



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

A/P 527206

AGENCY REVIEW: _____

DATE 6/12/07

DO NOT WRITE ABOVE THIS LINE

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S) TO:

CHECK AS NEEDED:

- ☐ CONSTRUCT NEW SEPTIC SYSTEM(S)
☐ REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM
☒ REPLACE AN EXISTING SEPTIC SYSTEM

CHECK AS NEEDED:

- ☐ NEW STRUCTURE(S)
☐ ADDITION TO AN EXISTING STRUCTURE
☒ REPLACE AN EXISTING STRUCTURE

CHECK ONE:

- ☐ CREATE NEW LOT(S)
☐ BUILD ON AN EXISTING LOT IN A SUBDIVISION
☒ BUILD ON AN EXISTING PARCEL OF RECORD

IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- ☐ YES
☒ NO

THE TYPE OF STRUCTURE IS:

- ☒ RESIDENTIAL WITH 6 PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE (NOTE **UNKNOWN** IF APPROPRIATE)
☐ COMMERCIAL (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/ CUSTOMERS ON ACCOMPANYING PLAN)
☐ INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) Darryl and Lawanda Britt

DAYTIME PHONE 301-134-213213 CELL _____ FAX _____

MAILING ADDRESS 13941 Clarksville Pike Highland MD 20777-9528
STREET CITY/TOWN STATE ZIP

APPLICANT Charles P. Johnson & Associates, Inc. - BRIAN DAVILA

DAYTIME PHONE (301)434-7000 CELL _____ FAX (301)434-7010

MAILING ADDRESS 1751 Elton Road, Suite 300 Silver Spring MD 20903
STREET CITY/TOWN STATE ZIP

APPLICANT'S ROLE: DEVELOPER BUILDER BUYER RELATIVE/FRIEND REALTOR **CONSULTANT**

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME Britt Residence LOT NO. 8

PROPERTY ADDRESS 13941 Clarksville Pike Highland
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 40 GRID 15 PARCEL(S) 412 PROPOSED LOT SIZE 5.69 Acres

AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN.

TEST RESULTS WILL BE MAILED TO APPLICANT.

SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

AP 527206

A

Str Brown
SCL
CW/SBK
WSP

mic & gtzite

Str Brown
SCL
CW

35% large
cobbles

Lt. Brown grey
SCL (weakly
~20% mic/schist

B

Brown Lm
SBK CW

Str Brown SCL
SBK CW
faint roots
15-20%
cobbles
30% mottles

Str Brown SCL
35% large
cobbles

Lt grey brown
SL
~30%
mottles
large (10")
cobbles
not hard

C

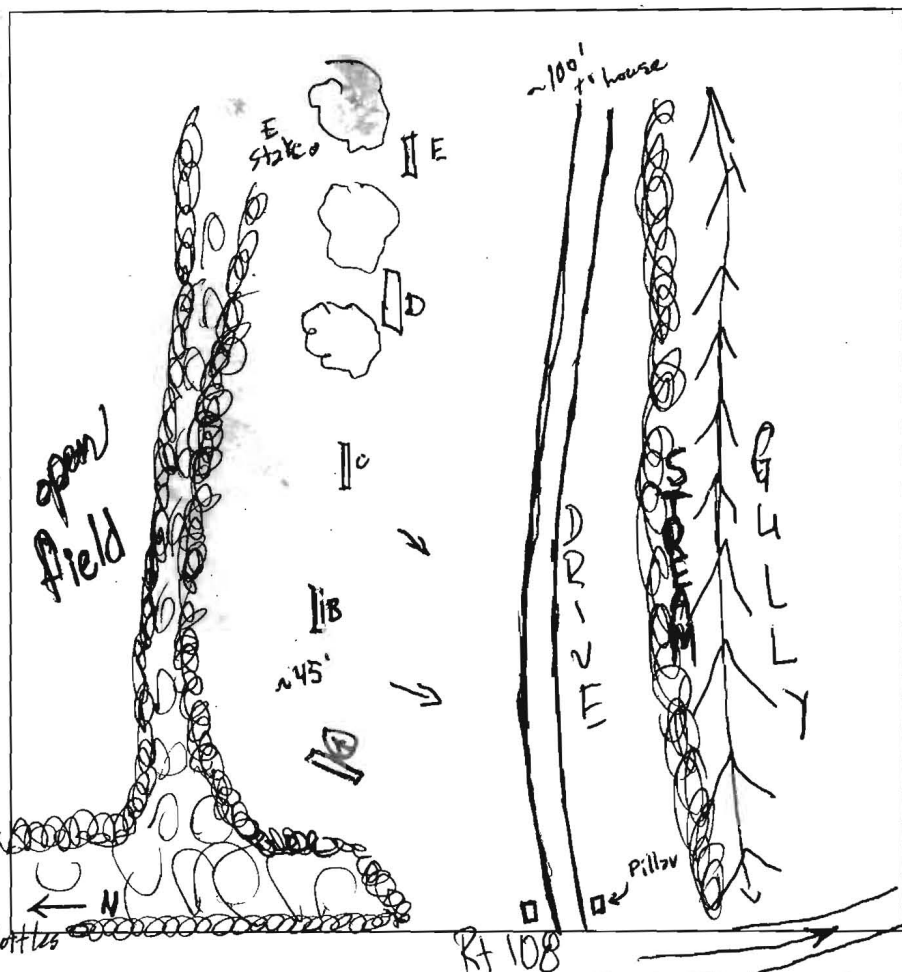
Brown Lm
SBK CW

Str Brown SBK
CW
CL-SCL
15-20%
yellow cobbles
Red-yellow
30 mottles

layer of ~50%
cobbles @ 5'

Yellow Red
HSL-SCL

Lt grey brown
SL
~20%
cobbles
hard



D

Brown FSL
SBK (faintly)

Str Brown
SCL SBK

Str Brown
SCL dense
~25-30%
Cobbles

Red Yellow
HSL
~35%
cobbles -
boulders
w/ some decayed
mic schist

E

Brown Lm

Red Yellow
SBK CLm
~20%
qtzite

35% qtzite
& Fe-manganese
inclusions SCL

Faint Brown Yellow
Brown SL-SCL
w/ Red Yellow
Yellow Red
m 20 mottles

Yellow Red
SL

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
7/10/07	A	4/13	10:21	10:23	10:26	3 m	OK H
	B	4/12	10:59	slow pulled			H
	C	5 1/4 11	11:28	slow pulled			H
	B ₁	7/12	12:00	12:15	12:30	15 m	OK H
	C ₁	8 1/4 11	12:15	12:17	12:21	4	OK H
	D	6 1/2/12	12:55	1:07	1:32	25 m	H
	E	4 1/2/12	2:09	Pulled slow would pass deeper, but would need wet season tests any way			H

GAB
is soil
Glenville
* Coburns
holes were
to be in Manor
but soils
indicate
GAB

REMARKS: Mottles in B/C/indications of alluvium (Coburns) wet season needed

SANITARIAN: GAC BACKHOE: Felton Exc. OTHERS: Bruce Coburn

TEST HOLES USED IN SDA: _____ AVG. PERC TIME: _____ SQ. FT/BR: _____

TRENCH WIDTH: _____ INLET DEPTH: _____ MAX. BOT DEPTH: _____ EFFECTIVE S/W: _____



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PROPERTY OWNER(S) _____

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS _____
STREET CITY/TOWN STATE ZIP

APPLICANT _____

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS _____
STREET CITY/TOWN STATE ZIP

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PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME _____ LOT NO. _____

PROPERTY ADDRESS _____
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) _____ GRID _____ PARCEL(S) _____ PROPOSED LOT SIZE _____

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TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

A/P

2F ALM

Brn 10 hor.	6"
Reddy-Yellow Brn HSL sbk	18
Yellow Brn Heavyish SL sbk-Few cobbles	40"
Brn Yellow LS ~ 25% very weathered mica	5'
Yellow Red LS 20% WW mica	6 1/2'
Grey-Yellow Brn LS 20% WW mica & few small qtz cobbles roots down	10'
	13

