

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: 6-13-14 **ONSITE SEWAGE DISPOSAL SYSTEM**

P 554506

INSTALLATION APPROVAL DATE: 7/14/14

**PERMIT
CONSTRUCTION**

A _____

PROPERTY ADDRESS: 6214 Heather Glen Way

SUBDIVISION: Preserve at Clarksville LOT: 3 TAX ID: _____

CONTRACTOR: Dale Thompson EMAIL: Dalethompson@gmail.com

CONTRACTOR ADDRESS: 6206 Heather Glen Way, Clarksville, MD 21029 PHONE: 443-250-5734

PROPERTY OWNER: Compass Homes EMAIL: _____

OWNER ADDRESS: 6206 Heather Glen Way, Clarksville, MD 21029 PHONE: 443-250-5734

BAT UNIT MODEL: Ecopod ~~XXXXXX~~ E75N BAT UNIT SIZE: _____

PUMP CHAMBER CAPACITY (GALLONS): _____ PUMP SIZE: _____

NUMBER OF BEDROOMS: 5 HOUSE SQ. FT. 7297 APPLICATION RATE: 0.8

DISTRIBUTION SYSTEM: GRAVITY FED LOW PRESSURE DOSED

TRENCHES:	LINEAR FEET REQUIRED: <u>222'</u>	INLET DEPTH: <u>2.5</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>6</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>9</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>4.5</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. Set distribution box at northeast corner of SDA per plan. Install 3 x 74' trenches on contour per plan. Install observation pipe at distal end of each trench.	

ISSUED BY: Robert Bricker ISSUE DATE: 6-13-14 EXPIRATION DATE: 6-13-14

- 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

See As-Built Drawing
On Separate Sheet

ROAD NAME

TRENCH/DRAINFIELD DATA

WIDTH INLET BOTTOM

3' 2.5' 6'

NUMBER OF TRENCHES 3

TOTAL LENGTH 223'

ABSORPTION AREA 669+Sidewall

DISTRIBUTION BOX LEVEL Levelers

DISTRIBUTION BOX BAFFLE Yes

DISTRIBUTION BOX PORT Yes

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL Yes

MANUFACTURER Ecopod

CAPACITY 2000 GAL

SEAM LOC Top

TANK LID DEPTH 2.5'-2.5'

BAFFLES No

BAFFLE FILTER No

MANHOLE LOC Front+Rear

6" PORT LOC Middle

WATERTIGHT TEST No

SLOTTED No

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:

6/23/2014 Layout done. Builder wants to move septic tank closer to property line. (BB)

INSTALLATION: 6/24/2014 No work done. (BB)

7/2/2014 House connection made (BB) 7/3/2014 Tank set and dist box installed (BB) 7/7/2014 (AM) Top trench almost finished (BB) 7/7/2014 (PM) Middle trench done. Starting on bottom trench (BB) 7/8/2014 System finished except for Ecopod start-up/certification. (BB) 7/14/2014 Received approval of BAT unit from ECOPOD representative. (BB)

FINAL INSPECTOR B. Baker

DATE OF APPROVAL 7/14/2014

HO-95-0225



e3 Environmental LLC

302-725-0788 www.e3onsite.com

ECOPOD-N Completion Statement

Installation Information

Owners Name		# of Bedrooms / GPD	<u>750</u>
Street	<u>6214 Heather Glen Way</u>	Repair	<input type="checkbox"/>
City	<u>Clarksville</u>	New Construction	<input checked="" type="checkbox"/>
State	<u>MD</u>		
Zip	<u>21029</u>		

Installation Company

Company	<u>Compass Builders</u>	Installed Date	<u>7/14/14</u>
Certified Installer	<u>Dale Thompson</u>	Startup Date	<u>7/14/14</u>
Street	<u>PO Box 299</u>		
City	<u>SEVERNA PARK</u>		
State	<u>MD</u>		
Zip			

ECOPOD-N

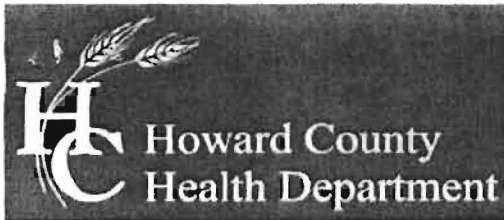
Model #	Serial #
E50 <input type="checkbox"/>	
E60 <input type="checkbox"/>	
E75 <input checked="" type="checkbox"/>	<u>E-75N-01084CA</u>
E100 <input type="checkbox"/>	
E150 <input type="checkbox"/>	

Blower Voltage	<u>Good</u>
Blower Running Amps	<u>Good</u>
Inches of water over media with blower turned off	<u>2 inch</u>
Vent Installed	<u>Yes</u>
Tanks and Risers Water tight	<u>yes</u>
Alarm Functional	<u>yes</u>

I hereby certify that the ECOPOD-N wastewater treatment system has been installed and started up in accordance with the construction permit and is in compliance with the manufacturers recommendations

Company Babylon Vault Co
Signature Steven Koontz
Printed Name Steven Koontz

Date 7/14/14



Bureau of Environmental Health

7178 Columbia Gateway Drive, Columbia, MD 21046 2147

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 13 ^(5/1/2014) day of March ²⁰¹⁴, among Rhett & Nina Hunter, 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 6214 Heather Glen Way, Clarksville, MD 21024 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 4830 Folio 6503

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.

