

**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](http://www.facebook.com/hocohealth)

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

RECEIPT DATE: 2/4/19 **ONSITE SEWAGE DISPOSAL SYSTEM** P 204718  
 APPROVAL DATE: 04/12/2019 **PERMIT: CONSTRUCTION** A \_\_\_\_\_  
 PROPERTY ADDRESS: 13785 Clarksville Pike  
 SUBDIVISION: Bowen Property LOT: \_\_\_\_\_ TAX ID: \_\_\_\_\_  
 CONTRACTOR: Freedom Septic EMAIL: \_\_\_\_\_  
 CONTRACTOR ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_  
 PROPERTY OWNER: Andrew & Colleen Bowen EMAIL: \_\_\_\_\_  
 OWNER ADDRESS: 10700 Home Acres Terrace PHONE: \_\_\_\_\_  
 SEPTIC TANK SIZE (GALLONS): 2000 TANK MANUFACTURER: Mayor Bros Inc. BABYLON  
 PUMP MODEL: N/A PUMP SIZE: N/A PUMP TANK CAPACITY: N/A

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

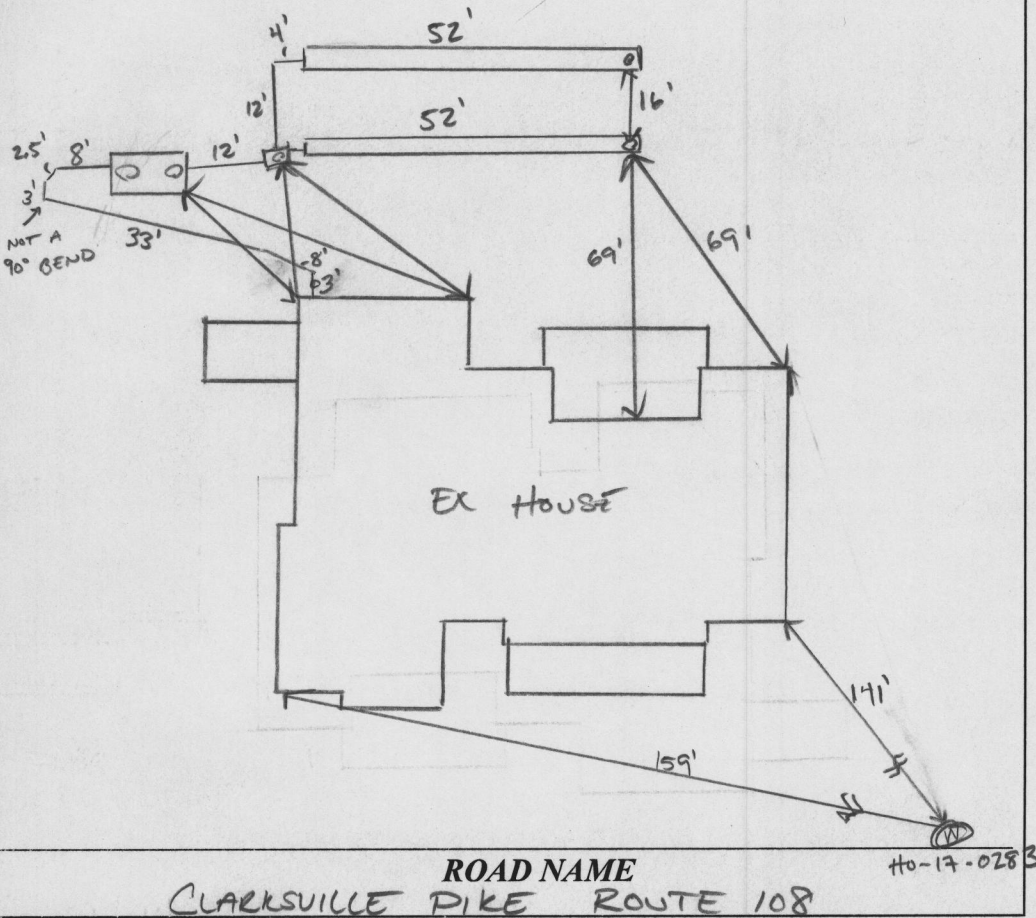
TRENCHES:	LINEAR FEET REQUIRED: <u>104</u>	INLET DEPTH: <u>3</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>8</u> ✓
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>3</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:	<p style="text-align: center;">22 19</p>	

ISSUED BY: Dana Bernard H.O. ISSUE DATE: 2/4/19 EXPIRATION DATE: 2/4/20

- 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
- NOTE:  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



**TRENCH/DRAINFIELD DATA**

WIDTH	INLET	BOTTOM
3'	3'	8'
NUMBER OF TRENCHES		2
TOTAL LENGTH		104'
ABSORPTION AREA		312 ft <sup>2</sup> + SIDE WALL
DISTRIBUTION BOX LEVEL		YES
DISTRIBUTION BOX BAFFLE		YES
DISTRIBUTION BOX PORT		YES

**SEPTIC TANK DATA**

SEPTIC TANK 1 LEVEL	YES
MANUFACTURER	BABYLON
CAPACITY	2000 GAL
SEAM LOC	TOP
TANK LID DEPTH	2.5'-3'
BAFFLES	YES
BAFFLE FILTER	NO
MANHOLE LOC	FRONT/BACK
6" PORT LOC	INLET
WATERTIGHT TEST	NO
SLOTTED	YES
DATE ON LID	3/2/2009
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:**

03/28/2019 SDA AND 15' CL TANK WAS STAKED BY SURVEYOR. PAINTED TWO TRENCHES PER PLAN. PLAN LEAVES ODD 30'.40' SECTION OF SDA. OK TO START. (P)

**INSTALLATION:**

4/11/2019 LOWER TRENCH COMPLETE, TIED INTO D BOX. D BOX SET. TANK SET AND TIED INTO D BOX. TANK OK. SHC INSTALLED AND CONNECTED TO TANK. REINSPECTION. UPPER TRENCH. (P) 4/12/2019 UPPER TRENCH COMPLETE OK TO BACKFILL. (W)

FINAL INSPECTOR

DATE OF APPROVAL

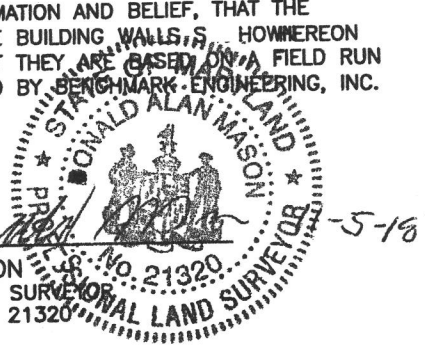
04/12/2019

TOP OF FOUNDATION WALL = 461'  
 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 1-7-2019 AND TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION AND BELIEF, THAT THE DIMENSIONS OF THE BUILDING WALLS, S HOWHEREON ARE CORRECT; THAT THEY ARE BASED ON A FIELD RUN SURVEY PERFORMED BY BENCHMARK ENGINEERING, INC. ON 11/02/2018.

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

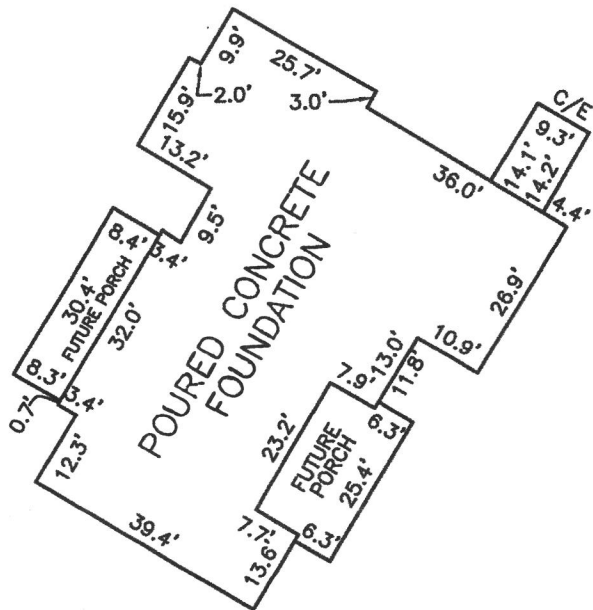


FEMA FIRM No. 24027C0140D  
 ZONE: X  
 DATED: 11/6/2013

**WALL CHECK**

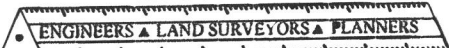
**BOWEN PROPERTY  
 TAX MAP 40 GRID 16  
 PARCEL 109**

