



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: 2/17/21 ONSITE SEWAGE DISPOSAL SYSTEM

P 568759

APPROVAL DATE: 4/15/21 PERMIT: CONSTRUCTION

A

PROPERTY ADDRESS: 1405 HERITAGE RIDGE ROAD, WOODBINE, MD 21797

SUBDIVISION: LINDEN GROVE

LOT: 13

TAX ID:

04-601892

CONTRACTOR: Charis Enterprises LLC

EMAIL: sbricker@charisenterprisesllc.com

CONTRACTOR ADDRESS: 3811 Federal Hill Road, Jarrettsville, MD 21084

PHONE: 410-557-2455 ext 101

PROPERTY OWNER: TOLL MID-ATLANTIC LP COMPANY, INC

EMAIL: Sriley1@tollbrothers.com

OWNER ADDRESS: 250 GIBRALTER ROAD, HORSHAM, PA 19044

PHONE: (410)381-3271

SEPTIC TANK SIZE (GALLONS): 1500

TANK MANUFACTURER:

Back River Pre-Cast, LLC

PUMP MODEL: n.a.

PUMP SIZE

n.a.

PUMP TANK CAPACITY:

n.a.

DISTRIBUTION SYSTEM:

GRAVITY

PRESSURE DOSED

BEDROOMS:

5

APPLICATION RATE:

0.8

TRENCHES:	LINEAR FEET REQUIRED:	142	INLET DEPTH:	2.5
	TRENCH WIDTH:	3	MAXIMUM BOTTOM DEPTH:	8.0
	MINIMUM SPACE BETWEEN TRENCHES:	10	EFFECTIVE AREA BEGINNING DEPTH:	4.5
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.			
NOTES:	INSTALL CLEANOUT IN SHC.			

ISSUED BY: R BRICKER

ISSUE DATE: 3/19/21

EXPIRATION DATE: 2/17/22

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 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 n.a.

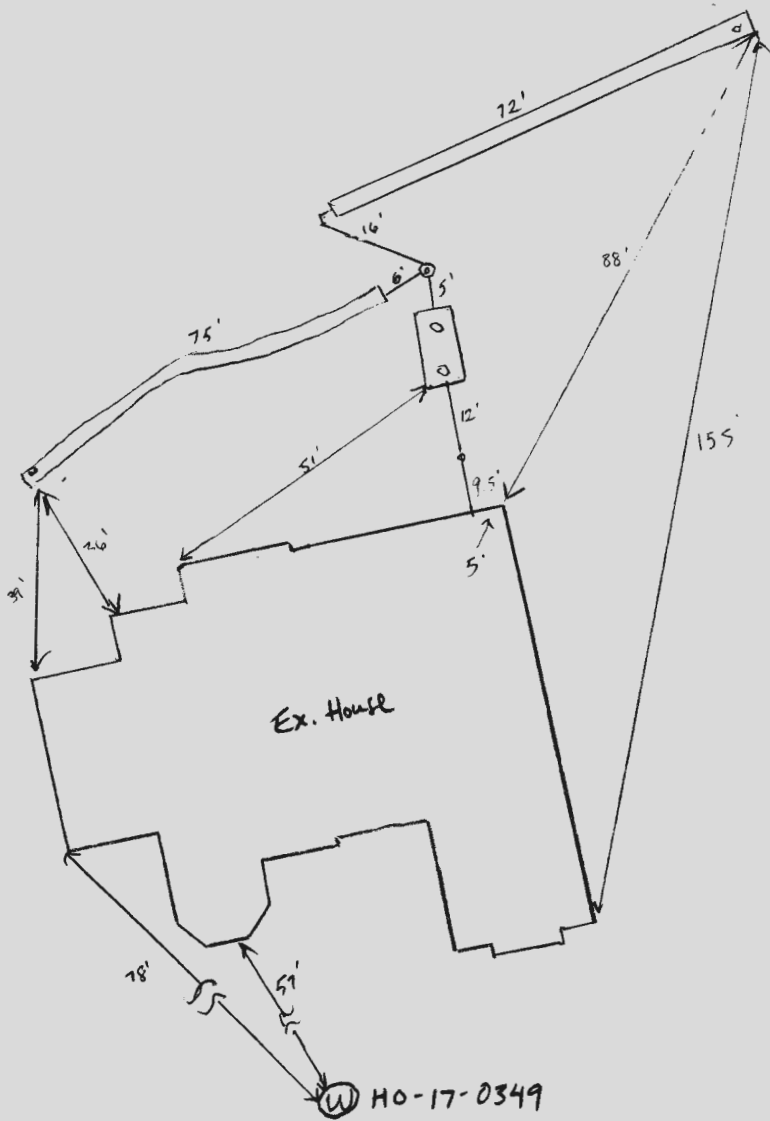
NOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATE TO ENSURE THAT SOLIDS ARE NOT DISCHARGED TO THE DISPOSAL AREA

