

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: 9-3-14 **ONSITE SEWAGE DISPOSAL SYSTEM** P 554609

INSTALLATION APPROVAL DATE: 6-11-15 - Kmw **PERMIT** A _____
CONSTRUCTION

PROPERTY ADDRESS: 2959 Duvall Road

SUBDIVISION: River Farms LOT: 18 TAX ID: _____

CONTRACTOR: Cumberland Development Corp EMAIL: cumberlanddev@gmail.com

CONTRACTOR ADDRESS: _____ PHONE: 301-854-6838

PROPERTY OWNER: Curtis Cumberland EMAIL: _____

OWNER ADDRESS: 2959 Duvall Road, Woodbine, MD 21797 PHONE: 301-252-1123

BAT UNIT MODEL: ECOPOD E60N PUMP SIZE: _____ PUMP TANK CAPACITY: 600GPD

DISTRIBUTION SYSTEM: GRAVITY LOW PRESSURE DOSED NUMBER OF BEDROOMS: 4

TRENCHES:	LINEAR FEET REQUIRED: <u>125</u>	INLET DEPTH: <u>4</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>7.5</u>
	MINIMUM SPACE BETWEEN TRENCHES: _____	EFFECTIVE AREA BEGINNING DEPTH: <u>4.5</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:		

ISSUED BY: Robert Bricker ISSUE DATE: 10-16-14 EXPIRATION DATE: 9-3-15

- 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
- NOTE: AN INDIVIDUAL CERTIFIED BY MDE AND THE MANUFACTURER FOR BAT INSTALLATION MUST BE PRESENT AT ALL TIMES DURING BAT INSTALLATION.
- 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

TRENCH/DRAINFIELD DATA

WIDTH 3' INLET 4'-4.5' BOTTOM 7.5'

NUMBER OF TRENCHES 2

TOTAL LENGTH 127'

ABSORPTION AREA 38ft Sidewall

DISTRIBUTION BOX LEVEL

DISTRIBUTION BOX BAFFLE Yes

DISTRIBUTION BOX PORT Yes

See As-Built Drawing On Separate Sheet

SEPTIC TANK DATA

SEPTIC TANK I LEVEL Yes

MANUFACTURER Ecopod Babylon

CAPACITY 2000 GAL

SEAM LOC Top

TANK LID DEPTH 1'-2'

BAFFLES Need Front

BAFFLE FILTER No

MANHOLE LOC Front + Rear

6" PORT LOC Middle

WATERTIGHT TEST No

SLOTTED N/A

DATE ON LID Dry

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

ROAD NAME

PRE-CONSTRUCTION:

11/5/2014 Trenches laid out on contour near where shown on plan. Tank location staked by surveyor. (BB)

INSTALLATION: 11/17/2014 Front tank baffle missing. Need dist. box levelers. BAT unit needs to be approved by Ecopod representative. (BB) 6/11/2015 Checked BAT unit. Air hose not connected. Electrical outlet cover needs to be closed. Told them to call Babylon for inspection. Need BAT approval certification from Babylon. (BB)

