

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: 1/10/14

ONSITE SEWAGE DISPOSAL SYSTEM

P 546220

INSTALLATION
 APPROVAL DATE: 5/9/2014

**PERMIT
 CONSTRUCTION**

A 516063

PROPERTY ADDRESS: 6215 Heather Glen Way

SUBDIVISION: Preserve at Clarksville

LOT: 31

TAX ID: 05-448468

CONTRACTOR: Hatfield's Equipment

EMAIL: khatfield@hatfieldsequipment.com

CONTRACTOR ADDRESS: P.O. Box 519, Annapolis Junction, MD 20701

PHONE: 301-490-4289

PROPERTY OWNER: Williamsburg Group, LLC

EMAIL: _____

OWNER ADDRESS: 5485 Harpers Farm Road Suite 200

PHONE: 410-997-5553

BAT UNIT MODEL: Norweco TNTLP

BAT UNIT SIZE: 600GPD

PUMP CHAMBER CAPACITY (GALLONS): _____

PUMP SIZE: _____

NUMBER OF BEDROOMS: 5

HOUSE SQ. FT. +3900

APPLICATION RATE: 1.2

DISTRIBUTION SYSTEM: GRAVITY FED

LOW PRESSURE DOSED

TRENCHES:	LINEAR FEET REQUIRED: <u>130'</u>	INLET DEPTH: <u>3 5</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>3 7</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 layout inspection. Set distribution box per layout inspection. <u>2x65' Trenches</u> Install 130' of trench on contour.	

ISSUED BY: Dana Bernard

ISSUE DATE: 1/10/14

EXPIRATION DATE: 1/10/15

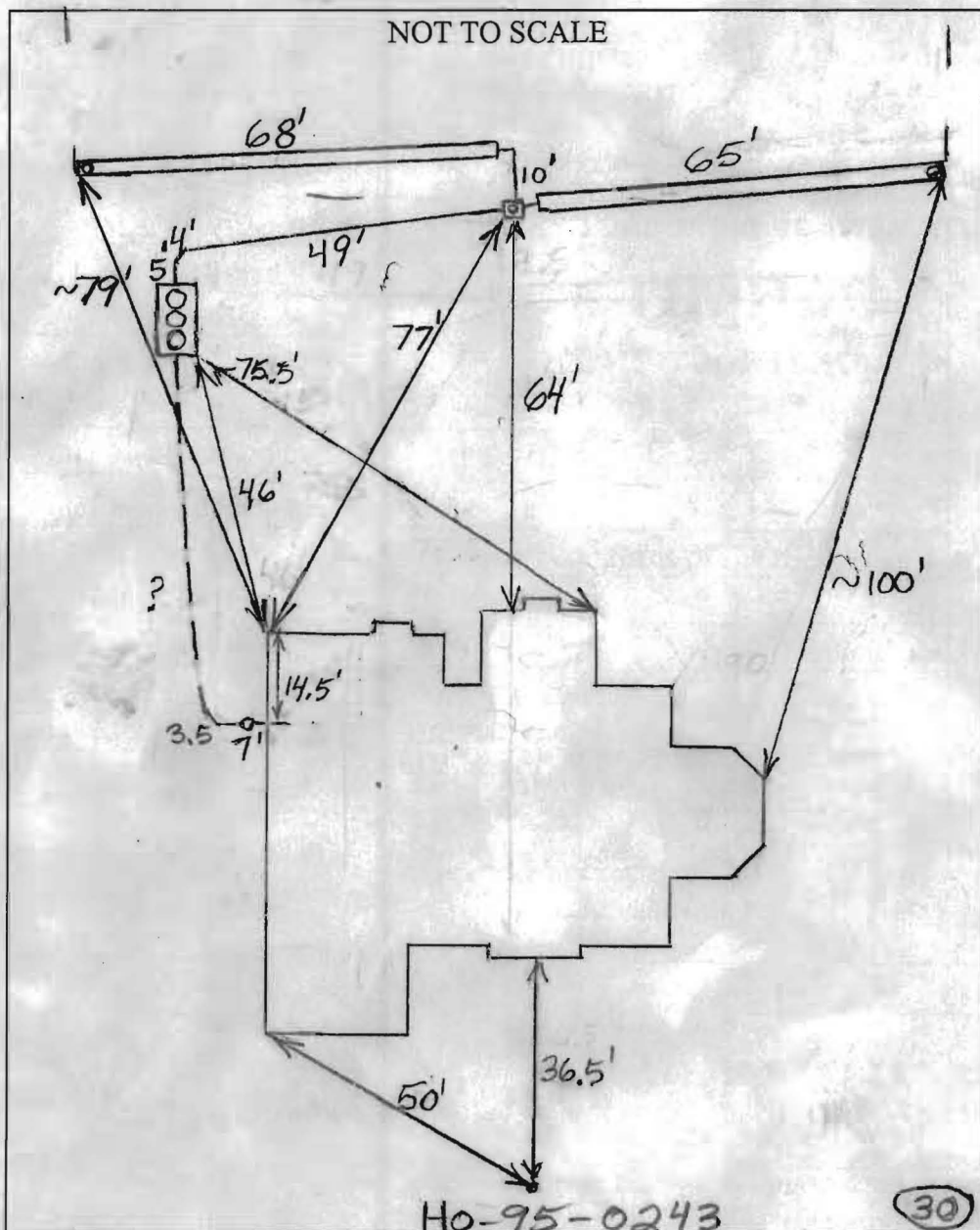
- NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION
- NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING
- NOTE: STONE MUST BE APPROVED BY HEALTH DEPARTMENT AND GRAVEL TICKET MUST BE AVAILABLE FOR REVIEW.
- 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.

