

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____ AP 526292

AGENCY REVIEW: _____ DATE 3/19/07

DO NOT WRITE ABOVE THIS LINE

TAX ACCOUNT # 03-301133 DEED 1382/280

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) GREGORY SCOTT & ELIZABETH ANN NELSON

DAYTIME PHONE 410-549-4791 CELL 443-463-2754 FAX _____

MAILING ADDRESS 12490 HOWARD LODGE DR. SYKESVILLE MD. 21784-5420
STREET CITY/TOWN STATE ZIP

APPLICANT CARROLL LAND SERVICES, INC.

DAYTIME PHONE 410-848-1790 CELL _____ FAX 410-848-1791

MAILING ADDRESS 439 EAST MAIN ST. WESTMINSTER MD. 21157
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION (RIVER PARK ESTATES) APPROX. 150 FT. N.E. OF RTE # 32 SYKESVILLE MD. THEN EAST ALONG HOWARD LODGE DR. 21 DOLE ±

SUBDIVISION/PROPERTY NAME (NELSON PROPERTY) LOT NO. 286

PROPERTY ADDRESS HOWARD LODGE DR. SYKESVILLE 21784-5420
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 9 GRID 12 PARCEL(S) 306 PROPOSED LOT SIZE 1.305 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

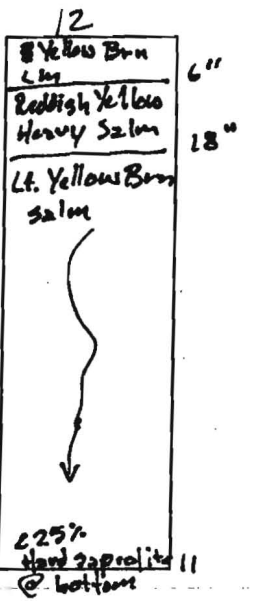
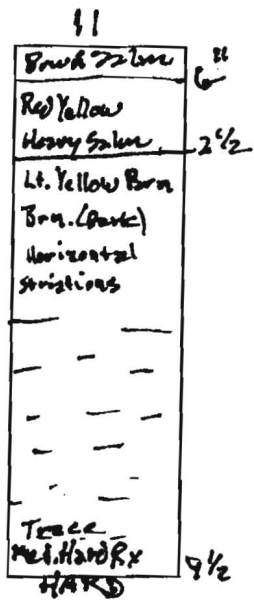
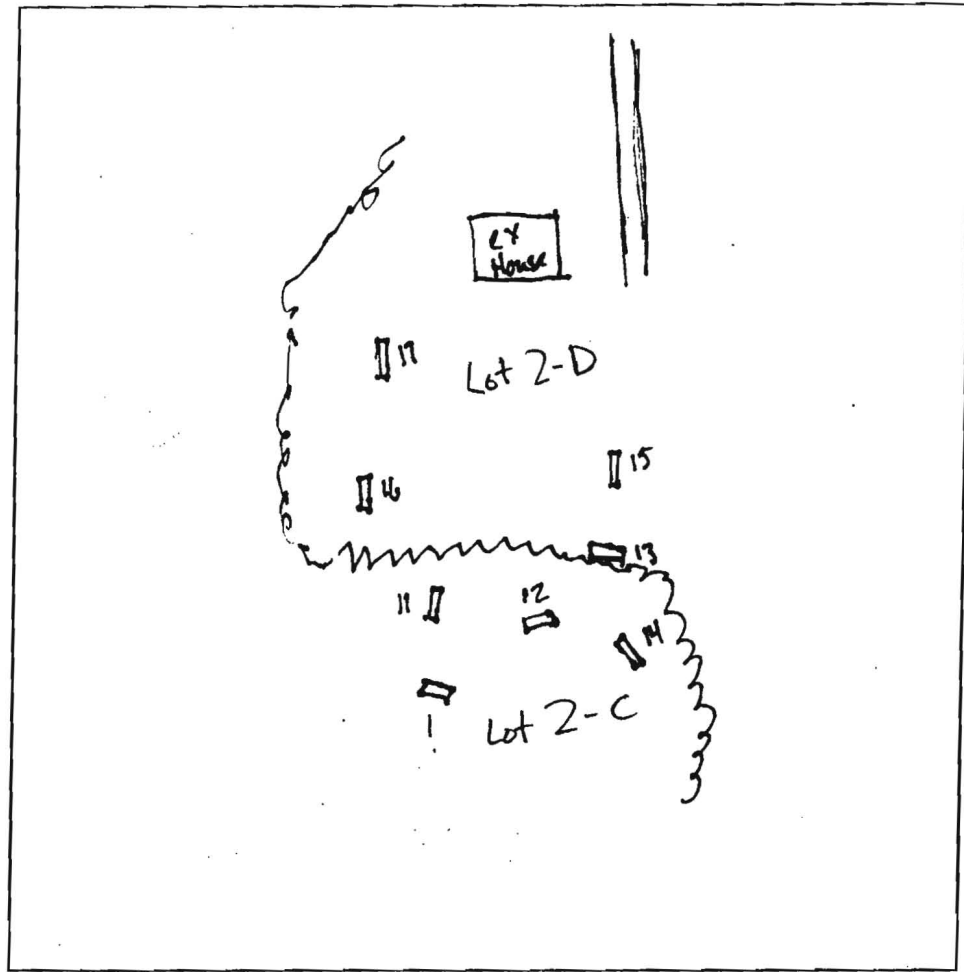
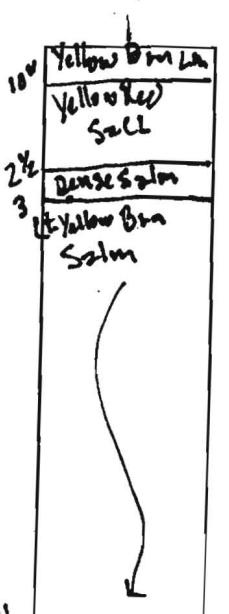