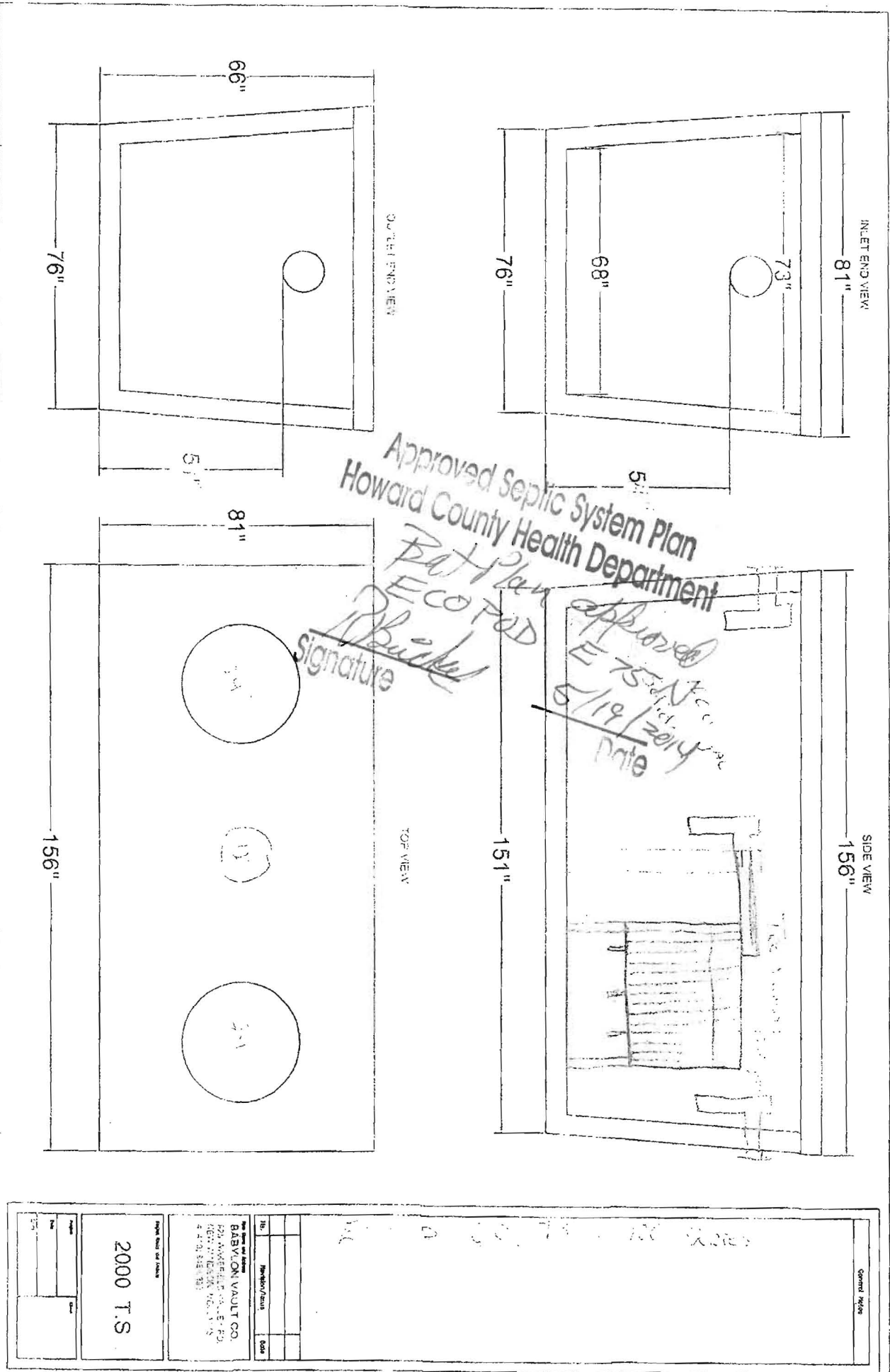
IN WITNESS WHEREOF, the parties have signed and sealed this agreement on the date indicated above.

Rhett Hunter 1/25/14
Owner Rhett Hunter Date

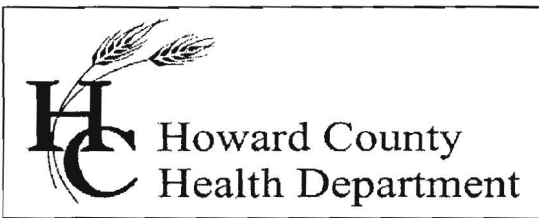
Aina Hunter 1/25/14
Owner Aina Hunter Date

Best Rifers 5/1/2014
Howard County Health Department

LR - Agreement
Recording Fee 20.00
Grantor/Grantee Name:
Hunter
Reference/Control #:
122
LR - Agreement
Surcharge 40.00
SubTotal: 60.00
Total: 180.00
#2739858-5
05/01/2014 02.55
#2739858 CCG03
Howard Co
Columbiana/CO05 03 05
Register 05 497



Sheet 3 of 3



Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046-2147
Main: 410-313-6300 | Fax: 410-313-6303
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

Date: August 22, 2013

To: Amy Ferrer, Applicant
Amy.compasshomes@gmail.com

RE: Best Available Technology (BAT) denitrification unit required at 6214 Heather Glen Way (The Preserve at Clarksville, Lot 3)

Dear Ms. Ferrer,

Please be advised that a best available technology (BAT) denitrification unit is required for treatment of wastewater discharge from the proposed dwelling at 6214 Heather Glen Way.

A BAT Site Plan is required. The BAT Site Plan must be submitted directly to the Health Department and approved prior to release of the septic system installation permit. This plan should be created by your engineer. I have enclosed a document listing the required content for a BAT Site Plan.

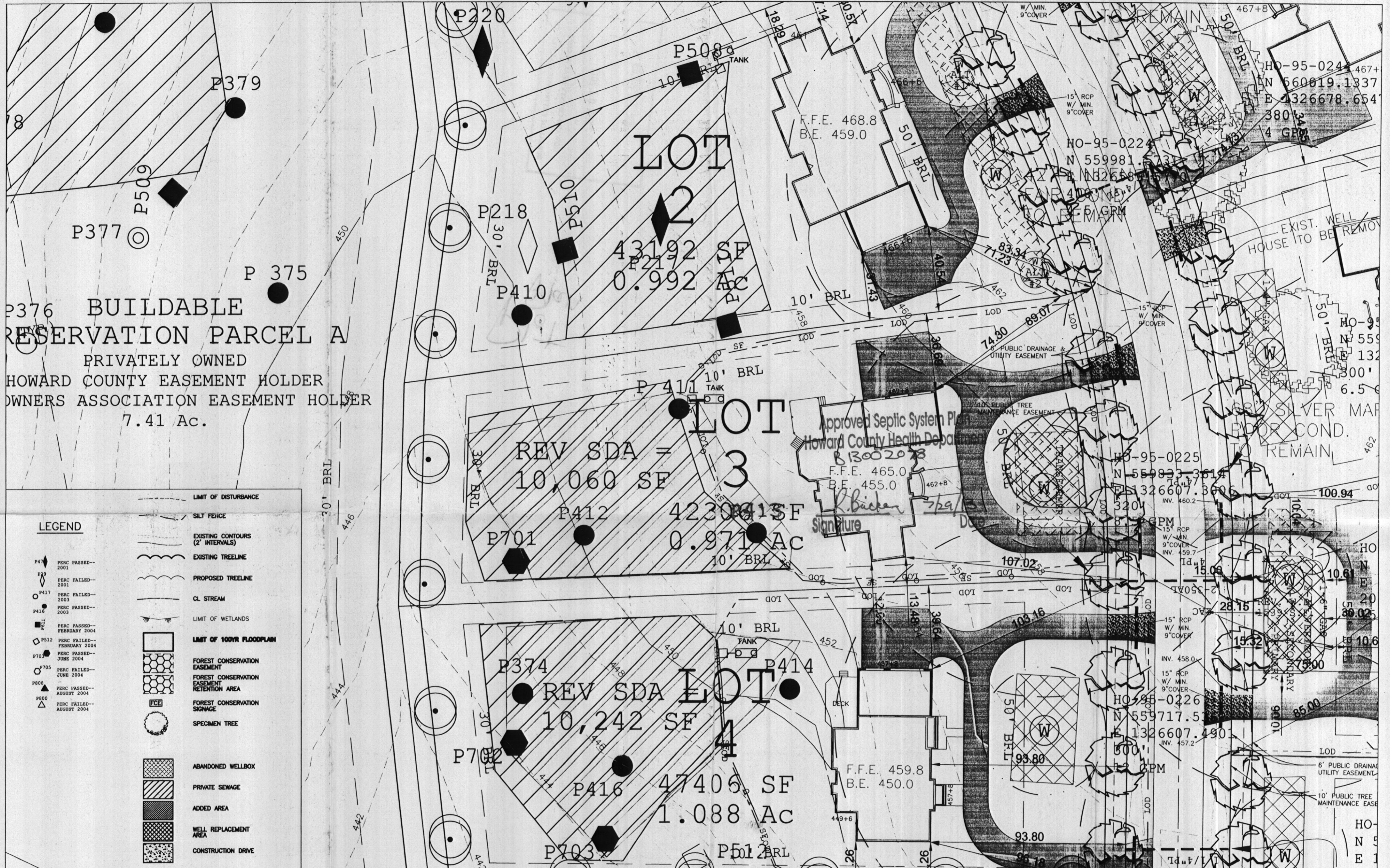
I am also attaching an Operation and Maintenance Agreement that the owner must complete, then sign and submit at our Bureau desk. Our Bureau Director will sign the agreement, and the owner will hand-carry the signed document first to the Howard County Finance Department and then to Howard County Land Records where the agreement will be recorded. We can release the septic system installation permit when we have a receipt by Land Records that indicates the agreement has been submitted for recordation.

