

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: 8-5-14 **ONSITE SEWAGE DISPOSAL SYSTEM** P 554569

INSTALLATION APPROVAL DATE: 9/2/2014 **PERMIT** A _____
CONSTRUCTION

PROPERTY ADDRESS: 6287 Heather Glen Way
 SUBDIVISION: Preserve at Clarksville LOT: 15 TAX ID: _____
 CONTRACTOR: Hatfield's Equipment EMAIL: ken@hatfieldsequipment.com
 CONTRACTOR ADDRESS: P.O. Box 519, Annapolis Junction, MD 20701 PHONE: 301-490-4289
 PROPERTY OWNER: Compass Homes EMAIL: _____
 OWNER ADDRESS: 6206 Heather Glen Way, Clarksville, MD 21029 PHONE: _____

BAT UNIT MODEL: Norweco TNTLP BAT UNIT SIZE: 600GPD
 PUMP CHAMBER CAPACITY (GALLONS): _____ PUMP SIZE: _____
 NUMBER OF BEDROOMS: 4 HOUSE SQ. FT. _____ APPLICATION RATE: _____
 DISTRIBUTION SYSTEM: GRAVITY FED LOW PRESSURE DOSED

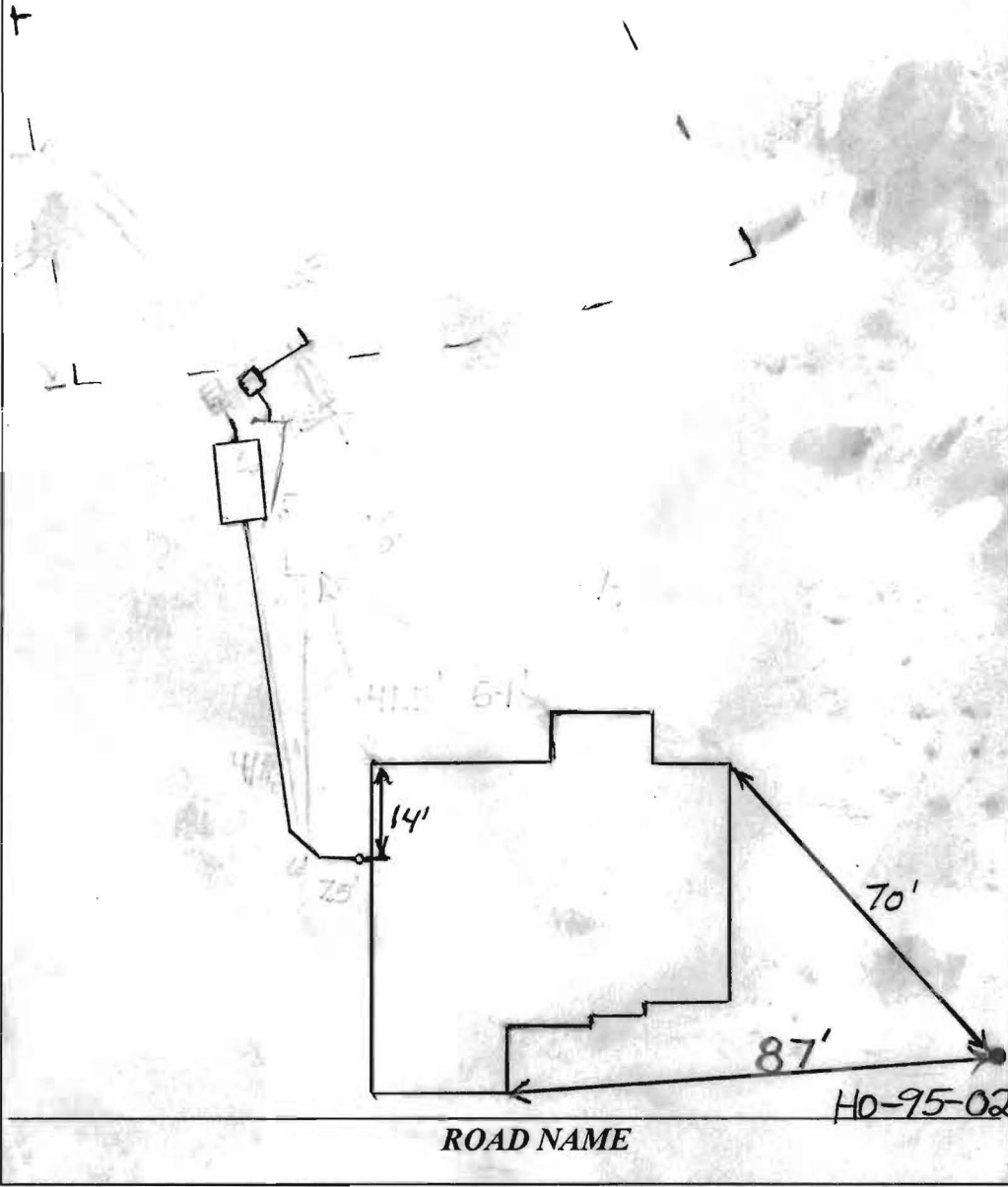
TRENCHES:	LINEAR FEET REQUIRED: SEE SITE PLAN <u>130'</u>	INLET DEPTH: SEE SITE PLAN <u>5'</u>
	TRENCH WIDTH: SEE SITE PLAN <u>3'</u>	MAXIMUM BOTTOM DEPTH: SEE SITE PLAN <u>8'</u>
	MINIMUM SPACE BETWEEN TRENCHES: SEE SITE PLAN <u>9'</u>	EFFECTIVE AREA BEGINNING DEPTH: SEE SITE PLAN <u>6'</u>
LOCATION:	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: Jeff Williams ISSUE DATE: 8-5-14 EXPIRATION DATE: 8-5-15

