

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____ AD 521542

AGENCY REVIEW: _____ DATE 10/14/2004

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 4 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) MR. AND MRS. J. THOMAS SCRIVENER

DAYTIME PHONE (410) 964-5522 CELL _____ FAX _____

MAILING ADDRESS 8808 ^{SUITE 209} CENTRE PARK DRIVE COLUMBIA MARYLAND 21045-22
STREET CITY/TOWN STATE ZIP

APPLICANT MR. AND MRS. J. THOMAS SCRIVENER

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS JAME _____
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME LOTS 1 THRU 4 SCRIVENER PROPERTY - MANOR LAKE LOT NO. #4

PROPERTY ADDRESS 4411 W. MANOR LAKE ELLICOTT CITY
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 29 GRID 5 PARCEL(S) 19 PROPOSED LOT SIZE 55.74 Ac.

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.

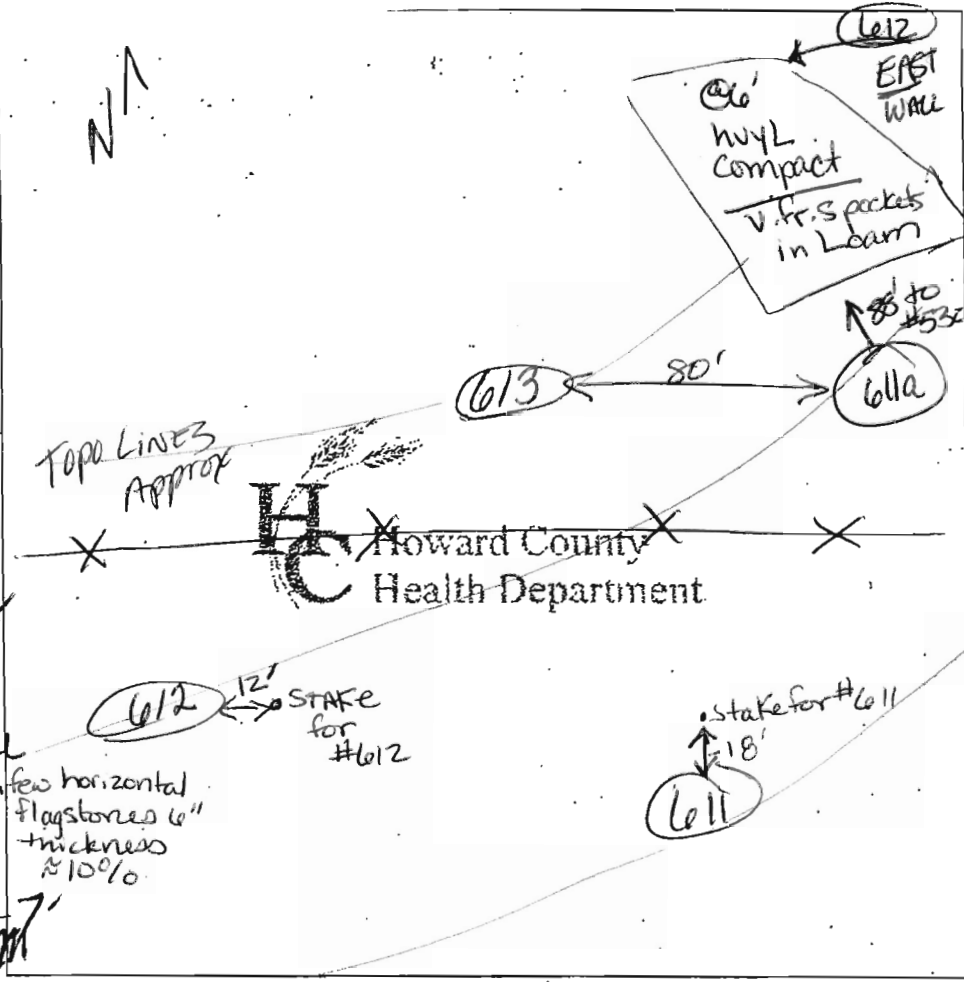
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MARYLAND 21043-4544 (410) 313-1771 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

nr (613)
 Str brn
 CL
 Compact
 4'
 TRANSITION
 Str brn
 1pl L-SL
 5-6'
 H brn
 Str brn
 SL-L
 V. friable
 mica 25-30%
 Trace Rx
 Bottom 15 1/2'

(611)
 NE WALL
 DK brn
 CL
 2 1/2'
 transition
 WK rd
 Si L-L
 5 1/2 - 7'
 brn, H brn
 Loam
 S.g., w.c.
 10'
 Mn.
 broken bands
 parent material
 white
 f.m. grains
 SAND
 Bottom 13 1/2'

@14' w/v. faint mottles
 brn matrix
 few grey mottles
 wky yellow
 MED gr. SAND



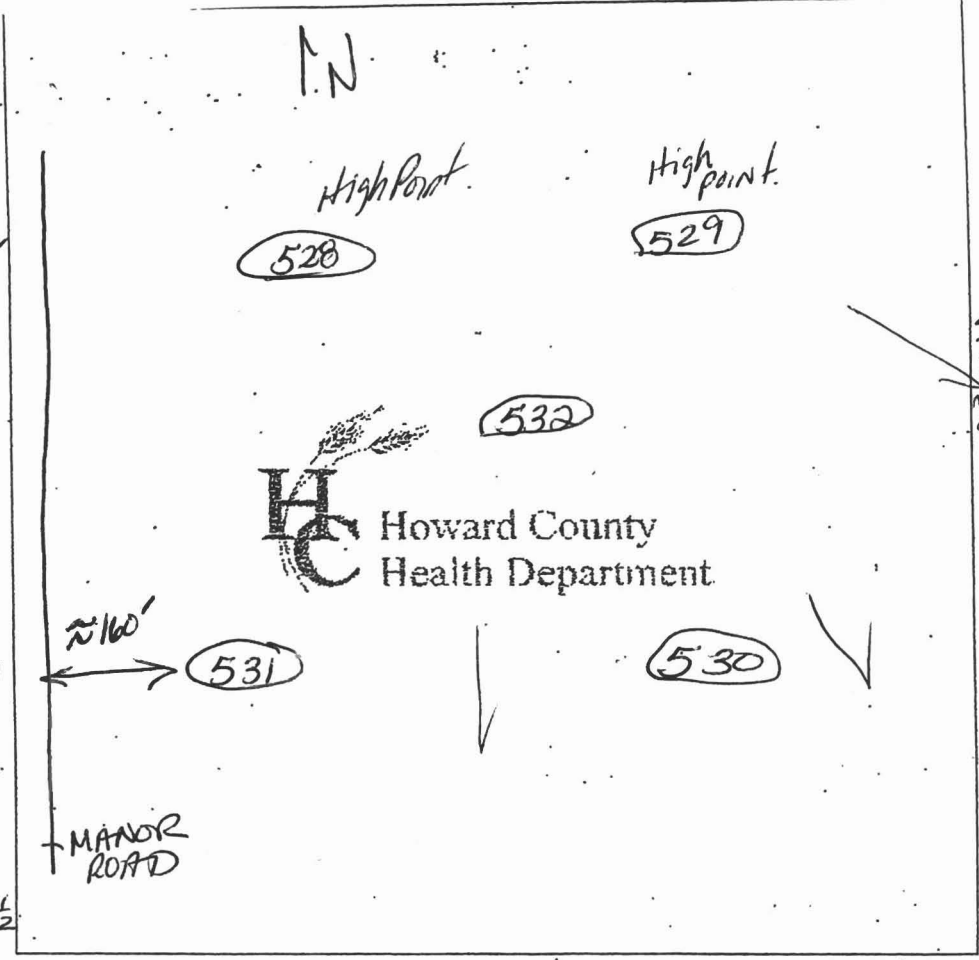
(612)
 Str rd brn
 CL Rx 5-10%
 7'
 Si TRANSIT.?
 w/rd brn
 brn, y brn
 L-SL
 white sand
 pocket
 v. micae
 SAND @ 11'
 Bottom 13 1/2'

