

8930 Stanford Boulevard, Columbia, MD 21045
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 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: 8-8-22 **ONSITE SEWAGE DISPOSAL SYSTEM** P 572127

APPROVAL DATE: 11/1/22 **PERMIT: CONSTRUCTION** A _____

PROPERTY ADDRESS: 7004. Colt Place

SUBDIVISION: Willowshire LOT: 27 TAX ID: _____

CONTRACTOR: Chris Enterprises EMAIL: _____

CONTRACTOR ADDRESS: 346 Byron Rd, Forest Hill, MD 21050 PHONE: 410-838-1200

PROPERTY OWNER: Toll Mid Atlantic EMAIL: _____

OWNER ADDRESS: 250 Gilbraiter Rd PHONE: _____

SEPTIC TANK SIZE (GALLONS): 2,000 TANK MANUFACTURER: Balk River

PUMP MODEL: _____ PUMP SIZE _____ PUMP TANK CAPACITY: _____

DISTRIBUTION SYSTEM: GRAVITY PRESSURE DOSED BEDROOMS: 6 APPLICATION RATE: 0.8

TRENCHES:	LINEAR FEET REQUIRED: <u>142.50 LF</u>	INLET DEPTH: <u>3.5</u> <u>3.67</u> <u>4.3</u>
	TRENCH WIDTH: <u>3'</u>	MAXIMUM BOTTOM DEPTH: <u>8-9"</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>12'</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>3.5</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: Hank Oswald ISSUE DATE: 8-9-22 EXPIRATION DATE: 8-8-23

- 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 DOWNGRAIENT 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 [Signature]
- 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

TRENCH/DRAINFIELD DATA

WIDTH 3' INLET 4.3' BOTTOM 8'9"

NUMBER OF TRENCHES 2

TOTAL LENGTH 144'

ABSORPTION AREA 432 sqft + Sidewall

DISTRIBUTION BOX LEVEL yes

DISTRIBUTION BOX BAFFLE yes

DISTRIBUTION BOX PORT yes

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL yes

MANUFACTURER BACKLIVER

CAPACITY 2000 GAL

SEAM LOC TOP

TANK LID DEPTH 2.5-3'

BAFFLES 6" front / 4" back

BAFFLE FILTER -

MANHOLE LOC FRONT/BACK

6" PORT LOC -

WATERTIGHT TEST -

SLOTTED YES

DATE ON LID 08/18/2022

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

PRE-CONSTRUCTION:

10/28/22 - HD could not make the requested time by Chavis and Ryan Frick stated on the phone that installation will begin w/out a pre-con meeting. (RR)

10/28/2022.

INSTALLATION: 10/28/2022 TANK SET, SHC AND SL INSTALLED. (RR)

