

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: 5-25-21 **ONSITE SEWAGE DISPOSAL SYSTEM**

P 569528

APPROVAL DATE: 08/23/2021 **PERMIT: CONSTRUCTION**

A _____

PROPERTY ADDRESS: 15649 LINDEN GROVE LANE, WOODBINE, MD 21797

SUBDIVISION: LINDEN GROVE, PHASE 1 LOT: 11 TAX ID: 04-601890

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

CONTRACTOR ADDRESS: 23 E.ELLEDALE, 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)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: GRAVITY PRESSURE DOSED BEDROOMS: 7 APPLICATION RATE: 1.2

TRENCHES:	LINEAR FEET REQUIRED: <u>132</u>	INLET DEPTH: <u>3.5</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>7.0</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</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:	INSTALL THREE (3) CLEANOUTS IN SHC, AS ILLUSTRATED.	

ISSUED BY: R BRICKER ISSUE DATE: 08/23/2021 EXPIRATION DATE: 5-25-22

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

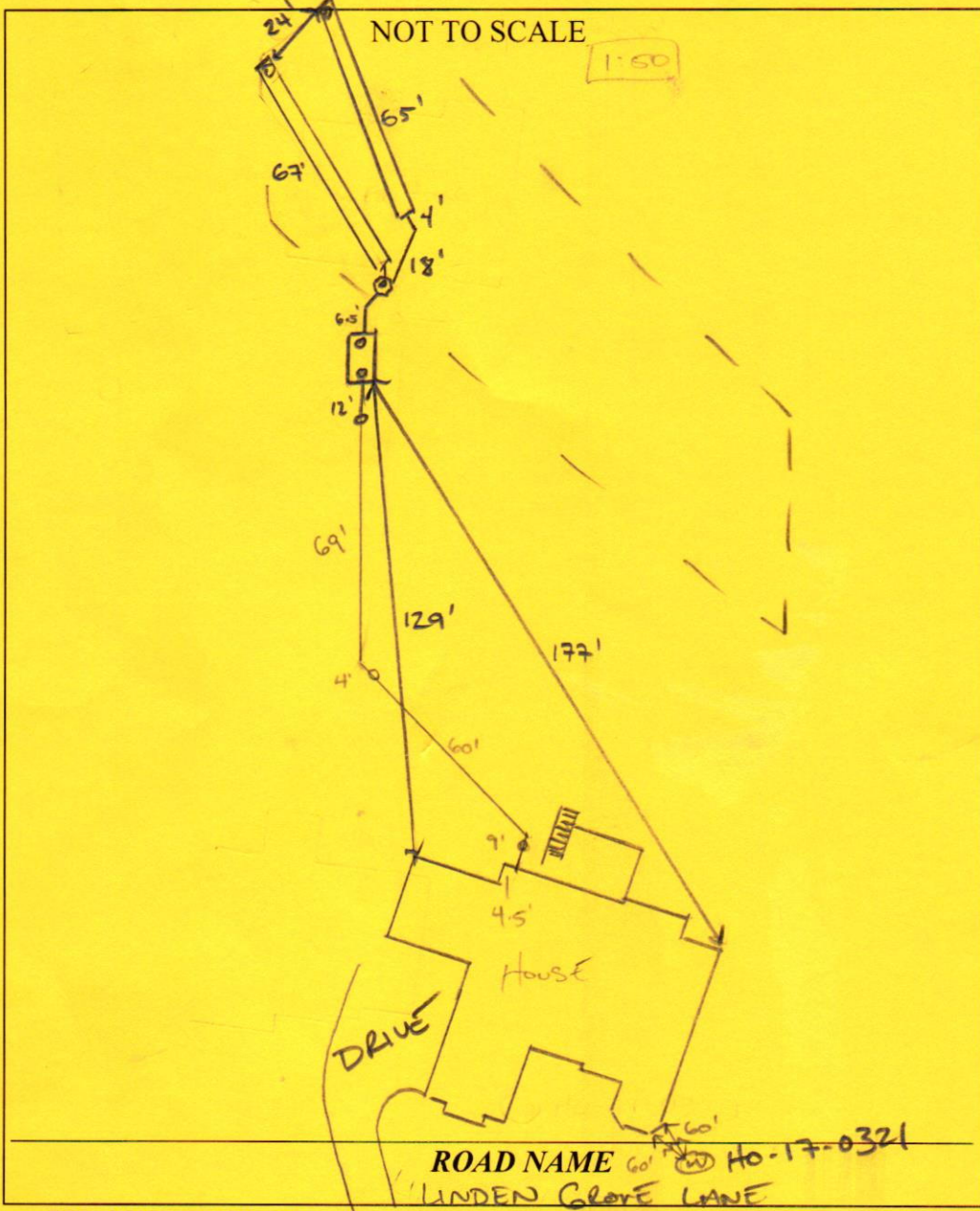
ELECTRICAL PERMIT ISSUED E n.a.

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.



