



Howard County  
Health Department

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

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](https://www.facebook.com/hocohealth)

RECEIPT DATE: 7-18-22

**ONSITE SEWAGE DISPOSAL SYSTEM**

P 572092

APPROVAL DATE: 10/27/22

**PERMIT: CONSTRUCTION**

A \_\_\_\_\_

PROPERTY ADDRESS: 10524 Pudding Lane

SUBDIVISION: King's Forest

LOT: 20

TAX ID: \_\_\_\_\_

CONTRACTOR: Chris Enterprises

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

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

PHONE: \_\_\_\_\_

CONTRACTOR CERTIFIED FOR BAT INSTALLATION:

☐

MDE

☐

MANUFACTURER:

PROPERTY OWNER: Toll Brothers

EMAIL: Sriley1@tollbrothers.com

OWNER ADDRESS: 7164 Columbia Gateway Drive, Suite 230

PHONE: 410-872-9105

BAT UNIT MODEL: Norweco

PUMP SIZE: \_\_\_\_\_

PUMP TANK CAPACITY: 2000

OPERATION & MAINTENANCE AGREEMENT

DATE SIGNED: 10/3/22

DATE RECORDED: 10/12/22

DISTRIBUTION SYSTEM: ☒ GRAVITY

☐ PRESSURE DOSED

BEDROOMS: 6

APPLICATION RATE: 1.2

TRENCHES:	LINEAR FEET REQUIRED:	<u>157.50</u>	INLET DEPTH:	<u>3</u>
	TRENCH WIDTH:	<u>3</u>	MAXIMUM BOTTOM DEPTH:	<u>6</u>
	MINIMUM SPACE BETWEEN TRENCHES:	<u>10</u>	EFFECTIVE AREA BEGINNING DEPTH:	<u>4</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:				

ISSUED BY: Dana Bernard

ISSUE DATE: 04/08/22

EXPIRATION DATE: 04/08/2023

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 22004194

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

**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 \_\_\_\_\_

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MANHOLE LOC \_\_\_\_\_

6" PORT LOC \_\_\_\_\_

WATERTIGHT TEST \_\_\_\_\_

SLOTTED \_\_\_\_\_

DATE ON LID \_\_\_\_\_

ROAD NAME

**PRE-CONSTRUCTION:**

10/24/2022 LAIN 3 x 53' TRS; STRAIGHTENED OUT TR w/ 90  
BEND

INSTALLATION: 10/26/2022 SHE, SL, TANK SET ~~UP~~ 10/27/22 - site inspection, all 3 trenches  
were complete w/ stone & geotextile fabric, observation ports in place, ok to backfill (en)

