



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

BAT

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

RECEIPT DATE: 5-2-23

ONSITE SEWAGE DISPOSAL SYSTEM

P 574108

APPROVAL DATE: 9/29/2023

PERMIT: Now CONSTRUCTION

A

PROPERTY ADDRESS: 10606 Reynolds Court

SUBDIVISION: Kings Forest

LOT: 1

TAX ID: _____

CONTRACTOR: Fogles Septic Clean Inc

EMAIL: King@foglesinc.com

CONTRACTOR ADDRESS: 388 Obercht Rd, Sykesville, MD 21784

PHONE: 410-795-8670

CONTRACTOR CERTIFIED FOR BAT INSTALLATION: ☒ MDE ☒ MANUFACTURER:

PROPERTY OWNER: Toll Brothers

EMAIL: Sriley1@tollbrothers.com

OWNER ADDRESS: 6731 Columbia Gateway Drive, Suite 120

PHONE: (410) 872-9105

BAT UNIT MODEL: Norweco

PUMP SIZE: M:EP50

PUMP TANK CAPACITY: 2000 Gallon

OPERATION & MAINTENANCE AGREEMENT

DATE SIGNED: 6-16-23

DATE RECORDED: 8-4-23

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>8'</u>
	MINIMUM SPACE BETWEEN TRENCHES:	<u>10'</u>	EFFECTIVE AREA BEGINNING DEPTH:	<u>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: Dana Bernard

ISSUE DATE: ~~12-6-22~~

EXPIRATION DATE: ~~12-6-23~~ 5-2-24

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 23002505

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
3'	2.5-3'	8'
NUMBER OF TRENCHES		2-1
TOTAL LENGTH		127'
ABSORPTION AREA		381 ft ²
DISTRIBUTION BOX LEVEL		Level
DISTRIBUTION BOX BAFFLE		Yes
DISTRIBUTION BOX PORT		Yes

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL yes
MANUFACTURER Brock River
CAPACITY 10250 GAL
SEAM LOC Top
TANK LID DEPTH 1.5'
BAFFLES N/A
BAFFLE FILTER N/A
MANHOLE LOC Front, middle, back
6" PORT LOC —
WATERTIGHT TEST —
SLOTTED —
DATE ON LID 3/6/2023

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 —

PRE-CONSTRUCTION:

6/5/2023 - SDT brand trenches STAKED, End of SDA @ end of property, line not staked. 1, @ 63', trenches on center by 0.5"-2". 1, 13' apart from 12. 12 @ 63' trenches on center by 0.5"-2". Trench staked, sewer coming out of house will make fall to tanks. Gave OK to start work.

INSTALLATION: 6/7/2023 - Upper trench inlet @ 2.5'-3'. Gave OK to backfill upper trench.

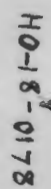
BAT tank set, 1.5' cover on lid. Adequate fall from house to tank. SCHED PVC used. Saw c/o from foundation. Gave OK to backfill front line. D-box set, levelers not installed yet. reinspect to level D-box. During inspection lower trench bottom was at 6' instead of 8', installer stepped stone & dug hole deeper. Reinspect for lower trench. 6/8/2023 - Saw the rest of lower trench. Inlet per plan. Ingressed trench to foundation. No water to level D-box. Reinspect to level D-box. OK to backfill all other work. 6/27/2023 - D-box leveled OK to cover. Need PAT start-up for final approval.

