

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: 1-18-17 ONSITE SEWAGE DISPOSAL SYSTEM P 560510

APPROVAL DATE: 2/1/17 PERMIT: CONSTRUCTION A

PROPERTY ADDRESS: 11805 Collie Court

SUBDIVISION: Fulton Valley Manor LOT: 1 TAX ID: 05-597664

CONTRACTOR: Legacy Contracting EMAIL:

CONTRACTOR ADDRESS: 1530 Manchester Rd PHONE: 410-840-8760

CONTRACTOR CERTIFIED FOR BAT INSTALLATION: MDE MANUFACTURER:

PROPERTY OWNER: Collie, LLC. EMAIL:

OWNER ADDRESS: 5300 Dorsey Hall Drive, Suite 102 Ellicott, City, MD 21042 PHONE: 443-367-0422

BAT UNIT MODEL: 1500 PUMP SIZE: N/A PUMP TANK CAPACITY: N/A

OPERATION & MAINTENANCE AGREEMENT DATE SIGNED: DATE RECORDED:

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

Table with 2 columns: Field Name (TRENCHES, LOCATION, NOTES) and Field Value (Linear feet required, trench width, location plan, notes).

ISSUED BY: Robert Freeman ISSUE DATE: 1-18-17 EXPIRATION DATE: 1-18-18

- 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 SEPTIC 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: AN INDIVIDUAL CERTIFIED BY MDE AND THE MANUFACTURER FOR BAT INSTALLATION MUST BE PRESENT AT ALL TIMES DURING BAT INSTALLATION.
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

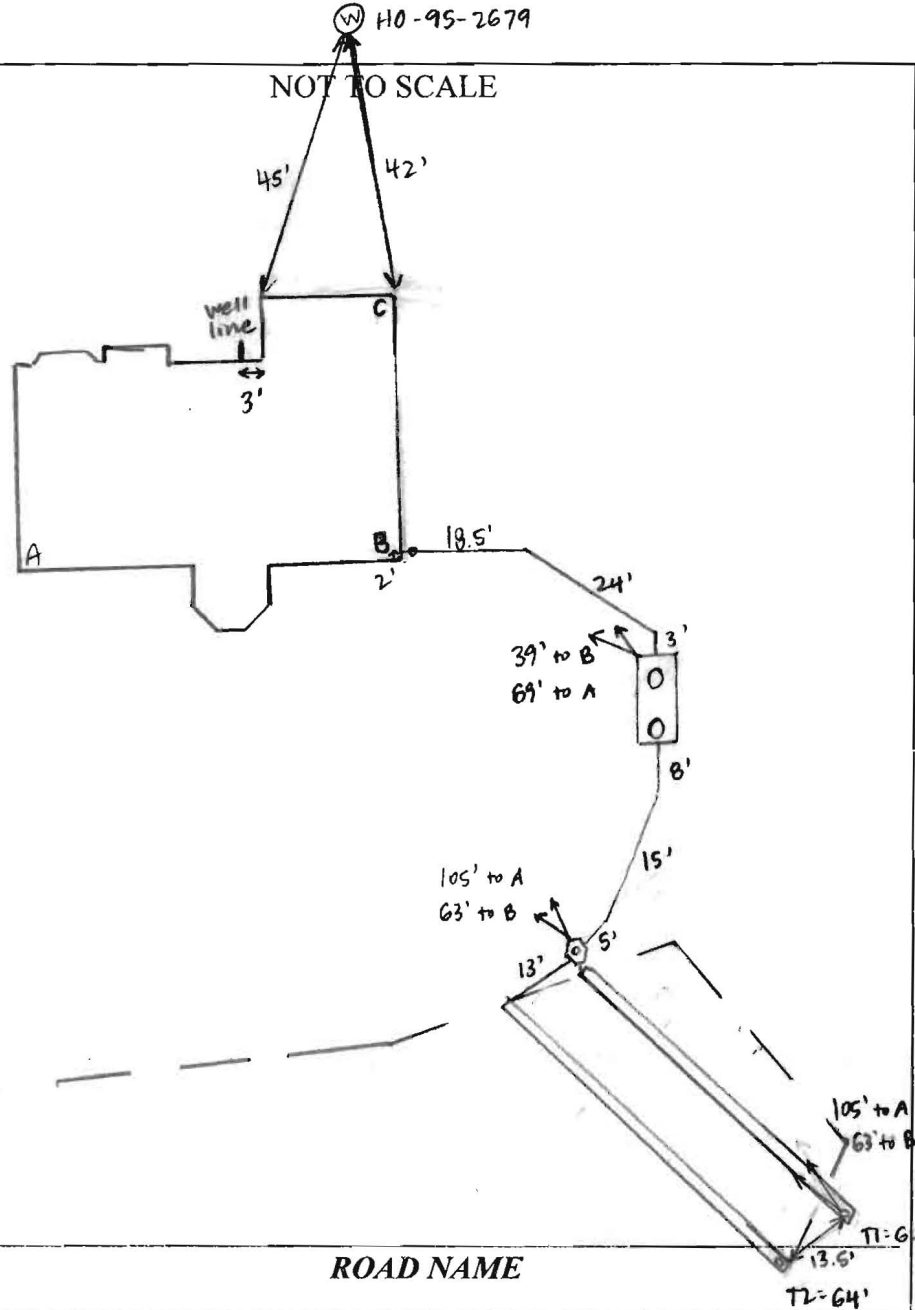
NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.

PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.

CALL 410-313-1771 TO SCHEDULE INSPECTIONS.