(611a)
 Str brn
 hvy L SL
 Mica 10-15%
 4'
 H brn
 wky brn
 SL
 Friable
 Trace Rx
 12'
 v.f. H brn
 SAND
 Trace Rx
 Bottom 14 1/2'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
11-8-04	(613)	4 1/2'	TOO SLOW				repair deeper
		@ 8'	4 1/2 - 5 gallon	15:07	15:14	~2+	P
	(611)	6' 10"	14:41 ⁴⁰	15:01	3/4" to go to 2nd peg	TOO SLOW	F
	(611a)	5' 8"	15:58	16:02	16:07	5	P

REMARKS 611a NOT PER PLAN
 SANITARIAN Kalle BACKHOE Johnson, M OTHERS _____
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

AVP
 (531)
 Str brn
 hvyl -
 CL
 Compact
 (massive)
 6 1/2'
 H brn
 F-med gr
 LS-S
 S.g.
 Stable
 Trace Rx
 Bottom



Str rd
 brn
 CL
 Trace
 Rx
 7 1/2'
 white
 H brn
 med
 gr Sand
 pebbles
 30%
 Bottom

(528) (532)
 WK rd brn
 Str org
 hvyl -
 CL
 Cemented
 S.g.
 6 6 1/2'

H brn
 v.f. Sand
 Trace
 Rx
 (HOLE 532-5%
 WK sparticle)
 Bottom
 14 1/2'

(529)
 Str rd
 hvyl
 Dense
 2 1/2'
 3'
 H brn
 v.f.
 SAND
 Trace Rx
 Bottom
 15 1/2'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
11-5-07	(531)	6'2" S	14:15 ²⁰	14:37	14:37	SLOW WILL PERC @	7 1/2
TRANSITION ZONE APPROX 6-7'							
	(528)	6'10" S 7 2 S	14:18 14:40	TDD SLOW 14:42	14:44	2+	OK
	(532)	6' TDD SLOW 7 1/2 S	14:36	14:37 ¹⁰	14:39 ³⁰	2+	OK
	(529)	7 1/2 S	14:50	14:52 ⁺	14:54	2+	OK
	(530)	7 1/2 S	15:03	15:05	15:07 ⁺	2+	OK
HOLES SIZED @ 10" DIAMETER							
HOLES DUG ON STAKE							
Holes 528, 529, 530, 531, 532 homogeneous							

REMARKS TRANSITION ZONE NOT CLEARLY ESTAB- between 6-7 1/2

SANITARIAN Kacie BACKHÖE M. Johnson OTHERS _____

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

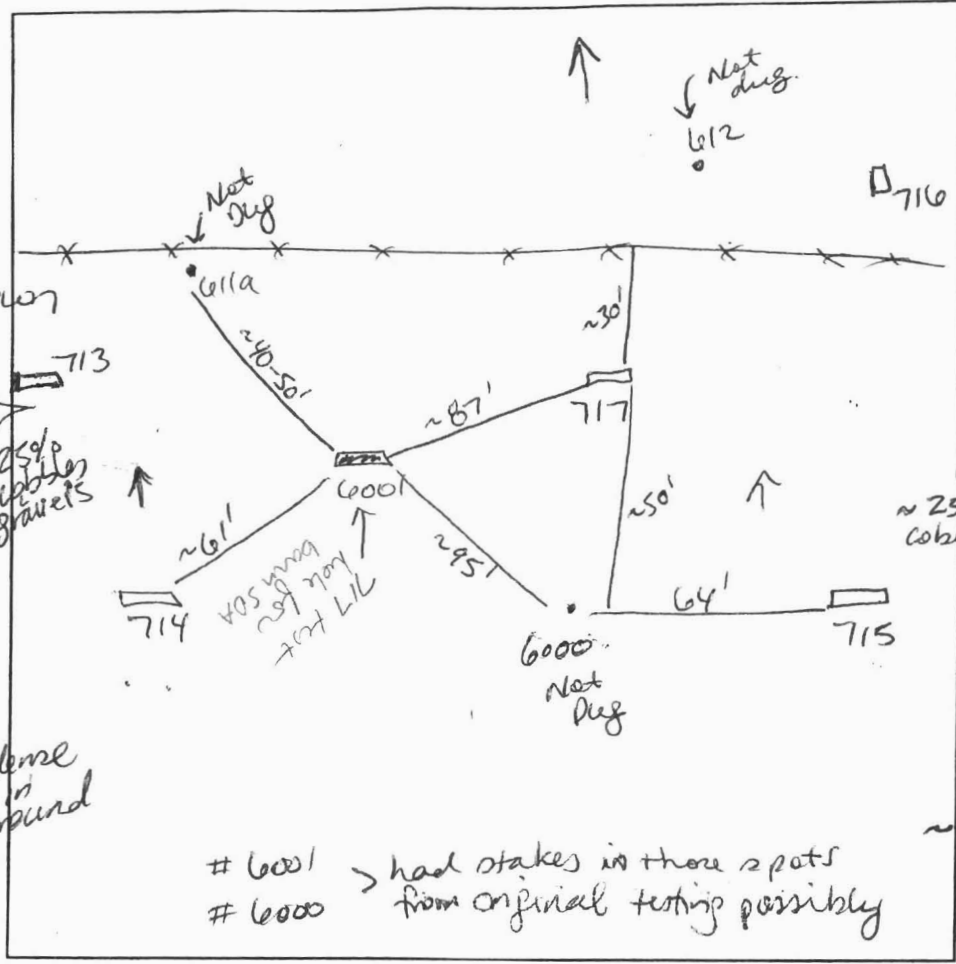
TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

AP 5260672
717

1' brown & lfsbk
24' st. brown scl medium sbk
9'5" brown/pale brown medium se gr squolite
13' brown medium se/lb sg squolite micaceous

716
2' brown & lfsbk
40% cobbles/sand
2' st. brown scl m dense micaceous
3' 20% quartz cobbles + rock grains
5' red brown heavy se fine/medium micaceous
26' brown fine se sg micaceous squolite
12'5" ~15% gravels

713
12' brown & red brown scl sbk micaceous 15% cobbles/gravels
23' red brown heavy se medium/coarse 10-15% quartz gravels
5' brown medium se gr micaceous squolite 5-10% gravels
12' + pale brown medium se most squolite micaceous
14'



1' brown & lfsbk
2' looser heavy
4' red brown medium se 15% cobbles/gravels
brown coarse se gr 15% cobbles/sand
13'5" HB

6001
2' brown & lfsbk gravelly
red coarse scl sbk ~15% gravelly cobbles
4'5" st. brown/brown coarse se 25% gravelly cobbles
9' pale brown coarse se micaceous
13' gr.

