

APPLICATION

10/25/95
NO PERC
FEE - SEE LETTER

PERCOLATION TESTING

A 19911

P _____

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

*used Friday's preferred
tyrod probably back here
contractor*

DISTRICT _____

DATE 10/25/95

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 MRS. ROBERT HAROLD & MARTHA BROWN

ADDRESS 4179 HERITAGE HILL LANE PHONE 410-531-5073
ELLICOTT CITY, MD, 21042

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION GLENEGG MANOR FARMS I LOT NO. 10

ROAD AND DESCRIPTION AS ABOVE

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 _____ 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 _____

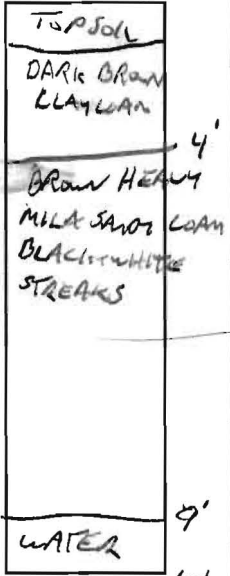
THIS IS NOT A PERMIT

A19911

COUNTY #

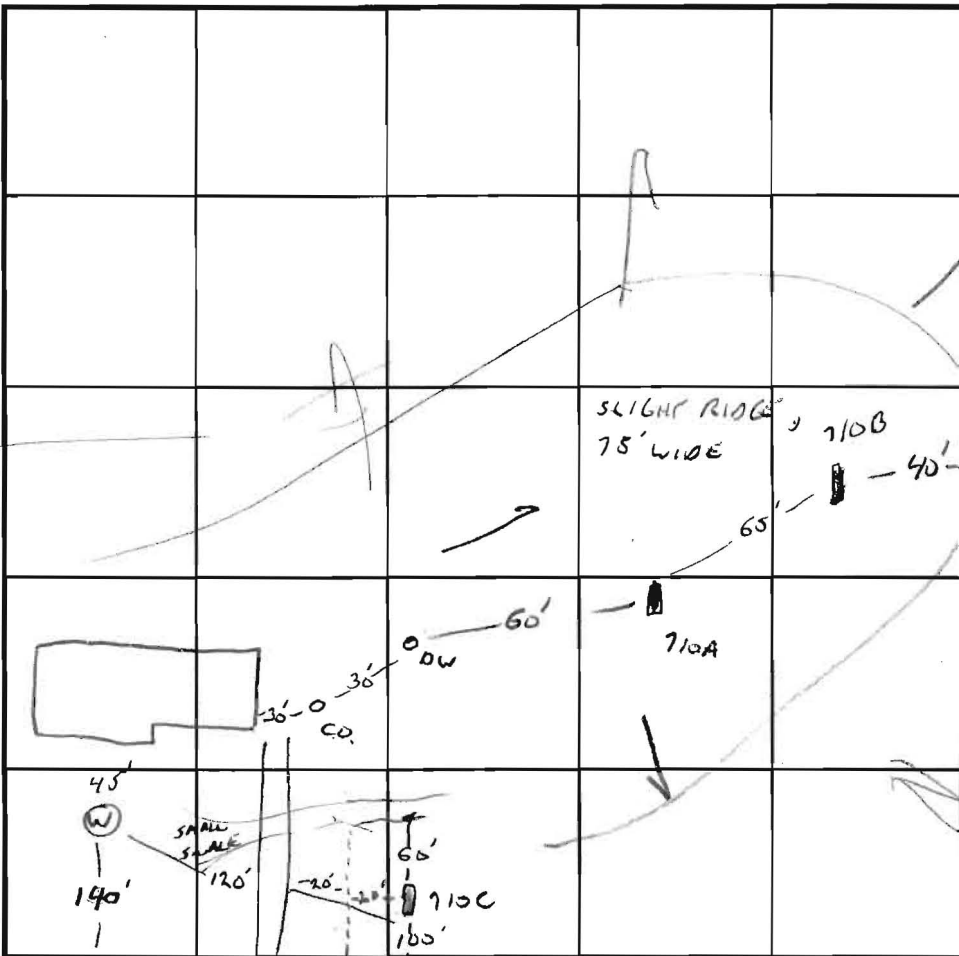
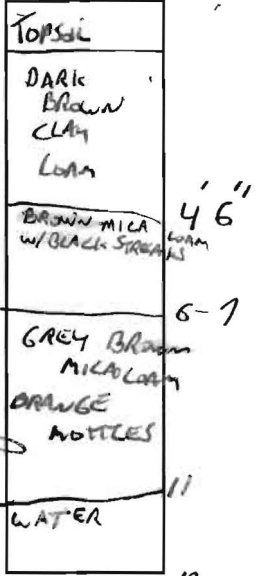
SOIL PROFILE

