

APPLICATION

PERCOLATION TESTING

A 516938

P _____

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

DISTRICT _____

DATE 4/19/02

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 _____

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. _____

ROAD AND DESCRIPTION Highland Road Near Triadelphia Mill Rd.

TAX MAP 34 PARCEL # 339 Block 2+3

SIZE OF LOT 5.22 Acres 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.

(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

Red and Or Br Loam

Beige Sa Loam
~10% Saprolite

Red Br Heavy Loam

Tan and White Sa Loams
~20% Saprolite

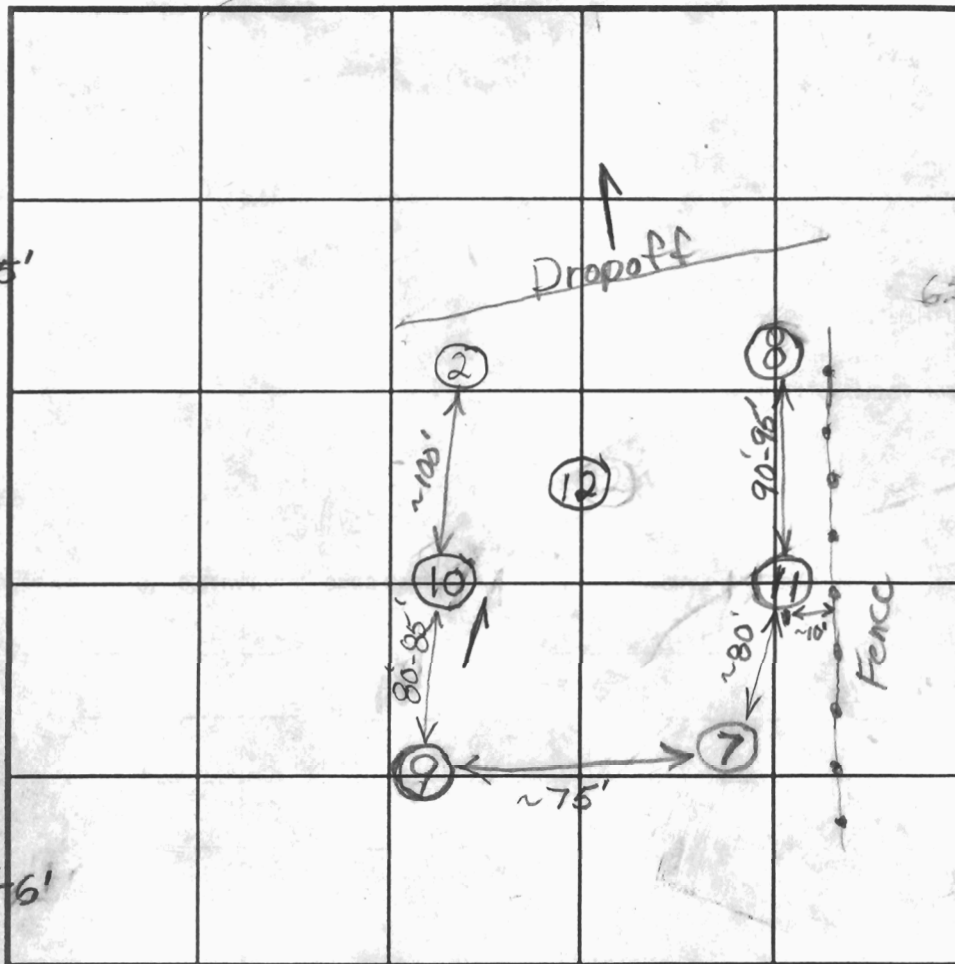
Red Br Heavy Loam
Vein of Quartz from 2.5' - 5.5' on South Side of Hole