13785 CLARKSVILLE PIKE  
 5TH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 SCALE: 1" = 150' DATE: 11/02/2018



**FOUNDATION DETAIL**  
 SCALE: 1" = 30'

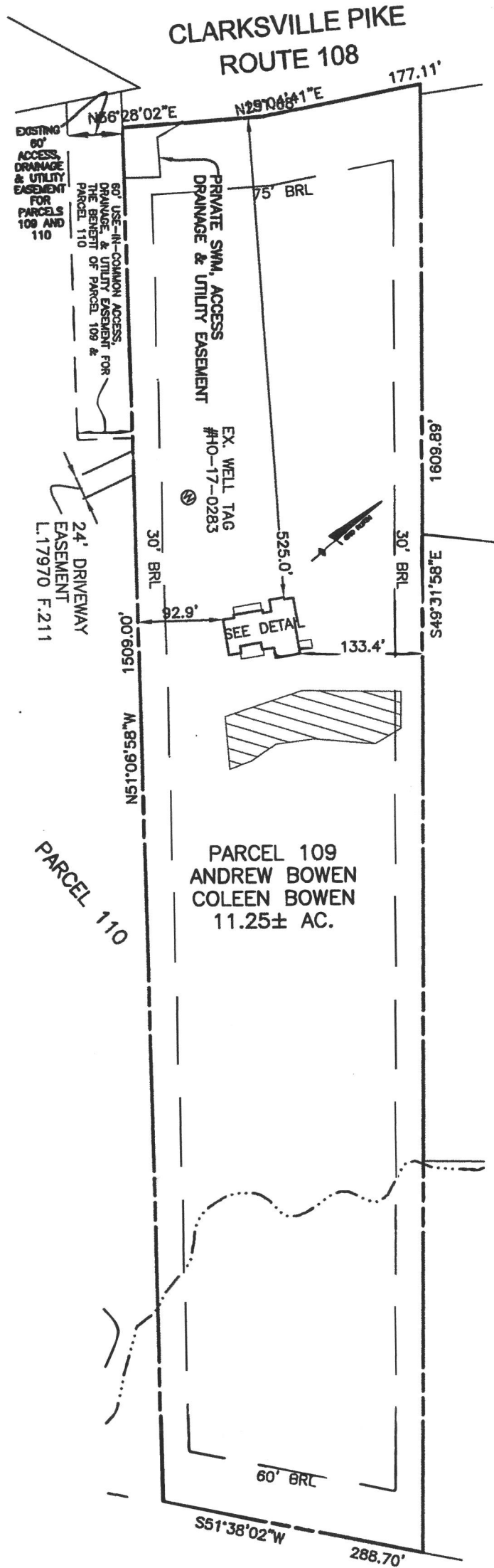
**BENCHMARK**



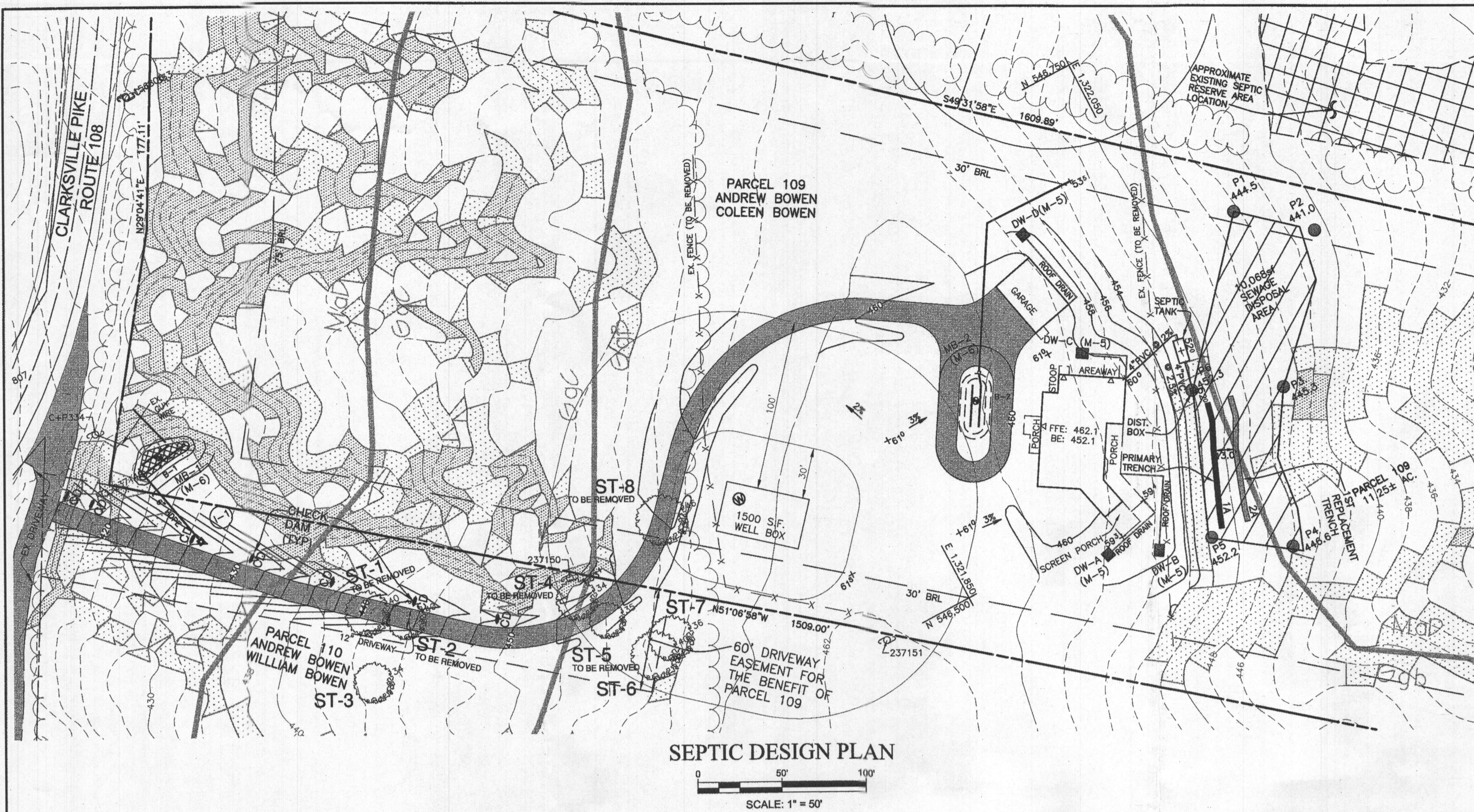
**ENGINEERING, INC.**

8480 BALTIMORE NATIONAL PIKE SUITE 315  
 ELLICOTT CITY, MARYLAND 21043  
 (P) 410-465-8105 (F) 410-465-8644

2/4/19 - Wall  
 Check okay.  
 H.O.



FIELD OBS. BY PHIL  
 COMP. BY EWF  
 DRAWN BY EWF



NOTE: Initial Trench System is located in the area of passing perc. test holes 3 thru 6 in order to utilize the provided 1.2gpd/sf rate

**TRENCH INFORMATION**  
 INITIAL TRENCH LENGTH(1A): 75'  
 GROUND ELEVATION: 451.0  
 INVERT ELEVATION: 448.0  
 MAX. ELEVATION: 443.0  
 1ST REPAIR TRENCH LG(2A): 75'  
 GROUND ELEVATION: 449.2  
 INVERT ELEVATION: 446.2  
 MAX. ELEVATION: 441.2

INITIAL SYSTEM		
Number of Bedrooms	5	
Application Rate	1.2	gpd/sf
Effective Area Beginning Depth	3	ft
Bottom Max Depth	8	ft
Design Flow	750	gpd
Drainage Field square footage	625	sf
Sidewall reduction credit	0.36	
Trench width (W)	3	ft
Effective Area Depth (D)	5	ft
Minimum Trench Separation	13	ft
<b>Linear Length of trench Required</b>	<b>75</b>	<b>lf</b>

