



**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: 11/16/22 **ONSITE SEWAGE DISPOSAL SYSTEM**

P 572092

APPROVAL DATE: 12/16/2023 **PERMIT: CONSTRUCTION**

A _____

PROPERTY ADDRESS: 1449 HERITAGE RIDGE ROAD, WOODBINE, MD 21797

SUBDIVISION: LINDEN GROVE, PHASE 2 LOT: 32 TAX ID: 04-603254

CONTRACTOR: CHAVIS ENTERPRISES & SEPTIC SERVICES EMAIL: Ryan@chavisenterprisesllc.com

CONTRACTOR ADDRESS: 23 EAST ELLENDALE, BEL AIR, MD 21014 PHONE: (410)838-3007

PROPERTY OWNER: TOLL MID-ATLANTIC LP COMPANY, INC EMAIL: nbrandenburg@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: 6 APPLICATION RATE: 0.8

TRENCHES:	LINEAR FEET REQUIRED: <u>117</u>	INLET DEPTH: <u>2.0</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>8.0</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>15</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>2.0</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: 11-16-23

- 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.**

NOT TO SCALE

see

separate
Sheet

ROAD NAME

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3'	3'	
NUMBER OF TRENCHES <u>2</u>		
TOTAL LENGTH <u>119</u>		
ABSORPTION AREA <u>357 sq ft</u>		
DISTRIBUTION BOX LEVEL <u>yes</u>		
DISTRIBUTION BOX BAFFLE <u>yes</u>		
DISTRIBUTION BOX PORT <u>yes</u>		

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL _____

MANUFACTURER Back River

CAPACITY 2000 GAL

SEAM LOC top

TANK LID DEPTH 1.5'

BAFFLES front

BAFFLE FILTER _____

MANHOLE LOC front & back

6" PORT LOC yes

WATERTIGHT TEST _____

SLOTTED yes

DATE ON LID 11/9/22

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:

11/30/22 - Floor Joists are 16". Floor connection is 6' from final
Trench 1 was already in contour, no change. Trench 2 adjusted slightly for
contour per plan. SHC comes out per plan, OK to continue. (RRISF)

INSTALLATION:

12/5/22 - Tank was set, 2 cleanouts from house to tank
per plan. D box not set yet. Measured distance from house to tank, 50'
total. During tank inspection, back end baffle & slot not found, call for
reinspection. (RRISF) 12/6/2022 Upper trench installed; D Box set. (P)
12/7/22 - Re-measured T₁. Stone on 1/2 locks dirty, dust, clay
Depth to inlet is 8" lower than plan, T₂ is 1.5" deeper than plan.
It is 8" D. box needs to be relevelled. Needs to be reinspected. (SP)
12/8/2022 inlet raised; relevelled D Box. 12/16/22 - verified slot. (RRISF)

