

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: 2/8/22 **ONSITE SEWAGE DISPOSAL SYSTEM** P 570947

APPROVAL DATE: 3/22/22 **PERMIT: CONSTRUCTION** A _____

PROPERTY ADDRESS: 6042 Bricker Rd Dayton, MD 21036

SUBDIVISION: Willowshire LOT: 19 TAX ID: 05603007

CONTRACTOR: Cheris Ent. EMAIL: _____

CONTRACTOR ADDRESS: _____ PHONE: _____

PROPERTY OWNER: Elm Street Development EMAIL: _____

OWNER ADDRESS: _____ PHONE: _____

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>2</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>8</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>13</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>3</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:		

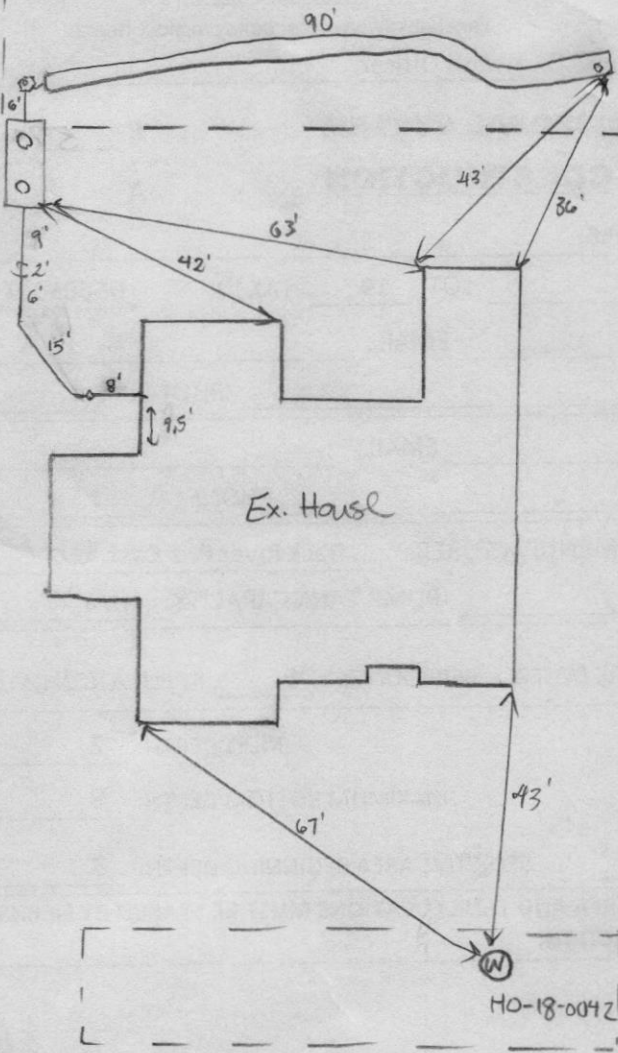
ISSUED BY: Robert Freemon ISSUE DATE: 2/8/22 EXPIRATION DATE: 2/8/23

- 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.

6042 Bricker Rd

NOT TO SCALE 1"=30'



ROAD NAME
Bricker Rd

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3'	2'	8'
NUMBER OF TRENCHES		1
TOTAL LENGTH		90'
ABSORPTION AREA		270 sq ft + sidewalk
DISTRIBUTION BOX LEVEL		N/A
DISTRIBUTION BOX BAFFLE		Cement
DISTRIBUTION BOX PORT		PVC

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL	yes
MANUFACTURER	Bartriver
CAPACITY	2000 GAL
SEAM LOC	top
TANK LID DEPTH	3'-1'
BAFFLES	inlet + outlet
BAFFLE FILTER	-
MANHOLE LOC	inlet + outlet
6" PORT LOC	-
WATERTIGHT TEST	-
SLOTTED	yes
DATE ON LID	03-07-22
PUMP/SEPTIC TANK LEVEL	
MANUFACTURER	
CAPACITY	
SEAM LOC	
TANK LID DEPTH	
BAFFLES	
BAFFLE FILTER	
MANHOLE LOC	
6" PORT LOC	
WATERTIGHT TEST	
SLOTTED	
DATE ON LID	