710B



SOIL PROFILE

710A

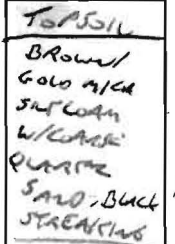


INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

BURIED BG+6 HERITAGE HILL

PROP LINE

710C



6" BAND OF ORANGE MOTTLES AT 10"

DRY

13"

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7/10/96	X 710A	4'6" / 12"	10:54	11:08	2 1/4"	TEST STOPPED	
	X WATER AT 9"	10"					
	X 710A	5' / 10"	11:14	11:16	11:16	11:22	6 MIN
	710C	4' / 13"	11:36	11:38	11:38	11:40	2 MIN

E1. 2-9"

REMARKS WATER TABLE CAUTIONS - SEE TOP & PAST PER HISTORY 10/25/95 88.

TYPE OF SOIL SOME OF COLOR VARIATIONS DERIVED FROM AERENT MATERIAL

TESTED BY G. SAVAGE ALSO PRESENT

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME TRENCH WIDTH

INLET DEPTH MAXIMUM BOTTOM DEPTH SQ. FT./BEDROOM

APPLICATION

PERCOLATION TESTING

REPAIR PERC
NO PERC FEE
- SEE LETTER

A 1991

P _____

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

DISTRICT _____

DATE 7/10/96

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 HAROLD BROWN

ADDRESS 4119 HERITAGE HILL LANE PHONE _____

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION GLEVELS MANOR FARMS T LOT NO. 10

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 _____ 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 _____

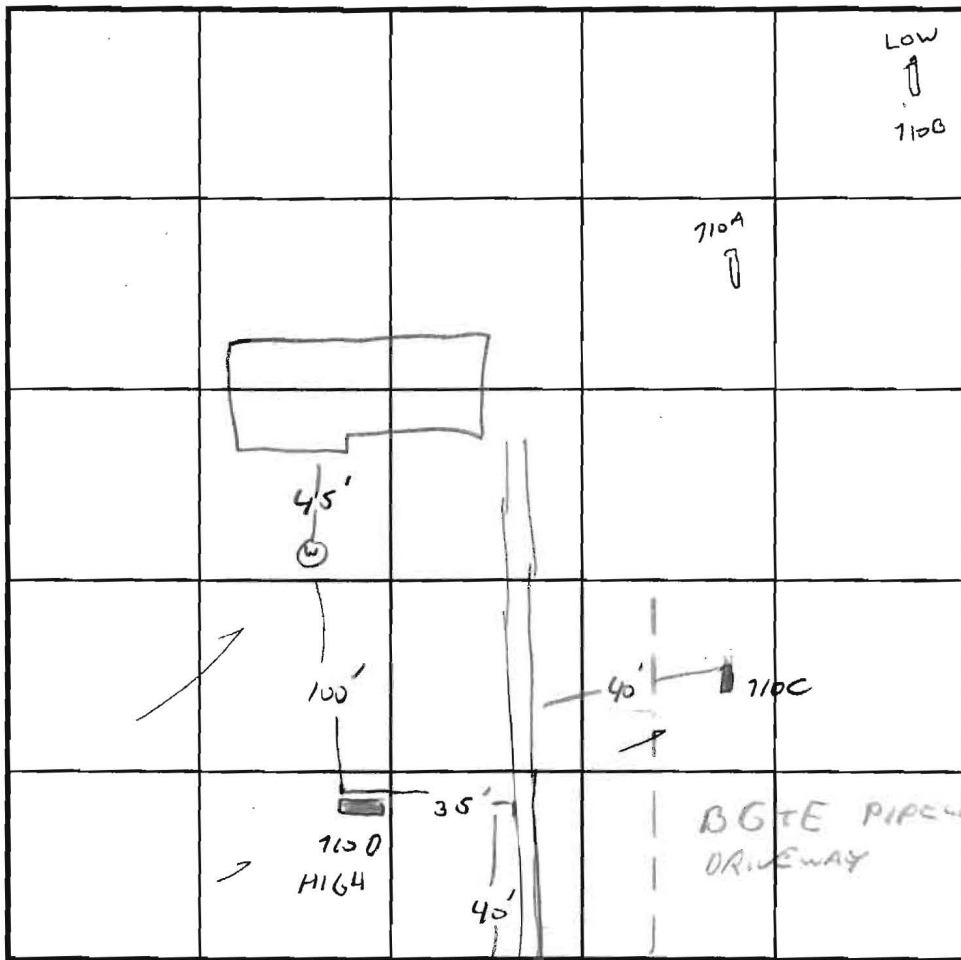
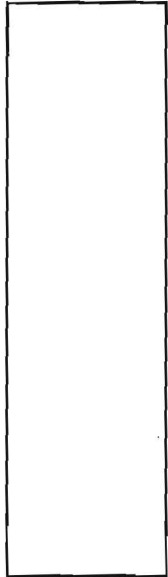
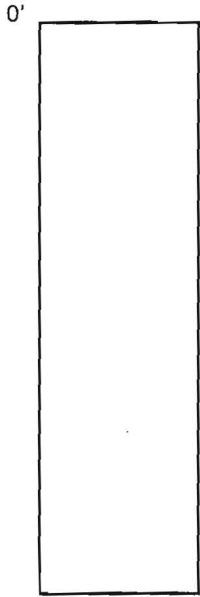
SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

