

APPLICATION

PERCOLATION TESTING

A 512778

P _____

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

DISTRICT _____

DATE 10/22/1999

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 Cosimo + Kathleen Greco (410) 242-3839

ADDRESS 5528 Charville Avenue PHONE cell - 443-324-7763
BALT. MD. 21227

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Karras Property LOT NO. 2

ROAD AND DESCRIPTION 16189 Old Frederick Road Lisbon Md. 21765

TAX MAP 2 PARCEL # 31

SIZE OF LOT _____ TYPE BLDG. SFD
(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. Judith Littleman
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

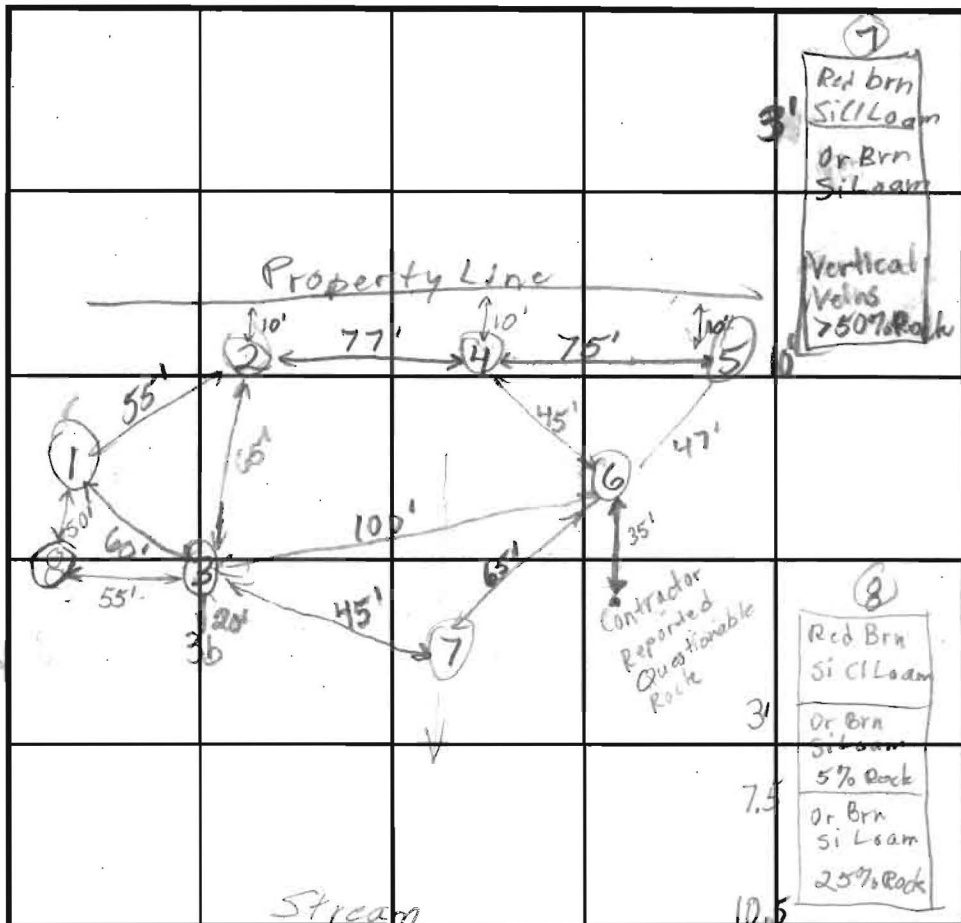
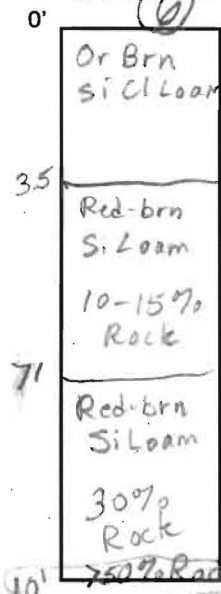
PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

