

Bureau of Environmental Health  
 7178 Gateway Drive Columbia, MD 21046  
 (410) 313-2640 Fax (410) 313-2648  
 TDD (410) 313-2323 Toll Free 1-866-313-6300  
 website: www.hchealth.org

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

RECEIPT DATE: 4-25-14 **ONSITE SEWAGE DISPOSAL SYSTEM** P 546330

INSTALLATION APPROVAL DATE: \_\_\_\_\_ **PERMIT**  
**CONSTRUCTION** A \_\_\_\_\_

PROPERTY ADDRESS: 2911 Winterhazel Court

SUBDIVISION: Belle Haven Estates LOT: 33 TAX ID: 04-373979

CONTRACTOR: ~~MCKin Construction~~ Ben Lewis Plumbing EMAIL: \_\_\_\_\_

CONTRACTOR ADDRESS: 38979 Housholder Road, Lovettsville, VA 20180 PHONE: 540-338-3583

PROPERTY OWNER: K Hovnanian Homes EMAIL: \_\_\_\_\_

OWNER ADDRESS: 1802 Brightseat Road, Landover, MD 20785 PHONE: 301-683-6268

BAT UNIT MODEL: HOOT ABNR 600 BAT UNIT SIZE: 600 GPD

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

NUMBER OF BEDROOMS: 4 HOUSE SQ. FT. 2072 APPLICATION RATE: 1.2

DISTRIBUTION SYSTEM: GRAVITY FED  LOW PRESSURE DOSED

TRENCHES:	LINEAR FEET REQUIRED: <u>104'</u>	INLET DEPTH: <u>3</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>5</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>9</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>3</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND BAT UNIT LOCATION MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:	Set BAT unit per plan.	

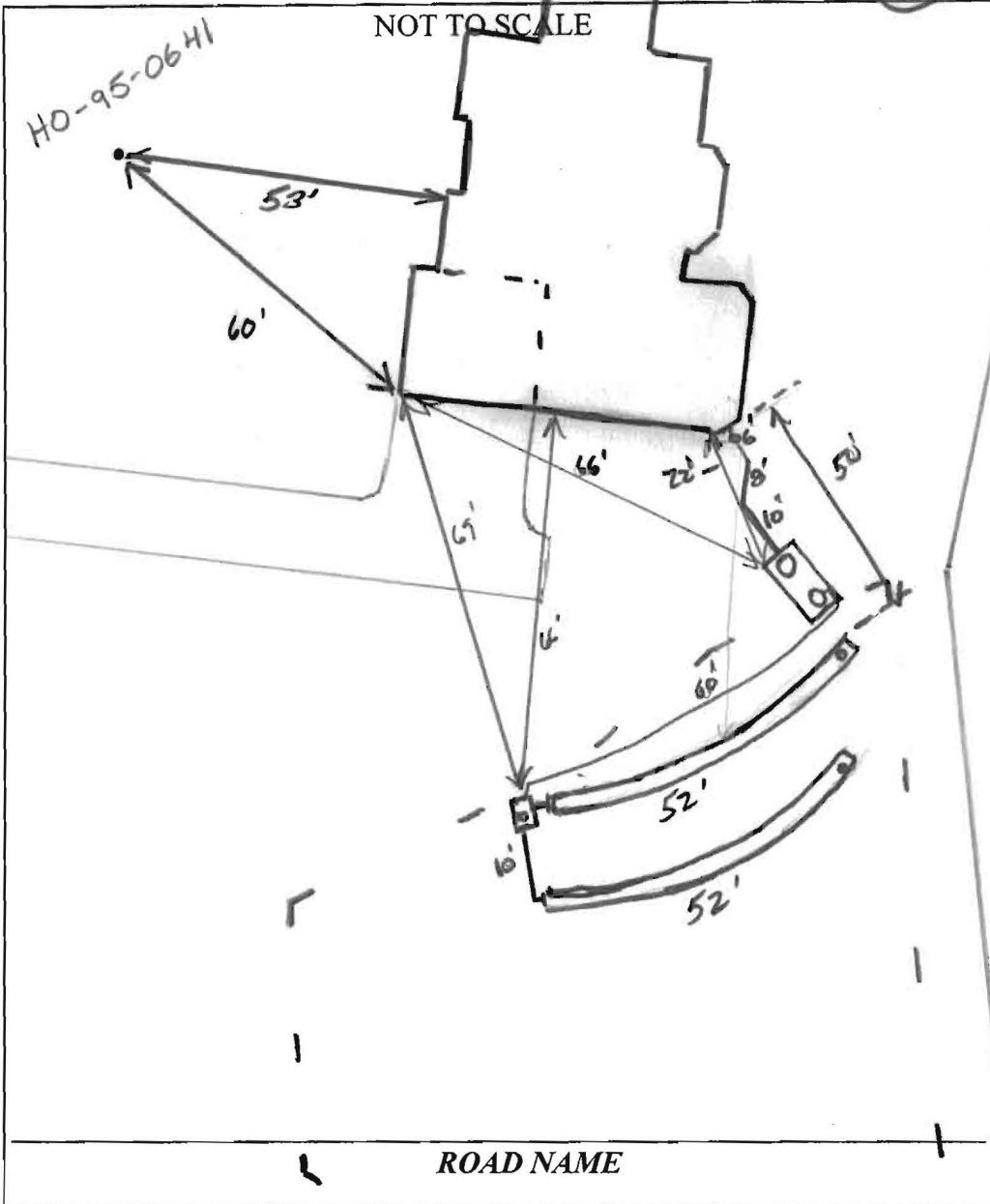
ISSUED BY: Dana Bernard ISSUE DATE: 5-28-14 EXPIRATION DATE: 5-28-15