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 1" ≈ 30'



ROAD NAME
Heritage Ridge Rd

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3'	2.5'	8'

NUMBER OF TRENCHES 2
 TOTAL LENGTH 147'
 ABSORPTION AREA 441 sq ft + sidewalk
 DISTRIBUTION BOX LEVEL yes
 DISTRIBUTION BOX BAFFLE yes
 DISTRIBUTION BOX PORT yes

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL yes
 MANUFACTURER Babylon
 CAPACITY 1500 GAL
 SEAM LOC top
 TANK LID DEPTH 1'
 BAFFLES inlet & outlet
 BAFFLE FILTER N/A
 MANHOLE LOC inlet tank
 6" PORT LOC N/A
 WATERTIGHT TEST N/A
 SLOTTED yes
 DATE ON LID 2-24-21

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 _____

PRE-CONSTRUCTION:

4/13/21 2x7" trenches were staked out on contour according to plan. (S)

INSTALLATION: 4/15/21 SHC constructed, tank set and d-box set and leveled. Two trenches constructed according to plan. (S)

FINAL INSPECTOR

Juan Thomas

DATE OF APPROVAL

4/15/21

HOUSE OPTIONS:

HOUSE TYPE: RIDGEVIEW (LEXINGTON)

- THREE CAR SIDE ENTRY GARAGE
- WALK-OUT BASEMENT
- CONSERVATORY ELITE ADDITION
- ADD 1' TO HEIGHT OF FOUNDATION WALLS
- ADDITIONAL BATH

