

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: 7/15/15 **ONSITE SEWAGE DISPOSAL SYSTEM** P 556537
 APPROVAL DATE: _____ **PERMIT: CONSTRUCTION** A _____
 PROPERTY ADDRESS: 11023 Blevins Drive
 SUBDIVISION: Blevins Property LOT: 4 TAX ID: _____
 CONTRACTOR: Hatfield's Equipment EMAIL: ken@hatfieldsequipment.com
 CONTRACTOR ADDRESS: P.O. Box 519, Annapolis Junction, MD 20701 PHONE: 301-480-4289

CONTRACTOR CERTIFIED FOR BAT INSTALLATION: MDE MANUFACTURER:

PROPERTY OWNER: Williamsburg Group LLC EMAIL: marinamorris@williamsburgllc.com
 OWNER ADDRESS: 5485 Harpers Farm Road, Columbia, MD 21044 PHONE: 410-997-8800

NORWECO TNTLP-
 BAT UNIT MODEL: 500GPD PUMP SIZE: N/A PUMP TANK CAPACITY: N/A

OPERATION & MAINTENANCE AGREEMENT DATE SIGNED: 7/19/15 DATE RECORDED: 7/23/15

DISTRIBUTION SYSTEM: GRAVITY PRESSURE DOSED BEDROOMS: 5 APPLICATION RATE: 1.2

TRENCHES:	LINEAR FEET REQUIRED: <u>80' 104'</u>	INLET DEPTH: <u>3.5</u>
	TRENCH WIDTH: <u>32'</u>	MAXIMUM BOTTOM DEPTH: <u>8</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>12'</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>3.5</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: Install 2 x 52' trenches

ISSUED BY: Robert Bricker ISSUE DATE: 7/15/15 EXPIRATION DATE: 7/15/16

- 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: **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.**

Back River Pre-Cast, LLC

PO BOX 329

Glyndon, MD 21071

Phone # 410-833-3394

Fax # 410-833-4116

Letter of Certification

This is to certify that the Norweco Singulair TNT 600 GPD Septic Tank installed at 11023 Blevins Dr., Clarksville, MD 21029 on September 14, 2015 was installed according to the manufacture's specifications.

Installer: Jeff Reiter

Property Owner: Williamsburg Group

Permit #



MATTHEW GECKLE

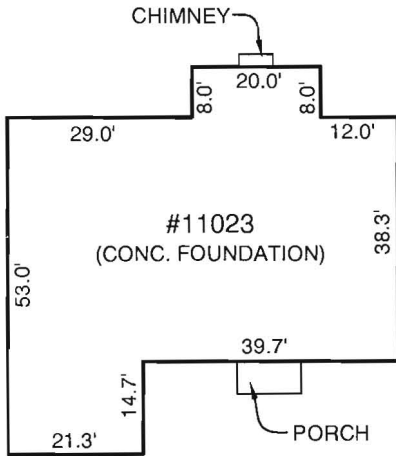
Vice-President

NOTES:

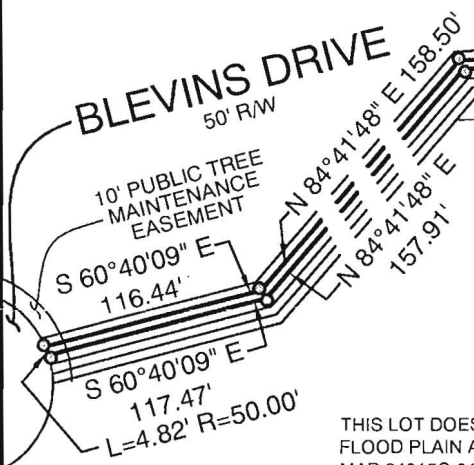
1. THIS PLAT IS A BENEFIT TO THE CONSUMER ONLY INsofar AS IT IS REQUIRED BY A LENDER OR A TITLE INSURANCE COMPANY OR ITS AGENTS IN CONNECTION WITH CONTEMPLATED TRANSFER, FINANCING OR REFINANCING PURPOSES. THIS PLAT IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATION OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE STRUCTURES. THIS PLAT DOES NOT PROVIDE FOR THE ACCURATE IDENTIFICATION OF PROPERTY BOUNDARY LINES, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR FOR SECURING FINANCING OR REFINANCING.
2. THE +/- SETBACK ACCURACY IS 1 FOOT.
3. THIS PLAN OR PLAT IS NOT INTENDED TO SHOW ALL MATTERS RELATED TO THE PROPERTY SHOWN HEREON.
4. B.R.L. = BUILDING RESTRICTION LINE