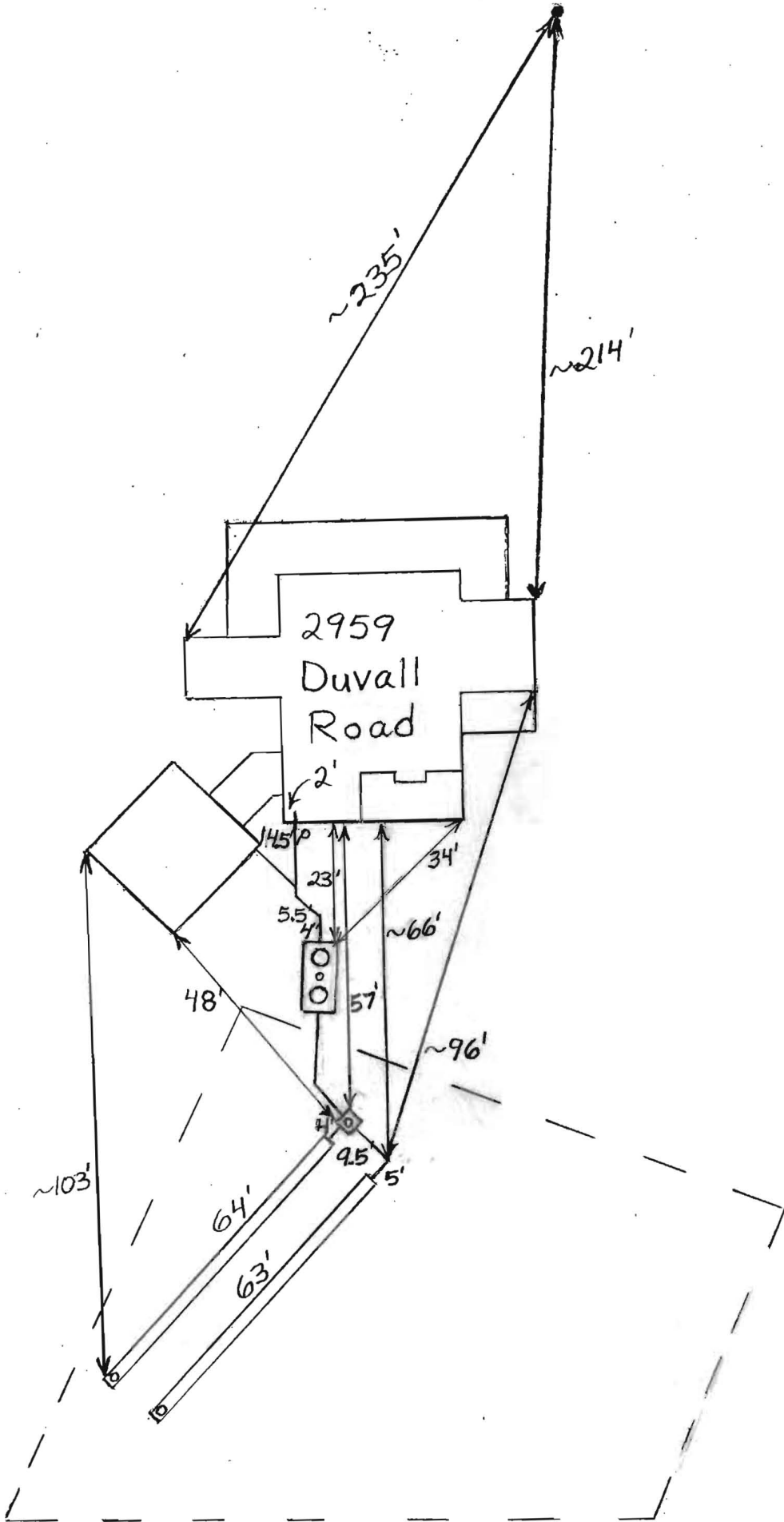
FINAL INSPECTOR

[Signature]

DATE OF APPROVAL

6/11/15

HO-95-1866





Howard County
Health Department

7178 Columbia Gateway Drive, Columbia MD 21046
Phone (410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
Website: www.hchealth.org

Peter L. Beilenson, M.D., M.P.H., Health Officer

January 25, 2010

RE: 2959 Duvall Road
River Farms

Dear Mr. Curtis Cumberland:

The Howard County Health Department has received your variance request for the above referenced property. Maryland Department of the Environment has accepted our recommendations to approve the variance request allowing the initial sewage disposal system and future repair area for Lot #18 to be located up gradient from the private water supply located next door at 2949 Duvall Road, Woodbine, MD. Due to the landscape and position of the area and well location the request was approved based on the following conditions:

- This variance was approved with the condition that the SDA on Lot #18 can only support up to four (4) bedrooms.

If you have any questions or correspondence, I can be reached at the above address or by telephone at (410) 313-2775.

