



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

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

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

RECEIPT DATE: 11-23-22 **ONSITE SEWAGE DISPOSAL SYSTEM**

P 572701

APPROVAL DATE: 3/17/2023 **PERMIT: CONSTRUCTION**

A \_\_\_\_\_

PROPERTY ADDRESS: 14770 McCann Farm Road

SUBDIVISION: McCann Estates - West LOT: 1 TAX ID: \_\_\_\_\_

CONTRACTOR: Hofffelds Equipment EMAIL: \_\_\_\_\_

CONTRACTOR ADDRESS: P.O. Box 519 Annapolis, Md 20701 PHONE: 301-490-4289

PROPERTY OWNER: Nicholas Lally EMAIL: \_\_\_\_\_

OWNER ADDRESS: 14830 Old Frederick Rd 21797 PHONE: \_\_\_\_\_

SEPTIC TANK SIZE (GALLONS): 2,000 TANK MANUFACTURER: Mayer Bros

PUMP MODEL: EP04 PUMP SIZE: 0.4 PUMP TANK CAPACITY: 2,000

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

TRENCHES:	LINEAR FEET REQUIRED: <u>112.5'</u>	INLET DEPTH: <u>2'</u>
	TRENCH WIDTH: <u>3'</u>	MAXIMUM BOTTOM DEPTH: <u>4'</u>
	MINIMUM SPACE BETWEEN TRENCHES: _____	EFFECTIVE AREA BEGINNING DEPTH: <u>3.5'</u>
	LOCATION: PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:	<u>Install 2 trenches @ 57'</u>	

ISSUED BY: \_\_\_\_\_ ISSUE DATE: 11-23-22 EXPIRATION DATE: 11-23-23

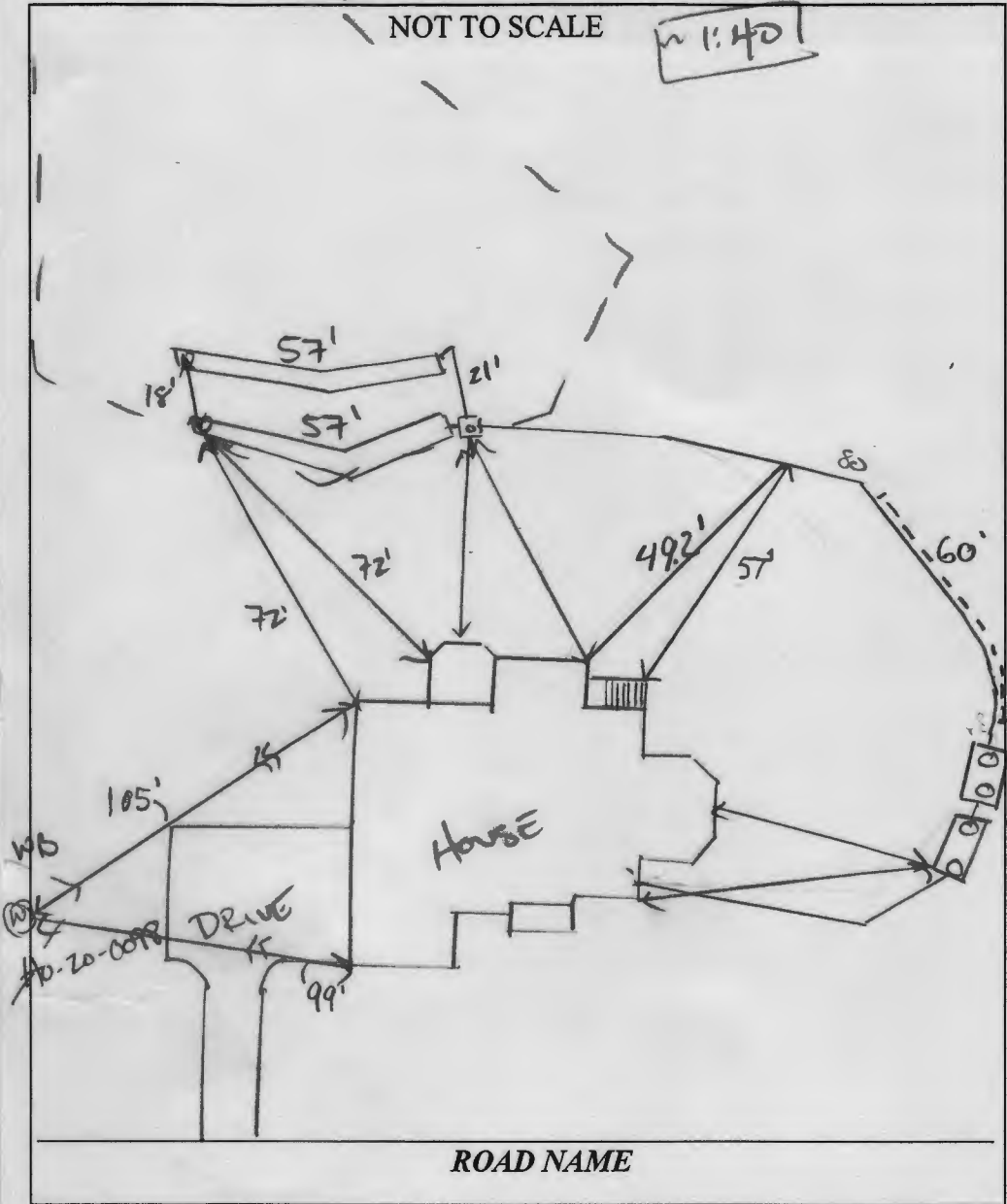
- NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION
- NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING
- NOTE: STONE MUST BE APPROVED BY HEALTH DEPARTMENT AND GRAVEL TICKET MUST BE AVAILABLE FOR REVIEW.
- 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 \_\_\_\_\_
- 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.**

SDA

NOT TO SCALE

~ 1:40



**TRENCH/DRAINFIELD DATA**

WIDTH	INLET	BOTTOM
3'	2'	7'
NUMBER OF TRENCHES		2
TOTAL LENGTH		114 F
ABSORPTION AREA		342 SF + 35' SIDE WALL
DISTRIBUTION BOX LEVEL		LPO
DISTRIBUTION BOX BAFFLE		90° TURN
DISTRIBUTION BOX PORT		YES

**SEPTIC TANK DATA**

SEPTIC TANK 1 LEVEL	YES
MANUFACTURER	BABYLON
CAPACITY	2000 GAL
SEAM LOC	TOP
TANK LID DEPTH	3'-1"
BAFFLES	-
BAFFLE FILTER	-
MANHOLE LOC	FRONT/BACK
6" PORT LOC	-
WATERTIGHT TEST	-
SLOTTED	YES
DATE ON LID	09/30/2022
PUMP/SEPTIC TANK LEVEL	YES
MANUFACTURER	BABYLON
CAPACITY	2000 GAL
SEAM LOC	TOP
TANK LID DEPTH	3'-1"
BAFFLES	-
BAFFLE FILTER	-
MANHOLE LOC	FRONT/BACK
6" PORT LOC	-
WATERTIGHT TEST	-
SLOTTED	YES
DATE ON LID	10/21/2022

**PRE-CONSTRUCTION:**

11/29/2022 Confirmed contour of 2x 57' trenches; confirmed staked tank locations (P)

**INSTALLATION:**

12/08/2022 installed 2x 57' trenches on contour. D-Box set. initiated construction of forced main (P) 12/09/2022 Completed trenches and set tanks. (P) 12/12/22 - 13' is sleeved coming out of tanks. Measured FM to where last inspector stopped at. OK to backfill. Re-inspect for P & A. (P/R/SP)

3/7/2023 - Alarm located outside of tank, used rhombus panel. Visual & audible alarm OK. Pump works, saw water go to D-box. Saw circuit with septic labeled inside house (SP)

## Oswald, Hank

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**From:** Oswald, Hank  
**Sent:** Friday, October 22, 2021 11:16 AM  
**To:** Maya Mildenberg (maya@mba-eng.com)  
**Subject:** OSDS Plan\_14770 McCann Farm Road, McCann Estates – West Lot 1

Hi Maya:

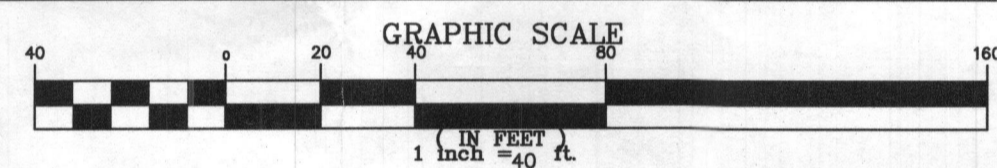
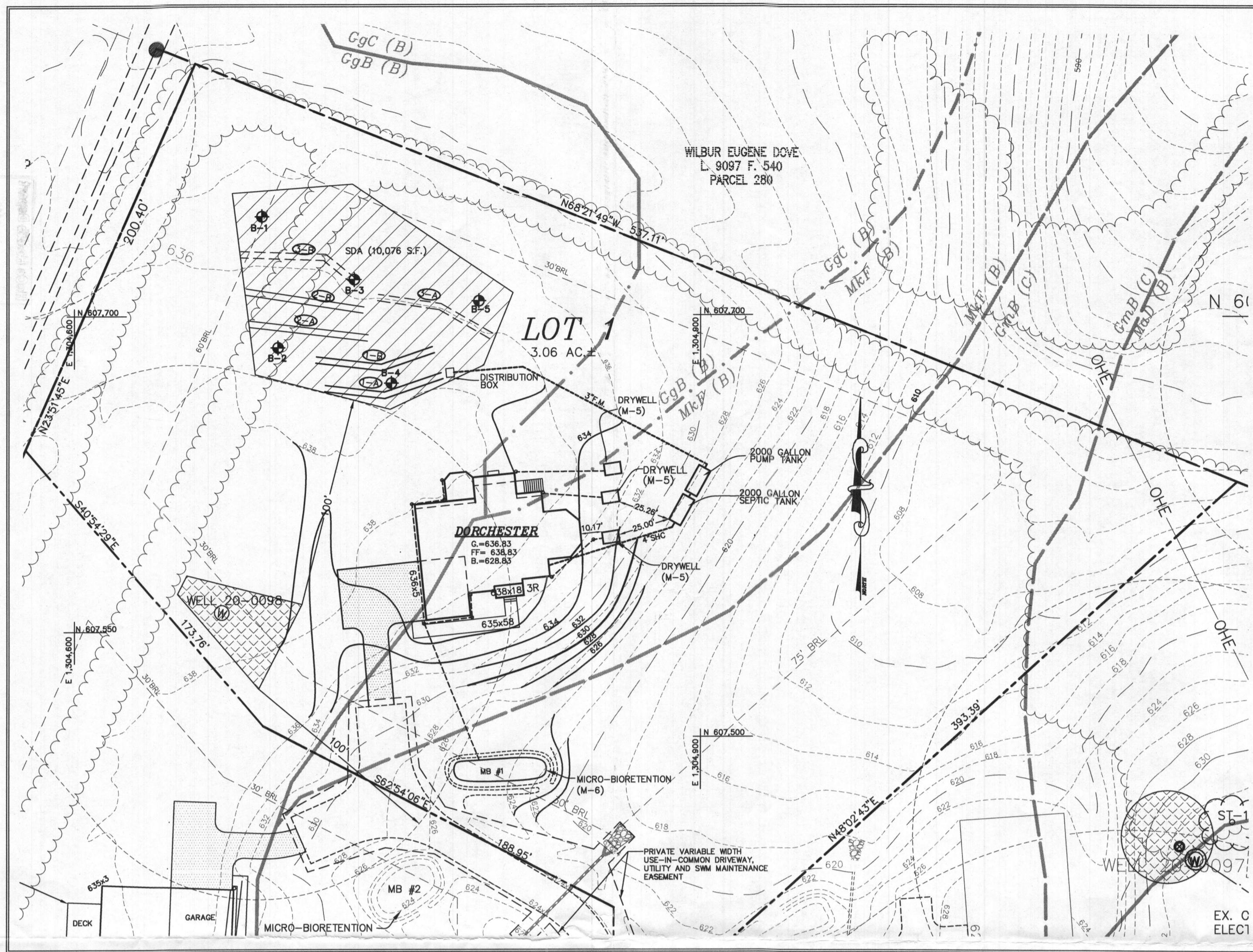
The OSDS Plan for 14770 McCann Farm Road, McCann Estates – West Lot 1 has been reviewed with the following comments:

1. Application rates for all 3 systems is 1.2 (not 0.8).
2. Raise trench inverts to 2 feet below grade for better design.
3. Add test hole #s to plan as well as SDA sq. footage
4. Label all stormwater management devices
5. Label calculation for emergency storage above high water alarm.
6. Clarify pump model information. Please note: Pump should not be a 230v model.
7. Initial calc  $375 \times .045 = 168.75$ ,  $375 \times .4545 = 170.45$

Should you have any questions ,please don't hesitate to ask.