FINAL INSPECTOR

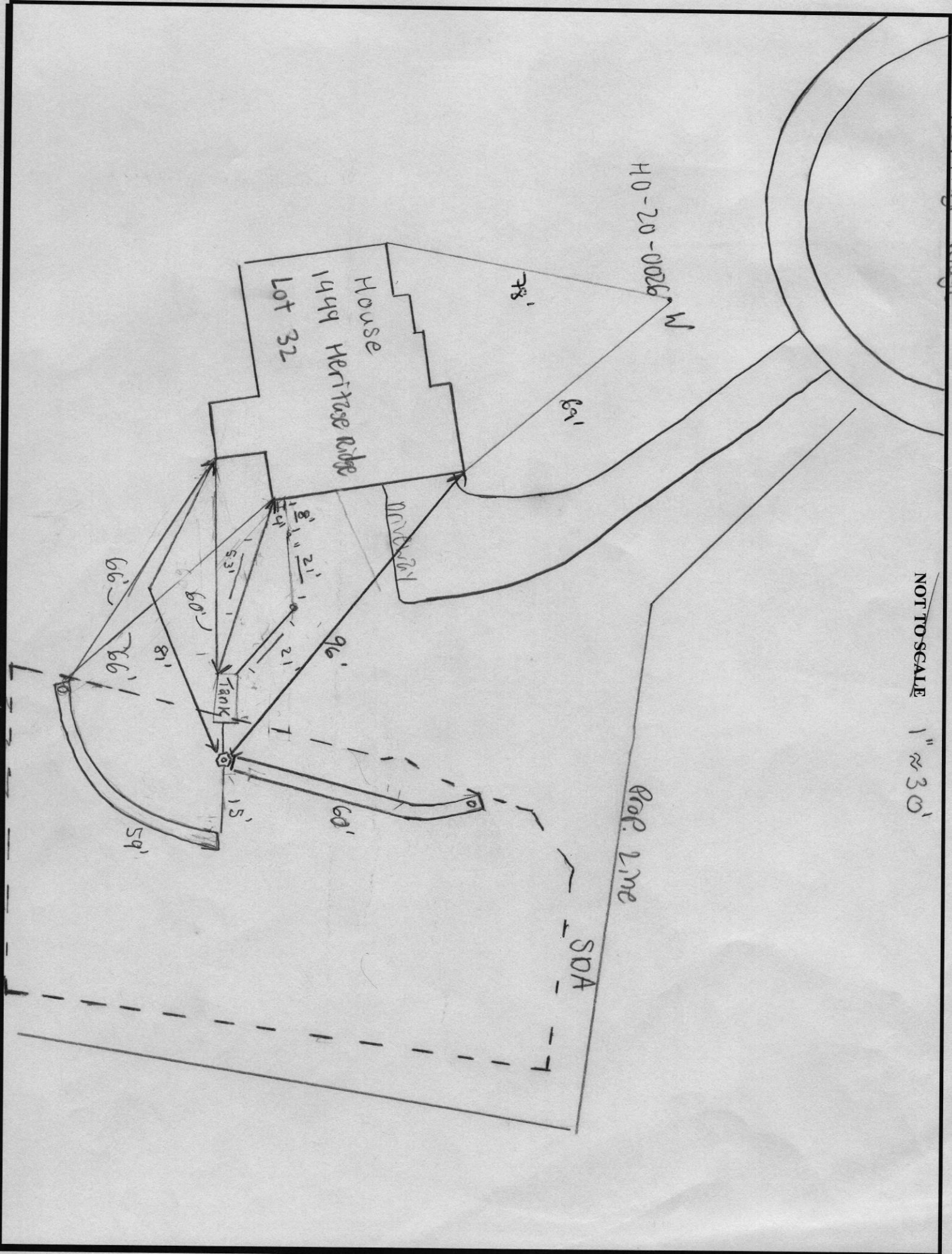
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DATE OF APPROVAL

12/16/22

Heritage Ridge

NOT TO SCALE 1" ≈ 30'

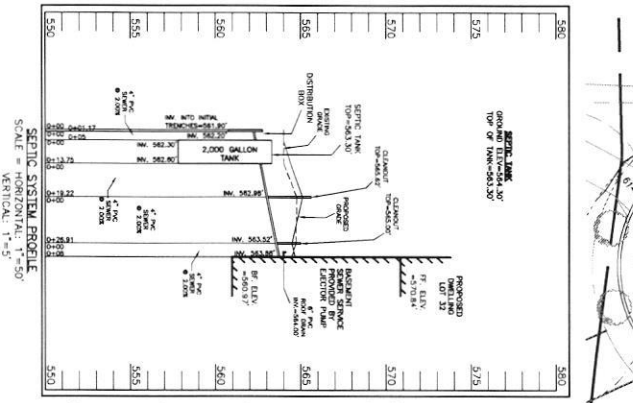
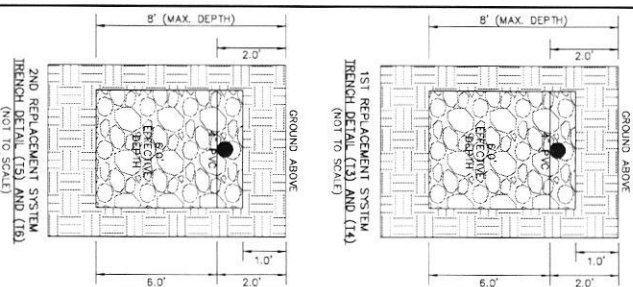


PROFESSIONAL CERTIFICATION: I, HERBERT CHERRY, THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21328, EXPIRATION DATE 1/9/23.

HOUSE OPTIONS:
 TWO CAR SIDE ENTRY GARAGE
 MAIN FLOOR BATHROOM
 FIRST FLOOR BEDROOM
 UTILITY MAIN-OUT COVERED DECK
 ADDITIONAL REAR WALL WINDOW

