

HOWARD COUNTY HEALTH DEPARTMENT

90213



DATE
9 / 18 / 25

P5

CODES

CASH
 CHECK

Received From
For

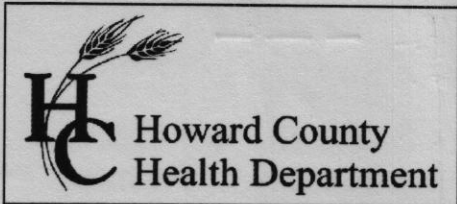
Hatfield's Equipment + Indivatives
Septic - New (12958 Highland Rd)

Four Hundred and Sixty Six ——— 00/100 Dollars

910 / 00

Received By

Heather Jangle



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: 9-18-25 **ONSITE SEWAGE DISPOSAL SYSTEM** P 590213

APPROVAL DATE: 8/10/25 **PERMIT: NEW CONSTRUCTION** A _____

PROPERTY ADDRESS: 12958 Highland Road

SUBDIVISION: McDaniel Property LOT: 6 TAX ID: _____

CONTRACTOR: Hatfields equipment EMAIL: _____

CONTRACTOR ADDRESS: _____ PHONE: _____

PROPERTY OWNER: Fayaz Syed & Nadia Chaudhry EMAIL: _____

OWNER ADDRESS: 8140 Westside Boulevard, Fulton, MD 20759 PHONE: 313-623-8279

SEPTIC TANK SIZE: 2000 Gal 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>174 (3 @ 58')</u>	INLET DEPTH: <u>3</u>
	TRENCH WIDTH: <u>32</u>	MAXIMUM BOTTOM DEPTH: <u>8</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>12</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>3</u>
LOCATION:	SYSTEM TO BE STAKED BY DESIGNER AND VERIFIED BY APPROVING AUTHORITY DURING PRE-CONSTRUCTION INSPECTION.	
NOTES:		

ISSUED BY: Z. Silvast *MJE* ISSUE DATE: 9-18-25 EXPIRATION DATE: 9-18-26

- NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION
- NOTE: CONTRACTOR REGISTERED WITH THE STATE OF MD ON-SITE WASTEWATER PROFESSIONALS BOARD: CONFIRMED
- 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 _____
- NOTE: THE HCHD DOES NOT WARRANT ANY SYSTEM AND CANNOT GUARANTEE THE PERFORMANCE OF THIS SYSTEM AS DESIGNED. BY ACCEPTING THIS PERMIT, THE OWNER AND/OR APPLICANT ACKNOWLEDGE THAT THE SPECIFICATIONS DETAILED IN THIS DESIGN ARE ONE POSSIBLE OPTION AND THAT THE HCHD WILL REVIEW OTHER PROPOSALS. YOU HAVE THE OPTION TO SEEK THE ADVICE OF A QUALIFIED DESIGN CONSULTANT OR PROFESSIONAL ENGINEER FOR FURTHER GUIDANCE.
- 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 Separate Sheet for As-built

ROAD NAME

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
2'	3'	8'
NUMBER OF TRENCHES		3
TOTAL LENGTH		176'
ABSORPTION AREA		352 Ft ² + Sidewalk
DISTRIBUTION BOX LEVEL		Yes
DISTRIBUTION BOX BAFFLE		Yes
DISTRIBUTION BOX PORT		Yes

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL	Yes
MANUFACTURER	Babyon
CAPACITY	2000 GAL
SEAM LOC	Top
TANK LID DEPTH	1-3'
BAFFLES	4" back / 6" front
BAFFLE FILTER	-
MANHOLE LOC	Top
6" PORT LOC	1 -
WATERTIGHT TEST	-
SLOTTED	Yes
DATE ON LID	8-25-25

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	

SEPTIC CONTRACTOR ONSITE INSTALLING SYTEM: Nathan Heath
SEPTIC CONTRACTOR ONSITE LICENSED WITH THE STATE OF MD: YES/NO

PRE-CONSTRUCTION NOTES:

9/26/25 Contractor has copy of permit and plans. House dimension as SHC changed slightly; porch is larger with 3' indent to the right of porch not built can still hit original SHC location 7' from corner of house. SDA, trench, tank, and d-box locations spaced accurately. Trenches are correct length and in contour. Confirmed well location OK to start. Plans to start next Wednesday (MD)

INSTALLATION NOTES:

10/1/25 Installer has Trench 3 and tank installed. Tank is level with 3' max cover. Trench 3 has 2.5' of stone (3' inlet) with geotextile fabric. Obs part installed. Stone ok. Trench 2 being dug while on site. Trench bottom slightly over 8' (MD) 10/1/25 Trench 1 and Trench 2 complete. 3' inlet with geotextile fabric and observation ports installed. 4" Back baffle installed in ST. Tank is slotted. D-box leveled. Trenches are 11" apart edge to edge. Tank will have 3' max cover. Risers on tank are 3' tall. (MD) 10/21/25 - contractor onsite, front 6" baffle observed, sewer line to septic tank completed w/ SHC made, well line in sp. completed too. (RR)

CONTROL PANEL DATA

CONTROL PANEL HEIGHT	N/A
(MIN 30")	
INSPECTION DATE	N/A
INSPECTION: PASS/FAIL (CIRCLE ONE)	

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

AGREEMENT FOR APPROVAL OF AN INDIVIDUAL DRINKING WELL WITH AN ON-SITE TREATMENT SYSTEM

This agreement is entered into by and between the Howard County Health Department (“the Health Department”) and Fayazuddin Syed and Nadia Chaudhry (“the Owner”).

