

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: 11/19/15
11/19/16 **ONSITE SEWAGE DISPOSAL SYSTEM** P 557463

APPROVAL DATE: 1/18/17 **PERMIT: CONSTRUCTION** A _____

PROPERTY ADDRESS: 6506 Heather Glen Way

SUBDIVISION: Willow Pond LOT: 1 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: Greenfield Homes EMAIL: _____

OWNER ADDRESS: 6656 Luster Drive, Highland, MD 20777 PHONE: 410-781-6782

NORWECO TNTLP-
 BAT UNIT MODEL: 600GPD PUMP SIZE: 1/2 hp PUMP TANK CAPACITY: 1500

OPERATION & MAINTENANCE AGREEMENT DATE SIGNED: 8/24/15 DATE RECORDED: 8/24/15

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

TRENCHES:	LINEAR FEET REQUIRED: <u>178' 130'</u>	INLET DEPTH: <u>2.5</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>5</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</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.**

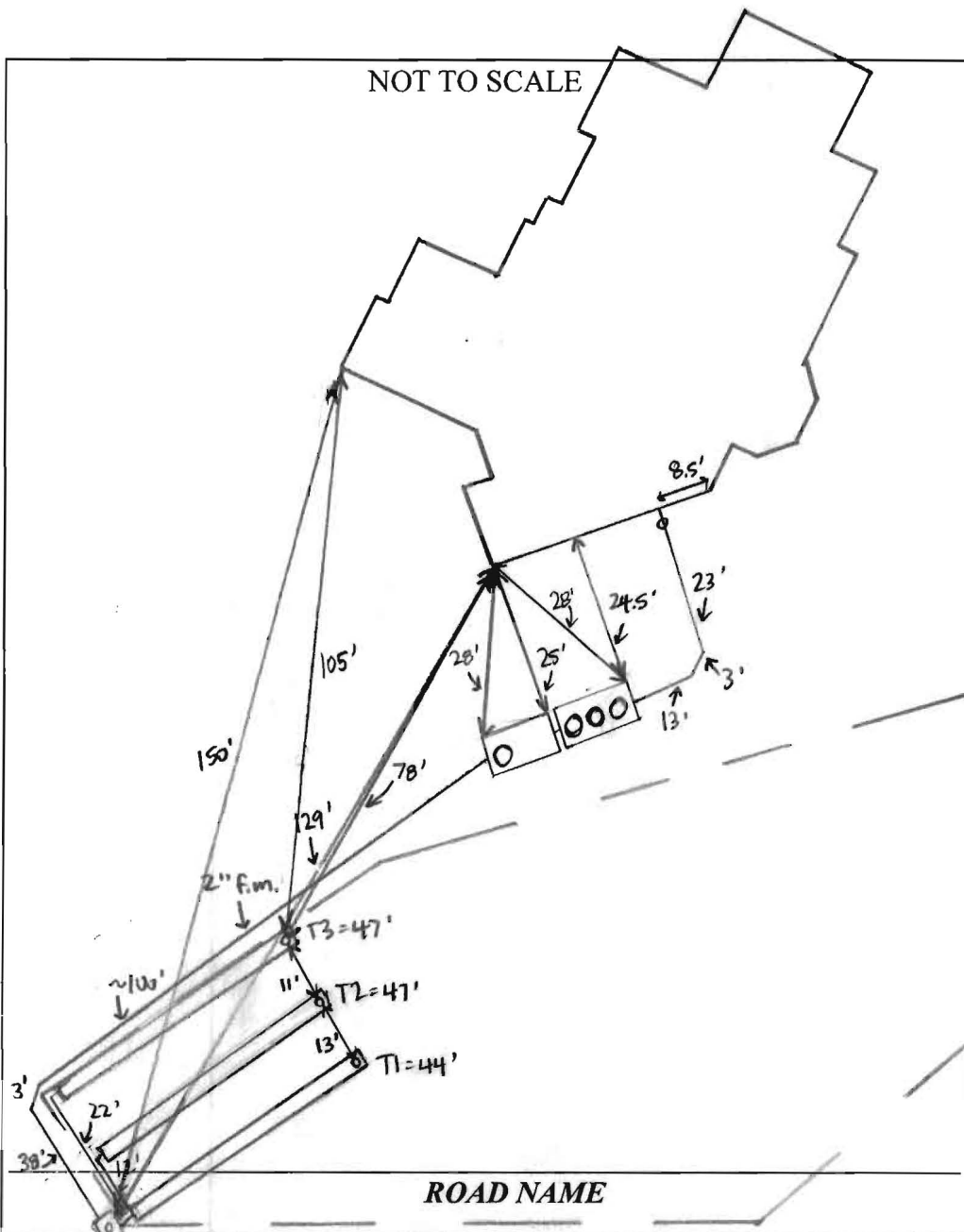
NOTES: 3 x 44' trenches

ISSUED BY: Kevin Wolf ISSUE DATE: 11/19/15 EXPIRATION DATE: 11/19/16

- 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.**

NOT TO SCALE



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	2.5'	5'
NUMBER OF TRENCHES	3	
TOTAL LENGTH	138'	
ABSORPTION AREA	414' + SIDEWALL	
DISTRIBUTION BOX LEVEL	YES	
DISTRIBUTION BOX BAFFLE	ELBOW	
DISTRIBUTION BOX PORT	YES	

