

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
Facebook: www.facebook.com/hocohealth

RECEIPT DATE: 4/27/2022 ONSITE SEWAGE DISPOSAL SYSTEM

P 871520

APPROVAL DATE: 7/25/22 PERMIT: CONSTRUCTION

A

PROPERTY ADDRESS: 1424 HERITAGE RIDGE ROAD, WOODBINE, MD 21797

SUBDIVISION: LINDEN GROVE, PHASE 2 LOT: 38 TAX ID: 04-603260

CONTRACTOR: CHAVIS ENTERPRISES & SEPTIC SERVICES, LLC EMAIL: Ryan@chavisenterprises.com

CONTRACTOR ADDRESS: 23 EAST ELLENDALE, BELL AIR, MD 21014 PHONE: (410)838-3007

PROPERTY OWNER: TOLL MID-ATLANTIC LP COMPANY, INC EMAIL: nbrandenburg@tollbrothers.com

OWNER ADDRESS: 250 GIBRALTER ROAD, HORSHAM, PA 19044 PHONE: (410)381-3271

SEPTIC TANK SIZE (GALLONS): 2000 TANK MANUFACTURER: Back River Pre-Cast, LLC

PUMP MODEL: n.a. PUMP SIZE n.a. PUMP TANK CAPACITY: n.a.

DISTRIBUTION SYSTEM: [X] GRAVITY [ ] PRESSURE DOSED BEDROOMS: 5 APPLICATION RATE: 0.8

Table with 2 columns: Field Name, Value. Fields include TRENCHES (Linear Feet Required: 156, Inlet Depth: 3.5, Trench Width: 3, Maximum Bottom Depth: 8.0, Minimum Space Between Trenches: 10, Effective Area Beginning Depth: 5.0), LOCATION (PER APPROVED SITE PLAN...), NOTES (INSTALL AT LEAST TWO CLEANOUTS IN SHC).

ISSUED BY: R BRICKER ISSUE DATE: 4/27/22 EXPIRATION DATE: 4/22/23

- 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.

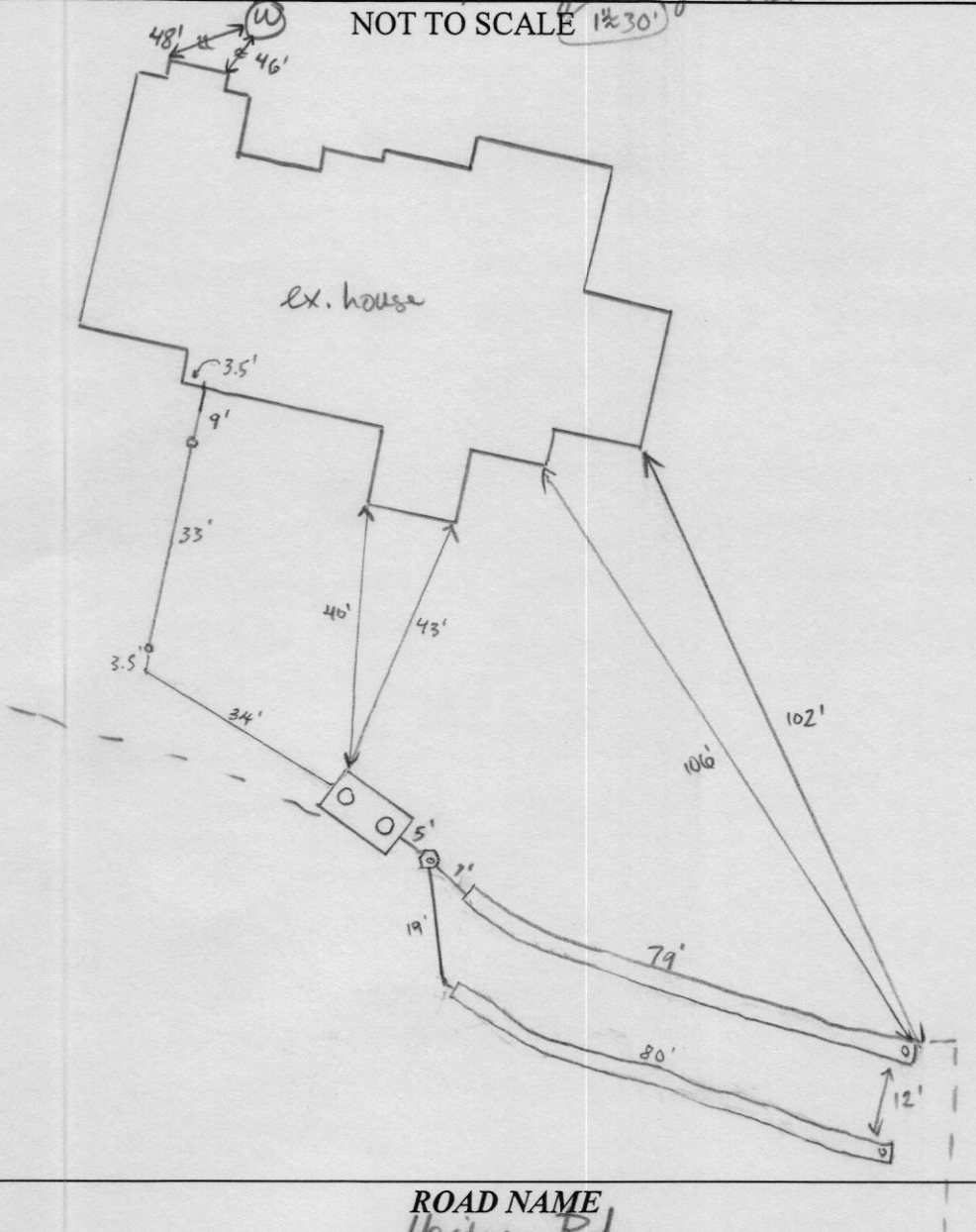
PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.