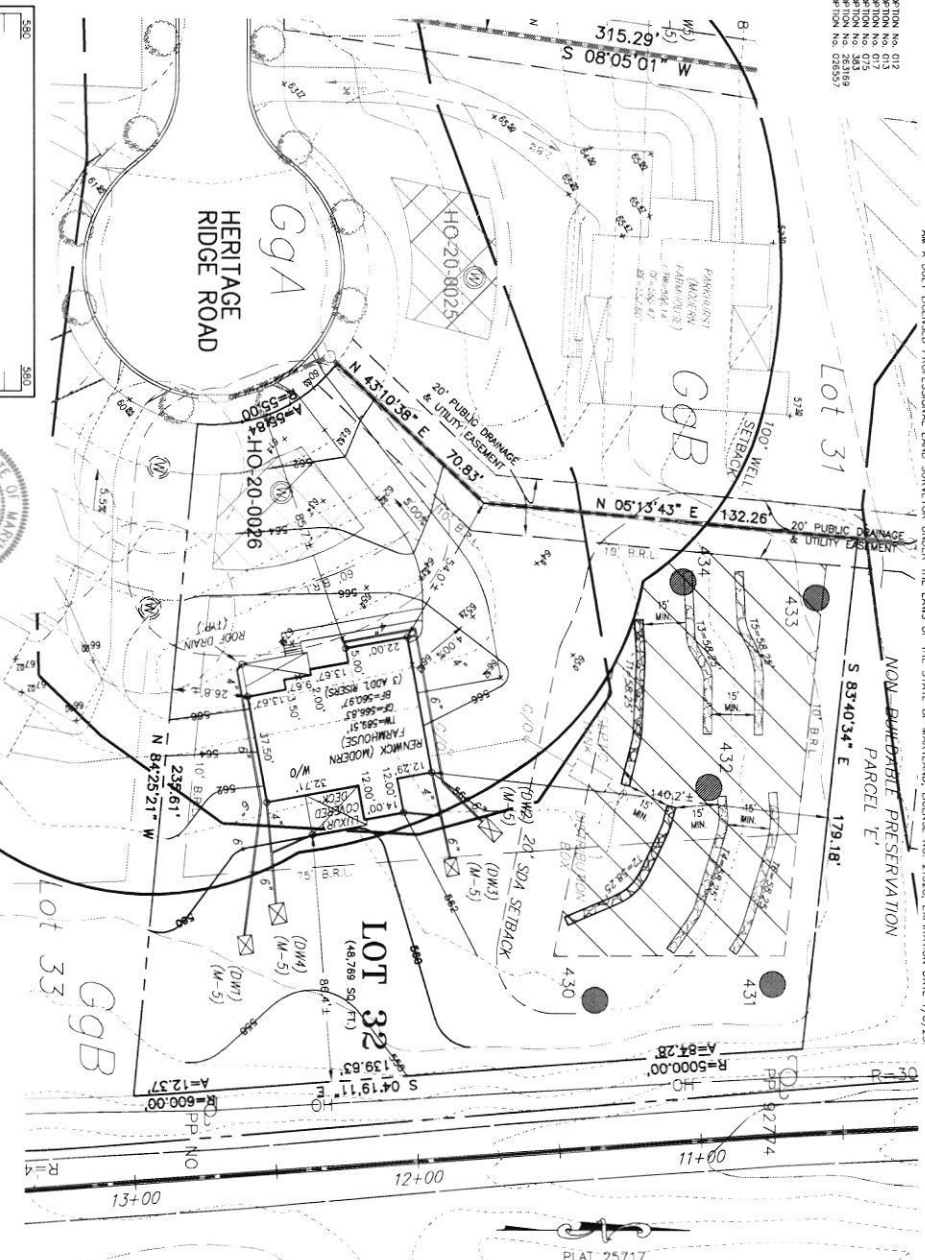
LEGEND:
 BUILDING RESTRICTION LINE
 6" MIN. THICK CONCRETE
 TOP OF WALL
 GARAGE FLOOR
 PASSED FERIC LOCATION
 FAILED FERIC LOCATION
 SEWAGE DISPOSAL AREA
 WELL BOX AREA
 PROPOSED TREE
 PROPOSED TREE

INITIAL TRENCH DATA
 BOTTOM MAX DEPTH (B.O.)
 TRENCH 1 (T1): 58.25 LF
 GROUND ABOVE = 560.80'
 BOTTOM TRENCH = 555.80'
 TRENCH 2 (T2): 58.25 LF
 GROUND ABOVE = 561.33'
 BOTTOM TRENCH = 555.13'



SEWAGE DISPOSAL SYSTEM DATA (G BDRM)

