

5/8/03
9:00

APPLICATION

PERCOLATION TESTING

A 518628

PROPOSAL TO
MOVE SDA
TO ACCOMMODATE
PROP. BARN

P _____

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

DISTRICT _____

DATE 4/21/03

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 Don P. Pistorio
ADDRESS 5221 LYNNGATE RD COLOMBIA MD 21044 cell 410-227-1617
PHONE 410-730-5837

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION: 1881 ~~7342~~ MARRIOTTSVILLE RD
MARRIOTTSVILLE MD 21104

SUBDIVISION MARRIOTTSVILLE ESTATES LOT NO. PARCEL B 3 7.7342 AC ±

ROAD AND DESCRIPTION SEE EXHIBIT A LEGAL DESCRIPTION

GRID 18 P. 257
TAX MAP 10 PARCEL # ~~7342 AC ±~~

SIZE OF LOT 7.7342 AC ± TYPE BLDG. SINGLE FAMILY WITH BARN
(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 _____ 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

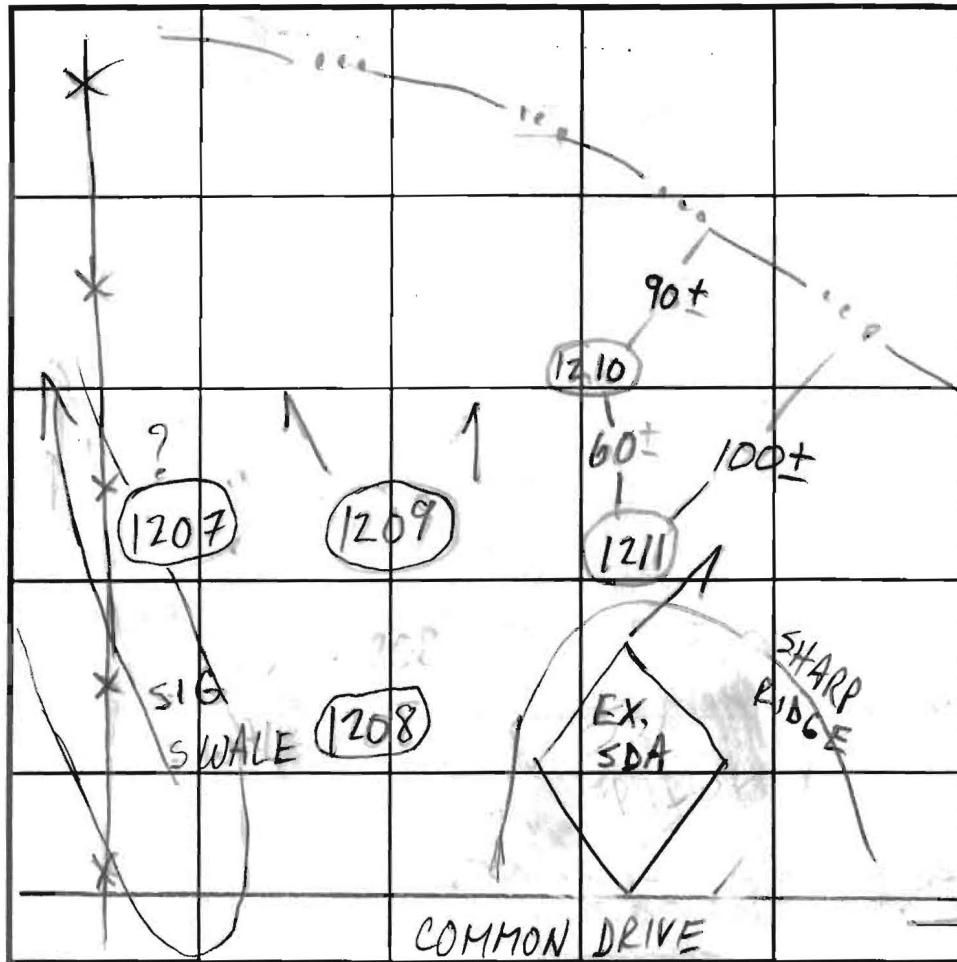
COUNTY #

SOIL PROFILE

0' 1211
 brn
 hvy lm
 4
 tan
 brn
 orge
 sa lm
 5-10/0
 12
 1 1/2 H₂O

SOIL PROFILE

0'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5/8/03	1210/19	8	H ₂ O	@ 5'9"			F
	1211/8 ^M _V	9 - 12 1/2	10:10	10:12	10:12	10:16	4
	1208/4 _V	9	H ₂ O	@ 7'	4'	CLAY	F
	1209/24 _V	11	H ₂ O	@ 9'			F
	1207/15 _V	8	H ₂ O	@ 6'3"			F
SOME HOLE #s DON'T MATCH ENG'R PLAN OF 5/7/03							