SEPTIC TANK DATA	
SEPTIC TANK I LEVEL	YES
MANUFACTURER	BACKRIVER / NORWEGIAN
CAPACITY	1300 GAL
SEAM LOC	TOP
TANK LID DEPTH	2.5 - 3'
BAFFLES	NO
BAFFLE FILTER	NONE
MANHOLE LOC	FRONT, MID, REAR
6" PORT LOC	NONE
WATERTIGHT TEST	NO
SLOTTED	NO
DATE ON LID	10-19-15

PUMP/SEPTIC TANK LEVEL	YES
MANUFACTURER	BACKRIVER
CAPACITY	1500 GAL
SEAM LOC	TOP
TANK LID DEPTH	2.5 - 3'
BAFFLES	YES
BAFFLE FILTER	NONE
MANHOLE LOC	REAR
6" PORT LOC	NONE
WATERTIGHT TEST	NO
SLOTTED	NO
DATE ON LID	10-14-15
Pump:	Meyer MESO 1/2 hp

PRE-CONSTRUCTION:

12/3/15 Met Hatfield's on site for layout. Tanks and SIA corners staked. Laid out 3x44' trenches on contour at northern edge of easement. (SC)

INSTALLATION:

12/9/15 House connection made. BAT and pump tanks installed and connected. Hatfield's currently digging force main - will start trenches tomorrow. (SC) 12/10/15 Trenches complete. T1 + T2 left open at ends, T3 left open. 2' to stone, 3' wide. Some rock hit mid-T2. Can't get more than one measurement to D-box and T3 observation pipe - only foundation is poured and equipment is blocking view to other corners. Need BAT startup certification and pump + alarm test. (SC) 12/11/15 BAT startup certification received. (SC) 1/17/17 Met Hatfield's on site for pump + alarm test. Alarm sounds, pump pumps effluent to D-box. (SC)

FINAL INSPECTOR Sarah Collins DATE OF APPROVAL 1/18/17



Bureau of Environmental Health
 8930 Stanford Boulevard, Columbia, MD 21045 000166
 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
 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 24th day of AUGUST, 2015, among PAUL MASSARO, 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 6506 HEATHER GLEN WAY CLARKSVILLE in the 5th Election District of Howard County, Maryland, tax account number 05-593275.

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 with prior notice 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.
- 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

HOWARD COUNTY CIRCUIT COURT (Land Records). WAR 16401, P. 003, MSA_CE53_16392. Date available 09/02/2015. Printed 11/19/2015.

LIBER 16401 FOLIO 0

16401, P. 003
 MH

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.

Bert Nufan 8/24/2015
Howard County Health Department

Richard Minor 8-24-15
Owner #1 Signature Date

RICK MINOR - AGENT FOR OWNER
Owner #1 Print Name

LR - Agreement
Recording Fee 20.00
Grantor/Grantee Name:
massard
Reference/Control #:
165
Owner #2 Signature Date

LR - Agreement
Surcharge 40.00
SubTotal: 60.00
Owner #2 Print Name

Total: 120.00
08/24/2015 02:48
CCL3-MH
#4739450 CC0503 -

Howard Co
Columbi
#4739450 CC0503 -
Owner #2 Signature Date

LR - Agreement
Recording Fee 20.00
Grantor/Grantee Name:
massard
Reference/Control #:
165
Owner #2 Print Name

Buyer #1 Signature Date
LR - Agreement
Recording Fee 20.00
Grantor/Grantee Name:
massard
Reference/Control #:
165

SubTotal: 60.00
Total: 120.00
08/24/2015 02:48
CCL3-MH
Buyer #1 Print Name

LR - Agreement
Recording Fee 20.00
Grantor/Grantee Name:
massard
Reference/Control #:
165
Buyer #2 Signature Date

SubTotal: 60.00
Total: 120.00
08/24/2015 02:48
CCL3-MH
Buyer #2 Print Name

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 6506 Heather Glen Way, Clarksville, MD 21029 December 08, 2015 was installed according to the manufacture's specifications.

Installer: Jeff Reiter

Property Owner: Paul Massaro

Permit #



MATTHEW GECKLE

Vice-President

Bernard, Dana

From: Bernard, Dana
Sent: Thursday, August 27, 2015 5:01 PM
To: 'rvogel@vogeleng.com'
Subject: 6506 Heather Glen Way

Mr. Vogel,

I will need the BAT plan and the floor plans for this project to review.