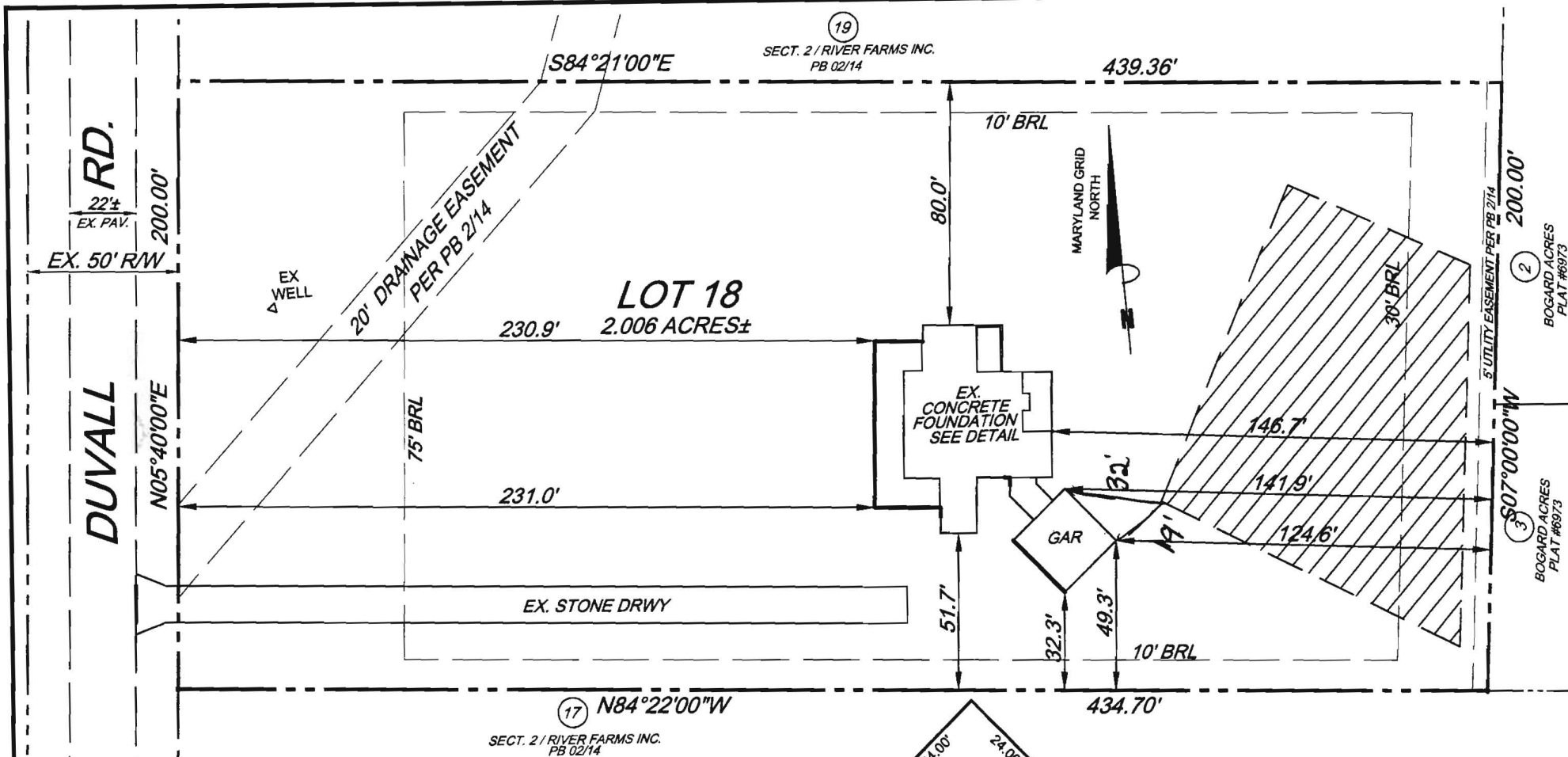
Dana L. Bernard

Dana L. Bernard, Environmental Sanitarian
Bureau of Environmental Health
Well and Septic Program

Steven R. Krieg, R.S.

Maryland Department of the Environment

THE LOT SHOWN HEREON IS IN FLOOD ZONE "C" PER. F.E.M.A. FLOOD INSURANCE RATE MAP 2400440013B



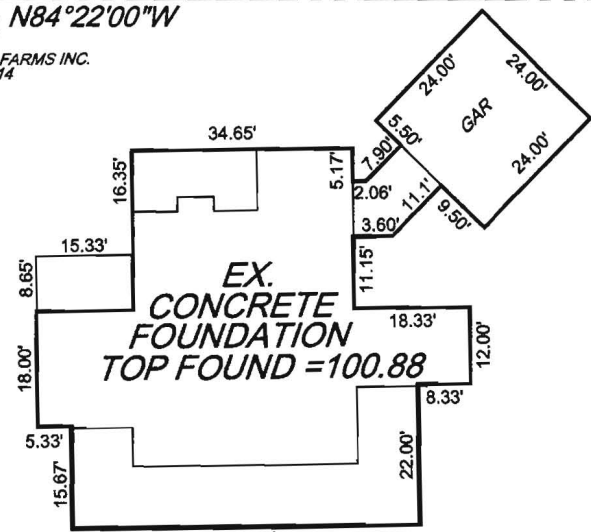
Wall check
OK
10/16/14 H.O.



