



**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

Facebook: www.facebook.com/hocohealth

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

P 509529

APPROVAL DATE: _____ **PERMIT: CONSTRUCTION**

A _____

PROPERTY ADDRESS: 15645 LINDEN GROVE LANE, WOODBINE, MD 21797

SUBDIVISION: LINDEN GROVE, PHASE 1 LOT: 10 TAX ID: 04-601889

CONTRACTOR: Chris Enterprises, LLC EMAIL: Sedrick@chrisenterprisesllc.com

CONTRACTOR ADDRESS: 23 East Wendle Street, Bel Air, MD 21014 PHONE: 410-557-2455

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): 1500 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: 5 APPLICATION RATE: 1.2

TRENCHES:	LINEAR FEET REQUIRED: <u>88</u>	INLET DEPTH: <u>3.0</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>7.0</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>12</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 TWO CLEANOUTS IN SHC, AS ILLUSTRATED.	

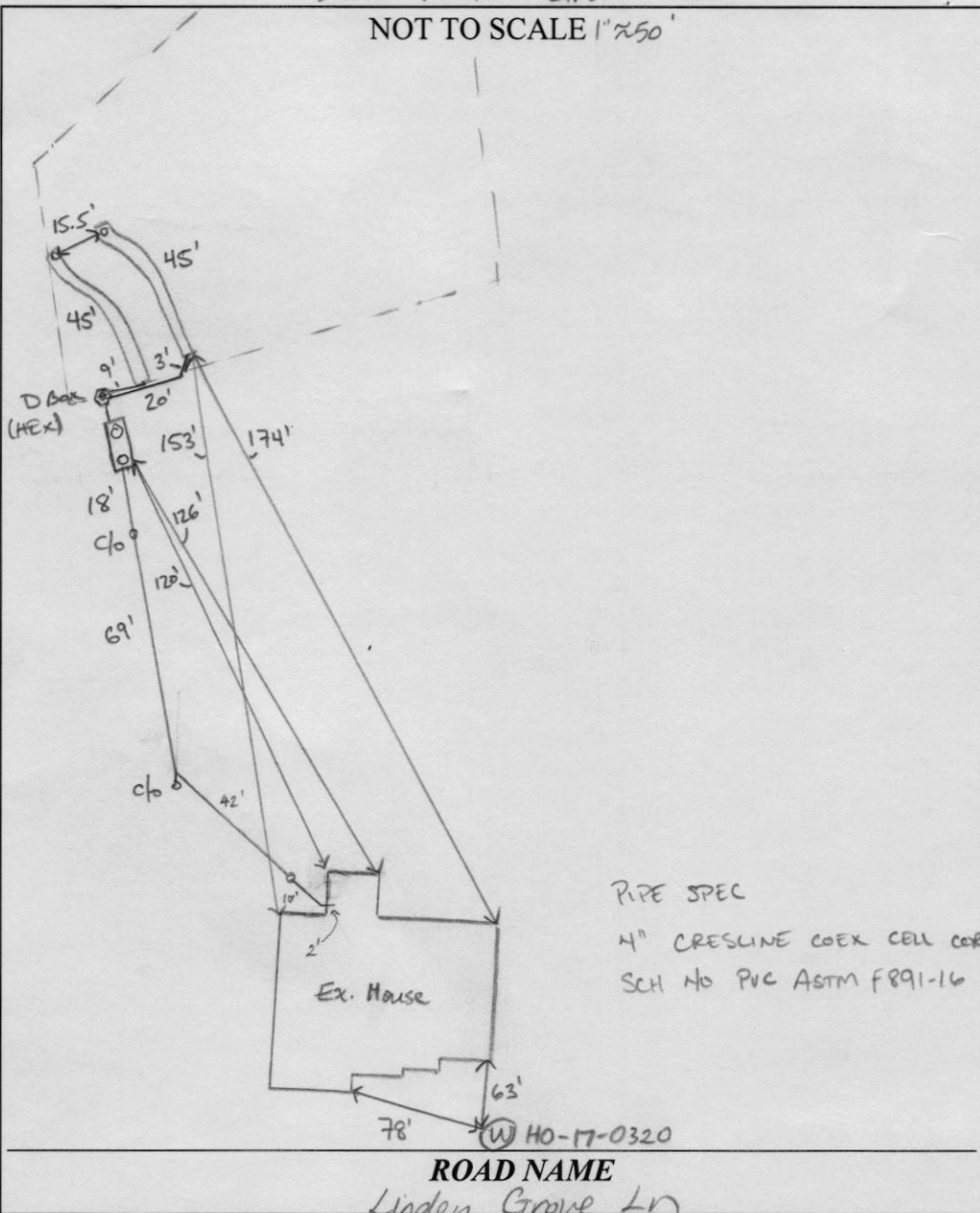
ISSUED BY: R BRICKER ISSUE DATE: _____ EXPIRATION DATE: 5-25-22

- 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 DOWNGRADE 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.**

15645 Linden Grove Ln

NOT TO SCALE 1" = 50'



PIPE SPEC

4" CRESLINE COEX CELL CORE
SCH 40 PVC ASTM F891-16

Ex. House

W HO-17-0320

ROAD NAME

Linden Grove Ln

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3'	3'	7'
NUMBER OF TRENCHES		2
TOTAL LENGTH		90'
ABSORPTION AREA		270 SF + 4' SIDE WALL
DISTRIBUTION BOX LEVEL		SPEED
DISTRIBUTION BOX BAFFLE		YES
DISTRIBUTION BOX PORT		YES

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL	YES
MANUFACTURER	BABYLON
CAPACITY	1500 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	06/18/2021

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:

6/23/21 2x44' trenches staked out on contour according to plan. (S)

INSTALLATION: 6/24/21 SHC and SL constructed (S) 06/25/2021 SL COMPLETE; TANK SET; D.B. Box INSTALLED AND LEVELLED w/ SPEED LEVELS; TRENCHES COMPLETE (S)

FINAL INSPECTOR

[Signature]

DATE OF APPROVAL

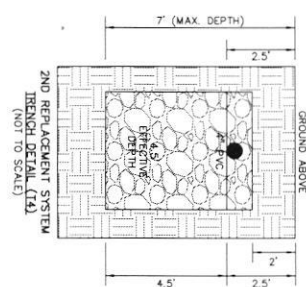
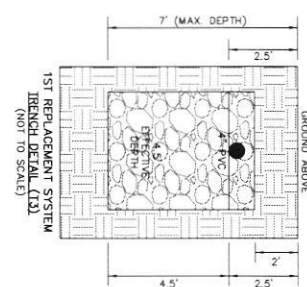
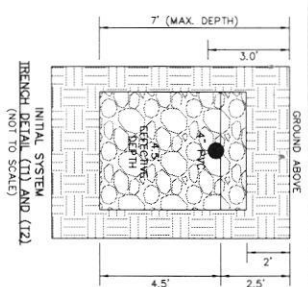
06/25/2021

HOUSE OPTIONS:

- HOUSE TYPE: SEMI-DETACHED (GARAGES)
- TWO CAR SIZE ENTRY GARAGE
- FINISHED LOWER LEVEL
- ADDITIONAL SINGLE WINDOW
- OPTIONAL BATH FOR FINISHED LOWER LEVEL
- DOUBLE WIDE DRIVEWAY TAIL
- WALK-OUT LUXURY COVERED DECK
- OPTION 2021B BEDROOM FOR FINISHED LOWER LEVEL