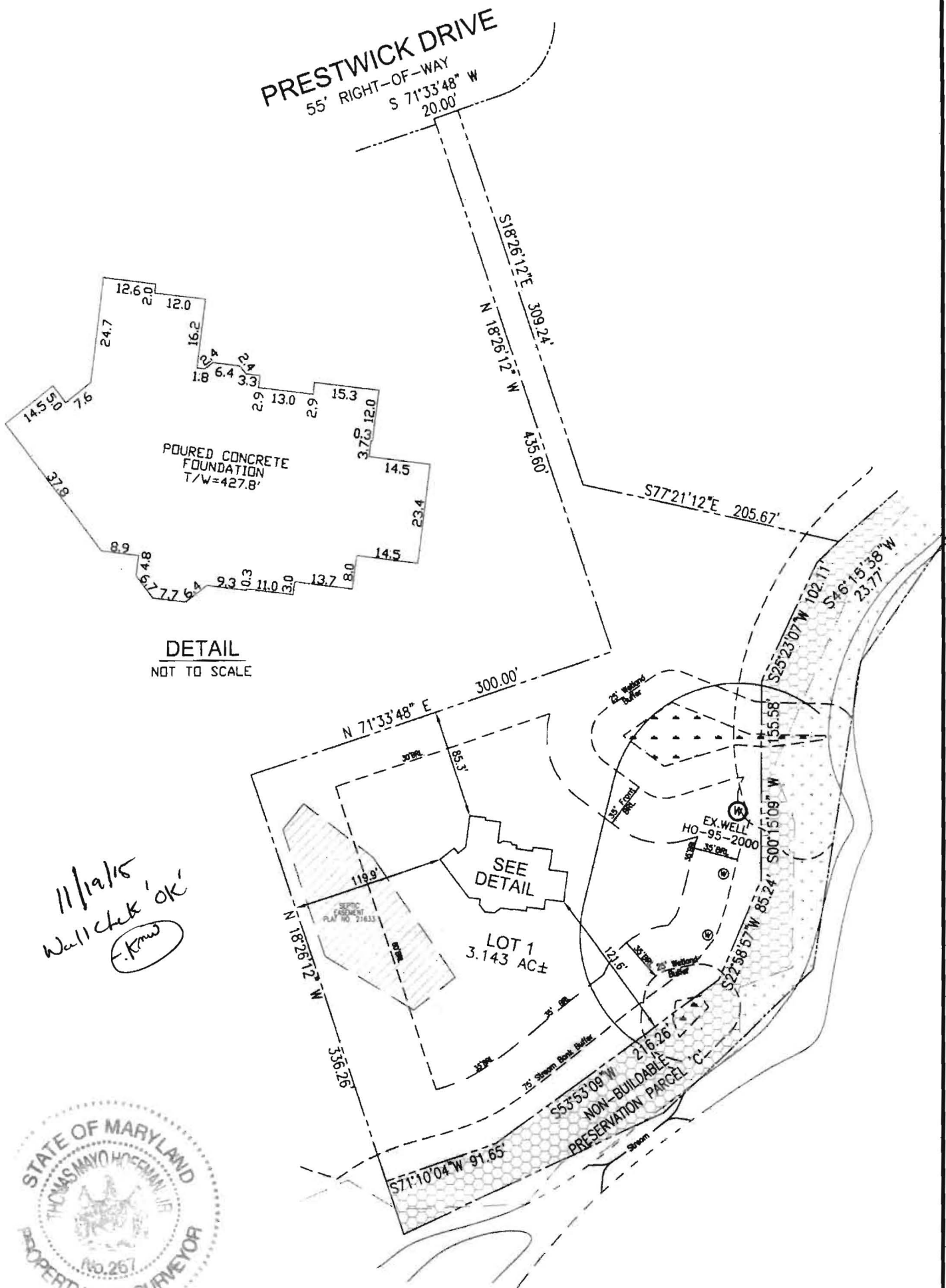
Thank you & Have a*")

,,.,.,,*") ,.,,*")

(.,. (.,.* Wonderful Day !

Dana Bernard, R.E.H.S/L.E.H.S.
Environmental Specialist II
Bureau of Environmental Health
Well and Septic Program
Phone (410) 313-2775
E-mail: DBernard@howardcountymd.gov

THIS WALL CHECK DRAWING CONTAINS A HORIZONTAL TOLERANCE IN ACCURACY OF 0.1' AND A VERTICAL TOLERANCE IN ACCURACY OF 0.2'



DETAIL
NOT TO SCALE

*11/19/15
Wall check 'OK'
T.M.H.*



I HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF THAT THE IMPROVEMENTS ARE LOCATED AS SHOWN AND THERE ARE NO ENCROACHMENTS EXCEPT AS SHOWN.

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROPERTY LINE SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 267, EXPIRATION DATE JULY 28, 2016.

Thomas M. Hoffman Jr. 11-12-15
THOMAS M. HOFFMAN JR., PROPERTY LINE SURVEYOR #267 DATE

SCALE 1" = 100'	DATE 11/06/2015
DRAWN BY B.D.A.	CHECKED BY T.M.H.
PLAT NUMBER 21628-21634	JOB NUMBER 14-33.00

ROBERT H. VOGEL ENGINEERING, INC.
ENGINEERS - SURVEYORS - PLANNERS
8407 MAIN STREET
ELLCOTT CITY, MARYLAND 21043
TEL: 410-461-7666 FAX: 410-461-8961

WALL CHECK DRAWING
PRESTWICK DRIVE
LOT 1
WILLOW POND
PLAT 21633
FIFTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

