

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: 7/2/21 **ONSITE SEWAGE DISPOSAL SYSTEM**

P 569587

APPROVAL DATE: 7/29/21 **PERMIT: CONSTRUCTION**

A _____

PROPERTY ADDRESS: 1825 DAVIS BRANCH ROAD, WOODSTOCK, MD 21163

SUBDIVISION: MYRTUE PROPERTY LOT: 8 TAX ID: 03-352404

CONTRACTOR: _____ EMAIL: _____

CONTRACTOR ADDRESS: _____ PHONE: _____

PROPERTY OWNER: SONSHINE MD LP EMAIL: _____

OWNER ADDRESS: 227 GRANITE RUN ROAD, LANCASTER, PA 17601 PHONE: _____

SEPTIC TANK SIZE (GALLONS): 2000 TANK MANUFACTURER: MAYER BROS., INC.

PUMP MODEL: n.a. PUMP SIZE n.a. PUMP TANK CAPACITY: n.a.

DISTRIBUTION SYSTEM: GRAVITY PRESSURE DOSED BEDROOMS: 5 APPLICATION RATE: 1.2

TRENCHES:	LINEAR FEET REQUIRED: <u>104</u>	INLET DEPTH: <u>2.0</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>8.0</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>5.0</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 CLEANOUTS IN SHC.	

ISSUED BY: R BRICKER ISSUE DATE: 7/2/21 EXPIRATION DATE: 7/2/22

- 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

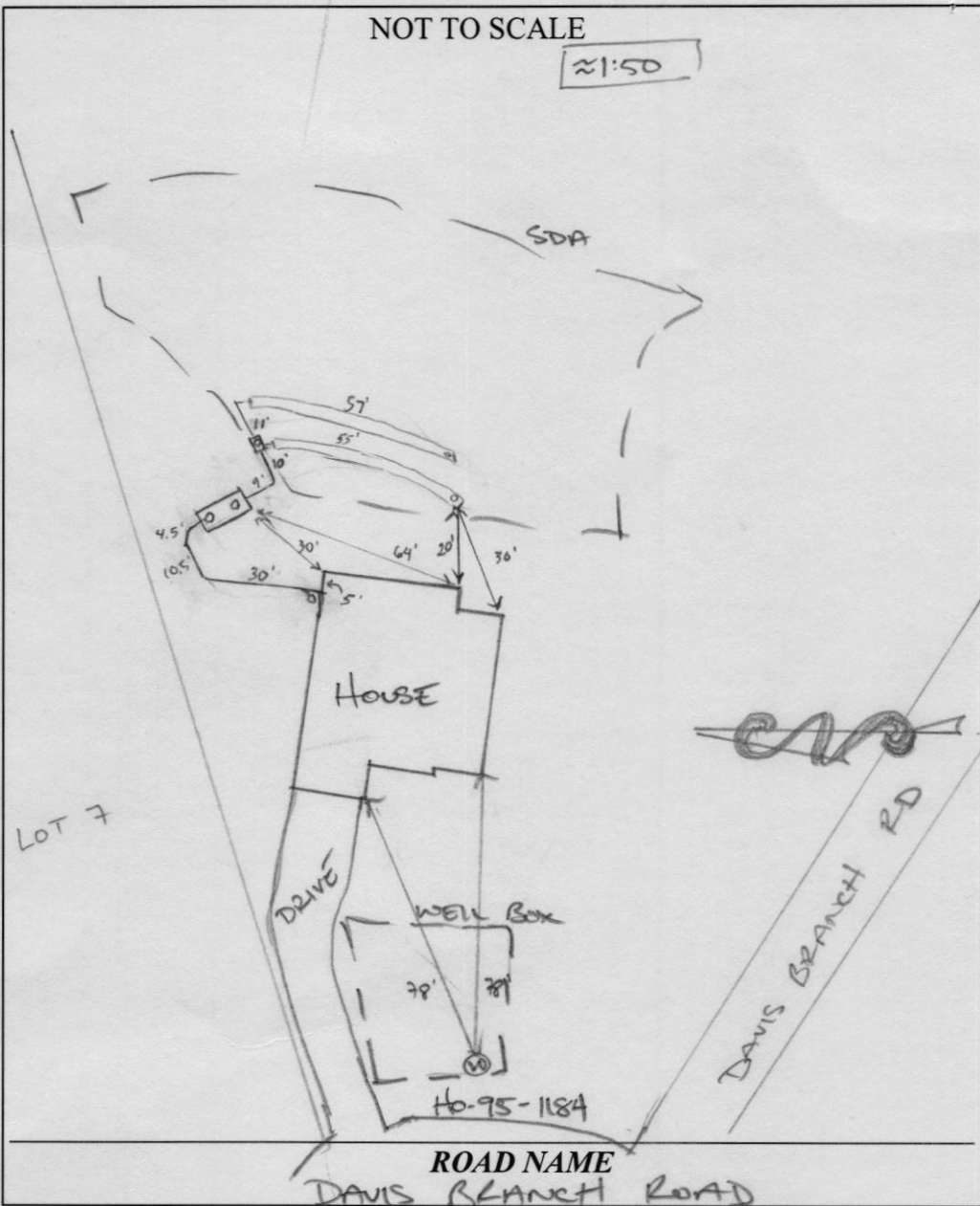
NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.

PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.

CALL 410-313-1771 TO SCHEDULE INSPECTIONS.

NOT TO SCALE

≈ 1:50



TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3'	2'	8"

NUMBER OF TRENCHES 2

TOTAL LENGTH 112'

ABSORPTION AREA 336 sq ft + sidewalk

DISTRIBUTION BOX LEVEL yes

DISTRIBUTION BOX BAFFLE yes

DISTRIBUTION BOX PORT yes

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL _____

MANUFACTURER Babylon

CAPACITY 2000 GAL

SEAM LOC top

TANK LID DEPTH 2' inlet, 1' outlet

BAFFLES inlet + outlet

BAFFLE FILTER -

MANHOLE LOC inlet + outlet

6" PORT LOC -

WATERTIGHT TEST -

SLOTTED yes

DATE ON LID 5-25-21

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:

07/27/2021 LAID OUT 2x 52' TRENCHES. SLIGHT CUT BY WALK OUT. OK TO START.

INSTALLATION: 7/29/21 SHC constructed, SL constructed, tank and d-box set. (ST)

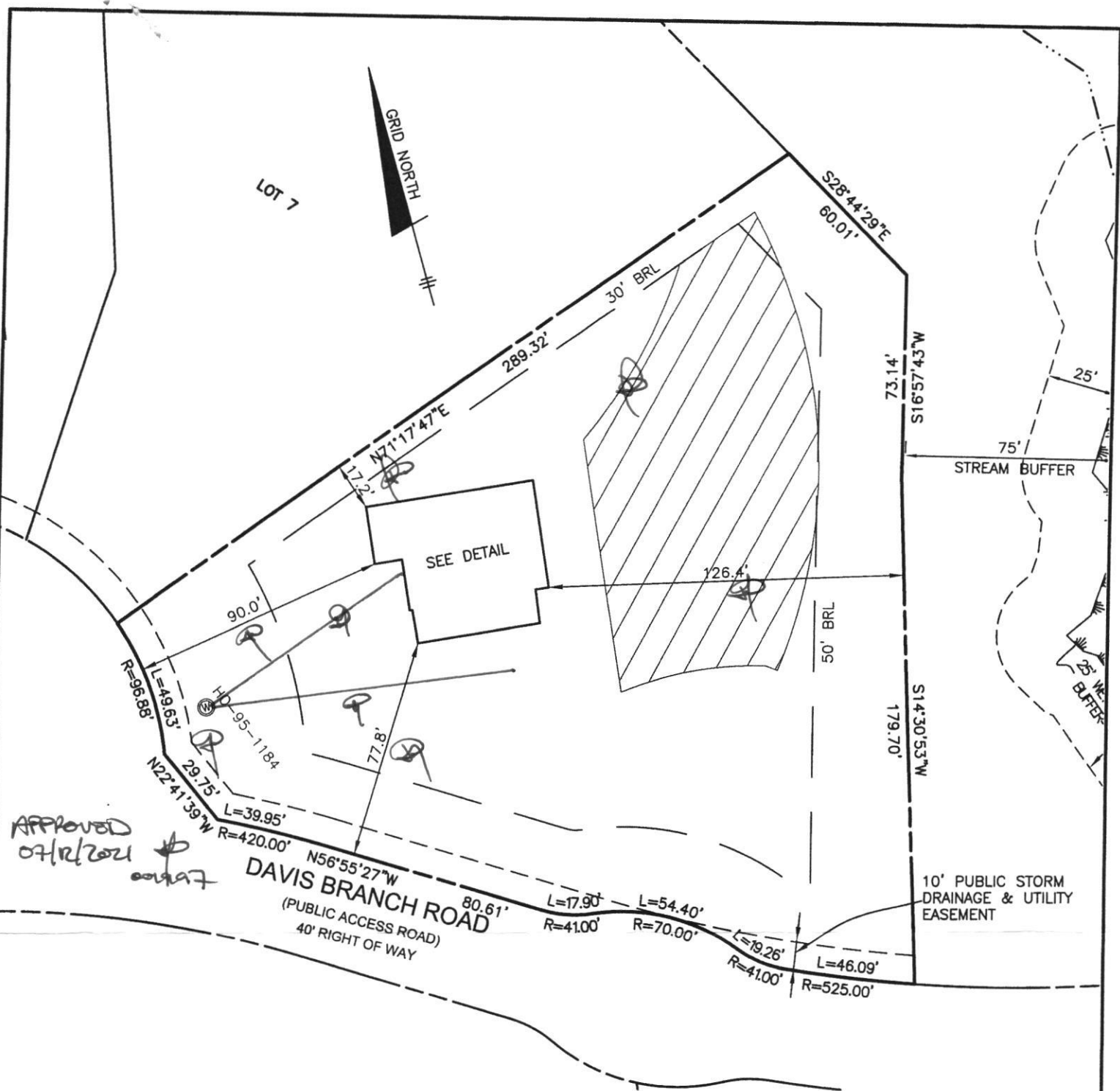
7/29/21 D-box leveled, 2 trenches constructed. (ST)

