



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: 8-18-21 **ONSITE SEWAGE DISPOSAL SYSTEM** P 570111

APPROVAL DATE: 12/7/21 **PERMIT: CONSTRUCTION** A _____

PROPERTY ADDRESS: 1927 DAVIS BRANCH ROAD, WOODSTOCK, MD 21163

SUBDIVISION: MYRTUE PROPERTY LOT: 19 TAX ID: 03-352536

CONTRACTOR: _____ EMAIL: _____

CONTRACTOR ADDRESS: _____ PHONE: _____

PROPERTY OWNER: SONSHINE MD LP EMAIL: greinsmith@KeystoneCustomHomes.com

OWNER ADDRESS: 227 GRANITE RUN ROAD, LANCASTER, PA 17601 PHONE: (717)464-9060

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: 7 APPLICATION RATE: 1.2

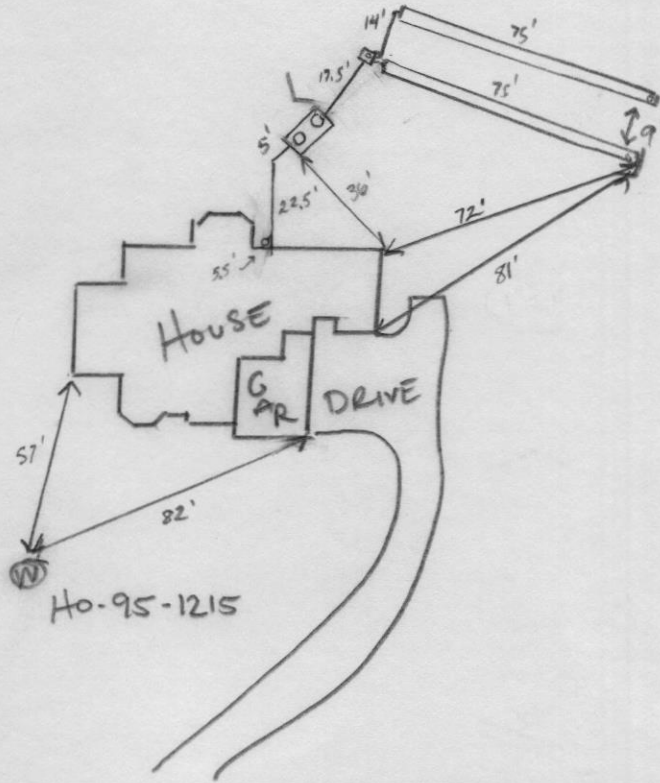
TRENCHES:	LINEAR FEET REQUIRED: <u>146</u>	INLET DEPTH: <u>2.0</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>6.0</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>3.0</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:	INSTALL A CLEANOUT IN SHC, NEAR FOUNDATION	

ISSUED BY: R BRICKER ISSUE DATE: 8-18-21 EXPIRATION DATE: 8-18-22

- 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 DOWNGRAIDENT 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')



ROAD NAME

Davis Branch Rd

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3'	2'	6'

NUMBER OF TRENCHES 2

TOTAL LENGTH 150'

ABSORPTION AREA 450 sq ft + sidewalk

DISTRIBUTION BOX LEVEL speedy

DISTRIBUTION BOX BAFFLE concrete

DISTRIBUTION BOX PORT PVC

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL _____

MANUFACTURER Babylon

CAPACITY 2000 GAL

SEAM LOC top

TANK LID DEPTH 2'

BAFFLES inlet + outlet

BAFFLE FILTER -

MANHOLE LOC inlet + outlet

6" PORT LOC -

WATERTIGHT TEST -

SLOTTED yes

DATE ON LID 11-1-21

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:

11/15/2021 LAID OUT 2x 75' TRS ON CENTERLINE. ST

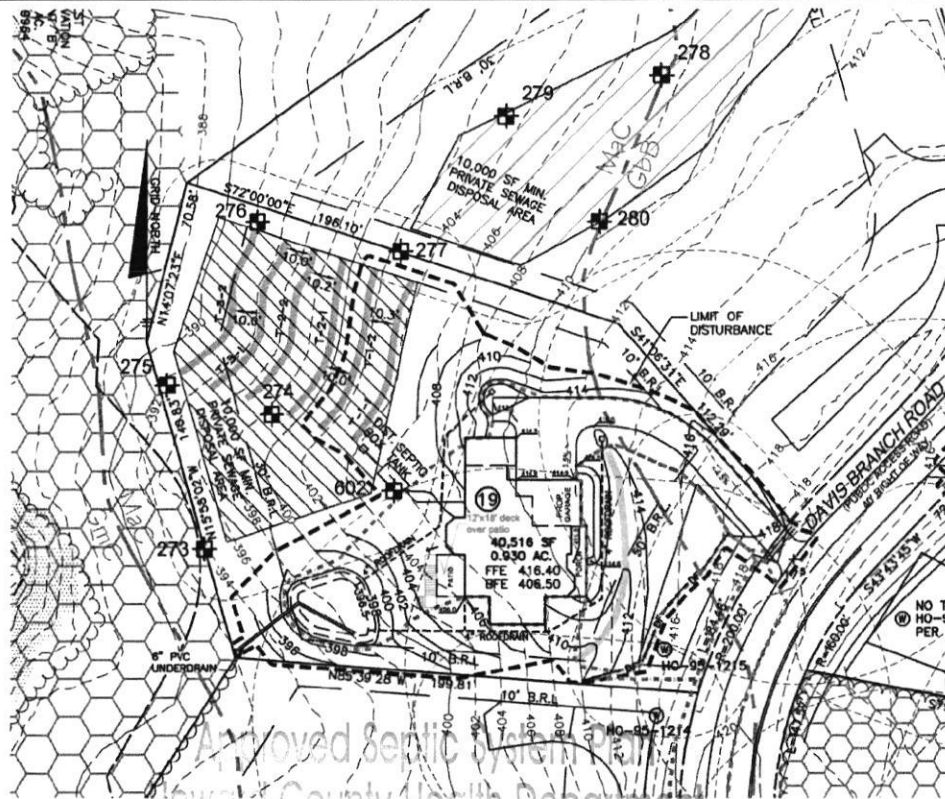
INSTALLATION: 12/7/21 SHC, SL constructed. Tank set. 2x75' trenches installed. Inlet is close to 3' at end of trenches. Approved because effective area starts at 3'. D-box leveled - ran out of water so placed bottom of bucket into d-box to displace water. ST

FINAL INSPECTOR

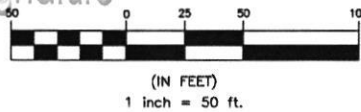
Susan Thomas

DATE OF APPROVAL

12/7/21



BUILDER'S DATA	
FINISHED FLOOR:	416.4
BASEMENT FLOOR:	406.5
TOP OF WALL:	415.2
BASEMENT SUBGRADE:	405.6
GARAGE FLOOR:	415.2
GARAGE LIP:	414.9



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

BENCHMARK
ENGINEERS & LAND SURVEYORS & MANNERS
ENGINEERING, INC.
8480 BALTIMORE NATIONAL PIKE & SUITE 315
ELIJOTT CITY, MARYLAND 21043
(P) 410-455-8105 & (F) 410-455-8844
WWW.BE-CIVILENGINEERING.COM

GENERAL NOTES

1. THE LOT SHOWN HEREON WAS RECORDED ON THE PLAT FOR THE MYRTUE PROPERTY, PLAT No. 23865. REFER TO THE PLATS FOR LOT DIMENSIONS, LOT AREAS, ALL EASEMENTS AND CONDITIONS.
2. SEDIMENT AND EROSION CONTROLS WERE APPROVED BY HOWARD SOIL CONSERVATION DISTRICT UNDER GP-21-
3. TOPOGRAPHY SHOWN HEREON IS TAKEN FROM THE APPROVED ROAD CONSTRUCTION PLANS F-06-104, PREPARED BY DAFT, McCUNE WALKER, INC. SEPT. 2007.
4. ALL SEDIMENT AND EROSION CONTROL FEATURES USED ON THIS SITE SHALL COMPLY WITH THE 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
5. ALL DRAINAGE AND STORMWATER MANAGEMENT FEATURES USED ON THIS SITE MUST COMPLY WITH THE APPROVED ROAD CONSTRUCTION PLANS EXCEPT AS WAIVED.
6. THE EXISTING WELL SHOWN ON THIS PLAN, HO-95-1215, WAS FIELD LOCATED BY DMW, AND IS BELIEVED TO BE ACCURATELY SHOWN.
7. THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THIS PROJECT'S BOUNDARY EXCEPT AS NOTED.
8. ANY CHANGES TO A PRIVATE SEWAGE DISPOSAL AREA OR WELL BOX SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
9. STORMWATER MANAGEMENT FOR THIS LOT IS PROVIDED BY ONE MICRO-BIORETENTION (MDE M-6) AND NON-ROOFTOP DISCONNECTIONS (MDE N-2).
10. RAINWATER SHALL BE CONVEYED TO THE SWM FACILITY WITH 4" OR 6" ROOF LEADERS AND YARD DRAINS, AS SHOWN.