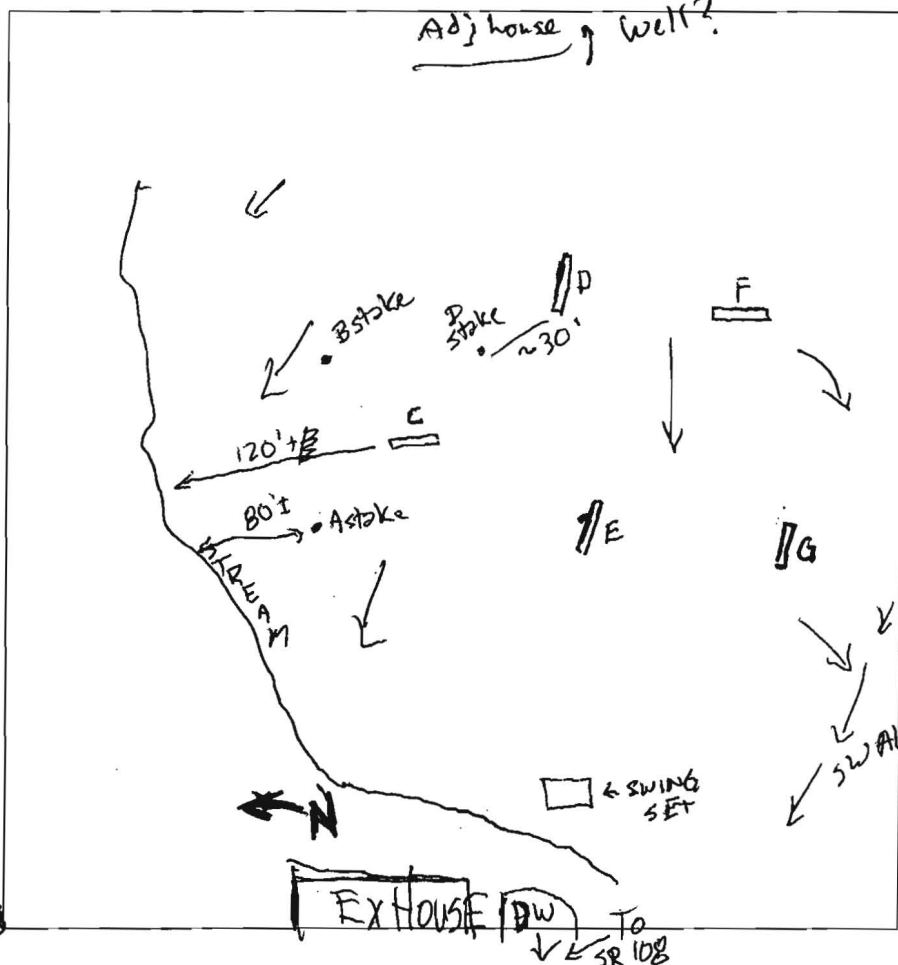
2D

Thin O (B/C)	1"
WKA dk yellow Brn HSL few channels	8"
Yellow Brn sbk SL (H) very of at zite cobbles	2 1/2'
lt Yellow Brn SL-HSL	6
Yellow Brn SL-LS rooty ~ 45% very weak sm. mica channels/ sa profile	11
Yellow Brn LS	
pretty hard	13

2C

Thin B/C	1"
WKA dk yellow w/ fine roots	8"
Yellow Brn chan SL ~ 30% small W mica	18"
Yellow Brn chan. SL 25% mica	20"
Yellow Red SL w/ 30% cobbles	6'
Yellow Brn SL ~ 15% W mica	8'
roots	
few flags ~ 15"	13
@ bottom	

Adj house, well?



2F

Thin A/O	2"
DK Yl. Brn sbk SL many roots	10"
Yellow Brn SL Heavy sbk common roots	3'
lt yellow Brn SL ~ 10% small mica chan.	6'
lt olive Brn SL-LS ~ 20% sm. wk. mica chan. Platy Str. (degraded mica) roots to +	11
Some w/ some small flags - heavy HSL	13

2G

DK Brn A/O	6"
DK Yellow Brn HSL 10% channels schist?	3'
gray Brn SL-LS	6'
DK Yellow Brn SL w/ pocket of schist chans. & small flags ~ 20% overall	10
DK Yl. Brn SL	12

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
8/10/07	2E	2 1/2 / 13	10:09	10:15	10:28	13m	P
	↓	4 / 13	5m at 10:15 est		below 3 1/2		DP
	2D	3 1/2 / 13	10:59	11:01	11:04	3m	P
	2C	3 / 13	stop watch 00:00	1:55s	2:40s	1m 45s	Repour
		Repour			3rd time	2m 15s	P
	2F	3 / 13	12:25	12:27	12:30	3m+	P
	2G	4 / 12	est	5m @	3ft		P

REMARKS (2) C, D, E, F, G

SANITARIAN GAC BACKHOE Fulton EXC. OTHERS —TEST HOLES USED IN SDA — AVG. PERC TIME 25m SQ. FT/BR 1.2 gpd/sq ftTRENCH WIDTH 3 INLET DEPTH 3 MAX. BOT DEPTH 6 EFFECTIVE S/W 3ft

7BR @ 145' per system



Theodore M. Visnic

1684 East Gude Drive, Suite 102 • Rockville, Maryland 20850

OFFICE: (301) 309-6470

FAX: (301) 309-8820

www.mbvisnic.com

October 30, 2007

Howard County Bureau of
Environmental Health
7178 Columbia Gateway Drive
Columbia, MD 21046

Attn: Mr. Stuart Oster

Re: Demolition Letter Request
13941 Clarksville Pike
Highland, MD 20777
(Perc. Cert. Plan # A527206)

Dear Mr. Oster:

I am preparing to submit a demolition permit application for the existing single family dwelling located at 13941 Clarksville Pike, Highland, MD 20777. Our intention is to demolish the existing house and build a new house in the same general location. We have an approved Percolation Certification Plan (#A527206) for the drainfield location for the new house. I was informed yesterday that the Percolation Cert. Plan has been approved.

I am writing to request a letter from your department stating that you have no objection to our plan to demolish the existing structure. Please contact me if any additional information is required. I can be reached at the telephone and fax numbers printed on this page, on my mobile telephone at (240) 672-7558, or via e-mail at mmicek@mbvisnic.com. My mailing address is 1684 East Gude Drive, Suite 102, Rockville, MD 20850. If possible, I would like to pick up the Demo letter this week when I pick up the Percolation Certification Plan.

Sincerely,

Michael C. Micek
Purchasing & Estimating Manager
MB Visnic, Inc.



Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046-2147
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Peter L. Beilenson, M.D., M.P.H., Health Officer

8/13/2007

To: Attn: Bruce Coburn
MB Visnic, Inc.
1684 East Gude Drive #102
Rockville, MD 20850

From: Gabe Creighton, Sanitarian
Well and Septic Program

Re: Percolation Testing: A527206
Britt Residence
13941 Clarksville Pike
Highland, MD 20777
Demolition/Re-build

Mr. Coburn,

Percolation testing conducted 7/10/2007 on the above referenced property indicated that seasonally saturated soils exist on the western portion of the property uphill of the driveway. A decision was made at that time that either a more suitable area should be found or the tests would have to be reviewed during the wettest portion of the year. It was decided that a more suitable area should be located and further percolation testing conducted on 8/10/2007 yielded suitable results, with some adjustment to the consultant's proposal. Preliminarily, it appears that an area has been located to serve the proposed new home with subsurface sewage disposal systems.

Further review of the project is contingent upon submittal of a Percolation Certification Plan as required by Howard County Code Subtitle 3.8. If possible at this time, include on this plan the footprint of the proposed house (in addition to the existing house footprint). Additionally, due to the proximity to the adjacent house at 13945 Clarksville Pike, the surveyor should field locate the well on that property, and indicate its surveyed location on the plan. Also, the consultant should show the location of the stream on the property and use care to ensure that no portion of the proposed septic reserve area is within 100 feet of the stream.

Enclosed for your reference is a summary of these regulations, a copy of the test notes, and a chart of applicable setbacks for residential development.

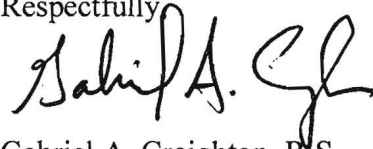
Upon receipt of the Percolation Certification Plan, this office will review the plan to ensure the application of state and local codes and regulations. If deemed appropriate, the plan will be approved. Upon approval of the Percolation Certification plan to support

Letter to: Bruce Coburn
Date: 8/13/2007
Re: Britt Residence

the demolition and replacement of the dwelling on the property, a demolition permit approval from the Bureau of Environmental Health may be obtained by requesting approval in writing to this office. Once this is completed, a building permit may be issued by this department when the appropriate permit application materials have been submitted.