- PROPOSED INVERT AT FOUNDATION WALL: 563.68'
- PROPOSED GRADE OVER TANK: 564.30'
- INVERT IN: 562.60'
- EXISTING GRADE OVER TANK: 564.10'
- PROPOSED GRADE OVER TANK: 564.10'
- INVERT IN: 561.90'
- INITIAL TRENCH DESIGN (G BDRM x 150 GPD/BDRM = 900 GPD)
 USE 3" WIDE TRENCH WITH 72" GRAVEL BELOW PIPE
 USE 3" WIDE TRENCH WITH 72" GRAVEL BELOW PIPE
 USE 2 58.25' LONG TRENCHES = 116.50 LF
- 1ST REPLACEMENT TRENCH DESIGN (G BDRM x 150 GPD/BDRM = 900 GPD)
 USE 3" WIDE TRENCH WITH 72" GRAVEL BELOW PIPE
 USE 3" WIDE TRENCH WITH 72" GRAVEL BELOW PIPE
 USE 2 58.25' LONG TRENCHES = 116.50 LF
- 2ND REPLACEMENT TRENCH DESIGN (G BDRM x 150 GPD/BDRM = 900 GPD)
 USE 3" WIDE TRENCH WITH 72" GRAVEL BELOW PIPE
 USE 3" WIDE TRENCH WITH 72" GRAVEL BELOW PIPE
 USE 2 58.25' LONG TRENCHES = 116.50 LF



SOILS LEGEND

SOIL	NAME	CLASS	PERCENT
GqA	GLIENGLIOW 6 TO 15 PERCENT SLOPES	B	20
GqB	GLIENGLIOW 15 TO 35 PERCENT SLOPES	B	20
GqC	GLIENGLIOW 35 TO 45 PERCENT SLOPES	B	20
GqD	GLIENGLIOW 45 TO 55 PERCENT SLOPES	B	20
GqE	GLIENGLIOW 55 TO 65 PERCENT SLOPES	B	20
GqF	GLIENGLIOW 65 TO 75 PERCENT SLOPES	B	20
GqG	GLIENGLIOW 75 TO 85 PERCENT SLOPES	B	20
GqH	GLIENGLIOW 85 TO 95 PERCENT SLOPES	B	20
GqI	GLIENGLIOW 95 TO 100 PERCENT SLOPES	B	20
GqJ	GLIENGLIOW 100 PERCENT SLOPES	B	20
GqK	GLIENGLIOW 100 PERCENT SLOPES	B	20
GqL	GLIENGLIOW 100 PERCENT SLOPES	B	20
GqM	GLIENGLIOW 100 PERCENT SLOPES	B	20
GqN	GLIENGLIOW 100 PERCENT SLOPES	B	20
GqO	GLIENGLIOW 100 PERCENT SLOPES	B	20
GqP	GLIENGLIOW 100 PERCENT SLOPES	B	20
GqQ	GLIENGLIOW 100 PERCENT SLOPES	B	20
GqR	GLIENGLIOW 100 PERCENT SLOPES	B	20
GqS	GLIENGLIOW 100 PERCENT SLOPES	B	20
GqT	GLIENGLIOW 100 PERCENT SLOPES	B	20
GqU	GLIENGLIOW 100 PERCENT SLOPES	B	20
GqV	GLIENGLIOW 100 PERCENT SLOPES	B	20
GqW	GLIENGLIOW 100 PERCENT SLOPES	B	20
GqX	GLIENGLIOW 100 PERCENT SLOPES	B	20
GqY	GLIENGLIOW 100 PERCENT SLOPES	B	20
GqZ	GLIENGLIOW 100 PERCENT SLOPES	B	20

NOTES:
 HYDROIC SOILS AND/OR CONTAINS HYDROIC INCLUSIONS
 MAY CONTAIN HYDROIC INCLUSIONS
 DENOTES BRODIE SOILS
WELL LOCATION CERTIFICATION:
 THE EXISTING WELL SHOWN FOR LOT 32 (740 N. HO-20-0026) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN HEREON.

ON-SITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN
LOT 32
LINDEN GROVE
 LIBER 15898, FOLIO 246
 ELECTION DISTRICT NO. 4
 HOWARD COUNTY, MARYLAND
 ADDRESS: 1449 HERITAGE RIDGE ROAD
 WOODBINE, MARYLAND 21757

ESE CONSULTANTS
 ENGINEERING • PLANNING • SURVEYING • ENVIRONMENTAL
 ESE Consultants, Inc.
 8731 Columbia Gateway Drive • Suite 107 • Columbia, MD 21046
 1-410-472-2406

DATE: 03/15/2022 SCALE: 1" = 30'
 JOB NO: 1481 DRAWN: VJK

GENERAL NOTES:

- THESE AREAS DESIGNATE A PRIVATE SEWAGE AREA AT LEAST PART OF THE PROPERTY AND ARE UNDER THE JURISDICTION OF THE ENVIRONMENTAL PROTECTION DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA. ALL SUCH IMPROVEMENTS SHALL BE IN ACCORDANCE WITH THE MARYLAND SEWAGE DISPOSAL ACT AND SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR IMPROVEMENTS UNDER THE ACT. SUCH VARIANCES SHALL BE NECESSARY FOR A MODIFIED SEWAGE AREA THAT IS NOT NECESSARY.
- EXISTING UTILITY SERVICE AREAS AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND THOSE WELLS WITHIN 200' DOWN GRADIENT OF EXISTING OR PROPOSED SEWAGE SYSTEMS OR SEWAGE DISPOSAL AREAS HAVE BEEN SHOWN.
- ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISION PERCOLATION CERTIFICATION PLAN.
- REVISION PERCOLATION CERTIFICATION PLAN SHALL REQUIRE A DEVELOPMENT PLAN SEWAGE DISTANCES SHOWN HEREON AS "2" HAVE AN ACCURACY OF ±0.1' FEET.
- 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.
- REVISION 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 COMPLETES WITH THE MINIMUM OWNERSHIP WITH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- THE EXISTING TOPOGRAPHY SHOWN HEREON IS FROM HOWARD COUNTY GIS, A CONTROL POINT AND FIELD VERIFIED BY FIELD COLLECTOR AND CENTER LINE.

WATER TRENCH DATA

TRENCH	LENGTH	WIDTH	DEPTH
T1	58.25 LF	3"	18"
T2	58.25 LF	3"	18"

WELL LOCATION CERTIFICATION:
 THE EXISTING WELL SHOWN FOR LOT 32 (740 N. HO-20-0026) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN HEREON.

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WS-SP-APP-22-00278

HOUSE OPTIONS:

HOUSE TYPE: RENWICK (MODERN FARMHOUSE)

- TWO CAR SIDE ENTRY GARAGE
- FINISHED LOWER LEVEL
- WALK-OUT BASEMENT
- FIRST FLOOR BEDROOM
- OPTIONAL BATHROOM
- LUXURY WALK-OUT COVERED DECK
- ADDITIONAL REAR WALL WINDOW

- OPTION No. 012
- OPTION No. 013
- OPTION No. 017
- OPTION No. 075
- OPTION No. 383
- OPTION No. 263169
- OPTION No. 026557

LEGEND:

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

INITIAL TRENCH DATA:

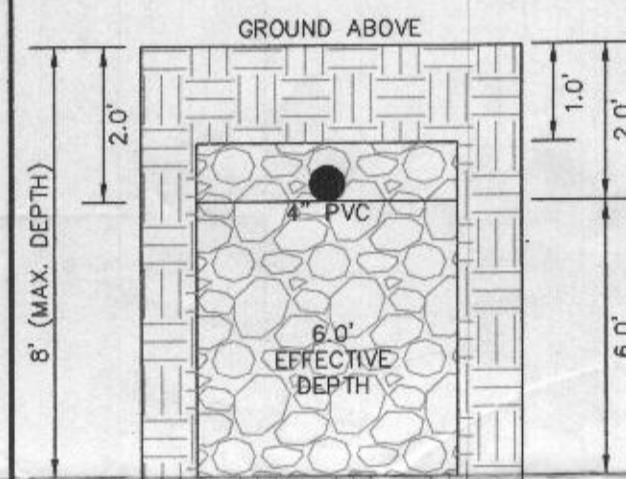
BOTTOM MAX. DEPTH (8.0')

TRENCH 1 (T1): 58.25 L.F.

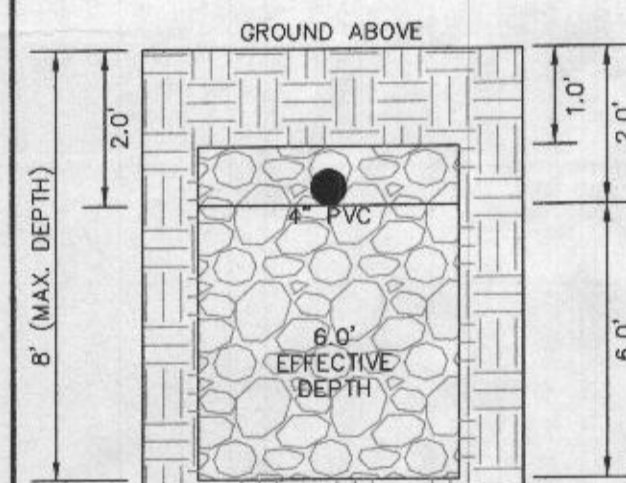
GROUND ABOVE = 563.80'
INV. IN = 561.80'
BOTTOM TRENCH = 555.80'

TRENCH 2 (T2): 58.25 L.F.