- OPTION NO. 012
- OPTION NO. 013
- OPTION NO. 187
- OPTION NO. 283
- OPTION NO. 801
- OPTION NO. 283180A
- OPTION NO. 283180B
- OPTION NO. 283180C

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. 21228. EXPIRATION DATE: 1/8/23

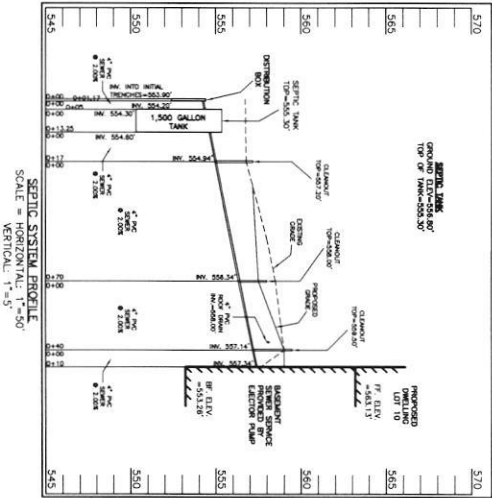
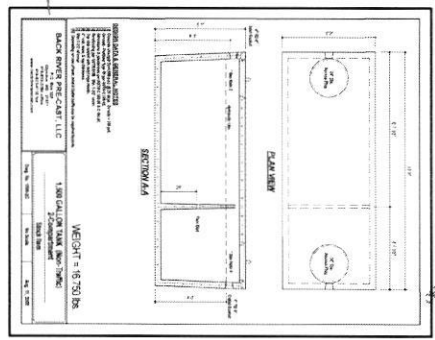
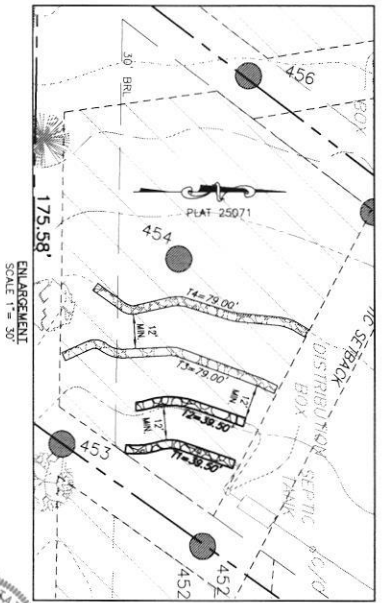


INITIAL TRENCH DATA

BOTTOM MAX. DEPTH (7')

TRENCH 1 (T1): 29.50 LF
GROUND ABOVE = 556.40'
BOTTOM TRENCH = 549.40'

TRENCH 2 (T2): 29.50 LF
GROUND ABOVE = 555.80'
BOTTOM TRENCH = 548.80'



- LOT 10 (6 BEDROOM CALCULATION)**
- SEWAGE DISPOSAL SYSTEM DATA (6 BEDRM)**
- PROPOSED INVERT AT FOUNDATION WALL: 557.24'
- EX GRADE OVER TANK: 556.80'
 - PROPOSED GRADE OVER TANK: 556.80'
 - INVERT IN: 554.60' INVERT OUT: 553.30'
- 2 DISTRIBUTION BOX**
- PROPOSED GRADE OVER TANK: 556.70'

INVERT IN: 554.20' INVERT OUT: 553.80'
 - INITIAL TRENCH DESIGN (5 BEDRM x 250 GPD/BDRM = 750 GPD)
 - 2ND REPLACEMENT TRENCH DESIGN (5 BEDRM x 150 GPD/BDRM = 750 GPD)
 - 3RD REPLACEMENT TRENCH DESIGN (5 BEDRM x 150 GPD/BDRM = 750 GPD)
 - 4TH REPLACEMENT TRENCH DESIGN (5 BEDRM x 150 GPD/BDRM = 750 GPD)
 - 5TH REPLACEMENT TRENCH DESIGN (5 BEDRM x 150 GPD/BDRM = 750 GPD)
 - 6TH REPLACEMENT TRENCH DESIGN (5 BEDRM x 150 GPD/BDRM = 750 GPD)
 - 7TH REPLACEMENT TRENCH DESIGN (5 BEDRM x 150 GPD/BDRM = 750 GPD)
 - 8TH REPLACEMENT TRENCH DESIGN (5 BEDRM x 150 GPD/BDRM = 750 GPD)
 - 9TH REPLACEMENT TRENCH DESIGN (5 BEDRM x 150 GPD/BDRM = 750 GPD)
 - 10TH REPLACEMENT TRENCH DESIGN (5 BEDRM x 150 GPD/BDRM = 750 GPD)
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 - 100TH REPLACEMENT TRENCH DESIGN (5 BEDRM x 150 GPD/BDRM = 750 GPD)

- LEGEND:**
- SEWER BOX
 - SEWER LINE
 - SEWER MANHOLE
 - SEPTIC TANK
 - PROPOSED GRADE OVER TANK
 - INVERT IN
 - INVERT OUT
 - SEPTIC RESERVE AREA
 - WELL BOY AREA
 - PROPOSED WELL
 - PROPOSED TREE
 - PROPOSED TREE
- WELL LOCATION CERTIFICATION:**
- THE EXISTING WELL SHOWN FOR LOT 10 (TAG NO. HO-17-0220) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN HEREON.

ON-SITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN

LOT 10

LINDEN GROVE

LIBER 15899, FOLIO 246

PLAT NO. 25071

ELECTION DISTRICT No. 4

HOWARD COUNTY, MARYLAND

ADDRESS: 15645 LINDEN GROVE LANE

WOODBINE, MARYLAND 21797

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 UNLESS OTHERWISE SPECIFIED. THESE AREAS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SANITATION SYSTEM. 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' OF THE PROPERTY AND THOSE SEPTIC SYSTEMS OR SEWAGE DISPOSAL AREAS HAVE BEEN SHOWN.
- ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED RECORDATION CERTIFICATION PLAN.
- BUILDING SETBACKS (B.R.L.S.) SHOWN HEREON PER SITE DEVELOPMENT PLAN SETBACK, DISTANCES SHOWN HEREON AS "X" HAVE AN ACQUISITION OF 25% FROM.
- ANY CHANGES TO THE LOCATIONS OR DEPTHS TO ANY WELLS, SEPTIC SYSTEMS, OR SEWAGE DISPOSAL AREAS SHALL REQUIRE 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 OS Z. CONTOUR INTERVAL AND FIELD VERIFIED BY FISHER, COLLINS AND CARTER, INC.

DATE: 12/09/2020

SCALE: 1" = 30'

JOB NO.: 4683

FILE: 0055 LOT 10

DRAWN: R.C.K.