Beige Sa Loam
~10% Saprolite

SOIL PROFILE

Red Br Heavy Loam

Beige Sa Loam
~10% Saprolite



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Highland Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7/1/02	9	7' / 14' v	10:35	10:37:30	10:37:30	10:43	5 1/2
		3.5'	10:39	10:41	10:41	10:44	3
	10	5.5' / 14' v	11:01	~5/8" in 20 minutes			Slow
	11	6.5' / 12.5' v	11:20	11:35	11:35	12:02	27
	10	6.5'	11:29:30	11:31	11:31	11:33:30	2 1/2
	12	6' 2" / 12' v	12:39:30	~3/16 inch in 10 minutes			Slow
	North	7'	12:59:30	1:03	1:03	1:11	8
		On South Side of Hole - Probably					
		Will Be Slow Until 7.5'					

6'-7' REMARKS _____

TYPE OF SOIL _____
 TESTED BY B. Baker ALSO PRESENT _____
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 15+ TRENCH WIDTH 3.0
 INLET DEPTH 5.0 MAXIMUM BOTTOM DEPTH 7.0 SQ. FT./BEDROOM 240

APPLICATION

PERCOLATION TESTING

A 516 938

P _____

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

DISTRICT _____

DATE 4/19/02

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 _____

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. _____

ROAD AND DESCRIPTION Highland Road Near Triadelphia Mill Rd.

TAX MAP 34 PARCEL # 339 Block 2+3

SIZE OF LOT 5.22 Acres 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

1:30
6/10/02

APPLICATION

PERCOLATION TESTING

A 516938

P _____

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

DISTRICT 3rd

DATE 4.19.02

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 Kim Gwan and Young Ae

ADDRESS 5226 PATRIOT LN, Columbia MD 21045, PHONE 410 730 1074

AGENT OR PROSPECTIVE BUYER Mildenberg Boender and Assoc.

ADDRESS 5072 Dorseyhall Dr. Ellicott City MD 21042, PHONE 410 997 0206

PROPERTY LOCATION: C. Inty DelZoppo Agent 443-250-6395

SUBDIVISION _____ LOT NO. _____

ROAD AND DESCRIPTION From Triadelphia onto Highland Second Parcel on the Right (Parcel 339)

TAX MAP 34 PARCEL # 339

SIZE OF LOT 5.22 Ac. 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.

[Signature]
(SIGNATURE OF APPLICANT) Samer Alamer

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' (6)

Red Br Loam

White and Beige Sa Loam

~30% Rock and Saprolite

Loam Moist Near Bottom of Hole with Calcium Deposits

(5)

Red Br SaCl Loam

White and Beige Sa Loam

~15% Rock

Mottling

Caving Water

(4)

Red and Or Br Heavy Loam

Light Br Sa Loam

~25% Rock

Pocket of ~50% Rock

4.5' - 5'

3.5'

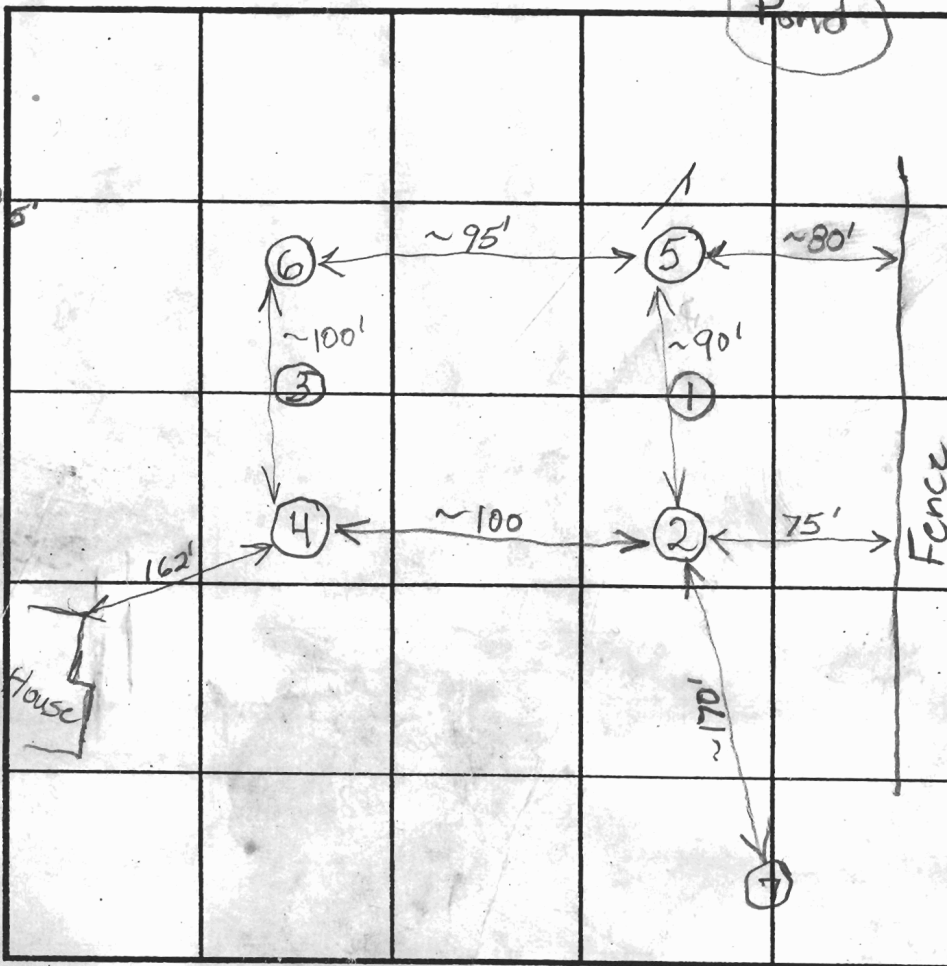
8'

