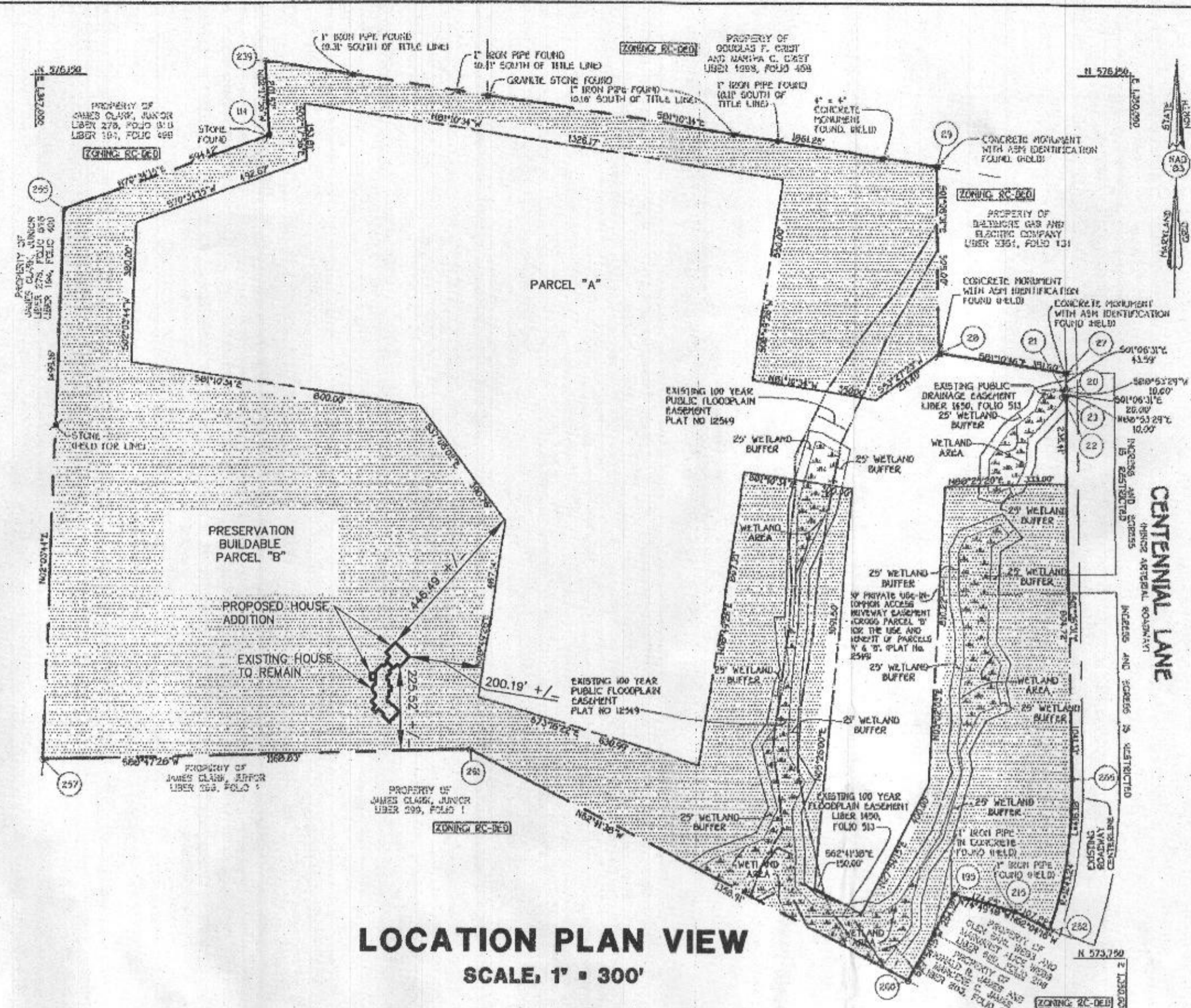
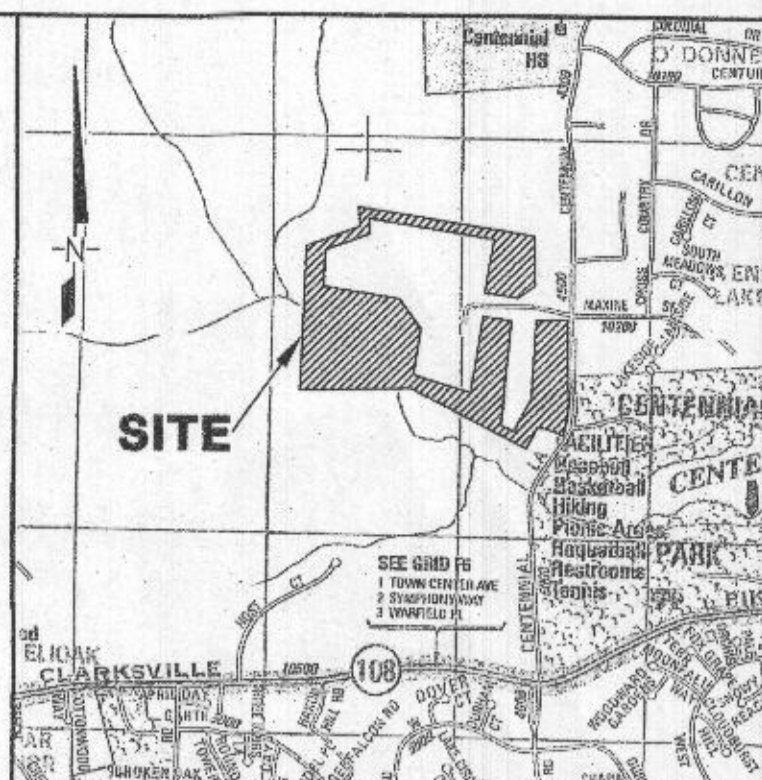