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

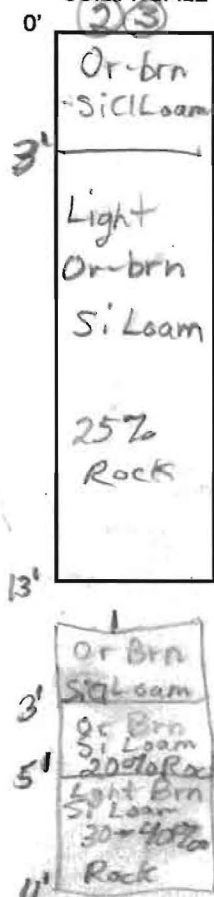
THIS IS NOT A PERMIT

COUNTY #

SOIL PROFILE



SOIL PROFILE

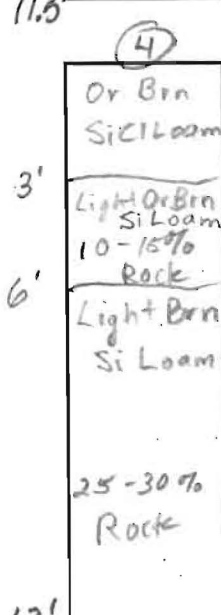
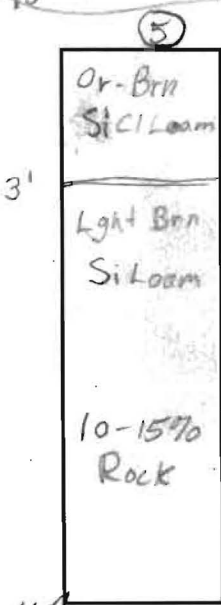


INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
2/15/00	6	3'/10'v	12:19:30	12:26	12:26	12:39:30	3.5	
	5	3.5'/11.5'v	12:24:30	12:42	12:42	1:02	20	
	4	13'v	See Profile				→ O.K.	
	2a	3.5'/13'v	12:48	12:49	12:49	12:51	2	
	b	8'v	12:40	12:43	12:43	12:47	4	
	3	3.5'/11'v	12:55	12:58	12:58	1:03	5	
	1	11'v	See Profile				→ O.K.	
	7	10'v	See Profile				→ F	
	3b	Covered by contractor - Reported Questionable Rock						
	8	10.5'v	See Profile				→ O.K.	

REMARKS Overall content of hole #7 ≅ 30% rock fragments, but with severe veins (pockets) of 75% rock.
 TYPE OF SOIL _____
 TESTED BY B. Baker, C.W. ALSO PRESENT Ketterman
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 6 TRENCH WIDTH 3
 INLET DEPTH 2 MAXIMUM BOTTOM DEPTH 4 SQ. FT./BEDROOM 180

* Trench Spacing to be 7' Edge to Edge *



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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 Mr. and Mrs. Greco

ADDRESS 5528 Carrille Ave. Balt., MD 21227 PHONE (410) 242-3839

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Karras Property LOT NO. 2

ROAD AND DESCRIPTION 16189 Old Frederick Road Lisbon, MD 21765

TAX MAP 2 PARCEL # 31

SIZE OF LOT _____ TYPE BLDG. SFD
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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(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

