

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: 9-3-15 **ONSITE SEWAGE DISPOSAL SYSTEM** P 557357-A

APPROVAL DATE: 11/20/2015 **PERMIT: CONSTRUCTION** A _____

PROPERTY ADDRESS: 14395 Howard Road

SUBDIVISION: Warfield Estates LOT: 2 TAX ID: 05-412951

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 600BNR PUMP SIZE: EP0511 PUMP TANK CAPACITY: 750GAL

OPERATION & MAINTENANCE AGREEMENT DATE SIGNED: 3/22/15 DATE RECORDED: 5/15/15

DISTRIBUTION SYSTEM: GRAVITY PRESSURE DOSED BEDROOMS: 5 APPLICATION RATE: 0.8

TRENCHES:	LINEAR FEET REQUIRED: <u>131.4</u> <u>169'</u>	INLET DEPTH: <u>3</u>
	TRENCH WIDTH: <u>3' 2'</u>	MAXIMUM BOTTOM DEPTH: <u>7</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: Use 2 x 65.7 long trenches
 3 x 57' trenches

ISSUED BY: Hank Oswald ISSUE DATE: 9/3/15 EXPIRATION DATE: 9/3/16

- 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 15003997
- 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.**



MAYER BROS., INC.

Precast Concrete Products

6264 Race Rd. Elkridge, MD 21075

Letter of Satisfaction Hoot System Installation

Address of Property: 14395 Howard Rd.
Glennelg, MD 21737

Date of Final Inspection: 1/18/15

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,

W. Michael Dayel

Name of Inspector

Mayer Bros., Inc.

PH: 410-796-1434

FX: 410-796-1438

WBE

NPCA Certified Plant

mayerbro@connext.net

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, PermEntry Basement Entries,
Scapewell Window Wells, Custom Precast Products

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 #: 73

LR - Agreement Surcharge
1x 40.00 40.00

=====
SubTotal: 60.00
Total: 60.00

=====
REV-Check-BOA 60.00
Number : 4347

05/15/2015 10:34 CC13-TR
#4253355 /396/109
***** DUPLICATE #001 *****

05/15/2015 10:35 CC13-TR
Thank you for visiting us today

14395 Howard Rd

Greenberg MD 20737

Clerk of the Circuit Court for
Howard County
Land Records/Licensing
The Thomas Dorsey Building
9250 Bendix Road
Columbia, MD 21045
410-313-5850

11700 PLAZA
HOWARD CO
MBER

=====		
LR - Agreement Recording Fee	1x	20.00 20.00
Grantor/Grantee Name: Muchuchuti		
Reference/Control #: 72		
=====		
LR - Agreement Surcharge	1x	40.00 40.00
=====		
SubTotal:		60.00
Total:		60.00
=====		
REV-Check-BOA		60.00
Number : 885516		

12/03/2015 13:22
#5248613 /1246/109
CC13-DS

Thank you for visiting us today~

WELL PROCESSING FEE	
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HOWARD CO CLERK OF COURT
8360 COURT AVE
ELLCOTT CITY MD 21403

REMITTANCE ADVICE



Bureau of Environmental Health
8930 Stanford Boulevard, Columbia, MD 21045
Main: 410-313-2640 | Fax: 410-313 2648
TDD 410-313-2823 | Toll Free 1-866-313-6300
www.hchealth.org
Facebook: www.facebook.com/hccohealth
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 15 day of May 2015 among 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 14395 Howard Road, in the 5 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 8425 Folio 199

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 HOOT 600 GPD BNR.

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

JW 8/8/2014

Print Date: 3/22/2015

20
40
12

LR - Agreement 20.00
Recording Fee 20.00
Grantor/Grantee Name:
nvr
Reference/Control #:
73
LR - Agreement
Surcharge 40.00
SubTotal: 60.00
Total: 60.00
05/15/2015 10:34
CC13-19
#4253355 C00503 -
Howard Co
Columbia CC05.03.01 -
Register 01

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.

Beet Rufan 5/15/2015
Howard County Health Department

[Signature] 4/27/15
Owner #1 Signature Date

TIM NAUGHTON
Owner #1 Print Name

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

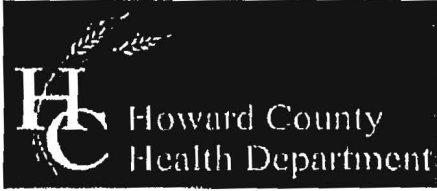
TENNYSON MALIRO
Buyer #1 Print Name

Owner #2 Signature Date

Owner #2 Print Name

Buyer #2 Signature Date

Buyer #2 Print Name



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Facebook: www.facebook.com/hccohealth

Twitter: HowardCoHealthDep

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

**OPERATION AND MAINTENANCE AGREEMENT
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JW 8/8/2014

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Howard County Health Department