PARCEL 208
N/F ELIZABETH T. MILLSTEIN
& CARY D. MILLSTEIN
L 3379, F. 614
N 46°02'51"W 200.06'

WALL CHECK: 05-27-2015
TOP OF WALL ELEV. = 501.5'



DETAIL
SCALE: 1" = 30'



36' PRIVATE USE-IN-COMMON DRIVEWAY ACCESS, DRAINAGE & UTILITY EASEMENT FOR THE USE AND BENEFIT OF LOTS 3 - 7

LOCATION DRAWING
11023 BLEVINS DRIVE
LOT 4
BLEVINS PROPERTY
LOTS 1 THRU 8
& NON-BUILDABLE PARCEL 'A'
ELECTION DISTRICT NO. 5
HOWARD COUNTY, MARYLAND

THIS LOT DOES NOT APPEAR TO LIE WITHIN THE 100 YEAR FLOOD PLAIN AS SHOWN ON THE F.E.M.A. FLOOD HAZARD MAP 24015C-0152-E AS REVISED MAY 4, 2015.

CERTIFICATION

I HEREBY CERTIFY THAT I WAS IN RESPONSIBLE CHARGE OVER THE PREPARATION OF THIS LOCATION DRAWING AND THE SURVEY WORK RECORDED HEREON IS IN COMPLIANCE WITH REQUIREMENTS SET FORTH IN THE CODE OF MARYLAND TITLE 9, SUBTITLE 13, CHAPTER 06, REGULATION 12, AND THE POSITION OF EXISTING IMPROVEMENTS AS SHOWN HEREON, ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

MICHAEL D. ADCOCK
PROFESSIONAL SURVEYOR
NO. 21257, EXPIRATION DATE 06-16-2017

Adcock & Associates · LLC

Engineers · Surveyors · Planners

3300 North Ridge Road, Suite 160
Ellicott City, Maryland 21043
Phone: 443.325.7682 Fax: 443.325.7685
Email: mike@saaland.com

REFERENCE:	PLAT NO. 23200
DATE:	MAY 29, 2014
SCALE:	1"=100'
FILE NO.:	11-054



LIBER 16091 FOLIO 082

Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

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Twitter: HowardCoHealthDep

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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 22 day of March, among Saleh Ayache Firsozeh Alwanall + Williamsburg, 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 Lot 4 11023 Blevins Dr., Clarksville, in the 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 15765 Folio 325.

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 NORWECO.

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 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

Handwritten signature and initials

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.

Michael J. Davis 3/25/15
Sor Howard County Health Department
MICHAEL J. DAVIS

[Signature] 2-23-15
Owner #1 Signature Date
BOB CORBETT
WILLIAMSBURG GROUP LLC
Owner #1 Print Name

Owner #2 Signature Date

Owner #2 Print Name

[Signature] 3/22/2015
Buyer #1 Signature Date
SALEH AYACHE

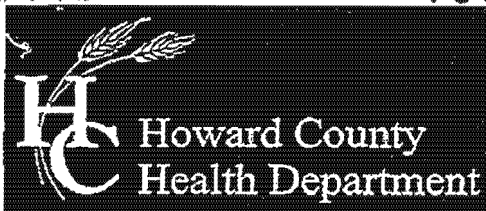
Saleh Ayache 3/22/2015
Buyer #2 Signature Date

F. Alvanidi 3/22/2015
Buyer #1 Print Name
FIROOZEH AYACHE ALVANDI

FIROOZEH ALVANDI
Buyer #2 Print Name

JW 8/8/2014

LR - Agreement 20.00
Recording Fee 20.00
Grantor/Grantee Name: AYACHE
Reference/Control #: 75
LR - Agreement Surcharge 40.00
SubTotal: 60.00
Total: 120.00
03/25/2015 11:13
CC13-ES
#4003002 CC0503
Howard Co
Columbia/CC05.03.08
Register 08



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Facebook: www.facebook.com/hocohealth
Twitter: HowardCoHealthDep

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

AGREEMENT FOR APPROVAL OF AN INDIVIDUAL DRINKING WELL WITH AN ON-SITE TREATMENT SYSTEM

This agreement is entered into by and between the Howard County Health Department ("the Health Department") and Saleh Ayache & Firoozeh Alvand ("the Owner").

WHEREAS, the Owner owns a tract of land at street address 11023 Blevins Drive Clarksville, MD 21029 and the deed and subdivision plat of the property is recorded among the Land Records of Howard County, Maryland, Tax Map # 35, Block # Parcel # 310, Deed Reference # 15676 and Tax Account # 325 ("the Property").

WHEREAS, the Property lacks an available public drinking water source and is required to have and individual well as the source of drinking water for the residence of the property.

