



**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](http://www.hchealth.org)

Facebook: [www.facebook.com/hocohealth](https://www.facebook.com/hocohealth)

RECEIPT DATE: 4/11/23 **ONSITE SEWAGE DISPOSAL SYSTEM**

P 574084

APPROVAL DATE: 12/11/2023 **PERMIT: CONSTRUCTION**

A

PROPERTY ADDRESS: 8228 White Pine Court

SUBDIVISION: Fulton Hill

LOT: 3

TAX ID: \_\_\_\_\_

CONTRACTOR: Freedom Septic EMAIL: \_\_\_\_\_

CONTRACTOR ADDRESS: 2809 Liberty Rd, Eldersburg, MD 21184 PHONE: 410-795-2947

CONTRACTOR CERTIFIED FOR BAT INSTALLATION: ☒ MDE ☒ MANUFACTURER: Norweco

PROPERTY OWNER: Cairn Custom Homes EMAIL: \_\_\_\_\_

OWNER ADDRESS: 10548 Gorman Road, Laurel, MD 20723 PHONE: \_\_\_\_\_

BAT UNIT MODEL: Norweco TNT 750 PUMP SIZE: \_\_\_\_\_ PUMP TANK CAPACITY: \_\_\_\_\_

OPERATION & MAINTENANCE AGREEMENT DATE SIGNED: 5/4/2023 DATE RECORDED: 7/12/2023

DISTRIBUTION SYSTEM: ☒ GRAVITY ☐ PRESSURE DOSED BEDROOMS: 6 APPLICATION RATE: 0.6

TRENCHES:	LINEAR FEET REQUIRED: <u>134</u>	INLET DEPTH: <u>2.3</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>8</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>13</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>3</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND BAT UNIT LOCATION MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:		

ISSUED BY: Hank Oswald ISSUE DATE: 4/12/23 EXPIRATION DATE: 4/12/24

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 SEPTIC 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 2301854

NOTE: AN INDIVIDUAL CERTIFIED BY MDE AND THE MANUFACTURER FOR BAT INSTALLATION MUST BE PRESENT AT ALL TIMES DURING BAT INSTALLATION.

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  
Attached  
for AS-built

ROAD NAME

**TRENCH/DRAINFIELD DATA**

WIDTH	INLET	BOTTOM
3	2.3	8
NUMBER OF TRENCHES		4
TOTAL LENGTH		137'
ABSORPTION AREA		411 ft <sup>2</sup>
DISTRIBUTION BOX LEVEL		yes
DISTRIBUTION BOX BAFFLE		yes
DISTRIBUTION BOX PORT		yes

**SEPTIC TANK DATA**

SEPTIC TANK 1 LEVEL yes  
MANUFACTURER Black River  
CAPACITY 750 GAL  
SEAM LOC Top  
TANK LID DEPTH 2'  
BAFFLES —  
BAFFLE FILTER —  
MANHOLE LOC Front, Middle, & back  
6" PORT LOC —  
WATERTIGHT TEST —  
SLOTTED —  
DATE ON LID 1/10/23

**PUMP/SEPTIC TANK LEVEL** N/A

MANUFACTURER —  
CAPACITY — GAL  
SEAM LOC —  
TANK LID DEPTH —  
BAFFLES —  
BAFFLE FILTER —  
MANHOLE LOC —  
6" PORT LOC —  
WATERTIGHT TEST —  
SLOTTED —  
DATE ON LID —

**PRE-CONSTRUCTION:**

4/25/2023 - Met contractor onsite for layout. Fill on septic area next to garage. Affected trench 2 & trench 4. First 6' of trench 1' higher than contour. Told contractor he needs to have fill removed & call back for another layout. See pics for fill (SP)

4/26/2023 - Met w/ contractor onsite. Contractor dug down to original grade. Shot elevations, elevations match contour. Distance between trenches 13' or greater. Gave OK to proceed (SP)

INSTALLATION: 5/1/2023 - Saw 2 c/o. Norweco tank set. Fall achieved. Sch 40 pipe used