Thanks,

Hank Oswald, L.E.H.S.  
Howard County Health Department  
Well & Septic Program  
410.313.1786  
hoswald@howardcountymd.gov



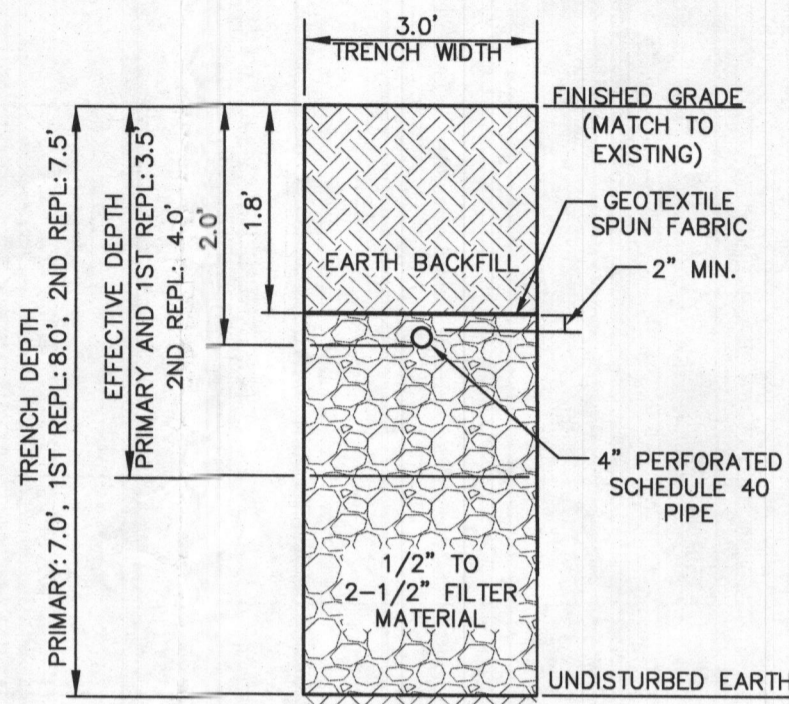
**SOILS TABLE**

SYMBOL	RATING	NAME	K FACTOR
GgB	(B)	GLENELG LOAM, 3-8% SLOPES.	.20
GgC	(B)	GLENELG LOAM, 8-15% SLOPES.	.20
GmB	(C)	GLENVILLE SILT LOAM, 3-8% SLOPES	.37
MkF	(B)	MANOR-BRINKLOW COMPLEX, 25-65% SLOPES	.24

**ON-SITE SEWAGE DISPOSAL SYSTEM:**

RESIDENTIAL SYSTEM DESIGN:  
 6 BEDROOM HOUSE  
 150 GALLONS X # OF BEDROOMS = VOLUME OF WASTEWATER /DAY  
 150 X 6 = 900 GPD

PRIMARY SYSTEM AND REPLACEMENT SYSTEM  
 PERC RATE = 2-5 MINUTES/INCH  
 APPLICATION RATE = 1.2 GPD/SQ.FT.  
 DESIGN FLOW + APPLICATION RATE = SQ.FT. OF TRENCH REQUIRED  
 900 + 1.2 = 750 SQ.FT.  
 SQ.FT. REQUIRED + WIDTH OF TRENCH = LENGTH OF TRENCH  
 750 + 3.0' = 250 FT  
 USE 42" OF GRAVEL BELOW DRAIN PIPE  
 250 X 0.45 = 112.5 FT  
 USE TWO (2) TRENCHES 57.0' (REQUIRED: 56.25')  
 A MINIMUM OF 10' BETWEEN TRENCHES UTILIZING SIDEWALL REDUCTION CREDIT.



**TRENCH DETAIL**  
NOT TO SCALE

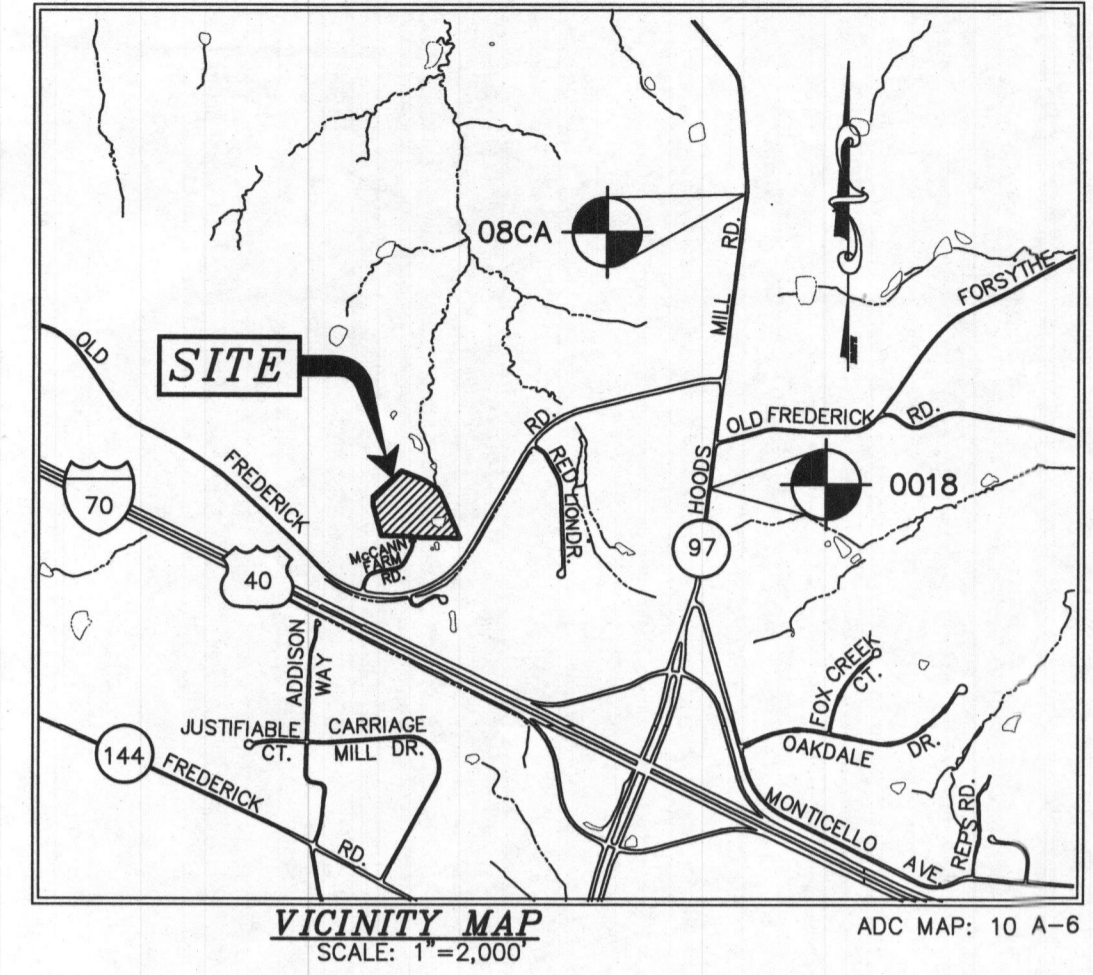
**DYNAMIC HEAD (FRICTION HEAD)**

DYNAMIC HEAD CALCULATION

3" FORCEMAIN LENGTH	135 LF
4 90° x10FT	40 LF
1 45° x 6FT	6 LF
1 CPL/RED x 3FT	3 LF
TOTAL LENGTH	184 LF
37 GPM x0.34 FT/100 LF	184 LF = 0.63 FT

**SEWER SYSTEM CHART**

DESCRIPTION	VALUE
BASEMENT ELEVATION	628.83
INVERT OUT OF THE HOUSE	628.44
FINISHED GRADE AT SEPTIC TANK	628.00
TOP OF SEPTIC TANK	625.99
INVERT INTO SEPTIC TANK	625.16
INVERT OUT OF SEPTIC TANK	624.91
FINISHED GRADE AT PUMP TANK	628.00
TOP OF PUMP TANK	625.70
INVERT INTO PUMP TANK	624.87
INVERT OUT OF PUMP TANK	624.62
INVERT IN TO DISTRIBUTION BOX	635.73
PUMP TANK FLOOR	620.61
PUMP OFF	622.11
PUMP ON	622.40
HIGH WATER ALARM	622.69
WATER LEVEL	624.52
STATIC HEAD	13.62
TOTAL DYNAMIC HEAD	14.25
DOSED RATE (GALLONS)	150
PUMP RUNTIME (MINUTES)	4.05



**GENERAL NOTES:**

- THE SUBJECT PROPERTY IS ZONED RC-DEO PER THE OCTOBER 6, 2013 COMPREHENSIVE ZONING PLAN.
- PARCEL BACKGROUND:  
 TAX MAP: B  
 PARCEL: 27-A LOT: 3  
 ELECTION DISTRICT: FOURTH  
 ZONING: RC-DEO  
 AREA: 3.06 AC  
 DPZ FILES: ECP-18-045, F-20-048, WP-20-006, WP-20-101  
 ADDRESS: 14740 MCCANN FARM DR., WOODBINE, MD 21797
- TOPOGRAPHY FOR THE DEVELOPED AREAS IS BASED ON FIELD RUND SURVEY PERFORMED BY MILDENBERG, BOENDER & ASSOC., INC. ON OR ABOUT DECEMBER 2014.
- PRIVATE WELL AND SEPTIC WILL BE UTILIZED.
- THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED EASEMENT SHALL NOT BE NECESSARY.
- ANY CHANGES TO THE LOCATION OR DEPTHS TO ANY COMPONENTS MUST BE APPROVED BY THE ENGINEER AND THE HOWARD COUNTY HEALTH DEPARTMENT PRIOR TO INSTALLATION. A REVISED 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 WELL TAG # HO-20-0098 HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.
- ANY WELLS OR SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELL AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.

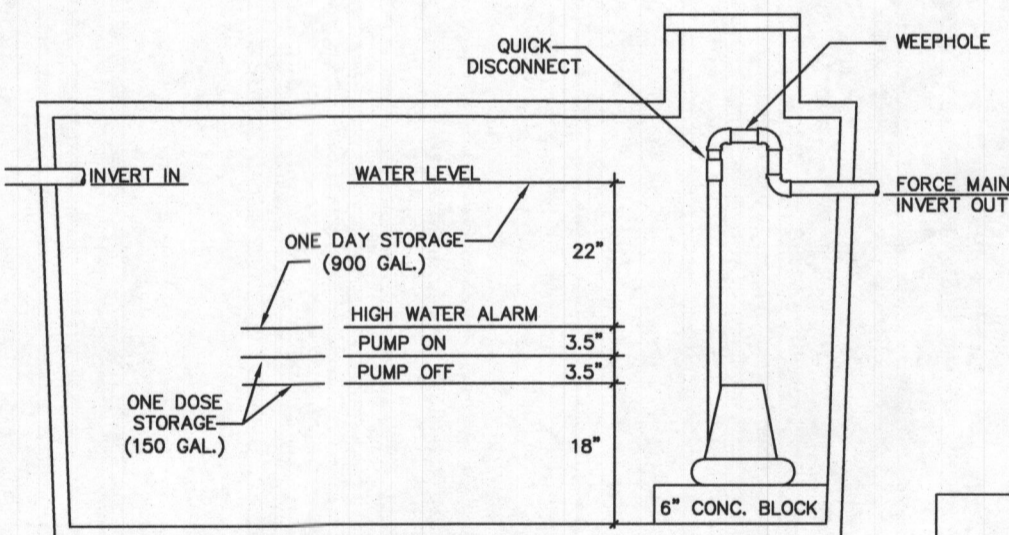
**SEPTIC TRENCH SIZING**

SYSTEM	MAXIMUM FLOWRATE (GPD)	APPLICATION RATE (GPD / SF)	AREA OF REQUIRED TRENCH (SF)	LENGTH OF REQUIRED TRENCH (LF)	SIDEWALL REDUCTION FACTOR	EFFECTIVE DEPTH BEGINS (FT)	TRENCH BOTTOM DEPTH (FT)	ADJUSTED LENGTH OF REQUIRED TRENCH (LF)	REQUIRED TRENCH LENGTH (FT)	NUMBER OF TRENCHES	MINIMUM TRENCH SPACING (FT)
INITIAL	900	1.2	750	3	0.45	3.5	7.0	112.5	56.25	2	10
1ST REPLACEMENT	900	1.2	750	3	0.45	3.5	8.0	112.5	56.25	2	10
2ND REPLACEMENT	900	1.2	750	3	0.45	4.0	7.5	112.5	56.25	2	10

**SEPTIC TRENCH ELEVATIONS**

TRENCH	EX.GROUND ELEVATION	PIPE INVERT EL.	BOTTOM OF TRENCH EL.
PRIMARY 1A	637.73	635.73	630.73
PRIMARY 1B	637.18	635.18	630.18
1ST REPL. 2A	636.80	634.80	628.80
1ST REPL. 2B	636.43	634.43	628.43
2ND REPL. 3A	636.00	634.00	628.50
2ND REPL. 3B	635.75	633.75	628.25

Approved Septic System Plan  
 Howard County Health Department  
 Hank Oswald 8.30.22  
 Signature Date



**PUMP CONTROL ELEVATIONS**  
NOT TO SCALE

**PUMP TANK STORAGE CALCULATIONS**

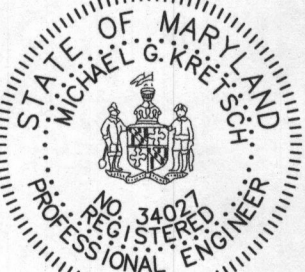
TANK DIMENSIONS:  
 WIDTH: 5.25'  
 LENGTH: 12.75'  
 HEIGHT TO WATER LEVEL: 4.00'

REQUIRED STORAGE ABOVE PUMP OFF: 150 GAL (20 C.F.)  
 PROVIDED STORAGE: 150 GAL (20 C.F.) (5.25)(12.75)(0.3)  
 REQUIRED STORAGE ABOVE HIGH WATER ALARM: 900 GAL (120 C.F.)  
 PROVIDED STORAGE: 912 GAL (122 C.F.) (5.25)(12.75)(1.83)