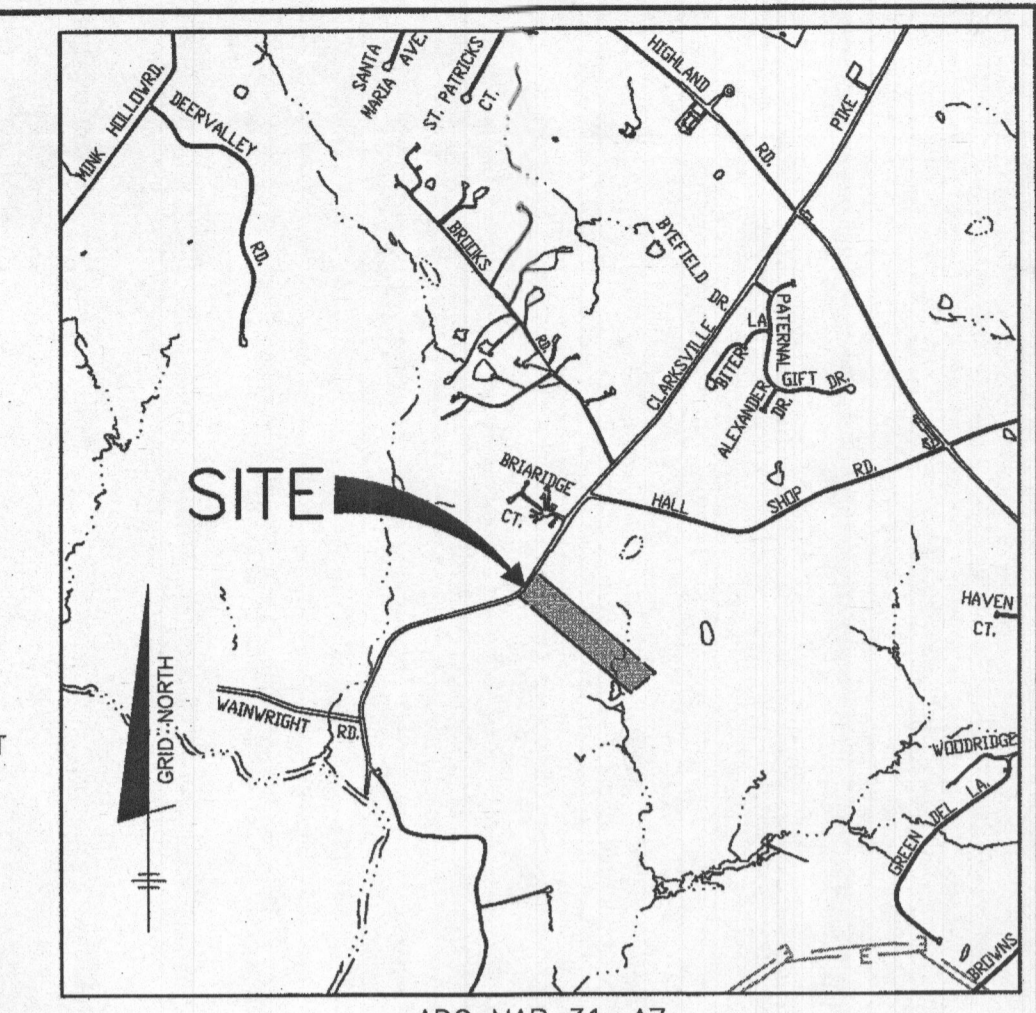
1ST REPAIR SYSTEM		
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Application Rate	1.2	gpd/sf
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Effective Area Depth	5	ft
Minimum Trench Separation	13	ft
<b>Linear Length of trench Required</b>	<b>75</b>	<b>lf</b>

**SEPTIC DATA**

FIRST FLOOR BASEMENT ELEVATION	462.1±
INV. OUT OF HOUSE	452.1±
GRADE @ HOUSE INV.	450.6±
460.0±	
GROUND OVER SEPTIC TANK	452.0±
TOP OF SEPTIC TANK	450.5±
INV. IN TANK	449.7±
INV. OUT SEPTIC TANK	449.4±
GROUND AT DIST BOX	452.0±
INV. INTO DIST. BOX	449.0±
INV. OUT OF DIST BOX	448.9±