[Signature] 4/27/15
Owner #1 Signature Date

TIM NAUGHTON
Owner #1 Print Name

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

TENNYSON MALIRO
Buyer #1 Print Name

Owner #2 Signature Date

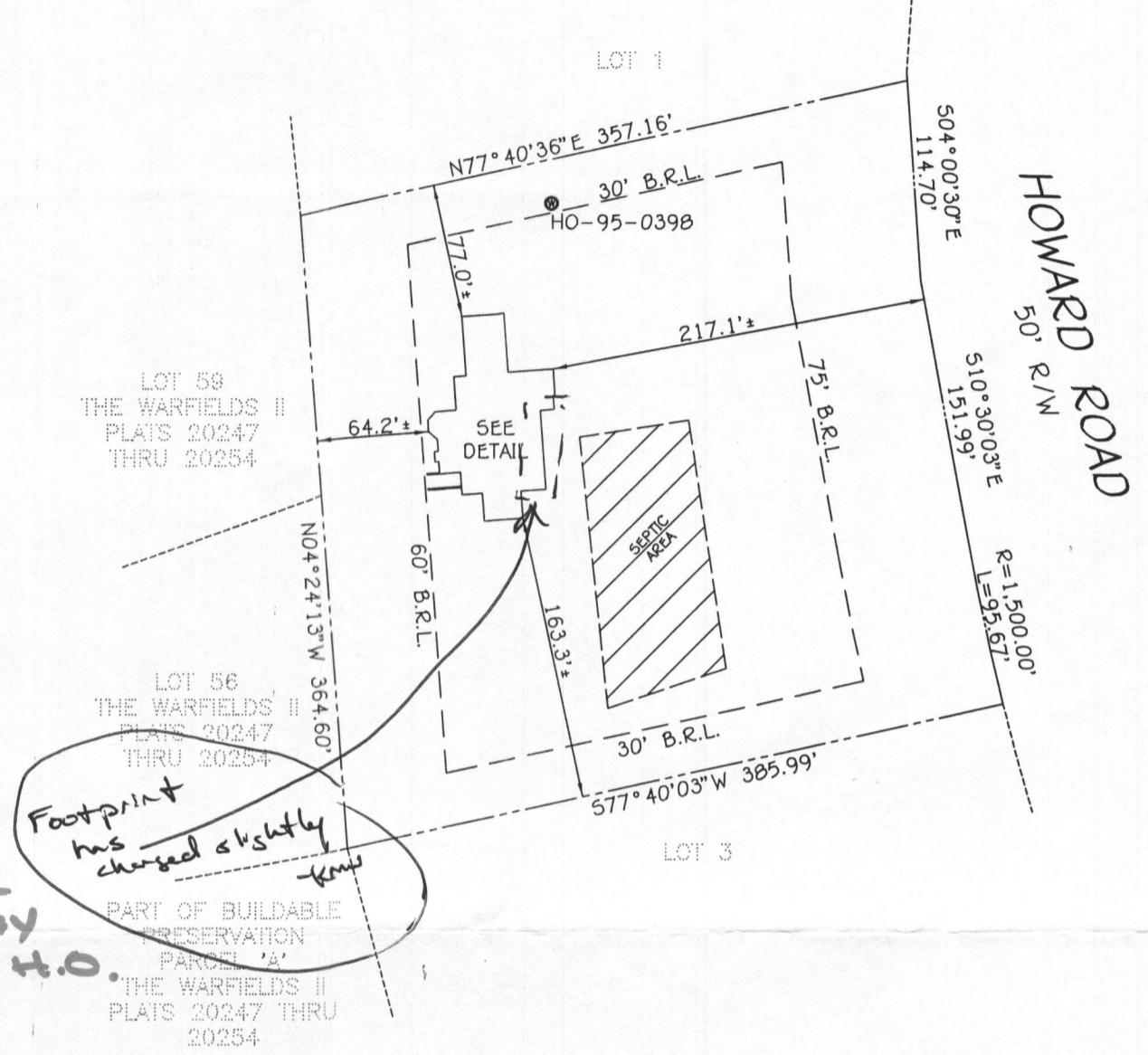
Owner #2 Print Name

Buyer #2 Signature Date

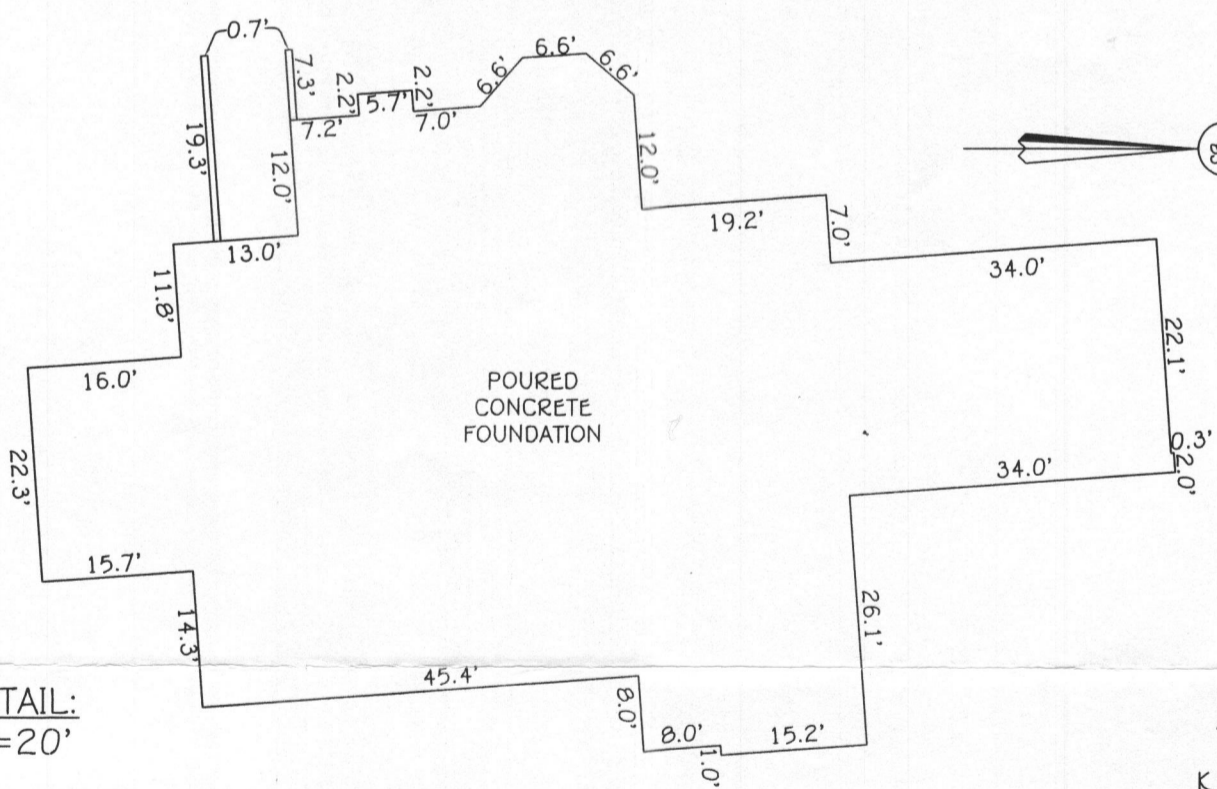
Buyer #2 Print Name

GENERAL NOTES:

- 1) THIS LOCATION DRAWING IS PREPARED FOR THE BENEFIT OF THE CLIENT SIGNING THE HOUSE LOCATION SURVEY APPROVAL FORM INSOFAR AS IT IS REQUIRED BY A LENDER OR TITLE INSURANCE COMPANY OR ITS AGENTS IN CONNECTION WITH THE CONTEMPLATED TRANSFER, FINANCING OR REFINANCING OF THE PROPERTY SHOWN HEREON. UNLESS INDICATED AS BEING A BOUNDARY SURVEY, THIS LOCATION DRAWING IS NOT INTENDED FOR USE IN THE ESTABLISHMENT OF PROPERTY LINES AND IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATIONS OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE IMPROVEMENTS. AS A RESULT, THIS LOCATION DRAWING DOES NOT PROVIDE FOR ACCURATE IDENTIFICATION OF PROPERTY LINES, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING FOR RE-FINANCING.