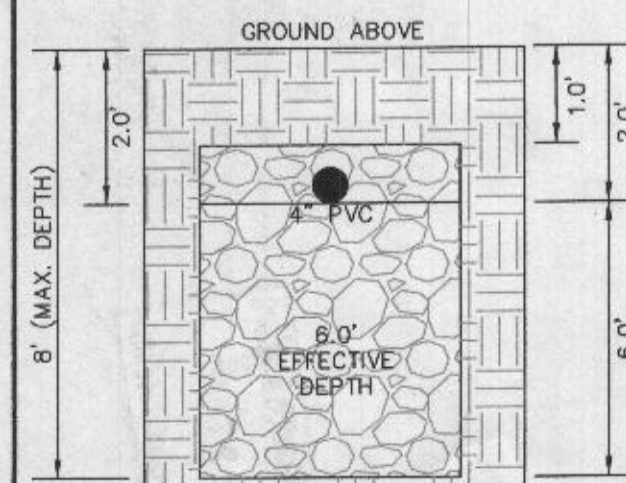
GROUND ABOVE = 563.13'
INV. IN = 561.13'
BOTTOM TRENCH = 555.13'



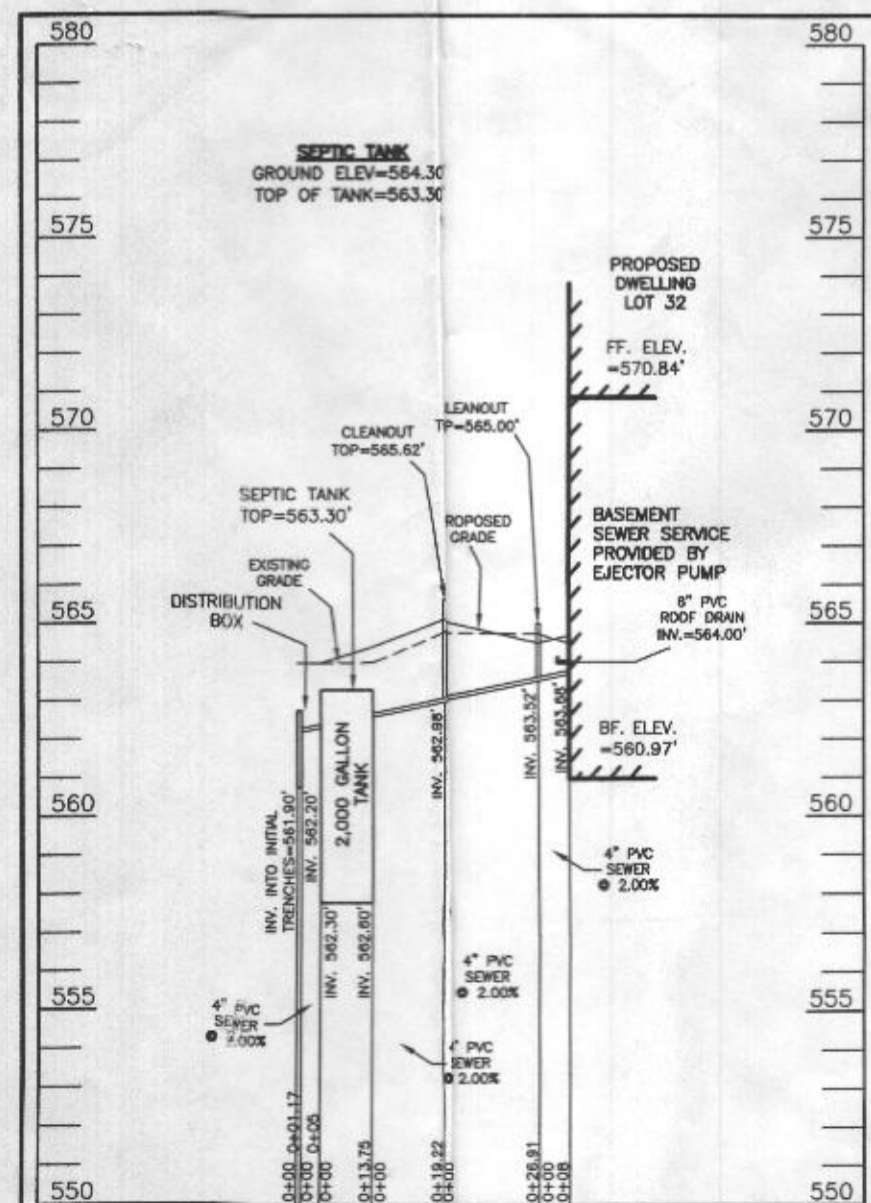
INITIAL SYSTEM TRENCH DETAIL (T1) THRU (T2) (NOT TO SCALE)