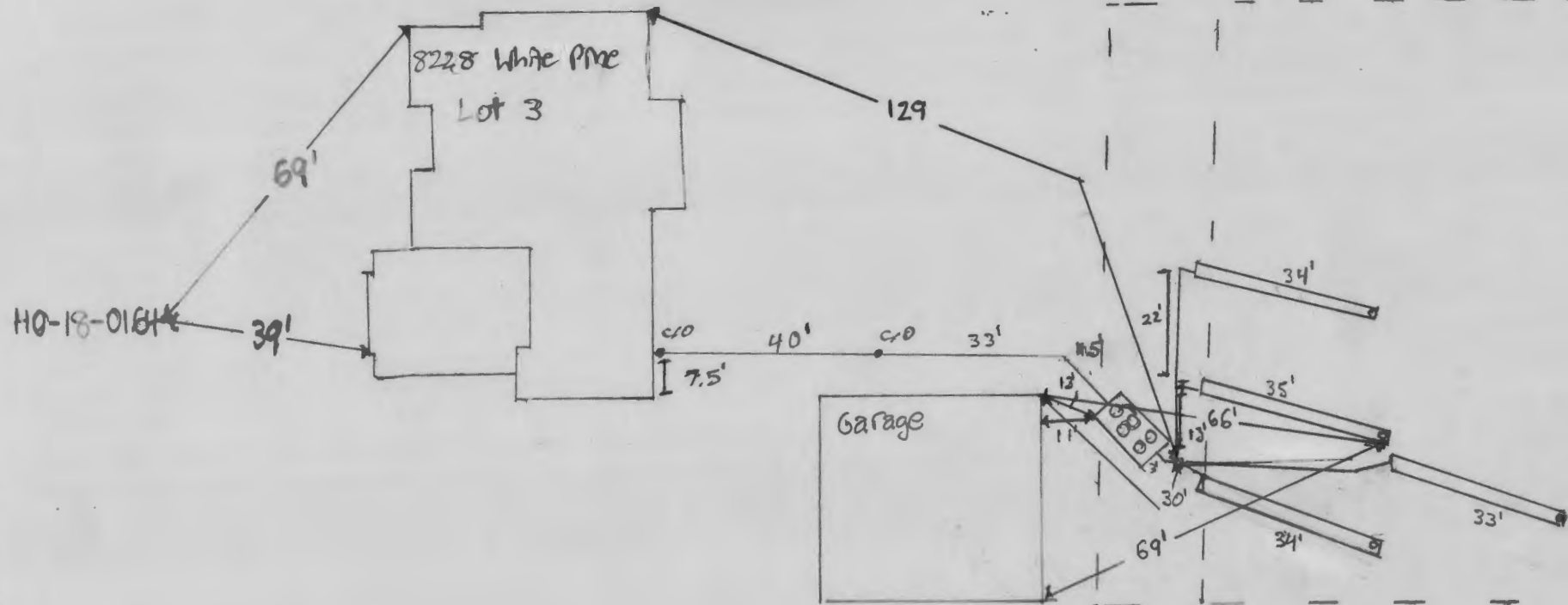
5/2/2023 - 2 trenches installed, D-box sets measured tank to D-box. D-box to start of trenches. Lower trench @ 34' & trench 26' @ 35'. Observation ports @ end of trenches (SP)

5/3/2023 - Levelled D-box. Saw 1st 2 upper trenches. Inlet & width per plan. Gave OK to backfill. (SP) Need BAT startup report (SP)

12/11/2023 - Received BAT startup

FINAL INSPECTOR Shapara Page DATE OF APPROVAL 12/11/2023

NOT TO SCALE 1"  $\approx$  30'