Should you have any questions concerning this matter, you may contact me by calling 410-313-2691.

Respectfully,

Robert Bricker, REHS/R.S.
Environmental Sanitarian, Well and Septic Program
Howard County Bureau of Environmental Health

Enclosures (2)
Copy: file



P376 BUILDABLE RESERVATION PARCEL A
 PRIVATELY OWNED
 HOWARD COUNTY EASEMENT HOLDER
 OWNERS ASSOCIATION EASEMENT HOLDER
 7.41 Ac.

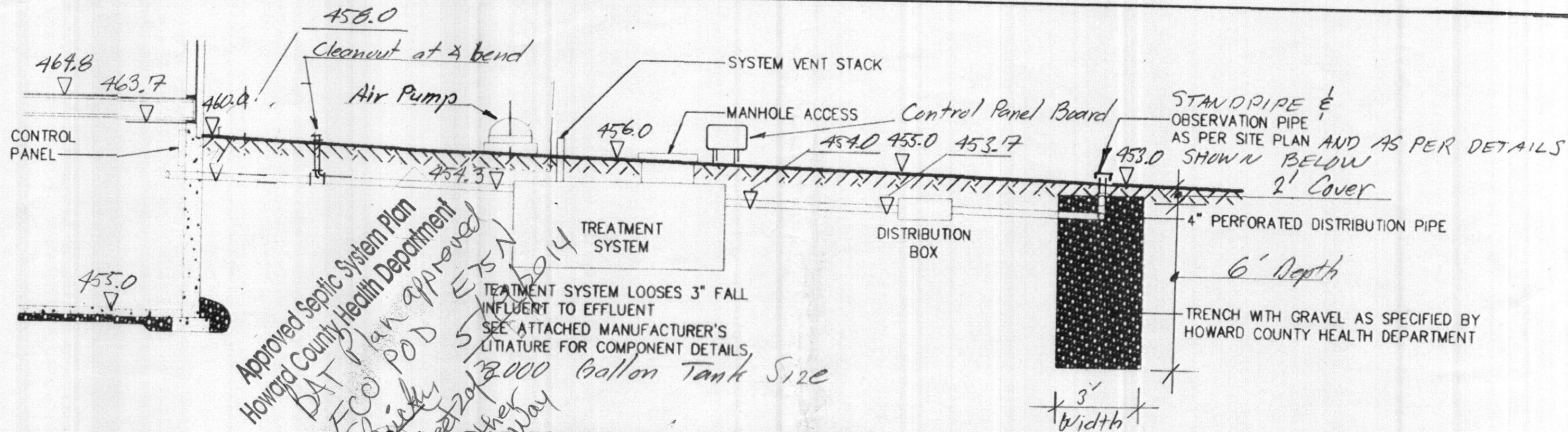
LEGEND

- PERC PASSED--2001
- PERC FAILED--2001
- PERC PASSED--2003
- PERC PASSED--2003
- PERC PASSED--FEBRUARY 2004
- PERC FAILED--FEBRUARY 2004
- PERC PASSED--JUNE 2004
- PERC PASSED--JUNE 2004
- PERC PASSED--AUGUST 2004
- PERC FAILED--AUGUST 2004

- LIMIT OF DISTURBANCE
- SILT FENCE
- EXISTING CONTOURS (2' INTERVALS)
- EXISTING TREELINE
- PROPOSED TREELINE
- CL. STREAM
- LIMIT OF WETLANDS
- LIMIT OF 100YR FLOODPLAIN
- FOREST CONSERVATION EASEMENT
- FOREST CONSERVATION EASEMENT RETENTION AREA
- FOREST CONSERVATION SIGNAGE
- SPECIMEN TREE
- ABANDONED WELLBOX
- PRIVATE SEWAGE
- ADDED AREA
- WELL REPLACEMENT AREA
- CONSTRUCTION DRIVE

