

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: 6/13/16 **ONSITE SEWAGE DISPOSAL SYSTEM** P _____

APPROVAL DATE: 8/2/16 (SEC) **PERMIT: CONSTRUCTION** A 558754

PROPERTY ADDRESS: 11207 Independence Way

SUBDIVISION: Homewood Crossing LOT: 845 TAX ID: 05-443075

CONTRACTOR: Fogle's Septic Clean Inc. EMAIL: kurt@foglesinc.com

CONTRACTOR ADDRESS: 580 Obrecht Road, Sykesville, MD 21784 PHONE: 410-795-5670

CONTRACTOR CERTIFIED FOR BAT INSTALLATION: MDE MANUFACTURER:

PROPERTY OWNER: Toll MD III LP EMAIL: _____

OWNER ADDRESS: 14590 Edgewoods Way, Glenelg, MD 21042 PHONE: 410-489-2275

BAT UNIT MODEL: Norweco 600 PUMP SIZE: _____ PUMP TANK CAPACITY: _____

OPERATION & MAINTENANCE AGREEMENT DATE SIGNED: 2/11/16 DATE RECORDED: 2/11/16

DISTRIBUTION SYSTEM: GRAVITY PRESSURE DOSED BEDROOMS: 4 APPLICATION RATE: 0.6

TRENCHES:	LINEAR FEET REQUIRED: <u>277.5</u> <u>180'</u>	INLET DEPTH: <u>4</u> '
	TRENCH WIDTH: <u>3</u> 2'	MAXIMUM BOTTOM DEPTH: <u>8</u> 9'
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</u> 9'	EFFECTIVE AREA BEGINNING DEPTH: <u>7</u> 5'

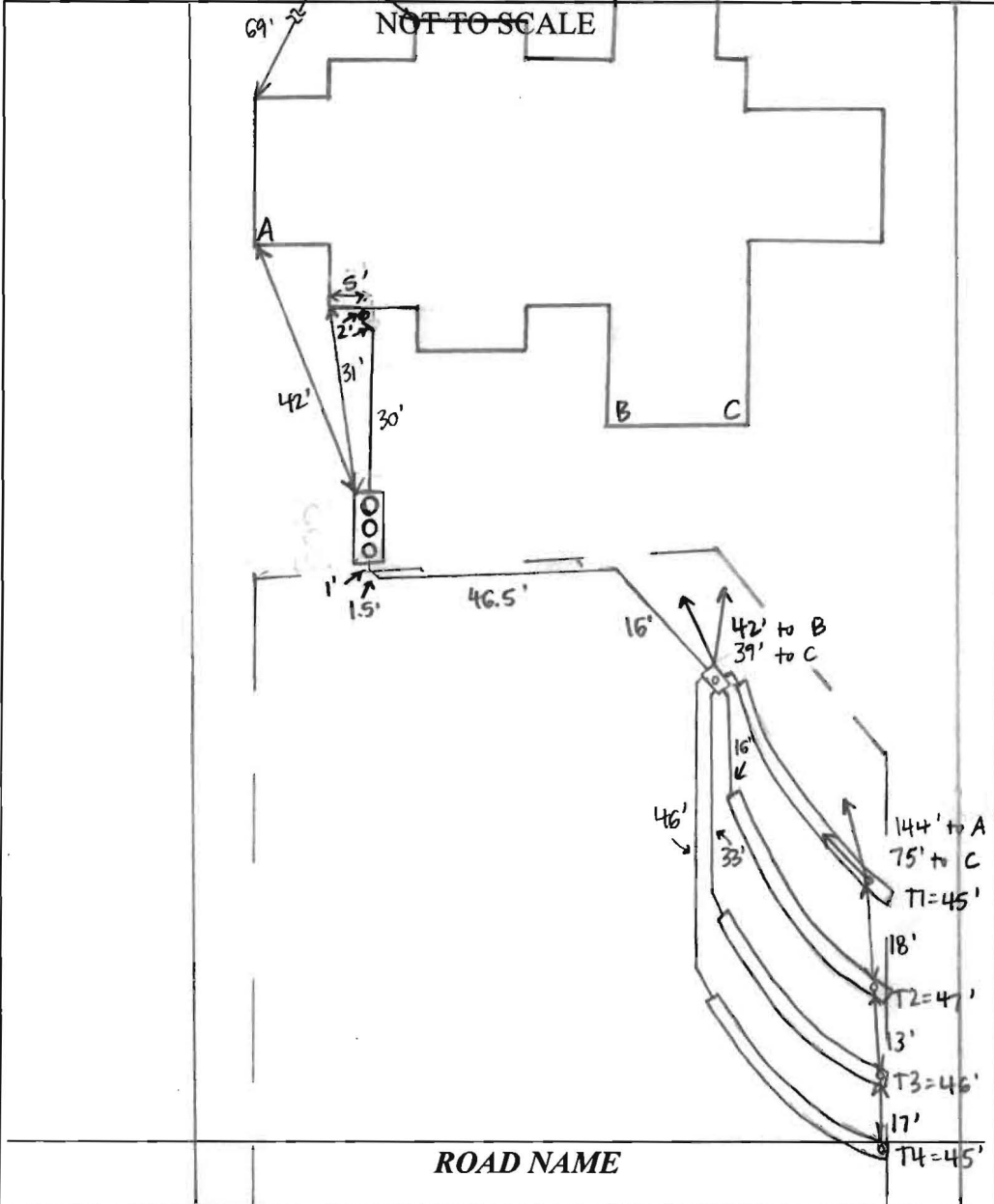
LOCATION: **PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND BAT UNIT LOCATION MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.**