H0-95-2679

NOT TO SCALE



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	3'	6'
NUMBER OF TRENCHES		2
TOTAL LENGTH		128'
ABSORPTION AREA		2569ft ² + side wheel
DISTRIBUTION BOX LEVEL		YES
DISTRIBUTION BOX BAFFLE		YES
DISTRIBUTION BOX PORT		YES

SEPTIC TANK DATA	
SEPTIC TANK I LEVEL	YES
MANUFACTURER	MAYER BROS.
CAPACITY	1500 GAL
SEAM LOC	TOP
TANK LID DEPTH	1-1.5'
BAFFLES	YES
BAFFLE FILTER	No
MANHOLE LOC	FRONT + REAR
6" PORT LOC	NONE
WATERTIGHT TEST	NO
SLOTTED	YES
DATE ON LID	
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:

1/20/17 Met Legacy on site for layout. All SDA stakes present. Legacy had shot contours and laid out trenches - checked elevations at trench starts + ends. Install 2 x 65' trenches. (SC)

INSTALLATION: 01/27/2016 On Site to set D Box speed level. Trenches dug and filled with gravel prior to arrival. (SC) 1/31/17 Tank set. Pipe laid from house to tank house connection not yet made. On site while Legacy installed pipe from tank to D-box. Levelled speed levelers in D-box. Need house connection. (SC) 2/1/17 House connection made. (SC)

FINAL INSPECTOR Sarah Collins DATE OF APPROVAL 2/1/17

Oswald, Hank

From: Oswald, Hank
Sent: Wednesday, February 10, 2016 11:13 AM
To: 'Charles Wimmer'
Subject: RE: 11805 Collie Court_Floor Plan Question

Hi Charles:

Now that we have a BAT plan sized for 5 bedrooms, we need to see matching floor plans with 5 bedrooms. Since the room in the basement doesn't have a window, it's not considered a bedroom. However, the den on the first floor is considered a bedroom (BR# 6). You will need to convert one of the bedrooms into a non-bedroom prior to BP approval.

Should you have any questions, please don't hesitate to ask.

Thanks,

Hank

From: Charles Wimmer [<mailto:cwimmer@douglashomesinc.com>]
Sent: Thursday, February 04, 2016 9:34 AM
To: Oswald, Hank
Subject: Re: 11805 Collie Court_Floor Plan Question

Hank, thanks what book is that you referenced I would like to get it the rest of the information

Thanks,
Charles Wimmer
Douglas Homes
410-660-9305

On Thu, Feb 4, 2016 at 8:49 AM, Oswald, Hank <hoswald@howardcountymd.gov> wrote:

Charles:

- In order to make the "Study" a non- bedroom, you could permanently remove the doors and maintain the 4 foot wide opening. (Note: The room has direct access to a full bathroom.)
- If the "Den" in the basement doesn't have a window, then it's not a bedroom. (The plan shows an optional Bay Window.)

Hank

From: Charles Wimmer [mailto:cwimmer@douglashomesinc.com]
Sent: Wednesday, February 03, 2016 1:20 PM

To: Oswald, Hank
Subject: Re: 11805 Collie Court_Floor Plan Question

Hank, The study is not a bedroom and the basement can not be used as a bedroom there is no egress window I am confused

we have built this house before and had no issues with it Can we meet and go over this so I will better understand

Thanks,

Charles Wimmer

Douglas Homes

410-660-9305

On Wed, Feb 3, 2016 at 11:44 AM, Oswald, Hank <hoswald@howardcountymd.gov> wrote:

The septic system is only sized for 5 bedrooms and the floor plans show (7) bedrooms - by definition (1 BR "Den" – basement, 1 BR "Study" on 1st, 5 BR on 2nd).

From: Charles Wimmer [mailto:cwimmer@douglashomesinc.com]
Sent: Wednesday, February 03, 2016 10:56 AM
To: Oswald, Hank
Subject: Re: 11805 Collie Court_Floor Plan Question

Yes 1st floor full bath and 2nd floor 5th bedroom with bath shared with bedroom 2

Are we good with our proposed septic?

Thanks,

Charles Wimmer

Douglas Homes

410-660-9305

On Wed, Feb 3, 2016 at 8:23 AM, Oswald, Hank <hoswald@howardcountymd.gov> wrote:

Mr. Wimmer:

I need clarification on floor plans submitted for *11805 Collie Court*. Is there going to be a full bathroom on the 1st floor and a 5th bedroom on the 2nd floor?

Thanks,

Hank

Hank Oswald, L.E.H.S.

Howard County Health Department

Bureau of Environmental Health

Well & Septic Program

8930 Stanford Boulevard

Columbia, MD 21045

410.313.1786 (Office)

410.313.2648 (Fax)

Oswald, Hank

From: Oswald, Hank
Sent: Wednesday, January 27, 2016 3:48 PM
To: jreynolds@vogeleng.com
Subject: Fulton Manor Lot 1 BAT Plan_11805 Collie Court

Hi Jeremiah:

The following comments refer to the BAT Plan designed for Fulton Manor, Lot 1:

- 1.) To make better use of the upper portion of the SDA, use 3 foot wide trenches for the initial system (Use 3 - 44's.).
- 2.) Ensure all trench spacing is 10 feet.
- 3.) Show how the 1st replacement system fits inside the SDA.

Should you have any questions, please don't hesitate to ask.

Hank

Hank Oswald, L.E.H.S.
Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
8930 Stanford Boulevard
Columbia, MD 21045
410.313.1786 (Office)
410.313.2648 (Fax)