FINAL INSPECTOR

R. Reppert

DATE OF APPROVAL

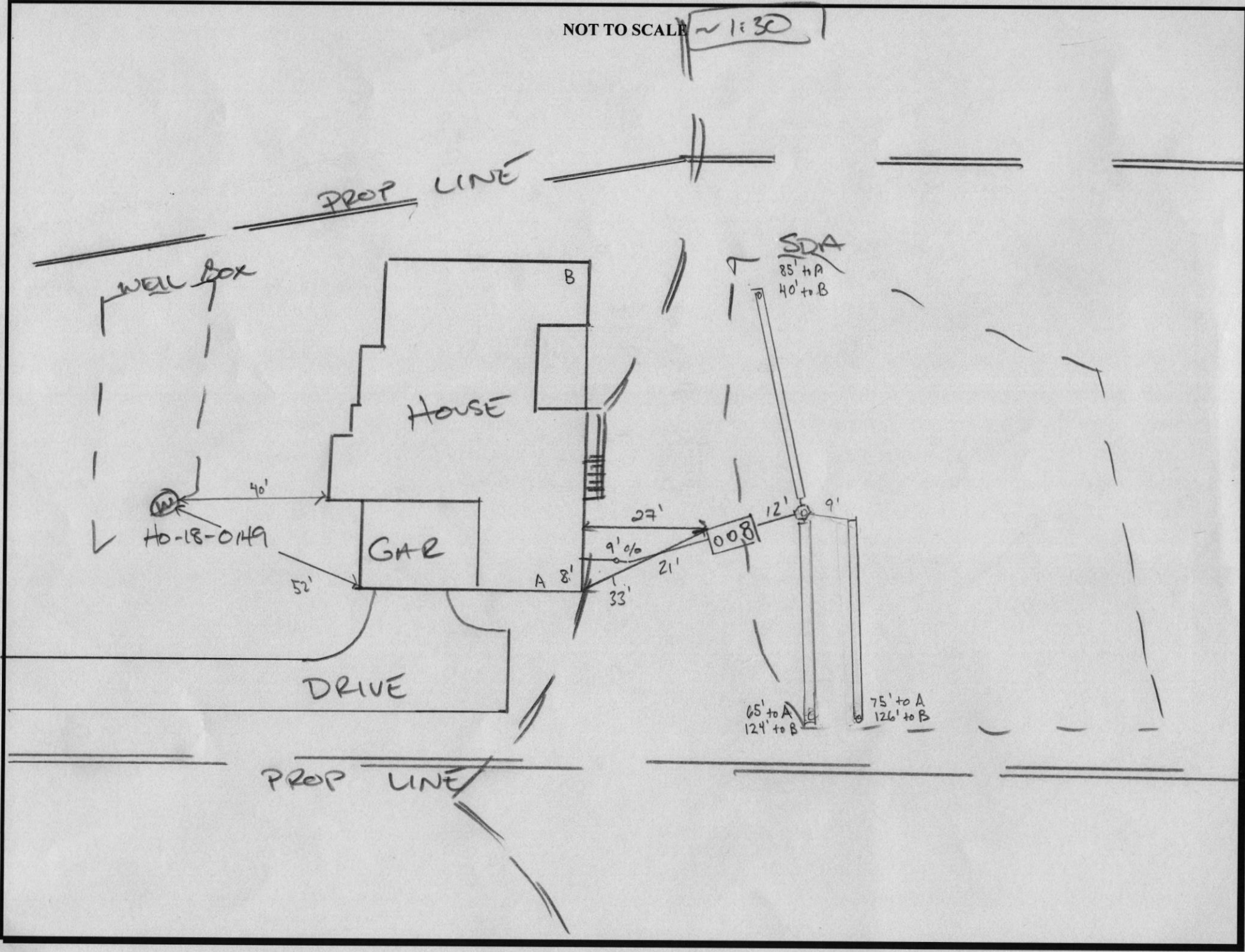
10/27/22



NOT TO SCALE

1:30

10524 PUDDING LANE - LOT 20



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 3rd day of October, among Rajesh Nayak, 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 Lot 20 16524 Paddock Lane, in the 310 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 # 148, Deed Reference # 25164-68 and Tax Account # 603480 ("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

Ascompe INTEL 75067.D

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.

Richard J. Quinn 10/5/22  
Howard County Health Department

Rajesh 9/23/22  
Owner #1 Signature                      Date

Rajesh Nayak  
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



# LEGEND:

- BRL BUILDING RESTRICTION LINE
- T.W. WELL LOCATION
- G.F. GARAGE FLOOR
- B.F. BASEMENT FLOOR
- PASSED PERC LOCATION
- FAILED PERC LOCATION
- SEWAGE DISPOSAL AREA
- WELL BOX AREA
- PROPOSED TREE
- PROPOSED TREE

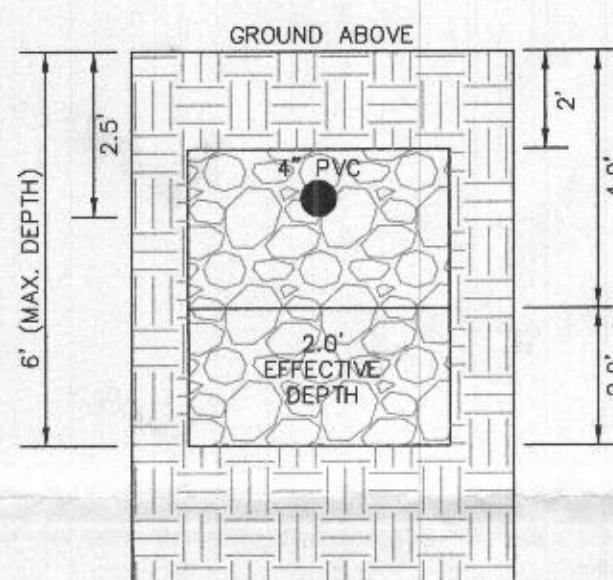
## INITIAL TRENCH DATA:

BOTTOM MAX. DEPTH (6")

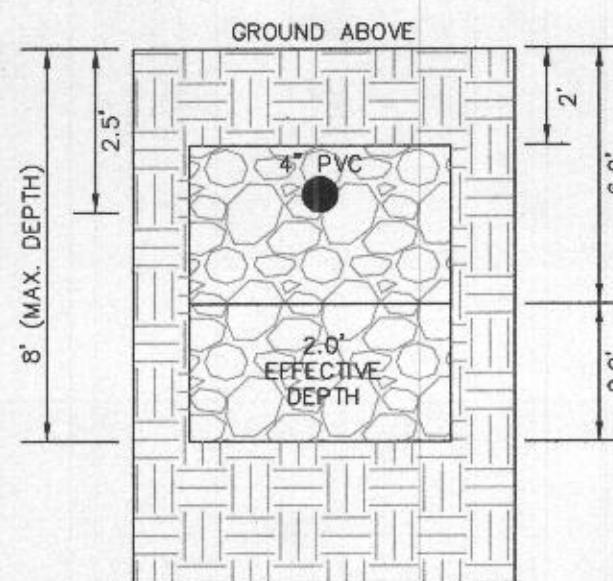
TRENCH 1 (T1): 52.50 LF  
GROUND ABOVE = 429.20'  
INV. IN = 426.70'  
BOTTOM TRENCH = 423.20'

TRENCH 2 (T2): 52.50 LF  
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BOTTOM TRENCH = 423.20'

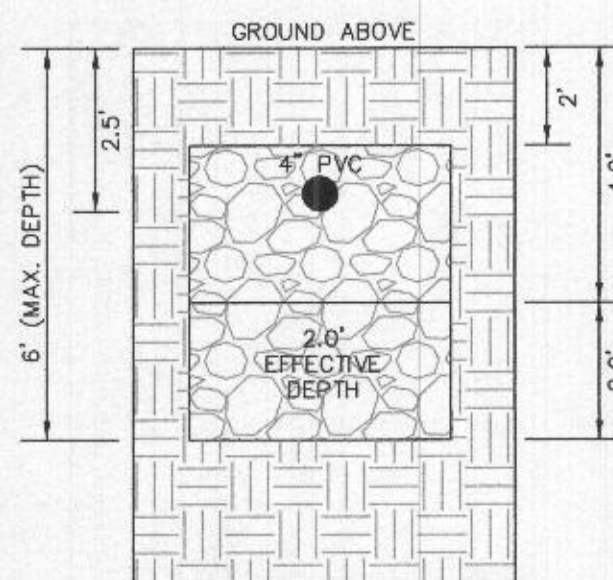
TRENCH 2 (T2): 52.50 LF  
GROUND ABOVE = 428.00'  
INV. IN = 425.50'  
BOTTOM TRENCH = 422.00'