THIS IS TO CERTIFY THAT WE HAVE LOCATED THE IMPROVEMENTS AS SHOWN ACCORDING TO THE REGULATIONS GOVERNING THE MARYLAND STANDARDS OF PRACTICE FOR PROFESSIONAL LAND SURVEYORS EFFECTIVE DATE AUGUST, 2005

Richard S. Krebs 10/15/14

MR. RICHARD S. KREBS MD. REG. NO. 10873 DATE: 10/15/2014
EXP. DATE 4/24/16



FOUNDATION DETAIL
SCALE: 1"=30'

NOTE: ACCURACY OF APPARENT SETBACK DISTANCES ARE 1 FT. +/-

NOTE: (A.) THIS PLAT IS NOT INTENDED FOR USE IN ESTABLISHING PROPERTY LINES AND DOES NOT CONSTITUTE A BOUNDARY SURVEY.

(B.) THIS PLAT IS OF THE BENEFIT TO THE CONSUMER ONLY INsofar AS IT IS REQUIRED BY A LENDER OR TITLE INSURANCE COMPANY OR ITS AGENT IN CONNECTION WITH CONTEMPLATED TRANSFER, FINANCING OR REFINANCING.

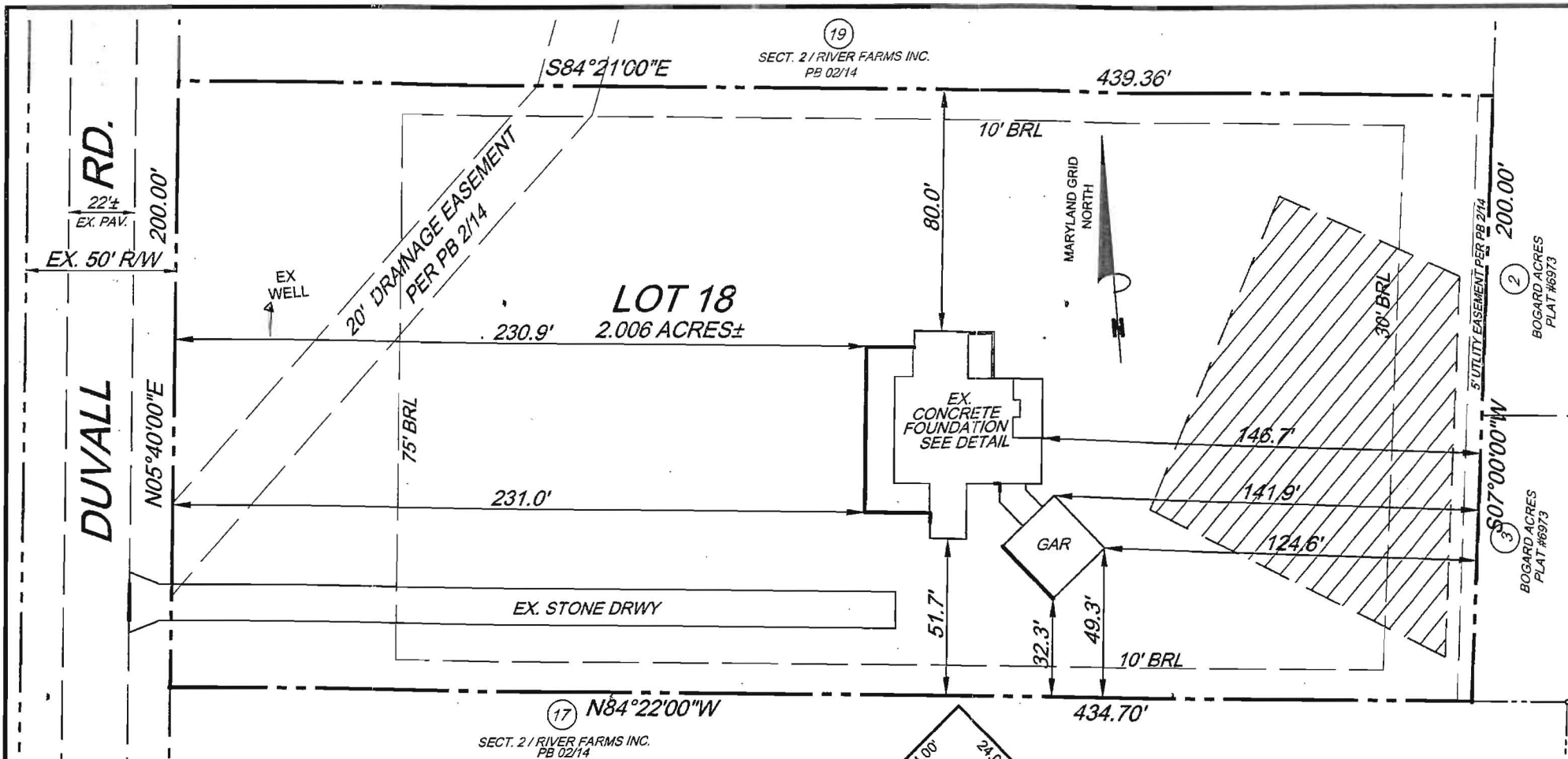
(C.) THIS PLAT SHOULD NOT BE RELIED UPON FOR THE LOCATION OR ESTABLISHMENT OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE IMPROVEMENTS