- 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

**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.**



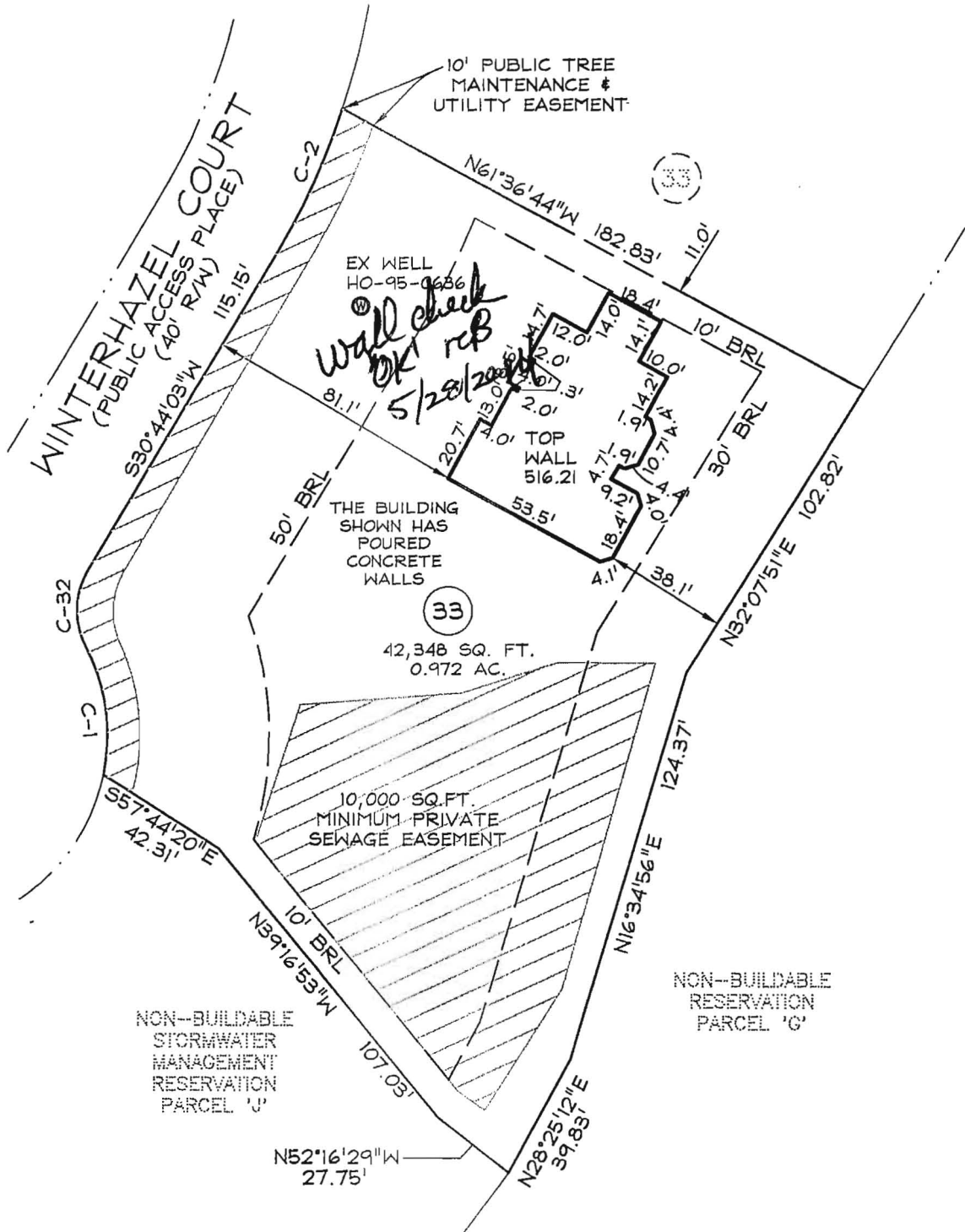
TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3	3	5
NUMBER OF TRENCHES		2
TOTAL LENGTH		104'
ABSORPTION AREA		312'± SW
DISTRIBUTION BOX LEVEL		Yes
DISTRIBUTION BOX BAFFLE		Yes
DISTRIBUTION BOX PORT		Yes