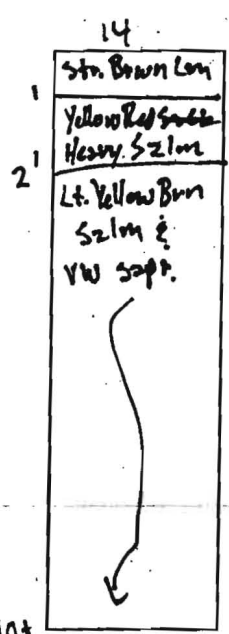
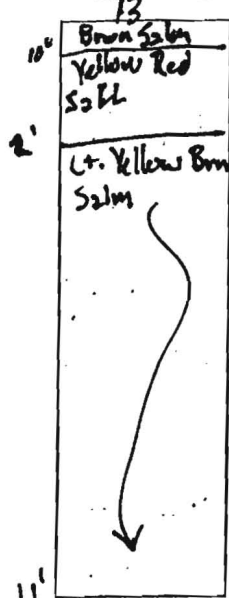
"MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN.

TEST RESULTS WILL BE MAILED TO APPLICANT.

[Signature]
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

AP 526292



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
4/5/07	13	3 1/2 / 11	10:50	10:53	10:59	6m	P
	14	3 / 10'4"	11:02	11:07	11:13	6m	P
	1	3 / 11	11:12	11:167	11:22	5m	P
	11	3 / 9 1/2	11:24	11:26	11:31	5m	P
	12	4 / 11				est. 5m	P

REMARKS Wet Season '07 - Deep - Sandy Soils - Allen Stake Lot 2-C
 SANITARIAN GAC BACKHOE _____ OTHERS Wayne Weller CLS1
 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) 4/5/2007 TEST TIME 9A AP 526240
 AGENCY REVIEW: GAC DATE 2/16/2007

DO NOT WRITE ABOVE THIS LINE

TAX ACCOUNT # 03-301125 DEED 1382/280

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

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PROPERTY OWNER(S) GREGORY SCOTT & ELIZABETH ANN NELSON

DAYTIME PHONE 410-549-4761 CELL 443-463-2754 FAX _____

MAILING ADDRESS 12490 HOWARD LODGE DR. SYKESVILLE MD. 21784-5421
STREET CITY/TOWN STATE ZIP

APPLICANT CARROLL LAND SERVICES, INC.

