



**Howard County  
Health Department**

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](http://www.hchealth.org)

Facebook: [www.facebook.com/hocohealth](https://www.facebook.com/hocohealth)

RECEIPT DATE: 10-28-21 **ONSITE SEWAGE DISPOSAL SYSTEM**

P 570227

APPROVAL DATE: 2/10/22 (SP) **PERMIT: CONSTRUCTION**

A \_\_\_\_\_

PROPERTY ADDRESS: 6022 BRICKER ROAD, DAYTON, MD 21036

SUBDIVISION: WILLOWSHIRE

LOT: 15 TAX ID: 03-603003

CONTRACTOR: CHAVIS ENTERPRISES & SEPTIC SERVICES

EMAIL: Ryan@chavisenterprisesllc.com

CONTRACTOR ADDRESS: 23 EAST ELLENDALE, BEL AIR, MD 21014

PHONE: (410)838-3007

PROPERTY OWNER: TOLL MID-ATLANTIC LP COMPANY, INC

EMAIL: Sriley1@tollbrothers.com

OWNER ADDRESS: 250 GIBRALTER ROAD, HORSHAM, PA 19044

PHONE: (410)872-9165

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:  GRAVITY  PRESSURE DOSED BEDROOMS: 6 APPLICATION RATE: 1.2

TRENCHES:	LINEAR FEET REQUIRED: <u>90</u>	INLET DEPTH: <u>3.0</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>8.0</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>13</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>3.0</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:	INSTALL AT LEAST FIRST TWO (2) CLEANOUTS IN SHC. SET DISTRIBUTION BOX AT BEGINNING OF TRENCH	

ISSUED BY: R BRICKER

ISSUE DATE: 11-18-21

EXPIRATION DATE: 10-28-22

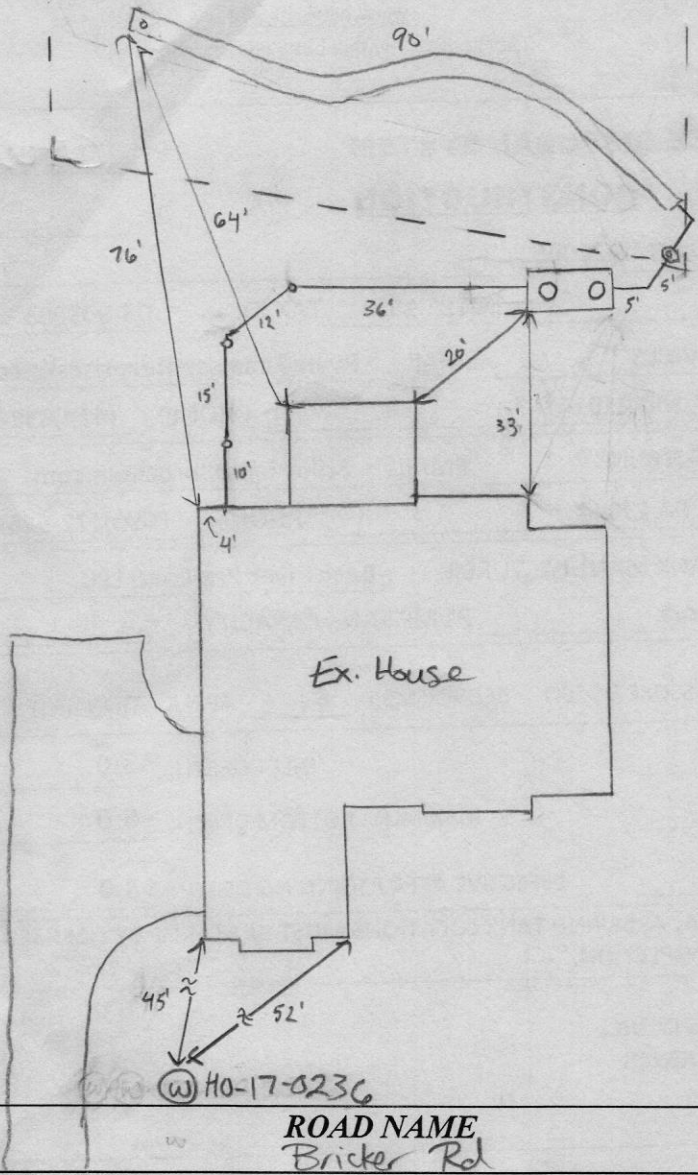
- NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION
- NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING
- NOTE: STONE MUST BE APPROVED BY HEALTH DEPARTMENT AND GRAVEL TICKET MUST BE AVAILABLE FOR REVIEW.
- 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.**