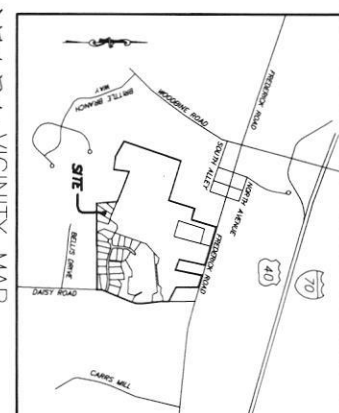
ESE CONSULTANTS

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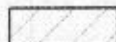
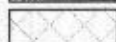
7164 Calabazas Gateway Drive • Suite 200 • Columbia, MD 21046

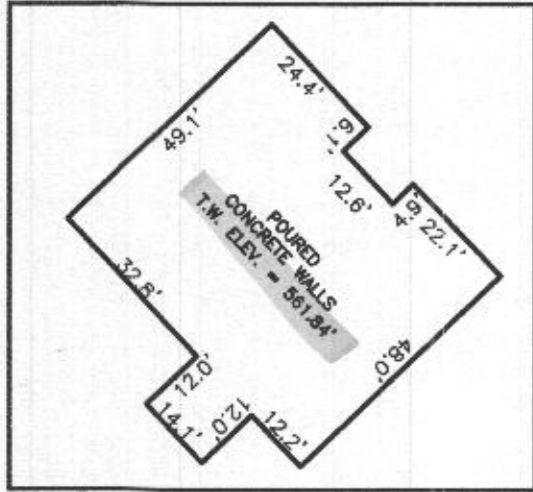
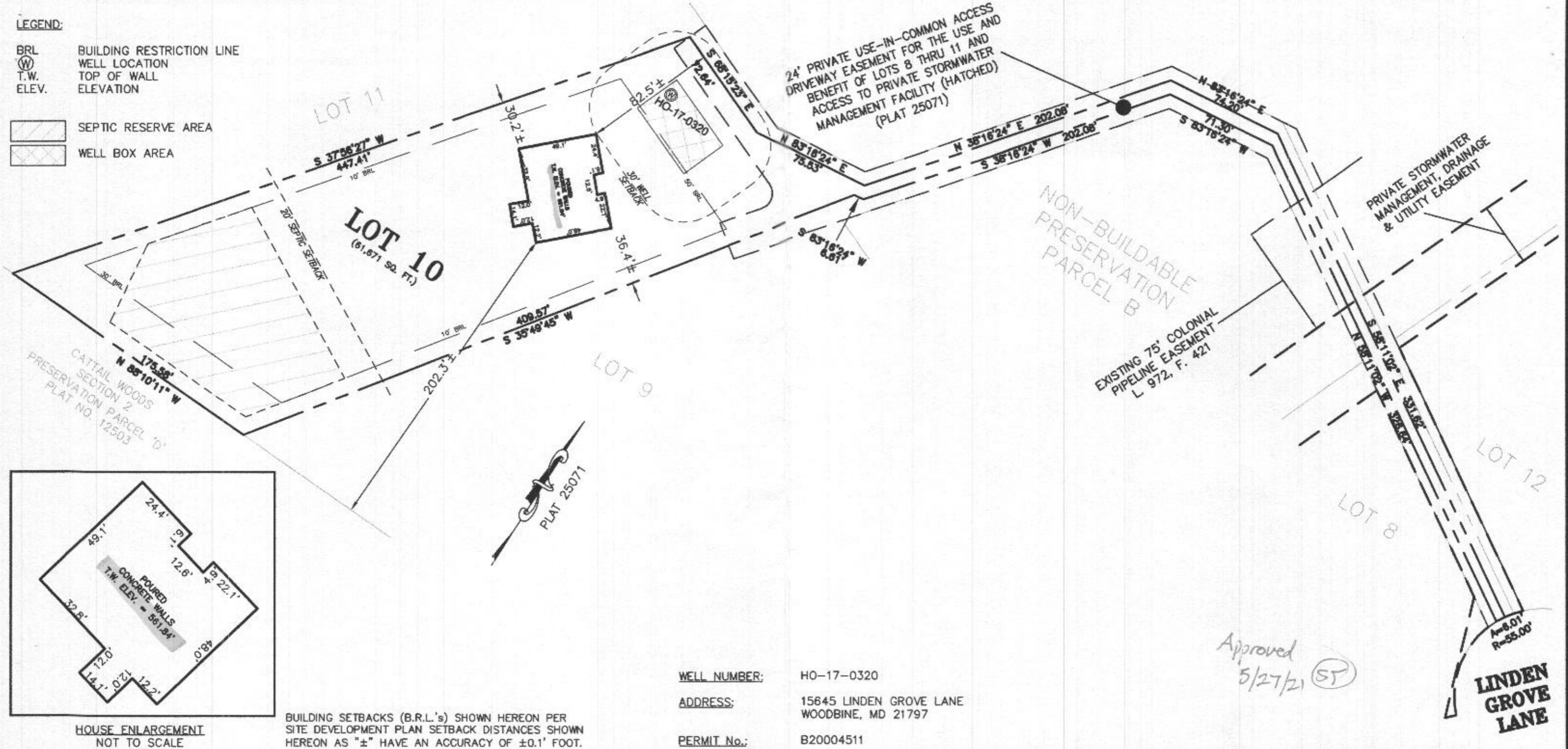
T: 410-973-9105



LEGEND:

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

 SEPTIC RESERVE AREA
 WELL BOX AREA



HOUSE ENLARGEMENT
 NOT TO SCALE

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

WELL NUMBER: HO-17-0320
 ADDRESS: 15645 LINDEN GROVE LANE
 WOODBINE, MD 21797
 PERMIT No.: B20004511

Approved
 5/27/21 (ST)

LINDEN GROVE LANE

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 4/14/21
 SIGNATURE: MICHAEL JOE BOYCE MD. LIC NO. DATE

WALLCHECK
 LOT 10
LINDEN GROVE
 LIBER 15899, FOLIO 246
 PLAT NO. 25071
 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: 04/14/2021 SCALE: 1" = 60' FILE: WC LOT 10
 CHK'D: M.J.B. JOB NO: 4683 DRAWN: V.X.P.

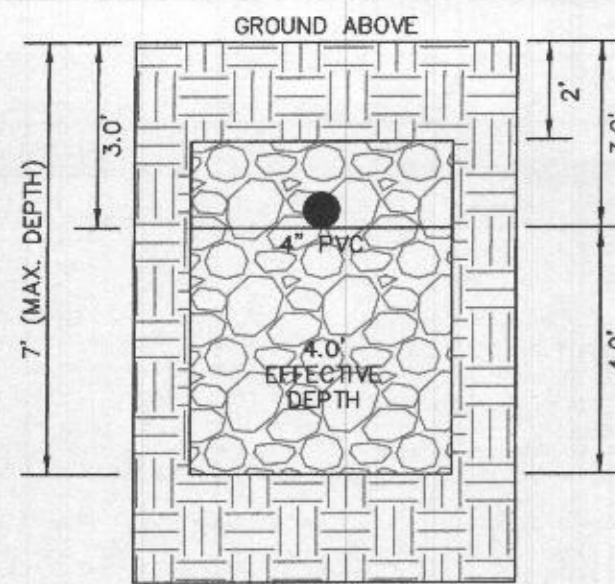


PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21328, EXPIRATION DATE 1/8/23.