**PLAN VIEW**  
SCALE: 1" = 40'



**LOCATION PLAN VIEW**  
SCALE: 1" = 300'



**VICINITY MAP**  
SCALE: 1" = 2,000'  
ADC MAP: 15, GRID: E1  
Copyright ADC the Map People  
Permitted Use Number 20711191

**GENERAL NOTES:**

1. THIS SITE CONSISTS OF 62.970 ACRES.
2. TAX ACCOUNT NUMBER: 363861
3. EXISTING USE: SINGLE FAMILY DWELLING
4. PROPOSED USE: SINGLE FAMILY DWELLING ADDITION
5. PROPERTY ADDRESS: 4580 CENTENNIAL LANE, ELLICOTT CITY, MD, 21045
6. OWNER: ROBERT SCOTT BERG, USA ANNETTE BERG, 4580 CENTENNIAL LANE, ELLICOTT CITY, MD, 21045, PHONE: 443-339-0658
7. DEVELOPER: ROBERT SCOTT BERG, USA ANNETTE BERG, 4580 CENTENNIAL LANE, ELLICOTT CITY, MD, 21045, PHONE: 443-339-0658
8. NO PROPERTY LINE SURVEY HAS BEEN MADE AT THIS TIME.
9. THE EXISTING UTILITIES HAVE NOT BEEN FIELD VERIFIED AT THE TIME. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN THE LOCATION OF THE EXISTING UTILITIES PRIOR TO COMMENCEMENT OF ANY GRADING ACTIVITY.
10. ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.

**PURPOSE NOTE:**

THE PURPOSE OF THIS PLAN IS TO REVISE THE 10,000 SQUARE FOOT SEPTIC AREA. THIS REVISION IS TO ALLOW FOR THE RELOCATION OF SEPTIC TRENCHES FOR A HOUSE ADDITION TO BE PLACED ON SITE.

**TOPOGRAPHY NOTE:**

THE TOPOGRAPHY SHOWN ON THIS PLAN WAS TAKEN FROM EXISTING APPROVED DRAWINGS ON FILE WITH THE HOWARD COUNTY BUREAU OF ENVIRONMENTAL HEALTH.

**WELL LOCATION NOTE:**

ALL EXISTING WELLS ON THE SUBJECT PROPERTY AND WITHIN 100 FEET OF SUBJECT PROPERTY BOUNDARIES ARE REPRESENTED TO THE BEST OF MY KNOWLEDGE AND BELIEF.

**NOTE:**

THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.

**BOUNDARY AND LOCATION NOTE:**

THE LOT BOUNDARY IS TAKEN FROM THE FINAL PLAT NUMBER 16986. THE HOUSE AND SEPTIC AREA LOCATION ARE TAKEN FROM THE PREVIOUSLY APPROVED SITE DEVELOPMENT PLAN.

**CERTIFICATION OF COMPLIANCE WITH OWNERSHIP WIDTH AND LOT AREA REQUIREMENTS FOR LOTS CREATED AFTER 1985:**

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**"MDE SEWAGE EASEMENT STATEMENT"**

"THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. 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 SEWAGE EASEMENT. RECORDATION OF A REVISED EASEMENT SHALL NOT BE NECESSARY."

**SEPTIC TRENCH DESIGN CALCULATION**

INITIAL TRENCHES  
 $7 \times 150 = 1,312.50 = 437.50$  LINEAR FEET  
 0.80  
 3  
 1ST REPLACEMENT TRENCHES  
 $7 \times 150 = 1,312.50 = 437.50 \times 0.6250 = 273.437$  LINEAR FEET  
 0.80  
 3  
 2ND REPLACEMENT TRENCHES  
 $7 \times 150 = 1,312.50 = 437.50 \times 0.7143 = 312.506$  LINEAR FEET  
 0.80  
 3

**SEPTIC TRENCH INFORMATION**

TRENCH	TRENCH LENGTH	GROUND ELEVATION	INVERT ELEVATION	MAX. BOTTOM ELEVATION
TRENCH 1-1	57 LIN. FT.	400.00	395.00	392.00
TRENCH 1-2	57 LIN. FT.	398.25	394.25	390.25
TRENCH 1-3	57 LIN. FT.	397.75	393.75	389.75
TRENCH 2-1	69 LIN. FT.	400.00	395.00	392.00
TRENCH 2-2	89 LIN. FT.	399.90	394.90	391.90
TRENCH 2-3	69 LIN. FT.	398.00	394.00	390.00
TRENCH 2-4	69 LIN. FT.	397.90	393.90	389.90
TRENCH 3-1	63 LIN. FT.	400.10	396.10	392.10
TRENCH 3-2	63 LIN. FT.	399.25	395.25	391.25
TRENCH 3-3	63 LIN. FT.	398.20	394.20	390.20
TRENCH 3-4	63 LIN. FT.	398.00	394.00	390.00
TRENCH 3-5	63 LIN. FT.	398.00	394.00	390.00