INITIAL SYSTEM  
TRENCH DETAIL (T1) THRU (T3)  
(NOT TO SCALE)



1ST REPLACEMENT SYSTEM  
TRENCH DETAIL (T5) THRU (T8)  
(NOT TO SCALE)



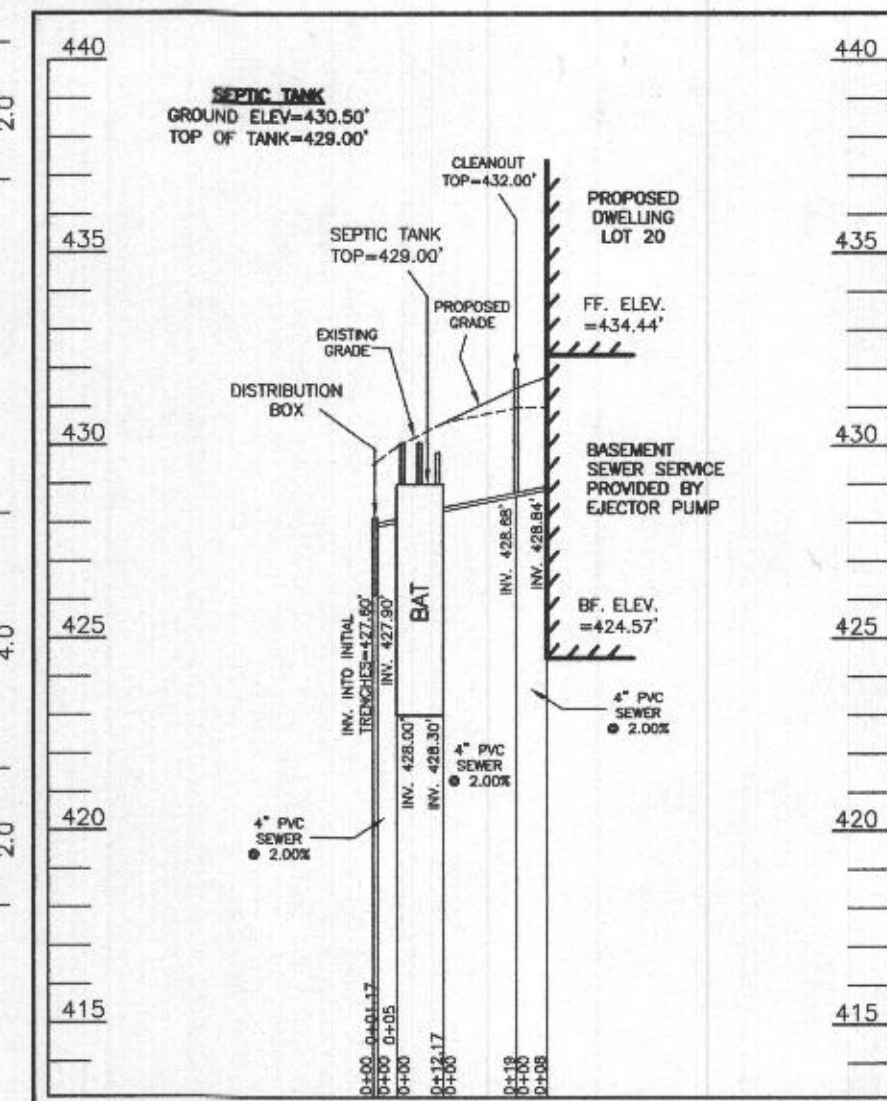
2ND REPLACEMENT SYSTEM  
TRENCH DETAIL (T9) THRU (T12)  
(NOT TO SCALE)

## HOUSE OPTIONS:

HOUSE TYPE: KALORAMA (FAIRVIEW)

TWO CAR SIDE ENTRY GARAGE  
FINISHED LOWER LEVEL  
DAYLIGHT BASEMENT  
MEDIA ROOM - FINISHED BASEMENT  
DOUBLE WIDE DRIVEWAY TAIL  
WET BAR ROUGH-IN  
POWDER ROOM - FINISHED BASEMENT  
STUDY IN LIEU OF LIVING ROOM/FLEX ROOM  
PREP KITCHEN  
LUXURY OUTDOOR LIVING SPACE  
GRAND MULTI-GEN SUITE ADDITION

OPTION No. 012  
OPTION No. 013  
OPTION No. 018  
OPTION No. 562  
OPTION No. 851  
OPTION No. 048246  
OPTION No. 263036  
OPTION No. 263038  
OPTION No. 263158  
OPTION No. 263165  
OPTION No. 263075



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

## WELL LOCATION CERTIFICATION:

THE EXISTING WELL SHOWN FOR LOT 20 (TAG NO. HO-18-0149) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN HEREON.