715
1' brown & lfsbk gravelly
st. brown fine scl m sbk dense in ground 15% gravel/cobbles
4' brown medium se gr. micaceous
5' squolite pockets of coarse se
29' fine/medium se
13'5" squolite

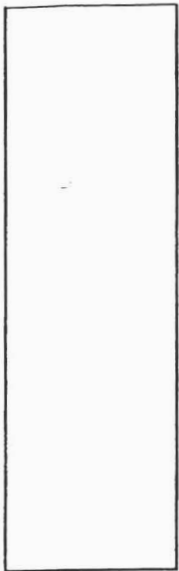
DATE	TEST #	DEPTH	START	BREAK 1' DROP	STOP 2' DROP	TIME OF 2nd INCH	P/F/H
5/25/07	710	6'5" / 12'5"	10:43	10:51	11:04	13	P
	713	5' / 14'	11:31	11:34	11:39	5	P
	714	4'7" / 13'5"	11:47	11:51	11:56	5	P
	6001?	13'			visual		P
	715	5' / 13'5"	12:14	12:19	12:25	6	P
	717	13'			visual		P

REMARKS dug per plan except # 717 + # 6001
SANITARIAN SF BACKHOE AEC OTHERS
TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

Need to locate # 6001 + 6000 for perc cert.

Manor Lane

AP _____



704

brown & sbk

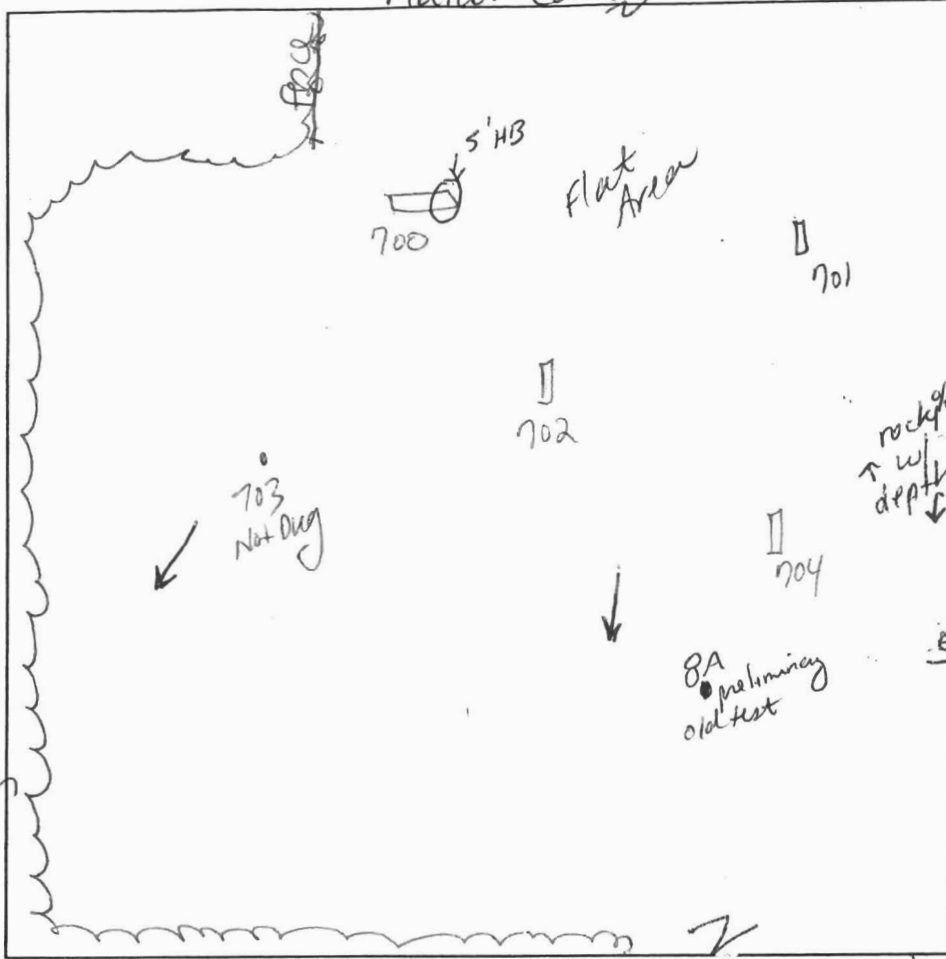
red brown / brown sil micaceous

brown heavy sil gr dense midwale micaceous

6' rock cobbles 50%

9' brown medium sil micaceous gr

HB 11'5"



rocky w/ depth ↓

702

brown & lf sbk

red brown / sil brown hard in ground 100% quartz gravels

red brown sil micaceous m dense in ground.

red brown sil very micaceous gr squarite

10' 25-30% cobbles / stony HB

701

brown & sil 750% stony

brown dense sil 750% cobbles.

HB 5'

700

brown & lf sbk

brown sil dense in ground ~30% quartz gravels

North 5' HB

st. brown coarse sil gr

HB

DATE	TEST #	DEPTH	START	BREAK 1' DROP	STOP 2' DROP	TIME OF 2nd INCH	P/F/H
5/10/07	704	5' 11"5"	9:45	10:02	10:32	30	F
			Failed on cobbles				F
	702	4'5" / 10'	10:08	10:28	not to 1"		-
	"	6'	1:33 ³⁵	1:38	2:02	24	P
	701		visual				F
	700	12'5"	visual				F
	703	Not Dug					

REMARKS _____

SANITARIAN SF BACKHOE AEC OTHERS J. Setbridge

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

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SWL _____

ag. well located as shown on plan, into a large cement cylinder w/ a pipe ~2"-4" in diameter, the cylinder full of H₂O to top.