- 2) SUBJECT PROPERTY IS SHOWN IN ZONE C ON THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP OF HOWARD COUNTY, MARYLAND, COMMUNITY PANEL No. 2400440020B EFFECTIVE DEC. 4, 1986.
- 3) THE OFFSETS FROM BUILDING LINE TO PROPERTY LINE AS SHOWN ON THE PLAT HEREON ARE TO AN ACCURACY OF PLUS OR MINUS 1'(+)
- 4) NO TITLE REPORT FURNISHED. SUBJECT TO ALL EASEMENTS, RIGHTS OF WAY AND CONDITIONS OF RECORD.
- 5) THE EXISTING WELL(S) SHOWN ON THIS PLAN (IDENTIFIED WITH THE ATTACHED WELL TAG NUMBER HO-95-0398) HAS BEEN FIELD LOCATED BY FISHER, COLLINS AND CARTER, INC. PROFESSIONAL LAND SURVEYORS AND IS ACCURATELY SHOWN.
- 6) BUILDING PERMIT# (B-15001928)



9/3/15 - wall check okay H.O.



DETAIL:
1" = 20'

#14389 HOWARD ROAD
B.R.L. = BUILDING RESTRICTION LINE
TOP OF FOUNDATION = 538.5'±

LOT 2
A MINOR SUBDIVISION
PLAT FOR LOTS 1-4
KENNARD WARFIELD, JR.
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
PLAT #9376

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELICOTT CITY, MARYLAND 21042
(410) 461-2855