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	Yes
MANUFACTURER	Major Bros
CAPACITY	4600 GAL
SEAM LOC	Top
TANK LID DEPTH	2
BAFFLES	Yes
BAFFLE FILTER	—
MANHOLE LOC	Front/Rear
6" PORT LOC	none
WATERTIGHT TEST	—
SLOTTED	Yes
DATE ON LID	n/a
PUMP/SEPTIC TANK LEVEL	n/a
MANUFACTURER	_____
CAPACITY	_____ GAL
SEAM LOC	_____
TANK LID DEPTH	_____
BAFFLES	_____
BAFFLE FILTER	_____
MANHOLE LOC	_____
6" PORT LOC	_____
WATERTIGHT TEST	_____
SLOTTED	_____
DATE ON LID	_____

PRE-CONSTRUCTION:  
 7/22/14 SRA not staked. New contractor. Talked about current reg's and Ho Co reg's requirements for septic installation. Must have certified BAT installer from company (Mike Bowersox) present during entire install at BAT unit. Call for layout inspection once stakeout is confirmed (KW) 7/23/14 septic area staked. Elevation is shot in field. Install 2 x 52' trenches on contour per plan. Set Dbox @ middle of SRA. Open trench inspection required. (KW) 7/28/14 BAT unit being installed. Mike Bowersox present w/ Hoist rep. Trenches dug. Need to take trench bottoms. For Future, explain to contractor not to work OK pump trench bottoms. OK to start trenches. Call when finished (KW) 7/29/14 Trenches staked. Filter cloth added. F.M. connected. OK to cover. Need BAT start-up and pump test prior to final (KW)

CURVE TABLE						
CURVE	RADIUS	LENGTH	DELTA	TAN	CHD. BRG.	CHD. DIST.
C-32	25.00'	25.32'	58°02'03"	13.87'	N01°43'01"E	24.25'
C-1	60.00'	40.62'	38°47'34"	21.13'	N07°54'13"E	39.85'
C-2	220.00'	47.49'	12°22'09"	23.84'	N24°32'58"E	47.40'

MARYLAND COORDINATE SYSTEM NAD 83 (1991)



**SURVEYOR'S CERTIFICATE**

I HEREBY CERTIFY THAT I EITHER PERSONALLY PREPARED OR WAS IN RESPONSIBLE CHARGE OVER THE PREPARATION OF THIS DRAWING AND THE SURVEYING WORK REFLECTED IN IT, AND THAT IT IS IN COMPLIANCE WITH REQUIREMENTS SET FORTH IN REGULATION .12 OF CHAPTER 06, MINIMUM STANDARDS OF PRACTICE. I AM A DULY LICENSED PROPERTY LINE SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 239, EXPIRATION DATE 7/6/14.

