

LAYOUT \_\_\_\_\_ INSP 4 \_\_\_\_\_  
INSP 2 \_\_\_\_\_ INSP 5 \_\_\_\_\_  
INSP 3 \_\_\_\_\_ INSP 6 \_\_\_\_\_

ISSUE DATE: 10/06/2005

# PERMIT

P 523442

APPROVAL DATE: \_\_\_\_\_

A 519622

TAX ID #03-383861

**ON-SITE SEWAGE DISPOSAL SYSTEM  
HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH**

Fogle's Septic Clean IS PERMITTED TO INSTALL  ALTER

ADDRESS: 580 Obrecht Rd., Sykesville 21784 PHONE NUMBER: 410-795-5670

SUBDIVISION: Gibbons Property, Parcel B LOT NUMBER: Pool House

ADDRESS: 4580 Centennial Lane PROPERTY OWNER: Brian & Martha Gibbons

SEPTIC TANK CAPACITY (GALLONS): 1500 OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): n/a COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 0

SQUARE FEET PER BEDROOM: n/a

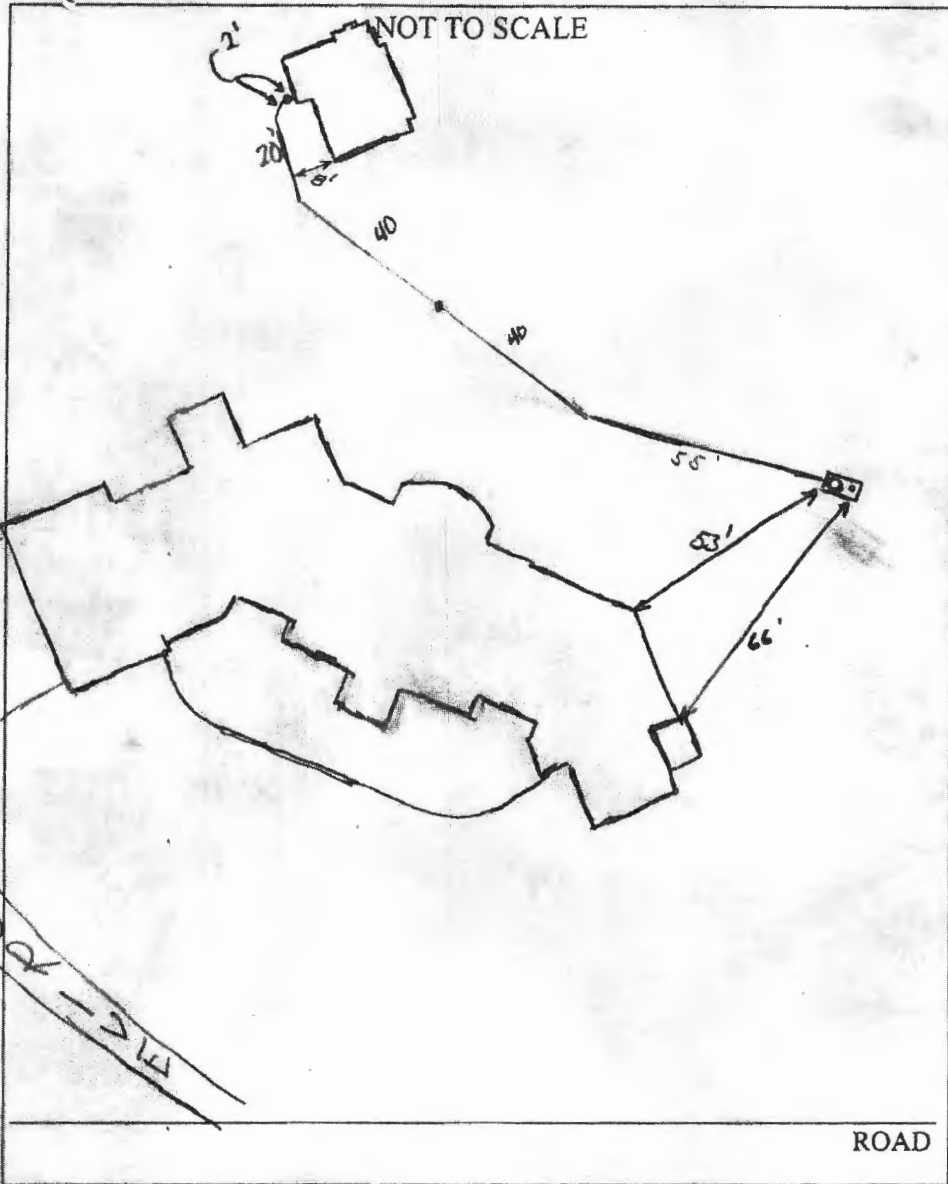
LINEAR FEET OF TRENCH REQUIRED: existing HOUSE SERVED BY PUBLIC WATER

TRENCHES:	Tie line from septic tank for pool house to existing septic system trenches.
LOCATION:	Install 1500 gallon septic tank for pool house and tie into the existing septic tank or distribution box.
NOTES:	Purpose of permit is to install a septic tank for the pool house. Call for inspection once the new septic tank is in place & tied into existing septic system.

PLANS APPROVED: Peter Yencsik Reviewed by: \_\_\_\_\_ DATE: 10/14/05

NOTES: PERMIT VOID AFTER 2 YEARS  
CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS  
WATERTIGHT SEPTIC TANKS REQUIRED  
ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED  
MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED  
CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE REGULATIONS, GUIDELINES AND THE TERMS OF THIS PERMIT

**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  
ALL 410-313-1771 FOR INSPECTION OF SEPTIC SYSTEM**



**TRENCH/DRAINFIELD DATA**

WIDTH	INLET	BOTTOM
_____	_____	_____
NUMBER OF TRENCHES _____		
TOTAL LENGTH _____		
ABSORPTION AREA _____		
DISTRIBUTION BOX LEVEL _____		
DISTRIBUTION BOX BAFFLE _____		
DISTRIBUTION BOX PORT _____		

**SEPTIC TANK DATA**

SEPTIC TANK 1 LEVEL \_\_\_\_\_

CAPACITY 1500 GAL

SEAM LOC Top

TANK LID DEPTH 2-3'

BAFFLES 4

BAFFLE FILTER No

MANHOLE LOC Inlet

6" PORT LOC Outlet

WATERTIGHT TEST N/A

~~SEPTIC TANK 2 LEVEL \_\_\_\_\_~~

~~CAPACITY \_\_\_\_\_ GAL~~

~~SEAM LOC \_\_\_\_\_~~

~~TANK LID DEPTH \_\_\_\_\_~~

~~BAFFLES \_\_\_\_\_~~

~~BAFFLE FILTER \_\_\_\_\_~~

~~MANHOLE LOC \_\_\_\_\_~~

~~6" PORT LOC \_\_\_\_\_~~

~~WATERTIGHT TEST \_\_\_\_\_~~

PRE-CONSTRUCTION \_\_\_\_\_

INSTALLATION \_\_\_\_\_

FINAL INSPECTOR \_\_\_\_\_ DATE OF APPROVAL \_\_\_\_\_

LAYOUT \_\_\_\_\_ INSP 4 \_\_\_\_\_  
INSP 2 \_\_\_\_\_ INSP 5 \_\_\_\_\_  
INSP 3 \_\_\_\_\_ INSP 6 \_\_\_\_\_

ISSUE DATE: 05/18/2005

# PERMIT

P 522487

APPROVAL DATE: 4/18/06

A 519622

TAX ID #02-383861

**ON-SITE SEWAGE DISPOSAL SYSTEM  
HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH**

Fogles Septic Clean, Inc IS PERMITTED TO INSTALL  ALTER

ADDRESS: 580 Obracht Rd, Sykesville PHONE NUMBER: 410-795-5670

SUBDIVISION: Gibbons Property LOT NUMBER: Parcel B

ADDRESS: 4580 Centennial Lane PROPERTY OWNER: Brian & Martha Gibbons

SEPTIC TANK CAPACITY (GALLONS): 1500 OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): N/A COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 3

