



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

Facebook: www.facebook.com/hocohealth

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

RECEIPT DATE: 4-27-22 **ONSITE SEWAGE DISPOSAL SYSTEM**

P 5H1517

APPROVAL DATE: 7/22/22 **PERMIT: CONSTRUCTION**

A

PROPERTY ADDRESS: 10508 Pudding Lane

SUBDIVISION: Kings Forest

LOT: 17

TAX ID: _____

CONTRACTOR: Chavis Enterprises & Septic Services

EMAIL: ryne@chavisenterprises.com

CONTRACTOR ADDRESS: 23 East Ellendale, Bel Air, MD 21014

PHONE: 410-838-3007

CONTRACTOR CERTIFIED FOR BAT INSTALLATION:

☒ MDE

☒ MANUFACTURER: Norweco

PROPERTY OWNER: Toll Brothers

EMAIL: Sriley1@tollbrothers.com

OWNER ADDRESS: 7164 Columbia Gateway Drive, Suite 230

PHONE: 410-872-9105

BAT UNIT MODEL: Norweco TMTLP600 PUMP SIZE: _____ PUMP TANK CAPACITY: 2000

OPERATION & MAINTENANCE AGREEMENT

DATE SIGNED: 6/24/22

DATE RECORDED: 7/13/22

DISTRIBUTION SYSTEM:

☒ GRAVITY

☐ PRESSURE DOSED

BEDROOMS: 6

APPLICATION RATE: 1.2

TRENCHES:	LINEAR FEET REQUIRED:	<u>125</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>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:				

ISSUED BY: Dana Bernard

ISSUE DATE: 9/29/21

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 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 _____

NOTE: AN INDIVIDUAL CERTIFIED BY MDE AND THE MANUFACTURER FOR BAT INSTALLATION MUST BE PRESENT AT ALL TIMES DURING BAT INSTALLATION.

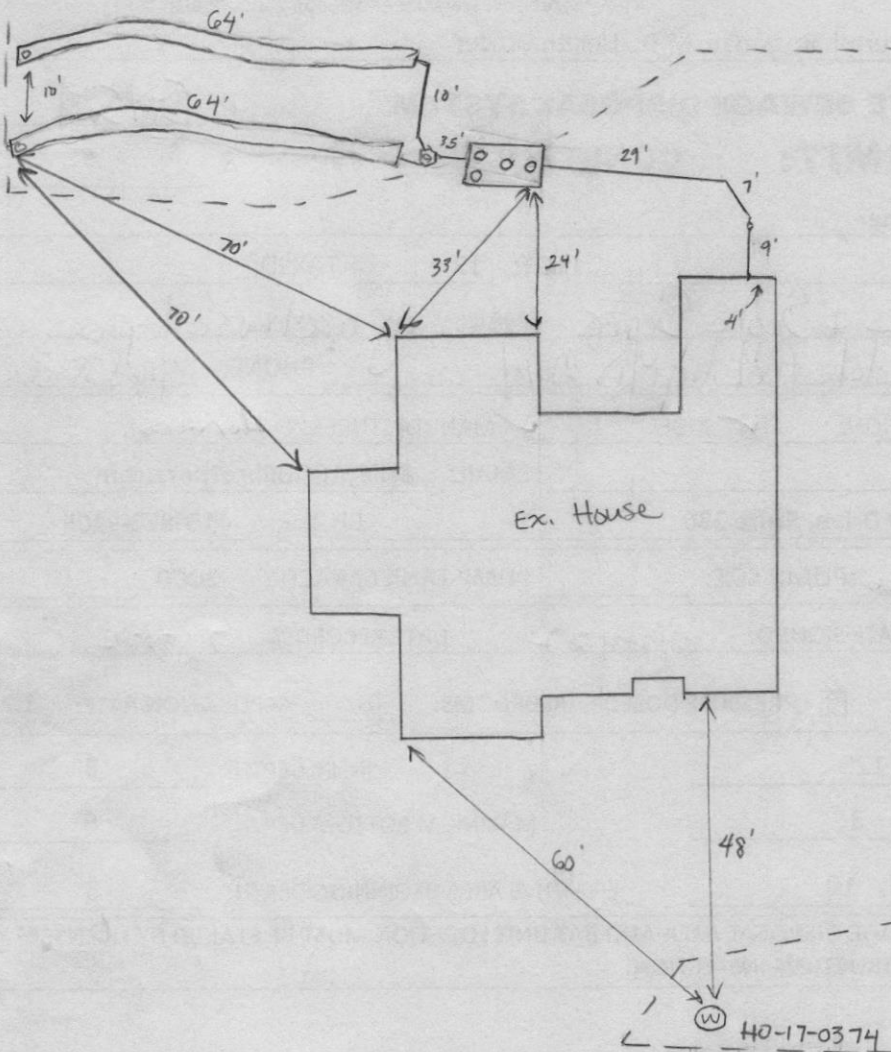
NOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATE TO ENSURE THAT SOLIDS ARE NOT DISCHARGED TO THE DISPOSAL AREA

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.