NOT TO SCALE



HO-95-0243

TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	5'	7'
NUMBER OF TRENCHES		2
TOTAL LENGTH		133'
ABSORPTION AREA		399 + Sidewall
DISTRIBUTION BOX LEVEL		Yes
DISTRIBUTION BOX BAFFLE		Yes
DISTRIBUTION BOX PORT		Yes

NORWECO SINGULAR TNT	
CAPACITY	1300 GAL
SEAM LOC	Top
TANK LID DEPTH	0.5'-1.5'
BAFFLES	Pre-installed
BAFFLE FILTER	No
MANHOLE LOC	Front, Middle +
6" PORT LOC	None Rear
WATERTIGHT TEST	No
BLOWER TEST	Norweco
BLOWER ALARM TEST	Norweco

PUMP TANK LEVEL	N/A
CAPACITY	_____ GAL
SEAM LOC	_____
TANK LID DEPTH	_____
BAFFLES	_____
MANHOLE LOC	_____
6" PORT LOC	_____
WATERTIGHT TEST	_____
PUMP TEST	_____
PUMP ALARM TEST	_____

PRE-CONSTRUCTION:

2/20/2014 O.K. to use lowest easement area.
 Will have to submit new perc. cert. Install

INSTALLATION: two 65' trenches on contour across the top of the easement.

2/25/2014 Tank set. House connection made. Dist. box set. (BB)

Southern trench installed. (BB)

2/26/2014 Northern trench installed. System finished
 except for BAT unit testing. (BB) 2/27/2014 Test

5/9/2014 BAT unit working correctly per Hatfields.