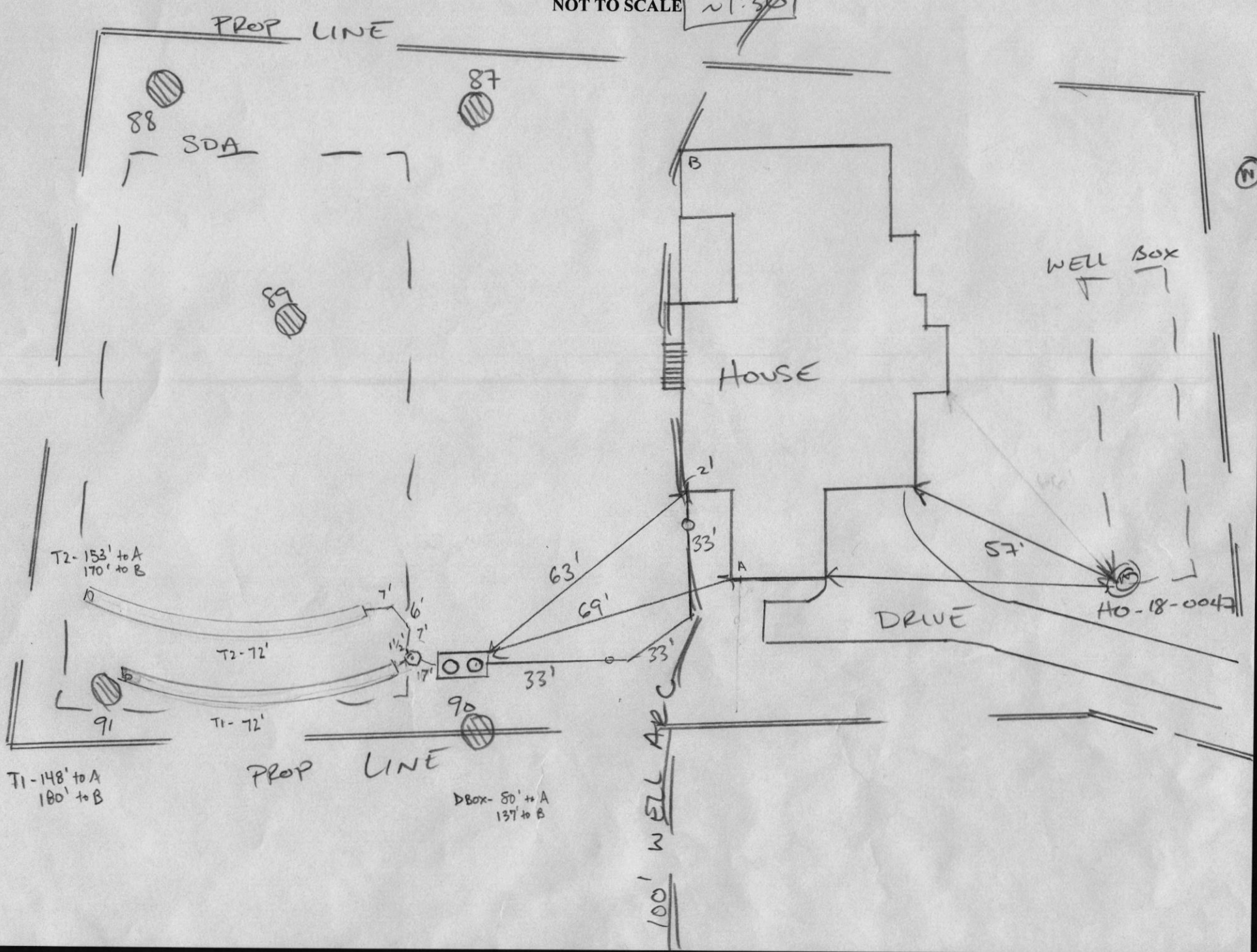
10/31/22 - d box & T1 trench installed, stone looks ok, geotextile fabric in place on 1st trench, soils consistent w/ perc data, ok to continue, can backfill 1st trench, reinspect baffles. (RR)

11/1/22 - second trench completed w/ stone & geotextile fabric, d box levelers in place and ok, baffles in place on septic tank, ok to backfill. (RR)

FINAL INSPECTOR R. Rappoport

DATE OF APPROVAL 11/1/22

NOT TO SCALE $\sim 1:300$



7004 COLT PLACE - LOT 27

LEGEND:

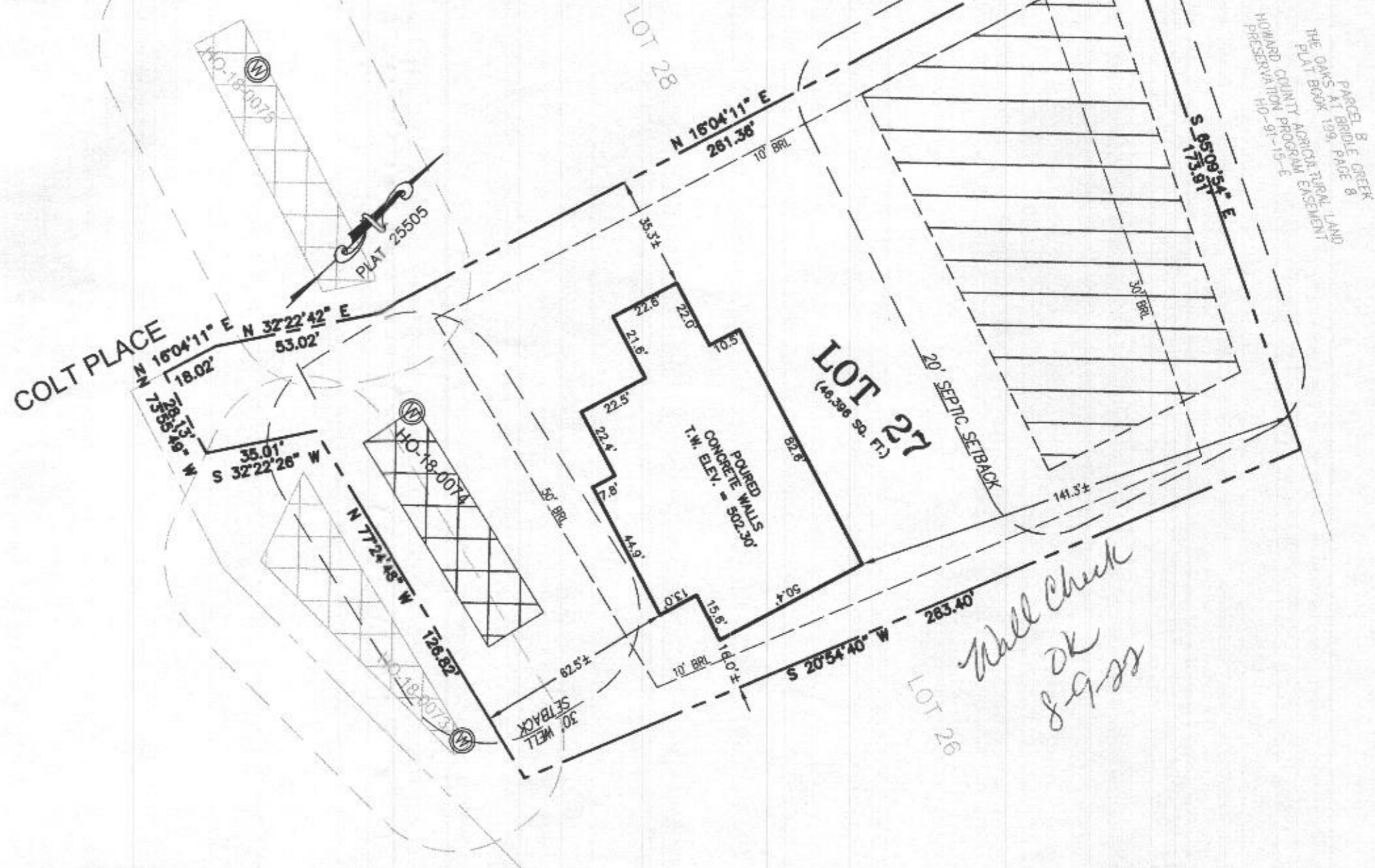
- BRL BUILDING RESTRICTION LINE
- (W) WELL LOCATION
- T.W. TOP OF WALL
- ELEV. ELEVATION
- SEWAGE DISPOSAL AREA
- WELL BOX AREA



HOUSE ENLARGEMENT
NOT TO SCALE

WELL NUMBER: HO-18-0074
 ADDRESS: 7004 COLT PLACE
 DAYTON, MD 21036
 PERMIT No.: B21003270

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 07/11/22
 SIGNATURE: MICHAEL JOE BOYCE MD, LIC NO. DATE

WALLCHECK
 LOT 27
WILLOWSHIRE
 LIBER 18479, FOLIO 296
 PLAT NO. 25505
 5th ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

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

DATE: 07/11/2022 SCALE: 1" = 40' FILE: WC LOT 27
 CHK'D: M.J.B. JOB NO: 4520 DRAWN: V.X.P.

HOUSE OPTIONS:

HOUSE TYPE: KALORAMA (FAIRVIEW)

- TWO CAR SIDE ENTRY GARAGE
- FINISHED LOWER LEVEL
- DAYLIGHT BASEMENT
- ADDITIONAL 2 CAR FRONT ENTRY GARAGE
- POWDER ROOM - FINISHED BASEMENT
- STUDY IN LIEU OF LIVING ROOM/FLEX ROOM
- GRAND MULTI-GENERATIONAL SUITE ADDITION
- OPTIONAL DROP ZONE
- PREP KITCHEN
- LUXURY OUTDOOR LIVING
- PLANNING CENTER
- MEDIA ROOM - FINISHED BASEMENT
- DAYLIGHT WINDOW/WELL IN BASEMENT
- WET BAR ROUGH-IN - LOWER LEVEL