DAYTIME PHONE 410-848-1790 CELL _____ FAX 410-848-1791

MAILING ADDRESS 439 EAST MAIN ST WESTMINSTER MD. 21157
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION (RIVER PARK ESTATES) APPROX. 150 FT N.E. OF RTE #32
SUBDIVISION/PROPERTY NAME SYKESVILLE RD. THEN E. ALONG HOWARD LODGE DR. 2100 FT ±
(NELSON PROPERTY) LOT NO. 2-B

PROPERTY ADDRESS HOWARD LODGE DR. SYKESVILLE 21784-5420
STREET TOWN/POST OFFICE

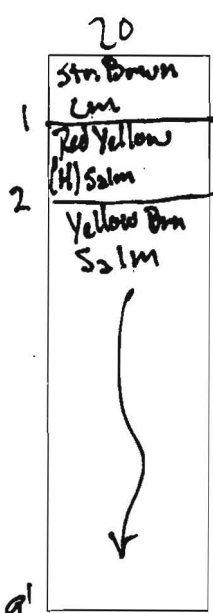
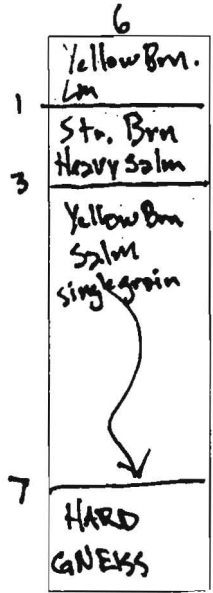
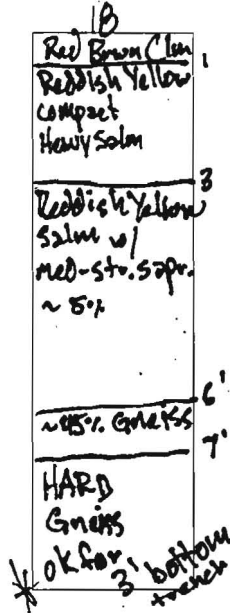
TAX MAP PAGE(S) 9 GRID 12 PARCEL(S) 306 PROPOSED LOT SIZE 1.626 AC.

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.

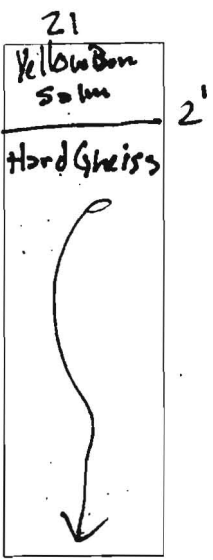
TEST RESULTS WILL BE MAILED TO APPLICANT. [Signature]
SIGNATURE OF APPLICANT

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

A/P 526 240



See Plan
NE stem hole
7 shared
w/ 2A



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
4/5/07	18	2' 7"	12:13	alled @	2:50	14:50	F
	6	2 1/2' 7"	12:30	12:42	12:55	13 m	P
	20	2 1/2' 9"	3:09	3:15	3:23	8 m	P
	21	2'	Solid Rv @ 2'				F

REMARKS Lot 2-B - Wet Season - 07 - Shallow Soils but ideal for SM
 SANITARIAN GAC BACKHOE John OTHERS Wayne Weller CLS1-Builder
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____



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

Memorandum

Date: 9/6/2007

To: Carroll Land Services, Inc.
Attn: Joe Purdy
439 E. Main St.
Westminster, MD 21157
Via Facsimile: 410-848-1791