10508 Pudding Ln
NOT TO SCALE (1" = 30')



TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3'	3'	6'

NUMBER OF TRENCHES 2

TOTAL LENGTH 128'

ABSORPTION AREA 384 sq ft + side wall

DISTRIBUTION BOX LEVEL Speedy

DISTRIBUTION BOX BAFFLE Current

DISTRIBUTION BOX PORT PVC

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL yes

MANUFACTURER Backriver/Norweco

CAPACITY 750 GAL

SEAM LOC top

TANK LID DEPTH 2'

BAFFLES -

BAFFLE FILTER -

MANHOLE LOC inlet, middle, outlet

6" PORT LOC -

WATERTIGHT TEST -

SLOTTED -

DATE ON LID 12-1-21

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 -

ROAD NAME

Pudding Ln

PRE-CONSTRUCTION:

5/24/22 2x63' trenches staked out on contour according to plan. (S)

INSTALLATION: 5/25/22 3HC, SL installed. Norweco set. (S) 5/26/22 2x64' trenches installed. D-box leveled. (S)

FINAL INSPECTOR

Susan Thomas

DATE OF APPROVAL

7/20/22



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

NORWECO CERTIFICATION

PROPERTY OWNER: TOLL MID-ATLANTIC	INSTALLATION COMPANY: CHAVIS SEPTIC
ADDRESS: 10508 PUDDING LANE	CERTIFIED INSTALLER: JOSH CHAVIS
CITY, ZIPCODE & COUNTY: ELLICOTT CITY, 21042, HOWARD	PERMIT#
SIZE OF SYSTEM INSTALLED:	DATE INSTALLED: 05-25-22
750 GPD CONCRETE	START-UP DATE: 07-12-22
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: 34"	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 2ND 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 5TH HOUSE OF THE LEFT.

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

Matthew Geckle

July 12,2022

Signature of BRP Representative

Vice-President

Date

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

LR - Agreement	40.00
Recording Fee	20.00
Name: Jzang	
Ref: 22	
LR - Agreement	40.00
Surcharge	20.00
SubTotal:	100.00
Total:	200.00
Due 12-49	
CC# 2020-04	
CC# 2020-04	
Twitter: @HoCoHealth	



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

LR - Agreement
 Recording Fee
 Name: Jzang
 Ref: 22
 LR - Agreement
 Surcharge
 Total: 40.00
 Total: 20.00
 1/13/2024 12:49
 0641105/003503
 Edward C. Elliott
 City/CDO/04
 Minister
 Title to the Property shall
 of the agreement as long as
 h Twitter: @HoCoHealth

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

 06/24/2022
Owner #1 Signature Date


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

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

LR - Agreement Recording Fee		
1x	20.00	20.00

Name: mathur
Ref: 20

LR - Agreement Surcharge		
1x	40.00	40.00
LR - Agreement Recording Fee		
1x	20.00	20.00

Name: ayele
Ref: 21

LR - Agreement Surcharge		
1x	40.00	40.00
LR - Agreement Recording Fee		
1x	20.00	20.00

Name: jzang
Ref: 22

LR - Agreement Surcharge		
1x	40.00	40.00
LR - Agreement Recording Fee		
1x	20.00	20.00