FINAL INSPECTOR

Susan Thomas

DATE OF APPROVAL

7/29/21



TOP OF FOUNDATION WALL = 404.9'
 OFFSET DIMENSIONS TO PROPERTY LINES ARE ± 0.1'

SURVEYOR'S CERTIFICATE

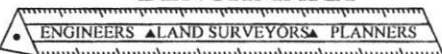
I HEREBY CERTIFY THAT THESE DOCUMENTS, WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21320, EXPIRATION DATE 1-7-2023 AND TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION AND BELIEF, THAT THE DIMENSIONS OF THE BUILDING WALLS SHOWN HEREON ARE CORRECT; THAT THEY ARE BASED ON A FIELD RUN SURVEY PERFORMED BY BENCHMARK ENGINEERING, INC. ON 03/10/2021.

Donald A. Mason 3/11/21

DONALD A. MASON
 PROFESSIONAL LAND SURVEYOR
 MARYLAND REG. No. 21320

FEMA FIRM No. 24027C0080D
 ZONE: X
 DATED: 11/06/2013

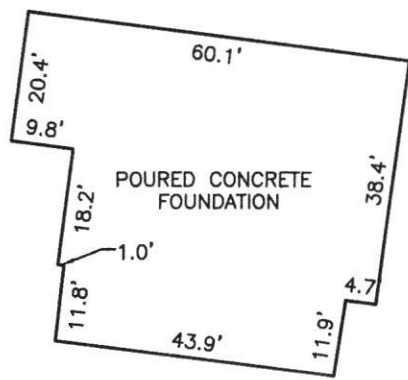
BENCHMARK



ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE SUITE 315
 ELLICOTT CITY, MARYLAND 21043
 (P) 410-465-6105 (F) 410-465-6644

WWW.BEI-CIVILENGINEERING.COM



FOUNDATION DETAIL
 SCALE: 1" = 30'