6022 Bricker Rd

1" x 30'

NOT TO SCALE



**TRENCH/DRAINFIELD DATA**

WIDTH	INLET	BOTTOM
3'	3'	8'
NUMBER OF TRENCHES		1
TOTAL LENGTH		90'
ABSORPTION AREA		270 sq ft
DISTRIBUTION BOX LEVEL		N/A
DISTRIBUTION BOX BAFFLE		cement
DISTRIBUTION BOX PORT		PVC

**SEPTIC TANK DATA**

SEPTIC TANK I LEVEL \_\_\_\_\_

MANUFACTURER Babylon

CAPACITY 2000 GAL

SEAM LOC top

TANK LID DEPTH 1'

BAFFLES inlet + outlet

BAFFLE FILTER \_\_\_\_\_

MANHOLE LOC inlet + outlet

6" PORT LOC \_\_\_\_\_

WATERTIGHT TEST \_\_\_\_\_

SLOTTED yes

DATE ON LID 11-1-21

**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 \_\_\_\_\_

**PRE-CONSTRUCTION:**

12/7/21 1x90' trench was staked out on contour according to plan. Tank location staked. (SP)

**INSTALLATION:**

12/10/21 SHC, SL constructed, tank set, d-box set. 1x90' trench installed. Re-insp for baffles. (SP) 2/10/22 Baffles present (SP)

