

# APPLICATION

PERCOLATION TESTING

A 516462

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2840

DISTRICT \_\_\_\_\_

DATE 2/26/02

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Charles Russell Conklin

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

AGENT OR PROSPECTIVE BUYER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION \_\_\_\_\_ LOT NO. L-4096-F-297

ROAD AND DESCRIPTION \_\_\_\_\_

TAX MAP \_\_\_\_\_ PARCEL # \_\_\_\_\_

SIZE OF LOT \_\_\_\_\_ TYPE BLDG. \_\_\_\_\_  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

(SIGNATURE OF APPLICANT)

APPROVED BY Frank Shinn FOR shallow trenches DATE 4-11-02

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING 3-15-02 Hold for Perc Test Plat

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

# THIS IS NOT A PERMIT

SOIL PROFILE

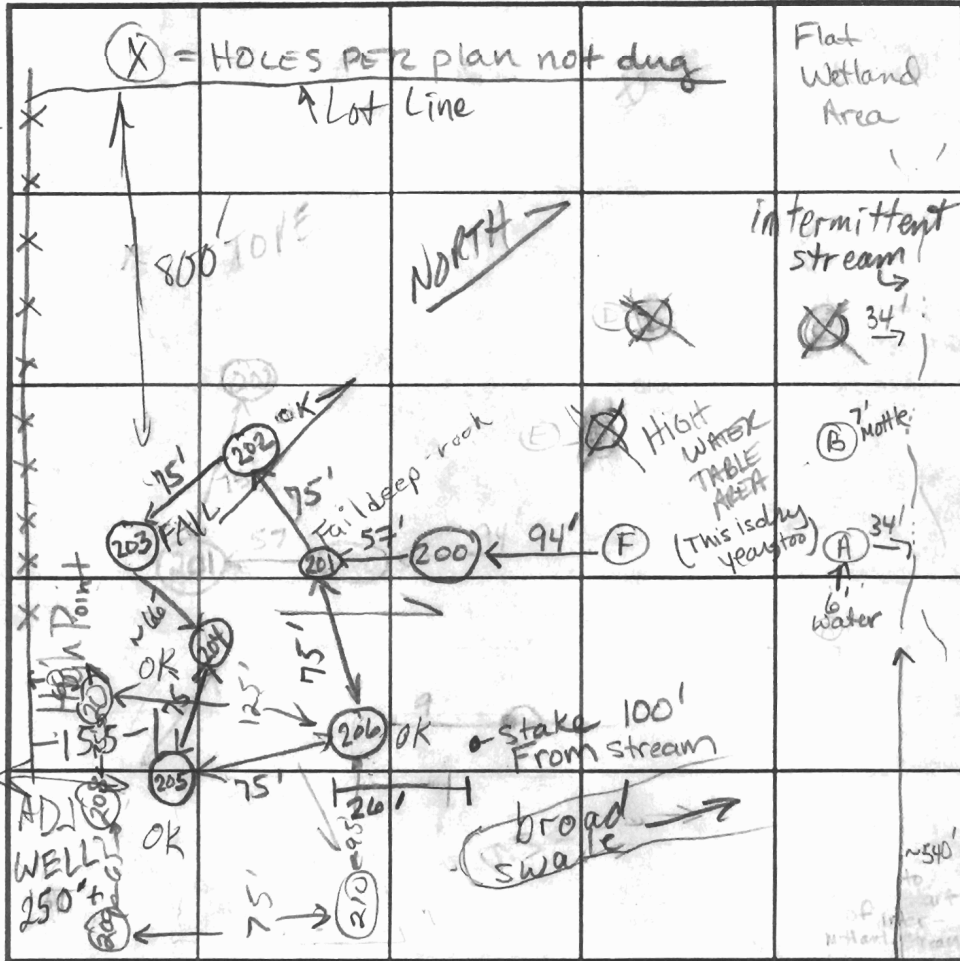
0' (200)  
 Topsoil  
 Wk rd brn  
 brn  
 Lm to  
 hvy Lm  
 Rock  
 10-15%  
 5 1/2'  
 Hard Platy  
 Rock 75%  
 with  
 rbrn matrix  
 & grey mottles  
 HARD  
 Bottom  
 8'

