



Howard County
Health Department

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: 10-28-23 **ONSITE SEWAGE DISPOSAL SYSTEM**

P 515682

APPROVAL DATE: 11/22/2023 **PERMIT: NEW CONSTRUCTION**

A _____

PROPERTY ADDRESS: 8225 White Pine Court

SUBDIVISION: Fulton Hill

LOT: 7 TAX ID: _____

CONTRACTOR: Hotfields Equipment

EMAIL: Kane@hotfieldsequipment.com

CONTRACTOR ADDRESS: P.O. Box 517, Annapolis Junction, MD 20701

PHONE: 301-490-4289

PROPERTY OWNER: Williamsburg Group

EMAIL: _____

OWNER ADDRESS: 5485 Harpers Farm Road, Columbia, MD 21044

PHONE: _____

SEPTIC TANK SIZE (GALLONS): 2000

TANK MANUFACTURER: Babylon

PUMP MODEL: N/A

PUMP SIZE

N/A

PUMP TANK CAPACITY: N/A

DISTRIBUTION SYSTEM: ☒ GRAVITY ☐ PRESSURE DOSED BEDROOMS: 6 APPLICATION RATE: 1.2

TRENCHES:	LINEAR FEET REQUIRED: <u>104.17'</u>	INLET DEPTH: <u>2.8</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>8</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>11</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>4</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:		

ISSUED BY: Hank Oswald RIC ISSUE DATE: 10-27-23 EXPIRATION DATE: 10-27-24

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 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 for
As-built

ROAD NAME

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3'	2'-2.5'	8"
NUMBER OF TRENCHES		3
TOTAL LENGTH		106'
ABSORPTION AREA		318 ft ²
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'-2'
BAFFLES 6" front & 4" back
BAFFLE FILTER —
MANHOLE LOC front & back
6" PORT LOC —
WATERTIGHT TEST —
SLOTTED yes
DATE ON LID 10/2/2023

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:

11/17/2023 - SDA staked, tank staked, marking tank 6' further out SDA. SDA not coming out of house yet.
trenches staked, trench lengths @ 35.5'. Trench #1 has 0.5" difference. Trench #2 has 1" difference. Trench #3 has 2" difference.
Optional well >100' from tank + SDA. Ⓟ

INSTALLATION:

11/20/2023 - onsite upper tank set. 2000 gal tank, saw slot. tank has 1'-2" of cover. Ⓟ Come back
on site later in the day. tank connected to house. Set 40 PVC w/ 2, adequate fall. 6" front baffle
installed, respect for 4" back baffle. 2 lower trenches finished. lengths @ 35' & 36'. Stone & filter OK.
Respect for upper trench, d-box & connection to tank. Ⓟ 11/22/2023 - D-box set & poured while onsite.
A PVC w/ 40 to trenches. Ⓟ 40. Upper trench inlet @ 2'-2.5' & length @ 35'. Stone OK.
OK to back fill all work. Saw 4" back baffle. Ⓟ