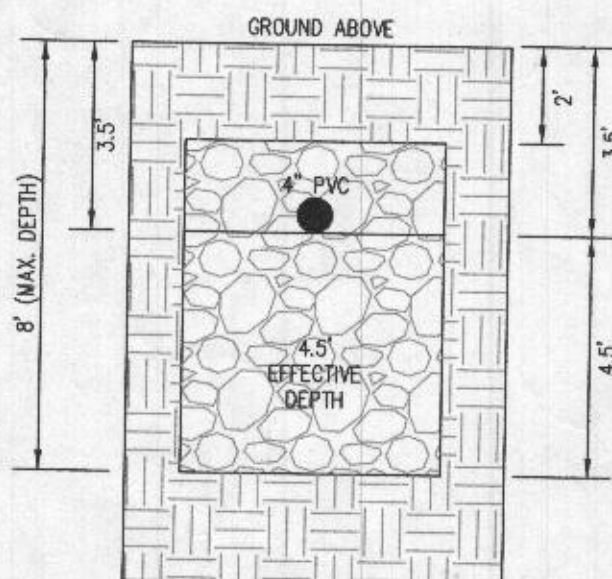
- OPTION No. 012
- OPTION No. 013
- OPTION No. 018
- OPTION No. 263019
- OPTION No. 263036
- OPTION No. 263038
- OPTION No. 263075
- OPTION No. 263081
- OPTION No. 263158
- OPTION No. 263165
- OPTION No. 263177
- OPTION No. 562
- OPTION No. 543
- OPTION No. 048246

INITIAL TRENCH DATA:

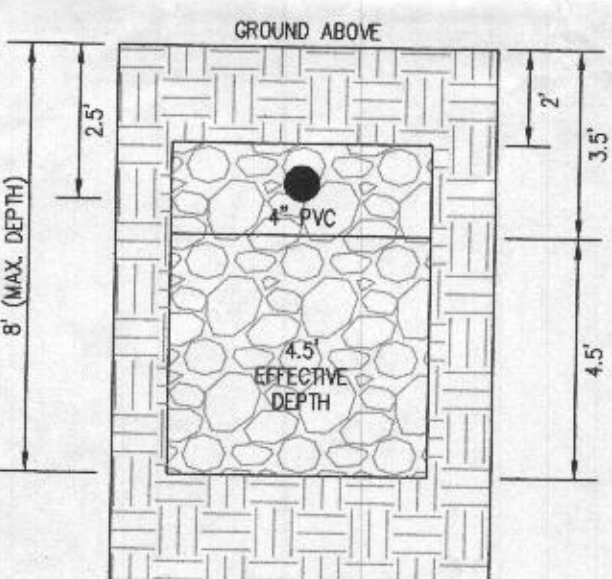
BOTTOM MAX. DEPTH (8')

TRENCH 1 (T1): 71.25' L.F.
 GROUND ABOVE = 510.30'
 INV. IN = 506.80'
 BOTTOM TRENCH = 502.30'

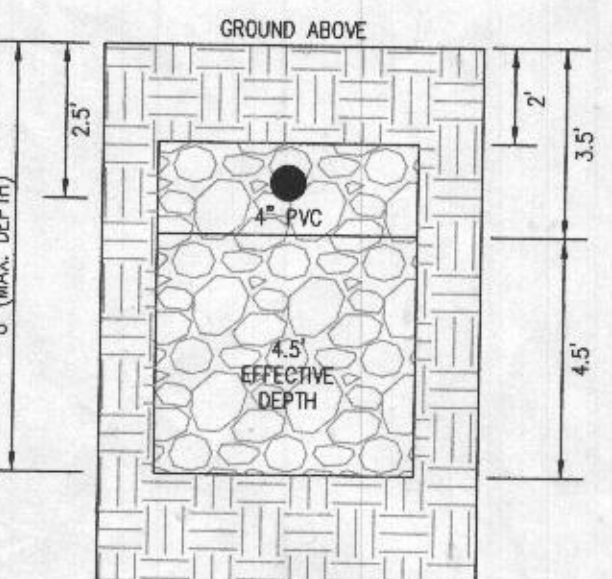
TRENCH 2 (T2): 71.25' L.F.
 GROUND ABOVE = 509.30'
 INV. IN = 505.80'
 BOTTOM TRENCH = 501.30'