NOTES: Install trenches on contour- maximize area with trenches at highest part of SDA.

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

**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.
 PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.
 CALL 410-313-1771 TO SCHEDULE INSPECTIONS.**



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
2'	4'	9'
NUMBER OF TRENCHES		4
TOTAL LENGTH		183'
ABSORPTION AREA		366' + SIDEWALL
DISTRIBUTION BOX LEVEL		YES
DISTRIBUTION BOX BAFFLE		YES
DISTRIBUTION BOX PORT		YES

SEPTIC TANK DATA	
SEPTIC TANK I LEVEL	YES
MANUFACTURER	BACKLIVER/ NO 2WECO
CAPACITY	1300 GAL
SEAM LOC	TOP
TANK LID DEPTH	1.5-2'
BAFFLES	NO
BAFFLE FILTER	NO
MANHOLE LOC	FRONT, MID, REAR
6" PORT LOC	NONE
WATERTIGHT TEST	NO
SLOTTED	NO
DATE ON LID	5-7-16

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:

6/28/16 Met Fogle's on site for layout. Tank stake present - not all SDA stakes are there. Laid out 4x45' trenches on contour at upper part of SDA. Fogle's okay to set tank - SDA must be restaked + verified by HCHD prior to trench install. Builder notified on site. (SC)

INSTALLATION:

6/29/16 Tank set, house connection not yet made. SDA restaked - trenches are inside SDA, Fogle's okay to install trenches. Run line to D-box as close to SDA edge to conserve future repair area. (SC) 6/30/16 T1-T3 complete + left open at ends. Fogle's digging T4 during site visit - 9' to bottom, 2' wide, 3.5' to stone. T1 + T2 observation pipes are 5' from trench ends; T3 + T4 obs. pipes @ ends. Need house connection + BAT startup certification. (SC) [levelled speed levelers during site visit] 7/5/16 BAT startup certification received. (SC) 8/2/16 House connection made. (SC)

Back River Pre-Cast, LLC

PO BOX 329
Glyndon, MD 21071
Phone # 410-833-3394
Fax # 410-833-4116

Letter of Certification

This is to certify that the Norweco Singulair TNT 600 GPD Septic Tank installed at 11207 Independence Way, Ellicott City, MD 21043 June 29, 2016 was installed according to the manufacture's specifications.

Installer: Matt Cooney

Property Owner: Toll MD limited Partnership

Permit #

THIS CERTIFICATION IS FOR INSTALLATION ONLY. THE 5-YEAR OPERATIONS & MAINTENANCE AGREEMENT FROM DATE OF INSTALLATION WILL ONLY GO INTO EFFECT AFTER BACK RIVER PRE-CAST, LLC RECEIVES FINAL AND FULL PAYMENT FOR THE SYSTEM.