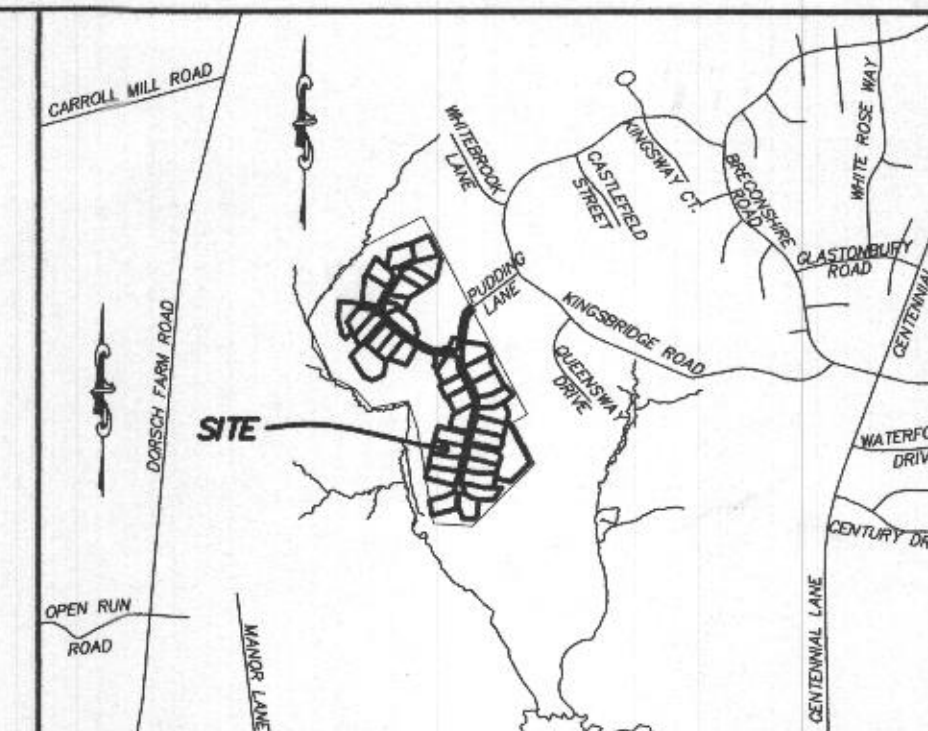
## LOT 20 (6 BEDROOM CALCULATION)

### SEWAGE DISPOSAL SYSTEM DATA (6 BDRM)

- PROPOSED INVERT AT FOUNDATION WALL: 428.84'
- EX. GRADE OVER TANK: 430.50'  
PROPOSED GRADE OVER TANK: 430.50'  
INVERT IN: 428.30' INVERT OUT: 428.00'
  - DISTRIBUTION BOX  
EXISTING GRADE OVER TANK: 429.50'  
PROPOSED GRADE OVER TANK: 429.50'  
INVERT IN: 427.90' INVERT OUT: 427.60'
  - INITIAL TRENCH DESIGN (6 BDRM x 150 GPD/BDRM = 900 GPD)  
900 GPD ÷ 1.2 APP. RATE = 750 SF  
USE 3' WIDE TRENCH WITH 60" GRAVEL BELOW PIPE  
10' MIN. SPACING BETWEEN TRENCH EDGES  
750 SF ÷ 3' WIDTH = 250 LF x 0.63 (SIDEWALL REDUCTION) = 157.50 LF MIN.  
USE 3 52.50' LONG TRENCHES = 157.50 LF
  - 1ST REPLACEMENT TRENCH DESIGN (6 BDRM x 150 GPD/BDRM = 900 GPD)  
900 GPD ÷ 0.8 APP. RATE = 1,125 SF  
USE 3' WIDE TRENCH WITH 60" GRAVEL BELOW PIPE  
10' MIN. SPACING BETWEEN TRENCH EDGES  
1,125 SF ÷ 3' WIDTH = 375 LF x 0.63 (SIDEWALL REDUCTION) = 236.25 LF MIN.  
USE 4 59.25' LONG TRENCHES = 237.00 LF
  - 2ND REPLACEMENT TRENCH DESIGN (6 BDRM x 150 GPD/BDRM = 900 GPD)  
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USE 3' WIDE TRENCH WITH 36" GRAVEL BELOW PIPE  
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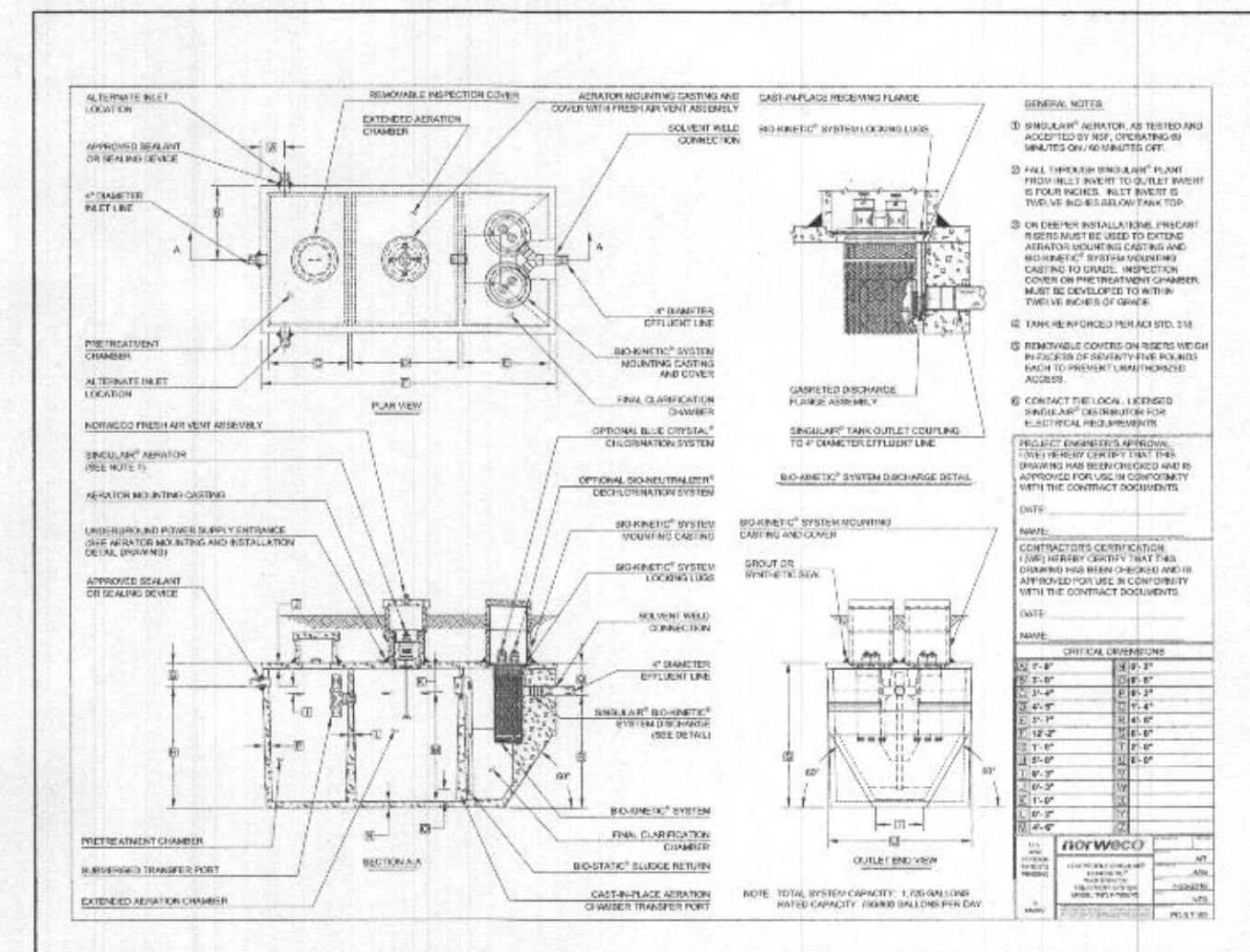
Approved Septic System Plan  
Howard County Health Department  
Signature: D. Bernard  
Date: 4-8-22