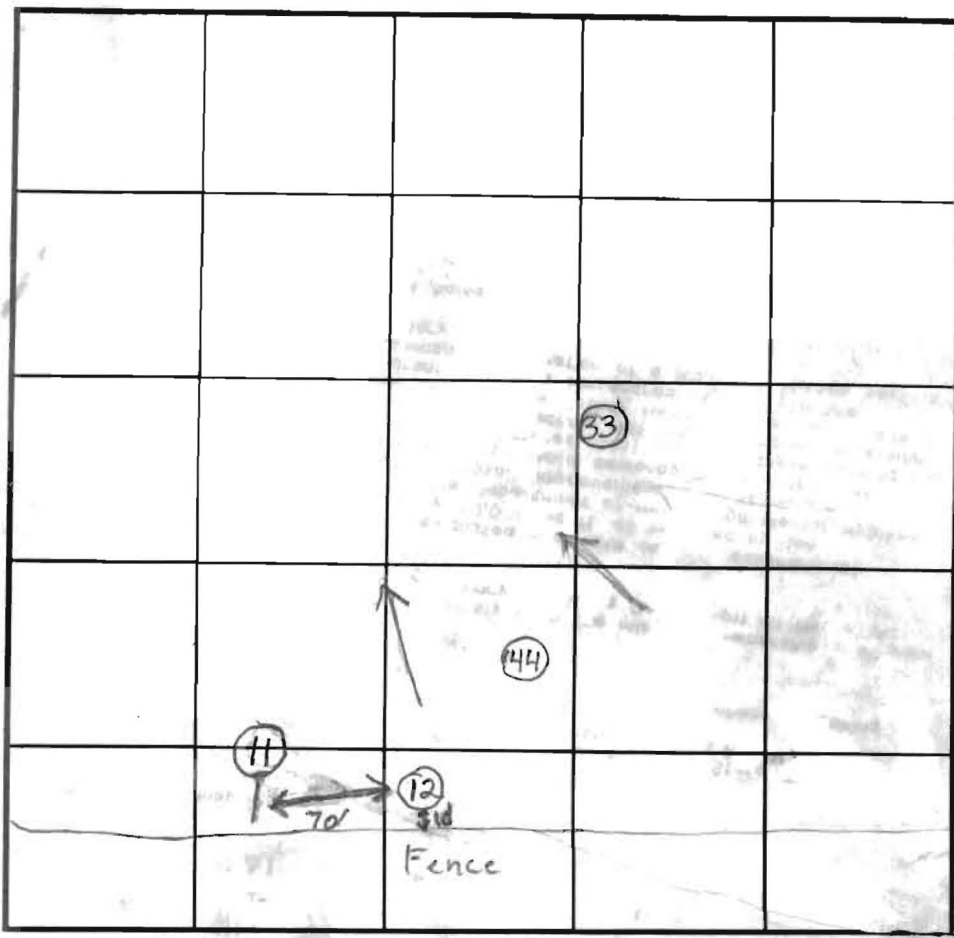
(44)

0'
Or Brown Clay Loam
3.5'
Red Brown Sa Loam
~ 35% Shale
10.5'
Water Seepage
14'

SOIL PROFILE

(12)

0'
Or Brown Clay Loam
3.0'
Red Brown Sa Loam
~ 35% Shale
13'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Old Frederick Road

(11)
Dark Brown Silty Loam
3.5'
> 50% Shale
11.5'
Water

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
9/25/00	44	14'V	- Requires Wet-season Monitoring					
	11	11.5'V	- Excess Rock, See Profile → (F)					
	33	8.0'V	- Caving at 7.0' → (F)					
	12	4'/13'V	12:30	12:32	12:32	12:36:30	4 1/2 (Wet Season)	
4/5/01	Water 7'8" below grade in monitoring pipe at test hole 44.							

(33)
Red Brown Clay Loam
7.0'
Caving
8.0'
Water

REMARKS Monitoring pipe placed in hole #44 to check
 TYPE OF SOIL water level during wet season.
 TESTED BY Brian Baber, Craig Williams ALSO PRESENT Mark - South Carroll
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____
 INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

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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 _____

