



**Howard County  
Health Department**

**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](http://www.hchealth.org)

Facebook: [www.facebook.com/hocohealth](http://www.facebook.com/hocohealth)

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

RECEIPT DATE: 8/24/23 **ONSITE SEWAGE DISPOSAL SYSTEM** P 575007

APPROVAL DATE: 12/18/2023 **PERMIT: NEW CONSTRUCTION** A \_\_\_\_\_

PROPERTY ADDRESS: 10633 Reynolds Court

SUBDIVISION: Kings Forest LOT: 7 TAX ID: \_\_\_\_\_

CONTRACTOR: Fogles Septic Clean Inc EMAIL: Kim@foglesinc.com

CONTRACTOR ADDRESS: 580 Obercht Road Sykesville, MD 21784 PHONE: 410-795-3670

CONTRACTOR CERTIFIED FOR BAT INSTALLATION: ☒ MDE ☒ MANUFACTURER:

PROPERTY OWNER: Toll Brothers EMAIL: sriley1@tollbrothers.com

OWNER ADDRESS: 250 Gibraltar Road, Horsham, PA 19044 PHONE: 410-872-9105

BAT UNIT MODEL: Norweco PUMP SIZE: \_\_\_\_\_ PUMP TANK CAPACITY: 2000 Gallon

OPERATION & MAINTENANCE AGREEMENT DATE SIGNED: 11-8-23 DATE RECORDED: 11-9-23

DISTRIBUTION SYSTEM: ☐ GRAVITY ☒ PRESSURE DOSED BEDROOMS: 6 APPLICATION RATE: 0.8

TRENCHES:	LINEAR FEET REQUIRED: <u>175</u>	INLET DEPTH: <u>2.5</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>8</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>5.5</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:	Electrical Permit Needed	

ISSUED BY: DB ISSUE DATE: 11-20-23 EXPIRATION DATE: 11-20-23

**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 DOWNGRADE 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 23004105

**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 separate  
Sheet for  
As built

ROAD NAME

**TRENCH/DRAINFIELD DATA**

WIDTH INLET BOTTOM

NUMBER OF TRENCHES 2  
TOTAL LENGTH 174'  
ABSORPTION AREA 522 ft<sup>3</sup>  
DISTRIBUTION BOX LEVEL yes  
DISTRIBUTION BOX BAFFLE yes  
DISTRIBUTION BOX PORT yes

**SEPTIC TANK DATA**

SEPTIC TANK 1 LEVEL yes  
MANUFACTURER Back River  
CAPACITY 750 GAL  
SEAM LOC top  
TANK LID DEPTH 2'-1'  
BAFFLES —  
BAFFLE FILTER —  
MANHOLE LOC front, middle, & back  
6" PORT LOC —  
WATERTIGHT TEST —  
SLOTTED —  
DATE ON LID 11/10/2023

PUMP/SEPTIC TANK LEVEL MA

MANUFACTURER —  
CAPACITY — GAL  
SEAM LOC —  
TANK LID DEPTH —  
BAFFLES —  
BAFFLE FILTER —  
MANHOLE LOC —  
6" PORT LOC —  
WATERTIGHT TEST —  
SLOTTED —  
DATE ON LID —

**PRE-CONSTRUCTION:**

11/20/2023 - BAI certified installer wrote for pre-con soil & tank siting. Well location 2100' from tank.  
Both trenches staked & began @ 88'. Upper trench off center by 12.5', lower trench off by 3.5" - 0.5'. Distance between  
trenches 14'-15'. OK to start work. (P)

**INSTALLATION:**

11/22/2023 - BAI tank set, & connected to foundation. I did see near home that the tank  
has full. Tank has 2'-1' of cover. Tank used @ front line 34040. OK to backfill front line. Lower trench  
started, depth to bottom @ 2.5'-3'. Came back inside @ later date to see finished lower trench, stone  
under perforated pipe @ 2'. Stone above perforated pipe much smaller. Lower trench began @ 86'. Hit @  
2.5'-3' OK to backfill. (P) 11/27/2023 - contractor not onsite, leveled 0.5m while onsite. Upper trench  
finished length @ 88' & inlet @ 2.5'-3'. OK to backfill. Needs start up. (P)