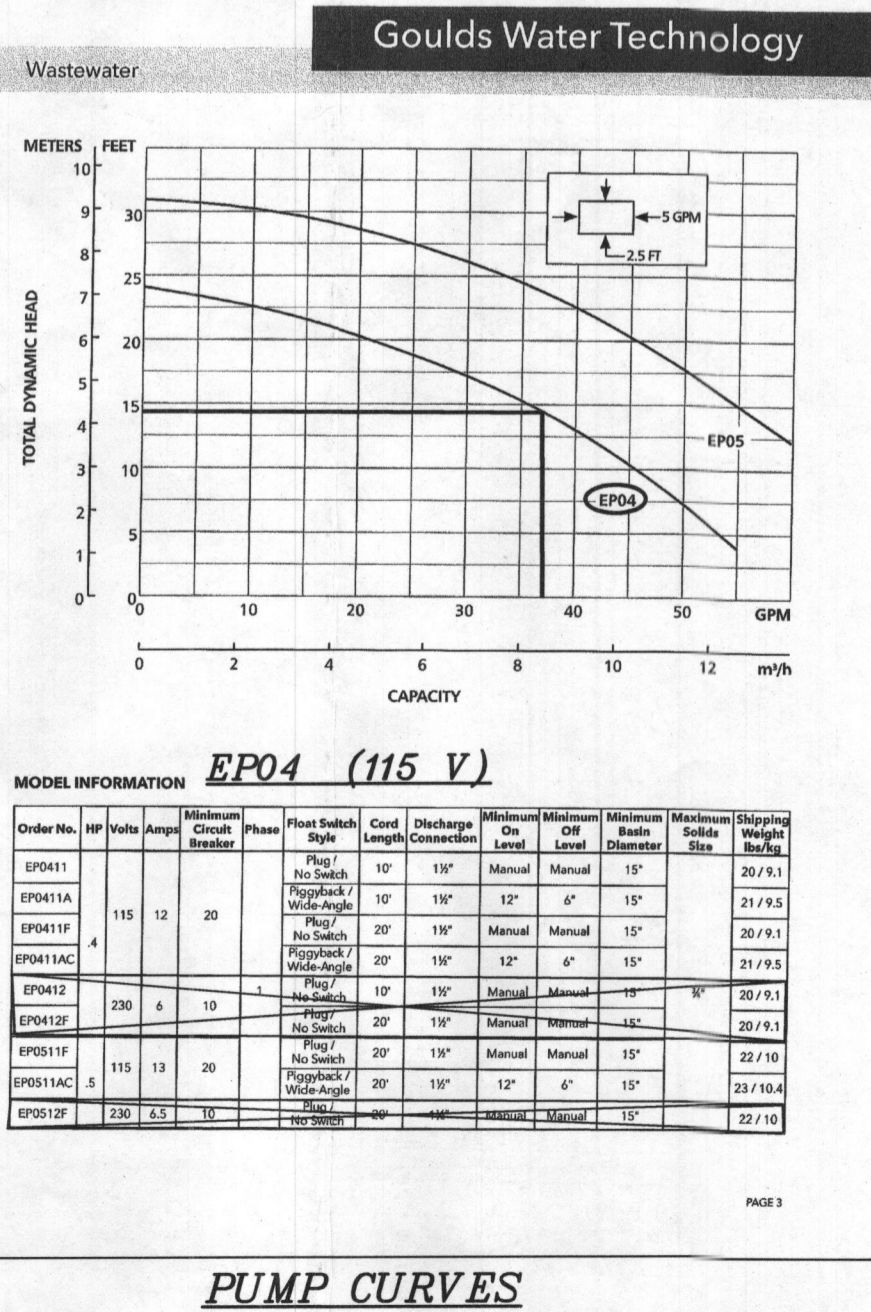
APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS

COUNTY HEALTH OFFICER  
 HOWARD COUNTY HEALTH DEPARTMENT

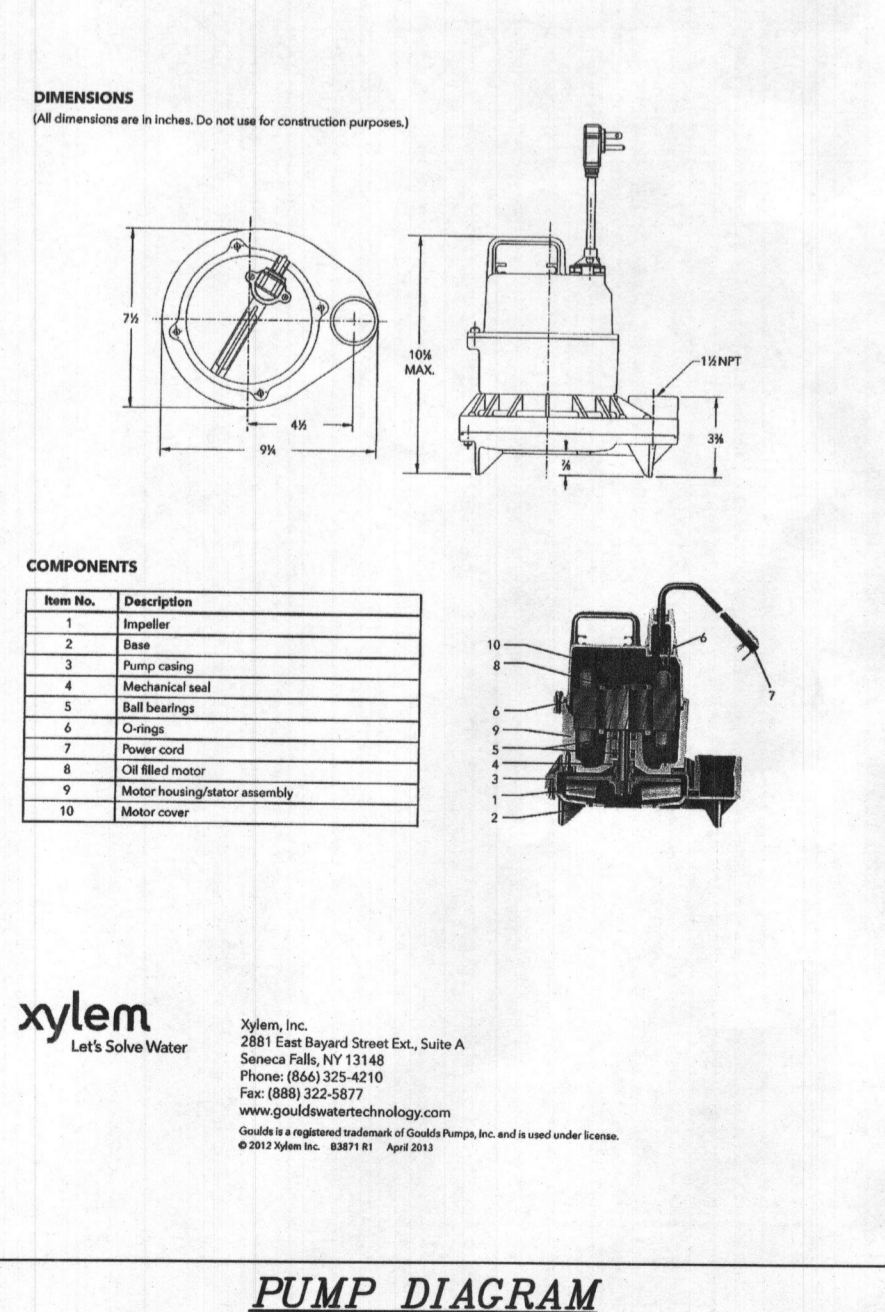
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 34027, EXP DATE 01/16/2023



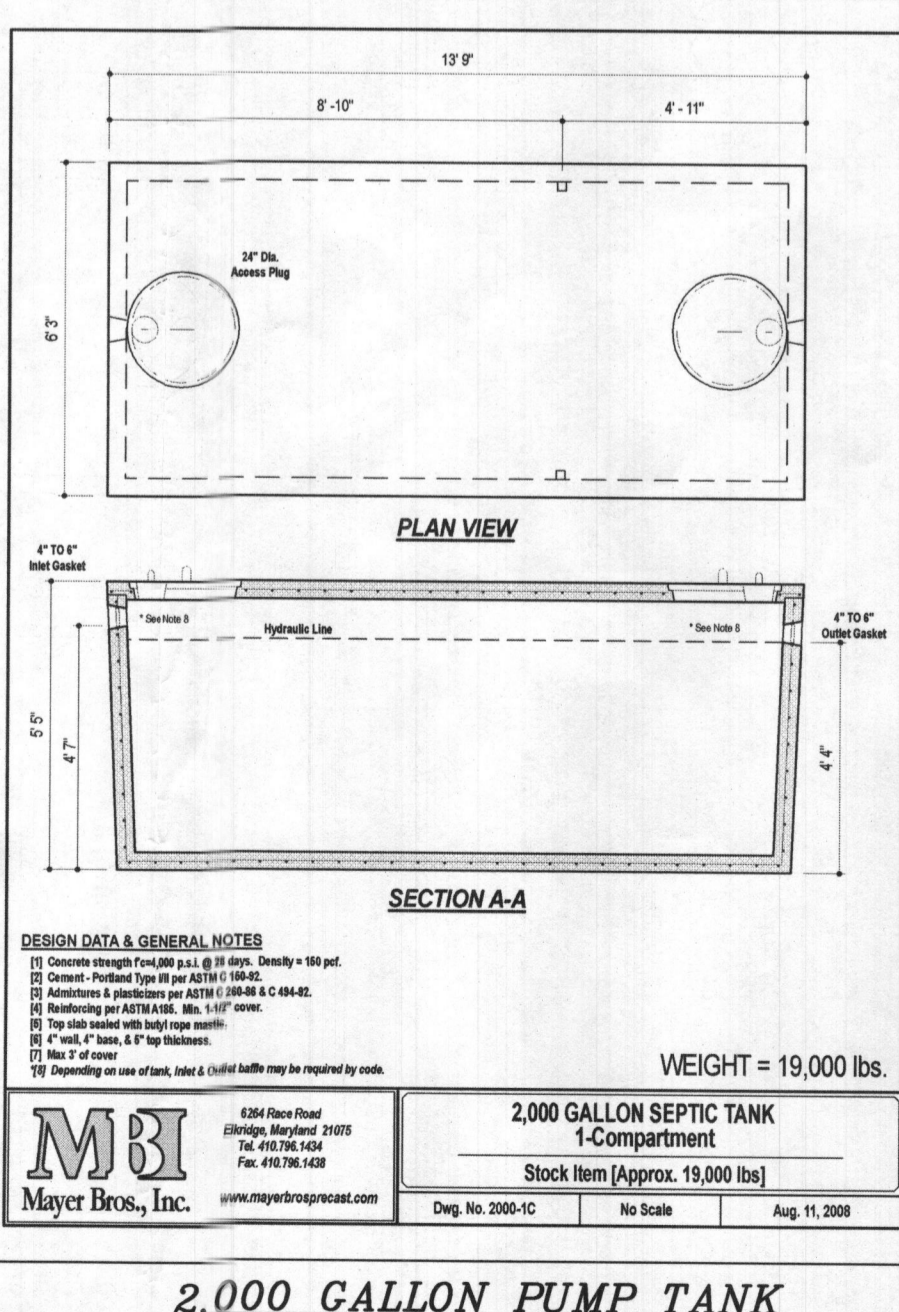
MICHAEL G. KRETSCH, P.E. 08/18/2022 DATE:



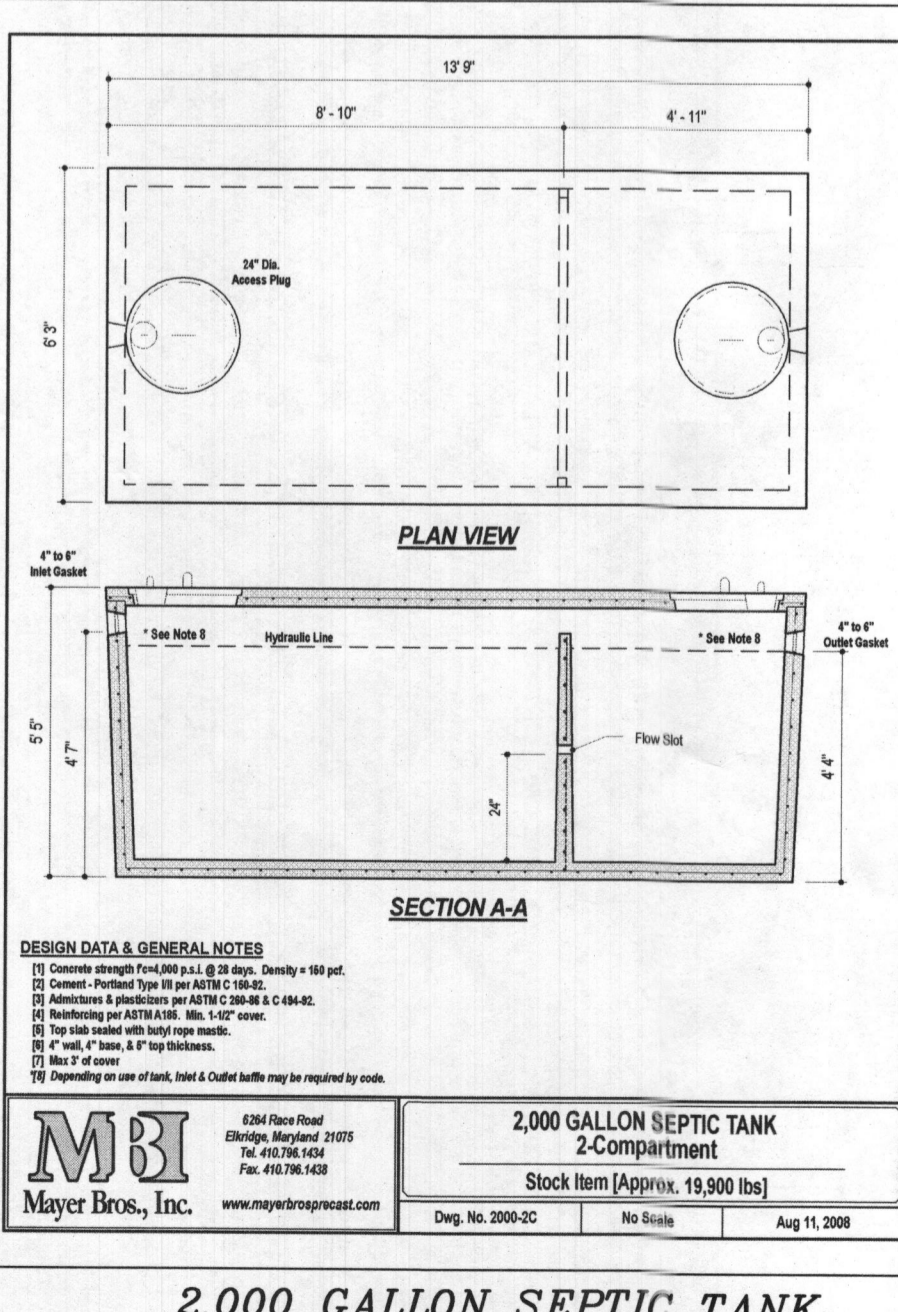
**PUMP CURVES**



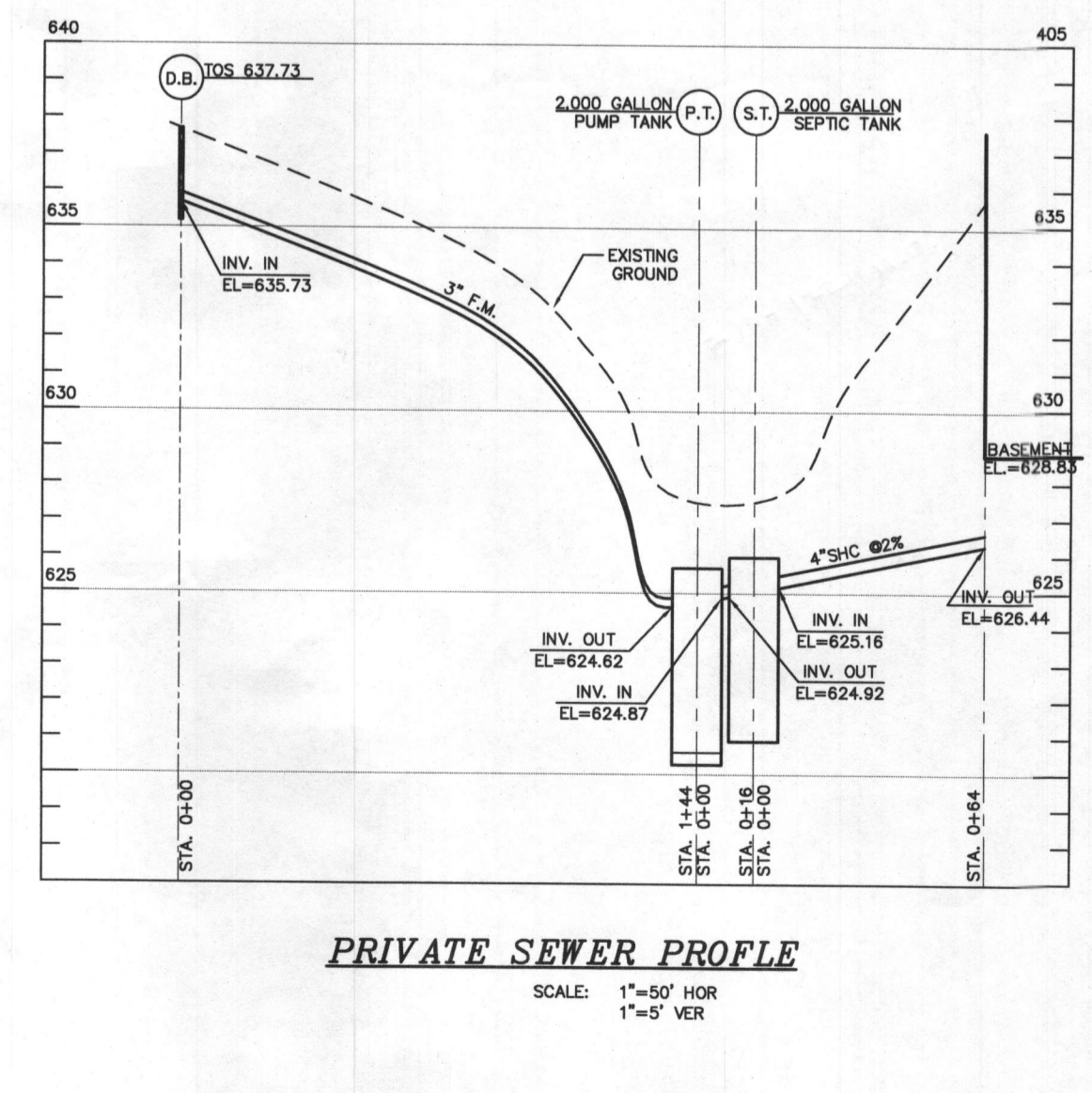
**PUMP DIAGRAM**



**2,000 GALLON PUMP TANK**



**2,000 GALLON SEPTIC TANK**



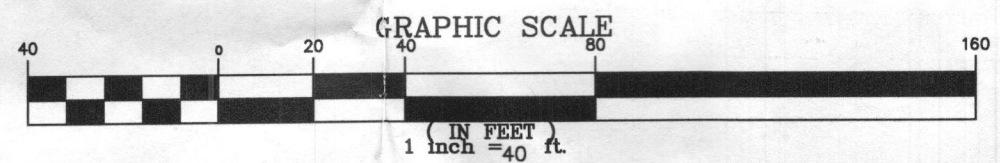
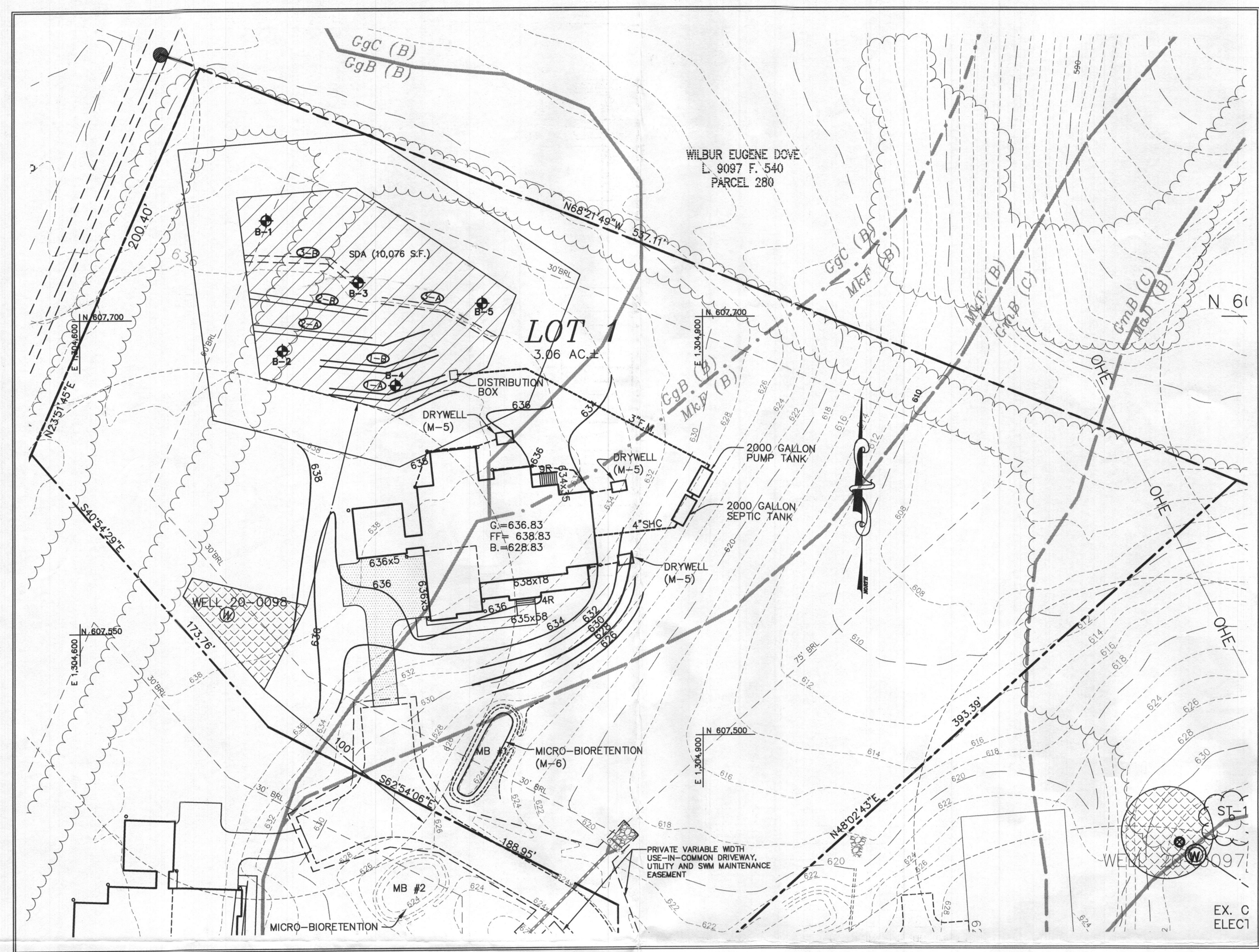
**PRIVATE SEWER PROFILE**  
SCALE: 1"=50' HOR 1"=2' VER

project	date	description	revision
21-026	AUG. 2022	illustration	MM
		approval	MM
		scale	1"=30'
		author	MK

project	date	description	revision

**MCCANN ESTATES - WEST (LOT 1)**  
 14770 MCCANN FARM ROAD, WOODBINE, MARYLAND 21797  
 TAX MAP: B, BLOCK 10, PARCEL 27-B, LOT 1  
 FOURTH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 ON-SITE SEWAGE DISPOSAL SYSTEM

**MILDENBERG, BOENDER & ASSOC., INC.**  
 Engineers Planners Surveyors  
 7350-B Grace Drive, Columbia, Maryland 21044  
 (410) 997-0296 Tel. (410) 997-0298 Fax.



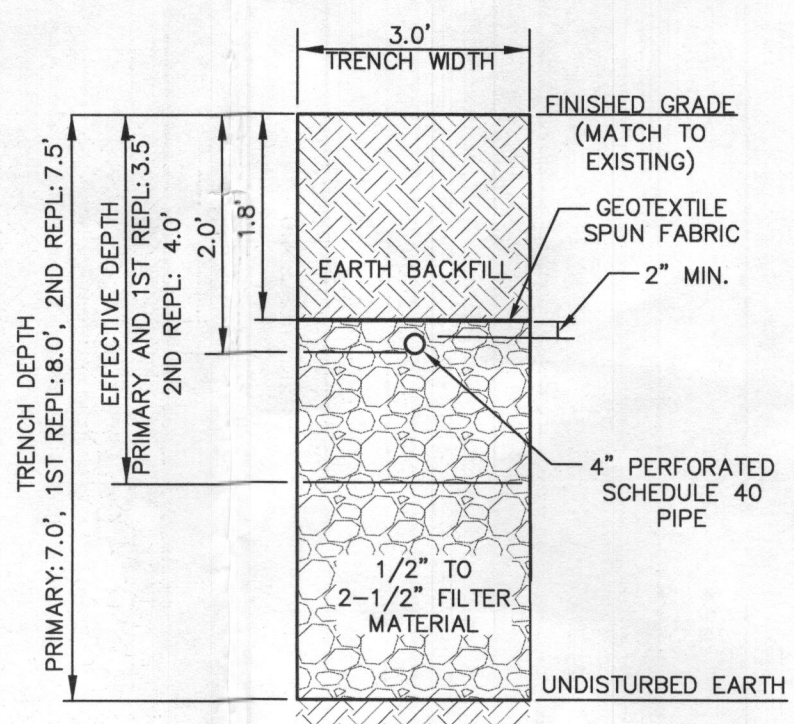
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900 + 1.2 = 750 SQ.FT.  
SQ.FT. REQUIRED + WIDTH OF TRENCH = LENGTH OF TRENCH  
750 + 3.0' = 250 FT  
USE 42" OF GRAVEL BELOW DRAIN PIPE  
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**TRENCH DETAIL**  
NOT TO SCALE

**DYNAMIC HEAD (FRICTION HEAD)**

DYNAMIC HEAD CALCULATION

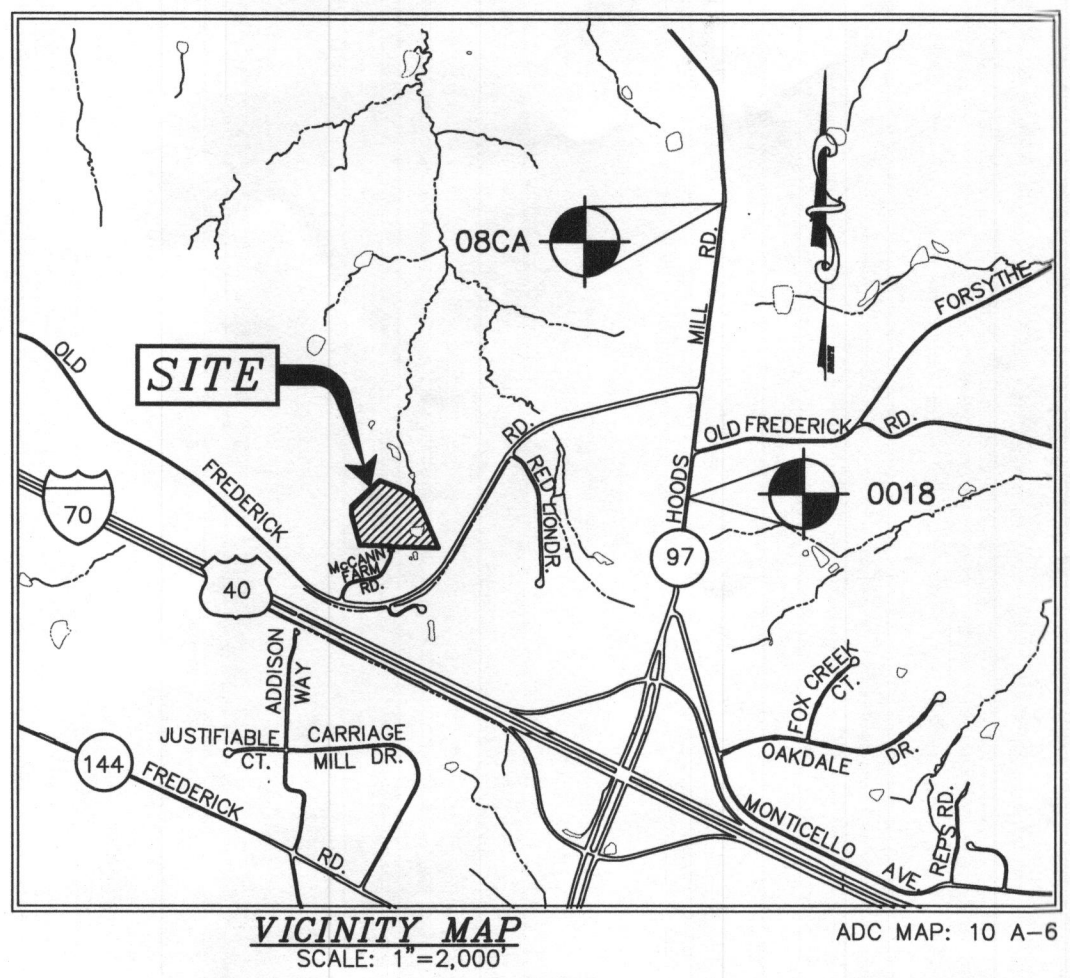
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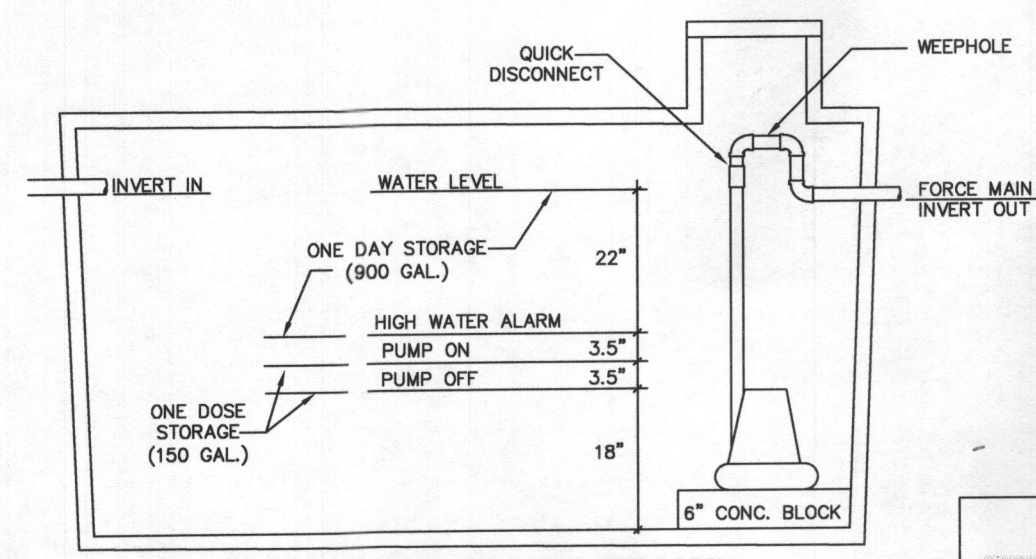
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ZONING: RC-DEO  
AREA: 3.06 ACS  
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**PUMP CONTROL ELEVATIONS**  
NOT TO SCALE