- 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 DOWNGRAIDENT 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.**

NOT TO SCALE



TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3'	5'	8'

NUMBER OF TRENCHES 2
 TOTAL LENGTH 129'
 ABSORPTION AREA 387+Sidewall
 DISTRIBUTION BOX LEVEL Levelers
 DISTRIBUTION BOX BAFFLE Yes
 DISTRIBUTION BOX PORT Yes

SEPTIC TANK DATA

SEPTIC TANK I LEVEL Yes
 MANUFACTURER Norweco
 CAPACITY 1300 GAL
 SEAM LOC Top
 TANK LID DEPTH 0.5'-2.5'
 BAFFLES No
 BAFFLE FILTER N/A
 MANHOLE LOC Front Middle Rear
 6" PORT LOC None
 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 _____

PRE CONSTRUCTION:

8/19/2014 Layout done. Install two 65' trenches on contour across the top of the easement. (BB)

INSTALLATION: 8/20/2014

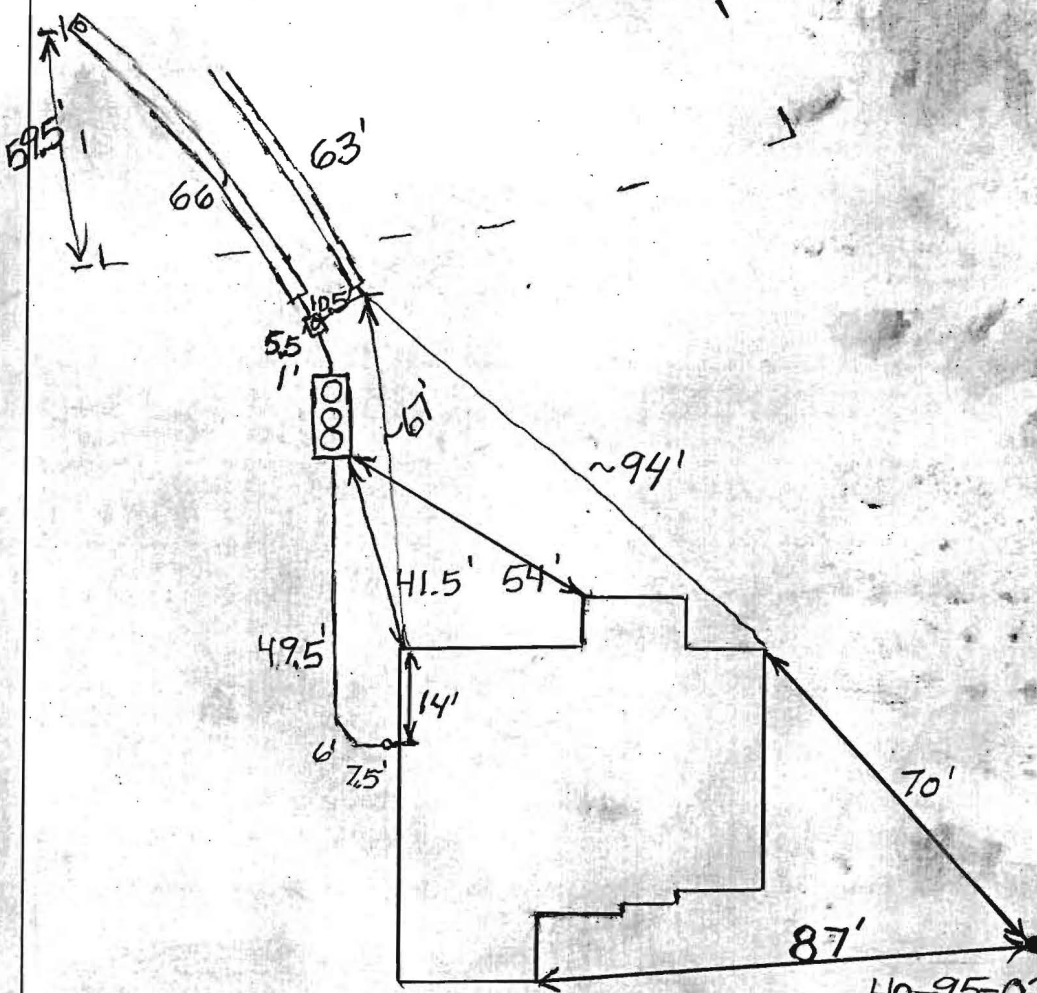
8/21/2014

9/2/2014 Received approval from manufacturer. (BB)

FINAL INSPECTOR B. Baker

DATE OF APPROVAL 9/2/2014

NOT TO SCALE



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	5'	8'
NUMBER OF TRENCHES		2
TOTAL LENGTH _____		
ABSORPTION AREA _____		
DISTRIBUTION BOX LEVEL		Levelers
DISTRIBUTION BOX BAFFLE		Yes
DISTRIBUTION BOX PORT		Yes