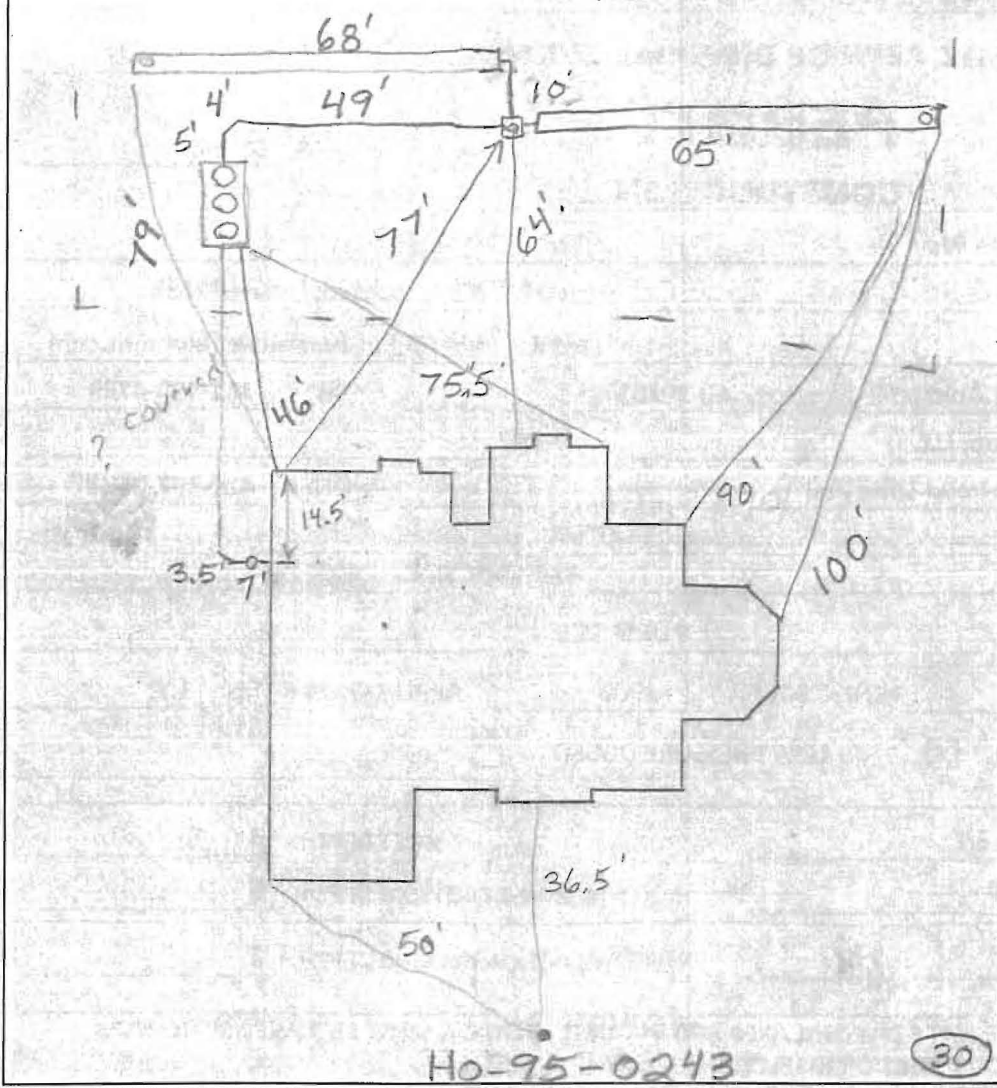
Received approval from Norweco representative. (BB)

FINAL INSPECTOR B. Baber

DATE OF APPROVAL 5/9/2014

NOT TO SCALE

6'
12'3"



HO-95-0243

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PRE-CONSTRUCTION:

2/20/2014

INSTALLATION:

2/25/2014 Tank set. House connection made. Dist. box set.

TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	5'-55"	
NUMBER OF TRENCHES		2
TOTAL LENGTH		
ABSORPTION AREA		
DISTRIBUTION BOX LEVEL		Yes
DISTRIBUTION BOX BAFFLE		Yes
DISTRIBUTION BOX PORT		Yes

NORWECO SINGULAIR TNT	
CAPACITY	_____ GAL
SEAM LOC	Top
TANK LID DEPTH	0.5'-1.5'
BAFFLES	Need front
BAFFLE FILTER	No
MANHOLE LOC	Front/Middle
6" PORT LOC	None Rear
WATERTIGHT TEST	No
BLOWER TEST	_____
BLOWER ALARM TEST	_____

PUMP TANK LEVEL	_____
CAPACITY	_____ GAL
SEAM LOC	_____
TANK LID DEPTH	_____
BAFFLES	_____
MANHOLE LOC	_____
6" PORT LOC	_____
WATERTIGHT TEST	_____
PUMP TEST	_____
PUMP ALARM TEST	_____

FINAL INSPECTOR _____ DATE OF APPROVAL _____

United Site Services Premier Mobile Office (PRE) System

Description of PRE System:

Components:

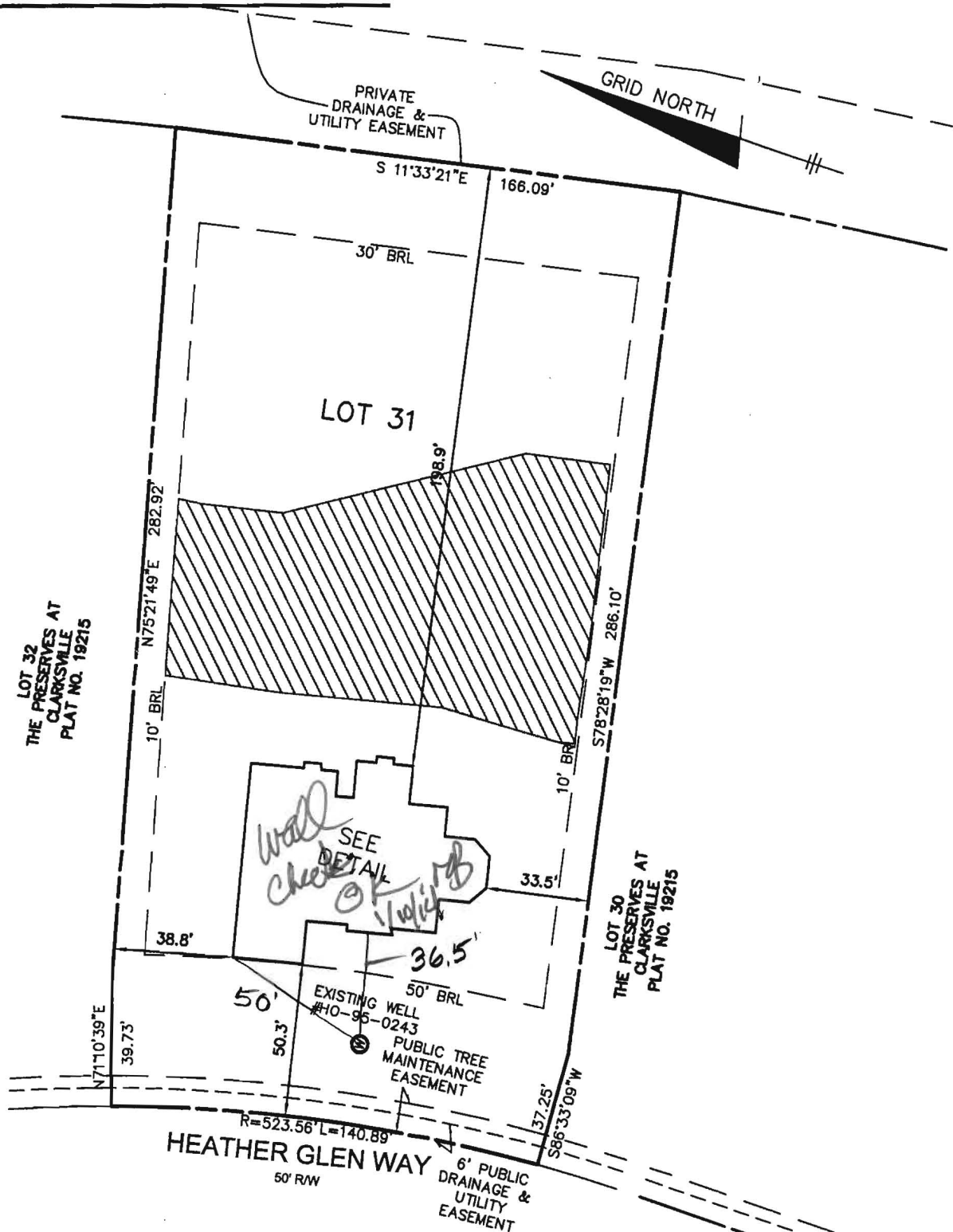
- **Low flow, toilet (ADA Compliant)-replacing existing toilet**
- **110v, supply pump**
- **55gal. Liquid Supply Barrel**
- **60gal. Waste Holding Tank**

During installation, the traditional toilet will be replaced with the low flow style toilet; the pump will be mounted behind the toilet and plugged into a supplied 110v receptacle. The liquid supply barrel and the waste tank will be oriented on the outside of the trailer in close proximity to the waste down pipe. The waste tank will be installed beneath the trailer with no more than 45 degree offsets from the down pipe to allow gravity to carry the waste to the tank.