MATTHEW GECKLE

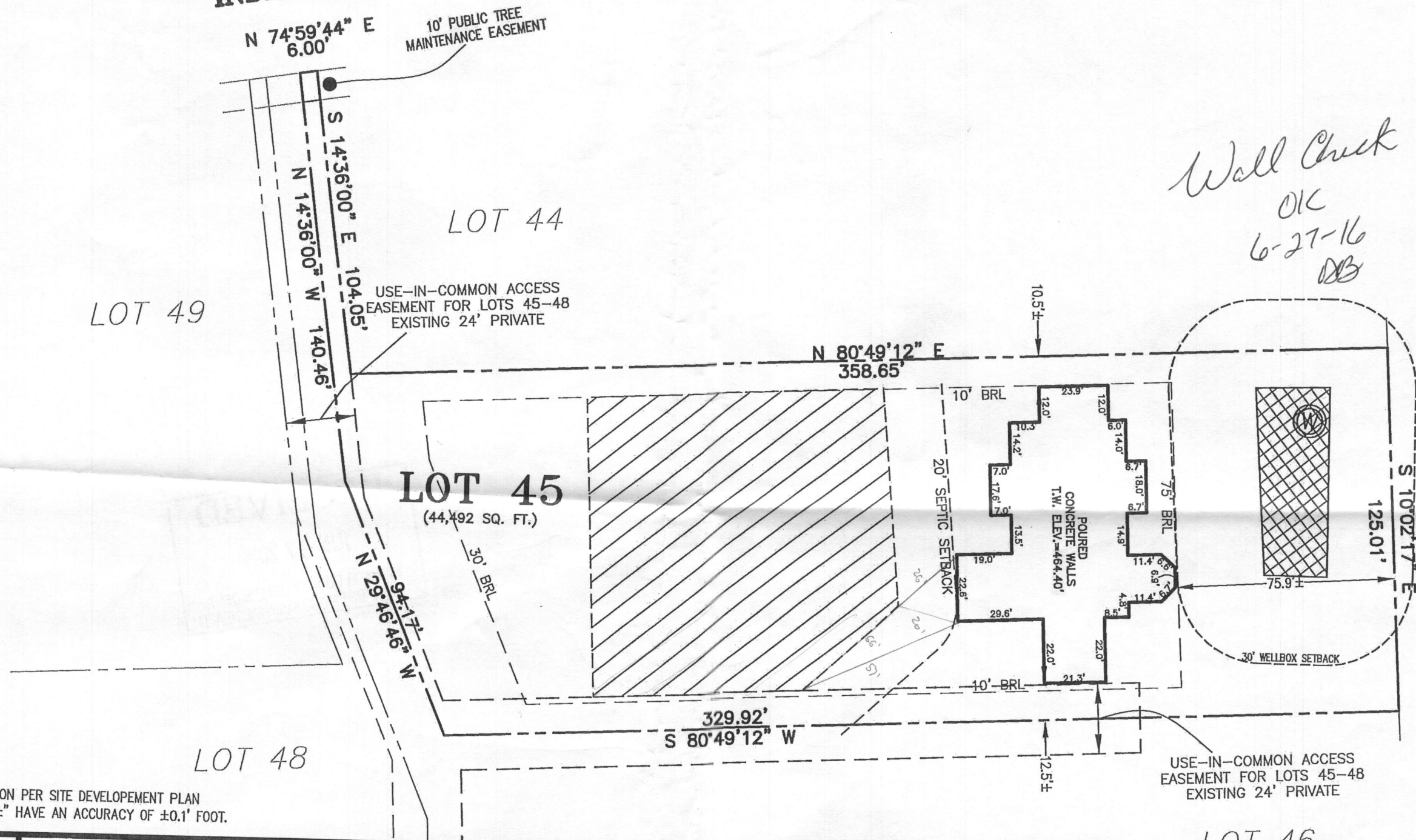
Vice-President

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21328, EXPIRATION DATE 1/8/17.