LOT 1 - 6500 HEATHER GLENWAY

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

The Thomas Dorsey Building
9250 Bendix Road
Columbia, MD 21045
410 313-5953

LR - Agreement Recording Fee
1x 20.00 20.00

Grantor/Grantee Name: massaro
Reference/Control #: 165

LR - Agreement Surcharge
1x 40.00 40.00

LR - Agreement Recording Fee
1x 20.00 20.00

Grantor/Grantee Name: massaro
Reference/Control #: 156

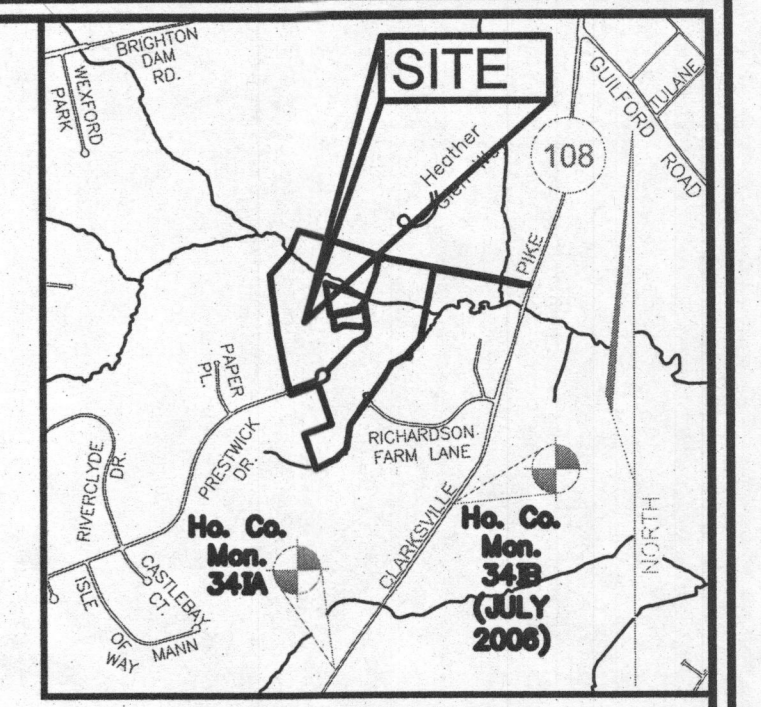
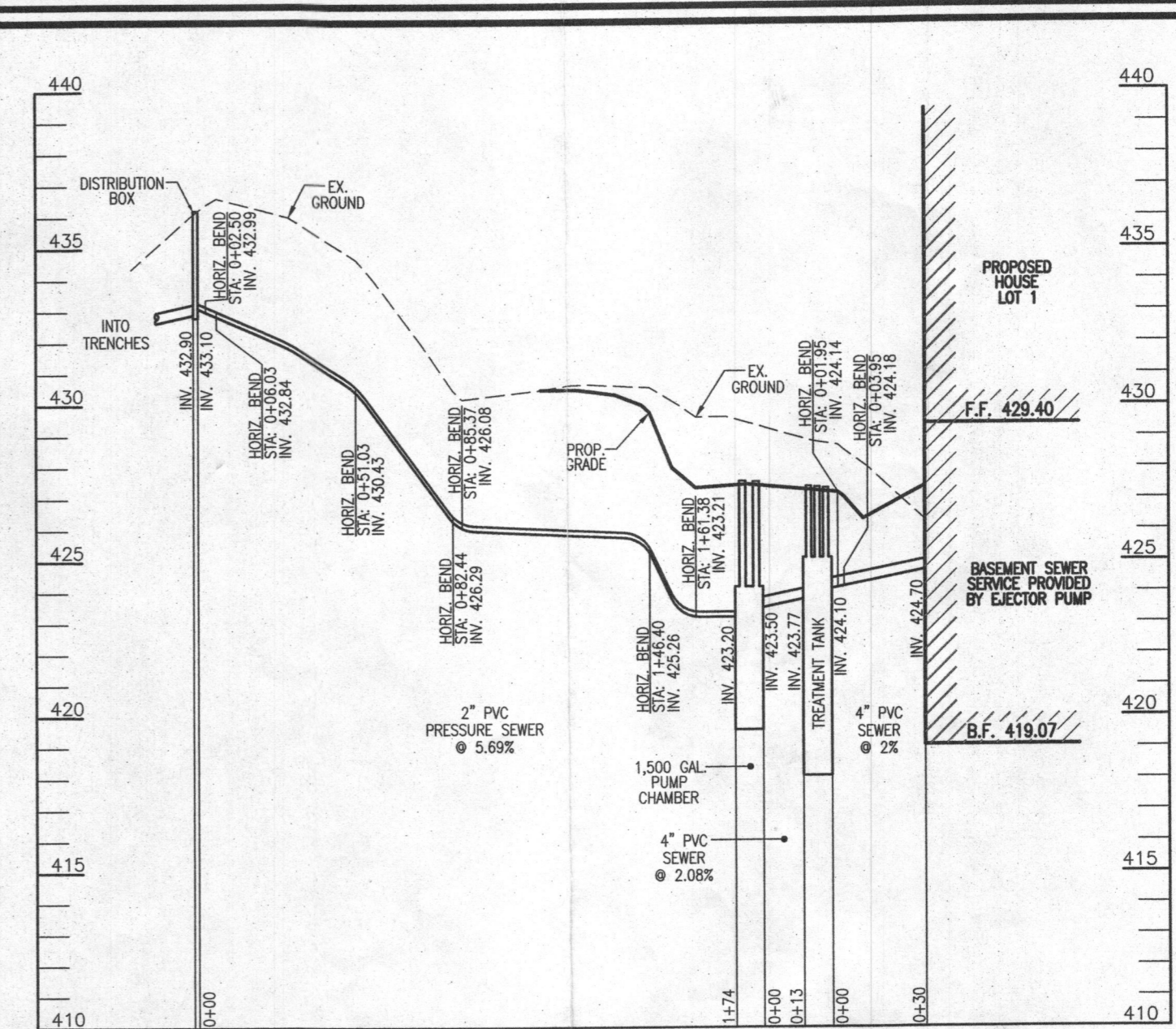
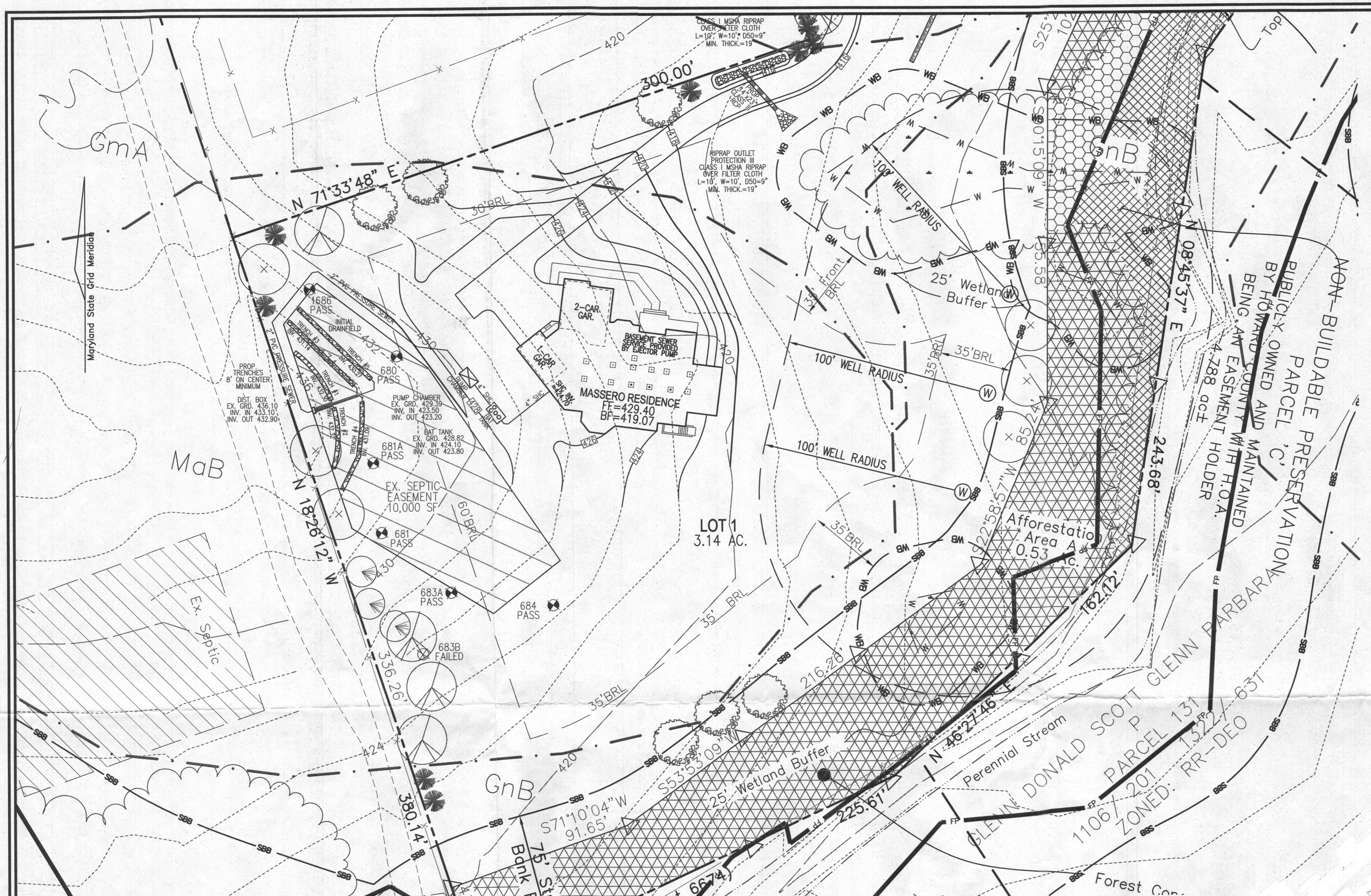
LR - Agreement Surcharge
1x 40.00 40.00