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	3.5'	7'
NUMBER OF TRENCHES		2
TOTAL LENGTH		132 F
ABSORPTION AREA		396 SF + 2.5' SIDE WALL
DISTRIBUTION BOX LEVEL		SPEED
DISTRIBUTION BOX BAFFLE		YES
DISTRIBUTION BOX PORT		YES

SEPTIC TANK DATA	
SEPTIC TANK I LEVEL	YES
MANUFACTURER	BABYLON
CAPACITY	2000 GAL
SEAM LOC	TOP
TANK LID DEPTH	3'
BAFFLES	YES
BAFFLE FILTER	-
MANHOLE LOC	FRONT/BACK
6" PORT LOC	-
WATERTIGHT TEST	-
SLOTTED	YES
DATE ON LID	07/05/2021
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:
 07/20/2021 OK TO START. ⊕

INSTALLATION: 08/17/2021 (AM) SHC AND SEWER LINE INSTALLED. (PM) RAIN DOWNPOUR INTO OPEN TANK PIT PRIOR TO SETTING TANK. TANK NOT SET. ⊕ 08/23/2021 TALKED W/ CONTRACTOR ABOUT ENSURING EQUAL LENGTH TRENCHES. LEVELED 1 Box w/ SPEED LEVELS. ⊕

FINAL INSPECTOR [Signature] DATE OF APPROVAL 08/23/2021

Real Property Data Search

Search Result for HOWARD COUNTY

View Map	View GroundRent Redemption	View GroundRent Registration							
Special Tax Recapture: None									
Account Identifier:	District - 04 Account Number - 601890								
Owner Information									
Owner Name:	KIMBERTHY/HERITAGE LLC	Use: RESIDENTIAL							
		Principal Residence: NO							
Mailing Address:	PO BOX 482 LISBON MD 21765-	Deed Reference:							
Location & Structure Information									
Premises Address:	15649 LINDEN GROVE LN WOODBINE 21797-	Legal Description:							
		LOT 11, 1.393 A. 15649 LINDEN GROVE LN LINDEN GROVE, PH. 1							
Map:	Grid:	Parcel:	Neighborhood:	Subdivision:	Section:	Block:	Lot:	Assessment Year:	Plat No:
0008	0007	0005	4010103.14	1003			11	2020	
									Plat Ref: 25064-73
Town: None									
Primary Structure Built	Above Grade Living Area	Finished Basement Area	Property Land Area	County Use					
			1.3930 AC						
Stories	Basement	Type	Exterior	Quality	Full/Half Bath	Garage	Last Notice of Major Improvements		
			/						
Value Information									
	Base Value	Value	Phase-in Assessments						
		As of	As of	As of					
		01/01/2020	07/01/2020	07/01/2021					
Land:	178,900	159,900							
Improvements	0	0							
Total:	178,900	159,900	159,900	159,900					
Preferential Land:	0			0					
Transfer Information									
Seller:	Date:	Price:							
Type:	Deed1:	Deed2:							
Seller:	Date:	Price:							
Type:	Deed1:	Deed2:							
Seller:	Date:	Price:							
Type:	Deed1:	Deed2:							
Exemption Information									
Partial Exempt Assessments:	Class	07/01/2020	07/01/2021						
County:	000	0.00							
State:	000	0.00							
Municipal:	000	0.00 0.00	0.00 0.00						
Special Tax Recapture: None									
Homestead Application Information									
Homestead Application Status: No Application									

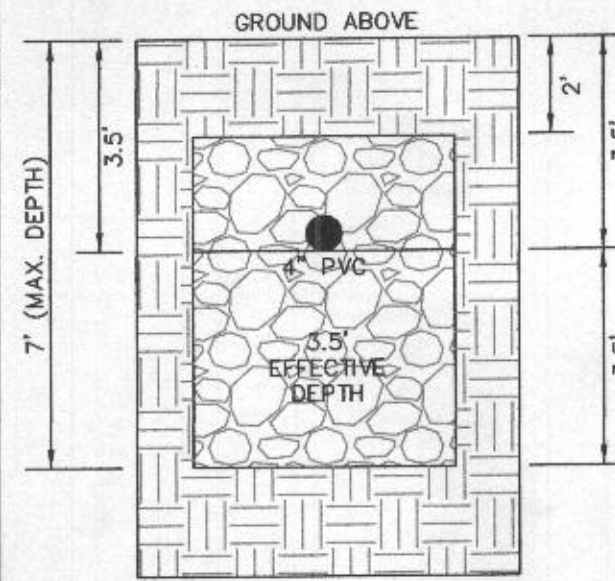
HOUSE OPTIONS:

HOUSE TYPE: RIDGEVIEW (LEXINGTON)
 THREE CAR SIDE ENTRY GARAGE
 FINISHED LOWER LEVEL
 WALK-OUT BASEMENT
 ADD'L 1' TO FOUNDATION WALL HEIGHT
 GRAND MULTI-GENERATIONAL SUITE
 OPTIONAL DROP ZONE
 WALK-OUT LUXURY COVERED DECK
 ADDITIONAL BATH
 WET BAR ROUGH-IN IN LOWER LEVEL
 CONSTRUCTION NOTE FOR WINDOW IN LOWER LEVEL

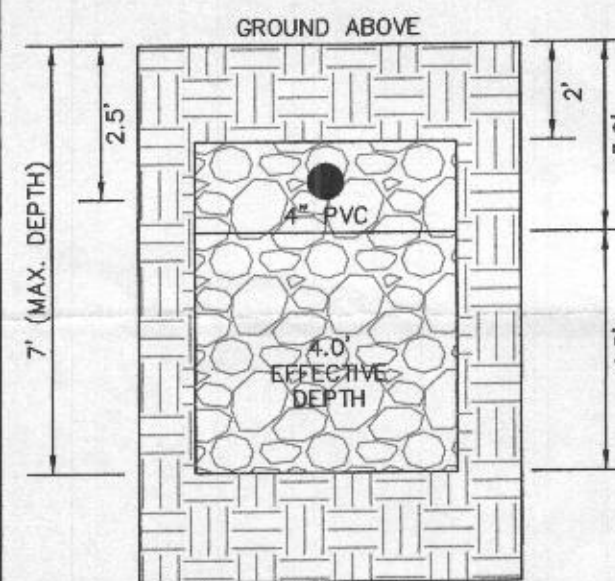
OPTION No. 001
 OPTION No. 013
 OPTION No. 017
 OPTION No. 070
 OPTION No. 263075
 OPTION No. 263081
 OPTION No. 263169
 OPTION No. 367
 OPTION No. 90011008
 OPTION No. 90011009