WHEREAS, the Owner owns a tract of land at street address 12958 Highland Road, Highland, MD 20777 and the deed and subdivision plat of the property is recorded among the Land Records of Howard County, Maryland, Tax Map # 34, Block # —, Parcel # 0117, Deed Reference # 22674/00390 and Tax Account # 598727 (“the Property”).

WHEREAS, the Property lacks an available public drinking water source and is required to have and individual well as the source of drinking water for the residence of the property.

WHEREAS, the Owner has installed a residential drinking well under well permit HO-95-2655 that has been tested by the Health Department (or a private laboratory certified to perform testing) for radionuclide particles. The results of the tests have shown that the gross alpha particle content and/or the gross beta particle content and/or the combined radium 226/228 levels exceeds the standards of 15 picocuries per liter (pCi/L), 4 millirems per year (mrem/yr) and/or 5pCi/L respectively.

WHEREAS, The Maryland Department of the Environment (MDE) has promulgated rules and regulations under which a Certificate of Potability may be issued and has delegated the authority to issue such Certificate to the Health Department.

WHEREAS, MDE regulations permit the Health Department to issue as a special condition, a permanent deviation to the Certificate of Potability for individual wells where treatment has been installed to meet the maximum contaminate levels (MCL’s) for radionuclides.

WHEREAS, MDE has determined that radium can be effectively removed from the drinking water by the use of treatment devices (e.g., ion exchange or reverse osmosis).

WHEREAS, the Owner is requesting that the Health Department issue a Certificate of Potability contingent upon installation and maintenance of a water treatment device to reduce radionuclides.

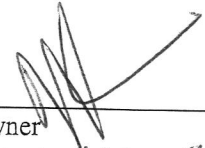
WHEREAS, neither the Owner nor the Health Department has knowledge of an alternative safe source of water for the Property.


NOW THEREFORE, the parties have agreed to the following terms and conditions:


1. The Owner will record this Agreement among the Land Records of Howard County, Maryland and provide confirmation to the Health Dept.
2. The Owner agrees to install and maintain a water treatment device, which effectively reduces the gross alpha, gross beta and radium levels to below their respective MCL. The Health Department shall verify that the treatment device is operating effectively and the Owner agrees to allow access to the Health Department to collect a follow-up sample(s).

3. The Health Department shall issue a Certificate of Potability for the well once follow-up sampling shows acceptable gross alpha, gross beta (short and long term) and radium 226 / 228 levels.
4. The Owner agrees that there shall be no liability on part of the Health Department for any immediate or long term impacts to health or property, under any circumstance or including, but not limited to, treatment device failure, improper maintenance or installation, or defect. The Health Department does not warranty or guarantee that the device will adequately or properly function and the Owner agrees to implement and pay for any necessary changes or corrections.
5. The Owner acknowledges and agrees that neither the Health Department nor any of its agents or employees, either officially or individually, underwrites the operation of any system or treatment device.
6. This Agreement shall not be construed to limit any authority of the Health Department to protect the public health, safety or enjoyment of property or to issue any other orders to take any other action, which is now or may hereafter be within its authority.
7. This agreement contains the entire agreement and understanding between the Health Department 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 their authorized representatives.
8. The Agreement shall run with the land and binds the Owner, his heirs, successors, and assigns. The owner agrees to provide a copy of this agreement to any purchaser or lessee of the property.
9. The laws of the State of Maryland govern the provisions of all transactions.

The parties have signed this Agreement on the dates set forth below.

	10/21/25		
Owner Faza Zuddin Syed	Date	Buyer	Date

	9/28/25		
Owner Nadia Chaudhry	Date	Buyer	Date

	10/22/25		
Howard County Health Department	Date		

Hickory Ridge Farm
Lot 6
12958 Highland Rd

Clerk of the Circuit Court for
Howard County
9250 Judicial Way
Ellicott City, MD 21043
410-313-2111

Receipt Ref# 1022251302001013
Terminal: 13PRD474 Operator: 49
10/22/2025 14:48:43

Agreement Recording Fee \$60.00
Name: SYED
Ref: 8
Fee Amount: \$20.00
Agreement Surcharge: \$40.00

Payments

Credit Card \$60.00
Card Type: VISA
CC #: 5997
Authorization #: 05247G
Order Id: 76071384
AID: A0000000031010
ARC: 3030
IAD: 06011203A00000