BACK RIVER PRE-CAST, LLC

PO BOX 329

GLYNDON, MD 21071

PH# 410-833-3394

### NORWECO CERTIFICATION

PROPERTY OWNER: CLAUDETTE BERNSTEIN	INSTALLATION COMPANY: FREEDOM SEPTIC
ADDRESS: 8228 WHITE PINE CT	CERTIFIED INSTALLER: DAN FARROW
CITY, ZIPCODE & COUNTY: FULTON, 20759, HOWARD	PERMIT#
SIZE OF SYSTEM INSTALLED:	DATE INSTALLED: 5-2-23
750 GPD CONCRETE	START-UP DATE: 12-8-23
NUMBER OF BEDROOMS:	DATE OF FINAL INSPECTION:
TYPE OF INSTALLATION: NEW	DATE OF ELECTRICAL INSPECTION:
ELECTRICAL WIRING PER ELECTRICAL INSTRUCTIONS: YES	TANK LEVEL: YES
HT. OF CONTROL PANEL ABOVE FINAL GRADE: 60"	BURIAL DEPTH OF TANK: 24"
SYSTEM WIRED ON A 15-AMP DEDICATED CIRCUIT WITH STD. BREAKER: YES	RISERS 4" - 6" ABOVE GRADE: YES
LENGTH(S) OF UF WIRE PAST LAST AERATION RISER(S): 48"	VENTED LID(S) ON AERATION CHAMBER(S): YES
FEMALE PLUG(S) WIRED TO UF WIRE: YES	ANY GROUND SETTLING AROUND TANK:
CONDUIT(S) ENTERING AERATION RISER MADE WITH A WATERTIGHT CONNECTION: YES	NO
ISTHE INSIDE OF THE CONDUIT ENTERING THE CONTROL PANEL(S) AND AERATION RISER(S) SEALED WITH DUCT SEAL: YES	

ON 2<sup>ND</sup> PAGE MAKE A ROUGH SKETCH OF THE HOUSE ,WHERE THE SYSTEM IS LOCATED, WHERE THE CONTROL PANEL IS LOCATED , WHERE THE FRONT OF THE IS AND DIRECTIONS TO THE PROPERTY.

DIRECTIONS CAN START A FEW STREETS AWAY

EXAMPLE: RT. X LEFT ONTO XX STREET RIGHT ONTO PRIVATE DRIVEWAY 5<sup>TH</sup> HOUSE OF THE LEFT.

I certify that the Norweco Singulair TNT Wastewater Treatment System was installed according to the manufacture's specifications.

Matthew Geckle

December 8, 2023

Signature of BRP Representative

Vice-President

Date



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**Maura J. Rossman, M.D., Health Officer**

**OPERATION AND MAINTENANCE AGREEMENT  
FOR AN ON-SITE SEWAGE DISPOSAL SYSTEM  
HAVING AN ADVANCED PRE-TREATMENT SYSTEM**

THIS AGREEMENT is made this 21<sup>st</sup> day of April, among Claudette Bernstein, hereinafter collectively referred to as "Owner", and the Howard County Health Department hereinafter referred to as the "County".

WHEREAS, Owner is the owner or contract owner of a parcel of land located at 8228 White Pine Court, Fulton 20899, in the 5<sup>th</sup> Election District of Howard County, Maryland, and the deed and subdivision plat of the property is recorded among the Land Records of Howard County, Maryland, Tax Map # 0046, Block #       , Parcel # 0337, Deed Reference # 25976-80 and Tax Account # 603728 ("the Property").

WHEREAS, The Property is suitable for the installation of a conventional on-site sewage disposal system with an advanced pre-treatment system, utilizing best available technology to perform nitrogen reduction, in accordance with the Code of Maryland Regulations 26.04.02.07, effective November 24, 2016. The pre-treatment device being installed is Norweco TNTLP-750.

NOW, THEREFORE, the parties hereto agree as follows:

A. Owner hereby grants to the County the right to enter upon the Property at any reasonable time with prior notice for access to the system to make periodic inspections and the Owner agrees to provide any information and data in Owner's possession reasonably requested and needed by the County.

B. Owner acknowledges and agrees that neither the County nor any of its agents or employees, either officially or individually, underwrites the operation of any system approved by them.

C. The Owner will devote reasonable care and effort to the operation and maintenance of the system in perpetuity or until a public sewer connection is made so that a system malfunction is not the result of poor maintenance, faulty operation, or neglect.