FINAL INSPECTOR

DATE OF APPROVAL

12/12/2023

NOT TO SCALE  
1" ≈ 30'





BACK RIVER PRE-CAST, LLC  
 PO BOX 329  
 GLYNDON, MD 21071  
 PH# 410-833-3394

**NORWECO CERTIFICATION**

PROPERTY OWNER: TOLL MID-ATLANTIC	INSTALLATION COMPANY: FOGLES SEPTIC
ADDRESS: 10633 REYNOLDS CT	CERTIFIED INSTALLER: JAMIE DEAVERS
CITY, ZIPCODE & COUNTY: ELICOTT CITY, 21042, HOWARD	PERMIT#
SIZE OF SYSTEM INSTALLED:	DATE INSTALLED: 11-22-23
750 GPD CONCRETE	START-UP DATE: 12-9-23
NUMBER OF BEDROOMS:	DATE OF FINAL INSPECTION:
TYPE OF INSTALLATION: NEW	DATE OF ELECTRICAL INSPECTION:
ELECTRICAL WIRING PER ELECTRICAL INSTRUCTIONS: YES	TANK LEVEL: YES
HT. OF CONTROL PANEL ABOVE FINAL GRADE: 42"	BURIAL DEPTH OF TANK: 20"
SYSTEM WIRED ON A 15-AMP DEDICATED CIRCUIT WITH STD. BREAKER: YES	RISERS 4" - 6" ABOVE GRADE: YES
LENGTH(S) OF UF WIRE PAST LAST AERATION RISER(S): 30"	VENTED LID(S) ON AERATION CHAMBER(S): YES
FEMALE PLUG(S) WIRED TO UF WIRE: YES	ANY GROUND SETTLING AROUND TANK:
CONDUIT(S) ENTERING AERATION RISER MADE WITH A WATERTIGHT CONNECTION: YES	NO
ISTHE INSIDE OF THE CONDUIT ENTERING THE CONTROL PANEL(S) AND AERATION RISER(S) SEALED WITH DUCT SEAL: YES	

ON 2<sup>ND</sup> PAGE MAKE A ROUGH SKETCH OF THE HOUSE , WHERE THE SYSTEM IS LOCATED, WHERE THE CONTROL PANEL IS LOCATED , WHERE THE FRONT OF THE IS AND DIRECTIONS TO THE PROPERTY.

DIRECTIONS CAN START A FEW STREETS AWAY

EXAMPLE: RT. X LEFT ONTO XX STREET RIGHT ONTO PRIVATE DRIVEWAY 5<sup>TH</sup> HOUSE OF THE LEFT.

I certify that the Norweco Singlair TNT Wastewater Treatment System was installed according to the manufacture's specifications.

Matthew Geckle

December 9, 2023

Signature of BRP Representative

Vice-President

Date

Clerk of the Circuit Court for  
Howard County

9250 Judicial Way,  
Ellicott City, MD 21043  
410-313-2111

LR - Agreement Recording Fee  
1x 20.00 20.00

Name: Rajan  
Ref: 1

LR - Agreement Surcharge  
1x 40.00 40.00

SubTotal: 60.00  
Total: 60.00

CRD-Credit 60.00  
Credit Card Confirmation : 003854

11/09/2023 08:51  
#17693634/396/4

CC17-DH

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 4<sup>th</sup> day of November, among Prasanna Murugesan and Vidhya Rajan, 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 10633 Reynolds Ct., in the 3<sup>rd</sup> Election District of Howard County, Maryland, and the deed and subdivision plat of the property is recorded among the Land Records of Howard County, Maryland, Tax Map # 23, Block # 23, Parcel # 0148, Deed Reference # 25764-68 and Tax Account # 603417 ("the Property").

WHEREAS, The Property 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 November 24, 2016. The pre-treatment device being installed is Norweco Model TNTLP-750 GPD

NOW, THEREFORE, the parties hereto agree as follows:

A. Owner hereby grants to the County the right to enter upon the Property at any reasonable time with prior notice 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.