Total Due \$60.00
Total Received \$60.00

X _____
Signature

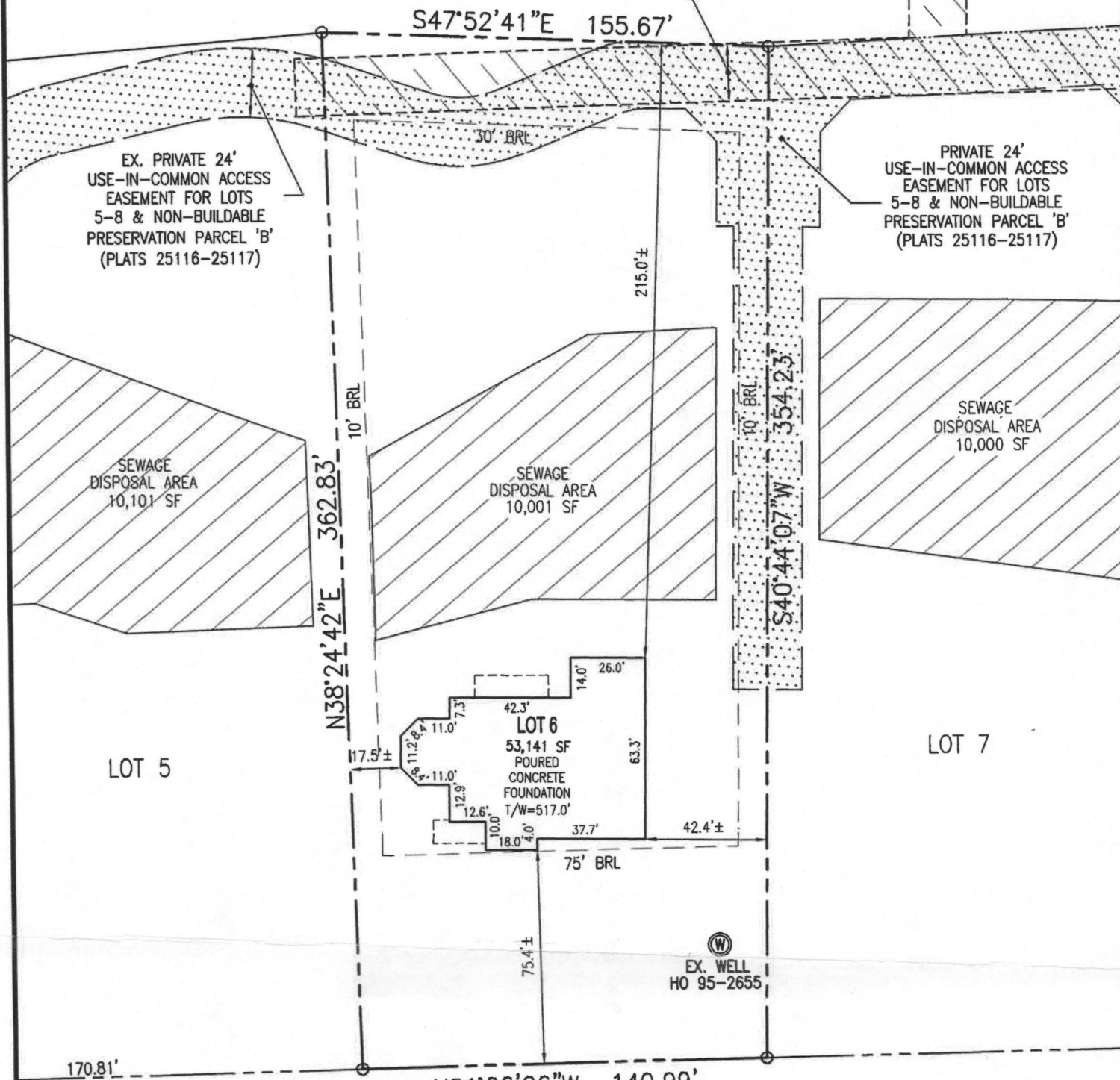
~Thank you for visiting us today~

THIS WALL CHECK DRAWING CONTAINS A HORIZONTAL TOLERANCE IN ACCURACY OF 0.1' AND A VERTICAL TOLERANCE IN ACCURACY OF 0.2'

**NON-BUILDABLE PRESERVATION
PARCEL 'B'**

8.55 AC.
OWNED BY JOHN MCDANIEL
WITH THE EASEMENT HOLDERS BEING
THE HOMEOWNERS ASSOCIATION AND
HOWARD COUNTY, MARYLAND

PRIVATE VARIABLE WIDTH
STORMWATER MANAGEMENT,
DRAINAGE & UTILITY EASEMENT
(PLAT 23442)



Wall check OK
MB/RR
9/26/25

I HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF THAT THE IMPROVEMENTS ARE LOCATED AS SHOWN AND THAT THERE ARE NO ENCROACHMENTS EXCEPT AS SHOWN; THAT THIS DOCUMENT WAS PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROPERTY LINE SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND.

Thomas M. Hoffman, Jr.