LEGEND:

BRL BUILDING RESTRICTION LINE
 T.W. TOP OF WALL
 ELEV. ELEVATION

INDEPENDENCE WAY



*Wall Check
 OK
 6-27-16
 DB*

HOMWOOD ROAD



WELL NO: HO-95-1233
 ADDRESS: 11207 INDEPENDENCE WAY
 ELLICOTT CITY, MD 21042

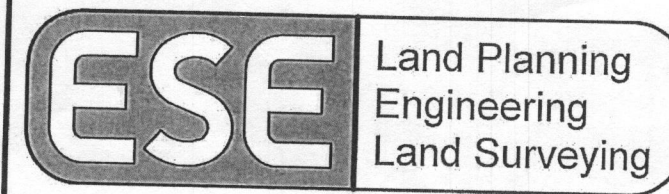
BUILDING SETBACKS (B.R.L.'s) SHOWN HEREON PER SITE DEVELOPEMENT PLAN
 SETBACK DISTANCES SHOWN HEREON AS "±" HAVE AN ACCURACY OF ±0.1' FOOT.

SURVEYOR'S CERTIFICATE

THIS WALLCHECK WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT. THIS PROPERTY IS SUBJECT TO ANY AND ALL EASEMENTS, RIGHT-OF-WAYS, COVENANTS, AND RESTRICTIONS, ETC. OF RECORD, SOME OR ALL OF WHICH MAY OR MAY NOT BE SHOWN AND/OR REFERENCED HEREON. BEARINGS AND DISTANCES OF THE PROPERTY BOUNDARY LINES SHOWN HEREON ARE PER AVAILABLE RECORDS AND HAVE NOT BEEN FIELD VERIFIED.
 THIS IS NOT A "LOCATION DRAWING" AND IS NOT TO BE USED FOR SETTLEMENT PURPOSES.

Michael Joe Boyce
 SIGNATURE: MICHAEL JOE BOYCE
 21328 MD. LIC NO.
 07/28/16 DATE

WALLCHECK
 LOT 45
HOMWOOD CROSSING
 LIBER 9808, FOLIO 204
 PLAT NO. 18245
 ELECTION DISTRICT No. 5
 HOWARD COUNTY, MARYLAND



ESE Consultants, Inc.
 7164 Columbia Gateway Dr.
 Suite 230
 Columbia, MD 21046
 Tel: 410-872-9105
 Fax: 410-872-4870

DATE: 04/28/16
 CHK'D: M.J.B.
 SCALE: 1"=40'
 JOB NO: 1214
 FILE: WC LOT 45
 DRAWN: V.X.P.



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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 ^{FEB} 11th day of ~~Jan~~ 2016, among Toll Brothers, Inc., hereinafter collectively referred to as "Owner", and the Howard County Health Department hereinafter referred to as the "County".

WHEREAS, Owner is the owner or contract owner of a parcel of land located at 11207 Independence Way, Ellicott City, in the 5th 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 9808 Folio 204.

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 Norweco Singular G 00T

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.

Bea Nufen 2/11/2016
Howard County Health Department

Owner #1 Signature Date

Owner#2 Signature Date

Owner #1 Print Name

Owner #2 Print Name

BYED A MEHDI 1/3/16
Buyer #1 Signature Date

Nasira Mehdi
Buyer #2 Signature Date

Nasira Mehdi
Buyer #1 Print Name

NASIRA MEHDI
Buyer #2 Print Name

11207 Independence way

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: Howard County
Reference/Control #: 103

LR - Agreement Surcharge
1x 40.00 40.00

=====
SubTotal: 60.00
Total: 60.00

=====
REV-Check-BOA 60.00
Number : 9679785

02/11/2016 11:35 CC13-SB

#5578000 /496/109

Thank you for visiting us today~



Bureau of Environmental Health

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

MEMORANDUM

TO: Nathen Brandensburg
Toll Brothers Inc.
Sent via email to NBRANDENBURG@tollbrothersinc.com on February 16, 2016