FINAL INSPECTOR

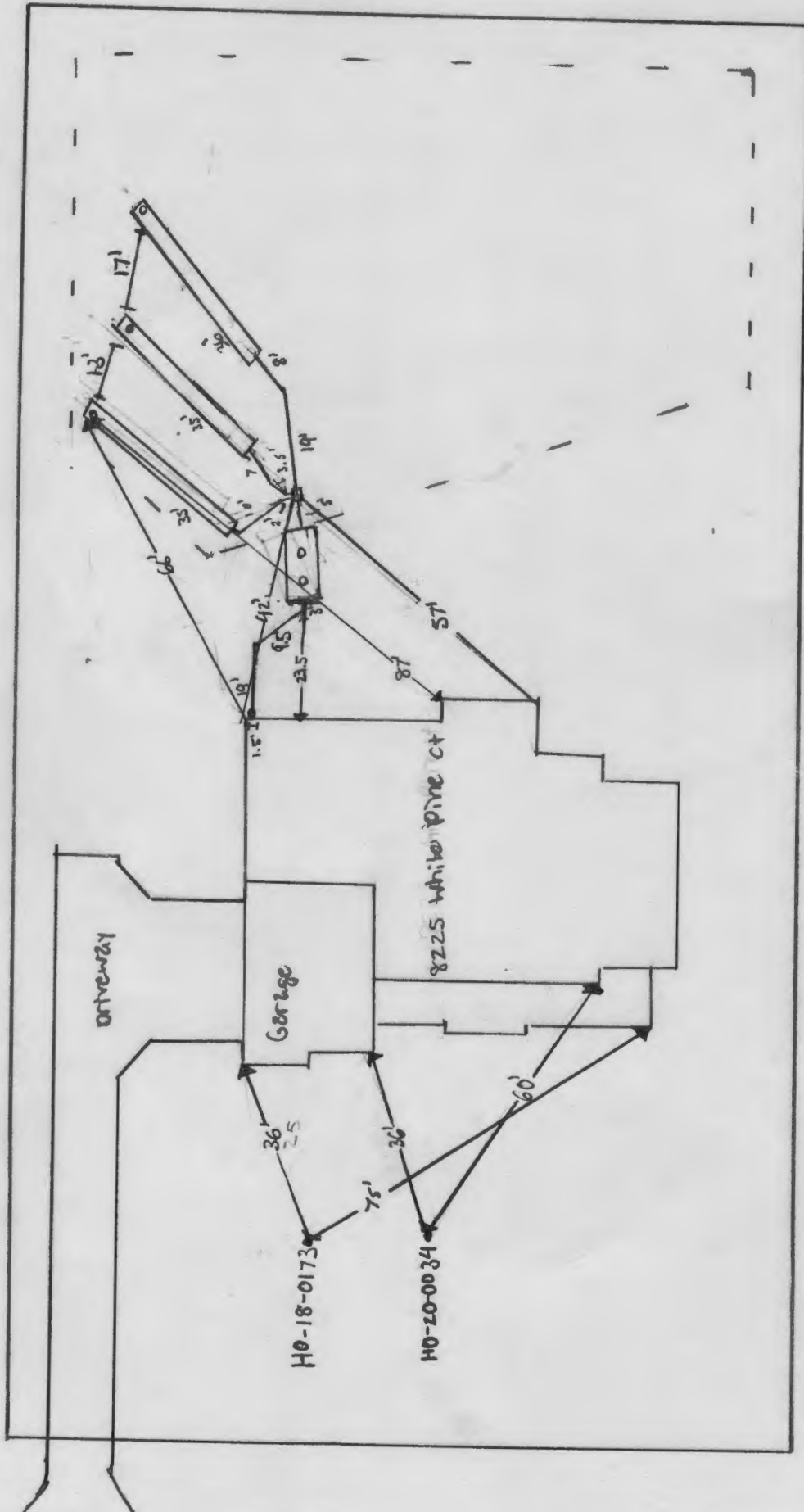
S. Page

DATE OF APPROVAL

11/22/2023

NOT TO SCALE

1" = 30'



Page, Shepsura

From: Michael Isom <misom@mbwd.us>
Sent: Friday, December 1, 2023 3:46 PM
To: Page, Shepsura
Subject: 8225 White Pine Ct
Attachments: 20231201_.jpg