If you have any questions regarding this process, or generally need to contact me, at this time or in the future, please do not hesitate to contact me directly at (410) 313-2775.

Respectfully

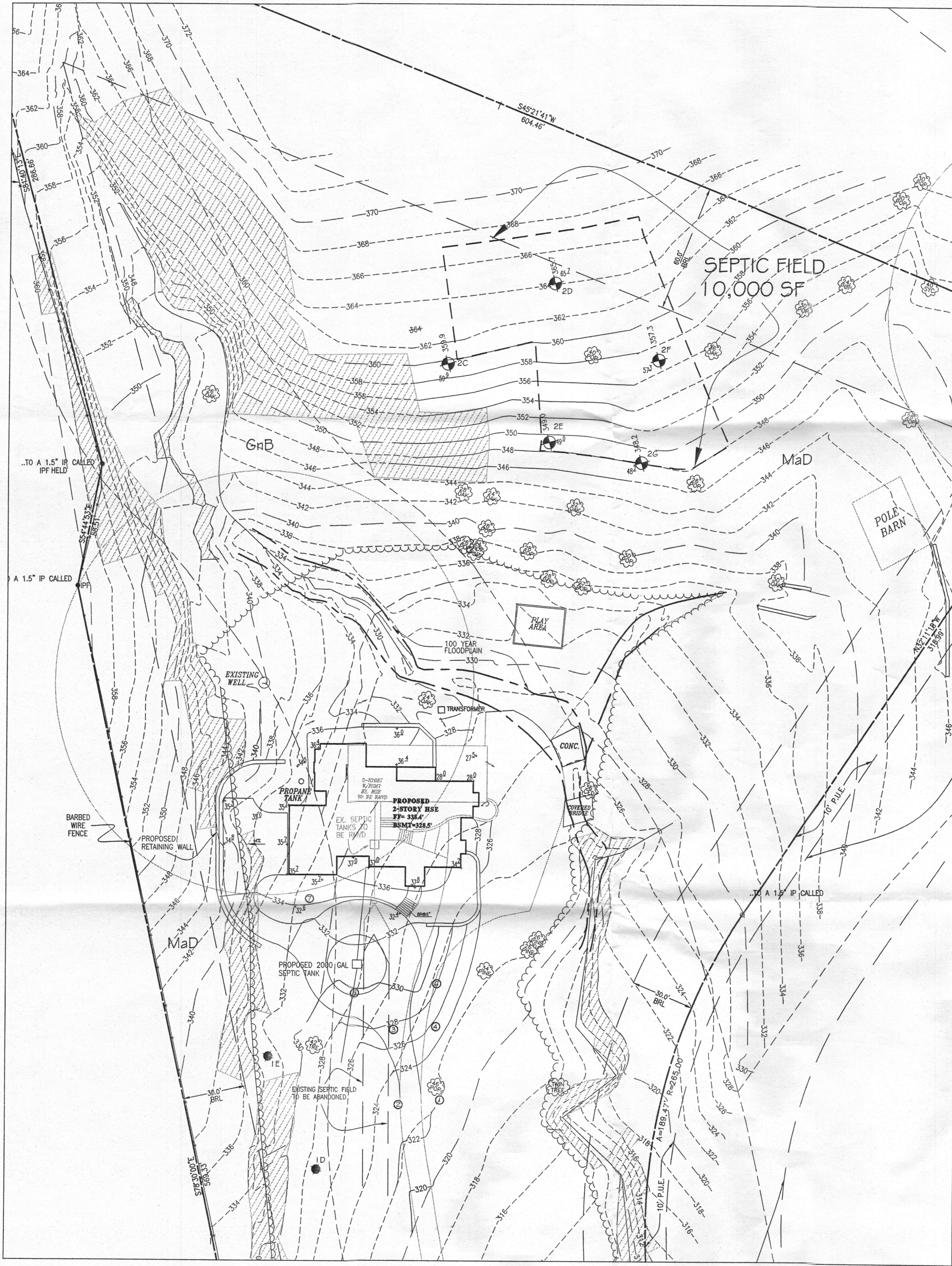
A handwritten signature in black ink, appearing to read "Gabriel A. Creighton". The signature is fluid and cursive, with a large initial "G" and "C".

Gabriel A. Creighton, R.S.
Development Coordination Section
Well and Septic Program

Enclosures

cc: File

Brian Davila (Sang Ahn), Charles P. Johnson Associates (Via Facsimile: 301-434-9394)



1971 PERC TESTS									
TEST NO.	TEST DATE	TESTER	TEST RESULTS	TEST RESULTS	TEST RESULTS	TEST RESULTS	TEST RESULTS	TEST RESULTS	TEST RESULTS
1	3/1	9/1	9/1	9/1	9/1	9/1	9/1	9/1	9/1
2	3/1	9/1	9/1	9/1	9/1	9/1	9/1	9/1	9/1
3	3/1	9/1	9/1	9/1	9/1	9/1	9/1	9/1	9/1
4	3/1	9/1	9/1	9/1	9/1	9/1	9/1	9/1	9/1
5	3/1	9/1	9/1	9/1	9/1	9/1	9/1	9/1	9/1
6	3/1	9/1	9/1	9/1	9/1	9/1	9/1	9/1	9/1
7	3/1	9/1	9/1	9/1	9/1	9/1	9/1	9/1	9/1
8	3/1	9/1	9/1	9/1	9/1	9/1	9/1	9/1	9/1
9	3/1	9/1	9/1	9/1	9/1	9/1	9/1	9/1	9/1
10	3/1	9/1	9/1	9/1	9/1	9/1	9/1	9/1	9/1

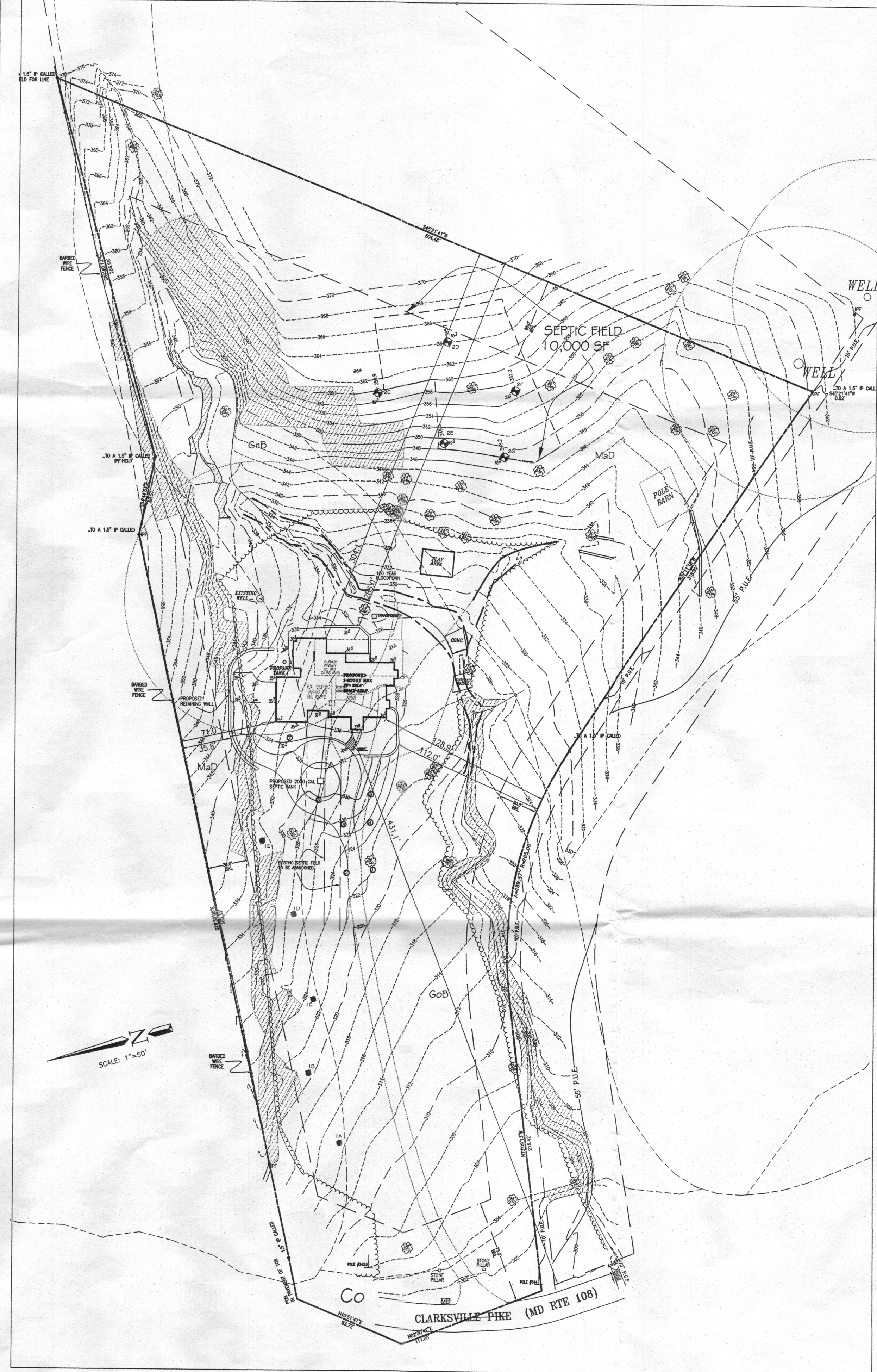
LEGEND	
---	EXISTING GRADE
---	PROPOSED GRADE
o 15	FINISHED GRADE SPOT ELEVATION
TW	TOP OF WALL
BW	BOTTOM OF WALL
EX	EXISTING GROUND
o	EXISTING PERC TESTS (1971)
o	EXISTING WELL
o	PROPOSED SEPTIC TANK
o	HOWARD COUNTY APPROVED PERC TESTS
o	TEST HOLES HELD FOR WET SEASON REVIEW
---	SOIL DIVIDES
---	PROPOSED SEPTIC TRENCH
---	SEWAGE DISPOSAL AREA
---	100 YEAR FLOODPLAIN
---	PROPOSED RETAINING WALL
---	EXISTING TREE LINE
---	EXISTING STREAM
---	AREAS WITH SLOPE 25% OR GREATER