SQUARE FEET PER BEDROOM: 210

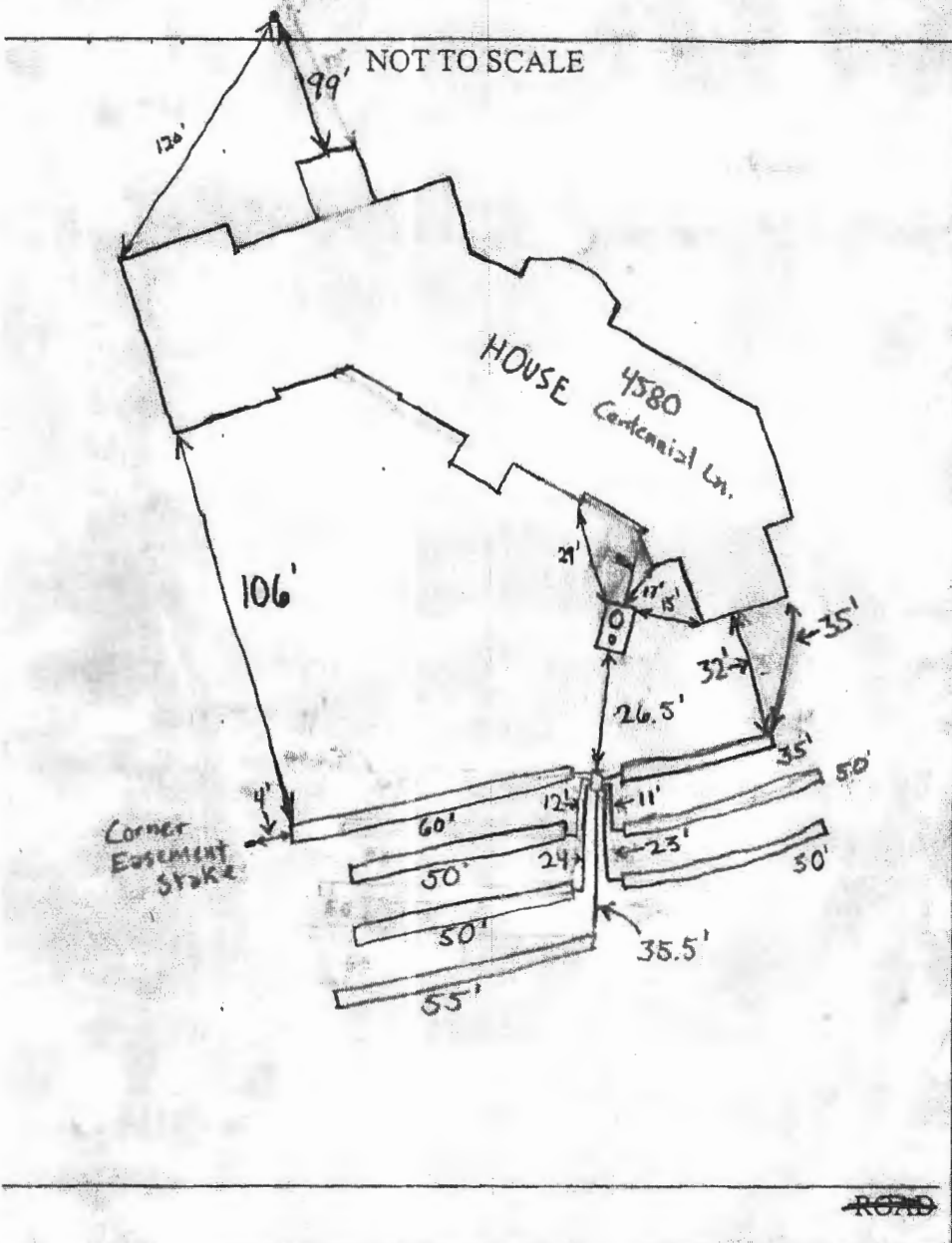
LINEAR FEET OF TRENCH REQUIRED: 350 HOUSE SERVED BY PUBLIC WATER

TRENCHES:	Trench to be 3.0 feet wide. Inlet 4.0 feet below original grade. Bottom maximum depth 8.0 feet below original grade. Effective area begins at 7.5 feet below original grade. 4.0 feet of stone below distribution pipe.
LOCATION:	Place the distribution box at the highest elevation in the approved SDA. Run four 90' trenches on contour.
NOTES:	

PLANS APPROVED: Kevin J. Bell Reviewed by: \_\_\_\_\_ DATE: 9/29/04

NOTES: PERMIT VOID AFTER 2 YEARS  
CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS  
WATERTIGHT SEPTIC TANKS REQUIRED  
ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED  
MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED  
CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE REGULATIONS, GUIDELINES AND THE TERMS OF THIS PERMIT

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PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT  
ALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM**



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3	4	8
NUMBER OF TRENCHES		7
TOTAL LENGTH		350
ABSORPTION AREA		1050 SF
DISTRIBUTION BOX LEVEL		Levelers
DISTRIBUTION BOX BAFFLE		Yes
DISTRIBUTION BOX PORT		No

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	Yes
CAPACITY	1500 GAL
SEAM LOC	Top
TANK LID DEPTH	1.5-3'
BAFFLES	Yes
BAFFLE FILTER	No
MANHOLE LOC	Front
6" PORT LOC	Rear
WATERTIGHT TEST	N/A
<del>SEPTIC TANK 2 LEVEL</del>	
<del>CAPACITY</del>	<del>_____ GAL</del>
<del>SEAM LOC</del>	<del>_____</del>
<del>TANK LID DEPTH</del>	<del>_____</del>
<del>BAFFLES</del>	<del>_____</del>
<del>BAFFLE FILTER</del>	<del>_____</del>
<del>MANHOLE LOC</del>	<del>_____</del>
<del>6" PORT LOC</del>	<del>_____</del>
<del>WATERTIGHT TEST</del>	<del>_____</del>

PRE-CONSTRUCTION D-Box to be in <sup>Top</sup> center of SDA to accommodate trenches both directions.  
7 trenches on contour in both directions from D-Box.

