the septic tank until after layout inspection and Sanitarian approval. Stake septic easement corners. Call for layout inspection. Mark utilities. Gravel tickets must be available for Environmental Sanitarians. Stone must be approved by the Howard County Health Department. A written variance request is required for tanks deeper than 3 feet. A traffic bearing lid is required for tanks deeper than 4 feet.

PLANS APPROVED: _____

HS

DATE: 8/13/2009

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

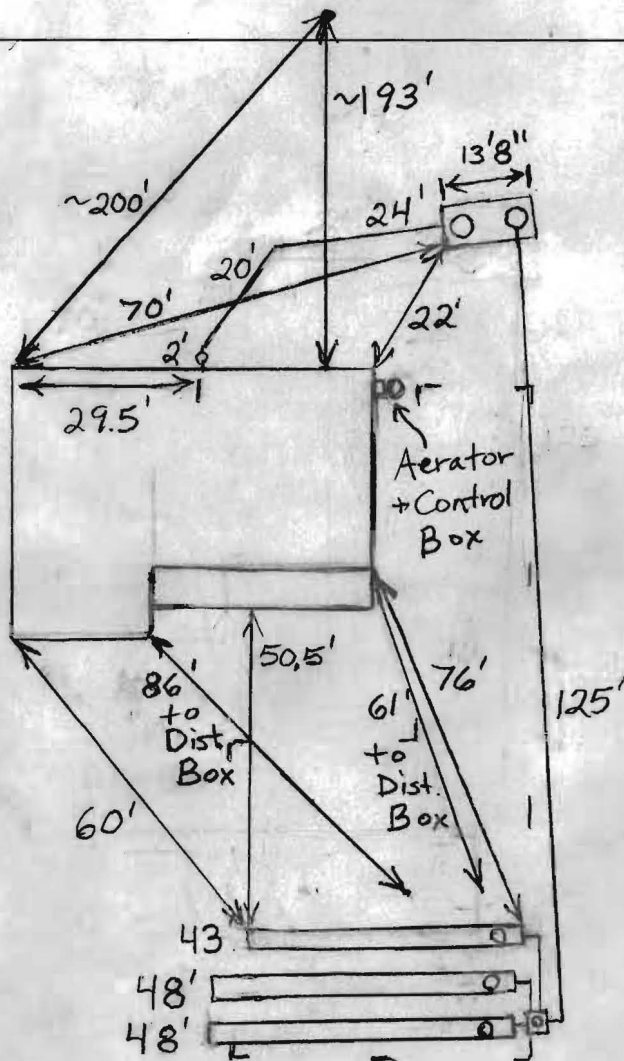
NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS

NOTE: AN ELECTRICAL PERMIT IS REQUIRED FOR INSTALLATION OF ANY ELECTRICAL COMPONENTS OF THE SYSTEM

**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 410-312-1551 FOR INSPECTION OF SEPTIC SYSTEM

HO-95-1781



(30)

TRENCH/DRAINFIELD DATA

(If Installed/Needed)

WIDTH	INLET	BOTTOM
2'	5'	8'
NUMBER OF TRENCHES 3		
TOTAL LENGTH 139'		
ABSORPTION AREA 417		
DIST. BOX LEVEL Yes		
DIST. BOX BAFFLE Yes		
DIST. BOX PORT Yes		

HOOT 600 GPD BNR SYSTEM

BAY RESTORATION FUND

MANUFACTURER Mayer Bros/Hoot

CAPACITY 1350 GAL

SEAM LOCATION Top

TANK LID DEPTH 0.5-1.5'

FRONT BAFFLES Yes

MANHOLE LOC Middle

6" PORT LOC None

WATERTIGHT TEST No

AERATOR FUNCTIONING Yes

ALARM FUNCTIONING Yes

DATE ON LID Dry

Pump Chamber-750

Manhole Riser

11/9/2012 Layout done. Install three 45' trenches on contour across top of easement. (BB)

11/13/2012 Tank set. House connection made. (BB)