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	Yes
MANUFACTURER	Norweco
CAPACITY	1300 GAL
SEAM LOC	Top
TANK LID DEPTH	0.5'-2.5'
BAFFLES	No
BAFFLE FILTER	N/A
MANHOLE LOC	Front, Middle, Rear
6" PORT LOC	None
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	_____

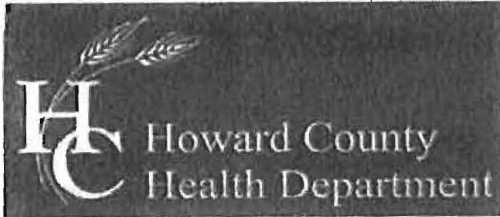
PRE-CONSTRUCTION: 8/19/2014 Layout done. Install two 65' trenches on contour across the top of the easement. (BB)

INSTALLATION: 8/20/2014

8/21/2014

9/2/2014 Received approval from manufacturer. (BB)

FINAL INSPECTOR B. Baker DATE OF APPROVAL 9/2/2014



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Facebook: www.facebook.com/hocohealth
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 11 day of March, among
Joyce + Steven Snelgrove, hereinafter collectively referred to as
"Owner", and the Howard County Health Department hereinafter referred to as the
"County".

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WHEREAS, Owner is the owner or contract owner of a parcel of land located at
6 287 Heather Glen Way, 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 15236 Folio 00041

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

[Handwritten signature]

(56)

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 Snelgrove 3/17/14
Owner / Steven Snelgrove Date

Joyce M. Snelgrove 3/17/14
Owner / Joyce Snelgrove Date

Michael J. Davis 3/24/14
Howard County Health Department
MICHAEL J. DAVIS

LR - Agreement	
Recording Fee	150.00
Grantor/Grantee Name:	
Snelgrove	
Reference/Control #:	
123	
LR - Agreement	40.00
Surcharge	60.00
Subtotal:	120.00
Total:	#2586834-1 12:33
	03/24/2014 CC13-05
#2586834 CC0503 -	
Howard Co	
Columbia/CC05.03.02 -	
Register 02 494	



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 Twitter: HowardCoHealthDep

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 Joyce & Steven Snelgrove ("the Owner").

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WHEREAS, the Owner owns a tract of land at street address 6287 Heather Glen Way, Clarksville, MD 21024 and the deed and subdivision plat of the property is recorded among the Land Records of Howard County, Maryland, Tax Map # 0034, Block # , Parcel # 0077, Deed Reference # 15236/00041 and Tax Account # 44847 ("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 HO-95-0258 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.

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 signatures and initials] (58)

LR - Agreement
 Recording Fee 20.00
 Grantor/Grantee Name:
 Snelgrove
 Reference/Control #:
 126
 LR - Agreement
 Surcharge 40.00
 Total: 60.00
 120.00
 #2580634-5
 03/24/2014 12:33
 CC13-09
 #2580634 000503 -
 226 / CC05.03.02 -
 Register 02 494

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.

Steven Snelgrove 3/17/14
 Owner Steven Snelgrove Date

[Signature] 3/17/14
 Witness Date

Joyce M. Snelgrove 3/17/14
 Owner Joyce Snelgrove Date

[Signature] 3/17/14
 Witness Date

Michael J. Davis 3/24/14
 Health Officer Date
 MICHAEL J. DAVIS

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 6287 Heather Glen Way, Clarksville, MD 21029 August 20, 2014 was installed according to the manufacture's specifications.

Installer: Jeff Reiter



MATTHEW GECKLE

Vice-President

Williams, Jeffrey

From: Williams, Jeffrey
Sent: Thursday, April 03, 2014 3:00 PM
To: 'David Thompson'
Subject: Preserve at Clarksville lot 15
Attachments: WS_HeatherGlenWay_6283_SepticPermit_2011.pdf; Preserve at Clarksville lot 15_Septic spec worksheet_new.pdf

I've reviewed the BAT plan for lot 15. The following are comments:

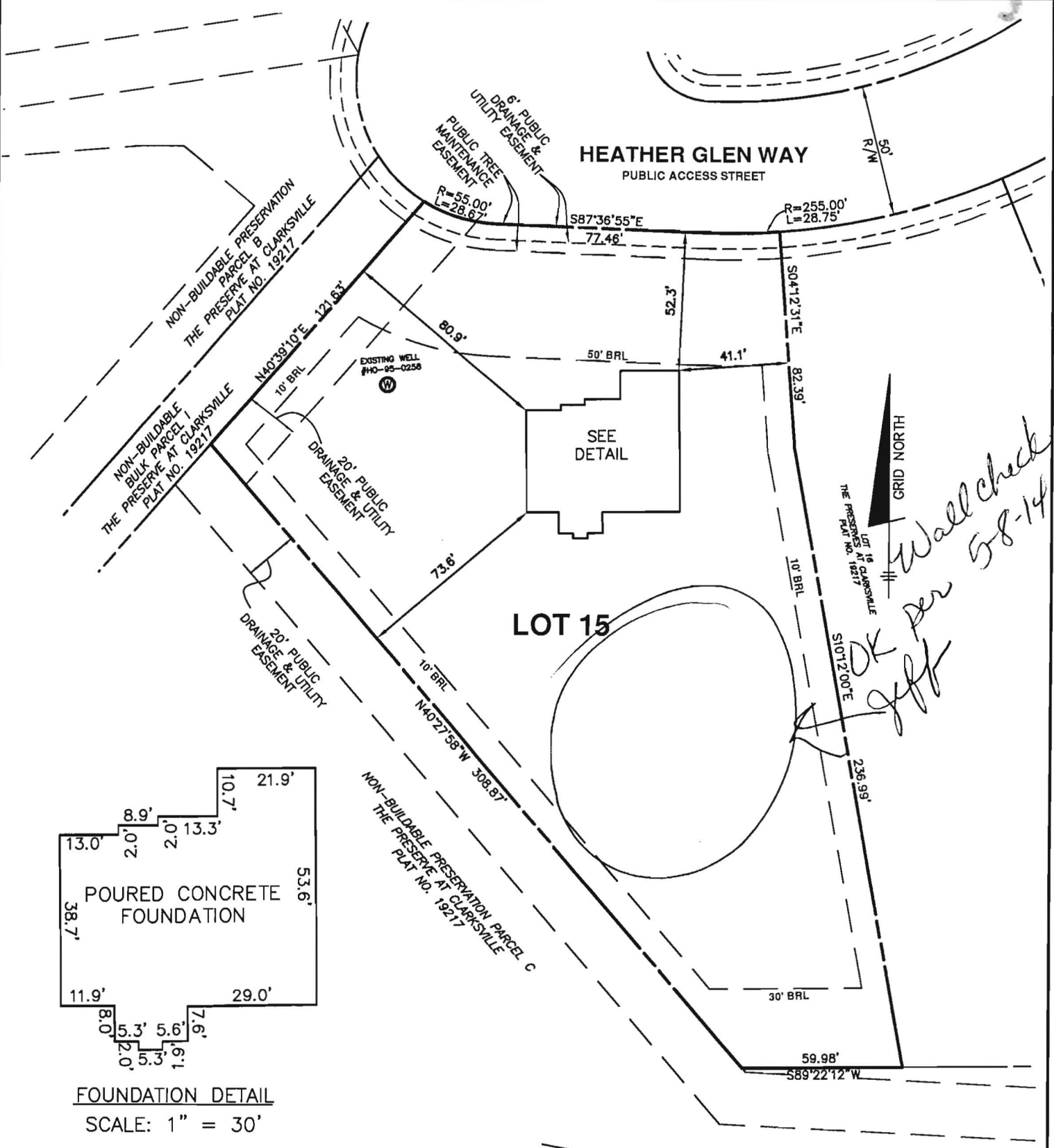
- ✓ The proposed grade over the BAT unit at the end near the house is 4'. The maximum cover over any part of the unit is 3'.
- ✓ The wellbox for neighboring lot 16 was revised in 2011. The revised box must be shown and the tank must be at least 100' from it. I've attached a copy of the revised perc cert.
- ✓ The trenches must be equal length.
- The first replacement system must be shown. Note on the spec sheet that the reserve system has different specs from the initial system.
- Attached is the spec sheet for this lot. The calculations used to arrive at total linear length should be shown on the plan. The trench details: trench width, ground elevation, invert elevation, bottom elevation must be shown for each trench.

Thanks.

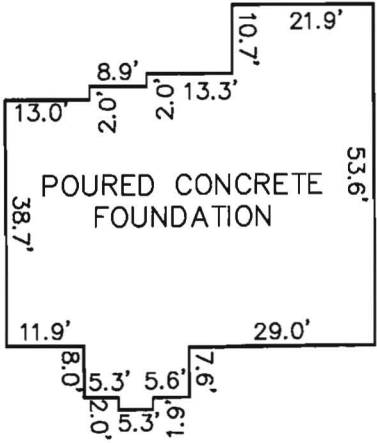
Jeff Williams
Program Supervisor, Well & Septic Program
Bureau of Environmental Health
Howard County Health Dept.
410-313-4261
jewilliams@howardcountymd.gov

CONFIDENTIALITY NOTICE

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Wall check
OK per Jeff
5-8-14



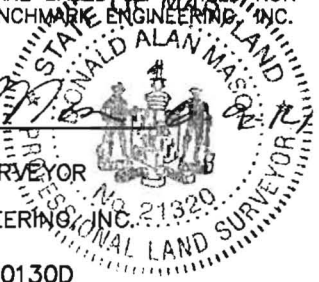
FOUNDATION DETAIL
SCALE: 1" = 30'

SURVEYOR'S CERTIFICATE

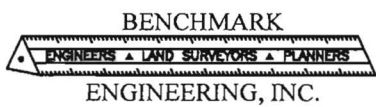
I HEREBY CERTIFY THAT THESE DOCUMENTS, WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21320, EXPIRATION DATE 1-7-2015 AND TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION AND BELIEF, THAT THE DIMENSIONS OF THE BUILDING WALLS SHOWN HEREON ARE CORRECT; THAT THEY ARE BASED ON A FIELD RUN SURVEY PERFORMED BY BENCHMARK ENGINEERING, INC. ON 06/05/14.