FOUNDATION CERTIFICATION
LOT 18
RIVER FARMS SUBDIVISION
DEED REF. LIBER 13132 / FOLIO 015
2959 DUVALL ROAD
ZONED - "RC-DEO"
TAX MAP 13 GRID 18 PARCEL 96
4TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

DATE: 10/15/14 SCALE: 1" = 50'

CHARLES R. CROCKEN & ASSOCIATES, INC.
Civil Engineering Land Planning
902 Lee Ave.
Sykesville, Md. 21157
Tel. (410) 549-2708

THE LOT SHOWN HEREON IS IN FLOOD ZONE "C" PER. F.E.M.A. FLOOD INSURANCE RATE MAP 2400440013B



Wall check
OK
10/16/14 H.O.

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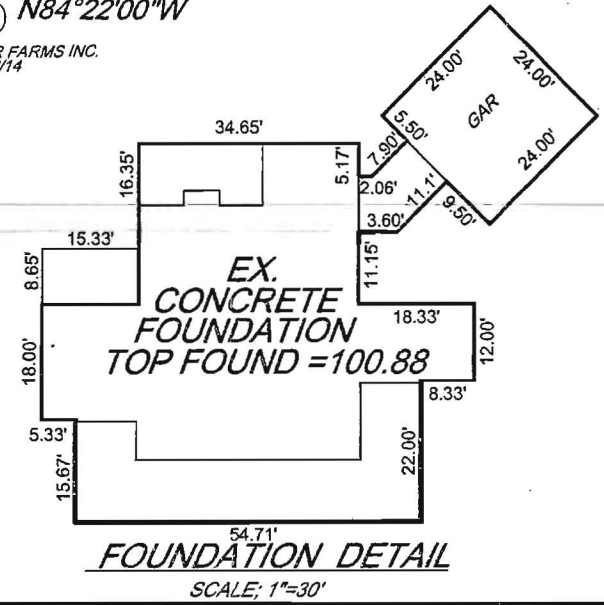
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FOUNDATION DETAIL
 SCALE: 1"=30'



ENGINEERING

A Division of CAS Enterprises, Inc.

civil engineering • surveying • land planning

108 West Ridgeville Boulevard, Suite 101 • Mount Airy, Maryland 21771
phone 301/607-8031 • fax 301/607-8045 • www.casengineering.com

January 20, 2010

Howard County Health Department
Bureau of Environmental Health
7178 Gateway Drive
Columbia, MD 21046
(410) 313-2640

Attn: Dana Bernard

Re: **2959 Duvall Road**
Lot 18, River Farms
Variance Request

Dear Ms. Bernard,

On behalf of our client, Cumberland Development, owners of 2959 Duvall Road, Lot #18, we are requesting a waiver to Section 26.04.02.05(C) of the Comar Regulations which state: "On-site sewage disposal systems shall be located downgrade from private water supplies. A variance to this requirement may be granted by the Department of the Environment after consideration of the hydrogeologic conditions and recommendations of the Approving Authority."