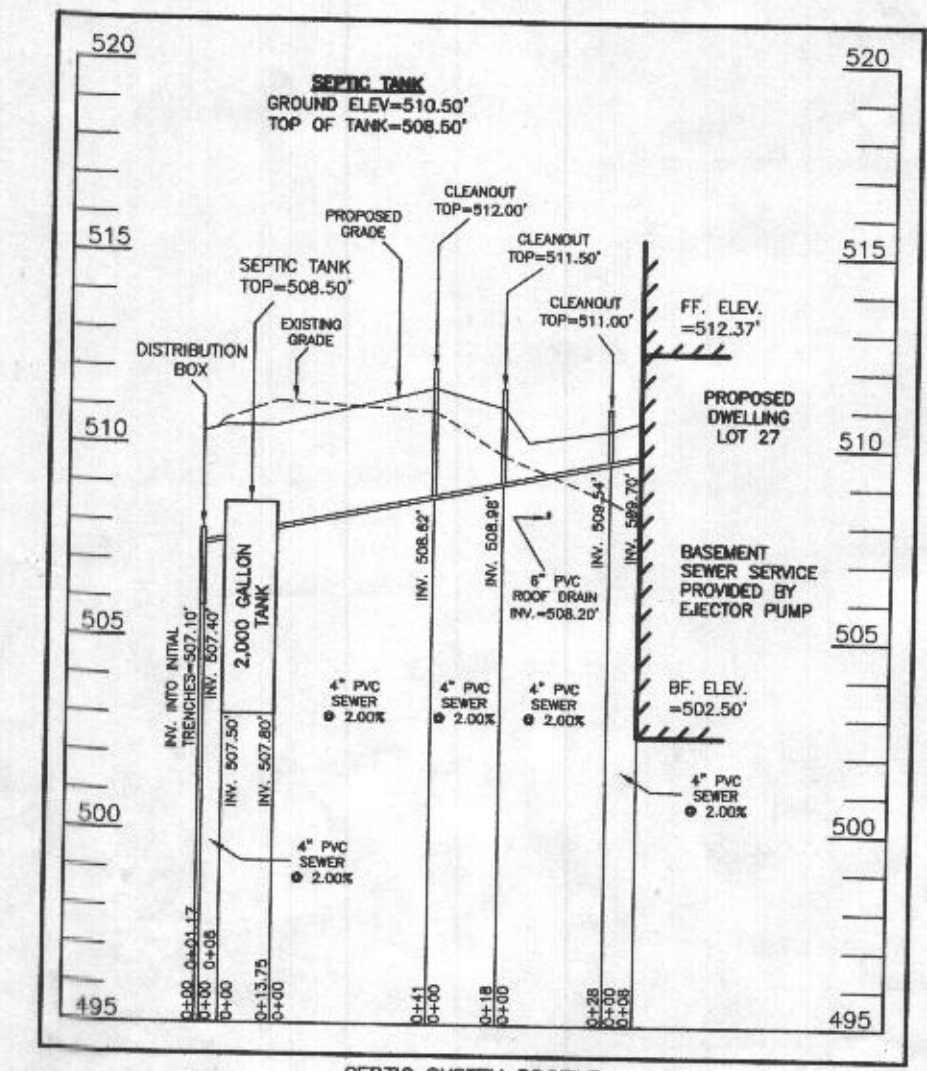
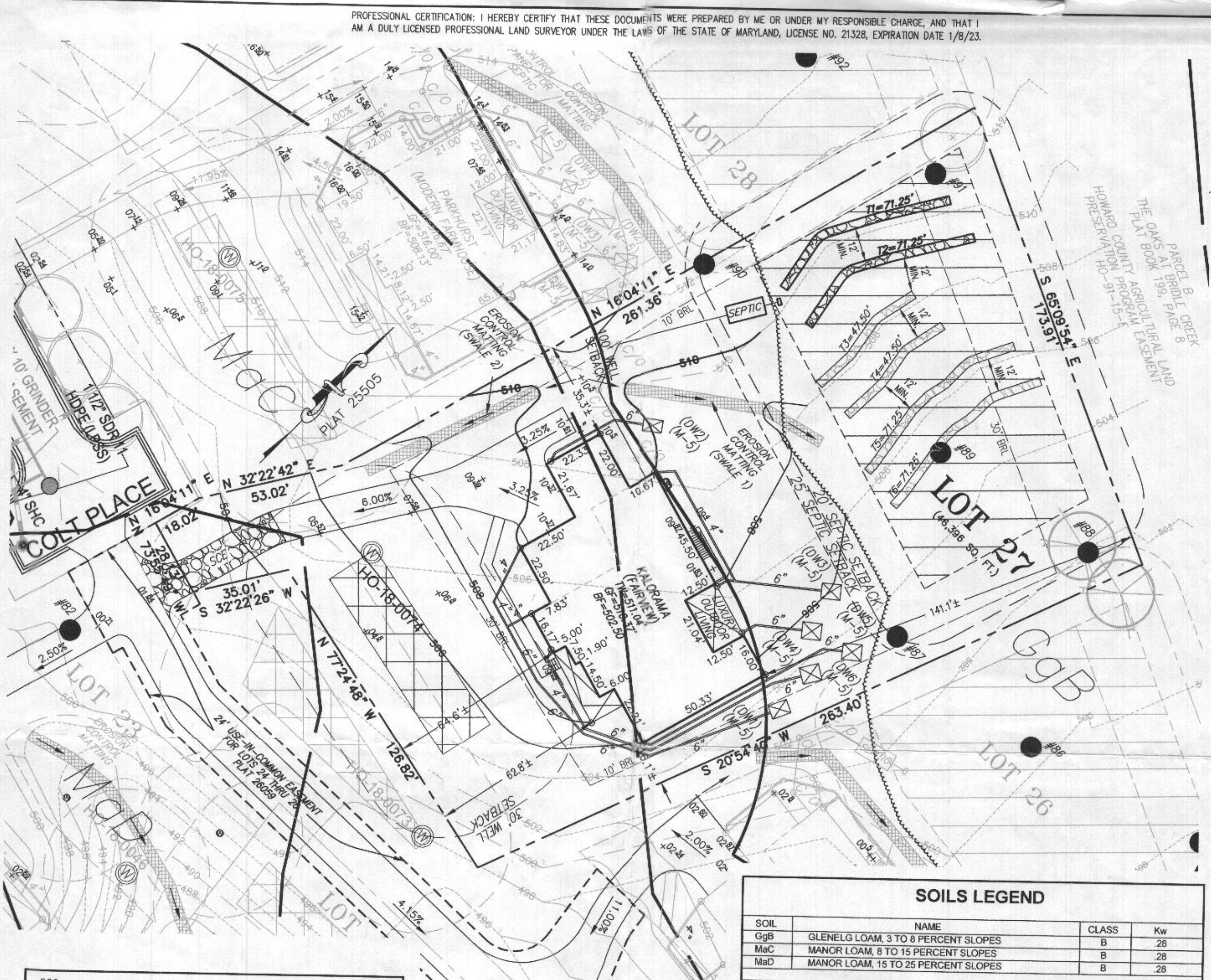
INITIAL SYSTEM TRENCH DETAIL (T1 AND T2) (NOT TO SCALE)