FINAL INSPECTOR

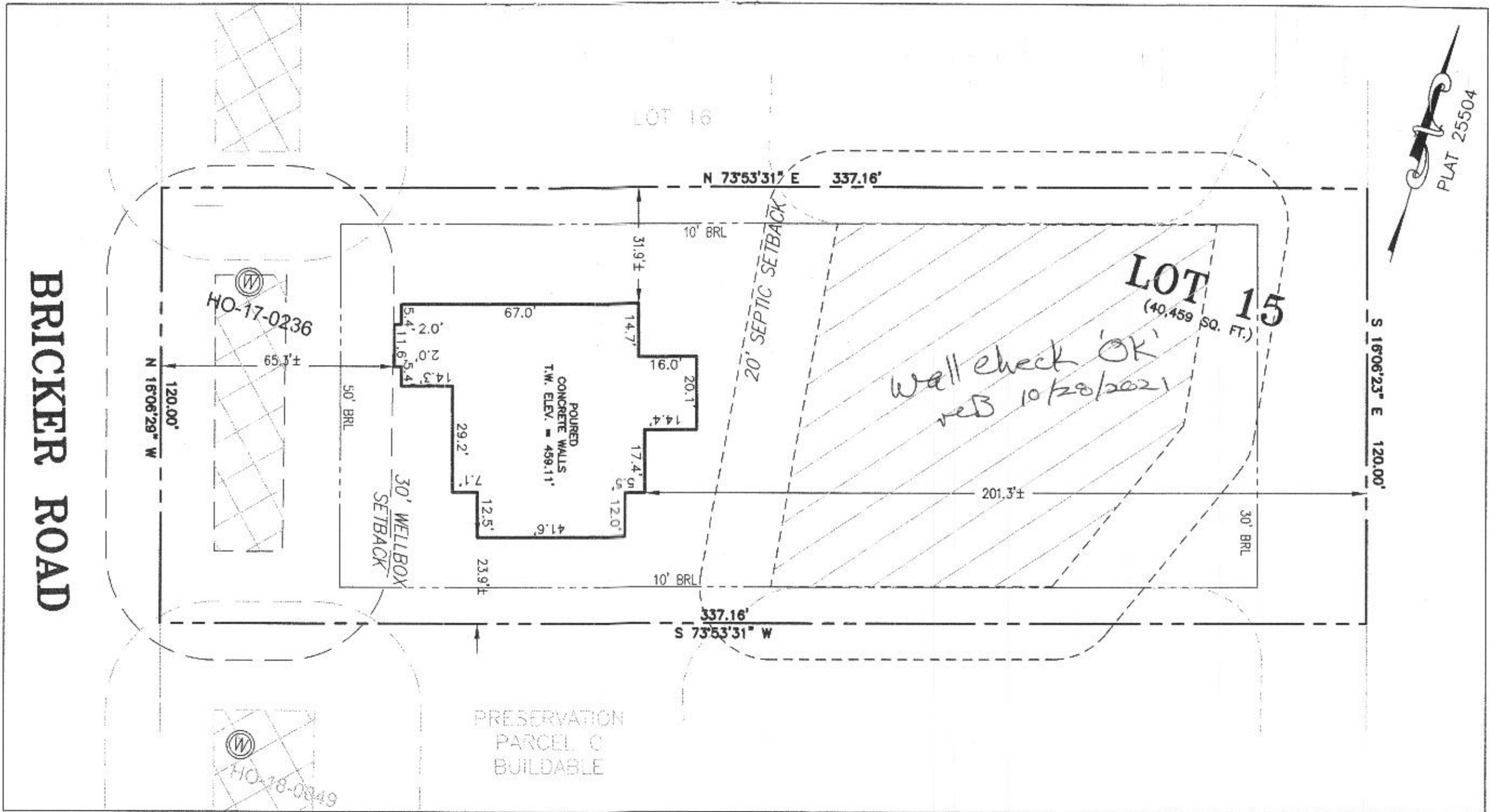
Susan Thomas

DATE OF APPROVAL

2/10/22

**LEGEND:**

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



WELL NUMBER: HO-17-0236  
 ADDRESS: 6022 BRICKER ROAD  
 DAYTON, MD 21036  
 PERMIT No.: B21001466

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.

*Michael Joe Boyce* 21328 10/21/21  
 SIGNATURE: MICHAEL JOE BOYCE MD. LIC NO. DATE

WALLCHECK  
 LOT 15  
**WILLOWSHIRE**  
 LIBER 18479, FOLIO 296  
 PLAT NO. 25504  
 5th 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

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DATE: 10/21/2021 SCALE: 1" = 30' FILE: WC LOT 15  
 CHK'D: M.J.B. JOB NO: 4520 DRAWN: V.X.P.