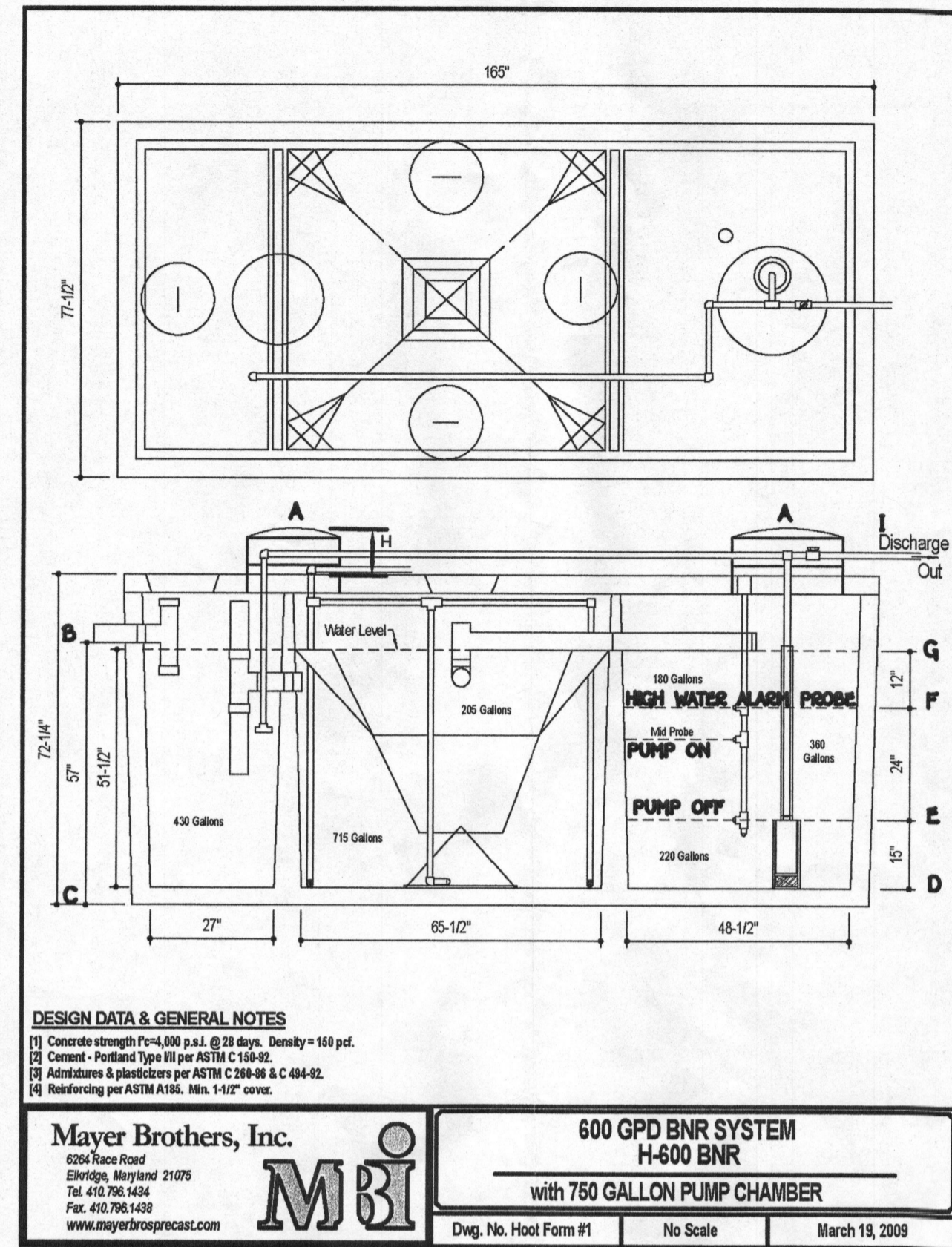


Mark L. Robel 9/12/15
PROFESSIONAL LAND SURVEYOR DATE
REG. #

HOUSE LOCATION DRAWING

FOUNDATION LOCATION: 8/5/15
FINAL LOCATION: _____
BOUNDARY SURVEY: _____

SCALE: 1" = 100'
DATE: 8/12/15
DRAWN BY: GAD
CHECKED BY: MLR
PROJECT No.: 30310

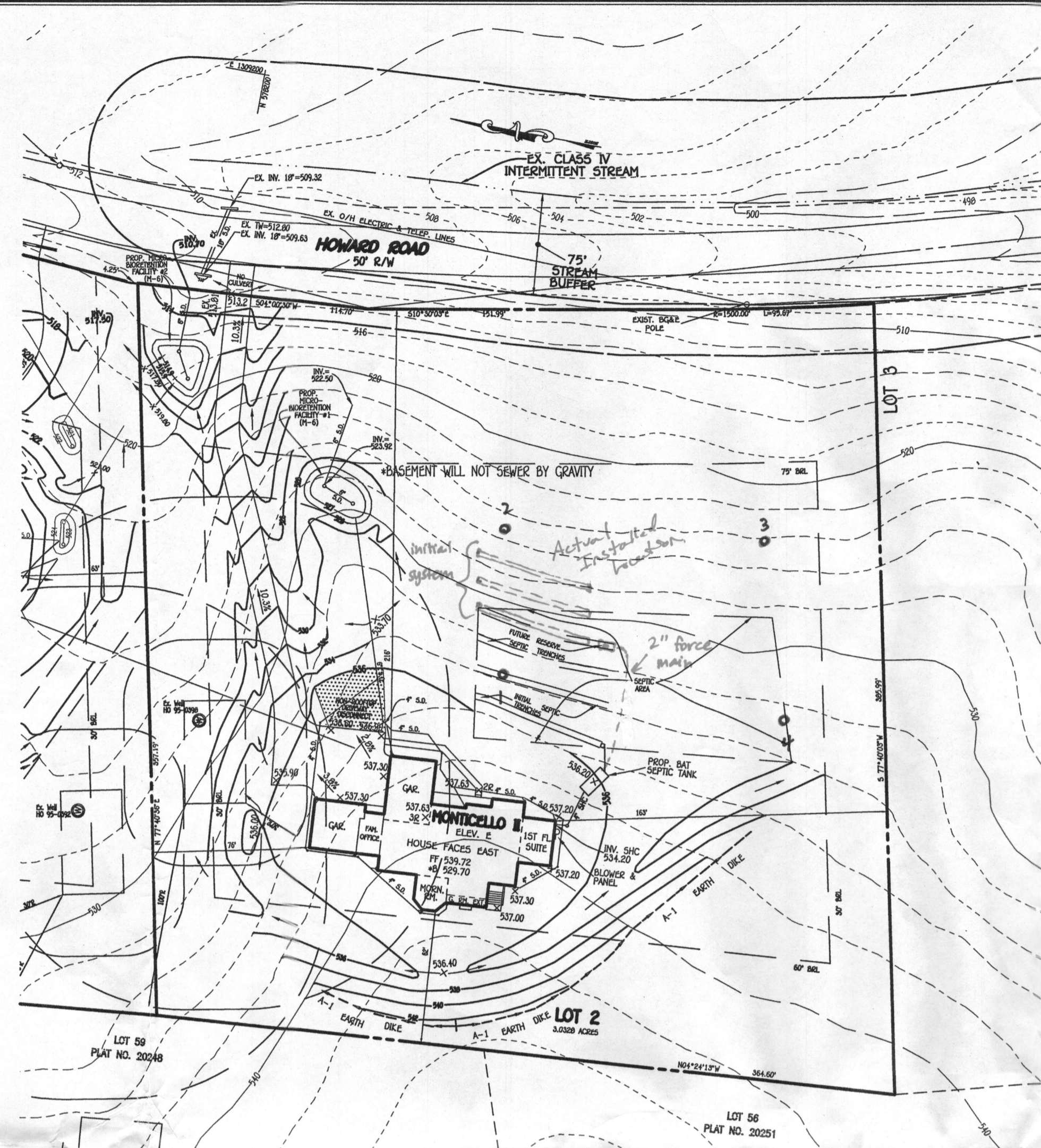


DESIGN DATA & GENERAL NOTES

- (1) Concrete strength F_c=4,000 p.s.i. @ 28 days. Density = 150 pcf.
- (2) Cement - Portland Type III per ASTM C 150-92.
- (3) Admixtures & plasticizers per ASTM C 219-91 & C 484-02.
- (4) Reinforcing per ASTM A108. Min. 1/2" cover.