From: Gabe Creighton, R.S.
Well and Septic Program

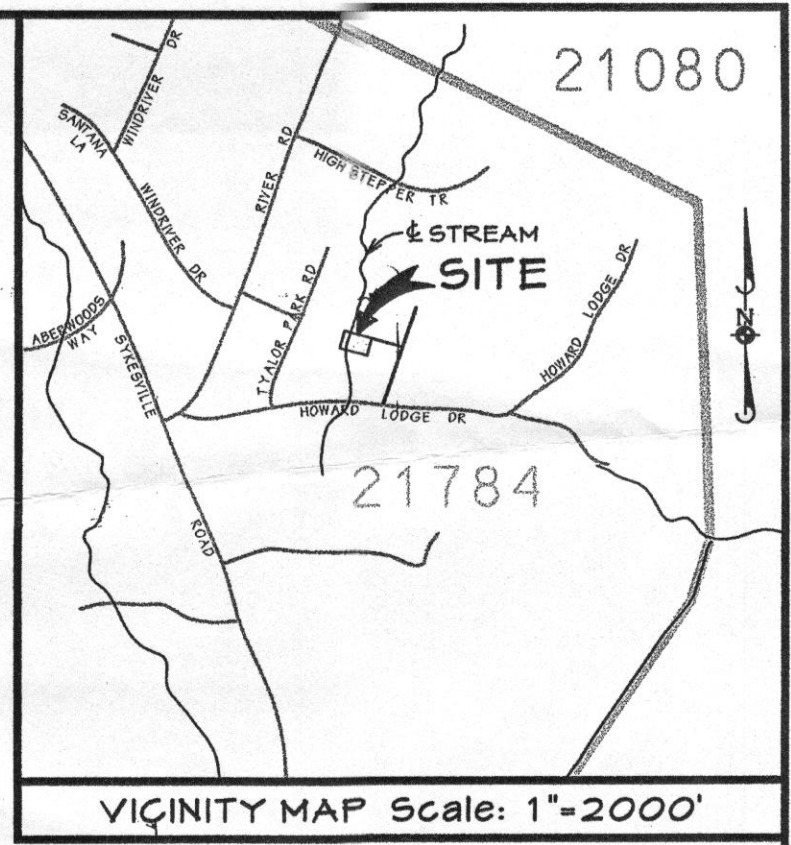
A handwritten signature in black ink that reads 'GAC' inside a hand-drawn oval.

Re: Percolation Certification Plan
Nelson Property, Lot(s) 2-B & 2-C
12386 Howard Lodge Dr.