WHEREAS, the Owner has installed a residential drinking well under well permit 40-95-2275 that has been tested by the Health Department (or a private laboratory certified to perform testing) for radionuclide particles. The results of the tests have shown that the gross alpha particle content and/or the gross beta particle content and/or the combined radium 226/228 levels exceeds the standards of 15 picocuries per liter (pCi /L), 4 millirems per year (mrem/yr) and/or 5pCi/L respectively.

Handwritten notes: 20, 40, 25

WHEREAS, The Maryland Department of the Environment (MDE) has promulgated rules and regulations under which a Certificate of Potability may be issued and has delegated the authority to issue such Certificate to the Health Department.

WHEREAS, MDE regulations permit the Health Department to issue as a special condition, a permanent deviation to the Certificate of Potability for individual wells where treatment has been installed to meet the maximum contaminate levels (MCL's) for radionuclides.

WHEREAS, MDE has determined that radium can be effectively removed from the drinking water by the use of treatment devices (e.g., ion exchange or reverse osmosis).

WHEREAS, the Owner is requesting that the Health Department issue a Certificate of Potability contingent upon installation and maintenance of a water treatment device to reduce radionuclides.

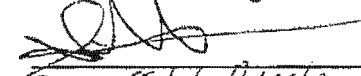

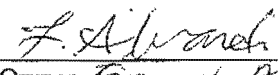
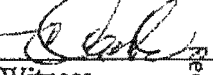

WHEREAS, neither the Owner nor the Health Department has knowledge of an alternative safe source of water for the Property.

NOW THEREFORE, the parties have agreed to the following terms and conditions:

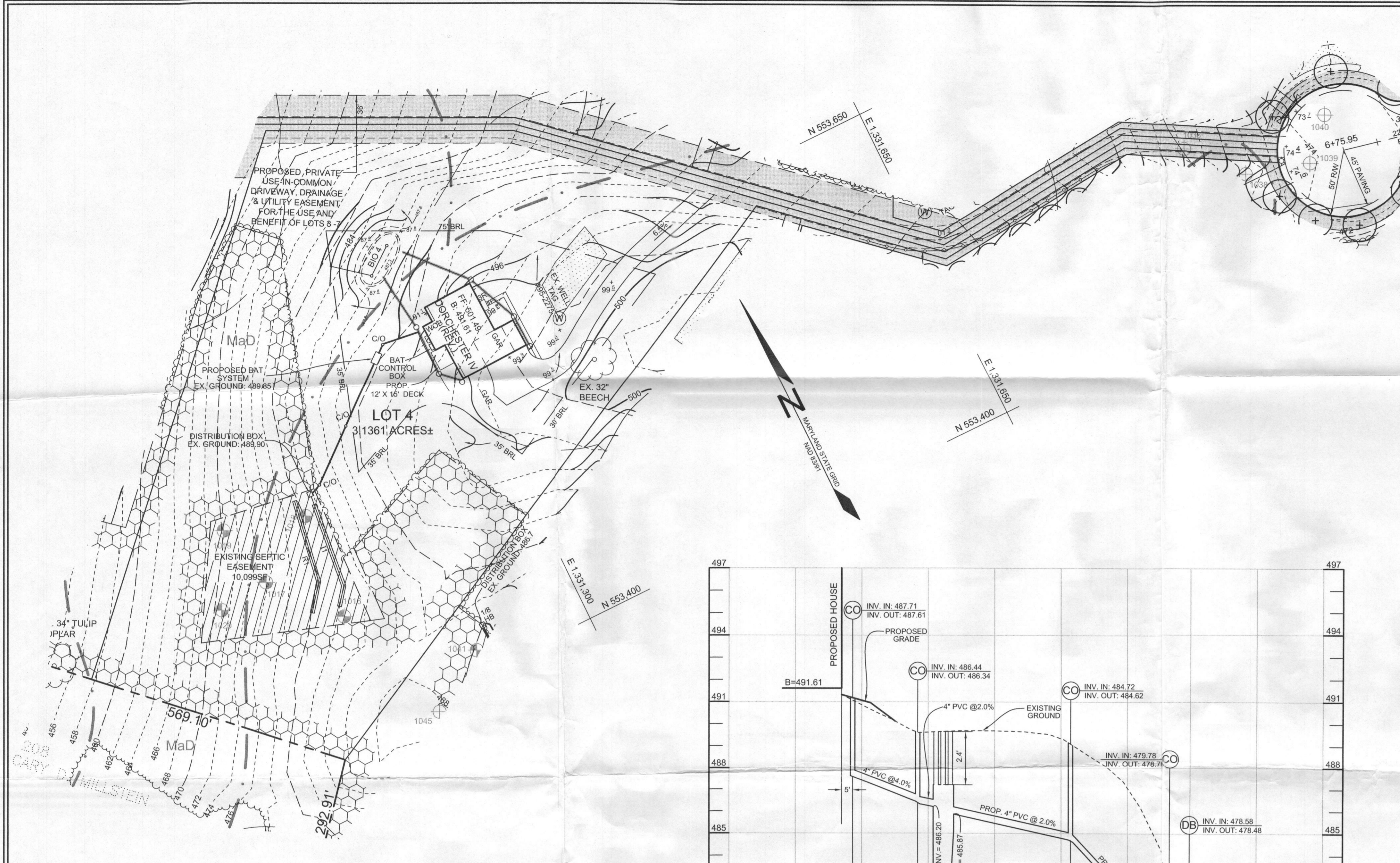
Handwritten signature/initials: SA

1. The Owner will record this Agreement among the Land Records of Howard County, Maryland and provide confirmation to the Health Dept.
2. The Owner agrees to install and maintain a water treatment device, which effectively reduces the gross alpha, gross beta and radium levels to below their respective MCL. The Health Department shall verify that the treatment device is operating effectively and the Owner agrees to allow access to the Health Department to collect a follow-up sample(s).
3. The Health Department shall issue a Certificate of Potability for the well once follow-up sampling shows acceptable gross alpha, gross beta (short and long term) and radium 226 / 228 levels.
4. The Owner agrees that there shall be no liability on part of the Health Department for any immediate or long term impacts to health or property, under any circumstance or including, but not limited to, treatment device failure, improper maintenance or installation, or defect. The Health Department does not warranty or guarantee that the device will adequately or properly function and the Owner agrees to implement and pay for any necessary changes or corrections.
5. The Owner acknowledges and agrees that neither the Health Department nor any of its agents or employees, either officially or individually, underwrites the operation of any system or treatment device.
6. This Agreement shall not be construed to limit any authority of the Health Department to protect the public health, safety or enjoyment of property or to issue any other orders to take any other action, which is now or may hereafter be within its authority.
7. This agreement contains the entire agreement and understanding between the Health Department 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 their authorized representatives.
8. The Agreement shall run with the land and binds the Owner, his heirs, successors, and assigns. The owner agrees to provide a copy of this agreement to any purchaser or lessee of the property.
9. The laws of the State of Maryland govern the provisions of all transactions.