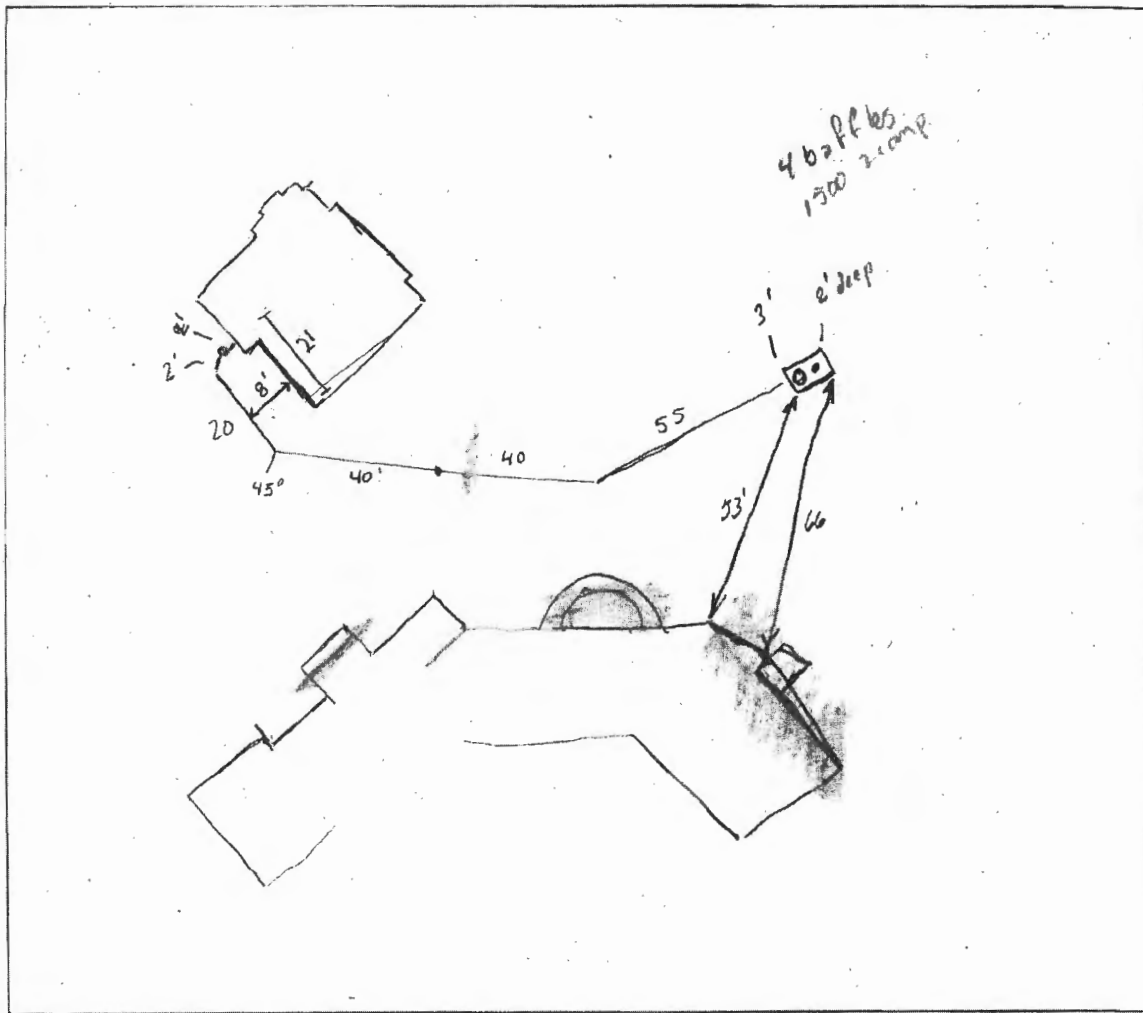
INSTALLATION 5/23/05 Tank installed, no house connection. (GAC) 5/23/05 PM  
Tank and Trenches installed as per instruction. Some area on left side of SDA  
(facing the House) not used. This area was under the driveway and use would have  
blocked the only access to site. Still no SHC. (GAC) 1/18/06 House  
connection made (BB)

FINAL INSPECTOR GAC & BB DATE OF APPROVAL 1/18/06

SITE INSPECTION SHEET

OWNER: Church PHONE #: \_\_\_\_\_  
ADDRESS: 4580 Centennial Lane CONTRACTOR: \_\_\_\_\_  
WELL TAG #: \_\_\_\_\_  
SUBDIVISION: \_\_\_\_\_ LOT: \_\_\_\_\_ COUNTY #: \_\_\_\_\_  
PROPOSAL: Septic tank to tie pool house into ex. system