**HOUSE OPTIONS:**

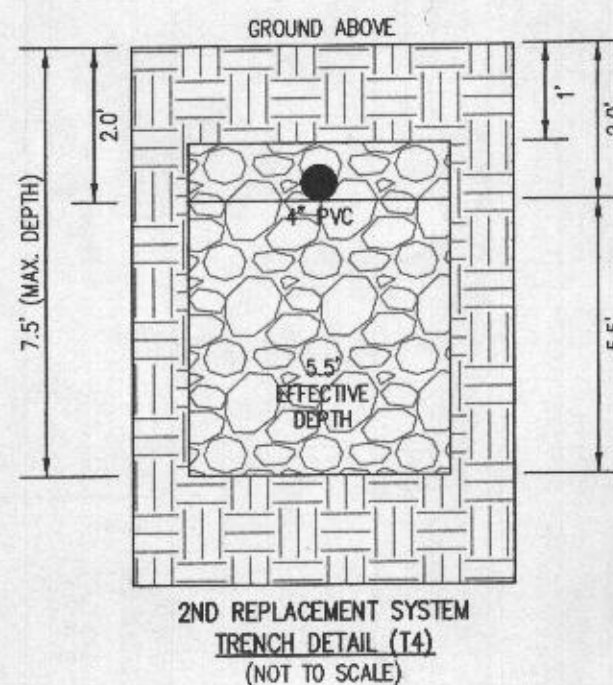
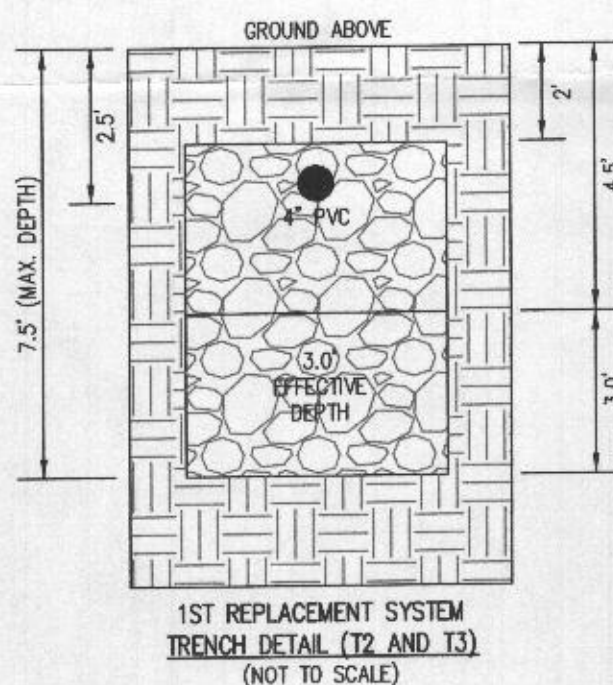
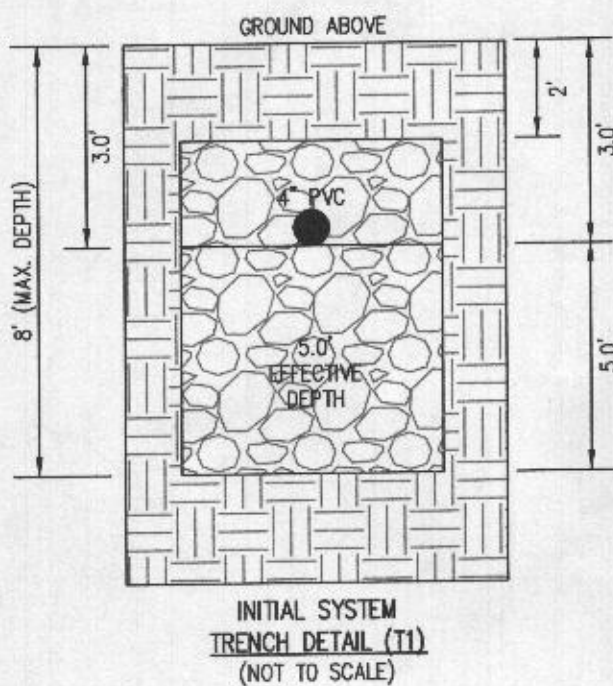
HOUSE TYPE: RIDGEVIEW (MODERN FARMHOUSE)

- THREE CAR SIDE ENTRY GARAGE
- DAYLIGHT BASEMENT
- ADDITIONAL SINGLE WINDOW
- ADDITIONAL BATH
- LUXURY OUTDOOR LIVING SPACE
- DOUBLE WIDE DRIVEWAY TAIL