INITIAL TRENCH DATA:

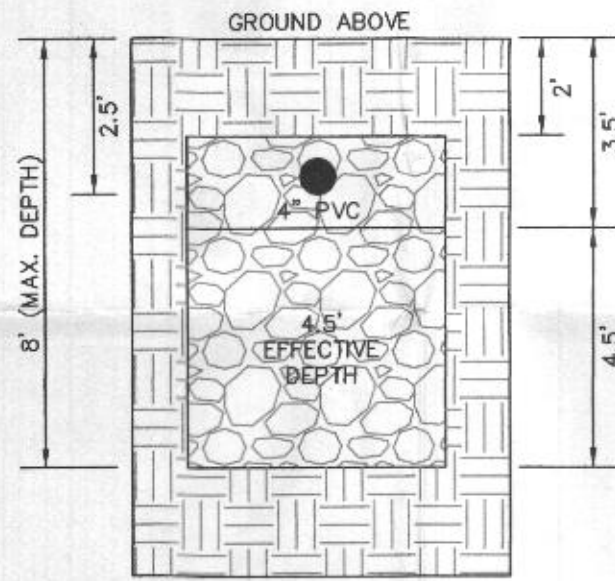
BOTTOM MAX. DEPTH (7')
TRENCH 1 (T1): 65.75 LF.
 GROUND ABOVE = 547.00'
 INV. IN = 543.50'
 BOTTOM TRENCH = 540.00'
TRENCH 2 (T2): 65.75 LF.
 GROUND ABOVE = 546.00'
 INV. IN = 542.50'
 BOTTOM TRENCH = 539.00'



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

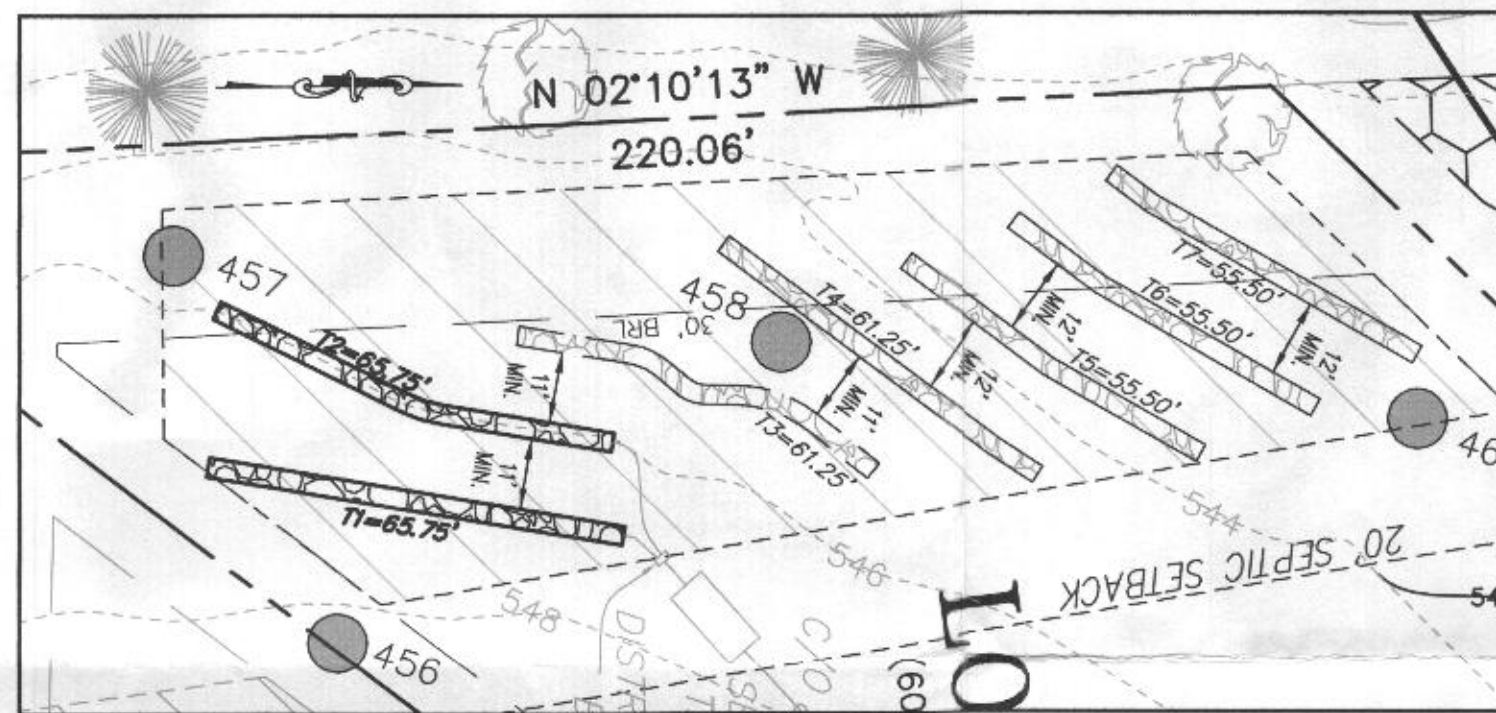


1ST REPLACEMENT SYSTEM TRENCH DETAIL (T3) AND (T4) (NOT TO SCALE)



2ND REPLACEMENT SYSTEM TRENCH DETAIL (T5) THRU (T7) (NOT TO SCALE)

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.