Service

- **Service technician will evacuate waste tank completely of all solid waste and refill the barrel with non-potable water weekly.**

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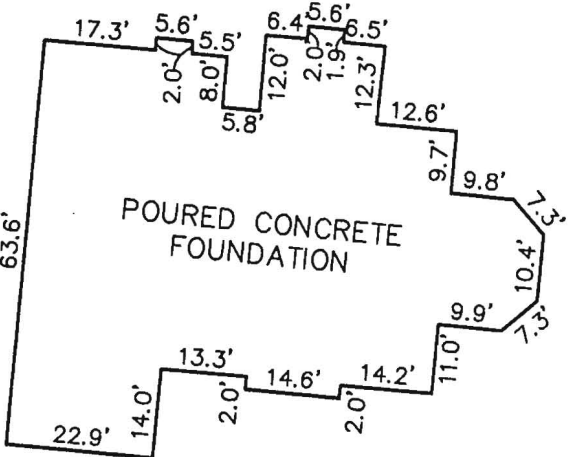


TOP OF FOUNDATION WALL ELEVATION = 465.8'
 OFFSET DIMENSIONS TO PROPERTY LINES ARE ± 0.1'

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 11/05/13.

Donald A. Mason
 DONALD A. MASON
 PROFESSIONAL LAND SURVEYOR
 MD REG. No. 21320
 FOR BENCHMARK ENGINEERING, INC.
 MD REG. No. 351
 FEMA FIRM No. 24027C013D
 ZONE: X
 DATED: 11/06/13



FOUNDATION DETAIL
 SCALE: 1" = 30'

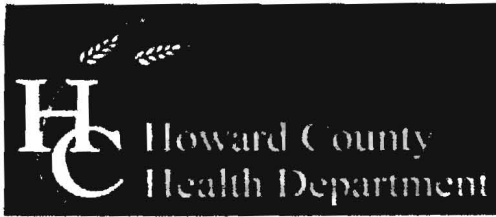
WALL CHECK
THE PRESERVE AT CLARKSVILLE
LOTS 1-32
PLAT No. 19215
LOT No. 31

6215 HEATHER GLEN WAY
 FIFTH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 SCALE: 1" = 50' DATE: 11/05/13



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

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



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

000121

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 29th day of JANUARY, among WILLIAMSBURG GROUP 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 6215 HEATHER GLEN WAY, in the 5th 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.

Handwritten initials and marks on the left margin.

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

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.

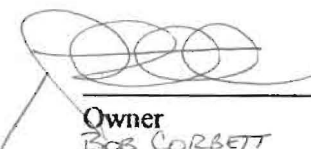
G. This agreement may be voided at any time at the discretion of the County.

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.


1-29-14
Owner Date
BOB CORBETT
WILLIAMSBURG GROUP LLC

Owner Date


2/13/2014
Howard County Health Department

LR - Agreement
Recording Fee 20.00
Grantor/Grantee Name:
bob
Reference/Control #: 121
LR - Agreement Surcharge 40.00
Subtotal: 60.00
Total: 60.00
#2460124-1 03-18 CC13-MN
02/11/2014
#2460124 CC0503 -
Howard Co
Columbia/CC05.03.02 -
Register 02.494

