

**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: 2/26/2024 **ONSITE SEWAGE DISPOSAL SYSTEM** P 579799  
 APPROVAL DATE: 7/1/2024 **PERMIT: CONSTRUCTION** A \_\_\_\_\_  
 PROPERTY ADDRESS: 10501 Pudding Lane  
 SUBDIVISION: Kings Forest LOT: 36 TAX ID: \_\_\_\_\_  
 CONTRACTOR: Fogles Septic Clean Inc. EMAIL: kim@foglesinc.com  
 CONTRACTOR ADDRESS: 580 Obrecht Road, Sykesville, MD 21784 PHONE: 410-795-5670

CONTRACTOR CERTIFIED FOR BAT INSTALLATION:  MDE  MANUFACTURER:

PROPERTY OWNER: Toll Mid Atlantic LP CO Inc. EMAIL: \_\_\_\_\_  
 OWNER ADDRESS: 250 Gibraltar Road, Horsham, PA 19044 PHONE: 410-872-9105

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

OPERATION & MAINTENANCE AGREEMENT DATE SIGNED: 12/19/23 DATE RECORDED: 2/7/24

DISTRIBUTION SYSTEM:  GRAVITY  PRESSURE DOSED BEDROOMS: 5 APPLICATION RATE: 0.6

TRENCHES:	LINEAR FEET REQUIRED: <u>208.33 (210LF)</u>	INLET DEPTH: <u>β 2 1/8</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>8</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>3</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:	<b>*****Electrical Permit Needed*****</b> <u>4x 3 - 70' long trenches</u>	

ISSUED BY: Dana Bernard H.O. ISSUE DATE: 4/22/24 EXPIRATION DATE: 2/26/25

- 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 24001240

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
3'	2.5'	8'
NUMBER OF TRENCHES		3
TOTAL LENGTH		219
ABSORPTION AREA		657 ft <sup>2</sup>
DISTRIBUTION BOX LEVEL		yes
DISTRIBUTION BOX BAFFLE		yes
DISTRIBUTION BOX PORT		yes

**SEPTIC TANK DATA**

SEPTIC TANK 1 LEVEL yes  
 MANUFACTURER Beckwith  
 CAPACITY 750 GAL  
 SEAM LOC Top  
 TANK LID DEPTH 2.5'-2'  
 BAFFLES 6" front  
 BAFFLE FILTER \_\_\_\_\_  
 MANHOLE LOC front, middle & back  
 6" PORT LOC \_\_\_\_\_  
 WATERTIGHT TEST \_\_\_\_\_  
 SLOTTED \_\_\_\_\_  
 DATE ON LID 11/9/2023

**PUMP/SEPTIC TANK LEVEL** N/A

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

SEPTIC CONTRACTOR ONSITE INSTALLING SYTEM: Jamie  
 SEPTIC CONTRACTOR ONSITE LICENSED WITH THE STATE OF MD: YES/NO

**PRE-CONSTRUCTION NOTES:**

4/29/24 - 520K started per plan, sewer coming out of house per plan.

SDA staked, trenches staked, well = 100' from tank & trenches. trench lengths @ 70'.

Dropped upper trench 5.5' to be on contour. Moved middle up 1'. Distance between middle & lower

10'-12', distance between upper & middle 10'. (8)

**INSTALLATION NOTES:**

4/30/2024 - tank set w/ 2.5' of cover. line from house to tank is 50' w/ adequate FUL. lid  
 seen @ house. D box set. Lowest trench dug, bottom @ 8'. installer working on stone ok to  
 backfill line from house to tank. Reinspect for rest of trenches & level d-box & front baffles. (7)

5/1/2024 - installer onsite for inspection. Lower trench finished, inlet @ 2.5', middle trench started, bottom  
 @ 8', inlet @ 2.5'. ok to backfill both trenches. space between trenches 12'. Saw 8" knob backfill. (8)

5/3/2024 - installer onsite for inspection. D box leveled while onsite. upper trench finished, inlet @  
 2.5', length @ 77', installer what longer than plan on accident. stone & foam ok. ok to backfill. (8)

FINAL INSPECTOR Neals 7/1/2024 DATE OF APPROVAL [Signature]  
 Neals BAT Start up (8)

2/1/2024 BAT start-up record (8)

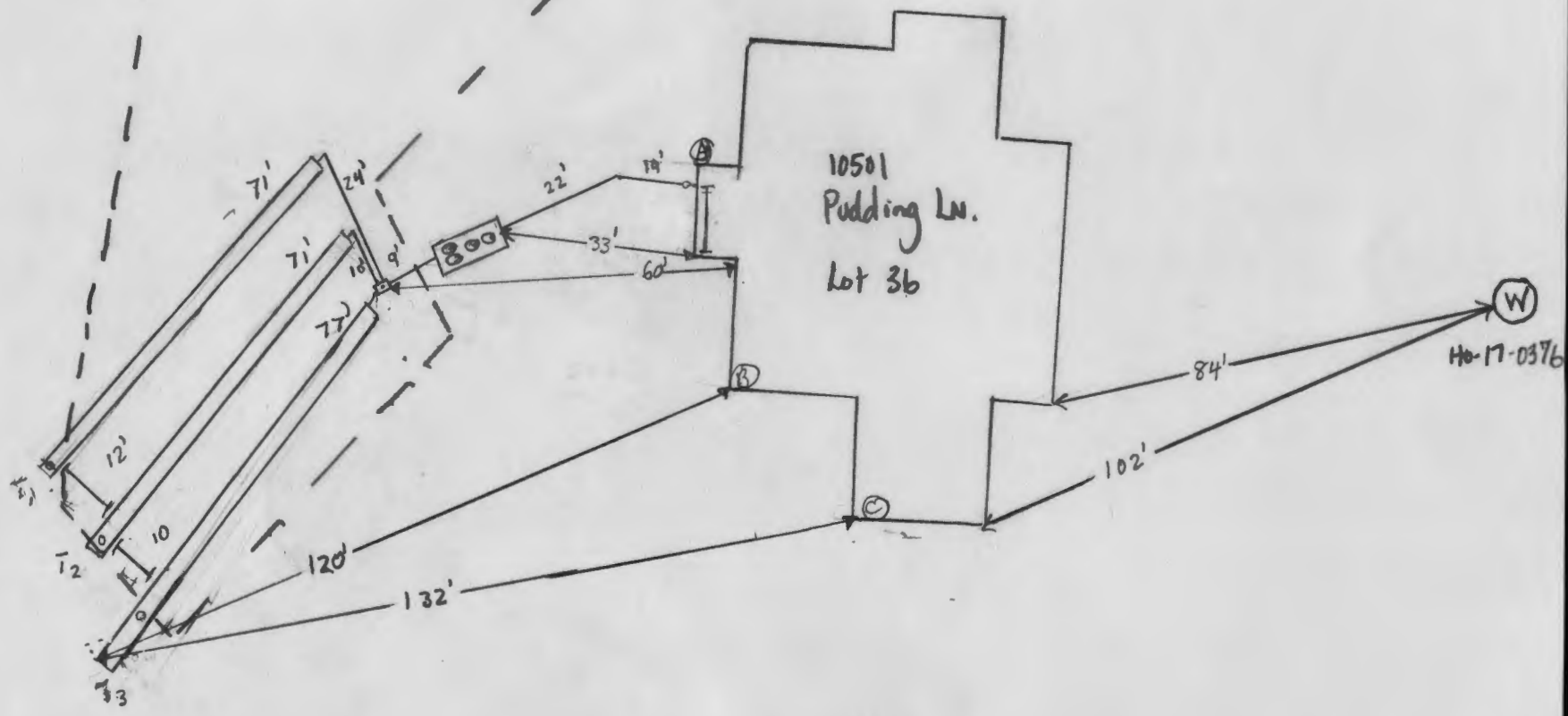
**CONTROL PANEL DATA**

CONTROL PANEL HEIGHT N/A  
 (MIN 30")  
 INSPECTION DATE N/A  
 INSPECTION: PASS/FAIL (CIRCLE ONE)