FINAL INSPECTOR

DATE OF APPROVAL

7/27/2023

1230



of the Circuit Court for
Howard County

10606 Reynolds

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

LR - Agreement Recording Fee

Name: Mather
Ref: 1
1x 20.00 20.00

LR - Agreement Surcharge

1x 40.00 40.00

LR - Agreement Recording Fee

1x 20.00 20.00

Name: Toll Brothers
Ref: 2

LR - Agreement Surcharge

1x 40.00 40.00

LR - Agreement Recording Fee

1x 20.00 20.00

Name: Toll Brothers
Ref: 3

LR - Agreement Surcharge

1x 40.00 40.00

SubTotal: 180.00

Total: 180.00

RD-Credit 180.00

Card Confirmation : 001056



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: 10606 REYNOLDS CT	CERTIFIED INSTALLER: JAMIE DEAVERS
CITY, ZIPCODE & COUNTY: ELLICOTT CITY, 21042, HOWARD	PERMIT#
SIZE OF SYSTEM INSTALLED:	DATE INSTALLED: 06-05-23
750 GPD CONCRETE	START-UP DATE: 09-05-23
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: 26"
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
IS THE 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

September 5, 2023

Signature of BRP Representative

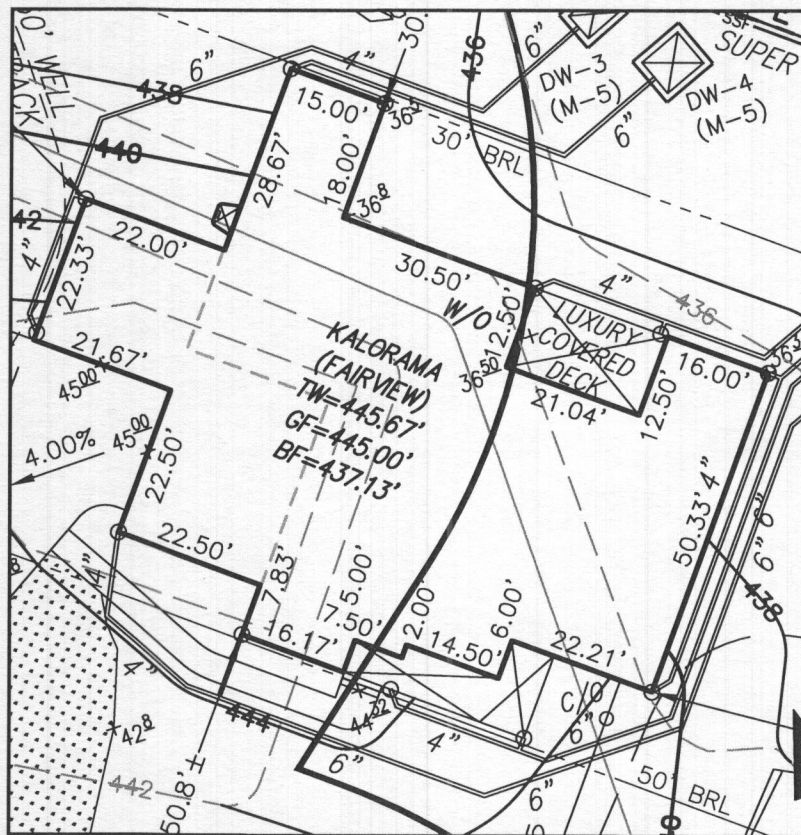
Vice-President

Date

LEGEND:

- BRL BUILDING RESTRICTION LINE
W WELL LOCATION
T.W. TOP OF WALL
G.F. GARAGE FLOOR
B.F. BASEMENT FLOOR
P.P. PASSED PERC LOCATION
F.F. FAILED PERC LOCATION
SEWAGE DISPOSAL AREA
WELL BOX AREA
SILT FENCE
SUPER SILT FENCE
LIMITS OF DISTURBANCE
PROPOSED TREE
SCE STONE CONSTRUCTION ENTRANCE

NOTE:
TOTAL LIMITS OF DISTURBANCE (LOD) = 39,738 SQ. FT.