Mayer Brothers, Inc.
 6204 Race Road
 Ellicott City, Maryland 21075
 Tel. 410.780.1424
 Fax. 410.781.6187
 www.mayerbrothers.com

**600 GPD BNR SYSTEM
 H-600 BNR
 with 750 GALLON PUMP CHAMBER**
 Dwg. No. Hoot Form #1 No Scale March 18, 2009



PLAN
 SCALE: 1" = 50'

BAT 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 REVISION SITE PLAN MAY BE REQUIRED.
2. THE MANUFACTURER'S SPECIFICATION IS 3 FEET. IF COVER EXCEEDS 3 FEET, THEN A TRAFFIC BEARING TANK IS REQUIRED.
3. THE BLOWER MUST NOT BE LOCATED MORE THAN 100 FEET FROM THE TANK BASED ON THE MANUFACTURER'S SPECIFICATIONS.
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 WITHIN ONE MONTH OF INSTALLATION. A PERSON INSTALLING THE BAT SYSTEM SHALL REPORT TO THE PARCEL OWNER OF THE COMPLETION DATES IN A MANNER ACCEPTABLE TO HIM, 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 ASSESSMENT AND AGREEMENT HAS BEEN COMPLETED AND SIGNED BY ALL APPLICABLE PARTIES, AND RECORDED IN THE LAND RECORDS OF HOWARD COUNTY, LIBER 14784, FOLIO 067.
8. THE HEALTH DEPARTMENT REQUIRES DOCUMENTATION OF THE START-UP CERTIFICATION FROM THE MANUFACTURER PRIOR TO FINAL APPROVAL OF THE INSTALLATION.
9. SURFACE RUNOFF SHALL BE DIRECTED AROUND THE BAT TANK.
10. AT HIGH WATER ALARM PROBE, PUMP WILL HAVE CONTINUOUS OPERATION UNTIL LEVEL GOES BELOW PROBE.
11. IF WATER LEVEL RISES ABOVE THE ALARM PROBE, AN AUDIBLE AND VISUAL ALARM SHALL SOUND. SEE MANUFACTURER'S SPEC FOR ADDITIONAL INFORMATION.
12. ALARM TO BE WIRED TO A CIRCUIT SEPARATE FROM THE PUMP CIRCUIT.

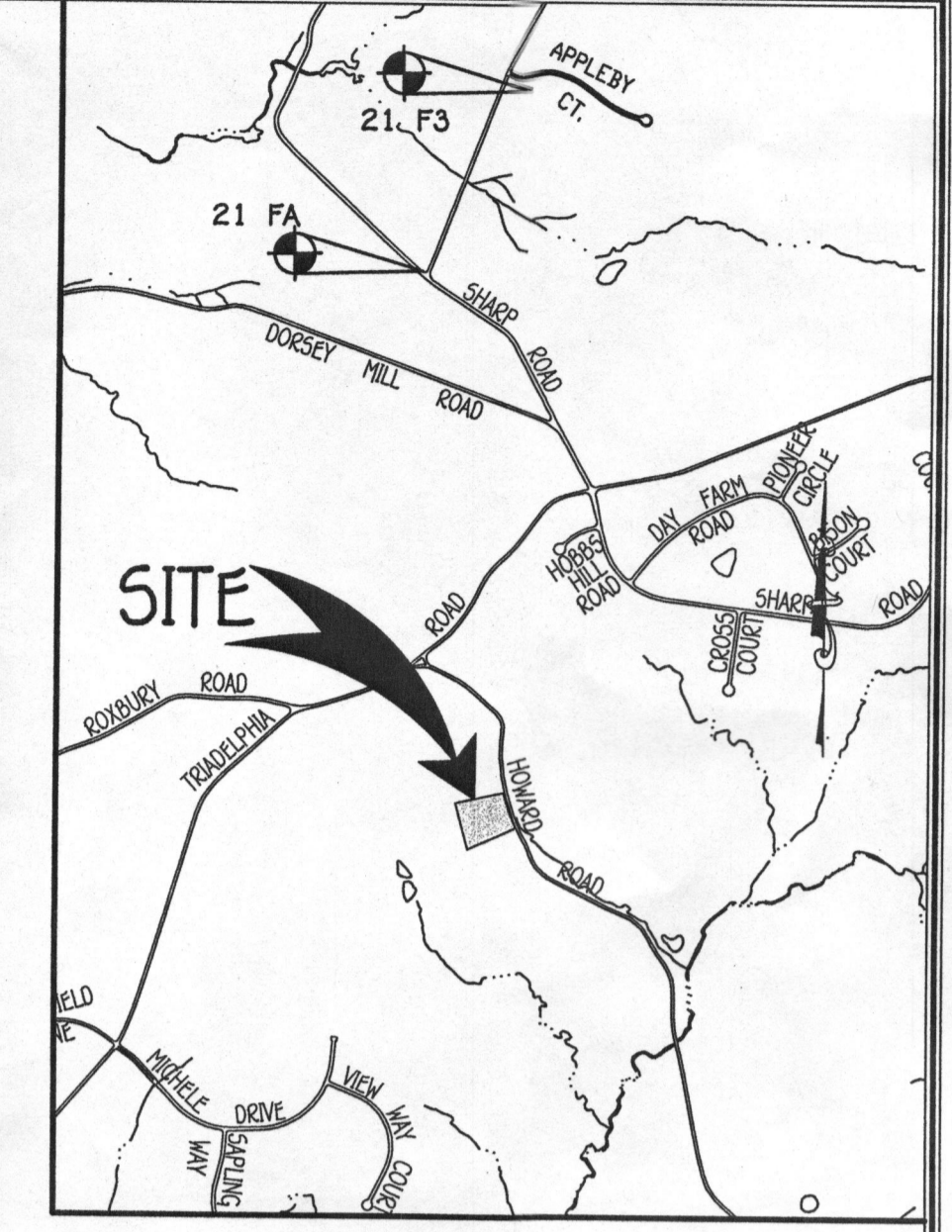
0 = Passed Perc Test 8/12/1986
 - - - = Indicates Force Main Location (26" Deep)