7.22.25
DATE

THOMAS M. HOFFMAN, JR.,
PROPERTY LINE SURVEYOR
LICENSE NO. 267
EXP. DATE: JULY 28, 2026



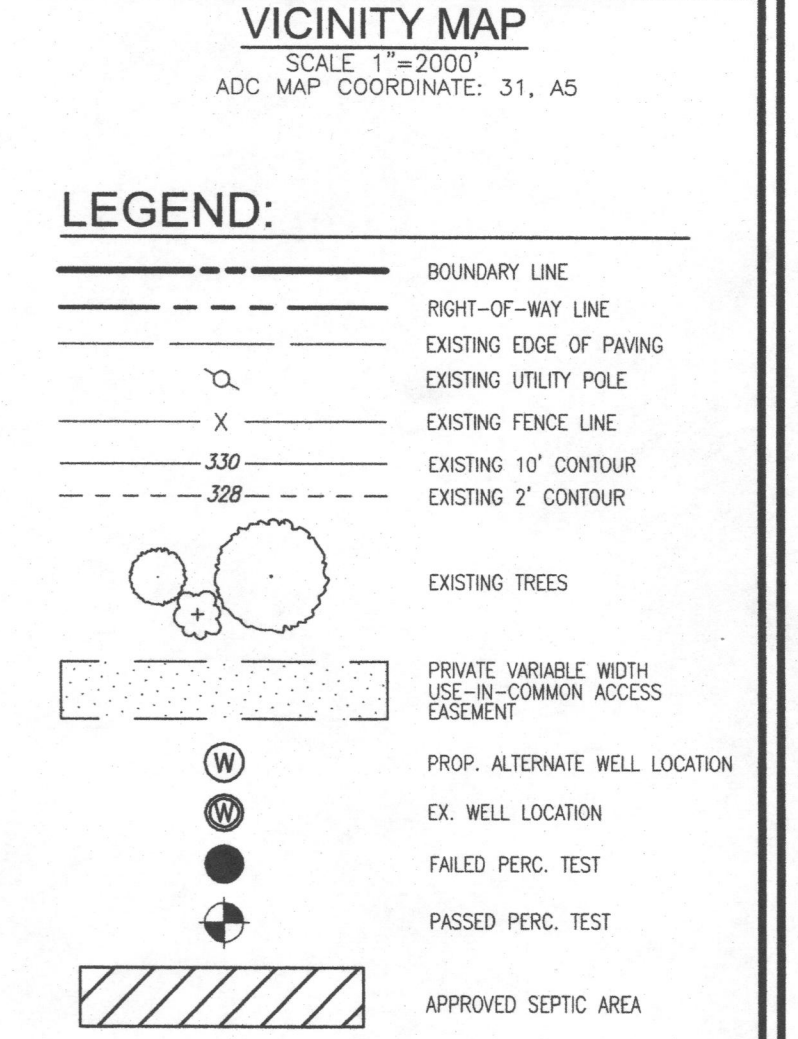