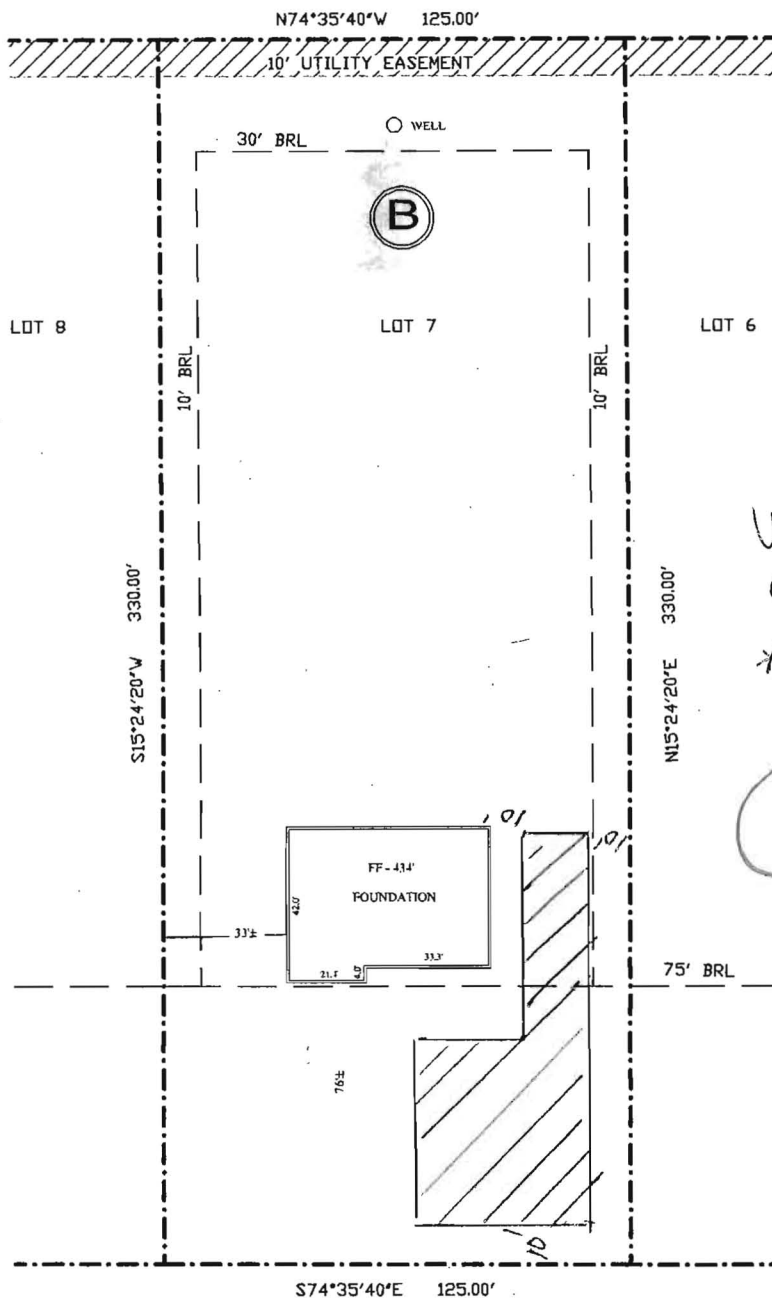
11/15/2012 System finished except for pump and alarm test and Mayer Bros.

certification. Trench observation ports installed in front of trench.

12/13/2012 Aerator, pump and alarm working. Received installation certification from Mayer Brothers. (BB)

FINAL INSPECTOR B. Baker

DATE OF APPROVAL 12/13/2012



Wan check ~~Not~~
OK 10/25/12 Hg
* house footprint
changed - OK

Not to
scale



WAYNERIDGE STREET

60°

LOCATION DRAWING FOR: 11721 WAYNERIDGE STREET

1. This plat is of benefit to the consumer only insofar as it is required by a lender or a title insurance company or its agent in connection with contemplated transfer, financing, or refinancing.
2. This plat is not to be relied upon for the establishment or location of fences, garages, buildings, or other existing or future improvements.
3. This plat does not provide for the accurate identification of property boundary lines, but such identification may not be required for transfer of title, securing financing, or refinancing.
4. A property line survey is necessary to determine the exact location of improvements and encroachments, if any.
5. Distances to property lines are accurate to within 1-foot, unless otherwise shown.
6. All fences shown hereon are approximately located.
7. No title report furnished.