11'

11.5'

4' - 4.5'

12'



SOIL PROFILE

0' (2)

Topsoil and Or Br Sa Cl Loam

Tan and Beige Sa Loam

A few pockets of ~25% Rock ~10% Rock Overall

4.5'

14.5'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Highland Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6/10/02	6	52" / 15.5'	1:25:30	~7/8 inch in 25 minutes			Slow (F)
	5	12' 4"		11.5 after 2 hours			(F)
	4	52" / 13'	1:59	2:04	2:04	2:19:30	15 1/2
	2	4' / 14.5'	2:01	2:11	2:11	2:30	19
	4	7'	2:28:30	?	?	2:31:40	~3 total
	Repair	7'	2:37:15	2:39:20	2:39:20	2:42:15	~3 OK

REMARKS 1 and 3 not dug

TYPE OF SOIL

TESTED BY B. Baker

ALSO PRESENT

PRELIMINARY

APPLICATION

A 19474

SEWAGE DISPOSAL TESTING

P _____

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P. O. BOX 476, ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 465-3000, EXT. 386

DISTRICT 5th

DATE 1/29/74

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Russell B. Zepp

ADDRESS Highland Road, Clarksville, Md PHONE 286-2797

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. #9

ROAD AND DESCRIPTION Highland - Macadam
Corner of Highland Road and Triadelphia Mill Road

SIZE OF LOT 6.000 Acres TYPE BLDG. 3 or 4 bedrooms
NUMBER OF BEDROOMS

IF NOT SINGLE RESIDENCE DESCRIBE _____

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE.

