

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: 4-5-21 ONSITE SEWAGE DISPOSAL SYSTEM P 568834

APPROVAL DATE: 5/18/21 PERMIT: CONSTRUCTION A

PROPERTY ADDRESS: 15620 LINDEN GROVE LANE, WOODBINE, MD 21797

SUBDIVISION: LINDEN GROVE, PHASE 1 LOT: 19 TAX ID: 04-601898

CONTRACTOR: Charis Enterprises EMAIL:

CONTRACTOR ADDRESS: 3811 Federal Hill Rd, Jarrettsville, MD 2084 PHONE: 410-551-2455

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): 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: 6 APPLICATION RATE: 0.8

Table with 2 columns: Field Name (TRENCHES, LOCATION, NOTES) and Field Value (Linear feet required, Inlet depth, etc.)

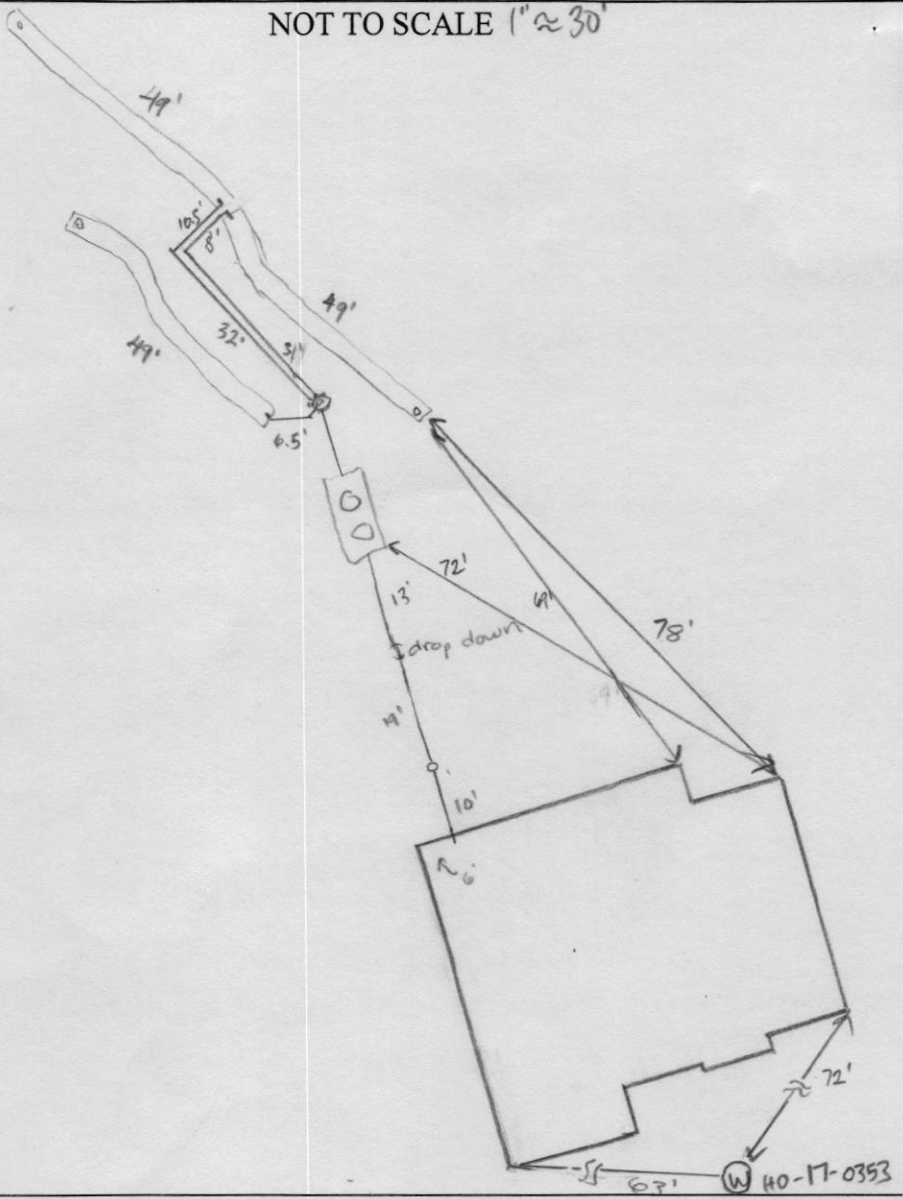
ISSUED BY: R BRICKER ISSUE DATE: 4-5-21 EXPIRATION DATE: 4-5-22

- 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
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.