TOP OF FOUNDATION WALL ELEVATION = 414.9'
OFFSET DIMENSIONS TO PROPERTY LINES ARE ± 0.1'

Donald A. Mason
DONALD A. MASON
PROFESSIONAL LAND SURVEYOR
MD REG. No. 21320
FOR BENCHMARK ENGINEERING, INC.
MD REG. No. 351



FEMA FIRM No. 24027C0130D
ZONE: X
DATED: 11/06/2013



8480 BALTIMORE NATIONAL PIKE ▲ SUITE 315
ELLCOTT CITY, MARYLAND 21043
phone: 410-465-6105 ▲ fax: 410-465-6644
www.bai-civilengineering.com

FIELD OBS. BY AIS
COMP. BY EWF
DRAWN BY EWF

WALL CHECK
THE PRESERVE AT CLARKSVILLE
LOT 1-32
PLAT No. 19217
LOT No.15

6287 HEATHER GLEN WAY

5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE: 1" = 50' DATE: 06/05/2014

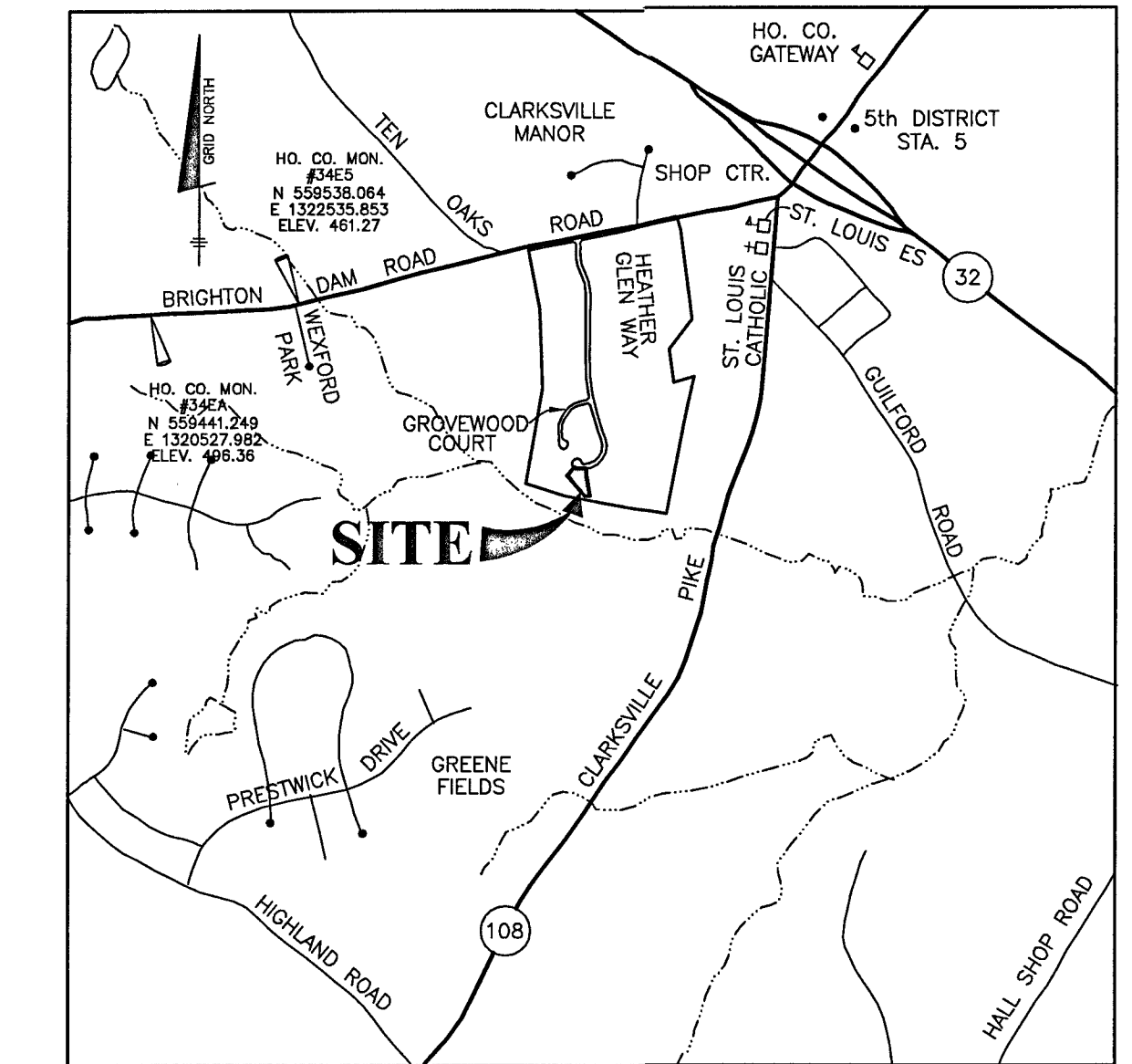
NOTES:

1. 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.
2. THE MAXIMUM DEPTH OF THE BAT PER THE MANUFACTURER'S SPECIFICATION IS 3 FEET.
3. THE BAT SYSTEM SHALL BE MAINTAINED AND OPERATED FOR THE LIFE OF THE SYSTEM.
4. THE BAT SHALL BE OPERATED BY AND MAINTAINED BY A CERTIFIED SERVICE PROVIDER.
5. WITHIN ONE (1) 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.
6. ELECTRICAL WORK FOR THE BAT INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
7. AN AGREEMENT AND EASEMENT MUST BE COMPLETED AND SIGNED BY ALL APPLICABLE PARTIES, AND RECORDED IN LAND RECORDS OF HOWARD COUNTY.
8. THE HEALTH DEPARTMENT REQUIRES DOCUMENTATION FOR THE START-UP CERTIFICATION FROM THE MANUFACTURER PRIOR TO FINAL APPROVAL OF THE INSTALLATION.