SIGNATURE OF APPLICANT _____

APPROVED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

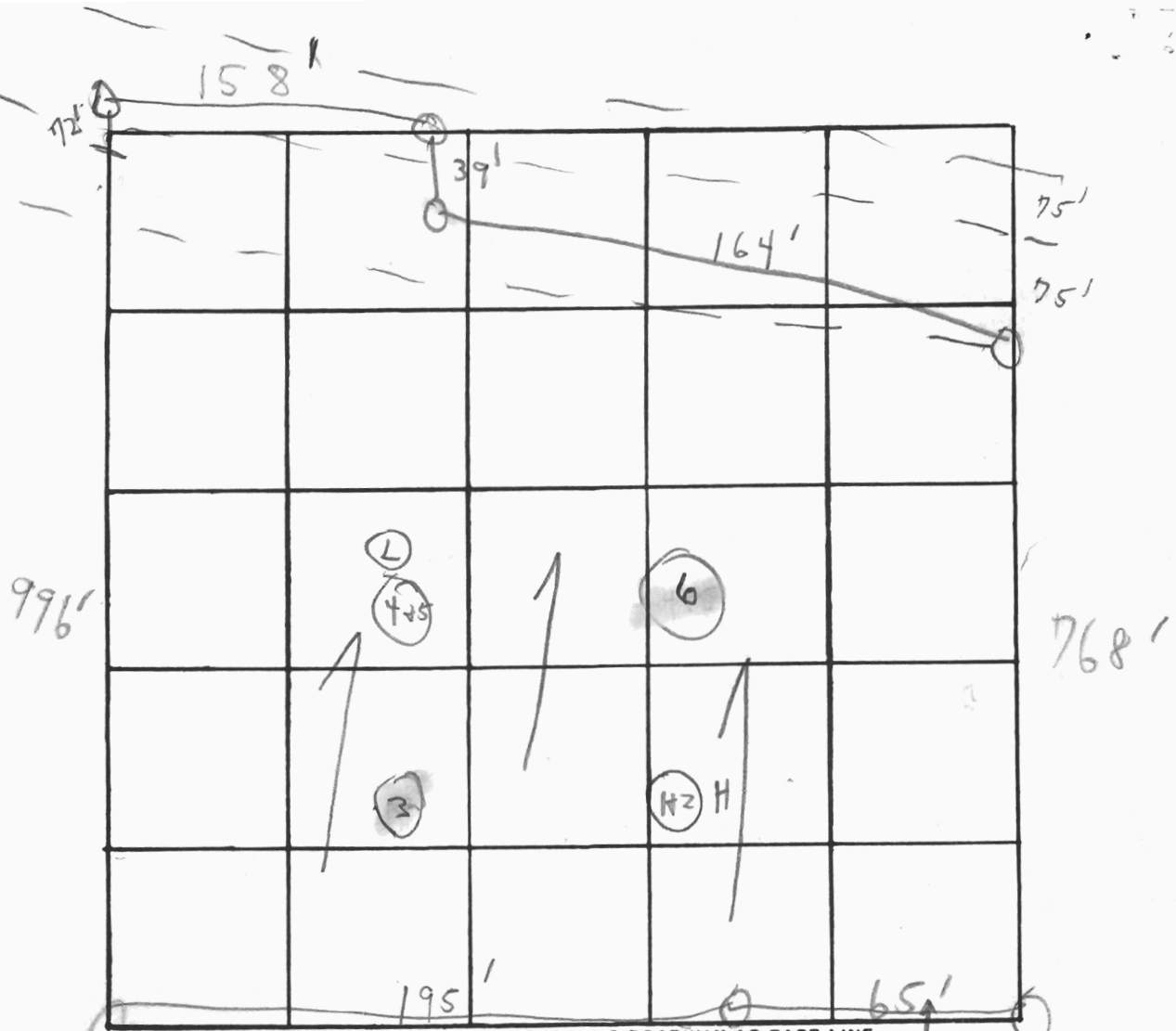
REJECTED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT

Baseline
height
of Way



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

Highland Rd lot #9

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
2/5/74	1	6'	12:18	12:20	12:20	12:23	3m
	2	12'	12:16	12:19	12:19	12:26	7m
	3	10 1/2'	Visual		similar to 142		
	4	5'	12:01	12:07	12:07	12:28	21m
Sandy	5	11 1/2'	12:01	12:07	12:07	12:29	20m
	6	9 1/2'	Visual		similar to 4+5		

5 min avg.

21 min avg

13 avg.

REMARKS Testing holes Sandy in low hole!!
 TYPE OF SOIL Loose, sandy (Use 142)

APPLICATION

A 19474

~~PRELIMINARY~~

SEWAGE DISPOSAL TESTING

P _____

2/5/74
9:30 A.M.

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P. O. BOX 476, ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 465-5000, EXT. 356

Septic Tank
3 bedrooms - 1000 gallon
4 bedrooms - 1250 gallon

DISTRICT 5th

DATE 1/29/74

Effective
absorption area
starts at 6'

Dry well to have 145 square feet effective absorption
sidewall area per bedroom below inlet. Inlet to be
4 feet below original grade and maximum depth 12 feet.
Location 250 feet from ^{front} left property line and 160 feet
from left property line when facing road lot
from Highland Rd.

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE
DISPOSAL SYSTEM.