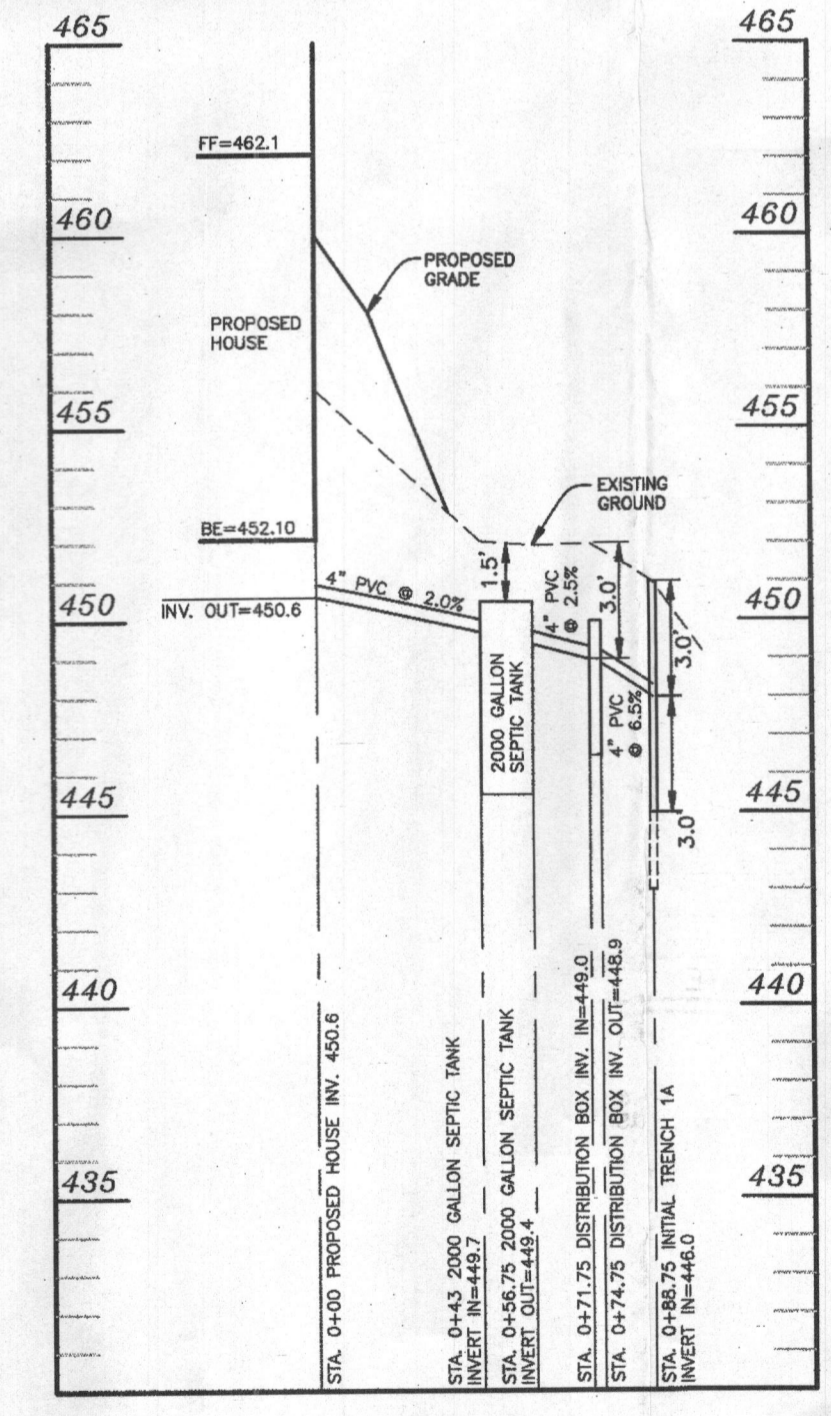
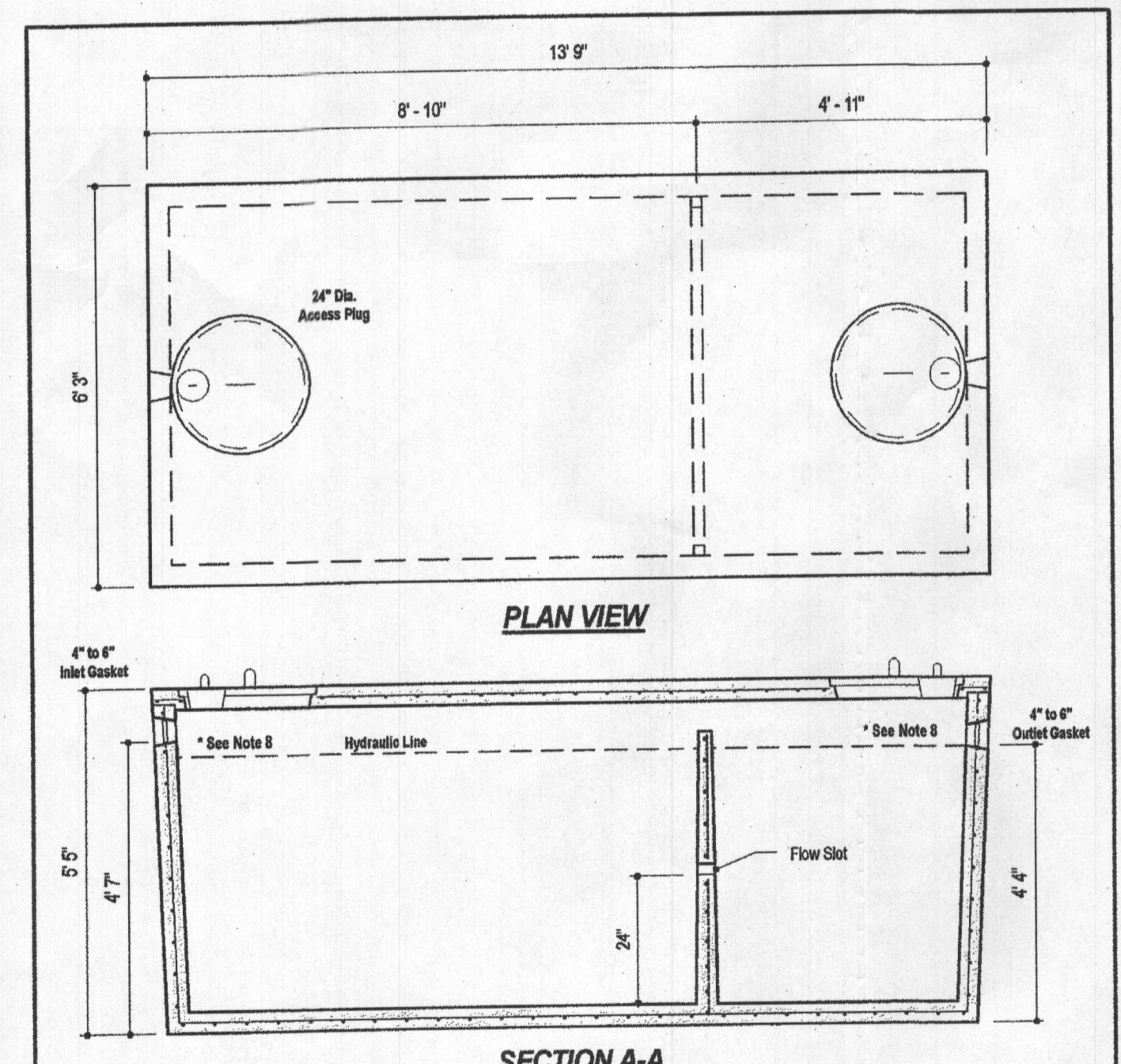
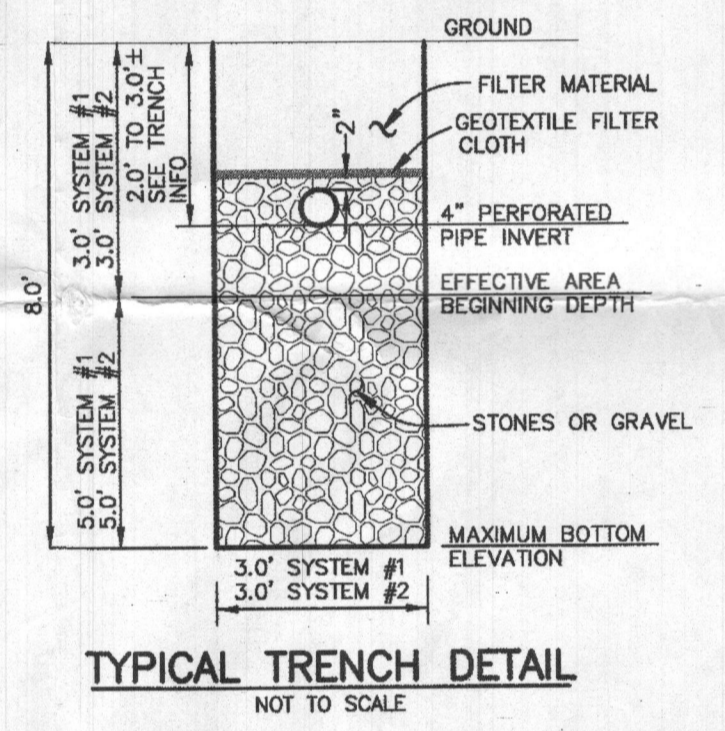
**LEGEND**

- 480 - 478 EXISTING CONTOURS
- PARCEL BOUNDARY
- SEPTIC AREA
- SOILS DELINEATION
- SOILS TYPE
- EXISTING TRENLINE
- LIMIT OF DISTURBANCE
- SLOPES 15% TO 19.9%
- SLOPES >=20%
- PASSING PERCOLATION TEST
- EX. WELL
- PROPOSED WELL
- SWM SOL BORING
- DRY WELL



**GENERAL NOTES**

- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA OF AT LEAST 10,000 S.F. AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWER SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAN SHALL NOT BE REQUIRED.
- TOPOGRAPHY SHOWN WITHIN THE LIMIT OF DISTURBANCE IS BASED ON HOWARD COUNTY GIS, 2 FOOT CONTOURS, AND VERIFIED WITH FIELD RUN TOPOGRAPHY BY BENCHMARK ENGINEERING, INC., IN JULY, 2016.
- 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.
- ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- STORMWATER MANAGEMENT FOR THIS LOT COMPLIES WITH THE "MARYLAND DEPARTMENT OF THE ENVIRONMENT STORMWATER MANAGEMENT ACT OF 2007" AND THE "HOWARD COUNTY DESIGN MANUAL VOLUME 1, CHAPTER 5". STORMWATER MANAGEMENT IS PROVIDED BY NON-ROOFTOP DISCONNECTION (N-2), TWO (M-6) MICRO BIO-RETENTIONS AND FOUR (M-5) DRY WELLS. THEY ARE PRIVATELY OWNED AND PRIVATELY MAINTAINED.
- A DECLARATION OF INTENT FOR SINGLE FAMILY RESIDENTIAL LOT EXEMPTION (CLEARING LESS THAN 20,000 SQUARE FEET OF FOREST) SHALL BE FILED WITH DPZ.
- PROPOSED LIMIT OF DISTURBANCE: 1.53 AC. ONSITE, 0.32 AC OFFSITE
- FOREST STAND DELINEATION HAS BEEN PERFORMED BY BENCHMARK ENGINEERING, INC. IN FEBRUARY, 2017, AND IS PROVIDED AS PART OF THE SIMPLIFIED ENVIRONMENTAL CONCEPT PLAN SUBMISSION.
- SPECIMEN TREES HAVE BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. AND ARE DEPICTED ON THIS PLAN.
- THE EXISTING WELL SHOWN (TAG #HO-17-...) SHOWN ON THIS PLAN HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. 1 MONTH, YEAR AND IS ACCURATELY SHOWN.
- EXACT LENGTH OF SEPTIC TRENCHES IS TO BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF TRENCH LAYOUT AND INSPECTION.
- 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 SITE PLAN MAY BE REQUIRED.
- THE MAXIMUM EARTH COVER OVER THE SEPTIC TANK IS 3 FEET. GREATER EARTH COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.