1" ≈ 30'

NOT TO SCALE

Trnk - A : 36'  
D-box - A : 57'  
I<sub>1</sub> - B : 120'  
I<sub>1</sub> - C : 141'





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: 10501 PUDDING LANE	CERTIFIED INSTALLER: JAMIE DEAVERS
CITY, ZIPCODE & COUNTY: ELLICOTT CITY, 21042, HOWARD	PERMIT#
SIZE OF SYSTEM INSTALLED:	DATE INSTALLED: 4-30-24
750 GPD CONCRETE	START-UP DATE: 6-14-24
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: 36"	BURIAL DEPTH OF TANK: 30"
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 Singulair TNT Wastewater Treatment System was installed according to the manufacture's specifications.

Matthew Geckle

June 14, 2024

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: chang  
Ref: 2

LR - Agreement Surcharge  
1x 40.00 40.00

SubTotal: 60.00  
Total: 60.00

CRD-Credit 60.00  
Credit Card Confirmation : 027491

03/20/2023 12:25  
#17073947/497/4

CC13-LP

Thank you for visiting us today

10521 Paddock Ln - Well  
agreement

3p

10501 Pudding Lane

2-7-24

STATE OF ILLINOIS  
JUDICIAL CLERK, NO 21043  
410-313-2111

LR - Agreement Recording Fee	1x	20.00	20.00
Name: gar			
Ref: 5			
LR - Agreement Surcharge	1x	40.00	40.00
R - Agreement Recording Fee	1x	20.00	20.00
Name: kundoor			
Ref: 6			
Agreement Surcharge	1x	40.00	40.00
Agreement Recording Fee	1x	20.00	20.00
Name: nguyen			
Agreement Surcharge	1x	40.00	40.00
Agreement Recording Fee	1x	20.00	20.00
Agreement Surcharge	1x	40.00	40.00



Handwritten text, likely a caption or description, written in a cursive or script style. The text is partially obscured by a dark, circular mark or shadow.



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8930 Stanford Blvd | Columbia, MD 21045  
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410.313.2648 - Fax  
1.866.313.6300 - Toll Free

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 21<sup>st</sup> day of December, among Tiffany Hoang  
Phuong Nguyen, 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  
10501 Redding Lane Ellicott City MD 21042 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 # 0023, Block # 0023, Parcel # 0148, Deed  
Reference # 25764-68 and Tax Account # 603446 ("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  
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.

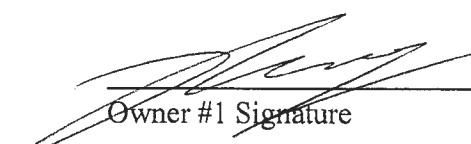
H. This agreement contains the entire agreement and understanding between the County and the Owner. There are no additional terms other than as contained in this agreement. This agreement may not be modified, except in writing signed by each of the parties or by their authorized representatives.


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

 12/19/23  
Owner #1 Signature                      Date  
PHUONG NGUYEN  
Owner #1 Print Name

 12/19/2023  
Owner #2 Signature                      Date  
TIFFANY HOANG  
Owner #2 Print Name

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

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

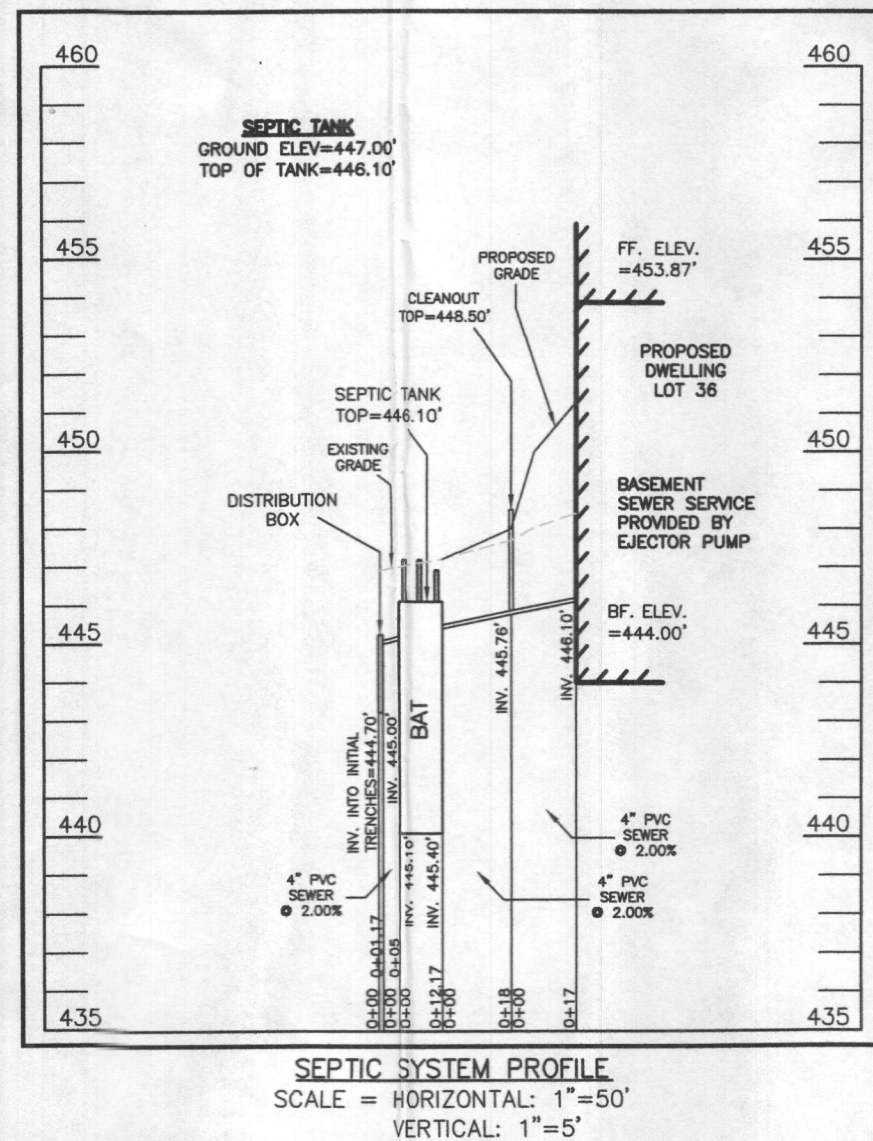
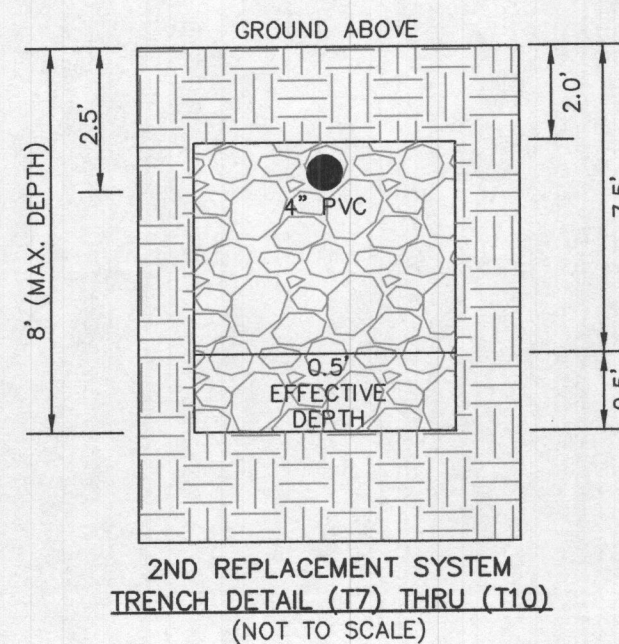
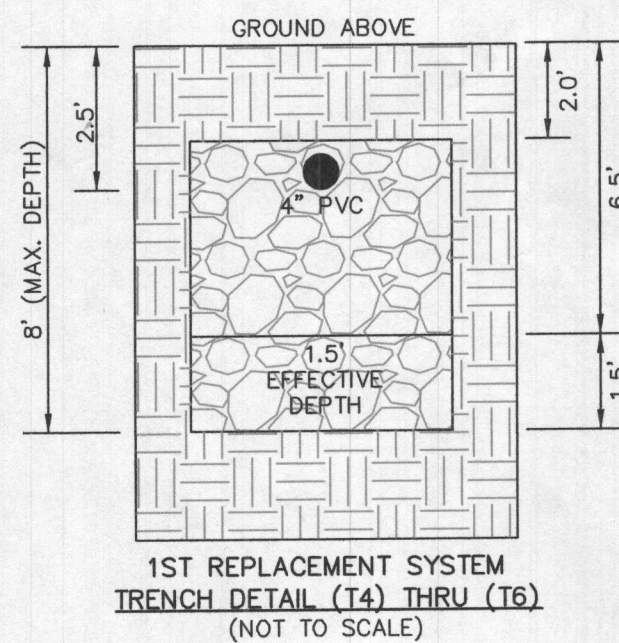
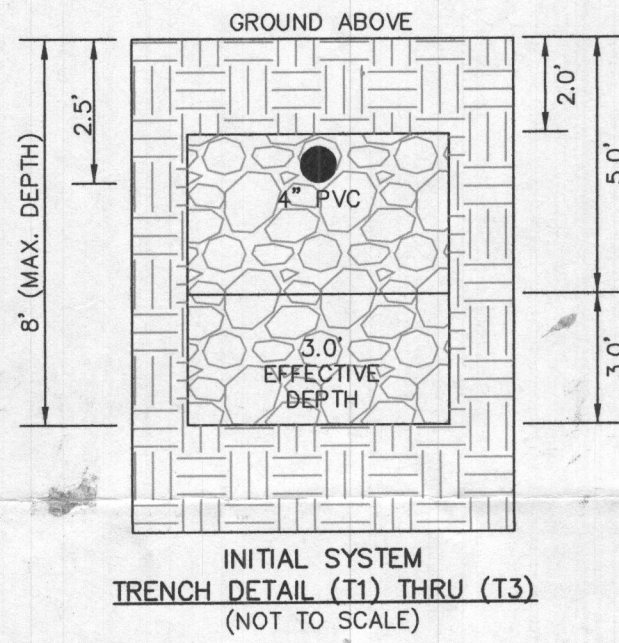
\_\_\_\_\_  
Buyer #1 Print Name