*Robert B. Southard*



Planners  
Surveyors  
Engineers  
Landscape Architects

192 East Main Street  
Westminster, MD 21157  
410.386.0560  
410.386.0564 (Fax)  
DDC@DDCinc.us  
www.DDCinc.us

WALL CHECK SURVEY  
2911 WINTERHAZEL COURT  
LOT 33  
BELLE HAVEN ESTATES  
PLAT No. 19952  
ELECTION DIST. No.4 HOWARD COUNTY, MD

DDC JOB#: 06116.5  
DATE: 04-22-2014  
SCALE: 1"=50'  
DRN. BY: BKC  
CHK. BY: RBS

## Geisert, Andrew

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**From:** Geisert, Andrew  
**Sent:** Friday, May 02, 2014 12:53 PM  
**To:** 'ddc@DDCinc.us'  
**Subject:** Belle Haven Estates Lot 33 BAT Plan review

To Whom it may concern,

While Jeff Williams was out I took the time to review the BAT Plan for lot 33, the following are corrections to be made:

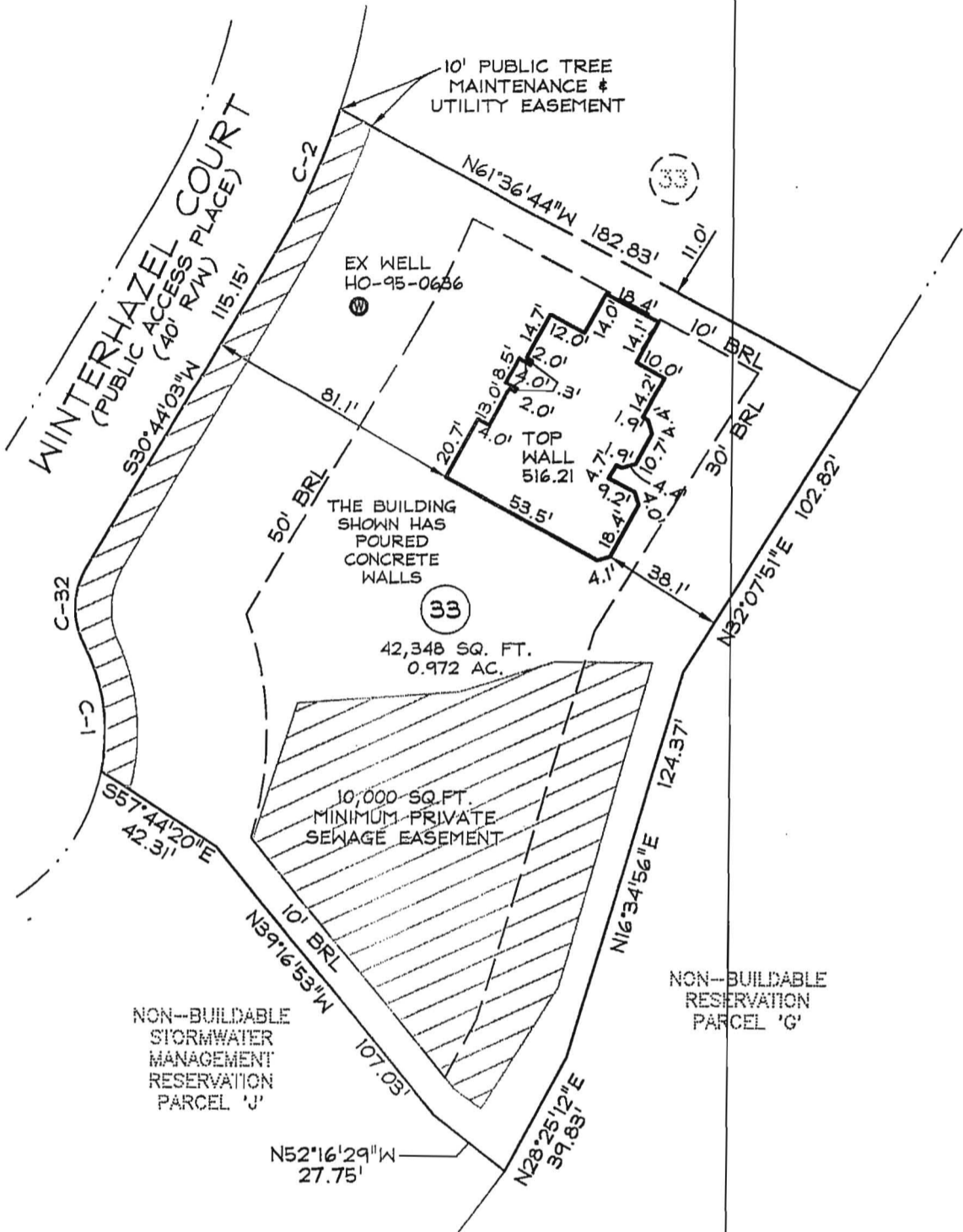
- Need a Pump curve for the BAT pump
- Need trench specs (i.e.) – inlet elevation, effective depth elevation, bottom depth elevation, surface elevation at both ends of trench
- BAT tank must be located outside of the sewage disposal area and maintain 20 foot setback from house.