**SEPTIC SYSTEM INFORMATION**

INV. OUT OF HOUSE	401.80
INV. OUT OF SEPTIC TANK	400.65
TOP OF SEPTIC TANK	401.80
GROUND ELEV. OVER SEPTIC TANK	406.00
INV. IN DIST. BOX	400.55
GROUND ELEV. OVER DIST. BOX	404.85

**LEGEND**

- 390 --- Existing Grade
- 390 --- Existing Passing Percolation Test Hole Location (5-17-17)
- 399.9 --- Existing Passing Percolation Test Hole Location (12/18/05)
- 390 --- Existing 1,500 Gallon Septic Tank
- 390 --- Proposed 2,000 Gallon Septic Tank
- 390 --- Existing 1,500 S.F. Well Zone
- 390 --- Existing Well

**Soil Classification:**

- Gbc SOILS: SOIL BOUNDARY LINE
- Gbb SOILS: SOIL CLASSIFICATION
- Gmb SOILS: SOIL CLASSIFICATION

**Other Symbols:**

- REMOVED PRIVATE SEPTIC AREA TO BE ADDED
- EXISTING SEPTIC AREA TO BE REMOVED

**PROFESSIONAL CERTIFICATION**

PROFESSIONAL CERTIFICATION: I, MICHAEL J. WEINER, 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. 23380, EXPIRATION DATE 8-19-18.

Signature: *[Signature]* Date: *7/16/17*

Name: Michael J. Weiner  
 Firm Name: M.A.F. & ASSOCIATES, LLC  
 Address: 526 HOODS MILL ROAD, WOODBINE, MD, 21797