CALL 410-313-1771 TO SCHEDULE INSPECTIONS.

HO-17-0131

1424 Heritage Ridge Rd

NOT TO SCALE 1/2"=30'



**TRENCH/DRAINFIELD DATA**

WIDTH	INLET	BOTTOM
3'	3.5'	8'
NUMBER OF TRENCHES		2
TOTAL LENGTH		159'
ABSORPTION AREA		477 sqft inlet
DISTRIBUTION BOX LEVEL		speedy
DISTRIBUTION BOX BAFFLE		brick
DISTRIBUTION BOX PORT		PVC

**SEPTIC TANK DATA**

SEPTIC TANK 1 LEVEL yes  
 MANUFACTURER Babylon  
 CAPACITY 2000 GAL  
 SEAM LOC top  
 TANK LID DEPTH 3'  
 BAFFLES outlet  
 BAFFLE FILTER -  
 MANHOLE LOC inlet + outlet  
 6" PORT LOC -  
 WATERTIGHT TEST -  
 SLOTTED yes  
 DATE ON LID 4-8-22

**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  
Heritage Rd

**PRE-CONSTRUCTION:**

5/18/22 2x78' trenches staked out on contour according to plan. Sufficient fall to tank. (SD)

**INSTALLATION:**

5/20/22 SHC, ST constructed w/ 2 c/s. Tank set. D box set and leveled. 2x79' trenches installed. Reinsp for inlet baffle. (SD)  
7/25/22 B. Affls verified (JCC)

FINAL INSPECTOR

Joseph Caba Uof

DATE OF APPROVAL

7/25/22

# Howard County Health Department

Bureau of Environmental Health, Columbia, MD 21045 - 410-313-1771

SEWAGE DISPOSAL PERMIT NO. A- \_\_\_\_\_ P- \_\_\_\_\_

RESIDENTIAL PERMIT   
(NUMBER OF BEDROOMS: \_\_\_\_\_)

COMMERCIAL PERMIT   
(DESIGN FLOW: \_\_\_\_\_ GPD)

PERMITEE: \_\_\_\_\_

LOCATION: \_\_\_\_\_

**\*\*POST THIS CARD WHERE IT CAN BE SEEN FROM ROAD\*\***

STOP ALL CONSTRUCTION ON SEWAGE  
DISPOSAL SYSTEM AND CONTACT HEALTH  
DEPARTMENT BEFORE CONTINUING

\_\_\_\_\_  
Inspector

\_\_\_\_\_  
Date

WORK IS SATISFACTORY, OK TO  
CONTINUE

\_\_\_\_\_  
Inspector

\_\_\_\_\_  
Date

COMMENTS: \_\_\_\_\_



\_\_\_\_\_

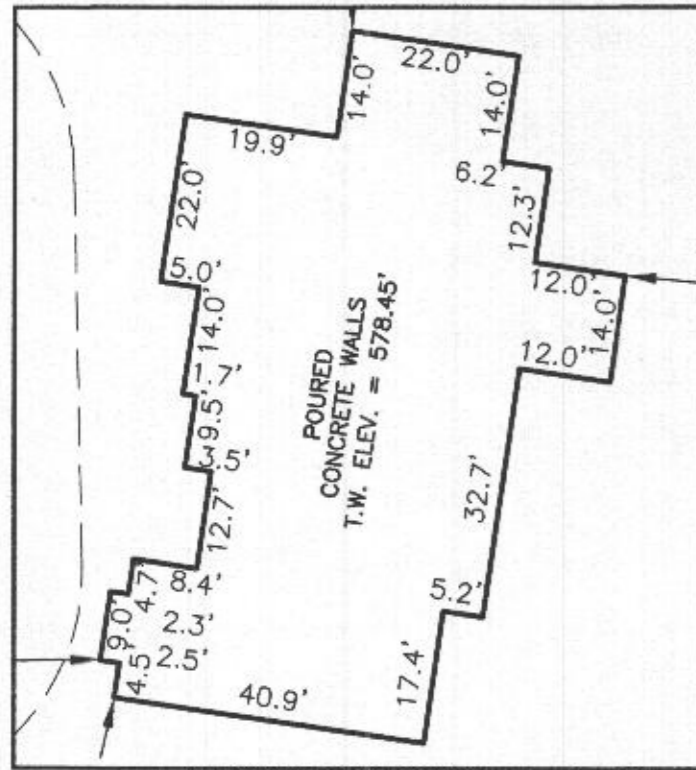
FINAL INSPECTION MADE, OK TO  
COVER ALL WORK