Follow Up Flag: Follow up
Flag Status: Flagged

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

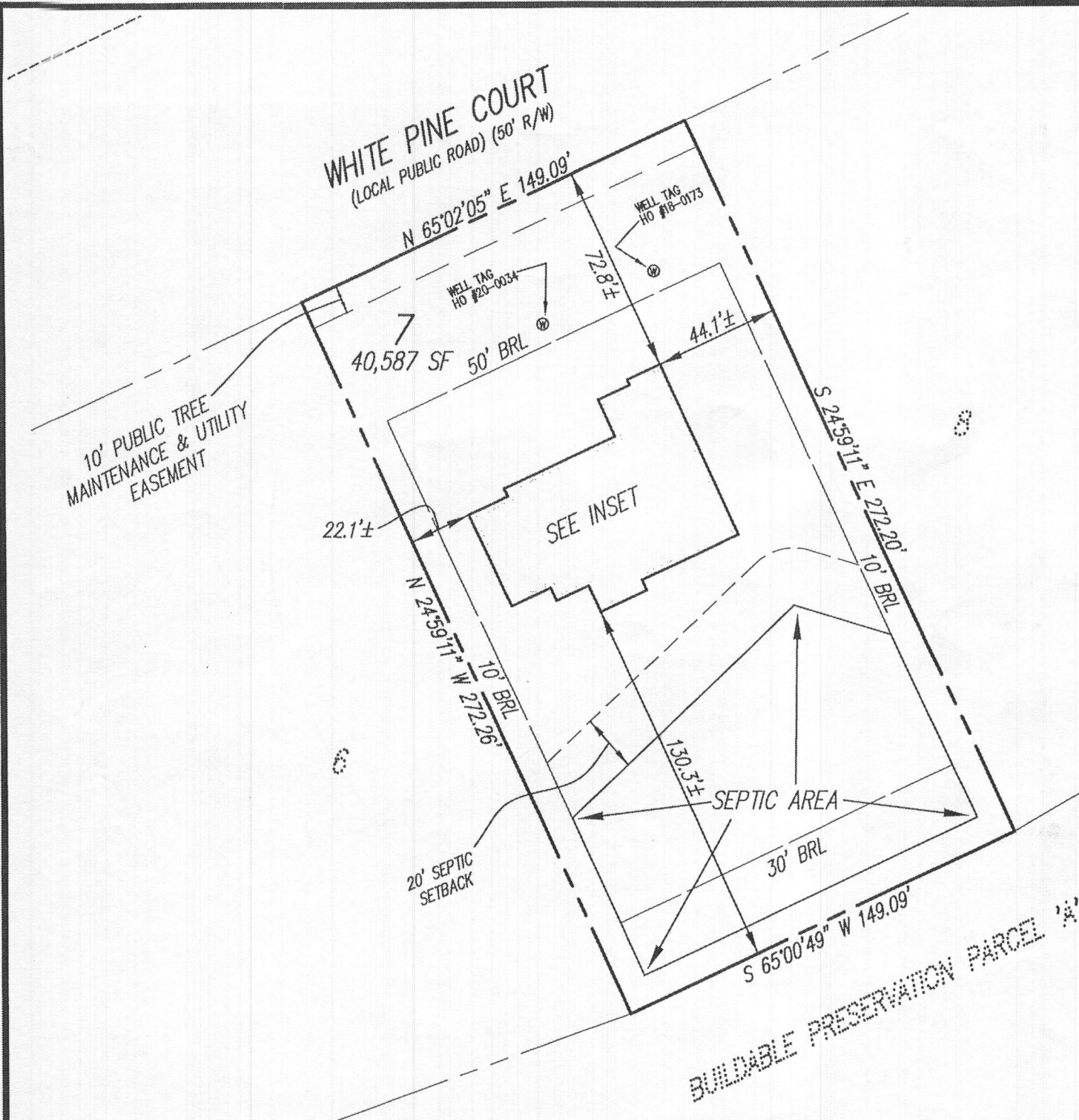
The grout was down about 5' below the pitless but we topped it off today. Here is a picture.

Michael Isom
Senior Project Manager
Michael Barlow Well Drilling
410-838-6910

From: 4106880261@vzwpix.com <4106880261@vzwpix.com>
Sent: Friday, December 1, 2023 3:34 PM
To: Michael Isom <misom@mbwd.us>
Subject:



S:\Survey Drawings\WALLCHECK\FULTON HILL - 23001\WCK\23001WCK-7.dwg, 8/23/2023 9:02:04 AM, billk, 1:1



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.

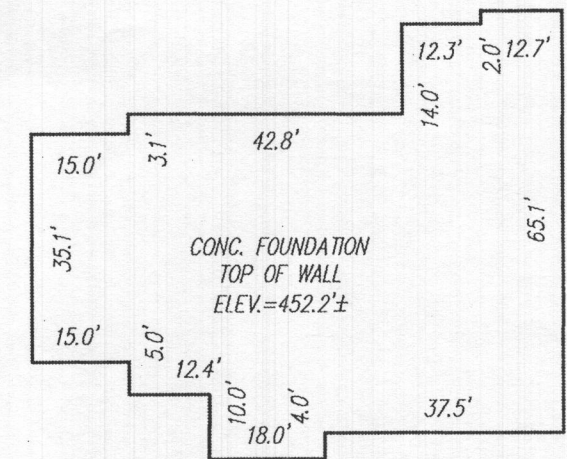
THIS IS NOT A "LOCATION DRAWING" AND IS NOT TO BE USED FOR SETTLEMENT PURPOSES.