NOTE:
New topo taken below new septic field location field shot 10-5-2007

NOTE:
The lot shown hereon complies with the minimum ownership width and lot area as required by the Maryland Department of Environment

NOTE:
Maryland Department of the Environment review of the proposal to cross the stream on this property with pressure sewer line is needed to determine whether a Non-Tidal Wetlands and Waterways Permit will be required. If required, a MDE Non-Tidal Wetlands and Waterways Permit will be obtained prior to the septic system installation on the property

NOTE:
All wells and septic systems on and within 100 feet of the property boundaries have been shown to the best of my knowledge.



GENERAL NOTES

SURVEY:

- HORIZONTAL DATUM BASED ON NAD83(NSRS2007)
- VERTICAL DATUM BASED ON NAVD88
- TOPO AT - 2' CONTOUR INTERVALS
- TOPOGRAPHY BASED ON FIELD RUN TOPO PERFORMED BY CPJ ON 05-01-07.
- 100 YR FLOODPLAIN LOCATED WITHIN THE SITE
- NO TITLE REPORT WAS FURNISHED FOR THIS PLAN

ZONING:

BRITT RESIDENCE: 13941 CLARKSVILLE PIKE, HIGHLAND MD 20777

- PROPERTY ZONED: RR-DEO
- LOT 8 - TAX MAP:40 - GRID:15 - PARCEL:412
- LOT SIZE: 5.69 AC
- FRONT YARD: 75.0'
- SIDE YARD: 30.0'
- REAR YARD: 60.0'
- LOT COVERAGE: 1.6%

MAXIMUM BUILDING HEIGHT: 40.0' (PROPOSED 33.5' TO MEAN ROOF)

HEALTH OFFICER'S CERTIFICATE

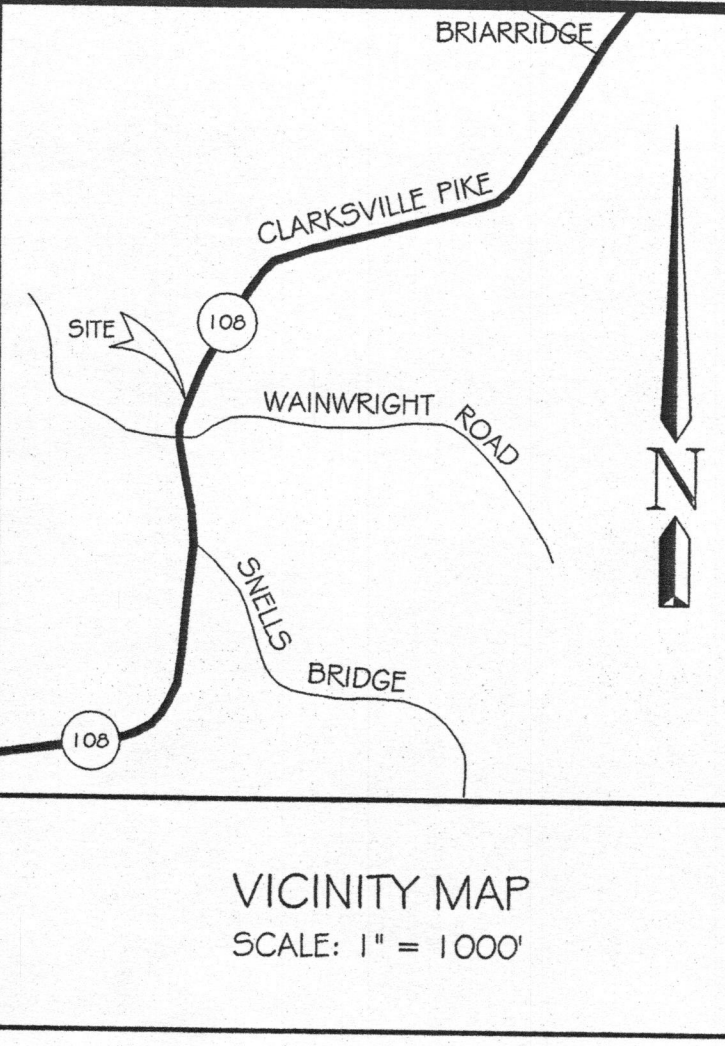
I HEREBY CERTIFY THIS PLAN IS APPROVED FOR PRIVATE WATER AND SEWAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY.