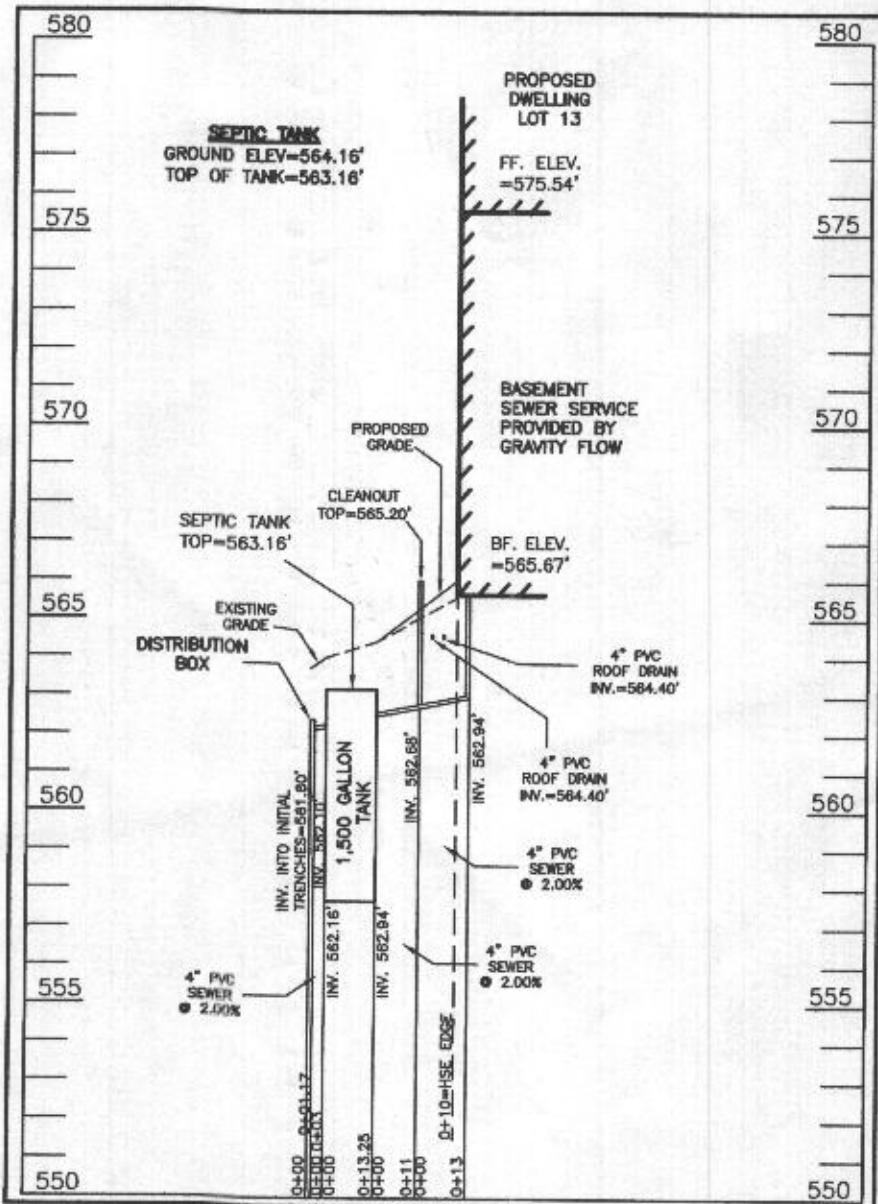
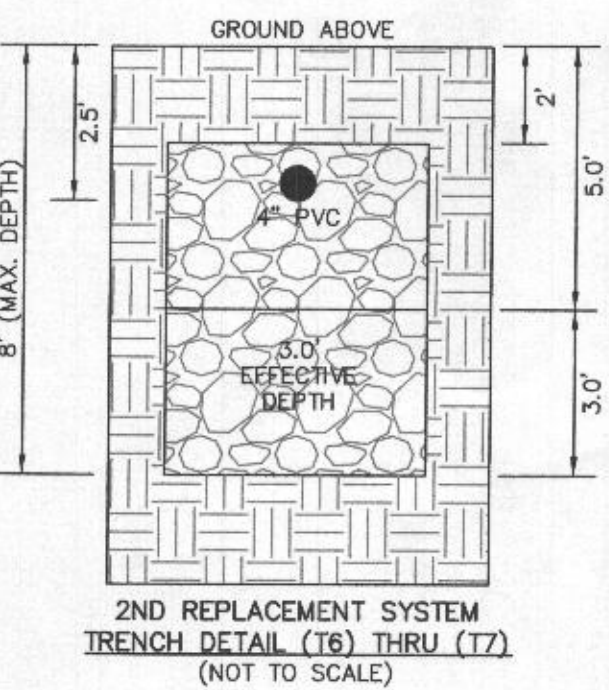
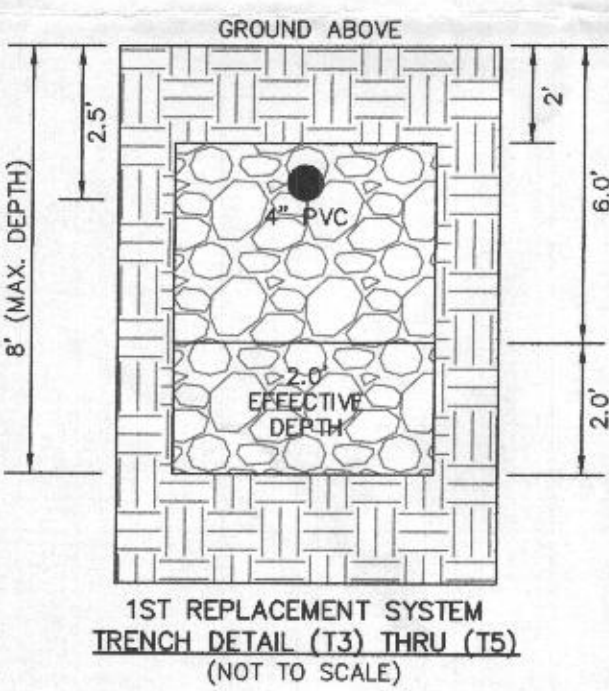
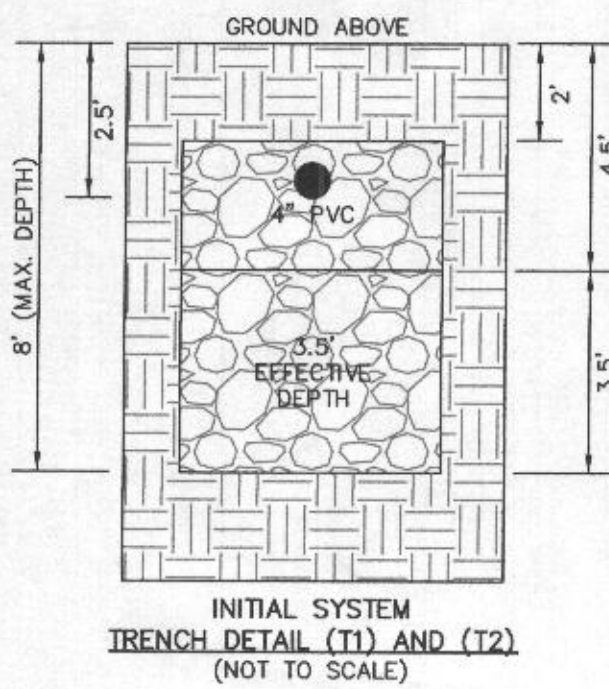
- OPTION NO. 001
- OPTION NO. 017
- OPTION NO. 039
- OPTION NO. 070