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 Property 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 Property that the system shall require maintenance or other attention. Upon taking title to the Property, 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.

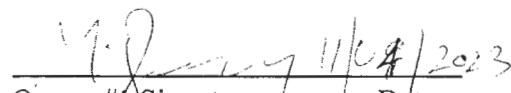
H. This agreement contains the entire agreement and understanding between the County and the Owner. There are no additional terms other than as contained in this agreement. This agreement may not be modified, except in writing signed by each of the parties or by their authorized representatives.

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 this agreement on the date indicated above.

  
Howard County Health Department

  
Owner #1 Signature      Date

PRASANNA MURUGESAN  
Owner #1 Print Name

  
Owner#2 Signature      Date

VIDHYA RAJAN  
Owner #2 Print Name

\_\_\_\_\_  
Buyer #1 Signature      Date

\_\_\_\_\_  
Buyer #1 Print Name

\_\_\_\_\_  
Buyer #2 Signature      Date

\_\_\_\_\_  
Buyer #2 Print Name







# LEGEND:

- BRL BUILDING RESTRICTION LINE
- T.W. WELL LOCATION
- G.F. GARAGE FLOOR
- SCE BASEMENT FLOOR
- DW DRYWELL
- PERC PASSED PERC LOCATION
- FW FAILED PERC LOCATION
- SDA SEWAGE DISPOSAL AREA
- WBA WELL BOX AREA
- PT PROPOSED TREE

## HOUSE OPTIONS:

HOUSE TYPE: PARKHURST (FAIRVIEW)

- TWO CAR SIDE ENTRY GARAGE
- DAYLIGHT BASEMENT
- WET BAR ROUGH-IN
- MULTI GENERATIONAL SUITE ADDITION
- ADDITIONAL ONE CAR FRONT ENTRY GARAGE
- ALTERNATE KITCHEN ISLAND
- LUXURY OUTDOOR LIVING SPACE
- DAYLIGHT WINDOW/WELL
- DOUBLE WIDE DRIVEWAY TAIL

- OPTION No. 012
- OPTION No. 018
- OPTION No. 048246
- OPTION No. 263073
- OPTION No. 263102
- OPTION No. 263149
- OPTION No. 263165
- OPTION No. 543
- OPTION No. 581

## INITIAL TRENCH DATA:

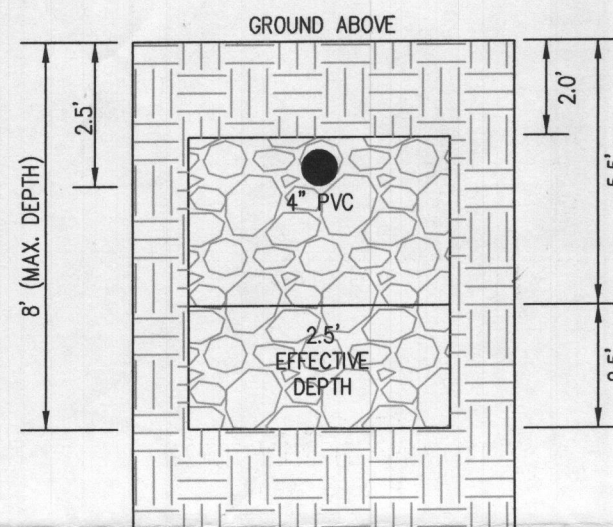
BOTTOM MAX. DEPTH (8')

TRENCH 1 (T1): 87.50 LF

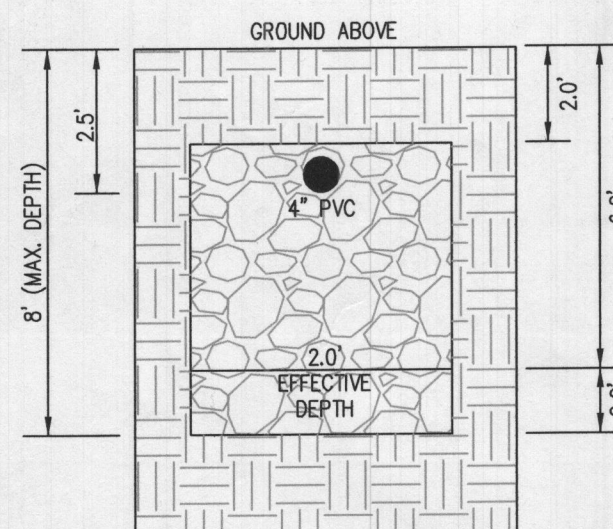
GROUND ABOVE = 449.40'  
INV. IN = 446.90'  
BOTTOM TRENCH = 441.40'

