



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: 6/12/2014 **ONSITE SEWAGE DISPOSAL SYSTEM**

554504

INSTALLATION  
 APPROVAL DATE: 7/7/2014

**PERMIT  
 CONSTRUCTION**

A \_\_\_\_\_

PROPERTY ADDRESS: 6211 Heather Glen Way

SUBDIVISION: Preserve at Clarksville LOT: 32 TAX ID: 05-448476

CONTRACTOR: \_\_\_\_\_ EMAIL: \_\_\_\_\_

CONTRACTOR ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_

PROPERTY OWNER: Compass Homes EMAIL: \_\_\_\_\_

OWNER ADDRESS: 6206 Heather Glen Way, Clarksville, MD 21029 PHONE: \_\_\_\_\_

BAT UNIT MODEL: Ecopod E60 NW/LPD BAT UNIT SIZE: \_\_\_\_\_

PUMP CHAMBER CAPACITY (GALLONS): \_\_\_\_\_ PUMP SIZE: \_\_\_\_\_

NUMBER OF BEDROOMS: 4 HOUSE SQ. FT. +3900 APPLICATION RATE: 1.2

DISTRIBUTION SYSTEM: GRAVITY FED  LOW PRESSURE DOSED

TRENCHES:	LINEAR FEET REQUIRED: <u>142'</u>	INLET DEPTH: <u>2</u>
	TRENCH WIDTH: <u>2</u>	MAXIMUM BOTTOM DEPTH: <u>7</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>12</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>5</u>
LOCATION:	<b>PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND BAT UNIT LOCATION MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.</b>	
NOTES:	Set BAT unit per plan. FYI: Lateral and 1/2 perforation is 1/2 perforation far end of trench. First perforation is 1/2 perforation space from beginning of trench	

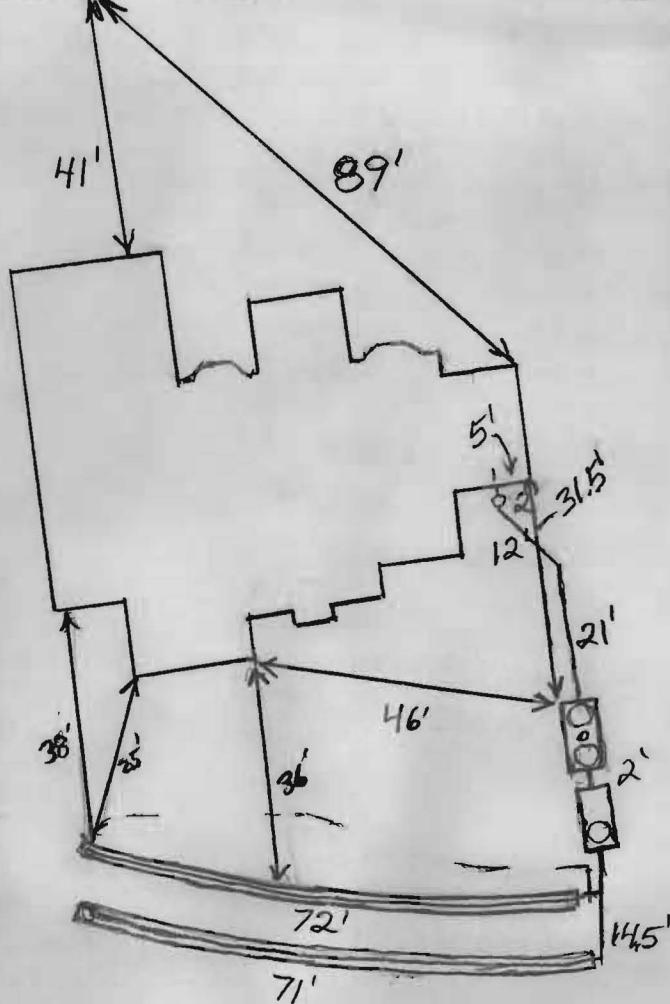
ISSUED BY: Robert Bricker ISSUE DATE: \_\_\_\_\_ EXPIRATION DATE: \_\_\_\_\_

- 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-95-0244

(30)



ROAD NAME

**TRENCH/DRAINFIELD DATA**

WIDTH	INLET	BOTTOM
2'	2'	7'
NUMBER OF TRENCHES		2
TOTAL LENGTH		143'
ABSORPTION AREA		286
DISTRIBUTION BOX LEVEL		N/A
DISTRIBUTION BOX BAFFLE		N/A
DISTRIBUTION BOX PORT		N/A

**SEPTIC TANK DATA**

SEPTIC TANK I LEVEL	Yes
MANUFACTURER	Ecopod Babylon
CAPACITY	2000 GAL
SEAM LOC	Top
TANK LID DEPTH	2'-3'
BAFFLES	Front
BAFFLE FILTER	
MANHOLE LOC	Front+Rear
6" PORT LOC	Middle
WATERTIGHT TEST	No
SLOTTED	N/A
DATE ON LID	Dry

**PUMP/SEPTIC TANK LEVEL**

SEPTIC TANK LEVEL	Yes
MANUFACTURER	Babylon
CAPACITY	1500 GAL
SEAM LOC	Top
TANK LID DEPTH	0.5'-2'
BAFFLES	No
BAFFLE FILTER	No
MANHOLE LOC	Rear
6" PORT LOC	None
WATERTIGHT TEST	No
SLOTTED	No
DATE ON LID	Dry

**PRE-CONSTRUCTION:**

6/16/2014 Met with Dale Thompson and Metcalf Construction. Will on easement where trenches are supposed to go must be moved. O.K. to set tanks with Babylon Vaults supervision. Don't know if a sample port is required for the Ecopod Unit. Keep tanks shallow. BB

**INSTALLATION:**

6/17/2013 Digging tank holes. BB 6/18/2014 Tanks set. House connection made. Laid out top trench. BB  
6/19/2014 (AM) Contractors started on trench. O.K. to add gravel. BB 6/19/14 Contractor had top trench dug and started to lateral about. Pipe lateral placed together, holes measured and drilled. Tanks install. OK to finish and cover top trench. Told contractor and builder to be on-site too dirty. Does not need to be caked (too much fuge, clay's). Must use different stone for other trench. (KW) 6/23/2014 Top trench done. Checked lateral in bottom trench. Looks good. O.K. to cover everything. BB

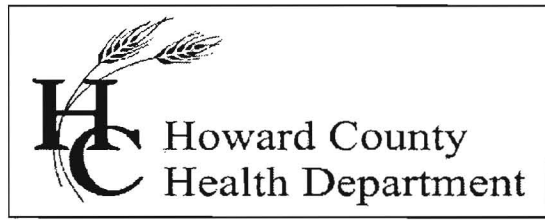
FINAL INSPECTOR

B. Baper

DATE OF APPROVAL

7/7/2014

7/3/2014 Pump and alarm working. Need to move electrical box to outside of tank. BB 7/7/2014 Box moved to outside of tank. BB



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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](http://www.hchealth.org)  
Facebook: [www.facebook.com/hocohealth](https://www.facebook.com/hocohealth)  
Twitter: HowardCoHealthDep

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

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Date: August 22, 2013

To: Amy Ferrer, Applicant  
[Amy.compasshomes@gmail.com](mailto:Amy.compasshomes@gmail.com)

RE: Best Available Technology (BAT) denitrification unit and low-pressure distribution (LPD) system required at 6211 Heather Glen Way, (The Preserve at Clarksville, Lot 32)

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 6211 Heather Glen Way. Effluent from the BAT unit will be pumped to the drainfield and disbursed through a low-pressure distribution (LPD) system.

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. The LPD design should be incorporated with the BAT Site Plan. 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, sign and submit at our Bureau desk. Our Bureau Director will then 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

26' E

N 71°58'12" E

309.62'

*Wall check*  
*OK*  
*10/10/14*

30' R  
EX WELL  
HO-95-024

S 11°10'39" W  
39.77'  
100' R

EX WELL

B.R.L.

B.R.L.

B.R.L.

B.R.L.

REV SDA =  
10,041 SF

LOT 32  
46,910 SQ. FT.  
1.077 Ac.

35±

18±

10'

30'

196±

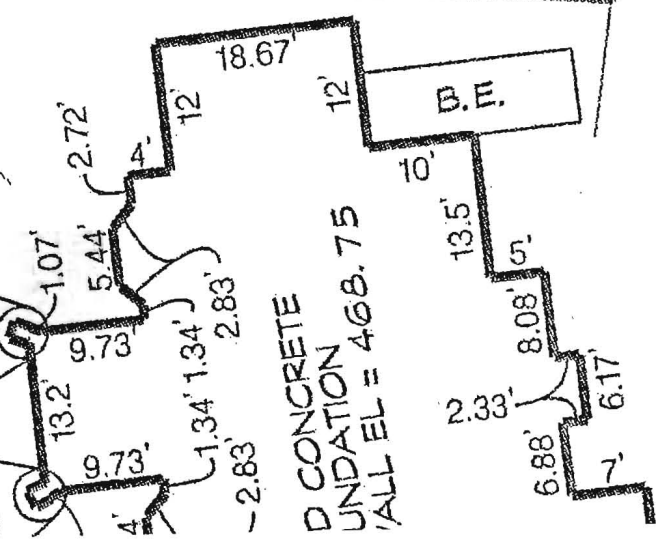
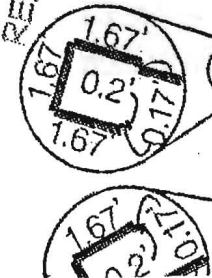
S 13°09'25" E 150'

S 75°21'49" W

282.92'