GENERAL NOTES: 1. THIS AREA DESIGNATES A PRIVATE SEWAGE ARE OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE AREAS 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 SEWAGE AREA. RECORDED OF MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY. 2. THIS AREA IDENTIFIES WELL REPLACEMENT AREA ASSESSMENT. 3. THIS AREA IDENTIFIES WELL REPLACEMENT AREA ASSESSMENT. 4. TOPOGRAPHY SHOWN IS TWO-FOOT CONTOUR INTERVALS AND HAS BEEN FIELD VERIFIED OR FIELD RUN. 5. ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN. 6. EXISTING WELLS, SEPTIC SYSTEMS, AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND THOSE WITHIN 200' DOWNGRADIENT OF EXISTING OR PROPOSED SEPTIC OR SEWAGE DISPOSAL AREAS HAVE BEEN SHOWN USING ALL REASONABLE EFFORTS. 7. THE LOT SHOWN HEREON WAS RECORDED ON THE PLAT # 18214 ET. SEQ. REFER TO PLAT FOR LOT DIMENSIONS, LOT AREAS, ALL EASEMENTS, ANY RESTRICTIONS, AND PROVISIONS. 8. THE EXISTING WELLS SHOWN ON THIS PLAN HAVE BEEN FIELD LOCATED BY A PROFESSIONAL LAND SURVEYOR AND ARE ACCURATELY SHOWN. 9. TESTING AND RESULTS FOR GROSS ALPHA, GROSS BETA AND VOC'S WILL BE REQUIRED PRIOR TO USE AND OCCUPANCY.		SITE SPECIFIC NOTES 1. ALL DRIVEWAY CULVERTS ARE TO BE 15" RCP OR HDPE WITH MINIMUM 9" COVER 2. ANY WELL DRILLED WITHIN 10' OF DRIVEWAY TO BE PROTECTED WITH TWO BOLLARDS. 3. ANY WELL DRILLED WITHIN 10' OF DRIVEWAY TO BE PROTECTED WITH TWO BOLLARDS. 4. PAVING SPECIFICATIONS: 2" ASPHALT OVER 4" CR-6 OR 2.5" ASPHALT OVER 1.5" OVERLAY		PROPOSED ELEVATIONS: TOP OF BASEMENT SLAB: 455.0 TOP OF FOUNDATION WALL: 463.7 TOP OF FIRST SUBFLOOR: 464.8 INVERT OUT OF HOUSE: 458.0 INVERT INTO TANK: 454.3 INVERT OUT OF TANK: 454.0 INVERT INTO DISTRIBUTION BOX: 453.7		GRADE AT HOUSE INVERT: 460.0 GRADE AT SEPTIC TANK: 455.8 GRADE AT DISTRIBUTION BOX: 455.0 GRADE AT TRENCHES: 454.8									
APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN CONFORMANCE WITH THE MASTER PLAN OF HOWARD COUNTY. Peter Belkenson, M.D., M.P.H., HOWARD COUNTY HEALTH OFFICER		I certify that the information shown hereon is based on field work performed under my direct supervision and is correct, to the best of my knowledge and belief. Date Thompson 15 May 13		SEPTIC DESIGN PARAMETERS: 1st Floor Sq. Ft. 2607 sq.ft. 2nd Floor Sq. Ft. 2314 sq.ft. Basement Sq. Ft. 2607 sq.ft. Number of Bedrooms 5		TAGGED WELL DATA TAG NUMBER: HO-95-0225 NORTHING: 559833.3614 EASTING: 1328607.3006 WELL YIELD: 8.5 GPM WELL DEPTH: 320'		OWNER: Hunter BUILDER: Compass Homes 6206 Heather Glen Way Clarksville, MD 21029 SCALE: 1:30 DATE: 12/21/10		PROJECT NAME: Hunter Residence PC-3 PRESERVE @ CLARKSVILLE CLARKSVILLE HOWARD COUNTY MARYLAND		TITLE: PLOT PLAN LOT # 3 6214 Heather Glen Way Clarksville, Maryland 21029		PURPOSE: CONSTRUCTION OF NEW SINGLE FAMILY DETACHED DWELLING AND WELL BOX RE-CERTIFICATION	

Plot Plan



Approved Septic System Plan
 Howard County Health Department
 BAT Plan approved
 ECO POD 510014
 Signature Street 2013
 6214 Heather Glen Way

TREATMENT SYSTEM LOSES 3" FALL
 INFLUENT TO EFFLUENT
 SEE ATTACHED MANUFACTURER'S
 LITERATURE FOR COMPONENT DETAILS.
 3000 Gallon Tank Size

BAT COMPONENT CROSS SECTION

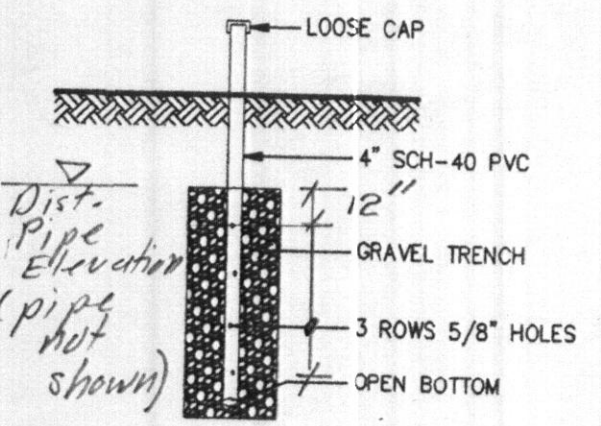
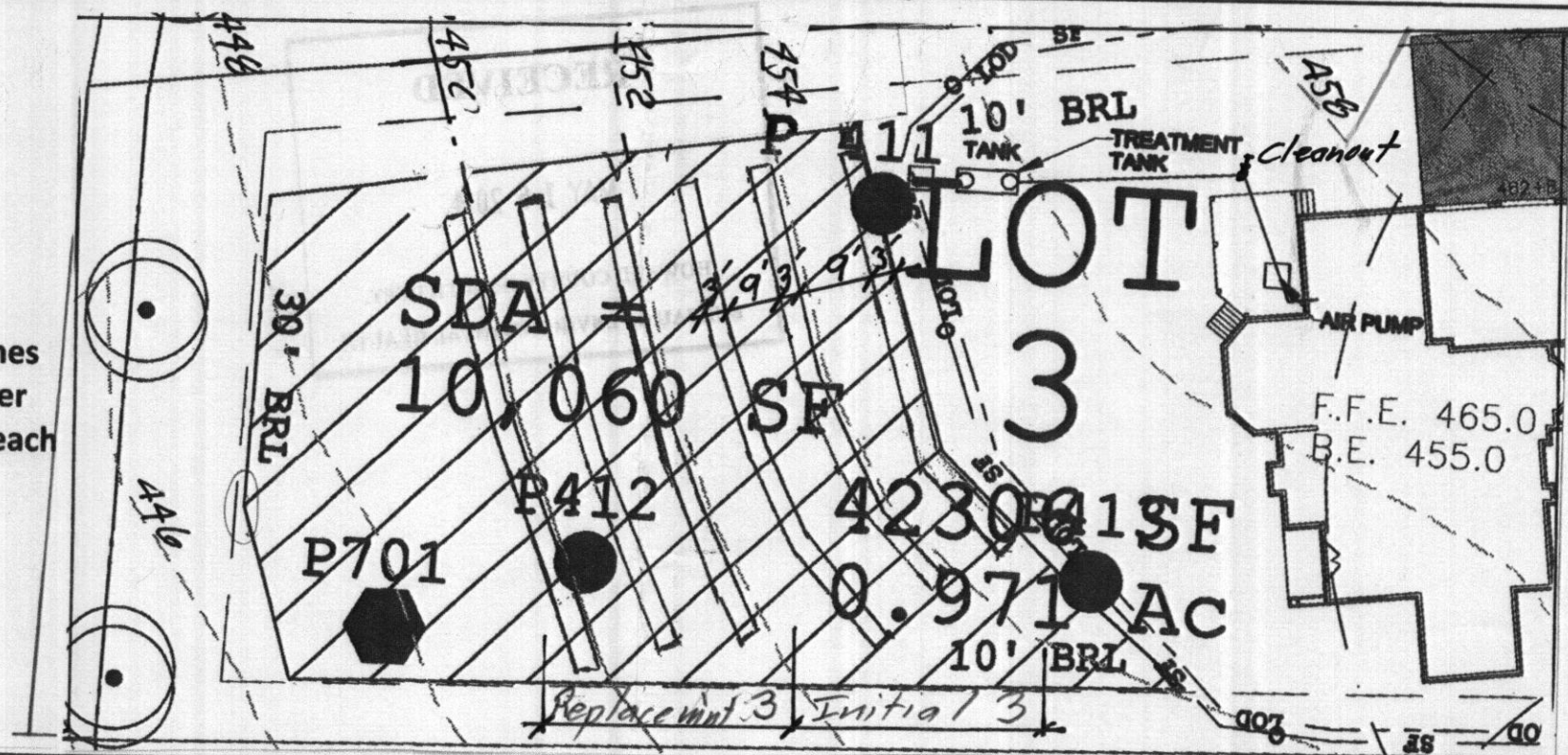
SCALE: N.T.S.

