

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: 10/8/14 **ONSITE SEWAGE DISPOSAL SYSTEM** P 555262

INSTALLATION APPROVAL DATE: _____ **PERMIT** A _____
CONSTRUCTION

PROPERTY ADDRESS: 3236 Jones Road

SUBDIVISION: Petty Subdivision LOT: 5 TAX ID: _____

CONTRACTOR: Tolley Enterprises EMAIL: _____

CONTRACTOR ADDRESS: 11920 Lynn Crest Road, Monrovia, MD 21770 PHONE: _____

PROPERTY OWNER: Gordon Wallace EMAIL: _____

OWNER ADDRESS: 3236 Jones Road, PHONE: _____

BAT UNIT MODEL: Ecopod E75N PUMP SIZE: _____ PUMP TANK CAPACITY: _____

DISTRIBUTION SYSTEM: GRAVITY LOW PRESSURE DOSED NUMBER OF BEDROOMS: 5

TRENCHES:	LINEAR FEET REQUIRED: <u>175</u> ✓	INLET DEPTH: <u>3.5</u> ✓
	TRENCH WIDTH: <u>3</u> ✓	MAXIMUM BOTTOM DEPTH: <u>6</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>3.5</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:	Level effluent pipe 1-2 % 5' before d box.	

ISSUED BY: Jeff Williams ISSUE DATE: 10/8/14 EXPIRATION DATE: 10/8/15

- 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**
- NOTE: AN INDIVIDUAL CERTIFIED BY MDE AND THE MANUFACTURER FOR BAT INSTALLATION MUST BE PRESENT AT ALL TIMES DURING BAT INSTALLATION.**
- NOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATE TO ENSURE THAT SOLIDS ARE NOT DISCHARGED TO THE DISPOSAL AREA

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.

PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.

CALL 410-313-1771 TO SCHEDULE INSPECTIONS.

NOT TO SCALE

See Seperate Sheet
For As-Built

ROAD NAME

TRENCH/DRAINFIELD DATA

WIDTH _____ INLET _____ BOTTOM _____
NUMBER OF TRENCHES _____
TOTAL LENGTH _____
ABSORPTION AREA _____
DISTRIBUTION BOX LEVEL _____
DISTRIBUTION BOX BAFFLE _____
DISTRIBUTION BOX PORT _____