LOCATION DIAGRAM

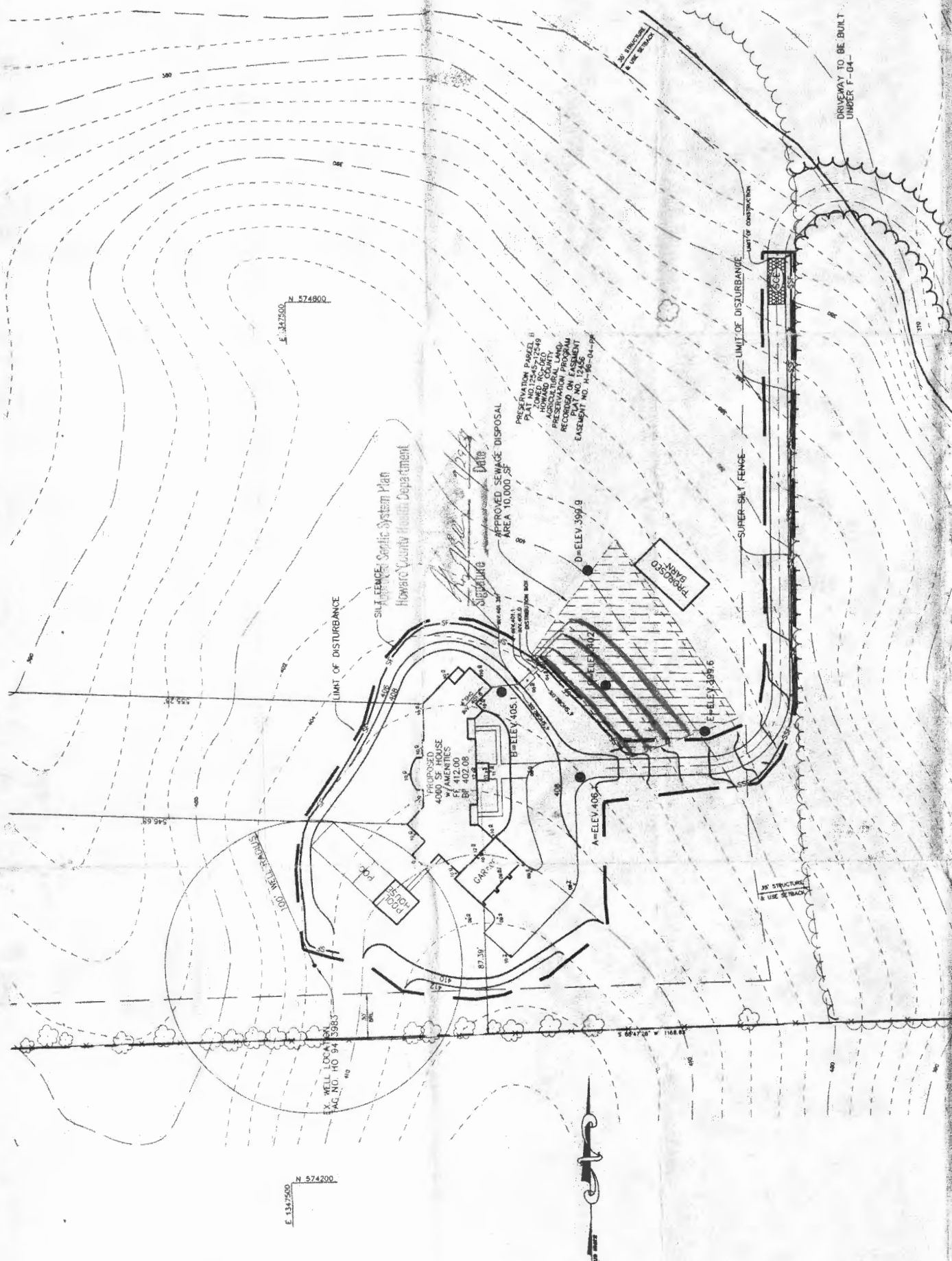


COMMENTS: \_\_\_\_\_

DATE: 2/10/06 pm INSPECTOR: GAC

**NOTE**  
 1. WELL L<sub>1</sub> ASSOCIATE  
 2. WELL W

DRIVEWAY TO BE BUILT UNDER F-04



E 1347500  
 N 574900

E 1347500  
 N 574200

SILT FENCE, Septic System Plan  
 Approved  
 Howard County Health Department

APPROVED SEWAGE DISPOSAL  
 AREA 10,000 SF

PRESERVATION PARCEL B  
 PLAT NO. 1254-020  
 HOWARD COUNTY  
 ASSOCIATION PROGRAM  
 RECORDED EASEMENT  
 PLAT NO. EASEMENT  
 EASEMENT NO. H-96-04-008

PROPOSED  
 4800 SQ FT HOUSE  
 FF 412.00  
 BF 402.08

B=ELEV. 405.1

D=ELEV. 399.9

C=ELEV. 402.7

F=ELEV. 395.6

WELL L<sub>1</sub>  
 025503024

100' WELL CIRCLE

EX. WELL L<sub>1</sub> OK  
 TAG NO. HO 94 3983



LIMIT OF CONSTRUCTION

SUPER-SILT FENCE

LIMIT OF DISTURBANCE

30' STRUCTURE  
 & USE STRIP





# HOWARD COUNTY HEALTH DEPARTMENT

61480

DATE  
8/2/17

PS

Received From

PHONE #

Charles A. Klein, Sr. 96549-6960

For

Septic permit - 4580  
external pane

CASH

CHECK

NO

8082

three hundred ninety six Dollars

\$ 396.00

Received By

Klein



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
Twitter: HowardCoHealthDep

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

INFORMATION FORM - SEPTIC SYSTEM REPAIR/UPGRADE

Reason for Request:

- Failing System
System relocation for proposed addition
System upgrade for proposed addition
Inadequate treatment zone
Collapsed septic tank
Collapsed drywell

Has the septic tank been pumped within the last month?

- Yes Date pumped:
No

Was a visual inspection of the septic tank and/or drain fields conducted?

- Yes Explain observations:
No

Was a visual inspection of the sewage line conducted?

- Yes
Blockage leading to the tank
Yes Explain:
No
Blockage leading to the field
Yes Explain:
No

Existing system design

- Drywell
Trench
Mound
Unknown
Other:

Is discharge surfacing on the ground?

- Yes
No

No

Additional Comments:

\*For REPAIRS, are the owners proposing, or do they plan to add in the future, any additions or modifications to the property, i.e. pools, living space additions, garages, etc? This information must be disclosed at the time of this application. The Health Department will not be able to accommodate requests in the field for property modifications unrelated to the repair request. Such requests may require an additional fee, testing, and submittal of a Percolation Certification Plan, if the property does not meet current Code and Regulation.

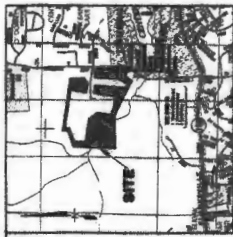
Septic Contractor: CHARLES A. KLEIN & SONS, INC Contractor's Phone: 410-549-6960
Contractor's Address: 5220 KLEES MILL RD SYKESVILLE, MD 21784
Property Address: 4580 CENTENNIAL LANE County file:
Subdivision: Lot: Year Built:
Owner's Name: BERG Owner's Phone:

Name of previous owners: Existing bedrooms:
Proposed bedrooms:

Has this request been previously discussed with a Sanitarian? (Name): ROBERT BRICKER
Public Sewer available/nearby:

\*A Sanitarian will be in contact within three business days, depending upon the urgency of the situation, to coordinate the scheduling/review of the repair or upgrade.

\*Prior to scheduling inspections, scaled plans should be submitted to clarify the nature of the addition.\*
Print out a copy of Real Property Data via Dept. of Taxation website Indexed file found
If public sewer may be nearby, verify whether sewer is technically "available" through the Bureau of Engineering.
If sewer is available and the property is within the Metropolitan District, connection to sewer is required. If the owner believes reason for exemption exists, the owner should justify the request in writing.
If soil/site conditions are limited and sewer and/or Metro District status is not conducive to connection, the Sanitarian may recommend pursuit of Emergency Sewer Extension or Emergency Metro District Inclusion. The Owner should contact the Bureau of Utilities for details.
No permit is to be issued nor inspection to be scheduled without prior fee collection at the office unless an emergency situation exists. The contractor is to notify office of the emergency situation as soon as possible.



**VICINITY MAP**  
 PROJECT SITE  
 CENTRAL LANE  
 1/2" = 100'

**GENERAL NOTES:**  
 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MARYLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.  
 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE APPROPRIATE AGENCIES.  
 3. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.  
 4. ALL UTILITIES SHALL BE PROTECTED AND DEEPENED AS NECESSARY TO ACCOMMODATE THE PROPOSED SEWER LINES.  
 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE APPROPRIATE AGENCIES.  
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 7. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MARYLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

**PROPOSED SEWER LINES:**  
 1. ALL SEWER LINES SHALL BE 12" DIA. VITRIFIED CLAY PIPE WITH 2" THICK WALLS.  
 2. ALL SEWER LINES SHALL BE INSTALLED AT A MINIMUM SLOPE OF 0.01.  
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 5. ALL SEWER LINES SHALL BE INSTALLED AT A MINIMUM SLOPE OF 0.01.

**PROPOSED MANHOLE LOCATIONS:**  
 1. ALL MANHOLES SHALL BE 48" DIA. CONCRETE RINGS WITH 4" THICK WALLS.  
 2. ALL MANHOLES SHALL BE INSTALLED AT A MINIMUM SLOPE OF 0.01.  
 3. ALL MANHOLES SHALL BE INSTALLED AT A MINIMUM SLOPE OF 0.01.  
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**PROPOSED SEWER TRENCHES:**  
 1. ALL SEWER TRENCHES SHALL BE 18" WIDE AND 24" DEEP.  
 2. ALL SEWER TRENCHES SHALL BE INSTALLED AT A MINIMUM SLOPE OF 0.01.  
 3. ALL SEWER TRENCHES SHALL BE INSTALLED AT A MINIMUM SLOPE OF 0.01.