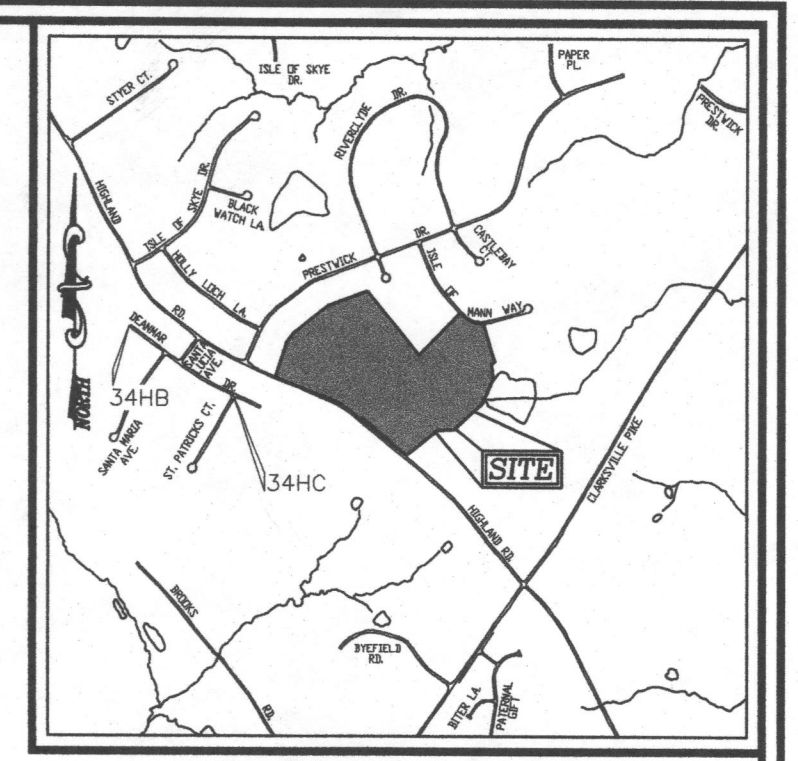
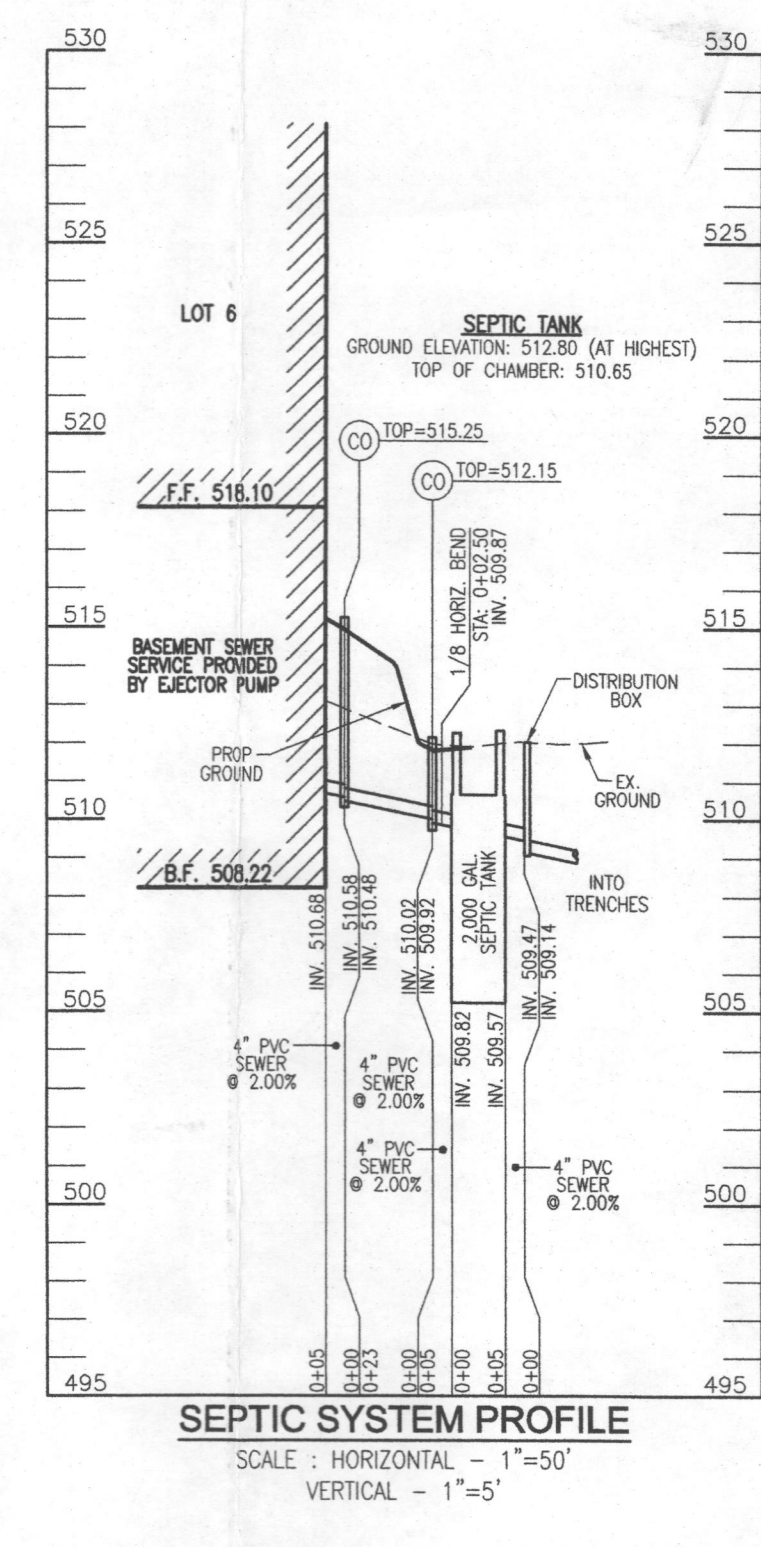
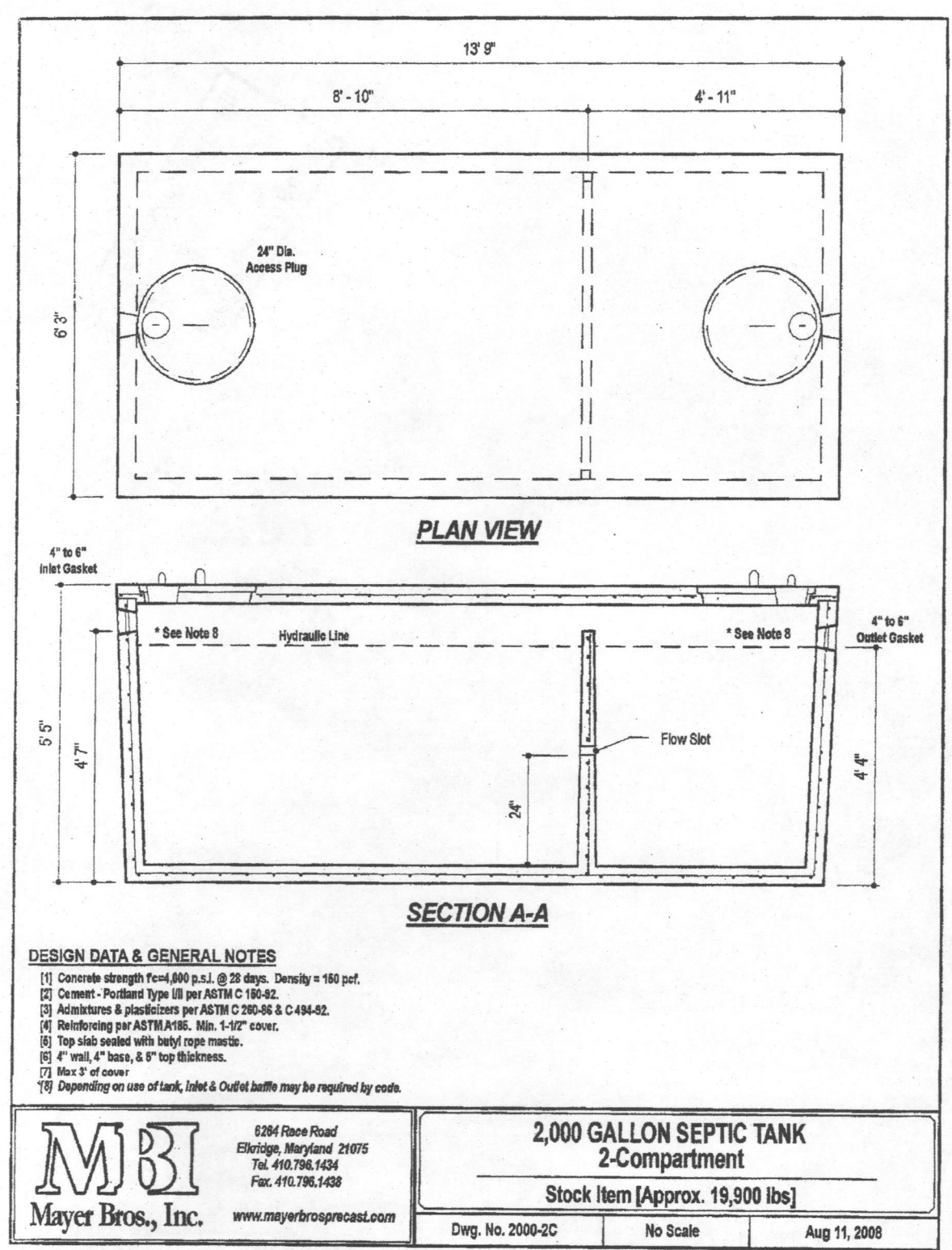