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

- LEGEND:**
- BRL BUILDING RESTRICTION LINE
  - WELL LOCATION
  - T.W. TOP OF WALL
  - G.F. GARAGE FLOOR
  - B.F. BASEMENT FLOOR
  - SCE STONE CONSTRUCTION ENTRANCE
  - DW DRYWELL
  - PASSED PERC LOCATION
  - FAILED PERC LOCATION
  - ▨ SEWAGE DISPOSAL AREA
  - ▧ WELL BOX AREA
  - PROPOSED TREE

**INITIAL TRENCH DATA:**

- BOTTOM MAX. DEPTH (8')**
- TRENCH 1 (T1): 70.00 LF.**  
GROUND ABOVE = 447.00'  
INV. IN = 444.50'  
BOTTOM TRENCH = 439.00'
- TRENCH 2 (T2): 70.00 LF.**  
GROUND ABOVE = 445.60'  
INV. IN = 443.10'  
BOTTOM TRENCH = 437.60'
- TRENCH 3 (T3): 70.00 LF.**  
GROUND ABOVE = 444.40'  
INV. IN = 441.90'  
BOTTOM TRENCH = 436.40'



**SEWAGE DISPOSAL SYSTEM DATA (5 BDRM):**

- PROPOSED INVERT AT FOUNDATION WALL: 446.10'
- EX. GRADE OVER TANK: 447.00'  
PROPOSED GRADE OVER TANK: 447.00'  
INVERT IN: 445.40' INVERT OUT: 445.10'
  - DISTRIBUTION BOX  
EXISTING GRADE OVER TANK: 446.90'  
PROPOSED GRADE OVER TANK: 446.90'  
INVERT IN: 445.00' INVERT OUT: 444.70'
  - INITIAL TRENCH DESIGN (5 BDRM x 150 GPD/BDRM = 750 GPD)  
750 GPD + 0.6 APP. RATE = 1,250 SF  
USE 3" WIDE TRENCH WITH 66" GRAVEL BELOW PIPE  
10' MIN. SPACING BETWEEN TRENCH EDGES  
1,250 SF x 3" WIDTH = 416.67 LF x 0.50 (SIDEWALL REDUCTION) = 208.33 LF MIN.  
**USE 3 70.00' LONG TRENCHES = 210.00 LF**
  - 1ST REPLACEMENT 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 x 3" WIDTH = 312.50 LF x 0.71 (SIDEWALL REDUCTION) = 221.88 LF MIN.  
**USE 3 74.00' LONG TRENCHES = 222.00 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  
10' MIN. SPACING BETWEEN TRENCH EDGES  
625 SF x 3" WIDTH = 208.33 LF x (NO SIDEWALL REDUCTION) = 208.33 LF MIN.  
**USE 4 53.00' LONG TRENCHES = 212.00 LF**

**HOUSE OPTIONS:**

HOUSE TYPE: KALORAMA (CRAFTSMAN)

- TWO CAR SIDE ENTRY GARAGE
- FINISHED LOWER LEVEL
- DAYLIGHT BASEMENT
- LUXURIOUS PRIMARY BATH PACKAGE
- DAYLIGHT WINDOW/Well
- DOUBLE WIDE TAIL AT REAR OF DRIVEWAY
- WET BAR ROUGH-IN - LOWER LEVEL
- ADDL 2 CAR FRONT ENTRY GARAGE
- POWDER ROOM - FINISHED LOWER LEVEL
- STUDY IN LIEU OF LIVING ROOM/FLEX ROOM
- OPTIONAL DROP ZONE
- ALTERNATE KITCHEN ISLAND
- ADDITIONAL LAUNDRY ROOM
- LUXURY OUTDOOR LIVING
- THIRD FLOOR WITH POWDER ROOM

- OPTION No. 012
- OPTION No. 013
- OPTION No. 018
- OPTION No. 055
- OPTION No. 543
- OPTION No. 851
- OPTION No. 048246
- OPTION No. 263019
- OPTION No. 263036
- OPTION No. 263038
- OPTION No. 263081
- OPTION No. 263149
- OPTION No. 263161
- OPTION No. 263165
- OPTION No. 263381