SEPTIC TANK DATA

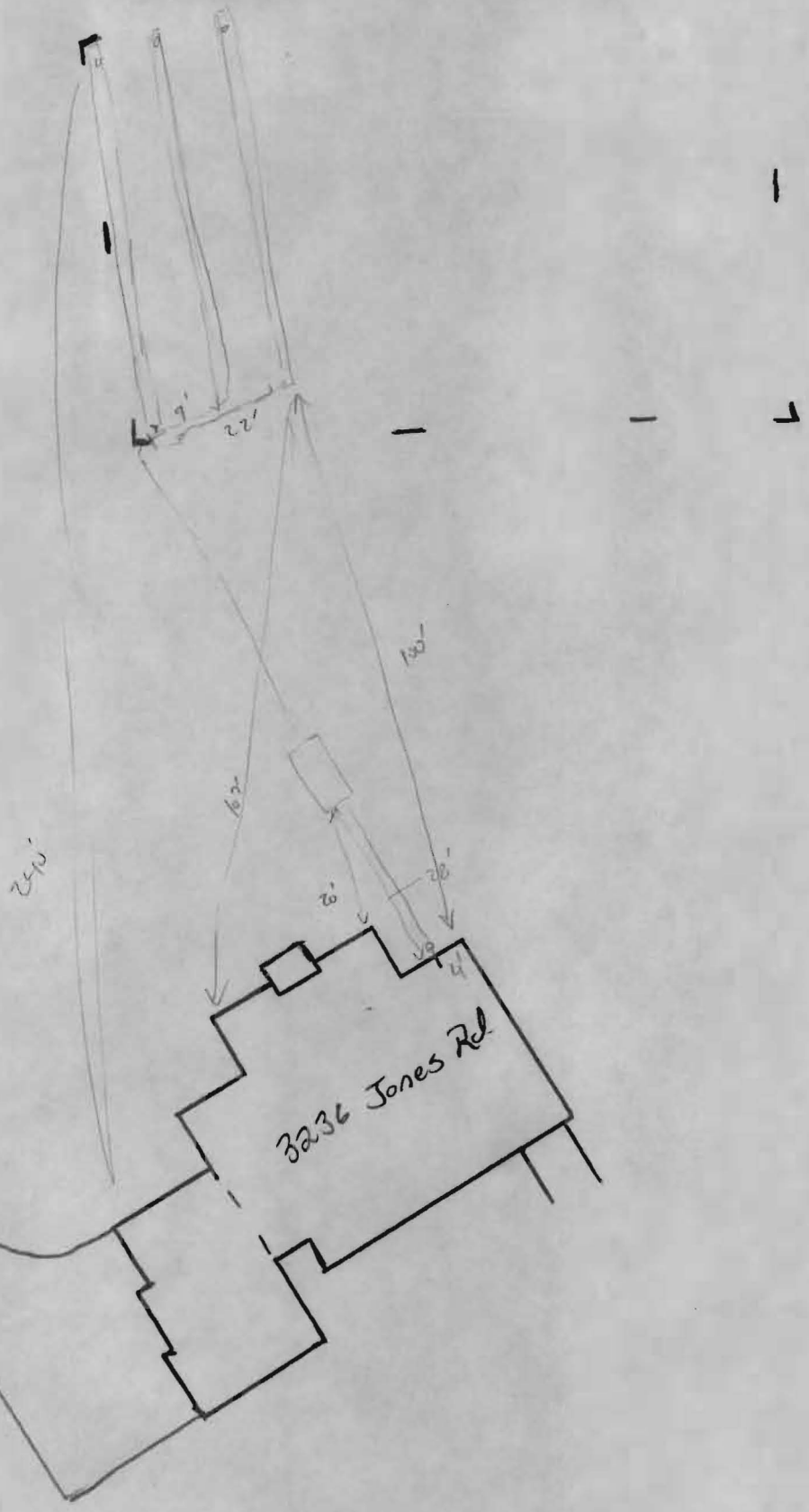
SEPTIC TANK 1 LEVEL _____
MANUFACTURER _____
CAPACITY _____ GAL
SEAM LOC _____
TANK LID DEPTH _____
BAFFLES _____
BAFFLE FILTER _____
MANHOLE LOC _____
6" PORT LOC _____
WATERTIGHT TEST _____
SLOTTED _____
DATE ON LID _____
PUMP/SEPTIC TANK LEVEL _____
MANUFACTURER _____
CAPACITY _____ GAL
SEAM LOC _____
TANK LID DEPTH _____
BAFFLES _____
BAFFLE FILTER _____
MANHOLE LOC _____
6" PORT LOC _____
WATERTIGHT TEST _____
SLOTTED _____
DATE ON LID _____

PRE-CONSTRUCTION:
10/10/14 Per builder

INSTALLATION: 10/14/14

FINAL INSPECTOR _____ DATE OF APPROVAL _____

1 1/2 30'



3236 Jones Rd

TOLLEY ENTERPRISES, INC.

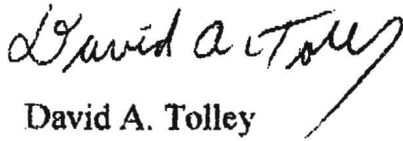
11920 Lynn Crest Road Monrovia, MD 21770

October 7, 2014

Dear Jeff,

This gives Howard County Health Department permission to give Mike Hancock with HB Homes the septic permit for 3236 Jones Road, as I David A. Tolley will be installing the septic system.

Thank you,



David A. Tolley
President

3236 Jones Rd.
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: WALLACE
Reference/Control #: 102

LR - Agreement Surcharge
1x 40.00 40.00

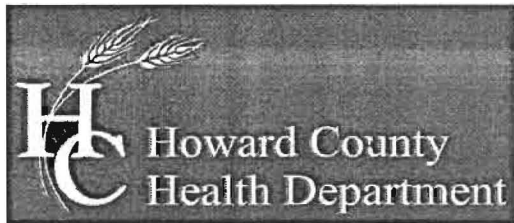
=====
SubTotal: 60.00
Total: 60.00

=====
REV-Check-BOA 60.00
Number : 148

09/19/2014 13:01 CC13-ES
#3312655 /1247/109
~ Thank you for visiting us today ~

LR - Agreement
Recording Fee 20.00
Grantor/Grantee Name:
WALLACE
Reference/Control #: 102
LR - Agreement
Surcharge 40.00
SubTotal: 60.00
Total: 60.00
09/19/2014 01:01
CC13-ES
#2312655 CC0503 -
Howard Co
Columbia/CC05.03.08 -
Register 08

WALLACE
3236
JONES RD
WOODBINE



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

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 19 day of SEPTEMBER, among GORDON WALLACE, 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 3236 Jones Road, in the 4th 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 15198 Folio 499.