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 INTO 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 FISHER, COLLINS AND CARTER, INC.



SITE PLAN FOR BAT INSTALLATION  
LOT 20  
KINGS FOREST  
LIBER 11372, FOLIO 431  
PLAT NO. 25767  
ELECTION DISTRICT No. 2  
HOWARD COUNTY, MARYLAND  
ADDRESS: 10524 PUDDING LANE  
ELLICOTT, MD 21042

## ESE CONSULTANTS

ENGINEERING • PLANNING • SURVEYING • ENVIRONMENTAL

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

DATE: 03/07/2022 SCALE: 1"= 30' FILE: BAT LOT 20  
CHK'D: M.J.B. JOB NO: 3502 DRAWN: R.C.K.



# LEGEND:

- BRL BUILDING RESTRICTION LINE
- WELL LOCATION
- T.W. TOP OF WALL
- G.F. GARAGE FLOOR
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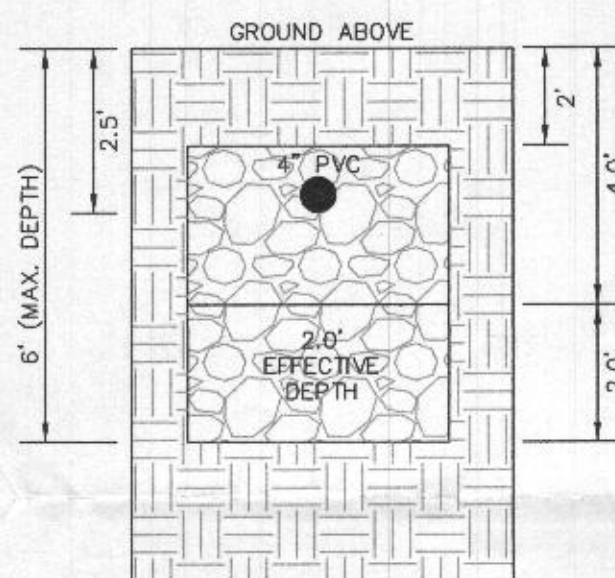
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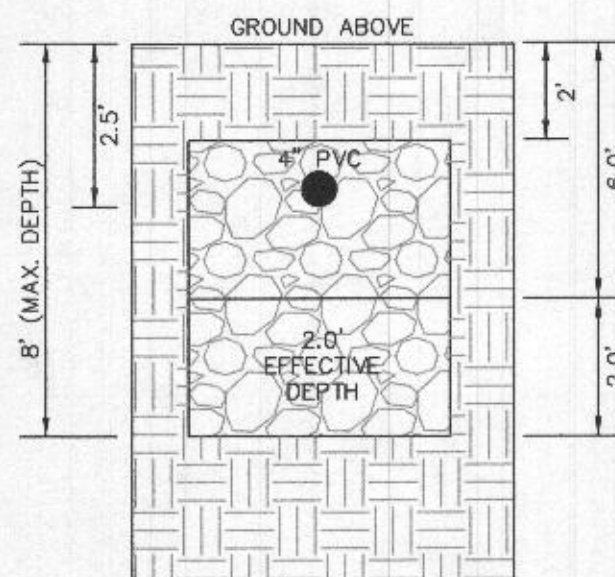
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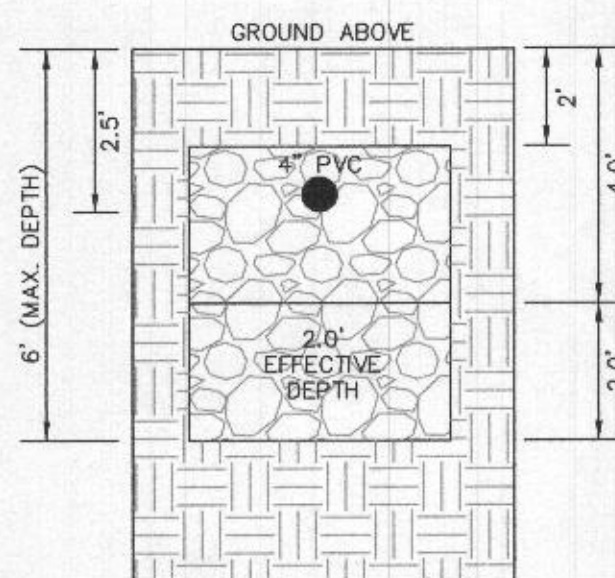
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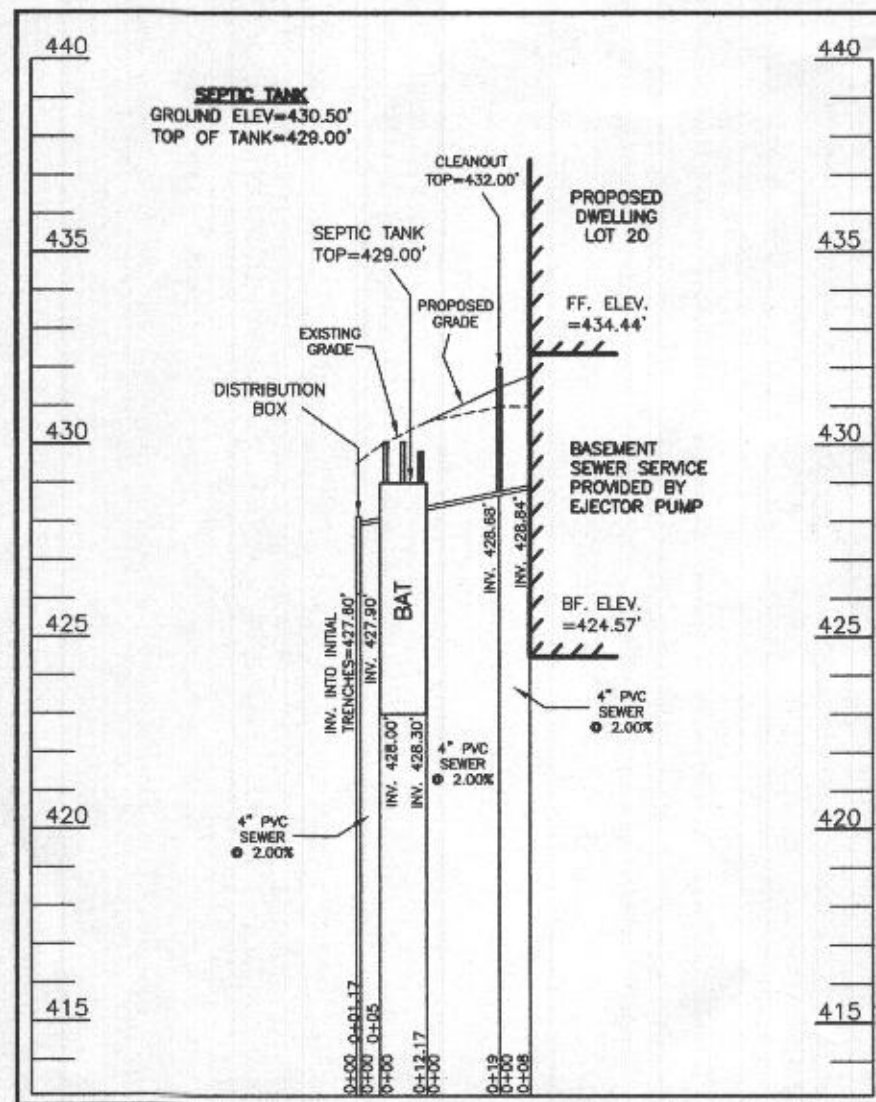
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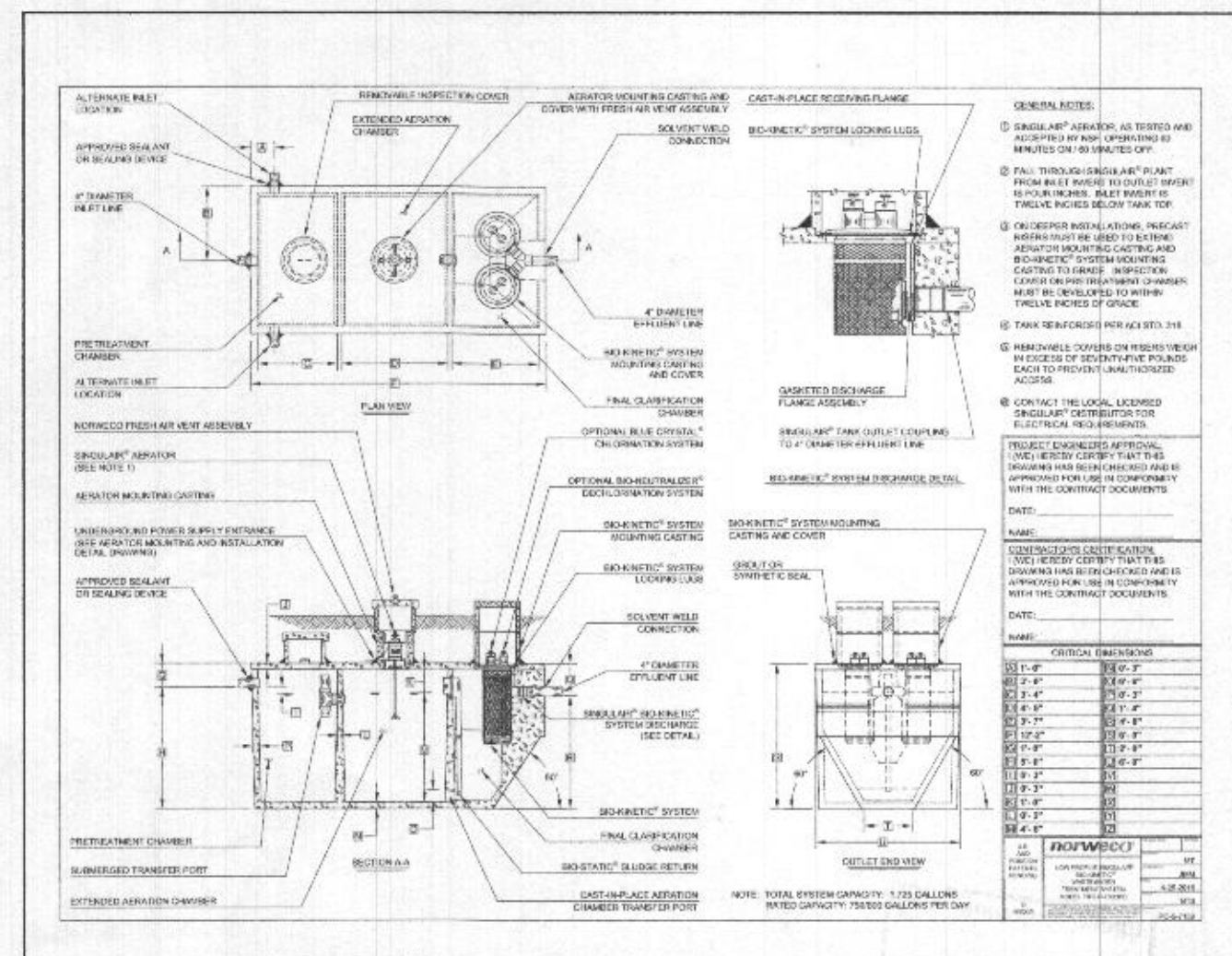
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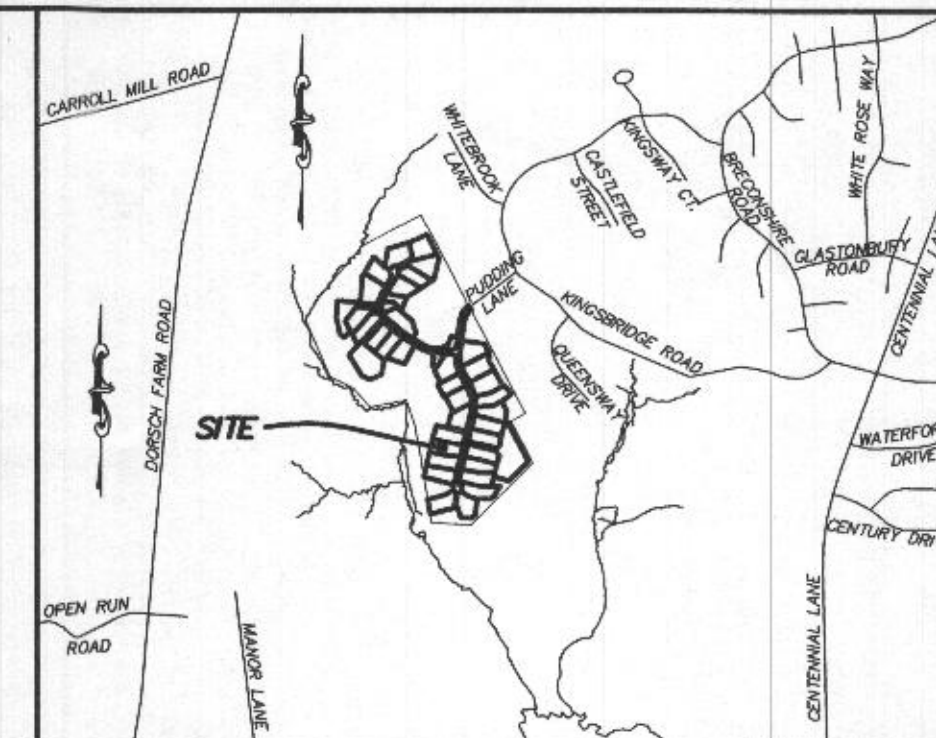