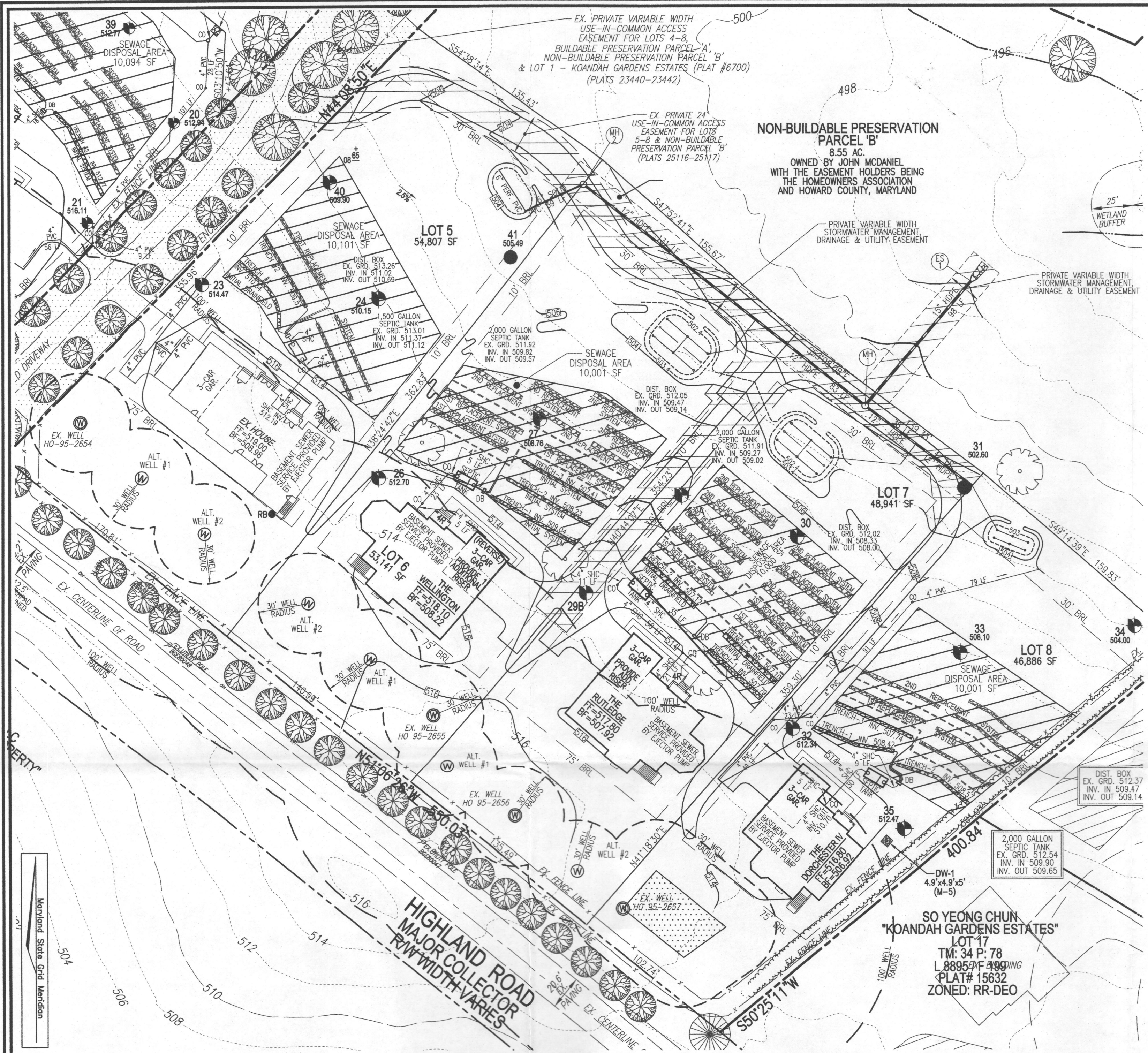
SCALE 1" = 50'	DATE 07/21/25
DRAWN BY J.M.M.	CHECKED BY T.M.H.
PLAT NUMBER 23440-23442	JOB NUMBER 08-43.00