DATE 8/1/00

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 Greco

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Karras Property LOT NO. 2

ROAD AND DESCRIPTION 16189 Old Frederick Road

TAX MAP 2 PARCEL # 31

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

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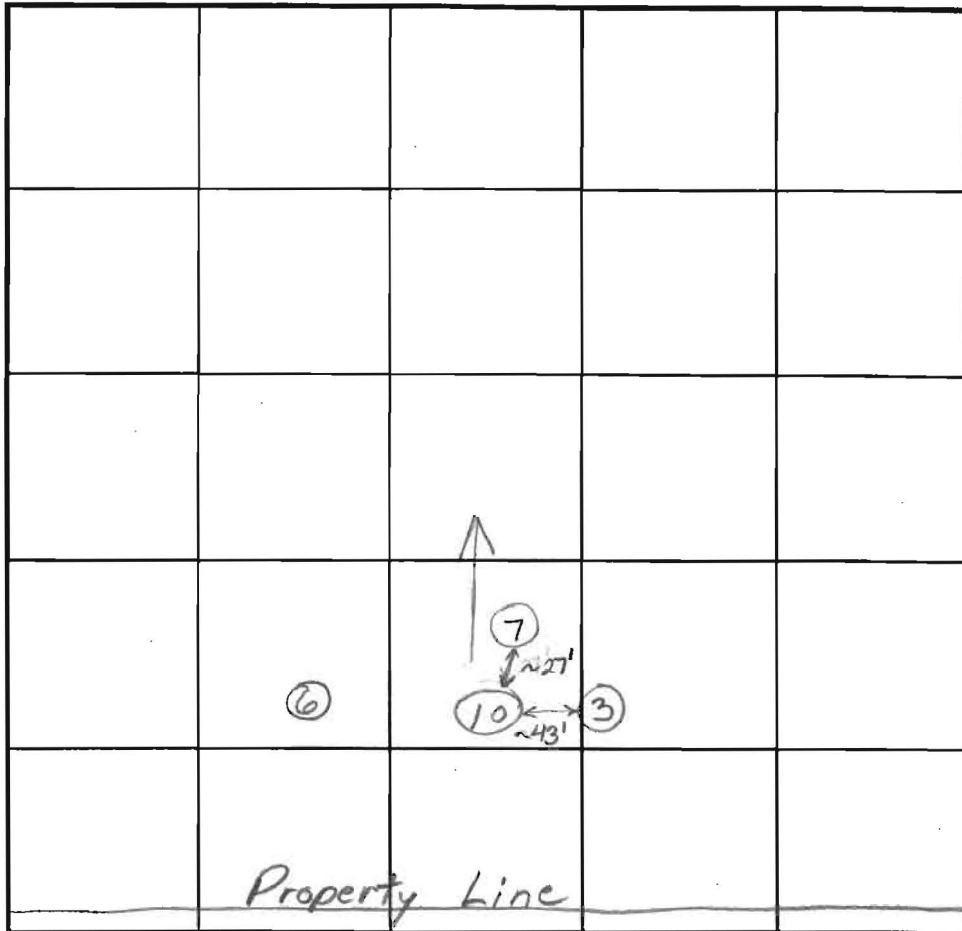
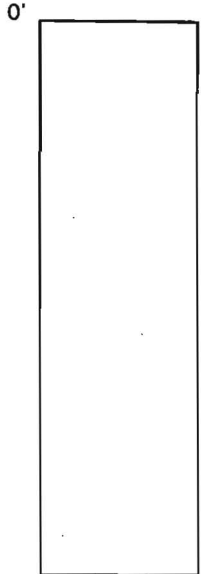
COUNTY #

SOIL PROFILE

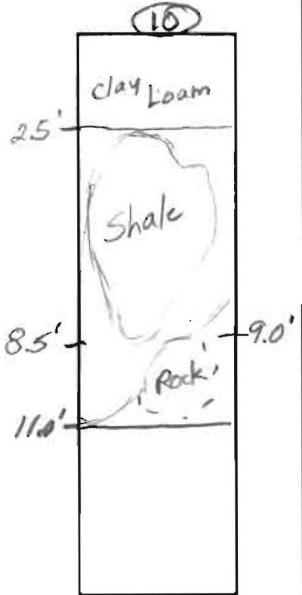
10

0'
 2.5' Red Brown Clay Loam
 Light Brown sa loam ~20% Rock with a shale pocket up to 3.0' wide from 2.5' - 8.5' 60-70% avg. rock in pocket (See Diagram Below)
 9.0' Light Brown sa loam ~20% Rock, with a partial hard bottom at 9'

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8/8/00	10	3' / 11' V	1:33:30	1:35:15	1:35:15	1:39:45	4.5
	(shale)	6.5'	1:36:30	1:37:30	1:37:30	1:39:30	2
	Repair		1:45:15	1:48:00	1:48:00	1:51:00	3
	Failed Due to Rock and Fast Perc Time						