SEPTIC SYSTEM ELEVATIONS

A=	536.20
B=	533.66 (INV. INTO TANK)
C=	528.91
D=	529.24
E=	530.49
F=	532.49
G=	533.49
H=	1.27' (7" MIN.)
I=	534.93 (INV. OUT OF TANK)

FFE = 539.72
 BSE = 529.70
 INV. OUT OF HOUSE = 534.20
 INV. INTO DISTRIBUTION BOX = 532.50
 TOP OF TANK ELEV. = 534.93
 DOSE VOLUME = 80 GAL.
 DOSING TIMER = 2 MIN.
 DYNAMIC HEAD APPROX. 5 FT.

NOTE:
 THE PROPOSED HOUSE IS TO HAVE 5 BEDROOMS, SEPTIC DESIGN IS FOR 5 BEDROOMS.



VICINITY MAP
 SCALE: 1" = 2,000'

COORDINATES BASED ON NAD 83 MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY
 GEODETIC CONTROL STATIONS: NO. 21 PA N 582.028.725, E 1,308,457.919 ELEV. 525.616
 NO. 32 F3 N 588.331.106 E 1,309,075.57 ELEV. 538.385

**SEWAGE DISPOSAL SYSTEM DATA
 (PERMIT FOR 5 BEDROOMS, DESIGN FOR 5 BEDROOMS)**

- PROP. INVERT AT FOUNDATION WALL: 534.20
1. (MAX. NO. BEDRMS = 5)
 EX. GRADE OVER TANK: 537.00
 PROP. GRADE OVER TANK: 536.20
 INVERT IN: 533.66
 INVERT OUT: 534.93
 2. DISTRIBUTION BOX:
 EX. GRADE: 535.40
 PROP. GRADE: 535.40
 INVERT IN: 532.50
 3. TRENCH DESIGN:
 (5 BDRM X 150 GPD/BDRM = 750 GPD)
 750 / 0.8 APP. RATE = 937.5 SF
 USE 3' WIDE TRENCH AND 10' MIN. SPACING BETWEEN TRENCH EDGES.
 937.5 SF / 3' WIDTH = 312.5 LF. X 0.42 = 131.3 LF. MIN. TRENCH
 USE 2'-65.7" LONG TRENCHES = 131.4 LF.

TRENCH DATA:	TRENCH DATA:
TRENCH 1: EX. GROUND ABOVE = 535.40 INV. IN = 532.40 BOTTOM TRENCH = 528.40	REPLACEMENT TRENCH 3: EX. GROUND ABOVE = 530.20 INV. IN = 527.20 BOTTOM TRENCH = 523.20
TRENCH 2: EX. GROUND ABOVE = 534.10 INV. IN = 531.10 BOTTOM TRENCH = 527.10	REPLACEMENT TRENCH 4: EX. GROUND ABOVE = 530.90 INV. IN = 527.90 BOTTOM TRENCH = 523.90

Approved Septic System Plan
 Howard County Health Department
 Hank Oswald 6/15/15
 Signature Date