HOUSE ENLARGEMENT
NOT TO SCALE

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

HOUSE TYPE: KALORAMA (FAIRVIEW)

TWO CAR SIDE ENTRY GARAGE
WALK-OUT BASEMENT
WET BAR ROUGH-IN
ADDITIONAL TWO CAR FRONT ENTRY GARAGE
WALK-OUT LUXURY COVERED DECK
MULTI GEN SUITE ADDITION
GRAND MULTI GEN SUITE ADDITION
EXPANDED CLOSET
FINISHED THIRD FLOOR
DAYLIGHT WINDOW/WELL

OPTION No. 012
OPTION No. 017
OPTION No. 048246
OPTION No. 263019
OPTION No. 263169
OPTION No. 263073
OPTION No. 263075
OPTION No. 263111
OPTION No. 263381
OPTION No. 543

WELL NUMBER: HO-18-0178

ADDRESS: 10606 REYNOLDS COURT
ELICOTT CITY, MD 21042

PLOT PLAN
LOT 1
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: 10/14/2022

SCALE: 1" = 40'



FILE: PP LOT 1 - KALORAMA FAIR.

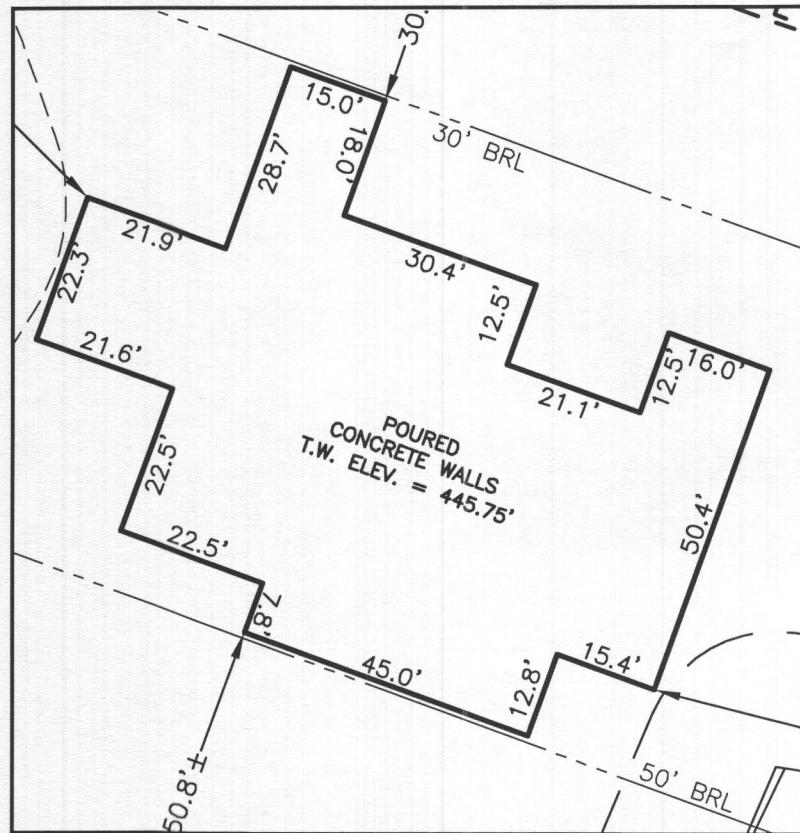
CHK'D: M.J.B.

JOB NO: 3502

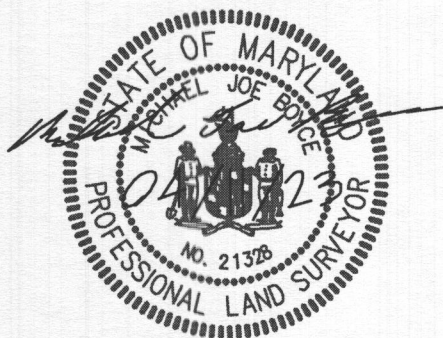
DRAWN: R.C.K.