Back River Pre-Cast, LLC

PO BOX 329

Glyndon, MD 21071

Phone # 410-833-3394

Fax # 410-833-4116

Letter of Certification

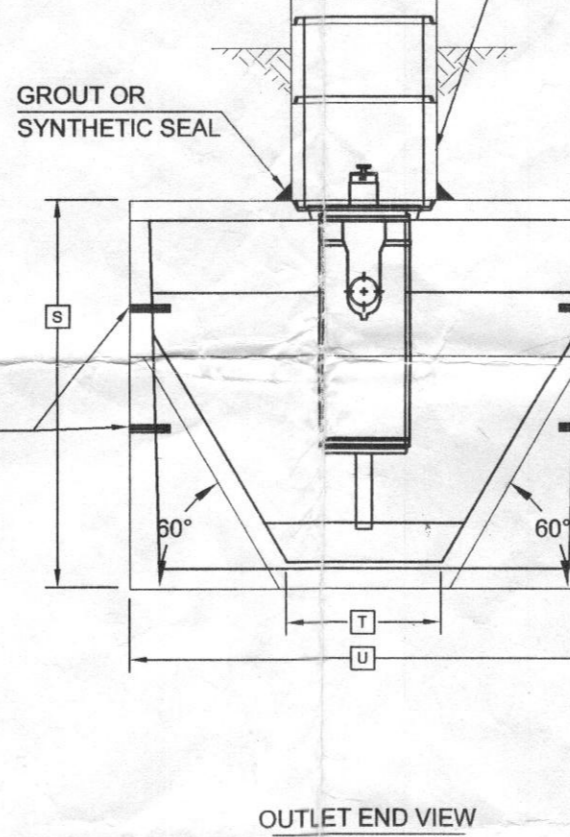
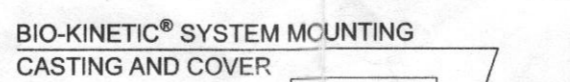
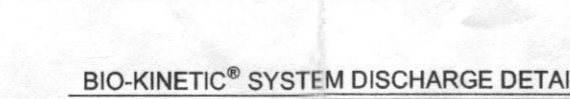
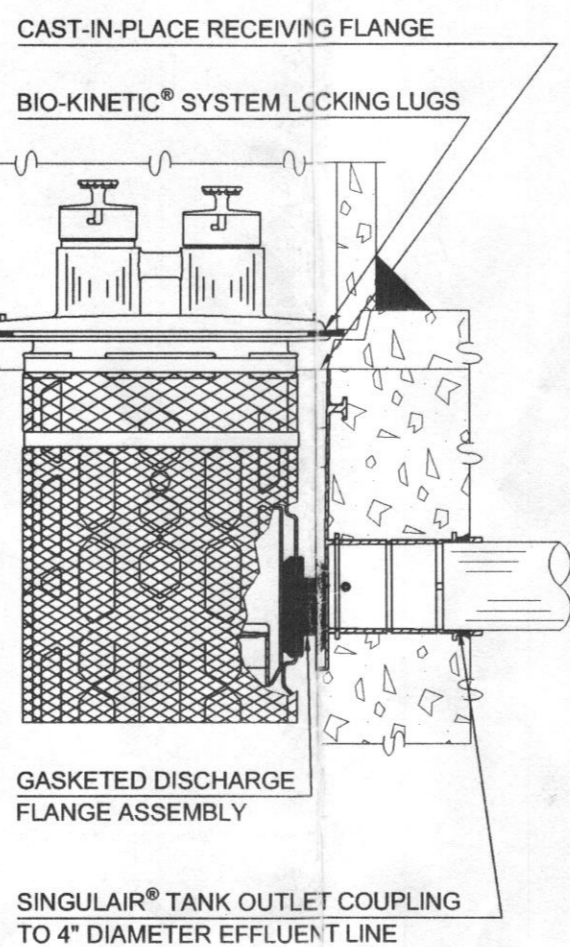