(201)

DK brn  
 granular  
 Loam  
 Rx 5-10%  
 w/ Mn or  
 Sacs  
 12"  
 Wk rd brn  
 Massive hvy  
 Lm Rx 5-10%  
 2'  
 Shale 15-20%  
 3'  
 yellow brn  
 reddish yellow  
 org brn  
 brownish yellow  
 Lm < 10% Rx  
 5'  
 yel brn red  
 orge Lm  
 40-45%  
 Rx  
 HARD BOT  
 12"

(202) (204)

DK yellowish brn  
 Strong brn  
 Lm with  
 Clay skins  
 1'  
 brownish yellow  
 reddish yellow  
 Lm  
 2'  
 Vertical platy  
 hard saprolite  
 w/ Mn layers  
 5-10%  
 3'  
 Lm  
 Rx 20-25%  
 Bottom  
 14'



SOIL PROFILE

0' (203)  
 brownish  
 yellow  
 Strong brn  
 yellowish red  
 Lm like "201"  
 7'  
 ROCK 75%  
 ROCK 75%  
 10 1/2'  
 Refusal  
 (206) (205)  
 tan, Hbrn  
 Lm 10-15% Rx  
 3'  
 20-25% Lm  
 Rx  
 tan, beige Lm  
 Rx 5-10%  
 7'  
 tan grey  
 mottles  
 12'  
 Bottom  
 14'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

HOWARD LODGE RD (Common Private Drive)

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
2-26-02	200	Visual 100' from	intermittent stream center				N/A
	201	5' 3 1/2'	12:08:10	12:17:43	12:17:43	12:34:29	17min
	202	5' 5 1/2'	12:08:40	12:11:30	12:11:30	12:20:46	9min
	203	5' 3 1/2'	12:37:17	12:40	12:40	12:47	7min
	204	6 1/2' - 7'S Bottom @ 12 1/2'	1:10:21	1:23:08	1:23:08	1:32	9min
	205	5' 3 1/2'	1:32:09	1:38:35	1:38:35	1:45	8min
	206	SEE Soil Profile - MOTTLES @ 12'					EST TIME 8min
3-15-02	207	3' Tan sandy loam	8:09	8:11	8:11	8:16	5min
	208	2 1/2' Tan sandy loam	8:13	8:15	8:15	8:19	4min
	209	12' clay to 2 1/2' sandy loam below					OK
	210	14' clay to 3' tan sandy loam below, some grey blue 10-14'					OK

REMARKS: Holes A, B, F dug per plan, others not per plan  
 TYPE OF SOIL #203 - @ 6 1/2' SHELF LOCATION OVER VEIN ON EAST WALL  
 TESTED BY E  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 5min TRENCH WIDTH 3  
 INLET DEPTH 2 1/2 MAXIMUM BOTTOM DEPTH 4 1/2 SQ. FT./BEDROOM 180#/BR.

FAIL  
 FAIL  
 207  
 208  
 209  
 clay  
 tan  
 sand  
 100'

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HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

DISTRICT 3rd Election

DATE 01/07/02

*Existing Parcel of Record 10,000 sq ft recommended not required*

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Charles Russell Conklin

ADDRESS 11 Seminole Avenue, Baltimore MD 21228 PHONE 410 747-1048

AGENT OR PROSPECTIVE BUYER RE/ -

ADDRESS 5575 Sterrett Place, Columbia MD 21044 PHONE 410 715-3208

PROPERTY LOCATION:

SUBDIVISION Howard Lodge LOT NO. L-4096 - F-297

ROAD AND DESCRIPTION Private Gravel Road

TAX MAP No. 9 PARCEL # 163

SIZE OF LOT 6.0 TYPE BLDG. Single Family Dwelling  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