PRE-CONSTRUCTION:

3/4/22 1x90' trench staked out on contour according to plan. SHC in basement is in expected location. Good amount of fall to tank. (ST)

INSTALLATION:

3/21/22 SHC done and SL partially constructed. (SP) 3/22/22 Tank set and d-box set. 1x90' trench installed. During construction contractor found that the contour was a bit off but kept the bottom level. Perc notes confirm that going a foot deeper still allows for 4' treatment. (SP)

FINAL INSPECTOR

Susan Thomas

DATE OF APPROVAL

3/22/22

HOUSE OPTIONS:

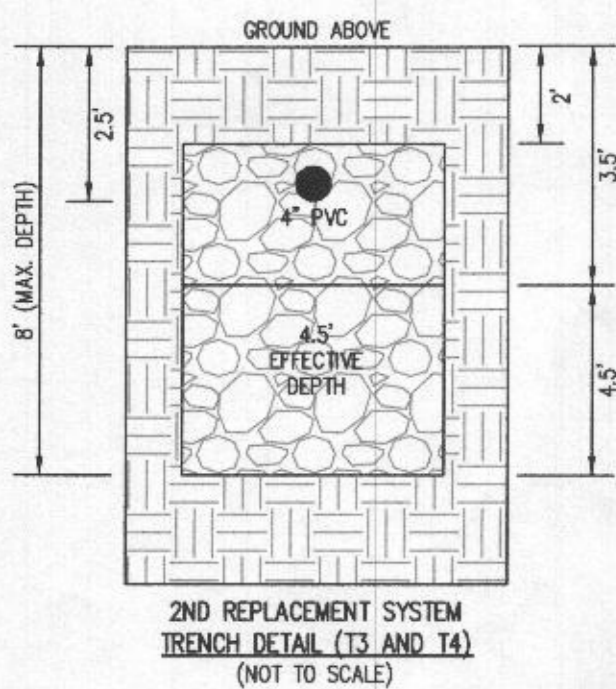
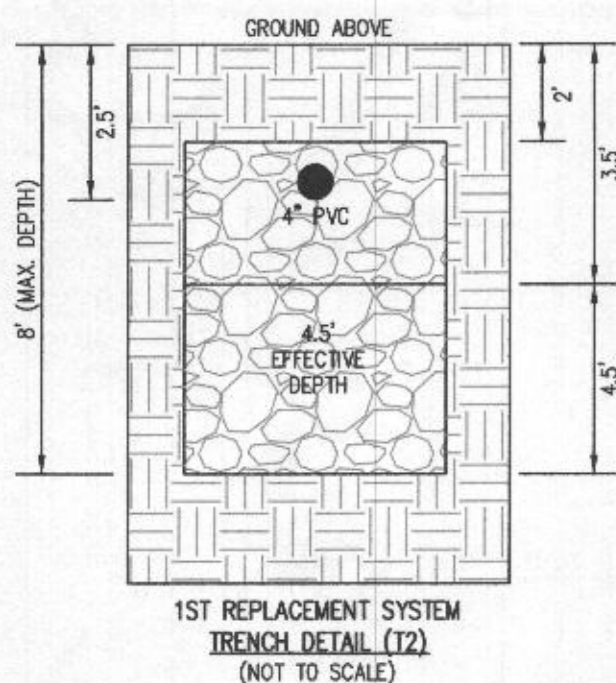
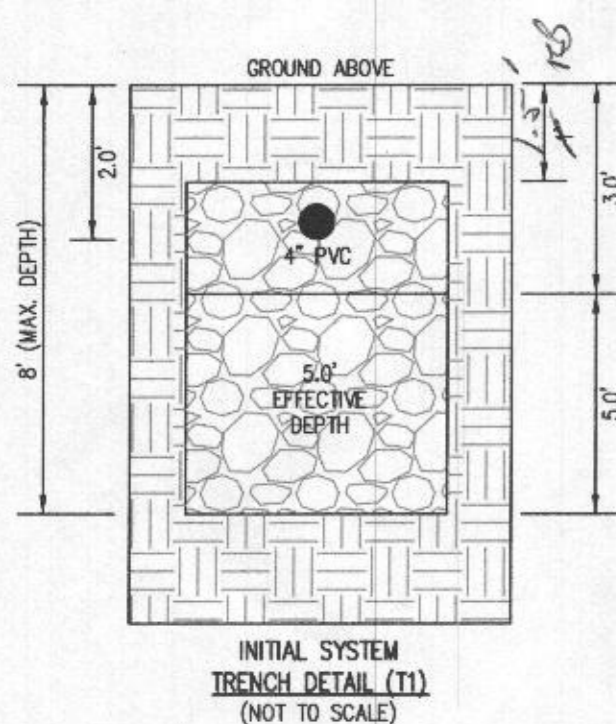
HOUSE TYPE: PARKHURST (MODERN FARMHOUSE)