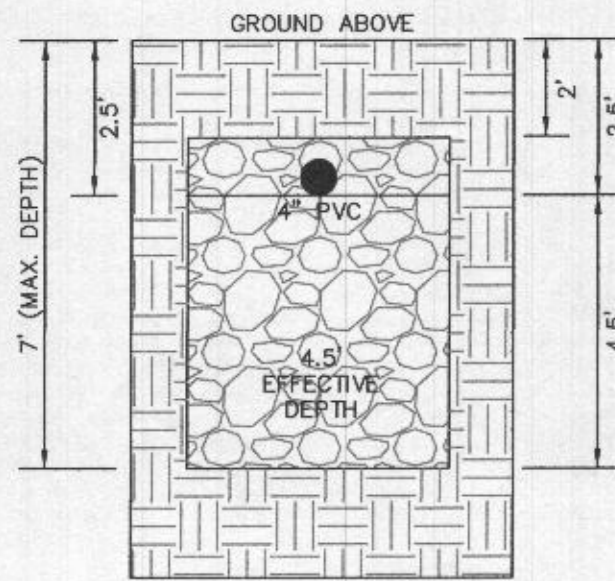
HOUSE OPTIONS:

HOUSE TYPE: RENWICK (CRAFTSMAN)

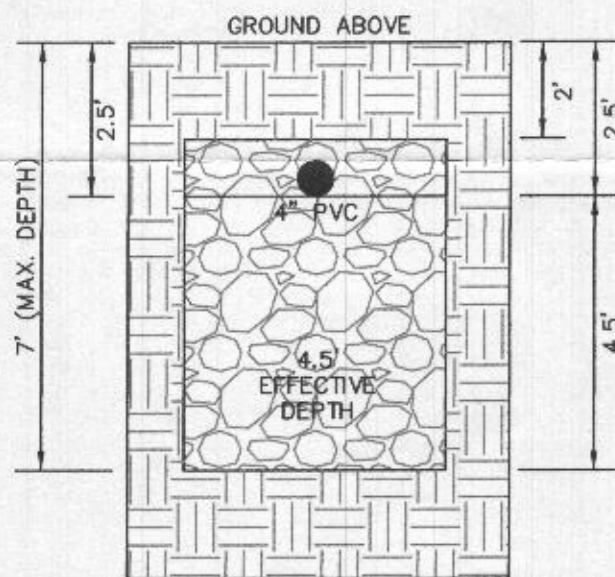
- TWO CAR SIDE ENTRY GARAGE
 - FINISHED LOWER LEVEL
 - WALK-OUT BASEMENT
 - ADDITIONAL SINGLE WINDOW
 - OPTIONAL BATH FOR FINISHED LOWER LEVEL
 - WET BAR FOR FINISHED LOWER LEVEL
 - DOUBLE WIDE DRIVEWAY TAIL
 - WALK-OUT LUXURY COVERED DECK
 - OPTION 263216 BEDROOM FOR FINISHED LOWER LEVEL
- OPTION NO. 012
 - OPTION NO. 013
 - OPTION NO. 017
 - OPTION NO. 187
 - OPTION NO. 383
 - OPTION NO. 561
 - OPTION NO. 851
 - OPTION NO. 263169
 - OPTION NO. 90010006



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



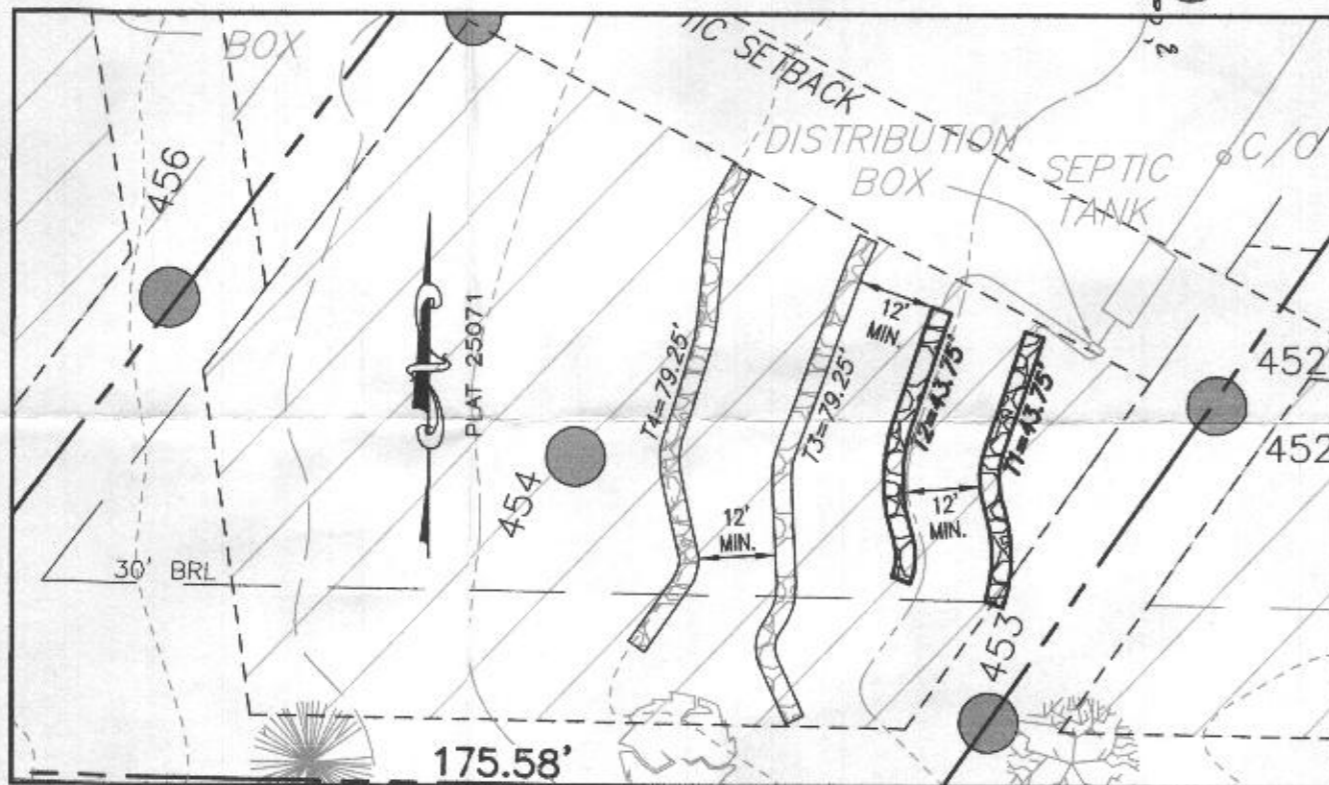
1ST REPLACEMENT SYSTEM TRENCH DETAIL (T3) (NOT TO SCALE)