CERTIFICATION:

CERTIFICATION
This is to certify that the improvements indicated hereon are located as shown.

Gerald A. Placek

L.S. NO. 21259

LIBER FOLIO

LOT 7 BLOCK B

SECT. _____ PLAT 2

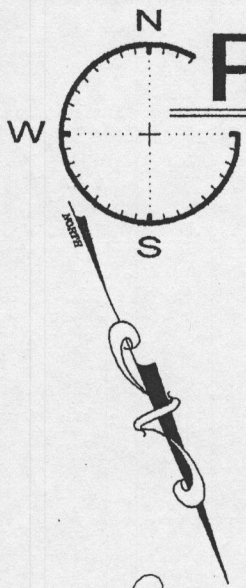
SUBD. MOORESFIELD

PLAT BOOK 9 FOLIO 49

COUNTY HOWARD CO.

SCALE 1"=50' CASE NO. MCWORTER.

DATE 10-22-12 JOB NO. MSC12-013



Placek & Associates, Inc.

Engineers & Surveyors

10319 CITATION WAY
LAUREL, MD. 20723
FAX 410-880-4752
301-362-1031

PARK, UTILITY AND DRAINAGE RESERVATION

N74°35'40"W 125.00'

10' UTILITY EASEMENT

ALTERNATE WELL LOCATIONS

PROPOSED PRIMARY WELL
30' BRL

ALTERNATE WELL LOCATIONS

MINIMUM TREE CLEARING AS REQUIRED
FOR WATER HOUSE CONNECTION

Approved Septic System Plan
Howard County Health Department

Signature

8/13/09
Date

LOT 7

(B)

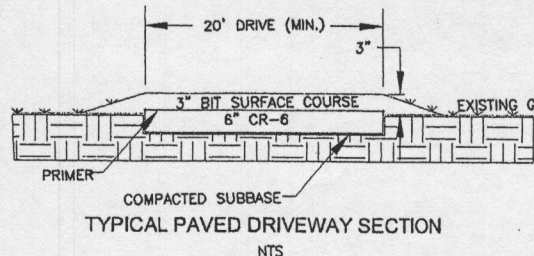
LOT 8

LOT 6

TEMPORARY STOCKPILE AREA
MAX HEIGHT = 8'
MAX SLOPE = 2:1

EXISTING HOUSE

EXISTING HOUSE



APPROXIMATE SEWAGE
RESERVE AREA

DISTRIBUTION SEPTIC TANK

20' BIT DRIVE

20' BIT DRIVE

20' BIT DRIVE

20' BIT DRIVE

20' BIT DRIVE

20' BIT DRIVE

20' BIT DRIVE

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20' BIT DRIVE

20' BIT DRIVE

20' BIT DRIVE

WAYNERIDGE STREET 60' R/W
(28' PAVED BITUMINOUS ROAD)

CONSULTANT'S CERTIFICATION

"THE DEVELOPER'S PLAN TO CONTROL SILT AND EROSION IS ADEQUATE TO CONTAIN THE SILT AND EROSION ON THE PROPERTY COVERED BY THE PLAN. I CERTIFY THAT THIS PLAN OF EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THIS SITE, AND WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF BALTIMORE COUNTY SUBMITTAL GUIDELINES AND THE CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SEDIMENT AND EROSION CONTROL. I HAVE REVIEWED THIS EROSION AND SEDIMENT CONTROL PLAN WITH THE OWNER/DEVELOPER."

Professional Certification: I hereby certify that these documents were prepared or approved by me and that I am a duly license engineer under the laws of the state of Maryland, License #20463, Expiration Date 5-25-2010.