**PUMP TANK STORAGE CALCULATIONS**

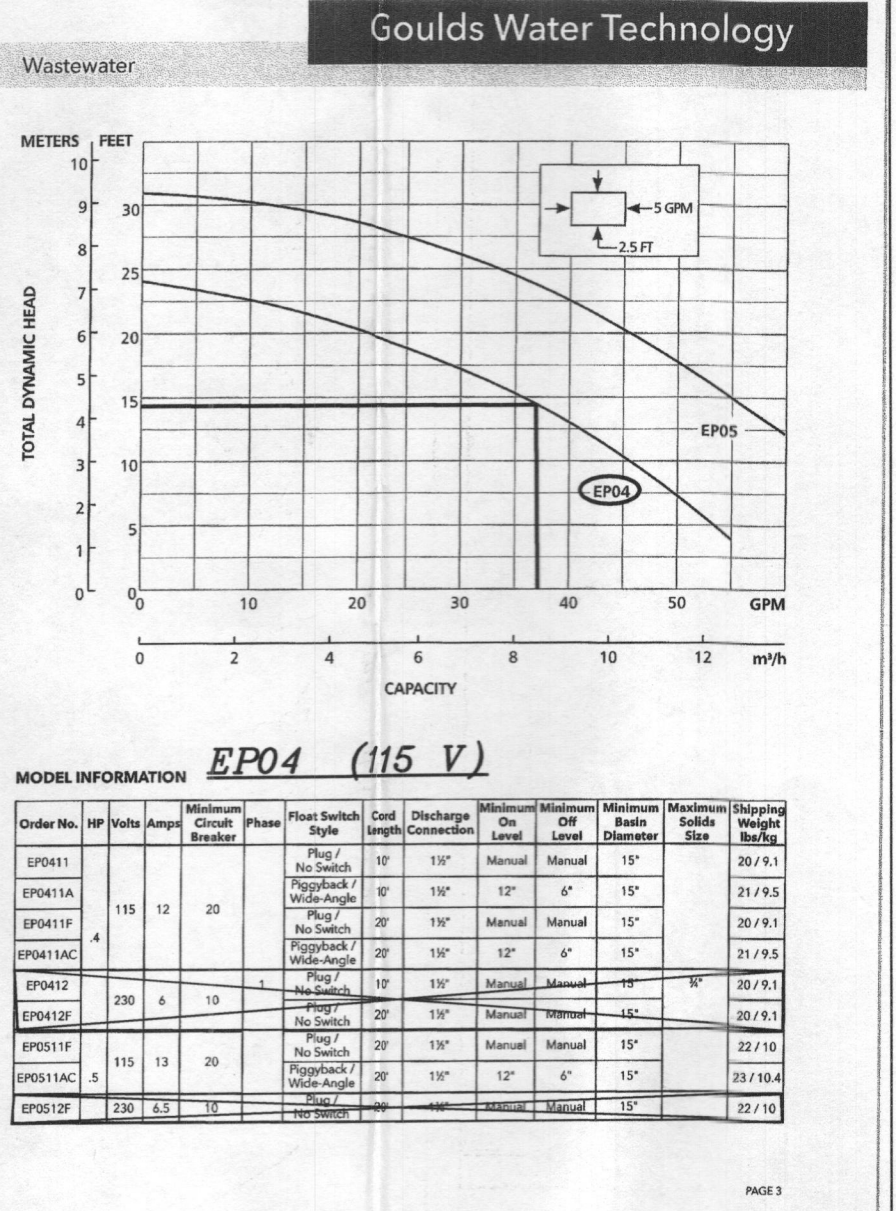
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PROVIDED STORAGE: 150 GAL (20 C.F.) (5.25)(12.75)(0.3)  
REQUIRED STORAGE ABOVE HIGH WATER ALARM: 900 GAL (120 C.F.)  
PROVIDED STORAGE: 912 GAL (122 C.F.) (5.25)(12.75)(1.83)

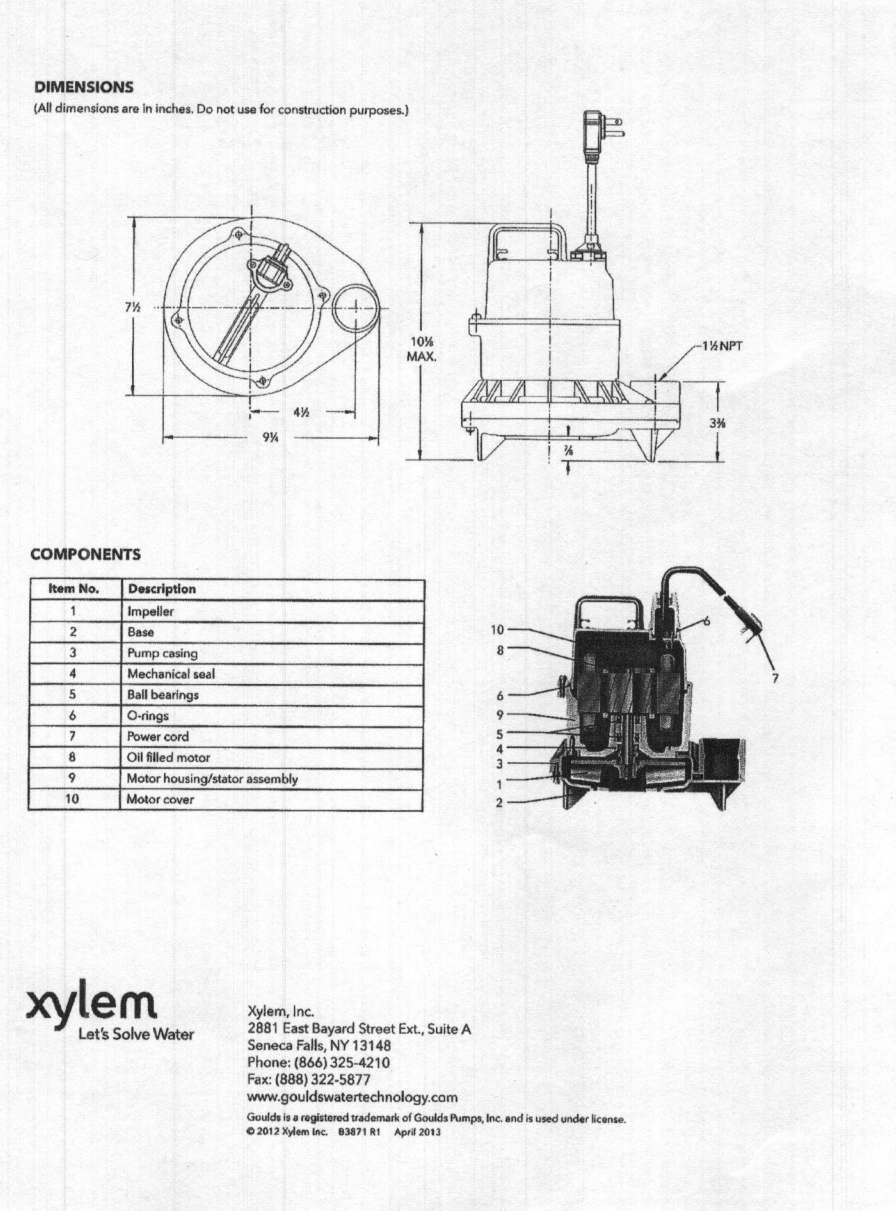
APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS

COUNTY HEALTH OFFICER  
HOWARD COUNTY HEALTH DEPARTMENT

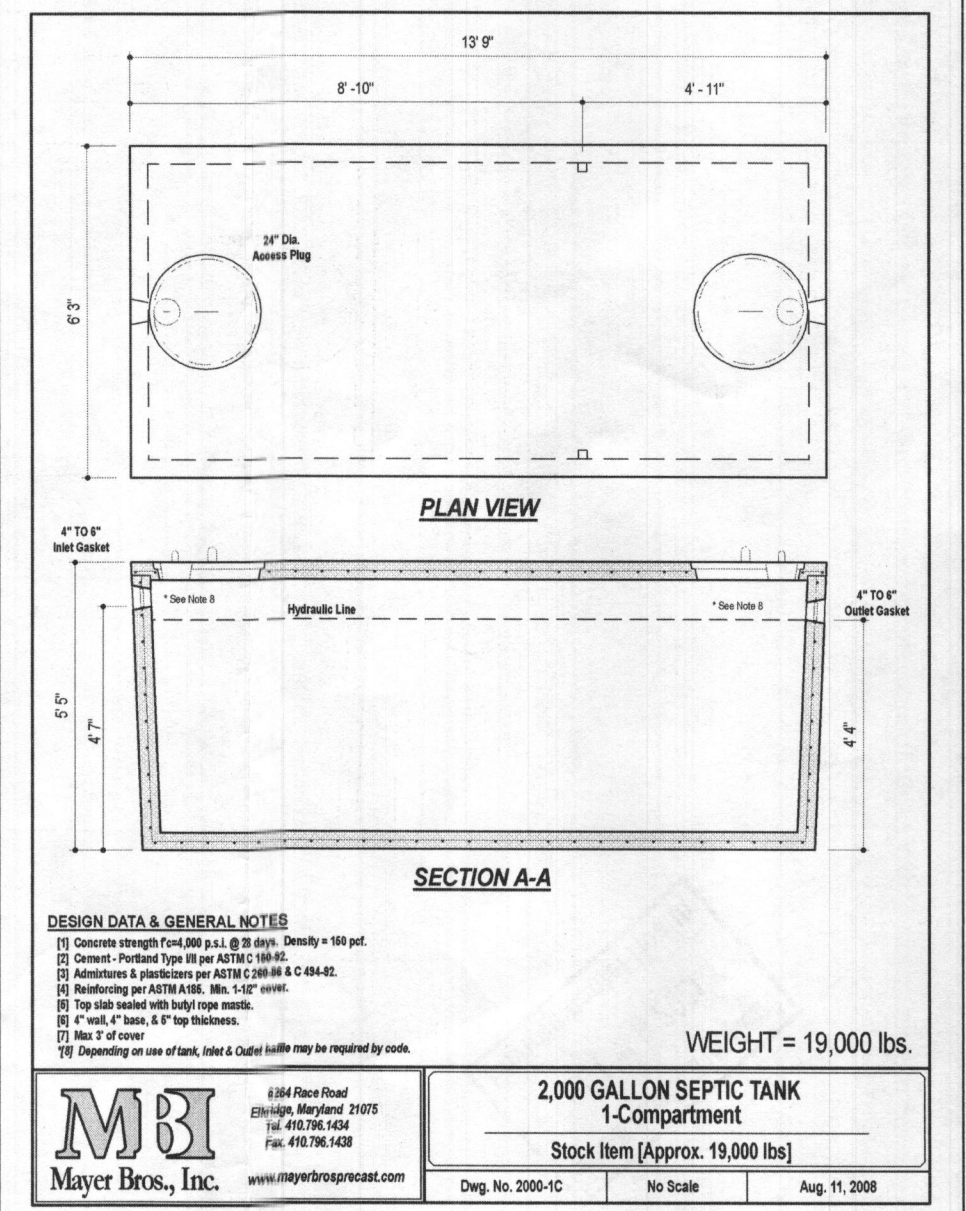
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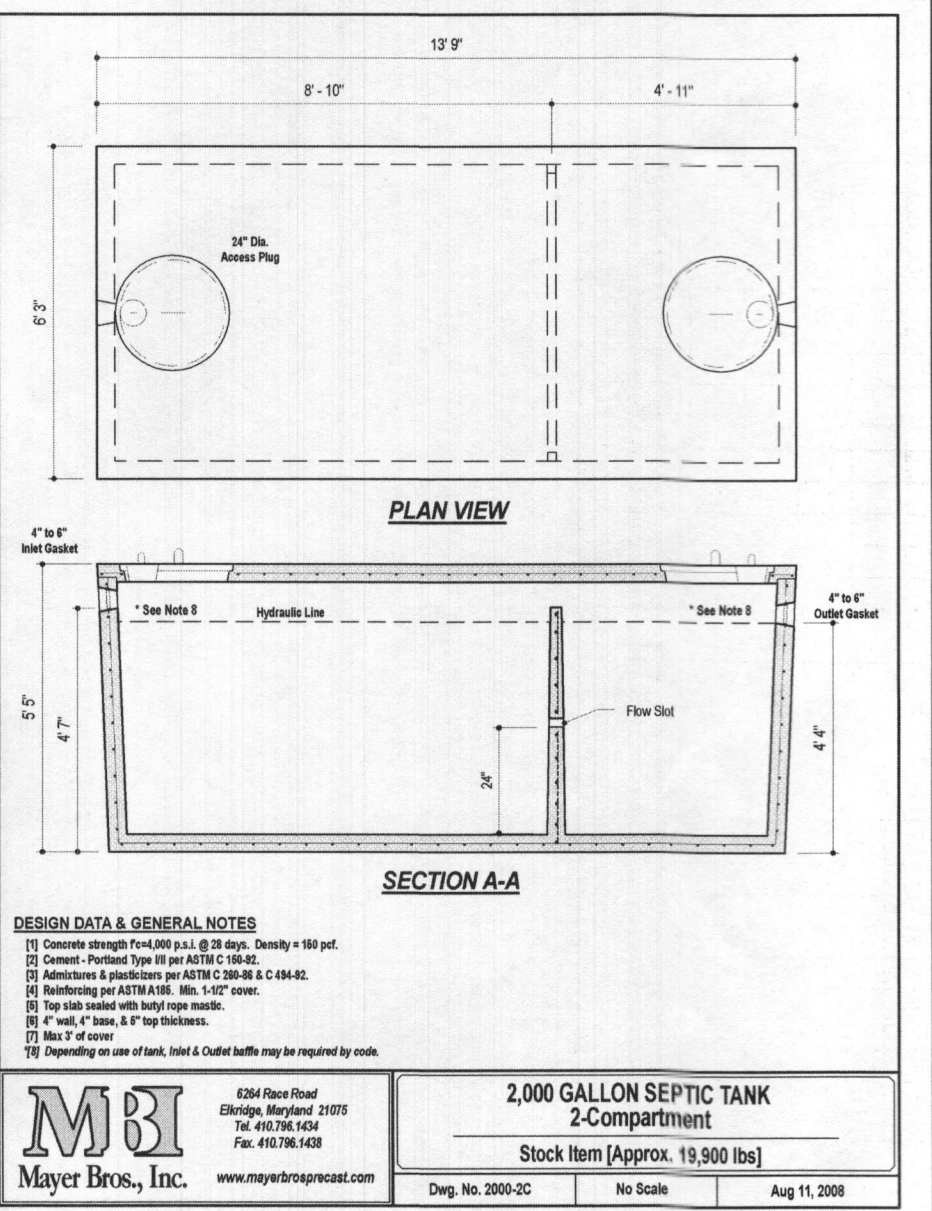
**PUMP CURVES**