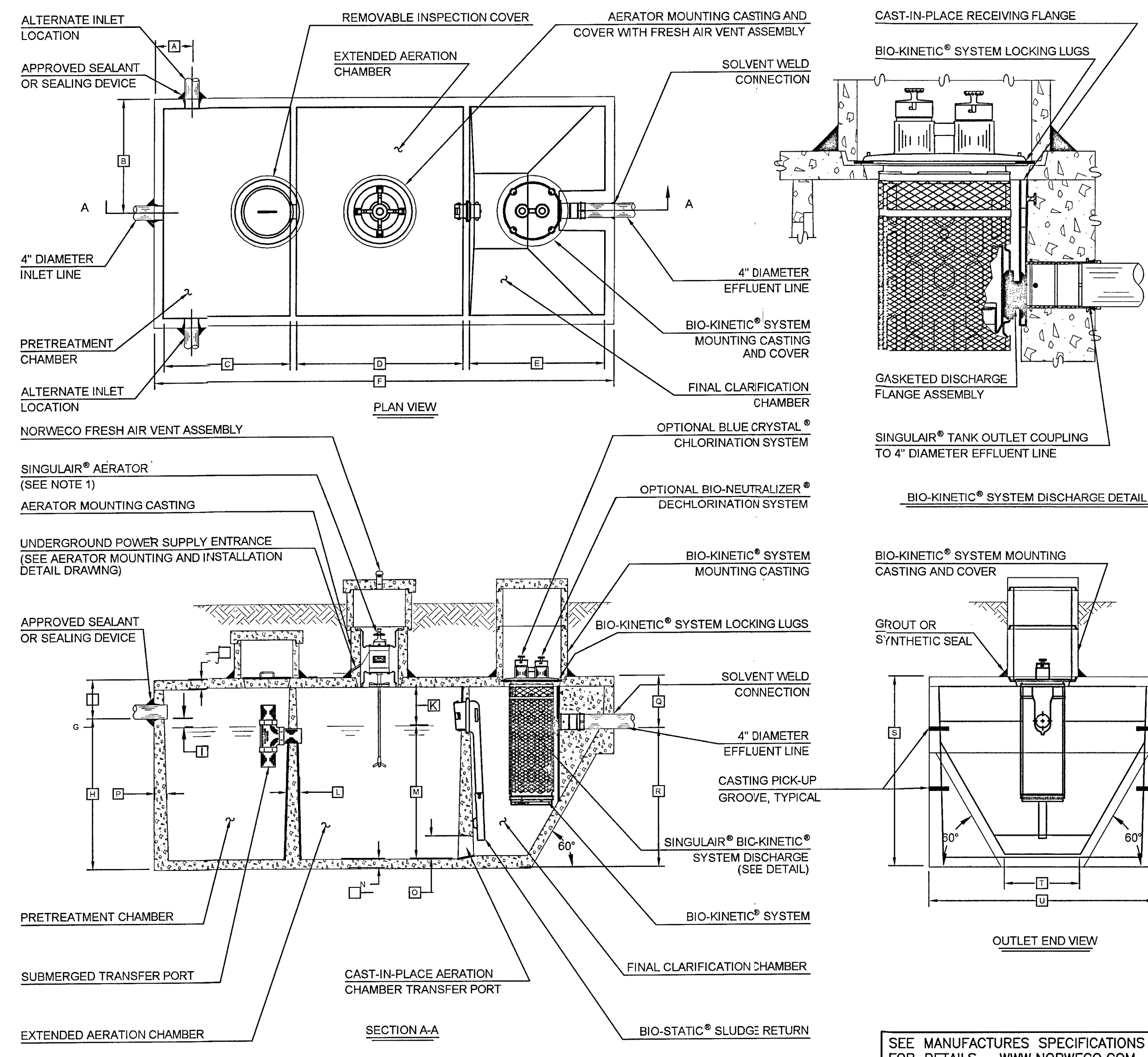
LEGEND

- BOUNDARY
- EXISTING TOPOGRAPHY
- SEWAGE DISPOSAL AREA
- INITIAL TRENCH SYSTEM
- 1st REPLACEMENT SYSTEM
- 1,500 SF WELLBOX
- WELL LOCATION
- PASSED TEST HOLE TESTED APRIL / MAY 2003
- FAILED TEST HOLE TESTED APRIL/MAY 2003
- FAILED TEST HOLE TESTED JUNE 2004
- PASSED TEST HOLE TESTED NOV-DEC 2001
- FAILED TEST HOLE TESTED NOV-DEC 2001
- Ggb SOILS CLASSIFICATION
- SOILS DELINEATION LINE