- TWO CAR SIDE ENTRY GARAGE
- DAYLIGHT BASEMENT
- DAYLIGHT WINDOW/WELL IN BASEMENT
- SINGLE DRIVEWAY TAIL
- MULTI-GENERATIONAL SUITE ADDITION
- ADDITIONAL 1 CAR FRONT ENTRY GARAGE (14')
- LUXURY OUTDOOR LIVING

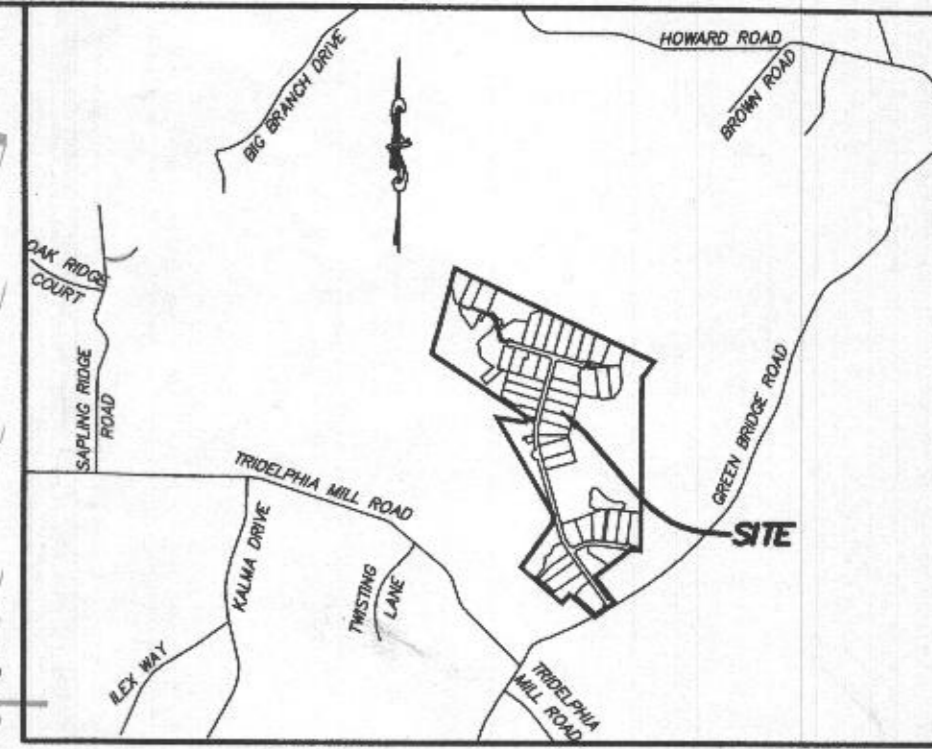
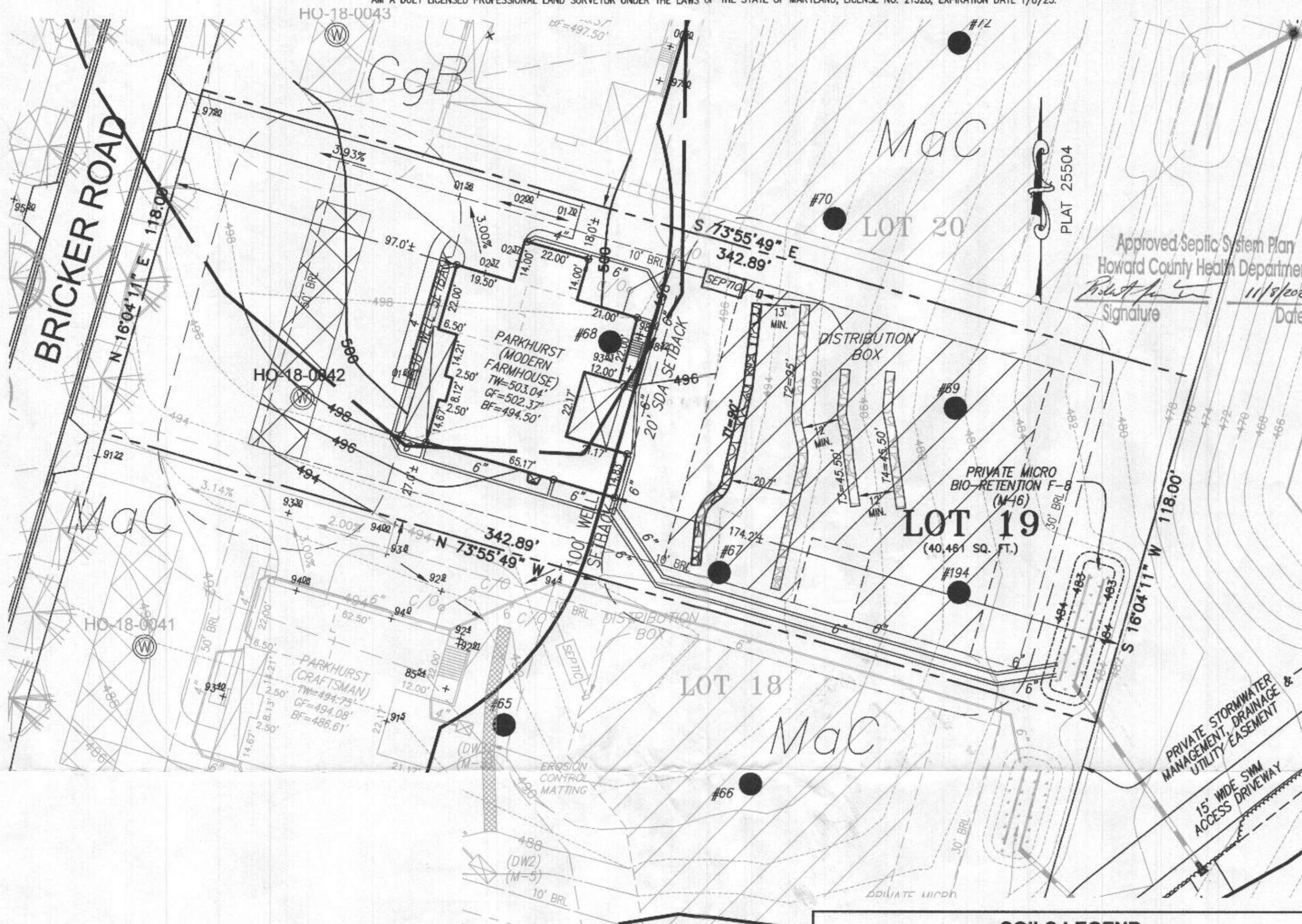
- OPTION No. 012
- OPTION No. 018
- OPTION No. 543
- OPTION No. 852
- OPTION No. 263073
- OPTION No. 263102
- OPTION No. 263165

INITIAL TRENCH DATA:

BOTTOM MAX. DEPTH (8')
 TRENCH 1 (T1): 90 LF.
 GROUND ABOVE = 494.80'
 INV. IN = 492.80'
 BOTTOM TRENCH = 486.80'



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" = 2000'
 TAX MAP 27, GRID 18