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 Ecopod E75.

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.

Beet Nijon 9/19/14
Howard County Health Department

Gordon E. Wallace 9/19/2014
Owner #1 Signature Date
GORDON E. WALLACE
Owner #1 Print Name

Owner #2 Signature Date

Owner #2 Print Name

Buyer #1 Signature Date

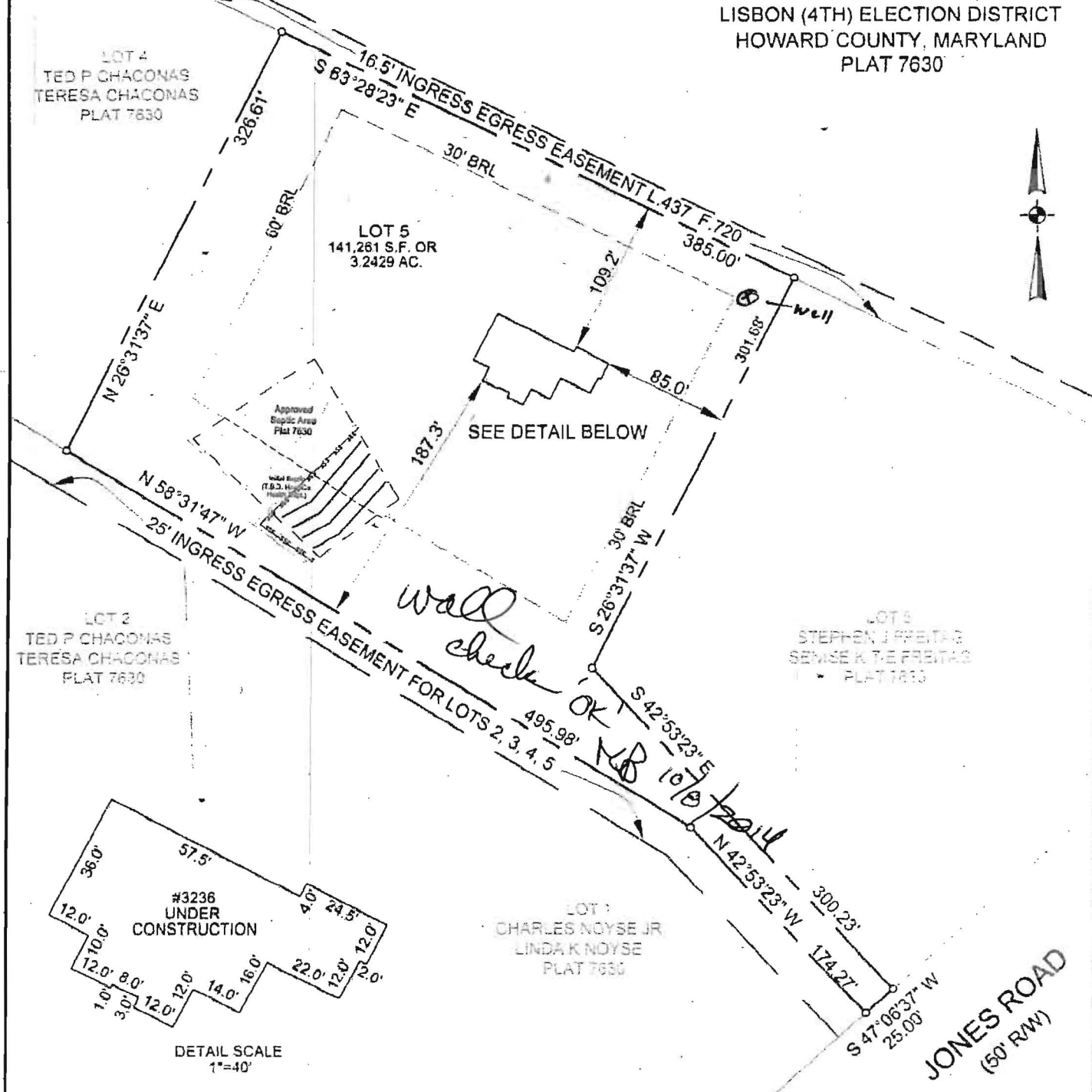
Buyer #1 Print Name

Buyer #2 Signature Date

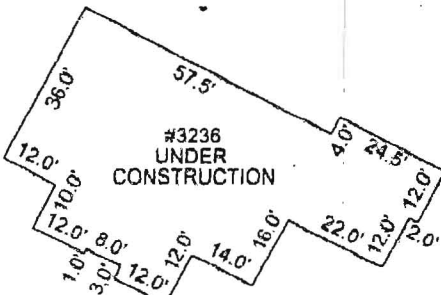
Buyer #2 Print Name

STATE OF MARYLAND
DEPT. OF NATURAL RESOURCES
LIBER 593 FOLIO 275

HOUSE LOCATION DRAWING
LOT 5
AS SHOWN ON A PLAT ENTITLED
LOTS 1 THRU 6
TAX MAP: 13 & 20, PARCEL 43
PETTY SUBDIVISION
LISBON (4TH) ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
PLAT 7630