SubTotal: 120.00
Total: 120.00

REV-Check-BOA 120.00
Number : 8797

08/24/2015 14:47 CC13-MH
#4739450 /496/109

Thank you for visiting us today~



LEGEND:

- PROPERTY LINE
- RIGHT-OF-WAY LINE
- ADJACENT PROPERTY LINE
- EXISTING SANITARY MANHOLE
- EXISTING SANITARY LINE
- EXISTING CLEANOUT
- EXISTING FIRE HYDRANT
- EXISTING WATER LINE
- EXISTING 10' CONTOUR
- EXISTING 2' CONTOUR
- SOILS
- EXISTING TREELINE
- PROPOSED TREELINE
- EXISTING WELL
- PROPOSED 10' CONTOUR
- PROPOSED 2' CONTOUR
- PROPOSED SPOT ELEVATION
- FAILED PERC. TEST
- PASSED PERC. TEST
- PROP. REPLACEMENT WELL
- EXISTING WELL FIELD LOCATED
- APPROVED SEPTIC AREA

1500 Gallon Tank

Outside to Outside Dia
 Inside to Inside Dia
 Inside Cross Section

9'0" x 6'0"
 8'8" x 5'3"
 Below: 45.65'

Flow
 $100 \text{ LF} \times 2(7) + 7(4) = 222' \quad (370/100) = 3.84'$

Flow
 $125/7.46 = 16.7 \text{ A}^2$
 $16.7 \text{ A}^2 / 66.65 = 0.25'$

Pump Selection
 Flow
 $100 \text{ LF} \times 2(7) + 7(4) = 222' \quad (370/100) = 3.84'$

Flow
 $125/7.46 = 16.7 \text{ A}^2$
 $16.7 \text{ A}^2 / 66.65 = 0.25'$

Flow
 $100 \text{ LF} \times 2(7) + 7(4) = 222' \quad (370/100) = 3.84'$

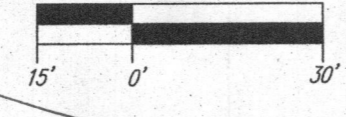
Flow
 $125/7.46 = 16.7 \text{ A}^2$
 $16.7 \text{ A}^2 / 66.65 = 0.25'$