**PROPOSED SEWER PIPES:**  
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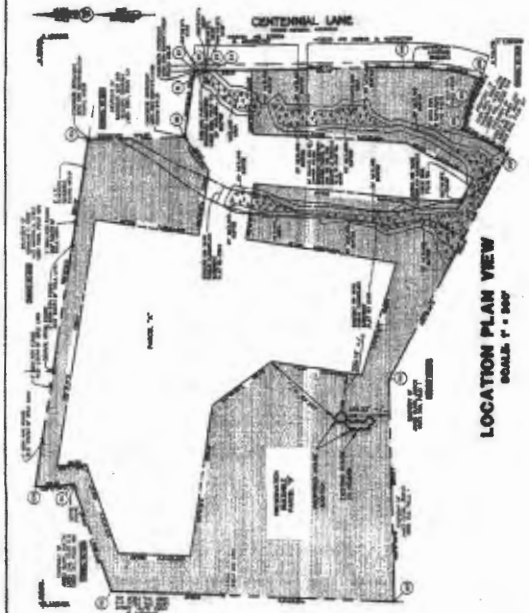
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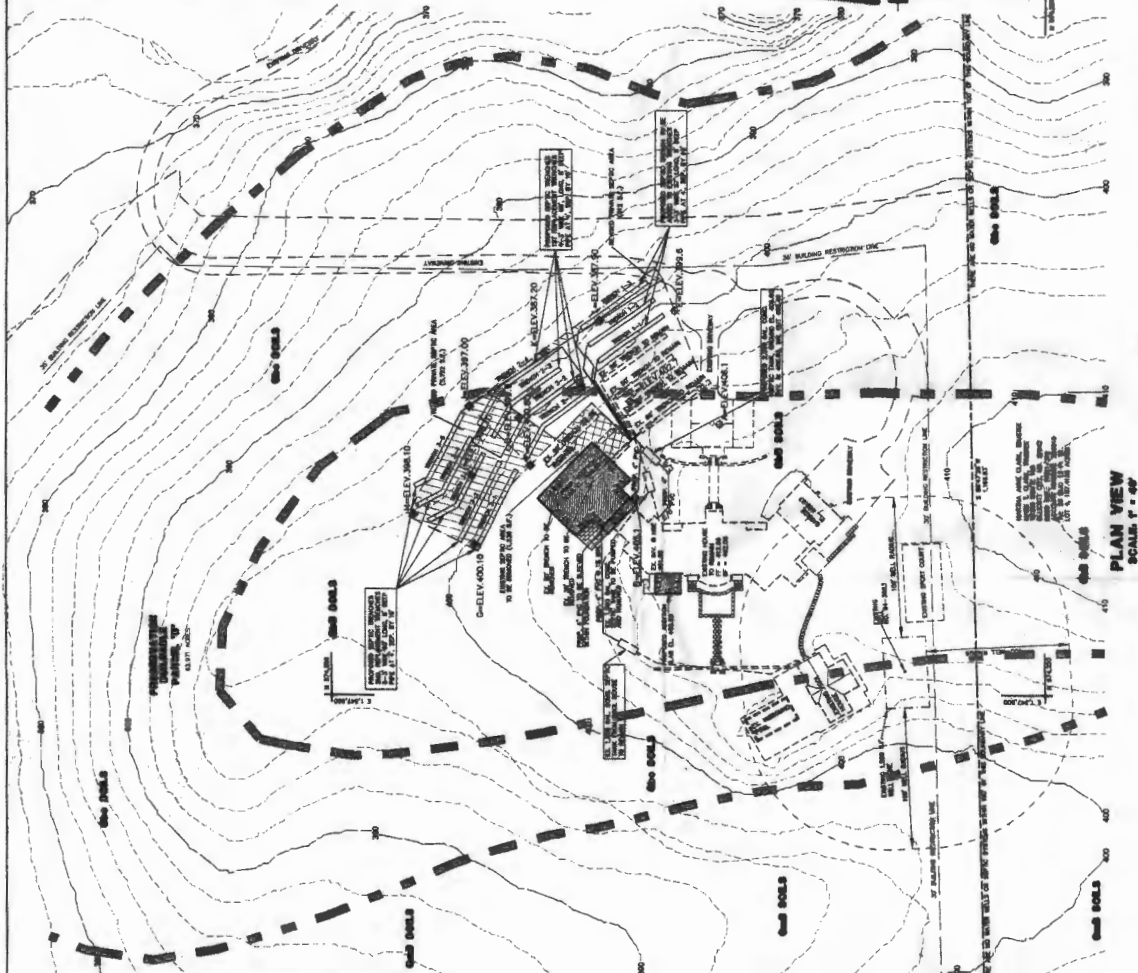
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**LOCATION PLAN VIEW**  
 SCALE: 1" = 50'

**SEWER SYSTEM INFORMATION**

LINE NO.	START POINT	END POINT	DIAMETER	SLOPE	LENGTH
1	MANHOLE 1	MANHOLE 2	12"	0.01	100'
2	MANHOLE 2	MANHOLE 3	12"	0.01	100'
3	MANHOLE 3	MANHOLE 4	12"	0.01	100'
4	MANHOLE 4	MANHOLE 5	12"	0.01	100'
5	MANHOLE 5	MANHOLE 6	12"	0.01	100'
6	MANHOLE 6	MANHOLE 7	12"	0.01	100'
7	MANHOLE 7	MANHOLE 8	12"	0.01	100'
8	MANHOLE 8	MANHOLE 9	12"	0.01	100'
9	MANHOLE 9	MANHOLE 10	12"	0.01	100'
10	MANHOLE 10	MANHOLE 11	12"	0.01	100'
11	MANHOLE 11	MANHOLE 12	12"	0.01	100'
12	MANHOLE 12	MANHOLE 13	12"	0.01	100'
13	MANHOLE 13	MANHOLE 14	12"	0.01	100'
14	MANHOLE 14	MANHOLE 15	12"	0.01	100'
15	MANHOLE 15	MANHOLE 16	12"	0.01	100'
16	MANHOLE 16	MANHOLE 17	12"	0.01	100'
17	MANHOLE 17	MANHOLE 18	12"	0.01	100'
18	MANHOLE 18	MANHOLE 19	12"	0.01	100'
19	MANHOLE 19	MANHOLE 20	12"	0.01	100'
20	MANHOLE 20	MANHOLE 21	12"	0.01	100'
21	MANHOLE 21	MANHOLE 22	12"	0.01	100'
22	MANHOLE 22	MANHOLE 23	12"	0.01	100'
23	MANHOLE 23	MANHOLE 24	12"	0.01	100'
24	MANHOLE 24	MANHOLE 25	12"	0.01	100'
25	MANHOLE 25	MANHOLE 26	12"	0.01	100'
26	MANHOLE 26	MANHOLE 27	12"	0.01	100'
27	MANHOLE 27	MANHOLE 28	12"	0.01	100'
28	MANHOLE 28	MANHOLE 29	12"	0.01	100'
29	MANHOLE 29	MANHOLE 30	12"	0.01	100'
30	MANHOLE 30	MANHOLE 31	12"	0.01	100'
31	MANHOLE 31	MANHOLE 32	12"	0.01	100'
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72	MANHOLE 72	MANHOLE 73	12"	0.01	100'
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83	MANHOLE 83	MANHOLE 84	12"	0.01	100'
84	MANHOLE 84	MANHOLE 85	12"	0.01	100'
85	MANHOLE 85	MANHOLE 86	12"	0.01	100'
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87	MANHOLE 87	MANHOLE 88	12"	0.01	100'
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89	MANHOLE 89	MANHOLE 90	12"	0.01	100'
90	MANHOLE 90	MANHOLE 91	12"	0.01	100'
91	MANHOLE 91	MANHOLE 92	12"	0.01	100'
92	MANHOLE 92	MANHOLE 93	12"	0.01	100'
93	MANHOLE 93	MANHOLE 94	12"	0.01	100'
94	MANHOLE 94	MANHOLE 95	12"	0.01	100'
95	MANHOLE 95	MANHOLE 96	12"	0.01	100'
96	MANHOLE 96	MANHOLE 97	12"	0.01	100'
97	MANHOLE 97	MANHOLE 98	12"	0.01	100'
98	MANHOLE 98	MANHOLE 99	12"	0.01	100'
99	MANHOLE 99	MANHOLE 100	12"	0.01	100'