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 24027C01450, EFFECTIVE DATE NOVEMBER 6, 2013.

BUILDING SETBACKS (B.R.L.'S) SHOWN HEREON PER PLAT 25978.

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'



SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY TO:
'WILLIAMSBURG GROUP.'

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.



S:\Survey Drawings\WALLCHECK\FULTON HILL - 23001\WCK\23001WCK-7.dwg

DES.	PREPARED FOR: WILLIAMSBURG GROUP 5485 HARPERS FARM RD. COLUMBIA, MD 21044
DRN. WDK	
CHK.	

WALLCHECK
(SPECIAL PURPOSE SURVEY)

FULTON HILL

LOT 7
8225 WHITE PINE COURT

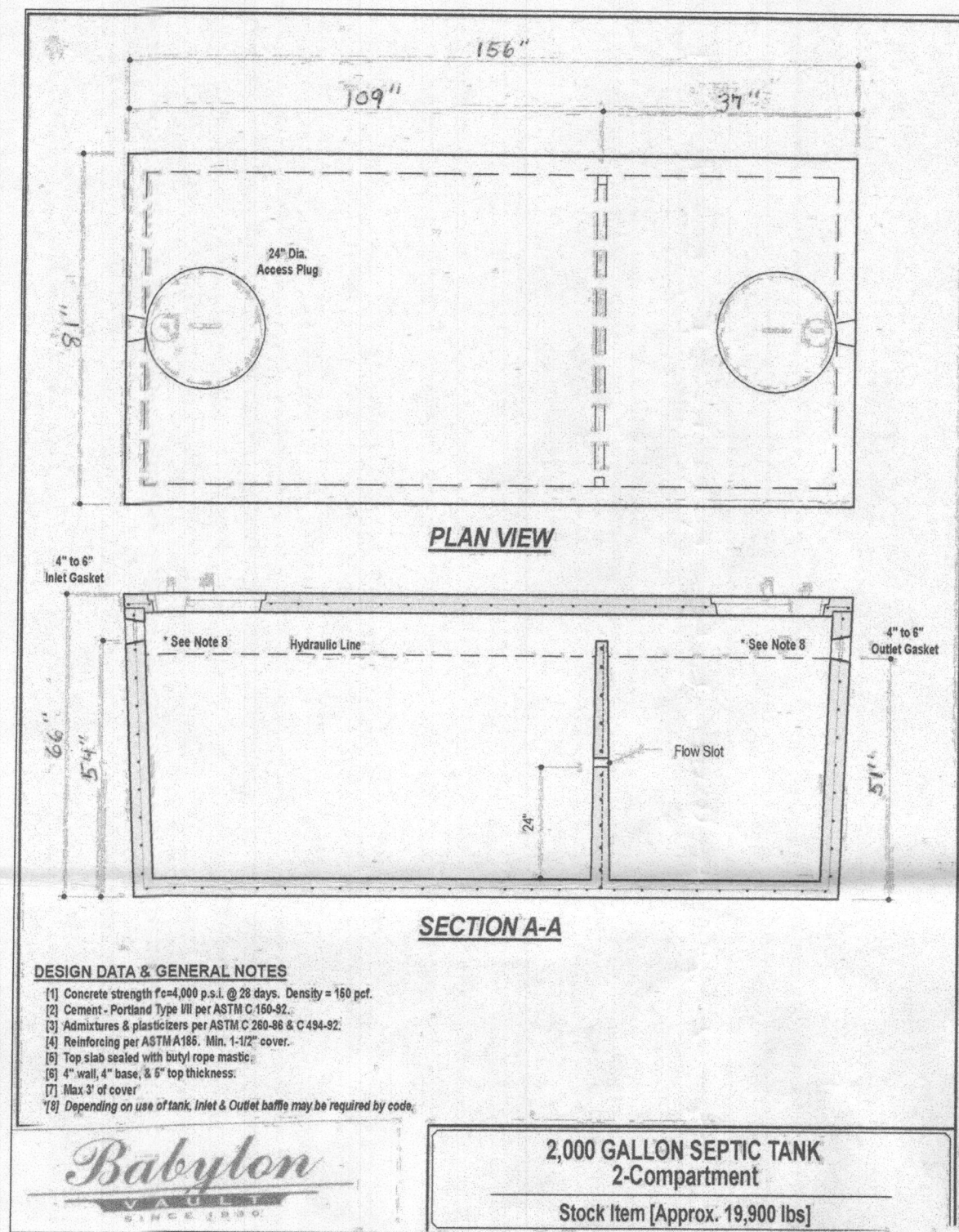
HOWARD COUNTY, MARYLAND

DATE OF LATEST FIELD WORK: 08/17/2023