**M.A.F. & ASSOCIATES, LLC**

526 HOODS MILL ROAD  
 WOODBINE, MD, 21797  
 PHONE: 410-552-5541  
 FAX: 410-552-5546

**SHEET 1 of 2**

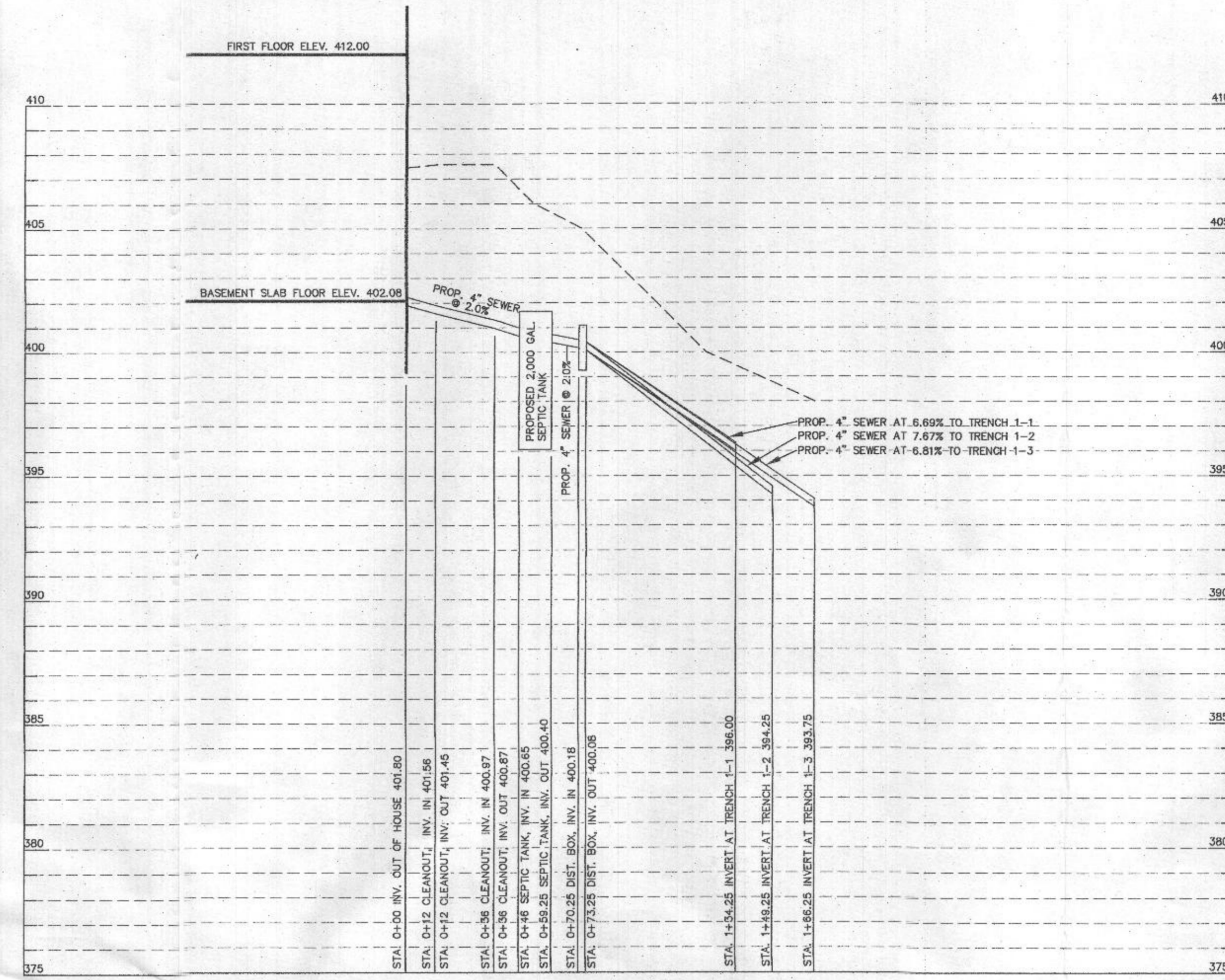
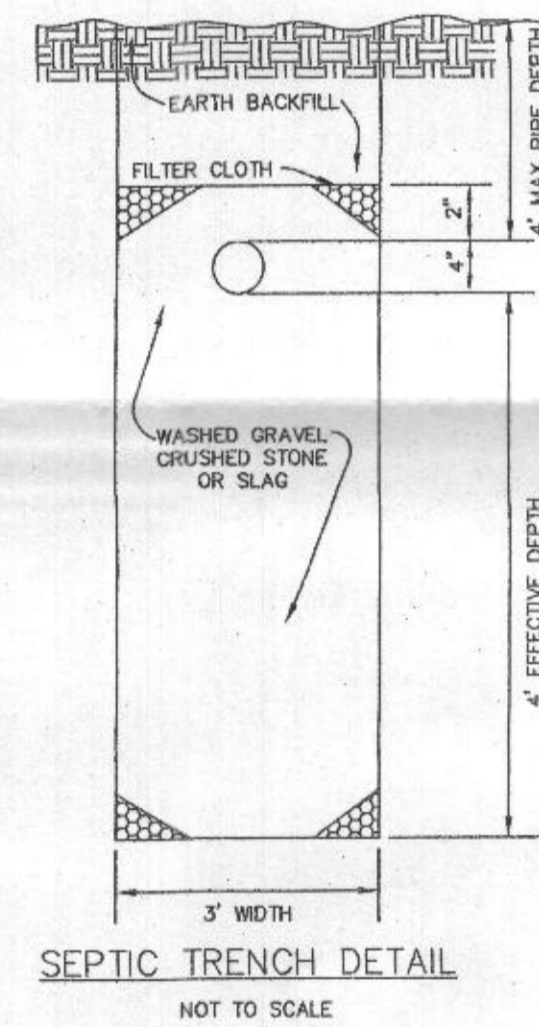
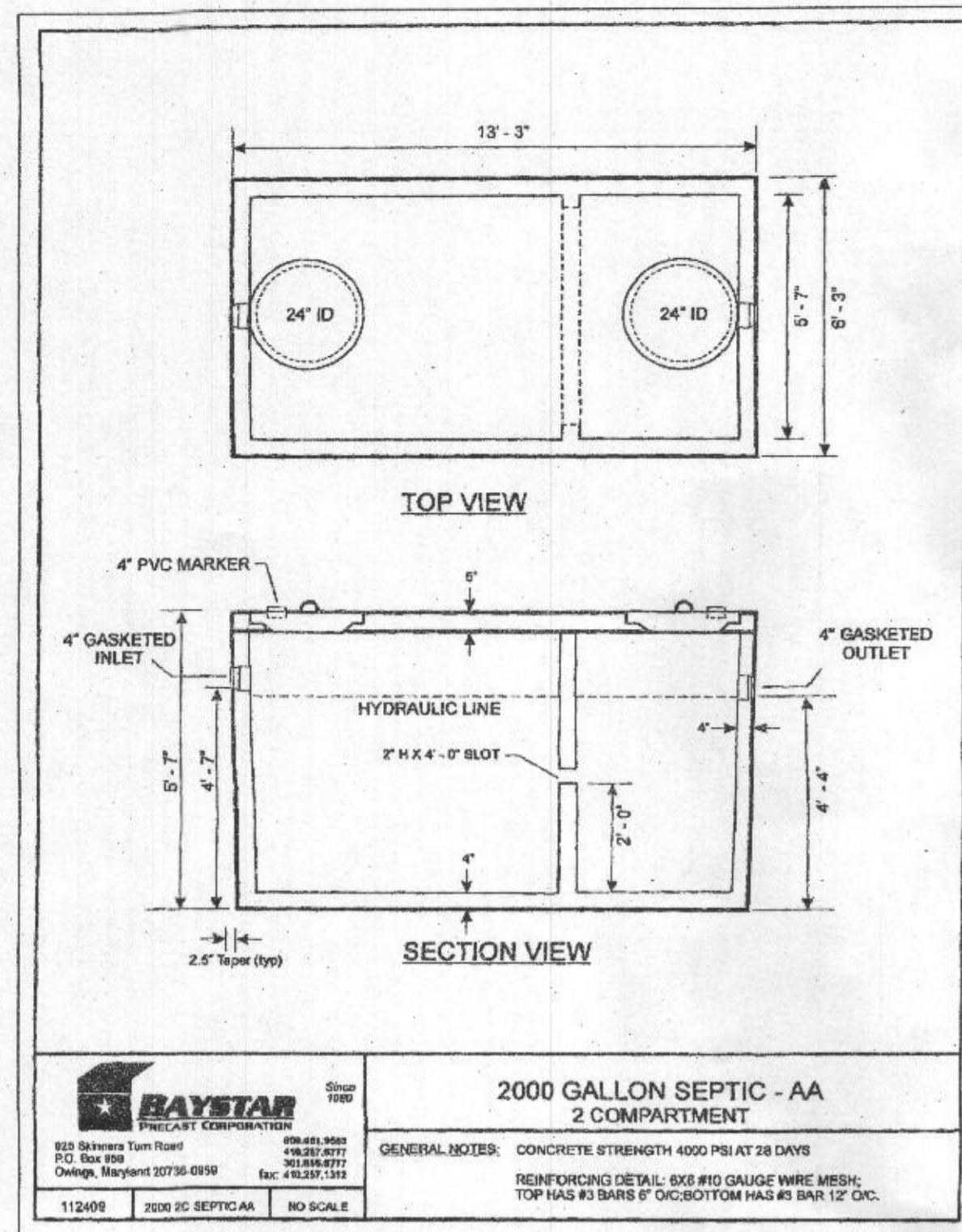
**SEPTIC SYSTEM PLAN**

