

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: 11/2/14 **ONSITE SEWAGE DISPOSAL SYSTEM** P 559828-B

APPROVAL DATE: 12/22/16 **PERMIT: CONSTRUCTION** A _____

PROPERTY ADDRESS: 5004 Bee Frances Way

SUBDIVISION: Greenberry LOT: 1 TAX ID: 05-598664

CONTRACTOR: South Carroll Backhoe EMAIL: scbackhoe@comcast.net

CONTRACTOR ADDRESS: 4410 Salem Bottom Road PHONE: 410-596-3618

CONTRACTOR CERTIFIED FOR BAT INSTALLATION: MDE MANUFACTURER:

PROPERTY OWNER: NVR Inc. EMAIL: _____

OWNER ADDRESS: 9720 Patuxent Woods Road PHONE: 410-379-5956

BAT UNIT MODEL: Hoot H-1000A PUMP SIZE: 0.4 PUMP TANK CAPACITY: 2000

OPERATION & MAINTENANCE AGREEMENT DATE SIGNED: 10/14/16 DATE RECORDED: 10/19/16

DISTRIBUTION SYSTEM: GRAVITY PRESSURE DOSED BEDROOMS: 6 APPLICATION RATE: 1.2

TRENCHES:	LINEAR FEET REQUIRED: <u>155</u>	INLET DEPTH: <u>3</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>

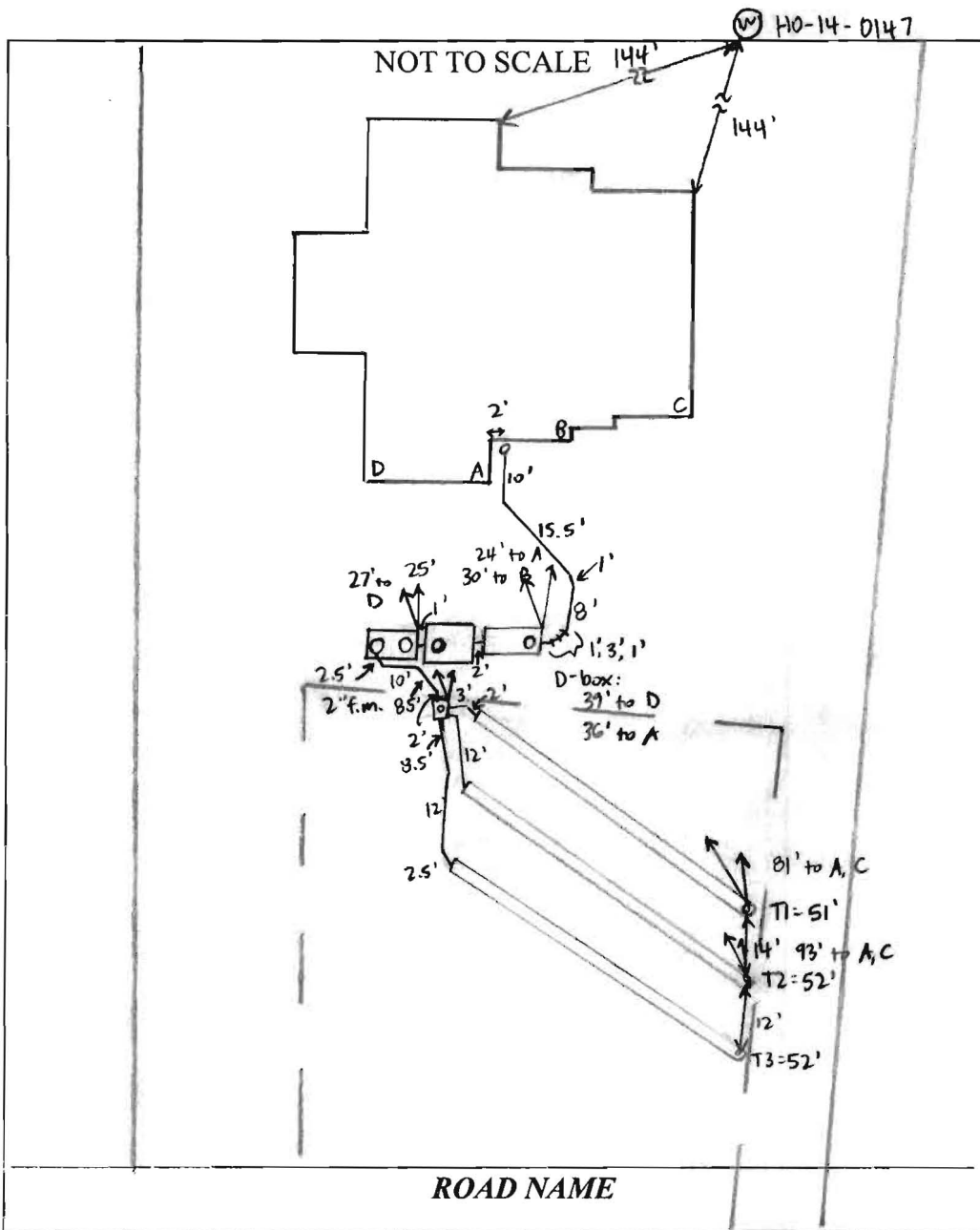
LOCATION: **PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND BAT UNIT LOCATION MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.**

NOTES:

ISSUED BY: Robert Bricker ISSUE DATE: 11/2/16 EXPIRATION DATE: 11/2/17

- 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 16005344
- 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.**



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	3'	5'
NUMBER OF TRENCHES		3
TOTAL LENGTH		155'
ABSORPTION AREA		465' + SIDEWALL
DISTRIBUTION BOX LEVEL		YES
DISTRIBUTION BOX BAFFLE		ELBOW
DISTRIBUTION BOX PORT		YES

SEPTIC TANK DATA	
SEPTIC TANK I LEVEL	YES
MANUFACTURER	MAYER BROS. / HOOT
CAPACITY	1000 GAL
SEAM LOC	TOP
TANK LID DEPTH	1.5 - 2'
BAFFLES	YES
BAFFLE FILTER	NO
MANHOLE LOC	FRONT
6" PORT LOC	NONE
WATERTIGHT TEST	NO
SLOTTED	NO
DATE ON LID	---
PUMP/SEPTIC TANK LEVEL	YES
MANUFACTURER	HOOT / MAYER BROS.
CAPACITY	1000 ^③ / 6000 ^③ GAL
SEAM LOC	TOP
TANK LID DEPTH	② 2 - 2.5' / ③
BAFFLES	NO ^③ / YES ^③
BAFFLE FILTER	NO
MANHOLE LOC	REAR ^③ / FRONT + REAR ^③
6" PORT LOC	NONE
WATERTIGHT TEST	NO
SLOTTED	NO
DATE ON LID	---

PRE-CONSTRUCTION:

11/28/16 S. Carroll digging tank holes. Stake for first tank present. Will layout trenches after tank install + dirt is moved from upper edge of septic area. (SC) 11/28/16 On site for layout of trenches. Shot contour and laid out 3x52' trenches, kept in SDA portion further from driveway, SDA corner stakes all present. (SC)

INSTALLATION: 11/28/16 Trash and Hoot tanks set. S. Carroll digging hole for pump tank. (SC)

T1 + T2 complete, T1 left open at ends and T2 left open. Pump tank set. (SC) 12/2/16
 T3 finished + left open. 2.5' to stone, 3' wide. (SC) 12/5/16 D-box installed and connected to tank + trenches. Tanks filled with water + no apparent leaks. Pipe run from house to tank - need house connection. Need BAT startup certification. (SC) 12/21/16 House connection made, no inspection before backfill. On site for Hoot startup. Alarm sounds, pump pumps effluent to D-box. Recirculation not working during site visit, but contractor called later that day to say it's now fixed. (SC) 12/22/16 BAT startup certification received. (SC)

FINAL INSPECTOR Sarah Collins DATE OF APPROVAL 12/22/16

Letter of Satisfaction

Hoot System Installation

Address of Property: 5004 Bee Frances Way
Clarksville, MD. 21029

Date of Final Inspection: 12/29/16

Installer: South Carroll Backhoe Service

Hoot Technician/Inspector: Mike Sample

I hereby certify that the Hoot system installed at the property listed above has been installed according to proper Hoot installation practices. I have also verified the startup of the system and it is in proper working order.