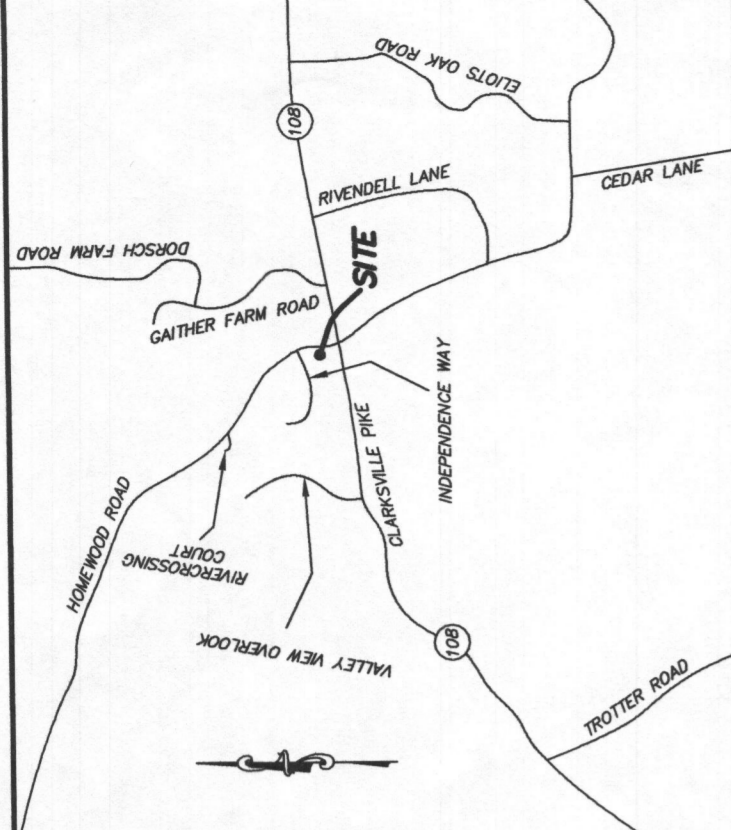
FROM: Robert Freemon *RIF*
Environmental Health Specialist
Howard County Health Department

RE: 11207 Independence Way
Ellicott City, MD 21042
Permit No. B16000381
Number of Bedrooms

Date: February 16, 2016

Comments concerning the Plot Plan and Floor Plan for Homewood Crossing, Lot 45: 4

- The Plot Plan of 1/16/16 is approved in respect to The Hampton containing four bedrooms. The Floor Plan however shows the lower level connecting to a full bath or “rough in” plumbing possibly creating a fifth bedroom upon finishing the basement.
- The Howard County Code Sec. 3.801(b) defines a bedroom as:
 - (1, i) 90 square feet or greater in size; and
 - (1, ii) May be used as sleeping area; and
 - (1, iii) Has at least one window; and
 - (2, iv) Has direct access to a full bathroom or “rough in” plumbing.
- The approved BAT Plan for this on-site septic disposal system is adequately sized to support up to four bedrooms. We recommend sizing the system for at least five bedrooms to accommodate the potential fifth bedroom if/when the basement is finished. Please note that if you choose to install the proposed system, any future living space addition in the basement may require a system upgrade prior the Health approval of the associated building permit.



VICINITY MAP
1" = 1000'