**WELL LOCATION CERTIFICATION:**

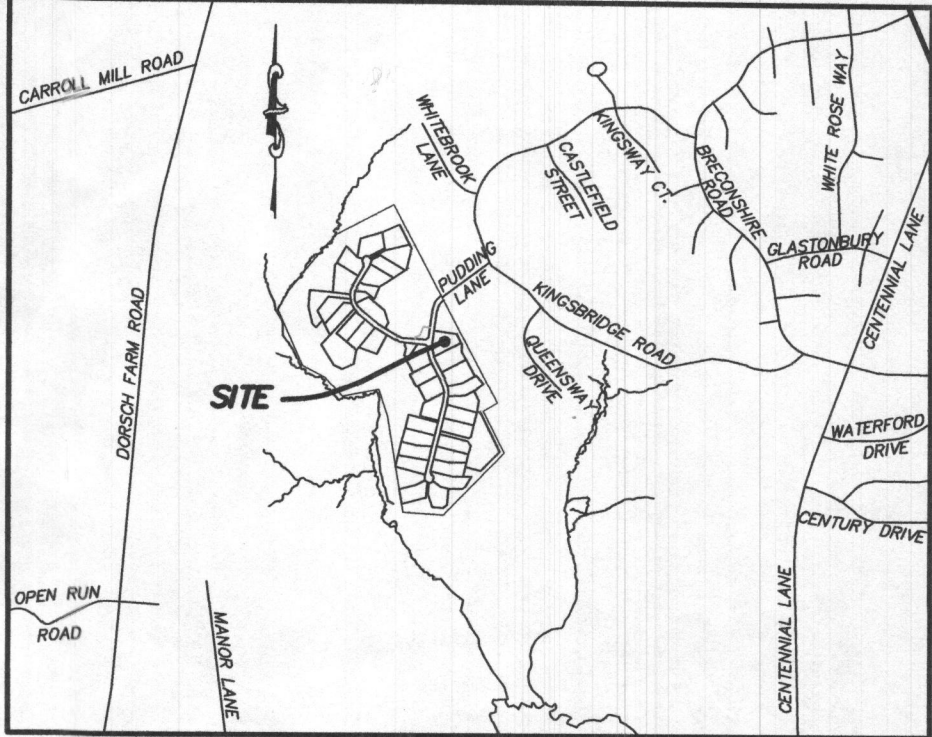
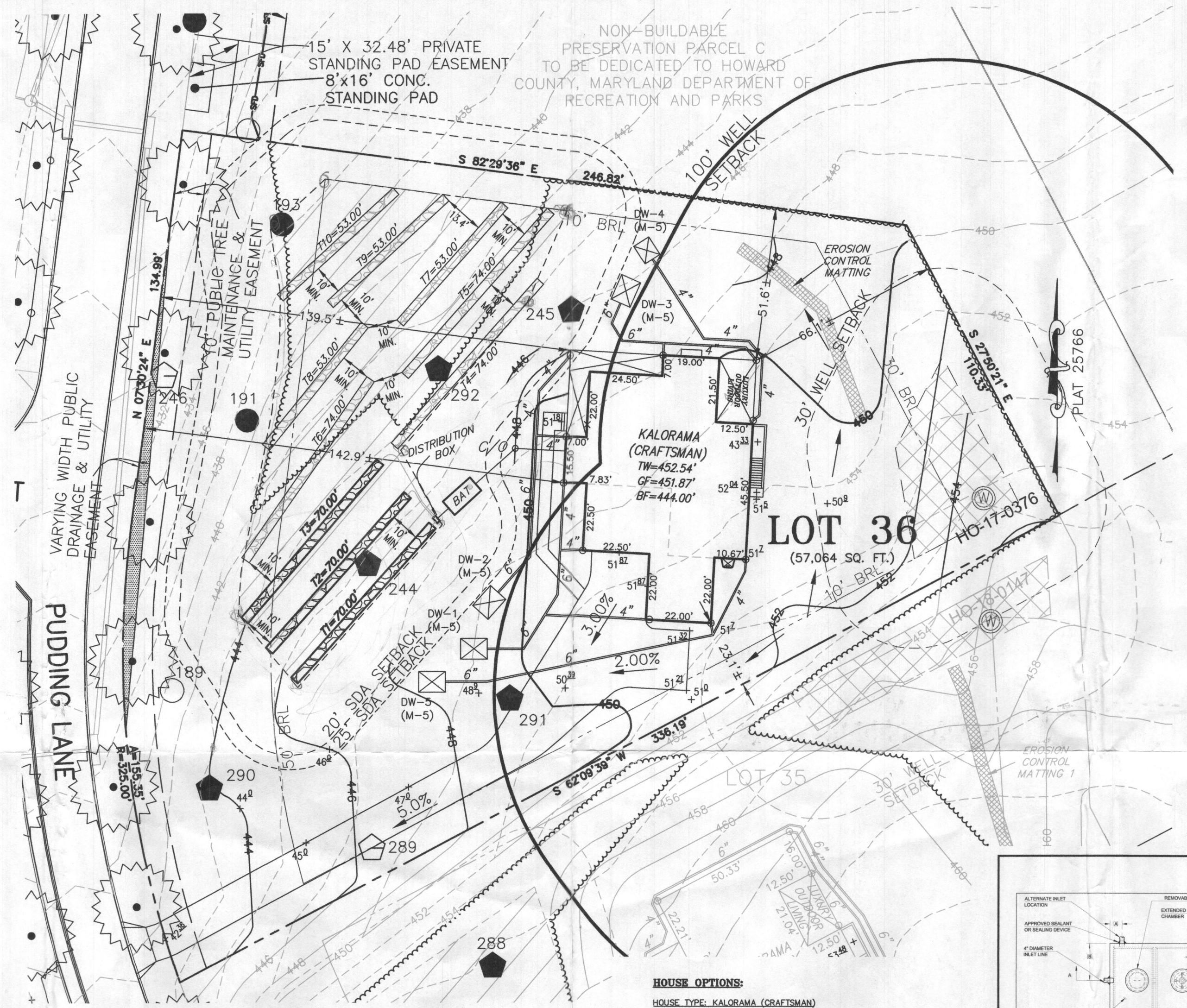
THE EXISTING WELL SHOWN FOR LOT 36 (TAG NO. HO-17-0376) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN HEREON.

SITE PLAN FOR BAT INSTALLATION  
**LOT 36**  
**KINGS FOREST**  
LIBER 20039, FOLIO 212  
PLAT NO. 25766  
ELECTION DISTRICT NO. 2  
HOWARD COUNTY, MARYLAND  
ADDRESS: 10501 REYNOLDS COURT  
ELLCOTT CITY, MARYLAND 21042