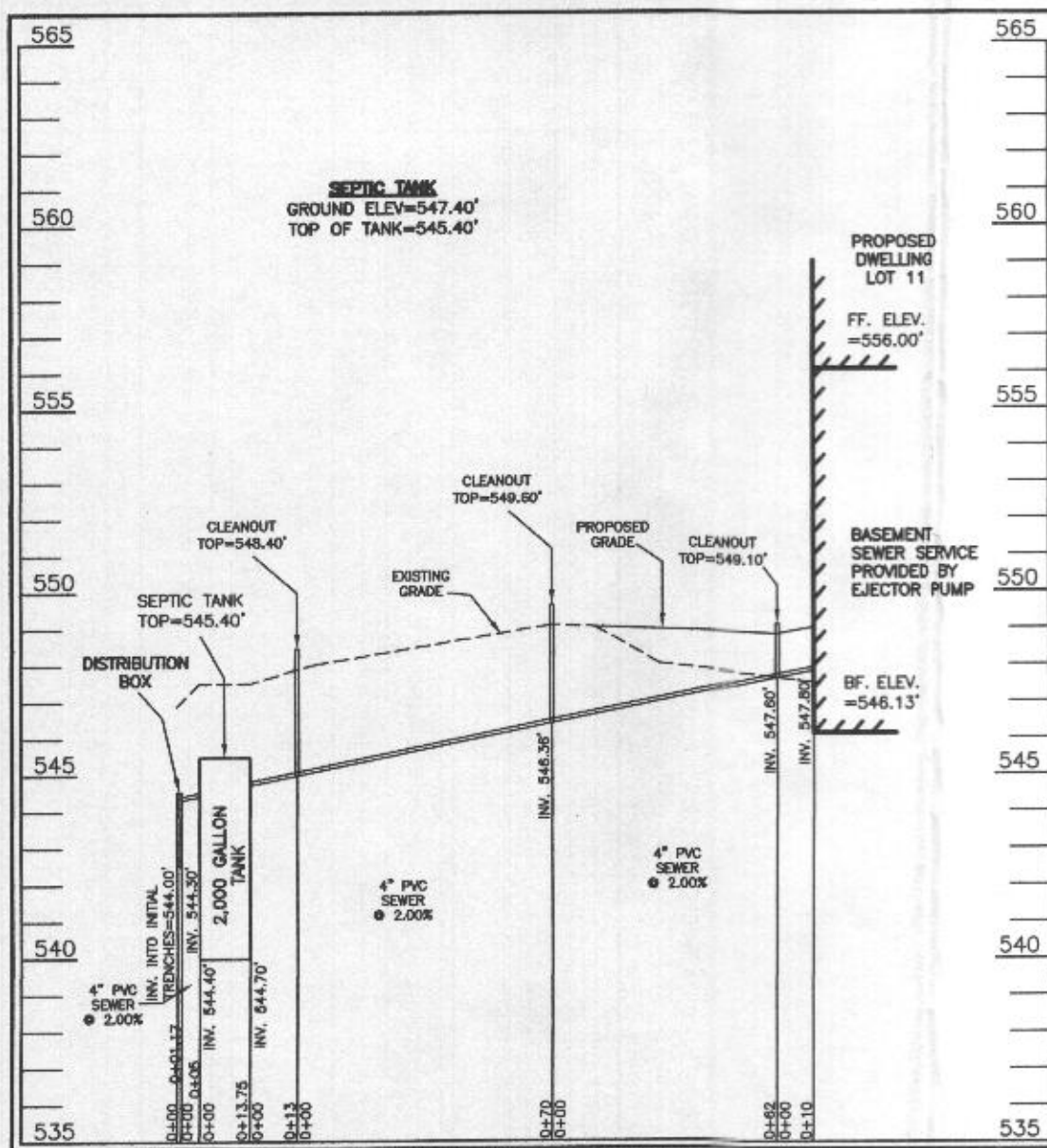
ENLARGEMENT SCALE 1" = 30'

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
- ▨ SEPTIC RESERVE AREA
- ▧ WELL BOX AREA
- PROPOSED TREE
- PROPOSED TREE

SEWAGE DISPOSAL SYSTEM DATA (7 BDRM):