15620 Linden Grove Ln

NOT TO SCALE 1" ≈ 30'



ROAD NAME

Linden Grove Lane

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3'	2.5'	8'
NUMBER OF TRENCHES	3	
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 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 3-8-2021

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:

5/12/21 3x45' trenches were staked out according to plan on contour. Decent amount of fall. (SB)

INSTALLATION:

5/18/21 Tank and d-box set, SL connected. 3x49' trenches constructed. OK to backfill. (SB)

FINAL INSPECTOR

Dwan Thomas


DATE OF APPROVAL

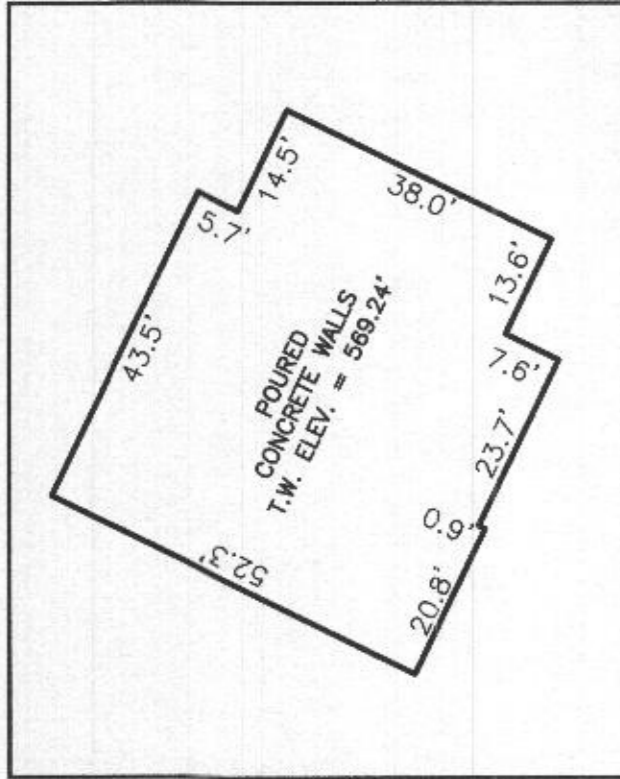
5/18/21

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.

LEGEND:

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

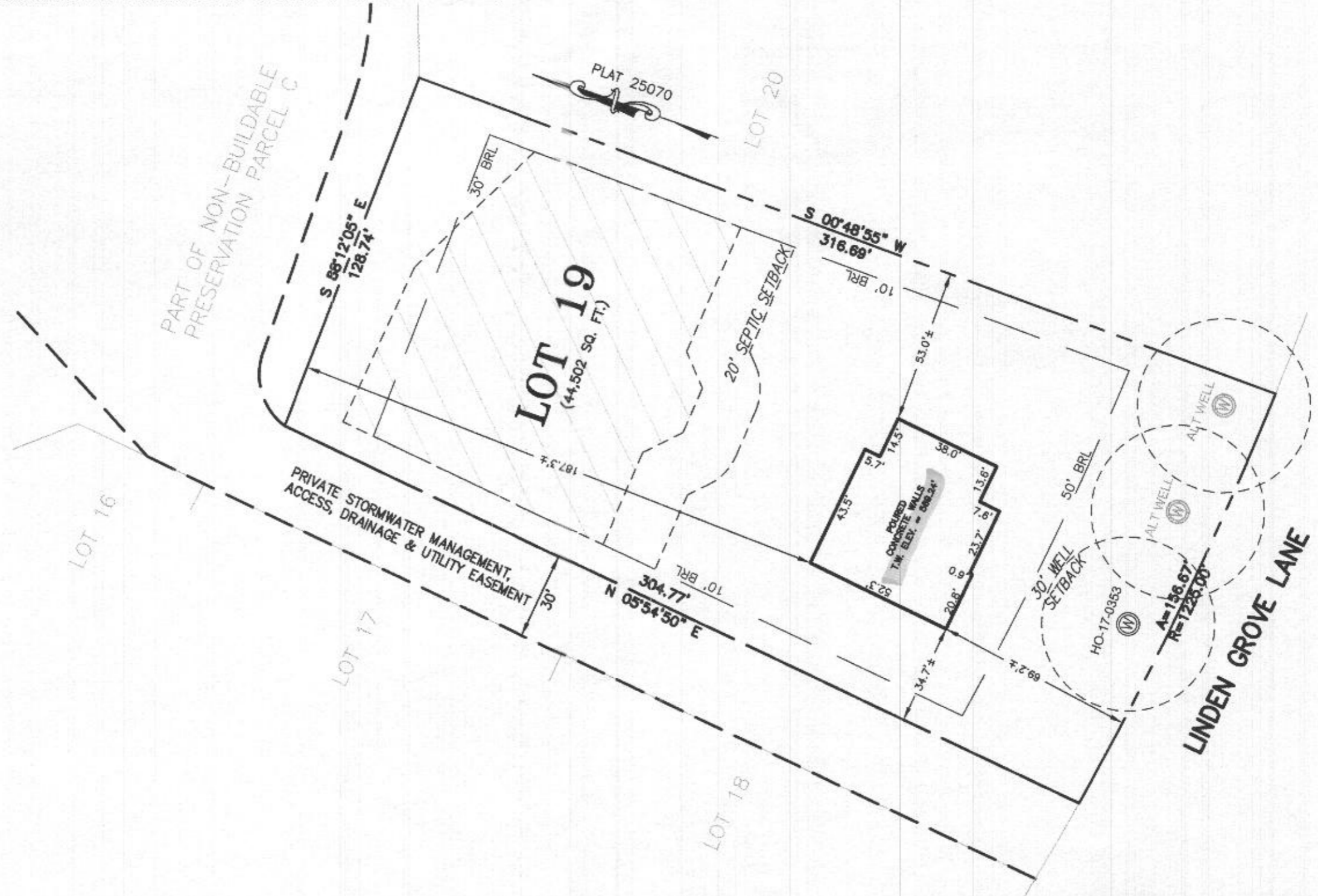
 SEPTIC RESERVE AREA



HOUSE ENLARGEMENT
 NOT TO SCALE

PERMIT NO.: B20003289
 WELL NUMBER: HO-17-0353
 ADDRESS: 15620 LINDEN GROVE LANE
 WOODBINE, MD 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.

 21328 3/15/21
 SIGNATURE: MICHAEL JOE BOYCE MD. LIC NO. DATE

WALLCHECK
 LOT 19
LINDEN GROVE
 LIBER 19770, FOLIO 293
 PLAT NO. 25070
 ELECTION DISTRICT No. 4
 HOWARD COUNTY, MARYLAND

ESE CONSULTANTS

ENGINEERING • PLANNING • SURVEYING • ENVIRONMENT

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

DATE: 03/15/2021 SCALE: 1"=40' FILE: WC LOT 19
 CHK'D: M.J.B. JOB NO: 4683 DRAWN: V.X.P.



HOUSE OPTIONS:

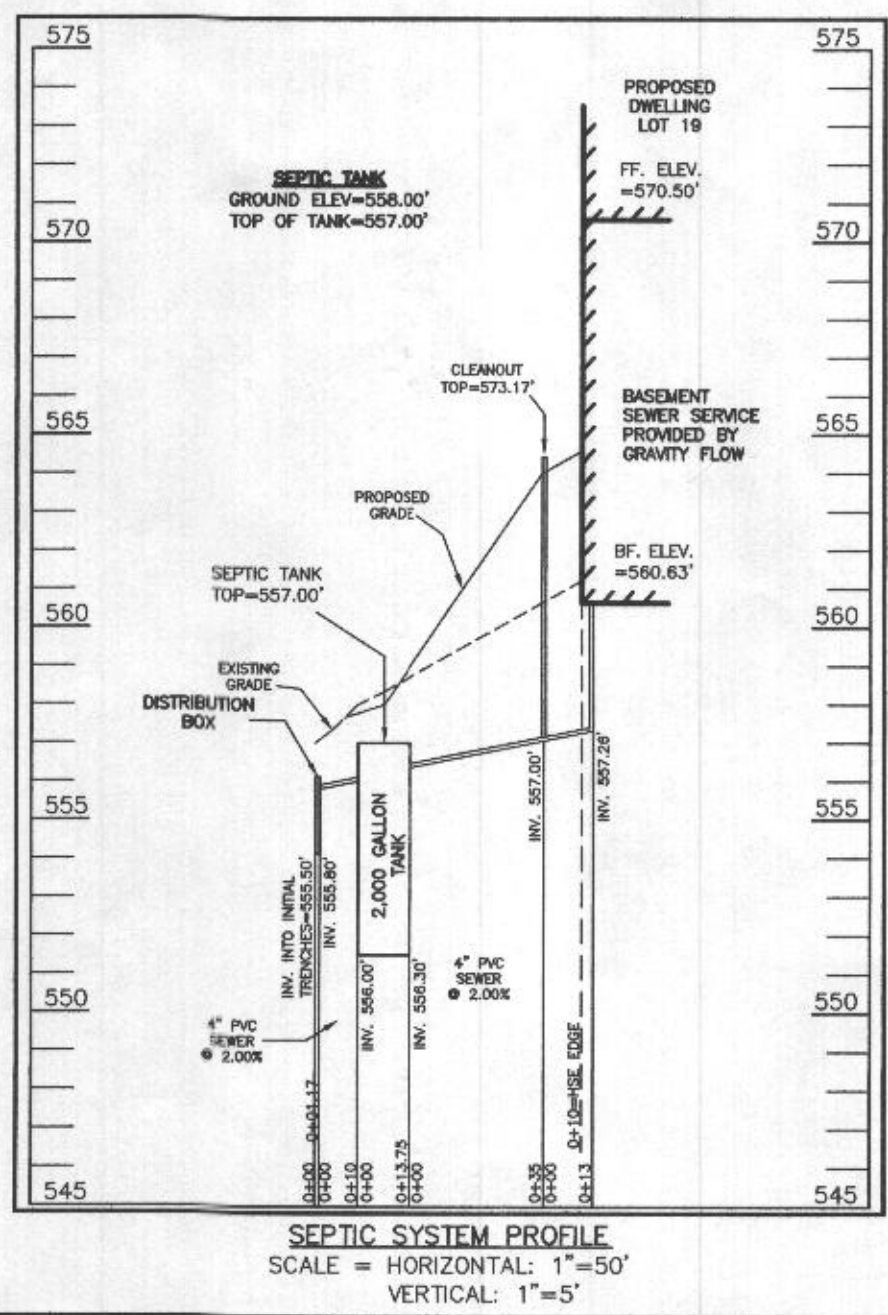
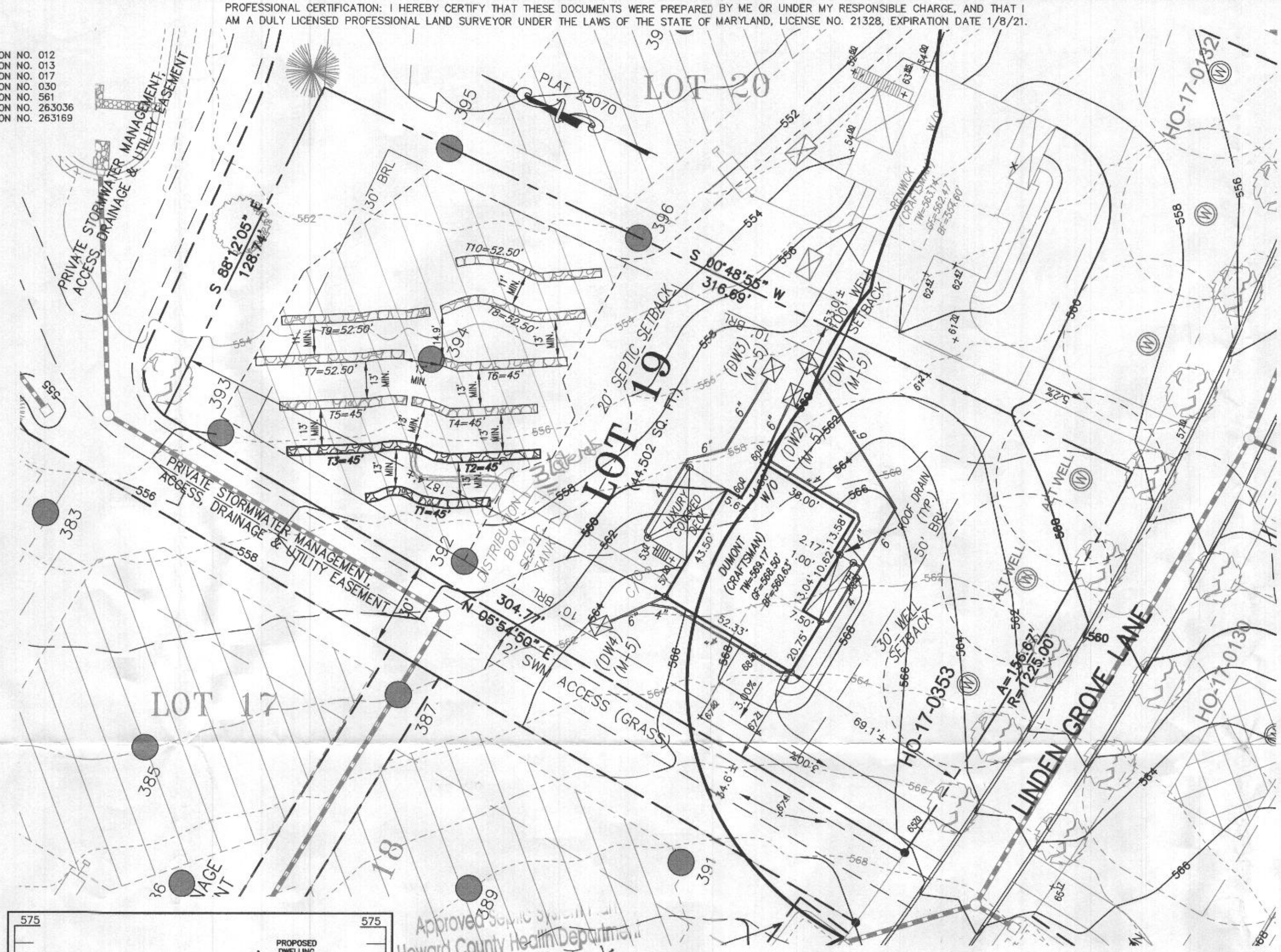
