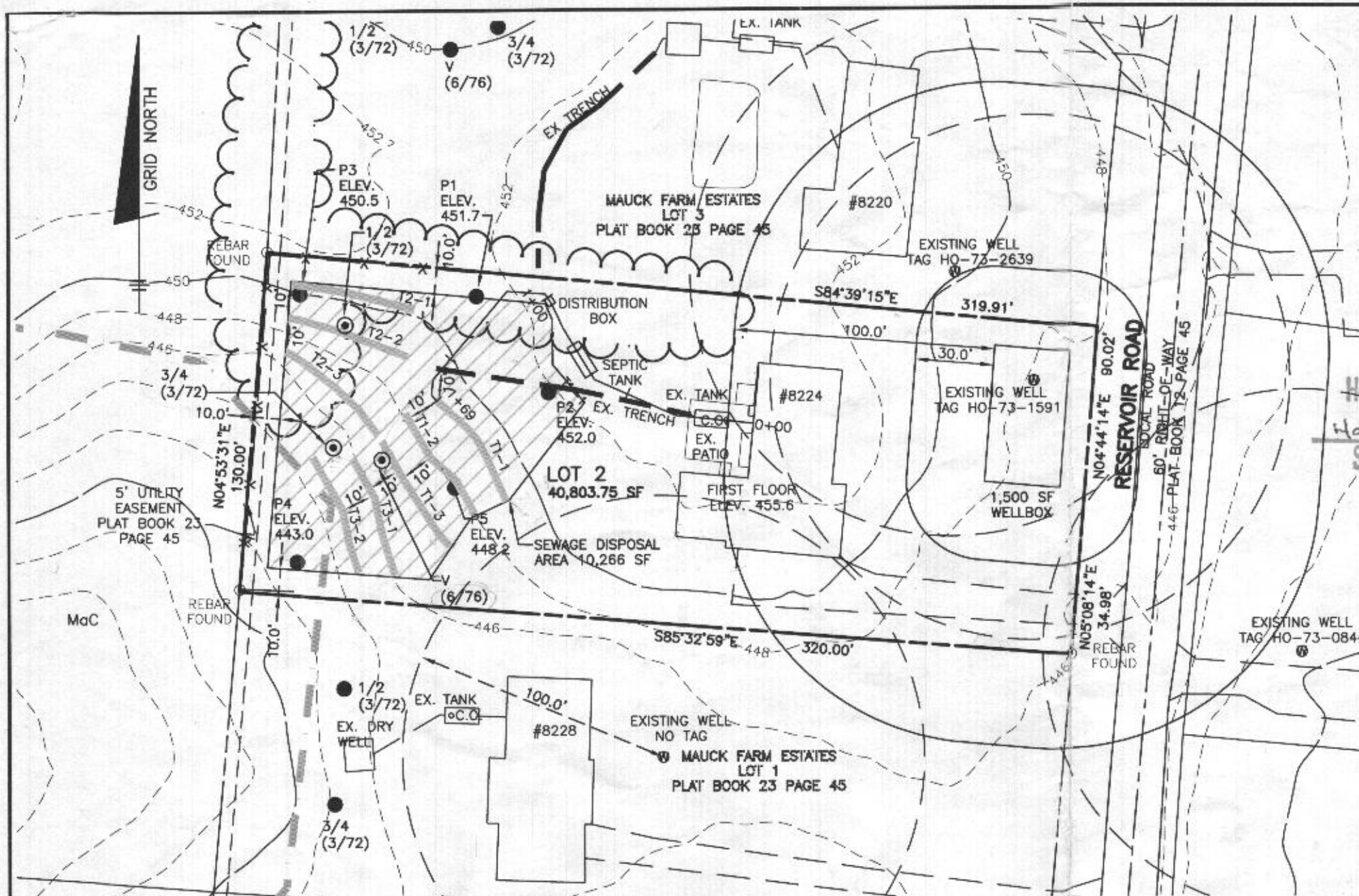
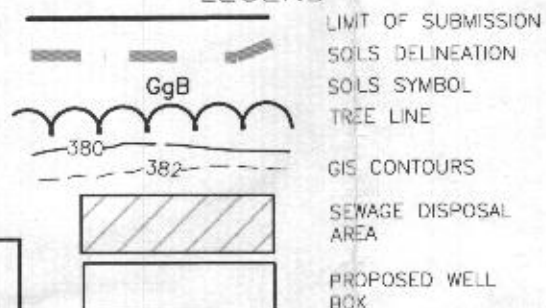




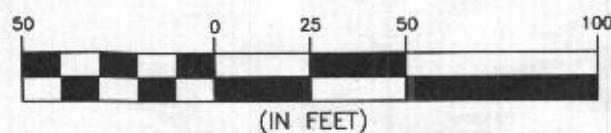
PLAN VIEW

1" = 50'

LEGEND



HEALTH DEPARTMENT SPEC SHEET INFORMATION - LOT 2			
System	Application Rate	Effective Depth	Bottom Depth
Initial	0.8	4.0	7.5
1st Replacement	0.8	4.0	7.5
2nd Replacement	1.2	4.0	7.5