Sheet 2 of 3

TRENCH DETAILS:

- Trench Dimensions: 2 feet cover
6 feet gravel
3 feet width
- Trench Spacing: 9 feet between trenches
12 feet center to center
- Trench Length: 3 trenches at 74 feet each
222 feet total length

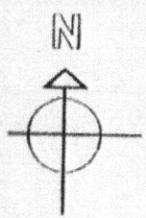
- Trench distribution pipes invert elevations:
- First trench: 452.5
 - Second trench: 451.6
 - Third trench: 450.6



3 OBSERVATION PIPE
 SCALE: N.T.S.
 (not connected to lateral distribution)

Scale: 1" = 30'

Del J. H.
 15 May 14

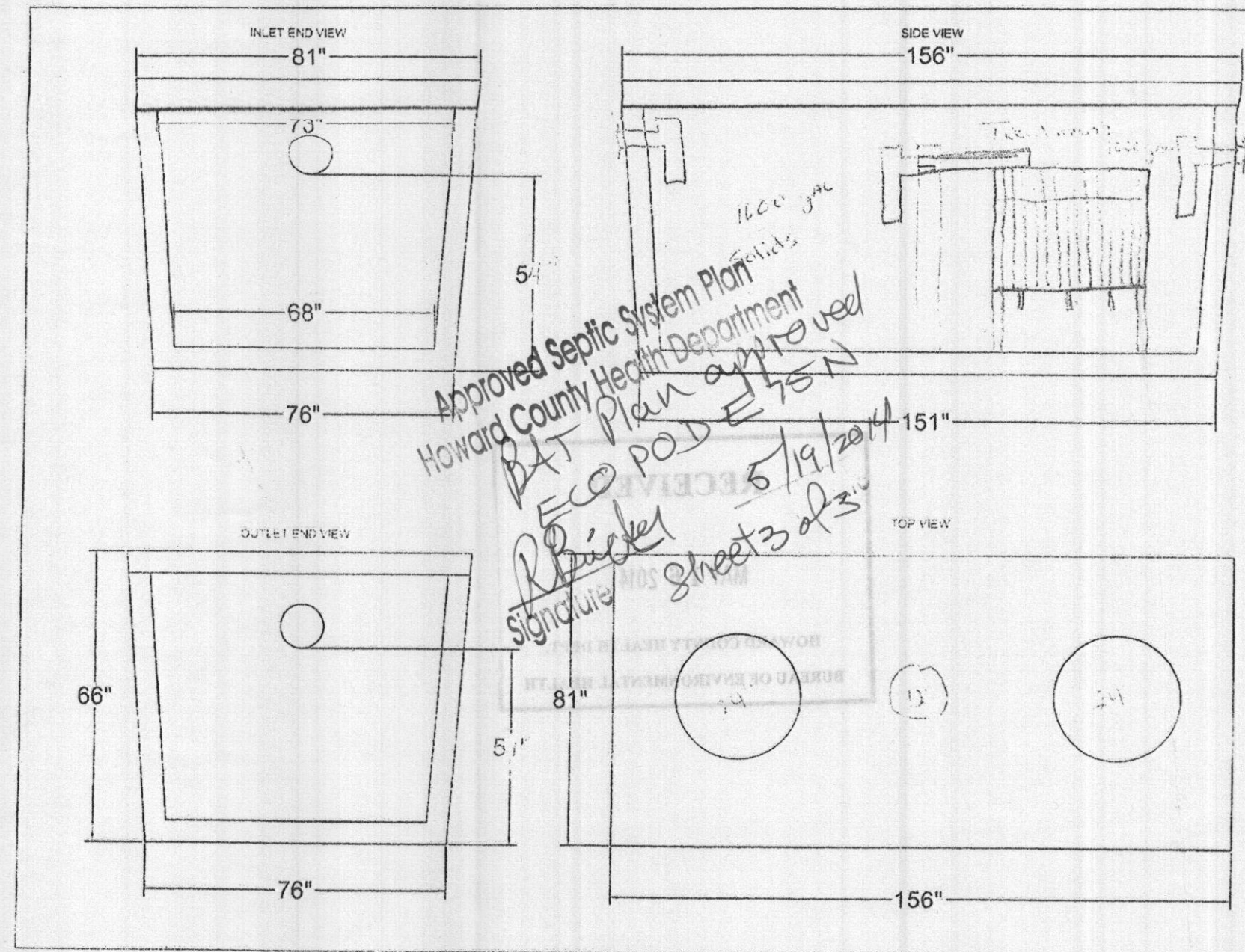


DEVELOPER: Dayton Oaks, LLC
 BUILDER: Compass Homes
 6206 Heather Glen Way
 Clarksville, MD 21029
 DATE: 12/21/10

PROJECT NAME:
 Hunter Residence
 Rhett and Nina Hunter
 5438 Meadow Pond Drive
 Ellicott City, Md 21043

TITLE:
 SITE PLAN LOT #3
 PRESERVE @ CLARKSVILLE
 HOWARD COUNTY, MD.
 6214 Heather Glen Way
 Clarksville, Maryland 21029