WALL CHECK

MYRTUE PROPERTY
PLAT No. 23865
LOT No. 8

1825 DAVIS BRANCH ROAD

3rd ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

FIELD OBS. BY ML
 COMP. BY EWF
 DRAWN BY EWF SCALE: 1" = 50' DATE: 03/10/2021



HOWARD COUNTY HEALTH DEPARTMENT

69587

DATE 7/2/21

PS

Received From: Farm Home Excavating PHONE # 410-442-8139

For: Septic Permet / 184301 Hidden Creek 1825 Davis Branch

CASH CHECK NC, 18658

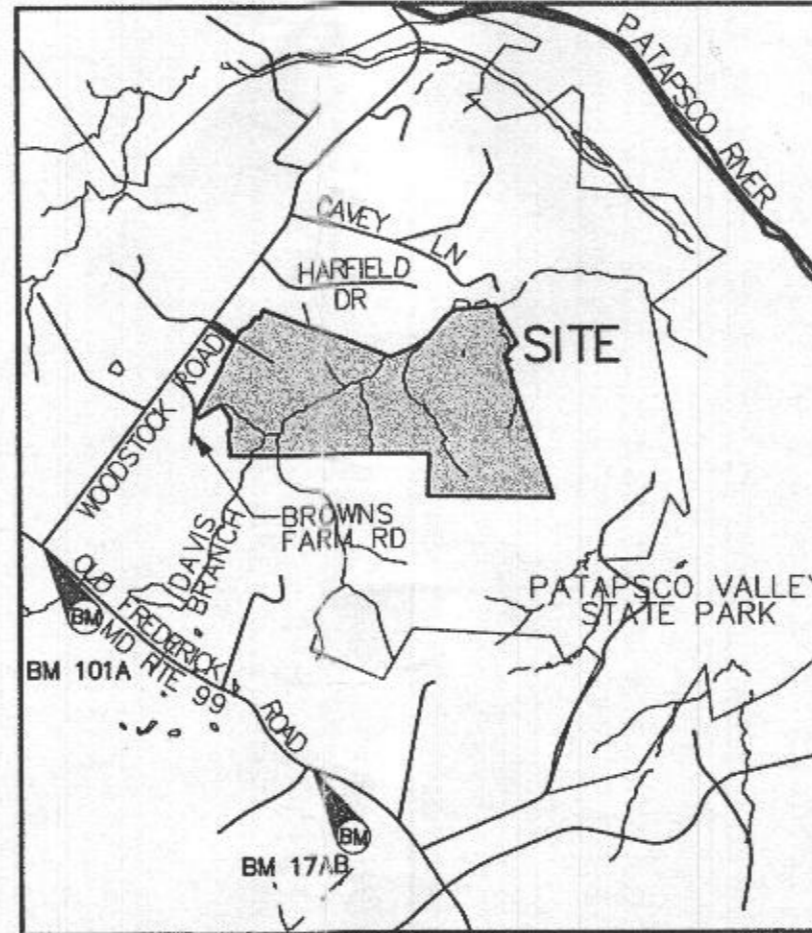
Seven hundred ninety two Dollars

\$ 792.00

Received By: JKimp

GENERAL NOTES

1. THE LOT SHOWN HEREON WAS RECORDED ON THE PLAT FOR MYRTUE PROPERTY, PLAT NUMBER 23865. REFER TO THE PLAT FOR LOT DIMENSIONS, LOT AREA, ALL EASEMENTS AND CONDITIONS.
2. THE EXISTING WELL SHOWN ON THIS PLAN (HO-95-1184) HAS BEEN FIELD LOCATED ON JUNE, 2019 BY BENCHMARK ENGINEERING, INC. AND IS ACCURATELY SHOWN.
3. THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THIS PROJECT'S BOUNDARY EXCEPT AS NOTED.
4. TOPOGRAPHY SHOWN WAS FLOWN BY VIRGINIA RESOURCE MAPPING, INC. DATED FEBUAURY 2003 AND SUPPLEMENTED WITH FIELD SURVEY BY DMW, INC. DATED 2005 AND BENCHMARK ENGINEERING, INC. DATED JUNE, 2019 WHICH CONSISTS OF 2 FOOT CONTOUR INTERVALS.
5. SEDIMENT AND EROSION CONTROLS WILL BE SUBMITTED BY HOWARD SOILS CONSERVATION DISTRICT AS A CUSTOM GRADING PLAN.
6. ALL DRAINAGE AND STORMWATER MANAGEMENT FEATURES USED ON THIS SITE MUST COMPLY WITH THE APPROVED BUILDING PERMIT AND CUSTOM GRADING PLANS.
7. ANY CHANGES TO A PRIVATE SEWAGE DISPOSAL AREA OR WELL BOX SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
8. 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.
9. ANY ELECTRICAL WORK FOR THE INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
10. THE SEPTIC TANK WILL HAVE A 2000 GALLON TWO COMPARTMENT TANK.
11. THE MAXIMUM EARTH COVER OVER THE TANK IS 3 FEET. GREATER EARTH COVER WILL REQUIRE A HEAVY LOAD BEARING BANK.
12. ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200'DOWNGRADIENT OF ANY WELLS/OR SEPTIC SYSTEM HAVE BEEN SHOWN.
13. ANY FUTURE WELLS SHALL BE 10 FEET AWAY FROM THE DRIVEWAY.



VICINITY MAP

SCALE: 1"=2000'

GRID NORTH

BENCHMARK INFORMATION NAD83

Ho. Co. STATION 101A STAMPED DISC SET ON TOP OF CONCRETE COLUMN	Ho. Co. STATION 17AB STAMPED DISC SET ON TOP OF CONCRETE COLUMN
NORTHING: 565347.937' EASTING: 1319266.269' ELEVATION: 588.708'	NORTHING: 564468.943' EASTING: 1318257.375' ELEVATION: 561.105'

Approved Septic System Plan
Howard County Health Department
2000-gal Septic Tank
to gravity drainfield
for 5 bedroom floor plan
J. Buehler 8/9/2019
Signature Date
1825 Davis Branch Rd.