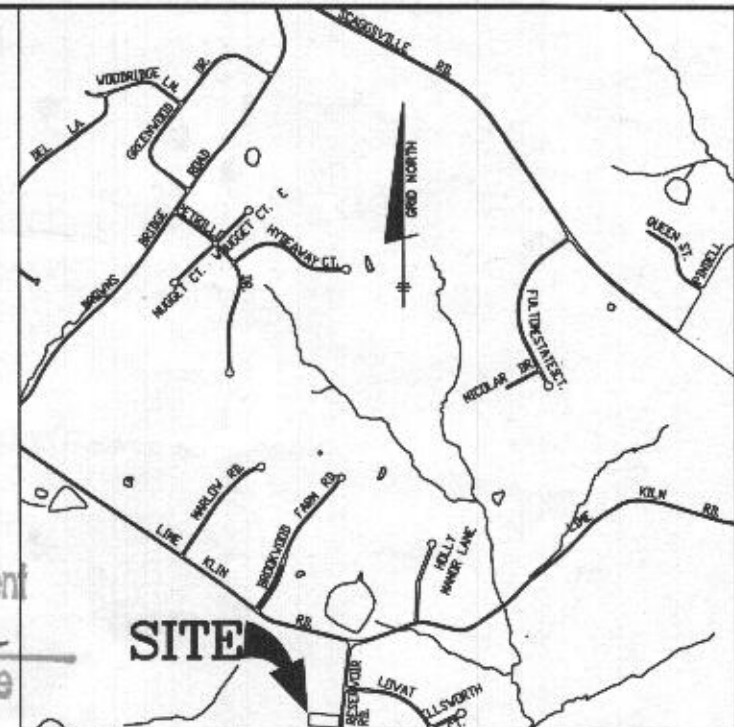


BENCHMARK
ENGINEERS & LAND SURVEYORS & PLANNERS
ENGINEERING, INC.
8480 BALTIMORE NATIONAL PIKE SUITE 315
ELLICOTT CITY, MARYLAND 21043
(P) 410-465-6105 (F) 410-465-6644
WWW.BEI-CVLENGINEERING.COM

Approved Septic System Plan
Howard County Health Department

Hank Oswald
Signature

4/13/22
Date



VICINITY MAP
SCALE: 1" = 2000'

OSDS PERMIT PLAN NOTES:

1. THE LOT SHOWN HEREON WAS RECORDED AS LOT 2 ON THE SUBDIVISION PLAT TITLES "MAUCK FARM ESTATES" AND RECORDED IN THE LAND RECORDS AS PLAT BOOK 23 PAGE 45. REFER TO THE PLAT FOR PARCEL DIMENSIONS, AREAS, EASEMENTS AND CONDITIONS.
2. THIS PROJECT DOES NOT REQUIRE SEDIMENT CONTROLS.
3. TOPOGRAPHY SHOWN HEREON IS TAKEN FROM THE HOWARD COUNTY GIS, AND HAS BEEN FIELD VERIFIED BY BENCHMARK ENGINEERING, INC., DATED MARCH, 2022. THE EXISTING WELL IS FIELD LOCATED BY BENCHMARK ENGINEERING, INC., DATED MARCH, 2022, AND IS ACCURATELY SHOWN.
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 BUILDING PERMIT PLANS.
6. THE EXISTING WELL SHOWN ON THIS PLAN, HO-73-1591, HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC., AND IS ACCURATELY SHOWN.
7. TO THE BEST OF OUR KNOWLEDGE, ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELL AND/OR SEPTIC HAVE BEEN SHOWN.
8. ANY CHANGES TO A PRIVATE SEWAGE DISPOSAL AREA OR WELL BOX SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
9. THERE IS NO EXISTING OR PROPOSED STORMWATER MANAGEMENT FOR THIS PARCEL.
10. THERE IS ONE EXISTING DWELLING ON THIS PARCEL. IT IS TO REMAIN.
11. THERE IS NO FOREST CONSERVATION OBLIGATION FOR THIS DEVELOPMENT.
12. THE FIRST TRENCH SYSTEM UNDER THIS OSDS PERMIT PLAN IS TO BE INSTALLED 10.0' BELOW THE EXISTING TRENCH.
13. PERCOLATION TEST FEE RECEIPT NUMBER, REFERENCED IN THE APPROVING AUTHORITY CORRESPONDENCE, IS A570966.
14. THE NEW SEPTIC TANK WILL HAVE A 2,000 GALLON TWO COMPARTMENT TANK.
15. THE EXISTING SEPTIC TANK AND TRENCH WERE FIELD LOCATED AND ARE ACCURATELY SHOWN.

PROJECT: MAUCK FARM ESTATES LOT 2	
LOCATION: 8224 RESERVOIR ROAD, FULTON, MD 20759 TAX MAP: 45 - GRID: 06 - PARCEL: 039 ELECTION DISTRICT NO. 5 - HOWARD COUNTY, MARYLAND TAX ACCOUNT # 05-346096	
TITLE: ON-SITE SEWAGE DISPOSAL SYSTEM (OSDS) PERMIT PLAN	
HOUSE TYPE: POMPEY RESIDENCE	
DATE: MARCH, 2022	PROJECT NO. 3103
SCALE: AS SHOWN	DRAWING 1 OF 3

BUILDER:
PORTA CONSTRUCTION, INC.
10382 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MD 21042
443-980-1399

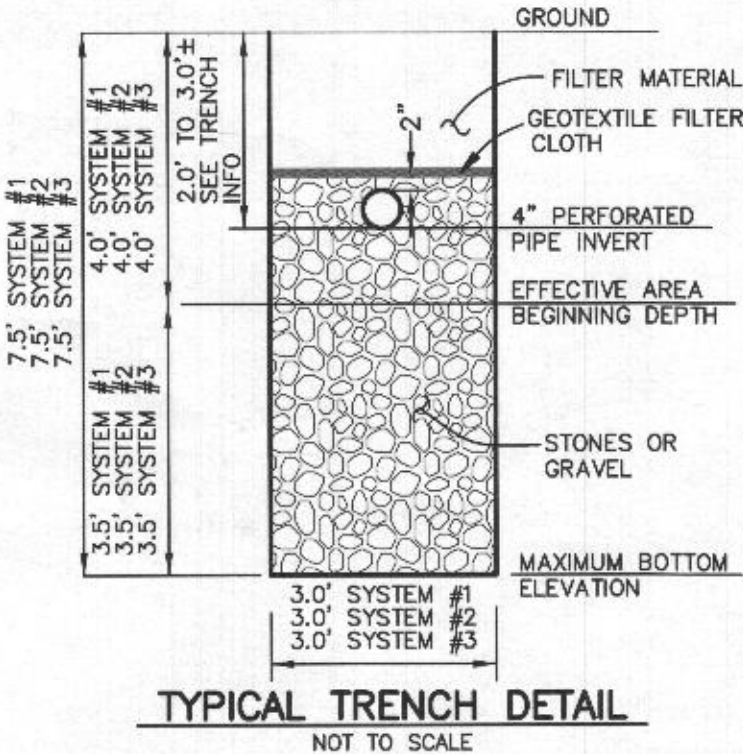
OWNER:
SARAH AND VINCENT POMPEY
8224 RESERVOIR ROAD
FULTON, MD 20759

INITIAL SYSTEM - LOT 2		
Number of Bedrooms	5	
Application Rate	0.8	gpd/sf
Effective Area Beginning Depth	4.0	ft
Bottom Max Depth	7.5	ft
Design Flow	750	gpd
Drainage Field square footage	937.5	sf
Sidewall Reduction Credit	0.45	
Trench width	3	ft
Effective Area Depth	3.5	ft
Trench Spacing	10	ft
Linear Length of trench Required	142	lf