A 19911

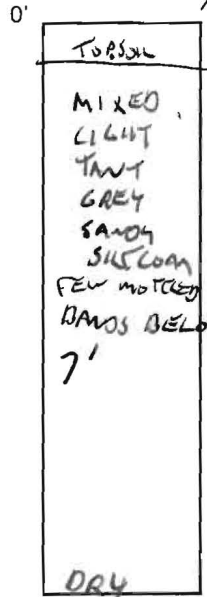
COUNTY #

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
HERITAGE HILL

SOIL PROFILE



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7/10/96	7100	4' / 13'	12:00	12:08	12:08	12:22	14 MIN
	OK TO 9' 710C	2.5 / 13.5	VISUAL	SIMILAR	75.0	OK	

REMARKS SHEET 2 OF 2, USE OF HIGH AREA WOULD REQUIRE PUMP

TYPE OF SOIL _____

TESTED BY G. SAVAGE ALSO PRESENT FROCKS - RICK +

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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



HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer

July 26, 1996

Mr. and Mrs. Harold Brown
4179 Heritage Hill Lane
Ellicott City, Maryland 21042

RE: Percolation Testing To Support
Building Permit Application
Serial Number: 62245
Proposal: Additions (Garage and
2 Bedrooms)

CONTRACTOR
WILL ARRANGE
FOR ADDITIONAL TESTING
ON 7/31 AND
AGENT HOMEWORK
THAT IS LIKELY
PUMPED SYSTEM
OUTCOME.
7/30/96
CW

Dear Mr. and Mrs. Brown:

The submitted plot plan accommodating the above referenced building permit application showed the proposed addition infringes on the established ten thousand square foot septic easement and the installed septic system. Both the septic easement and the existing septic system will require relocation.

Percolation testing was conducted July 10, 1996 to try to resolve this conflict. Insufficient area could be established in the locations tested.

Suitable soil conditions were found in a limited area. Topography and water table were the primary limiting factors in the areas tested.

No further evaluation was performed on the day of the testing due to the uncertainty of lot boundaries and the contractors authorization to proceed in areas remote from the house.

Due to the complexities involved with your lot, we recommend a conference at this office prior to proceeding further with this proposal.

Very truly yours,

Glen Savage, Sanitarian
Water and Sewerage Program

GS:jr

cc: Miles Homes
Department of Licenses and Permits
File

22-23-282

11.25 AC BULK 76



HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer

August 20, 1996

Mr. and Mrs. Harold Brown
4179 Heritage Hill Lane
Ellicott City, Maryland 21042

RE: Percolation Test Results
Application Number: A19911
Proposed Use: To Support Building Permit
Property ID: Glenelg Manor Farms/ Lot 10
Tax Map: 22 Parcel: 282

Dear Mr. and Mrs. Brown:

Additional percolation testing was conducted August 2, 1996 on the above referenced property. See letter of July 26, 1996 regarding inconclusive status of original efforts. The proposal is to construct an addition that infringes on the installed septic system. Aside from the need for replacement of that system, there is a statutory requirement for preserving a complete 10,000 square foot sewage disposal easement.