REMARKS Similar to Hole 7 but with less shale and partial
 TYPE OF SOIL hard bottom - 4 ft. treatment area not established
 TESTED BY Brian Baker ALSO PRESENT Greco, Ketterman
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____
 INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____



~~October 6, 2000~~

HOWARD COUNTY HEALTH DEPARTMENT

Diane L. Matuszak, M.D., M.P.H., County Health Officer

October 6, 2000

Mr. and Mrs. Greco
5528 Carville Avenue
Baltimore, MD. 21227

RE: Percolation Test Results
Purpose: Relocation of Septic Easement
Property ID: Karras Property - Lot 2
Old Frederick Road Road
Tax Map: 2 Parcel: 31

Dear Mr. and Mrs. Greco:

Percolation testing conducted Monday, September 25, 2000, on the above referenced property, showed questionable soil conditions due to the shallow depth of the water table and excess rock in hole 11. A monitoring pipe was placed in test hole 44 for further water table evaluation during the spring wet season when water table levels are usually at their highest. A minimum of a four foot buffer has to be maintained between the bottom of the installed system and the water table. This four foot soil buffer treats the sewage and lessens the chance of ground water – well water contamination. In consideration of the soil characteristics seen during the perc testing, a system could be installed at a depth of five feet. Water seepage was seen in hole 44 at ten and a half feet. At present this represents an acceptable soil buffer. However, as I stated previously, this water level may change during the spring wet season which is the reason for the monitoring.

Copies of the percolation test results are enclosed.

If you have any questions please contact me at (410)-313-2643.

Sincerely,

Brian Baker

Brian Baker, Sanitarian
Water and Septic Program

Cc: Len Buerhaus
File ✓



HOWARD COUNTY HEALTH DEPARTMENT

Diane L. Matuszak, M.D., M.P.H., County Health Officer

March 1, 2000

Mr. and Mrs. Greco
5528 Carville Avenue
Baltimore, Maryland 21227

RE: Percolation test results
Purpose: Relocation of Existing Septic Area
Property ID: Karras Property – Lot 2
Old Frederick Road
Tax Map: 2 Parcel: 31

Dear Mr. and Mrs. Greco,

Percolation testing conducted Tuesday, February 15, 2000, on the above referenced property indicated limited satisfactory soil conditions. The limiting factor was excessive rock at shallow depths in certain areas.

Copies of the percolation test results are enclosed.

A registered engineer should submit a Percolation Certification Plan showing the following information to this office:

- actual locations & elevations of all excavated test holes*
- suitable house and well site
- locations of existing wells and septic within 100 feet of property boundaries
- streams/swales/springs and any other relevant landscape features
contour lines

*** Due to the limited amount of usable space in the newly perced area, it is essential that an accurate topography and perc hole location depiction be submitted before any decisions can be justified. The topography can greatly influence trench spacing and location. Have an engineer double-check the existing topography of record and change the interval of the contour lines from 5-foot segments to 2-foot segments on the submitted Percolation Certification Plan.**

If you have any questions regarding this matter, you may contact me at the address below or by calling (410) 313-2640.