GENERAL NOTES:
 1. THE SUBJECT PROPERTY IS ZONED RC-DEO PER THE 2/2/04 COMPREHENSIVE ZONING PLAN AND PER COMP-LITE ZONING REGULATIONS DATED 7/28/06.
 2. PLAT REFERENCE: PLAT NO. 18243.
 3. THE EXISTING TOPOGRAPHY WITHIN THE AREA OF PROPOSED WORK IS TAKEN FROM FIELD RUN SURVEY WITH MAXIMUM TWO FOOT CONTOUR INTERVALS PREPARED BY ESE DATED 5/10/11.
 4. SEE ARCHITECTURAL PLANS FOR BUILDING DIMENSIONS AND DESIGN DETAILS. PRIOR TO STARTUP FOR CONSTRUCTION, IT SHALL BE THE OWNER/BUILDERS RESPONSIBILITY TO PROVIDE ESE CONSULTANTS INC. WITH THE MOST RECENT SET OF HOUSE PLANS.
 5. THE CONTRACTOR OR DEVELOPER SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS / BUREAU OF ENGINEERING / CONSTRUCTION INSPECTION DIVISION AT (410-313-1881) AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
 6. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
 7. TOTAL LIMIT OF DISTURBANCE: 32,837 SQ. FT. / 0.75 AC.±
 8. STORMWATER MANAGEMENT FOR THIS LOT IS PROVIDED BY PREVIOUSLY APPROVED PLAN F-05-069.
 9. ANY DAMAGE TO PUBLIC "RIGHT-OF-WAYS" OR PAVED PUBLIC ROADS SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTORS EXPENSE IN ACCORDANCE WITH THE HOWARD COUNTY STANDARDS AND SPECIFICATIONS.
 10. DEVIATIONS FROM THESE PLANS AND SPECIFICATIONS WITHOUT PRIOR WRITTEN CONSENT OF THE CIVIL ENGINEER (ESE) MAY CAUSE THE WORK TO BE UNACCEPTABLE.
 11. THE DIMENSIONED DISTANCES SHALL GOVERN IF SCALED AND DIMENSIONED DISTANCES ON THIS PLAN ARE FOUND TO BE IN DISAGREEMENT.
 12. THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM LOT AREA AND OWNERSHIP WIDTH AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
 13. ZZZZZ THESE AREAS DESIGNATE A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
 14. EXISTING WELLS, SEPTIC SYSTEMS, AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND THOSE WELLS WITHIN 200' DOWN GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS OR SEWAGE DISPOSAL AREAS HAVE BEEN SHOWN.
 15. ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN. CHANGES TO SEPTIC AREA WERE MADE PER "PERCOLATION CERTIFICATION REVISION PLAN" DATED 06/30/2015 AND IS CURRENTLY UNDER REVIEW.
 16. UPON BUILDING PERMIT REVIEW THE SEPTIC SYSTEMS FOR ALL PROPOSED STRUCTURES AND/OR EXISTING STRUCTURE EXPANSIONS SHALL BE RE-EVALUATED TO DETERMINE SUFFICIENT SYSTEM CAPACITY.
 17. THE DEVELOPMENT OF THIS LOT DOES NOT REQUIRE AN ENVIRONMENTAL CONCEPT PLAN SINCE STORMWATER MANAGEMENT WAS PREVIOUSLY APPROVED UNDER F-05-069.
 18. A STANDARD SEDIMENT CONTROL PLAN MAY BE USED FOR DEVELOPMENT OF THIS LOT. REFERENCE GRADING PLAN GP-14-034 DATED 10/30/13.
 19. THE EXISTING WELL(S) SHOWN ON THIS PLAN (IDENTIFIED WITH THE ATTACHED WELL TAG NUMBER HO-95-1233 HAS BEEN FIELD LOCATED BY ESE CONSULTANTS - PROFESSIONAL LAND SURVEY(S), AND IS ACCURATELY SHOWN.
 20. BUILDING SETBACKS (B.R.L.'S) SHOWN PER SITE DEVELOPMENT PLAN SETBACK DISTANCES SHOWN HEREON AS "±" HAVE AN ACCURACY OF ±0.1' FOOT.
 21. NO CULVERT FOR DRIVEWAY PER F-05-069.

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21328, EXPIRATION DATE 1/8/17.



SEPTIC SYSTEM/BEST AVAILABLE TECHNOLOGY (BAT) NOTES:
 1. ANY CHANGE TO THE LOCATIONS OR DEPTHS TO ANY COMPONENTS MUST BE APPROVED BY THE ENGINEER AND THE HOWARD COUNTY HEALTH DEPARTMENT PRIOR TO INSTALLATION. A REVISED SITE PLAN MAY BE REQUIRED.
 2. THE MAXIMUM DEPTH OF THE BAT PER THE MANUFACTURER'S SPECIFICATION IS 3 FEET COVER.
 3. THE BLOWER MAY NOT BE LOCATED MORE THAN 100 FEET FROM THE TANK BASED ON THE MANUFACTURER'S SPECIFICATIONS.
 4. THE BAT SYSTEM SHALL BE MAINTAINED AND OPERATED FOR THE LIFE OF THE SYSTEM.
 5. THE BAT SHALL BE OPERATED BY AND MAINTAINED BY A CERTIFIED SERVICE PROVIDER.
 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 THE 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.