PURPOSE:
 SITE PLAN FOR BAT INSTALLATION



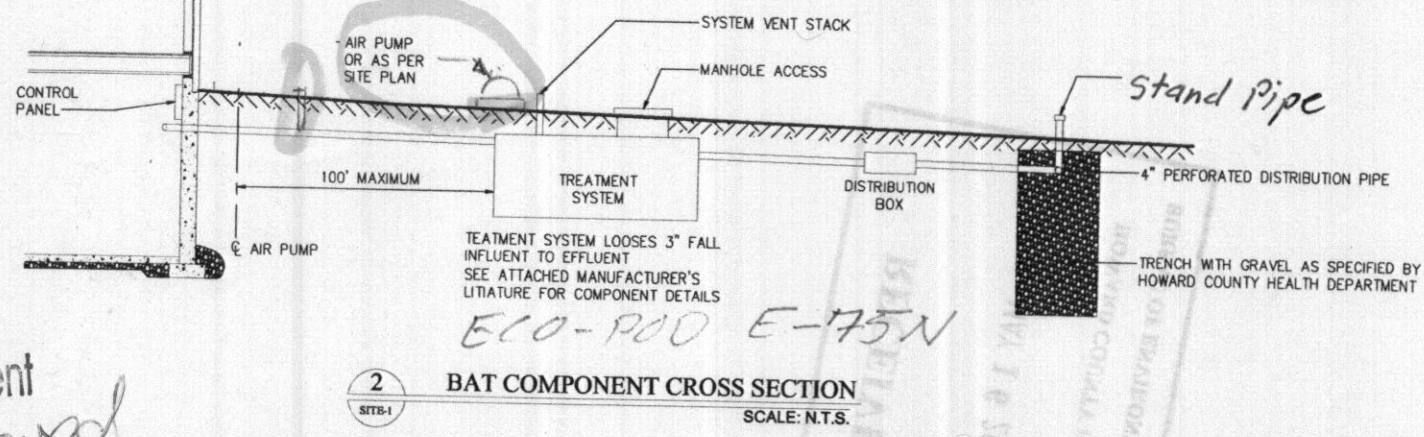
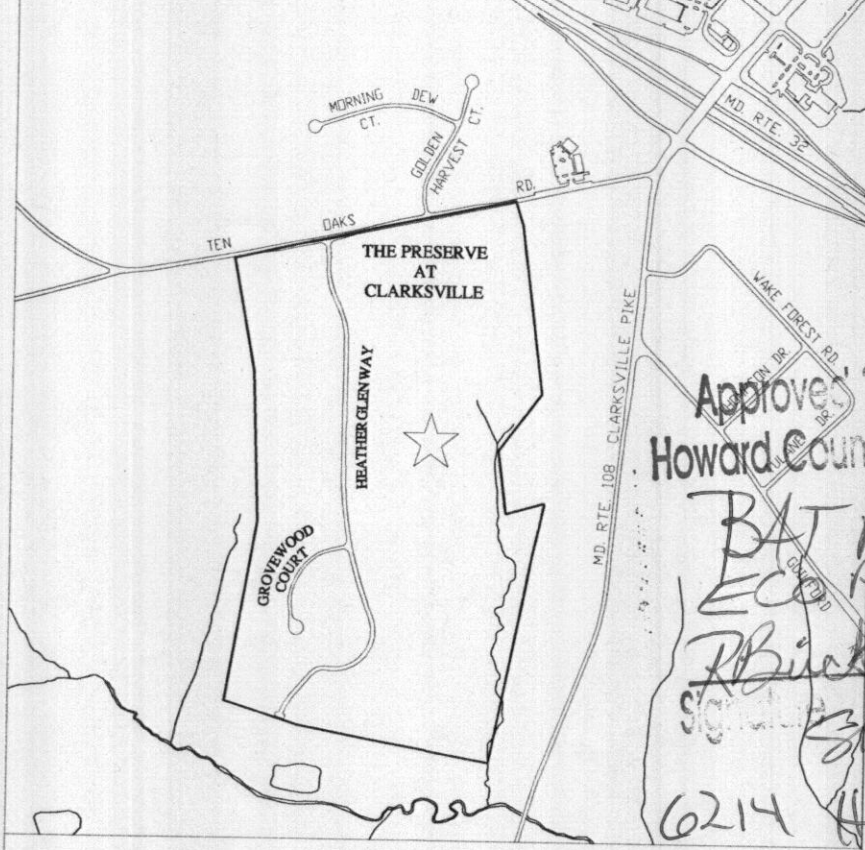
Approved Septic System Plan
 Howard County Health Department
 BHT Plan approved
 ECO PAD E 45 N
 Signature: R. Bricker
 Date: 5/19/2014
 Sheet 3 of 3

No.	Revision/Issue	Date

See Name and Address
BABYLON VAULT CO.
 425 WINTERFIELD RD. PO.
 NEW WINDSOR, MD. 21775
 410-544-1311

Project Name and Address
2000 T.S

Sheet 3 of 3



Approved by
Howard County Health Department
BAT Plan approved
ECO-POD E-75N
P. Bunker
Sheet 1 of 3
6214 Heather Glen Way