1st REPLACEMENT SYSTEM		
Number of Bedrooms	5	
Application Rate	0.8	gpd/sf
Effective Area Beginning Depth	4.0	ft
Bottom Max Depth	7.5	ft
Design Flow	750	gpd
Drainage Field square footage	937.5	sf
Sidewall Reduction Credit	0.45	
Trench width	3	ft
Effective Area Depth	3.5	ft
Trench Spacing	10	ft
Linear Length of trench Required	142	lf

2nd REPLACEMENT SYSTEM		
Number of Bedrooms	5	
Application Rate	1.2	gpd/sf
Effective Area Beginning Depth	4.0	ft
Bottom Max Depth	7.5	ft
Design Flow	750	gpd
Drainage Field square footage	625	sf
Sidewall Reduction Credit	0.45	
Trench width	3	ft
Effective Area Depth	3.5	ft
Trench Spacing	10	ft
Linear Length of trench Required	95	lf

TRENCH DATA - LOT 2					
INITIAL SYSTEM		FIRST REPLACEMENT		SECOND REPLACEMENT	
TRENCH 1-1		TRENCH 2-1		TRENCH 3-1	
LENGTH	47.4 ft	LENGTH	48 ft	LENGTH	48 ft
GROUND ELEVATION	449.0	GROUND ELEVATION	450.1	GROUND ELEVATION	446.0
INVERT ELEVATION	446.5	INVERT ELEVATION	446.6	INVERT ELEVATION	444.0
MAX BOTTOM ELEVATION	441.5	MAX BOTTOM ELEVATION	442.6	MAX BOTTOM ELEVATION	438.5
TRENCH 1-2		TRENCH 2-2		TRENCH 3-2	
LENGTH	47.4 ft	LENGTH	48 ft	LENGTH	48 ft
GROUND ELEVATION	448.1	GROUND ELEVATION	449.0	GROUND ELEVATION	444.6
INVERT ELEVATION	446.1	INVERT ELEVATION	446.5	INVERT ELEVATION	442.6
MAX BOTTOM ELEVATION	440.6	MAX BOTTOM ELEVATION	441.5	MAX BOTTOM ELEVATION	437.1
TRENCH 1-3		TRENCH 2-3			
LENGTH	48 ft	LENGTH	48 ft		
GROUND ELEVATION	446.9	GROUND ELEVATION	446.9		
INVERT ELEVATION	444.9	INVERT ELEVATION	444.9		
MAX BOTTOM ELEVATION	439.4	MAX BOTTOM ELEVATION	439.4		



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. 45577, Expiration Date: 06-08-2022.