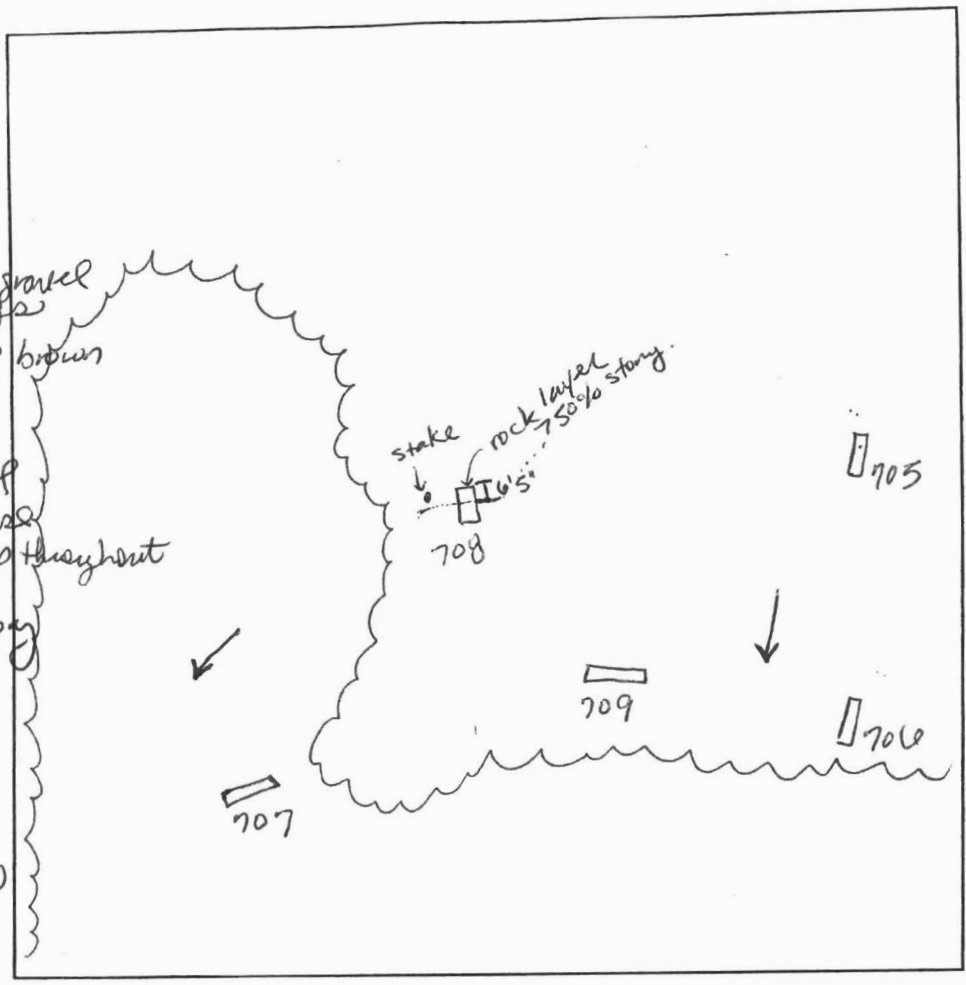
3'-4" diameter

AP 706

brown & lfsbk
 brown scl lfsbk
 3' coarse ls gravel
 4' brown/w. strong brown medium se/ls saponite micaceous 10% quartz gravel w/pockets of coarse quartz frags throughout
 ~8' 35% cobbles / stony
 13'5

707
 brown & lfsbk
 brown silt micaceous
 3' brown medium silt
 4' 35% gravel vein
 4'5" very micaceous
 ?-7' coarse sil gr pl 25% channels
 11'

708
 brown &
 brown silt lfsbk micaceous 5% gravel
 3' brown/pale brown 50% cobbles medium se/gr
 downhill brown red sil saponite
 5' medium se saponite
 12'



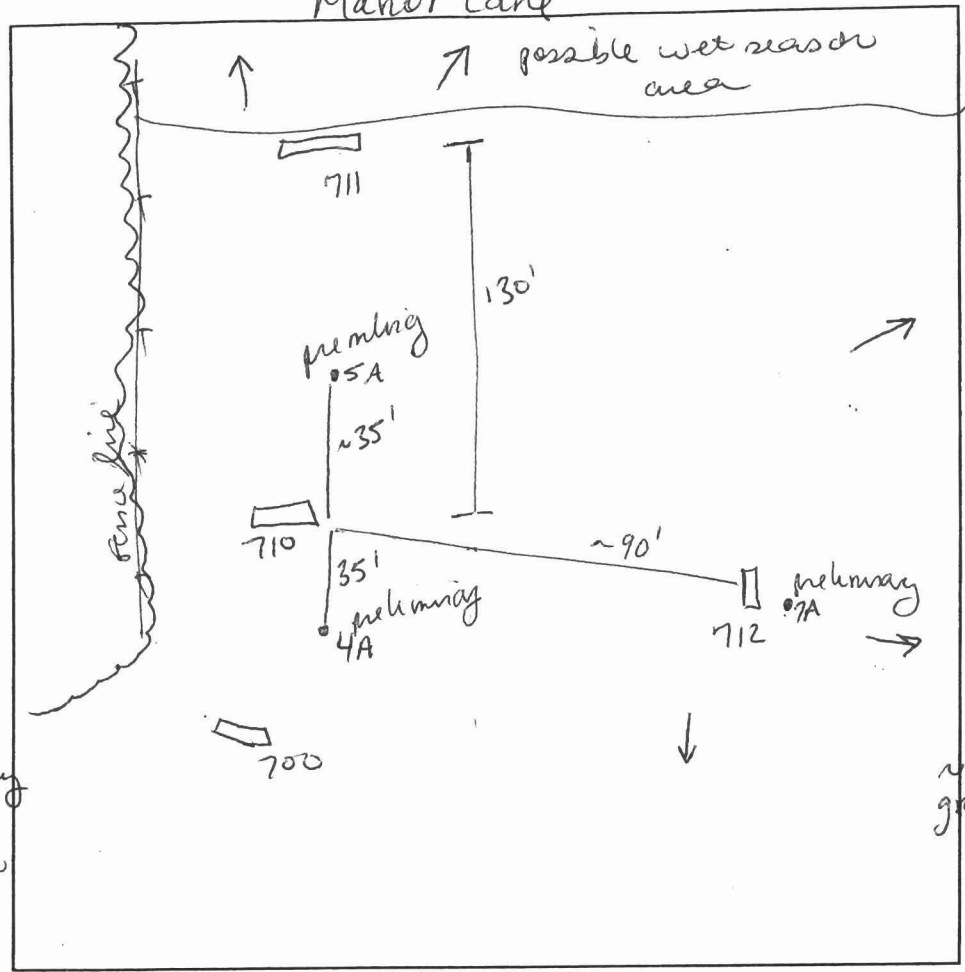
dark gray brown & lfsbk
 1' brown & lfsbk
 2' brown heavy se gr micaceous
 3' brown se 15% quartz gravel saponite
 3'5' pockets of heavy se micaceous and red yellow se
 4' pale brown 15 micaceous gr saponite
 5' bands of white sil and quartz gravel frags
 11'5 HB

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
5/10/07	707	4'5/11'	10:59	11:07	11:21	14	P
	708	5'/12'	11:14 ⁵⁷	11:16 ⁵⁰	11:18 ⁵²	2	P
	709	4'5/11'5	11:34 ⁰⁸	11:34 ⁴⁴			
	"		11:35 ⁰⁰ 11:36 ⁵⁸	11:35 ⁴⁹ 11:37 ⁵⁵	11:36 ³² 11:38 ³⁷		
	"		11:39 ²⁷ 11:53 ⁵⁶	11:40 ²⁸ 11:56 ⁰⁸	11:41 ³⁵ 11:58 ⁴⁸	2	P
	"	3'	11:46	11:52	11:58	6	P
	705	5'/12'	12:12 ¹³ 12:15 ²⁶	12:13 ²⁰ 12:16 ⁴⁵	12:14 ²⁴ 12:18 ⁴⁰	2	P
	706	5'/13'5	12:33	12:37	12:41	4	P

uphill 705
 dark brown lfsbk & 75% cobbles
 3'
 brown medium se 10% gravel
 3' brown medium se/ls micaceous
 4' sil
 uphill downhill
 pl channels 30% 35% channels
 40% saponite
 6' brown se/ls medium micaceous
 ~8-9'
 25% flappy coarse cobbles. se
 12' HB

REMARKS holes dug per plan
 SANITARIAN SF BACKHOE AEC OTHERS
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____
 #708 edge of SDA needs to be 6'5 from stake
 #705 bottom @ 4'0

Manor Lane



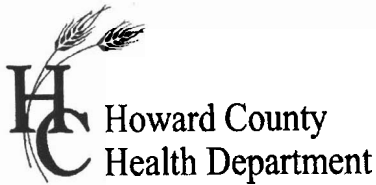
710
 1/2' brown l
 lfsbk hard/dry
 brown
 cl micaceous
 dense m
 5% gravel
 4' brown
 sil micaceous
 m
 7' brown
 heavy sil
 micaceous
 or
 trace rock
 12'

711
 1' brown l
 lfsbk
 brown
 sil dense in
 ground
 m
 3' red yellow
 sil dense
 in ground
 6' yellow brown
 coarse heavy sil
 dense in ground
 sponilit
 2/2' layer of white coarse sil
 13' to 20 page
 gravel traps