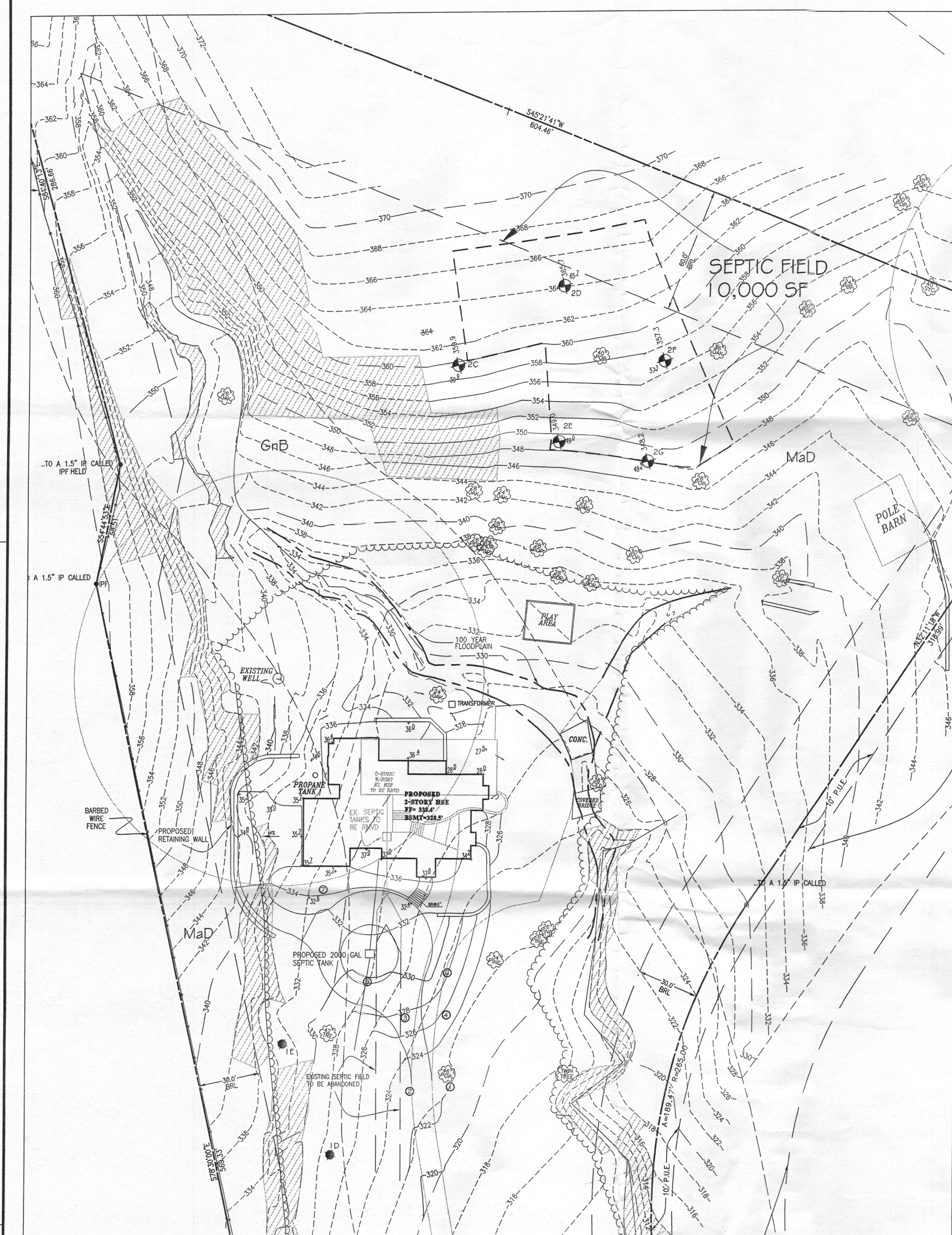
10/29/07
DATE
B. Nijm for Peter Bidleman
HOWARD COUNTY HEALTH OFFICER

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THE BOUNDARY INFORMATION SHOWN HEREON IS CORRECT AND TAKEN FROM AVAILABLE DEEDS AND RECORDS.

10/29/07
DATE
STEVE JONES
PROFESSIONAL LAND SURVEYOR
MD # 21072





NOTE:
DRIVEWAY SHALL CONSIST OF A MINIMUM OF SIX (6) INCHES OF CRUSHER RUN BASE WITH TAR AND CHIP COATING.

NOTE:
EXISTING SEPTIC TANK MUST BE REMOVED. PROPOSED SEPTIC TANK TO BE INSTALLED WHERE INDICATED IN PLAN VIEW.

NOTE:
MDE sewage disposal area statement for lots created before March 1972:
This area designates a private sewage disposal area as required by the Maryland Department of Environment for individual sewage disposal. Improvements of any nature in this area are restricted. This sewage disposal area shall be come null and void upon connection to a public sewerage system. The County Health Officer shall have authority to grant adjustments to the private sewage disposal area.

NOTE:
Any changes to a private sewage easement shall require a revised perc certification plan

1971 PERC TESTS

TEST NO.	TEST DATE	TESTER	TEST RESULTS
1	3/1	CPJ	10.0
2	3/1	CPJ	10.0
3	3/1	CPJ	10.0
4	3/1	CPJ	10.0
5	3/1	CPJ	10.0
6	3/1	CPJ	10.0
7	3/1	CPJ	10.0
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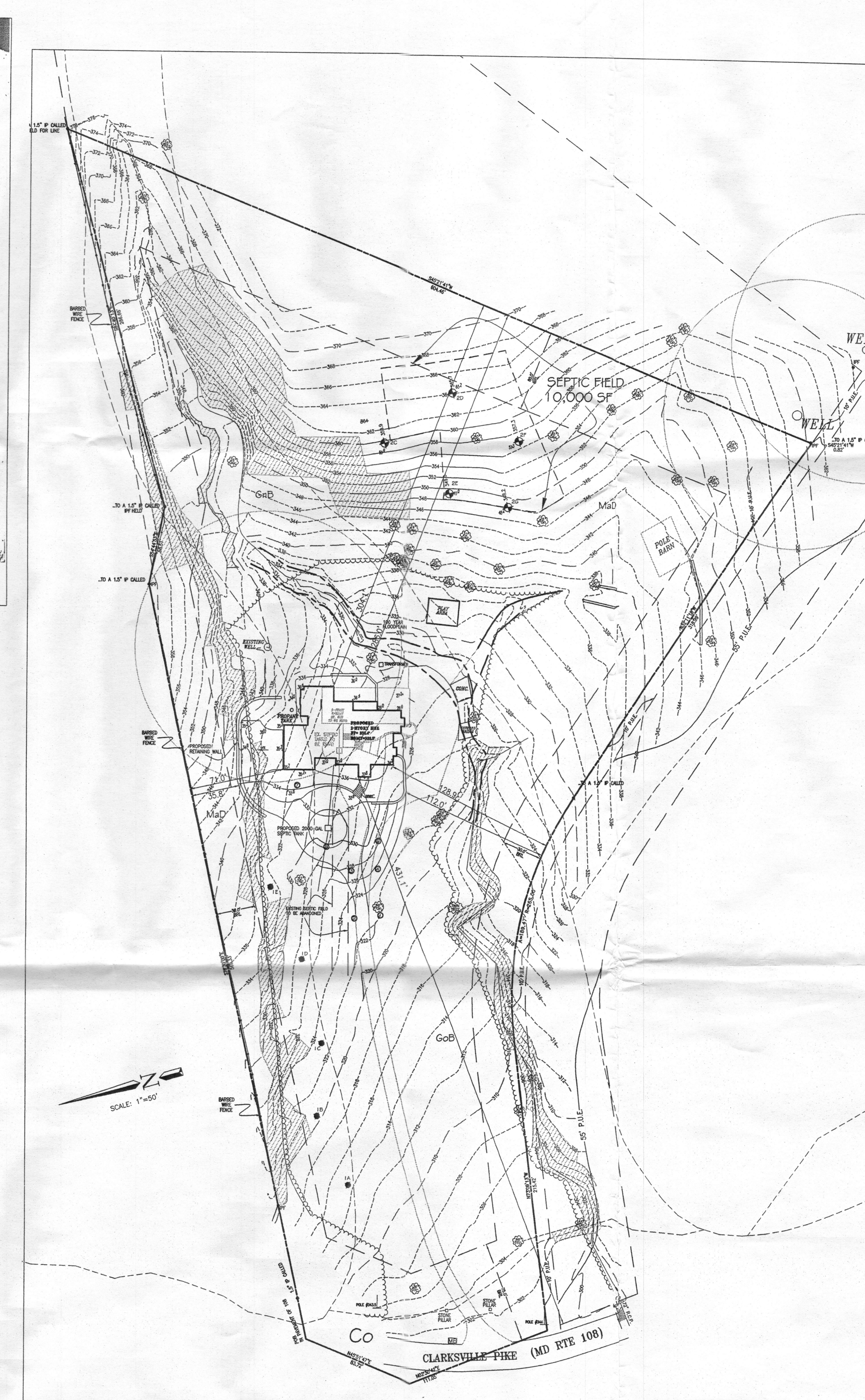
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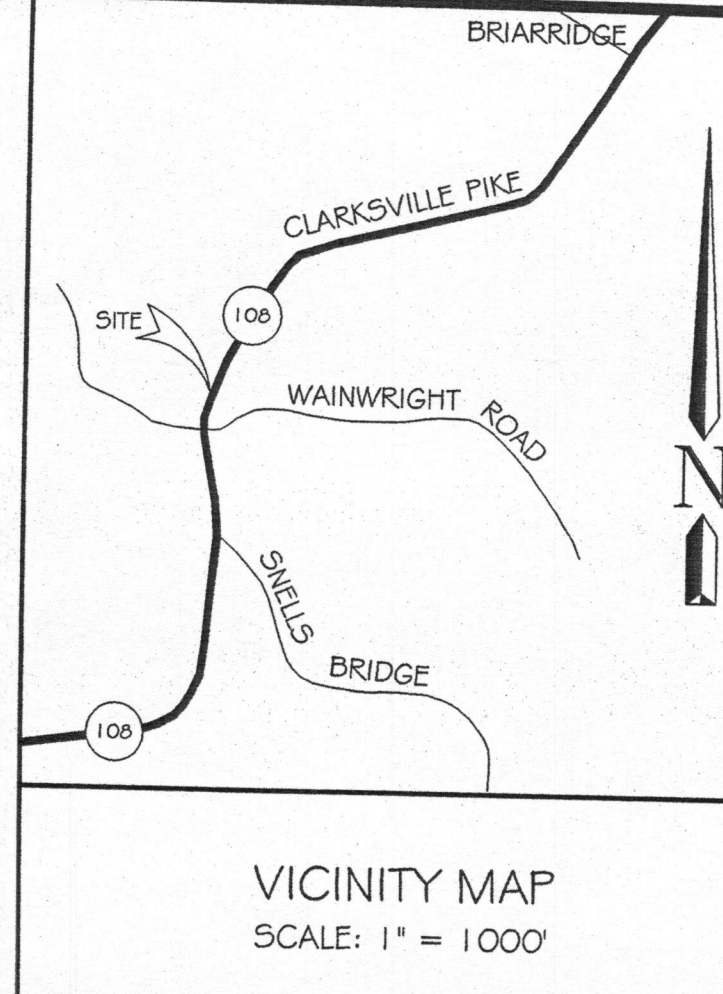
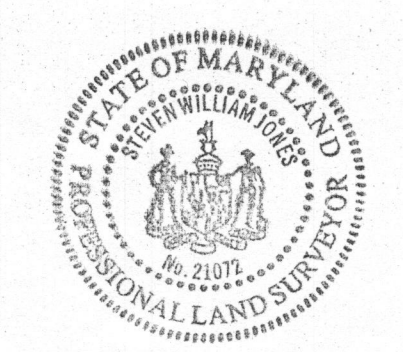
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HOWARD COUNTY HEALTH OFFICER