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

**LEGEND**

- Existing Utility
- Proposed Sewer Line
- Proposed Manhole
- Proposed Trench
- Proposed Sewer Pipe
- Proposed Sewer Manhole
- Proposed Sewer Trench
- Proposed Sewer Pipe
- Proposed Sewer Manhole
- Proposed Sewer Trench

**PROFESSIONAL CERTIFICATION**

STATE OF MARYLAND  
 PROFESSIONAL ENGINEER  
 MARYLAND BOARD OF PROFESSIONAL ENGINEERS  
 License No. 12345

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

1000 WASHINGTON BLVD  
 WASHINGTON, DC 20004  
 TEL: 202-462-1000  
 FAX: 202-462-1000

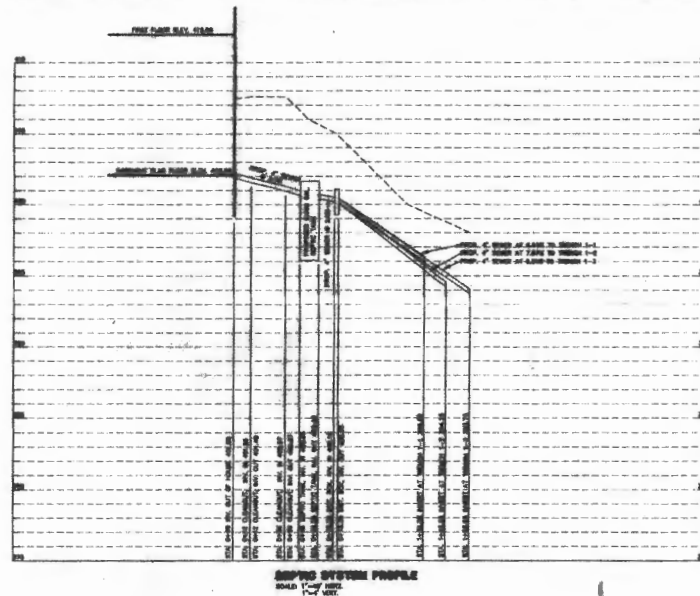
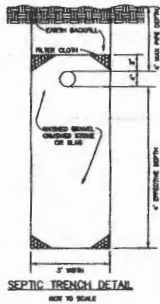
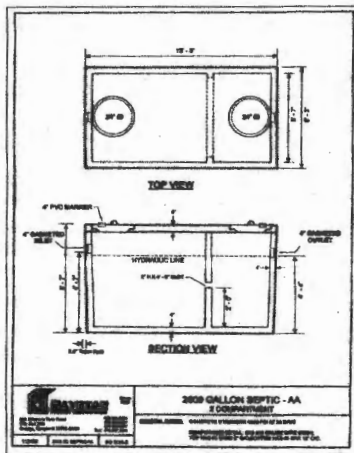
**SHEET 1 of 2**

**SEPTIC SYSTEM PLAN**

**BERG RESIDENCE**  
**AT 4866 CENTRAL LANE**  
**ELLCOTT CITY MD. 21042**

APPROVED: [Signature]  
 DATE: 10/15/17

PROJECT: BERG RESIDENCE  
 SHEET: 1 OF 2  
 DRAWN BY: [Name]  
 CHECKED BY: [Name]



**PROFESSIONAL CERTIFICATION**

PROFESSIONAL CERTIFICATION IS REQUIRED. I HEREBY CERTIFY THAT THIS DOCUMENT HAS BEEN PREPARED OR APPROVED BY ME, AND THAT I AM A QUALIFIED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 2206, EXPIRES DATE 9-30-14.

Signature: *[Handwritten Signature]*  
 Name: Michael A. Gifford  
 Title: Professional Engineer  
 Address: 500 WOODS HILL ROAD  
 ROCKVILLE, MD. 21702



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

699 WOODS HILL ROAD  
 ROCKVILLE, MD. 21702  
 PHONE: 410-502-8543  
 FAX: 410-502-8546

**SHEET 2 of 2**

**SEPTIC SYSTEM PLAN**

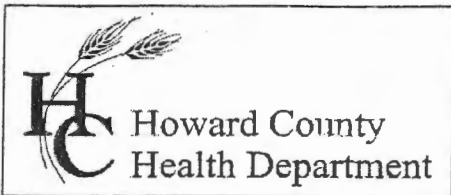
**BERG RESIDENCE  
 AT 4680 CENTENNIAL LANE  
 ELLICOTT CITY MD. 21042**

2ND DISTRICT  
 SCALE AS SHOWN  
 TAX MAP 30

BLOCK 1

HOWARD COUNTY, MARYLAND  
 DRAIN ON: JULY 18, 2017  
 PARCEL OR

ZPODDE: 21042



**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: 8/2/2017 **ONSITE SEWAGE DISPOSAL SYSTEM** P 561480

APPROVAL DATE: 8/17/17 **PERMIT: CONSTRUCTION** A 560623

PROPERTY ADDRESS: 4580 CENTENNIAL LANE, ELICOTT CITY, MD 21042

SUBDIVISION: COVENANT BAPTIST CHURCH WEST COLUMBIA LOT: P. 'B' TAX ID: 02-383861

CONTRACTOR: CHARLES A. KLEIN & SONS, INC. EMAIL: SHARON@CAKLEIN.COM

CONTRACTOR ADDRESS: 5220 KLEES MILL ROAD, SYKESVILLE, MD 21784 PHONE: 410-549-6960

PROPERTY OWNER: ROBERT S. and LISA A. BERG EMAIL: Tony 443-463-0813

OWNER ADDRESS: 4580 CENTENNIAL LANE, ELICOTT CITY, MD 21042 PHONE: 443-939-0656

SEPTIC TANK SIZE (GALLONS): 2000 TANK MANUFACTURER: BABYLON

PUMP MODEL: N. A. PUMP SIZE N. A. PUMP TANK CAPACITY: N. A.