PROPERTY OWNER Russell B. Zepp

ADDRESS Highland Road, Clarksville, Md PHONE 286-2797

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. #9

ROAD AND DESCRIPTION Highland - Macadam

Corner of Highland Road and Triadelphia Mill Road

SIZE OF LOT 6.000 Acres TYPE BLDG. 3 or 4 bedrooms
NUMBER OF BEDROOMS

IF NOT SINGLE RESIDENCE DESCRIBE _____

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC
FACILITIES BECOME AVAILABLE.

SIGNATURE OF APPLICANT Russell B. Zepp

APPROVED BY [Signature] FOR Dry Well DATE 3/22/74
(KIND OF SYSTEM)

REJECTED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING Needs certified holes - plat with holes
revised ok 2-13-74 WJG + CBS

THIS IS NOT A PERMIT

INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE

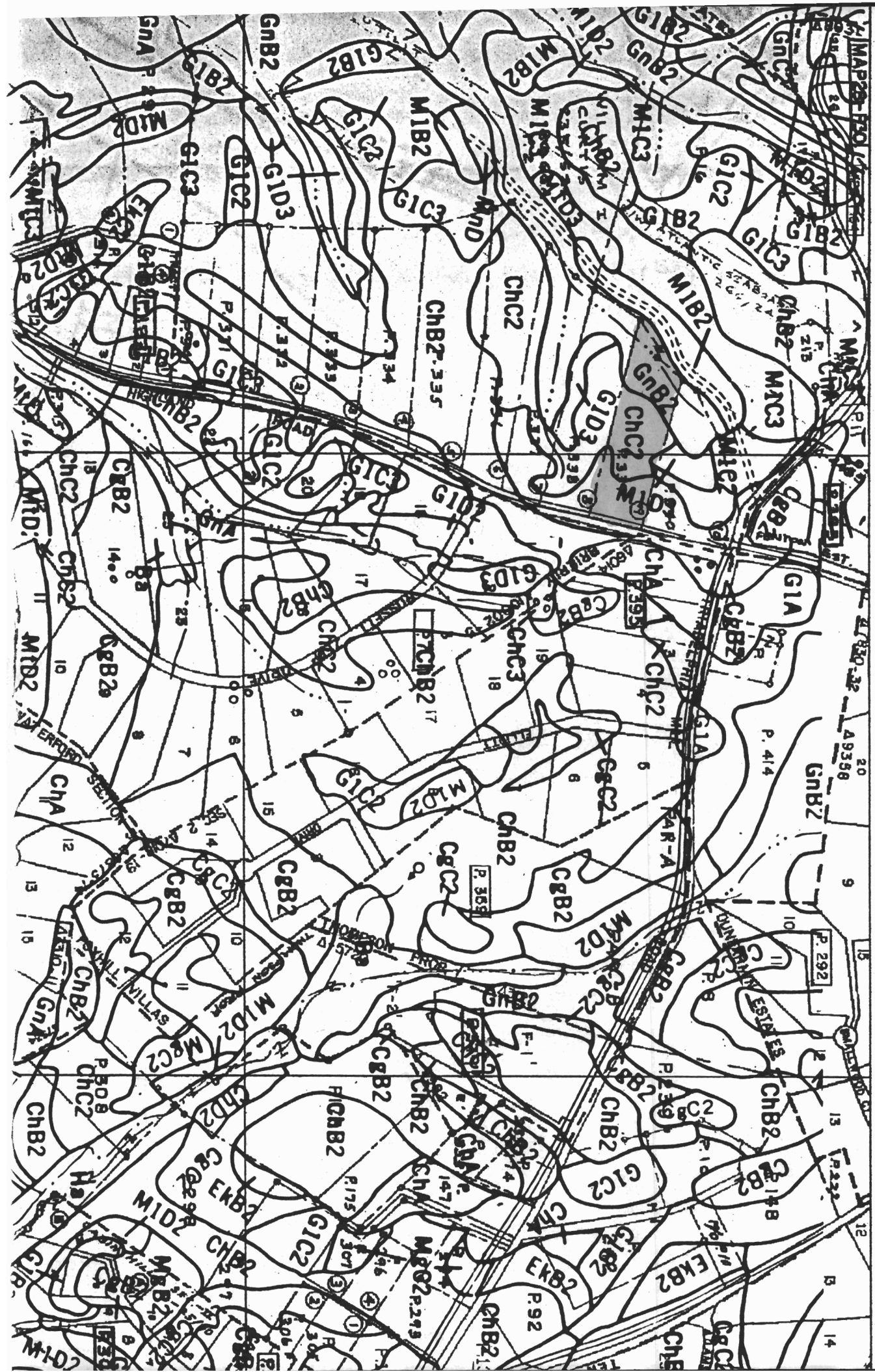
DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	