NAME GERALD A. PLACEK MD P.E. LICENSE # 20463 DATE 1/27/09

SIGNATURE

Gerald A. Placek

RESIDENTIAL BUILDING PERMIT

for
Mr. Mark McWhorten Residence
(2-Story Frame, 4BR, Single Family Home)
11721 Wayneridge Street, Howard County, Md.
5th Election District
Lot 7, Block "B", Plat 2, Platbook 9 Folio 49
of the
Mooresfield Subdivision

Scale: 1" = 40'

Date: Jan 27, 2009

GENERAL NOTES:

1. ZONING: R2
2. SETBACK REQUIRED: FRONT: 75'
SIDE: 10'/20' COMBINED
REAR: 30'
3. SEWER: PRIVATE SEPTIC
4. WATER: PRIVATE WELL
5. PREDOMINATE SOIL TYPE: Manor Loam: M1; Cornus Silt Loam: C5
6. F.E.M.A. RATE MAP 240008006C
ZONE: C
7. ALL PERMANENT BUILDING STRUCTURES DO NOT LIE WITH-IN THE 100-YR FLOOD PLAIN
8. TWO-FOOT INCREMENTAL TOPOGRAPHY SHOWN ON THIS PLAT IS BASED ON HOWARD COUNTY TOPO, MAP GRID # 155.
9. EARTH MOVING: ANY STOCKPILE NECESSARY SHALL REMAIN WITHIN THE LIMITS PROTECTED BY SEDIMENT CONTROL MEASURES. ANY EXCESS SPOIL OR BORROW MATERIAL SHALL BE TAKEN OR OBTAINED FROM A HOWARD COUNTY APPROVED SITE.
10. THE SEPTIC SYSTEM AND RESERVE AREA IS SHOWN IN THE APPROXIMATE LOCATION AND IS BASED ON AN APPROVED HOWARD COUNTY WATER AND SEPTIC PLAN APPROVED MARCH 2009.
11. ALL EXISTING AND NEW WELLS ON THE SUBJECT PROPERTY AND THOSE WITHIN 100-FOET OF THE ARE SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF.
12. THE PROPOSED GRADES AND FINISHED FLOOR ELEVATION WERE DEVELOPED FROM THE COUNTY TOPO AND ITS ACCURACY IS LIMITED TO $\pm 2'$.



MAYER BROS., INC.

Precast Concrete Products

6264 Race Rd. Elkridge, MD 21075

Letter of Satisfaction Hoot System Installation

Address of Property: 11721 Wayneridge Rd.
Fulton, MD

Date of Final Inspection: 12-13-12

Installer: Garland Brian

Hoot Technician/Inspector: Ed McMullen

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,

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, PermaEntry Basement Entries,
Scapewell 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@connect.net

Proposal For Bay Restoration Fund Septic Upgrade

Submitted To: Cathy & Mark McWhorter		Installer: Garland Brian Sr. LLC	Date: 7/28/09
Street: 11721 Wayneridge St.		Street: 12871 Highland Rd.	County: Howard
City, State, & Zip Code: Fulton, MD 20759		City, State, & Zip Code: Highland, MD 20777	Permit No.:
Site Address: Same		Contact: Garland Brian	MDE Contact: John Boris
Phone: 301-674-5894	Cell:	Phone: 301-854-2101	Fax: 301-854-3603
Email:		Email: gconno@aol.com	MDE phone:
			MDE email:

We hereby submit specifications and estimate for the following:

MDE Pre-Bid Central Region

Installation of Hoot 600 BNR Unit, 5 year warranty, Operations & Maintenance \$13,100.00

HOMEOWNER RESPONSIBLE FOR:

Completing MDE Conditions of Financial Assistance Form; Completing Easement Form, and filing with County;
Filing all completed paperwork for reimbursement; Final transfer of payment to Mayer Bros., Inc.

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.

MAYER BROS., INC. RESPONSIBLE FOR:

Supplying Hoot 600 BNR, Setting in excavation, Start up inspection and approval
Homeowner review of 5 year Warranty, Registration and Service Policy (5 yr Operations and Maintenance)
Final payment to installation Contractor

Tax Included in above (\$363.00)

TOTAL \$13,100.00

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

TOTAL PRICE: \$13,100.00

Delivered with MBI Truck Crane to Set

Payment To Be Made As Follows: Reimbursement from MDE, Homeowner to transfer immediately to MBI

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.