712
 brown l
 strong brown
 medium
 sil micaceous
 pockets of heavy
 sil
 sponilit
 7' brown
 coarse sil
 micaceous
 sponilit
 hard in ground
 ~15% cobbles
 12' HB

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
5/10/07	710	4'5" / 12'					
		8'	2:54	3:14	not to 1"		F
	711	6'5" / 13'	3:21	3:40	not to 1"		F
		8'	Same material as @ 6'5" visual				F
	712	7' / 12'	3:30	3:50	not to 1"		F

REMARKS # 710, 711, 712 field located
 SANITARIAN SF BACKHOE AEC OTHERS J. Setbridge
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

A/P 526672

AGENCY REVIEW: _____

DATE 4/30/07

DO NOT WRITE ABOVE THIS LINE

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CHECK AS NEEDED:

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- REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM
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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 _____ PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE (NOTE **UNKNOWN** IF APPROPRIATE)
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PROPERTY OWNER(S) MR AND MRS. J. THOMAS SCRIVENER

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS 8808 CENTER PARK DRIVE SUITE 209 COLUMBIA MD 21045
STREET CITY/TOWN STATE ZIP

APPLICANT JIM SELFRIDGE

DAYTIME PHONE 410-531-8930 X27 CELL _____ FAX 410-531-8939

MAILING ADDRESS 4781 TEN OAKS ROAD DAYTON MD 21036
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME SCRIVENER PROPERTY LOT NO. 4

PROPERTY ADDRESS W. MANOR LANE ELLCOTT CITY 21042
STREET TOWN/POST OFFICE

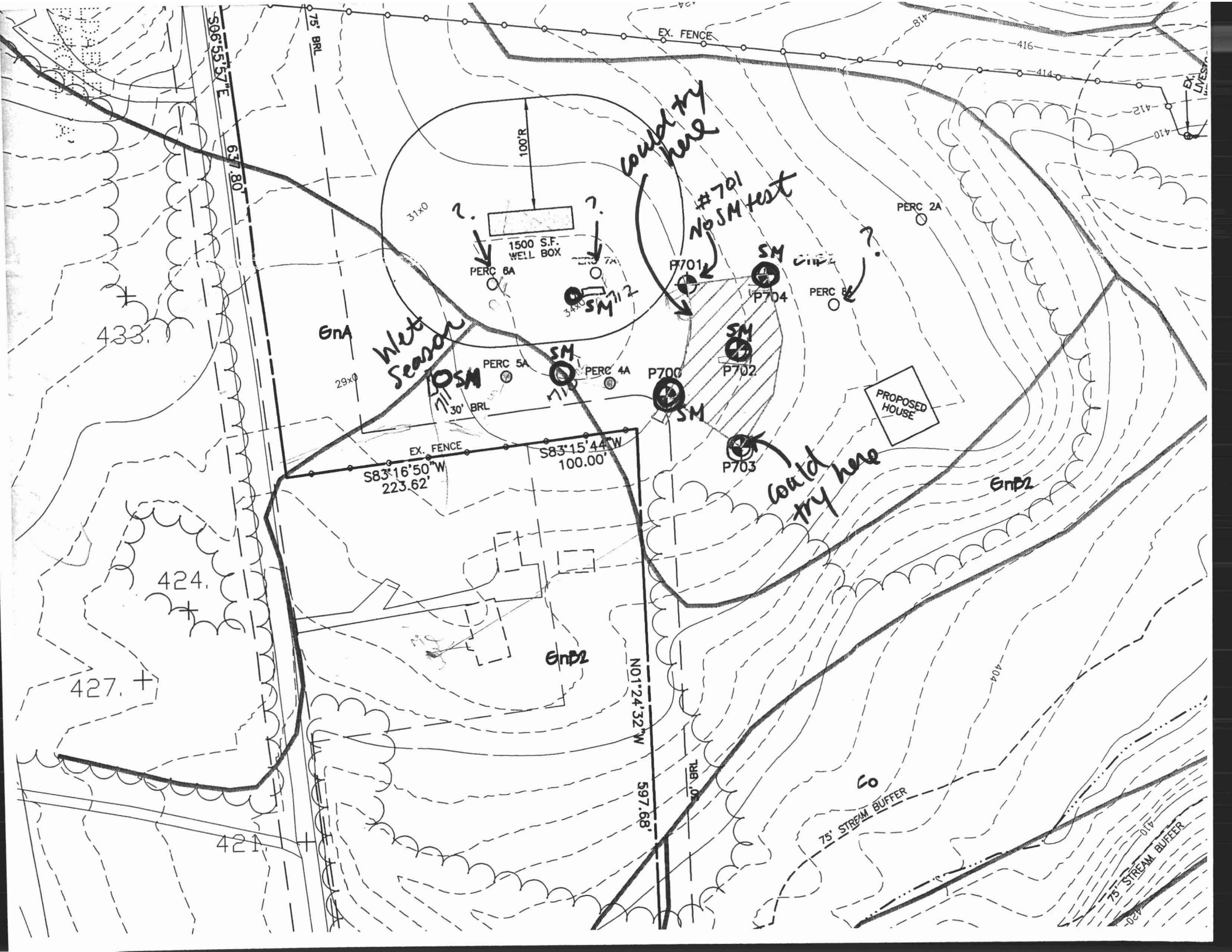
TAX MAP PAGE(S) 29 GRID 5 PARCEL(S) 19 PROPOSED LOT SIZE 53.245 AC

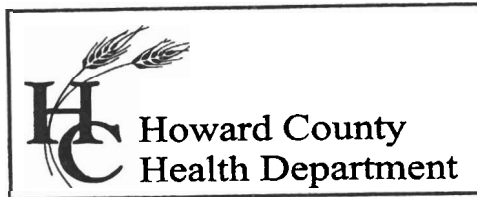
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TEST RESULTS WILL BE MAILED TO APPLICANT.

SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
1718 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH





Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046
(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

June 7, 2007

Mr. and Mrs. J. Thomas Scrivener
8808 Center Park Drive
Suite 209
Columbia, Maryland 21045

RE: PERCOLATION TEST RESULTS – A#526672
Scrivener Property W. Manor Lane

Dear Mr. and Mrs. Scrivener:

Percolation testing conducted May 10 and 25, 2007 on the referenced property indicated both satisfactory and unsatisfactory soil conditions. Sand mound testing and testing for subsurface sewage disposal were attempted on the Western portion of the property. Both tests were unsuccessful due to dense soil material and >50% rock at shallow depths. The proposed expansion of the approved sewage disposal area on the Northwest portion of the property was successful. Copies of the test results are enclosed. In addition, the cement ring, pipe and any other plumbing components of the existing livestock well must be removed.