TRENCH INFO

TRENCH	LENGTH	INVERT	BOTTOM OF TRENCH	EXISTING GROUND
1	30'	432.30	430.30	435.30
2	30'	432.32	430.32	435.32
3	45'	431.14	429.14	434.14
4	45'	431.09	429.09	434.09
5	50'	430.27	428.27	433.27

THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS EASEMENT ARE RESTRICTED. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A REVISED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

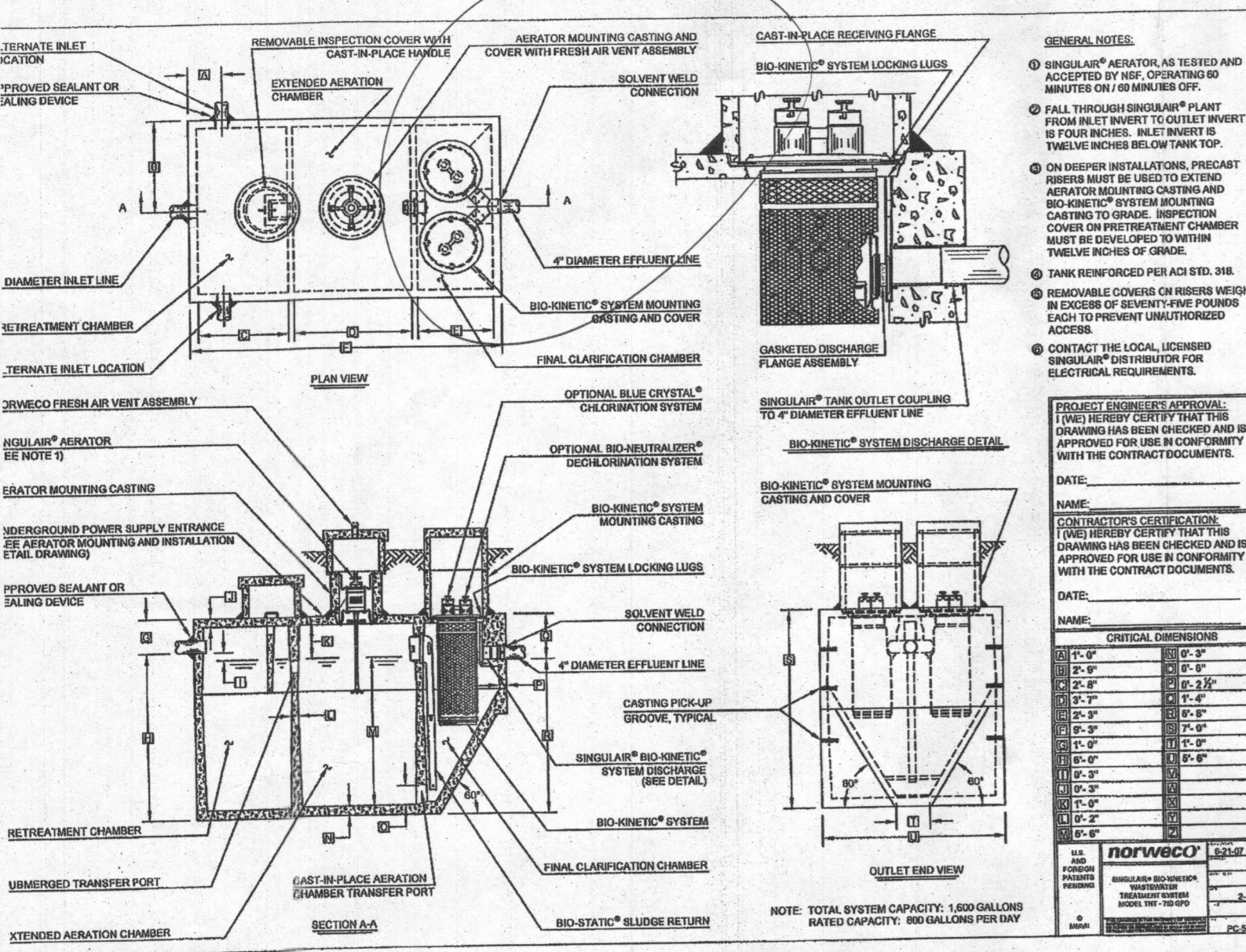
BAT PLAN
 SCALE: 1"=30'



Please Note

* TNT 600 or TNT 1000 not TNT 750

2.83' x 2.17'



INITIAL SYSTEM AND 1ST REPLACEMENT TRENCH DETAIL
 NOT TO SCALE

SYSTEM CALCULATIONS:
 INITIAL SYSTEM AND FIRST REPLACEMENT SYSTEM:
 5 BEDROOMS AT 75 GPD / 1.2 ABSORPTION RATE = 625 SQ. FT.
 625 SQ. FT. / 2 (TRENCH WIDTH) x 57 (SIDEWALL REDUCTION) = 178 LINEAR FEET
 200 TOTAL LINEAR FEET OF TRENCH ARE PROVIDED WITH THE INITIAL SYSTEM.