LOT 31

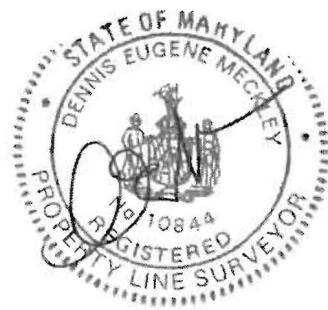
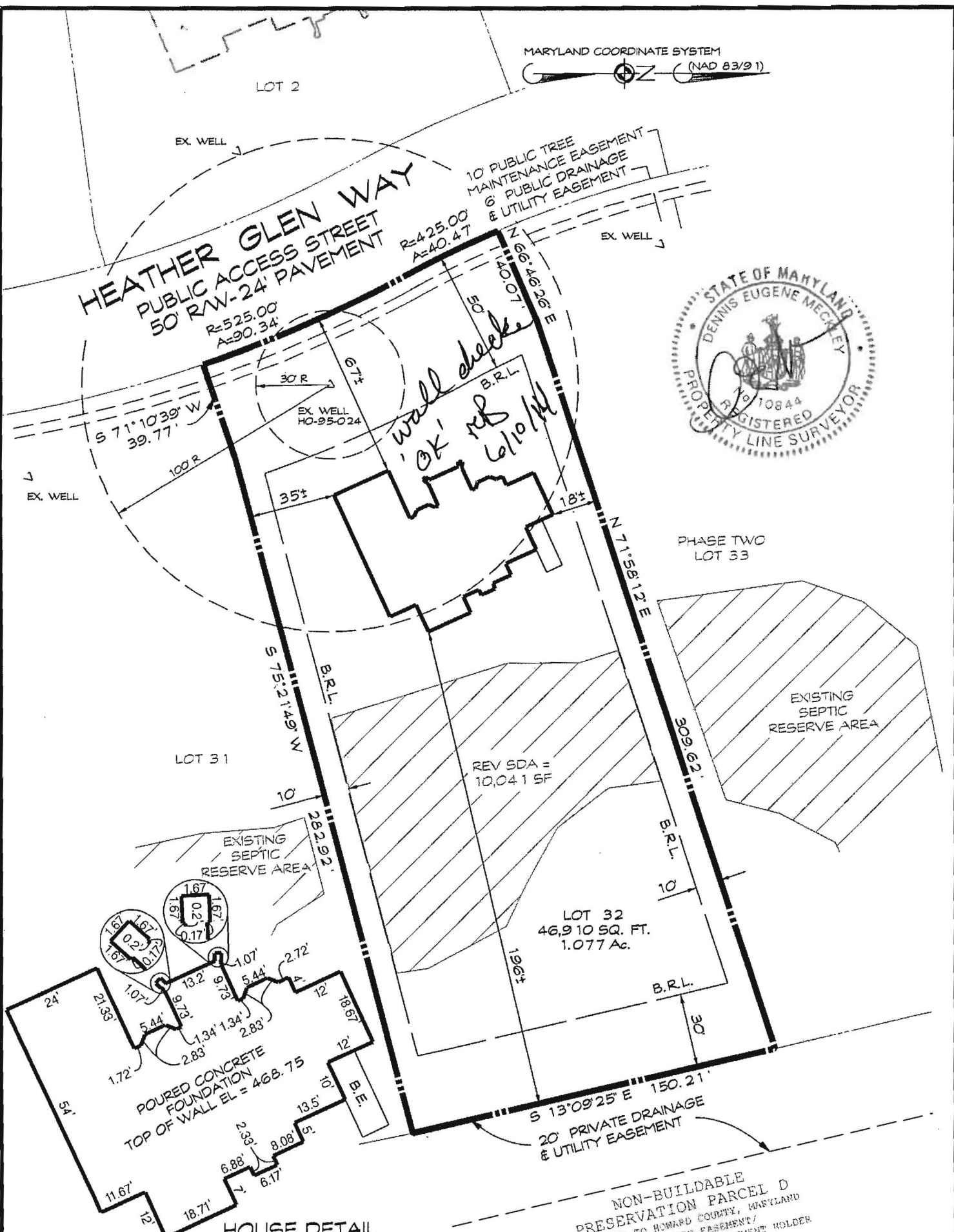
EXISTING SEPTIC RESERVE AREA



D CONCRETE  
FOUNDATION  
ALL EL = 468.75

B.E.

10'



I hereby certify that I have surveyed the property shown hereon for the sole purpose of locating the improvements. This plan is a benefit to the customer only in so far as it is required by a lender or a title insurance company or its agent in connection with contemplated transfer, financing or refinancing. It is not to be relied upon for the establishment of boundary, easement or right-of-way lines for any reason, such as the location of fences, garages, buildings, or other existing or future improvements. Offsets of buildings to property lines are to the nearest foot (1') unless otherwise noted.

By: *Dennis E. Meckley* Date: 10/14/13  
Dennis E. Meckley Property Line Surveyor No. 10844  
License expires March 28, 2014

A licensed Maryland Surveyor either personally prepared this Location Drawing, or was in responsible charge over its preparation and the surveying work reflected in it, in compliance with the Maryland Minimum Standards of Practice for Land Surveyors. (COMAR 09-13-06.06 AND .12)

FOUNDATION CERTIFICATION  
LOT 32  
#6211 HEATHER GLEN WAY  
THE PRESERVE AT CLARKSVILLE  
HEATHER GLEN WAY  
5th ELECTION DISTRICT • HOWARD COUNTY, MARYLAND  
RECORDED IN PLAT 19215



439 East Main Street Westminister, MD 21157-5539  
(410) 848-1790 FAX (410) 848-1791

DRAWN BY:	KMB
DESIGN BY:	
REVIEW BY:	DEM
DATE:	10-09-13
SCALE:	1" = 50'
JOB NO:	2007035
SHEET:	1 OF 1



## Bureau of Environmental Health

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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 <sup>(5/1/2014)</sup> 17<sup>th</sup> day of March, 2014, among Kiho Ma + Euriyong Park, 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 6211 Heather Glen 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 14866 Folio 00211.

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.

[Signature] 3/17/14  
Owner Kibo Ma Date

Cum Park 3-17-14  
Owner Eurijong Park Date

[Signature] 5/1/2014  
Howard County Health Department

LR - Agreement  
Recording Fee 20.00  
Grantor/Grantee Name:  
Park  
Reference/Control #: 121  
LR - Agreement  
Surcharge 00.00  
Subtotal: 60.00  
Total: 180.00  
#2739858-9 02:55  
05/01/2014  
#2739858-00503 - C013-05  
Howard Co  
Columbia/CO5-03-05 -  
Register 05-497



CENTER

**THE RECYCLING CENTER**

14852 Old Gunpowder Road  
Laurel, Maryland 20707

Phone: (301) 953-1424

(410) 792-2999

Fax: (301) 317-8003

003392  
816011

NAME: *Compass Homes*  
ADDRESS:

ACCOUNT: *Compass Homes*  
PO#: *Heathrow Glen*  
*Lot # 32*

DATE: *6/17/14*

GROSS:  
EMPTY:  
NET:

TRUCK: *ASH*  
TIME:

QTY

DESCRIPTION

*Washed #2" stone*

tn

CRUSHED

STONECRUSHED

STONE

*20.61*

TAX  
DELIVERY CHARGES  
SURCHARGE  
TOTAL DUE

Signature

NOTE: SCALE READINGS ARE TAKEN MANUALLY

CENTER

A Finance Charge of 1 1/2% per month (18% per year) will be added to all invoices not paid in 30 days. Should buyer default in payment and seller commences suit or employs an attorney to remedy such default, buyer shall pay seller reasonable attorney's fees and legal expenses, whether or not litigation has commenced.



**THE RECYCLING CENTER**

14852 Old Gunpowder Road  
Laurel, Maryland 20707

Phone: (301) 953-1424  
(410) 792-2999  
Fax: (301) 317-8003

001677

#816015

**CENTER**

NAME:  
ADDRESS: *Compass Homes*

ACCOUNT: *Compass Homes*  
PO#: *HEATHER CLEN*

DATE: *6/17/14*

GROSS:  
EMPTY:  
NET:

TRUCK: *AD5*  
TIME:

QTY

DESCRIPTION

*WASH 2' INCH STONES*

*20.82*

tn

CRUSHED

STONECRUSHED

STONE

TAX  
DELIVERY CHARGES  
SURCHARGE  
TOTAL DUE

Signature

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**CENTER**

A Finance Charge of 1 1/2% per month (18% per year) will be added to all invoices not paid in 30 days. Should buyer default in payment and seller commences suit or employs an attorney to remedy such default, buyer shall pay seller reasonable attorney's fees and legal expenses, whether or not litigation has commenced.



**THE RECYCLING CENTER**

14852 Old Gunpowder Road  
Laurel, Maryland 20707

003435

Phone: (301) 953-1424  
(410) 792-2999  
Fax: (301) 317-8003

NAME:  
ADDRESS:

*Heather Glen*

ACCOUNT:  
PO#:

*Compass*

DATE:

*6/17/14*

GROSS:  
EMPTY:  
NET:

TRUCK:  
TIME:

*Anthony Z.*

*27.21* QTY

DESCRIPTION

tn  CRUSHED  STONECRUSHED  STONE

*Washed 2 FN*

TAX  
DELIVERY CHARGES  
SURCHARGE  
TOTAL DUE

Signature

*[Handwritten Signature]*

NOTE: SCALE READINGS ARE TAKEN MANUALLY

CENTER

A Finance Charge of 1 1/2% per month (18% per year) will be added to all invoices not paid in 30 days. Should buyer default in payment and seller commences suit or employs an attorney to remedy such default, buyer shall pay seller reasonable attorney's fees and legal expenses, whether or not litigation has commenced.



**THE RECYCLING CENTER**

14852 Old Gunpowder Road  
Laurel, Maryland 20707

Phone: (301) 953-1424  
(410) 792-2999  
Fax: (301) 317-8003

NAME:  
ADDRESS:

COMPASS  
HOMES  
7500 BARKS, MD  
LOT #22

ACCOUNT:  
PO#:

# 002124  
B16071  
OLD GUNPOWDER  
RD  
RECYCLING CNT

DATE: 6-1-14

GROSS:  
EMPTY:  
NET:

TRUCK:  
TIME:

#90

QTY

DESCRIPTION

WASH SUITE 23

tn

CRUSHED

STONECRUSHED

STONE

21.71

TAX  
DELIVERY CHARGES  
SURCHARGE  
TOTAL DUE

Signature

Nobody on Site

NOTE: SCALE READINGS ARE TAKEN MANUALLY

CENTER

A Finance Charge of 1 1/2% per month (18% per year) will be added to all invoices not paid in 30 days. Should buyer default in payment and seller commences suit or employs an attorney to remedy such default, buyer shall pay seller reasonable attorney's fees and legal expenses, whether or not litigation has commenced.