Name: winkles
Ref: 23

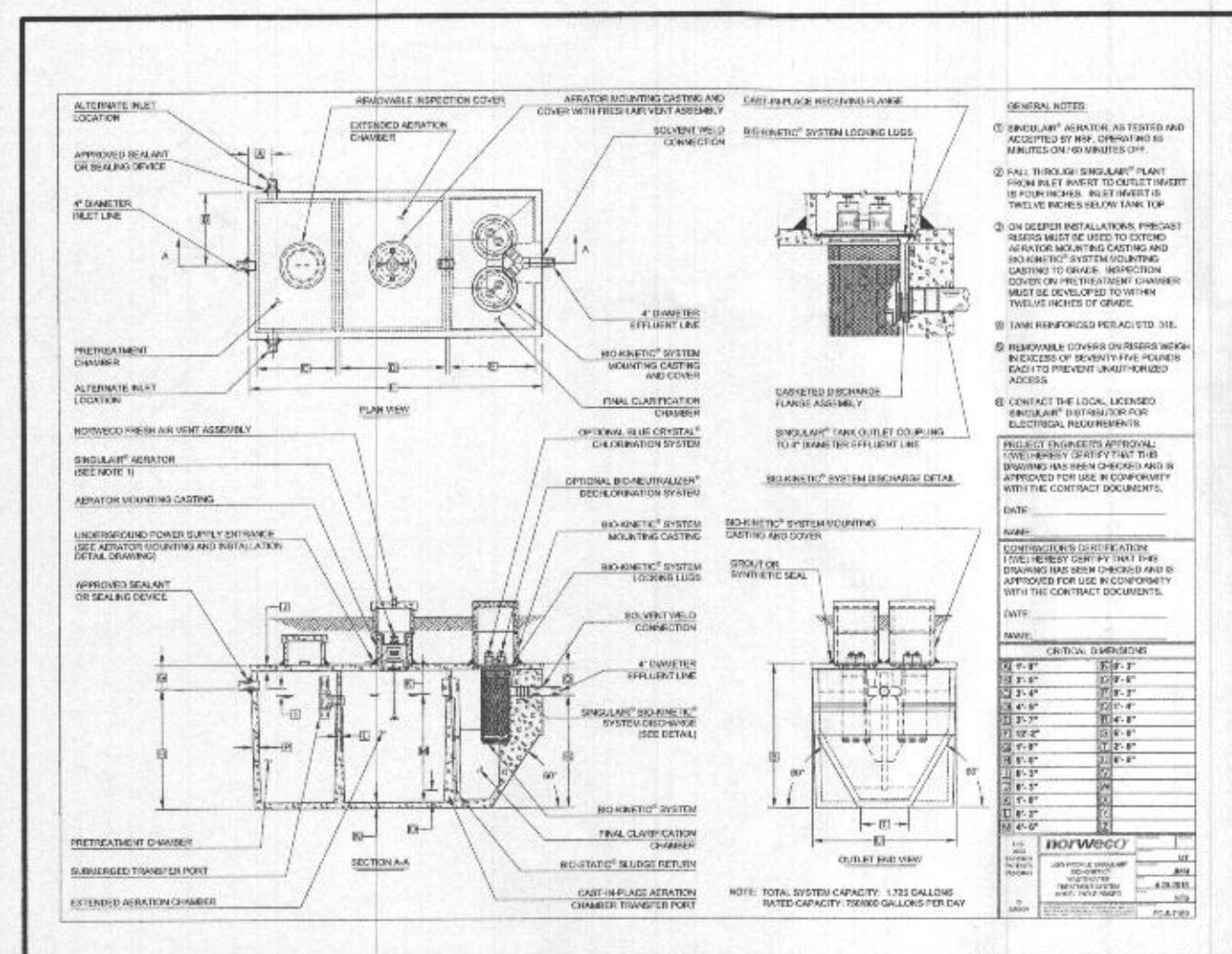
LR - Agreement Surcharge		
1x	40.00	40.00

SubTotal:	240.00
Total:	240.00

CRD-Credit	240.00
Credit Card Confirmation : 096178	

07/13/2022 12:46 CC13-SB
#16411057/496/4
Thank you for visiting us today~

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 1/8/23.



LEGEND:

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

INITIAL TRENCH DATA:

BOTTOM MAX. DEPTH (6.0')

TRENCH 1 (T1): 62.50' L.F.

GROUND ABOVE = 446.00'

INV. IN = 443.00'