Sincerely,

H. Michel Sample

Name of Inspector
Mayer Bros., Inc.

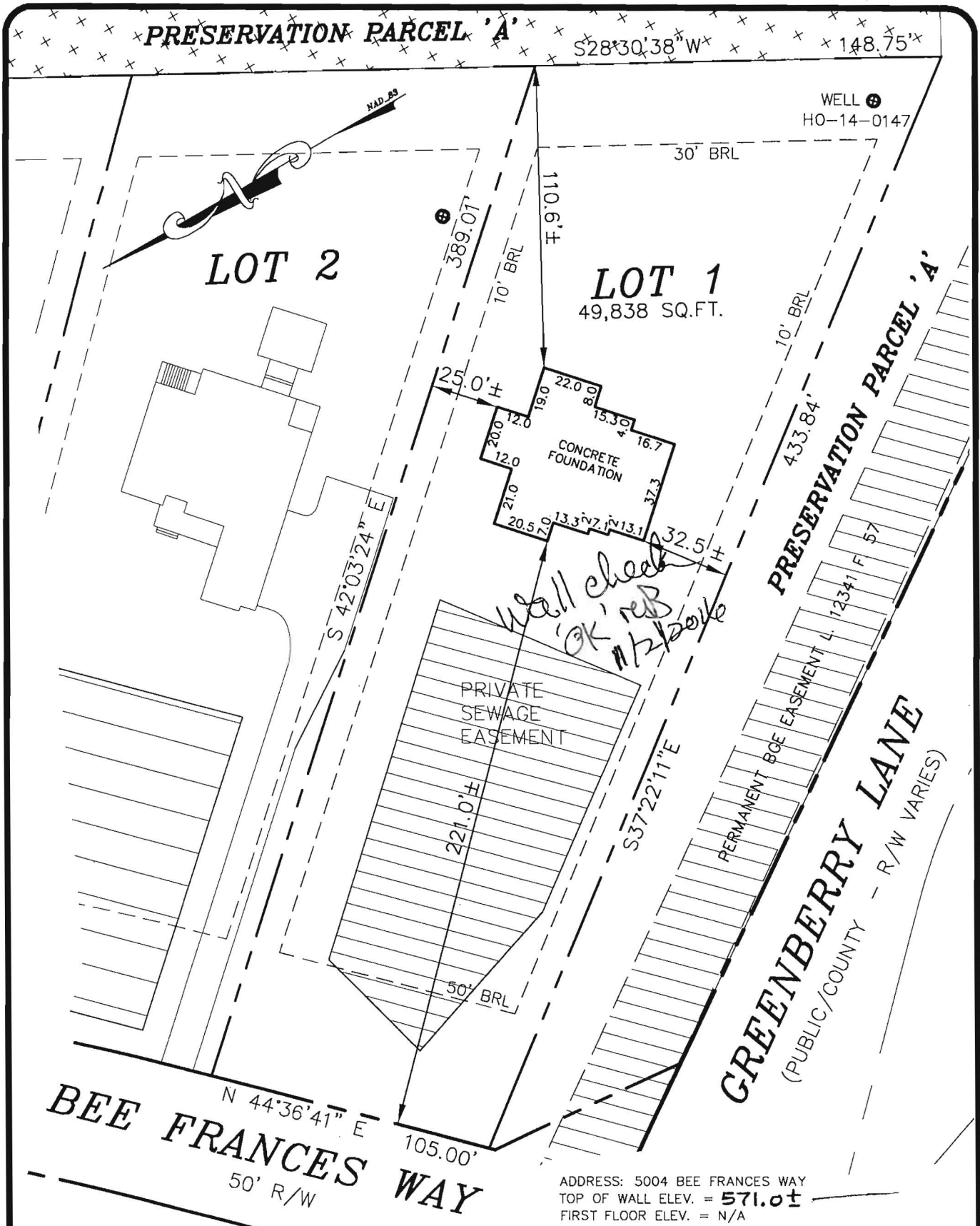
PH: 410-796-1434

WBE

FX: 410-796-1438

www.mayerbrosprecast.com

Grease Interceptors, Grease Solutions, Aerobic Treatment Units, Septic Tanks, Holding Tanks, Storm Water Structures, Hydroceptors,
Bench Barrier, Water Meter Vaults, Sectional Valve Vaults, Top Slabs, Curb Heads, Curb Bumpers,
Custom Precast Products



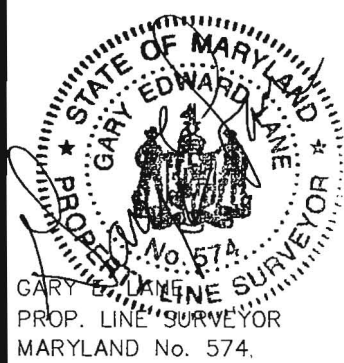
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROPERTY LINE SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 574, EXPIRATION DATE: 03/21/17.

THE INFORMATION SHOWN HAS BEEN ESTABLISHED BY CURRENT ACCEPTABLE SURVEY PROCEDURES AND FROM AVAILABLE RECORD INFORMATION. THIS DRAWING IS TO BE USED FOR TITLE TRANSFER FINANCING, OR REFINANCING ONLY AND IS NOT TO BE USED FOR THE ESTABLISHMENT OF PROPERTY LINES, LOCATION OF FENCES, GARAGES, BUILDINGS, OR OTHER EXISTING OR FUTURE IMPROVEMENTS.

LOT 1
GREENBERRY

PLATS 23453-23461
 ELECTION DISTRICT No. 5
 HOWARD COUNTY, MARYLAND

MILDENBERG BOENDER, & ASSOC., INC.
 Engineers Planners Surveyors
 7350-B Grace Drive, Columbia, MD 21044
 (410) 997-0296 Balt. (410) 997-0298 Faz.



FOUNDATION	DATE: 09/29/16	FINAL LOCATION	DATE: N/A
DRAWN BY: MES	CHECKED BY: GEL	SCALE: 1"=50'	
PROJECT NO.: 15-005	LOCATION DRAWING		

Lot 1



Bureau of Environmental Health
8930 Stanford Boulevard, Columbia, MD 21048
Moby: 410 313 2640 | Fax: 410 313 2648
TDD: 410 313 2823 | Toll Free 1 866 313 6300
www.hc.health.org
Facebook: www.facebook.com/hc.health
Twitter: HowardCoHealthDept

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 14th day of October, 2016, among SRINIVAS ROUTHU & MADHANA ROUTHU
AND NVR, Inc., 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 5004 Beechgroves Way, Clarksville MD 21029, 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 _____ Folio: _____ PLAT # 23453

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 Acot imo.