TRENCH DATA
 APP. RATE (0.6)
 EFFECTIVE SIDEWALL (7)
 BOTTOM MAX. DEPTH (8)
 TRENCH 1 (T1):
 GROUND ABOVE = 459.7
 INV. IN = 455.7
 BOTTOM TRENCH = 451.7
 TRENCH 2 (T2):
 GROUND ABOVE = 459.2
 INV. IN = 455.2
 BOTTOM TRENCH = 451.2
 TRENCH 3 (T3):
 GROUND ABOVE = 458.7
 INV. IN = 454.7
 BOTTOM TRENCH = 450.7

SEWAGE DISPOSAL SYSTEM DATA (6 BDRM.)
 NORMECO SINGULAR TITLP-500 (3 CHAMBER SYSTEM)
 PROPOSED INVERT AT FOUNDATION WALL: 458.2
 1. EXISTING GRADE OVER TANK: 459.0
 PROPOSED GRADE OVER TANK: 459.0
 INVERT IN: 457.3 INVERT OUT: 457.0
 2. DISTRIBUTION BOX:
 EXISTING GRADE OVER BOX: 458.9
 PROPOSED GRADE OVER BOX: 458.9
 INVERT IN: 456.9 INVERT OUT: 456.6
 3. TRENCH DESIGN:
 (4 BDRM x 150 GPD/BDRM = 600 GPD)
 (4 BDRM x 0.6 APP. RATE = 2,400 SF)
 USE 3" WIDE TRENCH WITH XX" GRAVEL BELOW PIPE
 10" MIN. SPACING BETWEEN TRENCH EDGES
 1,000 SF x 3" WIDTH = 3,333 SF x 0.83 = 2,766.66 LF MIN. TRENCH
 USE 3 92.50' LONG TRENCHES = 2,775.00 LF
 BASEMENT NOT SERVICED VIA GRAVITY SEWER

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HOUSE OPTIONS:
 HOUSE TYPE: HAMPTON (TRADITIONAL)
 OPTION NO. 018
 OPTION NO. 023
 OPTION NO. 532
 OPTION NO. 263021

LEGEND:
 PERC TEST LOCATION
 WELL LOCATION
 LIMITS OF DISTURBANCE
 TW TOP OF WALL
 GF BASEMENT FLOOR
 BF BASEMENT FLOOR
 BRL BUILDING RESTRICTION LINE