FT

Laurel Sand & Gravel, Inc. T/A
S. W. Barrick & Sons
Finksburg Terminal

INSPECTOR'S COPY

Finksburg Dispatch
410-833-4400

Finksburg Sales
410-833-4400

Mailing Address: P.O. Box 1504 Laurel, Maryland 20725

FAX
410-833-4909

BILLING INQUIRIES
1-800-762-2294

TICKET #00389120

STATION FT

DATE 01/20/17 TIME 08:36:26

CUSTOMER LEGSEP
LEGACY SEPTIC & EXCAVATION LLC
538 MANCHESTER RD
WESTMINSTER, MD 21157

JOB DOUJUM : DOUGLAS HOMES
P.O. # PROJECT #:
11809 COLLIE CT FULTON, MD
TURN IN AT DOUGLAS HOMES TRAILER

TRUCK 471A LICENSE
DRIVER: KRUG'S TRUCKING

3 AXLES

GEORGE 301-370-4121

ROSS	SCALE A	69520 lb
ARE IN	(STORED)	26060 lb
ET		43460 lb
ET		21.73 t

	Loads	Tons
DAILY	1	21.73
TOTAL	5	101.72
TIME IN	08:36:26	TIME OUT 08:36:26

AT'L 0022 : #2 STONE - WASHED
PAUL ZONE N-09

EIGHTMASTER

Jim Cooke

RECEIVED BY



FT

Laurel Sand & Gravel, Inc. T/A
S. W. Barrick & Sons
Finksburg Terminal

INSPECTOR'S COPY

Finksburg Dispatch
 410-833-4400

Finksburg Sales
 410-833-4400

FINKSBURG, MARYLAND

Mailing Address: P.O. Box 1504 Laurel, Maryland 20725

FAX
 410-833-4909

BILLING INQUIRIES
 1-800-762-2294

TICKET #00389134

STATION FT

DATE 01/20/17 TIME 10:24:12

CUSTOMER LEGSEP
 LEGACY SEPTIC & EXCAVATION LLC
 538 MANCHESTER RD
 WESTMINSTER, MD 21157

JOB DOUBON : DOUGLAS HOMES
 P.O. # PROJECT #:
 11809 COLLIE CT FULTON, MD
 TURN IN AT DOUGLAS HOMES TRAILER

TRUCK 471A LICENSE
 DRIVER: KRUG'S TRUCKING

3 AXLES

GEORGE 301-370-4121

	SCALE A	
GROSS		69860 lb
TARE IN (STORED)		26060 lb
NET		43800 lb
NET		21.90 t

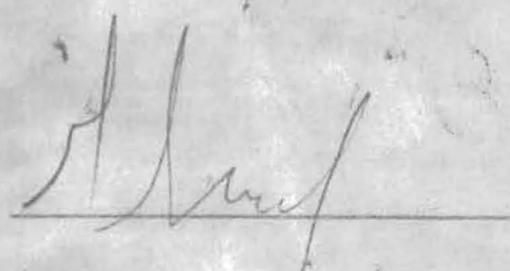
	Loads	Tons
DAILY	3	66.66
TOTAL	7	146.65
TIME IN 10:24:12		TIME OUT 10:24:12

AT'L 0022 : #2 STONE - WASHED
AUL ZONE N-09

SIGHMASTER

Jim Cooke

RECEIVED BY



FT

Laurel Sand & Gravel, Inc. T/A

S. W. Barrick & Sons**Finksburg Terminal****FINKSBURG, MARYLAND**

Mailing Address: P.O. Box 1504 Laurel, Maryland 20725

INSPECTOR'S COPYFinksburg Dispatch
410-833-4400Finksburg Sales
410-833-4400FAX
410-833-4909BILLING INQUIRIES
1-800-762-2294

TICKET #00389121

STATION FT

DATE 01/20/17 TIME 08:39:30

CUSTOMER LEGSEP
LEGACY SEPTIC & EXCAVATION LLC
538 MANCHESTER RD
WESTMINSTER, MD 21157JOB DOUHM : DOUGLAS HOMES
P.O. # PROJECT #:
11809 COLLIE CT FULTON, MD
TURN IN AT DOUGLAS HOMES TRAILERTRUCK 448A LICENSE
DRIVER: K.D. CAPLE

3 AXLES

GEORGE 301-370-4121

				Loads	Tons
ROSS	SCALE A	70200 lb	DAILY	2	44.75
ARE	IN (STORED)	24140 lb	TOTAL	6	124.75
ET		46060 lb	TIME IN 08:39:30		TIME OUT 08:39:30
ET		23.03 t			

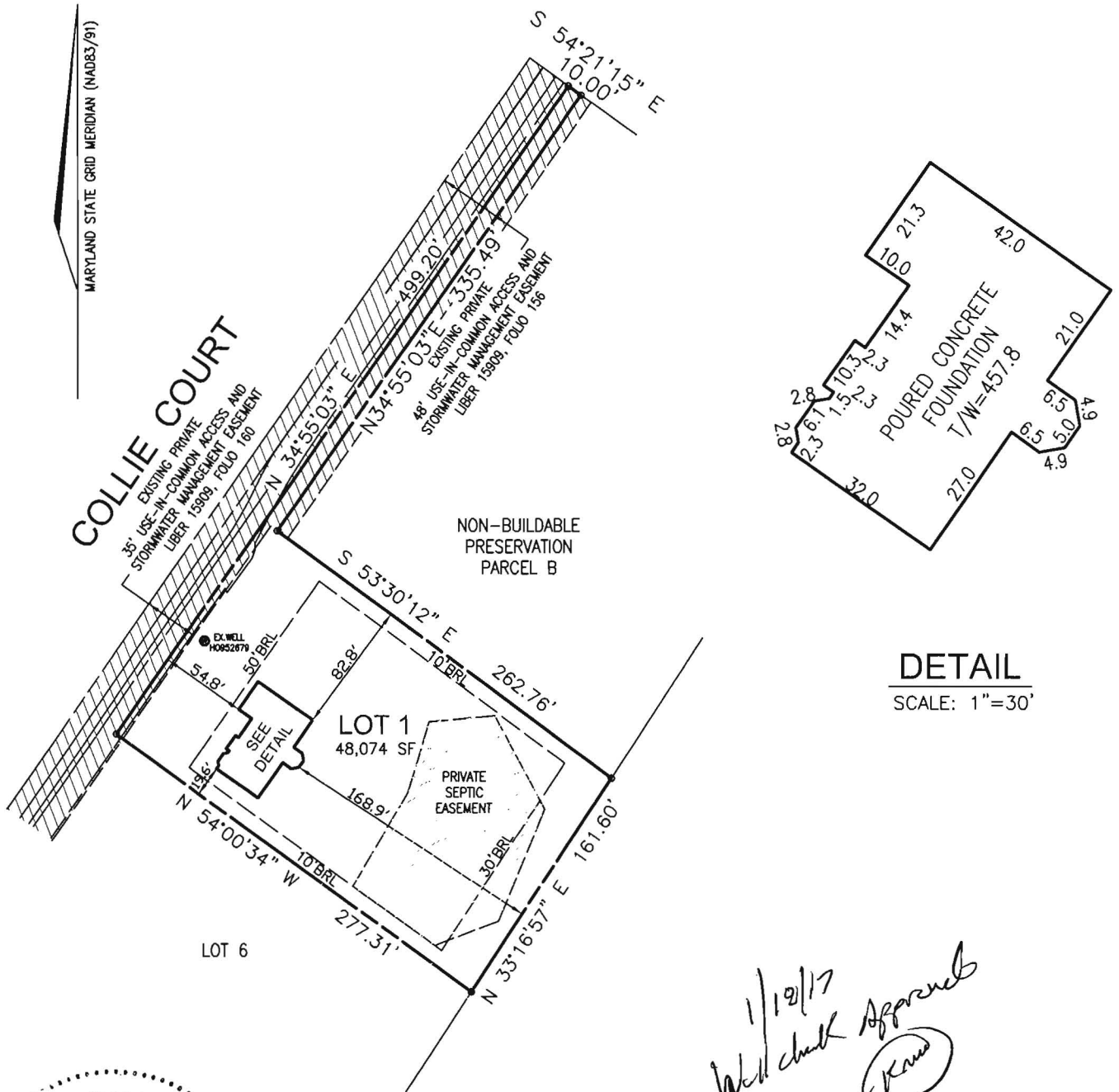
AT'L 0022 : #2 STONE - WASHED
PUL ZONE N-09