wall check OK
NO 10/10/14



DETAIL SCALE
1"=40'

SURVEYOR'S CERTIFICATION

I HEREBY CERTIFY THAT THE PROPERTY DELINEATED HEREON IS IN ACCORDANCE WITH THE PLAT OF SUBDIVISION AND/OR DEED OF RECORD; THAT THE IMPROVEMENTS WERE LOCATED BY ACCEPTED FIELD PRACTICES AND INCLUDES PERMANENT VISIBLE STRUCTURES AND ENCROACHMENTS IF ANY. THIS PLAT IS PREPARED FOR THE EXCLUSIVE USE OF THE PRESENT OWNERS OF THE PROPERTY AND ALSO THOSE WHO PURCHASE, MORTGAGE OR GUARANTEE THE TITLE THERETO AND AS TO THEM I WARRANT THE ACCURACY OF THIS PLAT.

12/24/13 *Mitchell E. Goode*
DATE: MITCHELL E. GOODE, PROPERTY LINE SURVEYOR
MARYLAND REG. NO. 444



SCALE	1"=100'
WALL CHECK	12-23-13
FINAL	
RECEIVED	

NOTE TO CONSUMER

THIS PLAT IS OF BENEFIT TO THE CONSUMER ONLY INsofar AS IT IS REQUIRED BY A LENDER OR TITLE INSURANCE COMPANY OR ITS AGENT IN CONNECTION WITH CONTEMPLATED TRANSFER, FINANCING OR REFINANCING AND IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATION OF FENCES, GARAGES, BUILDINGS, OR OTHER EXISTING OR FUTURE IMPROVEMENTS AND DOES NOT PROVIDE FOR THE ACCURATE IDENTIFICATION OF PROPERTY BOUNDARY LINES, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING OR REFINANCING.

TITLE REPORT NOT FURNISHED

FLOOD CERTIFICATION
THIS PROPERTY DOES NOT LIE WITHIN THE LIMITS OF A FLOOD HAZARD AREA AS DELINEATED ON THE MAPS OF THE NATIONAL FLOOD INSURANCE PROGRAM.

GOODE SURVEYS, LLC
LAND SURVEYORS
P.O. BOX 599
DAMASCUS, MARYLAND 20872
PHONE: (301) 368-3700
FAX: (301) 368-3703

e3 Environmental LLC

302-775-0788 www.e3onsite.com

ECOPOD-N Completion Statement

Installation Information

Owners Name		# of Bedrooms / GPD	750
Street	3236 Jones Rd	Repair	<input type="checkbox"/>
City	Wood Bide	New Construction	<input checked="" type="checkbox"/>
State	MD		
Zip	21797		

Installation Company

Company	Tolley ENT.	Installed Date	8/19/14
Certified Installer	DAVE Tolley	Startup Date	10/21/14
Street	11920 Lynd Crest Rd		
City	Monrovia		
State	MD		
Zip	21770		

ECOPOD-N

Model #		Serial #
E50	<input type="checkbox"/>	
E60	<input type="checkbox"/>	
E75	<input checked="" type="checkbox"/>	E-75N-61098 CA
E100	<input type="checkbox"/>	
E150	<input type="checkbox"/>	

Blower Voltage	GOOD
Blower Running Amps	GOOD
Inches of water over media with blower turned off	2 inches
Vent Installed	yes
Tanks and Risers Water tight	yes
Alarm Functional	yes

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 R Kowalski
 Printed Name Steven R Kowalski

Date 10/29/14

MEMBER N. C. B. V. A.

MEMBER P. C. B. V. A.



Burial Vaults - Septic Tanks

PHONE:
410-848-0393
FAX:
410-848-3551

925 WAKEFIELD VALLEY ROAD
NEW WINDSOR, MD 21776

**Five Year Initial Service Policy
On Site Wastewater Treatment System**

Brand Name: <u>ECODD</u>	Model Number: <u>E-75</u>
Purchase Date: <u>8/17/14</u>	Serial Number: <u>E 75 N 016 98CA</u>

INITIAL POLICY:

A five (5) year service policy shall be furnished to the user by the Installer.