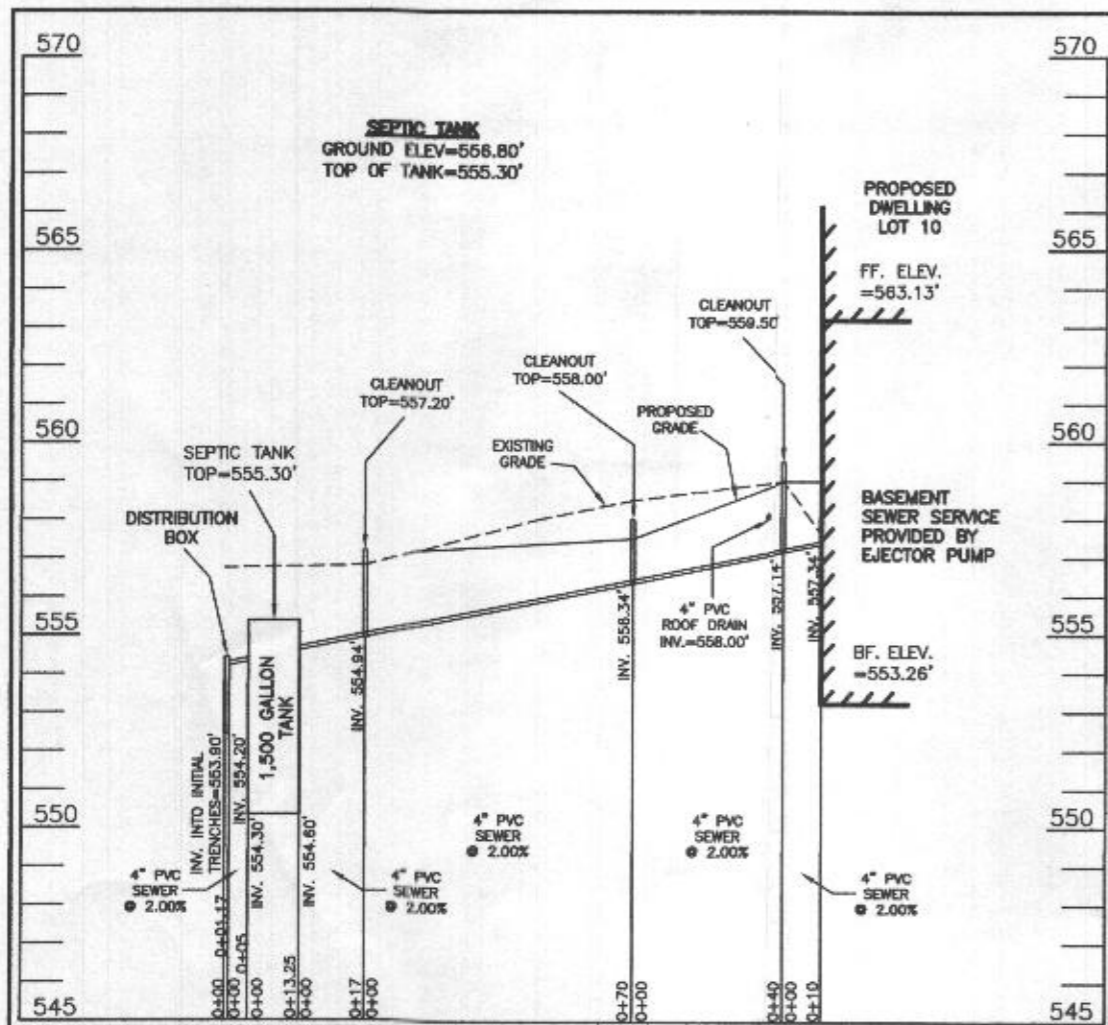
2ND REPLACEMENT SYSTEM TRENCH DETAIL (T4) (NOT TO SCALE)

INITIAL TRENCH DATA:

- BOTTOM MAX. DEPTH (7')
- TRENCH 1 (T1): 43.75 LF.
GROUND ABOVE = 556.40'
INV. IN = 553.40'
BOTTOM TRENCH = 549.40'
- TRENCH 2 (T2): 43.75 LF.
GROUND ABOVE = 555.80'
INV. IN = 552.80'
BOTTOM TRENCH = 548.80'



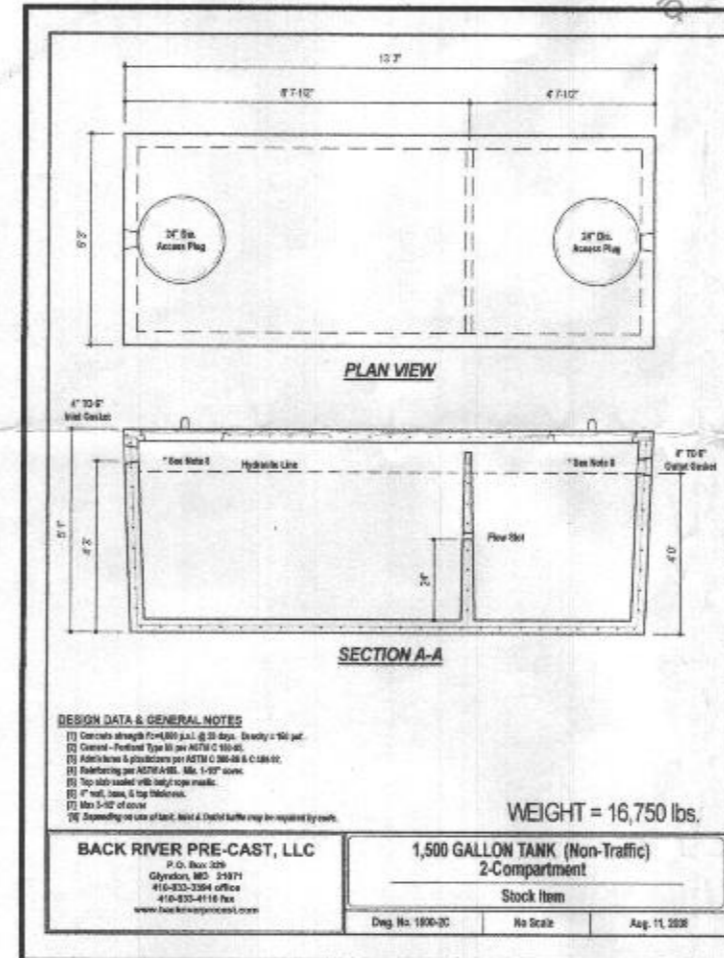
ENLARGEMENT SCALE 1" = 30'



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

SEWAGE DISPOSAL SYSTEM DATA (5 BDRM):

- PROPOSED INVERT AT FOUNDATION WALL: 557.34'
- 1. EX. GRADE OVER TANK: 556.80'
PROPOSED GRADE OVER TANK: 556.80'
INVERT IN: 554.60' INVERT OUT: 554.30'
- 2. DISTRIBUTION BOX
EXISTING GRADE OVER TANK: 556.70'
PROPOSED GRADE OVER TANK: 556.70'
INVERT IN: 554.20' INVERT OUT: 553.90'
- 3. INITIAL TRENCH DESIGN (5 BDRM x 150 GPD/BDRM = 750 GPD)
750 GPD ÷ 1.2 APP. RATE = 625 SF
USE 3' WIDE TRENCH WITH 48" GRAVEL BELOW PIPE
12' MIN. SPACING BETWEEN TRENCH EDGES
625 SF ÷ 3' WIDTH = 208.33 LF x 0.42 (SIDEWALL REDUCTION) = 87.50 LF MIN.
USE 2 43.75' LONG TRENCHES = 87.50 LF
- 4. 1ST REPLACEMENT TRENCH DESIGN (5 BDRM x 150 GPD/BDRM = 750 GPD)
750 GPD ÷ 1.2 APP. RATE = 625 SF
USE 3' WIDE TRENCH WITH 54" GRAVEL BELOW PIPE
12' MIN. SPACING BETWEEN TRENCH EDGES
625 SF ÷ 3' WIDTH = 208.33 LF x 0.38 (SIDEWALL REDUCTION) = 79.17 LF MIN.
USE 1 79.25' LONG TRENCHES = 79.25 LF
- 5. 2ND REPLACEMENT TRENCH DESIGN (5 BDRM x 150 GPD/BDRM = 750 GPD)
750 GPD ÷ 1.2 APP. RATE = 625 SF
USE 3' WIDE TRENCH WITH 54" GRAVEL BELOW PIPE
12' MIN. SPACING BETWEEN TRENCH EDGES
625 SF ÷ 3' WIDTH = 208.33 LF x 0.38 (SIDEWALL REDUCTION) = 79.17 LF MIN.
USE 1 79.25' LONG TRENCH = 79.25 LF



DESIGN DATA & GENERAL NOTES:
 1) Capacity: 1,500 Gallons (Non-Traffic)
 2) Material: Polyethylene
 3) Inlet: 4" PVC
 4) Outlet: 4" PVC
 5) Floor: 12" MIN.
 6) Wall: 12" MIN.
 7) Height: 48" MIN.
 8) Weight: 16,750 lbs.
 BACK RIVER PRE-CAST, LLC
 1,500 GALLON TANK (Non-Traffic)
 2-Compartment
 Stock Item
 Dwg No. 1800-02 No Scale Aug. 11, 2008

LEGEND:

- BRL BUILDING RESTRICTION LINE
- WELL LOCATION
- T.W. TOP OF WALL
- G.F. GARAGE FLOOR
- B.F. BASEMENT FLOOR
- PA PASSED PERC LOCATION
- FA FAILED PERC LOCATION
- SEPTIC RESERVE AREA
- WELL BOX AREA
- PROPOSED TREE
- PROPOSED TREE

WELL LOCATION CERTIFICATION:

THE EXISTING WELL SHOWN FOR LOT 10 (TAG NO. HO-17-0320) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN HEREON.

ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN
 LOT 10
LINDEN GROVE
 LIBER 15899, FOLIO 246
 PLAT NO. 25071
 ELECTION DISTRICT No. 4
 HOWARD COUNTY, MARYLAND
 ADDRESS: 15645 LINDEN GROVE LANE
 WOODBINE, MARYLAND 21797

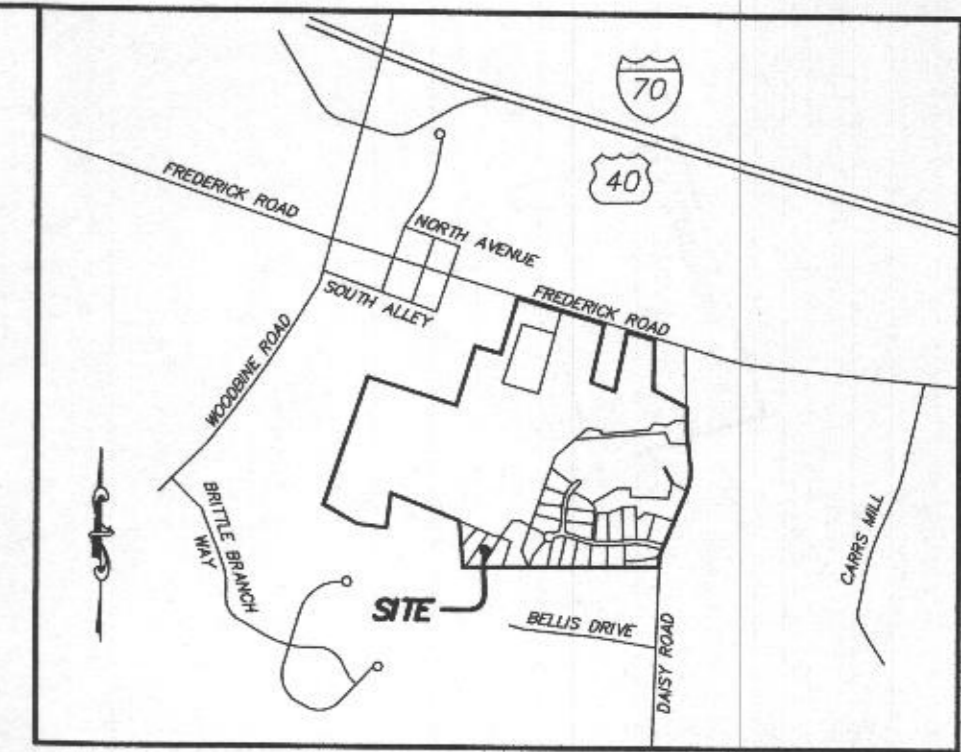
SOILS LEGEND

SOIL	NAME	CLASS	Kw
GgB	GLENELG LOAM, 3 TO 8 PERCENT SLOPES	B	.20

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 10_rev1
 CHK'D: M.J.B. JOB NO: 4683 DRAWN: R.C.K.



VICINITY MAP 1" = 1000'

Approved Septic System Plan
 Howard County Health Department
 5000 Gal. Septic Tank
 To Gravity Distribution SFD
 for 5-Bedroom SFD
 3/0/21
 [Signature]

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



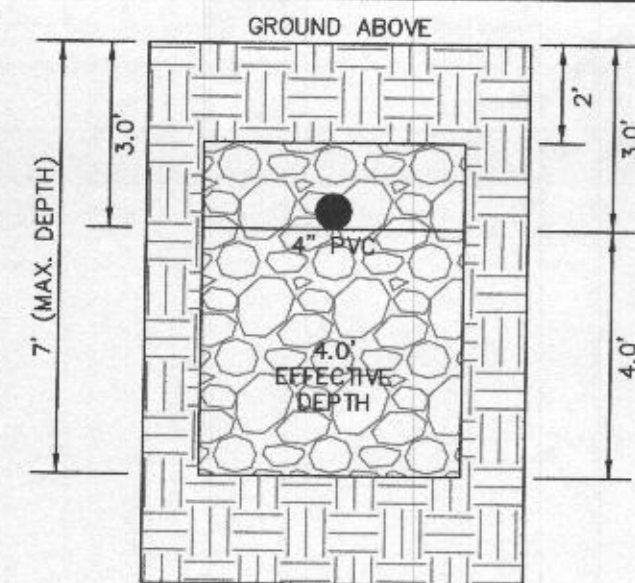
LINDEN GROVE LANE

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.

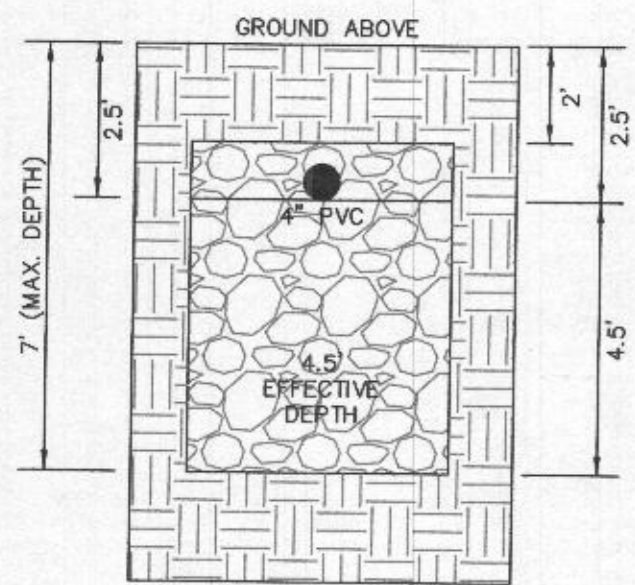
HOUSE OPTIONS:

HOUSE TYPE: RENWICK (CRAFTSMAN)

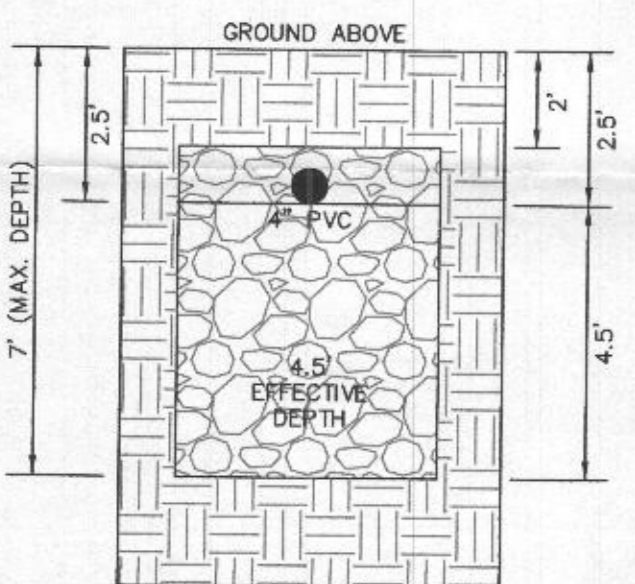
- TWO CAR SIDE ENTRY GARAGE
 - FINISHED LOWER LEVEL
 - WALK-OUT BASEMENT
 - ADDITIONAL SINGLE WINDOW
 - OPTIONAL BATH FOR FINISHED LOWER LEVEL
 - WET BAR FOR FINISHED LOWER LEVEL
 - DOUBLE WIDE DRIVEWAY TAIL
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 - OPTION NO. 187
 - OPTION NO. 383
 - OPTION NO. 561
 - OPTION NO. 551
 - OPTION NO. 263169
 - OPTION NO. 90010006