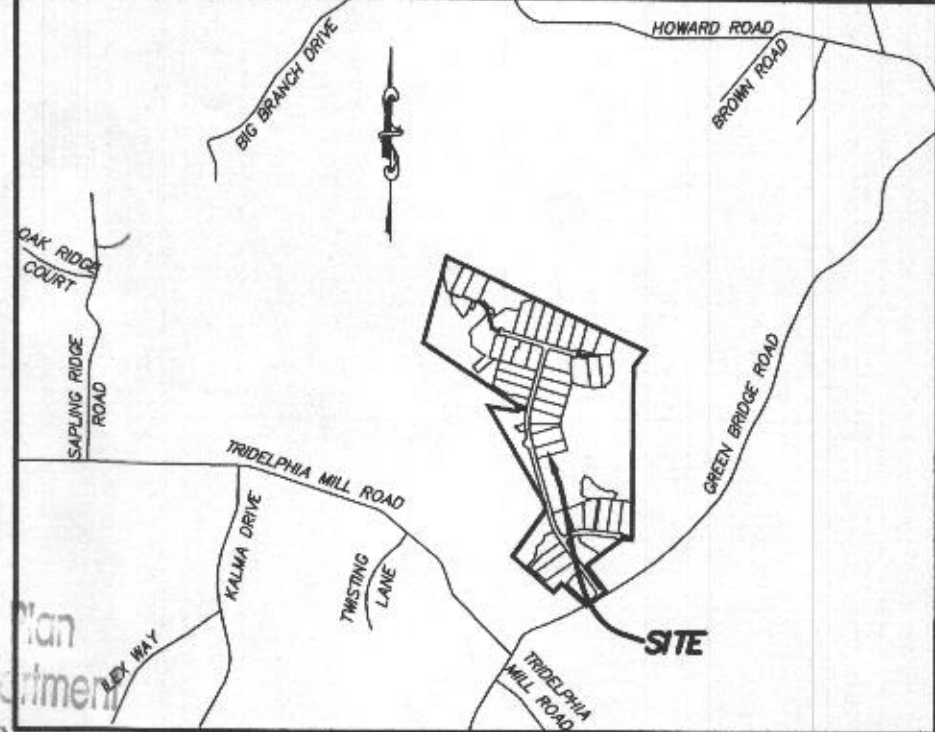
- OPTION NO. 001
- OPTION NO. 018
- OPTION NO. 187
- OPTION NO. 367
- OPTION NO. 263165
- OPTION NO. 90015004

**INITIAL TRENCH DATA**

BOTTOM MAX. DEPTH (8')  
 TRENCH 1 (T1): 90.00 LF.  
 GROUND ABOVE = 456.30'  
 INV. IN = 453.30'  
 BOTTOM TRENCH = 448.30'



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.



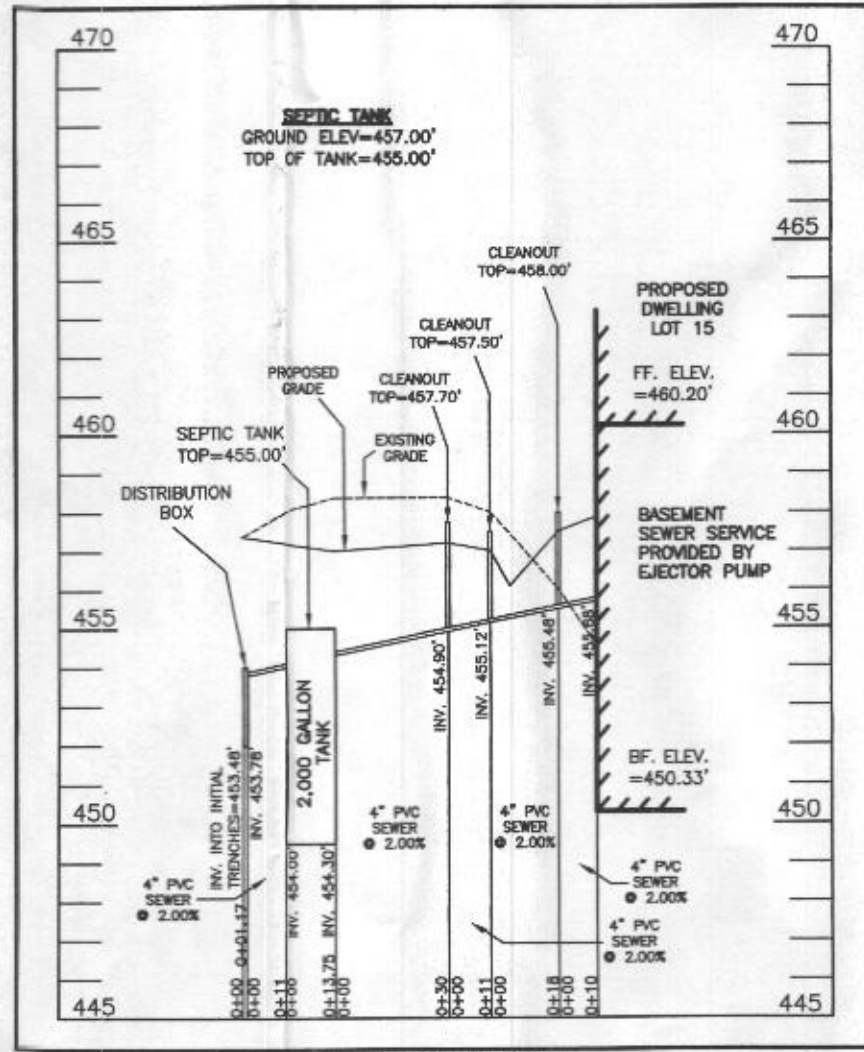
- GENERAL NOTES:**
1. THESE AREAS DESIGNATE A PRIVATE SEWAGE AREA OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE AREAS SHALL BECOME NULL 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.
  11. THE EXISTING TOPOGRAPHY SHOWN HEREON IS FROM HOWARD COUNTY GIS AND A TOPOGRAPHIC SURVEY PREPARED BY BOHLER ENGINEERING ON 08/25/15 AND REVISED ON 09/03/15.