INITIAL TRENCH DATA:

BOTTOM MAX. DEPTH (8')

TRENCH 1 (T1): 71 LF.
GROUND ABOVE = 563.70'
INV. IN = 561.20'
BOTTOM TRENCH = 555.70'

TRENCH 2 (T2): 71 LF.
GROUND ABOVE = 563.00'
INV. IN = 560.50'
BOTTOM TRENCH = 555.00'



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

SEWAGE DISPOSAL SYSTEM DATA (6 BDRM)

- PROPOSED INVERT AT FOUNDATION WALL: 562.94'
- EX. GRADE OVER TANK: 564.16'
PROPOSED GRADE OVER TANK: 564.16'
INVERT IN: 562.46' INVERT OUT: 562.12'
 - DISTRIBUTION BOX
EXISTING GRADE OVER TANK: 563.78'
PROPOSED GRADE OVER TANK: 563.78'
INVERT IN: 562.10' INVERT OUT: 561.80'
 - 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 60" GRAVEL BELOW PIPE
10' MIN. SPACING BETWEEN TRENCH EDGES
937.50 SF ÷ 3' WIDTH = 312.50 LF x 0.45 (SIDEWALL REDCUTION) = 140.63 LF MIN.
USE 2 71' LONG TRENCHES = 142 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 60" GRAVEL BELOW PIPE
10' MIN. SPACING BETWEEN TRENCH EDGES
937.50 SF ÷ 3' WIDTH = 312.50 LF x 0.63 (SIDEWALL REDCUTION) = 196.88 LF MIN.
USE 3 65.70' LONG TRENCHES = 197.10 LF
 - 2ND 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 60" GRAVEL BELOW PIPE
10' MIN. SPACING BETWEEN TRENCH EDGES
937.50 SF ÷ 3' WIDTH = 312.50 LF x 0.50 (SIDEWALL REDCUTION) = 156.25 LF MIN.
USE 2 78.20' LONG TRENCH = 156.40 LF



LEGEND:

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

WELL LOCATION CERTIFICATION:

THE EXISTING WELL SHOWN FOR LOT 13 (TAG NO. HO-17-0349) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN HEREON.

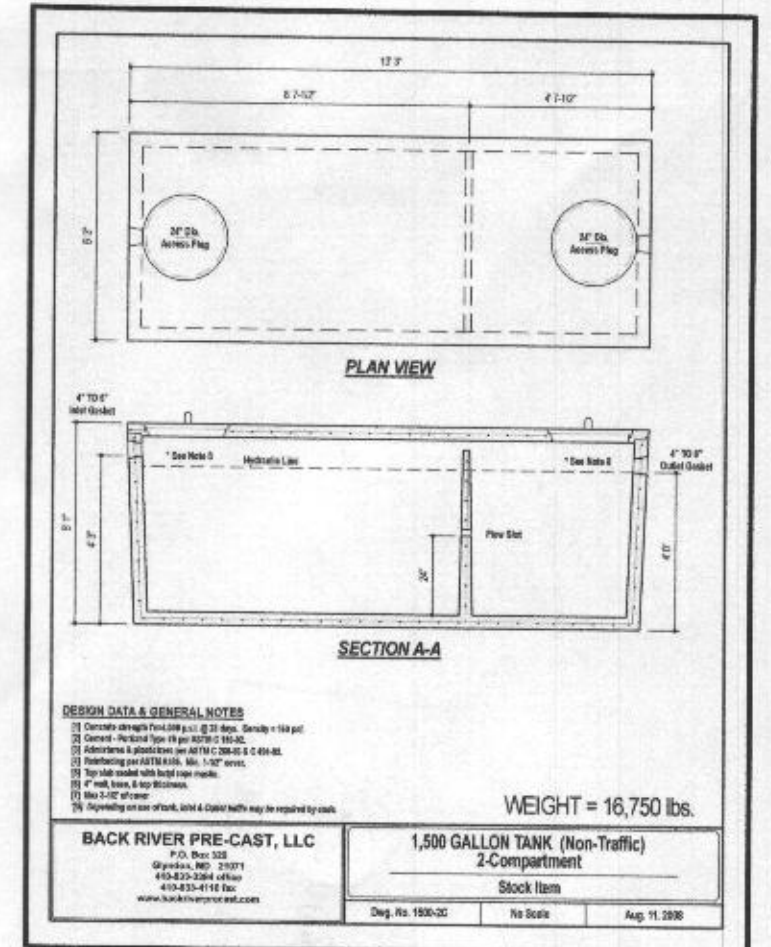
ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN
**LOT 13
LINDEN GROVE**
LIBER 15899, FOLIO 246
PLAT NO. 25069
ELECTION DISTRICT No. 4
HOWARD COUNTY, MARYLAND
ADDRESS: 1405 HERITAGE RIDGE ROAD
WOODBINE, MARYLAND 21797