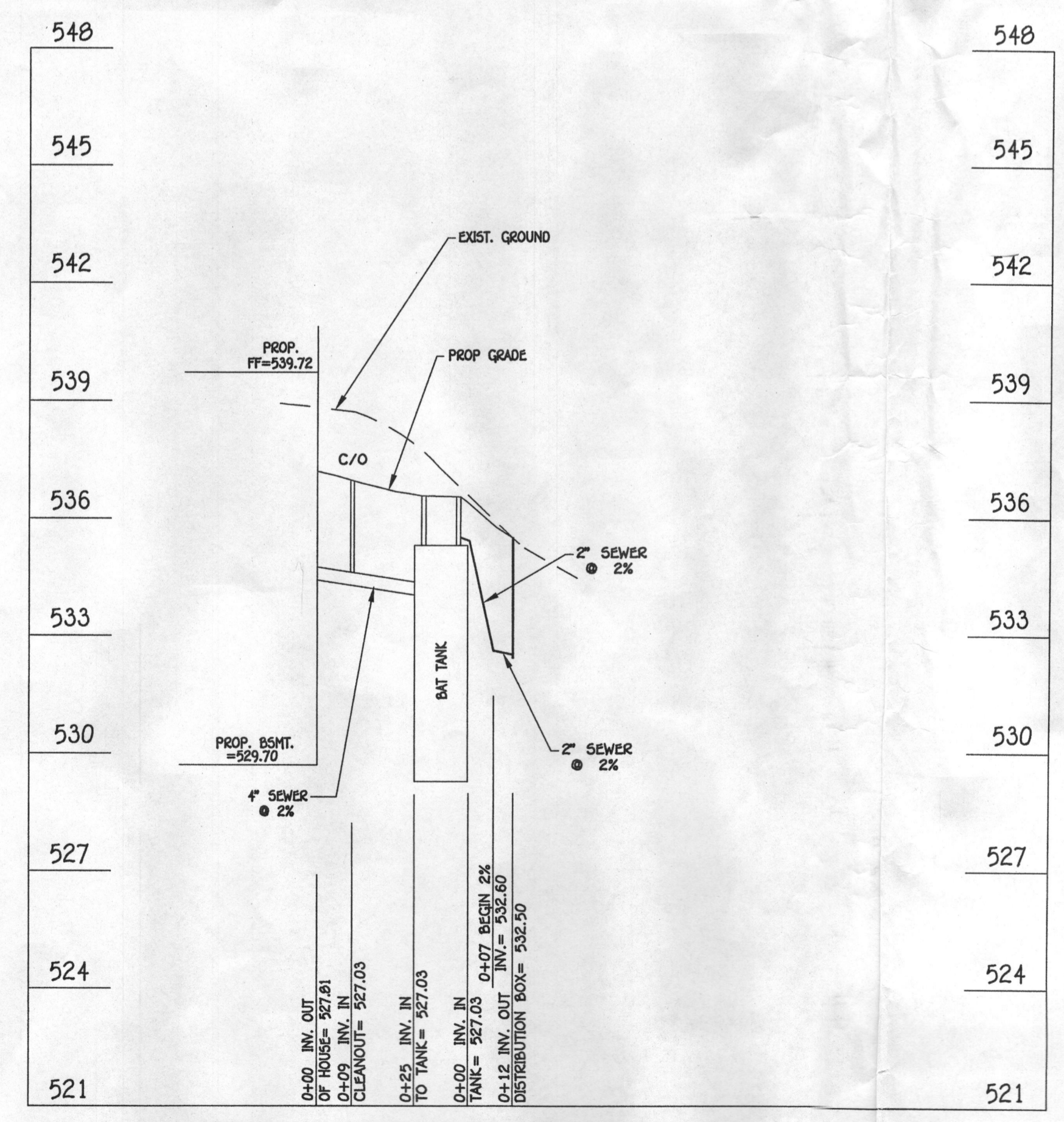
LOT 2 OWNER
 TEN OAKS PROPERTIES INC.
 PO BOX 30
 GLENELG, MARYLAND, 21737

BUILDER/DEVELOPER
 N.V. HOMES
 9720 PATUXENT WOODS DRIVE
 COLUMBIA, MARYLAND, 21046
 (410) 379-5956

**SITE PLAN FOR BAT INSTALLATION
 KENNARD WARFIELD, JR.
 14395 HOWARD ROAD
 LOT 2**

TAX MAP NO.: 21 ZONED: RC-DEO PARCEL NO.: 68
 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1" = 50' DATE: JUNE 2, 2015

AS NOTED



SEPTIC SYSTEM PROFILE

SCALE: HORIZ. 1" = 30'
 VERT. 1" = 3'

WELL CERTIFICATION:
 THE EXISTING WELL, TAG NO. HO-95-0398, HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.

- APPLICATIONS**
 Specifically designed for the following uses:
- Effluent systems
 - Homes
 - Farms
 - Heavy duty sump
 - Water transfer
 - Dewatering
- SPECIFICATIONS**
- Solids handling capability: 1/2" maximum.
 - Capacities: up to 60 GPM.
 - Total heads: up to 31 feet.
 - Discharge size: 1 1/2" NPT.
 - Mechanical seal: carbon-rotary/ceramic-stationary.
 - UL94-V-0 flame retardant.
 - Temperature: 104° F (40° C) continuous, 140° F (60° C) intermittent.
 - Fasteners: 300 series stainless steel.
 - Capable of running dry without damage to components.