\_\_\_\_\_  
Inspector

\_\_\_\_\_  
Date

**LEGEND:**

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

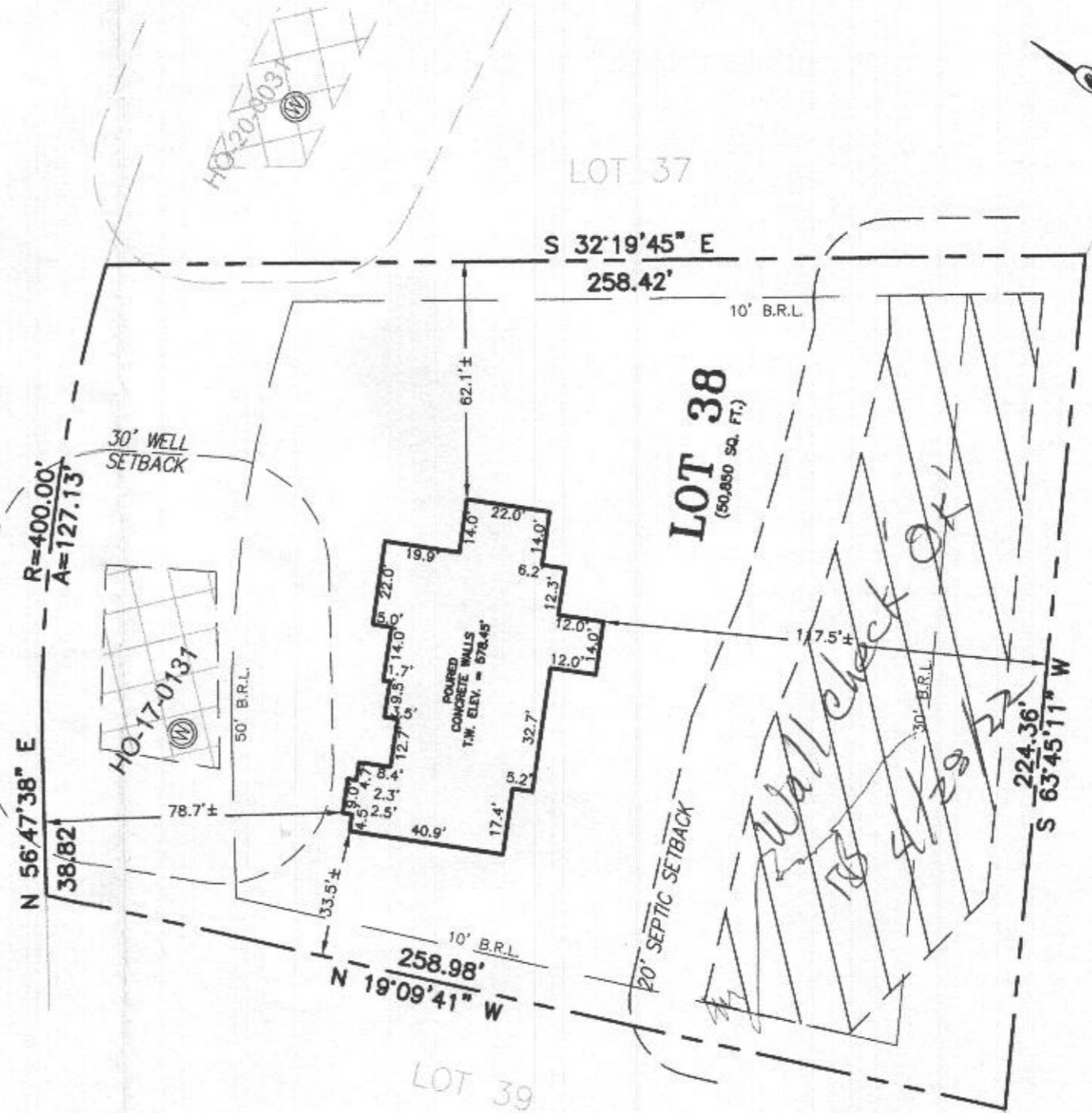


HOUSE ENLARGEMENT  
NOT TO SCALE

WELL NUMBER: HO-17-0131  
 ADDRESS: 1424 HERITAGE RIDGE ROAD  
 WOODBINE, MD 21797  
 PERMIT No.: B21003177

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

HERITAGE RIDGE ROAD



NON-BUILDABLE  
PRESERVATION  
PARCEL 'C'



**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* 21328 01/19/22  
 SIGNATURE: MICHAEL JOE BOYCE MD. LIC NO. DATE

WALLCHECK  
 LOT 38  
**LINDEN GROVE**  
 LIBER 15899, FOLIO 246  
 PLAT NO. 25722  
 ELECTION DISTRICT No. 4  
 HOWARD COUNTY, MARYLAND

**ESE CONSULTANTS**

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

DATE: 01/19/2022 SCALE: 1" = 40' FILE: WC LOT 38  
 CHK'D: M.J.B. JOB NO: 4683 DRAWN: V.X.P.



**HOUSE OPTIONS:**

HOUSE TYPE: RENWICK (CRAFTSMAN)