SURVEYOR'S CERTIFICATE
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STEVE JONES
PROFESSIONAL LAND SURVEYOR
NO. 21072





1971 PERC TESTS

PERC TESTS

DATE	TEST NO.	DEPTH	NO. OF PERC	TEST - 1/2 HOUR	TIME
7/1	1	3 ft	9 ft	9 ft	10:55
	2	3 ft	9 ft	9 ft	10:57
	3	9 ft	10 ft	10 ft	13:00
	4	9 ft	10 ft	10 ft	13:00
	5	9 ft	10 ft	10 ft	13:00
	6	9 ft	10 ft	10 ft	13:00
	7	9 ft	10 ft	10 ft	13:00
	8	9 ft	10 ft	10 ft	13:00

1971 PERC TESTS

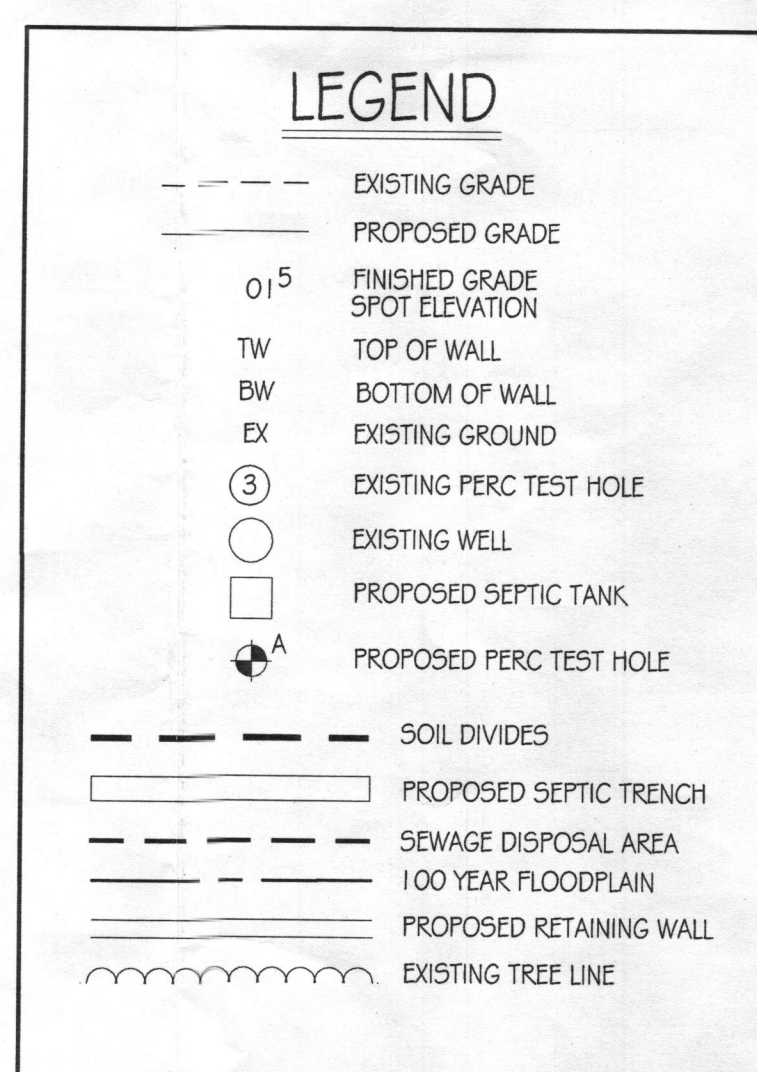
PERC TESTS

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THE BOUNDARY INFORMATION
SHOWN HEREON IS CORRECT AND TAKEN FROM
AVAILABLE DEEDS AND RECORDS.

DATE _____

RONALD COLLIER
PROFESSIONAL LAND SURVEYOR
MD # 20014



GENERAL NOTES

Britt Property

Current Zoning RR-DEO

Lot Size 247,856 SF or 5.69 Ac.

Area covered by building 3,975 SF

Street Address: 13941 Clarksville Pike, Highland, MO 20777

Top Map: Map-40 Grid-15 Parcel-412

Boundary by Charles P. Johnson & Assoc.
Topped at - 2' contour intervals

No Site Plan or Preliminary Plan is associated with this property

100yr Floodplain located within the site.

No Historic site located within/adjacent to the site.

Mean Roof Height = 33.5'

Building Setbacks

75' FRONT

30' SIDES

60' REAR

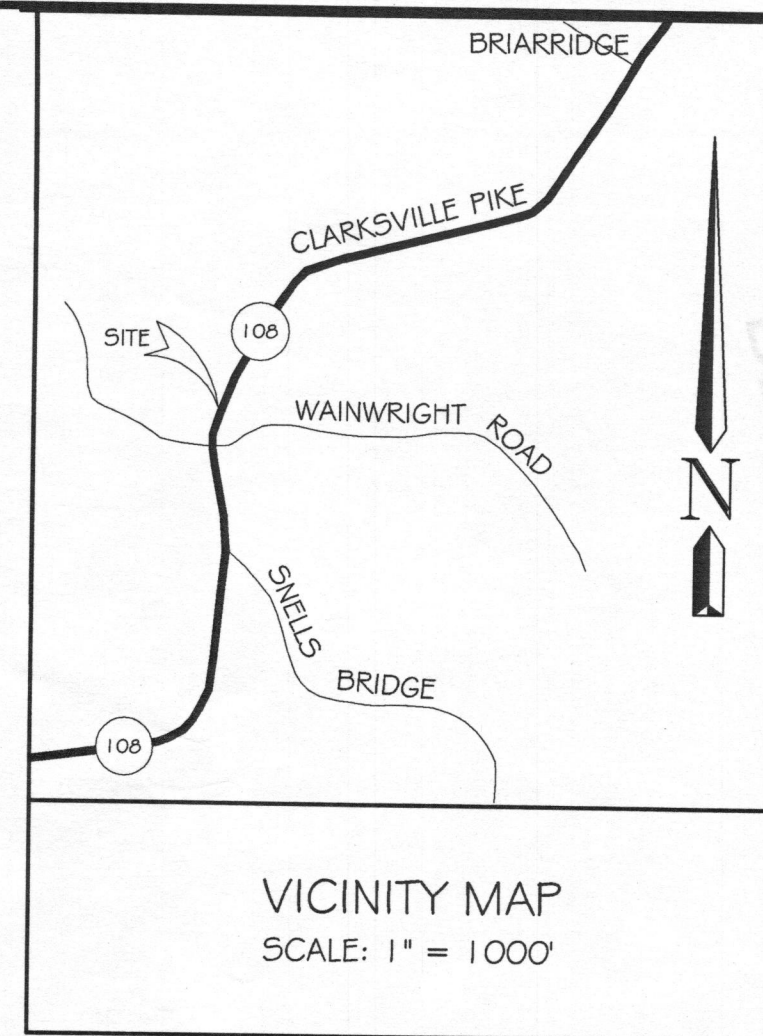
Average Front Elev.