LEGEND:

 SEWAGE DISPOSAL AREA
 WELL BOX AREA

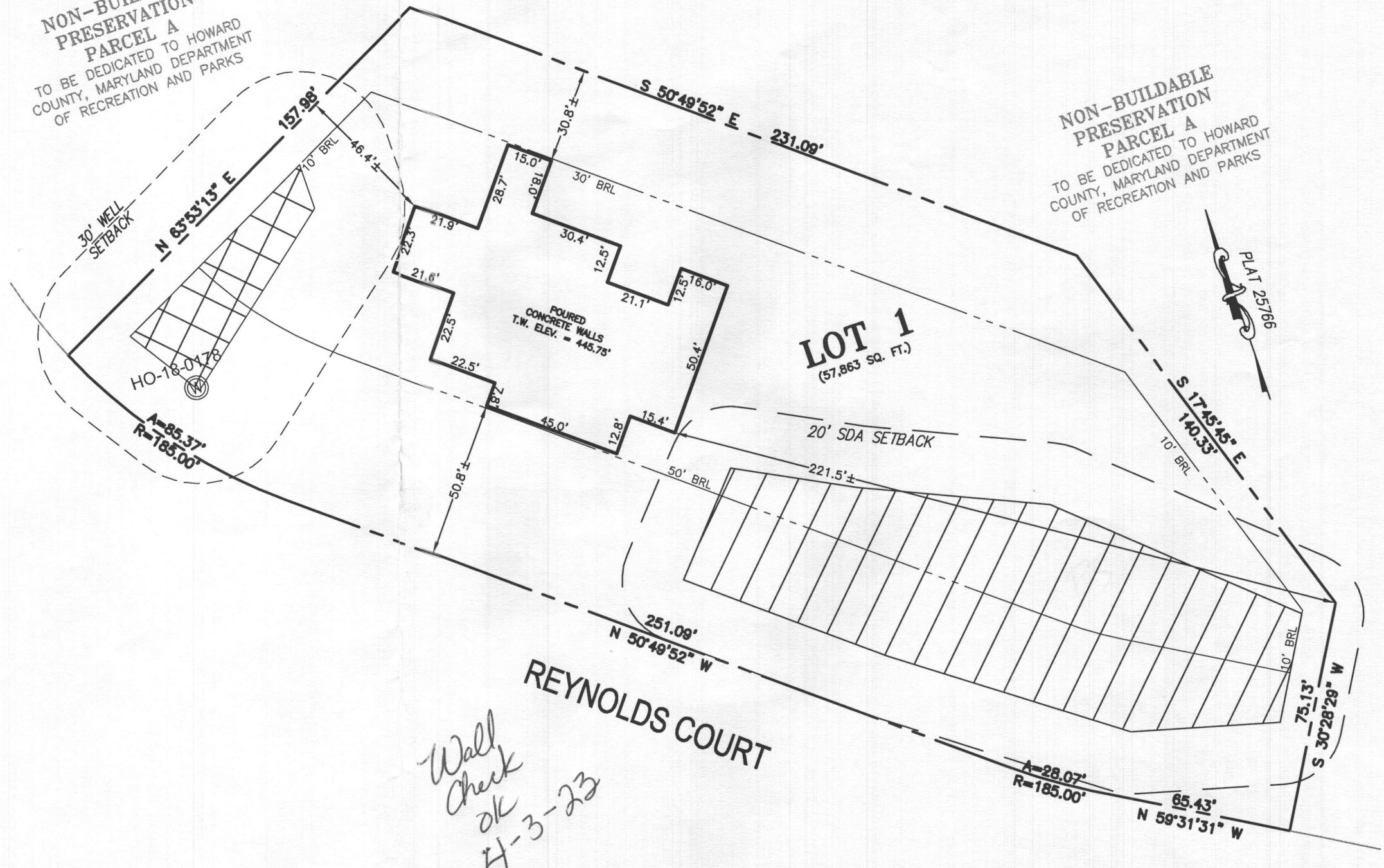


BUILDING SETBACKS (B.R.L.'s) SHOWN HEREON PER SITE DEVELOPEMENT PLAN
SETBACK DISTANCES SHOWN HEREON AS "±" HAVE AN ACCURACY OF ±0.1' FOOT.