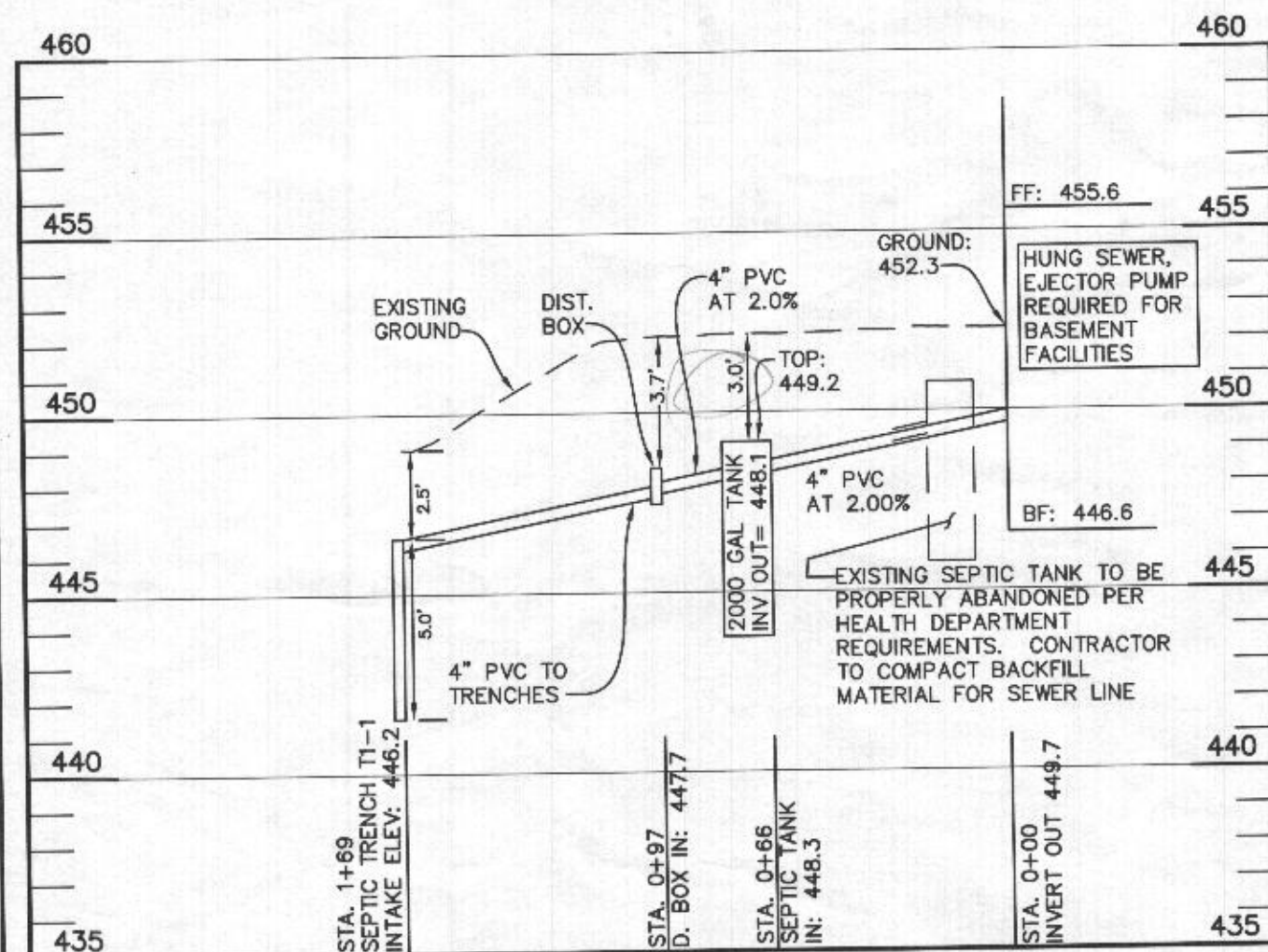


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ELLICOTT CITY, MD 21042
443-980-1399

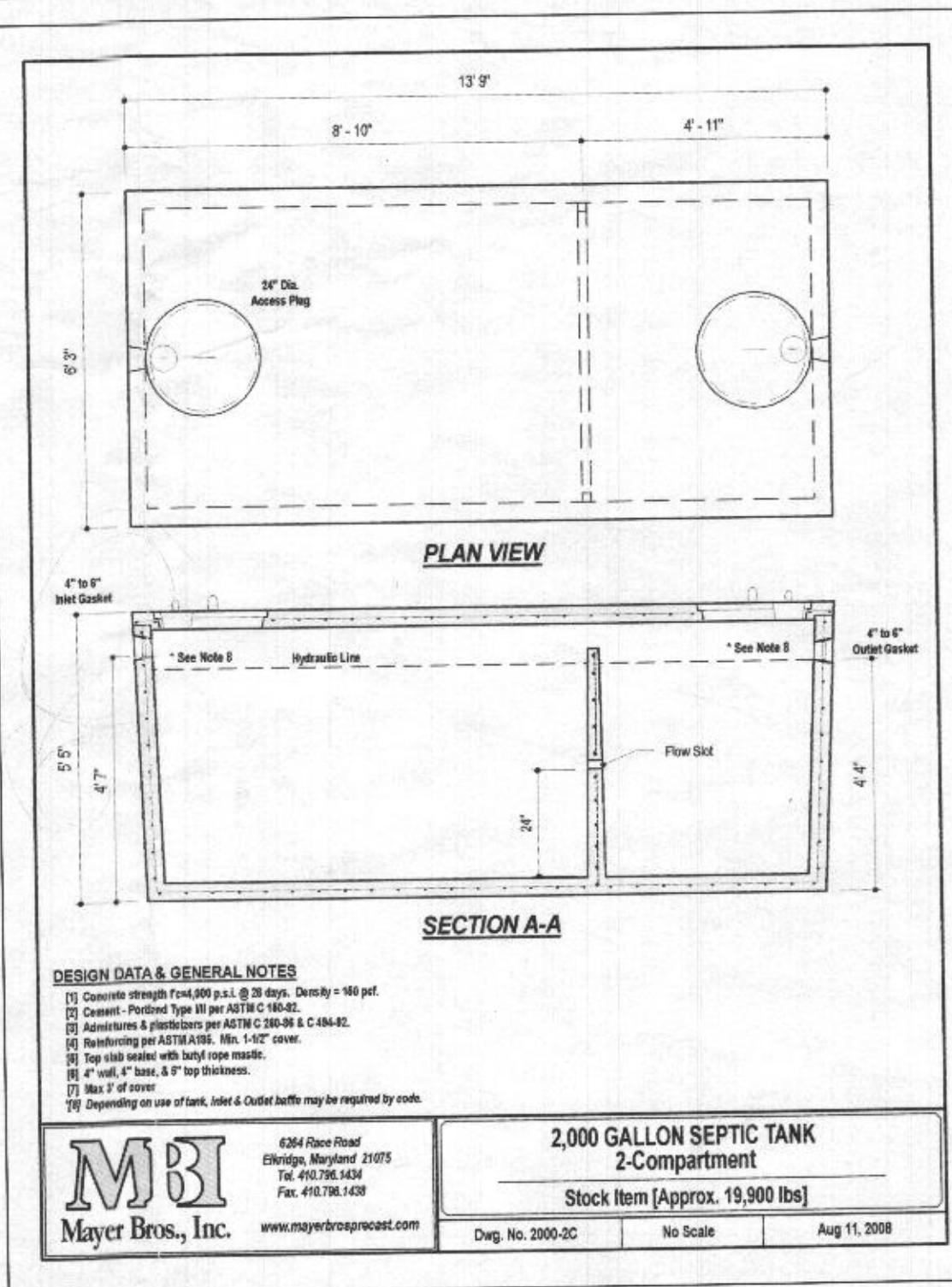
OWNER:
SARAH AND VINCENT POMPEY
8224 RESERVOIR ROAD
FULTON, MD 20759

PROJECT: MAUCK FARM ESTATES LOT 2		
LOCATION: 8224 RESERVOIR ROAD, FULTON, MD 20759 TAX MAP: 45 - GRID: 06 - PARCEL: 039 ELECTION DISTRICT NO. 5 - HOWARD COUNTY, MARYLAND TAX ACCOUNT # 05-346096		
TITLE: ON-SITE SEWAGE DISPOSAL SYSTEM (OSDS) DESIGN PLAN		
HOUSE TYPE: POMPEY RESIDENCE		
DATE:	MARCH, 2022	PROJECT NO. 3103
SCALE:	AS SHOWN	DRAWING <u>2</u> OF <u>3</u>



SEWER OUTFALL
HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 5'

SEPTIC INVERT CHART - LOT 2	
INV @ HOUSE	449.7
GROUND @ HOUSE	452.3
INV IN TANK	448.3
INV OUT TANK	448.1
TOP OF TANK	449.2
GROUND OVER TANK	452.2
INV IN DIST BOX	447.8
INV OUT DIST BOX	447.7
GROUND AT DIST BOX	452.1



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. 45577, Expiration Date: 06-08-2022.