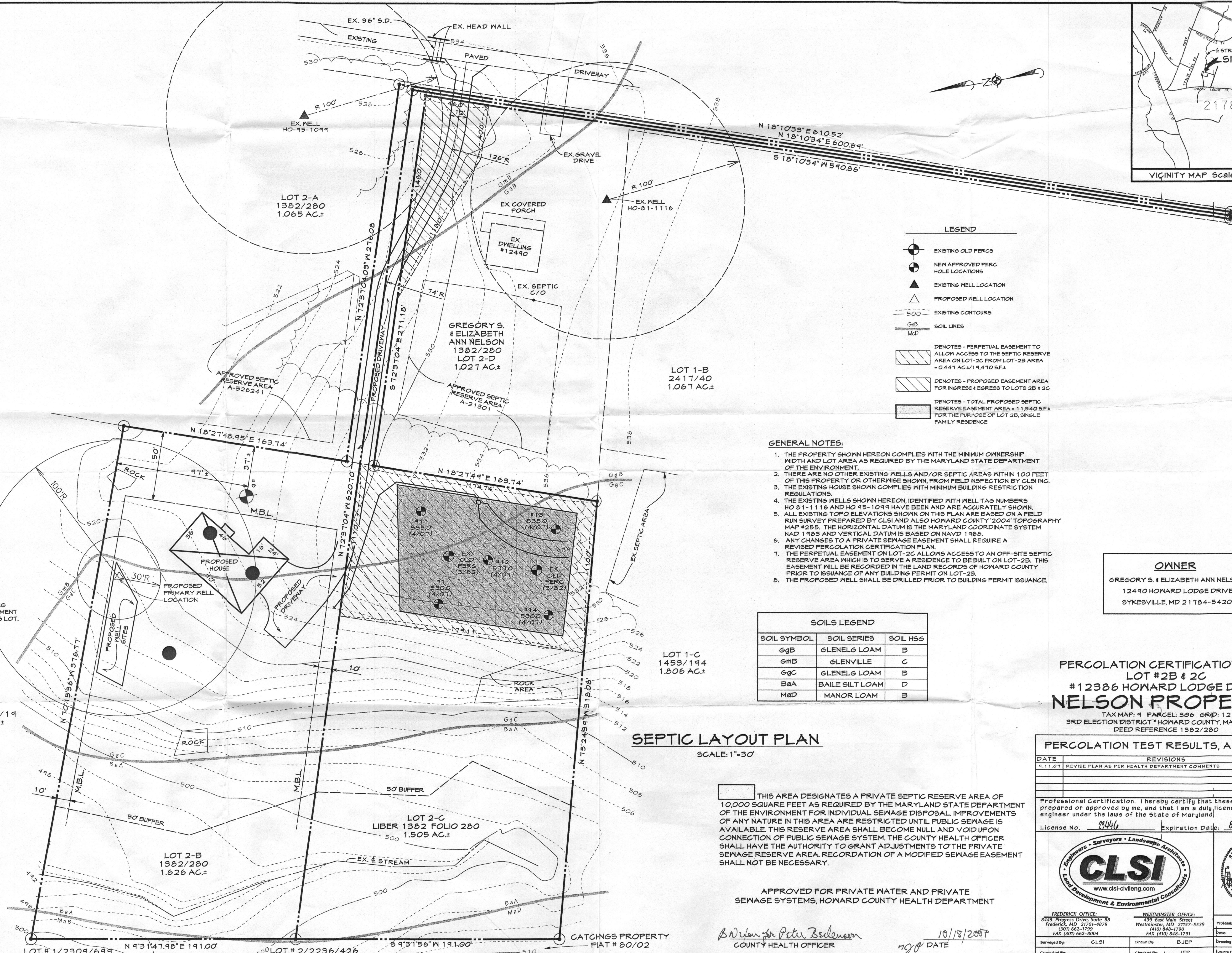
The Howard County Health Department has received and reviewed the above referenced submittal. The following comments will need to be addressed prior to approval.

- 1) Either three proposed well sites are required or instead an area of 1500 sq. ft. could be set aside for well sites. Also, well sites along the northern property line of lot 2-B are more favorable than the currently proposed location due to the topographic orientation of the septic easement proposed on lot 2-C. Well sites in 25% or greater slopes will be subject to questioning of the accessibility of the location and may not be allowed at all. In addition, indicate a primary well site location.
- 2) Denote the 25% and greater slopes.
- 3) Add a general note addressing the easement on lot 2-C for access to the septic easement serving lot 2-B. Explain that the easement is to allow for access to an off-site septic reserve area which is to serve a residence to be built on lot 2-B. Also state that this easement shall be perpetual and will be recorded in the land records of Howard County prior to issuance of any building permit on lot 2-B.
- 4) Adjust the wording next to the easement symbol in the legend. The 19,740 sq. ft. area is not considered a septic reserve easement. Language suitable for this application may be similar to 'Perpetual easement to allow access to the septic reserve area on lot 2-C from lot 2-B'
- 5) Adjust the plan's title block to add lot 2-B and change the address on the plan to 12386 Howard Lodge Drive (this is lot 2-B's physical address).
- 6) Adjust general note 4 to state "The existing wells shown hereon... well tag numbers HO-81-1116 and HO-95-1099 have been... and are accurately shown"
- 7) Add a general note stating 'The proposed well shall be drilled prior to building permit issuance.'

cc: File



HOWARD LODGE DRIVE



- LEGEND**
- EXISTING OLD PERC
 - NEW APPROVED PERC HOLE LOCATIONS
 - EXISTING WELL LOCATION
 - PROPOSED WELL LOCATION
 - EXISTING CONTOURS
 - SOIL LINES
 - GgB
 - MaD
 - DENOTES - PERPETUAL EASEMENT TO ALLOW ACCESS TO THE SEPTIC RESERVE AREA ON LOT-2C FROM LOT-2B AREA - 0.447 AC±/19,410 SF±
 - DENOTES - PROPOSED EASEMENT AREA FOR INGRESS & EGRESS TO LOTS 2B & 2C
 - DENOTES - TOTAL PROPOSED SEPTIC RESERVE EASEMENT AREA - 11,340 SF± FOR THE PURCHASE OF LOT 2B, SINGLE FAMILY RESIDENCE