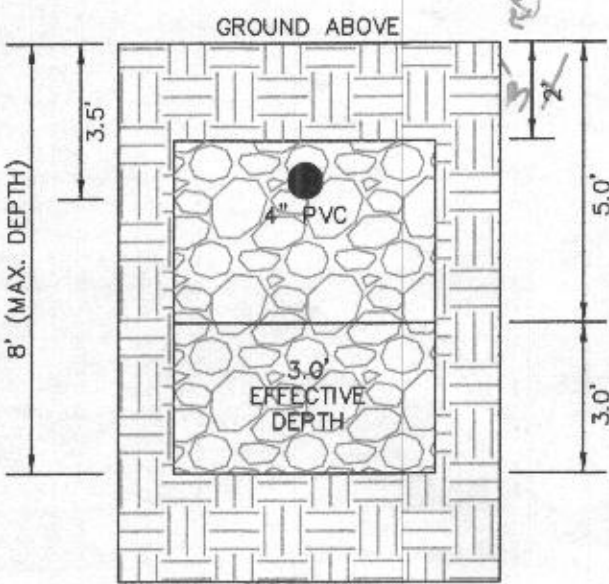
- TWO CAR SIDE ENTRY GARAGE OPTION No. 012
- WALK-OUT BASEMENT OPTION No. 017
- GRAND MULTI-GENERATIONAL SUITE ADDITION OPTION No. 263075
- ADDITIONAL ONE CAR FRONT ENTRY GARAGE OPTION No. 263102
- ADDITIONAL BATH OPTION No. 367
- DOUBLE WIDE TAIL IN REAR OF STANDARD DRIVE OPTION No. 383
- WET BAR ROUGH- MORNING KITCHEN, MUDROOM OPTION No. 90038001

**INITIAL TRENCH DATA:**

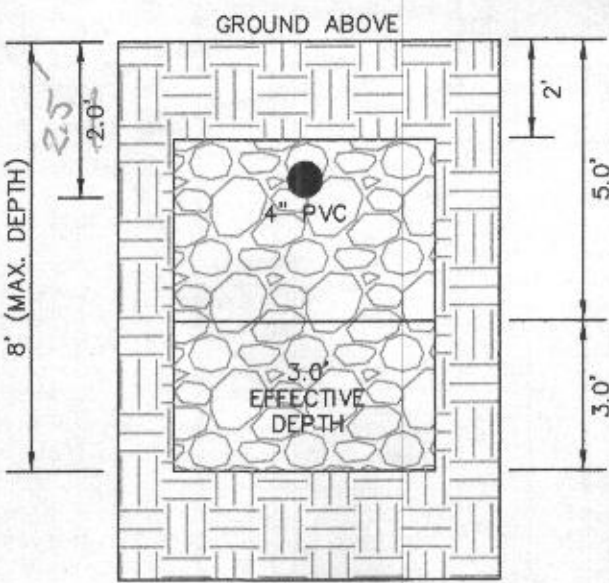
BOTTOM MAX. DEPTH (8.0')

**TRENCH 1 (T1): 78.13 L.F.**  
GROUND ABOVE = 569.68'  
INV. IN = 566.18'  
BOTTOM TRENCH = 561.68'

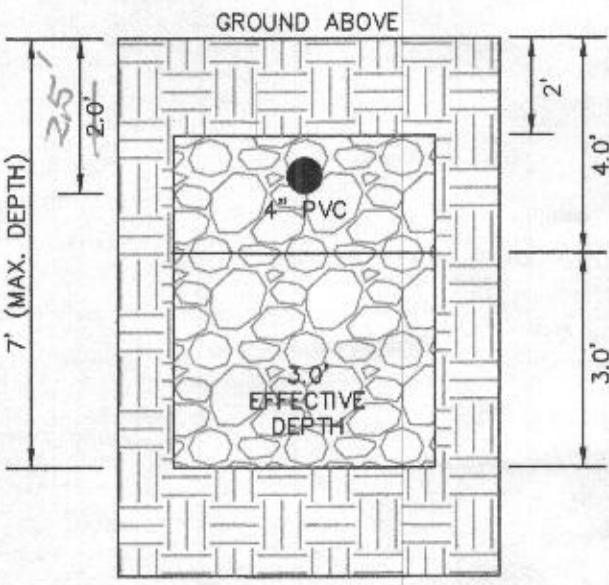
**TRENCH 2 (T2): 78.13 L.F.**  
GROUND ABOVE = 568.52'  
INV. IN = 565.02'  
BOTTOM TRENCH = 560.52'