Section 3.808 (d)(3) of the Howard County Code, Page 470 further states "On-site sewage disposal systems(and designated sewage disposal area) shall not be located up gradient of existing or proposed water wells within 200 feet."

Accordingly, we are requesting a waiver to allow for an up gradient septic to a down gradient well at a separation of 120 feet on lot next door at 2949 Duvall Road. An exhibit is attached showing Lot #18 conditions for your use.

In compliance with direction in a memo dated January 20, 2010 our office has added the following General Note to the Amended Percolation Certification Plan:

- "Maryland Department of the Environment approved variance for the on- site sewage disposal area for 2959 Duvall Road, Woodbine, MD, Lot #18 to be up gradient of the well located next door at 2949 Duvall Road, Woodbine, Maryland.

Sincerely,

Eric B. Tidd, P.E.
Project Manager

MEMBER N. C. B. V. A.

MEMBER P. C. B. V. A.



Burial Vaults - Septic Tanks

PHONE: 410-848-0393
 FAX: 410-848-3551

925 WAKEFIELD VALLEY ROAD
 NEW WINDSOR, MD 21776

Five Year Initial Service Policy
 On Site Wastewater Treatment System

Brand Name: <u>Elopod</u>	Model Number: <u>Elopod 60</u>
Purchase Date: <u>11/15/14</u>	Serial Number: <u>E60N 0220CA</u>

INITIAL POLICY:

A five (5) year service policy shall be furnished to the user by the Installer.

This policy is included in the original purchase price and shall provide the following:

1. An inspection/service call every six months which includes inspections, adjustment and servicing of the mechanical and electrical component parts as necessary to ensure proper function for the first year. And once a year there after.
2. An effluent quality inspection every six months consisting of a visual check for color, turbidity, scum overflow, and an examination for odors for the first year. And then once a year there after.
3. A sample shall be pulled from the aeration tank once a year as described in the "Solids Removal" Section to determine if there is an excess of solids in the treatment plant. If the test results determine if there is an excess of solids in the treatment plant. If the test results determine a need for solids removal, the user will bear the cost and responsibility for doing so
4. If any improper operation is observed which cannot be corrected at that time, the user shall be notified immediately in writing of the conditions and the estimated date of correction.

Violations of Warranty including shutting off the electric current to the system for more than 24 hours, disconnecting the alarm system restricting ventilation to the aerator, overloading the system above its rated capacity, or introducing excessive amounts of harmful matter into the system, or any other form of unusual abuse.

**THIS POLICY DOES NOT INCLUDE PUMPING
 SLUDGE FROM UNIT IF NECESSARY**

PERMITTING AUTHORITY:

SYSTEM OWNER:

INSTALLATION LOCATION:

2959 Duvall Rd.
Woodbine, MD 21797

DISTRIBUTOR:

Babylon Vault Company Inc.
925 Wakefield Valley Rd.
New Windsor, MD 21776

INSTALLER:

Cumberland Co.
16391 A.E. Mullinex Rd.
Woodbine, MD 21797

SERVICE COMPANY:

Babylon Vault Co. Inc.

 Service Operators License Number _____

I agree to abide by the service policy as stated above: _____

Witness:

e3 Environmental LLC

302-775-0788 www.e3onsite.com

ECOPOD-N Completion Statement

Installation Information

Owners Name	Jeffrey + JoAnn Anderson	# of Bedrooms / GPD	600
Street	2959 Duvall Rd	Repair	<input type="checkbox"/>
City	Woodbine	New Construction	<input checked="" type="checkbox"/>
State	MD		
Zip	21797		

Installation Company

Company	Cumberland + Co.	Installed Date	11/15/15
Certified Installer		Startup Date	6/8/15
Street	16891 A E Mullinex Rd		
City	Woodbine		
State	MD		
Zip	21797		