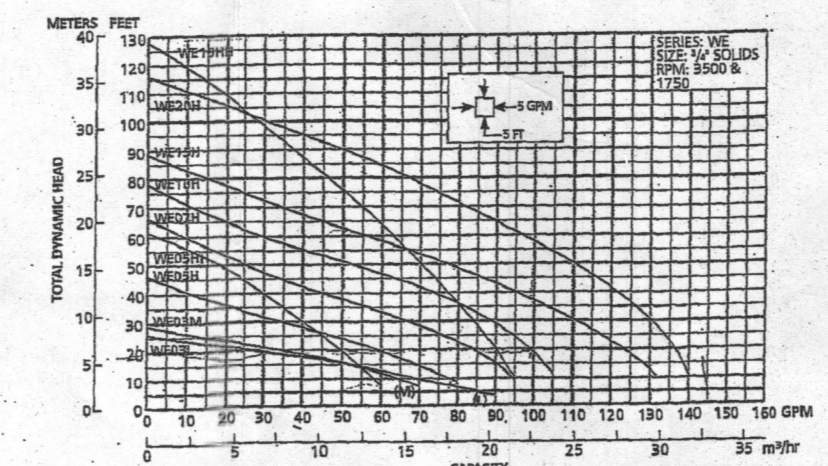
ITT

APPLICATIONS
 Specifically designed for the following uses:
 • Homes, Farms, Trailer Courts, Motels, Schools, Hospitals, Industry, Efficient Systems

INSTALLATION
 Pump
 • Solids handling capabilities: 1/2" maximum.
 • Discharge size: 2" NPT.
 • Capacity: up to 140 GPM.
 • Total head: up to 125 feet TDH.
 • Temperature: 50°F to 140°F.
 • 1/2" NPT connections.
 • 1/2" NPT connections.
 • See order numbers on reverse side for specific: 1/2" voltage, phase and RPM's available.

NOTES
 • Tank manufactured in high-grade stainless steel for long life and efficient heat transfer.
 • Class B insulation on 1/2" NPT models.
 • Class C insulation on 1" HP models.
 • O-ring assures positive sealing against contaminants and oil leakage.

AGENCY LISTINGS
 Single phase 150 HP:
 • Capacitor start motors for maximum starting torque.
 • Built-in overload with automatic reset.
 • STOW or STOW reverse duty oil and water resistant power cords.



Approved Septic System Plan
 Howard County Health Department
Carla Burdard
 1315003395

GOULDS PUMPS
 Wastewater

GENERAL 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. NO BLOWER IS REQUIRED. THE NORWECO WASTEWATER TREATMENT SYSTEM HAS AN AERATOR MOUNTED IN THE TANK.
4. THE BAT SYSTEM SHALL BE MAINTAINED AND OPERATED FOR THE LIFE OF THE SYSTEM.
5. THE BAT SHALL BE OPERATED BY AND MAINTAINED BY A CERTIFIED SERVICE PROVIDER.
6. 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.
7. ELECTRICAL WORK FOR THE BAT INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
8. AN AGREEMENT AND EASEMENT MUST BE COMPLETED AND SIGNED BY ALL APPLICABLE PARTIES, AND RECORDED IN THE LAND RECORDS OF HOWARD COUNTY.
9. THE HEALTH DEPARTMENT REQUIRES DOCUMENTATION FOR THE START-UP CERTIFICATION FROM THE MANUFACTURER PRIOR TO FINAL APPROVAL OF THE INSTALLATION.

SITE PLAN FOR BAT INSTALLATION
WILLOW POND - LOT 1
 6506 HEATHER GLEN WAY
 (FORMERLY PRESTWICK DRIVE)
 CLARKSVILLE, MD 21029

BUILDING PERMIT #

5TH ELECTION DISTRICT
 TAX MAP: 34 PARCEL: 444
 DPZ REF'S: F-10-106, F-08-13, F-96-170, F-89-112, F-87-174,
 F-79-115, SP-09-03, SP-07-011, VP-87-103, WP-09-62, PLAT 7288

BLOCK: 17
 ZONED: RR-DEO
 HOWARD COUNTY, MARYLAND

OWNER
 ROBERT L. NAECKER
 12740 ROUTE 108
 CLARKSVILLE, MD 21029
 (410) 781-6782

DEVELOPER
 GREENFIELD HOMES, INC.
 6656 LUSTER DRIVE
 HIGHLAND, MARYLAND 20777
 (410) 781-6782

ROBERT H. VOGEL ENGINEERING, INC.
 ENGINEERS • SURVEYORS • PLANNERS
 8407 MAIN STREET
 ELICOTT CITY, MD 21043
 TEL: 410.461.7666
 FAX: 410.461.8961