EIGHMASTER

Jim Cooke

RECEIVED BY

THIS WALL CHECK DRAWING CONTAINS A HORIZONTAL TOLERANCE IN ACCURACY OF 0.1' AND A VERTICAL TOLERANCE IN ACCURACY OF 0.2'



DETAIL
SCALE: 1"=30'

*11/19/17
Wall check approved
(Kranz)*



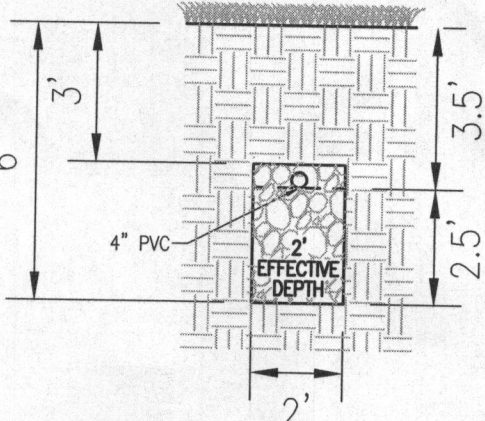
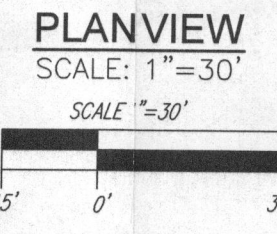
I HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF THAT THE IMPROVEMENTS ARE LOCATED AS SHOWN AND THERE ARE NO ENCROACHMENTS EXCEPT AS SHOWN
Thomas M. Hoffman Jr. **5.10.16**
THOMAS M. HOFFMAN JR., PROPERTY LINE SURVEYOR #267 DATE

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROPERTY LINE SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 267, EXPIRATION DATE JULY 28, 2016.

SCALE 1"= 100'	DATE 05/09/2016	ROBERT H. VOGEL ENGINEERING, INC. ENGINEERS - SURVEYORS - PLANNERS 8407 MAIN STREET ELLCOTT CITY, MARYLAND 21043 TEL:410-461-7666 FAX:410-461-8961	WALL CHECK DRAWING 11805 COLLIE COURT LOT 1 FULTON MANOR VALLEY PLAT NO. 23107 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
DRAWN BY B.D.A.	CHECKED BY T.M.H.		
PLAT NUMBER 23106-23112	JOB NUMBER 14-24.00		