LEGEND

- 400
398
400
- 400
-
-
-
-
-
-
-
-
-
-
-
-

REVISED
Date: 2-16-2022
Comments: 12' x 18' deck w/ steps
621002484

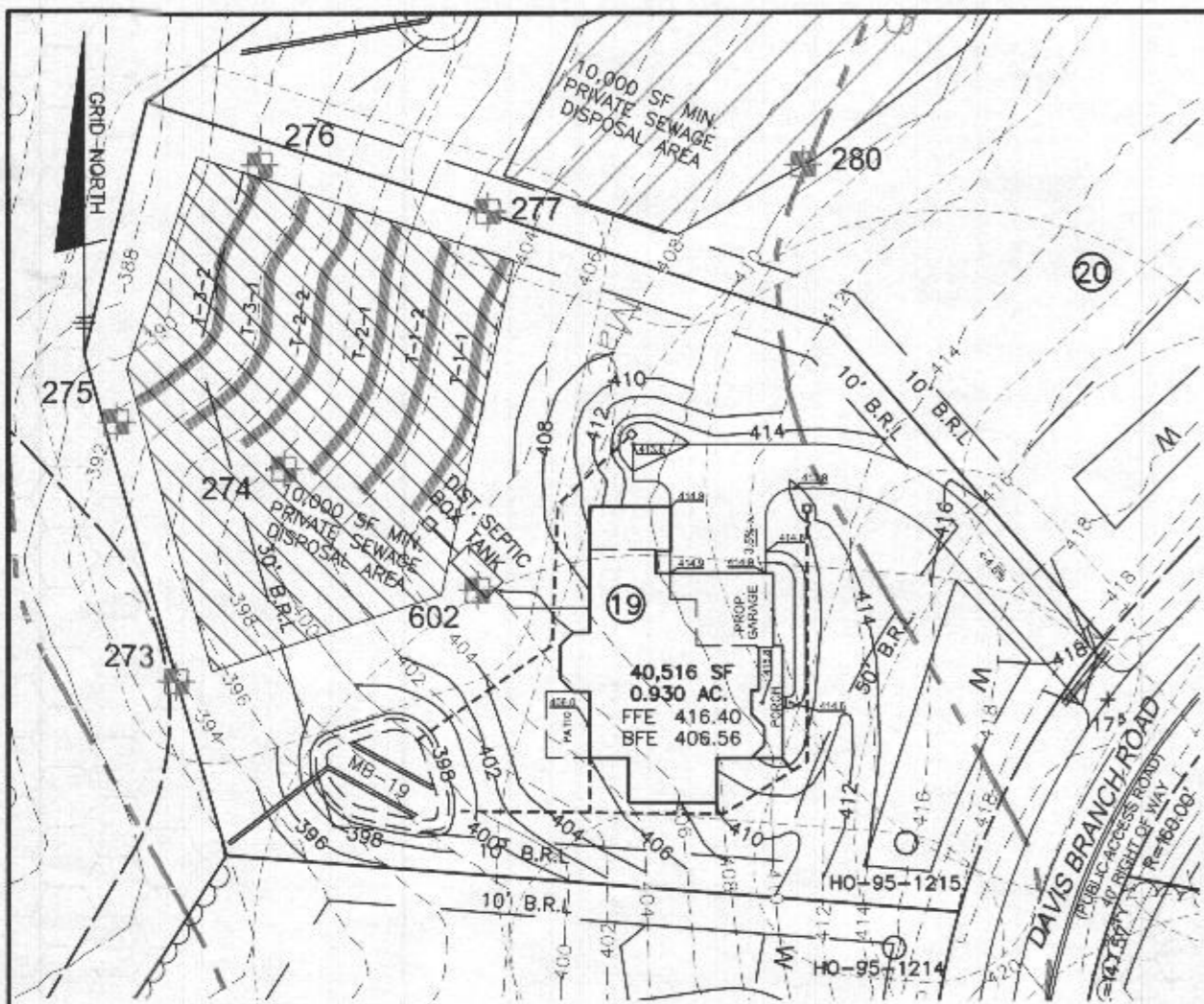
Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland. License No. 28376, Expiration Date: 01-01-2023.