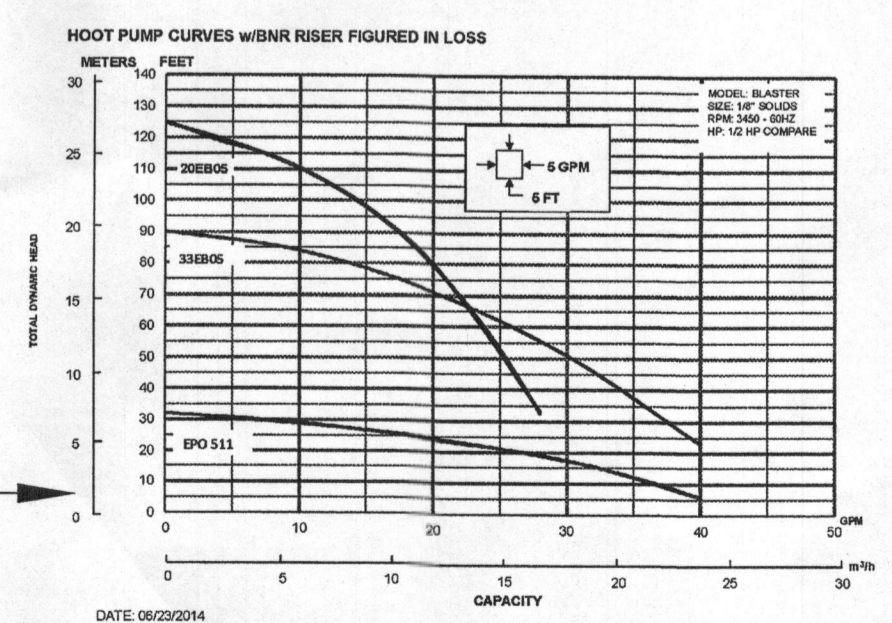
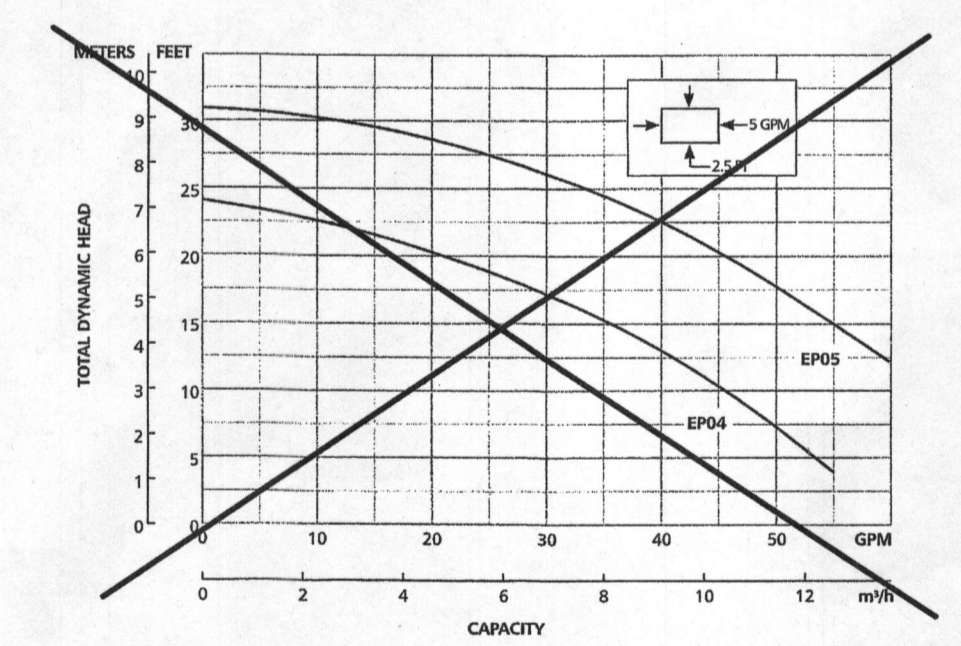
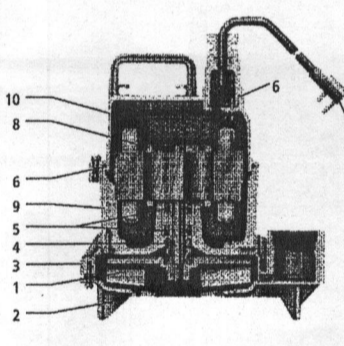
- Motor:**
- EP04 Single phase: 0.4 HP, 115 V or 230 V, 60 Hz, 1550 RPM, built in overload with automatic reset.
 - EP05 Single phase: 0.5 HP, 115 V or 230V, 60 Hz, 1550 RPM, built in overload with automatic reset.
 - Power cord: 10 foot standard length, 16/3 SJTW with three prong grounding plug. Optional 20 foot length, 16/3 SJTW with three prong grounding plug (standard on EP05).
 - Fully submerged in high grade turbine oil for lubrication and efficient heat transfer.
- Available for automatic and manual operation. Automatic models include Mechanical Float Switch assembled and preset at the factory.

PERFORMANCE RATINGS

Total Head (ft. of water)	Gallons Per Minute	EP04	EP05
5	53	-	-
10	46	82	-
15	40	36	55
20	21	46	-
25	0	33	-
30	-	11	-

COMPONENTS

Item No.	Description
1	Inceptor
2	Rise
3	Pump Casing
4	Mechanical Seal
5	Ball Bearing
6	O-Rings
7	Power Cord
8	Oil Filled Motor
9	Motor Housing Stator Assembly
10	Motor Cover



MODEL INFORMATION

Order No.	HP	Volts	Amps	Minimum Circuit Breaker	Phase	Float Switch Style	Cord Length	Discharge Connection	Minimum On Level	Minimum Off Level	Minimum Basin Diameter	Maximum Solids Size	Shipping Weight
EP0411						Plug / No Switch	10'	1 1/2"	Manual	Manual	15"		20 / 9.1
EP0411A						Piggyback / Wide-Angle	10'	1 1/2"	Manual	Manual	15"		21 / 9.5
EP0411F						Plug / No Switch	20'	1 1/2"	Manual	Manual	15"		20 / 9.1
EP0411AC						Piggyback / Wide-Angle	20'	1 1/2"	Manual	Manual	15"		21 / 9.5
EP0412						Plug / No Switch	10'	1 1/2"	Manual	Manual	15"	1/2"	20 / 9.1
EP0412F						Plug / No Switch	20'	1 1/2"	Manual	Manual	15"		20 / 9.1
EP0511F						Plug / No Switch	20'	1 1/2"	Manual	Manual	15"		22 / 10
EP0511AC						Piggyback / Wide-Angle	20'	1 1/2"	Manual	Manual	15"		23 / 10.4
EP0512F						Plug / No Switch	20'	1 1/2"	Manual	Manual	15"		22 / 10

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. 20748, EXPIRATION DATE: 2/22/15.

Aldo H. Vitucci
 ALDO H. VITUCCI
 DATE: 6/2/15



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