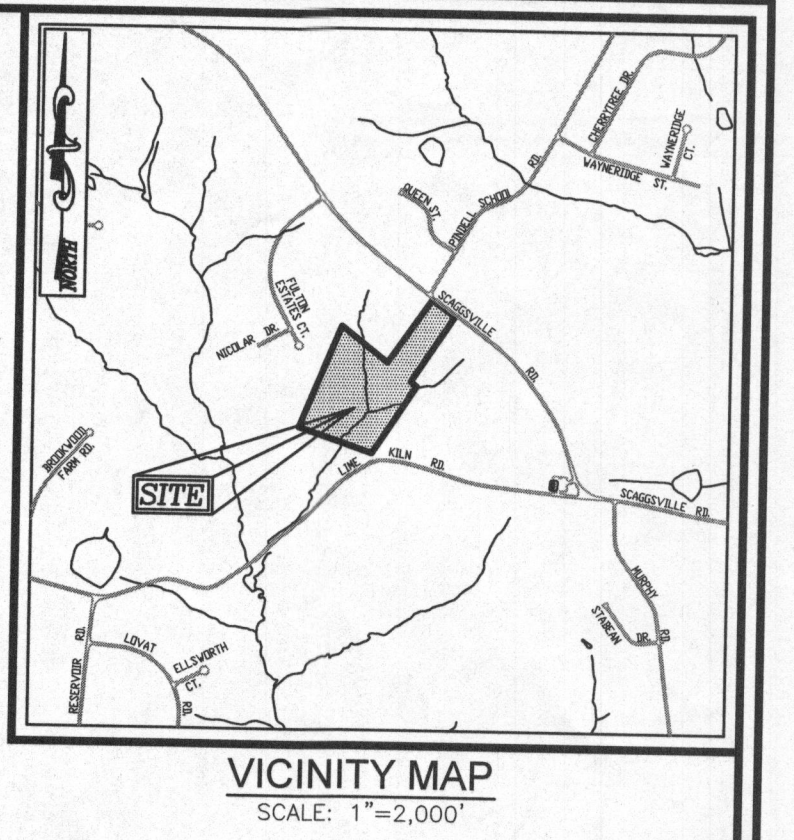
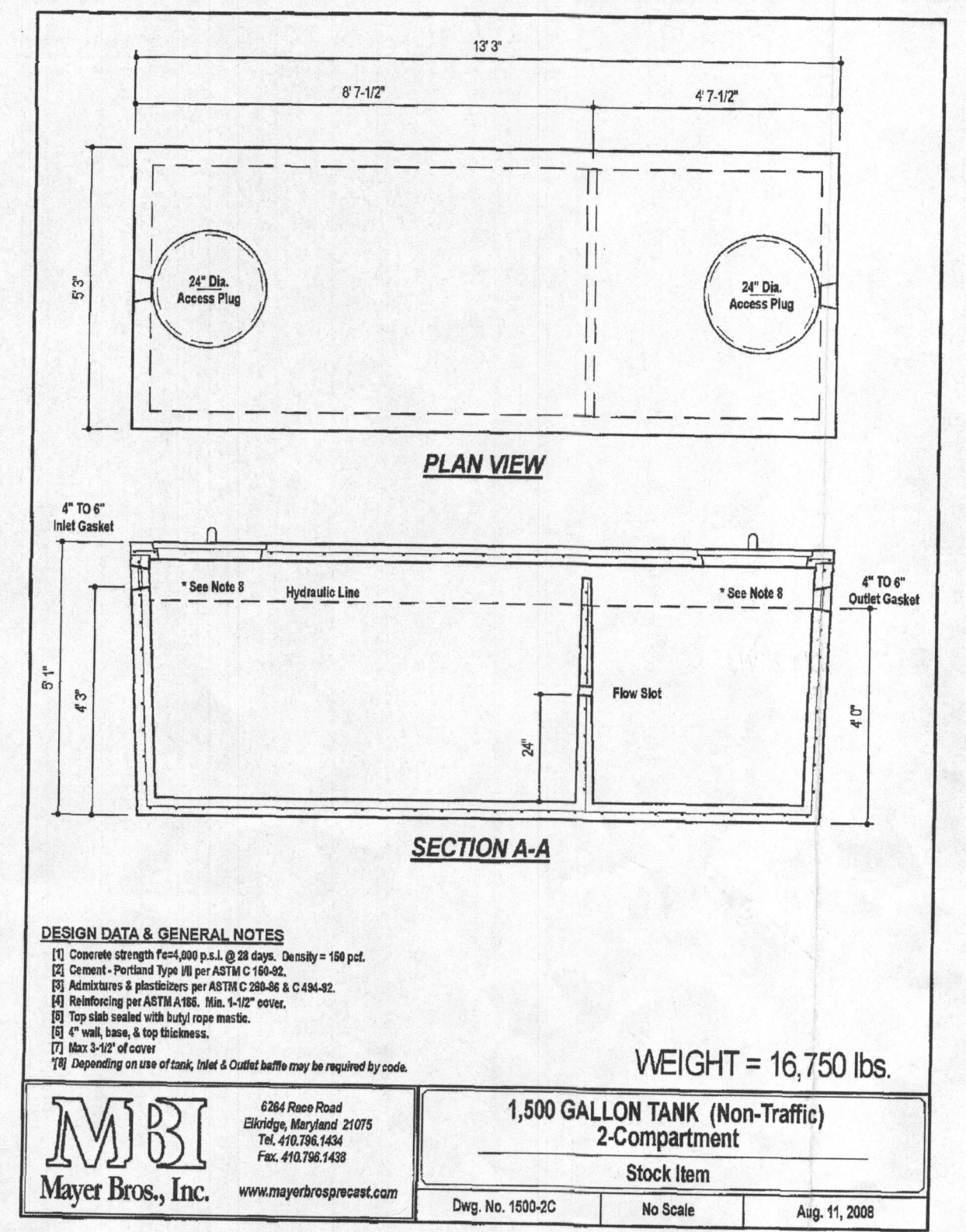
WELL LOCATION CERTIFICATION:
 THE EXISTING WELL SHOWN ON THIS PLAN (TAG #HO-95-2679)
 HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN



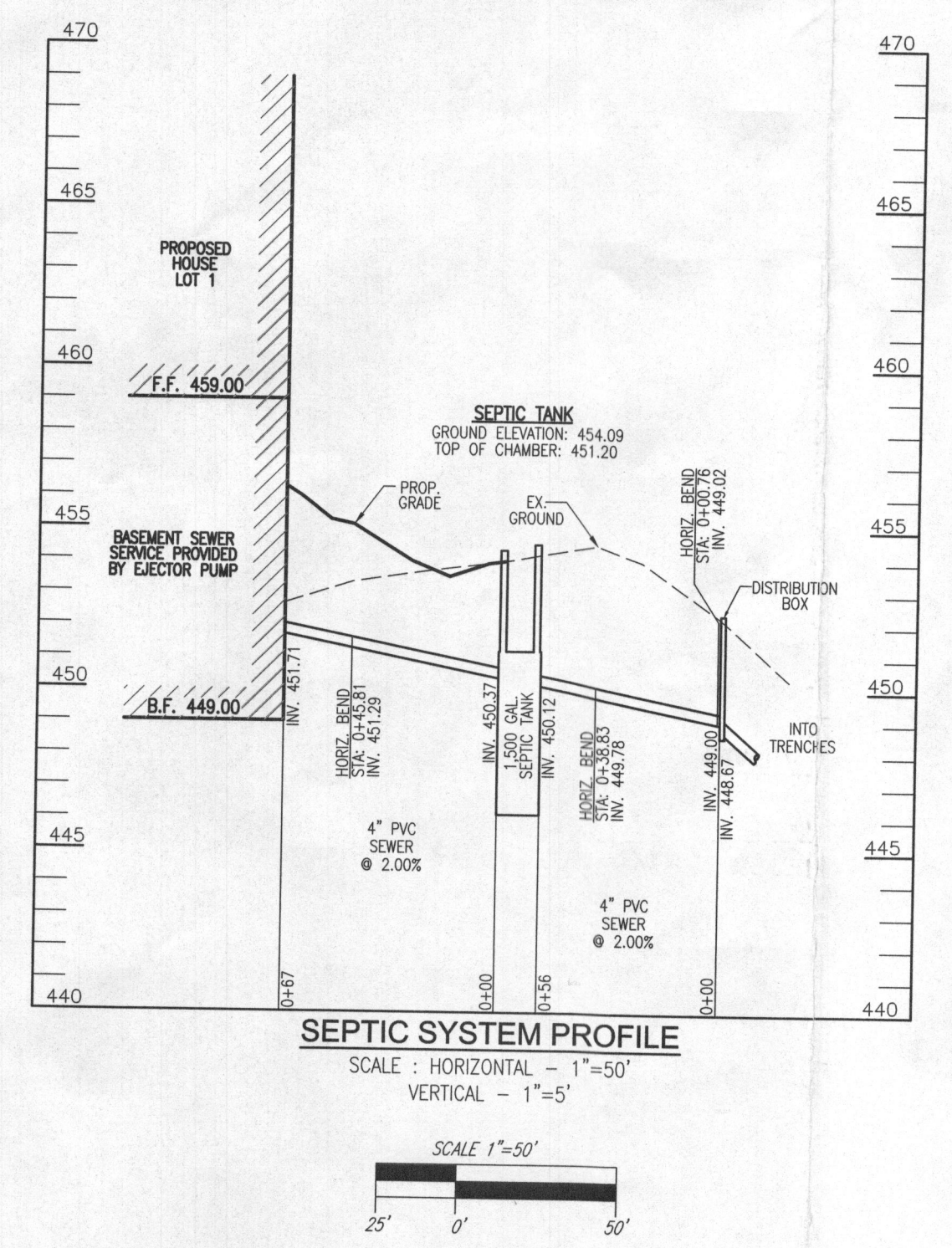
TRENCH	TRENCH LENGTH	TRENCH INV. INTO BOTTOM OF TRENCH	EXISTING TRENCH	EXISTING GROUND
1	60'	447.78	445.28	451.28
2	60'	446.69	444.19	450.19
3	60'	445.90	443.40	449.40