**DESIGN DATA & GENERAL NOTES**

- Concrete strength Form 100 p.s.f. @ 28 days. Density = 150 pcf.
- Concrete - Portland Type III per ASTM C 150-82.
- Admixtures & plasticizers per ASTM C 260-82 & C 494-82.
- Reinforcing per ASTM A 618. Min. 1/4\"/>

2,000 GALLON SEPTIC TANK  
 2-Compartment  
 Stock Item [Approx. 19,500 lbs]

*Change calculation  
 Sidewall # is incorrect*

**SOILS LEGEND**

SYMBOL	TYPE	K* FACTOR	NAME
GgB	B	.28	GLENELG LOAM, 3 TO 8 PERCENT SLOPES
GgC	B	.28	GLENELG LOAM, 8 TO 15 PERCENT SLOPES
MoD	B	.32**	MANOR LOAM, 15 TO 25 PERCENT SLOPES

\* INDICATES HYDRIC SOILS  
 \*\* HIGHLY ERODIBLE, K<0.35, AND/OR 15% OR GREATER SLOPES  
 TAKEN FROM THE NRCS WEB SOIL SURVEY, MARCH 2016. PAGE 22

*1st Submitted ODS Plan*

NO.	DATE	REVISION

**BENCHMARK ENGINEERS & LAND SURVEYORS & PLANNERS**  
**ENGINEERING, INC.**  
 8480 BALTIMORE NATIONAL PIKE & SUITE 315 & ELLIOTT CITY, MARYLAND 20743  
 (P) 410-462-8105 (F) 410-462-8644  
 WWW.BE-CVLENGINEERING.COM

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: 6-8-18.

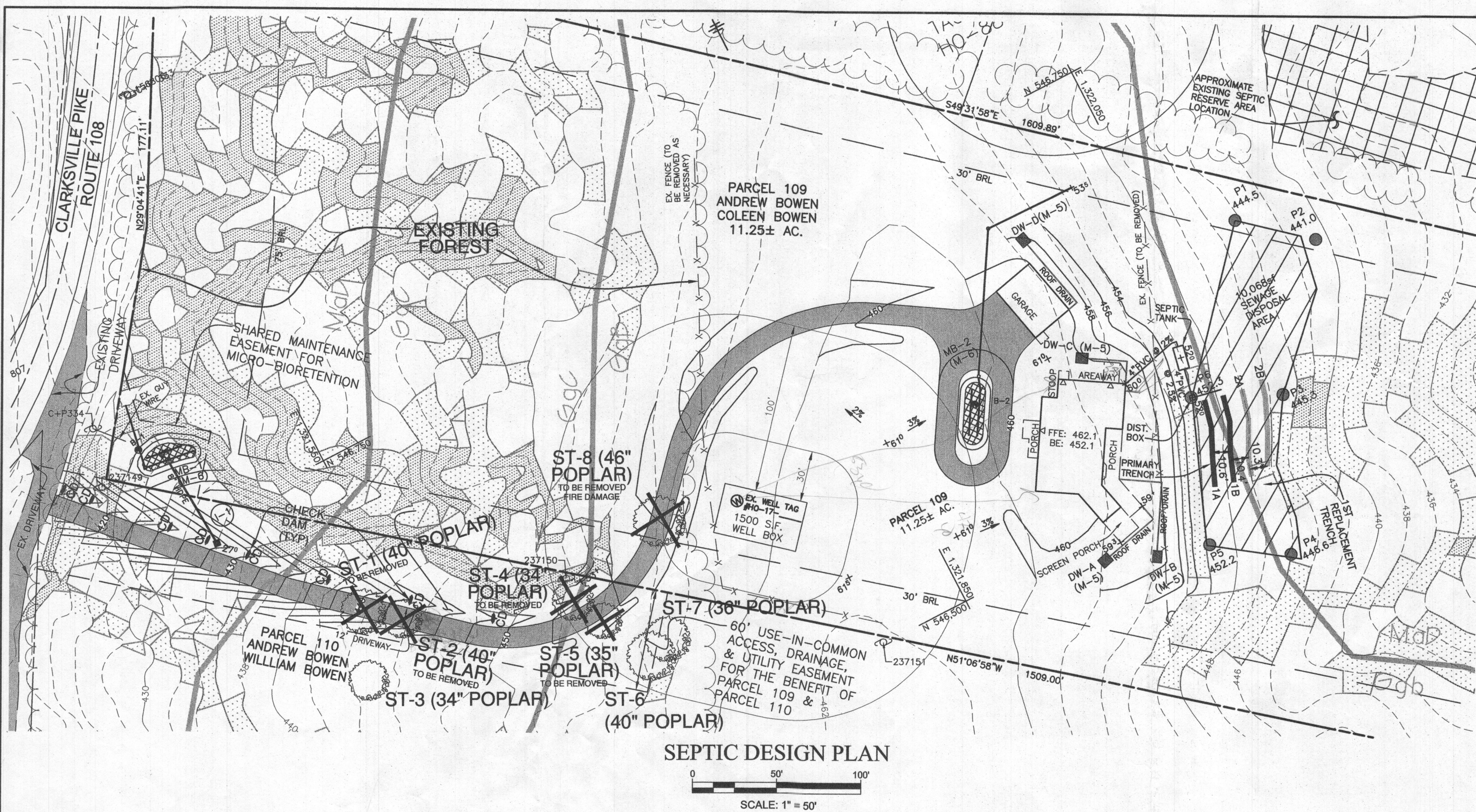
OWNER/DEVELOPER: ANDREW E. & COLEEN E. BOWEN  
 10700 HOME ACRES TERRACE BELTSVILLE, MD 20705 301-237-9475

PROJECT: **BOWEN PROPERTY**

LOCATION: TAX MAP 40, GRID 16, PARCEL 109  
 5th ELECTION DISTRICT  
 SE ROUTE 108, HIGHLAND HOWARD COUNTY, MARYLAND 20777  
 TAX ACCOUNT I.D. #357425

TITLE: **ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN**

DATE: MARCH 17, 2017 PROJECT NO. 2754  
 DRAFT: MCR DESIGN: AAM CHECK: JMC SCALE: AS SHOWN SHEET 1 OF 1



SEPTIC DESIGN PLAN  
SCALE: 1" = 50'

NOTE: Initial Trench System is located in the area of passing perc. test holes 3 & 5 in order to utilize the provided 1.2gpd/sf rate

TRENCH INFORMATION

- INITIAL TRENCH LG(1A): 52' GROUND ELEVATION: 449.0 INVERT ELEVATION: 448.0 MAX. ELEVATION: 443.0
- INITIAL TRENCH LG(1B): 52' GROUND ELEVATION: 449.8 INVERT ELEVATION: 448.8 MAX. ELEVATION: 441.8
- 1ST REPAIR TRENCH LG(2A): 52' GROUND ELEVATION: 448.0 INVERT ELEVATION: 445.0 MAX. ELEVATION: 440.0
- 1ST REPAIR TRENCH LG(2A): 52' GROUND ELEVATION: 448.2 INVERT ELEVATION: 443.2 MAX. ELEVATION: 438.2

INITIAL SYSTEM		
Number of Bedrooms	5	
Application Rate	1.2	gpd/sf
Effective Area Beginning Depth	5	ft
Bottom Max Depth	8	ft
Design Flow	750	gpd
Drainage Field square footage	625	sf
Sidewall reduction credit	0.50	
Trench width (W)	3	ft
Effective Area Depth (D)	3	ft
Minimum Trench Separation	10	ft MIN
Linear Length of trench Required	104	lf