TRENCH 2 (T2): 87.50 LF

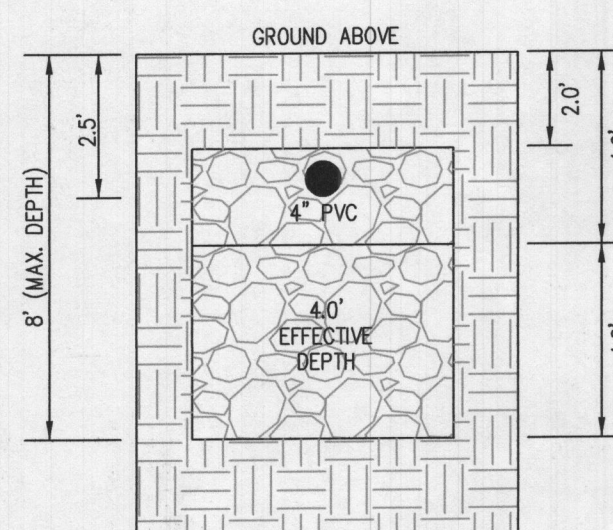
GROUND ABOVE = 447.80'  
INV. IN = 445.30'  
BOTTOM TRENCH = 439.80'



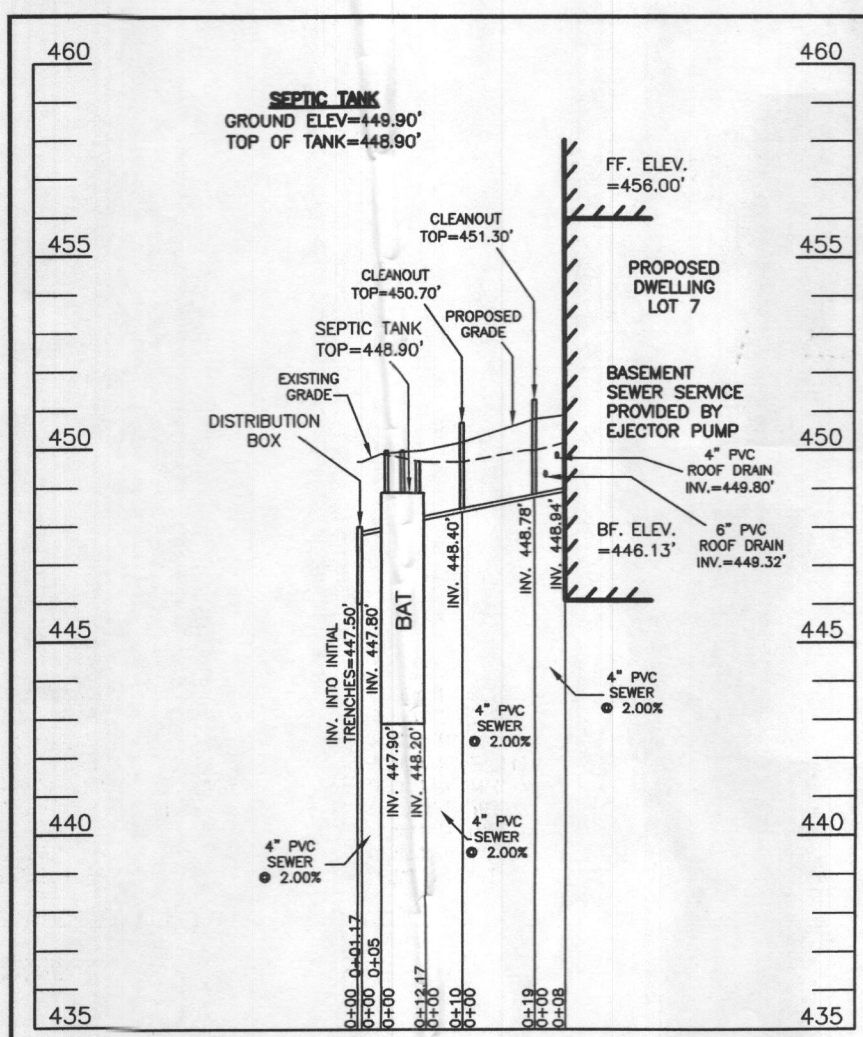
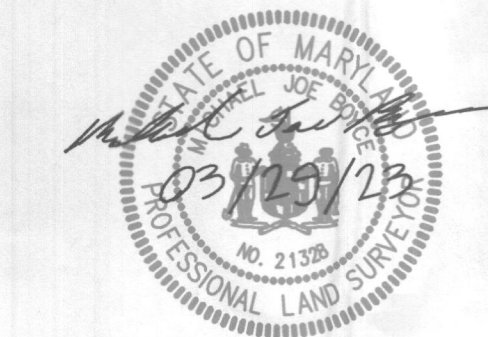
INITIAL SYSTEM  
TRENCH DETAIL (T1) AND (T2)  
(NOT TO SCALE)