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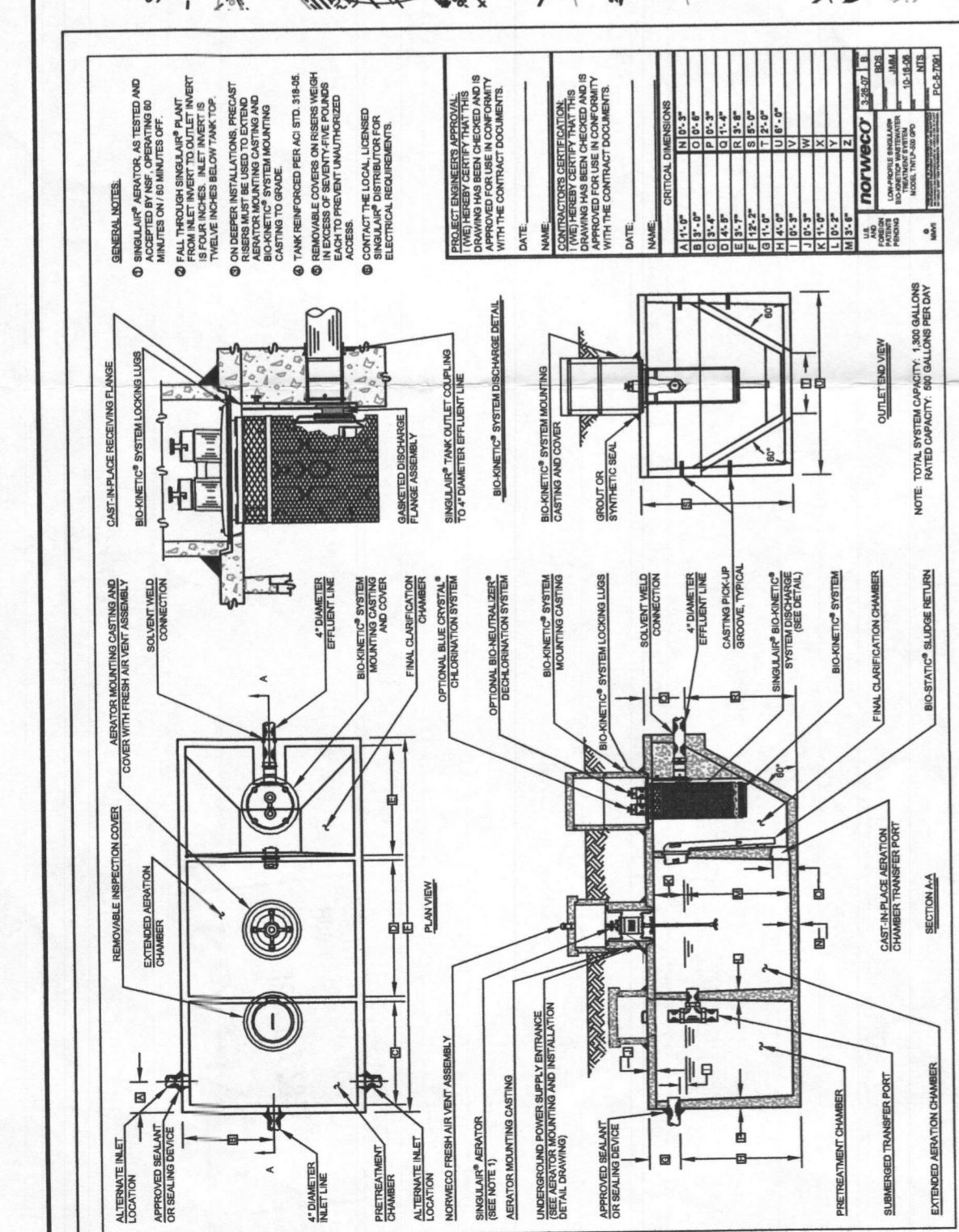
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 OPTION NO. 263021

LEGEND:
 PERC TEST LOCATION
 WELL LOCATION
 LIMITS OF DISTURBANCE
 TW TOP OF WALL
 GF BASEMENT FLOOR
 BF BASEMENT FLOOR
 BRL BUILDING RESTRICTION LINE

HOUSE OPTIONS:
 HOUSE TYPE: HAMPTON (TRADITIONAL)
 OPTION NO. 018
 OPTION NO. 023
 OPTION NO. 532
 OPTION NO. 263021

LEGEND:
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 WELL LOCATION
 LIMITS OF DISTURBANCE
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 GF BASEMENT FLOOR
 BF BASEMENT FLOOR
 BRL BUILDING RESTRICTION LINE

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ESE
 Land Planning
 Engineering
 Land Surveying

ESE Consultants Inc.
 7164 Columbia Gateway Dr.
 Suite 230
 Columbia, MD 21046
 TEL: 410-872-9105
 FAX: 410-872-4870

DATE: 06/30/15
 SCALE: 1"=40'
 JOB NO.: 1214
 CHK'D: M.J.B.
 FILE: BAT LOT 45
 DRAWN: R.C.K.

SITE PLAN FOR BAT INSTALLATION
 LOT 45
HOMWOOD CROSSING
 LIBER 9808, FOLIO 204
 PLAT NO. #4243 / 1224/5
 TAX NO. 05-443075
 FIFTH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 ADDRESS: 11207 INDEPENDENCE WAY
 ELLICOTT CITY, MARYLAND

APPROVED: FOR HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION

DIRECTOR

PROFESSIONAL ENGINEER

DATE

DATE

DATE

Approved Septic System Plan
 Howard County Health Department

Signature: *[Signature]*
 Date: 1/15/16

see revised plot plan for new house location - 05/15