This policy is included in the original purchase price and shall provide the following:

1. An inspection/service call every six months which includes inspections, adjustment and servicing of the mechanical and electrical component parts as necessary to ensure proper function for the first year. And once a year thereafter.
2. An effluent quality inspection every six months consisting of a visual check for color, turbidity, scum overflow, and an examination for odors for the first year. And then once a year thereafter.
3. A sample shall be pulled from the aeration tank once a year as described in the "Solids Removal" Section to determine if there is an excess of solids in the treatment plant. If the test results determine if there is an excess of solids in the treatment plant. If the test results determine a need for solids removal, the user will bear the cost and responsibility for doing so.
4. If any improper operation is observed which cannot be corrected at that time, the user shall be notified immediately in writing of the conditions and the estimated date of correction.

Violations of Warranty including shutting off the electric current to the system for more than 24 hours, disconnecting the alarm system restricting ventilation to the aerator, overloading the system above its rated capacity, or introducing excessive amounts of harmful matter into the system, or any other form of unusual abuse.

**THIS POLICY DOES NOT INCLUDE PUMPING
SLUDGE FROM UNIT IF NECESSARY**

PERMITTING AUTHORITY:

Howard County

SYSTEM OWNER:

INSTALLATION LOCATION:

3236 Jones Rd
Woodbine MD 21797

DISTRIBUTOR:

Babylon Vault Co
925 Wakefield Valley Rd
New Windsor MD

INSTALLER:

Tolley Ent
11920 Lyncrest Rd
Marysville MD 21110

SERVICE COMPANY:

Same As Above
Service Operators License Number: Stewart R Keonig

I agree to abide by the service policy as stated above: _____

Witness: _____

FD 3628P
Howard County Md.
gov

Jeremy Clancy

BQ

We are an Equal Opportunity Employer
S.W. Barrick & Sons
WOODSBORO, MARYLAND

TRUCKER'S COPY

Barrick Dispatch 301-845-6343
Barrick Sale 301-845-6341

BILLING INQUIRIES
1-800-762-2294

Mailing Address:
P.O. Box 1504
Laurel, Maryland 20725

TICKET #01075294

STATION B

DATE 10/14/14 TIME 08:22:35

CUSTOMER TOLENT
TOLLEY ENTERPRISES INC
11920 LYNN CREST RD
MONROVIA, MD 21770

JOB LISBON : LISBON JOB
P.O. # PROJECT #:

TRUCK TOL1 LICENSE 3 AXLES
DRIVER: TOLLEY

GROSS	SCALE B	68540 lb
TARE	IN (STORED)	26760 lb
NET		41780 lb
NET		20.89 t

	Loads	Tons
DAILY	1	20.89
TOTAL	5	102.77
TIME IN 08:22:35		TIME OUT 08:22:35

MAT'L 22 : MD# 2 (AASHTO#3)
HAUL ZONE 0000

WEIGHMASTER _____

Sally Gardner

RECEIVED BY _____

Have a Nice Day!

1. Deliveries of products of S.W. Barrick & Sons (SWB) in vehicles arranged for by SWB are usually made by interstate common carriers or by independent contractor businessmen operating as intrastate nonregulated truckers. In either such case SWB exercises no control over and does not assume responsibility for the transportation and delivery of the products covered by this ticket. SWB will not be liable in any way for any accidents or damage to persons or to property or for loss of property or delay arising out of or occurring during the transportation and delivery and unloading of such products.

2. SWB assumes no responsibility for and exercises no control over deliveries of products of SWB in vehicles arranged for by others, and SWB will not be liable in any way for any accidents or damage to persons or to property or for loss of property or delay arising out of or occurring during the transportation and delivery and unloading of such products.

3. Purchaser shall be responsible for providing promptly upon arrival a safe and practical location for the delivery and unloading of the product. SWB shall not be responsible for any detention time charge or other cost or damage resulting from failure to provide promptly such safe and practical location.