D. The Owner agrees to enter into a contract reasonably acceptable to the Owner and the County with a private entity to operate and maintain on a regularly scheduled basis an approved advanced pre-treatment system. The owner shall supply a copy of the contract to the County when it is renewed or altered.

E. This agreement shall run with the land and upon Owner's taking title to the Property shall bind the Owner, their heirs, successors, and assigns to the provisions of the agreement as long as

the property is in existence and after installation of the system. Owner further agrees that they shall inform in writing any subsequent purchaser or lessee of the Property that the system shall require maintenance or other attention. Upon taking title to the Property, the Owner agrees to cause this agreement to be recorded in the Land Records of Howard County and assure that it becomes part of the Deed for the subject property in order that prospective buyers may be aware of the special conditions affecting this property.

F. This agreement shall not be construed to limit any authority of the County to protect the public health, safety or comfort or to issue any other orders to take any other action which is now or may hereafter be within its authority.


G. This agreement may be voided at any time at the discretion of the County.


H. This agreement contains the entire agreement and understanding between the County and the Owner. There are no additional terms other than as contained in this agreement. This agreement may not be modified, except in writing signed by each of the parties or by their authorized representatives.

I. The laws of the State of Maryland govern the provisions of all transactions pursuant to this agreement.

J. Owner acknowledges and agrees that interior renovations to increase the number of bedrooms or an increase in living space shall not be permitted without approval from the County.

IN WITNESS WHEREOF, the parties have signed this agreement on the date indicated above.

 4/21/2023  
Howard County Health Department

~~XX~~  04-19-2023  
Owner #1 Signature                      Date

Claudette Bernstein  
Owner #1 Print Name

\_\_\_\_\_  
Owner#2 Signature                      Date

\_\_\_\_\_  
Owner #2 Print Name

\_\_\_\_\_  
Buyer #1 Signature                      Date

\_\_\_\_\_  
Buyer #1 Print Name

\_\_\_\_\_  
Buyer #2 Signature                      Date

\_\_\_\_\_  
Buyer #2 Print Name

Clerk of the Circuit Court for  
Howard County

9250 Judicial Way  
Ellicott City, MD 21043  
410-313-2111

=====

LR - Agreement Recording Fee		
	1x	20.00 20.00

Name: bernstein  
Ref: 1

=====

LR - Agreement Surcharge		
	1x	40.00 40.00

=====

SubTotal:		60.00
Total:		60.00

=====

REV-Check-WFB		60.00
Number : 5033		

04/24/2023 10:01  
#17174521/497/4

CC13-LP

Thank you for visiting us today~





BACK RIVER PRE-CAST, LLC  
 PO BOX 329  
 GLYNDON, MD 21071  
 PH# 410-833-3394

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\_\_\_\_\_

Matthew Geckle

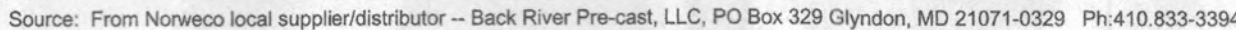
December 8, 2023

Signature of BRP Representative

Vice-President

Date



[illegible]

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- Diagram illustrating the trench repair method using a pipe-in-place technique. The trench is 3.0' wide and 5.0' deep. The repair involves a 2' diameter pipe being inverted into the trench. The trench is lined with 2' of stone cover. The pipe is surrounded by soil backfill. A geotextile filter fabric is placed between the stone cover and the soil backfill. A disposal pipe is shown at the bottom of the trench. The trench is 5.0' deep. The pipe is 2.5' to 3.0' in diameter. The diagram is labeled with dimensions and materials.
- INSPECTION PIPE AT DISTAL END OF TRENCH PER SPEC. 3.613
  - SOIL BACKFILL
  - GEOTEXTILE FILTER FABRIC
  - DISPOSAL PIPE PER CODE
  - WASHED GRAVEL OR CRUSHED STONE (AASHTO #57)
  - 2" MIN STONE COVER
  - 2.5' TO 3.0' PIPE INVERT
  - PIPE INVERT\*
  - (EFFECTIVE AREA BEGINNING DEPTH)
  - 0.7'
  - 5.0'
  - 3.0'
  - GROUND ELEV. AT TOP OF TRENCH
  - BOTTOM ELEV. OF TRENCH