**THE RECYCLING CENTER**

14852 Old Gunpowder Road  
Laurel, Maryland 20707

003182

Phone: (301) 953-1424  
(410) 792-2999  
Fax: (301) 317-8003

NAME:  
ADDRESS:

Compass  
Homes

ACCOUNT:  
PO#:

Heather Glen

DATE:

6-17-14

GROSS:  
EMPTY:  
NET:

TRUCK:

11113

TIME:

3PM

Lot 32

QTY DESCRIPTION

2 washed

tn  CRUSHED  STONECRUSHED  STONE

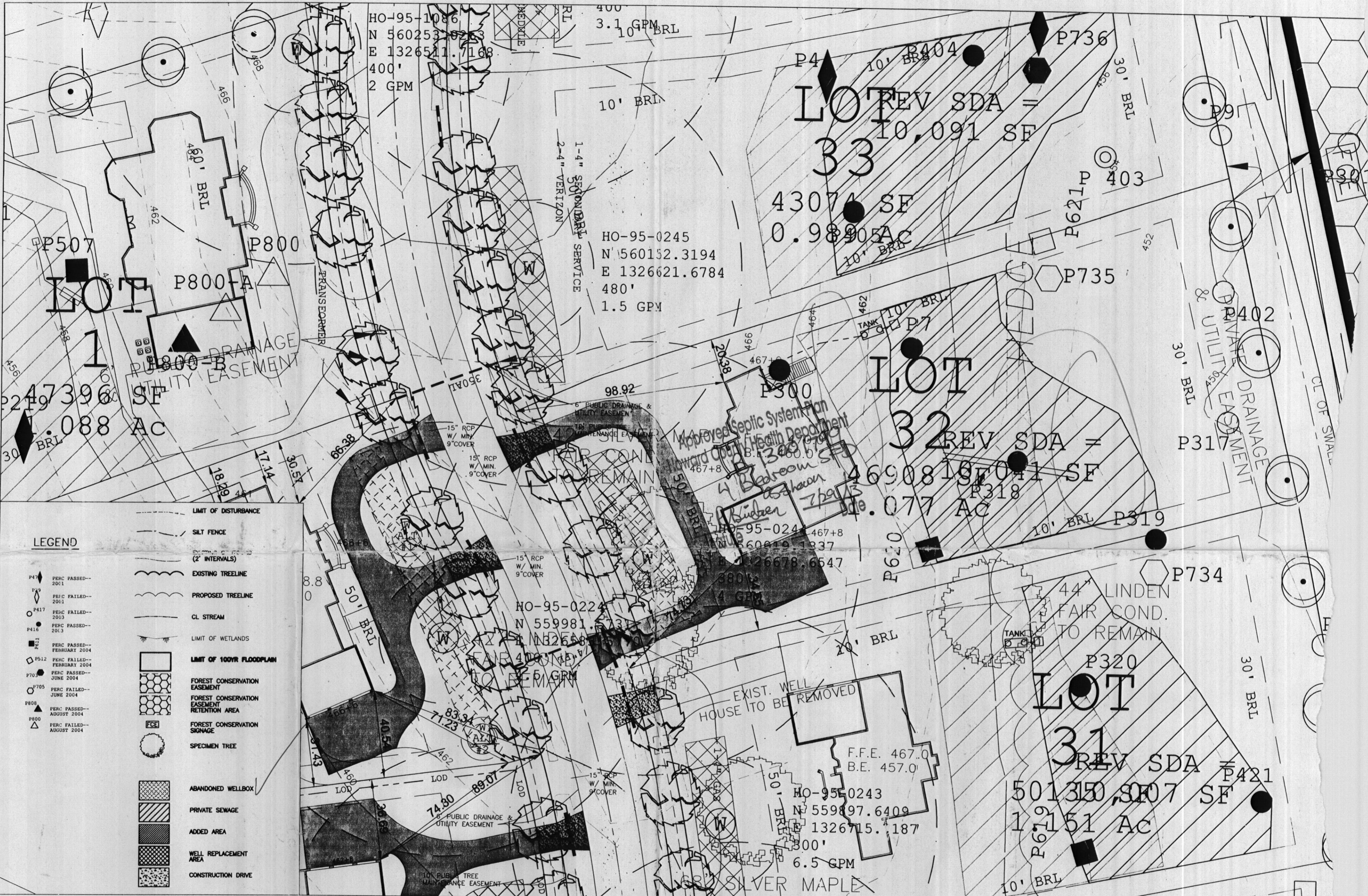
TAX  
DELIVERY CHARGES  
SURCHARGE  
TOTAL DUE

Signature

NOTE: SCALE READINGS ARE TAKEN MANUALLY

CENTER

A Finance Charge of 1 1/2% per month (18% per year) will be added to all invoices not paid in 30 days. Should buyer default in payment and seller commences suit or employs an attorney to remedy such default, buyer shall pay seller reasonable attorney's fees and legal expenses, whether or not litigation has commenced.



**LEGEND**

- PERC PASSED/FAILED (2001-2004) symbols
- LIMIT OF DISTURBANCE
- SILT FENCE
- EXISTING TREELINE (2' INTERVALS)
- 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:**

- THIS AREA DESIGNATES A PRIVATE SEWAGE AREA 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. RECORDATION OF MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.
- This area is abandoned as per previously revised and approved perc. cert. plat.
- This area identifies well replacement area.
- TOPOGRAPHY SHOWN IS TWO-FOOT CONTOUR INTERVALS AND HAS BEEN FIELD VERIFIED OR FIELD RUN.
- ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
- 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.
- THE LOT SHOWN HEREON WAS RECORDED ON THE PLAT # 19214 ET. SEC. REFER TO PLAT FOR LOT DIMENSIONS, LOT AREAS, ALL EASEMENTS, ANY RESTRICTIONS, AND PROVISIONS.
- THE EXISTING WELLS SHOWN ON THIS PLAN HAVE BEEN FIELD LOCATED BY A PROFESSIONAL LAND SURVEYOR AND ARE ACCURATELY SHOWN.
- TESTING AND RESULTS FOR GROSS ALPHA, GROSS BETA AND VOC'S WILL BE REQUIRED PRIOR TO USE AND OCCUPANCY.

**SITE SPECIFIC NOTES**

- B13001799 Plot Plan Lot # 32
- ALL DRIVEWAY CULVERTS ARE TO BE 15" RCP OR HDPE WITH MINIMUM 9" COVER
- ANY WELL DRILLED WITHIN 10' OF DRIVEWAY TO BE PROTECTED WITH TWO BOLLARDS.
- PAVING SPECIFICATIONS: 2" ASPHALT OVER 4" CR-6 OR 2.5" ASPHALT OVER 1.5" OVERLAY

**PROPOSED ELEVATIONS:**

TOP OF BASEMENT SLAB:	460.2
TOP OF FOUNDATION WALL:	468.8
TOP OF FIRST SUBFLOOR:	470.0
INVERT OUT OF HOUSE:	465.0
INVERT INTO TANK:	460.0
INVERT OUT OF TANK:	459.5
INVERT INTO DISTRIBUTION BOX:	459.3

**GRADE AT HOUSE INVERT:**  
**GRADE AT SEPTIC TANK:**  
**GRADE AT DISTRIBUTION BOX:**  
**GRADE AT TRENCHES:**

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

Peter Bellinson, 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.

*[Signature]*  
 Dale Thompson

**SEPTIC DESIGN PARAMETERS:**

1st Floor Sq. Ft.	2363 sq. ft.
2nd Floor Sq. Ft.	2098 sq. ft.
Basement Sq. Ft.	2363 sq. ft.
Number of Bedrooms	4

**TAGGED WELL DATA**

TAG NUMBER:	HO-95-0244
NORTHING:	560019.1337
EASTING:	1326678.6547
WELL YIELD:	4 GPM
WELL DEPTH:	380'

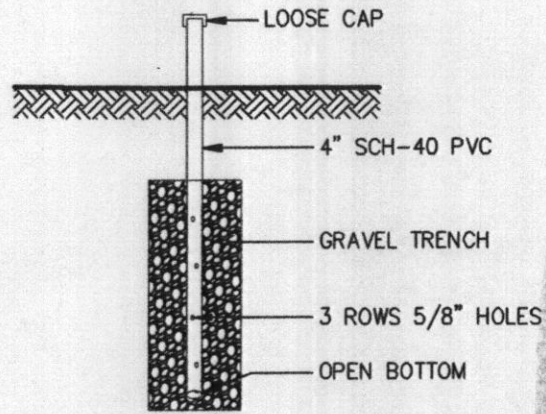
**OWNER:** Ma  
**BUILDER:** Compass Homes  
 6206 Heather Glen Way  
 Clarksville, MD 21029

**PROJECT NAME:**  
 Ma Residence  
 PC-32  
 PRESERVE @ CLARKSVILLE  
 CLARKSVILLE  
 HOWARD COUNTY  
 MARYLAND

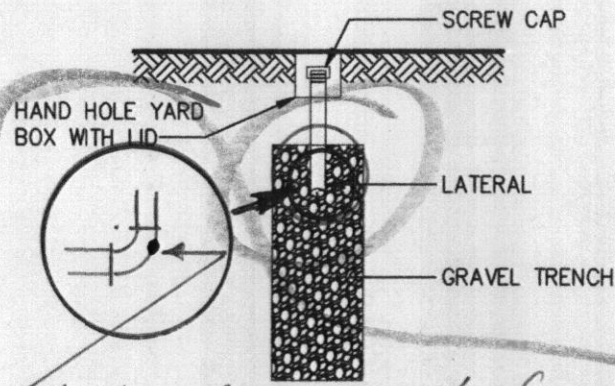
**TITLE:**  
 REVISED PERCOLATION  
 CERTIFICATION PLAN REVISION  
 LOT #32  
 6211 Heather Glen Way  
 Clarksville, Maryland 21029