VOGEL ENGINEERING

TIMMONS GROUP

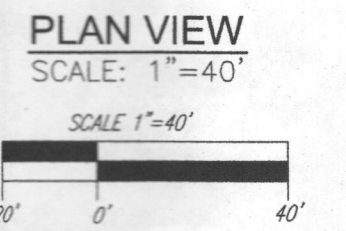
3300 NORTH RIDGE ROAD, SUITE 110, ELLICOTT CITY, MD 21043
P: 410.461.7666 F: 410.461.8961 www.timmons.com

WALL CHECK DRAWING
12958 HIGHLAND ROAD
LOT 6
MCDANIEL PROPERTY
PLAT NO. 23442
FIFTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

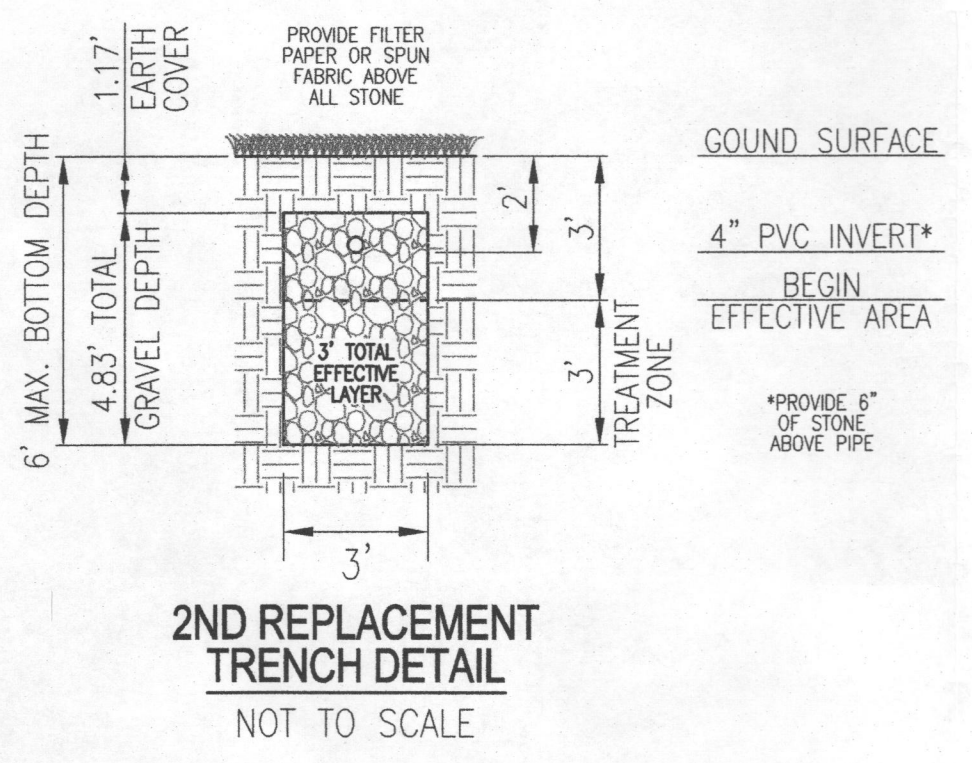
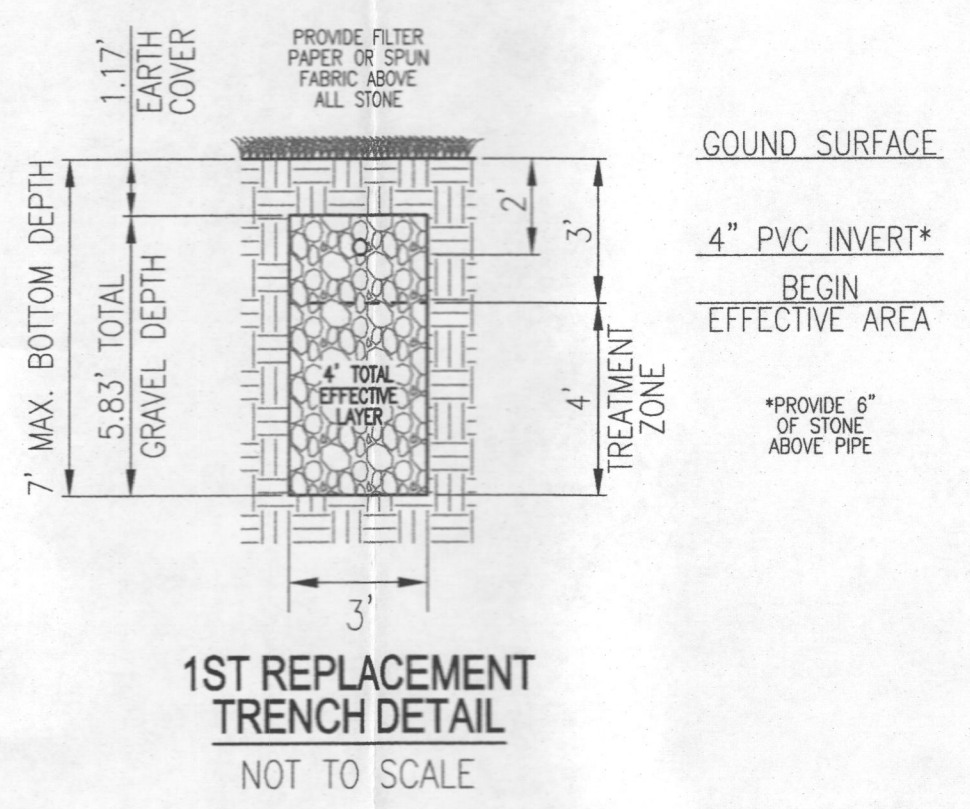
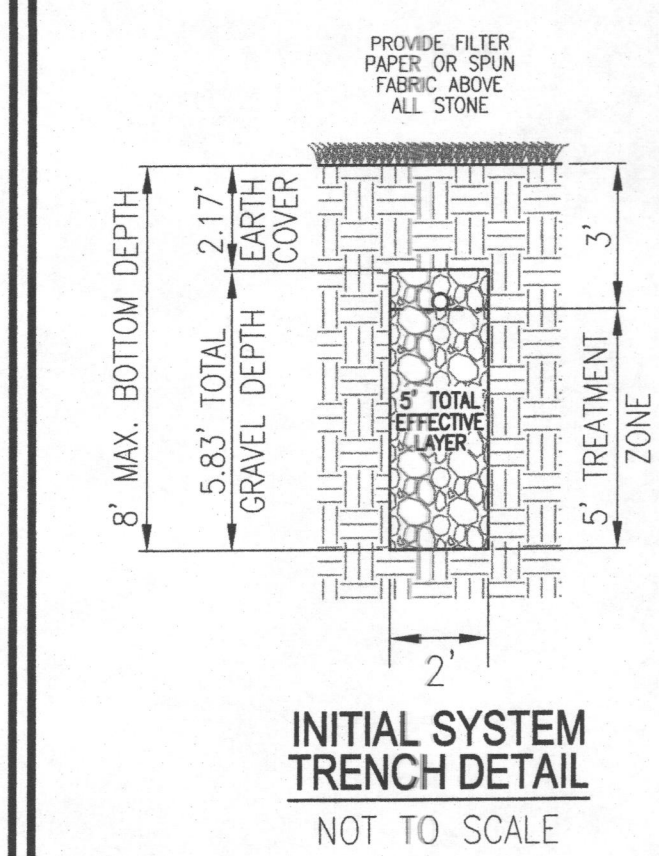