NRCS SOILS CHART				
SYMBOL	HYDRIC	HYDROLOGIC GROUP	ALTERNATE GROUP	NAME
Ggb		B		GLENELG LOAM, 3 TO 8 PERCENT SLOPES
Gmb*	YES	C		GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES



VICINITY MAP
SCALE: 1" = 2000'



SEE MANUFACTURER'S SPECIFICATIONS FOR DETAILS. WWW.NORWECO.COM

GENERAL NOTES:

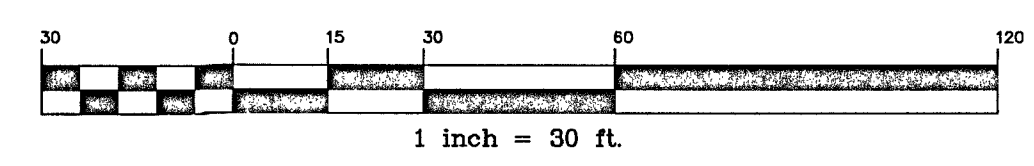
1. SINGULAR® AERATOR, AS TESTED AND ACCEPTED BY NSF, OPERATING 60 MINUTES ON / 60 MINUTES OFF.
2. FALL THROUGH SINGULAR® PLANT FROM INLET INVERT TO OUTLET INVERT IS FOUR INCHES. INLET INVERT IS TWELVE INCHES BELOW TANK TOP.
3. ON DEEPER INSTALLATIONS, PRECAST RISERS MUST BE USED TO EXTEND AERATOR MOUNTING CASTING AND BIO-KINETIC® SYSTEM MOUNTING CASTING TO GRADE.
4. TANK REINFORCED PER ACI STD 318-05.
5. REMOVABLE COVERS ON RISERS WEIGH IN EXCESS OF SEVENTY-FIVE POUNDS EACH TO PREVENT UNAUTHORIZED ACCESS.
6. CONTACT THE LOCAL LICENSED SINGULAR® DISTRIBUTOR FOR ELECTRICAL REQUIREMENTS.

CRITICAL DIMENSIONS			
A	1'-0"	N	0'-3"
B	3'-0"	O	0'-6"
C	3'-4"	P	0'-3"
D	4'-5"	Q	1'-4"
E	3'-7"	R	3'-8"
F	12'-2"	S	5'-0"
G	1'-0"	T	2'-0"
H	4'-0"	U	6'-0"
I	0'-3"	V	
J	0'-3"	W	
K	1'-0"	X	
L	0'-2"	Y	
M	3'-6"	Z	

SEPTIC INVERT CHART	
INV @ HOUSE	407.73
GROUND @ HOUSE	412.00
INV IN SEPTIC TANK	406.97
INV OUT SEPTIC TANK	406.64
TOP OF SEPTIC TANK	407.97
GROUND OVER TANK	411.50
INV IN DIST-BOX	406.25
INV OUT DIST BOX	406.00
GROUND AT DIST-BOX	409.00

NOTES: TOTAL SYSTEM CAPACITY: 1,300 GALLONS
RATED CAPACITY: 600 GALLONS PER DAY PER MANUFACTURER.
ABLE TO SERVICE UP TO FIVE (5) BEDROOMS.

BENCHMARK
ENGINEERS & LAND SURVEYORS & PLANNERS
ENGINEERING, INC.
2400 BALTIMORE NATIONAL PIKE & SUITE 315 & ELLIOTT CITY, MARYLAND 21043
(P) 410-465-6105 (F) 410-465-6644
WWW.BE-CIVILENGINEERING.COM