Andrew Geisert  
Environmental Sanitarian Supervisor  
Howard County Health Department  
Bureau of Environmental Health  
Office: 410-313-6287  
Fax: 410-313-2648  
[ageisert@howardcountymd.gov](mailto:ageisert@howardcountymd.gov)

### **CONFIDENTIALITY NOTICE**

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*Robert B. Southard*



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WALL CHECK SURVEY  
2911 WINTERHAZEL COURT  
LOT 33  
BELLE HAVEN ESTATES  
PLAT No. 19952

DDC JOB#:	06116.5
DATE:	04-22-2014
SCALE:	1"=50'
DRN. BY:	BKC
CHK. BY:	RBS

ELECTION DIST. No.4      HOWARD COUNTY, MD



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TDD 410-313-2323 | Toll Free 1-866-313-6300
www.hchealth.org
Facebook: www.facebook.com/hocohealth
Twitter: HowardCoHealthDep

000064
RH33

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

OPERATION AND MAINTENANCE AGREEMENT
FOR AN ON-SITE SEWAGE DISPOSAL SYSTEM
HAVING AN ADVANCED PRE-TREATMENT SYSTEM

THIS AGREEMENT is made this 24th day of April 2014, among
K. HONNANIAN HOME OF MARYLAND 2 LLC, hereinafter collectively referred to as
"Owner", and the Howard County Health Department hereinafter referred to as the
"County".

WHEREAS, Owner is the owner or contract owner of a parcel of land located at
2911 WINTERHAZE CT - WOODBINE, MD 21797, in the 4th Election District of Howard
County, Maryland, and the deed to same is recorded or shall be recorded among the Land
Records of Howard County, Maryland in Liber 15508 Folio 136. /07 33

WHEREAS, The Lot is suitable for the installation of a conventional on-site sewage
disposal system with an advanced pre-treatment system, utilizing best available
technology to perform nitrogen reduction, in accordance with the Code of Maryland
Regulations 26.04.02.07, effective January 1, 2013.