MATERIAL SAFETY DATA SHEET (MSDS) FOR LIMESTONE

SECTION I - PRODUCT IDENTIFICATION

MANUFACTURER: S.W.BARRICK & SONS
14504 Greenview Drive, Suite 210
Laurel, Maryland 20708
Information Telephone #: 301-953-7850
Emergency Telephone #: 301-953-7650

Preparation Date: October 15, 2007

Product Chemical Name: Crushed Stone (Limestone)
Product Identification/Synonyms: Crushed Stone, Aggregate, Manufactured Sand

SECTION II - PRODUCT AND COMPONENT DATA

Ingredient Name:	CAS Registry Number	Approximate Percentage	Exposure Limits ACGIH TLV (mg/m ³)	Exposure Limits OSHA PEL (mg/m ³)
	Limestone	1317-65-3	100	10 (nuisance dust)
Quartz (Crystalline Silica)	14808-60-7	>1	.10 (respirable dust)	.01 (respirable dust)

SECTION III - PHYSICAL DATA

Boiling Point	N/A	Vapor Pressure (mm Hg)	N/A
Specific Gravity (H ₂ O=1)	2.6 - 2.8	Appearance and Odor	Angular to round, gray
Vapor Density (Air=1)	N/A	Freezing Point	None, Solid
Solubility in Water	Insoluble	Evaporation Rate	N/A
Physical State	Solid	Odor	None
PH in Water	Neutral	Viscosity	None, Solid

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method	Non-combustible
Combustion Products	Decomposes at 825° C
Extinguishing Media	Use extinguishing media for surrounding fire conditions
General Hazard	Avoid breathing dust

Fire Fighting Procedures: Limestone poses no fire related hazard. Use appropriate personal protective clothing and equipment for surrounding fire conditions.

SECTION V - REACTIVE DATA

Stability	Product is Stable
Incompatibility	Aggregate dissolves in hydrofluoric acid, and may produce corrosive silicon tetrafluoride gas. Silicates react with powerful oxidizers such as fluorine, boron trifluoride, chlorine trifluoride, manganese trifluoride, and oxygen difluoride.

Hazardous Decomposition
Hazardous Polymerization

Carbon Dioxide
None

SECTION VI - TOXICOLOGICAL INFORMATION

Primary Routes of Entry: Skin contact, eyes, Acute and chronic inhalation and ingestion.

Acute Exposure effects to Product: 000

Skin: Exposure to dust may cause dry and irritate the skin.

Eyes: Exposure may cause eye irritation.

Inhalation: Inhalation can irritate nose, throat, and lungs, causing coughing, sneezing, and shortness of breath.

Ingestion: Do not ingest aggregates. Ingestion of small quantities is not expected to be harmful. If ingested in large quantities, it may cause intestinal distress.

Effect of Chronic Exposure

Proper use of Limestone Aggregates for construction purposes is not believed to cause acute toxic effects. This product contains crystalline silica, which has been classified as a human carcinogen by IARC and NTP.

Repeated overexposures to high levels of respirable crystalline silica (cristobalite, quartz, and tridymite) can cause silicosis, serious and fatal lung disease, scleroderma (thickening of skin, systemic lupus erythematosus, rheumatoid arthritis) and disease affecting the kidneys.

SECTION VII - FIRST AID MEASURES

Skin Contact: Persons with pre-existing skin conditions should remove dust promptly with soap and water. Seek medical attention if irritation persists.

Eye Contact: Irrigate exposed eye(s) with clean water or saline solution for at least 15 minutes while holding the eye lid(s) open. Seek medical attention for abrasions, embedded particles, or persistent irritation.

Ingestion: If the victim is conscious, provide clean water to rinse the mouth. Provide large quantities of water for the victim to drink to induce vomiting. Seek medical attention. Do not attempt to administer water by mouth to an unconscious person.

Inhalation: Immediately move the person to fresh air. Dust should be cleared from the throat and nasal passages. Seek medical attention for discomfort or if irritation persists. Monitor vital signs and administer CPR if necessary.

SECTION VIII - PERSONAL PROTECTIVE EQUIPMENT AND CONTROL MEASURES

Engineering Controls: Use exhaust ventilation or other effective engineering controls to maintain dust exposure levels below established exposure limits.

Respiratory Protection: Respiratory protection is typically not required under normal conditions. If dust concentrations exceed OSHA/MSHA Personal Exposure Limits, wear appropriate NIOSH/MSHA - approved respiratory protection. Respirators should be properly fitted for maximum effectiveness.

Skin Protection: Long cuffless pants, long sleeve shirts, gauntlet-type gloves and appropriate boots should be used to prevent exposure. Dust exposed personal protective equipment should be cleaned after each use and soiled clothing should be laundered after each use.