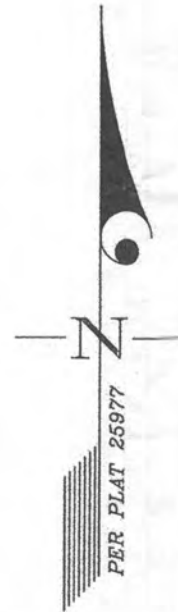
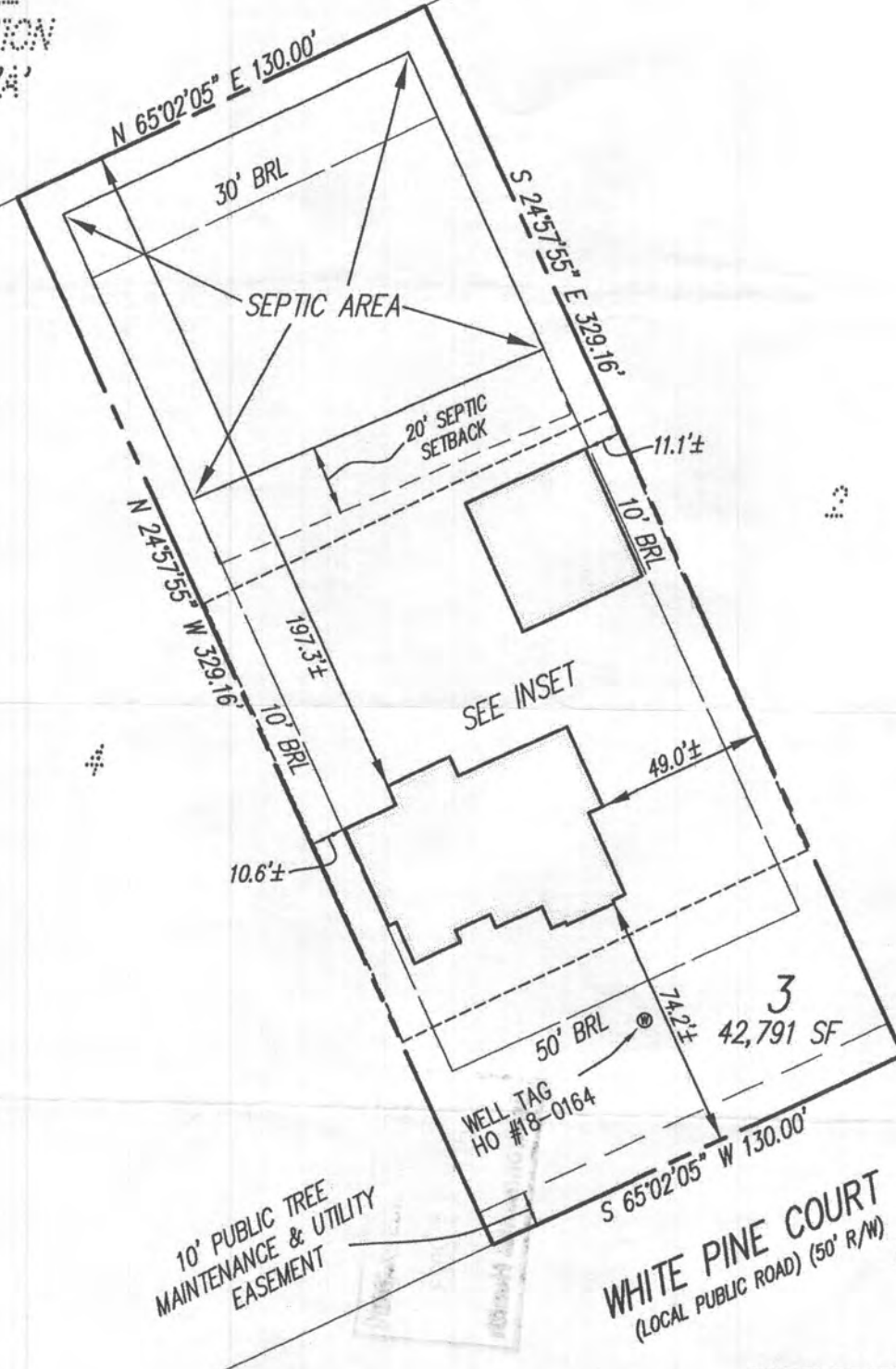
SEPTIC TRENCH SECTION DETAIL NO SCALE