Further review is contingent upon submission of a percolation certification plan showing the following:

- 1) Actual surveyed locations and elevations of all excavated test holes
- 2) Proposed house sites (55' x 70') or footprint, including building restriction lines as determined by other County agencies, and driveway location
- 3) Proposed location of barn and outdoor arena
- 4) Location of the existing livestock well and a note stating "Existing cement ring, piping, and any other plumbing components of the existing livestock well must be removed and abandoned prior to building permit approval of the proposed structures"
- 5) Existing and proposed property lines
- 6) Proposed well sites. Either 3 well sites, or one 1500 sq. ft. well box w/elliptical radius of 100' around the entire zone for each proposed lot
- 7) Proposed SDA for each house and for the barn
- 8) A note must be included certifying that all existing wells and septic systems within 100 feet of property boundaries have been shown
- 9) A note stating all existing and proposed wells, septic systems and sewage disposal systems located within 200 feet down gradient of existing or proposed septic systems and sewage disposal easements.
- 10) A note stating the engineer used all reasonable efforts to find the location of all surrounding wells and septic systems
- 11) Topography needs to be shown at 2 foot contour intervals and a note certifying topography was field run and verified and reflects field-matched information
- 12) If a final plat is not necessary than the well statement should read: "All wells to be drilled prior to building permit approval. It is the developer's responsibility to schedule the well drilling prior to building permit submission. It will not be considered 'government delay' if the well drilling holds-up the Health Department signature of the permit."
- 13) A MDE sewage disposal area statement is required

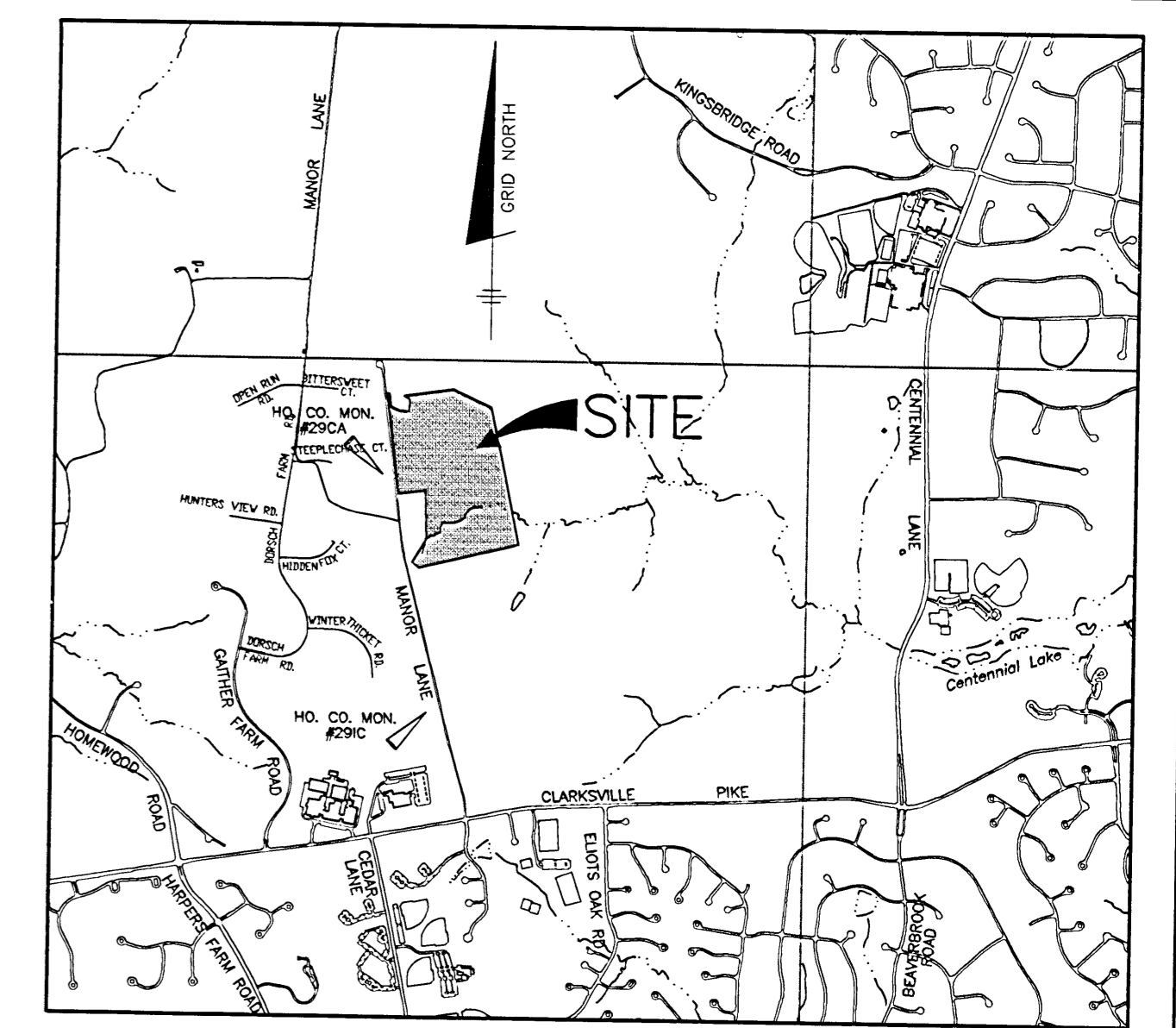
- 14) MDE minimum lot width statement
- 15) Include the statement, "Any changes to a private sewage easement shall require a revised perc certification plan"
- 16) Identification of streams, ponds, wetlands, floodplains, slopes >25%, soil types and soil type boundaries
- 17) Legend symbols to distinguish between new holes, any existing holes previously documented (by the HCHD), passed holes, failed holes, and any holes held for future review
- 18) A health officer signature block stating "approved for private water and private sewer systems."
- 19) Professional seal or signed statement that "I certify that the information shown heron is based on field work performed by me or under my direct supervision, and is correct, to the best of my knowledge and belief."
- 20) Identification of the property, road, street address if applicable, tax map page, parcel number, subdivision name (if appropriate); add purpose statement as appropriate, e.g. subdivision, SDA adjustment, percolation certification plan etc
- 21) Name, address and telephone number of each owner, developer and the plan author.
- 22) The date the plan was drawn, the plan scale (1:30 - 1:100), a scaled vicinity map and, the A # (percolation test fee receipt number, referenced in the HCHD correspondence)

If you have any questions regarding this matter, please contact me at the above address or by calling (410) 313-4261.

Sincerely,

Sara Fegel, R.S.
Well and Septic Program
Development Coordination Section

Enclosures
Cc: Jim Selfridge
File



VICINITY MAP
SCALE: 1" = 2000'

GENERAL NOTES

- 1.) THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- 2.) THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 S.F. AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE 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 SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE REQUIRED.
- 3.) EXACT LENGTH OF SEPTIC TRENCHES IS TO BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF TRENCH LAYOUT AND INSPECTION.
- 4.) TOPOGRAPHY SHOWN IS BASED ON HOWARD COUNTY GIS. 2 FOOT CONTOURS HAVE BEEN INTERPOLATED.
- 5.) THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THIS PROJECT'S BOUNDARY EXCEPT AS NOTED.
- 6.) THE HEALTH DEPARTMENT MAY REQUIRE THAT WELLS WITHIN WELL SITE AREAS THAT ARE IN CLOSE PROXIMITY TO EACH OTHER BE YIELD TESTED SIMULTANEOUSLY.

$$\frac{450}{0.8} = \frac{900}{2} = 222 \times 3 = 846$$

* Is the SDT near lot 1 for the barn?
 * Check status of sp. well
 * Need test notes for 2A, 4A - 8A

LEGEND

- EXISTING CONTOURS (HO. CO. GIS)
- PROPOSED PERC TEST LOCATION
- PASSED PERC HOLE (FISHER, COLLINS & CARTER)
- FAILED PERC HOLE (FISHER, COLLINS & CARTER)
- EXISTING SEWER DISPOSAL AREA (FISHER, COLLINS & CARTER)
- PROPOSED SEWER DISPOSAL AREA
- PROPOSED 1500 S.F. WELLBOX
- SOILS DELINEATION LIGNE
- SOILS TYPE