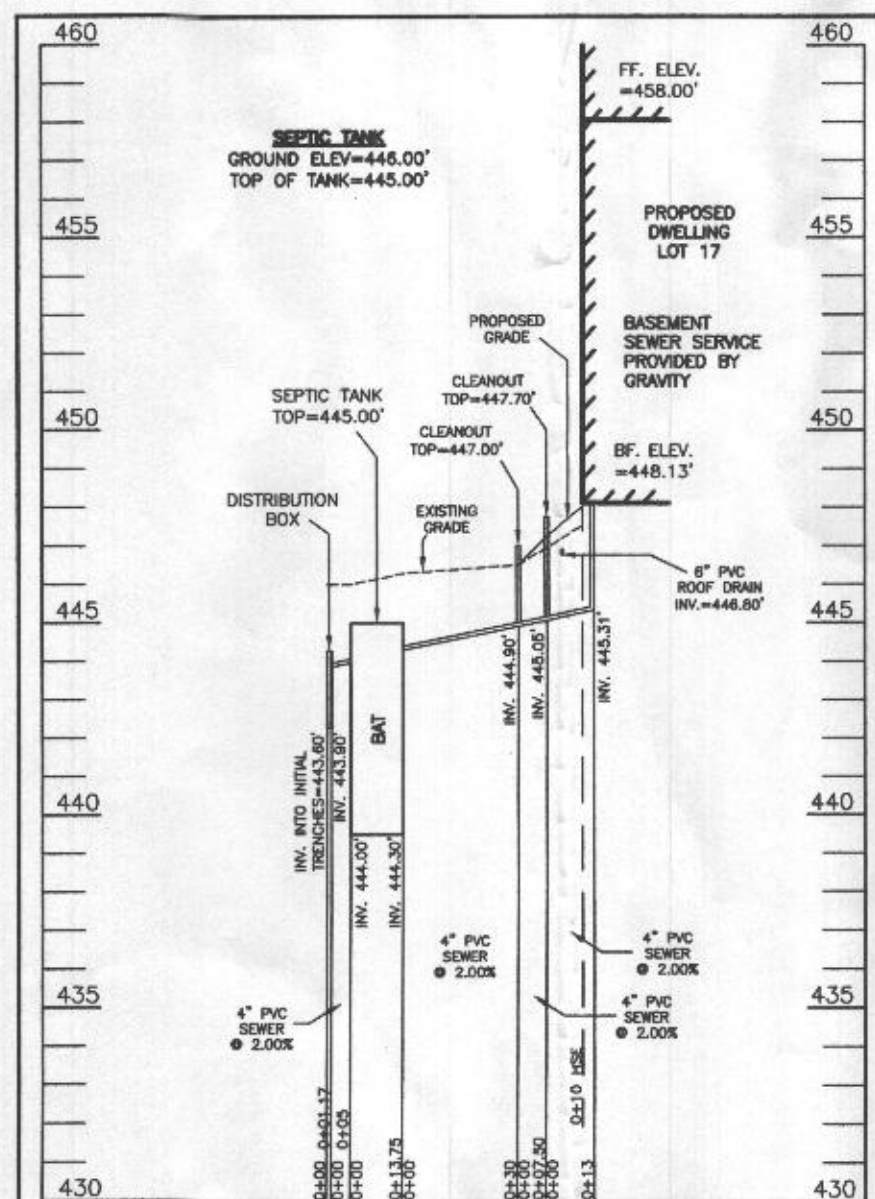
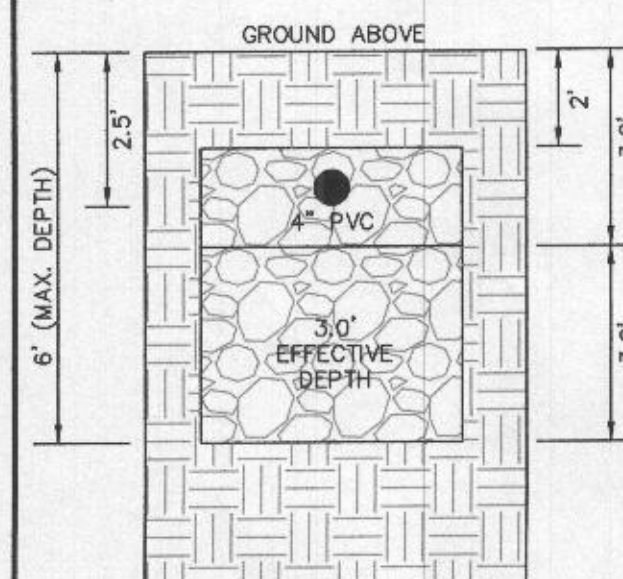
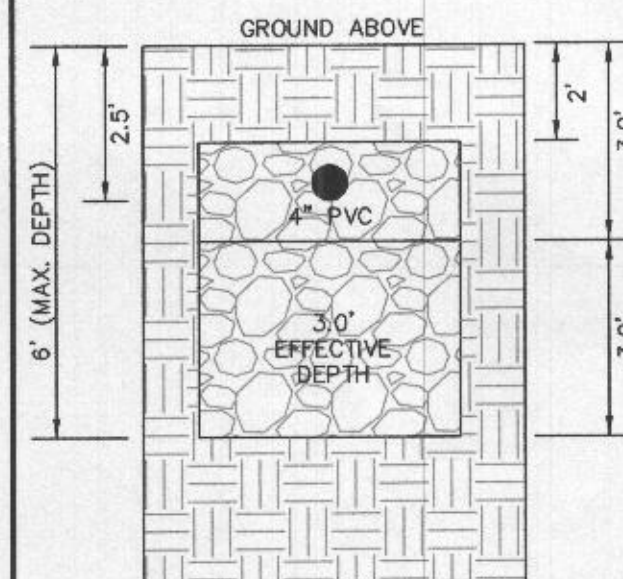
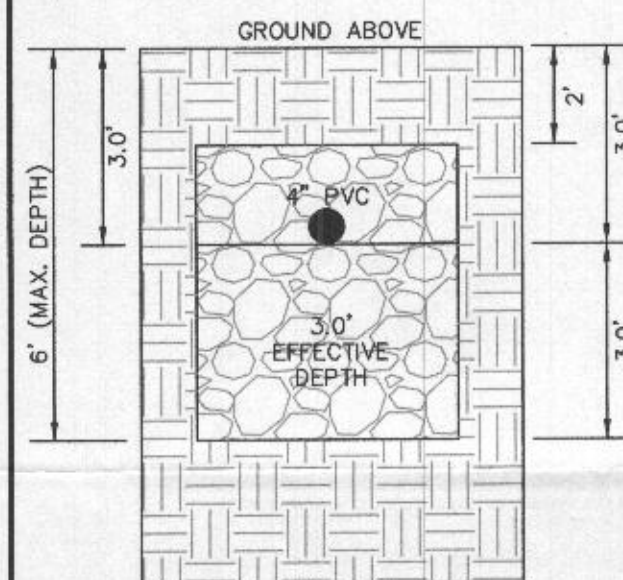
BOTTOM TRENCH = 440.00'