SYSTEM CALCULATIONS:
INITIAL SYSTEM AND FIRST REPLACEMENT SYSTEM:
 5 BEDROOMS AT 750gpd / 1/2 ABSORPTION RATE = 625 SQ. FT.
 625 SQ. FT. / 2 (TRENCH WIDTH) = 312.5 (SIDEWALL REDUCTION) = 178 LINEAR FEET
 180 TOTAL LINEAR FEET OF TRENCH ARE PROVIDED WITH THE INITIAL SYSTEM.
 178 TOTAL LINEAR FEET OF TRENCH ARE PROVIDED WITH THE FIRST REPLACEMENT SYSTEM.

THIS AREA DESIGNATES A PRIVATE SEWAGE AREA OF AT LEAST 10,000 SQUARE FEET 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 SEWERAGE IS AVAILABLE. THESE AREAS 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 AREA. RECORDED OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.



- LEGEND:**
- PROPERTY LINE
 - RIGHT-OF-WAY LINE
 - ADJACENT PROPERTY LINE
 - EXISTING SANITARY MANHOLE
 - EXISTING SANITARY LINE
 - EXISTING CLEANOUT
 - EXISTING FIRE HYDRANT
 - EXISTING WATER LINE
 - EXISTING 10' CONTOUR
 - EXISTING 2' CONTOUR
 - SOILS
 - EXISTING TREELINE
 - PROPOSED TREELINE
 - EXISTING WELL
 - PROPOSED 10' CONTOUR
 - PROPOSED 2' CONTOUR
 - PROPOSED SPOT ELEVATION
 - FAILED PERC. TEST
 - PASSED PERC. TEST
 - PROP. REPLACEMENT WELL
 - EXISTING WELL FIELD LOCATED
 - APPROVED SEPTIC AREA



Approved Septic System Plan
 Howard County Health Department
 Signature: [Signature] Date: 12/25/16
 (Approved for 5 BR Floor Plan)

OWNER: COLLIE, LLC
 5300 DORSEY HALL DR., SUITE 102
 ELLICOTT CITY, MARYLAND 21042
 ATTN: MR. DONALD R. REUWER, JR.
 443-367-0422

BUILDER: DOUGLAS HOMES, INC.
 5034 DORSEY HALL DR., SUITE 102
 ELLICOTT CITY, MARYLAND 21042
 410-364-4234

ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN

FULTON MANOR VALLEY - LOT 1
 11805 COLLIE COURT
 FULTON, MD 20759

BUILDING PERMIT #

TAX MAP: 41 GRID: 19
 5TH ELECTION DISTRICT

PARCELS: 78 & 456
 ZONED: RR-DEO
 HOWARD COUNTY, MARYLAND

ROBERT H. VOGEL ENGINEERING, INC.
 ENGINEERS • SURVEYORS • PLANNERS
 8407 MAIN STREET
 ELLICOTT CITY, MD 21043 TEL: 410.461.7666 FAX: 410.461.8961

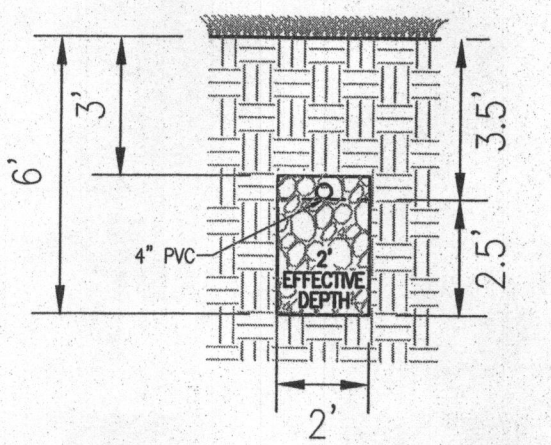
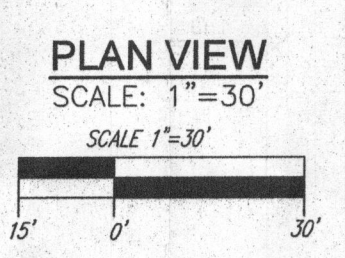
PROFESSIONAL CERTIFICATE
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A FULLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 18163, EXPIRATION DATE 06-27-2018.