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



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



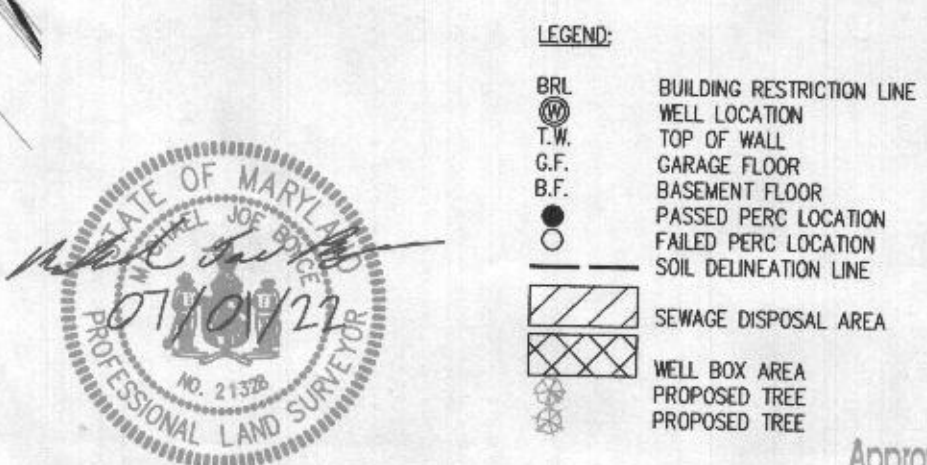
SEPTIC SYSTEM PROFILE
 SCALE = HORIZONTAL: 1"=50'
 VERTICAL: 1"=5'

SEWAGE DISPOSAL SYSTEM DATA (6 BDRM):