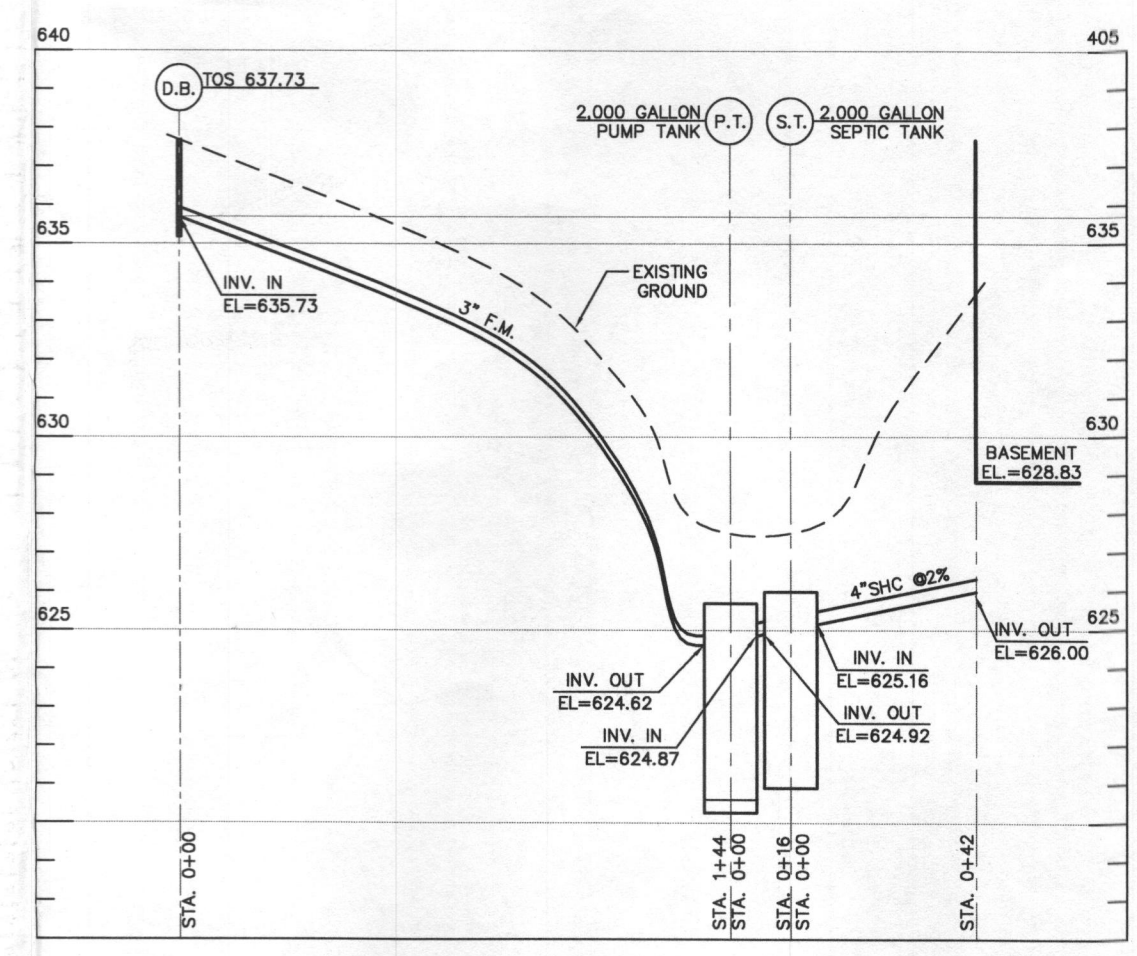
**PUMP DIAGRAM**



**2,000 GALLON PUMP TANK**



**2,000 GALLON SEPTIC TANK**

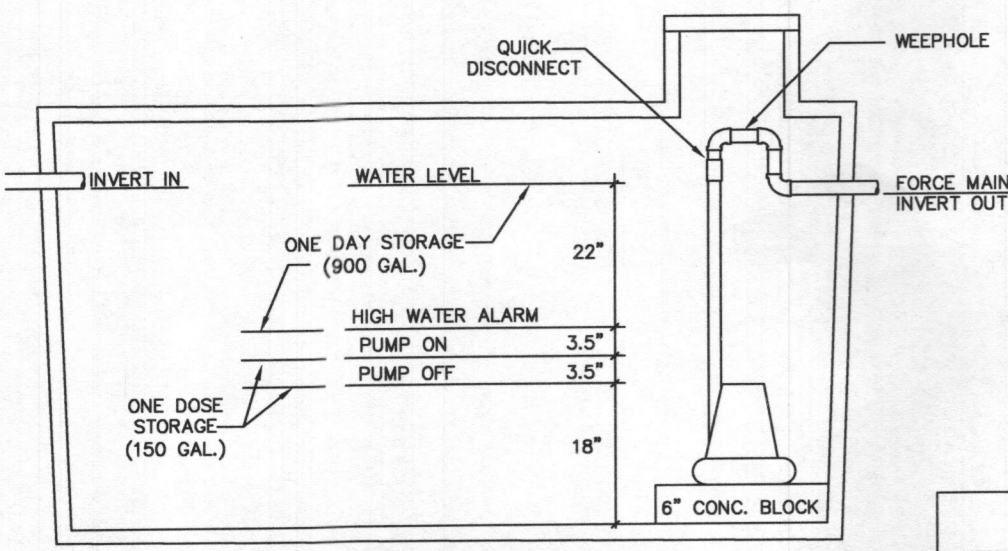
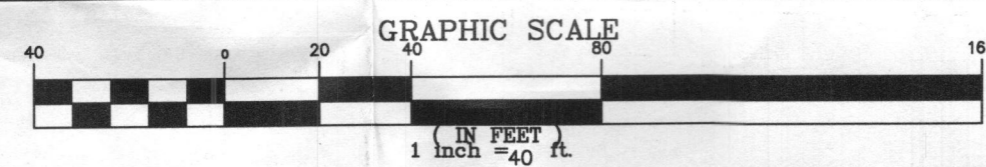
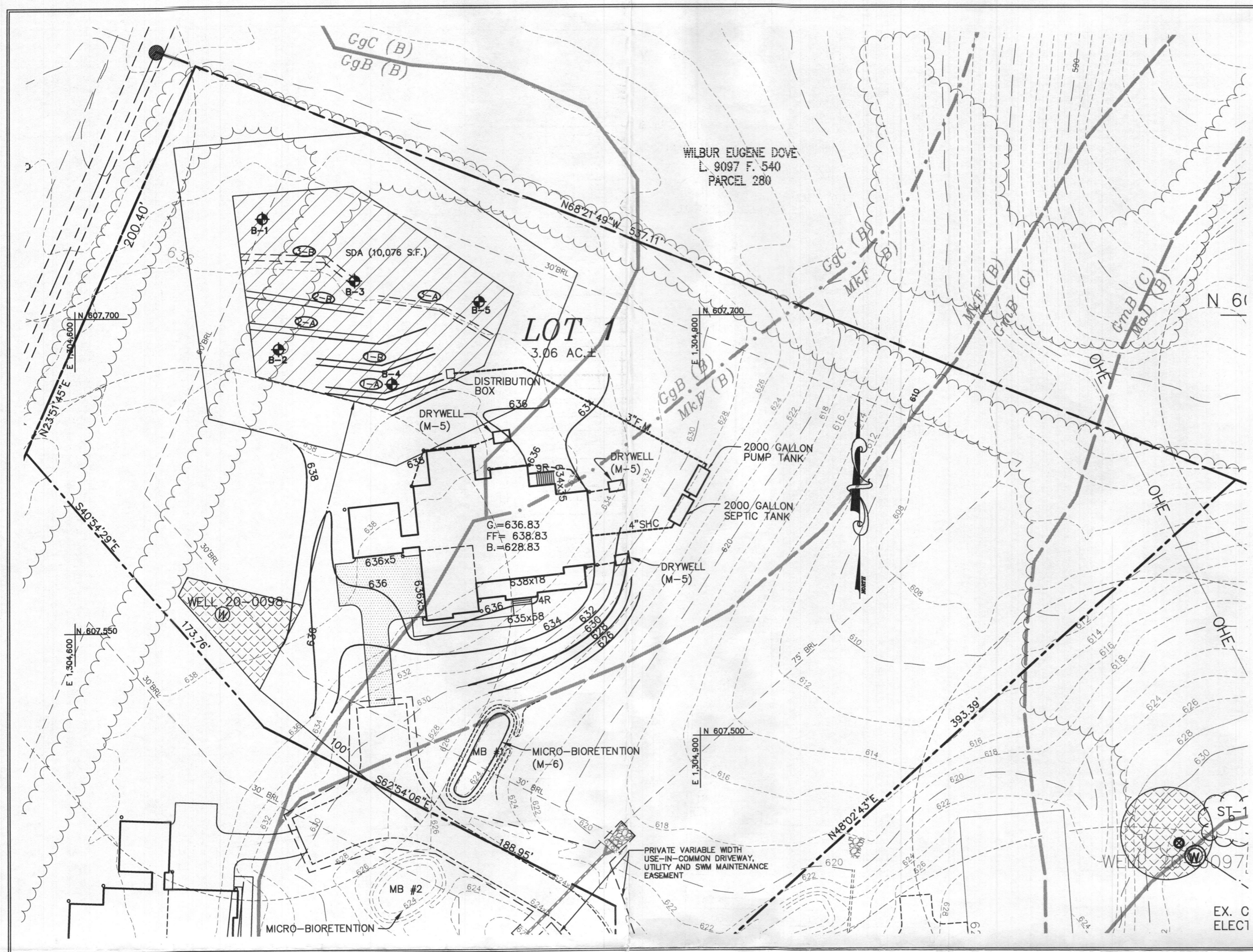


**PRIVATE SEWER PROFILE**

PROJECT	DATE	DESCRIPTION	BY	APP'D
21-026	OCT. 2021	engineering	MM	MM
		illustration	MM	MM
		scale	MM	MM
		revisions	MM	MM

**MCCANN ESTATES - WEST (LOT 1)**  
14770 MCCANN FARM ROAD, WOODBINE, MARYLAND 21797  
TAX MAP: 27-A, PARCEL 27-B, LOT 1  
FOURTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

**MILDENBERG, BOENDER & ASSOC., INC.**  
Engineers Surveyors Planners  
7950-B Grace Drive, Columbia, Maryland 21044  
(410) 997-0286 Tel. (410) 997-0288 Fax.