NOW, THEREFORE, the parties hereto agree as follows:

- A. Owner hereby grants to the County the right to enter upon the Lot at any reasonable
time for access to the system to make periodic inspections and the Owner agrees to
provide any information and data in Owner's possession reasonably requested and
needed by the County to develop accurate and thorough test results.
B. Owner acknowledges and agrees that neither the County nor any of its agents or
employees, either officially or individually, underwrites the operation of any system
approved by them.
C. The Owner will devote reasonable care and effort to the operation and maintenance of
the system in perpetuity or until a public sewer connection is made so that a system
malfunction is not the result of poor maintenance, faulty operation, or neglect.
D. The Owner agrees to enter into a contract reasonably acceptable to the Owner and the
County with a private entity to operate and maintain on a regularly scheduled basis an
approved advanced pre-treatment system. The owner shall supply a copy of the contract
to the County when it is renewed or altered.
E. This agreement shall run with the land and upon Owner's taking title to the Lot shall
bind the Owner, their heirs, successors, and assigns to the provisions of the agreement as

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LIB 15558 FOL 136

long as the property is in existence and after installation of the system. Owner further agrees that they shall inform in writing any subsequent purchaser or lessee of the Lot that the system shall require maintenance or other attention. Upon taking title to the Lot, the Owner agrees to cause this agreement to be recorded in the Land Records of Howard County and assure that it becomes part of the Deed for the subject property in order that prospective buyers may be aware of the special conditions affecting this property.

F. This agreement shall not be construed to limit any authority of the County 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.

G. This agreement may be voided at any time at the discretion of the County.

H. This agreement contains the entire agreement and understanding between the County and the Owner. 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.

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

J. Owner acknowledges and agrees that interior renovations to increase the number of bedrooms or an increase in living space shall not be permitted without approval from the County.

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

*Steven Snygar Jr*  
Owner VP. KHONNANIAN Date 4/24/14  
HOMES OF MARYLAND, LLC STANIS. SNGR JR.

*Ben Nyeen* 4/25/14  
Howard County Health Department

Owner \_\_\_\_\_ Date \_\_\_\_\_

LR - Agreement  
Recording Fee 20.00  
Grantor/Grantee Name: K  
Honnanian Homes of MD, LLC  
Reference/Control #: 04  
LR - Agreement  
Surcharge 40.00  
SubTotal: 60.00  
Total: 100.00  
#2720503-5  
04/28/2014 11:38  
0013-04  
#2720503, CC0502 -  
Howard Co  
Columbia/CC05, 03, 02 -  
Booked on 03/20/14



Howard



**MAYER BROS., INC.**

*Precast Concrete Products*

6264 Race Rd. Elkridge, MD 21075

## Letter of Satisfaction Hoot System Installation

Address of Property: 2911 Winterhazel Ct.  
Woodbine, MD 21797

Date of Final Inspection: 8/11/14

Installer: Ben Lewis Plumbing

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,

H. Michael Sample  
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 Basopora, PannaEntry Basement Entries, Scapewel Window Wells, Custom Precast Products

May 09, 2014

Mr. Andrew Geisert  
Environmental Sanitarian Supervisor  
Howard County Health Department  
8930 Stanford Blvd.  
Columbia, MD 21045

Reference: Belle Haven Estates, Lot 33  
Winterhazel Court  
BAT Site Plan  
DDC Project No.: 06116.5

Mr. Geisert,

The following are responses to comments issued on May 2<sup>nd</sup>, 2014 (via email) for the above referenced project.

**Comment:** Need a Pump curve for the BAT pump

**Response:** Pump curve for the BAT pump has been added to the plans

**Comment:** Need Trench specs (i.e.0 – inlet elevation, effective depth elevation, bottom depth elevation, surface elevation at both ends of trench.

**Response:** Trench specifications have been added to the plan

**Comment:** BAT Tank must be located outside of the sewage disposal area and maintain 20 foot setback from house.

**Response:** Per our phone conversation, the BAT Tank was not relocated. Any lot from this point on will show the BAT Tank outside the SRA unless directed otherwise by the Sanitarian.

We believe these responses adequately address your comments. Should you have any questions please do not hesitate to contact this office.

Very truly yours,  
Development Design Consultants, Inc.

Joshua H. Kline, E.I.  
Engineer



Planners  
Surveyors  
Engineers  
Landscape Architects

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Westminster, MD 21157

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