TRENCH 2 (T2): 62.50' L.F.

GROUND ABOVE = 444.50'

INV. IN = 441.50'

BOTTOM TRENCH = 438.50'



SEWAGE DISPOSAL SYSTEM DATA (6 BDRM):

PROPOSED INVERT AT FOUNDATION WALL: 445.31'

1. EX. GRADE OVER TANK: 446.00'

PROPOSED GRADE OVER TANK: 446.00'

INVERT IN: 444.30' INVERT OUT: 444.00'

2. DISTRIBUTION BOX

EXISTING GRADE OVER TANK: 446.00'

PROPOSED GRADE OVER TANK: 446.00'

INVERT IN: 443.90' INVERT OUT: 443.60'

3. INITIAL TRENCH DESIGN

(6 BDRM x 150 GPD/BDRM = 900 GPD)

900 GPD ÷ 1.2 APP. RATE = 750 SF

USE 3' WIDE TRENCH WITH 36" GRAVEL BELOW PIPE

10' MIN. SPACING BETWEEN TRENCH EDGES

750 SF ÷ 3' WIDTH = 250 LF x 0.50 (SIDEWALL REDUCTION) = 125.00 LF MIN.

USE 2 62.50' LONG TRENCHES = 125.00 LF

4. 1ST REPLACEMENT TRENCH DESIGN

(6 BDRM x 150 GPD/BDRM = 900 GPD)

900 GPD ÷ 1.2 APP. RATE = 750 SF

USE 3' WIDE TRENCH WITH 36" GRAVEL BELOW PIPE

10' MIN. SPACING BETWEEN TRENCH EDGES

750 SF ÷ 3' WIDTH = 250 LF x 0.50 (SIDEWALL REDUCTION) = 125.00 LF MIN.

USE 2 62.50' LONG TRENCHES = 125.00 LF

5. 2ND REPLACEMENT TRENCH DESIGN

(6 BDRM x 150 GPD/BDRM = 900 GPD)