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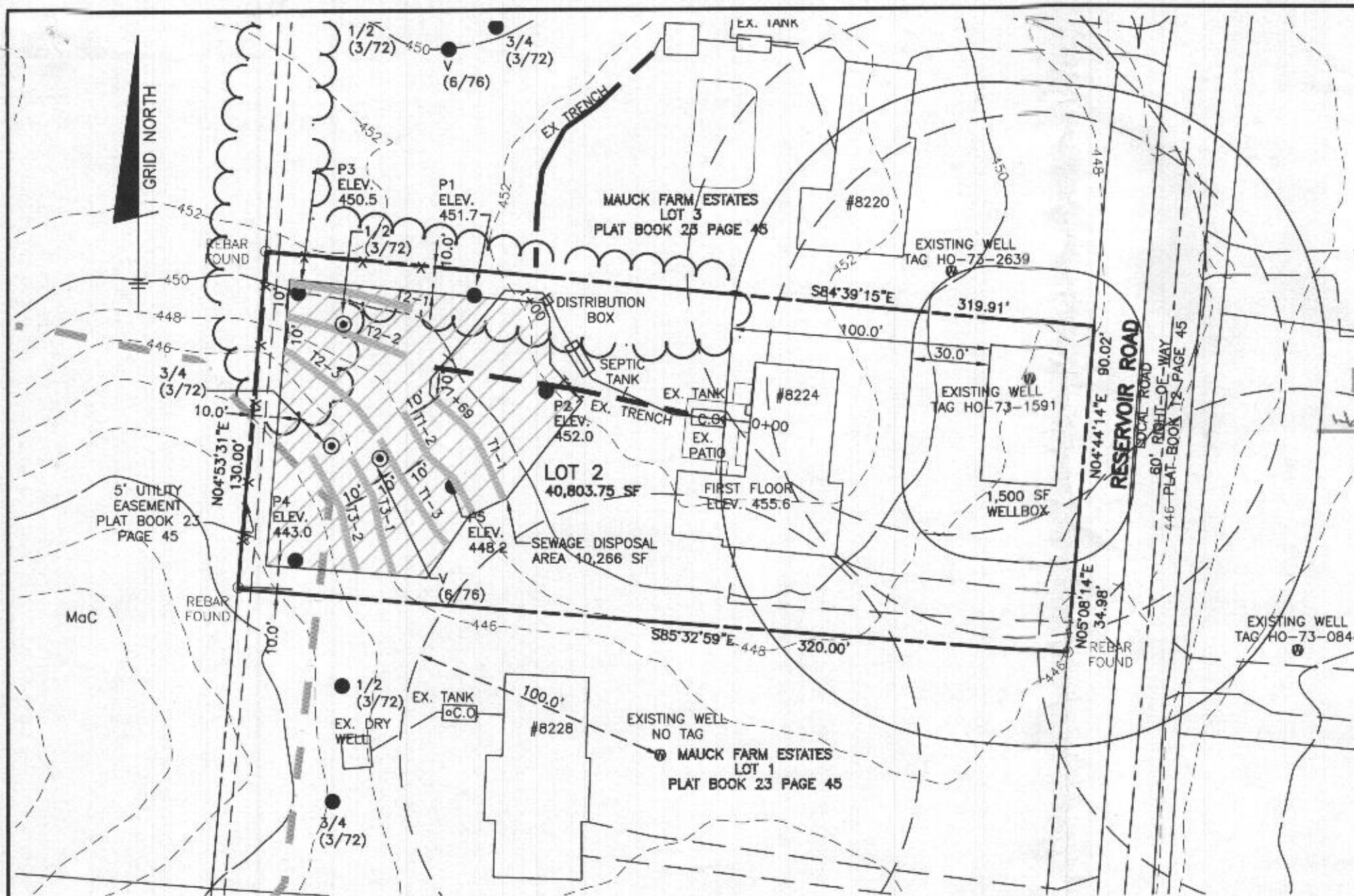
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ELLICOTT CITY, MARYLAND 21043
(P) 410-465-6105 • (F) 410-465-8644

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PROJECT:	MAUCK FARM ESTATES LOT 2	
	8224 RESERVOIR ROAD, FULTON, MD 20759 TAX MAP: 45 - GRID: 06 - PARCEL: 039 ELECTION DISTRICT NO. 5 - HOWARD COUNTY, MARYLAND TAX ACCOUNT # 05-346096	
LOCATION:	ON-SITE SEWAGE DISPOSAL SYSTEM (OSDS) DESIGN PLAN	
TITLE:	POMPEY RESIDENCE	
HOUSE TYPE:	DATE: MARCH, 2022 PROJECT NO. 3103	
DATE:	MARCH, 2022	PROJECT NO. 3103
SCALE:	AS SHOWN	DRAWING 3 OF 3

BUILDER:
PORTA CONSTRUCTION, INC.
10382 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MD 21042
443-980-1399

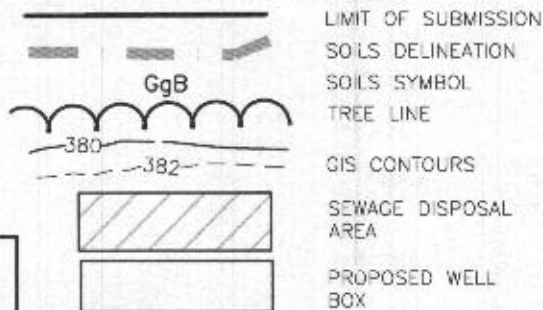
OWNER:
SARAH AND VINCENT POMPEY
8224 RESERVOIR ROAD
FULTON, MD 20759



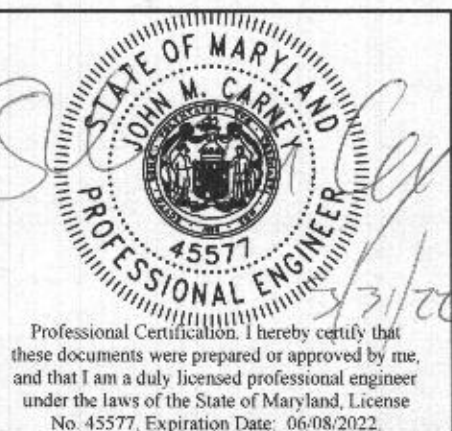
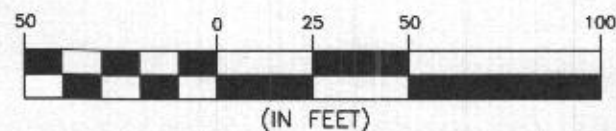
PLAN VIEW