**BERG RESIDENCE**  
**AT 4580 CENTENNIAL LANE**  
**ELLICOTT CITY MD. 21042**

2ND DISTRICT  
 SCALE: AS SHOWN  
 TAX MAP 30

HOWARD COUNTY, MARYLAND  
 DRAWN ON: JULY 16, 2017  
 PARCEL 001

BLOCK 1  
 ZIP CODE: 21042



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 PHONE: 410-552-5541  
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**SHEET 2 of 2**

**SEPTIC SYSTEM PLAN**

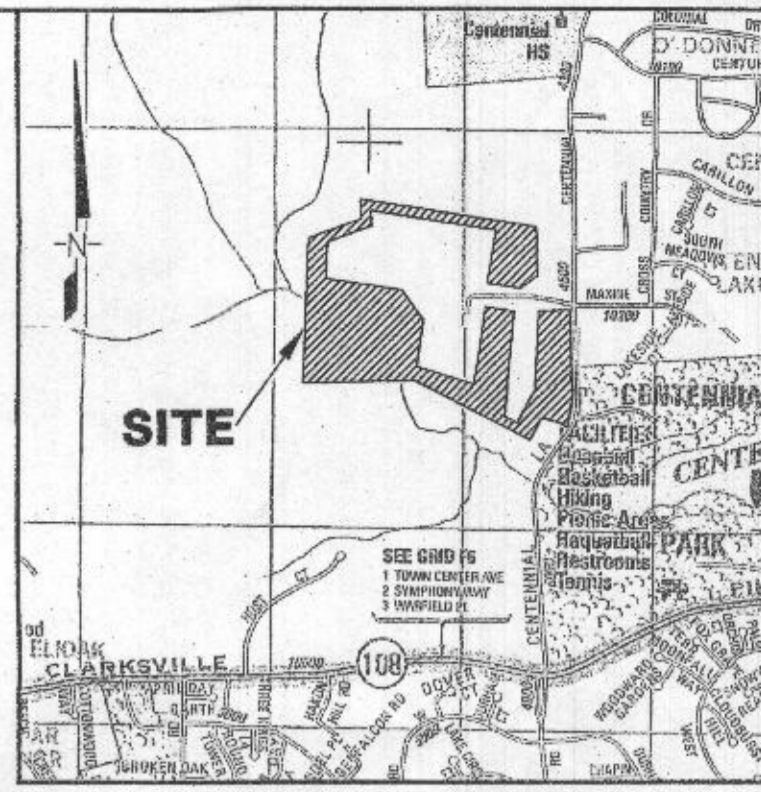