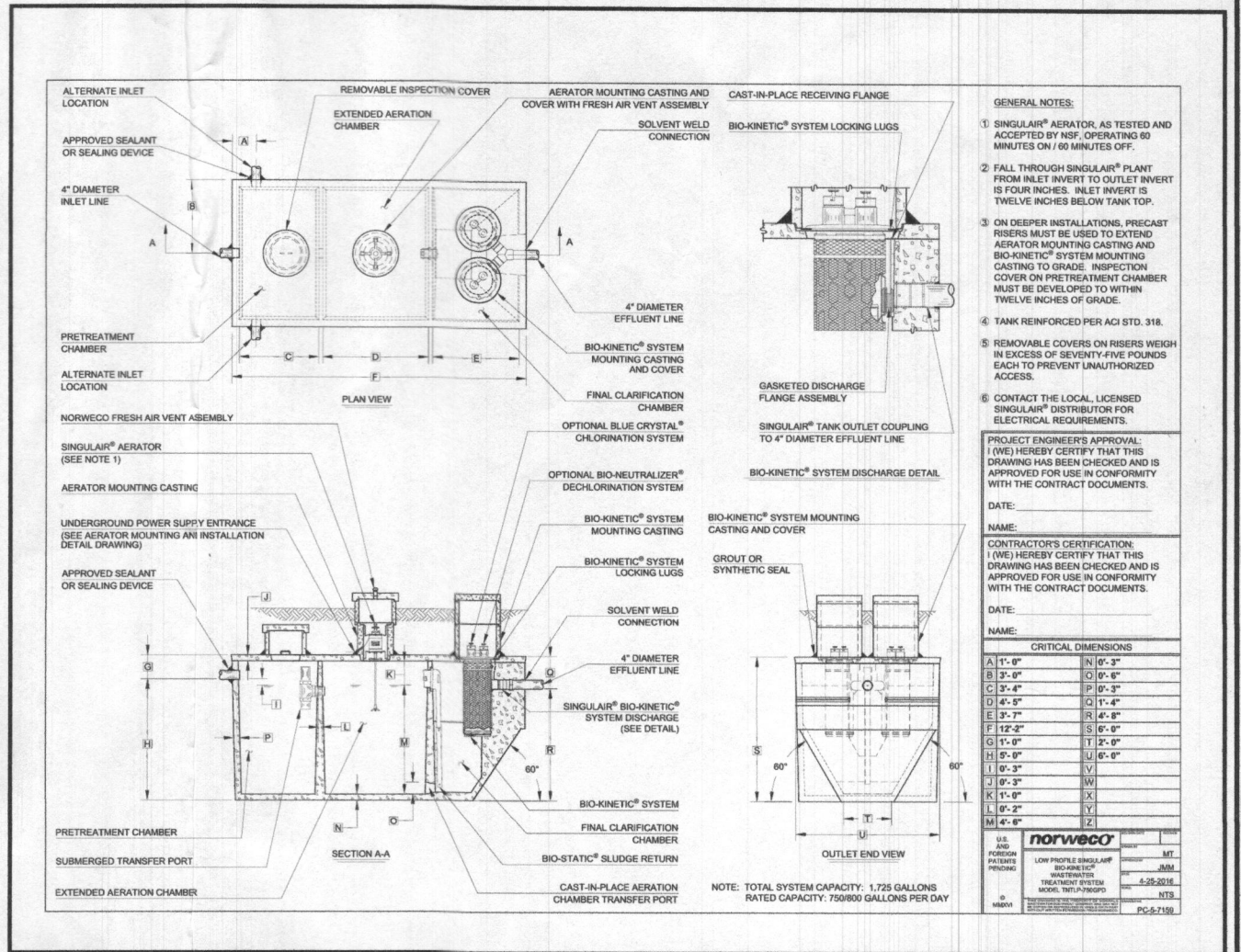
**ESE CONSULTANTS**  
ENGINEERING • PLANNING • SURVEYING • ENVIRONMENTAL

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

DATE: 09/15/2023 SCALE: 1"= 30' FILE: BAT LOT 36  
CHK'D: M.J.B. JOB NO: 3502 DRAWN: R.C.K.



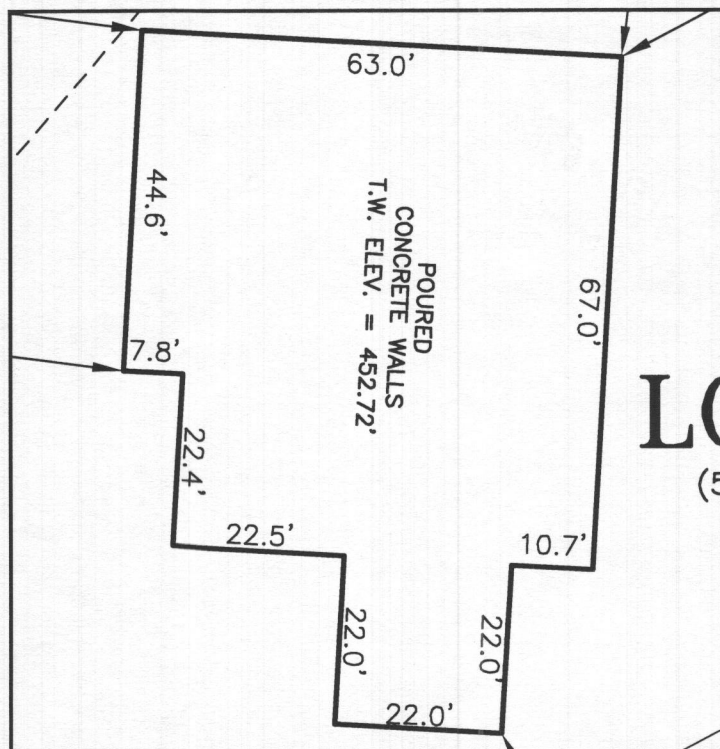
- GENERAL NOTES:**
- THESE AREAS DESIGNATE A PRIVATE SEWAGE AREA OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE AREAS SHALL BECOME NULL 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. RECONSTRUCTION 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.



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 1/8/25.