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

JWR 8/8/2014

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.

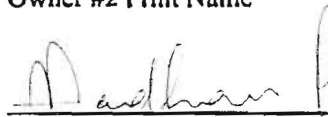

Howard County Health Department


Owner #1 Signature Date
ROBERT C. GREENBAUM, NVR
Owner #1 Print Name


Buyer #1 Signature Date
SAINIVAS ROUTHU
Buyer #1 Print Name

Owner #2 Signature Date

Owner #2 Print Name


Buyer #2 Signature Date
MADHURI ROUTHU, 9/25/2016
Buyer #2 Print Name

5004 Bee Frances Way

LOTS 1 & 10

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: nvr
Reference/Control #: 151

LR - Agreement Surcharge
1x 40.00 40.00

LR - Agreement Recording Fee
1x 20.00 20.00

Grantor/Grantee Name: nvr
Reference/Control #: 152

LR - Agreement Surcharge
1x 40.00 40.00

=====
SubTotal: 120.00
Total: 120.00

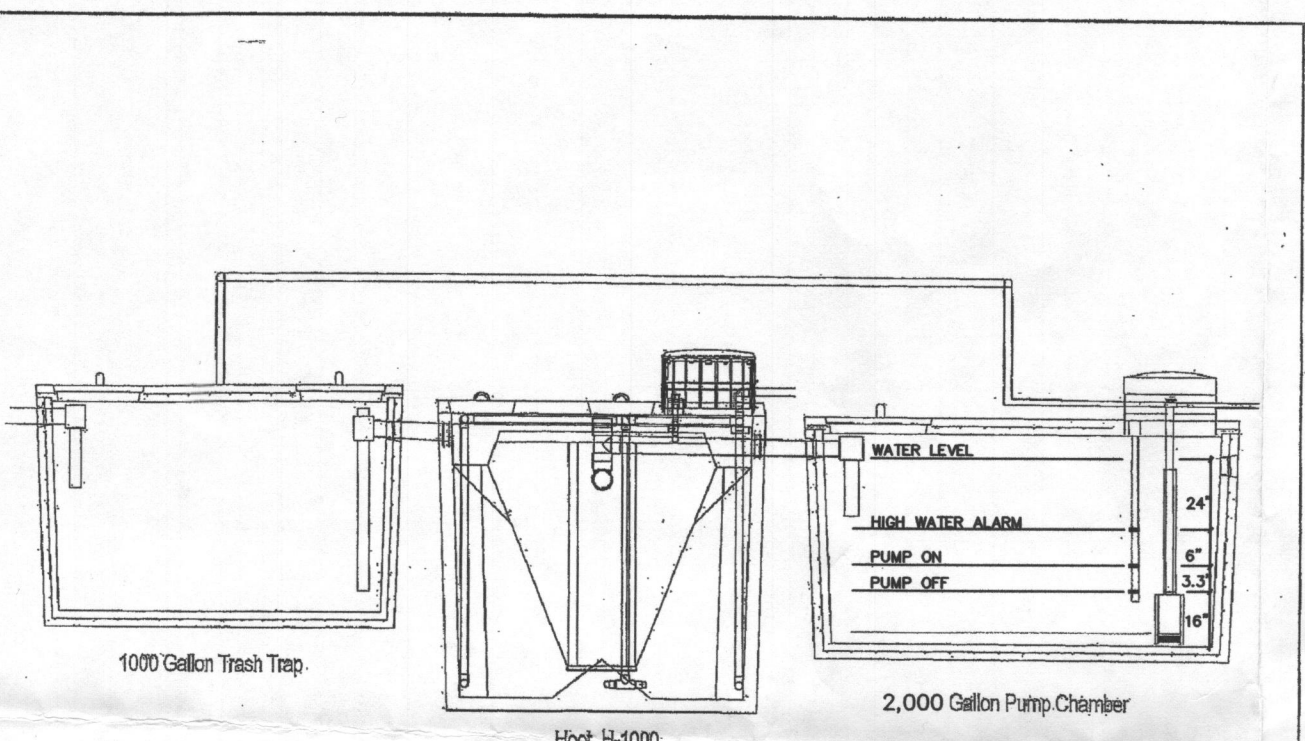
=====
REV-Check-BOA 120.00
Number : 3093

10/19/2016 13:14 CC13-MH
#7137587 /497/109

Thank you for visiting us today~

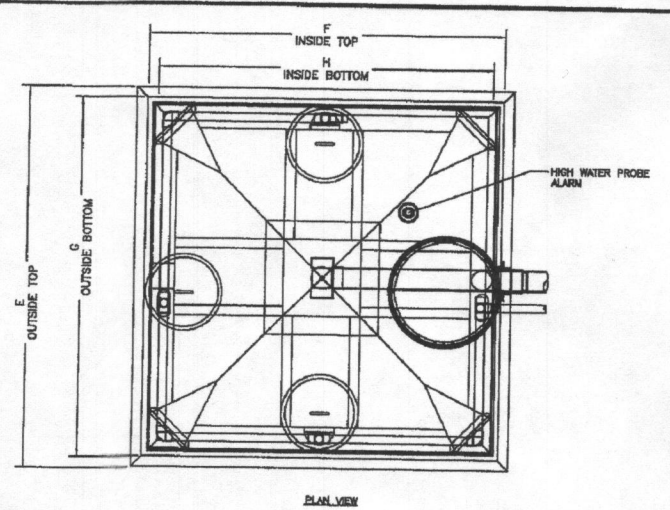
SOILS TABLE (WITHIN LOD)

SYMBOL	RATING	NAME	K FACTOR
GgB	(B)	GLENELG LOAM, 3-8% SLOPES.	.20



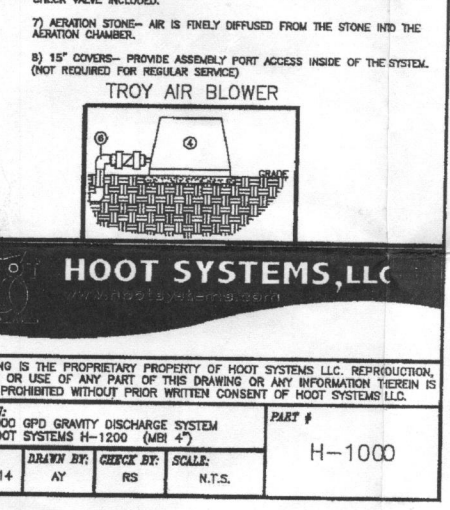
All Tanks to be Traffic Bearing

HOOT SYSTEMS, LLC	
DESCRIPTION	DATE



CRITICAL DIMENSIONS	
A	62.5"
B	72.5"
C	67.5"
D	4"
E	82.5"
F	16.5"
G	82.5"
H	75.5"

THE FOLLOWING INFORMATION PROVIDES THE...
 1. APPROXIMATE PERFORMANCE...
 2. OPERATING...
 3. WHEN AN...
 4. THE...
 5. THE...
 6. THE...
 7. THE...
 8. THE...
 9. THE...
 10. THE...