MAP SYMBOL	SOIL GROUP	SOIL TYPE
Co *	C	CORODUS SILT LOAM
Ba *	D	BAILE SILT LOAM
ChB2	B	CHESTER SILT LOAM, 3 TO 8 % SLOPES, MODERATELY ERODED
EKB2	C	ELIOLAK SILT LOAM, 3 TO 8 % SLOPES, MODERATELY ERODED
GB2	B	GLENELG LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
GIC2	B	GLENELG LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED
GIC3	B	GLENELG LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED
GID2	B	GLENELG LOAM, 15 TO 25 PERCENT SLOPES, MODERATELY ERODED
GhA *	C	GLENVILLE SILT LOAM, 0 TO 3 PERCENT SLOPES
GhB2 *	C	GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES, MORETATELY ERODED
MB2	B	MANOR LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
MIC3	B	MANOR LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED

* INDICATES HYDRIC SOILS
 TAKEN FROM SOILS SURVEY, ISSUED JULY 1968, MAP NO. 19

BENCHMARK
 ENGINEERS & LAND SURVEYORS & PLANNERS
ENGINEERING, INC.
 8480 BALTIMORE NATIONAL PIKE SUITE 418
 ELLICOTT CITY, MARYLAND 21043
 phone: 410-465-6105 fax: 410-465-6644
 WWW.BEI-CIVLENGINEERING.COM

OWNER:
 J. THOMAS SCRIVENER
 8808 CENTER PARK DRIVE
 SUITE 209
 COLUMBIA, MARYLAND 21045

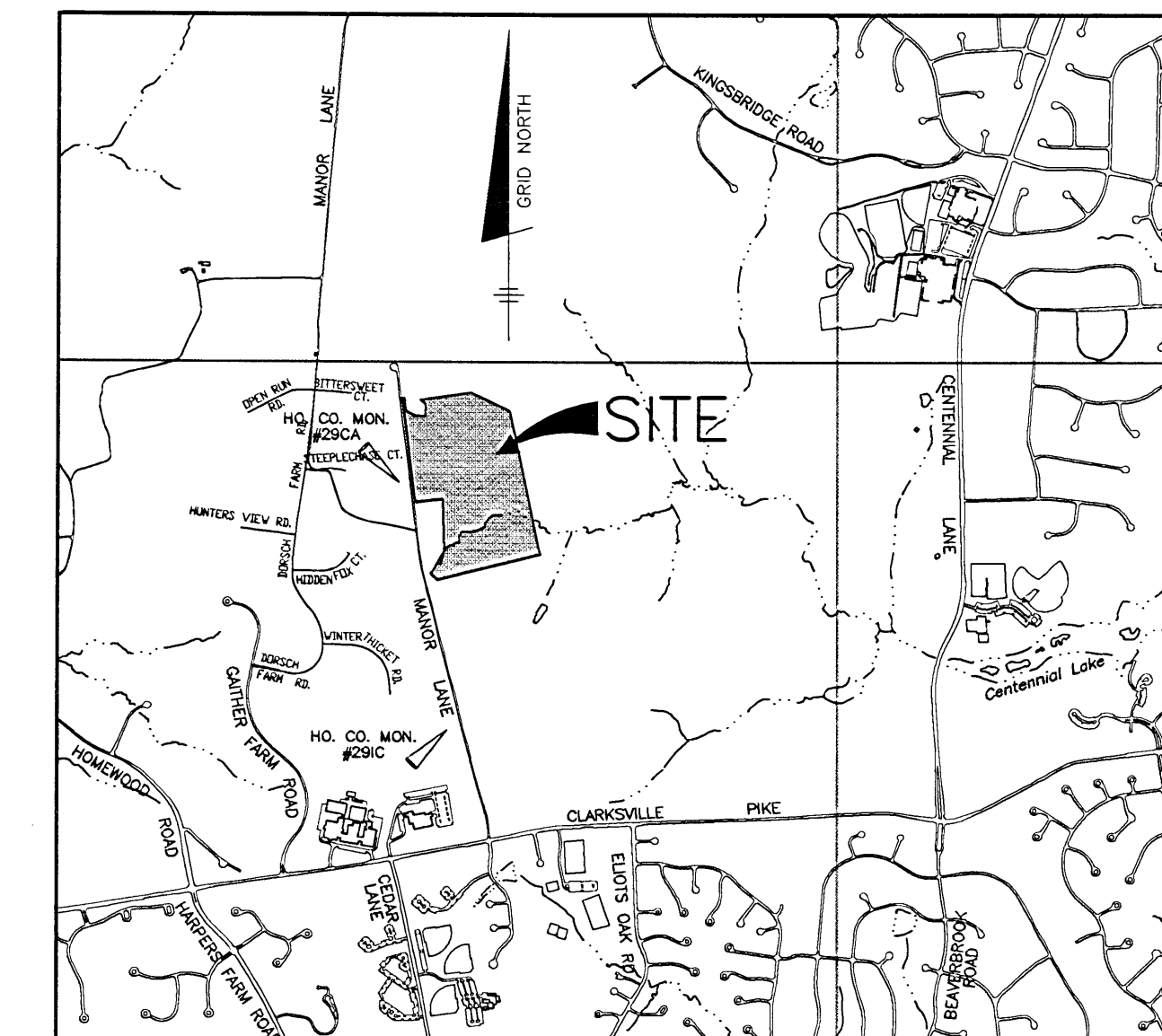
DEVELOPER:
 JIM SELFBRIDGE
 SELFBRIDGE BUILDERS, INC.
 4781 TEN OAKS ROAD
 DAYTON, MARYLAND 21036
 410-531-8930

SCRIVENER PROPERTY
 LOT 4

LOCATION: TAX MAP: 29, GRID: 5
 PARCEL: 19
 ELECTION DISTRICT NO. 2
 HOWARD COUNTY, MARYLAND

TITLE:
PERCOLATION TESTING PLAN

DATE: APRIL, 2007 BEI PROJ. NO. 2040
 SCALE: 1" = 100' SHEET 1 OF 1



VICINITY MAP
SCALE: 1" = 2000'

GENERAL NOTES

- 1.) THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- 2.) THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 S.F. AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE 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 SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE REQUIRED; HOWEVER, ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- 3.) EXACT LENGTH OF SEPTIC TRENCHES IS TO BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF TRENCH LAYOUT AND INSPECTION.
- 4.) TOPOGRAPHY SHOWN IS BASED ON G.I.S. PURCHASED FROM HOWARD COUNTY. 2 FOOT CONTOURS HAVE BEEN INTERPOLATED. CONTOURS HAVE BEEN VERIFIED THROUGH FIELD SHOT ELEVATIONS AT THE PERC TEST HOLE LOCATIONS.
- 5.) ALL WELLS TO BE DRILLED PRIOR TO BUILDING PERMIT APPROVAL. IT IS THE DEVELOPER'S RESPONSIBILITY TO SCHEDULE THE WELL DRILLING PRIOR TO BUILDING PERMIT SUBMISSION. IT WILL NOT BE CONSIDERED "PERMANENT DELAY" IF THE HEALTH DEPARTMENT'S SIGNATURE OF THE PERMIT.
- 6.) ALL EXISTING WELLS AND SEPTIC SYSTEMS WITHIN 100' OF THIS PROJECT'S BOUNDARY HAVE BEEN SHOWN. ALL EXISTING AND PROPOSED WELLS, SEPTIC SYSTEMS AND SEWER DISPOSAL SYSTEMS LOCATED WITHIN 200' DOWN GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS AND SEWER DISPOSAL EASEMENTS. ENGINEER USED ALL REASONABLE EFFORTS TO FIND THE LOCATION OF ALL SURROUNDING WELLS AND SEPTIC SYSTEMS.
- 7.) THE HEALTH DEPARTMENT MAY REQUIRE THAT WELLS WITHIN WELL SITE AREAS THAT ARE IN CLOSE PROXIMITY TO EACH OTHER BE FIELD TESTED SIMULTANEOUSLY.
- 8.) EXISTING CEMENT RING, PIPING, AND ANY OTHER PLUMBING COMPONENTS OF THE EXISTING LIVESTOCK WELL MUST BE REMOVED AND ABANDONED PRIOR TO BUILDING PERMIT APPROVAL OF THE PROPOSED STRUCTURES.