**LEGEND:**

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



HOUSE ENLARGEMENT  
NOT TO SCALE

WELL NUMBER: HO-17-0376  
 ADDRESS: 10501 PUDDING LANE  
 ELLICOTT CITY, MD 21042  
 PERMIT No.: B23003465

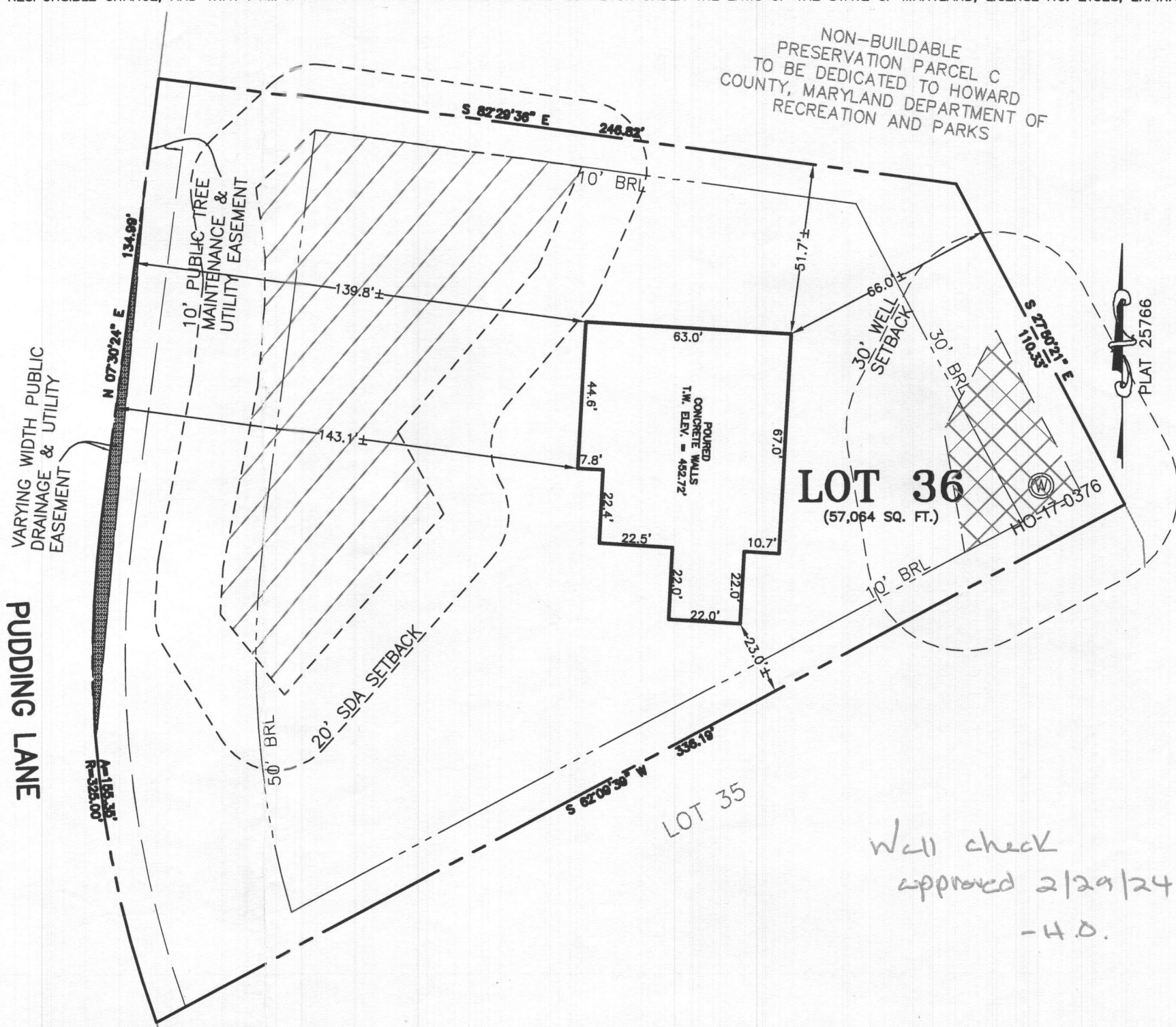
BUILDING SETBACKS (B.R.L.'s) SHOWN HEREON PER SITE DEVELOPEMENT PLAN  
 SETBACK DISTANCES SHOWN HEREON AS "±" HAVE AN ACCURACY OF ±0.1' FOOT.

**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 MD. LIC NO. 21328 DATE 02/07/24



*Wall check  
 approved 2/29/24  
 -H.O.*

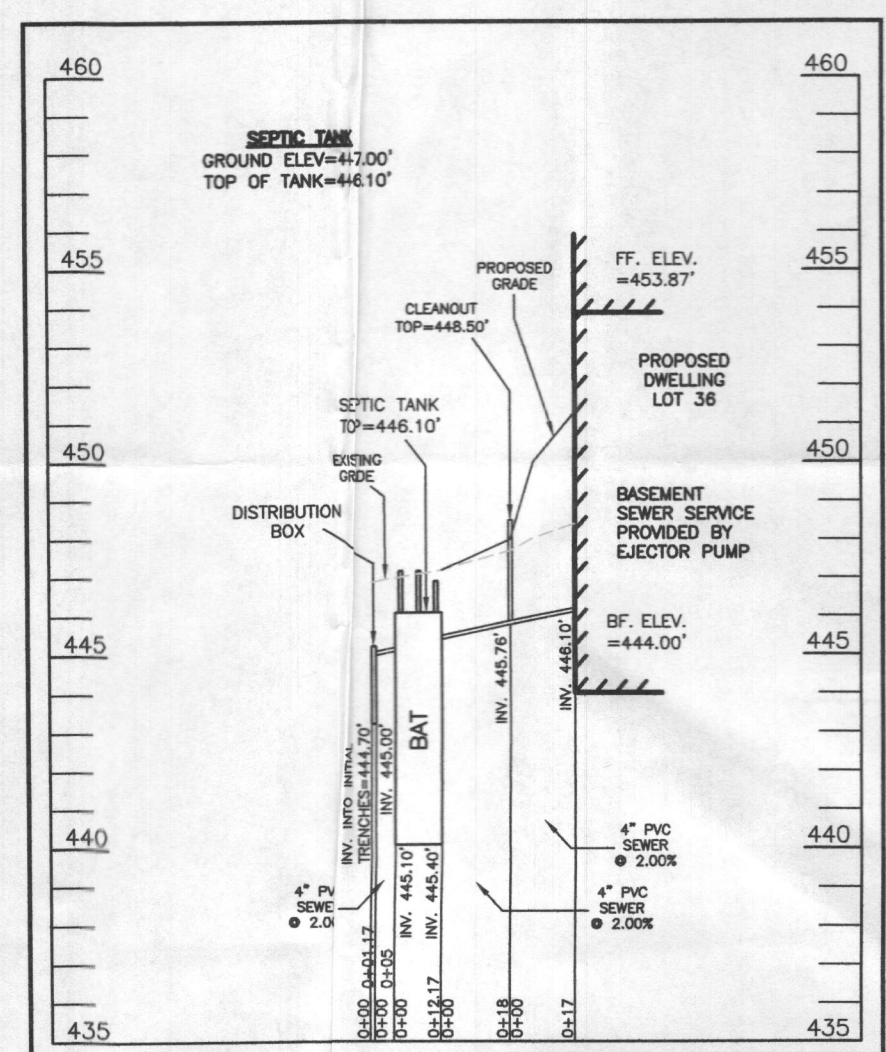
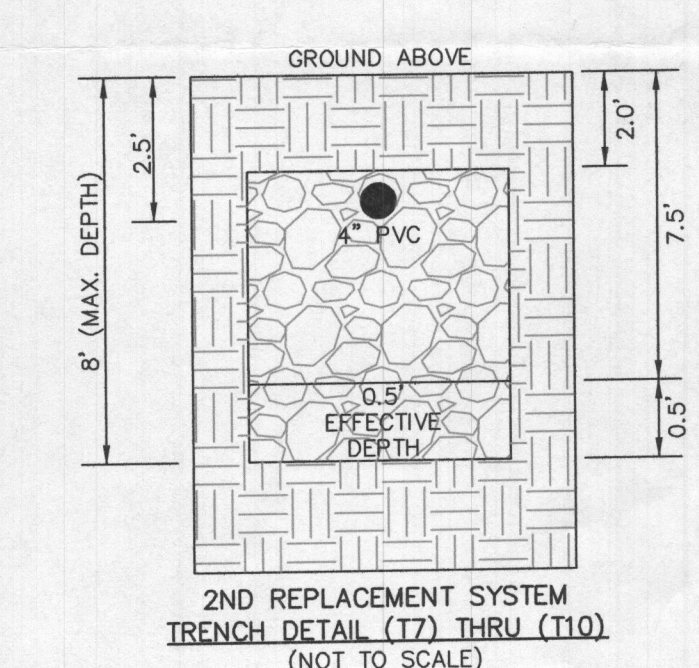
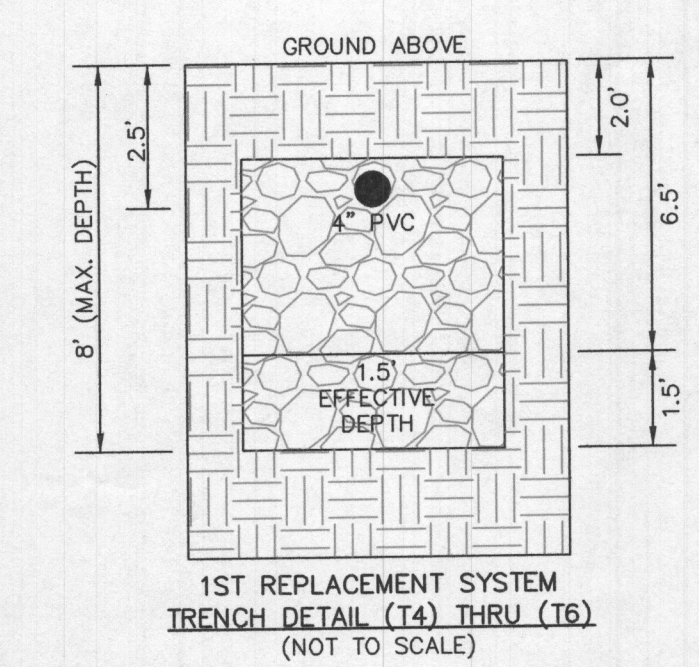
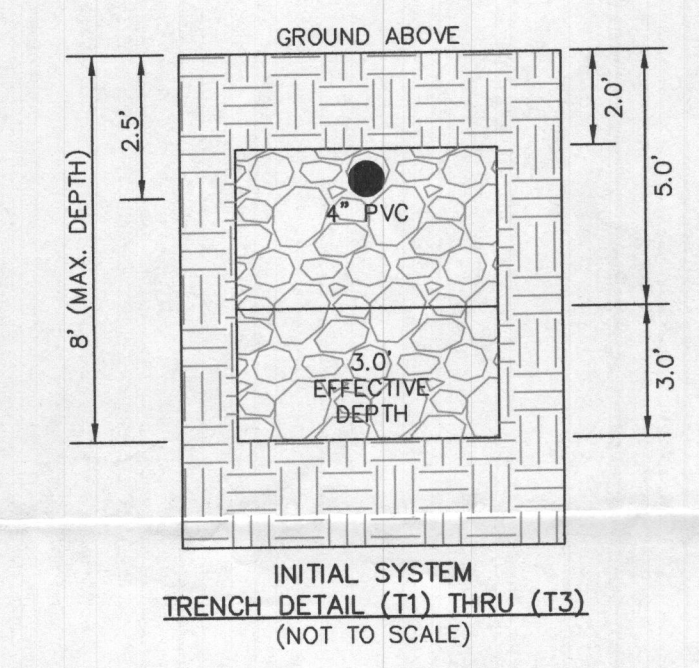
WALLCHECK  
 LOT 36  
**KINGS FOREST**  
 LIBER 20039, FOLIO 212  
 PLAT NO. 25766  
 2ND ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