1ST REPLACEMENT SYSTEM  
TRENCH DETAIL (T3) AND (T4)  
(NOT TO SCALE)



2ND REPLACEMENT SYSTEM  
TRENCH DETAIL (T5) AND (T6)  
(NOT TO SCALE)



SEPTIC SYSTEM PROFILE  
SCALE = HORIZONTAL: 1"=50'  
VERTICAL: 1"=5'

## SEWAGE DISPOSAL SYSTEM DATA (5 BDRM):

PROPOSED INVERT AT FOUNDATION WALL: 448.94'

- EX. GRADE OVER TANK: 449.90'  
PROPOSED GRADE OVER TANK: 449.90'  
INVERT IN: 448.20' INVERT OUT: 447.90'
- DISTRIBUTION BOX  
EXISTING GRADE OVER TANK: 449.70'  
PROPOSED GRADE OVER TANK: 449.70'  
INVERT IN: 447.80' INVERT OUT: 447.50'
- INITIAL TRENCH DESIGN (5 BDRM x 150 GPD/BDRM = 750 GPD)  
750 GPD ÷ 0.8 APP. RATE = 937.50 SF  
USE 3' WIDE TRENCH WITH 66" GRAVEL BELOW PIPE  
10' MIN. SPACING BETWEEN TRENCH EDGES  
937.50 SF ÷ 3' WIDTH = 312.5 LF x 0.56 (SIDEWALL REDUCTION) = 175.00 LF MIN.  
USE 2 87.50' LONG TRENCHES = 175.00 LF
- 1ST REPLACEMENT TRENCH DESIGN (5 BDRM x 150 GPD/BDRM = 750 GPD)  
750 GPD ÷ 1.2 APP. RATE = 625 SF  
USE 3' WIDE TRENCH WITH 66" GRAVEL BELOW PIPE  
10' MIN. SPACING BETWEEN TRENCH EDGES  
625 SF ÷ 3' WIDTH = 208.33 LF x 0.63 (SIDEWALL REDUCTION) = 131.25 LF MIN.  
USE 2 65.75' LONG TRENCHES = 131.50 LF
- 2ND REPLACEMENT TRENCH DESIGN (5 BDRM x 150 GPD/BDRM = 750 GPD)  
750 GPD ÷ 1.2 APP. RATE = 625 SF  
USE 3' WIDE TRENCH WITH 66" GRAVEL BELOW PIPE  
11' MIN. SPACING BETWEEN TRENCH EDGES  
625 SF ÷ 3' WIDTH = 208.33 LF x 0.42 (SIDEWALL REDUCTION) = 87.50 LF MIN.  
USE 2 43.75' LONG TRENCHES = 87.50 LF