- GENERAL NOTES:**
1. THE PROPERTY SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
 2. THERE ARE NO OTHER EXISTING WELLS AND/OR SEPTIC AREAS WITHIN 100 FEET OF THIS PROPERTY OR OTHERWISE SHOWN, FROM FIELD INSPECTION BY CLSI INC.
 3. THE EXISTING HOUSE SHOWN COMPLIES WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
 4. THE EXISTING WELLS SHOWN HEREON, IDENTIFIED WITH WELL TAG NUMBERS HO 81-1116 AND HO 95-1099 HAVE BEEN AND ARE ACCURATELY SHOWN.
 5. ALL EXISTING TOPO ELEVATIONS SHOWN ON THIS PLAN ARE BASED ON A FIELD RUN SURVEY PREPARED BY CLSI AND ALSO HOWARD COUNTY '2004' TOPOGRAPHY MAP #255. THE HORIZONTAL DATUM IS THE MARYLAND COORDINATE SYSTEM NAD 1983 AND VERTICAL DATUM IS BASED ON NAVD 1985.
 6. ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
 7. THE PERPETUAL EASEMENT ON LOT-2C ALLOWS ACCESS TO AN OFF-SITE SEPTIC RESERVE AREA WHICH IS TO SERVE A RESIDENCE TO BE BUILT ON LOT-2B. THIS EASEMENT WILL BE RECORDED IN THE LAND RECORDS OF HOWARD COUNTY PRIOR TO ISSUANCE OF ANY BUILDING PERMIT ON LOT-2B.
 8. THE PROPOSED WELL SHALL BE DRILLED PRIOR TO BUILDING PERMIT ISSUANCE.

OWNER
 GREGORY S. & ELIZABETH ANN NELSON
 12490 HOWARD LODGE DRIVE
 SYKESVILLE, MD 21784-5420

SOILS LEGEND		
SOIL SYMBOL	SOIL SERIES	SOIL HSG
GgB	GLENELG LOAM	B
GmB	GLENVILLE	C
GgC	GLENELG LOAM	B
BaA	BAILE SILT LOAM	D
MaD	MANOR LOAM	B

SEPTIC LAYOUT PLAN
 SCALE: 1"=30'

THIS AREA DESIGNATES A PRIVATE SEPTIC RESERVE AREA OF 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 SEWAGE IS AVAILABLE. THIS RESERVE AREA SHALL BECOME NULL AND VOID UPON CONNECTION OF PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE RESERVE AREA. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

Brian for Peter Belessem
 COUNTY HEALTH OFFICER
 10/18/2007
 DATE

PERCOLATION CERTIFICATION PLAN
 LOT #2B & 2C
 #12386 HOWARD LODGE DRIVE
NELSON PROPERTY
 TAX MAP: 9 PARCEL: 306 GRID: 12
 3RD ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 DEED REFERENCE 1382/280

PERCOLATION TEST RESULTS, A-526292

DATE	REVISIONS	JEP/BJEP
4.11.07	REVISE PLAN AS PER HEALTH DEPARTMENT COMMENTS	

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.
 License No. 89446 Expiration Date: 8/28/08



FREDERICK OFFICE: 8443 Progress Drive, Suite 88 Frederick, MD 21701-4879 (301) 662-1799 FAX (301) 662-8004	WESTMINSTER OFFICE: 439 East Main Street Westminster, MD 21157-5539 (410) 848-1790 FAX (410) 848-1791	Professional Engineer Registration No. 23448 Date: 8-5-07 Drawing No.: 2006166 County File No.:
Survised By: CLSI	Drawn By: BJEP	Checked By: JEP
Computed By:		

CAD Drawing File Name: G:\2006\2006166\dgn\perc-plan_2c.dgn