**PURPOSE:**  
 CONSTRUCTION OF NEW  
 FAMILY DETACHED DWEL  
 AND WELL BOX RE-CERTIFI

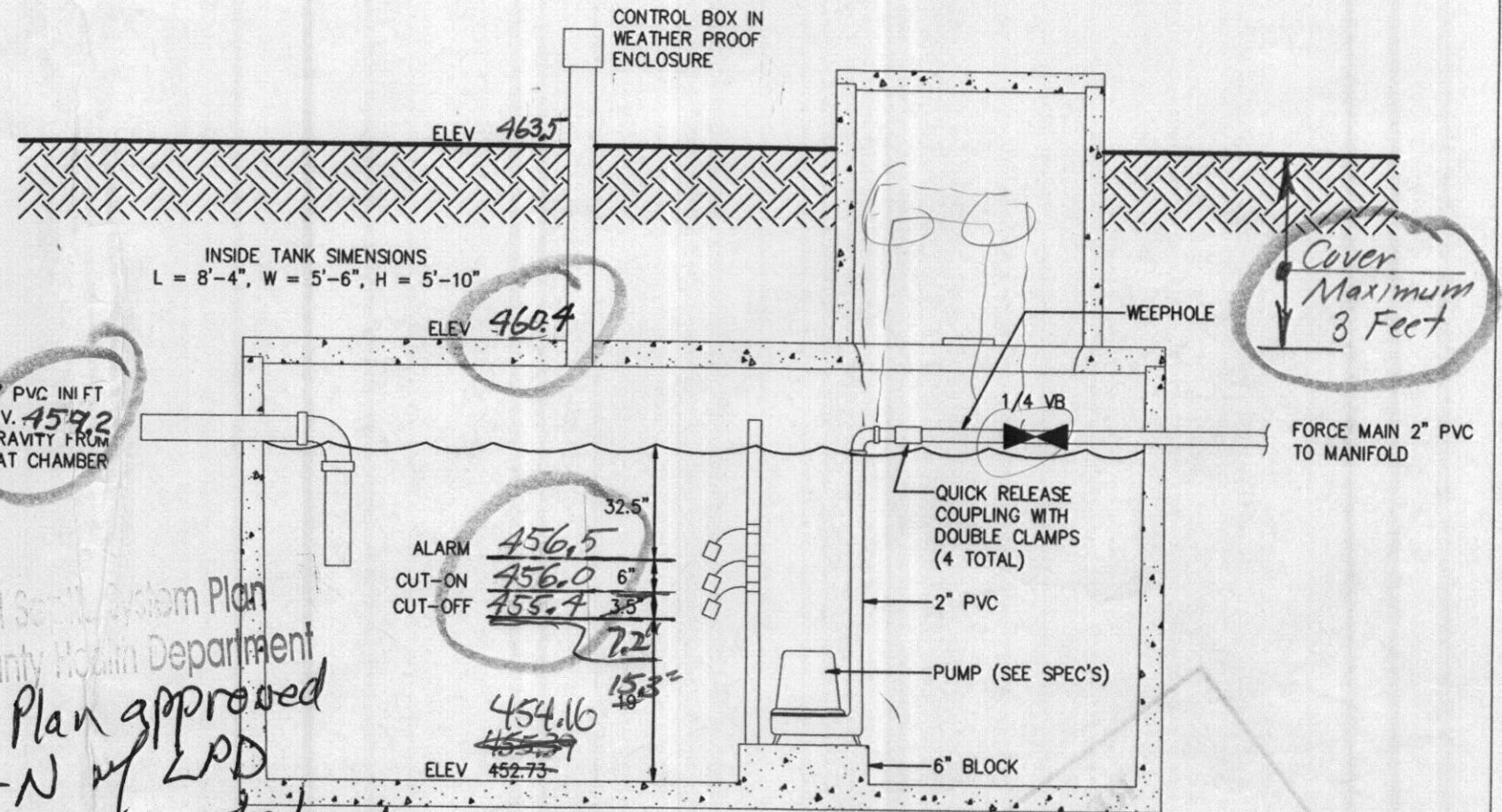
Plot Plan



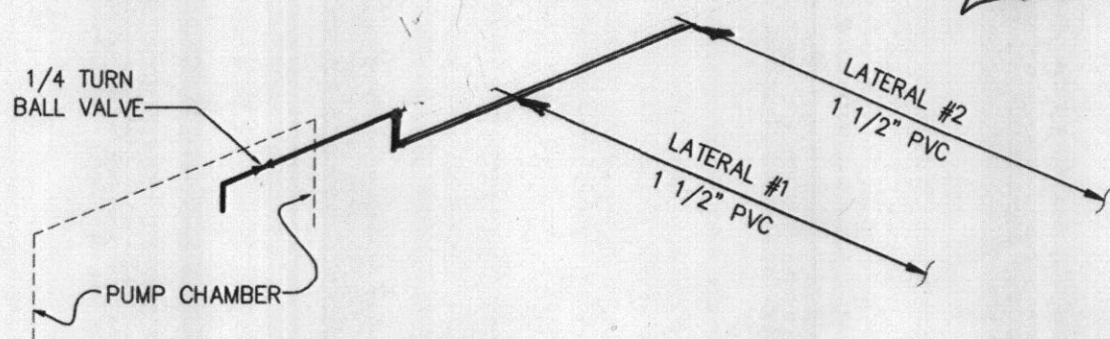
**3 OBSERVATION PIPE**  
LPD-4 SCALE: N.T.S.



**2 STAND PIPE**  
LPD-4 SCALE: N.T.S.



**1 1,500 GAL. PUMP CHAMBER LPD.**  
LPD-4 SCALE: N.T.S.



**4 MANIFOLD SCHEMATIC**  
LPD-4 SCALE: N.T.S.

Approved Sewer System Plan  
Howard County Health Department  
BAT Plan approved  
E60-PODE 60-N of LPD  
R. Bucker  
Signature  
5/19/2014  
Date

**PRESSURE DISTRIBUTION CHART**

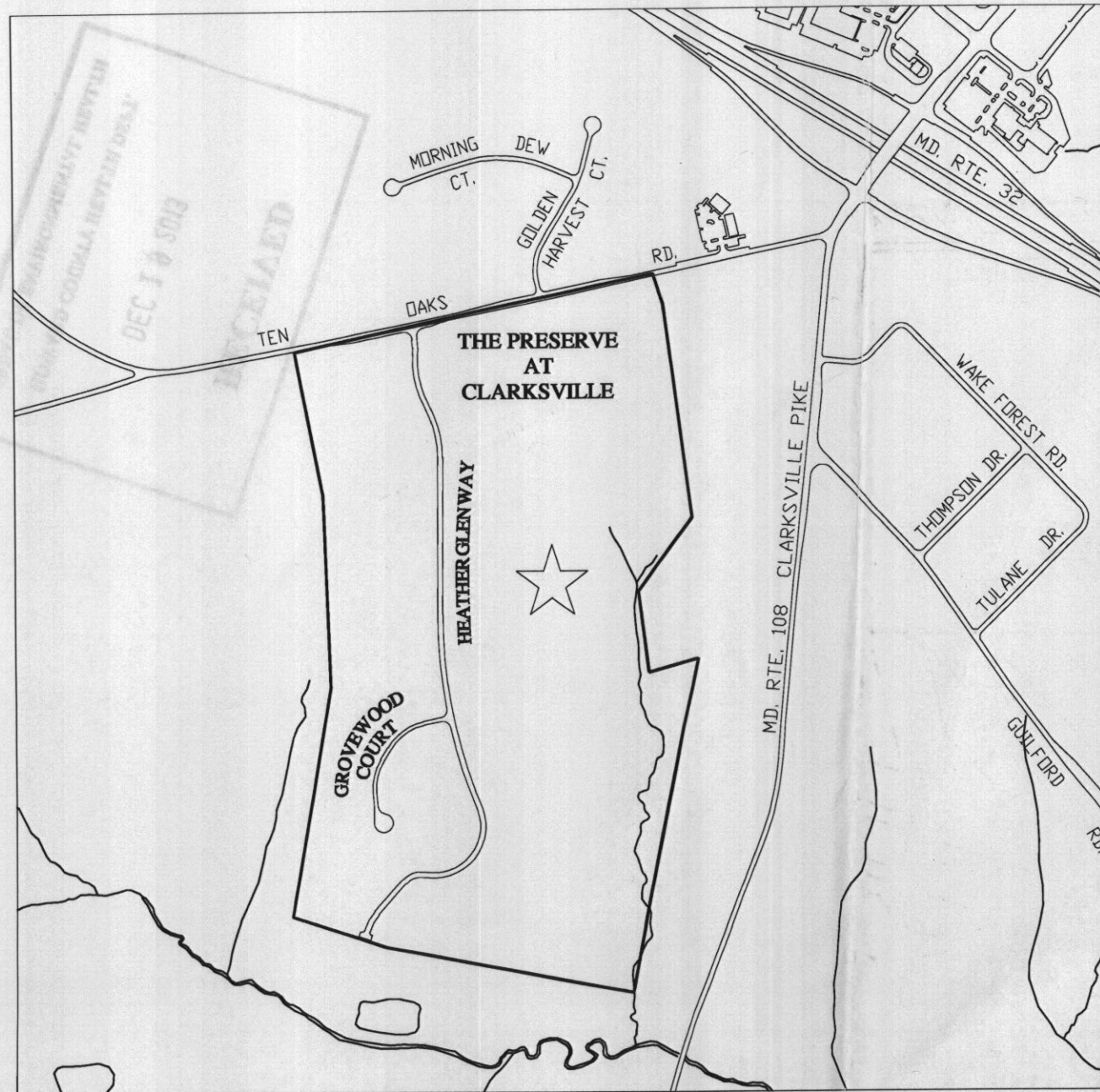
LATERAL NUMBER	EXIST. GRADE ELEV. (FT.)	INVERT ELEV. (FT.)	TRENCH BOTTOM ELEV. (FT.)	LATERAL LENGTH (FT.)	HEAD (FT.)	ORIFICE DIAMETER (IN)	ORIFICE FLOW RATE (GPM)	ORIFICE SPACING (FT)	NUMBER OF ORIFICES	TRENCH FLOW RATE (GPM)
1	461.3	459.3	454.3	71.0	2.0	5/16	1.63	10.2	7	11.41
2	460.1	458.1	453.1	71.0	3.2	5/16	1.99	11.8	6	11.94

**PUMP SPECIFICATIONS:**  
GOULDS WW05 SERIES  
MODEL # 3872  
115 VOLTS, 13 AMP RUN, 20 AMP DEDICATED CIRCUIT GFI

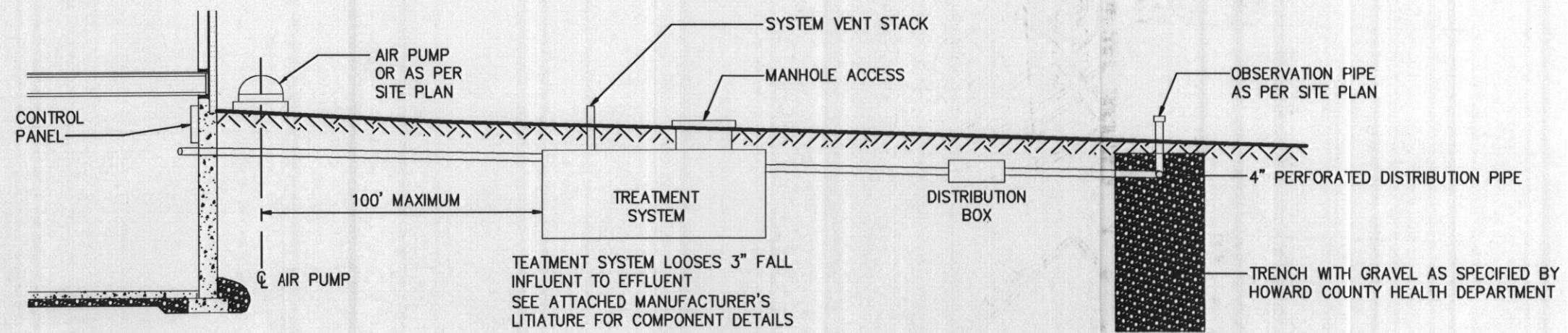
- NOTES:**
1. LOCATE FLOAT VALVES FREE OF OBSTRUCTION TO FULL MOVEMENT.
  2. LOCATE 1/4 TURN BALL VALVE WITH ACCESS TO ADJUST DURING OPERATION.
  3. ORIFICE SIZE AND SPACING, SEE LATERAL DETAIL SHEETS.
  4. EACH ORIFICE TO HAVE APPROVED HELMET.