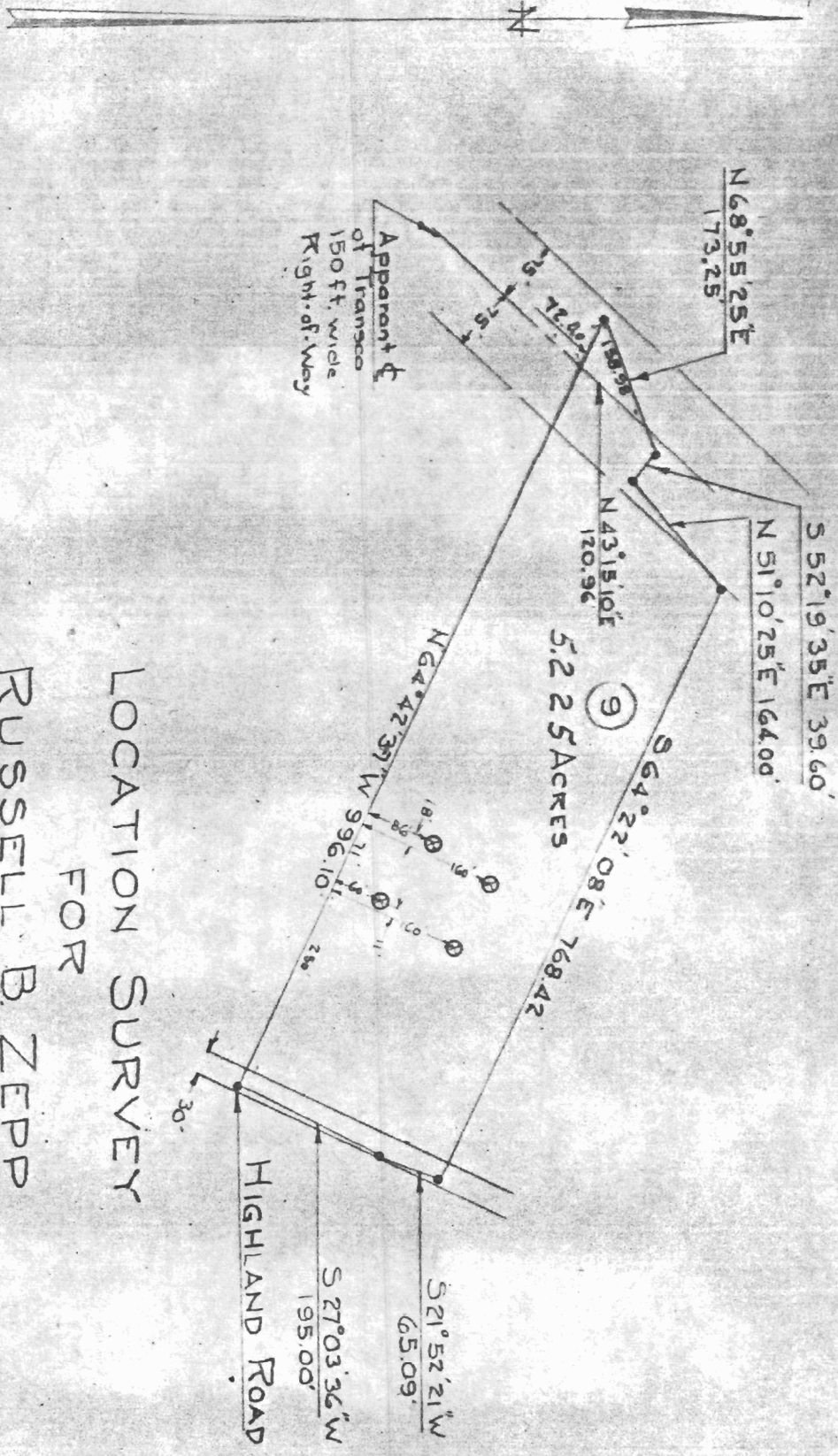
REMARKS _____

TYPE OF SOIL _____

1" = 600'