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DATE: 03/07/2022 SCALE: 1"= 30' FILE: BAT LOT 20  
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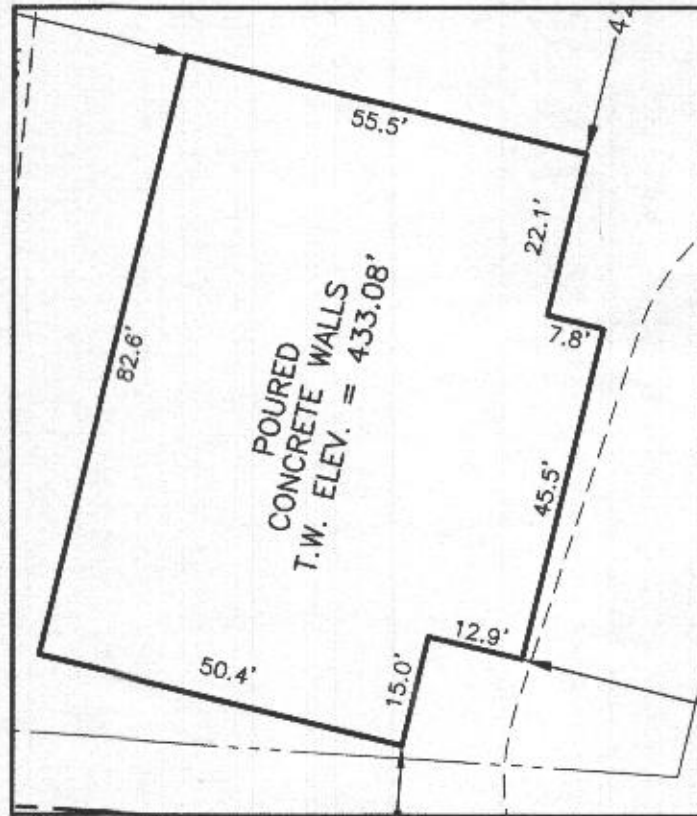
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- THE EXISTING TOPOGRAPHY SHOWN HEREON IS FROM HOWARD COUNTY GIS, 2' CONTOUR INTERVAL AND FIELD VERIFIED BY FISHER, COLLINS AND CARTER, INC.