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



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



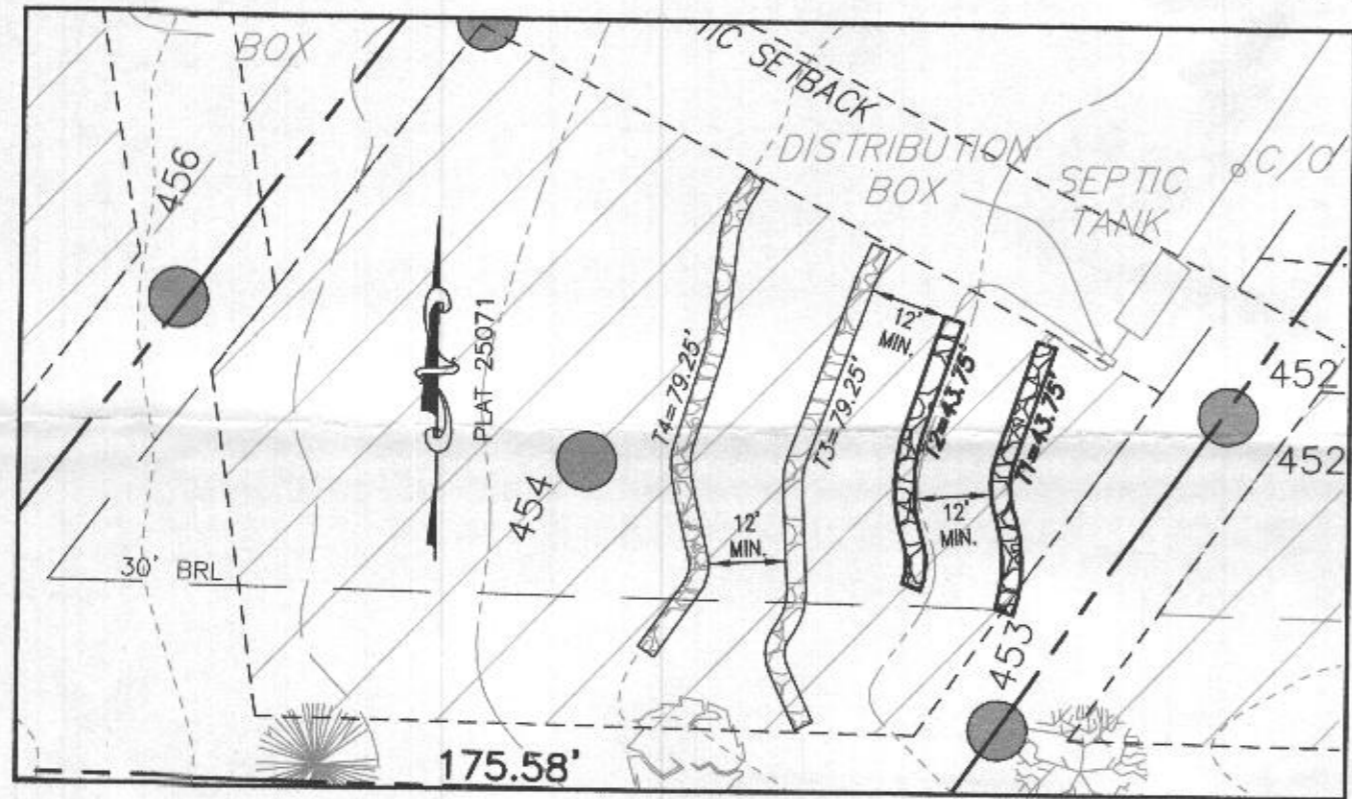
2ND REPLACEMENT SYSTEM TRENCH DETAIL (T4) (NOT TO SCALE)

INITIAL TRENCH DATA

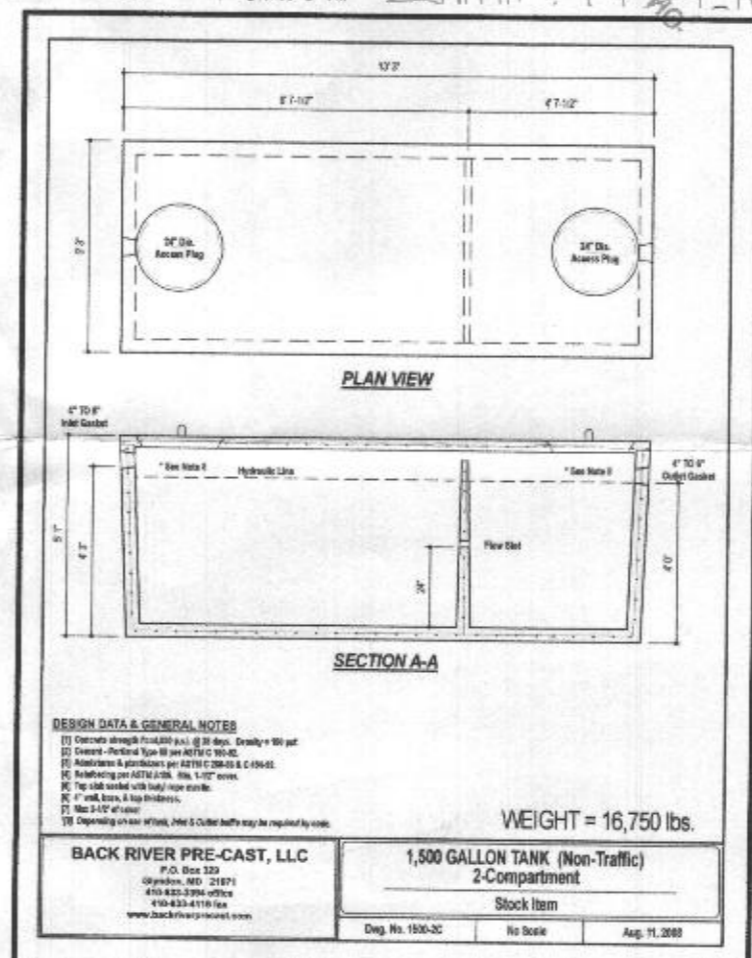
BOTTOM MAX. DEPTH (7')

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 INV. IN = 553.40'
 BOTTOM TRENCH = 549.40'

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 GROUND ABOVE = 555.80'
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 BOTTOM TRENCH = 548.80'



ENLARGEMENT SCALE 1" = 30'