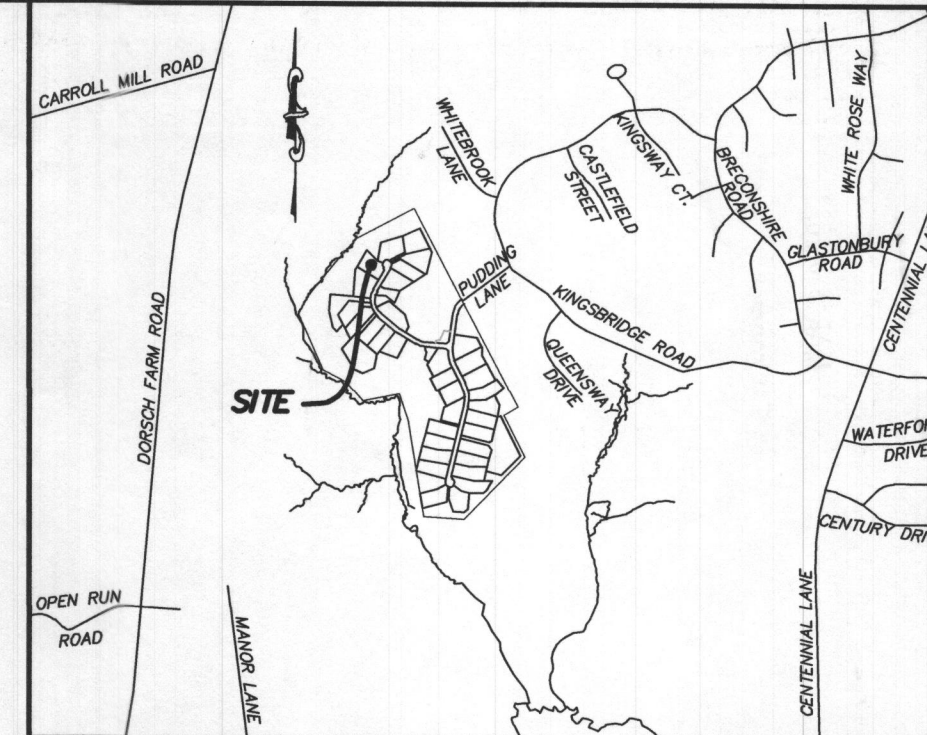
Approved System Plan  
Howard County Health Department  
Signature: *DBurand* Date: 4-20-23

## WELL LOCATION CERTIFICATION:

THE EXISTING WELL SHOWN FOR LOT 7 (TAG NO. HO-18-0184) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN HEREON.