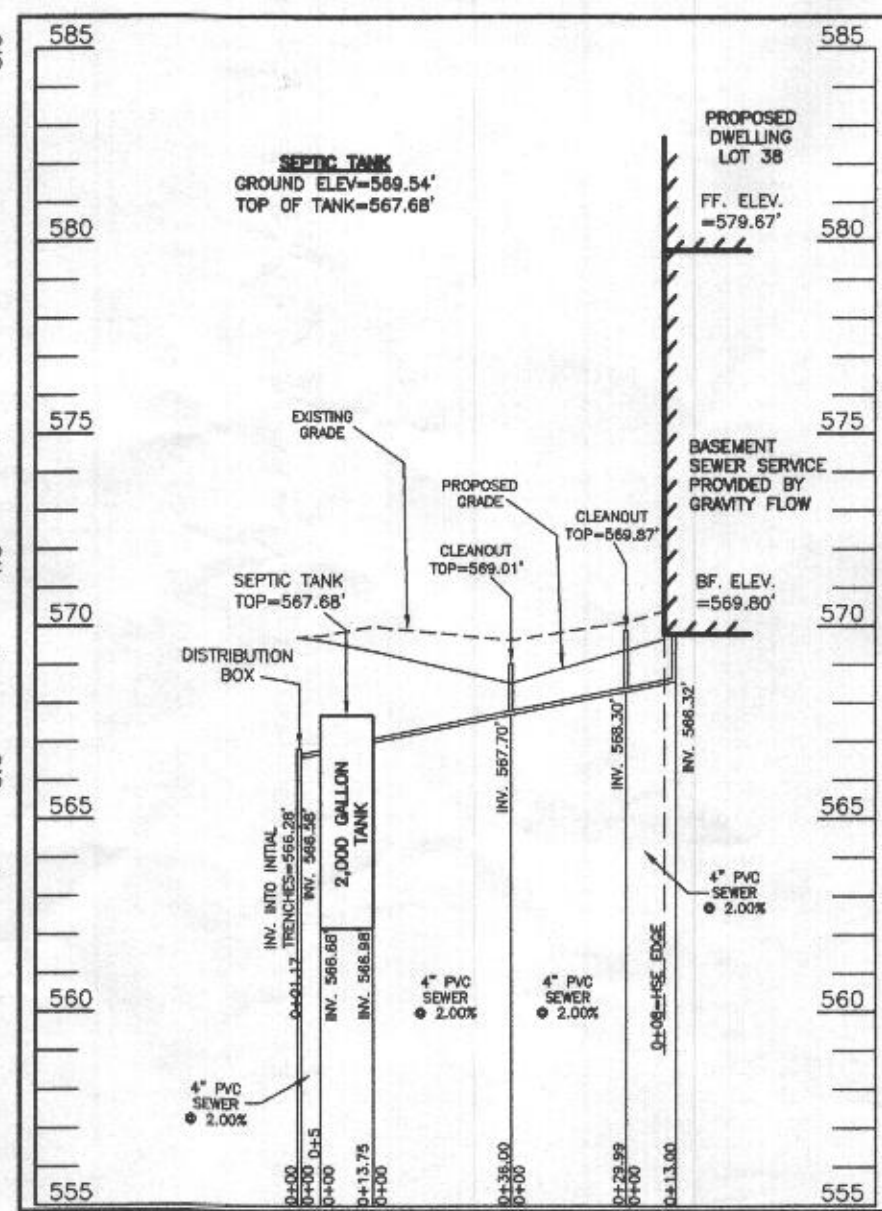
INITIAL SYSTEM  
TRENCH DETAIL (T1) THRU (T2)  
(NOT TO SCALE)



1ST REPLACEMENT SYSTEM  
TRENCH DETAIL (T3) THRU (T4)  
(NOT TO SCALE)



2ND REPLACEMENT SYSTEM  
TRENCH DETAIL (T5) THRU (T6)  
(NOT TO SCALE)



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

**LEGEND:**

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

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

- PROPOSED INVERT AT FOUNDATION WALL: 569.80'
- EX. GRADE OVER TANK: 569.87'  
PROPOSED GRADE OVER TANK: 569.54'  
INVERT IN: 566.98' INVERT OUT: 566.68'
  - DISTRIBUTION BOX  
EXISTING GRADE OVER TANK: 569.71'  
PROPOSED GRADE OVER TANK: 569.71'  
INVERT IN: 566.58' INVERT OUT: 566.28'
  - 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 54" GRAVEL BELOW PIPE  
10' MIN. SPACING BETWEEN TRENCH EDGES  
937.50 SF + 3' WIDTH = 312.50 LF x 0.50 (REDUCUTION) = 156.25 LF MIN.  
**USE 2 78.13' LONG TRENCHES = 156.25 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 72" GRAVEL BELOW PIPE  
10' MIN. SPACING BETWEEN TRENCH EDGES  
937.50 SF + 3' WIDTH = 312.50 LF x 0.50 (REDUCUTION) = 156.25 LF MIN.  
**USE 2 78.13' LONG TRENCHES = 156.25 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 (REDUCUTION) = 156.25 LF MIN.  
**USE 2 78.13' LONG TRENCHES = 156.25 LF**



**SOILS LEGEND**

SOIL	NAME	CLASS	Kw
Brd	BRINKLOW CHANNERY LOAM, 15 TO 25 PERCENT SLOPES	B	.20
GgA	GLENELG LOAM, 0 TO 3 PERCENT SLOPES	B	.20
GgB	GLENELG LOAM, 3 TO 8 PERCENT SLOPES	B	.20
GgC	GLENELG LOAM, 8 TO 15 PERCENT SLOPES	B	.20
*GmA	GLENVILLE SILT LOAM, 0 TO 3 PERCENT SLOPES	C	*** 37
*GmB	GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES	C	*** 37
*GnB	GLENVILLE-BAILE SILT LOAMS, 0 TO 8 PERCENT SLOPES	C	*** 37
MaC	MANOR LOAM, 8 TO 15 PERCENT SLOPES	B	.24

**NOTES:**

- \* HYDRIC SOILS AND / OR CONTAINS HYDRIC INCLUSIONS
- \*\* MAY CONTAIN HYDRIC INCLUSIONS
- \*\*\* DENOTES ERODIBLE SOILS

**WELL LOCATION CERTIFICATION:**

THE EXISTING WELL SHOWN FOR LOT 38 (TAG NO. HO-17-0131) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN HEREON.