REMARKS HOLE I.D. AT #1207 UNCERTAIN, SIG. ADJUSTMENT REQ'D

TYPE OF SOIL _____ FOR APPROVAL

TESTED BY M. Rifkin ALSO PRESENT Owner, hoe man

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT/BEDROOM _____

APPLICATION

PERCOLATION TESTING

A _____

P _____

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

DISTRICT _____

DATE _____

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 Pistorio

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Marriottsville Est LOT NO. B-3

ROAD AND DESCRIPTION _____

TAX MAP _____ PARCEL # _____

SIZE OF LOT _____ TYPE BLDG. SFD w/ BARN
(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 _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

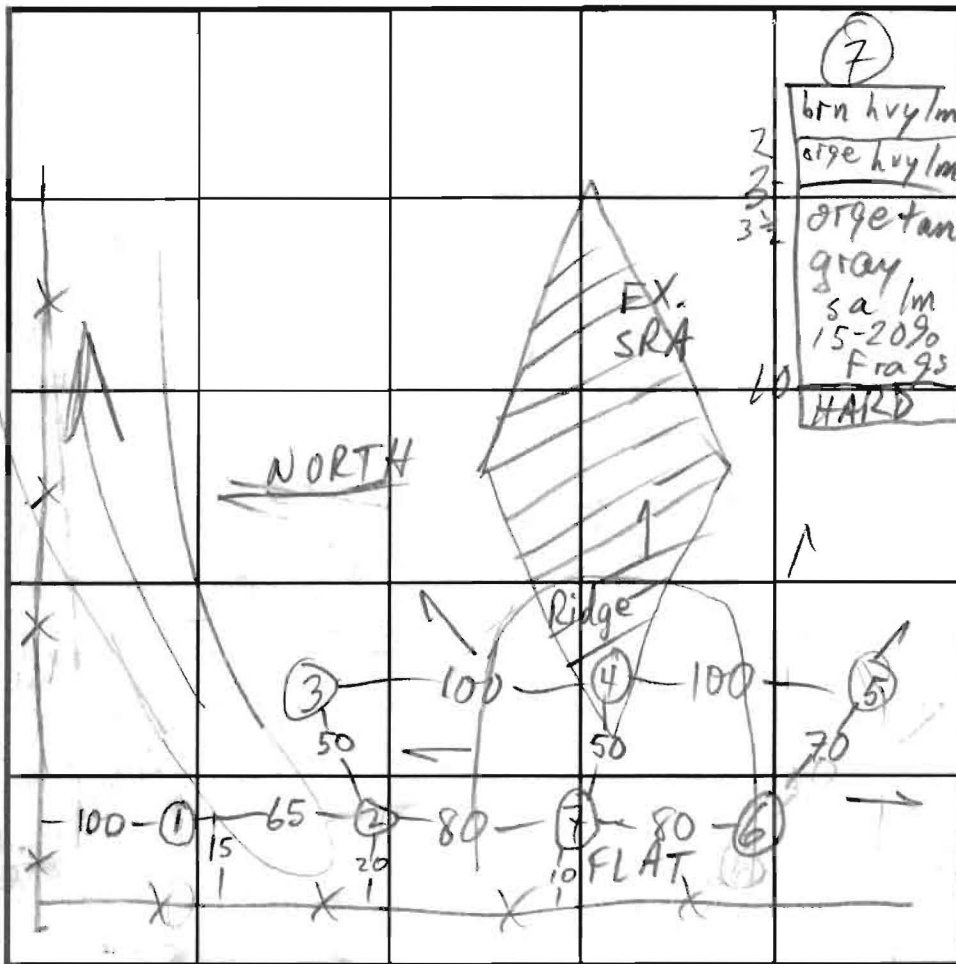
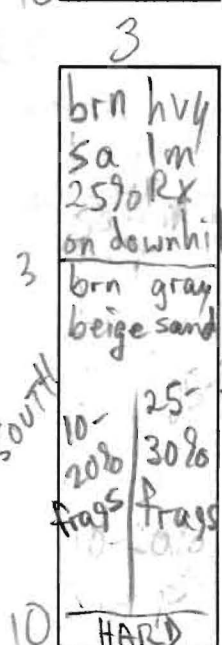
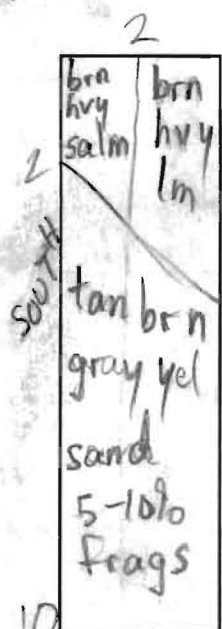
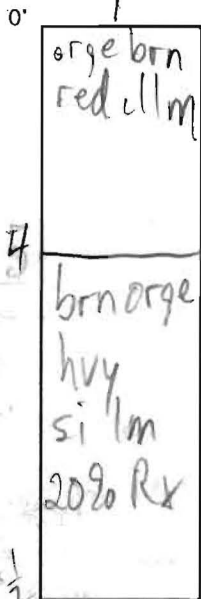
PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