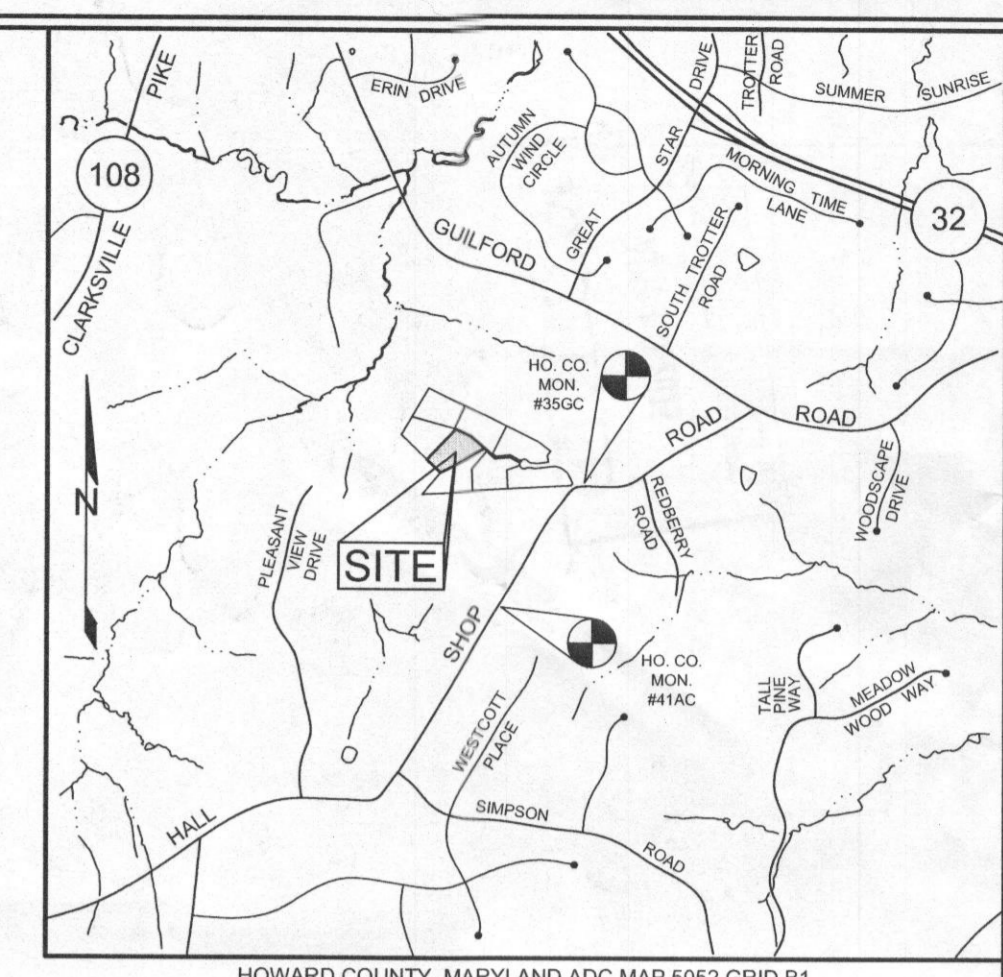
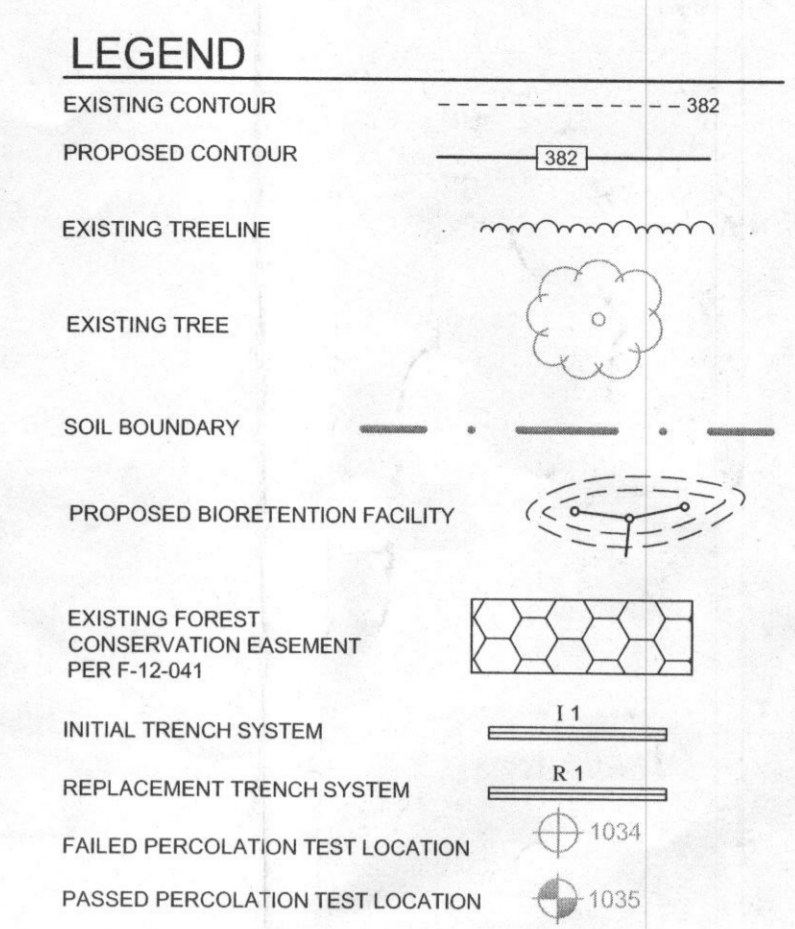
The parties have signed and sealed this Agreement on the dates set forth below.

	3/22/2015		3/22/2015
Owner <u>Saleh Ayache</u>	Date	Witness	Date
	3/22/2015		3/22/2015
Owner <u>Firoozeh Alvarado</u>	Date	Witness	Date
	3/25/15		
Health Officer for <u>Howard County</u>	Date		
<u>HEALTH DEPT</u>			
<u>MICHAEL J. DAVIS</u>			

LR - Agreement
 Recording Fee 20.00
 Grantor/Grantee Name:
 AYACHE
 Reference/Control #: 76
 Reg. Agreement
 Discharge 40.00
 Total: 60.00
 Total: 120.00
 3/25/2015 11:13
 #1003062 CC0503 - CC13-ES
 Howard Co
 Columbia/CC05.03.08 -
 Registrar 08