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
GgB	GLENELG LOAM, 3 TO 8 PERCENT SLOPES	B	.28
MaC	MANOR LOAM, 8 TO 15 PERCENT SLOPES	B	.28

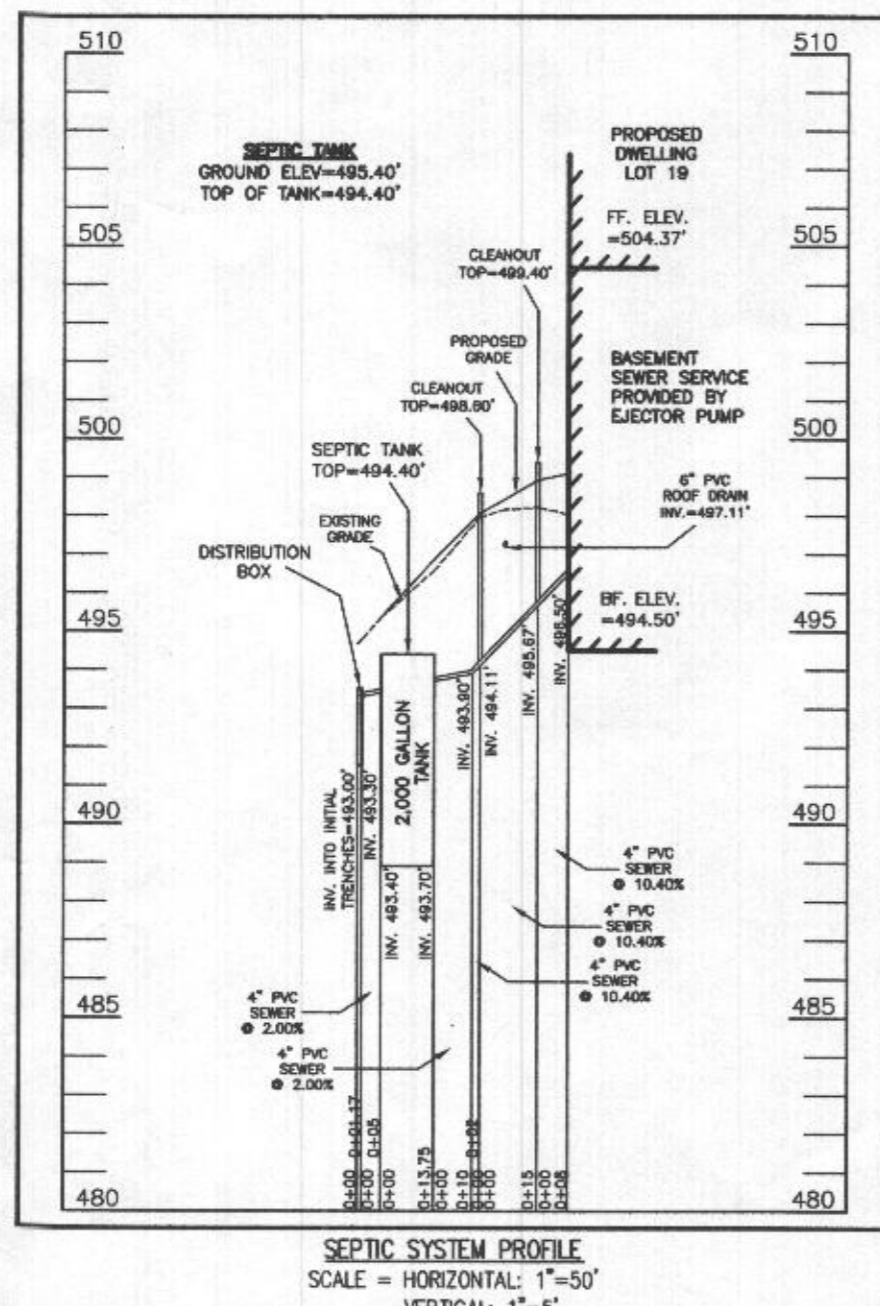
LEGEND:

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



SEWAGE DISPOSAL SYSTEM DATA (6 BDRM):