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'



Approved Septic System Plan
Howard County Health Department
Signature: [Signature] Date: 6/10/2022

SEWAGE DISPOSAL SYSTEM DATA (6 BDRM)

- PROPOSED INVERT AT FOUNDATION WALL: 563.68'
- 1. EX. GRADE OVER TANK: 564.30'
PROPOSED GRADE OVER TANK: 564.30'
INVERT IN: 562.60' INVERT OUT: 562.30'
- 2. DISTRIBUTION BOX
EXISTING GRADE OVER TANK: 564.10'
PROPOSED GRADE OVER TANK: 564.10'
INVERT IN: 562.20' INVERT OUT: 561.90'
- 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 72" GRAVEL BELOW PIPE
15' MIN. SPACING BETWEEN TRENCH EDGES
1,125 SF ÷ 3' WIDTH = 375 LF x 0.31 (SIDEWALL REDUCTION) = 116.25 LF MIN.
USE 2 58.25' LONG TRENCHES = 116.50 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 72" GRAVEL BELOW PIPE
15' MIN. SPACING BETWEEN TRENCH EDGES
1,125 SF ÷ 3' WIDTH = 375 LF x 0.31 (SIDEWALL REDUCTION) = 116.25 LF MIN.
USE 2 58.25' LONG TRENCHES = 116.50 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 72" GRAVEL BELOW PIPE
15' MIN. SPACING BETWEEN TRENCH EDGES
1,125 SF ÷ 3' WIDTH = 375 LF x 0.31 (SIDEWALL REDUCTION) = 116.25 LF MIN.
USE 2 58.25' LONG TRENCHES = 116.50 LF

SOIL	NAME	CLASS	Kw
BrD	BRINKLOW CHANNERY LOAM, 15 TO 25 PERCENT SLOPES	B	20
GgA	GLENNELG LOAM, 0 TO 3 PERCENT SLOPES	B	20
GgB	GLENNELG LOAM, 3 TO 8 PERCENT SLOPES	B	20
GgC	GLENNELG LOAM, 8 TO 15 PERCENT SLOPES	B	20
*GmA	GLENNVILLE SILT LOAM, 0 TO 3 PERCENT SLOPES	C	37
*GmB	GLENNVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES	C	37
*GmC	GLENNVILLE-BAILE SILT LOAMS, 0 TO 8 PERCENT SLOPES	C	37
MaC	MANOR LOAM, 8 TO 15 PERCENT SLOPES	B	24

- NOTES:
- HYDRIC SOILS AND / OR CONTAINS HYDRIC INCLUSIONS
- MAY CONTAIN HYDRIC INCLUSIONS
- DENOTES ERODIBLE SOILS

WELL LOCATION CERTIFICATION:

THE EXISTING WELL SHOWN FOR LOT 32 (TAG NO. HO-20-0026) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN HEREON.

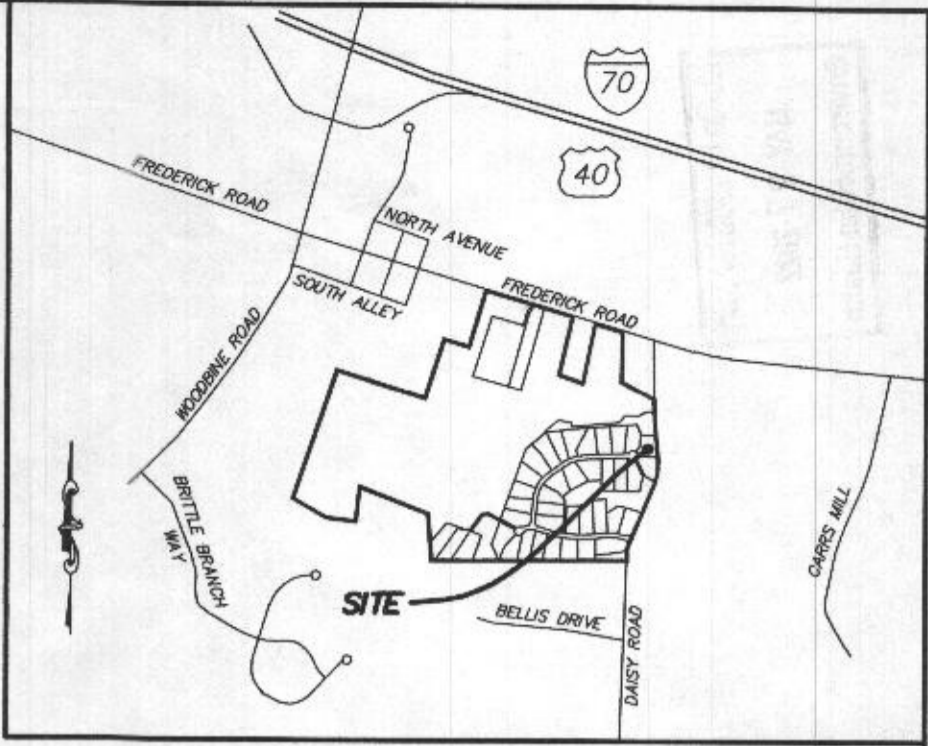
ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN
LOT 32
LINDEN GROVE
LIBER 15899, FOLIO 246
PLAT NO. 25717
ELECTION DISTRICT No. 4
HOWARD COUNTY, MARYLAND
ADDRESS: 1449 HERITAGE RIDGE ROAD
WOODBINE, MARYLAND 21797