- PROPOSED INVERT AT FOUNDATION WALL: 509.70'
- 1. EX. GRADE OVER TANK: 510.70'
 PROPOSED GRADE OVER TANK: 510.50'
 INVERT IN: 507.80' INVERT OUT: 507.50'
- 2. DISTRIBUTION BOX
 EXISTING GRADE OVER TANK: 510.30'
 PROPOSED GRADE OVER TANK: 510.30'
 INVERT IN: 507.40' INVERT OUT: 507.10'
- 3. INITIAL TRENCH DESIGN (6 BDRM x 150 GPD/BDRM = 900 GPD)
 900 GPD ÷ 0.8 APP. RATE = 1,125 SF
 USE 3' WIDE TRENCH WITH 42" GRAVEL BELOW PIPE
 12' MIN. SPACING BETWEEN TRENCH EDGES
 1,125 SF ÷ 3' WIDTH = 375 LF x 0.38 (SIDEWALL REDUCTION) = 142.50 LF MIN.
 USE 2 71.25' LONG TRENCHES = 142.50 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 2 47.50' LONG TRENCHES = 95 LF
- 5. 2ND REPLACEMENT TRENCH DESIGN (6 BDRM x 150 GPD/BDRM = 900 GPD)
 900 GPD ÷ 0.8 APP. RATE = 1,125 SF
 USE 3' WIDE TRENCH WITH 66" GRAVEL BELOW PIPE
 12' MIN. SPACING BETWEEN TRENCH EDGES
 1,125 SF ÷ 3' WIDTH = 375 LF x 0.38 (SIDEWALL REDUCTION) = 142.50 LF MIN.
 USE 2 71.25' LONG TRENCHES = 142.50 LF

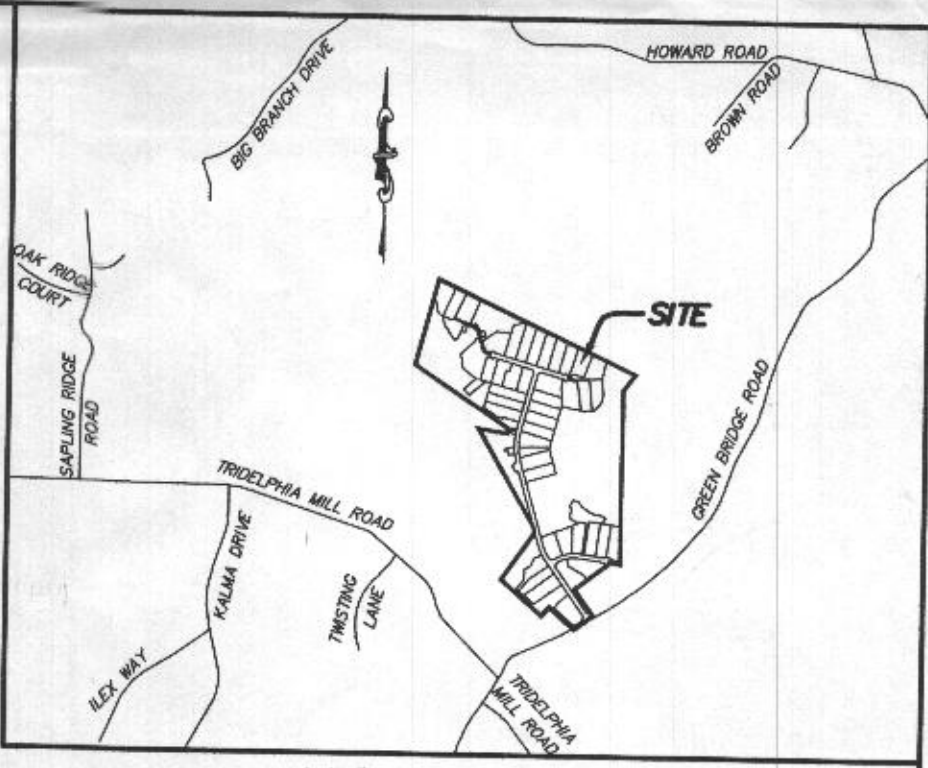
SOILS LEGEND

SOIL	NAME	CLASS	Kw
GgB	GLENELG LOAM, 3 TO 8 PERCENT SLOPES	B	.28
MaC	MANOR LOAM, 8 TO 15 PERCENT SLOPES	B	.28
MaD	MANOR LOAM, 15 TO 25 PERCENT SLOPES	B	.28