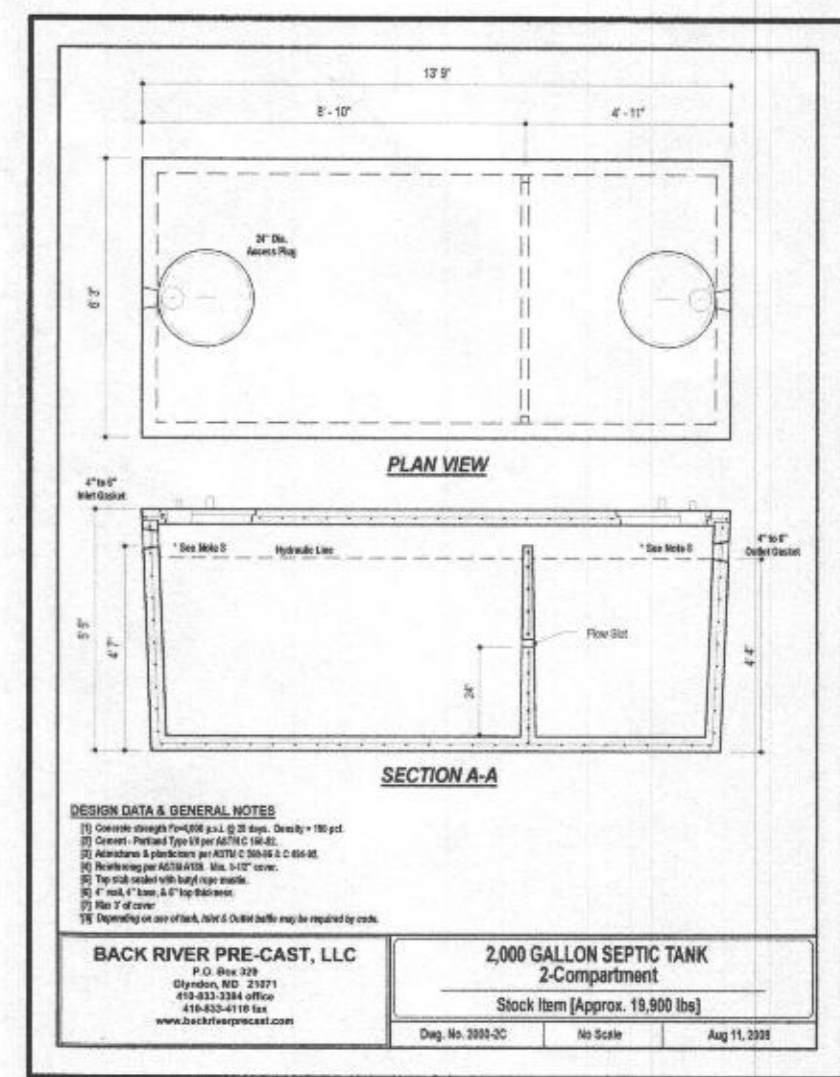
- PROPOSED INVERT AT FOUNDATION WALL: 496.50'
1. EX. GRADE OVER TANK: 495.40'
 PROPOSED GRADE OVER TANK: 495.50'
 INVERT IN: 493.70' INVERT OUT: 493.40'
 2. DISTRIBUTION BOX
 EXISTING GRADE OVER TANK: 494.70'
 PROPOSED GRADE OVER TANK: 494.70'
 INVERT IN: 493.30' INVERT OUT: 493.00'
 3. INITIAL TRENCH DESIGN (6 BDRM x 150 GPD/BDRM = 900 GPD)
 900 GPD ÷ 1.2 APP. RATE = 750 SF
 USE 3' WIDE TRENCH WITH 72" 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 BDRM x 150 GPD/BDRM = 900 GPD)
 900 GPD ÷ 1.2 APP. RATE = 750 SF
 USE 3' WIDE TRENCH WITH 66" GRAVEL BELOW PIPE
 12' MIN. SPACING BETWEEN TRENCH EDGES
 750 SF ÷ 3' WIDTH = 250 LF x 0.38 (SIDEWALL REDUCTION) = 95 LF MIN.
 USE 1 95' LONG TRENCHES = 95 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 66" GRAVEL BELOW PIPE
 12' MIN. SPACING BETWEEN TRENCH EDGES
 750 SF ÷ 3' WIDTH = 250 LF x 0.38 (SIDEWALL REDUCTION) = 95 LF MIN.
 USE 2 47.5' LONG TRENCHES = 95 LF