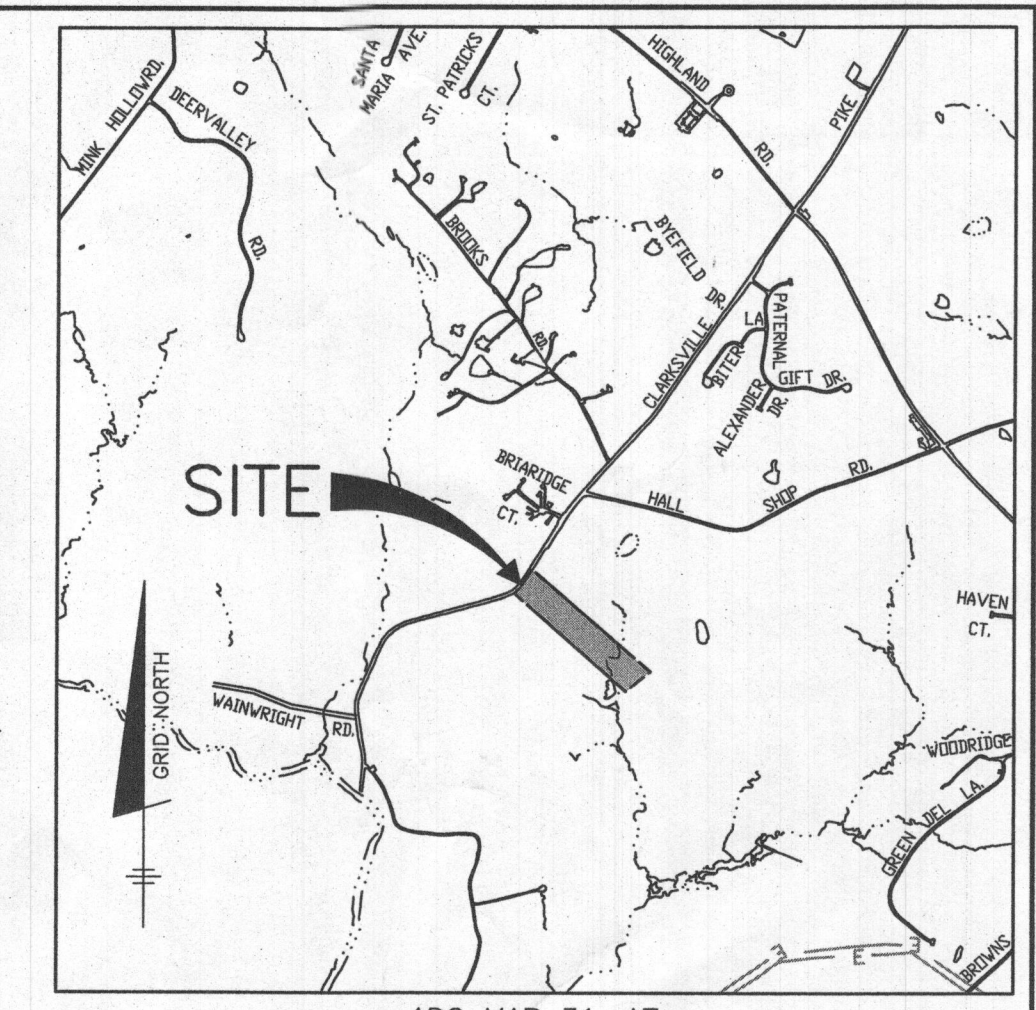
1ST REPAIR SYSTEM		
Number of Bedrooms	5	
Application Rate	1.2	gpd/sf
Effective Area Beginning Depth	5	ft
Bottom Max Depth	8	ft
Design Flow	750	gpd
Drainage Field square footage	625	sf
Sidewall reduction credit	0.50	
Trench width (W)	3	ft
Effective Area Depth (D)	3	ft
Minimum Trench Separation	10	ft MIN
Linear Length of trench Required	104	lf

SEPTIC DATA

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- INV. OUT OF HOUSE: 452.1±
- GRADE @ HOUSE INV.: 450.6±
- 460.0±
- GROUND OVER SEPTIC TANK: 452.0±
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- INV. IN TANK: 449.7±
- INV. OUT SEPTIC TANK: 449.4±
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LEGEND

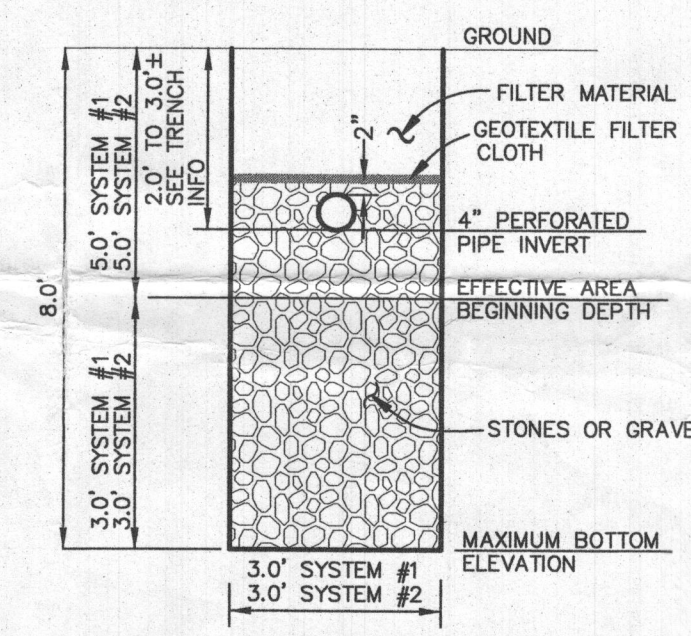
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- PARCEL BOUNDARY
- SEPTIC AREA
- SOILS DELINEATION
- SOILS TYPE
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- SLOPES >=20%
- PASSING PERCOLATION TEST
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- DRY WELL



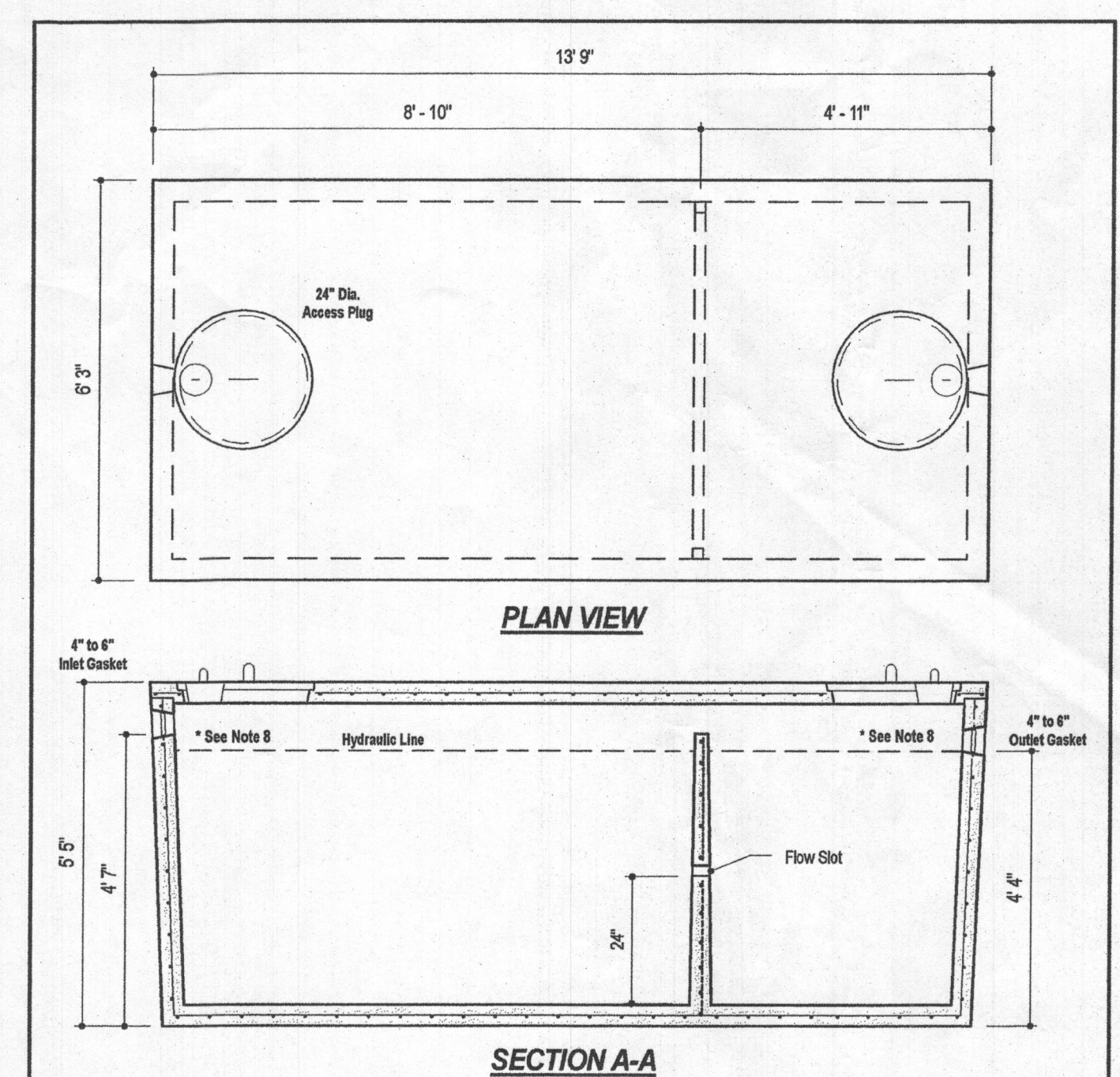
ADC MAP 31, A7  
VICINITY MAP  
SCALE: 1" = 200'