*Cal A*  
6 May 2014  
LPD SYSTEM

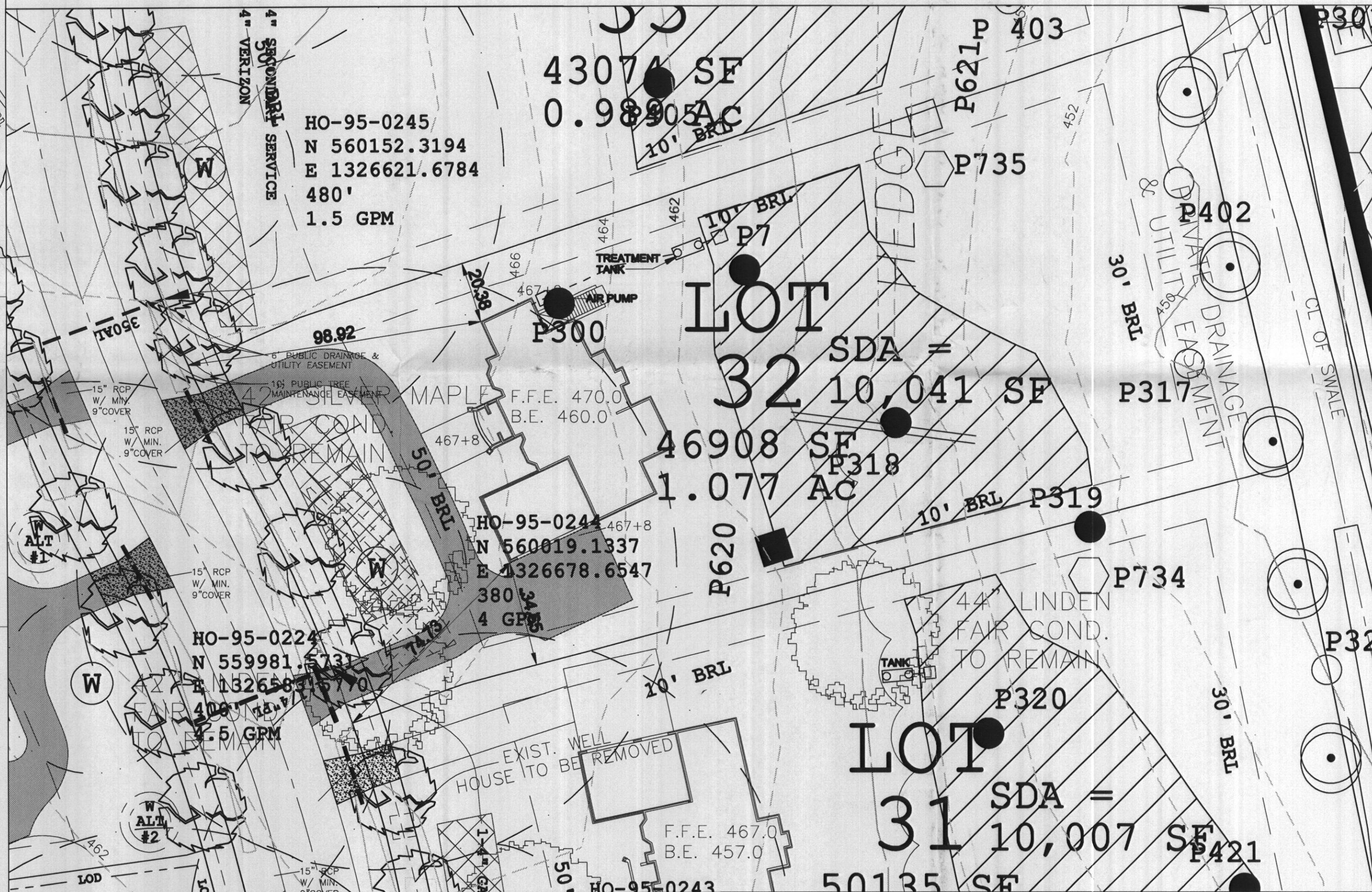
**TITLE:**  
SITE PLAN LOT #32  
PRESERVE @ CLARKSVILLE  
HOWARD COUNTY, MD.  
6211 Heather Glen Way  
Clarksville, Maryland 21029



VICINITY MAP N.T.S.



2 BAT COMPONENT CROSS SECTION  
SITE-1 SCALE: N.T.S.



LEGEND

	PERC PASSED 2001		LIMIT OF DISTURBANCE		LIMIT OF 100YR FLOODPLAIN
	PERC FAILED 2001		SILT FENCE		FOREST CONSERVATION EASEMENT
	PERC PASSED 2003		EXISTING CONTOURS (2' INTERVALS)		FOREST CONSERVATION EASEMENT RETENTION AREA
	PERC FAILED 2003		EXISTING TREELINE		PRIVATE SEWAGE
	PERC PASSED FEBRUARY 2004		PROPOSED TREELINE		ABANDONED WELLBOX
	PERC FAILED FEBRUARY 2004		CL. STREAM		WELL REPLACEMENT AREA
	PERC PASSED JUNE 2004		LIMIT OF WETLANDS		CONSTRUCTION DRIVE
	PERC FAILED JUNE 2004		FOREST CONSERVATION SIGNAGE		
	PERC PASSED AUGUST 2004		SPECIMEN TREE		
	PERC FAILED AUGUST 2004				

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 AREA 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. 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' DOWNGRADEMENT 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. B13001799 Plot Plan Lot # 32
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:	460.2	GRADE AT HOUSE INVERT:	467.0
TOP OF FOUNDATION WALL:	468.8	GRADE AT SEPTIC TANK:	462.0
TOP OF FIRST SUBFLOOR:	470.0	GRADE AT DISTRIBUTION BOX:	461.4
INVERT OUT OF HOUSE:	465.0	GRADE AT TRENCHES:	461.4
INVERT INTO TANK:	460.0		
INVERT OUT OF TANK:	459.5		
INVERT INTO DISTRIBUTION BOX:	459.3		

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

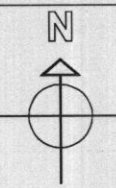
I certify that the information shown heron is based on field work performed under my direct supervision and is correct, to the best of my knowledge and belief.

SEPTIC DESIGN PARAMETERS:

1st Floor Sq. Ft.	2363 sq.ft.
2nd Floor Sq. Ft.	2098 sq.ft.
Basement Sq. Ft.	2363 sq.ft.
Number of Bedrooms	4

TAGGED WELL DATA

TAG NUMBER:	HO-95-0244
NORTHING:	560019.1337
EASTING:	1326678.6547
WELL YIELD:	4 GPM
WELL DEPTH:	380'



DEVELOPER: Dayton Oaks, LLC

BUILDER: Compass Homes  
6206 Heather Glen Way  
Clarksville, MD 21029

SCALE: 1:30

DATE: 11/22/13

PROJECT NAME:

Ma Residence  
Kihoo Ma and Eun Jeong Park  
2105 Abbott Way  
Woodstock Md, 21163

TITLE:

SITE PLAN LOT #32  
PRESERVE @ CLARKSVILLE  
HOWARD COUNTY, MD.  
6211 Heather Glen Way  
Clarksville, Maryland 21029

PURPOSE:

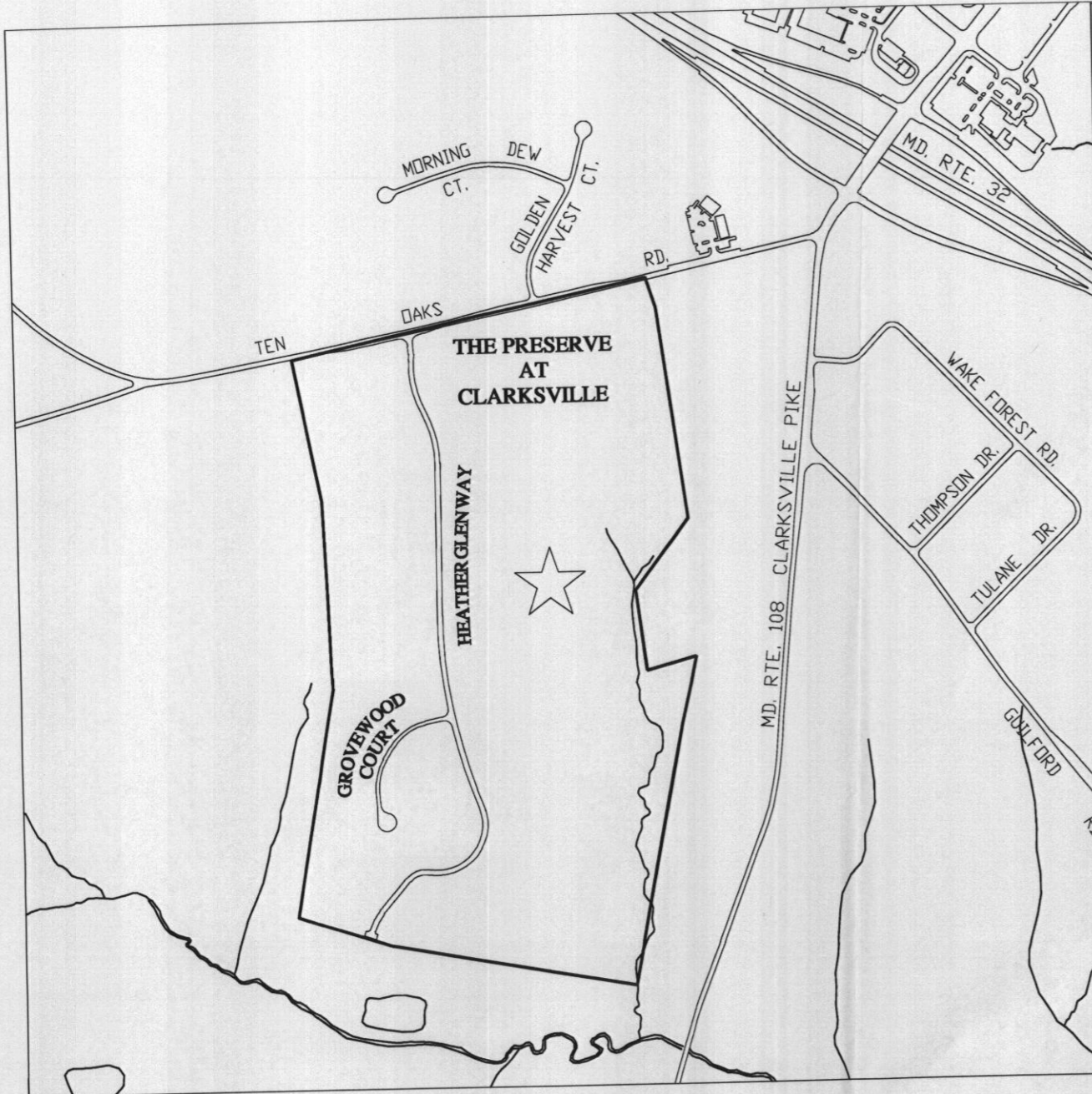
SITE PLAN FOR BAT INSTALLATION

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

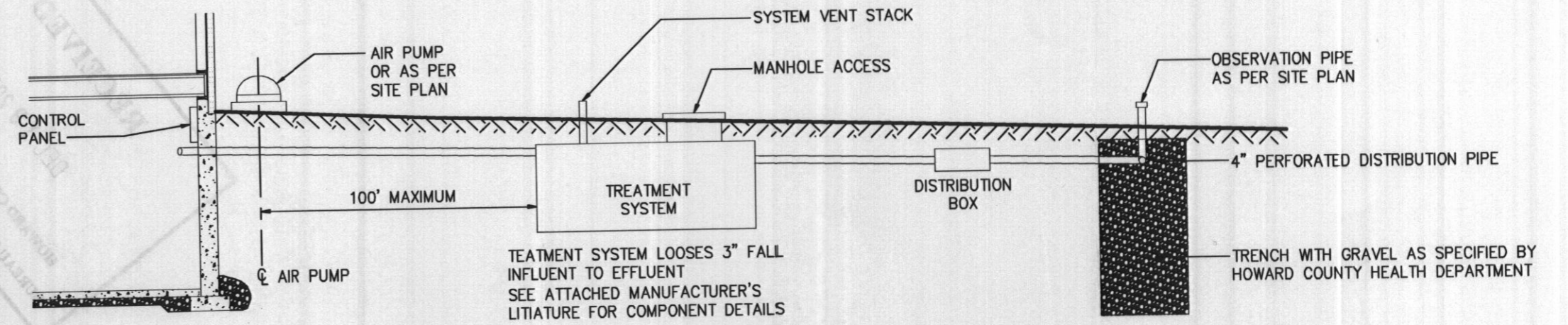
DATE

Dale Thompson

DATE



VICINITY MAP N.T.S.