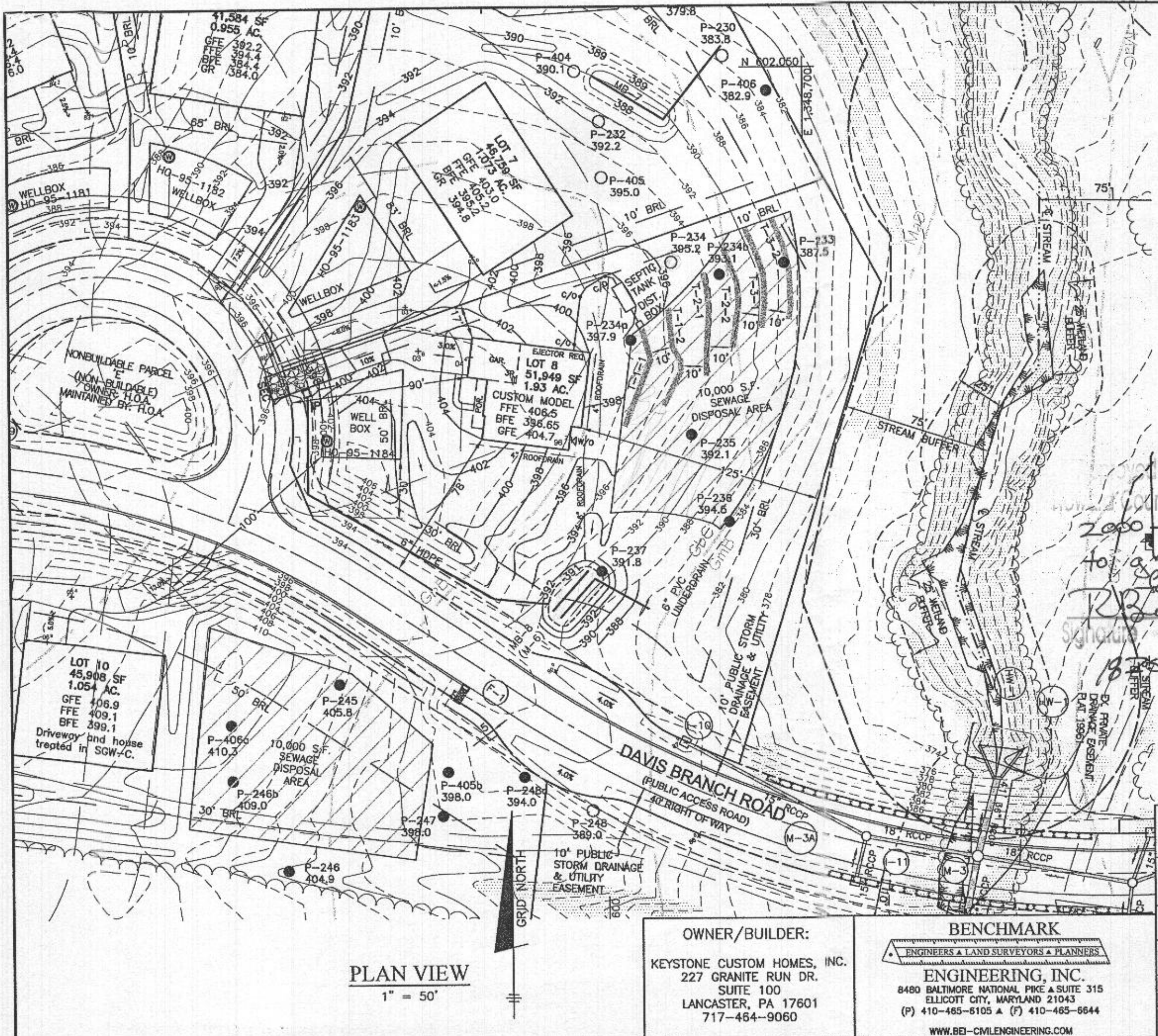
Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 28376, Expiration Date: 01-01-2021.



PROJECT: MYRTUE PROPERTY LOT 8	
LOCATION: TAX MAP: 10, GRID: 24, PARCEL: 225, ZONED: RC-DEO 1825 DAVIS BRANCH RD. WOODSTOCK, MD 21163 6TH ELECTION DISTRICT, HOWARD COUNTY, MD, TAX ID 352404	
TITLE: ONSITE SEWAGE DISPOSAL PLAN	
HOUSE TYPE: CUSTOM - KEYSTONE HOMES	
DATE: JULY, 2019	PROJECT NO. 2099
SCALE: AS SHOWN	DRAWING <u>1</u> OF <u>3</u>

OWNER/BUILDER:
KEYSTONE CUSTOM HOMES, INC.
227 GRANITE RUN DR.
SUITE 100
LANCASTER, PA 17601
717-46-9060

BENCHMARK
ENGINEERS & LAND SURVEYORS & PLANNERS
ENGINEERING, INC.
8480 BALTIMORE NATIONAL PIKE & SUITE 315
ELLCOTT CITY, MARYLAND 21043
(P) 410-465-6105 & (F) 410-465-6644
WWW.BEI-CMLENGINEERING.COM



- LEGEND**
- 400 PROPOSED CONTOURS
 - 398 EXISTING CONTOURS
 - 400 EXISTING PRIVATE SEWAGE EASEMENT
 - 398 FOREST CONSERVATION EASEMENT
 - EXISTING WELL BOX
 - PROPOSED TREELINE
 - EXISTING TREELINE
 - STREAM
 - AREA OF NON-TIDAL WETLAND
 - SOILS MAP SYMBOL
 - SOILS DELINEATION LINE
 - PERC TEST PASSED
 - PERC TEST FAILED

Septic System Plan
 Howard County Health Department
 2000-gal Septic Tank
 to gravity drainfield
 for 5-bedroom Fb
 R. Buehler 8/9/2019
 Signature Date
 875 Davis Branch Rd

Professional Certification. 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. 28376, Expiration Date: 01-01-2021.