1" = 50'

LEGEND



HEALTH DEPARTMENT SPEC SHEET INFORMATION - LOT 2			
System	Application Rate	Effective Depth	Bottom Depth
Initial	0.8	4.0	7.5
1st Replacement	0.8	4.0	7.5
2nd Replacement	1.2	4.0	7.5



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ELLICOTT CITY, MD 21042
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8224 RESERVOIR ROAD
FULTON, MD 20759

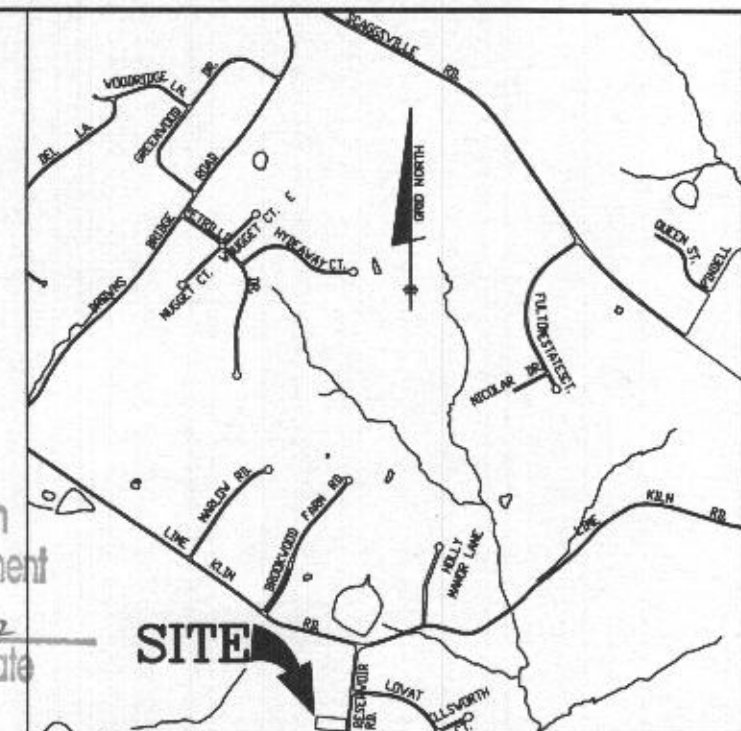
OSDS PERMIT PLAN NOTES:

1. THE LOT SHOWN HEREON WAS RECORDED AS LOT 2 ON THE SUBDIVISION PLAT TITLES "MAUCK FARM ESTATES" AND RECORDED IN THE LAND RECORDS AS PLAT BOOK 23 PAGE 45. REFER TO THE PLAT FOR PARCEL DIMENSIONS, AREAS, EASEMENTS AND CONDITIONS.
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3. TOPOGRAPHY SHOWN HEREON IS TAKEN FROM THE HOWARD COUNTY GIS, AND HAS BEEN FIELD VERIFIED BY BENCHMARK ENGINEERING, INC., DATED MARCH, 2022. THE EXISTING WELL IS FIELD LOCATED BY BENCHMARK ENGINEERING, INC., DATED MARCH, 2022, AND IS ACCURATELY SHOWN.
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11. THERE IS NO FOREST CONSERVATION OBLIGATION FOR THIS DEVELOPMENT.
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Approved Septic System Plan
Howard County Health Department

Wank Oswald
Signature

4/13/22
Date



SITE

VICINITY MAP

ADC MAP 5015 GRID K7

SCALE: 1" = 2000'

PROJECT: **MAUCK FARM ESTATES
LOT 2**

LOCATION: 8224 RESERVOIR ROAD, FULTON, MD 20759
TAX MAP: 45 - GRID: 06 - PARCEL: 039
ELECTION DISTRICT NO. 5 - HOWARD COUNTY, MARYLAND
TAX ACCOUNT # 05-346096