PRIMARY TRENCH DATA

TRENCH	EX. GROUND ELEVATION	INVERT ELEVATION	BOTTOM OF TRENCH EL.
1	566.80	563.80	561.80
2	566.10	563.10	561.10

SEWER SYSTEM CHART

DESCRIPTION	ELEVATION
BASEMENT ELEVATION	561.33
INVERT OUT OF THE HOUSE	565.00
FINISHED GRADE AT SEPTIC TANK	567.70
INVERT INTO SEPTIC TANK	564.24
INVERT OUT OF SEPTIC TANK	563.99
FINISHED GRADE AT HOOT SYSTEM	567.50
INVERT INTO HOOT SYSTEM	563.95
INVERT OUT OF HOOT SYSTEM	563.87
FINISHED GRADE AT PUMP TANK	567.30
TOP OF TANK	564.92
INVERT INTO PUMP TANK	563.83
INVERT OUT OF PUMP TANK	565.41
PUMP TANK FLOOR	559.42
FINISHED GRADE AT DISTRIBUTION BOX	566.80
INVERT INTO DISTRIBUTION BOX	563.90
PUMP OFF	560.75
PUMP ON	561.03
HIGH WATER ALARM	561.70
DOSED RATE	50 GPM
PUMP RUNTIME	3.0 MIN.

MINIMUM TANK CAPACITY = 2,000 GALLONS
 PUMP: GOULDS MODEL 3871, EP04 SERIES

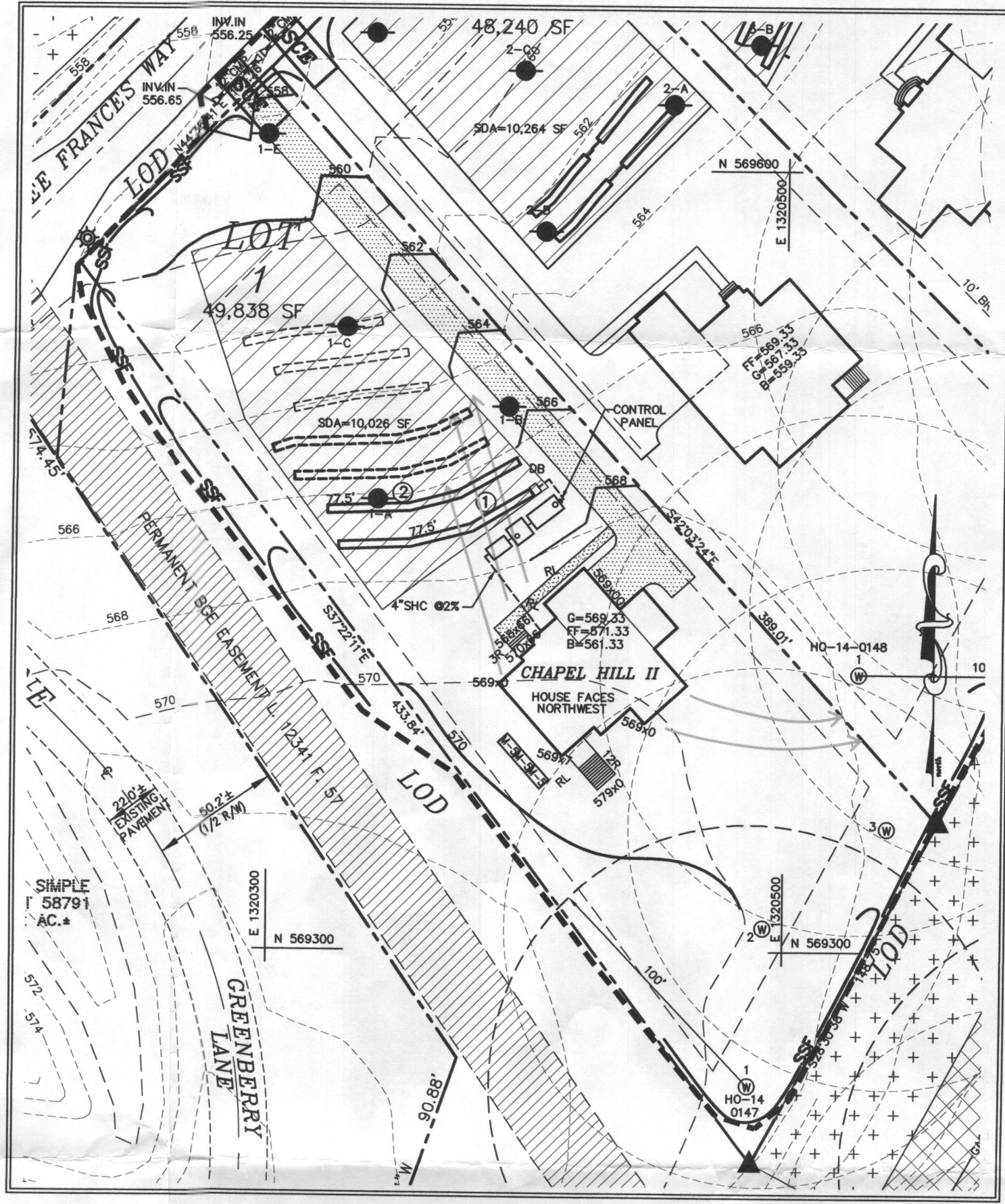
ON-SITE SEWAGE DISPOSAL SYSTEM:

RESIDENTIAL SYSTEM DESIGN: HOOT H-1000 BNR
 6 BEDROOM HOUSE (LIVING AREA = 2,288 SQ.FT.)
 150 GALLONS X # OF BEDROOMS = VOLUME OF WASTEWATER / DAY
 150 X 6 = 900 GPD
 PERC RATE = 2-5 MINUTES/INCH
 APPLICATION RATE = 1.2 GPD/SQ.FT.
 DESIGN FLOW = APPLICATION RATE = SQ.FT. OF TRENCH REQUIRED
 900 ÷ 1.2 = 750 SQ.FT.
 SQ.FT. REQUIRED ÷ WIDTH OF TRENCH = LENGTH OF TRENCH
 750 ÷ 3.0' = 250 FT
 USE 24" OF GRAVEL BELOW DRAIN PIPE
 250 X 0.62 = 155
 USE TWO (2) TRENCHES (77.5')
 A MINIMUM OF 10' BETWEEN TRENCHES UTILIZING SIDEWALL REDUCTION CREDIT.
 MINIMUM TANK CAPACITY = 750 GALLONS
 PUMP: GOULDS MODEL 3871, EP04 SERIES