NOTE:
IT IS HIGHLY RECOMMENDED THAT ALL TREES LOCATED WITHIN/NEAR THE SEWAGE DISPOSAL AREA BE REMOVED PRIOR TO INSTALLATION OF THE SEPTIC TRENCHES AND COMPONENTS DUE TO CONCERNS OVER THE POTENTIAL FOR TREE ROOT INFILTRATION.

WELL LOCATION CERTIFICATION:
THE EXISTING WELL SHOWN ON THIS PLAN (HO-95-2655) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN



TRENCH	LENGTH	TRENCH INVERT	TRENCH BOTTOM	EXISTING GROUND
1	58'	508.04	504.04	512.04
2	58'	508.23	503.23	511.23
3	58'	507.41	502.41	510.41



SYSTEM CALCULATIONS:

INITIAL SYSTEM:
6 BEDROOMS AT 900gpd / 0.8 ABSORPTION RATE = 1,125 SQ. FT.
1,125 SQ. FT. / 3 (TRENCH WIDTH) x .42 (SIDEWALL REDUCTION) = 174 LINEAR FEET
174 TOTAL LINEAR FEET OF TRENCH ARE PROVIDED WITH THE INITIAL SYSTEM (3 TRENCHES OF 58' IN LENGTH)

FIRST REPLACEMENT SYSTEM:
6 BEDROOMS AT 900gpd / 0.8 ABSORPTION RATE = 1,125 SQ. FT.
1,125 SQ. FT. / 3 (TRENCH WIDTH) x .42 (SIDEWALL REDUCTION) = 158 LINEAR FEET
159 TOTAL LINEAR FEET OF TRENCH ARE PROVIDED WITH THE FIRST REPLACEMENT SYSTEM (3 TRENCHES OF 53' IN LENGTH)

SECOND REPLACEMENT SYSTEM:
6 BEDROOMS AT 900gpd / 0.8 ABSORPTION RATE = 1,125 SQ. FT.
1,125 SQ. FT. / 3 (TRENCH WIDTH) x .50 (SIDEWALL REDUCTION) = 188 LINEAR FEET
192 TOTAL LINEAR FEET OF TRENCH ARE PROVIDED WITH THE SECOND REPLACEMENT SYSTEM (6 TRENCHES OF 32' IN LENGTH)

Approved Septic System Plan
Howard County Health Department
Signature: *[Signature]* Date: 6/17/2025

OWNER:
FAYAZ SYED
NADIA CHAUDHRY
8140 WESTSIDE BLVD.
FULTON, MD 20759
(313) 623-8279

BUILDER:
WILLIAMSBURG HOMES, LLC.
5485 HARRIS FARM RD., SUITE 200
COLUMBIA, MD 21044
ATTN: MR. BRUCE HARVEY
(410) 997-8800

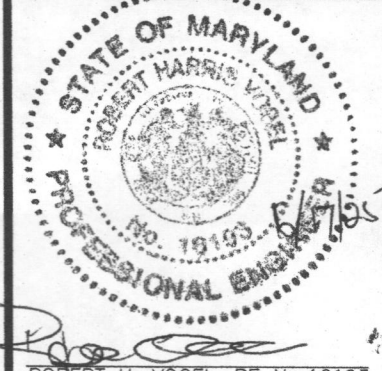
ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN

MCDANIEL PROPERTY - LOT 6
12958 HIGHLAND ROAD
HIGHLAND, MD 20777

PLATS: 23440-42
TAX MAP: 34 GRID: 22
5TH ELECTION DISTRICT

VOGEL ENGINEERING

TIMMONS GROUP, INC.
3300 NORTH RIDGE ROAD, SUITE 110, ELLICOTT CITY, MD 21043
P: 410.461.7666 F: 410.461.8961 www.timmons.com



PROFESSIONAL CERTIFICATE
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 19193 EXPIRATION DATE: 08-27-2028

DESIGN BY: RHV
DRAWN BY: JMR
CHECKED BY: RHV
DATE: JUNE 2025
SCALE: AS SHOWN
W.O. NO.: 08-43