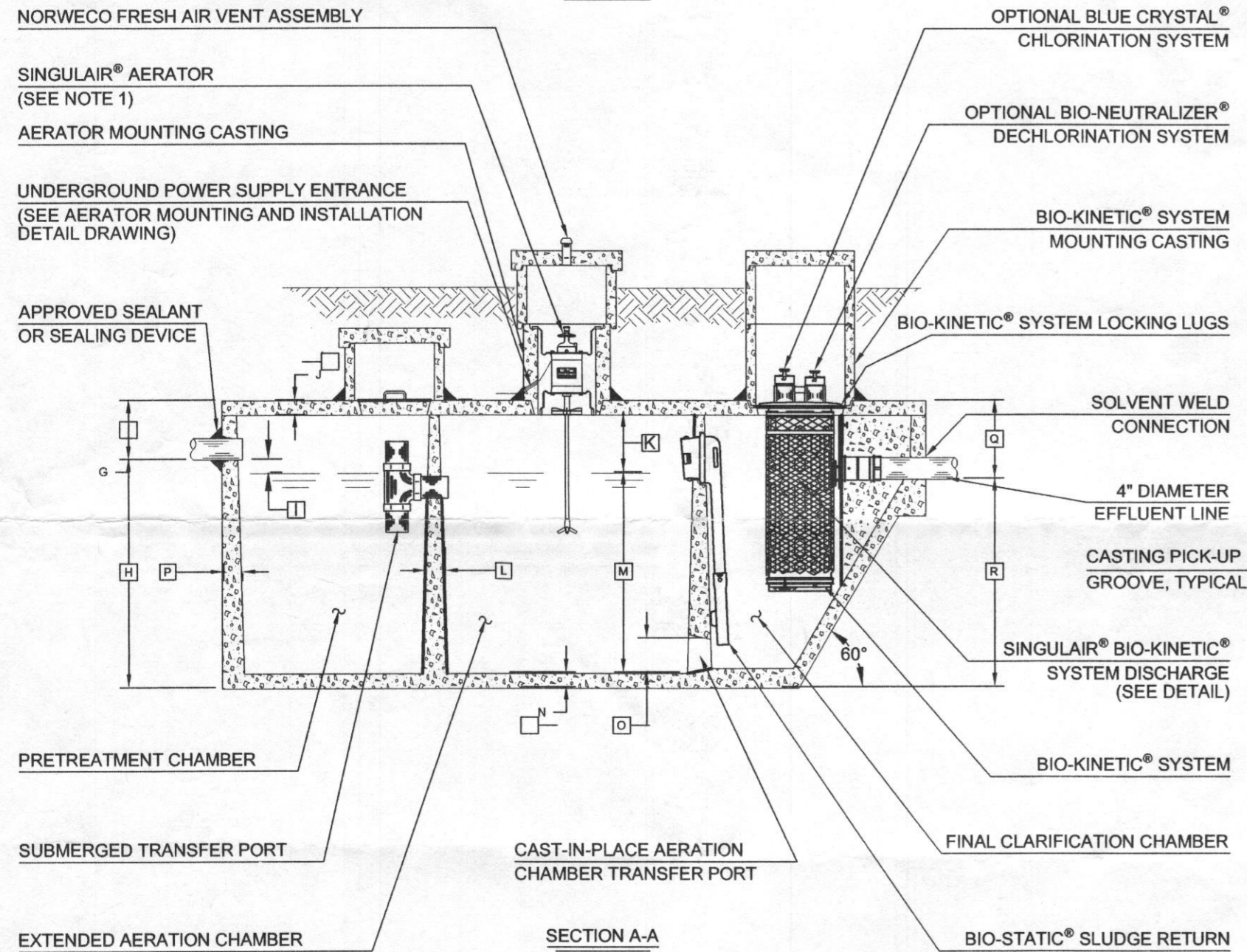
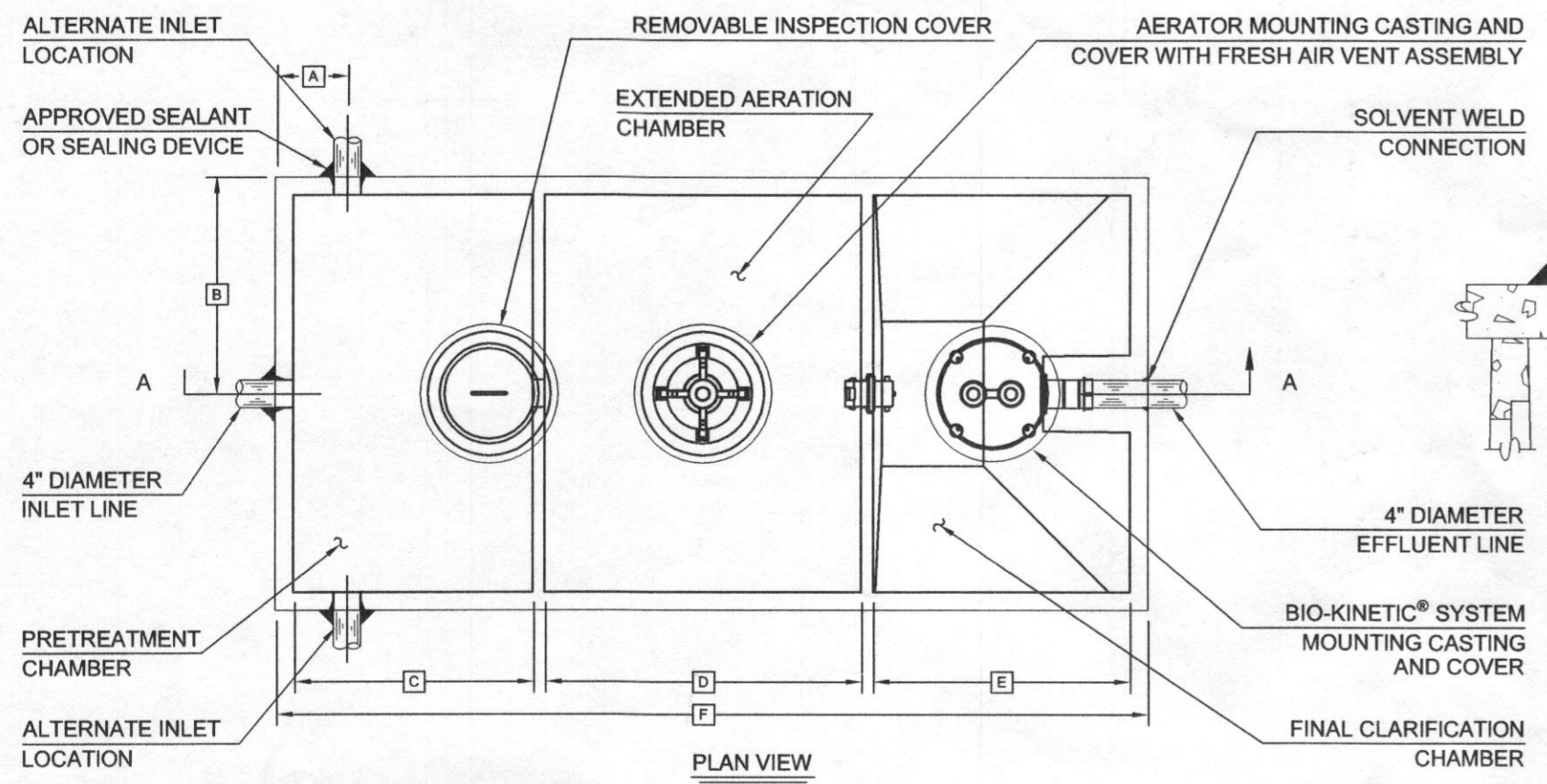
This is to certify that the Norweco Singulair TNT 600 GPD Septic Tank installed at 6215 Heather Glen Way Clarksville, MD 21029 on February 25, 2014 was installed according to the manufacture's specifications.