- PROPOSED INVERT AT FOUNDATION WALL: 547.80'
- EX. GRADE OVER TANK: 547.50'
 PROPOSED GRADE OVER TANK: 547.50'
 INVERT IN: 544.70' INVERT OUT: 544.40'
 - DISTRIBUTION BOX
 EXISTING GRADE OVER TANK: 546.90'
 PROPOSED GRADE OVER TANK: 546.90'
 INVERT IN: 544.30' INVERT OUT: 544.00'
 - INITIAL TRENCH DESIGN (7 BDRM x 150 GPD/BDRM = 1,050 GPD)
 1,050 GPD ± 1.2 APP. RATE = 875 SF
 USE 3' WIDE TRENCH WITH 42" GRAVEL BELOW PIPE
 11' MIN. SPACING BETWEEN TRENCH EDGES
 875 SF ± 3' WIDTH = 291.67 LF x 0.45 (SIDEWALL REDUCTION) = 131.25 LF MIN.
USE 2 65.75' LONG TRENCHES = 131.50 LF
 - 1ST REPLACEMENT TRENCH DESIGN (7 BDRM x 150 GPD/BDRM = 1,050 GPD)
 1,050 GPD ± 1.2 APP. RATE = 875 SF
 USE 3' WIDE TRENCH WITH 66" GRAVEL BELOW PIPE
 11' MIN. SPACING BETWEEN TRENCH EDGES
 875 SF ± 3' WIDTH = 291.67 LF x 0.42 (SIDEWALL REDUCTION) = 122.50 LF MIN.
USE 2 61.25' LONG TRENCHES = 122.50 LF
 - 2ND REPLACEMENT TRENCH DESIGN (7 BDRM x 150 GPD/BDRM = 1,050 GPD)
 1,050 GPD ± 0.8 APP. RATE = 1,312.50 SF
 USE 3' WIDE TRENCH WITH 66" GRAVEL BELOW PIPE
 12' MIN. SPACING BETWEEN TRENCH EDGES
 1,312.50 SF ± 3' WIDTH = 437.50 LF x 0.38 (SIDEWALL REDUCTION) = 166.25 LF MIN.
USE 3 55.50' LONG TRENCH = 166.50 LF



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

SOILS LEGEND

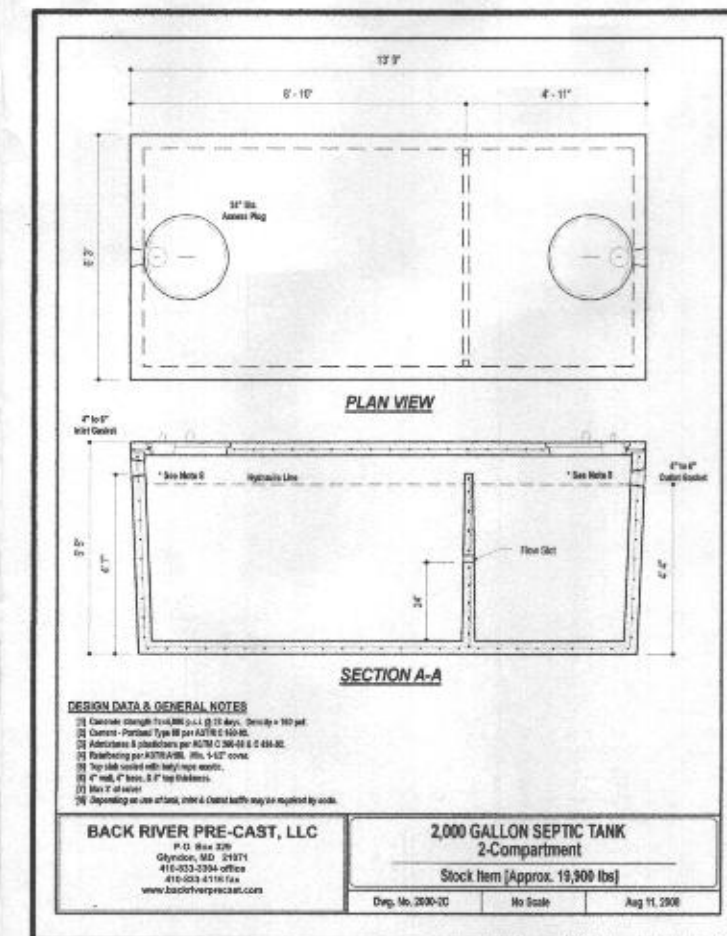
SOIL	NAME	CLASS	Kw
GgB	GLENELG LOAM, 3 TO 8 PERCENT SLOPES	B	.20
GmB	GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES	C	*** 37

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.

WELL LOCATION CERTIFICATION:

THE EXISTING WELL SHOWN FOR LOT 10 (TAG NO. HO-17-0321) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN HEREON.