SIGNATURE: MICHAEL JOE BOYCE MD. LIC N 21328

NON-BUILDABLE
PRESERVATION
PARCEL A
TO BE DEDICATED TO HOWARD
COUNTY, MARYLAND DEPARTMENT
OF RECREATION AND PARKS



Wall
check
ok
H-3-23

ESE CONSULTANTS

FILE: WC LOT 1
DRAWN: V.X.P.

LEGEND:

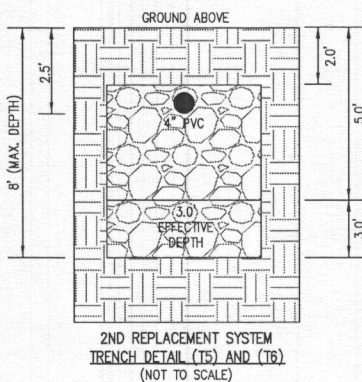
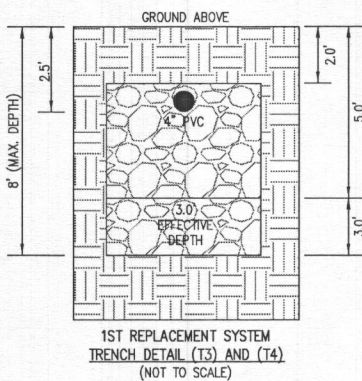
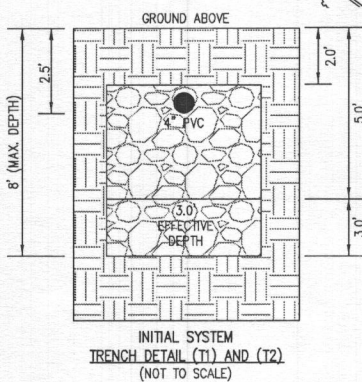
- BRL BUILDING RESTRICTION LINE
- WELL LOCATION
- T.W. TOP OF WALL
- S.F. GARAGE FLOOR
- SCE BASEMENT FLOOR
- DW STONE CONSTRUCTION ENTRANCE
- DW DRYWELL
- PERC PASSED PERC LOCATION
- PERC FAILED PERC LOCATION
- SEWAGE DISPOSAL AREA
- WELL BOX AREA
- PROPOSED TREE

INITIAL TRENCH DATA:

BOTTOM MAX. DEPTH (8')

TRENCH 1 (T1): 62.50 L.F.
GROUND ABOVE = 440.30'
INV. IN = 437.80'
BOTTOM TRENCH = 432.30'

TRENCH 2 (T2): 62.50 L.F.
GROUND ABOVE = 439.50'
INV. IN = 437.00'
BOTTOM TRENCH = 431.50'

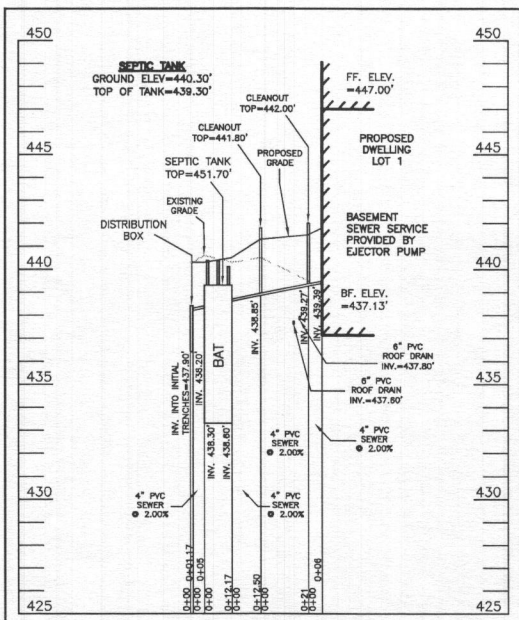


HOUSE OPTIONS:

HOUSE TYPE: KALORAMA (FAIRVIEW)

TWO CAR SIDE ENTRY GARAGE
WALK-OUT BASEMENT
WET BAR ROUGH-IN
ADDITIONAL TWO CAR FRONT ENTRY GARAGE
WALK-OUT LUXURY COVERED DECK
MULTI GEN SUITE ADDITION
GRAND MULTI GEN SUITE ADDITION
EXPANDED CLOSET
FINISHED THIRD FLOOR
DAYLIGHT WINDOW/WELL

OPTION No. 012
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OPTION No. 263019
OPTION No. 263169
OPTION No. 263073
OPTION No. 263075
OPTION No. 263111
OPTION No. 263381
OPTION No. 543



SEWAGE DISPOSAL SYSTEM DATA (6 BODM)

- PROPOSED INVERT AT FOUNDATION WALL: 439.39'
1. EX. GRADE OVER TANK: 440.30'
PROPOSED GRADE OVER TANK: 440.30'
INVERT IN: 438.60' INVERT OUT: 438.30'
- DISTRIBUTION BOX
EXISTING GRADE OVER TANK: 440.30'
PROPOSED GRADE OVER TANK: 440.30'
INVERT IN: 438.20' INVERT OUT: 437.90'
- INITIAL TRENCH DESIGN (6 BODM x 150 GPD/BODM = 900 GPD)
900 GPD ÷ 1.2 APP. RATE = 750 SF
USE 3' WIDE TRENCH WITH 66" 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
- 1ST REPLACEMENT TRENCH DESIGN (6 BODM x 150 GPD/BODM = 900 GPD)
900 GPD ÷ 1.2 APP. RATE = 750 SF
USE 3' WIDE TRENCH WITH 66" 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
- 2ND REPLACEMENT TRENCH DESIGN (6 BODM x 150 GPD/BODM = 900 GPD)
900 GPD ÷ 1.2 APP. RATE = 750 SF
USE 3' WIDE TRENCH WITH 66" 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



WELL LOCATION CERTIFICATION:

THE EXISTING WELL SHOWN FOR LOT 1 (TAG NO. HO-18-0178) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN HEREON.