TITLE: **ON-SITE SEWAGE DISPOSAL SYSTEM
(OSDS) PERMIT PLAN**

HOUSE TYPE: **POMPEY RESIDENCE**

DATE: MARCH, 2022 PROJECT NO. 3103

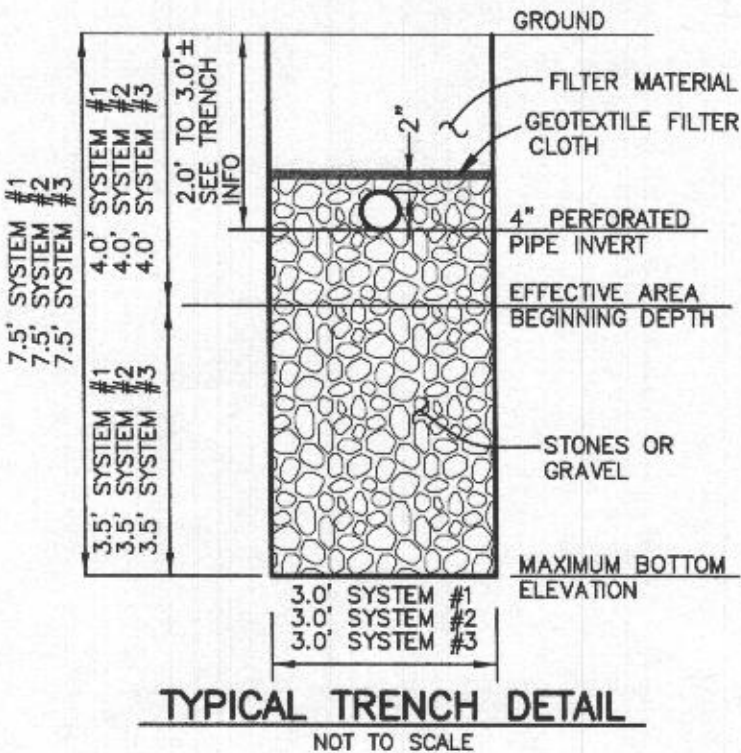
SCALE: AS SHOWN DRAWING 1 OF 3

INITIAL SYSTEM - LOT 2		
Number of Bedrooms	5	
Application Rate	0.8	gpd/sf
Effective Area Beginning Depth	4.0	ft
Bottom Max Depth	7.5	ft
Design Flow	750	gpd
Drainage Field square footage	937.5	sf
Sidewall Reduction Credit	0.45	
Trench width	3	ft
Effective Area Depth	3.5	ft
Trench Spacing	10	ft
Linear Length of trench Required	142	lf

1st REPLACEMENT SYSTEM		
Number of Bedrooms	5	
Application Rate	0.8	gpd/sf
Effective Area Beginning Depth	4.0	ft
Bottom Max Depth	7.5	ft
Design Flow	750	gpd
Drainage Field square footage	937.5	sf
Sidewall Reduction Credit	0.45	
Trench width	3	ft
Effective Area Depth	3.5	ft
Trench Spacing	10	ft
Linear Length of trench Required	142	lf

2nd REPLACEMENT SYSTEM		
Number of Bedrooms	5	
Application Rate	1.2	gpd/sf
Effective Area Beginning Depth	4.0	ft
Bottom Max Depth	7.5	ft
Design Flow	750	gpd
Drainage Field square footage	625	sf
Sidewall Reduction Credit	0.45	
Trench width	3	ft
Effective Area Depth	3.5	ft
Trench Spacing	10	ft
Linear Length of trench Required	95	lf

TRENCH DATA - LOT 2					
INITIAL SYSTEM		FIRST REPLACEMENT		SECOND REPLACEMENT	
TRENCH 1-1		TRENCH 2-1		TRENCH 3-1	
LENGTH	47.4 ft	LENGTH	48 ft	LENGTH	48 ft
GROUND ELEVATION	449.0	GROUND ELEVATION	450.1	GROUND ELEVATION	446.0
INVERT ELEVATION	446.5	INVERT ELEVATION	446.6	INVERT ELEVATION	444.0
MAX BOTTOM ELEVATION	441.5	MAX BOTTOM ELEVATION	442.6	MAX BOTTOM ELEVATION	438.5
TRENCH 1-2		TRENCH 2-2		TRENCH 3-2	
LENGTH	47.4 ft	LENGTH	48 ft	LENGTH	48 ft
GROUND ELEVATION	448.1	GROUND ELEVATION	449.0	GROUND ELEVATION	444.6
INVERT ELEVATION	446.1	INVERT ELEVATION	446.5	INVERT ELEVATION	442.6
MAX BOTTOM ELEVATION	440.6	MAX BOTTOM ELEVATION	441.5	MAX BOTTOM ELEVATION	437.1
TRENCH 1-3		TRENCH 2-3			
LENGTH	48 ft	LENGTH	48 ft		
GROUND ELEVATION	446.9	GROUND ELEVATION	446.9		
INVERT ELEVATION	444.9	INVERT ELEVATION	444.9		
MAX BOTTOM ELEVATION	439.4	MAX BOTTOM ELEVATION	439.4		



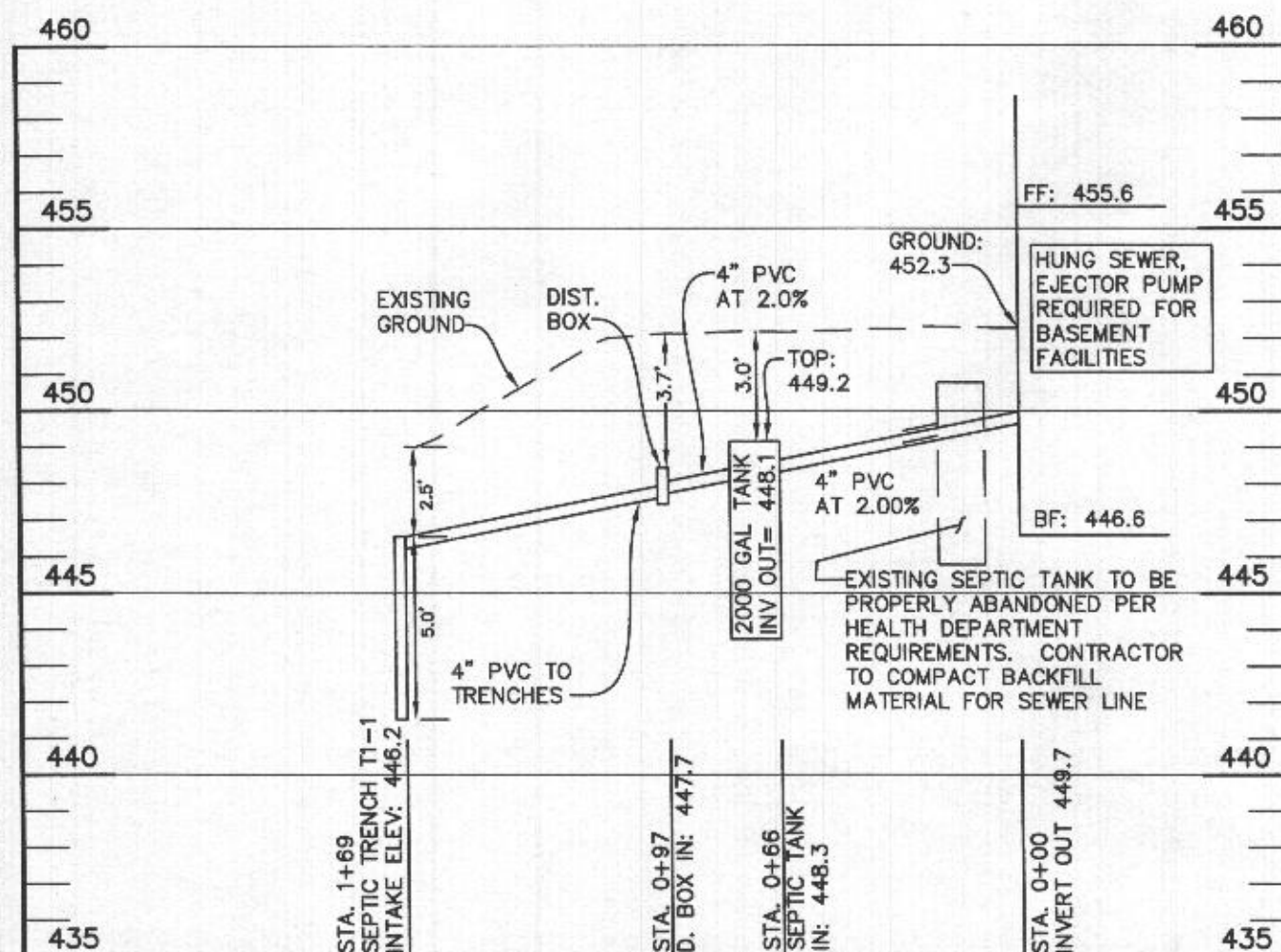
Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 45577, Expiration Date: 06-08-2022.