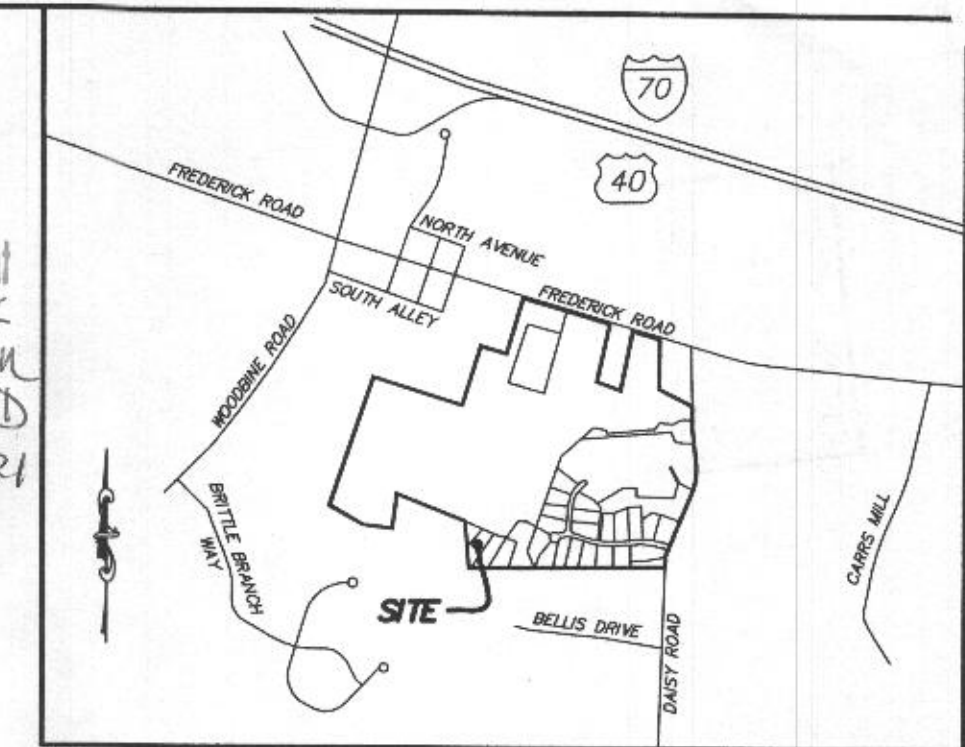


ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN
LOT 11
LINDEN GROVE
 LIBER 20050, FOLIO 39
 PLAT NO. 25071
 ELECTION DISTRICT No. 4
 HOWARD COUNTY, MARYLAND
 ADDRESS: 15649 LINDEN GROVE LANE
 WOODBINE, MARYLAND 21797

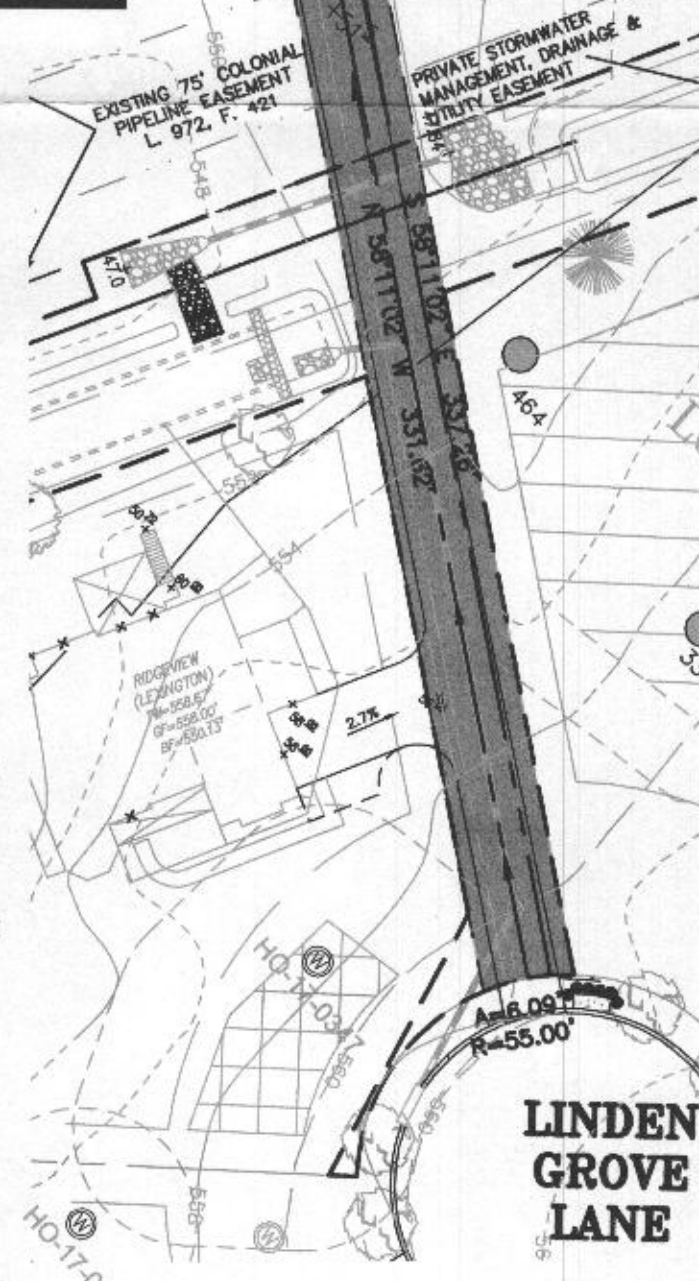
ESE CONSULTANTS
 ENGINEERING • PLANNING • SURVEYING • ENVIRONMENTAL

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

DATE: 02/11/2021 SCALE: 1" = 50' FILE: OSDS LOT 11_rev1
 CHK'D: M.J.B. JOB NO: 4683 DRAWN: R.C.K.