**ESE CONSULTANTS**  
 ENGINEERING • PLANNING • SURVEYING • ENVIRONMENTAL  
 ESE Consultants, Inc.  
 6731 Columbia Gateway Drive • Suite 120 • Columbia, MD 21046  
 T: 410-872-9105

DATE: 02/07/2024 SCALE: 1" = 40' FILE: WC LOT 36  
 CHK'D: M.J.B. JOB NO: 3502 DRAWN: V.X.P.

- LEGEND:**
- BRL BUILDING RESTRICTION LINE
  - WELL LOCATION
  - T.W. TOP OF WALL
  - G.F. GARAGE FLOOR
  - B.F. BASEMENT FLOOR
  - SCE STONE CONSTRUCTION ENTRANCE
  - DW DRYWELL
  - PERC PASSED PERC LOCATION
  - FAILED PERC FAILED PERC LOCATION
  - SEWAGE DISPOSAL AREA
  - WELL BOX AREA
  - PROPOSED TREE

- INITIAL TRENCH DATA:**
- BOTTOM MAX. DEPTH (8')**
- TRENCH 1 (T1): 70.00 LF.**  
GROUND ABOVE = 447.00'  
INV. IN = 444.50'  
BOTTOM TRENCH = 439.00'
- TRENCH 2 (T2): 70.00 LF.**  
GROUND ABOVE = 445.60'  
INV. IN = 443.10'  
BOTTOM TRENCH = 437.60'
- TRENCH 3 (T3): 70.00 LF.**  
GROUND ABOVE = 444.40'  
INV. IN = 441.90'  
BOTTOM TRENCH = 436.40'



**SEWAGE DISPOSAL SYSTEM DATA (5 BDRM):**

- PROPOSED INVERT AT FOUNDATION WALL: 446.10'
1. EX. GRADE OVER TANK: 447.00'  
PROPOSED GRADE OVER TANK: 447.00'  
INVERT IN: 445.40' INVERT OUT: 445.10'
2. DISTRIBUTION BOX  
EXISTING GRADE OVER TANK: 446.90'  
PROPOSED GRADE OVER TANK: 446.90'  
INVERT IN: 445.00' INVERT OUT: 444.70'
3. INITIAL TRENCH DESIGN (5 BDRM x 150 GPD/BDRM = 750 GPD)  
750 GPD ÷ 0.6 APP. RATE = 1,250 SF  
USE 3' WIDE TRENCH WITH 66" GRAVEL BELOW PIPE  
10' MIN. SPACING BETWEEN TRENCH EDGES  
1,250 SF ÷ 3' WIDTH = 416.67 LF x 0.50 (SIDEWALL REDUCTION) = 208.33 LF MIN.  
**USE 3 70.00' LONG TRENCHES = 210.00 LF**
4. 1ST REPLACEMENT TRENCH DESIGN (5 BDRM x 154 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 = 312.50 LF x 0.71 (SIDEWALL REDUCTION) = 221.88 LF MIN.  
**USE 3 74.00' LONG TRENCHES = 222.00 LF**
5. 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  
10' MIN. SPACING BETWEEN TRENCH EDGES  
625 SF ÷ 3' WIDTH = 208.33 LF x (NO SIDEWALL REDUCTION) = 208.33 LF MIN.  
**USE 4 53.00' LONG TRENCHES = 212.00 LF**