2 BAT COMPONENT CROSS SECTION  
SCALE: N.T.S.

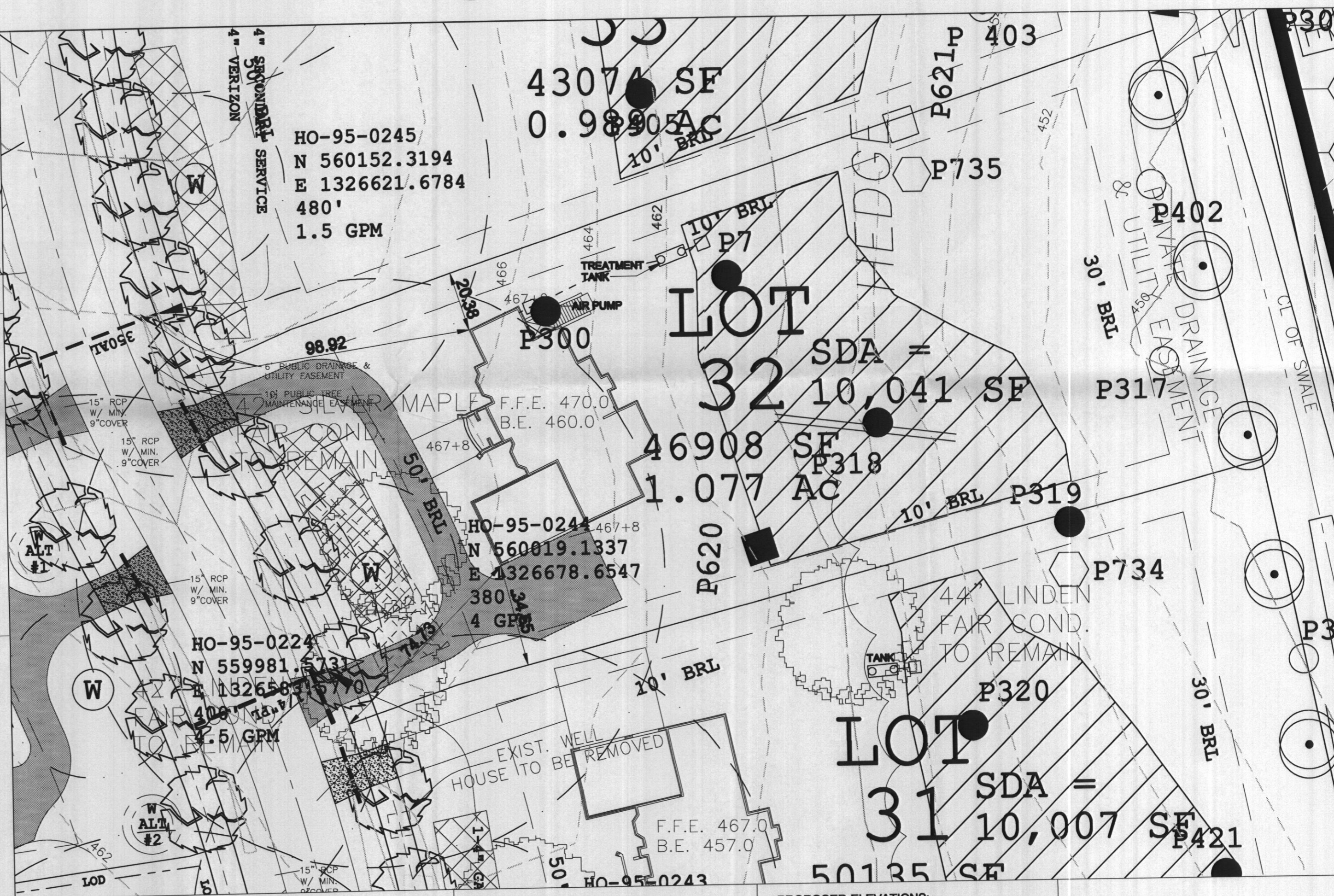
LEGEND	
P47 PERC PASSED - 2001	LIMIT OF DISTURBANCE
P49 PERC FAILED - 2001	SILT FENCE
P417 PERC PASSED - 2003	EXISTING CONTOURS (2' INTERVALS)
P416 PERC PASSED - 2003	EXISTING TREELINE
P411 PERC PASSED - FEBRUARY 2004	PROPOSED TREELINE
P618 PERC FAILED - FEBRUARY 2004	CL STREAM
P703 PERC PASSED - JUNE 2004	LIMIT OF WETLANDS
P705 PERC FAILED - JUNE 2004	FCE FOREST CONSERVATION SIGNAGE
P809 PERC PASSED - AUGUST 2004	SPECIMEN TREE
P800 PERC FAILED - AUGUST 2004	
	LIMIT OF 100YR FLOODPLAIN
	FOREST CONSERVATION EASEMENT
	FOREST CONSERVATION EASEMENT RETENTION AREA
	PRIVATE SEWAGE
	ABANDONED WELLBOX
	WELL REPLACEMENT AREA
	CONSTRUCTION DRIVE

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		GRADE AT TRENCHES:	461.4
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APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN CONFORMANCE WITH THE MASTER PLAN OF HOWARD COUNTY.

Maura J. Rosman, 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.

*Dale Thompson*  
Dale Thompson  
DATE: 5 Dec 13

SEPTIC DESIGN PARAMETERS:

1st Floor Sq. Ft.	2363 sq.ft.
2nd Floor Sq. Ft.	2098 sq.ft.
Basement Sq. Ft.	2363 sq.ft.
Number of Bedrooms	4

TAGGED WELL DATA

TAG NUMBER:	HO-95-0244
NORTHING:	560019.1337
EASTING:	1326678.6547
WELL YIELD:	4 GPM
WELL DEPTH:	380'

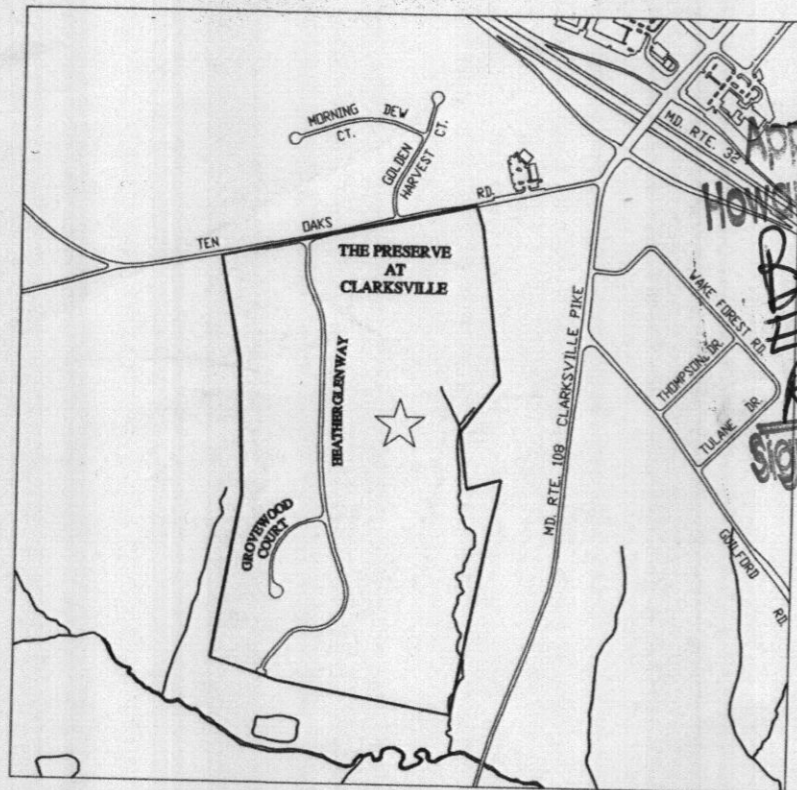
DEVELOPER: Dayton Oaks, LLC  
BUILDER: Compass Homes  
6206 Heather Glen Way  
Clarksville, MD 21029

SCALE: 1:30  
DATE: 11/22/13

PROJECT NAME: Ma Residence  
Kihoo Ma and Eun Jeong Park  
2105 Abbott Way  
Woodstock Md, 21163

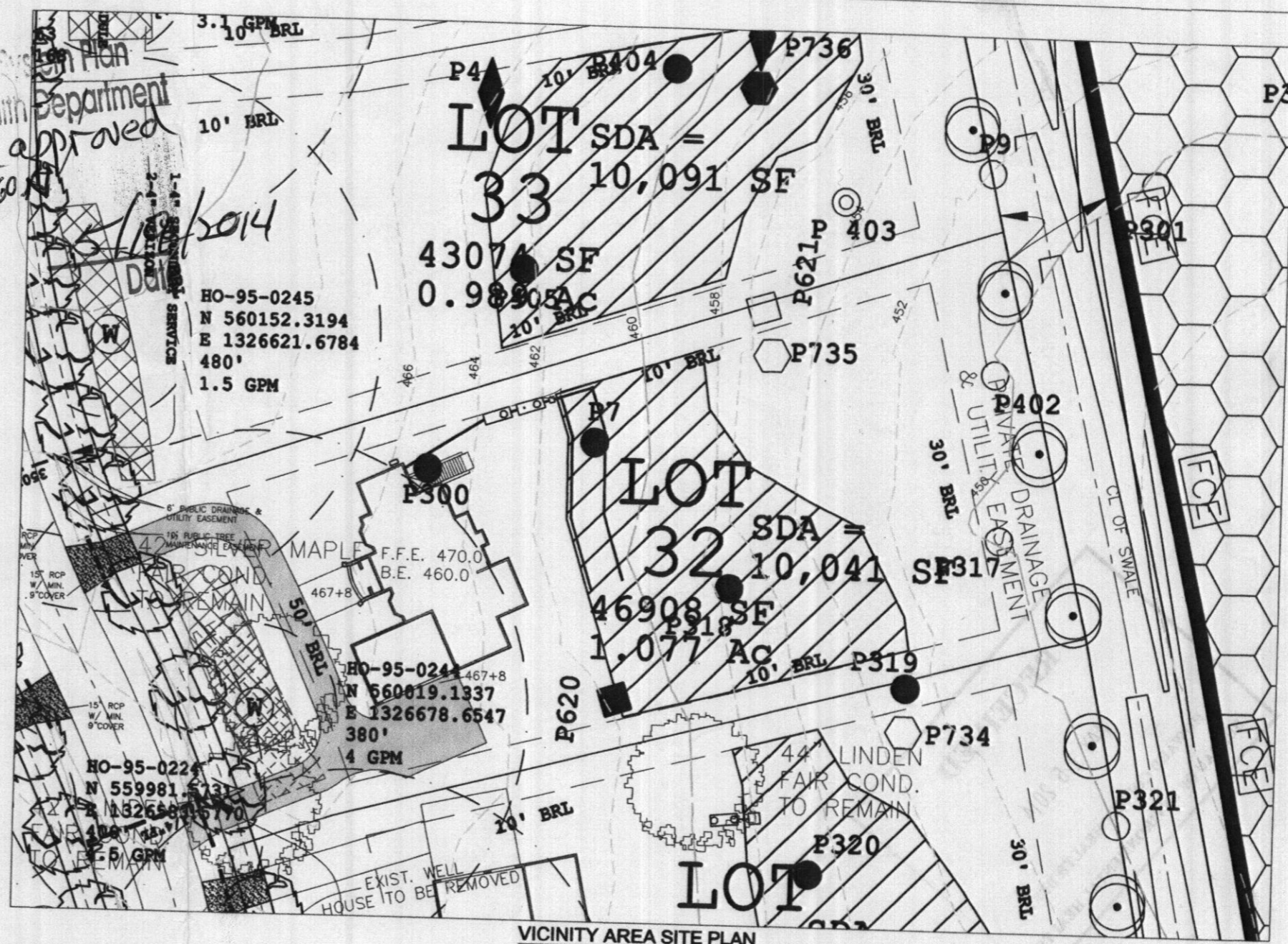
TITLE: SITE PLAN LOT #32  
PRESERVE @ CLARKSVILLE  
HOWARD COUNTY, MD.  
6211 Heather Glen Way  
Clarksville, Maryland 21029