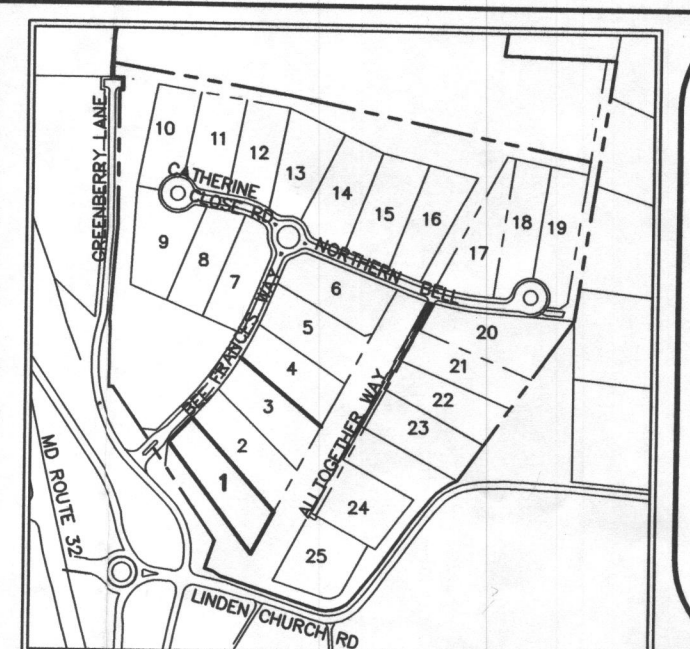
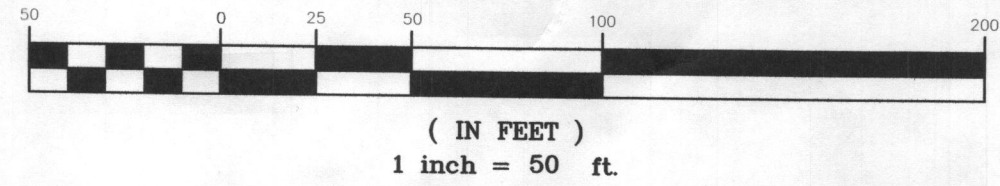
NOTE:
 BASEMENT WILL NOT SEWER BY GRAVITY

SEPTIC TRENCH SIZING

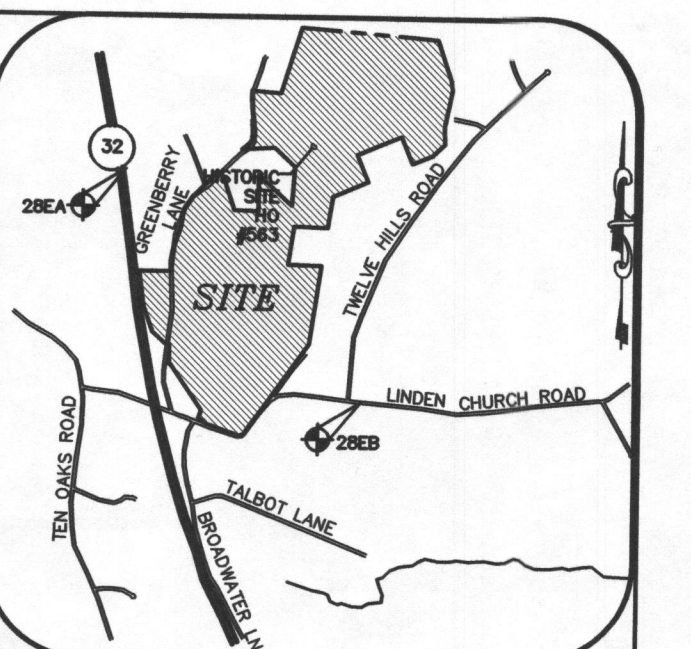
SYSTEM	APPLICATION RATE (GPD / SF)	MAXIMUM FLOW RATE (GPD)	AREA OF REQUIRED TRENCH (SF)	TRENCH WIDTH (FT)	LENGTH OF TRENCH (FT)	EFFECTIVE DEPTH BEGINS (FT)	TRENCH BOTTOM DEPTH (FT)	TRENCH REDUCTION FACTOR**	ADJUSTED LENGTH OF REQUIRED TRENCH (LF)	MINIMUM TRENCH SPACING (FT)	NUMBER OF TRENCHES	PROVIDED TRENCH LENGTH (FT)
PRIMARY	1.2	900	950	3	250	3.0	5.0	0.62	155	10.0'	2	77.5'
SECONDARY	1.2	900	950	3	250	4.0	6.0	0.62	155	10.0'	2	77.5'
TERTIARY	1.2	900	950	3	250	3.5	5.5	0.62	155	10.0'	3	51.7'



GRAPHIC SCALE



LOCATION PLAN
 SCALE: 1"=600'