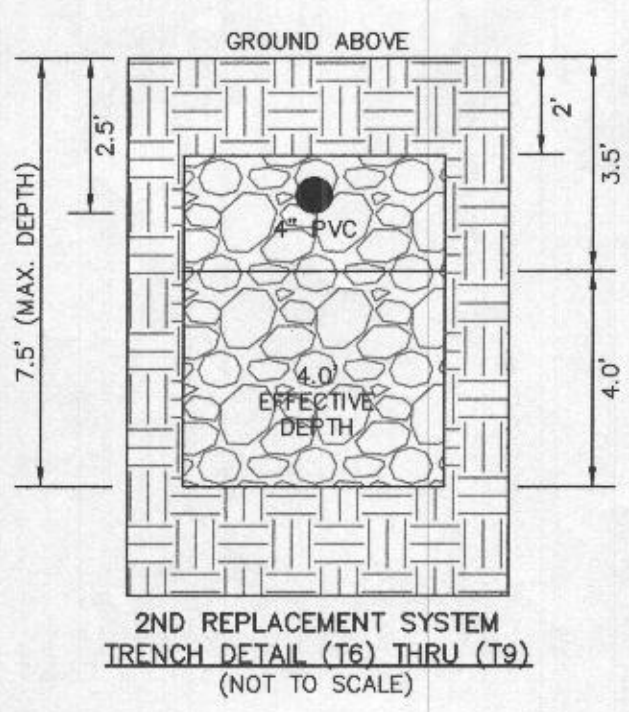
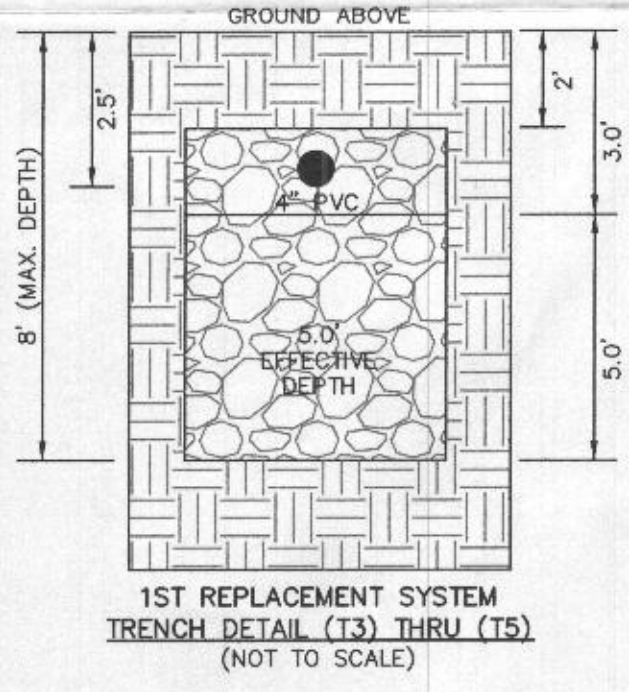