EDWARD





LOCATION SURVEY
 FOR
 RUSSELL B. ZEPP
 FIFTH ELECTION DISTRICT OF HOWARD COUNTY
 CLARKSVILLE, MARYLAND.
 SCALE: 1 IN. = 200 FT
 JANUARY 10, 1974

The actual perforation test location on this land: 2/6/74
 The lot shown hereon complies with the
 town ownership and lot area as required by
 Maryland State Health Department.
 and Private Water and Private Sewer

Russell B. Zepp
 Health Officer
 2/14/74



Done by [Signature]

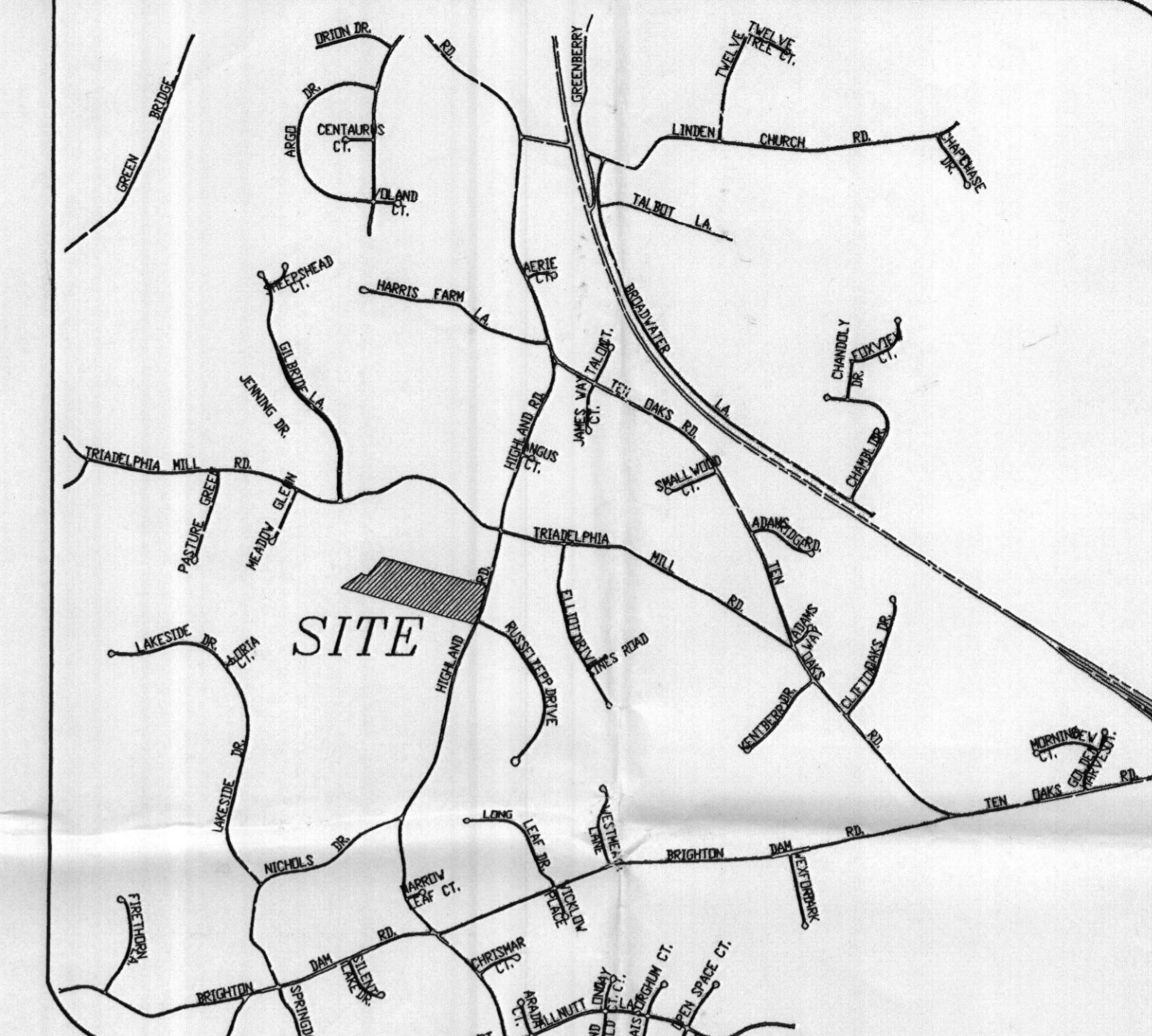
TAX MAP 34, PARCEL 338
13471 TRIADELPHIA MILL RD
CLARKSVILLE, 21029