Sincerely,

Brian Baker

Brian Baker - Sanitarian
Water and Sewerage Program

Enclosures

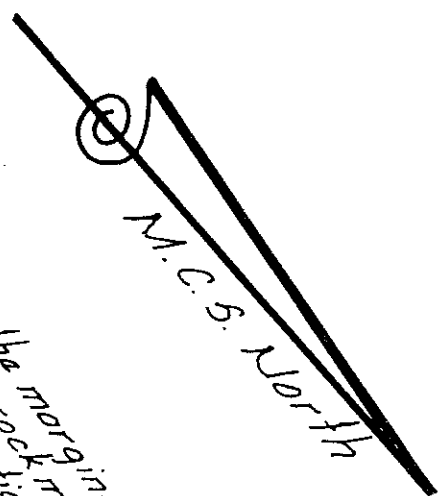
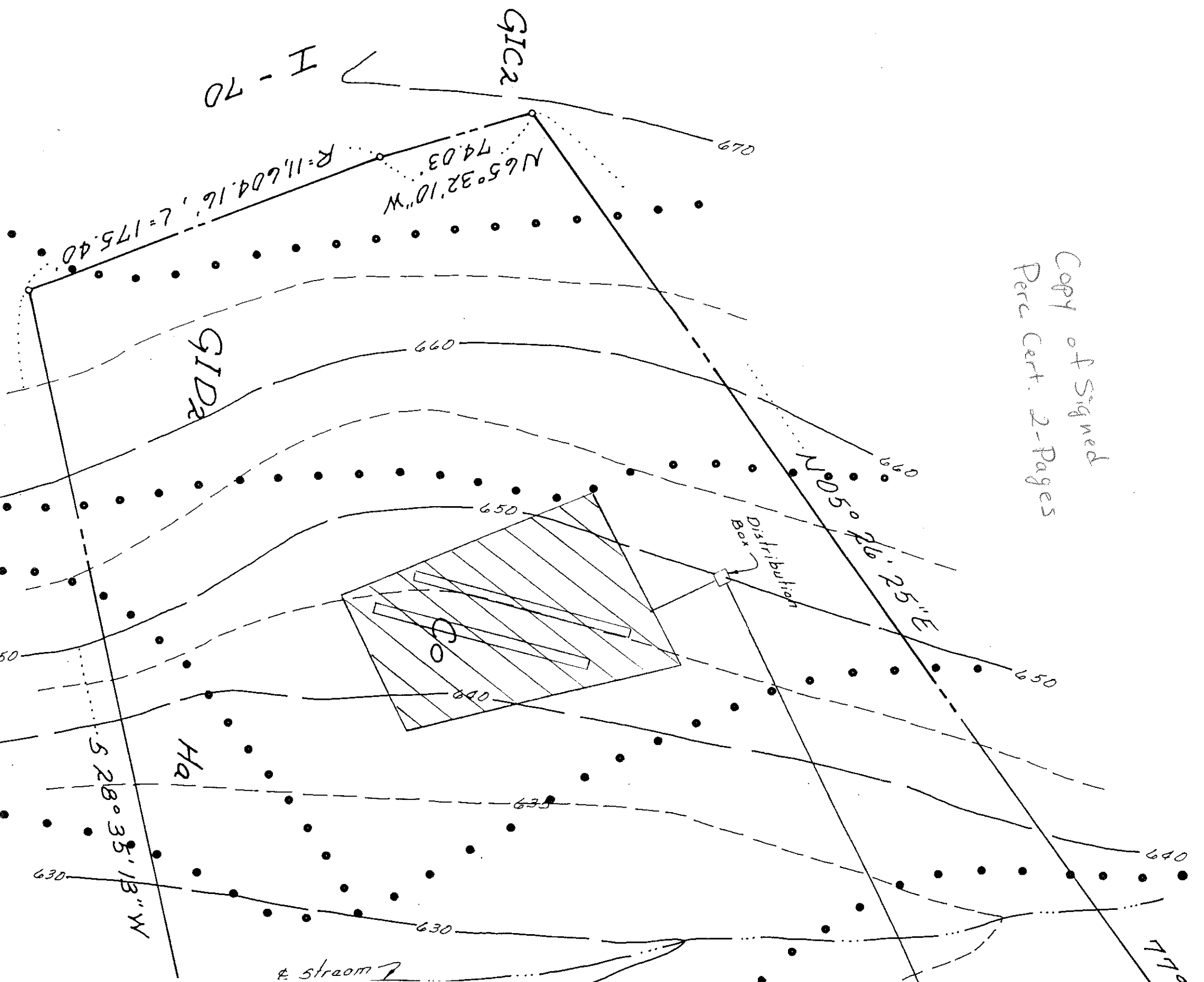
cc: File ✓

K&K Excavating

● Danofas Parc Hole Failed

The lot shown hereon complies with the minimum ownership width and lot area as required by the Maryland State Department of the Environment.