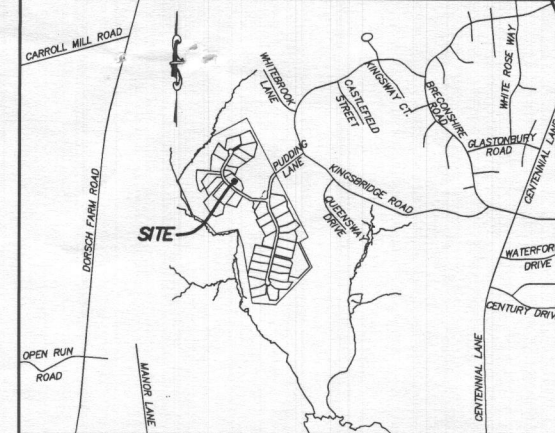
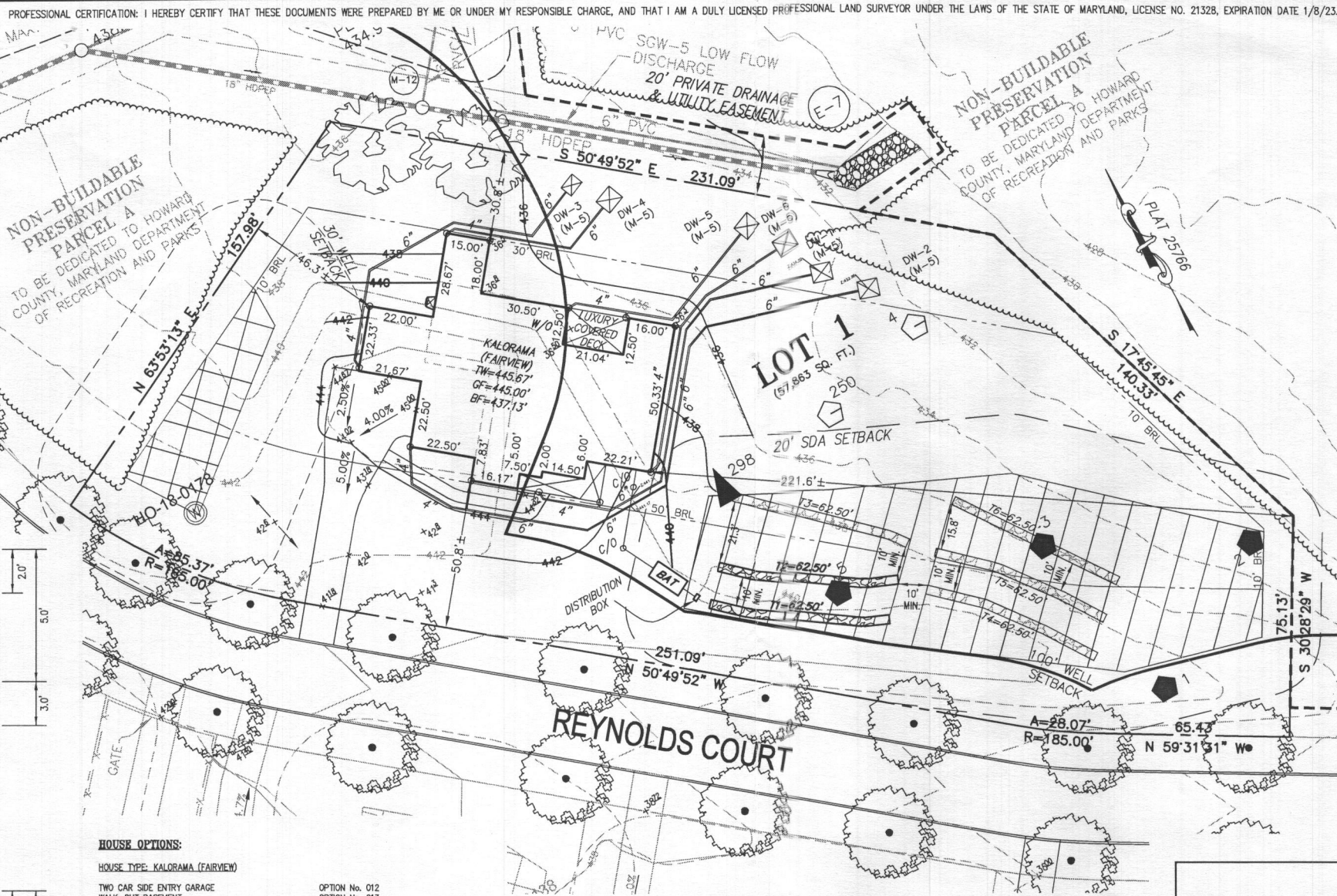
SITE PLAN FOR BAT INSTALLATION
LOT 1
KINGS FOREST
LIBER 20039, FOLIO 212
PLAT NO. 25766
ELECTION DISTRICT NO. 2
HOWARD COUNTY, MARYLAND
ADDRESS: 10608 REYNOLDS COURT
ELLICOTT CITY, MARYLAND 21042

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ENGINEERING • PLANNING • SURVEYING • ENVIRONMENTAL

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

DATE: 11/13/2022 SCALE: 1"= 30' FILE: BAT LOT 1
CHK'D: M.J.B. JOB NO: 3502 DRAWN: R.C.K.

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.



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 BENCHMARK ENGINEERING, INC. IN FEBRUARY 2014.