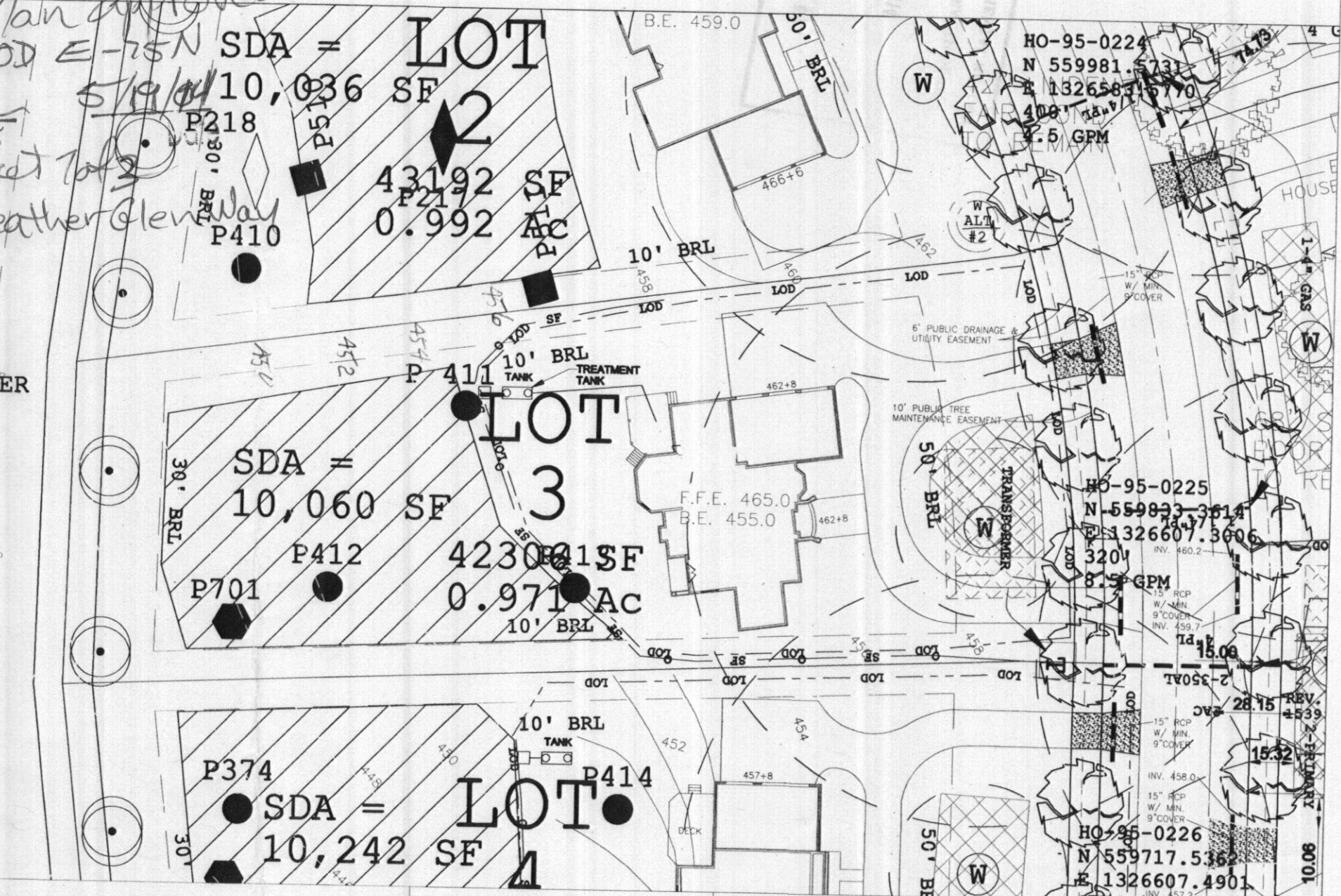
LEGEND

PERC PAVED - 2001	LIMIT OF DISTURBANCE	LIMIT OF 100YR FLOODPLAIN
PERC PAVED - 2002	SILT FENCE	FOREST CONSERVATION EASEMENT
PERC PAVED - 2003	EXISTING CONTOURS (2' INTERVALS)	FOREST CONSERVATION EASEMENT RETENTION AREA
PERC PAVED - 2004	EXISTING TREELINE	PRIVATE SEWAGE
PERC PAVED - 2005	PROPOSED TREELINE	ABANDONED WELLBOX
PERC PAVED - 2006	CL. STREAM	WELL REPLACEMENT AREA
PERC PAVED - 2007	LIMIT OF WETLANDS	CONSTRUCTION DRIVE
PERC PAVED - 2008	FOREST CONSERVATION SIGNAGE	
PERC PAVED - 2009	SPECIMEN TREE	

- BAT SITE PLAN 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 4 FEET.
 3. THE BLOWER MAY NOT BE LOCATED MORE THAN 100 FEET FROM THE TANK BASED ON 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.
 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 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.
 10. THERE ARE NO "ON LOT" STORM WATER MANAGEMENT FEATURES ON THIS LOT.
 11. THERE ARE NO STREAMS, PONDS, FLOOD PLAINS OR 25% AND GREATER SLOPES ON THIS LOT.
 12. SYSTEM DESIGNED FOR 5 BEDROOMS.

GENERAL NOTES:

1. THIS AREA DESIGNATES A PRIVATE SEWAGE ARE OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE AREAS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE AREA. RECORDATION OF MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.
2. TOPOGRAPHY SHOWN IS TWO-FOOT CONTOUR INTERVALS AND HAS BEEN FIELD VERIFIED OR FIELD RUN.
3. ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
4. EXISTING WELLS, SEPTIC SYSTEMS, AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND THOSE WITHIN 200' DOWNGRADIANT OF EXISTING OR PROPOSED SEPTIC OR SEWAGE DISPOSAL AREAS HAVE BEEN SHOWN USING ALL REASONABLE EFFORTS.
5. THE LOT SHOWN HERON WAS RECORDED ON THE PLAT # 19214 ET. SEQ. REFER TO PLAT FOR LOT DIMENSIONS, LOT AREAS, ALL EASEMENTS, ANY RESTRICTIONS, AND PROVISIONS.
6. THE EXISTING WELLS SHOWN ON THIS PLAN HAVE BEEN FIELD LOCATED BY A PROFESSIONAL LAND SURVEYOR AND ARE ACCURATELY SHOWN.
7. TESTING AND RESULTS FOR GROSS ALPHA, GROSS BETA AND VOC'S WILL BE REQUIRED PRIOR TO USE AND OCCUPANCY.



SITE SPECIFIC NOTES

1. B13002078 Plot Plan Lot #3
2. ALL DRIVEWAY CULVERTS ARE TO BE 15" RCP OR HDPE WITH MINIMUM 9" COVER
3. ANY WELL DRILLED WITHIN 10' OF DRIVEWAY TO BE PROTECTED WITH TWO BOLLARDS.
4. PAVING SPECIFICATIONS: 2" ASPHALT OVER 4" CR-6 OR 2.5" ASPHALT OVER 1.5" OVERLAY

PROPOSED ELEVATIONS:

TOP OF BASEMENT SLAB:	455.0	GRADE AT HOUSE INVERT:	460.0
TOP OF FOUNDATION WALL:	463.7	GRADE AT SEPTIC TANK:	455.8
TOP OF FIRST SUBFLOOR:	464.8	GRADE AT DISTRIBUTION BOX:	465.0
INVERT OUT OF HOUSE:	458.0	GRADE AT TRENCHES:	454.8
INVERT INTO TANK:	454.3		
INVERT OUT OF TANK:	454.0		
INVERT INTO DISTRIBUTION BOX:	453.7		

APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS IN CONFORMANCE WITH THE MASTER PLAN OF HOWARD COUNTY.

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

I certify that the information shown hereon is based on field work performed under my direct supervision and is correct, to the best of my knowledge and belief.

Date Thompson

SEPTIC DESIGN PARAMETERS:

1st Floor Sq. Ft.	2607 sq. ft.
2nd Floor Sq. Ft.	2314 sq. ft.
Basement Sq. Ft.	2607 sq. ft.
Number of Bedrooms	5

TAGGED WELL DATA

TAG NUMBER:	HO-95-0225
NORTHING:	559833.3614
EASTING:	1326607.3006
WELL YIELD:	8.5 GPM
WELL DEPTH:	309'

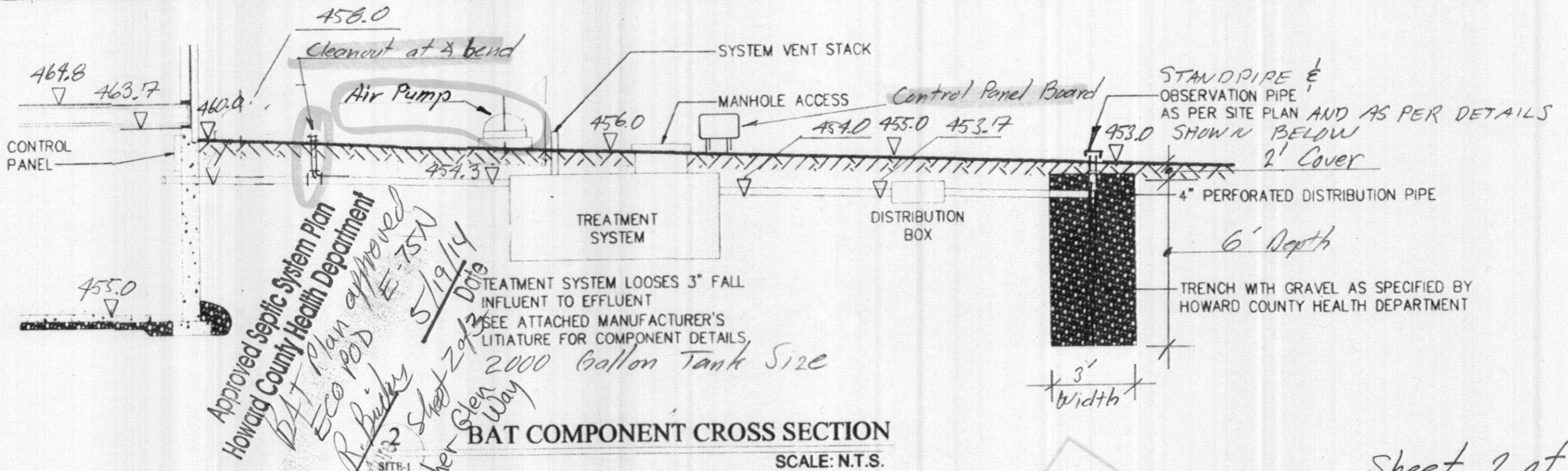
DEVELOPER: Dayton Oaks, LLC
BUILDER: Compass Homes
6205 Heather Glen Way
Clarksville, MD 21029
DATE: 12/21/10