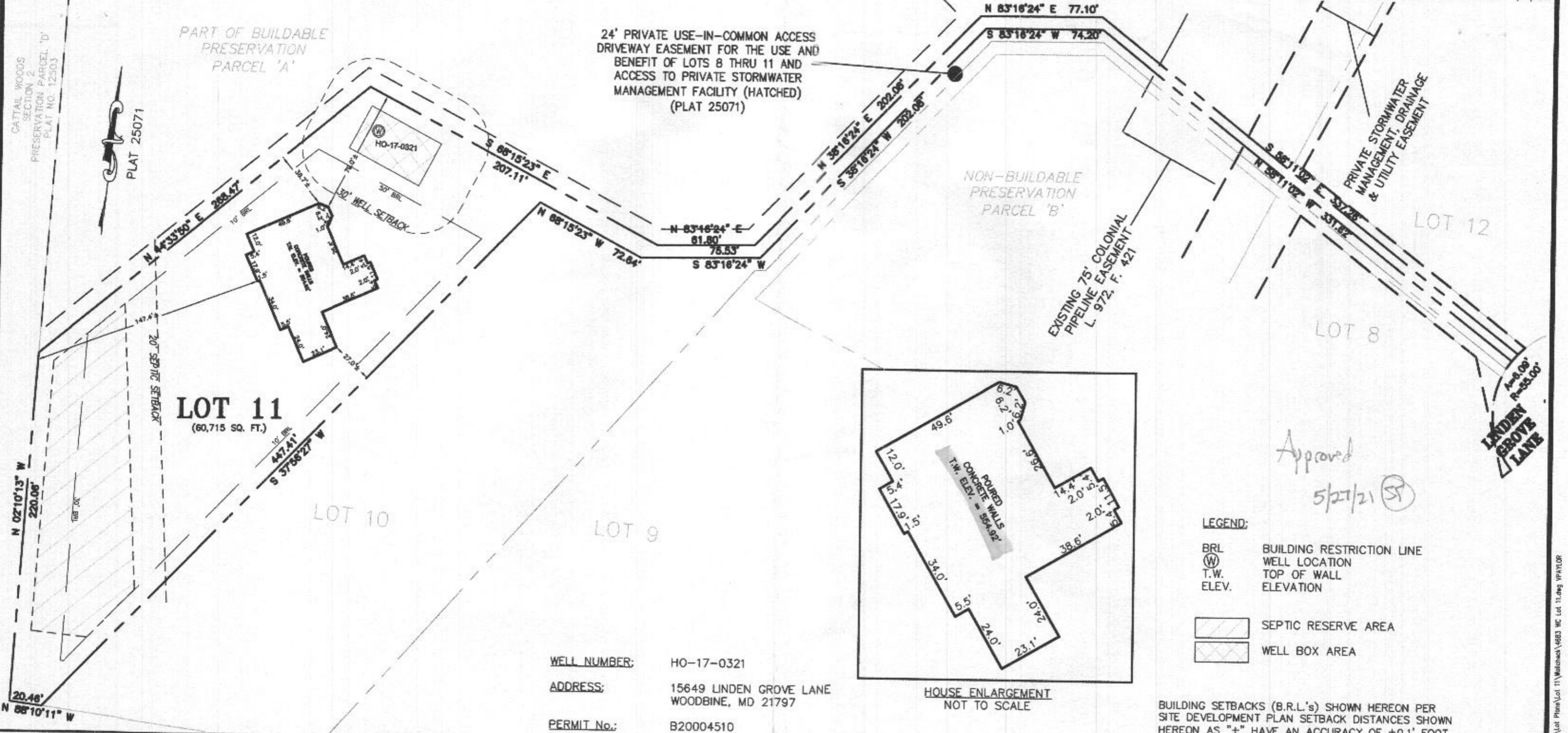


VICINITY MAP 1" = 1000'

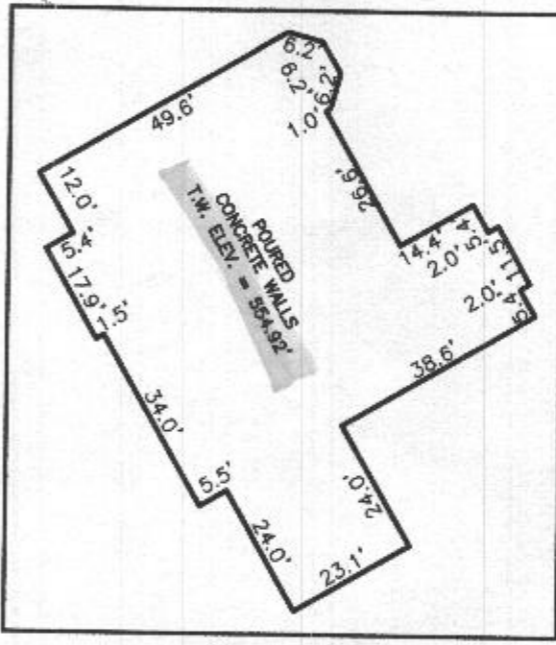


LINDEN GROVE LANE

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.



WELL NUMBER: HO-17-0321
 ADDRESS: 15649 LINDEN GROVE LANE WOODBINE, MD 21797
 PERMIT No.: B20004510



LEGEND:
 BRL BUILDING RESTRICTION LINE
 (W) WELL LOCATION
 T.W. TOP OF WALL ELEVATION
 SEPTIC RESERVE AREA
 WELL BOX AREA

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
 5/21/21 (SR)