GENERAL NOTES

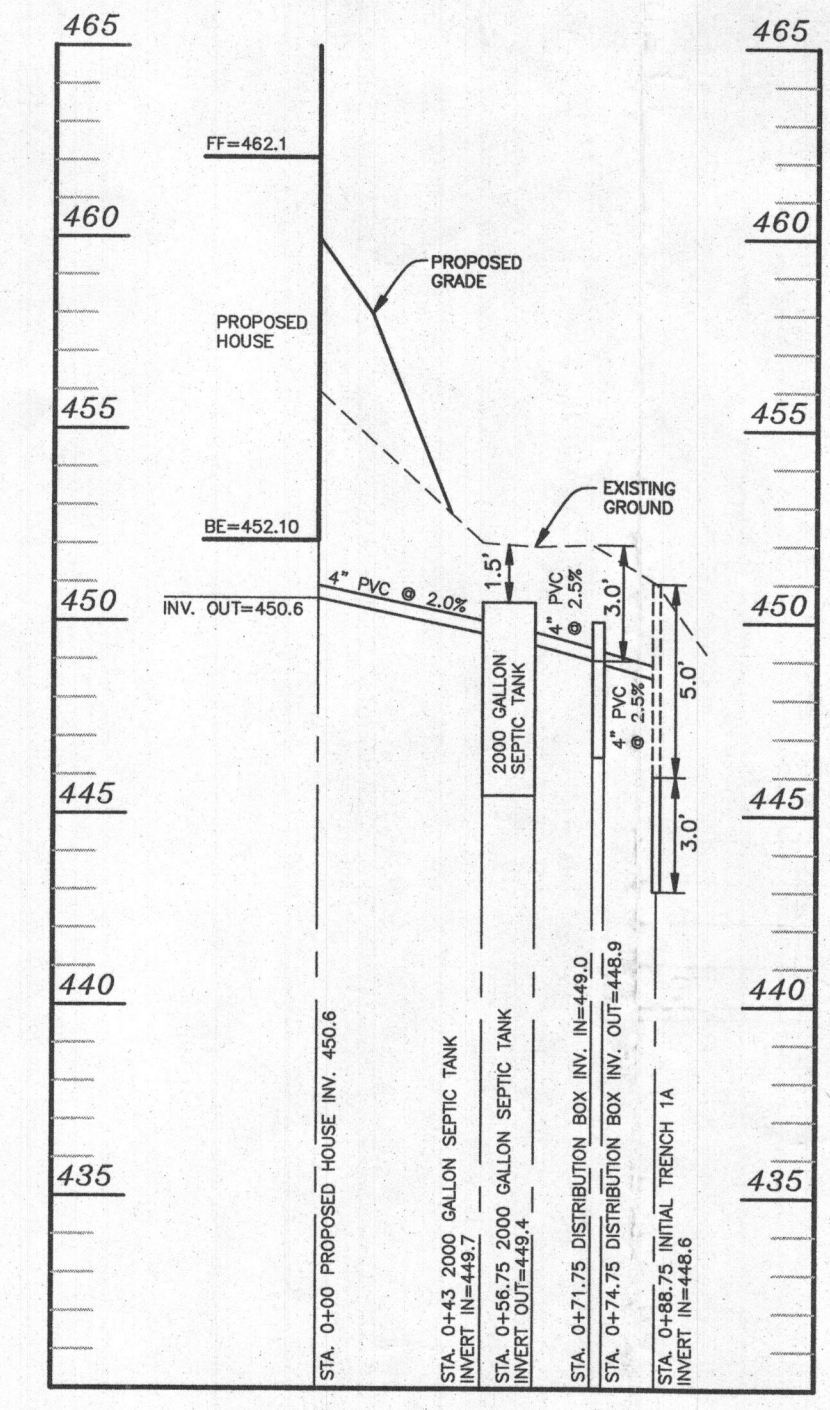
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- A DECLARATION OF INTENT FOR SINGLE FAMILY RESIDENTIAL LOT EXEMPTION (CLEARING LESS THAN 20,000 SQUARE FEET OF FOREST) SHALL BE FILED WITH DPZ.
- PROPERTY ACREAGE: ±11.25 AC., ZONED RR-DEO
- PROPOSED LIMIT OF DISTURBANCE: 1.53 AC. ONSITE, 0.32 AC OFFSITE
- FOREST STAND DELINEATION HAS BEEN PERFORMED BY BENCHMARK ENGINEERING, INC. IN FEBRUARY, 2017, AND IS PROVIDED AS PART OF THE SIMPLIFIED ENVIRONMENTAL CONCEPT PLAN SUBMISSION.
- SPECIMEN TREES HAVE BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. AND ARE DEPICTED ON THIS PLAN.
- THE EXISTING WELL SHOWN (TAG #10-17) SHOWN ON THIS PLAN HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. IN 2017 AND IS ACCURATELY SHOWN.
- EXACT LENGTH OF SEPTIC TRENCHES IS TO BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF TRENCH LAYOUT AND INSPECTION.
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- THE MAXIMUM EARTH COVER OVER THE SEPTIC TANK IS 3 FEET. GREATER EARTH COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.



TYPICAL TRENCH DETAIL  
NOT TO SCALE



DESIGN DATA & GENERAL NOTES  
 [1] Concrete strength Fc=4000 p.s.i. @ 28 days. Density = 150 pcf.  
 [2] Cement - Portland Type III per ASTM C 150-02.  
 [3] Admixtures & plasticizers per ASTM C 260-02 & C 494-02.  
 [4] Reinforcing per ASTM A 955. Min. 1-1/2" cover.  
 [5] Top slab finished with heavy type mastic.  
 [6] 4" wall, 4" base, & 8" top thickness.  
 [7] Max 3" of cover.  
 [8] Depending on use of tank, inlet & outlet baffles may be required by code.



SEPTIC PROFILE  
VERTICAL SCALE: 1" = 5'  
HORIZONTAL SCALE: 1" = 50'

Approved Septic System Plan  
 Howard County Health Department  
 Dana Beard 4-28-17  
 Signature Date

SOILS LEGEND			
SYMBOL	TYPE	% FACTOR	NAME
GgB	B	.28	GLENELG LOAM, 3 TO 8 PERCENT SLOPES
GgC	B	.28	GLENELG LOAM, 8 TO 15 PERCENT SLOPES
MaD	B	.32**	MANOR LOAM, 15 TO 25 PERCENT SLOPES

\* INDICATES HYDRIC SOILS  
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 TAKEN FROM THE NRCS WEB SOIL SURVEY, MARCH 2016. PAGE 22