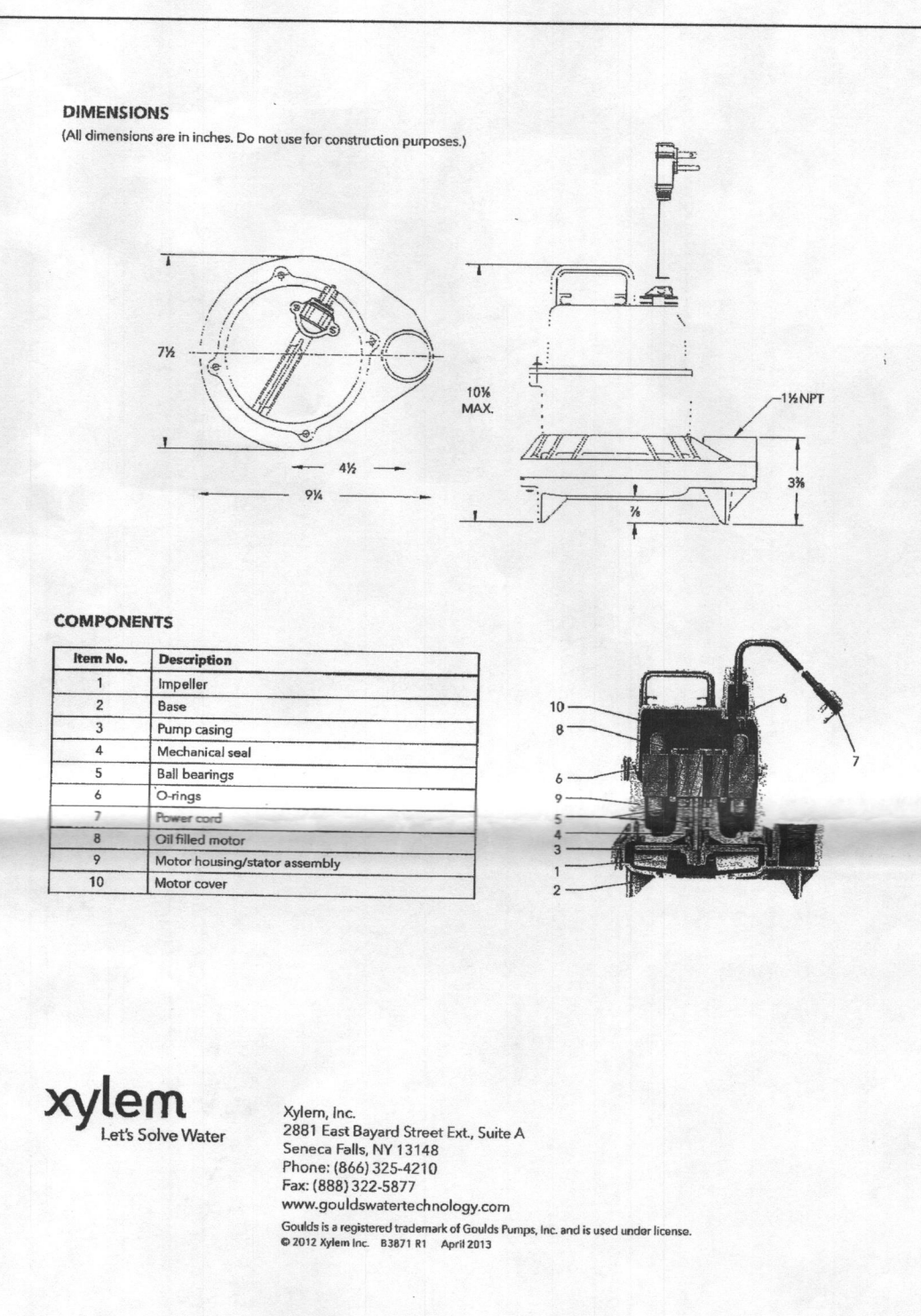
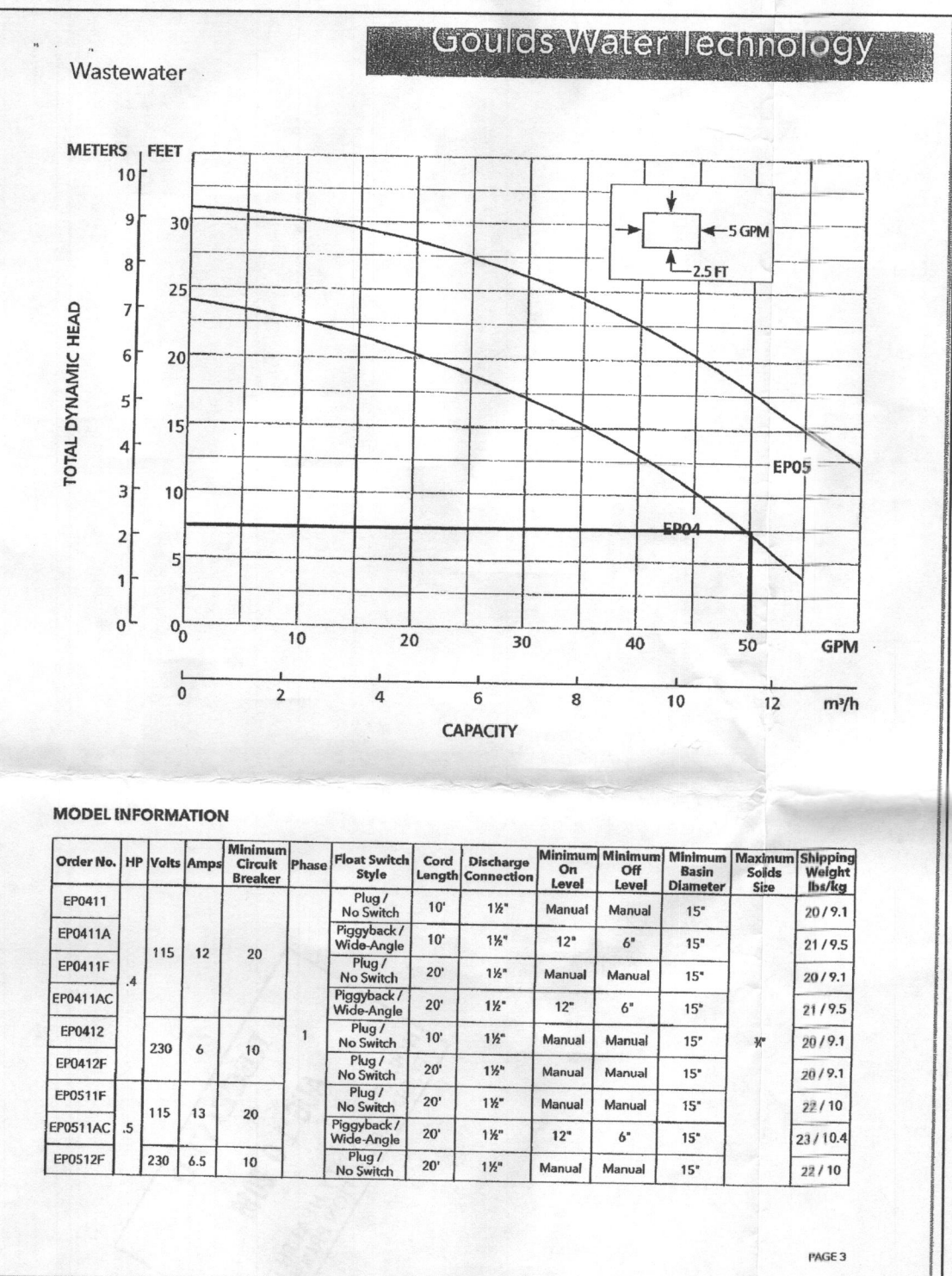
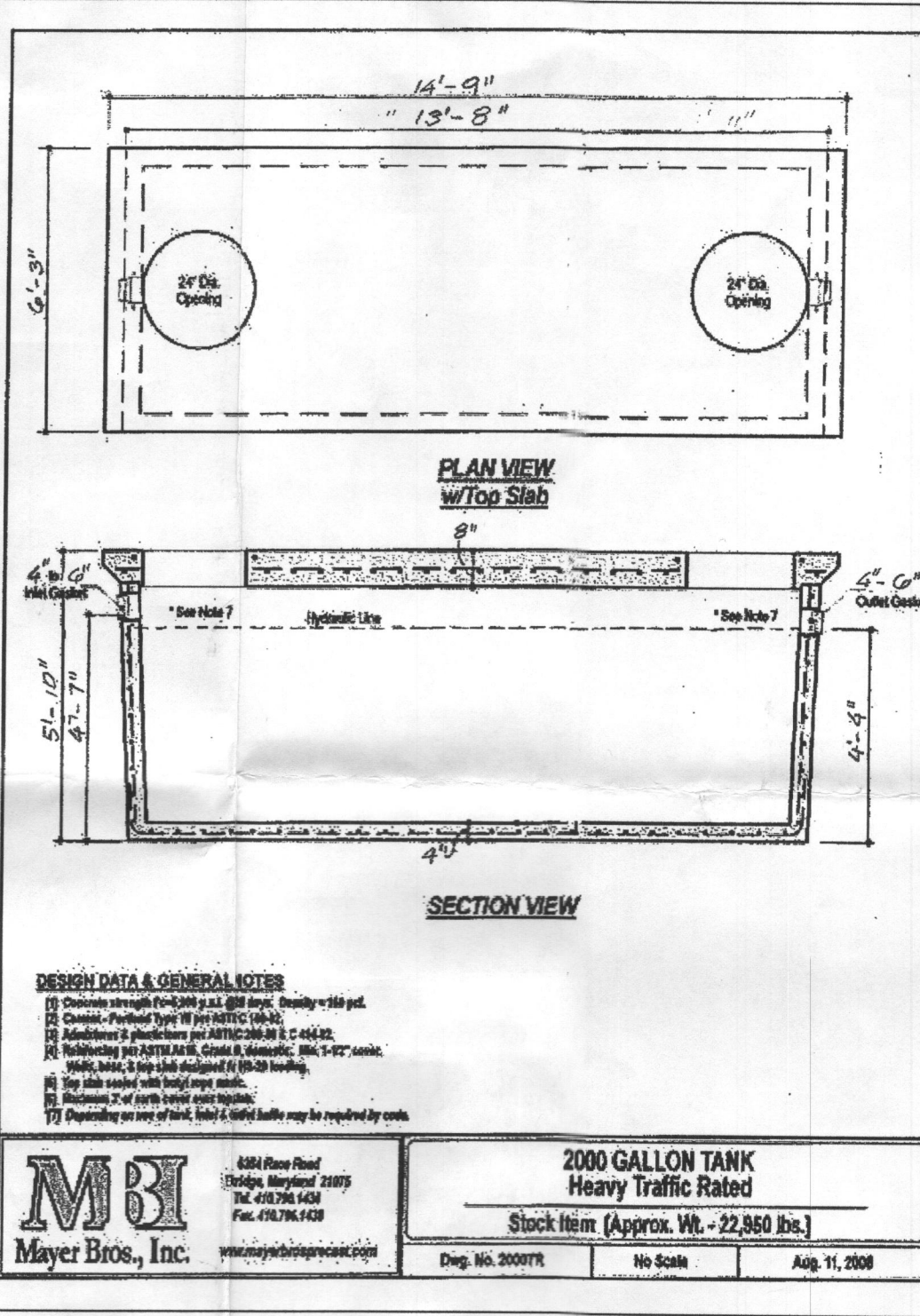