*Charles Russell Conklin*  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

# THIS IS NOT A PERMIT

COUNTY #

SOIL PROFILE

0' (F)  
 granular to 2'  
 km to hvy lm  
 pebbles 10-15'  
 strong brn  
 yellow  
 brn  
 platy soil  
 structure  
 @ 2' to 7'  
 NW wall → Cave-in  
 of sat.  
 soils Rx  
 \* Mn aggregates  
 or platy structure  
 of soil (some mica)  
 Water 11 1/2'

(B)

1 1/2'  
 granular  
 dk brn  
 hvy lm  
 Almost clay lm  
 yellow brn  
 strong brn  
 CLM  
 Rx 10-15%  
 Sheen due to  
 clay w/ some  
 mica  
 7' wet  
 sat  
 loam  
 w/ mottles  
 tan/grey  
 water 11 1/4"


SOIL PROFILE

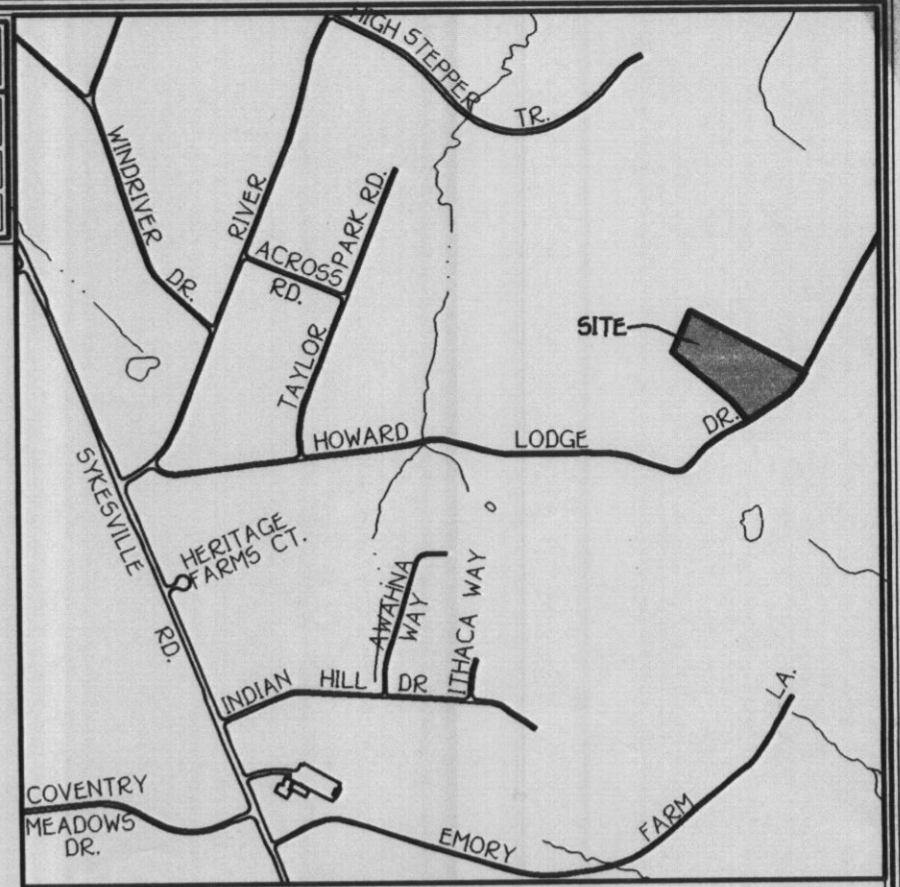

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
2-26-02	(F)	loam soils excessive caving		@ 7'	water @ 11 1/2'		(F)
	(B)	SATURATED @ 7'					FAIL
	A	7-8'	H <sub>2</sub> O	@ 6'			FAIL

REMARKS ORIGINAL HOLES PER PLAN - Not Testable High Water table  
 & too close to intermittent stream  
 TYPE OF SOIL \_\_\_\_\_  
 TESTED BY \_\_\_\_\_ ALSO PRESENT \_\_\_\_\_  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_  
 INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

SOILS LEGEND		
SOIL	NAME	CLASS
GIB2	Glenn loam, 3 to 8 percent slopes, moderately eroded	B
MIC2	Manor loam, 8 to 15 percent slopes, moderately eroded	B