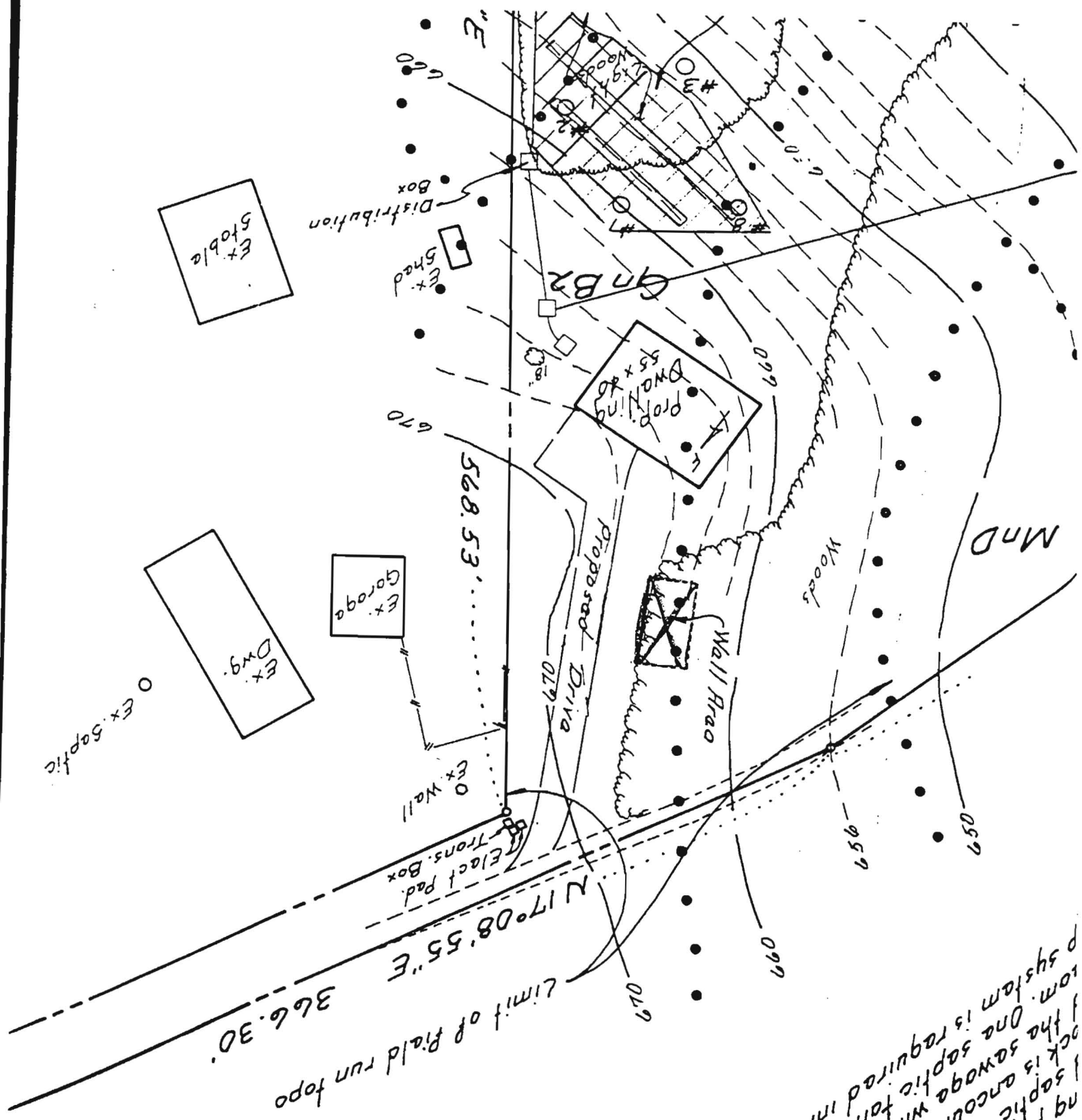
Copy of Signed
Peric Cert. 2-Pages



Due to the marginal
excessive soil pad
the gravity
the the tank
to pump future
for

Lot 3

640-



ng porcolation testing:
 1 septic asanant during
 1 septic tank and one
 1 the sawaga will be pumped
 1 the sawaga tank and one
 1 system is required initially or