DESIGN BY: RHY
 DRAWN BY: JMR
 CHECKED BY: RHY
 DATE: DECEMBER 2016
 SCALE: AS SHOWN
 W.O. NO.: 14-24

1 SHEET OF 1



WELL LOCATION CERTIFICATION:
THE EXISTING WELLS SHOWN ON THIS PLAN (TAG #HO-95-2679) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN

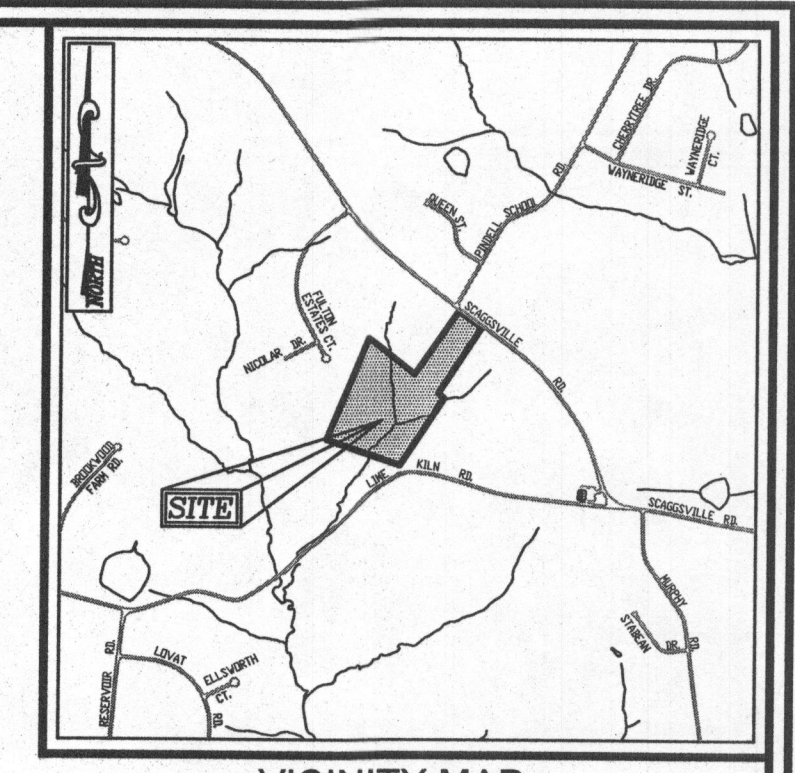
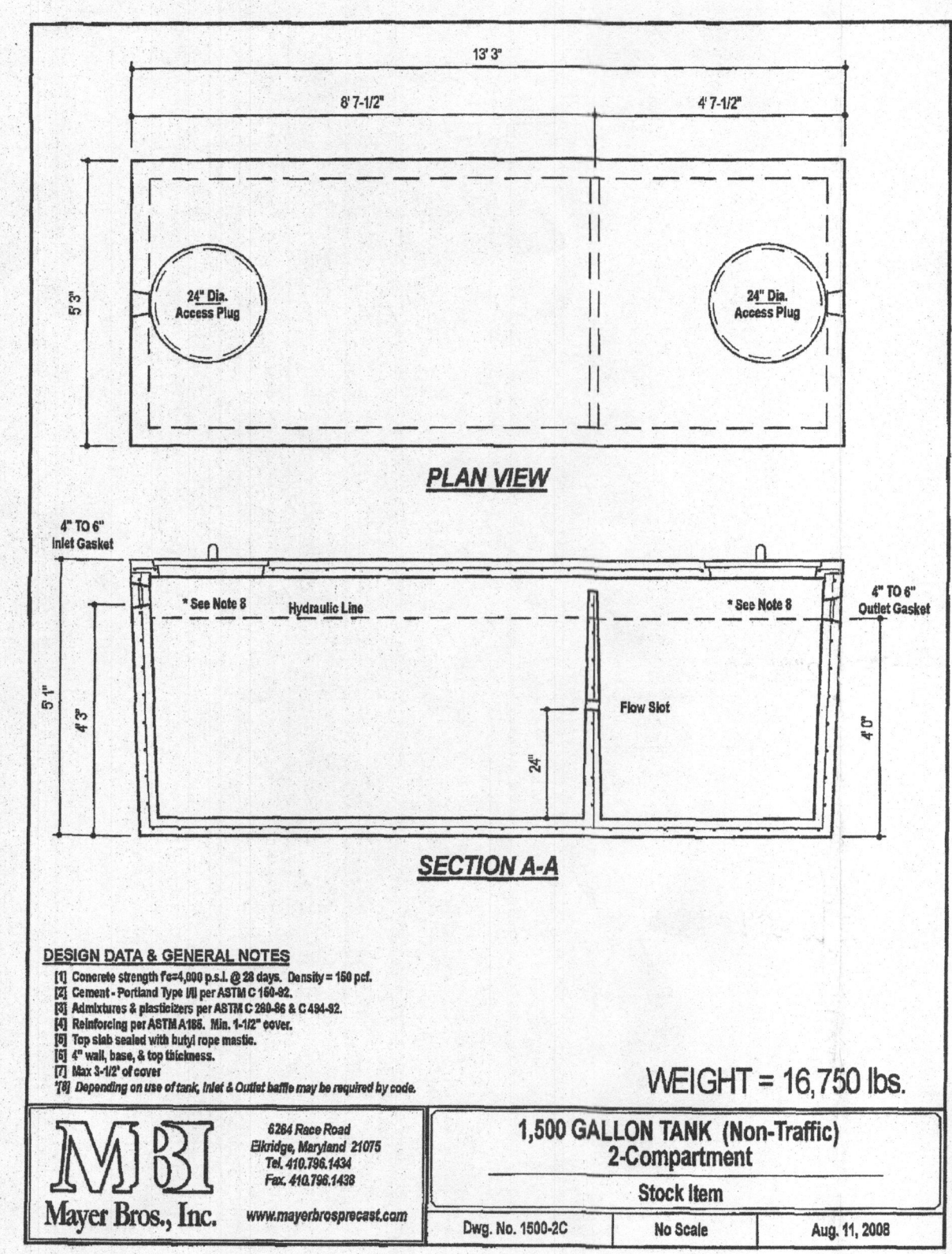