PURPOSE: SITE PLAN FOR BAT INSTALLATION



VICINITY MAP N.T.S.

LEGEND			
	PERC FILTERED-2001		LIMIT OF DISTURBANCE
	PERC FILTERED-2001		FOREST CONSERVATION EASEMENT
	PERC FILTERED-2002		FOREST CONSERVATION EASEMENT RETENTION AREA
	PERC FILTERED-2003		PRIVATE SEWAGE
	PERC FILTERED-FEBRUARY 2004		ABANDONED WELLBOX
	PERC FILTERED-FEBRUARY 2004		WELL REPLACEMENT AREA
	PERC FILTERED-JUNE 2004		CONSTRUCTION DRIVE
	PERC FILTERED-JUNE 2004		FOREST CONSERVATION SIGNAGE
	PERC FILTERED-JUNE 2004		SPECIMEN TREE
	PERC FILTERED-AUGUST 2004		
	PERC FILTERED-AUGUST 2004		



VICINITY AREA SITE PLAN  
SCALE 1" = 50'

SHEETS 1 THRU 5 TO BE USED WITH "LOW PRESSURE DOSING REPORT" APRIL 23, 2014 PAGES 1 THRU 23 PREPARED BY: SILL ENGINEERING GROUP, LLC

SHEET: 1 OF 5

GENERAL NOTES:

- 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. RECORDATION OF MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.
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TITLE:

SITE PLAN LOT #32  
PRESERVE @ CLARKSVILLE  
HOWARD COUNTY, MD.  
6211 Heather Glen Way  
Clarksville, Maryland 21029

PURPOSE:

SITE PLAN AND  
CERTIFICATIONS  
FOR THE CONSTRUCTION  
OF AN ON LOT PRIVATE  
SEWAGE DISPOSAL SYSTEM

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

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

DATE

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

Dale Thompson

6 May 2014  
DATE

SEPTIC DESIGN PARAMETERS:

FOUR BEDROOM SFR  
DESIGN FLOW = 600 GPO  
APPLICATION RATE = 1.2  
BAT & LPT DESIGN REQUIRING BASEMENT  
FACILITIES NOT SERVED BY GRAVITY

TAGGED WELL DATA

TAG NUMBER: HO-95-0244  
NORTHING: N 560019.1337  
EASTING: E 1326678.6547  
WELL YIELD: 4 GPM  
WELL DEPTH: 380'



DEVELOPER: DAYTON OAKS, LLC  
BUILDER: Compass Homes  
6206 Heather Glen Way  
Clarksville, MD 21029

SCALE: 1:50

DATE: 5/5/14

W

RVICCE

E 1326621.6784  
480'  
1.5 GPM

P735

ECO-POD CHAMBER

Control Panel

VALVE BOX

MANIFOLD

SEE SHEET 4 OF 5  
FOR MANIFOLD AND  
LATERAL DETAILS

AIR PUMP

PUMP CHAMBER

4" SCH-40 PVC

LATERAL #1

LATERAL #2

LOT

32

SDA

10,041

S

46908

SF

1.077

AC

10' BRL

Approved Septic System Plan  
Howard County Health Department

BAT plan approved  
ECO-POD EGO-N w/LPD

*[Signature]*  
Signature

5/19/2014  
Date

6" PUBLIC DRAINAGE &  
UTILITY EASEMENT

10' PUBLIC TREE  
MAINTENANCE EASEMENT

98.92

20.38

F.F.E. 470.0  
B.E. 460.0

467+8

50' BRL

HO-95-0244

N 560019.1337

E 1326678.6547

380

15" RCP  
W/ MIN.  
9" COVER

W

CONSTRUCTION SITE PLAN  
SCALE 1" = 20'

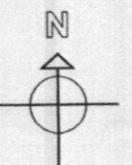
*[Signature]*

6 May 2014

SEWAGE DISPOSAL SYSTEM CONSTRUCTION NOTES:

- ABSORPTION TRENCHES : 71 FEET LONG EACH
- MINIMUM SPACING BETWEEN LATERALS : 12 FEET
- FORCE MAIN : 2" PVC SCHEDULE 40
- LATERALS : 1 1/2" PVC SCHEDULE 40

- 5. HOUSE COLLECTOR : 4" PVC SCHEDULE 40
- 6. TRENCH WIDTH : 2 FEET AT TOP , 2 FEET AT BOTTOM
- 7. PERMIT # B13001799 PLOT PLAN LOT #32
- 8. ANY WELL DRILLED WITHIN 10' OF DRIVEWAY TO BE PROTECTED WITH TWO BALLARDS



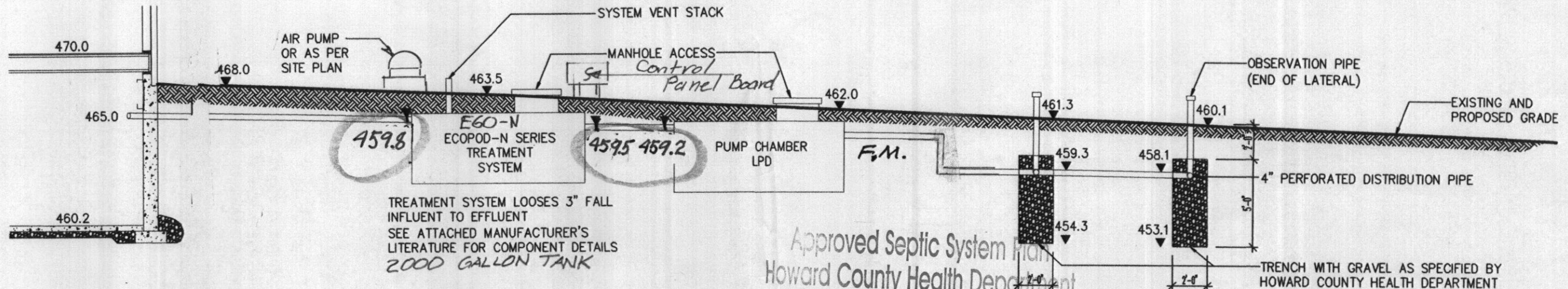
NEW HOME PROPOSED ELEVATIONS:

TOP OF BASEMENT SLAB:	460.2
TOP OF FOUNDATION WALL:	468.8
TOP OF FIRST SUBFLOOR:	470.0
INVERT OUT OF HOUSE:	465.0
INVERT INTO TANK:	460.0
INVERT OUT OF TANK:	459.5
INVERT INTO LPD PUMP CHAMBER:	459.3

CONSTRUCTION SITE PLAN

TITLE:  
SITE PLAN LOT #32  
PRESERVE @ CLARKSVILLE  
HOWARD COUNTY, MD.  
6211 Heather Glen Way  
Clarksville, Maryland 21029

SHEET: 2 OF 5



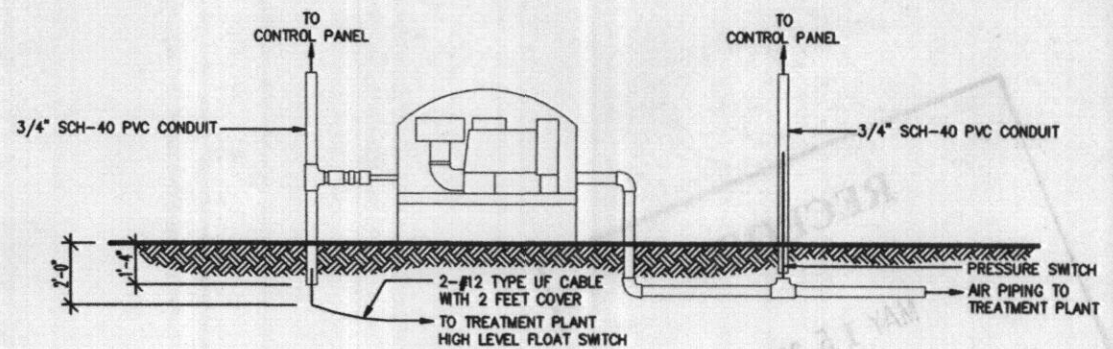
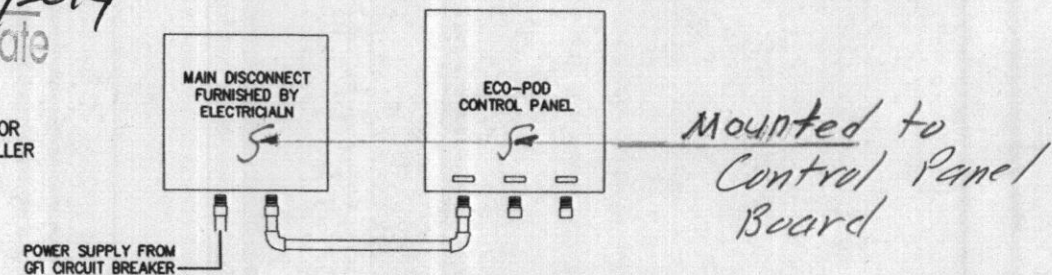
**2** BAT COMPONENT CROSS SECTION  
 SCALE: N.T.S.