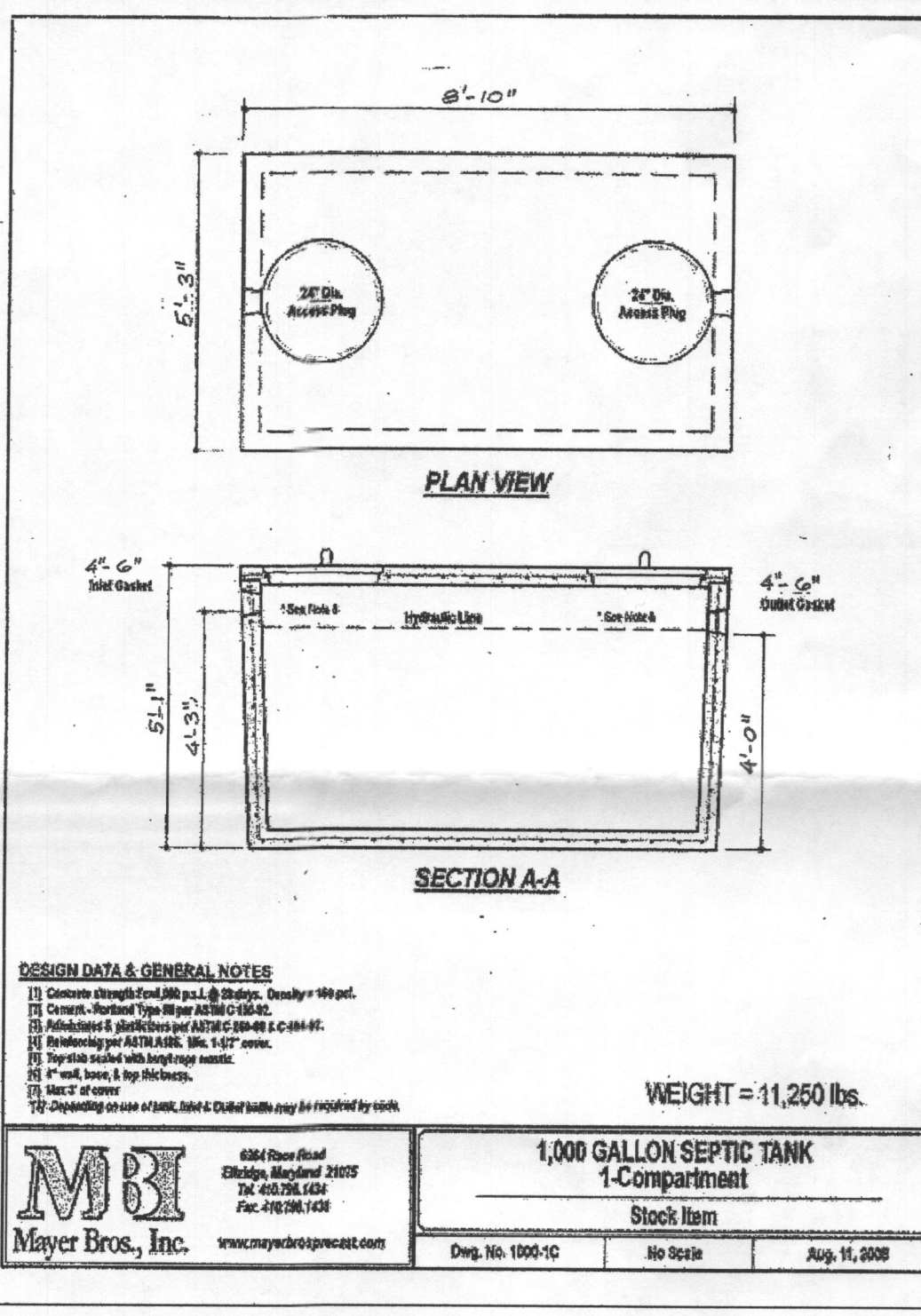
VICINITY MAP
 SCALE: 1" = 2000'
 ADC MAP 24 GRID F6