PROJECT NAME: Hunter Residence
Rhhett and Nina Hunter
5436 Meadow Pond Drive
Ellicott City, Md 21043

TITLE: SITE PLAN LOT #3
PRESERVE @ CLARKSVILLE
HOWARD COUNTY, MD.
6214 Heather Glen Way
Clarksville, Maryland 21029

Sheet 1 of 3

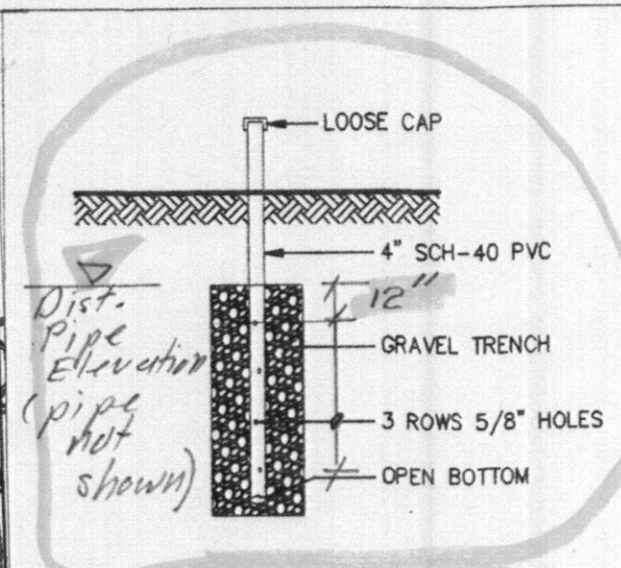
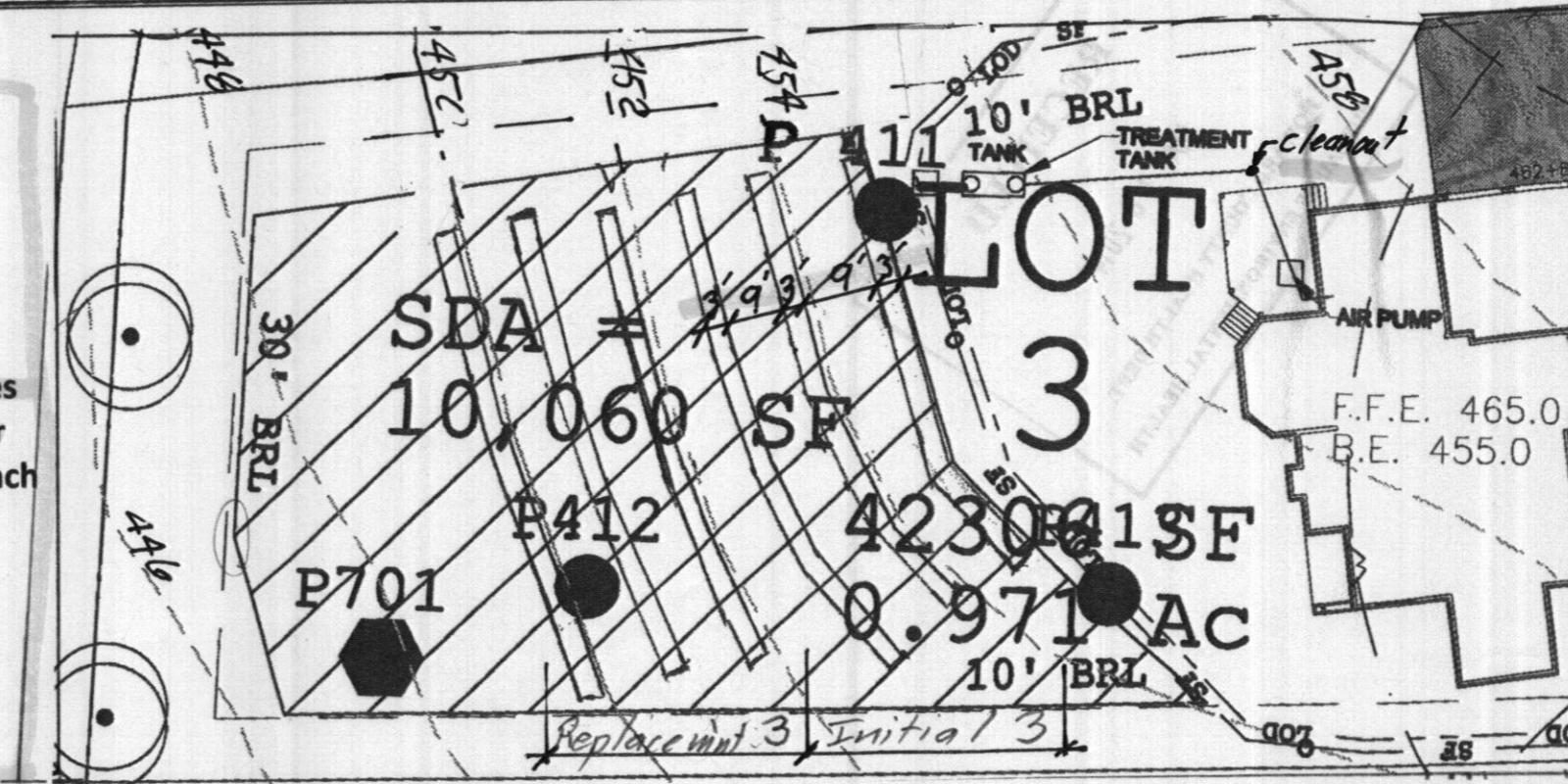
PURPOSE: SITE PLAN FOR BAT INSTALLATION



Sheet 2 of 3

TRENCH DETAILS:

- Trench Dimensions:** 2 feet cover
6 feet gravel
3 feet width
- Trench Spacing:** 9 feet between trenches
12 feet center to center
- Trench Length:** 3 trenches at 74 feet each
222 feet total length
- Trench distribution pipes invert elevations:**
- First trench: 452.5
 - Second trench: 451.6
 - Third trench: 450.6



3 OBSERVATION PIPE
SCALE: N.T.S.
(not connected to lateral distribution)

Scale = 1" = 30'



DEVELOPER: Dayton Oaks, LLC
BUILDER: Compass Homes
6206 Heather Glen Way
Clarksville, MD 21029
DATE: 12/21/10

PROJECT NAME:
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Rhett and Nina Hunter
5436 Meadow Pond Drive
Ellicott City, Md 21043

TITLE:
SITE PLAN LOT #3
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PURPOSE:
SITE PLAN FOR BAT INSTALLATION