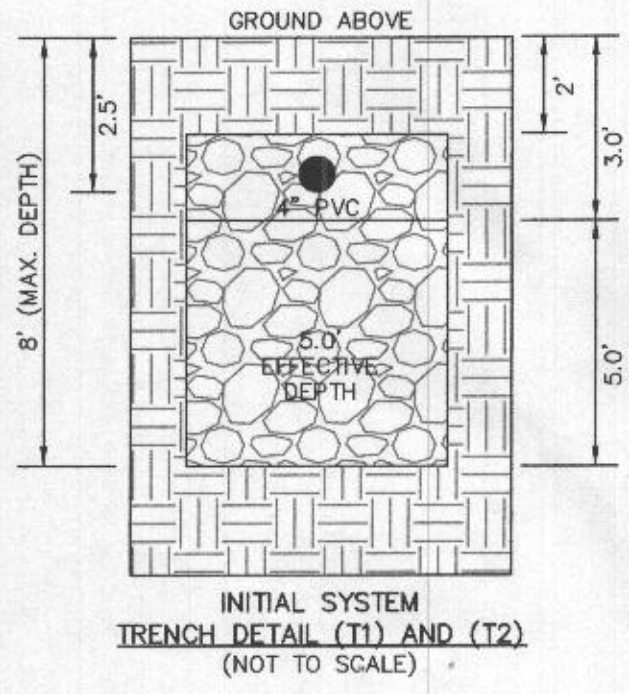
HOUSE TYPE: DUMONT (CRAFTSMAN)