Approved Septic System  
 Howard County Health Department  
 BAT Plan approved  
 ECOPOD EGO-N w/LPD  
 Signature: *R. Buckler*  
 Date: *5/19/2014*

**INSTALLATION NOTES:**

1. PREPARE AN EXCAVATION, HAVING A DIAMETER APPROXIMATELY ONE FOOT LARGER THAN THE TANK AND A DEPTH THAT WILL ALLOW APPROXIMATELY THREE INCHES OF THE INSPECTION PORT TO EXTEND ABOVE NORMAL GROUND LEVEL.
2. DO NOT INSTALL THE AIR PUMP(S) IN A LOW LYING AREA WHERE WATER MAY ACCUMULATE. THE AIR PUMP SHOULD BE INSTALLED NEAR THE CONTROL PANEL AND WITHIN ONE HUNDRED FEET OF THE TANK. AIR PUMP CAN BE INSTALLED OUTDOORS OR IN A CLEAN, WELL VENTILATED AREA, SUCH AS A TOOL ROOM, GARAGE, ETC. IF THE LINEAR AIR PUMP IS TO BE INSTALLED IN AN ADDITIONAL ENCLOSURE, THE ENCLOSURE MUST BE APPROVED BY DELTA IN WRITING.
3. MOUNT THE CONTROL PANEL IN AN AREA SUCH THAT THE ALARM CAN BE HEARD AND BE READILY OBSERVED. A 3-WIRE GROUNDED GFI CIRCUIT IS REQUIRED FOR SAFETY. INSTALL A DISCONNECT SWITCH NEAR THE PANEL TO VISUALLY DISCONNECT THE CONTROL PANEL FROM THE POWER SOURCE. ALL ELECTRICAL WORK SHALL BE DONE ACCORDING TO NEC AND LOCAL CODE REQUIREMENTS. THE CONTROL PANEL MUST BE GROUNDED. CONNECT THE SOURCE GROUND WIRE TO THE GROUND LOCATION IN THE PANEL.
4. THE CONTROL PANEL IS RATED FOR INDOOR AND OUTDOOR USE AND CONTAINS A FUSE OR CIRCUIT BREAKER FOR THE AIR PUMP. AN ELECTRICAL MALFUNCTION IN THE AIR PUMP OR WIRING TO THE AIR PUMP WILL CAUSE THE FUSE TO BLOW OR CIRCUIT BREAKER TO TRIP. THE CONTROL PANEL ALSO CONTAINS A PRESSURE SWITCH AND VISUAL AND AUDIBLE ALARM. LOSS OF AIR PRESSURE CAUSED BY THE AIR PUMP SYSTEM MALFUNCTION OR A HIGH WATER LEVEL IN THE TREATMENT PLANT WILL CAUSE THE ALARM TO SOUND AND LIGHT TO ILLUMINATE.
5. INSTALL FLOAT SWITCH WIRE FROM THE CONTROL PANEL TO THE TREATMENT PLANT. WIRE CAN BE DIRECT BURIAL TYPE UF 600 VOLT OR CAN BE INSTALLED IN SCHEDULE 40 PVC CONDUIT. USE TYPE THWN, 600 VOLT IF INSTALLED IN CONDUIT. WIRE MUST BE BURIED IN ACCORDANCE WITH NEC TABLE 300-5. IF IN DOUBT BURY 24 INCHES DEEP. KEEP SUFFICIENT DISTANCE OR DEPTH FROM AIR LINE TO AVOID CONFUSION OF PIPES OR DAMAGE TO WIRING DURING INSTALLATION OR REPAIR OF PIPING. CONNECT TO THE FLOAT SWITCH NORMALLY OPEN CONTACTS USING UNDERGROUND RATED COMPOUND FILLED WIRE NUTS. FLOAT SWITCH IS NOT REQUIRED WHEN A DUAL PRESSURE SWITCH IS UTILIZED WHICH DETECTS HIGH WATER CONDITIONS.
6. CONNECT THE PRESSURE AIR TUBING TO THE 1/8" BARB-FITTING IN THE AIR PIPING SYSTEM. THE AIR TUBING SHOULD BE PROTECTED BY CONDUIT AS SHOWN ON DRAWING.
7. INSTALL 3/4" SCHEDULE 40-PVC PIPING BETWEEN AIR PUMP AND TREATMENT UNIT. A MINIMUM OF 12 INCHES GROUND COVER IN RECOMMENDED.
8. TURN POWER ON TO CONTROL PANEL. AIR PUMP SHOULD START.
9. CHECK AIR PIPING JOINTS FOR LEAKAGE USING SOAPY WATER SOLUTION. REPAIR IF NECESSARY AND THEN CAREFULLY BACKFILL AIR LINE AND INLET AND DISCHARGE PIPING AND COVER PLANT TO GRADE LEVEL.
10. RE-CHECK WATER LEVEL IN THE TANK.
11. PLANT IS READY TO RECEIVE INCOMING SEWAGE. NO SPECIAL START-UP PROCEDURES ARE REQUIRED. THE PROCESS IS NATURALLY OCCURRING AND DOES NOT REQUIRE ANY SPECIAL ADDITIVES.
12. TEST ALARM CIRCUIT BY MOMENTARILLY SQUEEZING AIR TUBING AND ALLOWING AIR PRESSURE TO DECREASE. THIS SHOULD TAKE A FEW MINUTES. ALARM SHOULD OCCUR. RELEASE AIR TUBING AND ALARM SHOULD STOP. LIFT FLOAT IN TANK (IF INCLUDED) TO HORIZONTAL POSITION. ALARM SHOULD OCCUR. RELEASE FLOAT. ALARM SHOULD STOP. THE AUDIBLE ALARM CAN BE TURNED OFF BY FLIPPING THE TOGGLE SWITCH ON THE PANEL FRONT DOOR TO THE LEFT.

SERVICE DISCONNECT AND POWER SUPPLY BY ELECTRICAL SUB CONTRACTOR ALL OTHER BY SEPTIC INSTALLER

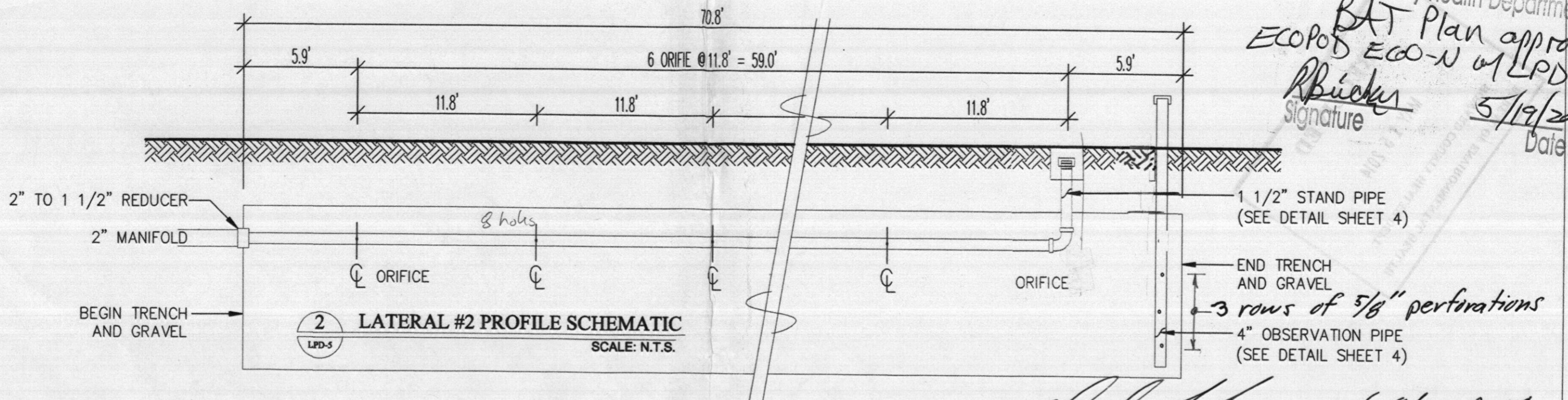
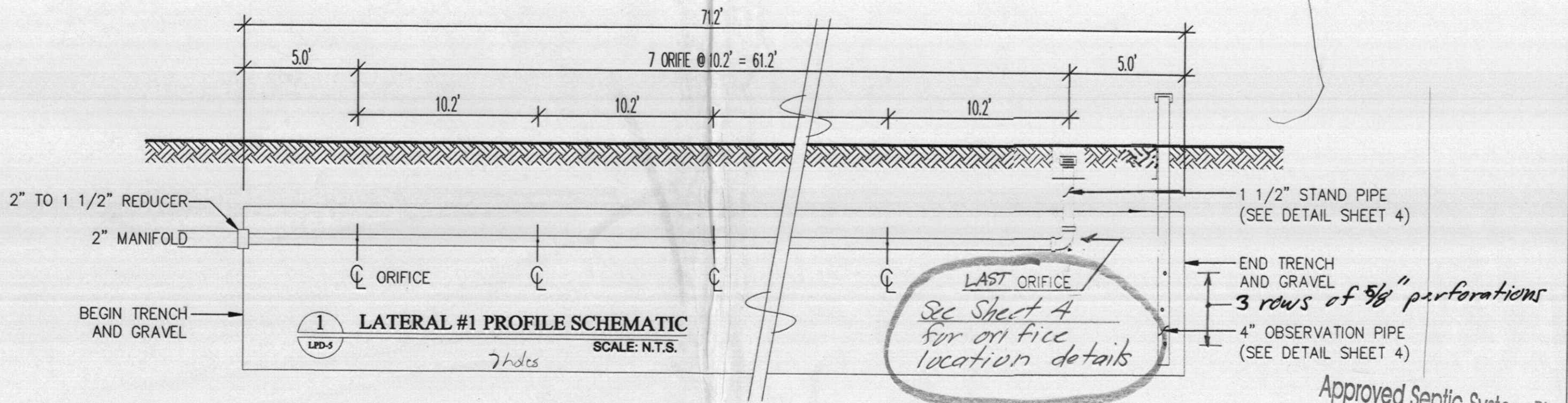


**1** AIR PUMP INSTALLATION  
 SCALE: N.T.S.

*del ff*  
 6 May 2014

**BAT SYSTEM**

TITLE:  
 SITE PLAN LOT #32  
 PRESERVE @ CLARKSVILLE  
 HOWARD COUNTY, MD.  
 6211 Heather Glen Way  
 Clarksville, Maryland 21029



Approved Septic System Plan  
 Howard County Health Department  
 BAT Plan approved  
 ECOPOS ECO-N w/ LPD  
 RBucher  
 Signature  
 5/19/2014  
 Date

*Clad J...*

6 May 2014  
 LPD SYSTEM

TITLE:  
 SITE PLAN LOT #32  
 PRESERVE @ CLARKSVILLE  
 HOWARD COUNTY, MD.  
 6211 Heather Glen Way  
 Clarksville, Maryland 21029

**SHEET: 5 OF 5**