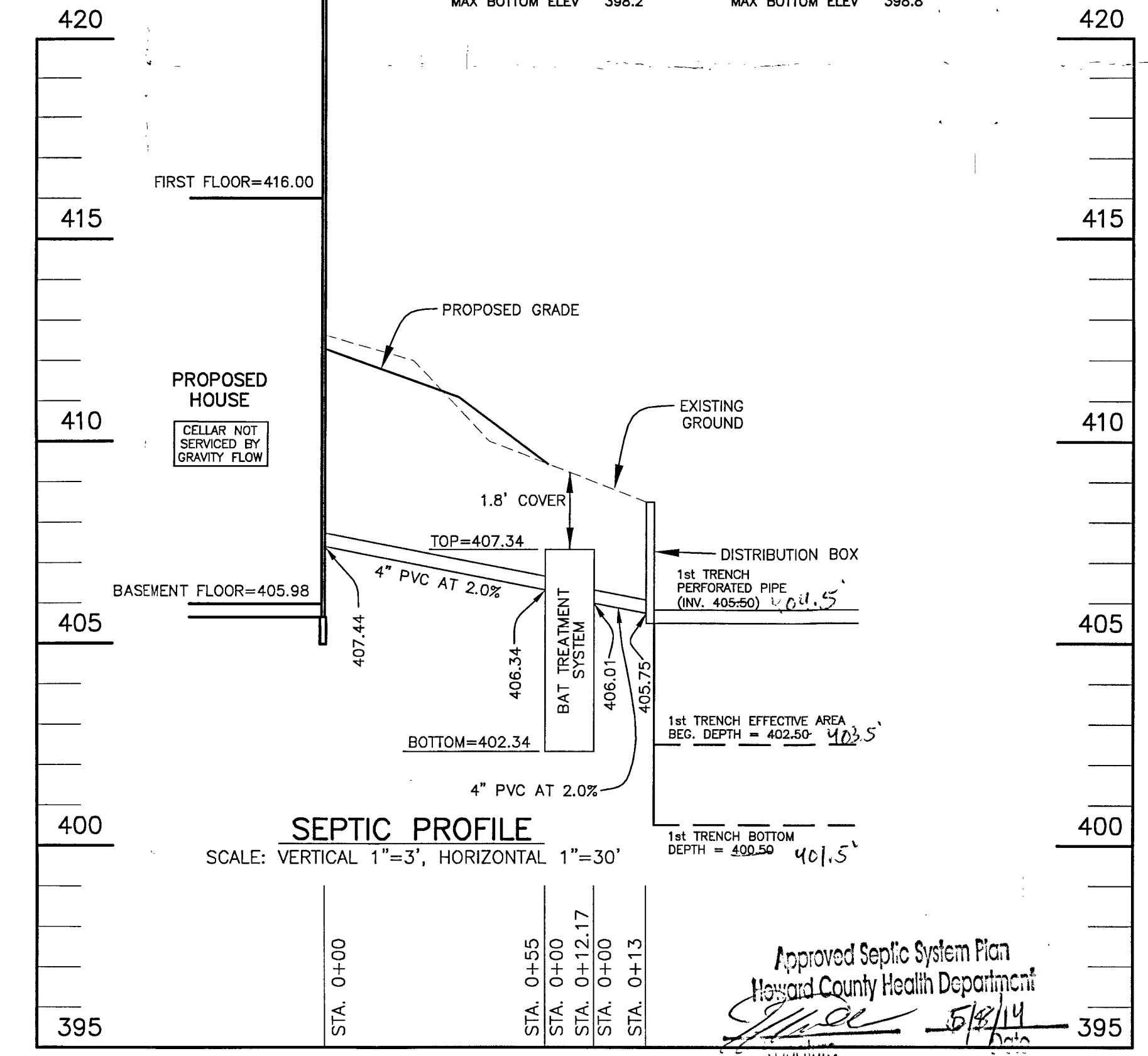
I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DAVID THOMPSON 5/2/14

INITIAL SYSTEM		
Number of Bedrooms	5	
Application Rate	1.2	gpd/sf
Effective Area Beginning Depth	6	ft
Bottom Max Depth	8	ft
Design Flow	750	gpd
Drainage Field square footage	625	sf
Sidewall reduction credit	0.625	
Trench width	3	
Effective Area Depth	2	
Linear Length of trench Required	130	lf

1st REPLACEMENT SYSTEM		
Number of Bedrooms	5	
Application Rate	0.8	gpd/sf
Effective Area Beginning Depth	7	ft
Bottom Max Depth	7	ft
Design Flow	750	gpd
Drainage Field square footage	937.5	sf
Sidewall reduction credit	1.25	
Trench width	3	
Effective Area Depth	0	
Linear Length of trench Required	391	lf

TRENCH INFORMATION			
A	TRENCH LENGTH 65 LF GROUND ELEVATION 408.5 INVERT ELEVATION 404.5 MAX BOTTOM ELEV 401.5	F	TRENCH LENGTH 50 LF GROUND ELEVATION 404.2 INVERT ELEVATION 400.2 MAX BOTTOM ELEV 397.2
B	TRENCH LENGTH 65 LF GROUND ELEVATION 407.8 INVERT ELEVATION 403.8 MAX BOTTOM ELEV 400.8	G	TRENCH LENGTH 50 LF GROUND ELEVATION 407.5 INVERT ELEVATION 403.5 MAX BOTTOM ELEV 400.5
C	TRENCH LENGTH 50 LF GROUND ELEVATION 407.0 INVERT ELEVATION 403.0 MAX BOTTOM ELEV 400.0	H	TRENCH LENGTH 50 LF GROUND ELEVATION 407.0 INVERT ELEVATION 404.0 MAX BOTTOM ELEV 400.0
D	TRENCH LENGTH 50 LF GROUND ELEVATION 406.2 INVERT ELEVATION 402.2 MAX BOTTOM ELEV 399.2	I	TRENCH LENGTH 50 LF GROUND ELEVATION 406.5 INVERT ELEVATION 402.5 MAX BOTTOM ELEV 399.5
E	TRENCH LENGTH 50 LF GROUND ELEVATION 406.2 INVERT ELEVATION 401.2 MAX BOTTOM ELEV 398.2	J	TRENCH LENGTH 50 LF GROUND ELEVATION 405.8 INVERT ELEVATION 401.8 MAX BOTTOM ELEV 398.8



SEPTIC PROFILE
SCALE: VERTICAL 1"=3', HORIZONTAL 1"=30'

THE PRESERVE AT CLARKSVILLE
LOT 15
6287 HEATHER GLEN WAY
CLARKSVILLE, MARYLAND 21029
TAX MAP: 34 GRD: 11 PARCEL: 77
ZONED: RC-DEO ELECTION DISTRICT NO. 5

SITE PLAN FOR BAT INSTALLATION

DATE: MAY 2, 2014 BEI PROJECT NO: 1407-W
SCALE: AS SHOWN SHEET 1 OF 1