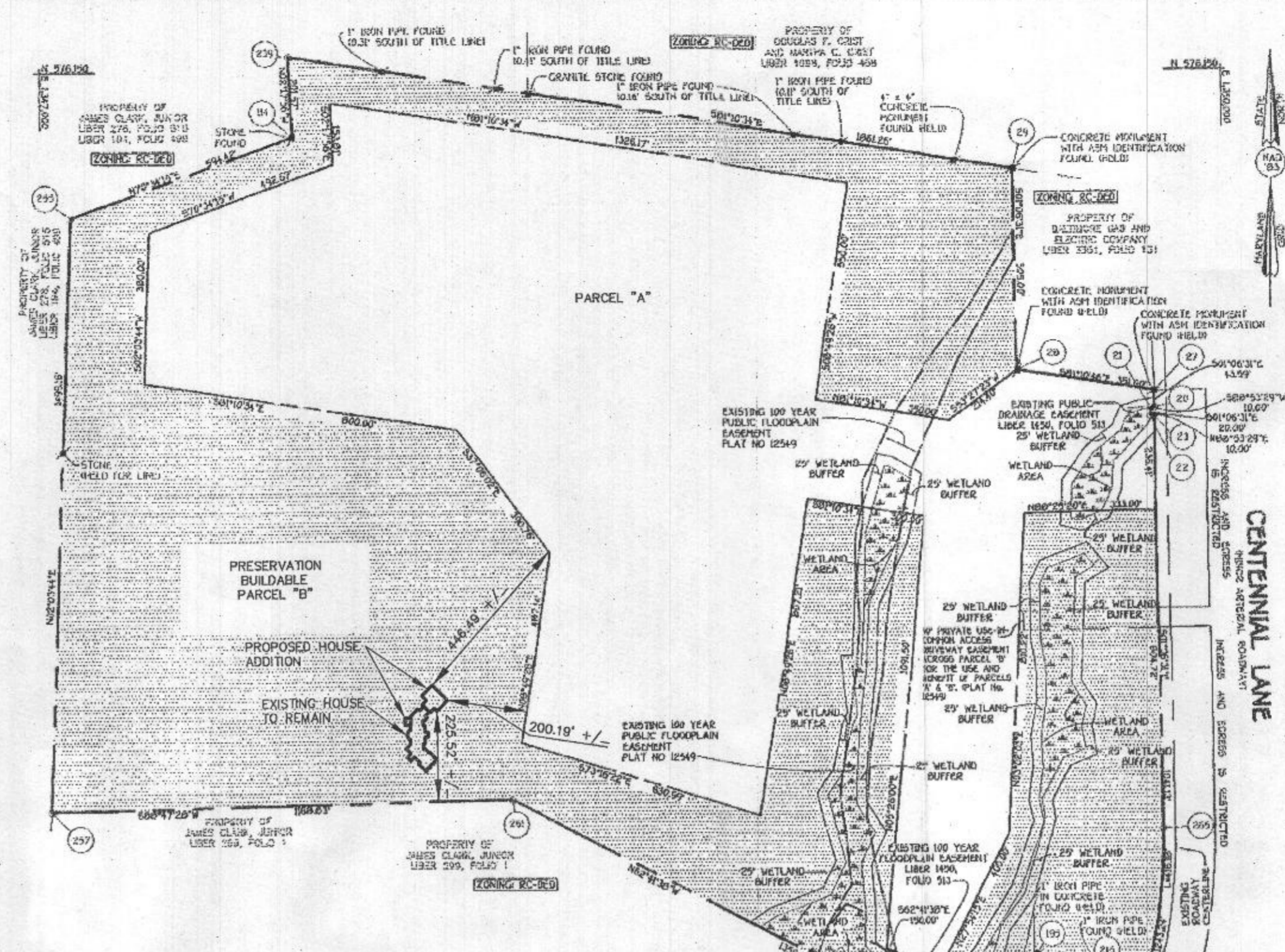
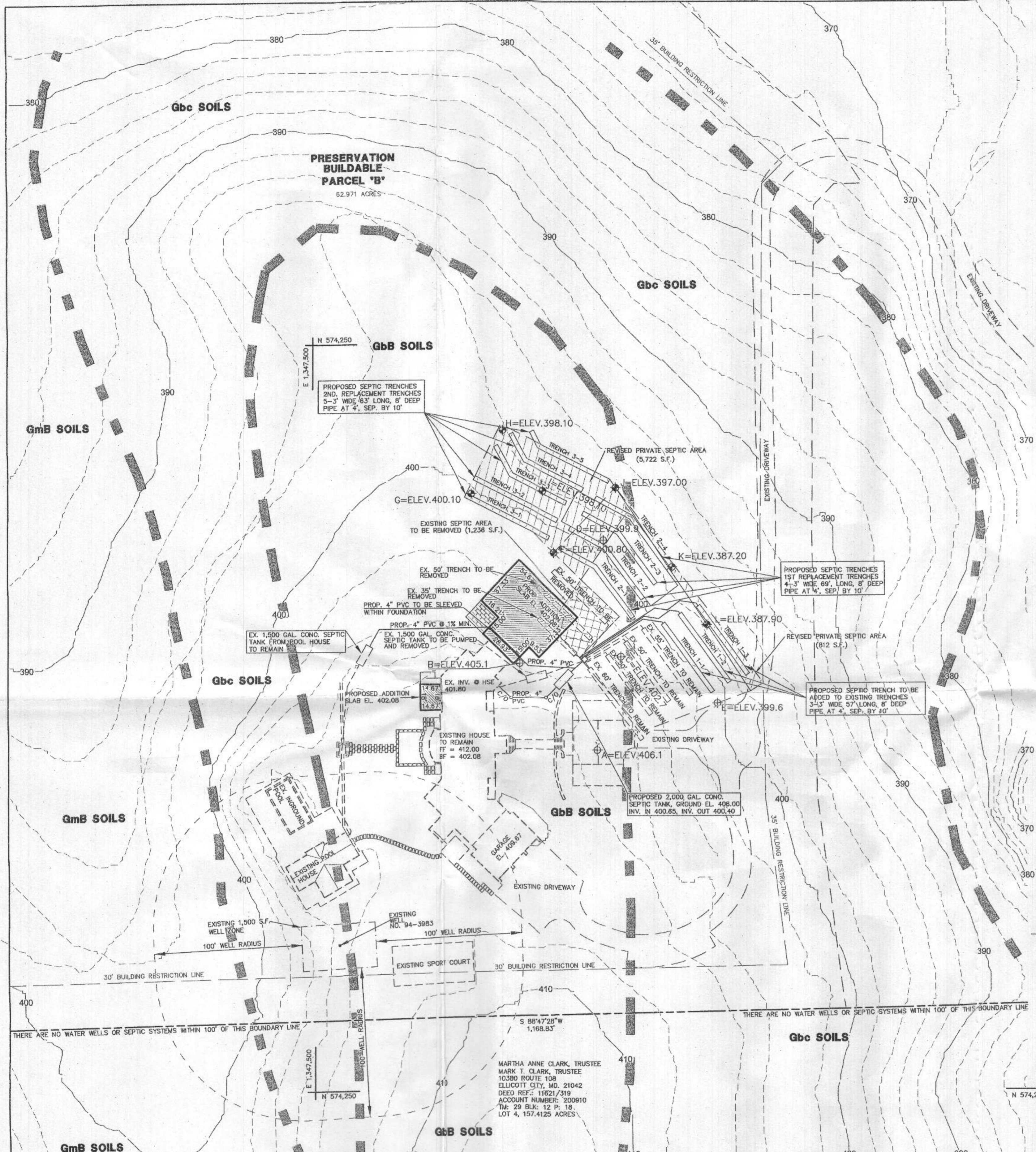
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LISA ANNETTE BERG  
4580 CENTENNIAL LANE  
ELLICOTT CITY, MD. 21045  
PHONE: 443-939-0656
  - DEVELOPER: ROBERT SCOTT BERG  
LISA ANNETTE BERG  
4580 CENTENNIAL LANE  
ELLICOTT CITY, MD. 21045  
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**SHEET 1 of 2**