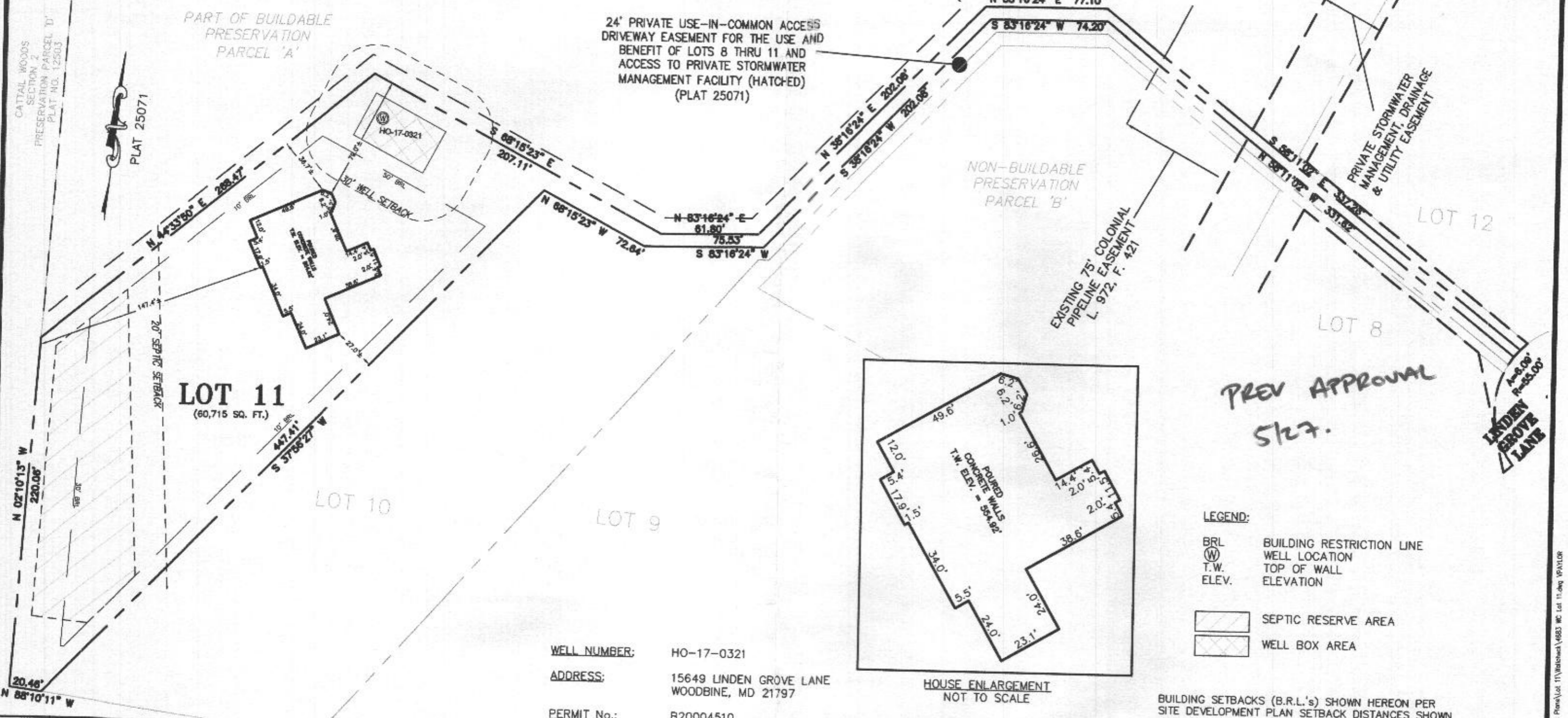
SURVEYOR'S CERTIFICATE
 THIS WALLCHECK WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT. THIS PROPERTY IS SUBJECT TO ANY AND ALL EASEMENTS, RIGHT-OF-WAYS, COVENANTS, AND RESTRICTIONS, ETC. OF RECORD, SOME OR ALL OF WHICH MAY OR MAY NOT BE SHOWN AND/OR REFERENCED HEREON. BEARINGS AND DISTANCES 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 4/14/21
 MD. LIC NO. DATE

WALLCHECK
 LOT 11
LINDEN GROVE
 LIBER 15899, FOLIO 246
 PLAT NO. 25071
 ELECTION DISTRICT No. 4
 HOWARD COUNTY, MARYLAND

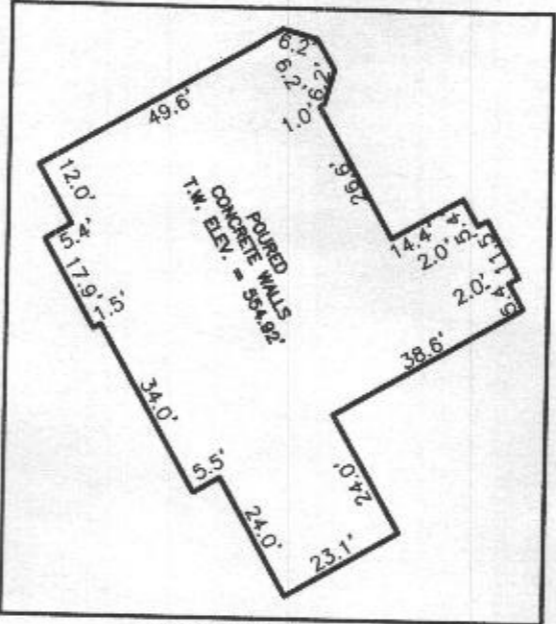
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 ESE Consultants, Inc.
 7184 Columbia Gateway Drive • Suite 230 • Columbia, MD 21046
 T: 410-872-9105

DATE: 04/14/2021 SCALE: 1"=60' FILE: WC LOT 11
 CHK'D: M.J.B. JOB NO: 4683 DRAWN: V.X.P.

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WELL NUMBER: HO-17-0321
 ADDRESS: 15649 LINDEN GROVE LANE
 WOODBINE, MD 21797
 PERMIT No.: B20004510



HOUSE ENLARGEMENT
NOT TO SCALE

- LEGEND:**
- BRL BUILDING RESTRICTION LINE
 - W WELL LOCATION
 - T.W. TOP OF WALL ELEVATION
 - SEPTIC RESERVE AREA
 - WELL BOX AREA

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SIGNATURE: *Michael Joe Boyce* 21328 4/14/21
 MD. LIC. NO. DATE

WALLCHECK
 LOT 11
LINDEN GROVE
 LIBER 15899, FOLIO 246
 PLAT NO. 25071
 ELECTION DISTRICT No. 4
 HOWARD COUNTY, MARYLAND

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DATE: 04/14/2021 SCALE: 1"=60' FILE: WC LOT 11
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