NOTES:  
 \* Hydric soils and/or contains hydric inclusions  
 \*\* May contain hydric inclusions  
 † Generally only within 100-year floodplain areas



VICINITY MAP  
SCALE: 1" = 1200'

PARCEL 306  
LOT 5-A  
LEON LANTZ II  
MARSHA M. LANTZ  
LIBER 1482 AT FOLIO 478

PARCEL 306  
LOT 6-C  
DAVID J. SIDES  
THERESA N. SIDES  
LIBER 2396 AT FOLIO 089

PARCEL 163  
HOWARD LODGE LLC  
L. 4096 AT F. 297  
6.0 acres

PARCEL 123  
FRENCH A. TAYLOR & WIFE  
LIBER 621 AT FOLIO 428

PARCEL 161  
JAMES H. PETRO  
JACQUELINE C. PETRO  
LIBER 619 AT FOLIO 320

PARCEL 196  
JACK W. HOFFMAN  
GABRIELLE HOFFMAN  
LIBER 1856 FOLIO 397

**GENERAL NOTES:**

- THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET 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 SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENT INTO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
- THE LOT SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM THE BEST AVAILABLE INFORMATION.
- ALL SHOWN HOUSE SITES COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
- ALL WELLS SHALL BE DRILLED PRIOR TO FINAL PLAT RECORDATION. IT IS THE DEVELOPER RESPONSIBILITY TO SCHEDULE THE WELL DRILLING PRIOR TO FINAL PLAT SUBMISSION. IT WILL NOT BE CONSIDERED "GOVERNMENT DELAY" IF THE WELL DRILLING HOLDS-UP THE HEALTH DEPARTMENT SIGNATURE OF THE RECORD PLAT. IF THE WELL SUCCESS RATE IS ACCOMPLISHED AT VARIOUS LOCATIONS WITHIN THE SITE, THE DEVELOPER SHALL HAVE THE OPTION TO REQUEST RELIEF FROM DRILLING THE REMAINING WELLS PRIOR TO PLAT RECORDATION.
- TOPOGRAPHY SHOWN IS FROM HOWARD COUNTY GIS TOPOGRAPHY AT 5' CONTOUR INTERVAL INTERPOLATED FOR 2' CONTOUR INTERVAL.
- ALL WELLS AND SEPTIC SYSTEM WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN.

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
ELLICOTT CITY, MARYLAND 21042  
(410) 461 - 2955

- LEGEND**
- EXISTING 2' CONTOURS
  - EXISTING 10' CONTOURS
  - EXISTING TREE LINE
  - SOIL LINES AND TYPES
  - ⊙ DENOTES PROPOSED WELL
  - ⊙ F 209 DENOTES FAILED PERC
  - ⊙ DENOTES PASSED PERC
  - ⊠ DENOTES PROPOSED HOUSE
  - ▨ DENOTES 15%-24.9% SLOPES
  - ▩ DENOTES 25% AND GREATER SLOPE
  - DENOTES 1500 Sq.Ft. ALTERNATE WELL SITE

**OWNER AND DEVELOPER**  
MR. AND MRS. RUSS CONKLIN  
11 SEMINOLE AVENUE  
BALTIMORE, MARYLAND 21228-5638

**PERC CERTIFICATION**  
I certify that the locations shown hereon are based on field locations done under my direct supervision and are correct to the best of my professional knowledge and belief.  
*Terrell A. Fisher*  
Signature of Professional Land Surveyor  
Terrell A. Fisher, Professional Land Surveyor No. 10692  
3/25/02  
DATE

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT.  
*[Signature]*  
COUNTY HEALTH OFFICER  
4/12/02  
DATE

PERC CERTIFICATION PLAT

**HOWARD LODGE LLC**

TAX MAP #9 PARCEL: 163 ZONED:RR-DEO  
3RD ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
SCALE: 1" = 50' DATE: MARCH 25, 2002

Signed Perc. Cert. PC 516462