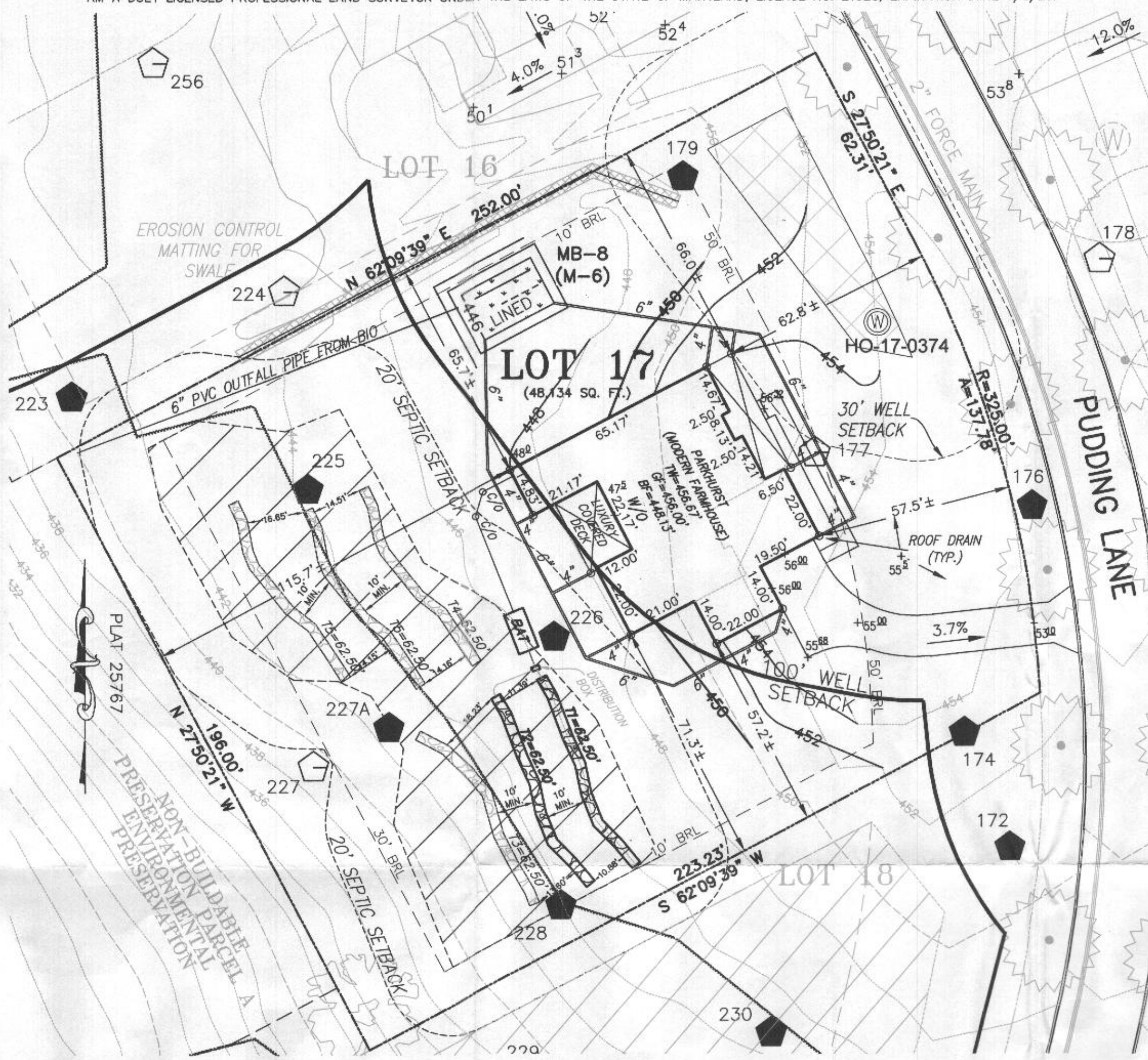
900 GPD ÷ 1.2 APP. RATE = 750 SF

USE 3' WIDE TRENCH WITH 36" GRAVEL BELOW PIPE

10' MIN. SPACING BETWEEN TRENCH EDGES

750 SF ÷ 3' WIDTH = 250 LF x 0.50 (SIDEWALL REDUCTION) = 125.00 LF MIN.

USE 2 62.50' LONG TRENCHES = 125.00 LF



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 SEPTIC RESERVE AREAS WITHIN 100' OF THE PROPERTY AND THOSE WELLS WITHIN 200' DOWN GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS OR SEPTIC RESERVE 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.
- LOTS SHOWN HEREON ARE PER THE F-19-014 PLAN, APPROVED ON MARCH 5, 2020. RECORD PLATS ARE NOT RECORDED AT THIS TIME BUT ARE IN PROCESS THEREOF.