**SOILS LEGEND**

SOIL	NAME	CLASS	Kw
GoB	GLENVILLE-CODORUS SILT LOAMS, 0 TO 8 PERCENT SLOPES	C	.43
MaC	MANOR LOAM, 8 TO 15 PERCENT SLOPES	B	.28
MaD	MANOR LOAM, 15 TO 25 PERCENT SLOPES	B	.28

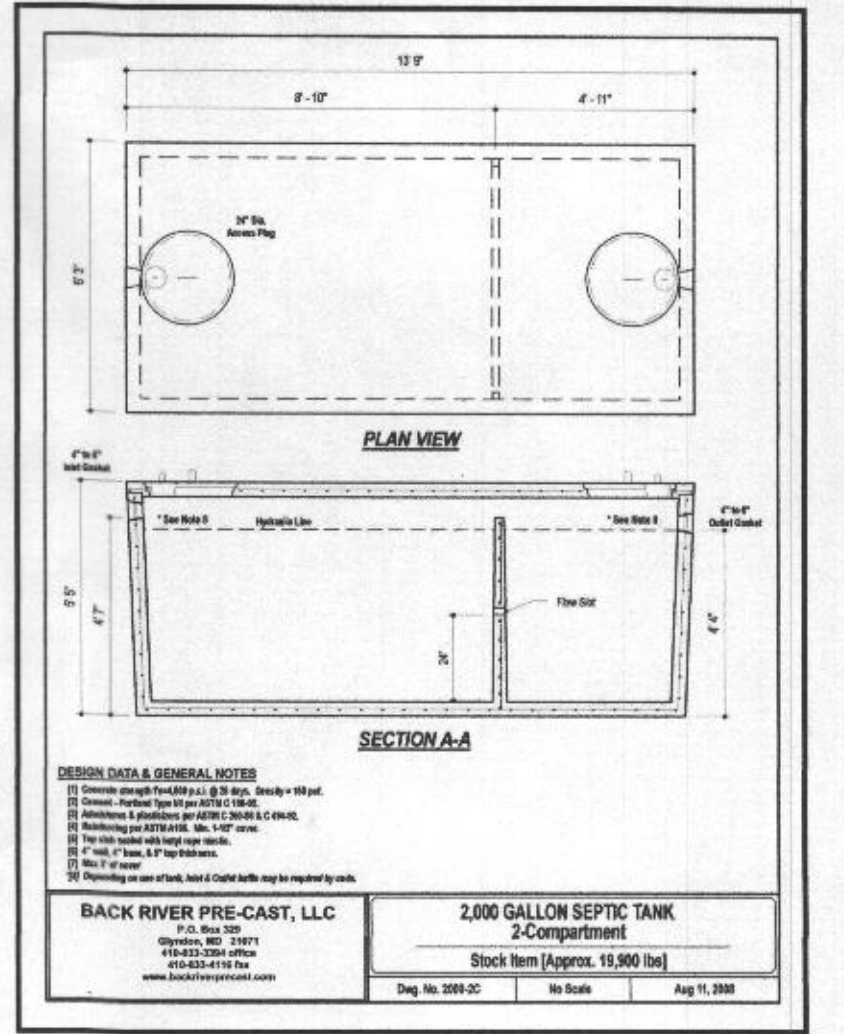
**SEWAGE DISPOSAL SYSTEM DATA (6 BORM)**