33.4'

Building Height

33.50

MAXIMUM BUILDING HEIGHT 40'





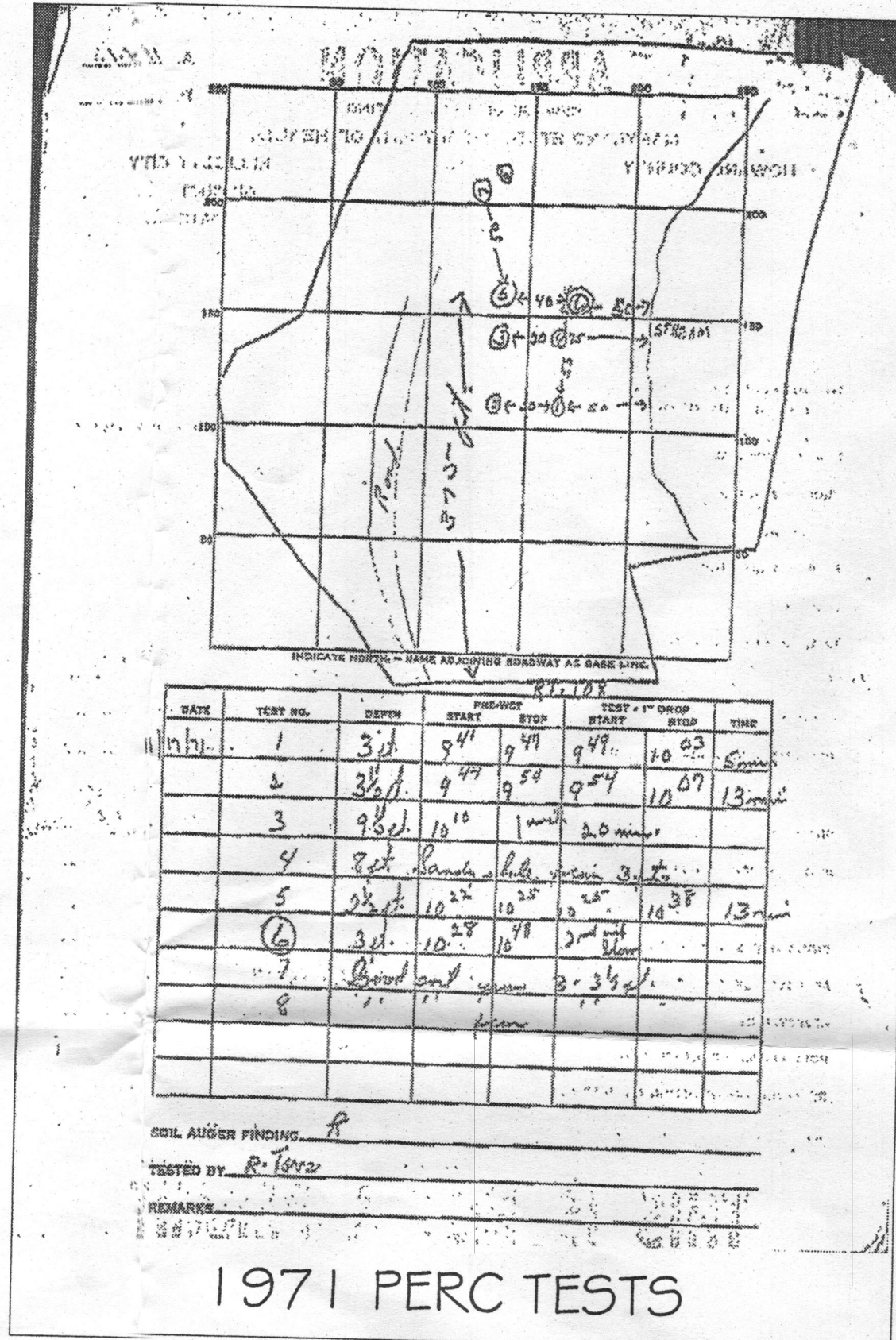
NOTE:
DRIVEWAY SHALL CONSIST OF A MINIMUM OF SIX (6) INCHES OF CRUSHER RUN BASE WITH TAR AND CHIP COATING.

NOTE:
EXISTING SEPTIC TANK MUST BE REMOVED. PROPOSED SEPTIC TANK TO BE INSTALLED WHERE INDICATED IN PLAN VIEW.

NOTE:
MDE sewage disposal area statement for lots created before March 1972:
This area designates a private sewage disposal area as required by the Maryland Department of Environment for individual sewage disposal. Improvements of any nature in this area are restricted. This sewage disposal area shall be come null and void upon connection to a public sewerage system. The County Health Officer shall have authority to grant adjustments to the private sewage disposal area.

NOTE:
Any changes to a private sewage easement shall require a revised perc certification plan