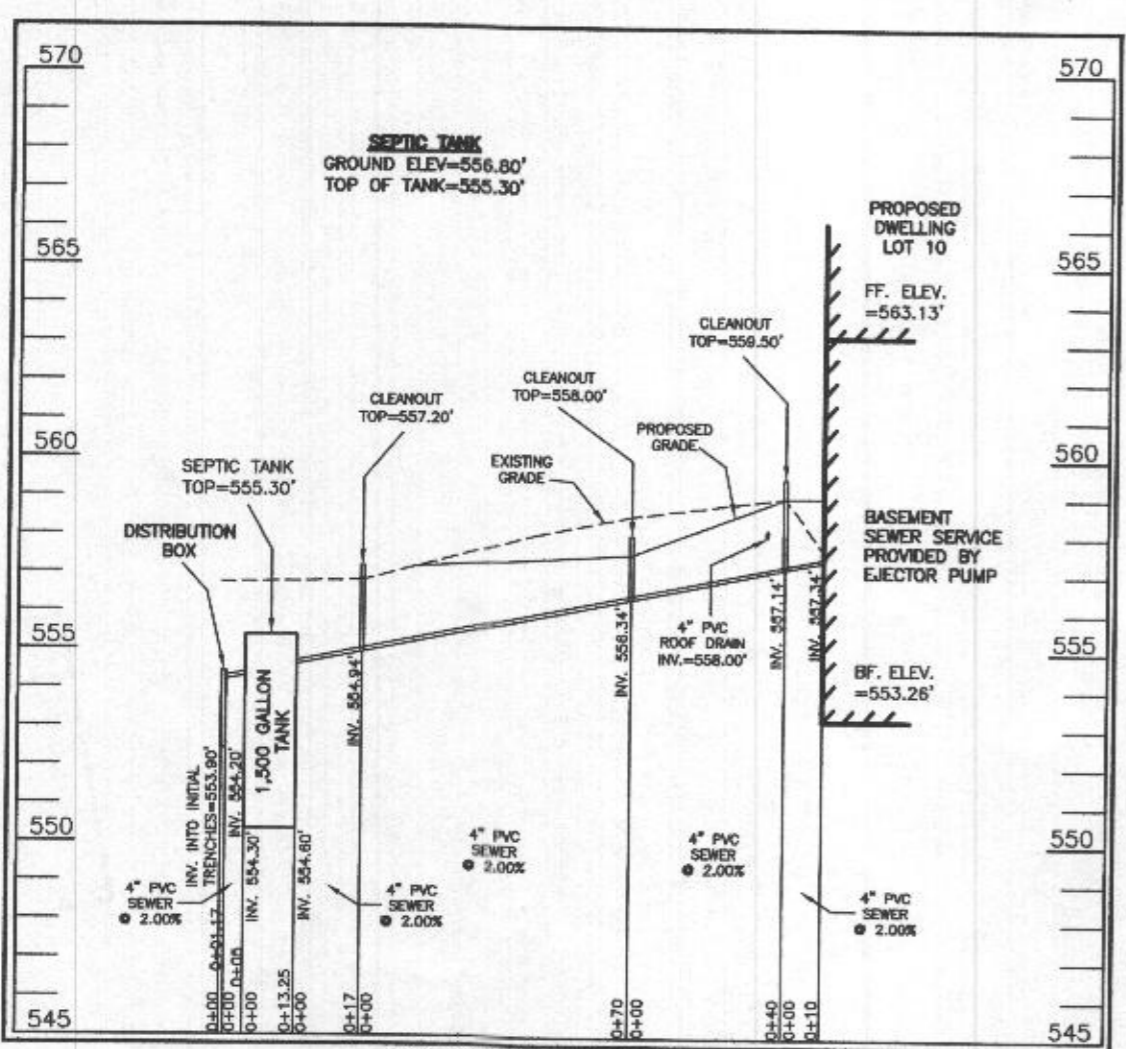
WEIGHT = 16,750 lbs.

BACK RIVER PRE-CAST, LLC
 20,000 Sq. Ft.
 4750 S. WOODBINE RD.
 WOODBINE, MD 21797
 410-438-1100
 www.backriverprecast.com

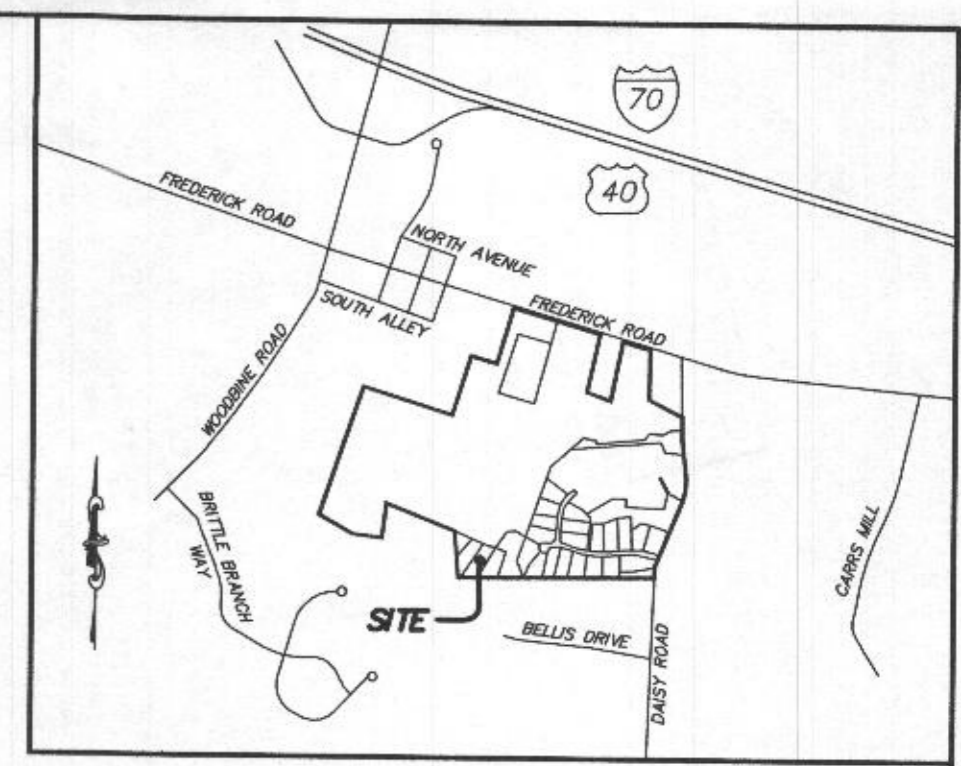
- LEGEND:**
- BRL BUILDING RESTRICTION LINE
 - WELL LOCATION
 - T.W. TOP OF WALL
 - G.F. GARAGE FLOOR
 - B.F. BASEMENT FLOOR
 - PASSED PERC LOCATION
 - FAILED PERC LOCATION
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 - WELL BOX AREA
 - PROPOSED TREE
 - PROPOSED TREE

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VICINITY MAP 1" = 1000'

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

SOILS LEGEND

SOIL	NAME	CLASS	Kw
GgB	GLENELG LOAM, 3 TO 8 PERCENT SLOPES	B	.20

WELL LOCATION CERTIFICATION:

THE EXISTING WELL SHOWN FOR LOT 10 (TAG NO. HO-17-0320) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN HEREON.

ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN
 LOT 10
LINDEN GROVE
 LIBER 15899, FOLIO 246
 PLAT NO. 25071
 ELECTION DISTRICT No. 4
 HOWARD COUNTY, MARYLAND
 ADDRESS: 15645 LINDEN GROVE LANE
 WOODBINE, MARYLAND 21797

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

DATE: 02/11/2021 SCALE: 1" = 50' FILE: OSDS LOT 10_rev1
 CHK'D: M.J.B. JOB NO: 4683 DRAWN: R.C.K.