SOILS LEGEND

MAP SYMBOL	SOIL GROUP	SOIL TYPE
Co *	C	CORODUS SILT LOAM
Ba *	D	BAILE SILT LOAM
ChB2	B	CHESTER SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
ExB2	C	ELIOAK SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
GIB2	B	GLENELG LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
GIC2	B	GLENELG LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED
GIC3	B	GLENELG LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED
GID2	B	GLENELG LOAM, 15 TO 25 PERCENT SLOPES, MODERATELY ERODED
GA *	C	GLENVILLE SILT LOAM, 0 TO 3 PERCENT SLOPES
GB2 *	C	GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
MB2 *	B	MANOR LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
MIC3	B	MANOR LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED

* INDICATES HYDRIC SOILS
TAKEN FROM SOILS SURVEY, ISSUED JULY 1968, MAP NO. 19

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OWNER: TIM EVANKOVICH
7230 LEE DEFOREST DRIVE
SUITE 200
COLUMBIA, MARYLAND 21046

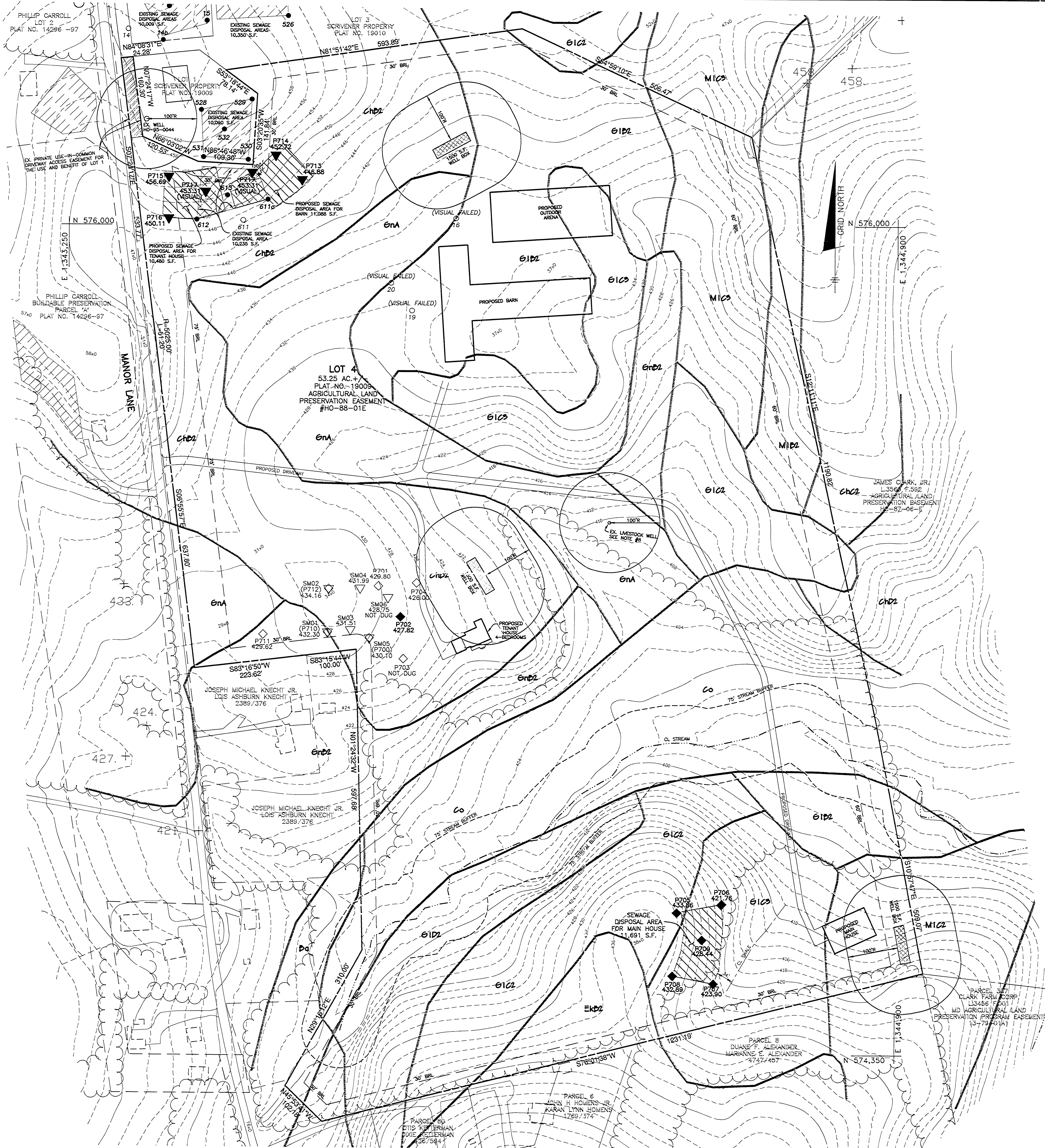
BUILDER: JIM SELFRIE
SELFRIE BUILDERS, INC.
4781 TEN OAKS ROAD
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SCRIVENER PROPERTY LOT 4
TAX MAP: 29, GRID: 5
ELECTION DISTRICT NO. 2
HOWARD COUNTY, MARYLAND

PERCOLATION CERTIFICATION PLAN #526672

DATE: AUGUST 27, 2007
BEI PROJ. NO. 2040

DESIGN: DBT
DRAFT: DBT/JMC
CHECK: JMC
SCALE: 1" = 100'
SHEET 1 OF 1



- LEGEND
- EXISTING CONTOURS
 - 613 PASSED PERC HOLE (FISHER, COLLINS & CARTER)
 - 611 FAILED PERC HOLE (FISHER, COLLINS & CARTER)
 - 610 PASSED PERC HOLE (BEI 5-10-2007)
 - 609 FAILED PERC HOLE (BEI 5-10-2007)
 - 608 PASSED PERC HOLE (BEI 5-25-2007)
 - 607 FAILED PERC HOLE (BEI 5-25-2007)
 - EXISTING SEWER DISPOSAL AREA (FISHER, COLLINS & CARTER)
 - PROPOSED SEWER DISPOSAL AREA
 - PROPOSED 1500 S.F. WELLBOX
 - SOILS DELINEATION LIGNE
 - 6102 SOILS TYPE

I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF KNOWLEDGE AND BELIEF.

DAVID THOMPSON
PLAN PREPARER
8/27/2007

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

William P. Peter Beilenson
HOWARD COUNTY HEALTH OFFICER
DATE: 8/19/07