BENCHMARK
ENGINEERS • LAND SURVEYORS • PLANNERS
8480 BALTIMORE NATIONAL PIKE • SUITE 315
ELLICOTT CITY, MARYLAND 21043
(P) 410-485-6105 • (F) 410-485-6644
WWW.BEJ-CMENGINEERING.COM

BUILDER:
PORTA CONSTRUCTION, INC.
10382 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MD 21042
443-980-1399

OWNER:
SARAH AND VINCENT POMPEY
8224 RESERVOIR ROAD
FULTON, MD 20759

PROJECT: MAUCK FARM ESTATES LOT 2		
LOCATION: 8224 RESERVOIR ROAD, FULTON, MD 20759 TAX MAP: 45 - GRID: 06 - PARCEL: 039 ELECTION DISTRICT NO. 5 - HOWARD COUNTY, MARYLAND TAX ACCOUNT # 05-346096		
TITLE: ON-SITE SEWAGE DISPOSAL SYSTEM (OSDS) DESIGN PLAN		
HOUSE TYPE: POMPEY RESIDENCE		
DATE:	MARCH, 2022	PROJECT NO. 3103
SCALE:	AS SHOWN	DRAWING 2 OF 3



SEWER OUTFALL
HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 5'

SEPTIC INVERT CHART - LOT 2	
INV @ HOUSE	449.7
GROUND @ HOUSE	452.3
INV IN TANK	448.3
INV OUT TANK	448.1
TOP OF TANK	449.2
GROUND OVER TANK	452.2
INV IN DIST BOX	447.8
INV OUT DIST BOX	447.7
GROUND AT DIST BOX	452.1

DESIGN DATA & GENERAL NOTES

- [1] Concrete strength f' = 4,000 p.s.i. @ 28 days. Density = 150 pcf.
- [2] Cement - Portland Type III per ASTM C 150-92.
- [3] Admixtures & plasticizers per ASTM C 266-98 & C 494-92.
- [4] Reinforcing per ASTM A196. Min. 1-1/2" cover.
- [5] Top slab sealed with butyl rope mastic.
- [6] 4" wall, 4" base, & 5" top thickness.
- [7] Max 3" 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. 410.796.1438
www.mayerbrosprecast.com

**2,000 GALLON SEPTIC TANK
2-Compartment**

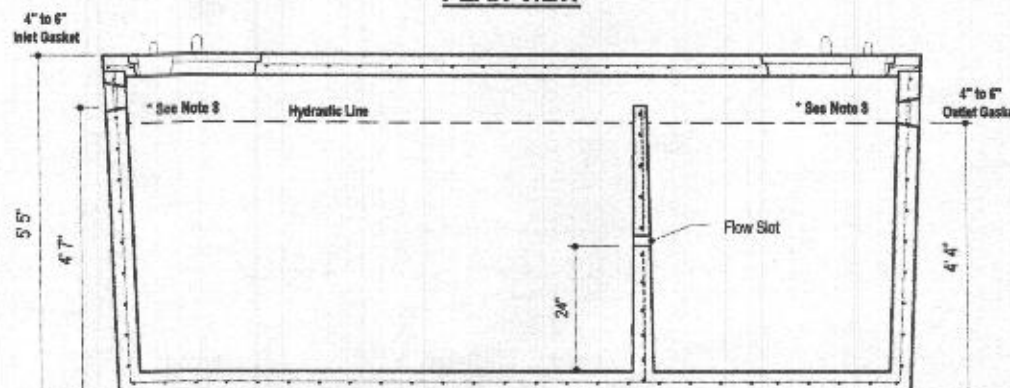
Stock Item [Approx. 19,900 lbs]

Dwg. No. 2000-2C

No Scale

Aug 11, 2008

PLAN VIEW



SECTION A-A

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. 45577, Expiration Date: 06-08-2022.



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PROJECT: **MAUCK FARM ESTATES
LOT 2**

LOCATION: 8224 RESERVOIR ROAD, FULTON, MD 20759
TAX MAP: 45 - GRID: 06 - PARCEL: 039
ELECTION DISTRICT NO. 5 - HOWARD COUNTY, MARYLAND
TAX ACCOUNT # 05-346096

TITLE: **ON-SITE SEWAGE DISPOSAL SYSTEM
(OSDS) DESIGN PLAN**

HOUSE TYPE: **POMPEY RESIDENCE**

DATE: **MARCH, 2022** PROJECT NO. **3103**

SCALE: **AS SHOWN** DRAWING **3** OF **3**

BUILDER:
PORTA CONSTRUCTION, INC.
10382 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MD 21042
443-980-1399

OWNER:
SARAH AND VINCENT POMPEY
8224 RESERVOIR ROAD
FULTON, MD 20759