HOUSE OPTIONS:

HOUSE TYPE: PARKHURST (MODERN FARMHOUSE)

TWO CAR SIDE ENTRY GARAGE ILO STANDARD
FINISHED LOWER LEVEL
WALK-OUT BASEMENT
ADDITIONAL BATH - FINISHED BASEMENT
WET BAR - FINISHED BASEMENT
MEDIA ROOM - FINISHED BASEMENT
MULTI-GENERATIONAL SUITE ADDITION
ADDITIONAL ONE CAR FRONT ENTRY
LUXURY WALK-OUT COVERED DECK
ADDITIONAL BEDROOM - FINISHED BASEMENT

OPTION No. 012
OPTION No. 013
OPTION No. 017
OPTION No. 383
OPTION No. 561
OPTION No. 562
OPTION No. 263073
OPTION No. 263102
OPTION No. 263169
OPTION No. 263216

Approved Septic System Plan
Howard County Health Department
Dana Beard 9-29-21
Signature B 5100 34 36

WELL LOCATION CERTIFICATION:

THE EXISTING WELL SHOWN FOR FUTURE LOT 17 (TAG NO. HO-17-0374) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN HEREON.

SITE PLAN FOR BAT INSTALLATION
LOT 17
KINGS FOREST
LIBER 11372, FOLIO 431
PLAT NO. 25767
ELECTION DISTRICT NO. 2
HOWARD COUNTY, MARYLAND
ADDRESS: 10508 PUDDING LANE
ELLICOTT CITY, MARYLAND 21042

ESE CONSULTANTS
ENGINEERING • PLANNING • SURVEYING • ENVIRONMENTAL

ESE Consultants, Inc.
7164 Columbia Gateway Drive • Suite 230 • Columbia, MD 21046
T: 410-872-9105

DATE: 08/20/2021
CHK'D: M.J.B.

SCALE: 1" = 30'
JOB NO: 3502

FILE: OSDS LOT 17
DRAWN: T.S./R.C.K.



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.

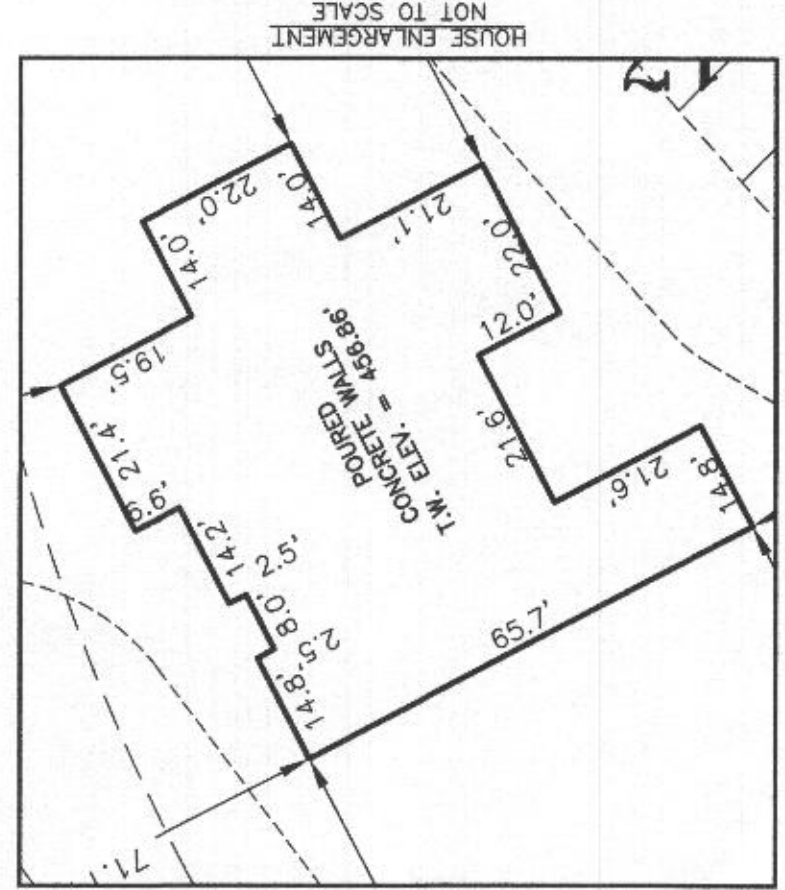
SIGNATURE: MICHAEL JOE ROYCE
MD. LIC NO. 21328
DATE 02/18/22