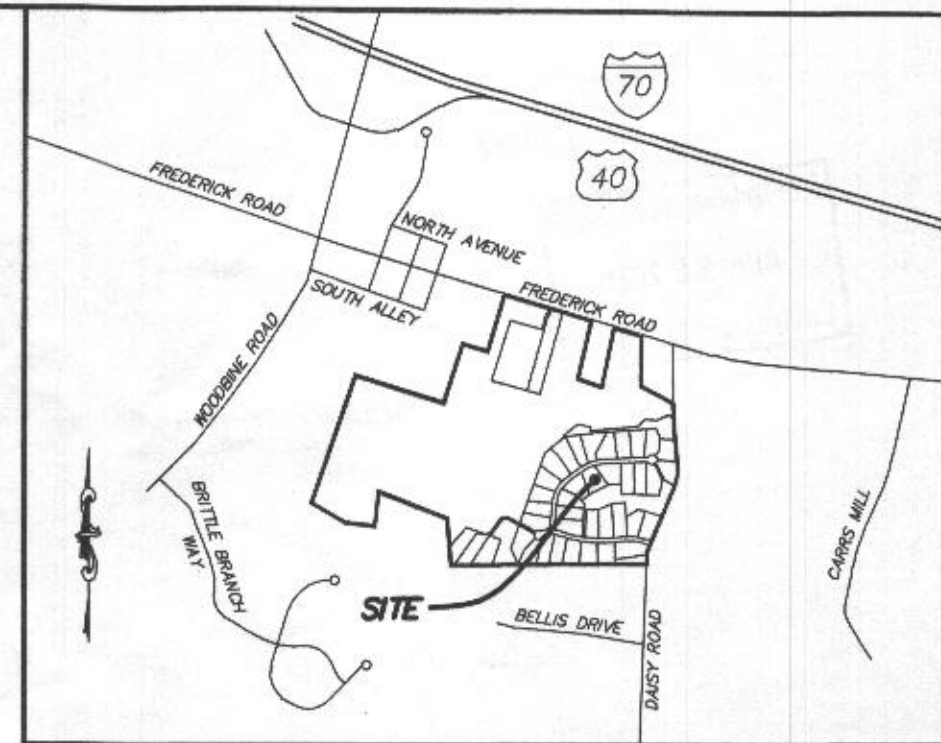
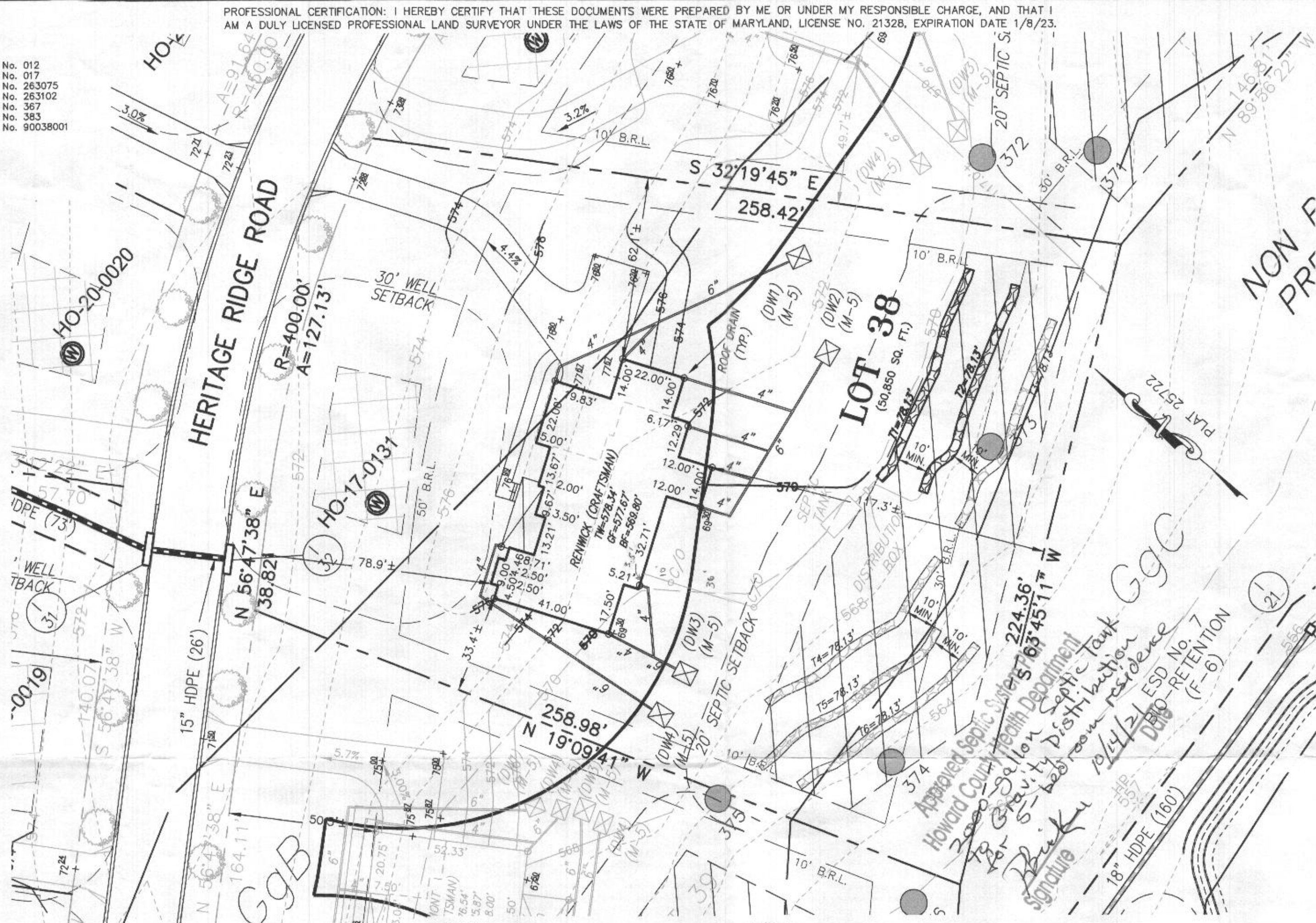
ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN  
**LOT 38  
LINDEN GROVE**  
LIBER 15899, FOLIO 246  
PLAT NO. 25722  
ELECTION DISTRICT No. 4  
HOWARD COUNTY, MARYLAND  
ADDRESS: 1424 HERITAGE RIDGE ROAD  
WOODBINE, MARYLAND 21797

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

DATE: 08/12/2021 SCALE: 1" = 30' FILE: OSDS LOT 38  
CHK'D: M.J.B. JOB NO: 4683 DRAWN: V.X.P.