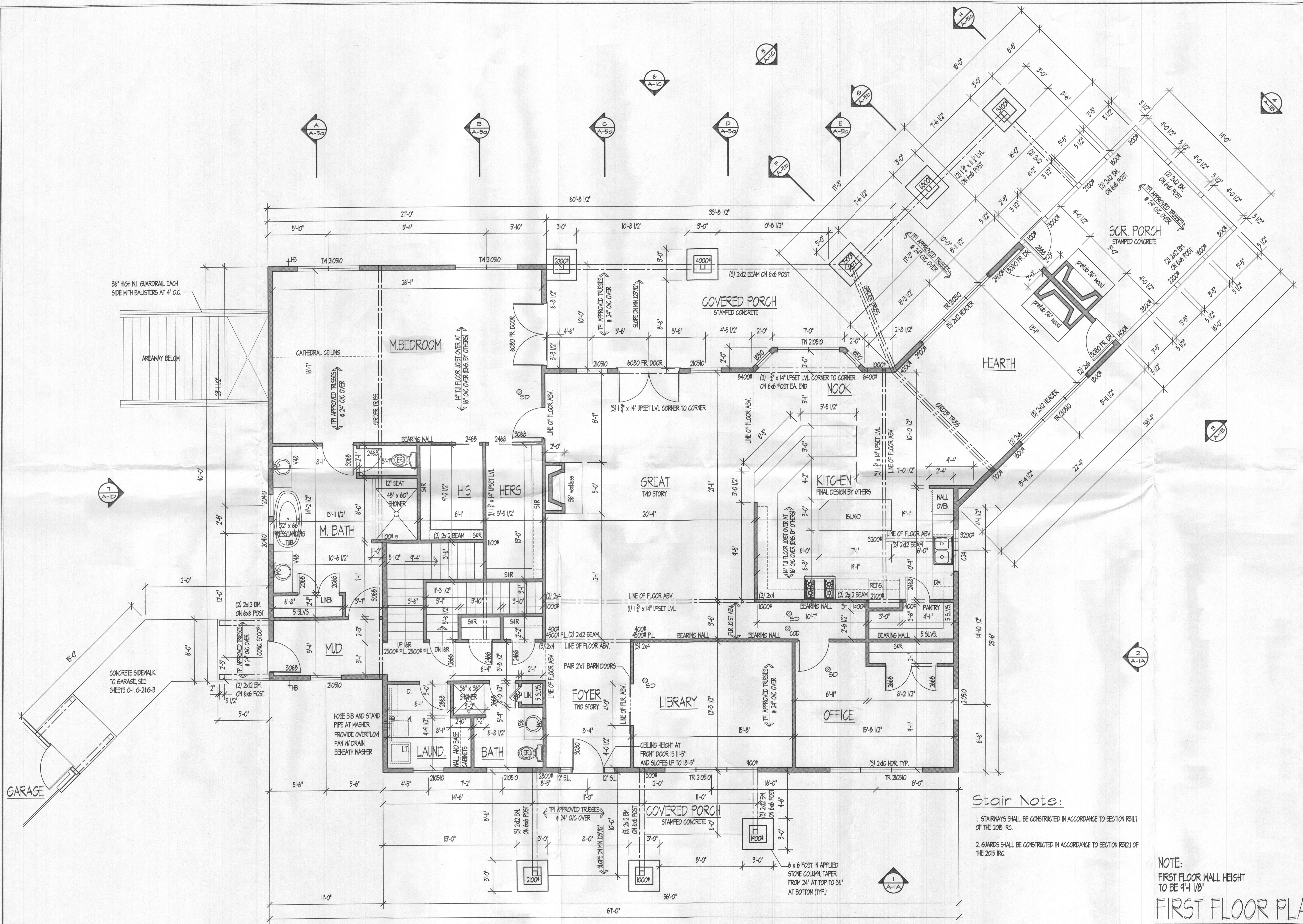
NO.	DATE	REVISION

**BENCHMARK ENGINEERING, INC.**  
 ENGINEERS & LAND SURVEYORS & PLANNERS  
 8480 BALTIMORE NATIONAL PIKE & SUITE 315 • ELLICOTT CITY, MARYLAND 21043  
 (P) 410-485-8105 (F) 410-485-8644  
 WWW.BED-ENR.COM

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: 6-8-18.

OWNER/DEVELOPER: <b>ANDREW E. &amp; COLEEN E. BOWEN</b> 10700 HOME ACRES TERRACE BELTSVILLE, MD 20705 301-237-9475	PROJECT: <b>BOWEN PROPERTY</b>
LOCATION: TAX MAP 40, GRID 16, PARCEL 109 5th ELECTION DISTRICT SE ROUTE 108, HIGHLAND HOWARD COUNTY, MARYLAND 20777 TAX ACCOUNT I.D. #367425	TITLE: <b>ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN</b>
DATE: APRIL 10, 2017	PROJECT NO. 2754
DRAFT: MCR DESIGN: AAM CHECK: JMC	SCALE: AS SHOWN SHEET 1 OF 1





**Stair Note:**

1. STAIRWAYS SHALL BE CONSTRUCTED IN ACCORDANCE TO SECTION R301.7 OF THE 2015 IRC.
2. GUARDS SHALL BE CONSTRUCTED IN ACCORDANCE TO SECTION R302.1 OF THE 2015 IRC.

**NOTE:**  
FIRST FLOOR WALL HEIGHT  
TO BE 9'-1 1/8"

**FIRST FLOOR PLAN**

SCALE: 1/4"=1'-0"



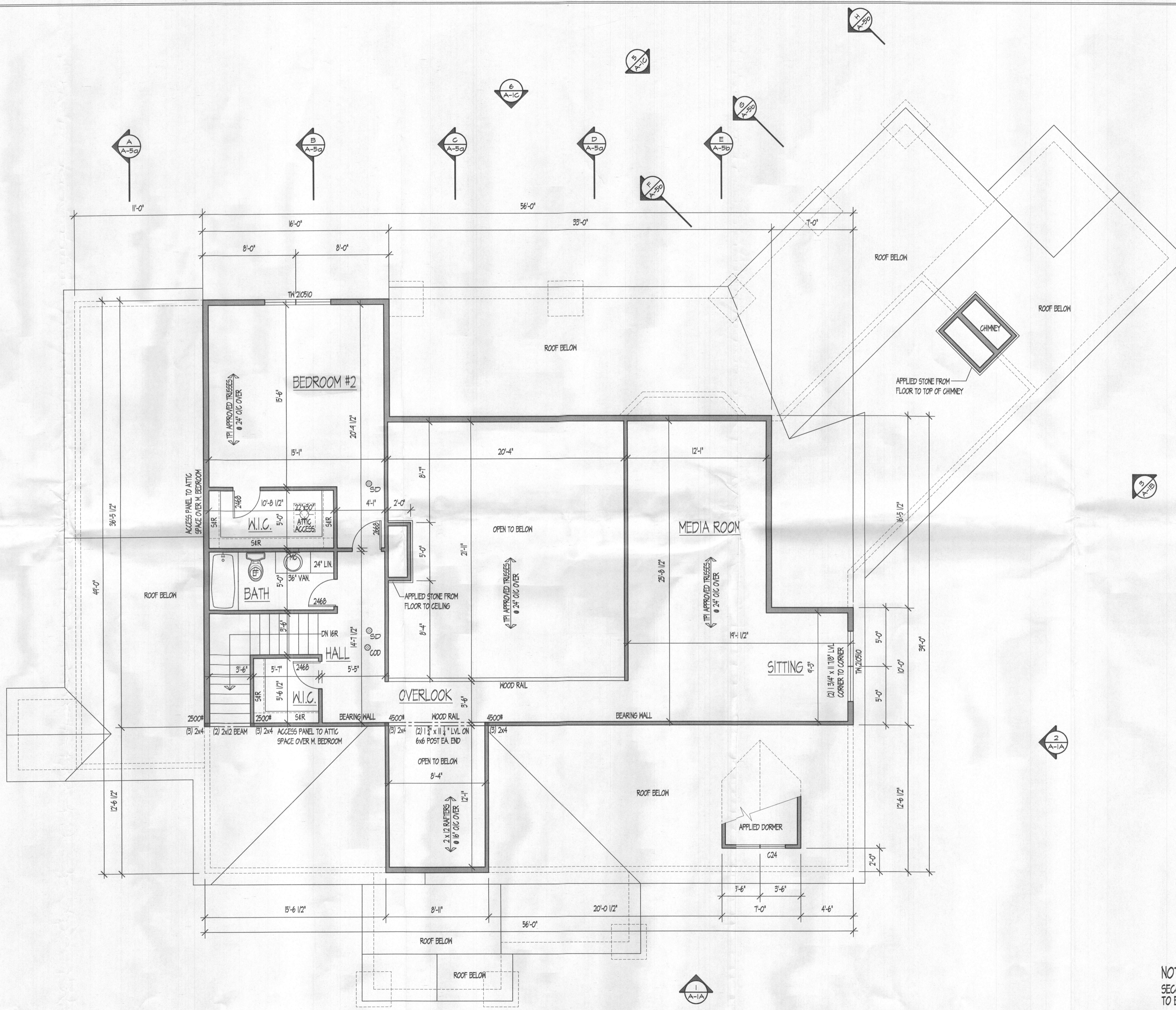
**FIRST FLOOR PLAN**  
**BOWEN RESIDENCE**

CONTENTS  
SCALE: 1/4" = 1'-0"  
DATE: \_\_\_\_\_  
DRAWN: \_\_\_\_\_  
PROJECT TITLE

ISSUE	DATE	DESCRIPTION

SHEET NO.

**A-3**



NOTE:  
SECOND FLOOR WALL HEIGHT  
TO BE 8'-1 1/8"

# SECOND FLOOR PLAN

SCALE: 1/4" = 1'-0"

**JB HOME DESIGN, LLC**  
 9416 CONCORD COURT  
 BALTIMORE, MARYLAND 21284  
 OFFICE (410) 594-6901  
 FAX (410) 668-4064  
 EMAIL: JON@JBHOMEDSIGN.COM



CONTENTS	DATE:	DRWN.	PRJ. NO.
SCALE: 1/4" = 1'-0"			
<b>SECOND FLOOR PLAN</b>			
<b>BOWEN RESIDENCE</b>			
PROJECT TITLE:			

ISSUE	DATE	BY	DESCRIPTION
SHEET NO.	A=4		