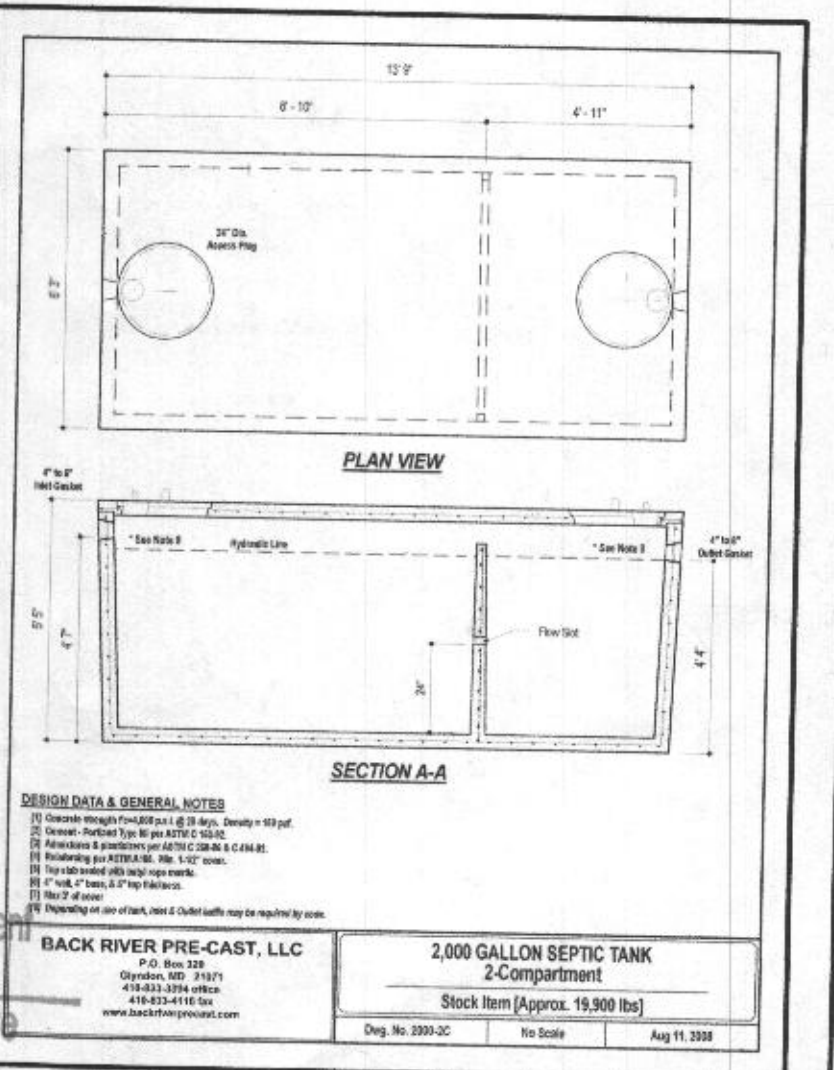
WELL LOCATION CERTIFICATION:
 THE EXISTING WELL SHOWN FOR LOT 27 (TAG NO. HO-18-0074) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN HEREON.

ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN
LOT 27 WILLOWSHIRE
 LIBER 18479, FOLIO 296
 PLAT NO. 25505
 ELECTION DISTRICT No. 5
 HOWARD COUNTY, MARYLAND
 ADDRESS: 7004 COLT PLACE
 DAYTON, MARYLAND 21036



VICINITY MAP
 1" = 2000'
 TAX MAP 27, GRID 18

- 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. THESE AREAS 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 AND A TOPOGRAPHIC SURVEY PREPARED BY BOHLER ENGINEERING ON 08/25/15 AND REVISED ON 09/03/15.



BACK RIVER PRE-CAST, LLC
 2,000 GALLON SEPTIC TANK
 2-Compartment
 Stock Item (Approx. 19,900 lbs)
 Date: Aug 11, 2020

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 ESE Consultants, Inc.
 6731 Columbia Gateway Drive • Suite 120 • Columbia, MD 21046
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DATE: 06/30/2022 SCALE: 1"= 30' FILE: OSDS LOT 27
 CHK'D: M.J.B. JOB NO: 4520 DRAWN: R.C.K.