PLAN VIEW
 1" = 50'

OWNER/BUILDER:
 KEYSTONE CUSTOM HOMES, INC.
 227 GRANITE RUN DR.
 SUITE 100
 LANCASTER, PA 17601
 717-464-9060

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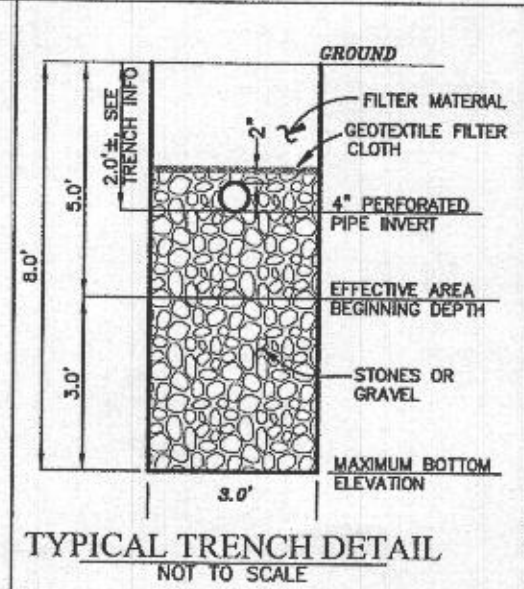
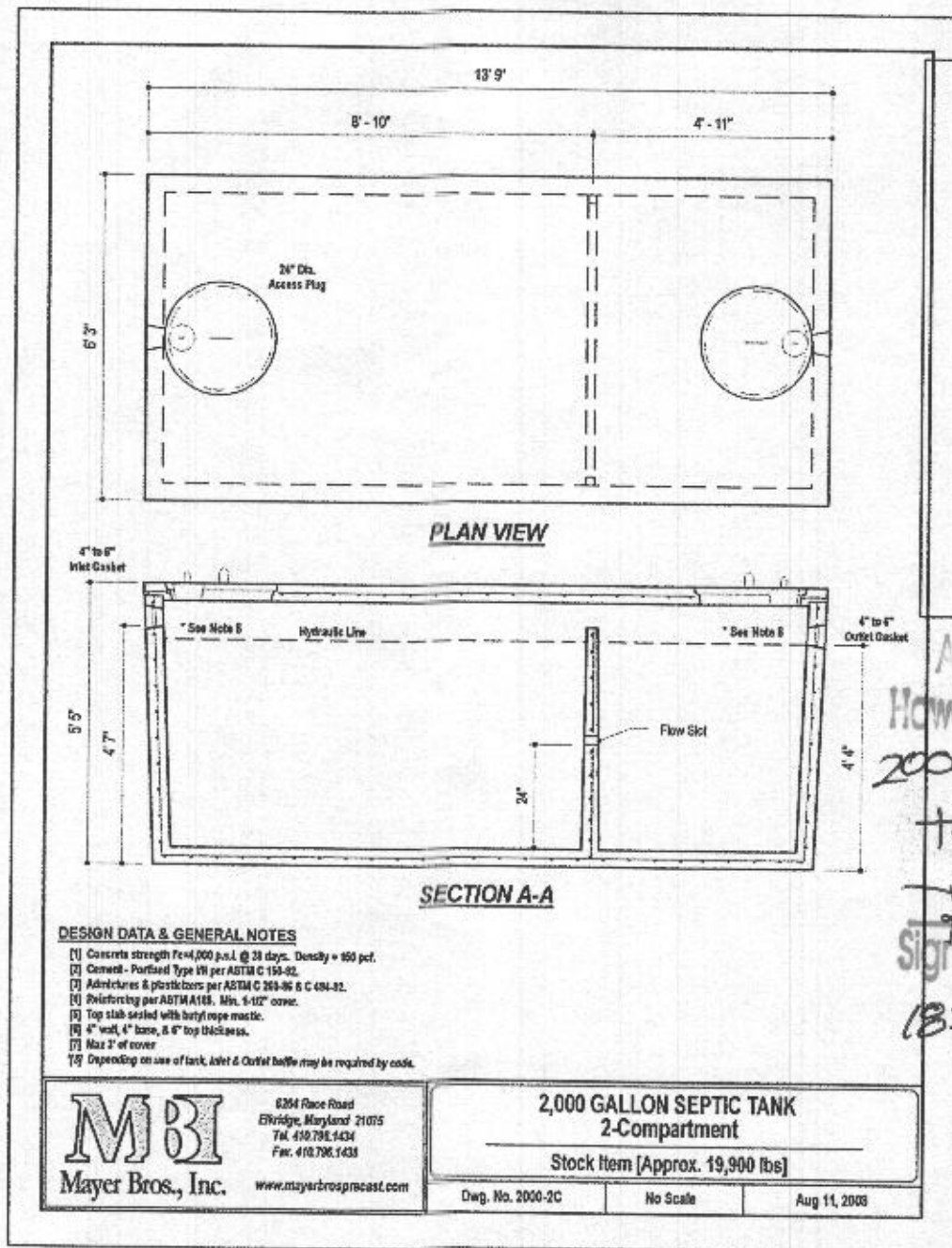