Eye Protection: Safety glasses with side shields that comply with ANSI Standard Z87.1 should be worn as minimal protection when the exposure to airborne particles exists. Dust goggles should be worn when excessive dust or debris is dust or air anticipated.

SECTION IX - STORAGE AND HANDLING PRECAUTIONS

Respirable crystalline silica-containing dust may be generated during the processing, handling and storage. The personal protective and control measures in Section VIII of this MSDS should be followed. Use methods that will minimize dust generation. Do not stand on stockpiles of this material, as it may be unstable. This product is not intended for abrasive blasting use. Do not store near food or beverage.

SECTION X - SPILLS AND DISPOSAL PRACTICES

The cleanup of spilled material may cause dusty conditions. The personal protective measures in Section VIII of the MSDS should be followed. Wetting material will minimize dust generation. Material should be disposed of according to all applicable federal, state, and local laws and regulations.

SECTION XI - TRANSPORTATION

DOT Classification - None Placard Requirement: None

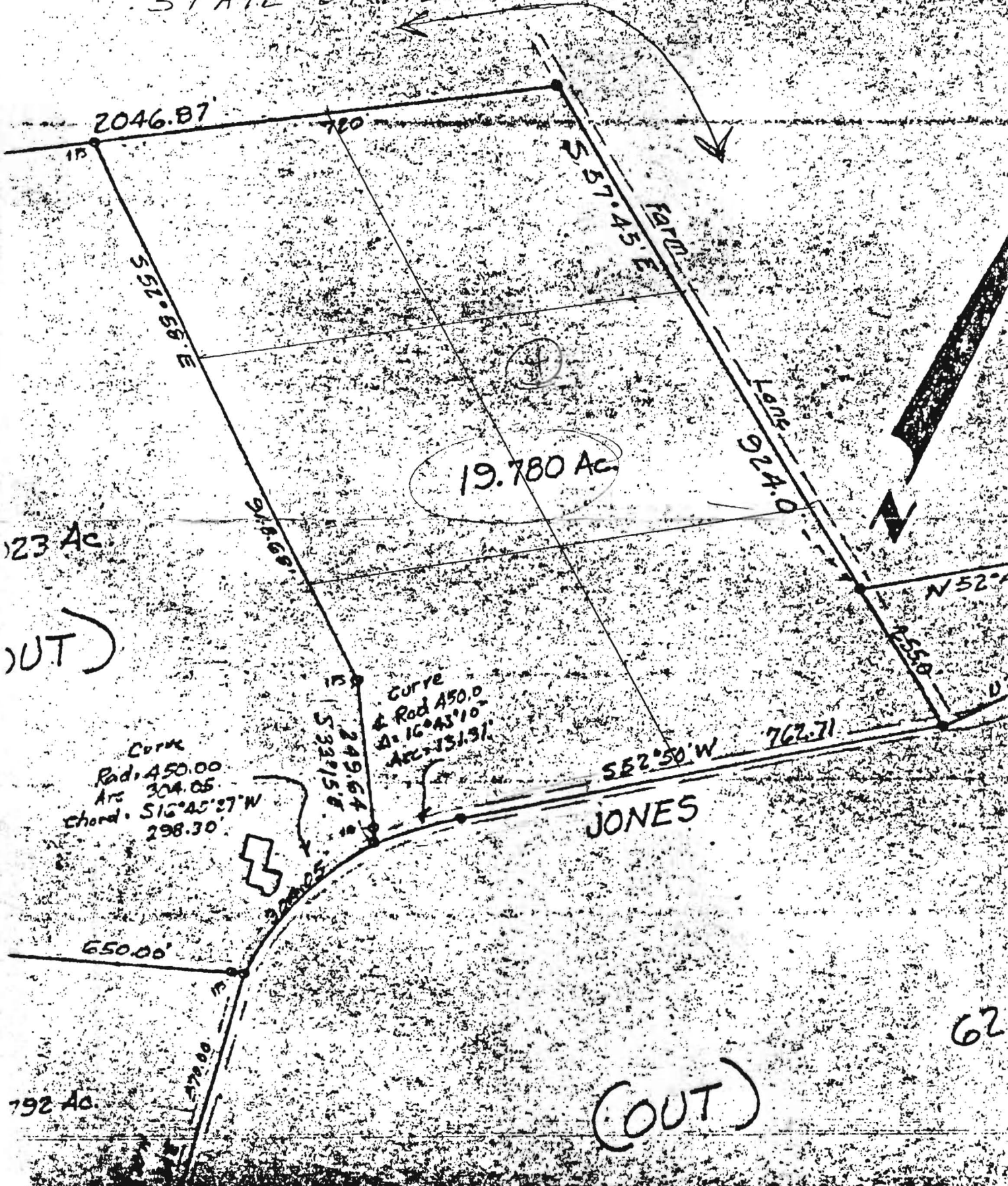
SECTION XII - DISCLAIMER

The information in this MSDS is believed to be current and accurate. No warranty, expressed or implied, of merchantability, fitness or otherwise is made. Any party using this product should review all federal, state, or local laws and regulations prior to use. S.W. Barrick & Sons is not responsible for the condition, performance, handling, storage, or disposal of the aggregate after the buyer takes title by pickup at the plant or delivery to the buyer's jobsite by S.W. Barrick & Sons.

SECTION XIII - DATE OF PREPARATION

Revision Summary: Revised October 15, 2007

~~ALBANY~~ ~~REPORT~~
STATE OF MD. PARKLAND



123 Ac.
(OUT)

19.780 Ac.

Curve
Rad: 450.00
Arc: 304.05
chord: S16°45'27"W
298.30'

Curve
Rad: 450.0
Ch: 16°43'10"
Arc: 131.91'

JONES

62

(OUT)

Williams, Jeffrey

From: Williams, Jeffrey
Sent: Monday, August 04, 2014 2:46 PM
To: 'pstaley@benninglandplan.com'
Subject: BAT plan 3236 Jones Rd

Hello Peter. I have reviewed the BAT plan for 3236 Jones Rd. I have a few questions/comments:

- The ecopod cross-section depicts two tanks. You may want to check with the septic contractor. The ecopod tanks we usually see in Howard are coming from Babylon Tanks and they are inside a single tank with two compartments. Also, the site plan shows three tanks. I'm assuming the 3rd tank is the pump tank, but the septic profile only indicates two tanks. If you are proposing a pump tank, please indicate the size and show it on the profile. Also, please indicate the design head and pump curve for the pump and the float elevations to dose the d-box. It should be set for about a 50g dose. The alarm float should be set and the tank size chosen to provide 1 day design storage (750g) above the alarm float.