AAM-BEI

2021.06.09 11:35:55 -04'00

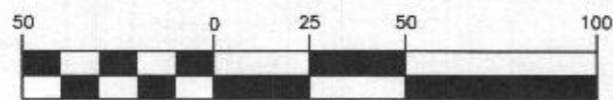
PROJECT:		MYRTUE PROPERTY LOT 19	
LOCATION:		TAX MAP: 10, GRID: 24, PARCEL: 225, ZONED: RC-DEO 1927 DAVIS BRANCH RD., WOODSTOCK, MD 21103 6TH ELECTION DISTRICT, HOWARD COUNTY, MD, TAX ID 352404	
TITLE:		BUILDING PERMIT PLAN	
HOUSE TYPE:		CUSTOM - KEYSTONE HOMES	
DATE:	MAY, 2021	PROJECT NO.	2099
SCALE:	AS SHOWN	DRAWING	1 OF 2



PLAN VIEW

1" = 50'

Approved Septic System Plan
 Howard County Health Department
[Signature] 5/10/2021
 Signature Date
 2000-gal Septic Tank
 to Gravity Distribution
 for 7-bedroom SFD



(IN FEET)
 1 inch = 50 ft.

LEGEND

- 400 PROPOSED CONTOURS
- 398 EXISTING CONTOURS
- 400
- EXISTING PRIVATE SEWAGE DISPOSAL AREA
- EXISTING WELL BOX
- PROPOSED TREELINE
- EXISTING TREELINE
- SOILS MAP SYMBOL
- SOILS DELINEATION LINE
- PERC TEST PASSED

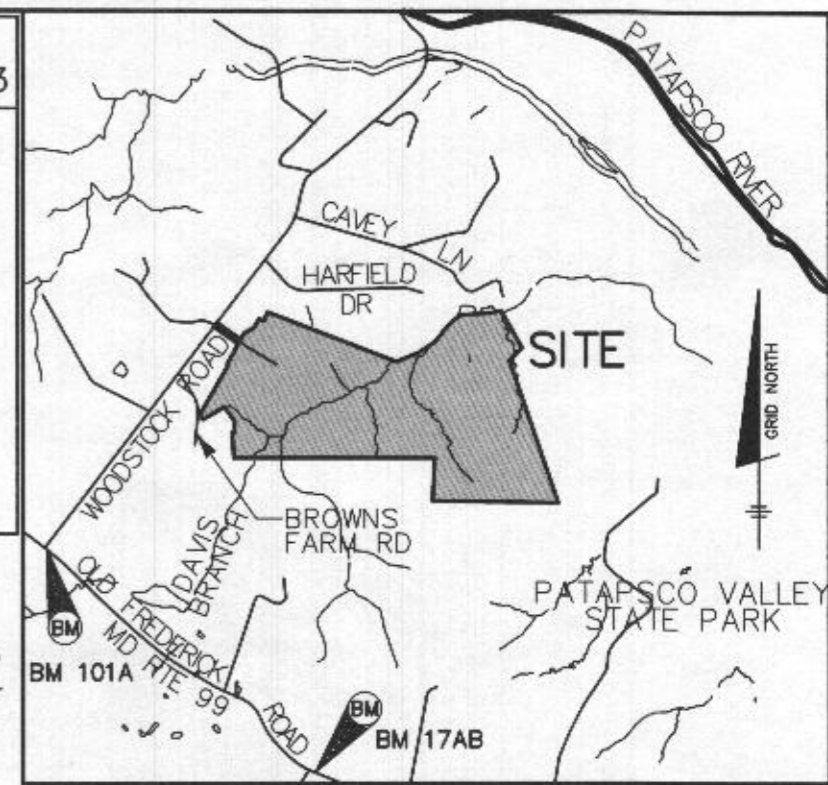
BENCHMARK INFORMATION NAD83

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

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

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-98-1215) HAS BEEN FIELD LOCATED BY DAFT, McCUNE WALKER, INC. AND IS SHOWN IN ACCORDANCE WITH THEIR SURVEY.
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 FEBRUARY 2003 AND SUPPLEMENTED WITH FIELD SURVEY BY DMW, INC. DATED 2005.
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 BE 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 TANK.
12. ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELLS/OR SEPTIC SYSTEM HAVE BEEN SHOWN.
13. ANY FUTURE WELLS SHALL BE 10' FROM DRIVEWAY.



VICINITY MAP

SCALE: 1" = 2000'

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: 01-01-2023.



AAM-BEI

2021.04.14 11:23:43 -04'00

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

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

PROJECT:	MYRTUE PROPERTY LOT 19	
LOCATION:	TAX MAP: 10, GRID: 24, PARCEL: 225, ZONED: RC-DEO 1927 DAVIS BRANCH RD, WOODSTOCK, MD 21163 6TH ELECTION DISTRICT, HOWARD COUNTY, MD, TAX ID 352536	
TITLE:	ONSITE SEWAGE DISPOSAL PLAN	
HOUSE TYPE:	CUSTOM - KEYSTONE HOMES	
DATE:	APRIL, 2021	PROJECT NO. 2099
SCALE:	AS SHOWN	DRAWING <u>1</u> OF <u>2</u>