Installer: Ken Hatfield Jr.



MATTHEW GECKLE

Vice-President



NOTE: TOTAL SYSTEM CAPACITY: 1,300 GALLONS
RATED CAPACITY: 750 GALLONS PER DAY PER MANUFACTURER.

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

Required BAT Site Plan 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 shall be per the manufacturer's specification.
- The blower may not be located further from the tank than the manufacturer's specifications.
- The BAT system shall be maintained and operated for the life of the system.
- The BAT shall be operated 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.

GENERAL NOTES:

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

U.S. AND FOREIGN PATENTS PENDING	norweco	3-26-07	B
	LOW-PROFILE SINGULAIR® BIO-KINETIC® WASTEWATER TREATMENT SYSTEM MODEL TMTLP-600 GPD		BDS
			JMM
			10-16-06
			NTS
			PC-5-7091



THE PRESERVE AT CLARKSVILLE
LOT 31
6215 HEATHER GLEN WAY

BUILDER:
WILLIAMSBURG HOMES, INC
5485 HARPERS FARM ROAD
SUITE 200
COLUMBIA, MARYLAND 21044
410-997-8800

TAX MAP: 34 GRID: 11 PARCEL: 77
ZONED: RR-DEO
ELECTION DISTRICT NO. 5
HOWARD COUNTY, MARYLAND

BAT SITE PLAN

DATE: AUGUST 28, 2013 BEI PROJECT NO: 1407-W
DESIGN: DBT DRAWN: DBT SCALE: AS SHOWN SHEET 1 OF 1

BENCHMARK
ENGINEERS • LAND SURVEYORS • PLANNERS
ENGINEERING, INC.

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