The most recent testing established suitable soils in the area tested along the northern property boundary. Shallow water table encountered in the lower portion of the test area limits the lower boundary of a septic easement to no closer than 45 feet uphill of test hole "82A". It is expected that any septic easement proposal will maintain a minimum separation of 25 feet to the center of any swale, and 100 feet to the well. Suitable soils were also found in a limited area tested August 2, 1996.

A Percolation Certification Plan showing the following information should be submitted to this office (preferably by a registered engineer):

- actual locations & elevations of all excavated test holes
- locations of existing wells and septics that are on the property
- show all existing structures on the property
- locations of existing wells and septics within 100 feet of property boundaries
- streams/swales/springs or any other relevant features

Mr. and Mrs. Brown

- 2 -

August 19, 1996

This plan 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 313-2640.

Very truly yours,



Glen Savage, Sanitarian
Water and Sewerage Program

GS:jr

Enclosures

cc: Miles Home Services
Files

APPLICATION

PERCOLATION TESTING

8/2/96
NO FEE
REPAIR PERC
-SEE LETTER

A 1996
P _____

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

DISTRICT _____
DATE 8/2/96

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 HAROLD BROWN

ADDRESS 4179 HERITAGE HILL LANE PHONE _____

AGENT OR PROSPECTIVE BUYER _____

ADDRESS ELLICOTT CITY PHONE 410-531-5073

PROPERTY LOCATION:

SUBDIVISION GLENELG MANOR FARMS I LOT NO. 10

ROAD AND DESCRIPTION AS ABOVE

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 _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

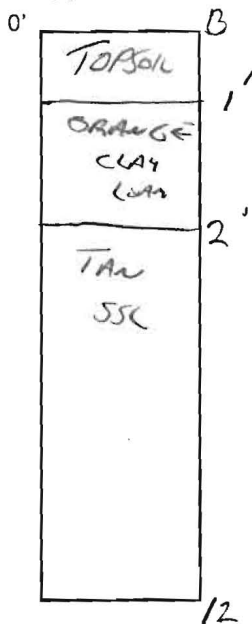
PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