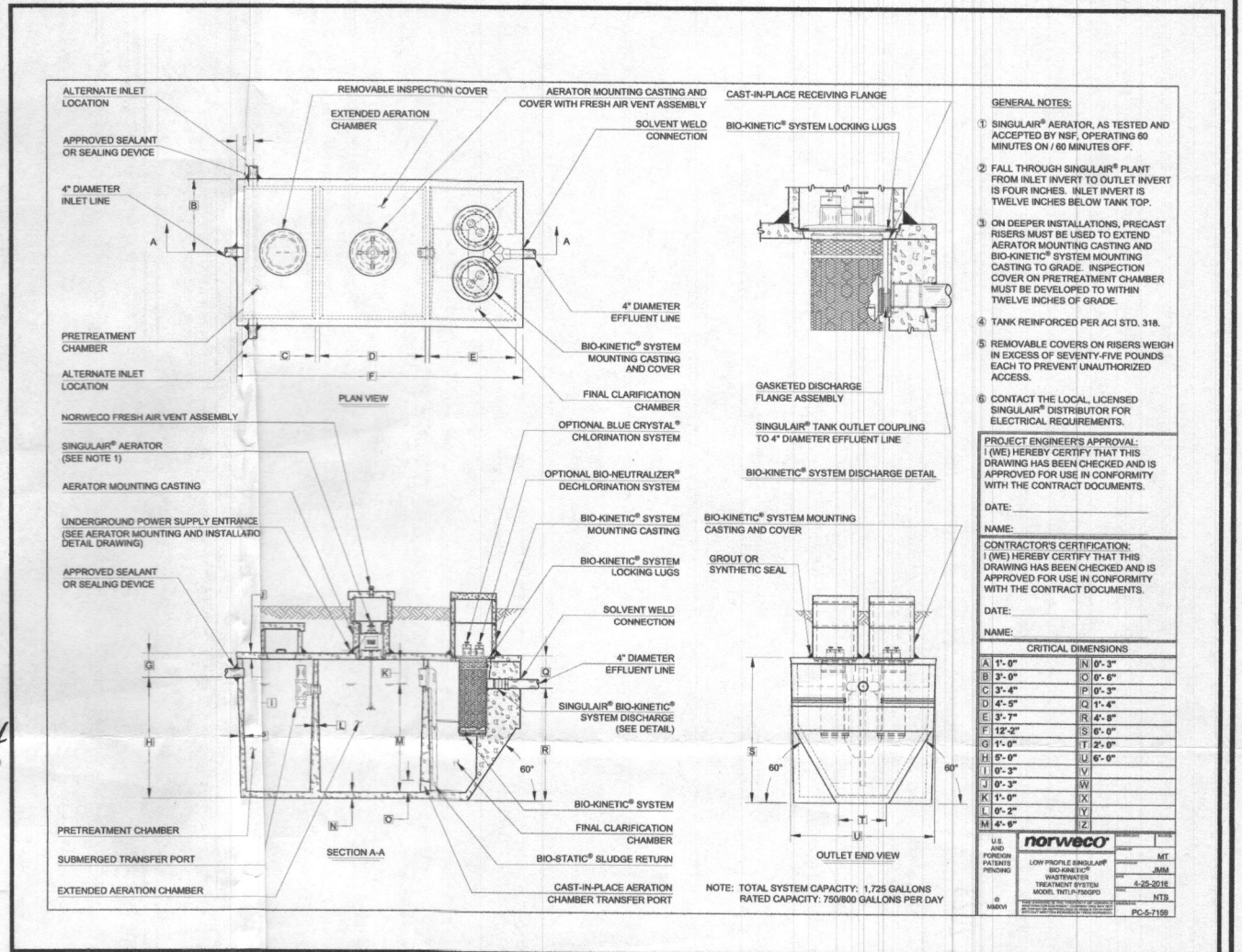
**HOUSE OPTIONS:**

- HOUSE TYPE: KALORAMA (CRAFTSMAN)
- TWO CAR SIDE ENTRY GARAGE
  - FINISHED LOWER LEVEL
  - DAYLIGHT BASEMENT
  - LUXURIOUS PRIMARY BATH PACKAGE
  - DAYLIGHT WINDOW/Well
  - DOUBLE WIDE TAIL AT REAR OF DRIVEWAY
  - WET BAR ROUGH-IN - LOWER LEVEL
  - ADD: 2 CAR FRONT ENTRY GARAGE
  - POWER ROOM - FINISHED LOWER LEVEL
  - STUDY IN LIEU OF LIVING ROOM/FLEX ROOM
  - OPTIONAL DROP ZONE
  - ALTERNATE KITCHEN ISLAND
  - ADDITIONAL LAUNDRY ROOM
  - LUXURY OUTDOOR LIVING
  - THIRD FLOOR WITH POWER ROOM

- OPTION No. 012
- OPTION No. 013
- OPTION No. 018
- OPTION No. 055
- OPTION No. 543
- OPTION No. 851
- OPTION No. 048246
- OPTION No. 263019
- OPTION No. 263036
- OPTION No. 263038
- OPTION No. 263081
- OPTION No. 263149
- OPTION No. 263181
- OPTION No. 263185
- OPTION No. 263381

Approved Septic System Plan  
Howard County Health Department  
*Donna Bernard* 2-13-24  
By *23004187* Date  
**WELL LOCATION CERTIFICATION:**

THE EXISTING WELL SHOWN FOR LOT 36 (TAG NO. HO-17-0376) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN HEREON.

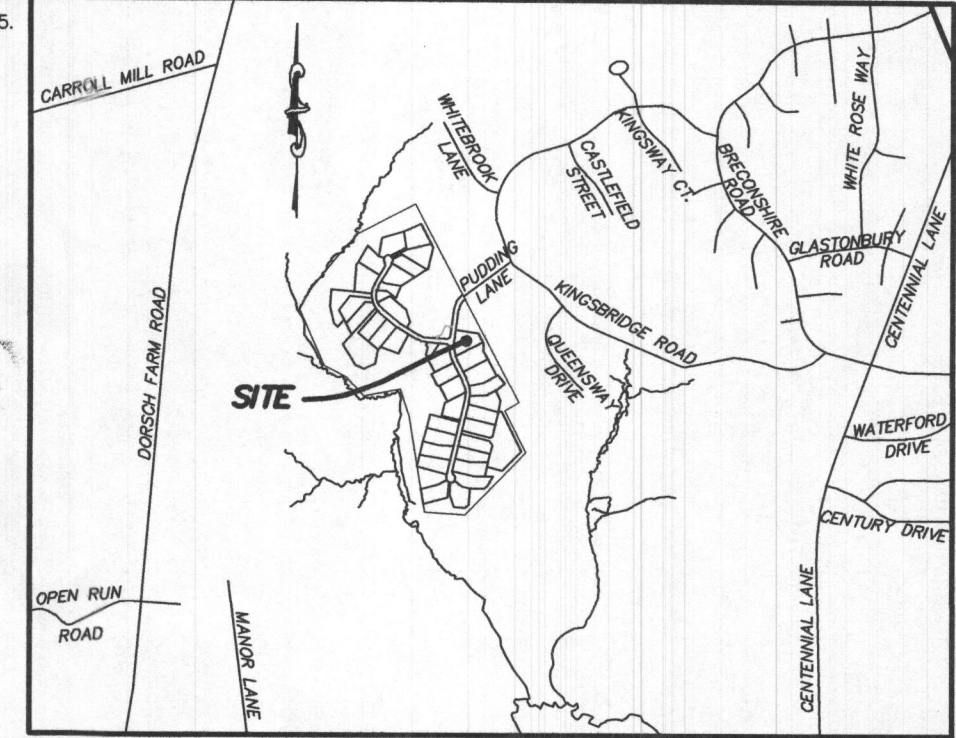


SITE PLAN FOR BAT INSTALLATION  
LOT 36  
**KINGS FOREST**  
LIBER 20039, FOLIO 212  
PLAT NO. 25766  
ELECTION DISTRICT No. 2  
HOWARD COUNTY, MARYLAND  
ADDRESS: 10501 REYNOLDS COURT  
ELLCOTT CITY, MARYLAND 21042

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

DATE: 09/15/2023 SCALE: 1"=30' FILE: BAT LOT 36  
CHK'D: M.J.B. JOB NO: 3502 DRAWN: R.C.K.



- GENERAL NOTES:**
1. 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.
  2. 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.
  3. ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
  4. BUILDING SETBACKS (B.R.L.'s) SHOWN HEREON PER SITE DEVELOPMENT PLAN SETBACK DISTANCES SHOWN HEREON AS "±" HAVE AN ACCURACY OF ±0.1' FOOT.
  5. 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.
  6. THE MAXIMUM EARTH COVER OVER THE TANK IS THREE (3) FEET. GREATER EARTH COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.
  7. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP, WIDTH, AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
  8. THE EXISTING TOPOGRAPHY SHOWN HEREON IS FROM HOWARD COUNTY GIS, 2' CONTOUR INTERVAL AND FIELD VERIFIED BY BENCHMARK ENGINEERING, INC., IN FEBRUARY 2014.