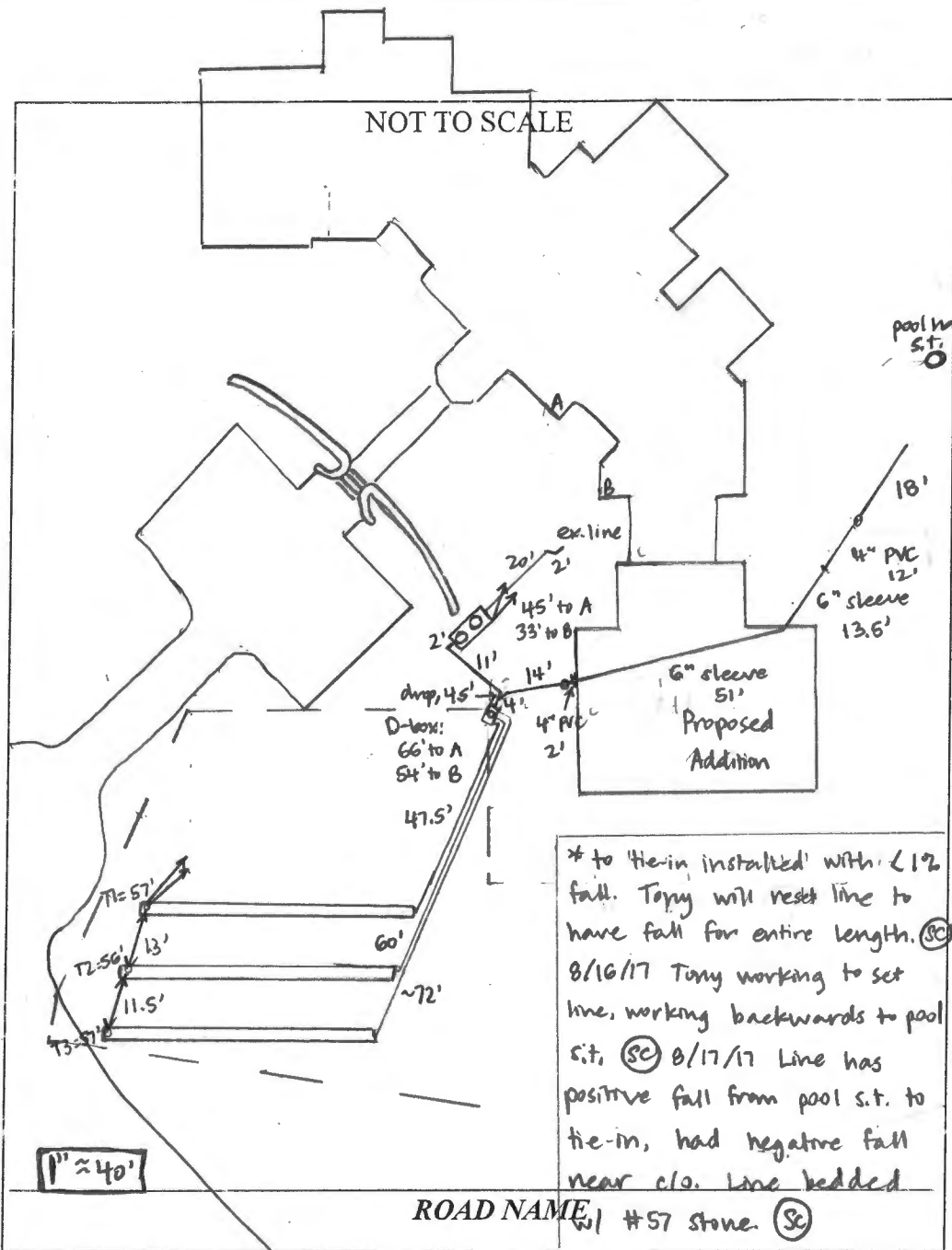
DISTRIBUTION SYSTEM:  GRAVITY  PRESSURE DOSED BEDROOMS: 7 APPLICATION RATE: 0.8

TRENCHES:	LINEAR FEET REQUIRED: <u>171</u>	INLET DEPTH: <u>4</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>8</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>6</u>
LOCATION:	<b>PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.</b>	
NOTES:	CONFIRM LOCATIONS OF 4 EXISTING 55-FT TRENCHES PRIOR TO PRE-CONSTRUCTION MEETING.	

ISSUED BY: D BERNARD ISSUE DATE: 8/2/2017 EXPIRATION DATE: 8/2/2018

- 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  
 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.**



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	4'	8'
NUMBER OF TRENCHES		7
TOTAL LENGTH		385'
ABSORPTION AREA		1155' + SIDEWALL
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	1-3'
BAFFLES	YES
BAFFLE FILTER	NO
MANHOLE LOC	FRONT + REAR
6" PORT LOC	NONE
WATERTIGHT TEST	NO
SLOTTED	YES
DATE ON LID	7-4-17

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	

\* to tie-in installed with < 1% fall. Tony will reset line to have fall for entire length. (SC)  
 8/16/17 Tony working to set line, working backwards to pool s.t. (SC) 8/17/17 Line has positive fall from pool s.t. to tie-in, had negative fall near c/o. Line bedded

**PRE-CONSTRUCTION:**

8/7/17 Met Tony from Charles A. Klein on site for layout. SDA corner stakes present. addition not stake. Pulled measurements to get dimensions of addition. New tank to be 15-20' off addition. D-box uncovered, baffle present. OK to keep existing D-box. (SC)  
 8/8/17 Tony used camera to locate lowest existing trench. Dug up @ beginning + found pipe into trench. End marked from camera location. Shot contour + laid out 3x57' trenches below existing, 12' center to center. (SC)

INSTALLATION: 8/8/17 Tank set. Less cover on N side, more cover on S side. (SC) 8/9/17 Old tank pumped by Freedom + crushed in place. (SC) 8/10/17 T6 finished + left open for inspection. 3' wide + 3.5' to stone. Tank connected to D-box. Tony used a laser to check depths while digging. Hit rock 4-5' deep @ end of T4. On site for the start of digging T6 - 3' wide, 8' bottom. (SC) 8/11/17 T2 complete + left open at ends for inspection. T3 partially dug + filled with stone - 3' wide, 3.5' to stone. Tony waiting on stone delivery. (SC) 8/14/17 Lines tied into D-box, leveled speed levelers. T7 complete. Line from pool house septic tank sleeved with 6" PVC under future addition - has minimal fall, old line had no fall near tie-in to main line. Shot elevations at tank outlet + tie-in - 0.75% fall possible. Line from pool septic tank

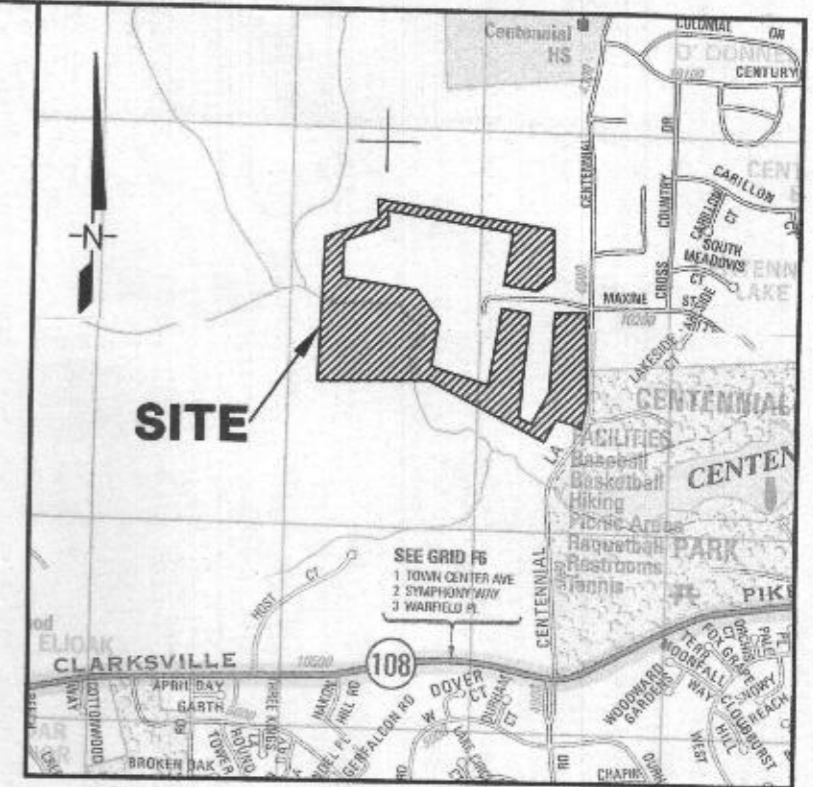
FINAL INSPECTOR Sarah Collins DATE OF APPROVAL 8/17/17

**GENERAL NOTES:**

1. THIS SITE CONSISTS OF 62.970 ACRES.
2. TAX ACCOUNT NUMBER: 383861
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  
LISA ANNETTE BERG  
4580 CENTENNIAL LANE  
ELLICOTT CITY, MD. 21045  
PHONE: 443-939-0656
7. DEVELOPER: ROBERT SCOTT BERG  
LISA ANNETTE BERG  
4580 CENTENNIAL LANE  
ELLICOTT CITY, MD. 21045  
PHONE: 443-939-0656
8. BUILDER: MOLIOR CONSTRUCTION LLC, C/O GREG VOGLE  
10401 STEVENSON ROAD  
STEVENSON, MD. 21153  
MHIC 107180, MHR 6476  
PHONE: 410-804-5957
9. NO PROPERTY LINE SURVEY HAS BEEN MADE AT THIS TIME.
10. THE EXISTING UTILITIES HAVE NOT BEEN FIELD VARIFIED 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.