Authorized
Signature: _____
Nancy J. Mayer - Mayer Bros., Inc.

We warrant all work to meet standards of and 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.

Acceptance
of
Proposal

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.

No work will begin until receipt of signed proposal and MDE Approval ***

Accepted:

Homeowner

Installer

Date

Garland L Brian SR

7/29/09

MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Boulevard • Baltimore MD 21230
(410) 537-3000 • 1-800-633-6101 • <http://www.mde.state.md.us>

BAY RESTORATION (SEPTIC) FUND CONDITIONS OF FINANCIAL ASSISTANCE AWARD

Full Project Address:

1721 Wayneridge St
FULTON, MD 20759

Applicant

MARK S. NEWHOLTER

Upon the receipt of financial assistance from the Maryland Department of the Environment (the "Department"), the following conditions are understood and accepted by the applicant as conditions binding upon the recipient organization.

1. The recipient agrees to utilize the State funds for the project described in the Application for Financial Assistance and as approved by the State Board of Public Works.
2. The recipient agrees to adhere to the schedule submitted in its Request For Proposal (RFP) and take all appropriate actions to ensure that this schedule is maintained. In the event that the project is delayed for reasons beyond the control of the recipient, this schedule may be revised with the approval of the Department.
3. The recipient agrees to submit to the Department for review all service contracts prior to execution if state financial assistance is to cover the costs.
4. The recipient agrees that it will only award a contract upon proof of professional liability insurance in an amount reasonable and customary for the services being performed.
5. For contracts greater than \$100,000, the recipient agrees to procure contractors using formal bidding procedures by advertising the request for bids in publications having appropriate widespread circulation. For contracts less than \$100,000, the recipient has the option to use the small purchase procurement procedures or the formal bidding procedures. For additional information, please contact the Department.
6. The recipient agrees not to procure contracts prior to obtaining written approval of the Best Available Technology (BAT) from the Department.
7. The recipient agrees to select the BAT construction contractor in accordance with applicable Local, State, and Federal laws and not award a contract until:
 - a. the recipient can certify that adequate inspection and supervision will be provided at the construction site to ensure project construction conforms with the approved BAT plans and specifications; and
 - b. a written approval to award the BAT construction contract has been received from the Department.
8. Prior to construction start, the recipient agrees to secure all necessary permits, rights-of-way and easements, and undertake any reasonable action resulting from the environmental, design, permitting or state clearinghouse reviews.
9. The recipient agrees to follow best construction management and inspection practices to construct the project in accordance with BAT plans and specifications approved by the Department.
10. The recipient agrees to obtain prior written approval from the Department for all changes that significantly alter the approved RFP.
11. The recipient agrees to permit and assist State employees to monitor the project construction during normal working hours.
12. The recipient agrees to provide any reasonable information concerning the project in a manner and form prescribed by the Department.
13. The recipient agrees to seek all grant payments (monthly), on a reimbursement basis only, consistent with the RFP budget, unless otherwise authorized by the Department.
14. The recipient agrees to maintain adequate accounting records for a period of three years following the Department's administrative closeout of the project and make them available to the Department for inspection and audit when requested. The recipient's accounting records will at a minimum provide the following:
 - a. provision that the recipient must provide a detailed budget (breakdown of category and cost) including any advances on costs to be incurred;
 - b. A provision requiring the recipient to provide a schedule of spending (related to the budget detail);
 - c. A provision requiring a deliverable schedule from the recipient (linked to the spending schedule);
 - d. A provision requiring a periodic financial summary (defining expended funds in association with the budgeted categories and schedule of spending);
 - e. A provision requiring the contractor to maintain all records relating to the grant until the grant has been audited or three years from the completion of the project, whichever is earlier; and
 - f. A provision indicating that MDE may audit any records in conjunction with a project at any time, in person, or request that a copy of the records be forwarded to MDE for verification.
15. The recipient agrees to comply with Title VI of the Civil Rights Act of 1964 - no person in the United States shall, on the ground of race, color, sex, religion or national origin, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under program or activity for which the applicant received State financial assistance.
16. For financial assistance under the Bay Restoration Fund Act and ENR Strategy, the recipient shall be required to comply with Subtitle 16 of Title 9 of the Environment Article of the Annotated Code of Maryland as applicable, any regulations promulgated thereunder.
17. The recipient agrees to submit a final claim for reimbursement of costs within sixty days of the RFP grant expiration.
18. The recipient agrees that the Department may deny any request for funds if the recipient fails to comply with any of the above conditions of financial assistance award.