**BLEVINS DRIVE
LOCAL COUNTY ROAD
PUBLIC ACCESS PLACE**

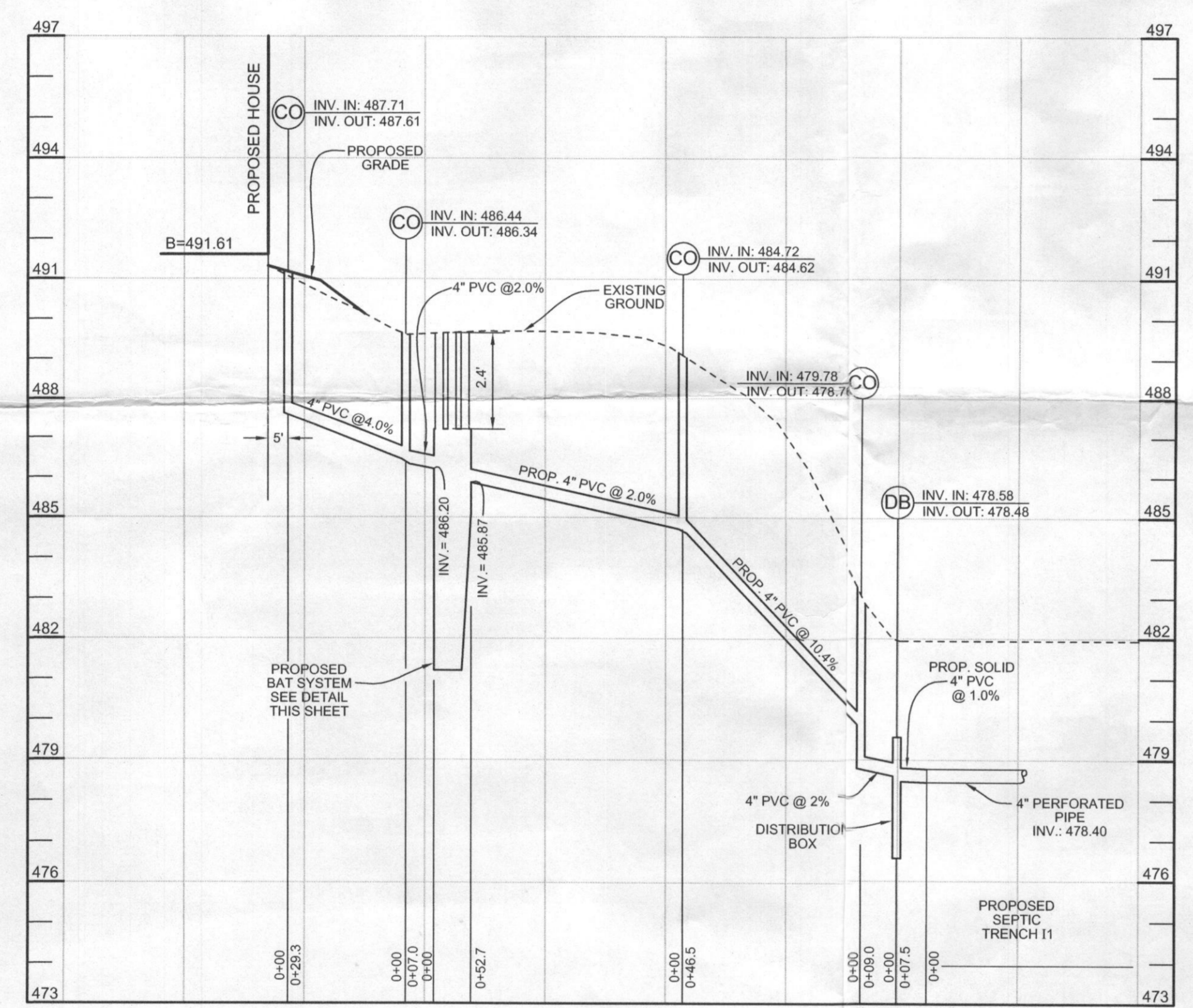


SOILS LEGEND

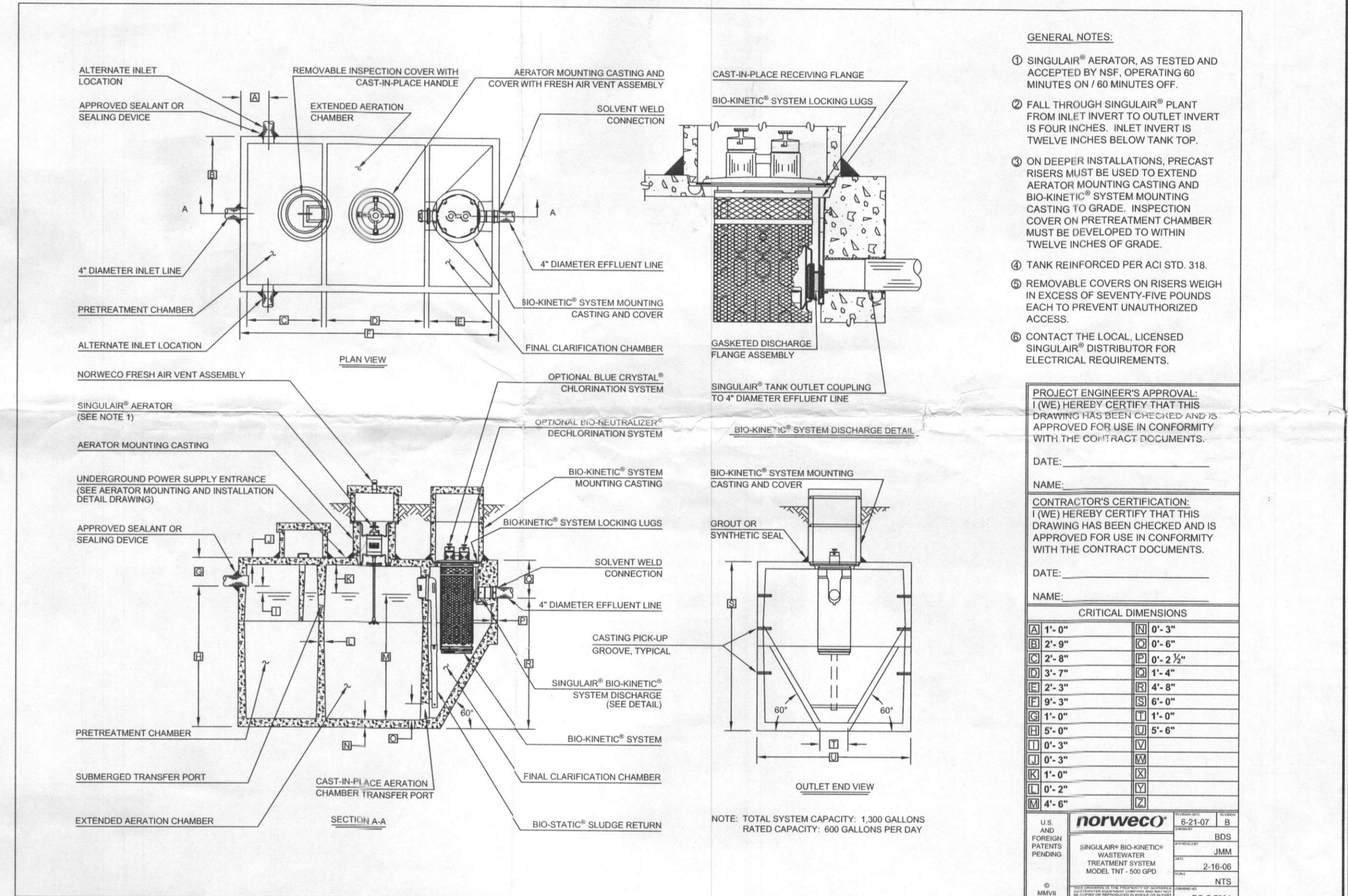
SYMBOL	NAME / DESCRIPTION	GROUP	'K' FACTOR
G/A	GLADSTONE LOAM, 0 TO 3 PERCENT SLOPES	B	0.20
G/B	GLADSTONE LOAM, 3 TO 6 PERCENT SLOPES	B	0.20
G/C	GLADSTONE LOAM, 6 TO 15 PERCENT SLOPES	B	0.20
MaD	MANOR LOAM, 15 TO 25 PERCENT SLOPES	B	0.24

NOTES:
 1) SOIL INFORMATION HAS BEEN TAKEN FROM THE UNITED STATES DEPARTMENT OF AGRICULTURE; NATURAL RESOURCES CONSERVATION SERVICE; WEB SOIL SURVEY.
 2) HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15 PERCENT OR THOSE SOILS WITH A SOIL ERODIBILITY FACTOR 'K' GREATER THAN 0.35 AND WITH A SLOPE GREATER THAN 5 PERCENT.

Improved Septic System Plan
 Howard County Health Department
NORWECO TN7LP-500 GPD
 Gravity flow to drain field
R. Brice 4/22/15
 Signature Date
 11023 Blevins Drive
 B15001229



BAT SYSTEM PROFILE
 SCALE: HORIZ. 1"=30'
 VERT. 1"=3'



SEPTIC SYSTEM TRENCH DESIGN SPECIFICATIONS

INITIAL SYSTEM:

- APPLICATION RATE: 1:2
- EFFECTIVE AREA BEGINNING DEPTH: 3.5'
- BOTTOM MAXIMUM DEPTH: 8'

DESIGN FLOW:

- 5 BEDROOMS AT 150 GPD
- 5X150 GPD = 750 GPD

SQUARE FOOTAGE OF DRAIN FIELD REQUIRED:

- DESIGN FLOW (750 GPD) / APPLICATION RATE (1.2) = 625 SF

SIDEWALL REDUCTION CREDIT:

- TRENCH WIDTH (W) = 3'
- TRENCH EFFECTIVE DEPTH (D) = 4.5'
- (W+2) / (W+1+2D) X 100 = 38.5%

LINEAR LENGTH OF TRENCH REQUIRED:

- DRAIN FIELD SQUARE FOOTAGE (625) X SIDEWALL REDUCTION CREDIT (38.5%) / TRENCH WIDTH (3') = 80.2'

EX. GRADE: TRENCH I1: 481.9
INVERT: TRENCH I1: 478.4

REPLACEMENT SYSTEM:

- APPLICATION RATE: 1:2
- EFFECTIVE AREA BEGINNING DEPTH: 4'
- BOTTOM MAXIMUM DEPTH: 8'

DESIGN FLOW:

- 5 BEDROOMS AT 150 GPD
- 5X150 GPD = 750 GPD

SQUARE FOOTAGE OF DRAIN FIELD REQUIRED:

- DESIGN FLOW (750 GPD) / APPLICATION RATE (1.2) = 625 SF

SIDEWALL REDUCTION CREDIT:

- TRENCH WIDTH (W) = 3'
- TRENCH EFFECTIVE DEPTH (D) = 4'
- (W+2) / (W+1+2D) X 100 = 41.7%

LINEAR LENGTH OF TRENCH REQUIRED:

- DRAIN FIELD SQUARE FOOTAGE (625) X SIDEWALL REDUCTION CREDIT (41.7%) / TRENCH WIDTH (3') = 86.9'

EX. GRADE: TRENCH R1: 479.9
INVERT: TRENCH R1: 475.9

BAT NOTES

- ANY CHANGE TO THE LOCATIONS OR DEPTHS TO ANY COMPONENTS MUST BE APPROVED BY THE ENGINEER AND THE HOWARD COUNTY HEALTH DEPARTMENT PRIOR TO INSTALLATION. A REVISED SITE PLAN MAY BE REQUIRED.
- THE MAXIMUM DEPTH OF THE BAT PER THE MANUFACTURER'S SPECIFICATION IS 5 FEET.
- THE BLOWER MAY NOT BE LOCATED MORE THAN 50 FEET FROM THE TANK BASED ON THE MANUFACTURER'S SPECIFICATIONS.
- THE BAT SYSTEM SHALL BE MAINTAINED AND OPERATED FOR THE LIFE OF THE SYSTEM.
- THE BAT SYSTEM SHALL BE MAINTAINED BY AND MAINTAINED BY A CERTIFIED SERVICE PROVIDER.
- WITHIN ONE MONTH OF INSTALLATION, A PERSON INSTALLING THE BAT SYSTEM SHALL REPORT TO THE MARYLAND DEPARTMENT OF THE ENVIRONMENT (MDE) IN A MANNER ACCEPTABLE TO MDE, THE ADDRESS AND DATE OF COMPLETION OF THE BAT INSTALLATION AND THE TYPE OF BAT INSTALLED.
- ELECTRICAL WORK FOR THE BAT INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
- AN AGREEMENT AND EASEMENT MUST BE COMPLETED AND SIGNED BY ALL APPLICABLE PARTIES, AND RECORDED IN LAND RECORDS OF HOWARD COUNTY.
- THE HEALTH DEPARTMENT REQUIRES DOCUMENTATION FOR THE START-UP CERTIFICATION FROM THE MANUFACTURER PRIOR TO FINAL APPROVAL OF THE INSTALLATION.
- BAT SYSTEM TO BE A NORWECO SINGULAR MODEL TN7-500 OR EQUIVALENT.

OWNER/DEVELOPER
 WILLIAMSBURG GROUP
 5485 HARPERS FARM ROAD, SUITE 200
 COLUMBIA, MARYLAND 21044
 410.997.8800

SITE PLAN FOR BAT INSTALLATION
BLEVINS PROPERTY
 LOT 4

TAX MAP 35 GRID 19
 5TH ELECTION DISTRICT

PARCEL 310
 HOWARD COUNTY, MARYLAND

SILL ENGINEERING, LLC
 11130 Dovevale Court, Suite 200
 Manassasville, Maryland 21104
 Phone: 443.325.5076
 Fax: 410.696.2022
 Email: info@sillengineering.com
 Civil Engineering for Land Development

DESIGN BY: PS
 DRAWN BY: KSZ
 CHECKED BY: PS
 SCALE: AS SHOWN
 DATE: APRIL 10, 2015
 PROJECT #: 14-040
 SHEET #: 1 of 1

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 32025, EXPIRATION DATE: JUNE 20, 2015.