WALLCHECK
LOT 17
KINGS FOREST
LIBER 11372, FOLIO 431
PLAT NO. 25767
ELECTION DISTRICT NO. 2
HOWARD COUNTY, MARYLAND

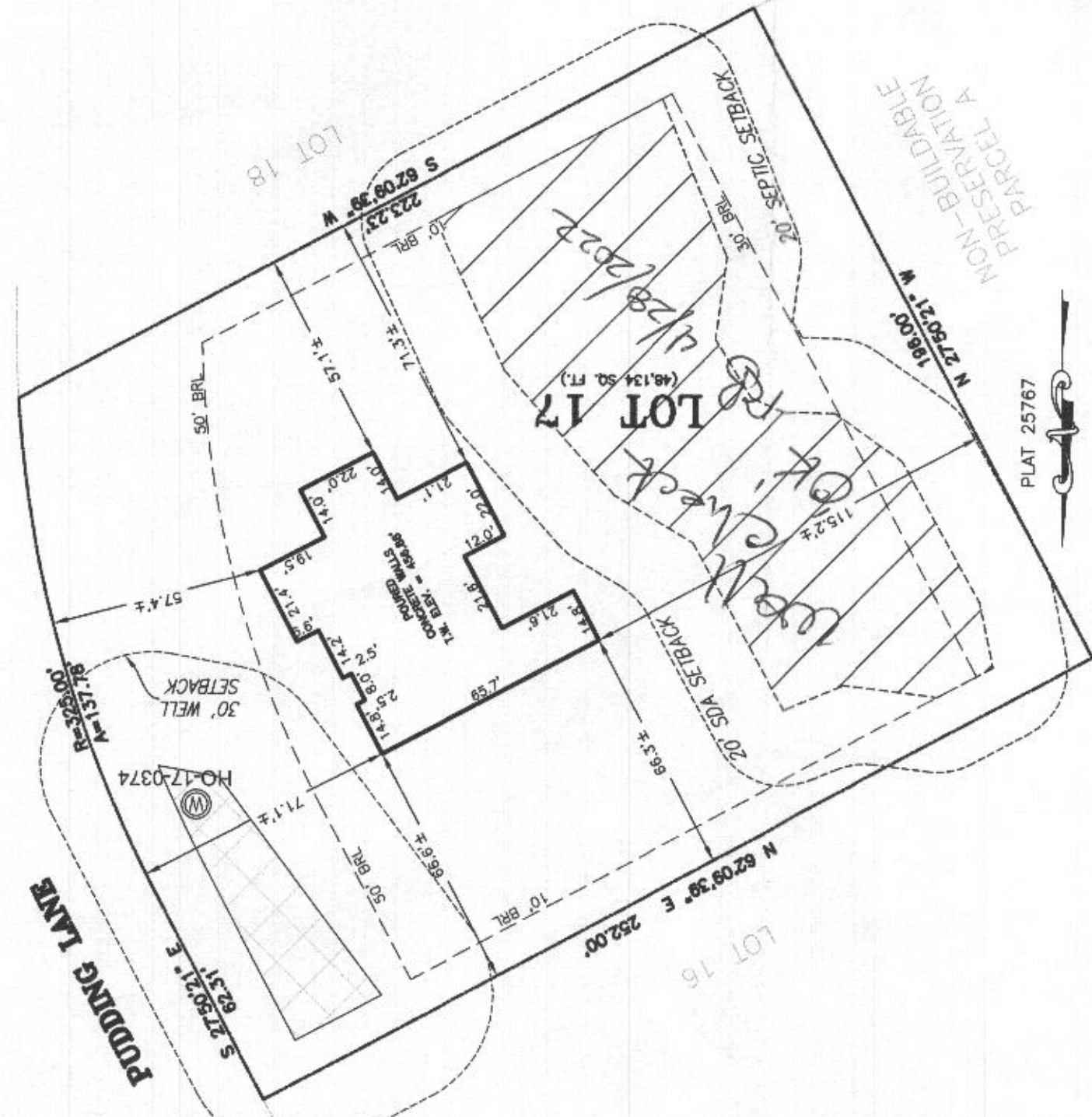
ESE CONSULTANTS
ENGINEERING • PLANNING • SURVEYING • ENVIRONMENTAL
ESE Consultants, Inc.
6731 Columbia Gateway Drive • Suite 120 • Columbia, MD 21046
T: 410-872-9105
SCALE: 1" = 40'
JOB NO: 3502
FILE: WC LOT 17
CHK'D: M.J.B.
DATE: 02/18/2022

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

PERMIT NO.: B21003436
ADDRESS: 10508 PUDDING LANE
ELLICOTT CITY, MD 21042
WELL NUMBER: HO-17-0374



LEGEND:
BRL (W) WELL LOCATION
ELEV. TOP OF WALL
ELEVATION
SEWAGE DISPOSAL AREA



HoCo Health Dept
APR 27 2022
Environmental Health