**SEPTIC SYSTEM PLAN**

**BERG RESIDENCE**  
**AT 4580 CENTENNIAL LANE**  
**ELLICOTT CITY MD. 21042**

2ND DISTRICT  
TAX MAP 30

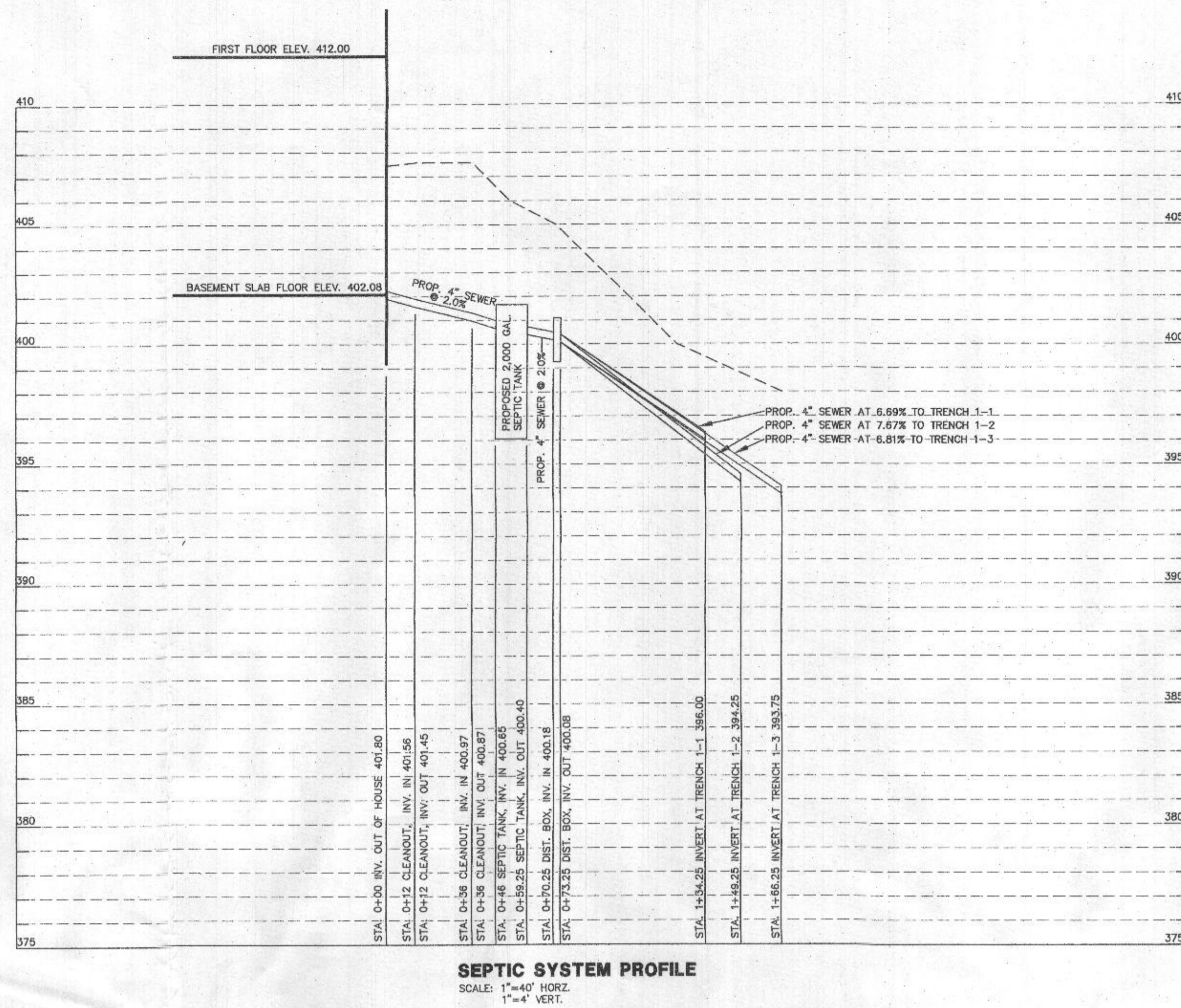
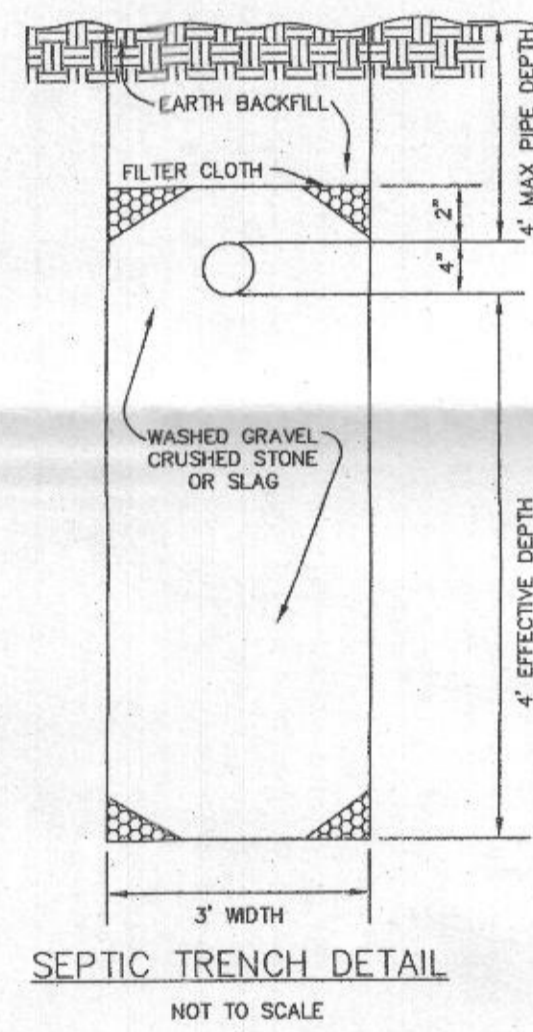
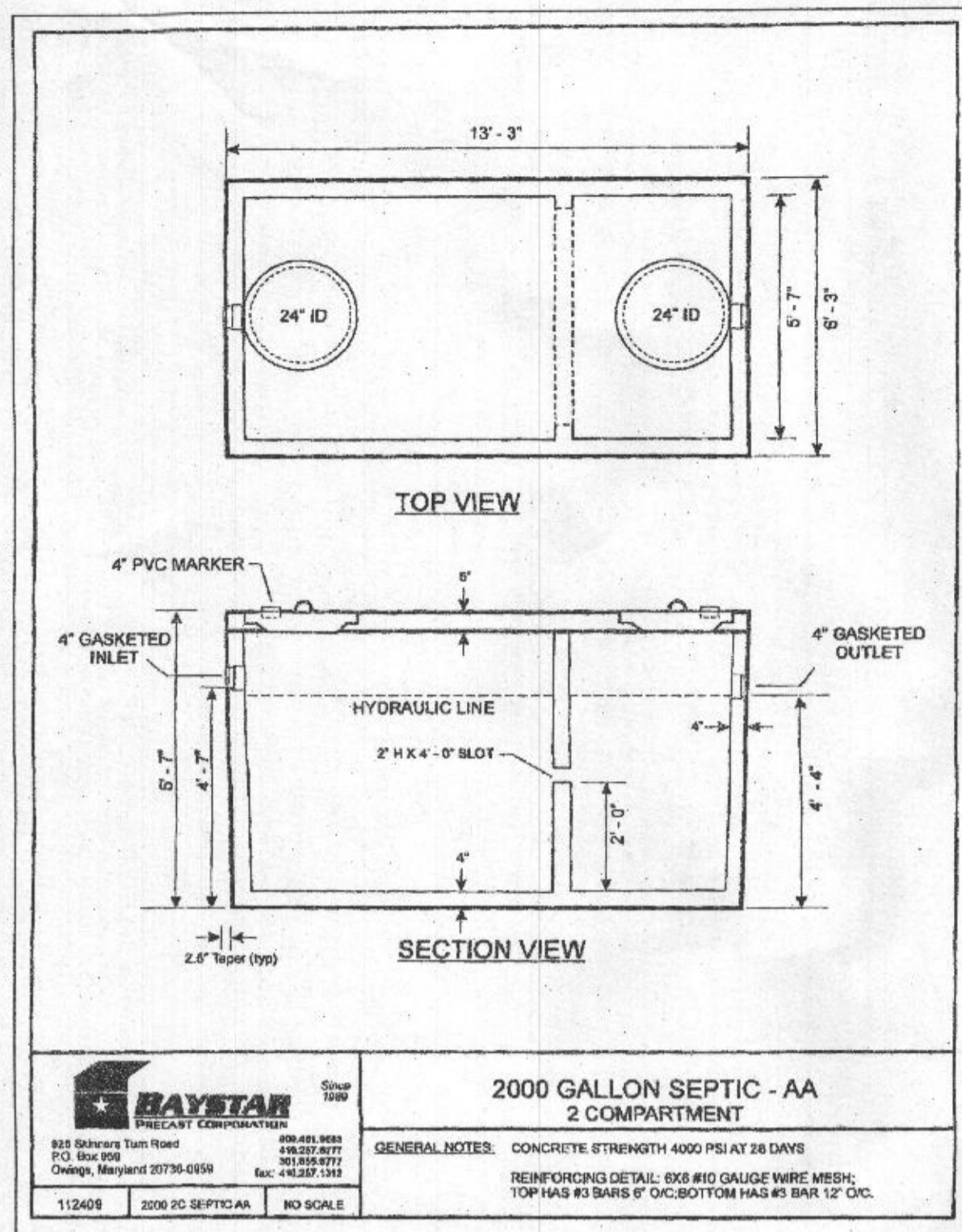
HOWARD COUNTY, MARYLAND  
DRAWN ON: JULY 16, 2017  
BLOCK 1  
PARCEL 001

ZIPCODE: 21042

**M.A.F. & ASSOCIATES, LLC**  
528 HOODS MILL ROAD  
WOODBINE MD. 21797  
PHONE: 410-552-5641  
FAX: 410-552-5646

Signature: *[Signature]*  
Name: Michael J. Werner  
Firm Name: M.A.F. & ASSOCIATES LLC  
Address: 528 HOODS MILL ROAD  
WOODBINE MD. 21797

STATE OF MARYLAND  
MICHAEL J. WERNER  
No. 23380  
PROFESSIONAL ENGINEER  
Date: 7/16/17



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ASSOCIATES, LLC**

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SHEET 2 of 2

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