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 FISHER, COLLINS AND CARTER, INC.



DESIGN DATA & GENERAL NOTES:
1. General Notes: See separate sheet for details.
2. General Notes: See separate sheet for details.
3. General Notes: See separate sheet for details.
4. General Notes: See separate sheet for details.
5. General Notes: See separate sheet for details.
6. General Notes: See separate sheet for details.
7. General Notes: See separate sheet for details.
8. General Notes: See separate sheet for details.

BACK RIVER PRE-CAST, LLC
1,500 GALLON TANK (Non-Traffic)
2-Compartment
Stock Item
Sep. No. 1990-02 No. Seats Aug. 11, 2008

WEIGHT = 16,750 lbs.


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

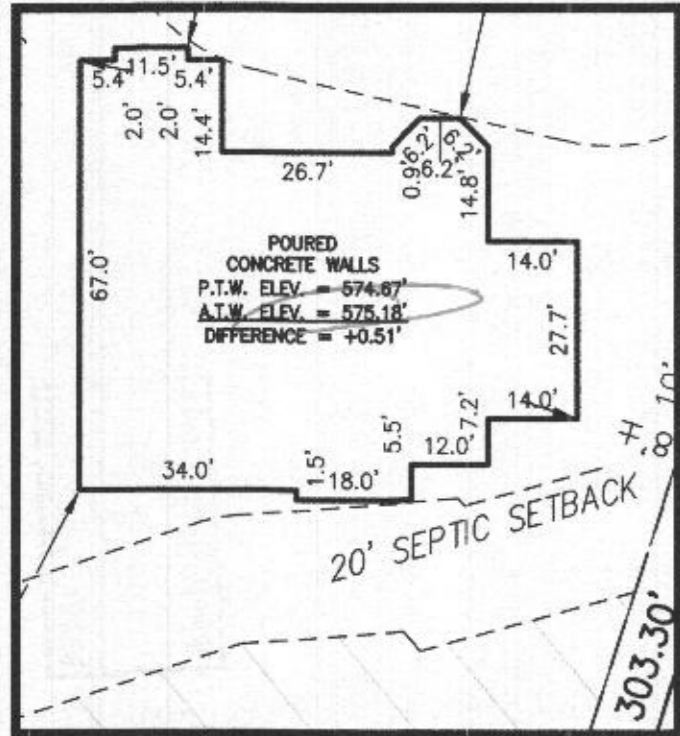
DATE: 07/13/2020 SCALE: 1"= 30' FILE: OSDS LOT 13
CHK'D: M.J.B. JOB NO: 4683 DRAWN: R.C.K.

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 01/08/2023.

LEGEND:

BRL BUILDING RESTRICTION LINE
 (W) WELL LOCATION
 P.T.W. PROPOSED TOP OF WALL
 A.T.W. ACTUAL TOP OF WALL
 ELEV. ELEVATION

 SEPTIC RESERVE AREA



HOUSE ENLARGEMENT
 SCALE 1" = 30'

APPROVED
 03/19/2021

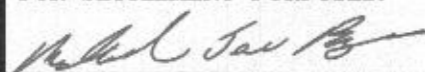
PERMIT NO.: B20002401

ADDRESS: 1405 Heritage Ridge Road
 WOODBINE, MARYLAND 21797

BUILDING SETBACKS (B.R.L.'s) SHOWN HEREON PER SITE DEVELOPMENT
 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 02/23/2021
 MD. LIC. NO. DATE

WALLCHECK
 LOT 13
LINDEN GROVE
 LIBER 01619, FOLIO 341
 PLAT 25069
 4TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

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ENGINEERING • PLANNING • SURVEYING • ENVIRONMENTAL

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

DATE: 02/23/2021 SCALE: 1"=40' FILE: WC LOT 13
 CHK'D: M.J.B. JOB No: 4683 DRAWN: C.E.R.

PLAT 25069