SCALE 1" = 30'	ZONING RR-DEO	G. L. W. FILE No. 21096
DATE OCT. 2022	TAX MAP - GRID 46-3	SHEET 1 OF 1



S:\Survey Drawings\WALLCHECK\FULTON HILL-21096\WCK\21096WCK-3.dwg, 1/10/2023 12:29:50 PM, blilk, 1:1

BUILDABLE  
PRESERVATION  
PARCEL 'A'



**SURVEYOR'S CERTIFICATE**

THIS IS TO CERTIFY TO:  
'CAIRN HOMES.'

THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF,  
THE POSITION OF THIS BUILDING FOUNDATION  
HAS BEEN ESTABLISHED BY ACCEPTED FIELD PRACTICES.

For Gutschick, Little and Weber, P.A. :  
Thomas C. O'Connor, Jr.,  
Professional Land Surveyor, No. 10954 (EXP. DATE: 07/03/2024)

THIS WALLCHECK IS VALID ONLY WITH AN ORIGINAL SIGNATURE AND EMBOSSED SEAL OF THE ABOVE SURVEYOR.

**NOTES:**

THIS WALLCHECK WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT. THIS PROPERTY IS SUBJECT TO ANY AND ALL EASEMENTS, RIGHTS-OF-WAY, 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.

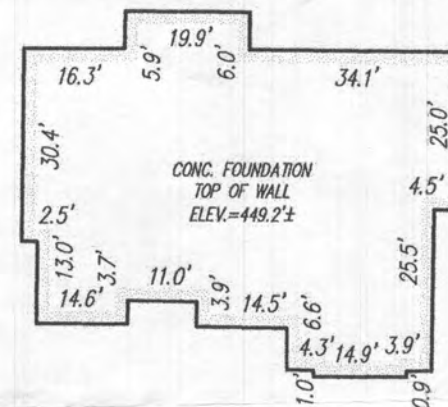
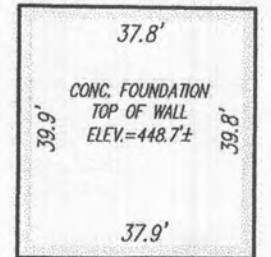
THIS IS NOT A "LOCATION DRAWING" AND IS NOT TO BE USED FOR SETTLEMENT PURPOSES.

THE PROPERTY SHOWN HEREON LIES WITHIN ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) AS SHOWN ON THE F.E.M.A. FLOOD INSURANCE RATE MAP, MAP NUMBER 24027C0145D, EFFECTIVE DATE NOVEMBER 6, 2013.

BUILDING SETBACKS (B.R.L.'S) SHOWN HEREON PER PLAT 25977.

SETBACK DISTANCES SHOWN HEREON ARE TO THE OUTERMOST FACE OF THE FOUNDATION WALLS AND HAVE AN ACCURACY OF ± 0.1' FOOT.

INSET SCALE 1"=30'



**WALLCHECK**  
(SPECIAL PURPOSE SURVEY)

**FULTON HILL**

**LOT 3**  
**8228 WHITE PINE COURT**

HOWARD COUNTY, MARYLAND

DATE OF LATEST FIELD WORK: 01/09/2023

G.L.W. FILE No. 21096

REFERENCE: PLAT No.: 25977

SCALE: 1"=50'



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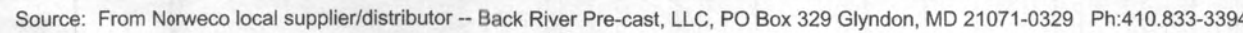
DES.