- Please indicate the trench design on the plan with corresponding notes and depictions on the site drawing. For this 5 bedroom house, the specs are a 0.8 application rate, 6' maximum trench bottom depth, and an effective area starting at 3.5' depth. With a 3' wide trench, that would be $750g / 0.8 = 937.5 / 3 \times 0.56 = 175'$ total linear length. Please show trenches at equal lengths totaling 175' length at 3' wide with 10' separation. Add a note or chart showing the ground elevation, invert elevation, and trench bottom elevation for each trench.

Let me know if you have any questions. Thanks

Jeff Williams
Program Supervisor, Well & Septic Program
Bureau of Environmental Health
Howard County Health Dept.
410-313-4261
jewilliams@howardcountymd.gov

CONFIDENTIALITY NOTICE

This message and the accompanying documents are intended only for the use of the individual or entity to which they are addressed and may contain information that is privileged, confidential, or exempt from disclosure under applicable law. If the reader of this email is not the intended recipient, you are hereby notified that you are strictly prohibited from reading, disseminating, distributing, or copying this communication. If you have received this email in error, please notify the sender immediately and destroy the original transmission.

Williams, Jeffrey

From: Williams, Jeffrey
Sent: Tuesday, September 23, 2014 10:25 AM
To: 'Peter Staley'
Subject: 3236 Jones Rd

I've approved the BAT plan for 3236 Jones Rd with a few minor redline revisions. I added a distribution box to the line just before the upper trench. I also made a note that the line prior to the tank must have a cleanout at any bend and cannot have a bend over 45 degrees. Finally, I added a note to the sewer profile stating that the line from the tank to d-box will level out to 1-2% fall in the last 5' before the d-box.

The next step will be for a septic contractor certified by MDE and Ecopod for BAT installation to come in and pay for/pick up the septic permit. Thanks

Jeff Williams
Program Supervisor, Well & Septic Program
Bureau of Environmental Health
Howard County Health Dept.
410-313-4261
jewilliams@howardcountymd.gov

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Gravel Driveway

Initial Septic Health Dept. (T. B. D. How. Co.)

Approved Septic Area Plat 7630

Initial System (58') (59') (58')

187.5'

2,000 gal ECOPOD BAT SYSTEM
Inv. 73.0 / 70.5
Inv. Out. 69.3

New House
FF-579.2
BF-568.2
Inv. 70.7 (ring sewer)

LOD - 45,315 SF

Pool Well

103.2'