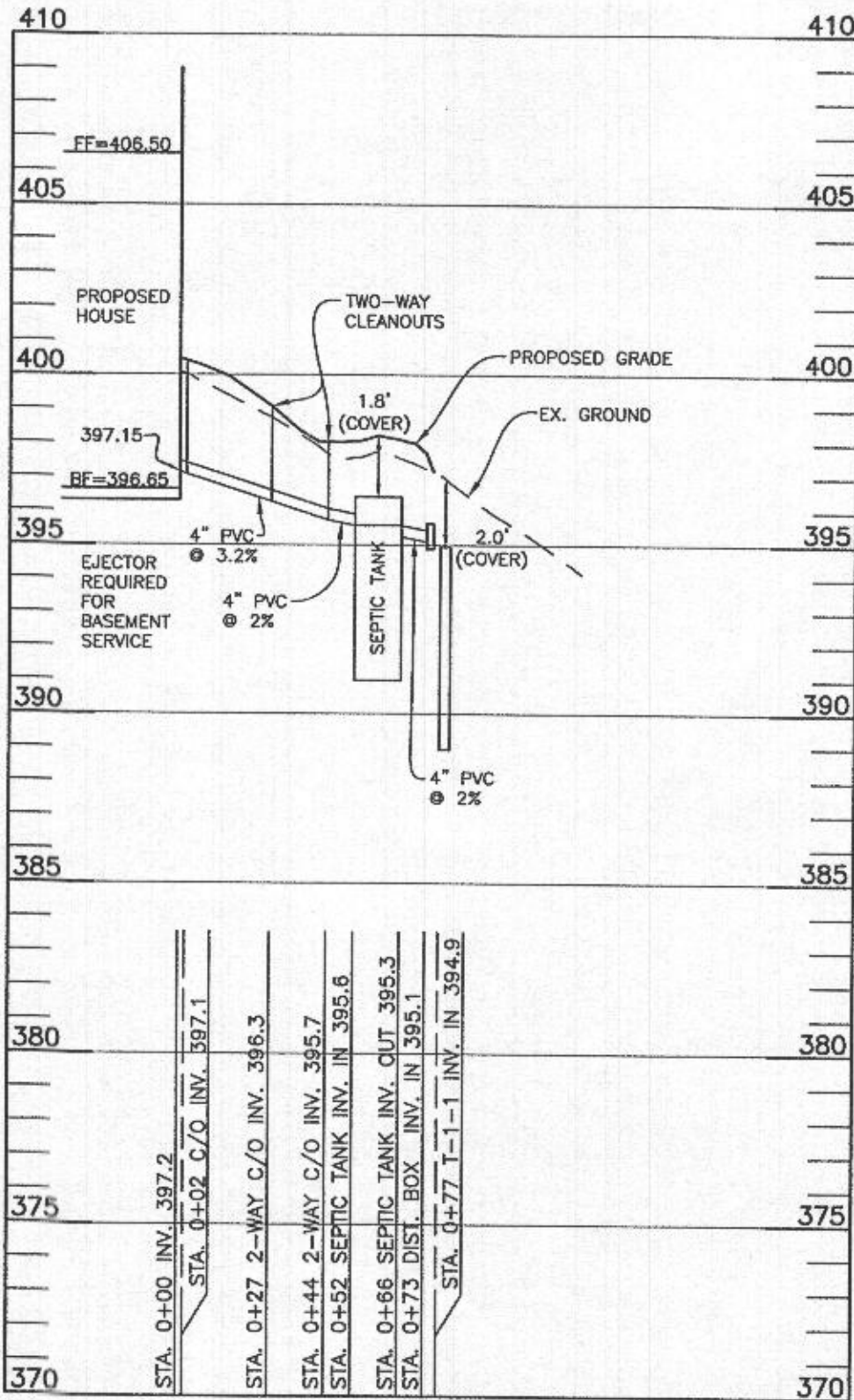
PROJECT:		MYRTUE PROPERTY LOT 8	
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HOUSE TYPE:		CUSTOM - KEYSTONE HOMES	
DATE:	JULY, 2019	PROJECT NO.	2099
SCALE:	AS SHOWN	DRAWING	2 OF 3