ECOPOD-N

Model #	Serial #
E50 <input type="checkbox"/>	
E60 <input checked="" type="checkbox"/>	E60N-0220CA
E75 <input type="checkbox"/>	
E100 <input type="checkbox"/>	
E150 <input type="checkbox"/>	

Blower Voltage	Good
Blower Running Amps	Good
Inches of water over media with blower turned off	2 inches
Vent Installed	yes
Tanks and Risers Water tight	yes
Alarm Functional	yes

I hereby certify that the ECOPOD-N wastewater treatment system has been installed and started up in accordance with the construction permit and is in compliance with the manufacturers recommendations

Company Babylon Vault Co Inc.
Signature Steven R Koontz
Printed Name Steven R. Koontz

Date 6/8/15

2959 Duvall Rd.

Clerk of the Circuit Court for
Howard County
Land Records/Licensing

The Thomas Dorsey Building
9250 Bendix Road
Columbia, MD 21045
410-313-5850

=====
LR - Agreement Recording Fee
1x 20.00 20.00

Grantor/Grantee Name: ANDERSON
Reference/Control #: 112

LR - Agreement Surcharge
1x 40.00 40.00

=====
SubTotal: 60.00
Total: 60.00

=====
REV-Cash 60.00

06/10/2015 11:31 CC13-NN
#4369436 /494/109

~ Thank you for visiting us today ~



Bureau of Environmental Health

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Twitter: HowardCoHealthDep

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 4th day of JUNE 2015, among JEFFREY AND JO ANN ANDERSON, 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 2959 DUVALL ROAD, in the 04 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 13132 Folio 015.

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. The pre-treatment device being installed is Eco POD MODEL E60-N.

NOW, THEREFORE, the parties hereto agree as follows:

Handwritten notes: 6/4/15 PER Curtis Cumberland (builder) unit previously installed in lots 2014. System needs maint., certificates.

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 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.

Bea Ryan 6/4/2015
Howard County Health Department

[Signature] 6/2/15
Owner #1 Signature Date
JEFFREY ANDERSON
Owner #1 Print Name

[Signature] 6/2/15
Owner #2 Signature Date
JO ANN L. ANDERSON
Owner #2 Print Name

Buyer #1 Signature Date

Buyer #1 Print Name

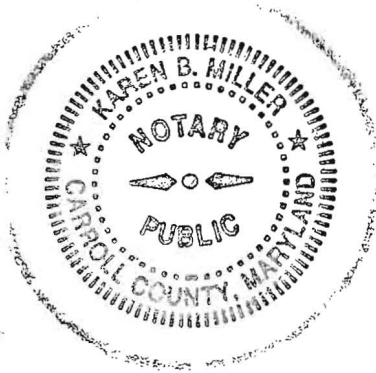
Buyer #2 Signature Date

Buyer #2 Print Name

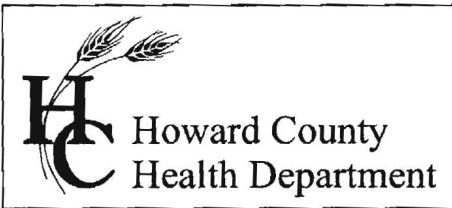
STATE OF MARYLAND, COUNTY OF CARROLL, to wit:

I hereby certify that on this 1st day of June, 2015, before me, the subscriber, a Notary Public of the State and County aforesaid, personally appeared Jeffrey Anderson and Joann L. Anderson, his wife, known to me (or satisfactorily proven) to be the persons whose names are subscribed to the within instrument, and acknowledged the same for the purposes therein contained, and further acknowledged the foregoing Agreement to be their act.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.



Karen B. Miller
Notary Public
My commission expires: 1/7/2016



7178 Columbia Gateway Drive, Columbia MD 21046
Phone (410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
Website: www.hchealth.org

Peter L. Beilenson, M.D., M.P.H., Health Officer

January 25, 2010

RE: 2959 Duvall Road
River Farms

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If you have any questions or correspondence, I can be reached at the above address or by telephone at (410) 313-2775.

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Dana L. Bernard, Environmental Sanitarian
Bureau of Environmental Health
Well and Septic Program

Steven R. Krieg, R.S.

Maryland Department of the Environment