INITIAL SYSTEM AND 1ST REPLACEMENT TRENCH DETAIL
NOT TO SCALE

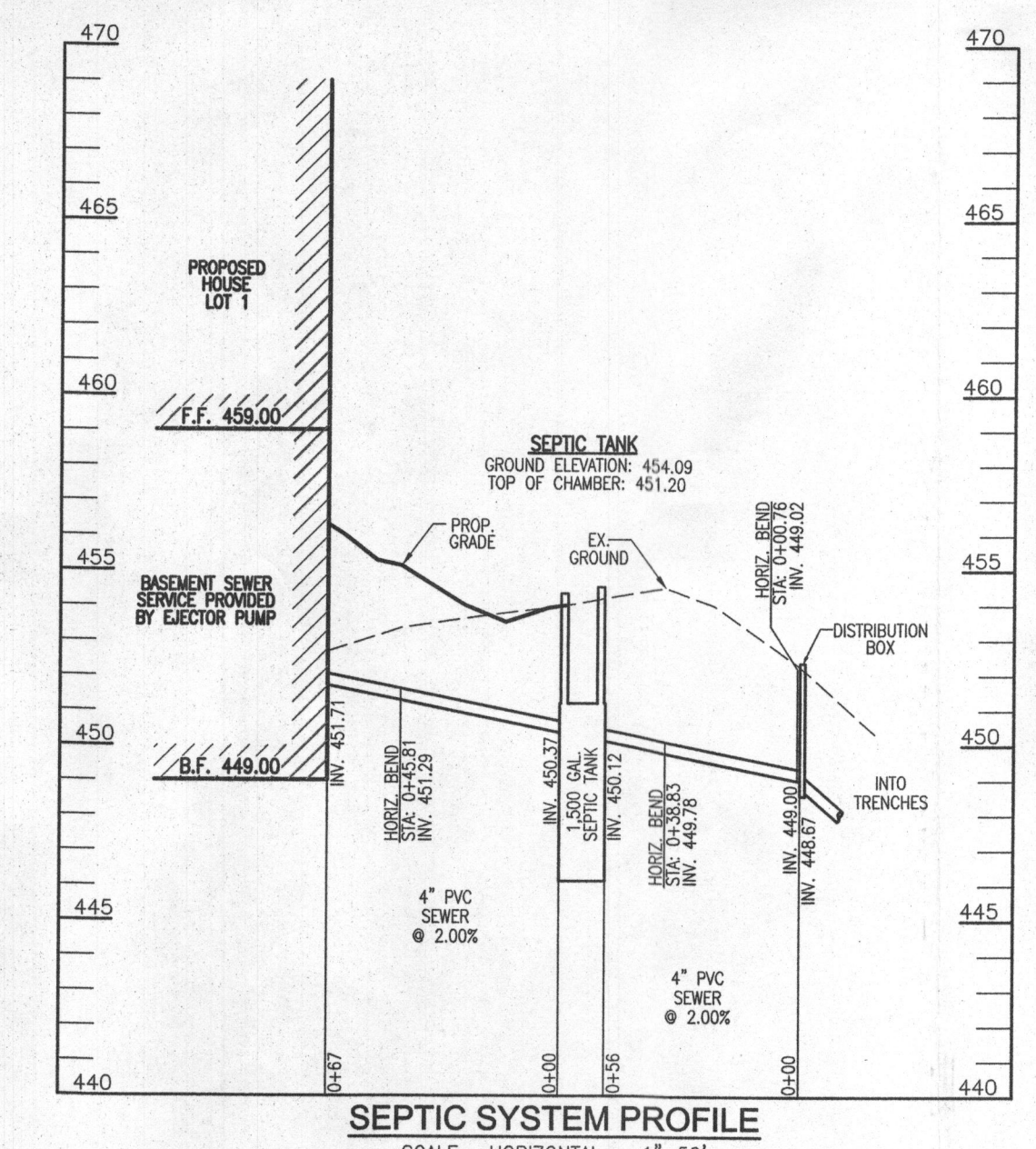
TRENCH INFO.				
TRENCH	TRENCH LENGTH	INVERT	INTO BOTTOM OF TRENCH	EXISTING GROUND
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 - EXISTING TREELINE
 - PROPOSED TREELINE
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 - FAILED PERC. TEST
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 - PROP. REPLACEMENT WELL
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Approved Septic System Plan
Howard County Health Department
Signature: [Signature] Date: 12/26/16
(Approved for 5 BR Floor Plan)

OWNER: COLLIE, LLC
5300 DORSEY HALL DR., SUITE 102
ELLICOTT CITY, MARYLAND 21042
ATTN: MR. DONALD R. REUWER, JR.
443-367-0422

BUILDER: DOUGLAS HOMES, INC.
5034 DORSEY HALL DR., SUITE 102
ELLICOTT CITY, MARYLAND 21042
410-964-4234

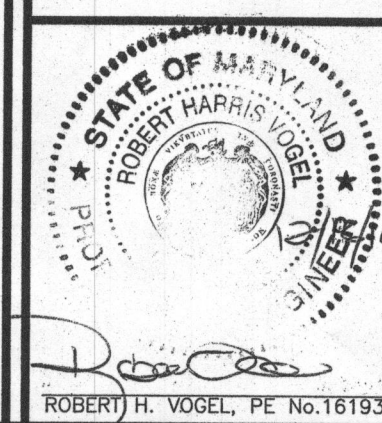
ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN

FULTON MANOR VALLEY - LOT 1
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FULTON, MD 20759

TAX MAP: 41 GRID: 19
5TH ELECTION DISTRICT

PARCELS: 78 & 456
ZONED: RR-DEO
HOWARD COUNTY, MARYLAND

ROBERT H. VOGEL ENGINEERING, INC.
ENGINEERS • SURVEYORS • PLANNERS
8407 MAIN STREET
ELLICOTT CITY, MD 21043
TEL: 410.461.7666
FAX: 410.461.8961



PROFESSIONAL CERTIFICATE
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A FULLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 16183, EXPIRATION DATE: 09-27-2018.

DESIGN BY: RHW
DRAWN BY: JMR
CHECKED BY: RHW
DATE: DECEMBER 2016
SCALE: AS SHOWN
W.O. NO.: 14-24

1 SHEET OF 1

- GENERAL NOTES:**
- ANY CHANGE 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.
 - THE MAXIMUM EARTH COVER OVER THE TANK IS 3 FEET. GREATER EARTH COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.
 - ELECTRICAL WORK FOR THE INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
 - THE WELL (HO-95-2679) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.
 - ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.