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

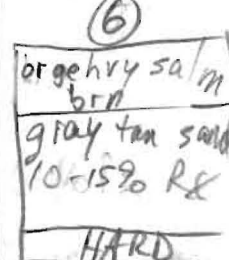
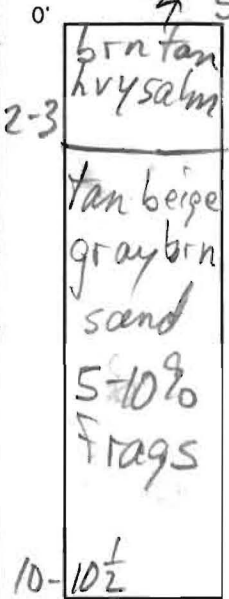
THIS IS NOT A PERMIT

COUNTY #

SOIL PROFILE



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE. COMMON DRIVE

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7/8/03	1 S V	9 3/4" / 8 1/2"	8:23	SLOW			F
	2 S	3 1/2"	8:50:20 / 8:53:10	8:51:10 / 8:54:40	8:51:10 / 8:54:40	8:52:30 / 8:56:40	120 / 2
	2 M V	7" / 10"	9:05:25	9:06:45	9:06:45	9:08:45	2
	3 S M V	3 1/2" / 7 1/2" / 10"	9:48:10 / 10:13:25	9:51 / 10:15:15	9:51 / 10:15	10:00 / 10:18	9 / 3
	4 V	10"					OK
	5 S V	4 1/2" / 10"	10:46:45 / 10:49:10	10:47:30 / 10:50:10	10:47:30 / 10:50:10	10:48:35 / 10:57:40	14 / 130
	5 M V	7"	11:08:10	11:09:20	11:09:20	11:11:20	2
	6 S V	4 7/8" / 9 3/8"	11:16:00 / 11:53:55	11:17:30 / 11:55:30	11:17:30 / 11:55:30	11:19:40 / 11:57:15	2+ / 145
	7 S V	4 3/8" / 10"	11:35:10	11:39	11:39	11:48	9

REMARKS _____
 TYPE OF SOIL _____
 TESTED BY M. Ripkin ALSO PRESENT Owner, Mike Fulton
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH 3
 INLET DEPTH 2 1/2 MAXIMUM BOTTOM DEPTH 4 1/2 SQ. FT./BEDROOM 180 (X0.83)

APPLICATION

PERCOLATION TESTING

A _____

P _____

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

DISTRICT _____

DATE _____

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 Don Pistorio

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION 1881 Marriottsville Rd LOT NO. _____

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)

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HOLD PENDING FURTHER TESTS _____

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

THIS IS NOT A PERMIT

COUNTY #

SOIL PROFILE

DOWN 1204 UP

brn hvy sa lm
30-40% Rx

3 tom gray sand

20-30-40% Rx
25% Rx

6-6 1/2

SEMI HARD

10

1205

orge brn cl lm

5 1/2 tan dark gray beige sa lm
10-15% Rx

10' 9"