**PUMP CONTROL ELEVATIONS**  
NOT TO SCALE

**PUMP TANK STORAGE CALCULATIONS**

TANK DIMENSIONS:  
WIDTH: 5.25'  
LENGTH: 12.75'  
HEIGHT TO WATER LEVEL: 4.00'

REQUIRED STORAGE ABOVE PUMP OFF: 150 GAL (20 C.F.)  
PROVIDED STORAGE: 150 GAL (20 C.F.) (5.25)(12.75)(0.3)  
REQUIRED STORAGE ABOVE HIGH WATER ALARM: 900 GAL (120 C.F.)  
PROVIDED STORAGE: 912 GAL (122 C.F.) (5.25)(12.75)(1.83)

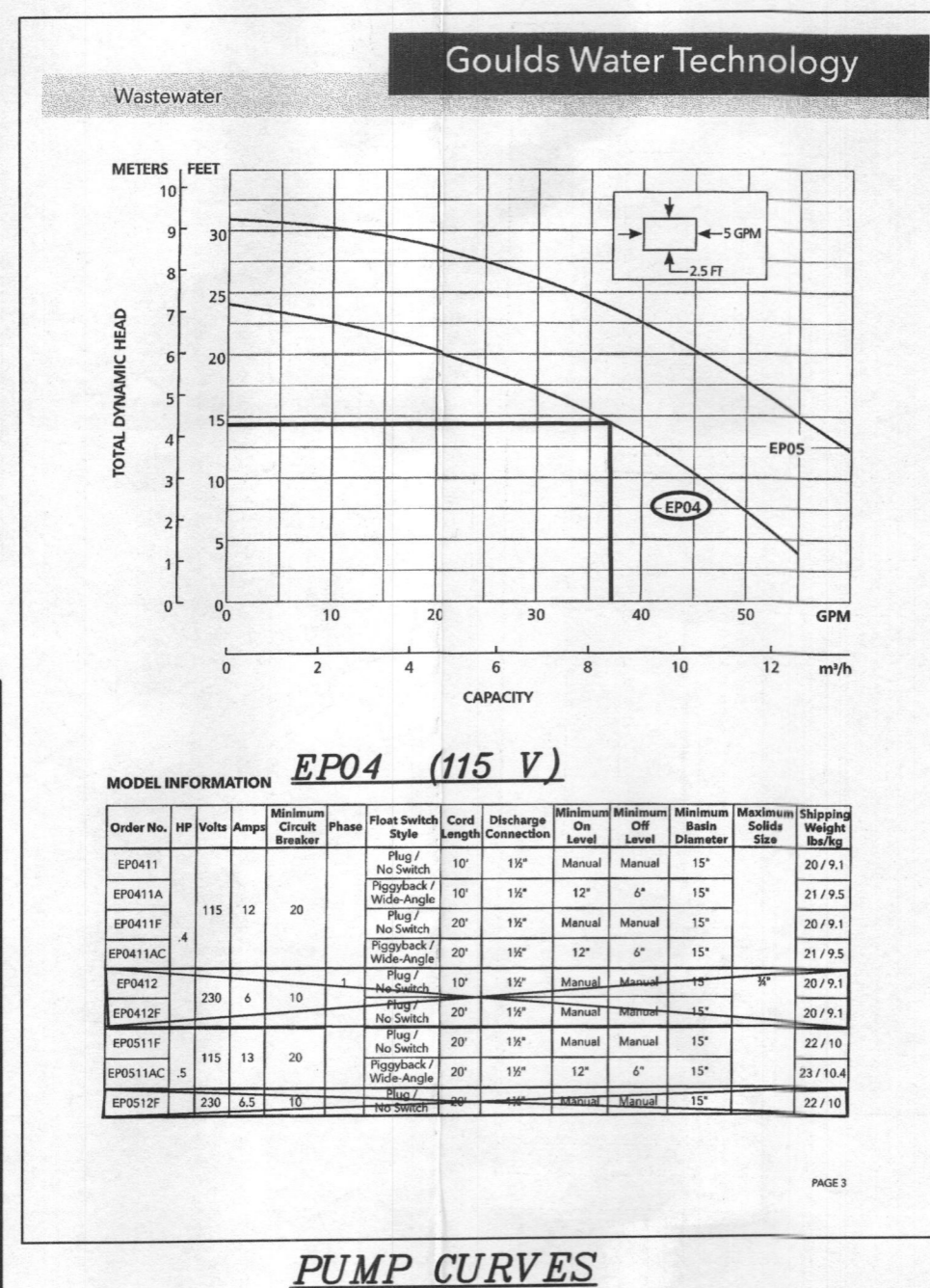
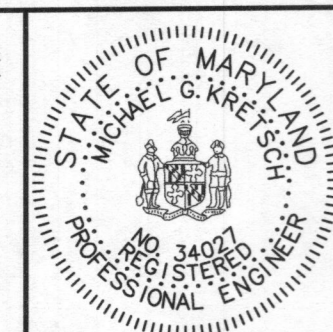
APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS

COUNTY HEALTH OFFICER  
HOWARD COUNTY HEALTH DEPARTMENT

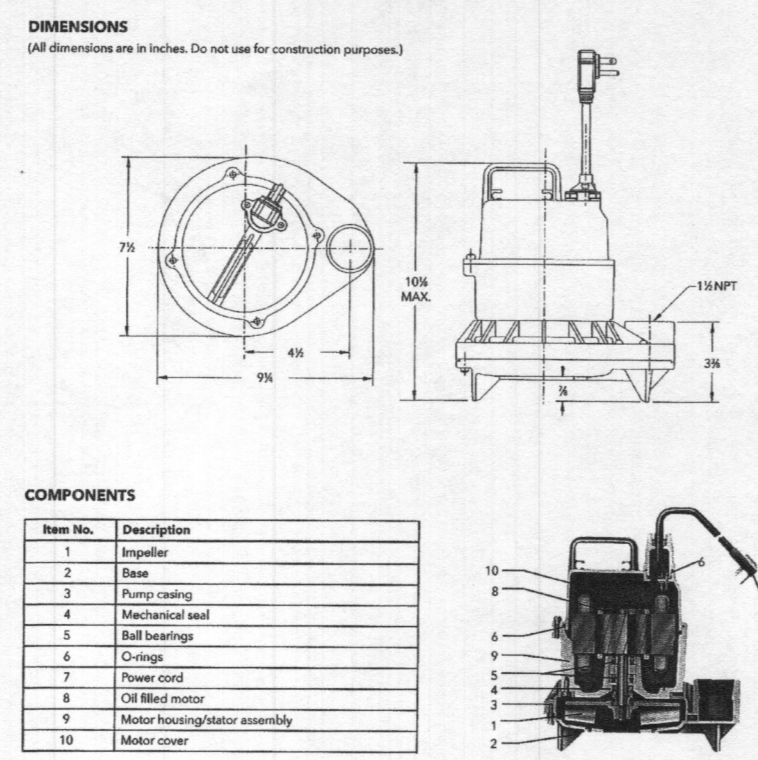
DATE

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. 34027-EXP DATE 01/16/2023

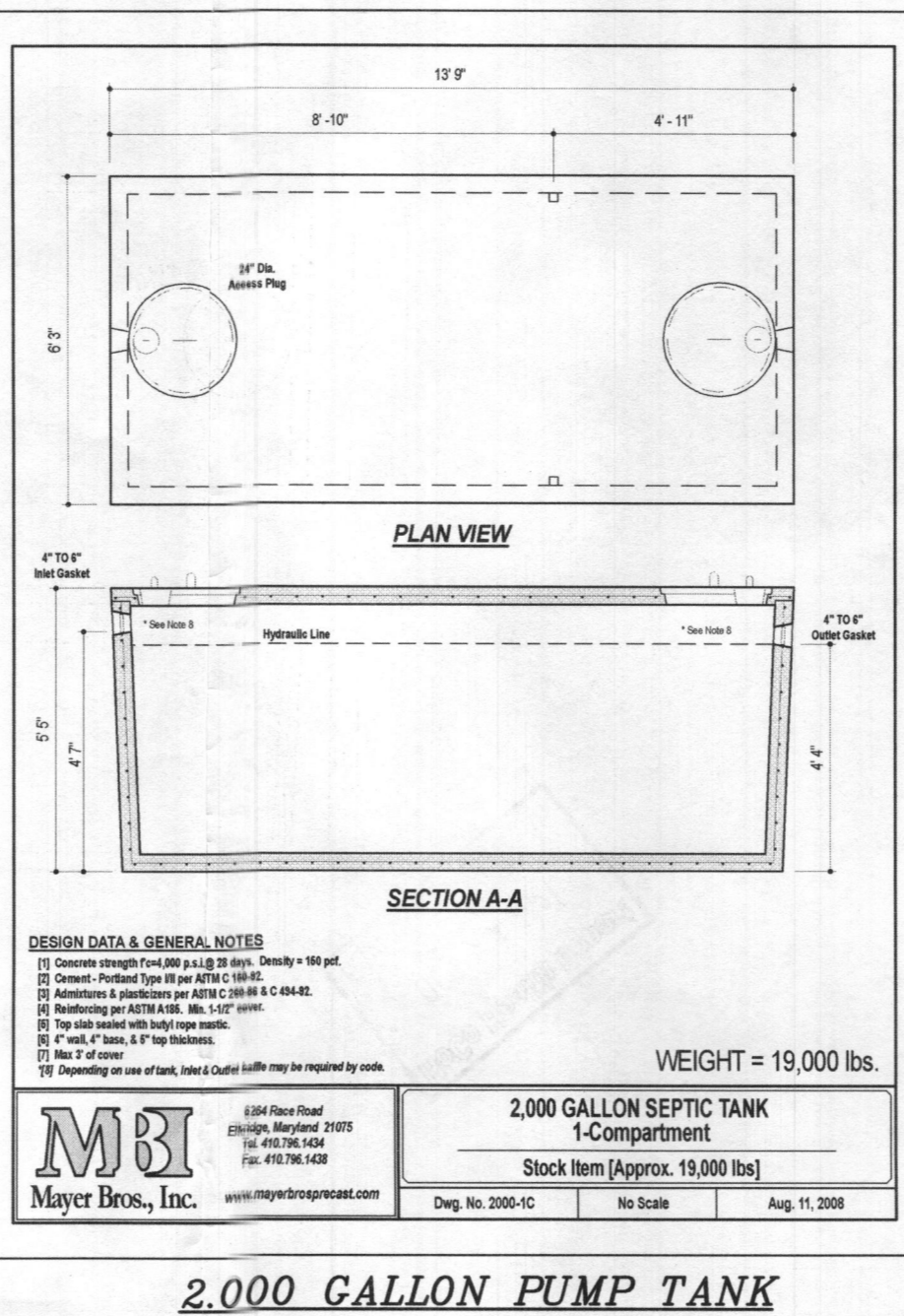
MICHAEL G. KRETSCH, P.E. 10/28/2021 DATE:



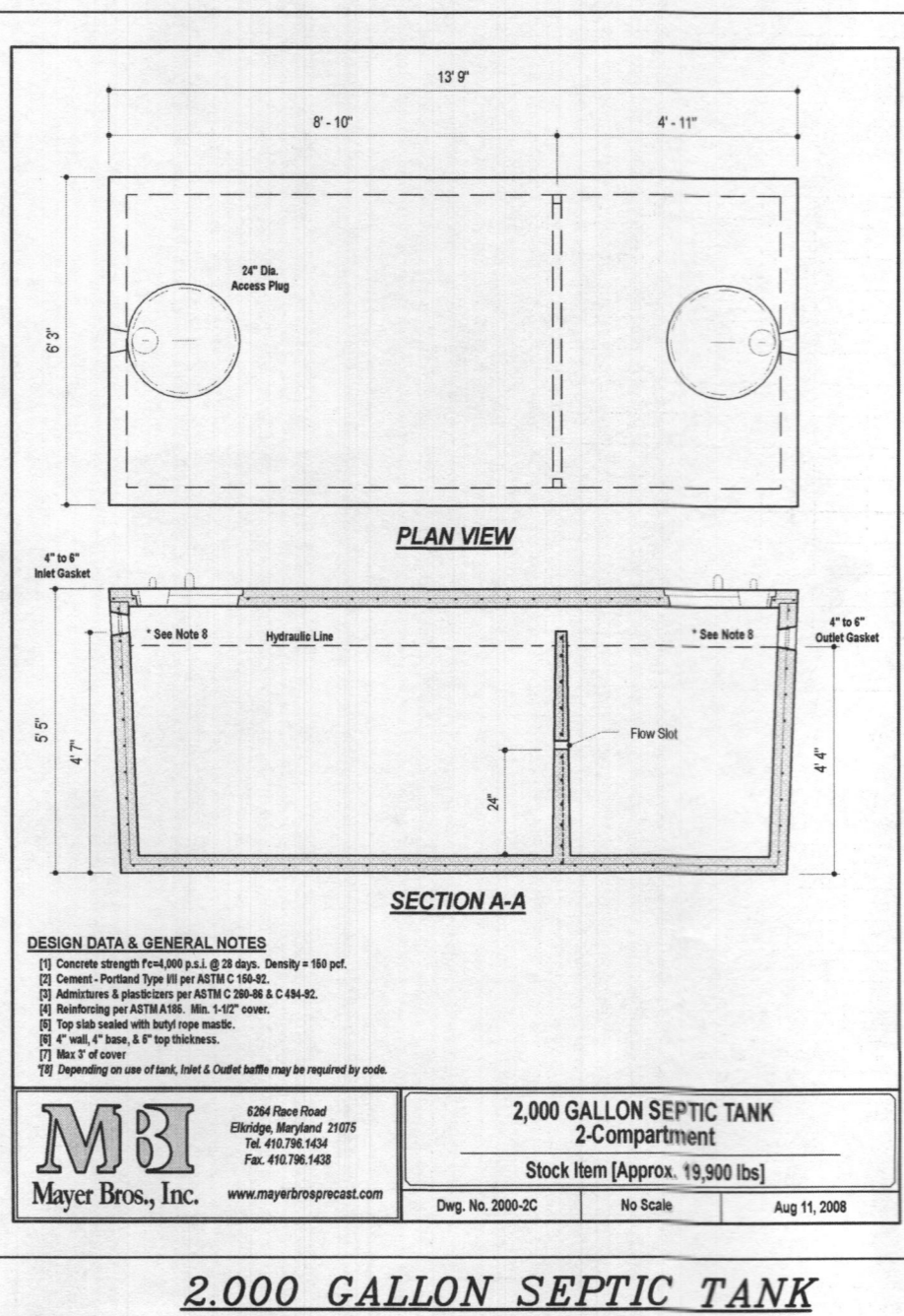
**PUMP CURVES**



**PUMP DIAGRAM**



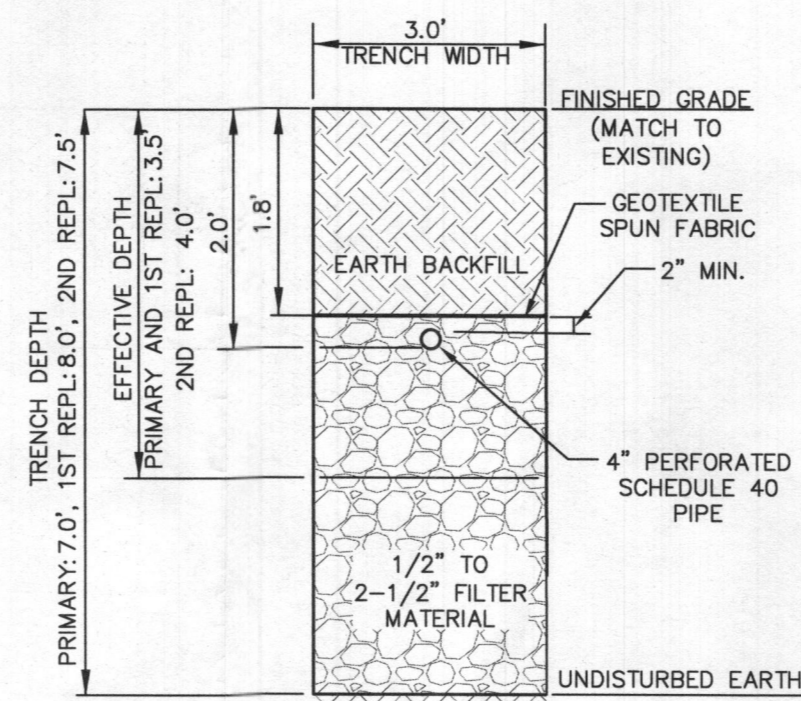
**2,000 GALLON PUMP TANK**



**2,000 GALLON SEPTIC TANK**

**SOILS TABLE**

SYMBOL	RATING	NAME	K FACTOR
GgB	(B)	GLENELG LOAM, 3-8% SLOPES.	.20
GgC	(B)	GLENELG LOAM, 8-15% SLOPES.	.20
GmB	(C)	GLENVILLE SILT LOAM, 3-8% SLOPES	.37
MfF	(B)	MANOR-BRINKLOW COMPLEX, 25-65% SLOPES	.24



**TRENCH DETAIL**  
NOT TO SCALE

**DYNAMIC HEAD (FRICTION HEAD)**

DYNAMIC HEAD CALCULATION

3" FORCEMAIN LENGTH	135 LF
4 90° x10FT	40 LF
1 45° x 6FT	6 LF
1 CPL/RED x 3FT	3 LF
TOTAL LENGTH	184 LF
37 GPM x0.34 FT/100 LF	184 LF = 0.63 FT

**ON-SITE SEWAGE DISPOSAL SYSTEM:**

RESIDENTIAL SYSTEM DESIGN:  
6 BEDROOM HOUSE  
150 GALLONS X # OF BEDROOMS = VOLUME OF WASTEWATER /DAY  
150 X 6 = 900 GPD

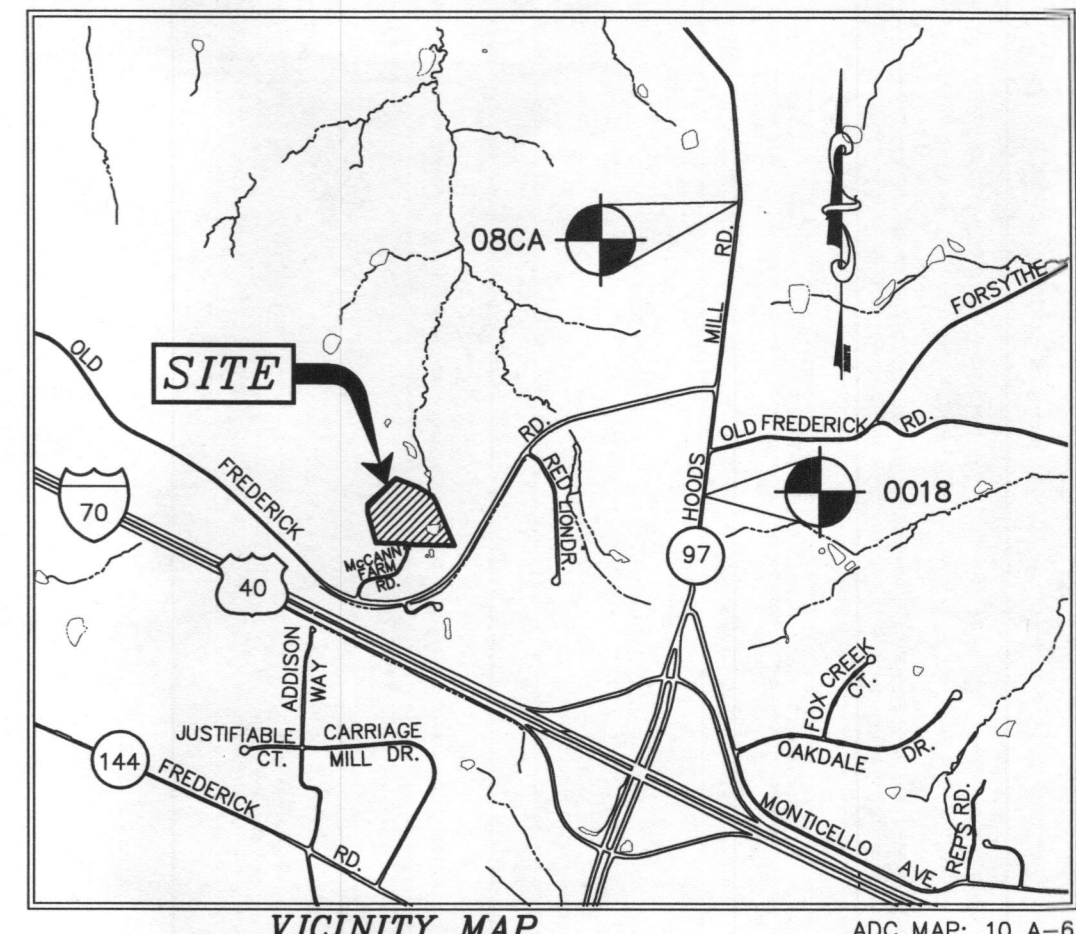
PRIMARY SYSTEM AND REPLACEMENT SYSTEM  
PERC RATE = 2-5 MINUTES/INCH  
APPLICATION RATE = 1.2 GPD/SQ.FT.  
DESIGN FLOW + APPLICATION RATE = SQ.FT. OF TRENCH REQUIRED  
900 + 1.2 = 750 SQ.FT.  
SQ.FT. REQUIRED + WIDTH OF TRENCH = LENGTH OF TRENCH  
750 + 3.0' = 250 FT  
USE 42" OF GRAVEL BELOW DRAIN PIPE  
250 X 0.45 = 112.5 FT  
USE TWO (2) TRENCHES 57.0' (REQUIRED: 56.25')  
A MINIMUM OF 10' BETWEEN TRENCHES UTILIZING SIDEWALL REDUCTION CREDIT.

**SEWER SYSTEM CHART**

DESCRIPTION	VALUE
BASEMENT ELEVATION	628.83
INVERT OUT OF THE HOUSE	626.00
FINISHED GRADE AT SEPTIC TANK	628.00
TOP OF SEPTIC TANK	625.99
INVERT INTO SEPTIC TANK	625.16
INVERT OUT OF SEPTIC TANK	624.91
FINISHED GRADE AT PUMP TANK	628.00
TOP OF PUMP TANK	625.70
INVERT INTO PUMP TANK	624.87
INVERT OUT OF PUMP TANK	624.62
INVERT IN TO DISTRIBUTION BOX	635.73
PUMP TANK FLOOR	620.61
PUMP OFF	622.11
PUMP ON	622.40
HIGH WATER ALARM	622.69
WATER LEVEL	624.52
STATIC HEAD	13.62
TOTAL DYNAMIC HEAD	14.25
DOSED RATE (GALLONS)	150
PUMP RUNTIME (MINUTES)	4.05

**SEPTIC TRENCH ELEVATIONS**

TRENCH	EX-GROUND ELEVATION	PIPE INVERT EL.	BOTTOM OF TRENCH EL.
PRIMARY 1A	637.73	635.73	630.73
PRIMARY 1B	637.18	635.18	630.18
1ST REPL. 2A	636.80	634.80	628.80
1ST REPL. 3A	636.43	634.43	628.43
2ND REPL. 2B	636.00	634.00	628.50
2ND REPL. 3B	635.75	633.75	628.25

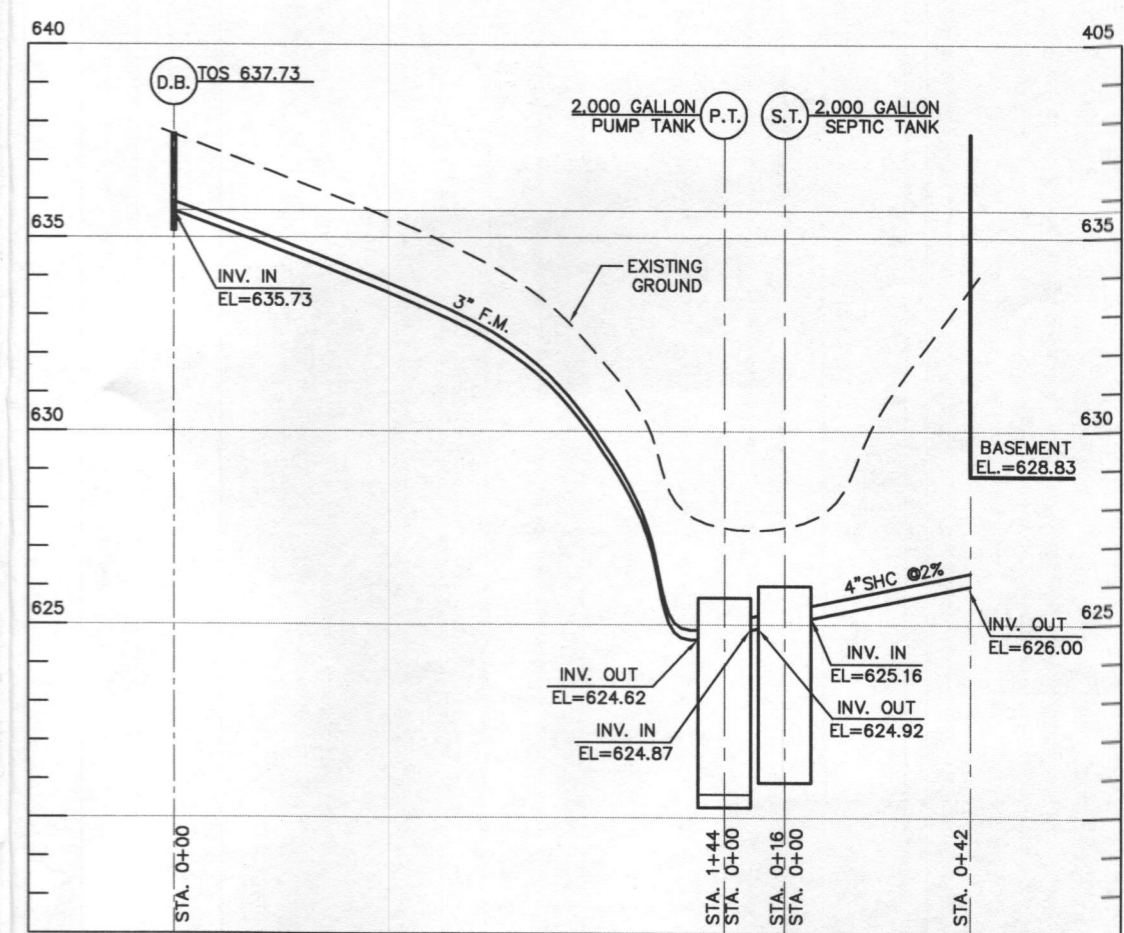


**GENERAL NOTES:**

- THE SUBJECT PROPERTY IS ZONED RC-DEO PER THE OCTOBER 6, 2013 COMPREHENSIVE ZONING PLAN.
- PARCEL BACKGROUND:  
TAX MAP: 8  
PARCEL: 27-A LOT: 3  
ELECTION DISTRICT: FOURTH  
ZONING: RC-DEO  
AREA: 3.08 AC±  
DPZ FILES: ECP-18-045, F-20-048, WP-20-006, WP-20-101  
ADDRESS: 14740 MCCANN FARM DR., WOODBINE, MD 21797
- 2' TOPOGRAPHY FOR THE DEVELOPED AREAS IS BASED ON FIELD RUN SURVEY PERFORMED BY MILDENBERG, BOENDER & ASSOC., INC. ON OR ABOUT DECEMBER 2014.
- PRIVATE WELL AND SEPTIC WILL BE UTILIZED.
- THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL IMPROVEMENTS OF ANY NATURE. IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED EASEMENT SHALL NOT BE NECESSARY.
- ANY CHANGES TO THE LOCATION OR DEPTHS TO ANY COMPONENTS MUST BE APPROVED BY THE ENGINEER AND THE HOWARD COUNTY HEALTH DEPARTMENT PRIOR TO INSTALLATION. A REVISED 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 WELL TAG # HO-20-0098 HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.
- ANY WELLS OR SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELL AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.

Approved Septic System Plan  
Howard County Health Department

Henry Oswald 11/2/21  
Signature Date



**PRIVATE SEWER PROFILE**

date	description	revisions
OCT. 2021 <td>engineering <td>MM</td> </td>	engineering <td>MM</td>	MM
21-026 <td>illustration <td>MM</td> </td>	illustration <td>MM</td>	MM
<td>approval <td>MM</td> </td>	approval <td>MM</td>	MM
<td>scale <td>1"=30'</td> </td>	scale <td>1"=30'</td>	1"=30'
<td>date <td></td> </td>	date <td></td>	

**MCCANN ESTATES - WEST (LOT 1)**  
14770 McCANN FARM ROAD, WOODBINE, MARYLAND 21797  
TAX MAP: 8, BLOCK: 10, PARCEL 27-B, LOT 1  
FOURTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
ON-SITE SEWAGE DISPOSAL SYSTEM

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