HEALTH DEPARTMENT SPEC SHEET INFORMATION - LOT 8			
System	Application Rate	Effective Depth	Bottom Depth
1st Replacement	1.2	5.0	8.0
2nd Replacement	1.2	5.0	8.0
3rd Replacement	1.2	5.0	8.0

TRENCH DESIGN - LOT 8					
INITIAL SYSTEM		1ST REPLACEMENT SYSTEM		2ND REPLACEMENT SYSTEM	
T-1-1	LENGTH 52.1 ft	T-2-1	LENGTH 52.1 ft	T-3-1	LENGTH 52.1 ft
	GROUND ELEVATION 396.9		GROUND ELEVATION 394.1		GROUND ELEVATION 389.5
	INVERT ELEVATION 394.9		INVERT ELEVATION 392.1		INVERT ELEVATION 387.5
	MAX BOTTOM ELEVATION 388.9		MAX BOTTOM ELEVATION 386.1		MAX BOTTOM ELEVATION 381.5
T-1-2	LENGTH 52.1 ft	T-2-2	LENGTH 52.1 ft	T-3-2	LENGTH 52.1 ft
	GROUND ELEVATION 395.9		GROUND ELEVATION 392.0		GROUND ELEVATION 387.0
	INVERT ELEVATION 393.9		INVERT ELEVATION 390.0		INVERT ELEVATION 385.0
	MAX BOTTOM ELEVATION 387.9		MAX BOTTOM ELEVATION 384.0		MAX BOTTOM ELEVATION 379.0

SEPTIC INVERT CHART - LOT 8	
INV @ HOUSE	397.2
GROUND @ HOUSE	400.5
INV IN SEPTIC TANK	395.6
INV OUT SEPTIC TANK	395.3
TOP OF SEPTIC TANK	396.4
GROUND OVER SEPTIC TANK	398.2
INV IN DIST BOX	395.1
INV OUT DIST BOX	395.0
GROUND AT DIST BOX	397.7

INITIAL SYSTEM		
Number of Bedrooms	5	
Application Rate	1.2	gpd/sf
Effective Area Beginning Depth	5.0	ft
Bottom Max Depth	8.0	ft
Design Flow	750	gpd
Drainage Field square footage	625	sf
Sidewall Reduction Credit	0.50	
Trench width	3	ft
Effective Area Depth	3	ft
Trench Spacing	10	ft
Linear Length of trench Required	104	lf



1ST REPLACEMENT SYSTEM		
Number of Bedrooms	5	
Application Rate	1.2	gpd/sf
Effective Area Beginning Depth	5.0	ft
Bottom Max Depth	8.0	ft
Design Flow	750	gpd
Drainage Field square footage	625	sf
Sidewall Reduction Credit	0.50	
Trench width	3	ft
Effective Area Depth	3	ft
Trench Spacing	10	ft
Linear Length of trench Required	104	lf

2ND REPLACEMENT SYSTEM		
Number of Bedrooms	5	
Application Rate	1.2	gpd/sf
Effective Area Beginning Depth	5.0	ft
Bottom Max Depth	8.0	ft
Design Flow	750	gpd
Drainage Field square footage	625	sf
Sidewall Reduction Credit	0.50	
Trench width	3	ft
Effective Area Depth	3	ft
Trench Spacing	10	ft
Linear Length of trench Required	104	lf

- DESIGN DATA & GENERAL NOTES
- [1] Concrete strength $F_c=4,000$ p.s.i. @ 28 days. Density = 150 pcf.
 - [2] Cement - Portland Type III per ASTM C 150-02.
 - [3] Admixtures & plasticizers per ASTM C 260-96 & C 494-02.
 - [4] Reinforcing per ASTM A108, Min. 5-10" cover.
 - [5] Top slab sealed with butyl rope mastic.
 - [6] 4" vent, 4" base, 6" top thickness.
 - [7] Max 2" of cover.
 - [8] Depending on use of tank, Inlet & Outlet baffles may be required by code.

MBI
Mayer Bros., Inc.
6264 Race Road
Elkridge, Maryland 21075
Tel. 410.796.1434
Fax. 410.796.1431
www.mayerbrosprecast.com

2,000 GALLON SEPTIC TANK
2-Compartment
Stock Item (Approx. 19,900 lbs)
Dwg. No. 2000-2C No Scale Aug 11, 2008

Approved Septic System Plan
Howard County Health Department
2000-gal Septic Tank
to gravity drain field
for 5-bedroom SFU
Brickey 8/19
Signature Date
1825 Davis Branch Rd.

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DATE:	JULY, 2019	PROJECT NO. 2099
SCALE:	AS SHOWN	DRAWING 3 OF 3

7-31-19