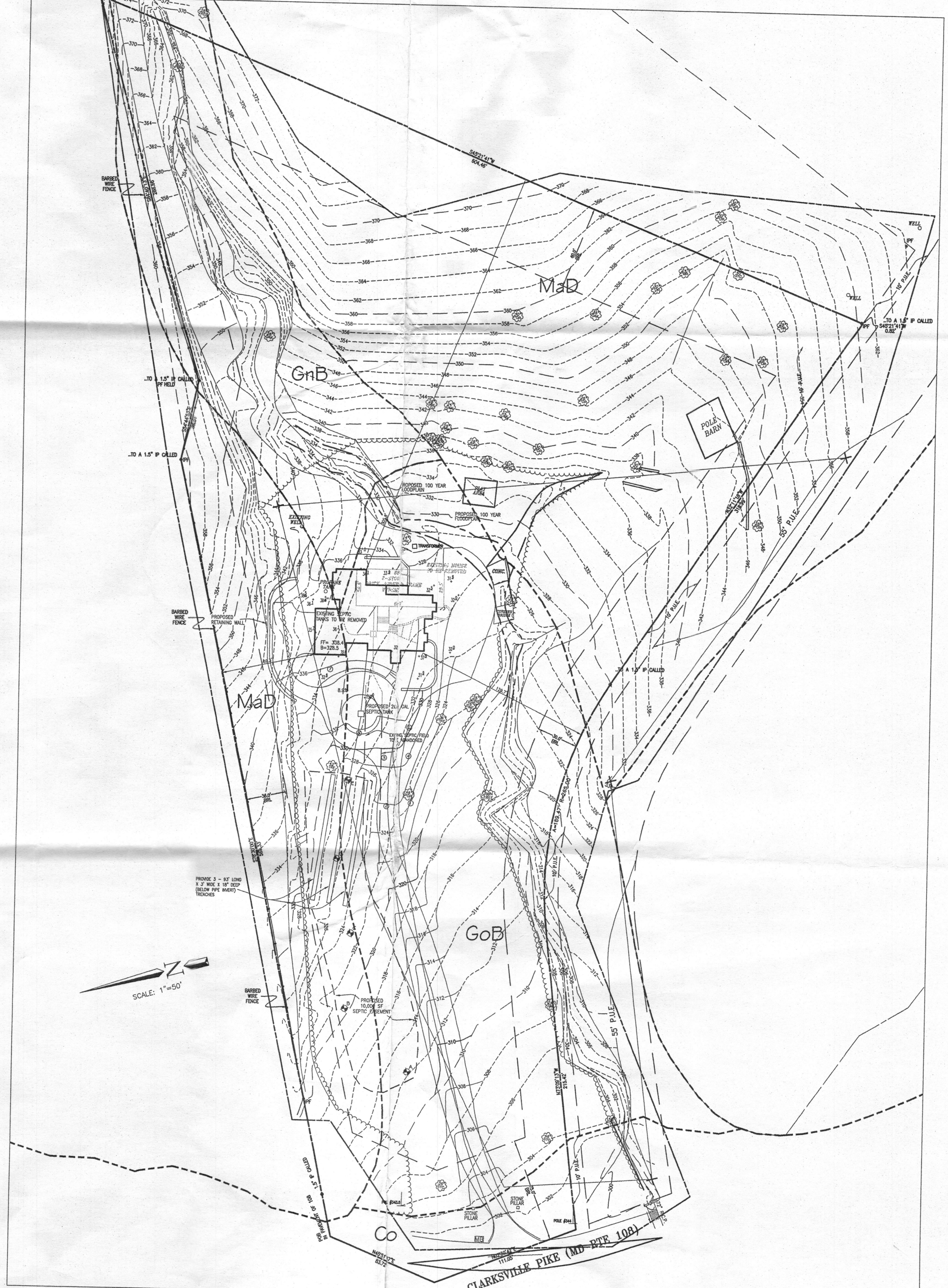
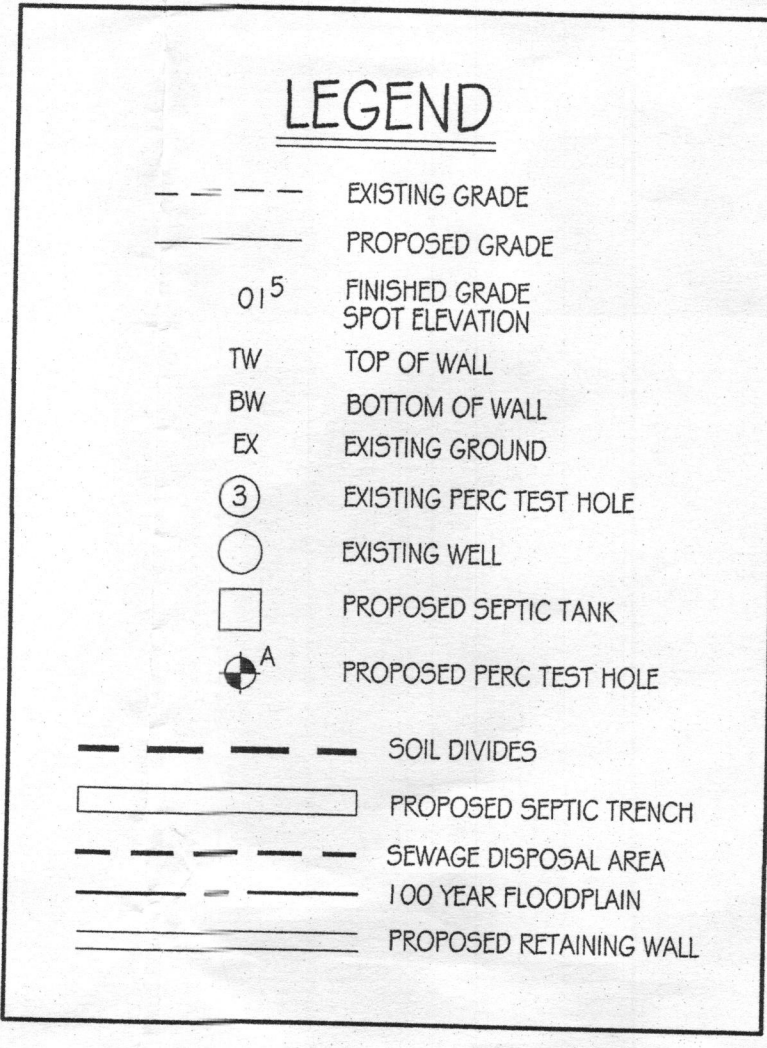
NOTE:
The lot shown hereon complies with the minimum ownership width and lot area as required by the Maryland Department of Environment



SURVEYOR'S CERTIFICATE
I HEREBY CERTIFY THAT THE BOUNDARY INFORMATION SHOWN HEREON IS CORRECT AND TAKEN FROM AVAILABLE RECORDS AND RECORDS.

DATE: _____
RONALD COLLIER
PROFESSIONAL LAND SURVEYOR
MD # 20014

NOTE:
This plan was prepared without the benefit of a title report



GENERAL NOTES

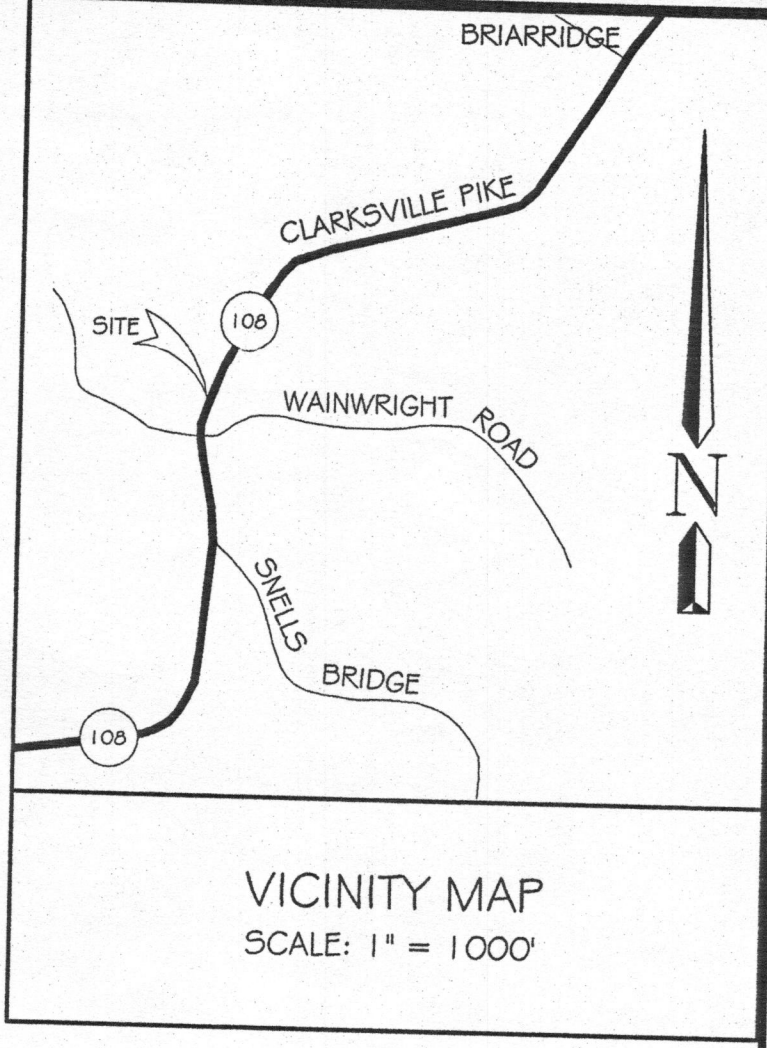
Britt Property
Current Zoning RR-DEO
Lot Size 247,856 SF or 5.69 Ac.
Area covered by building 3,975 SF

Street Address: 13941 Clarksville Pike, Highland, MD 20777
Tax Map: Map-40 Grid-15 Parcel-412
Boundary by Charles P. Johnson & Assoc.
Topo at - 2' contour intervals
No Site Plan or Preliminary Plan is associated with this property
100yr Floodplain located within the site.
No Historic site located within/adjacent to the site.
Mean Roof Height = 33.5'

Building Setbacks
75' FRONT
30' SIDES
60' REAR

Average Front Elev.
333.4'

Building Height
33.50
MAXIMUM BUILDING HEIGHT 40'



PERC CERTIFICATION PLAN
BRITT RESIDENCE
13941 Clarksville Pike, Highland, MD 20777
HOWARD COUNTY, MD

CPJ Charles P. Johnson & Associates, Inc.
Civil and Environmental Engineers • Planners • Landscape Architects • Surveyors
1700 Blaine Rd., Ste. 200 Silver Spring, MD 20903 301.484.7000 Fax: 301.484.8994
www.cpj.com • Gaithersburg, MD • Frederick, MD • Stevensville, MD • Fairfax, VA

DESIGN	JAB	DATE	DATE	DATE
DRAWN	SA	APPROVED	DATE	DATE
SHEET	1	OF	1	
FILE NO.	22-421-PERC Plan			