GENERAL NOTES:

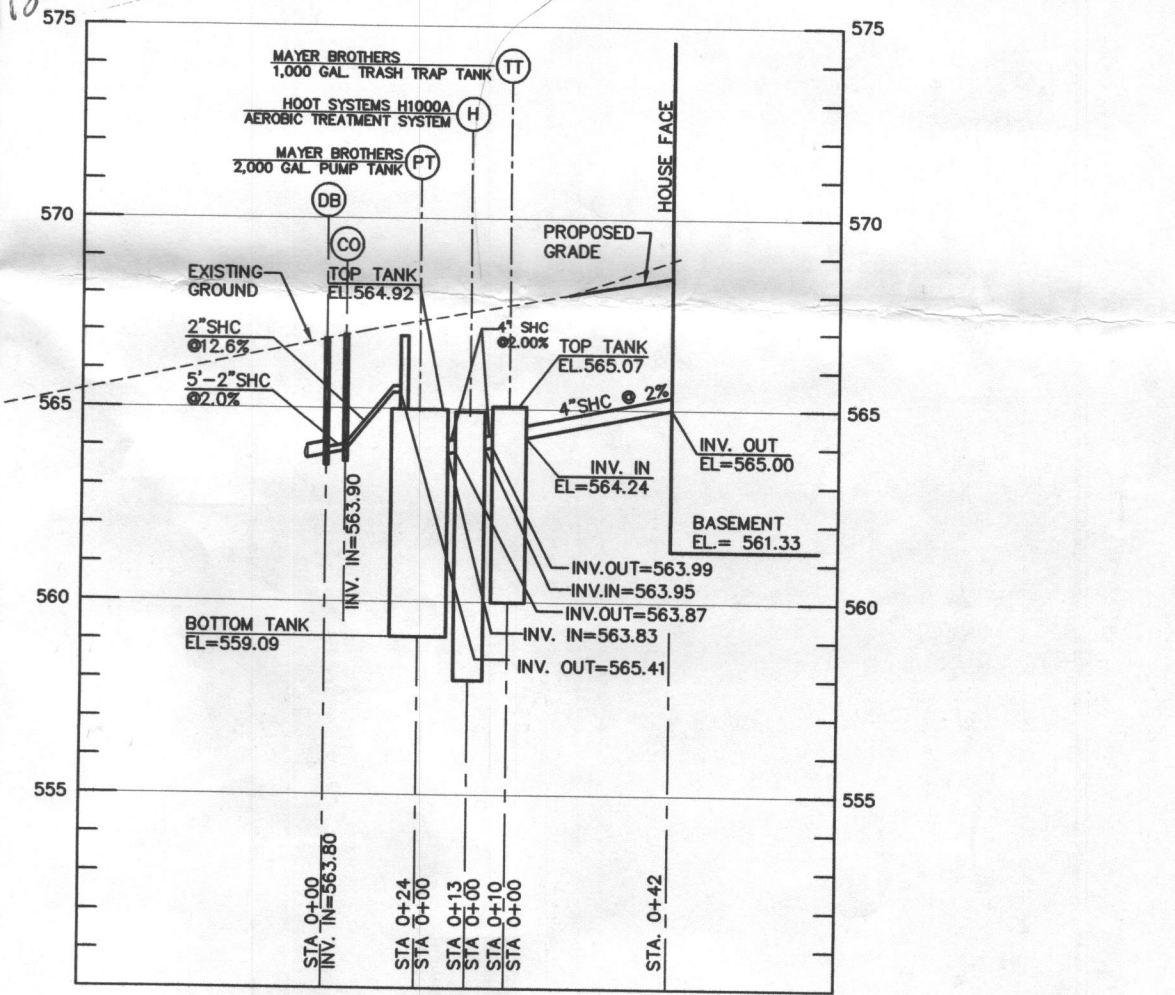
- THE SUBJECT PROPERTY IS ZONED RR-DEO PER THE OCTOBER 6, 2013 COMPREHENSIVE ZONING PLAN.
- PARCEL BACKGROUND:
 TAX MAP: 28
 GRID: 9
 PARCEL: 48
 LOT:
 DEED REFERENCE: LIBER 5891 FOLIO 307
 ELECTION DISTRICT: FIFTH
 ZONING: RR-DEO
 AREA: 49,838 S.F.
 DPZ FILES: ECP-13-025, SP-13-010, F-14-095, GP-15-081
- 2' TOPOGRAPHY FOR THE DEVELOPED AREAS IS BASED ON AERIAL SURVEY FLOWN BY WINGS TOPOGRAPHY INC. ON OR ABOUT MARCH 2007.
- PRIVATE WELL AND SEPTIC WILL BE UTILIZED.
- SOILS DATA BASED ON THE USDA SOIL SURVEY OF HOWARD COUNTY, MD, DATED MAY, 2008.
- THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED EASEMENT SHALL NOT BE NECESSARY.
- ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
- EXISTING WELLS, SEPTIC SYSTEMS, AND SEWERAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND THOSE WELLS WITHIN 200' DOWN GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS OR SEWERAGE DISPOSAL AREAS HAVE BEEN SHOWN.

BEST AVAILABLE TECHNOLOGY 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 PER THE MANUFACTURER'S SPECIFICATION IS 3.0' FEET.
- THE BLOWER MAY NOT BE LOCATED MORE THAN 100 FEET FROM THE TANK BASED ON MANUFACTURER'S SPECIFICATIONS.
- THE BAT SYSTEM SHALL BE MAINTAINED AND OPERATED FOR THE LIFE OF THE SYSTEM.
- THE BAT SYSTEM SHALL BE OPERATED BY AND MAINTAINED BY A CERTIFIED SERVICE PROVIDER.
- 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.
- 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 THE 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.



Approved Septic System Plan
 Howard County Health Department
 Hoot - H-1000 w/ EP04
 To Gravity Drain
 Buckler Signature
 B16002265, Revised Date 8/5/16



PROFILE - PRIVATE SEWER
 SCALE: 1"=50' HOR
 1"=5' VER

MBI Mayer Bros., Inc.
 4384 New Road
 Elkridge, Maryland 21025
 Tel: 410.326.1024
 Fax: 410.326.1428

1,000 GALLON SEPTIC TANK
 1-Compartment
 Stock Item
 Dwg. No. 1106-10 No Scale Aug. 11, 2008

2,000 GALLON TANK
 Heavy Traffic Rating
 Stock Item (Approx. Wt. - 22,860 lbs.)
 Dwg. No. 2007R No Scale Aug. 11, 2008

MBI Mayer Bros., Inc.
 4384 New Road
 Elkridge, Maryland 21025
 Tel: 410.326.1024
 Fax: 410.326.1428

1,000 GALLON SEPTIC TANK
 1-Compartment
 Stock Item
 Dwg. No. 1106-10 No Scale Aug. 11, 2008

2,000 GALLON TANK
 Heavy Traffic Rating
 Stock Item (Approx. Wt. - 22,860 lbs.)
 Dwg. No. 2007R No Scale Aug. 11, 2008

MODEL INFORMATION

Order No.	HP	Volts	Amperes	Minimum Speed	Float Switch Style	Cond Length	Discharge Connection	Minimum On Level	Minimum Off Level	Minimum Base Diameter	Maximum Sump Size	Shipping Weight
EP0411	1/2	115	12	20	Plug / No Switch	10"	1 1/2"	12"	6"	15"	20"/1.1	21/1.6
EP0412	1/2	115	12	20	Plug / No Switch	10"	1 1/2"	12"	6"	15"	20"/1.1	21/1.6
EP0413	1/2	115	12	20	Plug / No Switch	10"	1 1/2"	12"	6"	15"	20"/1.1	21/1.6
EP0414	1/2	115	12	20	Plug / No Switch	10"	1 1/2"	12"	6"	15"	20"/1.1	21/1.6
EP0415	1/2	115	12	20	Plug / No Switch	10"	1 1/2"	12"	6"	15"	20"/1.1	21/1.6
EP0416	1/2	115	12	20	Plug / No Switch	10"	1 1/2"	12"	6"	15"	20"/1.1	21/1.6
EP0417	1/2	115	12	20	Plug / No Switch	10"	1 1/2"	12"	6"	15"	20"/1.1	21/1.6
EP0418	1/2	115	12	20	Plug / No Switch	10"	1 1/2"	12"	6"	15"	20"/1.1	21/1.6
EP0419	1/2	115	12	20	Plug / No Switch	10"	1 1/2"	12"	6"	15"	20"/1.1	21/1.6
EP0420	1/2	115	12	20	Plug / No Switch	10"	1 1/2"	12"	6"	15"	20"/1.1	21/1.6

xylem
 Let's Solve Water

Xylem, Inc.
 2881 East Bayard Street, Suite A
 Service Falls, NY 13148
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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. 17942, EXP DATE 09/03/2016.

R. JACOB HIKMAT, P.E.
 DATE: 08/10/16

DEVELOPER
 NV HOMES
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 COLUMBIA, MARYLAND 21046
 (410)379-5956

WELL CERTIFICATION:
 THE EXISTING WELL, TAG NO. HO-14-0147, HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN

Project	date	description	revision
15-005	AUG. 2016	engineering	MM
		illustration	MM
		scale	MM
		approval	MM
		scale	MM
		1"=50'	MM

Project	date	description	revision
15-005	AUG. 2016	engineering	MM
		illustration	MM
		scale	MM
		approval	MM
		scale	MM
		1"=50'	MM

5004 BEE FRANCES WAY, CLARKSVILLE MD
GREENBERRY LOT 1
 HOWARD COUNTY
 FIFTH ELECTION DISTRICT
 SITE PLAN FOR BAT INSTALLATION

MILDENBERG, BOENDER & ASSOC., INC.
 Engineers Planners Surveyors
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