ESE CONSULTANTS
ENGINEERING • PLANNING • SURVEYING • ENVIRONMENTAL

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

DATE: 03/15/2022 SCALE: 1"=30' FILE: OSDS LOT 32
CHK'D: M.J.B. JOB NO: 4683 DRAWN: V.X.P.

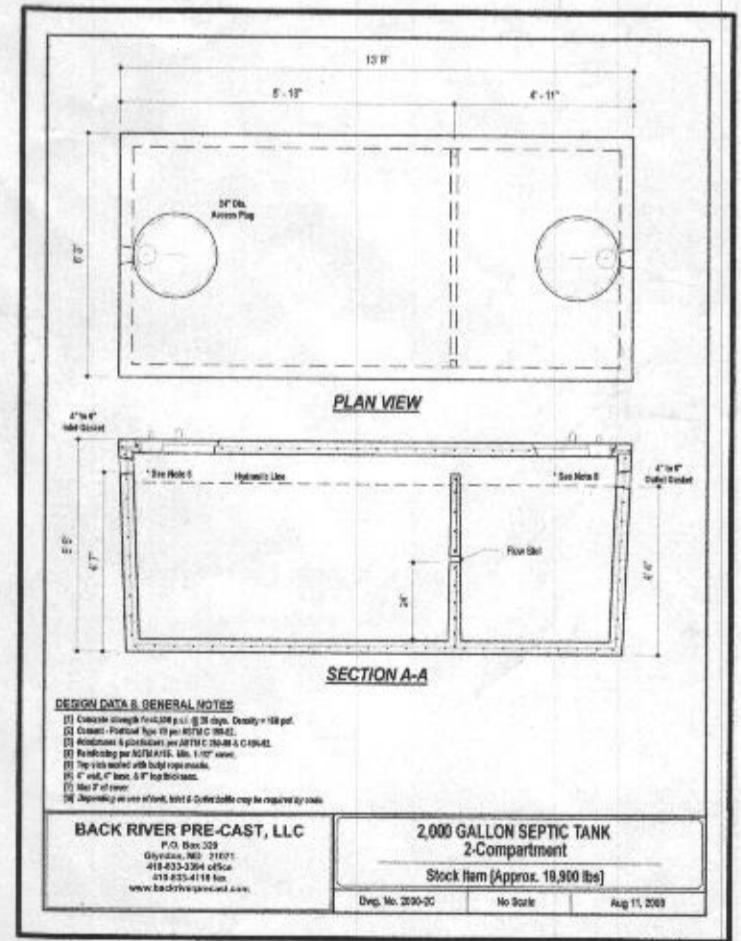
PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21328, EXPIRATION DATE 1/8/23.



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.



DESIGN DATA & GENERAL NOTES:
1. Design strength = 150 GPD/BDRM x 13 BDRM = 1950 GPD.
2. Capacity = 2,000 Gallons.
3. Maximum liquid depth = 48" (1.2 m).
4. Maximum total depth = 60" (1.5 m).
5. Maximum height of liquid = 48" (1.2 m).
6. Maximum height of total = 60" (1.5 m).
7. Maximum height of liquid = 48" (1.2 m).
8. Maximum height of total = 60" (1.5 m).
9. Maximum height of liquid = 48" (1.2 m).
10. Maximum height of total = 60" (1.5 m).

BACK RIVER PRE-CAST, LLC
2,000 GALLON SEPTIC TANK
2-Compartment
Stock Item (Approx. 18,500 lbs)
Dep. No. 200-00 No Scale Aug 11, 2008