11 H₂O

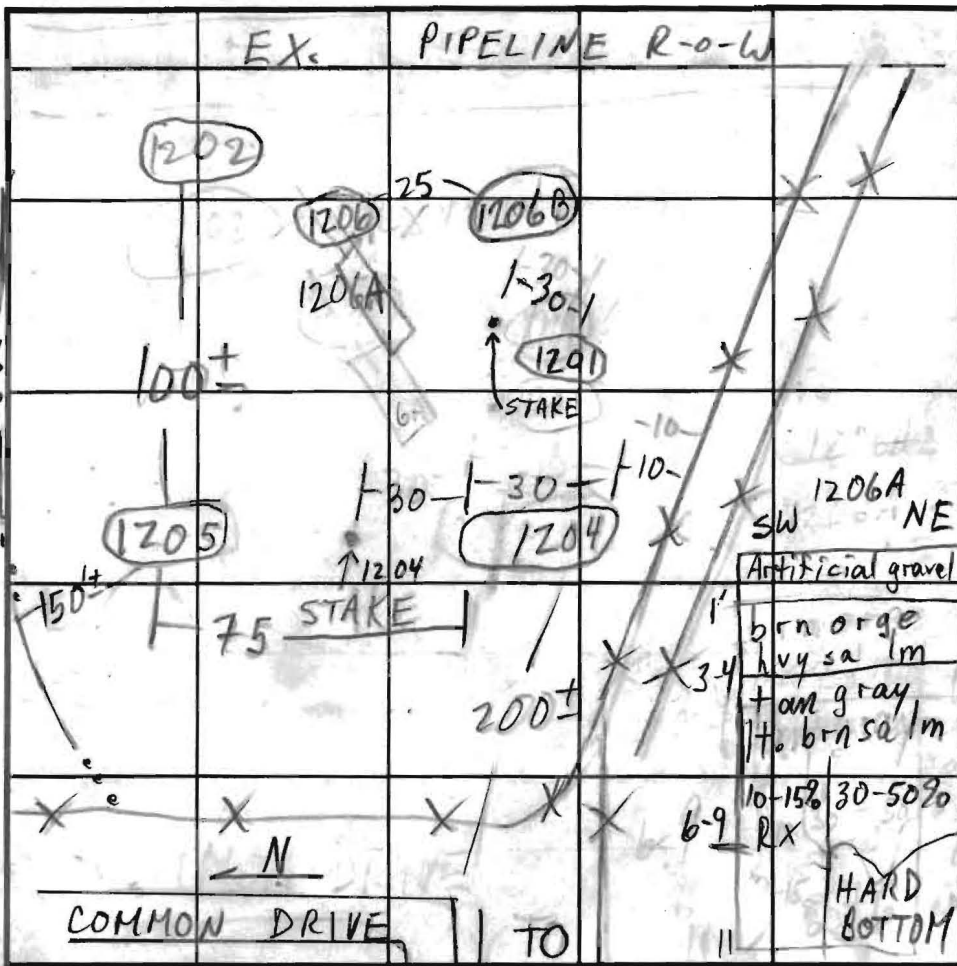
1202

orge brn cl lm

5 30% gravel

tan dark gray sand
10-20% Rx

11 1/2 H₂O entering at 7 1/2



SOIL PROFILE

0' 1206

6" Artificial gravel?

12" brn hvy lm
30-50% Rx

3-4 tan brn sa lm
30-60% Rx

8 6/11 H₂O

9 1/2

1201

orge brn hvy lm

tan gray sa lm
10% frags

11 3/4

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

MARR RD

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
5/8/03	1204/20	8 1/2	12:21:50	12:22:50	12:22:50	12:24:50	2	
	1205/21	11	H ₂ O	10' 9"	MARGINAL			
	1202/22	11 1/2	H ₂ O entering @ 7 1/2'				F	
	1206	9 1/2	Rx + H ₂ O @ 8' 9"				F	
	1201	11 3/4					OK	
	1206A	6-11	OK ONLY AT SOUTHWEST END					
	1206B	6	REFUSAL		Rx		F	

REMARKS HOLE #S DON'T MATCH PLAN

TYPE OF SOIL

TESTED BY M. R. F. Kin

ALSO PRESENT Owner, hoe man

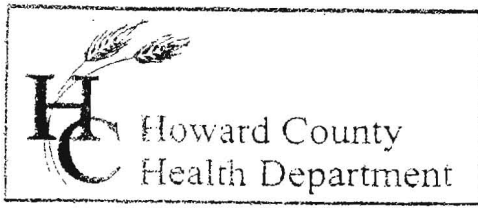
TRENCH DESIGN DATA. AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM



3525 H Ellicott Mills Drive, Ellicott City, MD 21043
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer
August 4, 2003