G.L.W. FILE No. 23001

REFERENCE: PLAT No.: 25978

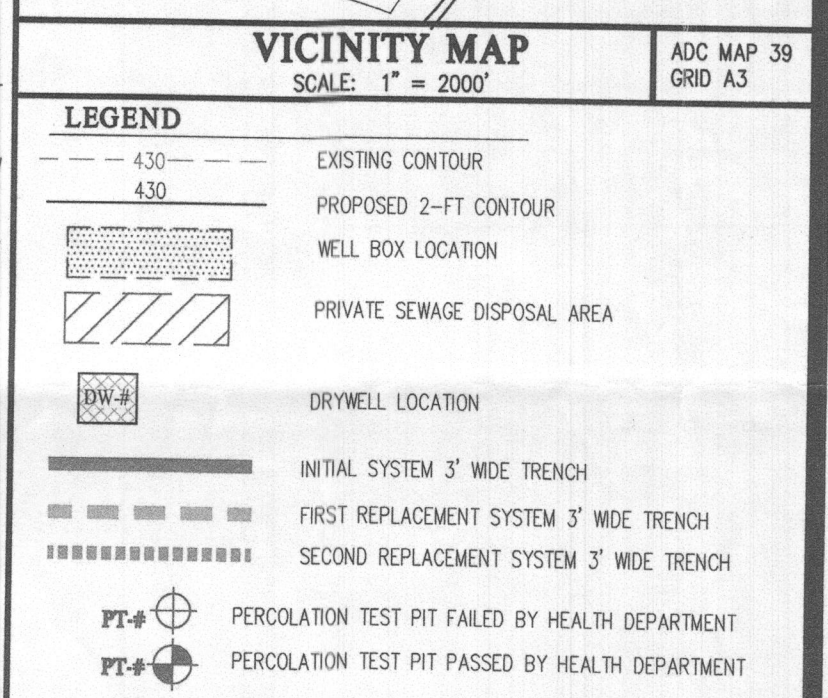
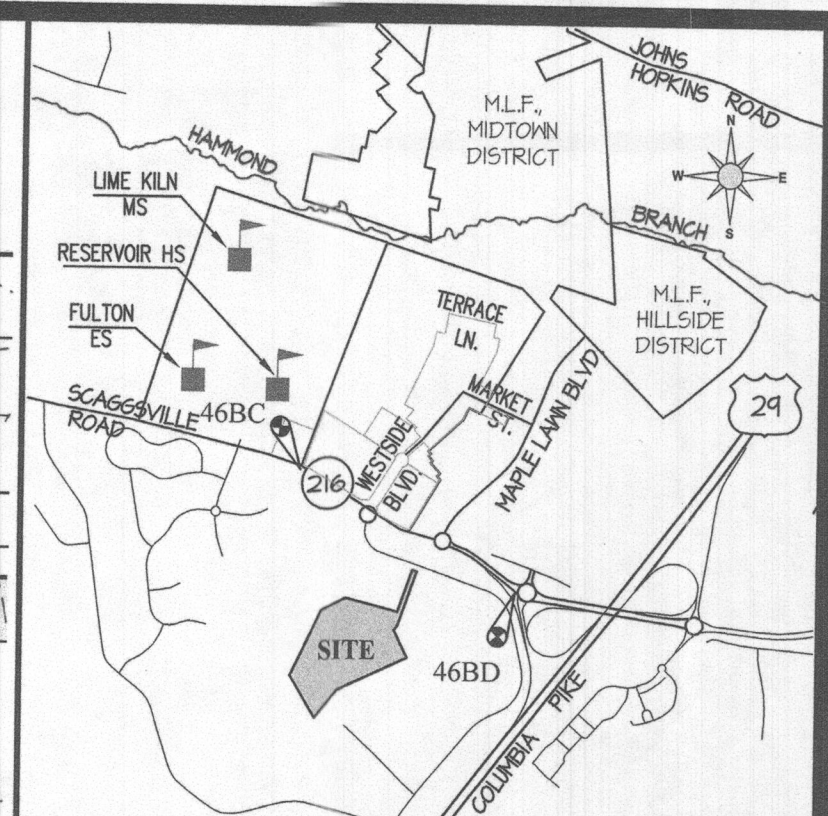
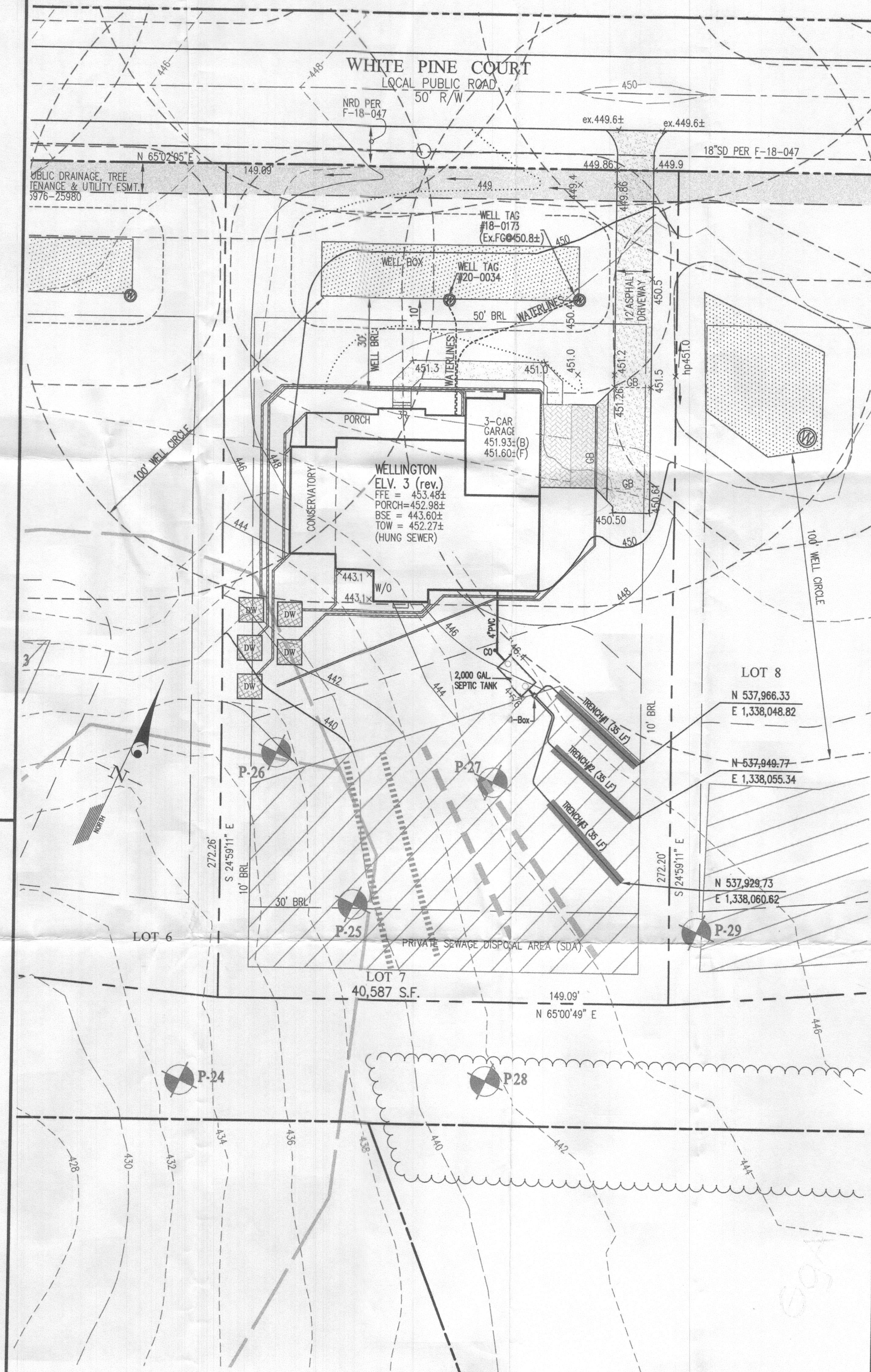
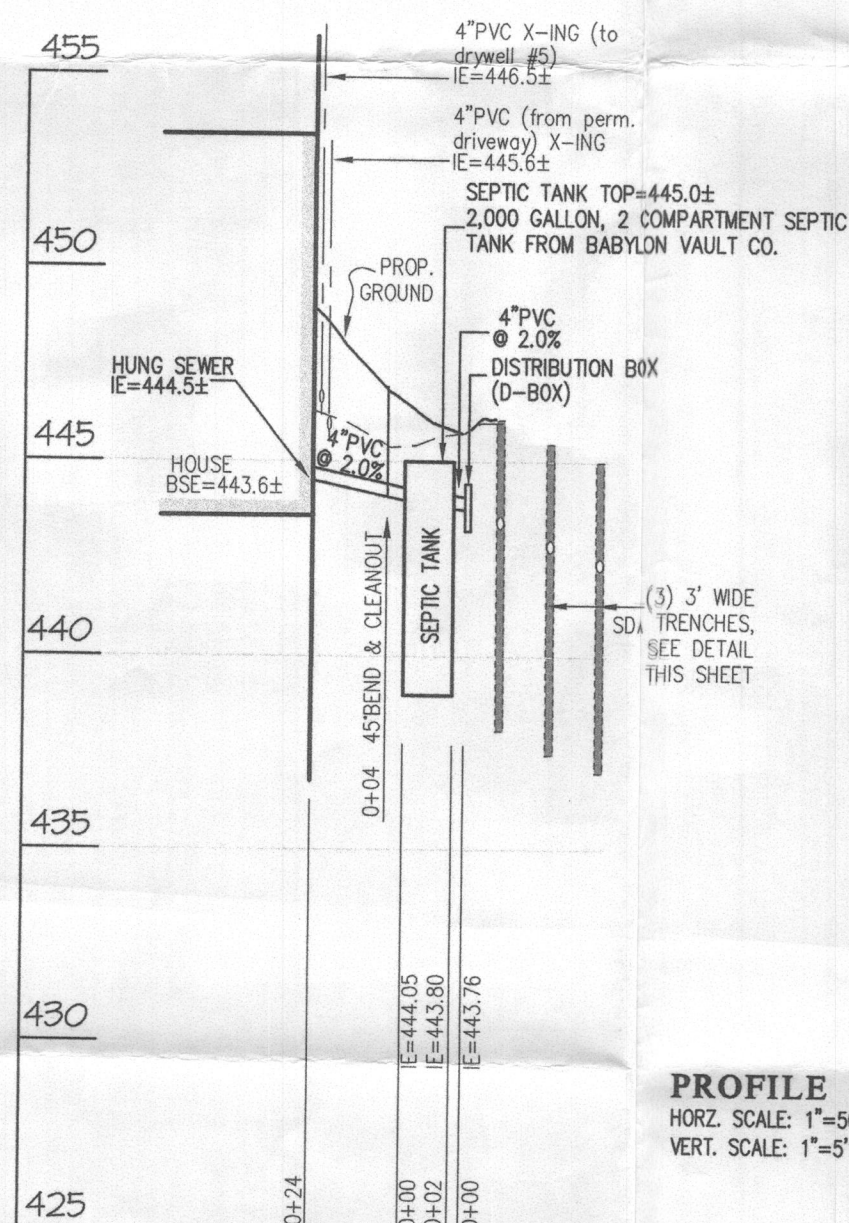
SCALE: 1"=50'