- 2 CAR SIDE ENTRY GARAGE
- FINISHED LOWER LEVEL
- WALK-OUT BASEMENT
- ADDITIONAL WALK-IN CLOSET
- WET BAR FOR FINISHED LOWER LEVEL
- POWDER ROOM FOR FINISHED LOWER LEVEL
- WALK-OUT LUXURY COVERED DECK

- OPTION NO. 012
- OPTION NO. 013
- OPTION NO. 017
- OPTION NO. 030
- OPTION NO. 561
- OPTION NO. 263036
- OPTION NO. 263169

INITIAL TRENCH DATA:

- BOTTOM MAX. DEPTH (8')
- TRENCH 1 (T1): 45 L.F.**
GROUND ABOVE = 557.50'
INV. IN = 555.00'
BOTTOM TRENCH = 549.50'
- TRENCH 2 (T2): 45 L.F.**
GROUND ABOVE = 556.40'
INV. IN = 553.90'
BOTTOM TRENCH = 548.40'
- TRENCH 3 (T2): 45 L.F.**
GROUND ABOVE = 556.40'
INV. IN = 553.90'
BOTTOM TRENCH = 548.40'



Approved Septic System
 Howard County Health Department
 2000 gal Septic Tank
 To gravity drain field
 for 6-bedroom SFD
 R. Becker
 Signature
 11/19/2020
 Date



SEWAGE DISPOSAL SYSTEM DATA (6 BDRM):

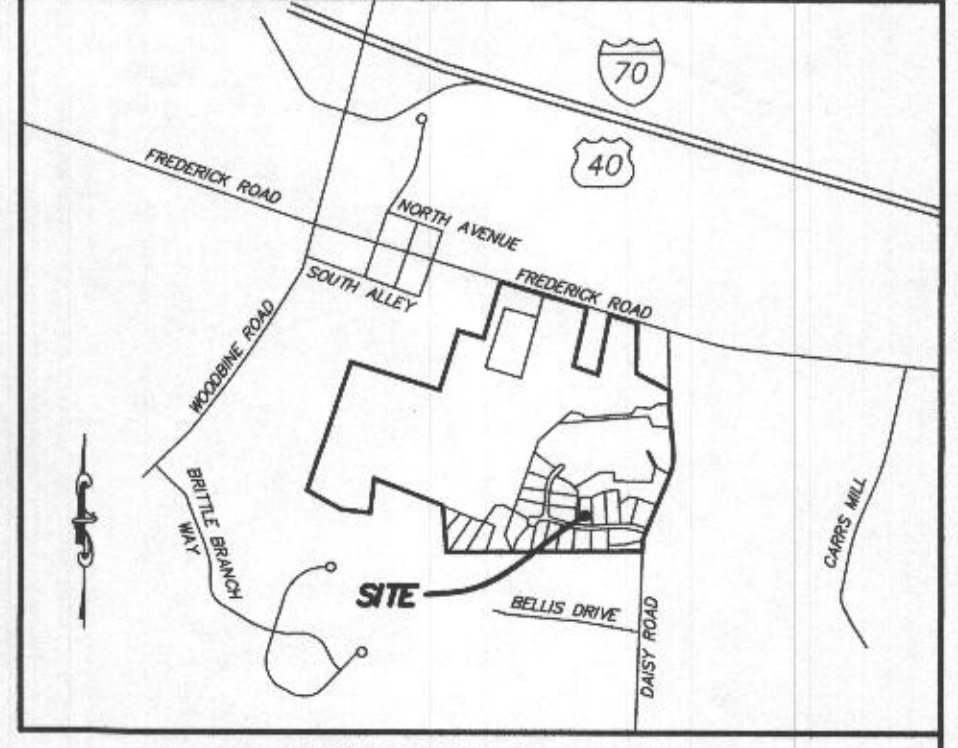
- PROPOSED INVERT AT FOUNDATION WALL: 557.26'
- 1. EX. GRADE OVER TANK: 558.30'
PROPOSED GRADE OVER TANK: 558.00'
INVERT IN: 556.30' INVERT OUT: 556.00'
- 2. DISTRIBUTION BOX
EXISTING GRADE OVER TANK: 557.00'
PROPOSED GRADE OVER TANK: 557.00'
INVERT IN: 555.80' INVERT OUT: 555.50'
- 3. INITIAL TRENCH DESIGN (6 BDRM x 150 GPD/BDRM = 900 GPD)
900 GPD ÷ 0.8 APP. RATE = 1,125 SF
USE 3' WIDE TRENCH WITH 60" GRAVEL BELOW PIPE
13' MIN. SPACING BETWEEN TRENCH EDGES
1,125 SF ÷ 3' WIDTH = 375 LF x 0.36 (SIDEWALL REDUCTION) = 135 LF MIN.
USE 3 45' LONG TRENCHES = 135 LF
- 4. 1ST 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 60" GRAVEL BELOW PIPE
13' MIN. SPACING BETWEEN TRENCH EDGES
1,125 SF ÷ 3' WIDTH = 375 LF x 0.36 (SIDEWALL REDUCTION) = 135 LF MIN.
USE 4 45' LONG TRENCHES = 135 LF
- 5. 2ND REPLACEMENT TRENCH DESIGN (6 BDRM x 150 GPD/BDRM = 900 GPD)
900 GPD ÷ 0.6 APP. RATE = 1,500 SF
USE 3' WIDE TRENCH WITH 60" GRAVEL BELOW PIPE
11' MIN. SPACING BETWEEN TRENCH EDGES
1,500 SF ÷ 3' WIDTH = 500 LF x 0.42 (SIDEWALL REDUCTION) = 210 LF MIN.
USE 4 52.50' LONG TRENCH = 210 LF