Don Pistorio
5221 Lynngate Drive
Columbia, MD 21044

RE: Percolation Test Results – A 518628
Marriottsville Estates, Lot B-3
1881 Marriottsville Road
Adjustment of Previously Approved Reserve
Area to Accommodate Proposed Barn

Dear Mr. Pistorio:

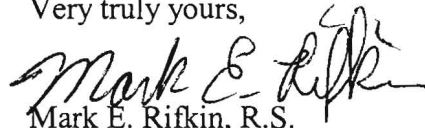
Percolation testing conducted July 8, 2003 on the referenced property indicated satisfactory soil conditions in most test holes. Copies of the test results are enclosed.

Further review is contingent upon submission by a registered engineer/surveyor of a percolation certification plan showing the following:

- 1) actual locations of all excavated test holes (including those from May 8) with suitable legend to distinguish passed holes from failed holes
- 2) a note documenting field-verified topography in the vicinity of the most recent test holes
- 3) the proposed house, barn and well sites
- 4) the proposed sewage reserve area
- 5) the existing sewage reserve area approved in 1976
- 6) a note certifying that all existing wells and septic systems within 100 feet of property boundaries have been shown
- 7) a purpose statement
- 8) the plan identification number (PC 518628) in the lower right hand corner

The percolation certification plat should be submitted within 60 days to allow field verification if necessary. If you have any questions regarding this matter, please contact me at the above address or by calling (410) 313-2640.

Very truly yours,


Mark E. Rifkin, R.S.
Water and Sewerage Program

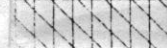

MR
Enclosures

cc: File

Gerhard, Cross & Etzel



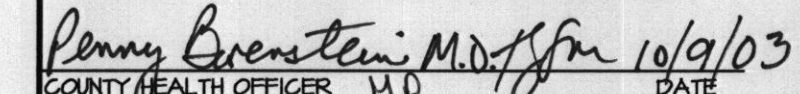

A BOUNDARY SURVEY WAS PERFORMED BY GERHOLD, CROSS & ETZEL LTD.
 BEARINGS SHOWN HEREON ARE BASED ON HOWARD COUNTY GIS, MORE OR LESS.
 ELEVATIONS AND CONTOURS SHOWN HEREON ARE BASED ON AN ASSUMED VERTICAL DATUM BASED ON HOWARD COUNTY GIS.
 ALL VISIBLE WELLS AND SEPTICS WITHIN 100' OF THE PROPERTY LINES HAVE BEEN SHOWN HEREON.
 THE PURPOSE OF THIS PLAN IS TO ADJUST THE PREVIOUSLY APPROVED SEPTIC RESERVE AREA TO ACCOMMODATE THE PROPOSED BARN.

 EXISTING APPROVED SEPTIC RESERVE (1976) TO BE ABANDONED OR AT LEAST 10,000 SF
 THIS AREA DESIGNATES A PRIVATE SEWAGE RESERVE AREA 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. THESE RESERVE AREAS SHALL BE NULL AND VOID UPON CONNECTION TO A PUBLIC SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE RESERVE AREA. (2003)

PERCOLATION CERTIFICATION PLAN OF PISTORIO PROPERTY
 1881 MARRIOTTVILLE ROAD
 HOWARD COUNTY, MARYLAND

PLAN ID No. PC 518628
 3rd ELECTION DISTRICT
 SCALE: 1"=50' DATE: MAY 5, 2003

GERHOLD, CROSS & ETZEL, LTD
 REGISTERED PROFESSIONAL LAND SURVEYORS
 Suite 100
 320 East Townsontown Boulevard
 Towson, Maryland 21286
 (410) 823-4470

APPROVED, FOR PRIVATE WATER AND SEWAGE SYSTEMS

 COUNTY HEALTH OFFICER
 DATE: 10/9/03
 PERCOLATION 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.

 DONALD R. HALL, REGISTERED PROPERTY LINE SURVEYOR No. 221 DATE: 10/3/03

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REVISIONS TO BARN, HOUSE & SEPTIC ELEVATIONS, ADDED NOTES AND SIGNATURE BLOCK	04/25/03
ADDED FIELD LOCATED PERC TESTS AND TOPO, REVISIONS TO BARN, HOUSE AND WELL	04/05/03
REVISION	DATE

PLOT DATE: 10/1/2003 TECHNICIAN: DRH FILE NAME: X:\pistorio\Marriottville\SH5505CAL