SEPTIC TANK CONSTRUCTION AND INSTALLATION NOTES:

- TANK TO BE ASTM C1227-20 AND HOWARD COUNTY CODE COMPLIANT AND INCLUDE A PROPERLY POSITIONED INLET T-BAPPLE EXTENDED INTO THE TANK AIR SPACE AT LEAST 8-INCHES ABOVE THE LIQUID LEVEL, BUT AT LEAST 1-INCH BELOW THE TOP, CONSTRUCTED OF NOT LESS THAN SCHEDULE 40 PVC.
- CONCRETE SHALL NOT BE LESS THAN 4-INCHES THICK.
- PROVIDE ADDITIONAL COATINGS AS MANDATED BY HOWARD COUNTY, MD.
- SET THE TANKS ON A 6-INCH MINIMUM LEVELING BED OF AASHTO #57 AGGREGATE ON A FIRM SUBGRADE.
- THE ACCESS COVERS TO BE CHILD PROOF HEAVY DUTY COVERS WITH INTERNAL SAFETY NET OR CATCH AS MANUFACTURED BY SIM TECH OR TUF-TITE. TANK AND RISERS TO BE WATERTIGHT AND PASS MANUFACTURERS WATER-TIGHTNESS TEST (VACUUM 2-INCHES HG FOR 60 MIN, 5 PSIG WATER FOR 60 MINUTES, 5 PSIG AIR FOR 15 MINUTES) OR MORE STRINGENT AS REQUIRED. THE LIDS ARE TO BE GAS TIGHT AND TO EXTEND NOT MORE THAN 4-INCHES ABOVE FINISHED GROUND.

SDA TRENCH SIZE CALCULATIONS				
Fulton Hill		Lot #7 (8225 White Pine Ct.)		
System Input Information		Initial System	Replacem't System No.1	Replacem't System No.2
Application Rate		1.2	1.2	1.2
Effective area beginning depth		4	4	4
Effective area maximum bottom depth		8	8	8
Number of Bedrooms		6	6	6
Design flow at 150 gal./day/bedroom		900	900	900
Absorption Trench Calculations				
Drainfield area required (Design flow/application rate)		750	750	750
Effluent pipe depth to invert		2.8		
Effective sidewall depth "D"				
Depth between the effective beginning depth or pipe depth (which ever is deeper) and maximum trench bottom.		4	4	4
Trench Width "W" (2 or 3 feet)		3	2	2
Sidewall Reduction Percent = $(W+2)/(W+1+2D)$		41.67%	36.36%	36.36%
Linear feet of trench required = (drainfield area x sidewall reduction)/W		104.17	136.36	136.36
Trench Layout Information				
Approximate length available on contour & not exceeding 100-ft		91	91	91
Number of trenches to use		3	2	2
Min. length (linear feet)		34.4	68.2	68.2
Total (linear feet)		104.1	136.4	136.4
Minimum Trench Spacing:		11	10	10
For trenches with no sidewall credit the spacing is 6' for a 2' wide trench and 9' for a 3' wide trench (measured edge to edge). All trenches utilizing sidewall reduction credit must be spaced a min. of 10' for effective sidewall not over 3.5'. If >3.5', then spacing formula is 2D+W up to a maximum of 18'.				



- NOTES
- 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 OSDS PLAN MAY BE REQUIRED.
 - THE MAXIMUM EARTH COVER OVER THE TANKS IS 3 FEET. GREATER EARTH COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.
 - ELECTRICAL WORK FOR THE SEPTIC SYSTEM INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
 - 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.
 - THE EXISTING WELL, TAG NUMBER HO-18-0173 & HO-20-0034 WERE FIELD LOCATED BY GLW IN 2022 AND IS ACCURATELY SHOWN ON THIS PLAN.