19. The recipient agrees that the State Board of Public Works may terminate financial assistance upon the recommendation of the Department if the Department determines in its discretion that there is:

- a. failure to perform without good cause; or
- b. gross abuse or corrupt practices in the administration of the project; or
- c. poor, non-standard, or unsafe construction procedures; or
- d. failure to comply with any of the conditions of financial assistance award or applicable State laws, regulations, or Departmental policies; or
- e. failure to adhere with the approved schedule.

20. The recipient agrees to repay the State (with interest, based on current bond rate and assessed from the date the said funds were received), on demand, any funds received that were misapplied (i.e., not expended in accordance with the terms of these conditions of financial assistance award or applicable State laws, regulations and Departmental policies). In the event that the recipient fails to refund upon demand any misapplied funds, the State shall have the right to offset or withhold any funds in the possession of any State agency (that may be due to the recipient) in an amount equal to the misapplied funds plus interest.

21. The recipient agrees to return, within 30 days of a written request by the Department, any excess funds received. In the event that the recipient fails to refund upon demand any excess funds released by the State, the State shall have the right to offset or withhold any funds in the possession of any State agency (that may be due to the recipient) in an amount equal to the overpayment.

22. The recipient is encouraged to make good-faith efforts to utilize Minority and Women's Business Enterprises (M/WBE) to participate in contracts.

I certify that the information provided with the financial assistance application is true to the best of my knowledge and agree to comply with the above Conditions of Financial Assistance Award.

Signature of Recipient's Authorized Representative

Mary C. McKinley
(Name and Title)

Attested by:

Date

July 28, 2009
Date

19. The recipient agrees that the State Board of Public Works may terminate financial assistance upon the recommendation of the Department if the Department determines in its discretion that there is:

- a. failure to perform without good cause; or
- b. gross abuse or corrupt practices in the administration of the project; or
- c. poor, non-standard, or unsafe construction procedures; or
- d. failure to comply with any of the conditions of financial assistance award or applicable State laws, regulations, or Departmental policies; or
- e. failure to adhere with the approved schedule.

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22. The recipient is encouraged to make good-faith efforts to utilize Minority and Women's Business Enterprises (M/WBE) to participate in contracts.

I certify that the information provided with the financial assistance application is true to the best of my knowledge and agree to comply with the above Conditions of Financial Assistance Award.

Signature of Recipient's Authorized Representative

Attested by:

(Name and Title)

Date

Date

March 2, 2009

Mr. Mike Davis
Bureau of Environmental Health

Mr. Davis:

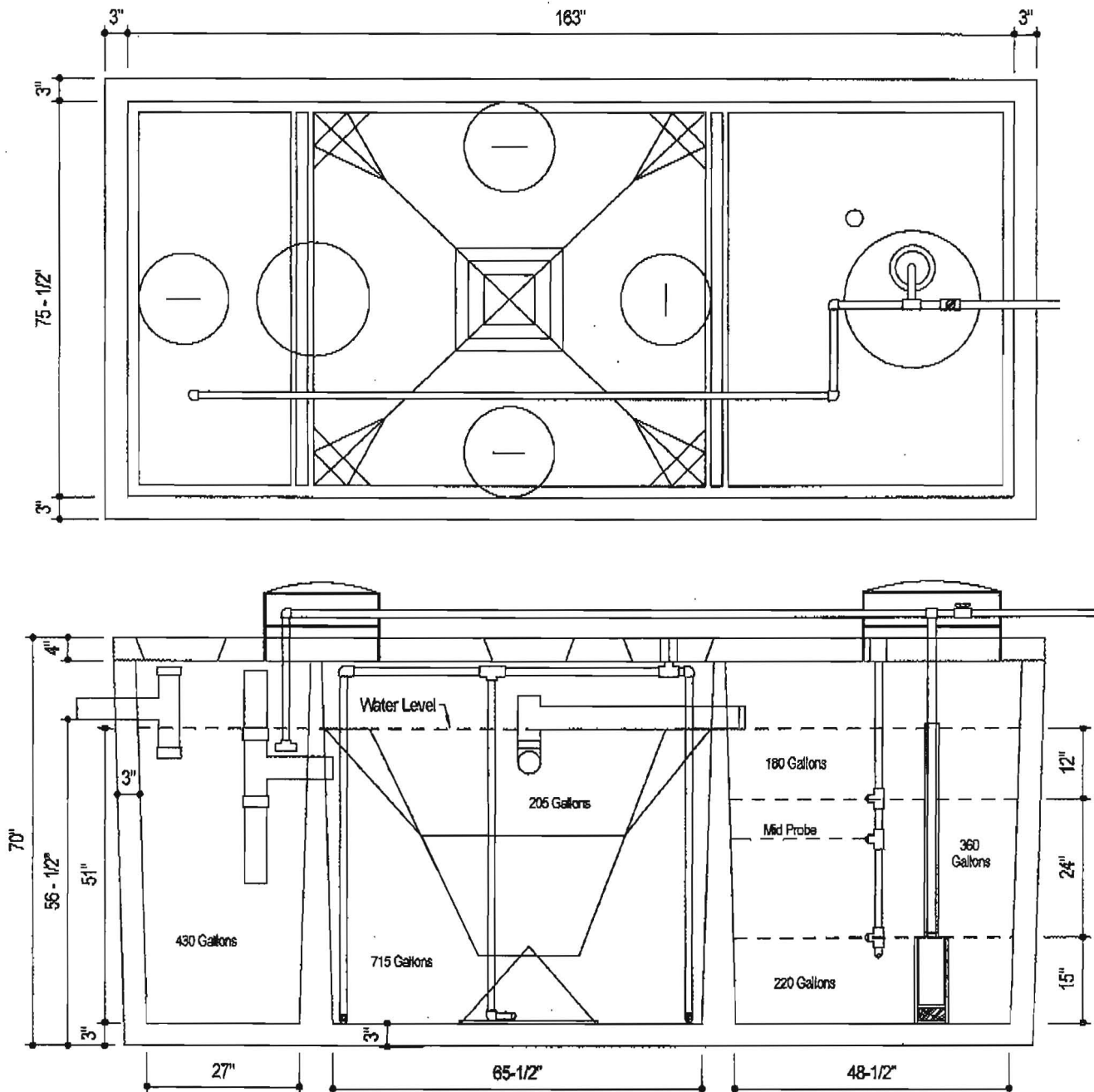
Due to the proposed well location for Wayneridge Subdivision, Lot 7, we are requesting a variance to locate the septic easement upgrade in accordance with COMAR 26.04.02.05C.

We realize pre-treatment for the proposed septic system may be required. This is noted on the submitted perc certification dated February 2009.

Sincerely,

A handwritten signature in cursive script, appearing to read "Mark S. McWhorter", written in dark ink.

Mark S. McWhorter
(301) 674-5894

**DESIGN DATA & GENERAL NOTES**

- [1] Concrete strength $f'_c=4,000$ p.s.i. @ 28 days. Density = 150 pcf.
- [2] Cement - Portland Type I/II per ASTM C 150-92.
- [3] Admixtures & plasticizers per ASTM C 260-86 & C 494-02.
- [4] Reinforcing per ASTM A185. Min. 1-1/2" cover.
- [5] 4" wall, 4" base, & 5" top thickness.
- [6] NSF APPROVED SEALANTS FOR POTABLE WATER

Mayer Brothers, Inc.

6264 Race Road
 Elkridge, Maryland 21075
 Tel. 410.796.1434
 Fax. 410.796.1438
www.mayerbrosprecast.com



**600 GPD BNR SYSTEM
 H-600 BNR**

750 GALLON PUMP CHAMBER

Dwg. No. Hoot Form #2

No Scale

March 20, 2009