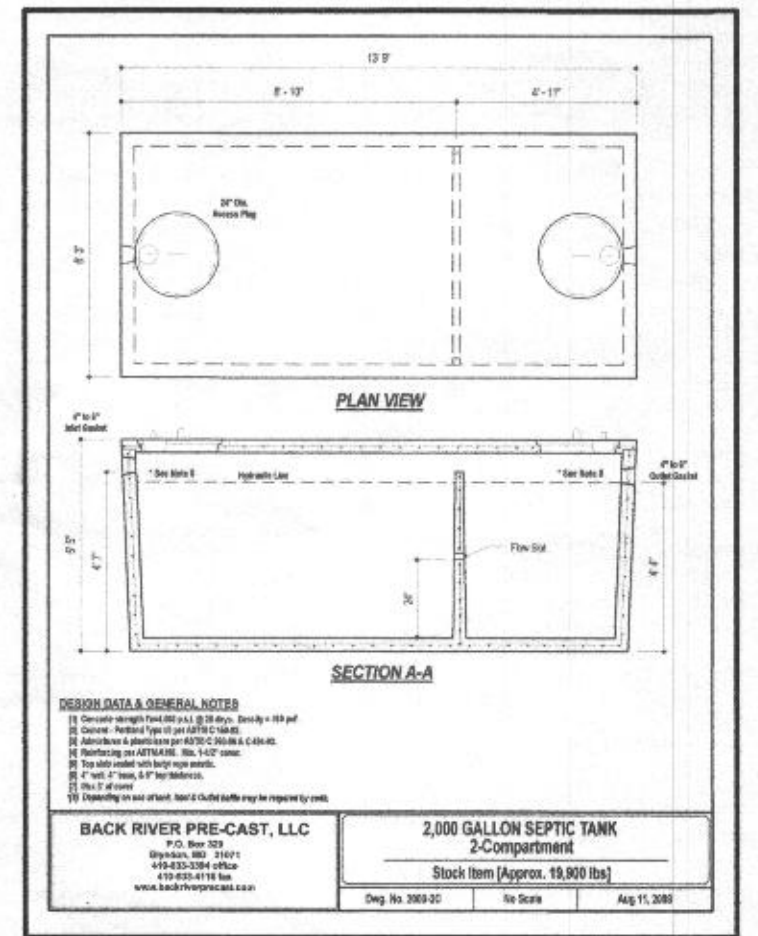
PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21328, EXPIRATION DATE 1/8/23.



VICINITY MAP  
1" = 1000'

**GENERAL NOTES:**

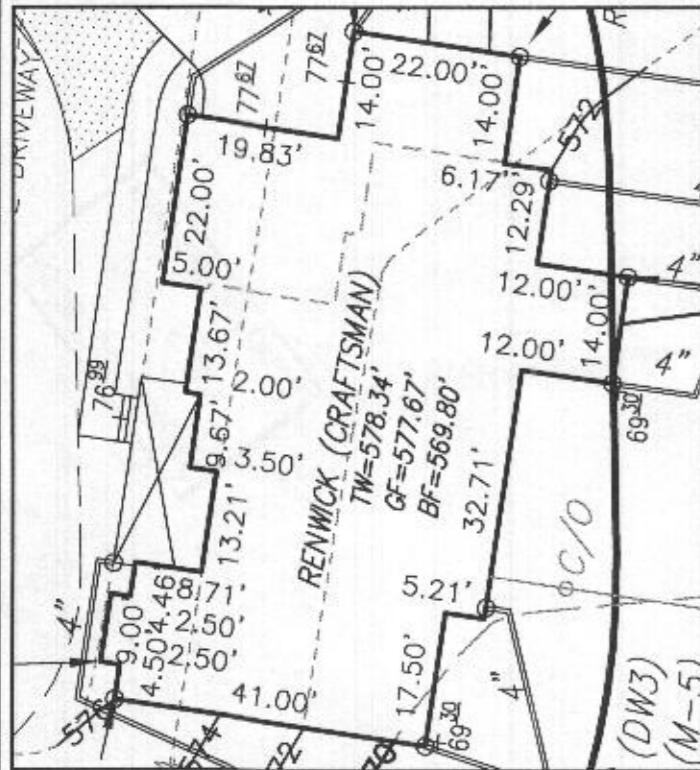
- THESE AREAS DESIGNATE A PRIVATE SEWAGE AREA OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE AREAS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS 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.