PROFESSIONAL CERTIFICATE
 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. 161893 EXPIRATION DATE: 08-27-2016

DESIGN BY: RHV
 DRAWN BY: JMR
 CHECKED BY: RHV
 DATE: MAY 2015
 SCALE: AS SHOWN
 W.O. NO.: 14-33

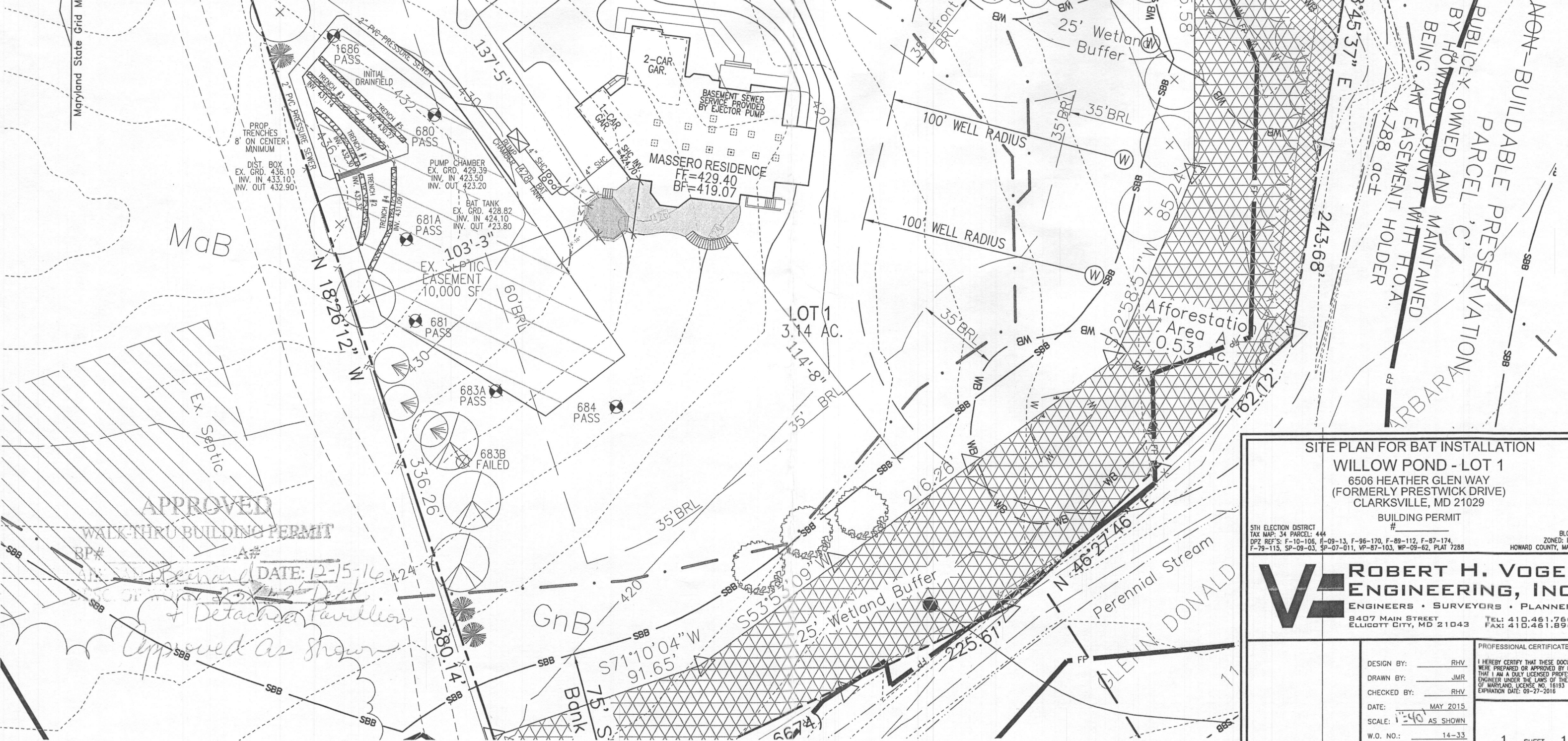
1 SHEET OF 1

SCALE 1"=40'

GmA

Maryland State Grid Meridian

MaB



PROP TRENCHES 8' ON CENTER MINIMUM
 DIST. BOX EX. GRD. 436.10
 INV. IN 433.10
 INV. OUT 432.90

PUMP CHAMBER
 EX. GRD. 429.39
 INV. IN 423.50
 INV. OUT 423.20

BAT TANK
 EX. GRD. 428.82
 INV. IN 424.10
 INV. OUT 423.80

EX. SEPTIC EASEMENT 10,000 SF

681 PASS

683A PASS

683B FAILED

684 PASS

336.26'

380.14'

380.14'

380.14'

380.14'

380.14'

380.14'

RIPRAP OUTLET PROTECTION III
 CLASS 1 MSHA RIPRAP
 OVER FILTER CLOTH
 L=10', W=10', D50=9"
 MIN. THICK.=19"

SITE PLAN FOR BAT INSTALLATION

WILLOW POND - LOT 1

6506 HEATHER GLEN WAY
 (FORMERLY PRESTWICK DRIVE)
 CLARKSVILLE, MD 21029

BUILDING PERMIT #

5TH ELECTION DISTRICT
 TAX MAP: 34 PARCEL: 444
 DPZ REF'S: F-10-106, F-09-13, F-96-170, F-89-112, F-87-174, F-79-115, SP-09-03, SP-07-011, VP-87-103, WP-09-62, PLAT 7288

BLOCK: ZONED: RR-1
 HOWARD COUNTY, MARYL

ROBERT H. VOGEL ENGINEERING, INC.
 ENGINEERS • SURVEYORS • PLANNERS
 8407 MAIN STREET TEL: 410.461.7666
 ELLICOTT CITY, MD 21043 FAX: 410.461.8961

DESIGN BY: RHV
 DRAWN BY: JMR
 CHECKED BY: RHV
 DATE: MAY 2015
 SCALE: 1"=40' AS SHOWN
 W.O. NO.: 14-33

PROFESSIONAL CERTIFICATE
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 16193, EXPIRATION DATE: 09-27-2016

APPROVED WALK-THRU BUILDING PERMIT
 DATE: 12-15-16
 Approved as shown

NON-BUILDABLE PRESERVATION PARCEL 'C'
 PUBLICLY OWNED AND MAINTAINED BY HOWARD COUNTY BEING AN EASEMENT WITH H.O.A. BARBARA DONALD 4.288 ac

Afforestation Area A 0.53 ac

LOT 1 3.14 AC.