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

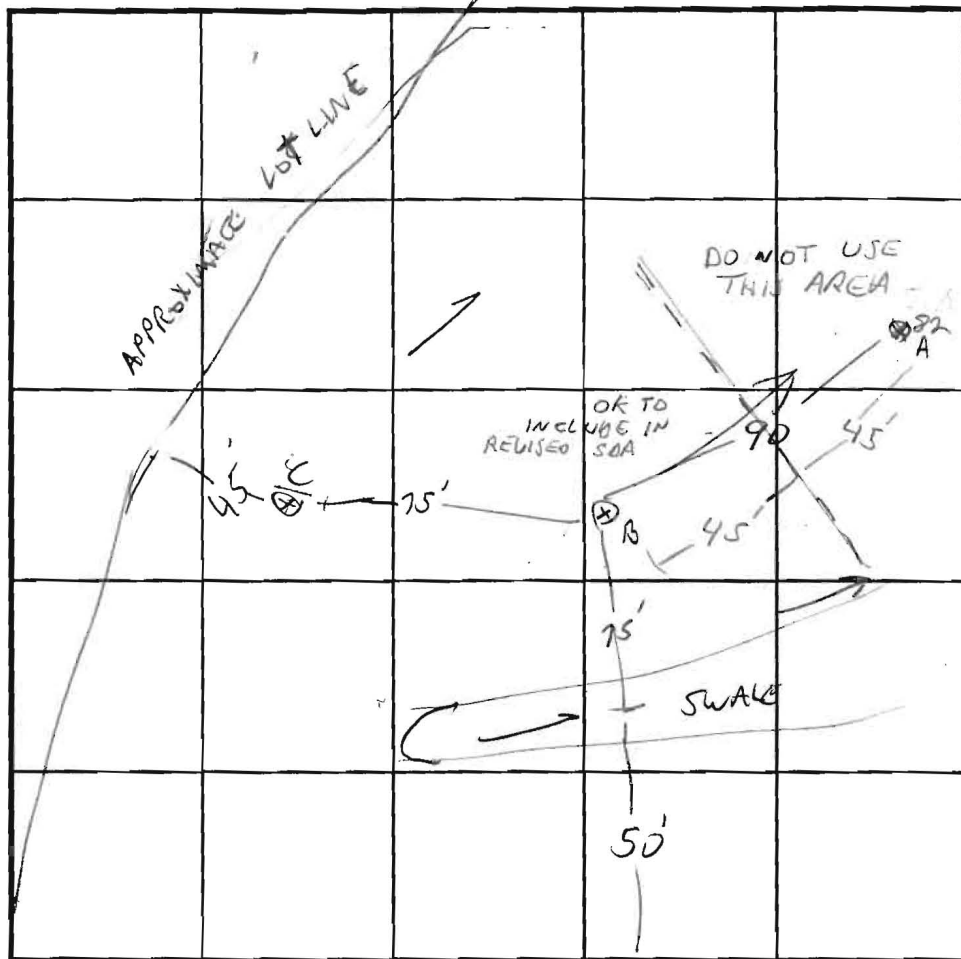
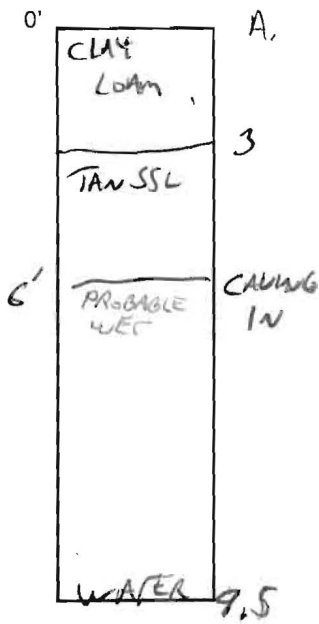
THIS IS NOT A PERMIT

19911
COUNTY #

SOIL PROFILE



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

HERITAGE HILL ROAD

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8/2/96	B	2.5 / 12	1:28	1:29	1:31	1:33	2 MW
	A A -	FAIL - WATER					
	C	13.5	VISUAL - SIMILAR TO		B		