## SITE PLAN FOR BAT INSTALLATION LOT 7 KINGS FOREST

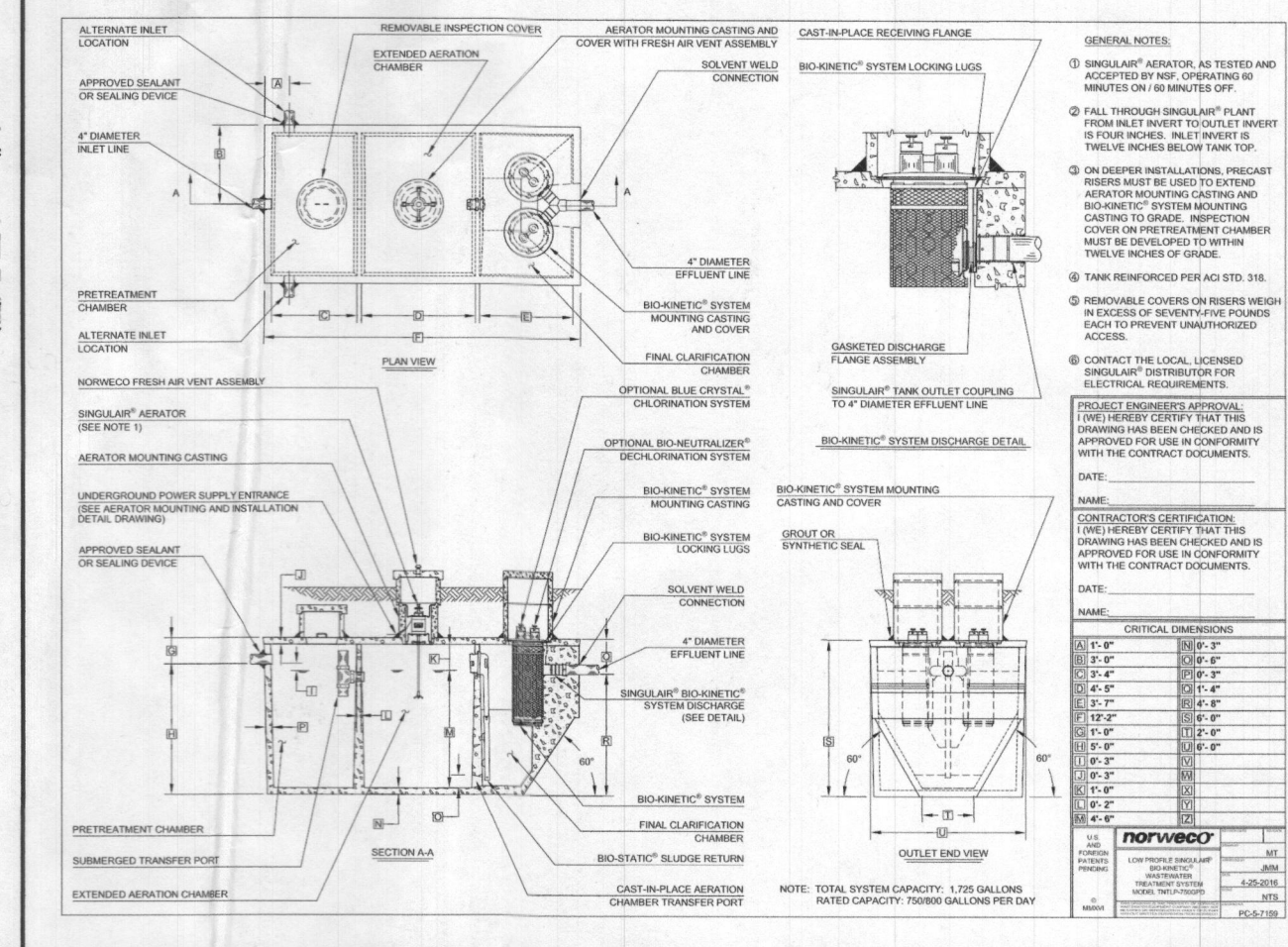
LIBER 20039, FOLIO 212  
PLAT NO. 25765  
ELECTION DISTRICT NO. 2  
HOWARD COUNTY, MARYLAND  
ADDRESS: 10633 REYNOLDS COURT  
ELLCOTT CITY, MARYLAND 21042



VICINITY MAP  
1" = 1000'

## GENERAL NOTES:

- THESE AREAS DESIGNATE A PRIVATE SEWAGE AREA 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 AREAS 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 UNTO THE PRIVATE SEWAGE AREA. RECORDATION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.
- 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.
- ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- BUILDING SETBACKS (B.R.L.'s) SHOWN HEREON PER SITE DEVELOPMENT PLAN SETBACK DISTANCES SHOWN HEREON AS "±" HAVE AN ACCURACY OF ±0.1' FOOT.
- ANY CHANGES 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.
- THE MAXIMUM EARTH COVER OVER THE TANK IS THREE (3) FEET. GREATER EARTH COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP, WIDTH, AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- THE EXISTING TOPOGRAPHY SHOWN HEREON IS FROM HOWARD COUNTY GIS, 2' CONTOUR INTERVAL AND FIELD VERIFIED BY BENCHMARK ENGINEERING, INC., IN FEBRUARY 2014.



## ESE CONSULTANTS ENGINEERING • PLANNING • SURVEYING • ENVIRONMENTAL

ESE Consultants, Inc.  
6731 Columbia Gateway Drive • Suite 120 • Columbia, MD 21046  
T: 410-872-9105

DATE: 03/28/2023 SCALE: 1"= 30' FILE: BAT LOT 7  
CHK'D: M.J.B JOB NO: 3502 DRAWN: R.C.K.