- LEGEND:**
- BRL BUILDING RESTRICTION LINE
 - 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 19 (TAG NO. HO-17-0353) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN HEREON.

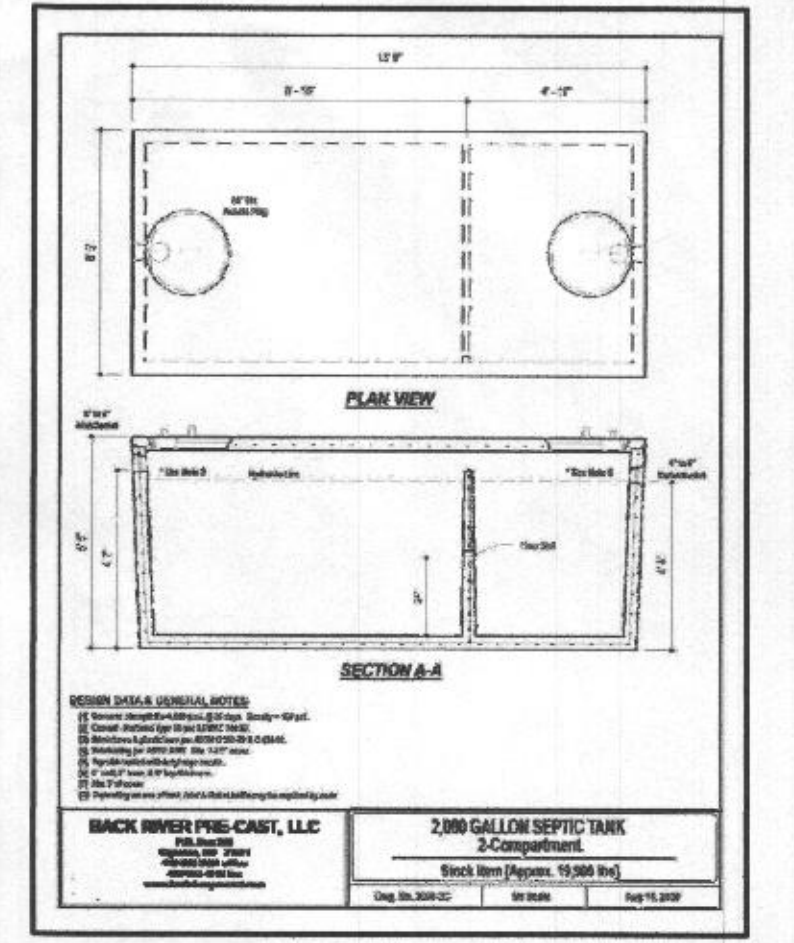
ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN
LOT 19
LINDEN GROVE
 LIBER 19770, FOLIO 293
 PLAT NO. 25070
 ELECTION DISTRICT No. 4
 HOWARD COUNTY, MARYLAND
 ADDRESS: 15620 LINDEN GROVE LANE
 WOODBINE, MARYLAND 21797



VICINITY MAP
1" = 1000'

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 UNTO 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.
8. THE EXISTING TOPOGRAPHY SHOWN HEREON IS FROM HOWARD COUNTY GIS, 2' CONTOUR INTERVAL AND FIELD VERIFIED BY FISHER, COLLINS AND CARTER, INC.



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

DATE: 10/30/2020 SCALE: 1" = 30' FILE: OSDS LOT 19_rev1
 CHK'D: M.J.B. JOB NO: 4683 DRAWN: R.C.K.