**TOPOGRAPHY NOTE:**

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



**VICINITY MAP**

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

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

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

INDEX OF SHEETS	
SHEET 1 OF 3	GENERAL NOTES, AND VICINITY MAP
SHEET 2 OF 3	LOCATION PLAN
SHEET 3 OF 3	PLAN VIEW

**SHEET 1 of 3  
SITE PLAN  
BERG RESIDENCE  
AT 4580 CENTENNIAL LANE  
ELLICOTT CITY MD. 21042**

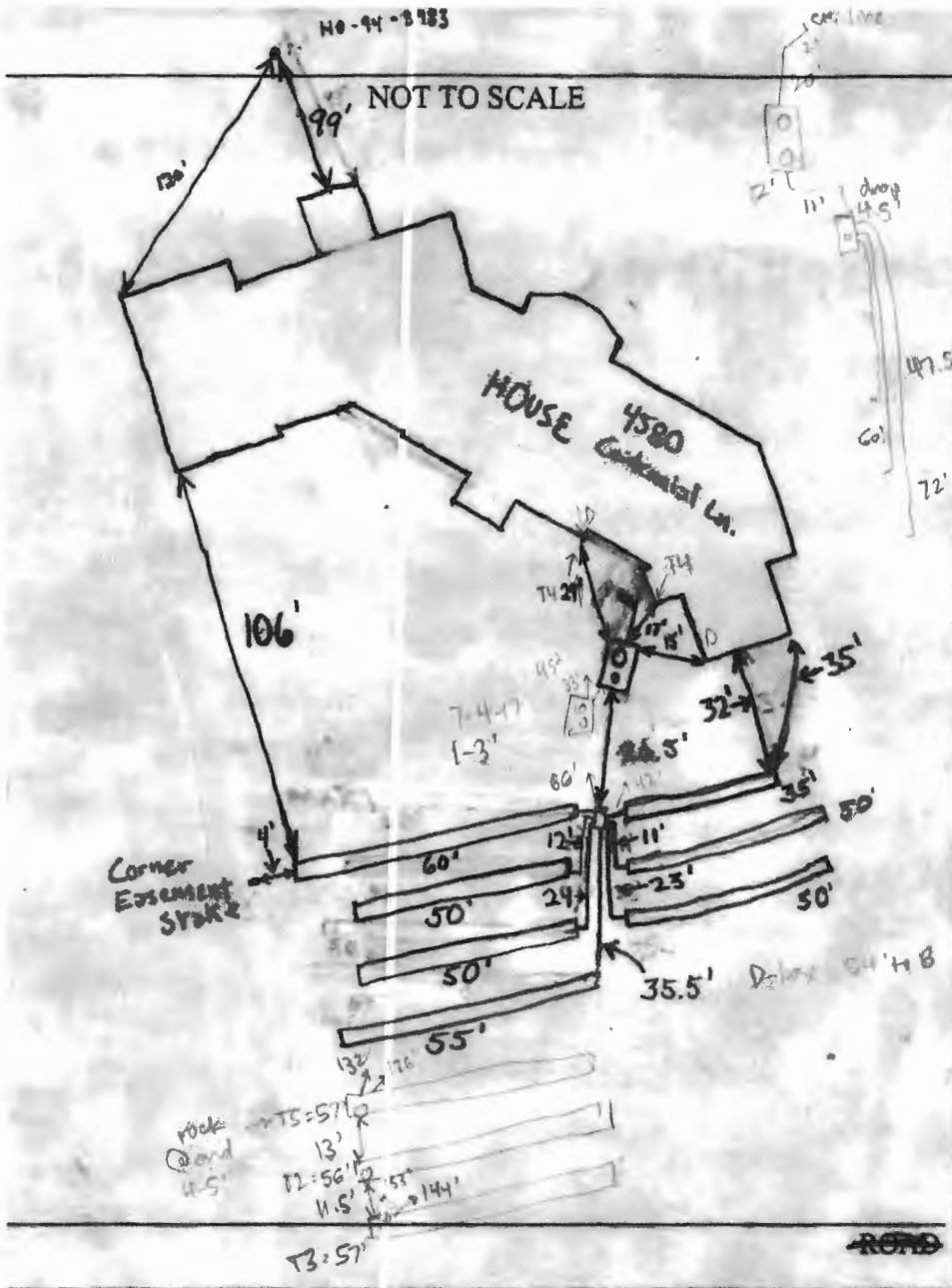
2ND DISTRICT  
SCALE: AS SHOWN  
TAX MAP 30

BLOCK 1  
ZIPCODE: 21042

HOWARD COUNTY, MARYLAND  
DRAWN ON: AUGUST 14, 2017  
PARCEL 001







TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3	4	8
NUMBER OF TRENCHES		7
TOTAL LENGTH		350
ABSORPTION AREA		1050 SF
DISTRIBUTION BOX LEVEL		Levelers
DISTRIBUTION BOX BAFFLE		Yes
DISTRIBUTION BOX PORT		No

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	Yes
CAPACITY	1500 GAL
SEAM LOC	Top
TANK LID DEPTH	1.5-3'
BAFFLES	Yes
BAFFLE FILTER	No
MANHOLE LOC	Front
6" PORT LOC	Rear
WATERTIGHT TEST	N/A
<del>SEPTIC TANK 2 LEVEL</del>	
<del>CAPACITY</del>	<del>_____ GAL</del>
<del>SEAM LOC</del>	<del>_____</del>
<del>TANK LID DEPTH</del>	<del>_____</del>
<del>BAFFLES</del>	<del>_____</del>
<del>BAFFLE FILTER</del>	<del>_____</del>
<del>MANHOLE LOC</del>	<del>_____</del>
<del>6" PORT LOC</del>	<del>_____</del>
<del>WATERTIGHT TEST</del>	<del>_____</del>

PRE-CONSTRUCTION D-Box to be in center of SDA to accommodate trenches both directions.

7 trenches on contour in both directions from D-Box.

INSTALLATION 5/23/05 Tank installed, no house connection (GAC 5/23/05 PM

Tank and Trenches installed as per instruction. Some area on left side of SDA (facing the House) not used. This area was under the driveway and use would have blocked the only access to site. Still no SHC. (GAC 1/18/06 House

connection made (BB)

FINAL INSPECTOR GAC & BB DATE OF APPROVAL 1/18/06