**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
- SILT FENCE
- SUPER SILT FENCE
- SCE STONE CONSTRUCTION ENTRANCE
- ▨ SEWAGE DISPOSAL AREA
- ▩ WELL BOX AREA
- PROPOSED TREE
- PROPOSED TREE
- PROPOSED TREE

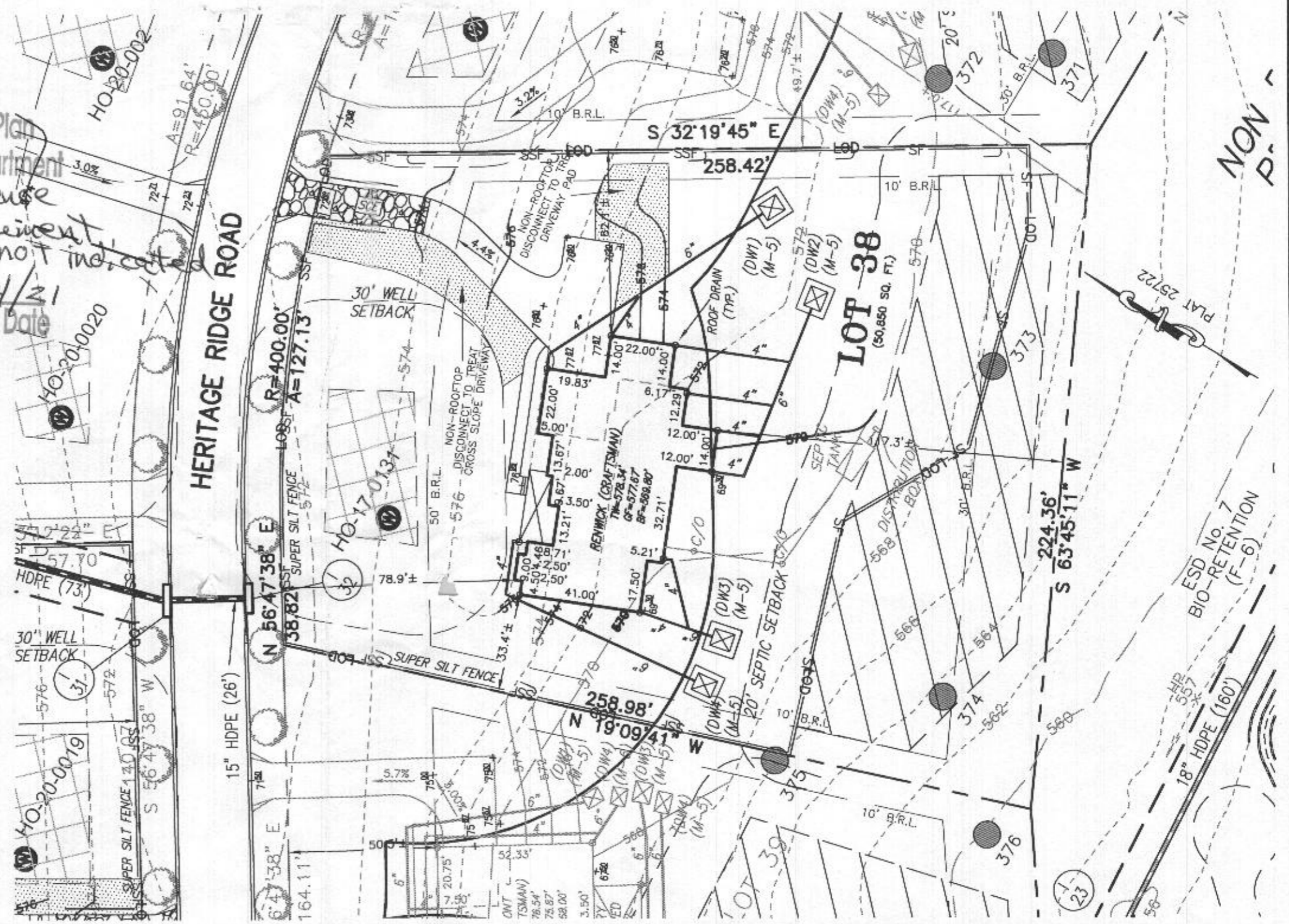
NOTE:  
TOTAL LIMITS OF DISTURBANCE (LOD) = 40,316 SQ. FT.



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.

Approved Septic System Plan  
Howard County Health Department  
5-bedroom residence  
w/ unfinished basement  
rough-in plumbing not indicated  
*Brinker*  
Signature 10/14/21 Date  
B21003177



**HOUSE TYPE: RENWICK (CRAFTSMAN)**

- |  |                     |
|--|---------------------|
| TWO CAR SIDE ENTRY GARAGE                  | OPTION No. 012      |
| WALK-OUT BASEMENT                          | OPTION No. 017      |
| GRAND MULT-GENERATIONAL SUITE ADDITION     | OPTION No. 263075   |
| ADDITIONAL ONE CAR FRONT ENTRY GARAGE      | OPTION No. 263102   |
| ADDITIONAL BATH                            | OPTION No. 367      |
| DOUBLE WIDE TAIL IN REAR OF STANDARD DRIVE | OPTION No. 383      |
| WET BAR ROUGH- MORNING KITCHEN, MUDROOM    | OPTION No. 90038001 |

WELL NUMBER: HO-17-0131  
ADDRESS: 1424 HERITAGE RIDGE ROAD  
WOODBINE, MD 21797

PLOT PLAN  
LOT 38  
**LINDEN GROVE**  
LIBER 15899, FOLIO 246  
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T: 410-872-9105

DATE: 08/11/2021 SCALE: 1" = 40' FILE: PP LOT 38 RENWICK CRAFTSMAN  
CHK'D: M.J.B. JOB NO: 4683 DRAWN: V.X.P.