DRN. WDK

CHK.

PREPARED FOR:  
CAIRN HOMES  
10548 GORMAN ROAD  
LAUREL, MD  
20723

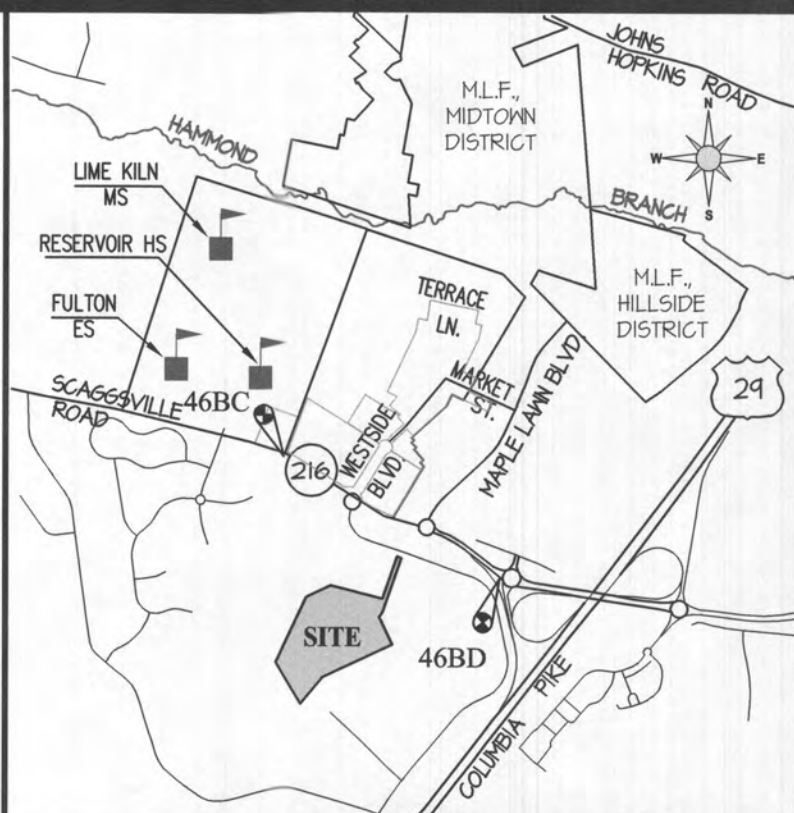




**PROFILE**  
 HORZ. SCALE: 1"=50'  
 VERT. SCALE: 1"=5'

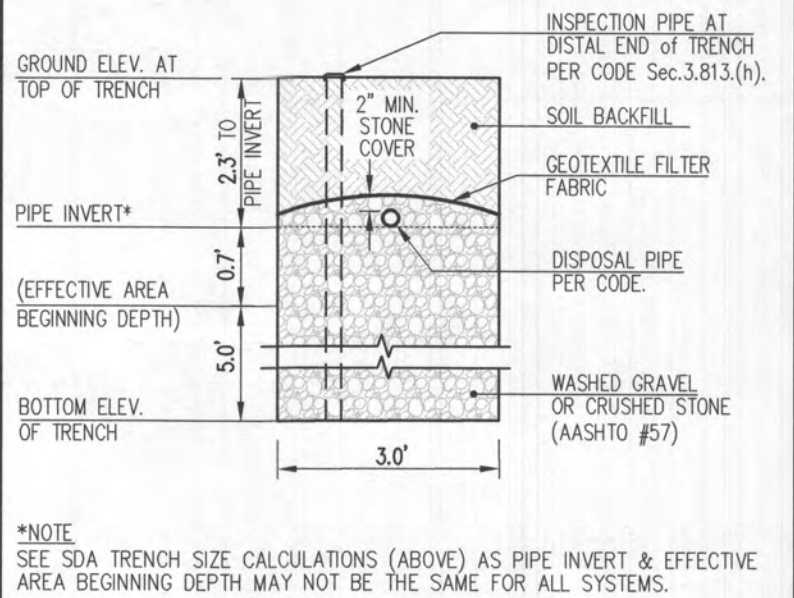
The profile view shows the sewer line with the following details:

- Elevations:** 450, 445, 440, 435, 430.
- Structures:**
  - COVERED DECK
  - PROPOSED GROUND
  - HUNG SEWER IE=443.57±
  - HOUSE BSE=440.50±
  - BAT TANK TOP=442.75±
  - DISTRIBUTION BOX (D-BOX)
  - SOA TRENCH SEE DETAIL OF THIS SHEET
- Pipes:**
  - 4" PVC X-ING (LOW/4)
  - 4" PVC X-ING (LOW/5)
  - 4" PVC X-ING @ 44.5±
  - 4" PVC X-ING @ 44.4±
  - 4" PVC X-ING @ 44.4±
  - 4" PVC Ø 2.02
  - Ø 4.5 GLENDOUT
  - Ø 4.5 22.5' SIND
  - Ø 4.7 22.5' SIND
  - Ø 4.00 IE=441.75
  - Ø 4.00 IE=441.42
- Other Features:**
  - 6" PVC Ø 2.0
  - 4" PVC X-ING (outfall for perm-pavers) X-ING @ 440.7±



<b>VICINITY MAP</b> SCALE: 1" = 2000'	ADC MAP 39 GRID A3
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- NOTES**
1. THE EXISTING WELLS SHOWN ON THIS PLAN (IDENTIFIED WITH THE WELL TAG NUMBER **HO-18-0164**) HAS BEEN FIELD LOCATED BY G.L.W. (PROFESSIONAL LAND SURVEYORS) AND IS ACCURATELY SHOWN ON THIS PLAN.
  2. THE MAXIMUM EARTH COVER OVER THE TANKS IS 3 FEET. GREATER EARTH COVER WILL REQUIRED A HEAVY LOAD BEARING TANK.
  3. EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPOSED IMPROVEMENTS AND THOSE 200' DOWN GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS OR SEWAGE DISPOSAL AREAS HAVE BEEN SHOWN.
  4. ELECTRICAL WORK FOR THE SEPTIC SYSTEM INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
  5. THE BAT SYSTEM SHALL BE MAINTAINED AND OPERATED FOR THE LIFE OF THE SYSTEM BY A CERTIFIED SERVICE PROVIDER.
  6. WITHIN ONE MONTH OF INSTALLATION, A PERSON INSTALLING THE BAT SYSTEM SHALL REPORT TO THE MAYOR AND DEPARTMENT OF THE ENVIRONMENT (MDE) IN A MANNER ACCEPTABLE TO MDE, THE ADDRESS AND DATE OF COMPLETION OF THE BAT INSTALLATION AND THE TYPE OF BAT INSTALLED.
  7. AN AGREEMENT AND EASEMENT MUST BE COMPLETED AND SIGNED BY ALL APPLICABLE PARTIES, AND RECORDED IN LAND RECORDS OF HOWARD COUNTY.
  8. THE HEALTH DEPARTMENT REQUIRE DOCUMENTATION FOR THE START-UP CERTIFICATION FROM THE MANUFACTURER PRIOR TO FINAL APPROVAL OF THE INSTALLATION.
  9. ANY CHANGE 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 ODSIS PLAN MAY BE REQUIRED.



TRENCH No.	1	2	3	4
Ground Elevation	443.30	441.80	441.80	440.20
Pipe Invert Elevation	441.00	439.50	439.50	437.90
Effective Area Beginning Depth	440.30	438.80	438.80	437.20
Bottom of Trench	435.30	433.80	433.80	432.20

**SEPTIC TRENCH SECTION DETAIL** NO SCALE

Approved Septic System Plan  
Howard County Health Department

Mark Oswald      10.24.22  
Signature      Date

SCALE 1" = 30'	ZONING RR-DEO	G. L. W. FILE No. 21096
DATE OCT. 2022	TAX MAP - GRID 46-3	SHEET 1 OF 1