WELL LOCATION CERTIFICATION:

THE EXISTING WELL SHOWN FOR LOT 19 (TAG NO. HO-18-0042) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN HEREON.

ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN
LOT 19 WILLOWSHIRE
 LIBER 18479, FOLIO 296
 PLAT NO. 25504
 ELECTION DISTRICT No. 5
 HOWARD COUNTY, MARYLAND
 ADDRESS: 6042 BRICKER ROAD
 DAYTON, MARYLAND 21036



DESIGN DATA & GENERAL NOTES:

BACK RIVER PRE-CAST, LLC
 2,000 GALLON SEPTIC TANK
 2-Compartment
 Stock Item (Approx. 19,900 lbs.)

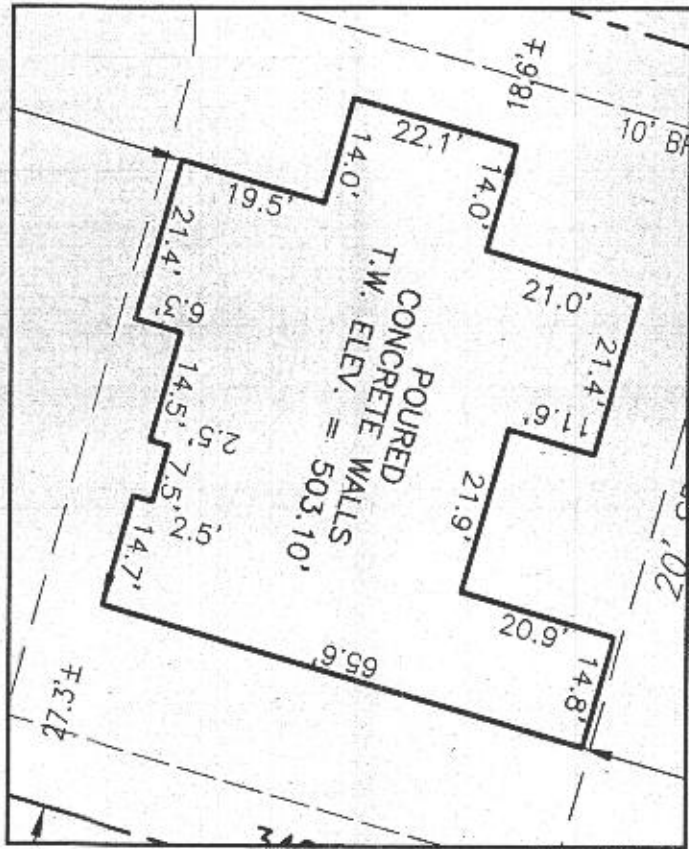
ESE CONSULTANTS
 ENGINEERING • PLANNING • SURVEYING • ENVIRONMENTAL

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

DATE: 09/30/2021 SCALE: 1" = 30' FILE: OSDS LOT 19
 CHK'D: M.J.B. JOB NO: 4520 DRAWN: R.C.K.

LEGEND:

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

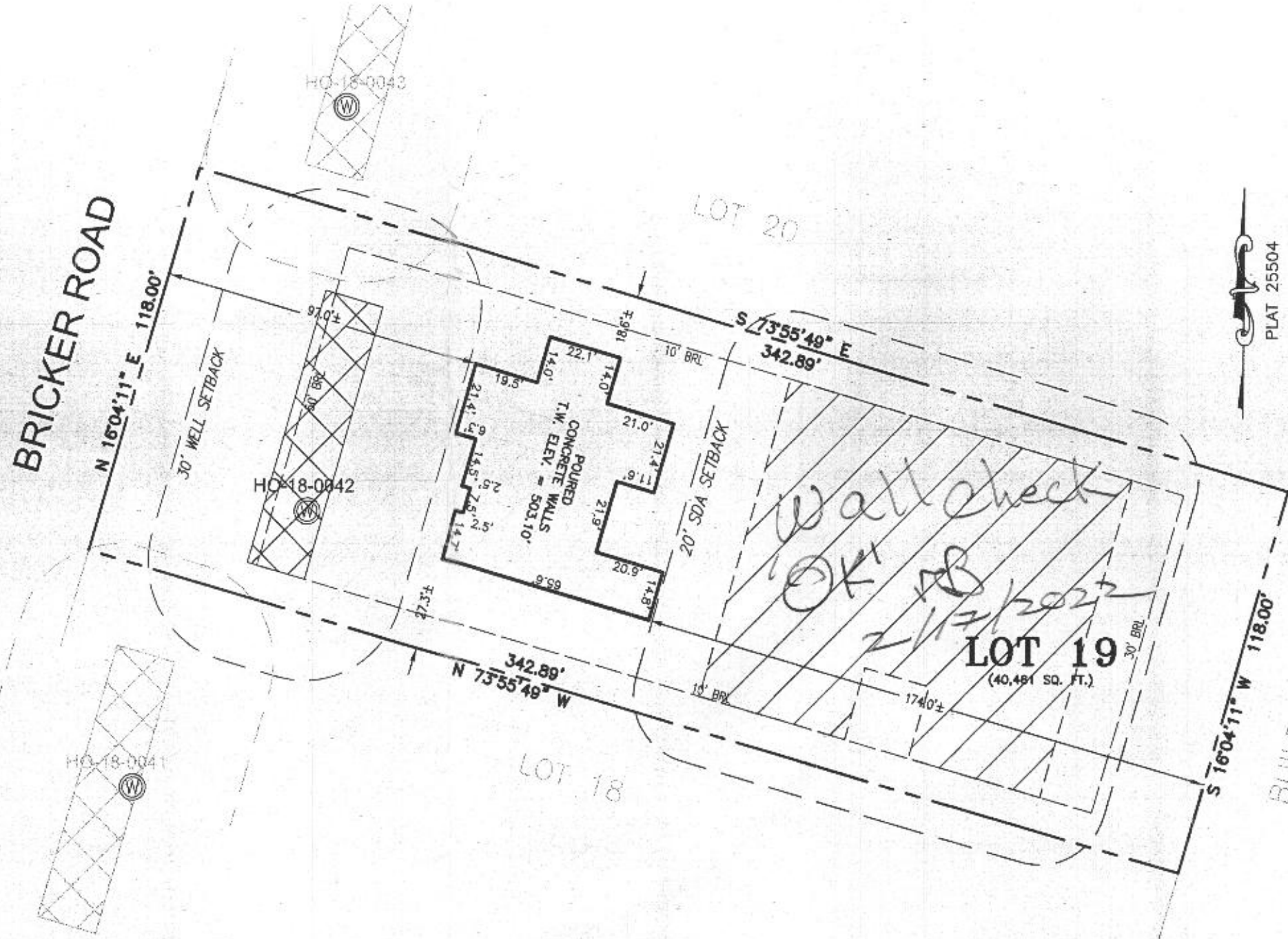


HOUSE ENLARGEMENT
NOT TO SCALE

WELL NUMBER: HO-18-0042
 ADDRESS: 6042 BRICKER ROAD
 DAYTON, MD 21036
 PERMIT No.: B21003935

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

BRICKER ROAD



PLAT 25504

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.



SIGNATURE: MICHAEL JOE BOYCE 21328 01/28/22
 MO. LIC NO. DATE

WALLCHECK
 LOT 19
WILLOWSHIRE
 LIBER 18479, FOLIO 296
 PLAT NO. 25504
 5th ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

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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: 01/28/2022 SCALE: 1" = 40' FILE: WC LOT 19
 CHK'D: M.J.B. JOB NO: 4520 DRAWN: V.X.P.