- PROPOSED INVERT AT FOUNDATION WALL: 455.68'
1. EX. GRADE OVER TANK: 458.00'  
 PROPOSED GRADE OVER TANK: 457.00'  
 INVERT IN: 454.30' INVERT OUT: 454.00'
  2. DISTRIBUTION BOX  
 EXISTING GRADE OVER TANK: 457.40'  
 PROPOSED GRADE OVER TANK: 457.40'  
 INVERT IN: 453.78' INVERT OUT: 453.48'
  3. INITIAL TRENCH DESIGN (6 BORM x 150 GPD/BORM = 900 GPD)  
 900 GPD ÷ 1.2 APP. RATE = 750 SF  
 USE 3" WIDE TRENCH WITH 60" GRAVEL BELOW PIPE  
 13" MIN. SPACING BETWEEN TRENCH EDGES  
 750 SF ÷ 3" WIDTH = 250 LF x 0.36 (SIDEWALL REDUCTION) = 90 LF MIN.  
 USE 1 90' LONG TRENCHES = 90 LF
  4. 1ST REPLACEMENT TRENCH DESIGN (6 BORM x 50 GPD/BORM = 900 GPD)  
 900 GPD ÷ 1.2 APP. RATE = 750 SF  
 USE 3" WIDE TRENCH WITH 60" GRAVEL BELOW PIPE  
 10" MIN. SPACING BETWEEN TRENCH EDGES  
 750 SF ÷ 3" WIDTH = 250 LF x 0.50 (SIDEWALL REDUCTION) = 125 LF MIN.  
 USE 2 62.50' LONG TRENCHES = 125 LF
  5. 2ND REPLACEMENT TRENCH DESIGN (6 BORM x 150 GPD/BORM = 900 GPD)  
 900 GPD ÷ 1.2 APP. RATE = 750 SF  
 USE 3" WIDE TRENCH WITH 66" GRAVEL BELOW PIPE  
 14" MIN. SPACING BETWEEN TRENCH EDGES  
 750 SF ÷ 3" WIDTH = 250 LF x 0.33 (SIDEWALL REDUCTION) = 82.50 LF MIN.  
 USE 1 82.50' LONG TRENCHES = 82.50 LF



**WELL LOCATION CERTIFICATION:**  
 THE EXISTING WELL SHOWN FOR LOT 16 (TAG NO. HO-17-0236) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN HEREON.

ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN  
 LOT 15  
**WILLOWSHIRE**  
 LIBER 18479, FOLIO 296  
 PLAT NO. 25504  
 ELECTION DISTRICT NO. 5  
 HOWARD COUNTY, MARYLAND  
 ADDRESS: 6022 BRICKER ROAD  
 DAYTON, MARYLAND 21036



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DATE: 04/15/2021 SCALE: 1" = 30' FILE: OSDS LOT 15  
 CHK'D: M.J.B. JOB NO: 4520 DRAWN: R.C.K.