**LEGEND:**

- BRL BUILDING RESTRICTION LINE
- W WELL LOCATION
- T.W. TOP OF WALL
- SEWAGE DISPOSAL AREA
- WELL BOX AREA



HOUSE ENLARGEMENT  
NOT TO SCALE

WELL NUMBER: HO-18-0149  
ADDRESS: 10524 PUDDING LANE  
ELLICOTT CITY, MD 21042  
PERMIT No.: B22001179

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**

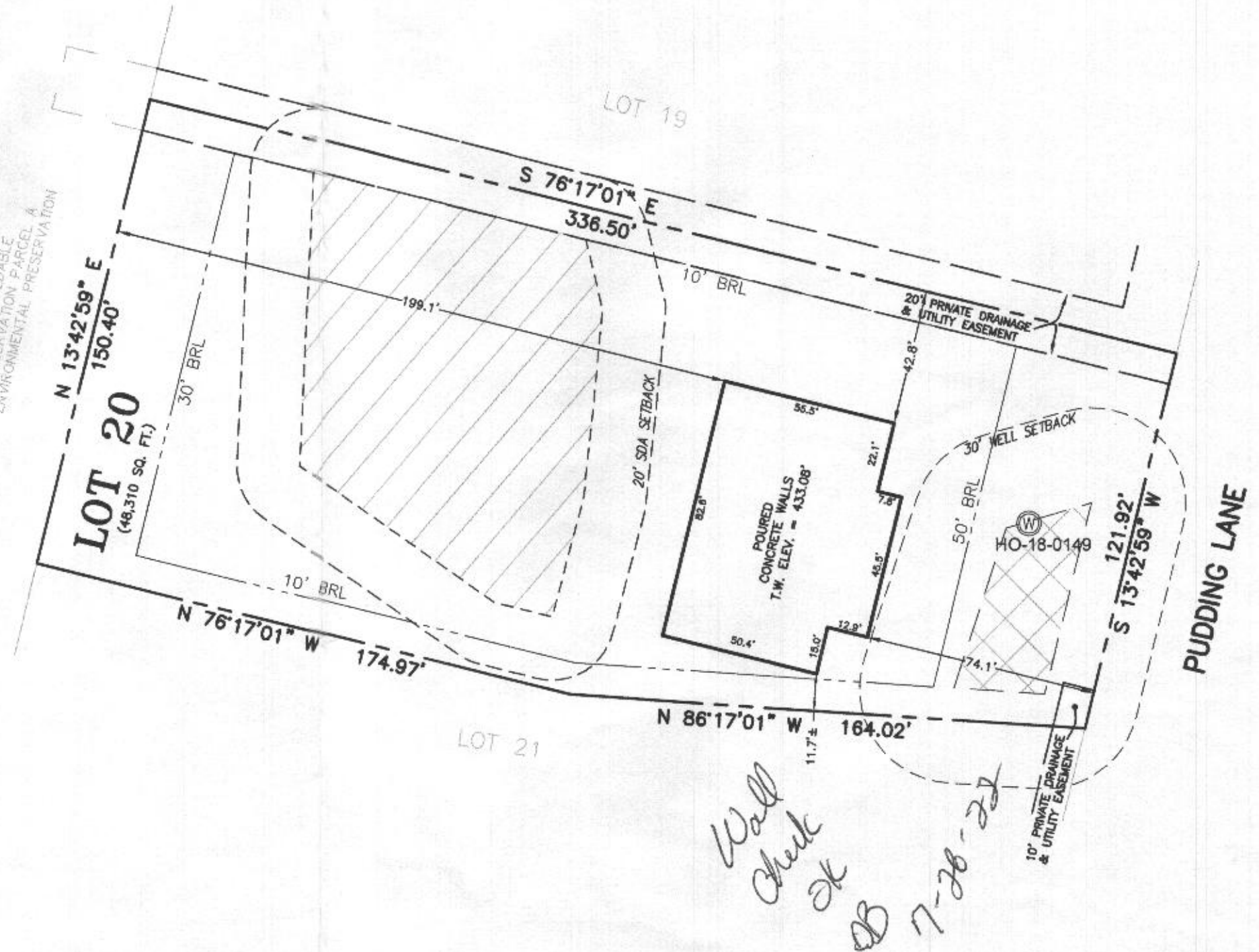
THIS WALLCHECK WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT. THIS PROPERTY IS SUBJECT TO ANY AND ALL EASEMENTS, RIGHT-OF-WAYS, COVENANTS, AND RESTRICTIONS, ETC. OF RECORD, SOME OR ALL OF WHICH MAY OR MAY NOT BE SHOWN AND/OR REFERENCED HEREON. BEARINGS AND DISTANCES OF THE PROPERTY BOUNDARY 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.

SIGNATURE: *Michael Joe Boyce* 21328 7/5/22  
MD, LIC NO. DATE

PLAT 25767

NON-BUILDABLE  
PRESERVATION PARCEL &  
ENVIRONMENTAL PRESERVATION



WALLCHECK

LOT 20  
KINGS FOREST  
LIBER 11372, FOLIO 431  
PLAT NO. 25767  
2nd ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

**ESE CONSULTANTS**

ENGINEERING • PLANNING • SURVEYING • ENVIRONMENTAL

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

DATE: 07/05/2022  
CHK'D: M.J.B.

SCALE: 1" = 40'  
JOB NO: 3502

FILE: WC LOT 20  
DRAWN: V.X.P.