REMARKS PROPERTY EXTENDS ACROSS LAKE

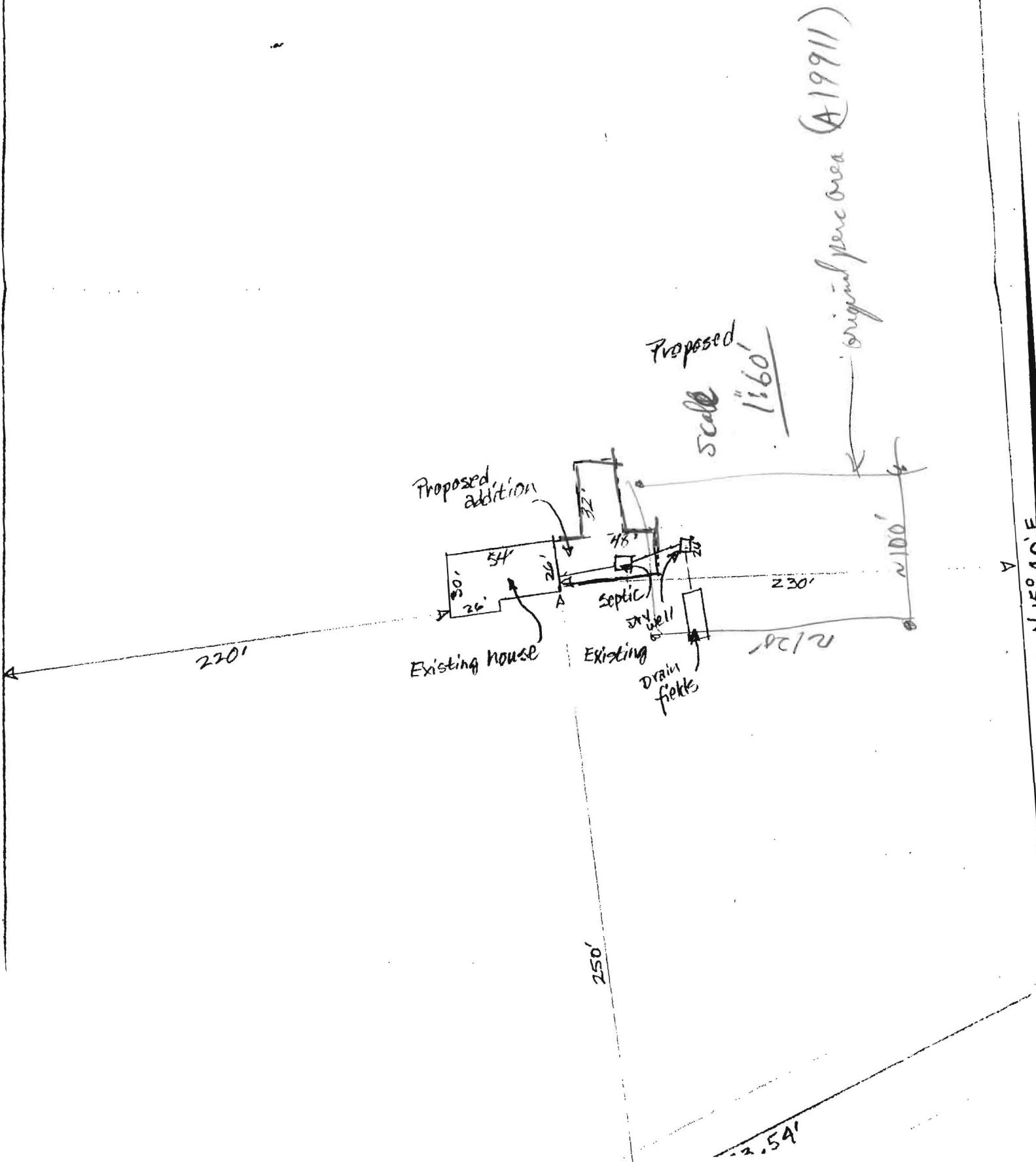
TYPE OF SOIL _____

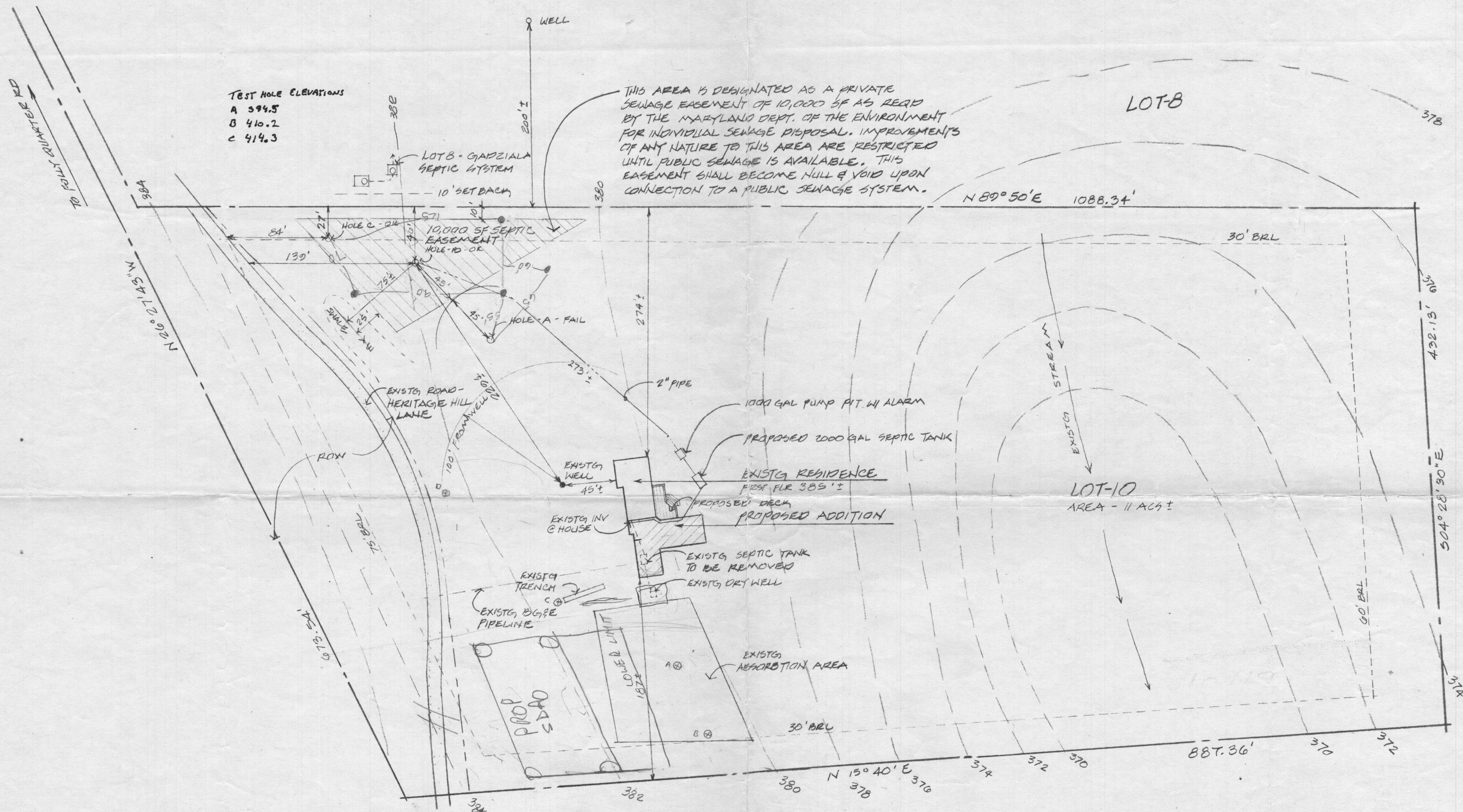
TESTED BY G. SAVAGE ALSO PRESENT JACK EPOCH, MA. BROWN

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 2 MW TRENCH WIDTH 2

INLET DEPTH 3 MAXIMUM BOTTOM DEPTH 7 SQ. FT./BEDROOM 180

28
3





TEST HOLE ELEVATIONS
 A 394.5
 B 410.2
 C 414.3

THIS AREA IS DESIGNATED AS A PRIVATE SEWAGE EASEMENT OF 10,000 SF AS REQD BY THE MARYLAND DEPT. OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE TO THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL & VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM.

PERC CERTIFICATION INFO

THE PURPOSE OF THIS DOCUMENT IS TO RELOCATE THE SEPTIC DISPOSAL AREA FOR THE EXISTING HOUSE, KNOWN AS 4170 HERITAGE HILL LANE, IN ASSOCIATION WITH BUILDING PERMIT # B00062245, FOR A TWO BEDROOM, BATH, GREAT ROOM & GARAGE ADDITION. UPON APPROVAL OF THE BUILDING PERMIT, THE APPLICANT IS TO ABANDON AND REPLACE THE EXISTING SEPTIC SYSTEM WHICH IS IN CONFLICT WITH THE PROPOSED ADDITION.

ALL WELLS & SEPTICS ON THE PROPERTY HAVE BEEN SHOWN. ALL WELLS & SEPTICS WITHIN 100' OF THE PROPERTY BOUNDARIES HAVE BEEN SHOWN.

Joyce M. Boyce MD/PA, 10/13/96
 HOWARD COUNTY HEALTH OFFICER

11/15/00 w/CINDY d. Zoppo FOR NEW SFD
 RE-PERC STRONGLY RECOMMENDED
 MR/ALM DUE TO SHALLOW H₂O TABLE IN
 AUG '96

SITE INFORMATION

4170 HERITAGE HILL LN
 LOT 10 GLENELG MANOR - SECTION 1
 LIBER NO. 644 FOLIO 640
 5th ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

ZONING: RR
 TAX MAP 22
 PARCEL 282

Glenelg Manor I
 Lot 10

PROGRESS PRINTS

Date 9/17/96
 Not For Construction

SITE PLAN
 PERC CERTIFICATION PLAT
 1"=60'

SINEX DESIGN ARCHITECTS
 9014 BLUE PEARL COLUMBIA, MARYLAND 21045
 410.964.2554

ADDITIONS & ALTERATIONS FOR
 HAROLD & MARTHA BROWN
 4170 HERITAGE HILL LANE ELLICOTT CITY, MARYLAND 21042

1 of 1