TAX MAP 34, PARCEL 340
13315 HIGHLAND ROAD
CLARKSVILLE 21029

TAX MAP 34, PARCEL 339
HIGHLAND ROAD
CLARKSVILLE, 21029
AREA=5.22 AC

TAX MAP 34, PARCEL 338
13875 HIGHLAND ROAD
CLARKSVILLE 21029

TAX MAP 34, PARCEL 7, LOT 1
13801 N RUSSELL ZEPP DRIVE
CLARKSVILLE 21029



VICINITY MAP
SCALE: 1"=2000'

GENERAL NOTES:

- SUBJECT PROPERTY ZONED RR-DEO PER THE 10/18/93 COMPREHENSIVE ZONING PLAN.
- BOUNDARY SHOWN IS APPROXIMATE. IT IS BASED ON AVAILABLE DEEDS.
- SITE LOCATION:
TAX MAP 34, PARCEL 339
DEED REFERENCE: 698/336
SITE AREA: 5.22 ACRES ±
- ON SITE TOPOGRAPHY SHOWN HEREON IS BASED ON A HOWARD COUNTY 200 SCALE TOPO.
- ON SITE 2' TOPOGRAPHY SURROUNDING THE PROPOSED SEPTIC FIELDS SHOWN HEREON IS BASED ON A FIELD RUN SURVEY DONE BY MILDENBERG BOENDER AND ASSOCIATES ON OR ABOUT AUGUST 2002.
- SOILS DATA BASED ON HOWARD COUNTY SOIL SURVEY DATED 1968, SHEET 8.
- PRIVATE WATER & SEWERAGE WILL BE UTILIZED.
- THIS AREA DESIGNATES A PRIVATE SEWERAGE DISPOSAL AREA OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS SEPTIC DISPOSAL SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO MAKE ADJUSTMENT TO THE PRIVATE SEWERAGE DISPOSAL FIELDS.
- ALL SEPTIC SYSTEMS AND WELLS WITHIN 100' OF THE PROPERTY ARE SHOWN AND HAVE BEEN VERIFIED TO THE BEST OF OUR KNOWLEDGE.
- NO STEEP SLOPES EXIST ON SITE.

Soil Map Data is Slightly Off

SOILS:

CgB2	CHESTER GRAVELLY SILT LOAM, 3% TO 8% SLOPES, MODERATELY ERODED
GcC2	GLENELG SILT LOAM, 8% TO 15% SLOPES, MODERATELY ERODED
GnB2	GLENVILLE SILT LOAM, 3% TO 8% SLOPES, MODERATELY ERODED
MiB2	MANOR LOAM, 3% TO 8% SLOPES, MODERATELY ERODED
MiC2	MANOR LOAM, 8% TO 15% SLOPES, MODERATELY ERODED
MiD3	MANOR LOAM, 15% TO 25% SLOPES, SEVERELY ERODED.

LEGEND

- (W) PROPOSED WELL
- (W) APPROXIMATE LOCATION OF EXISTING WELL BASED ON AVAILABLE RECORDS
- (●) FIELD LOCATED PASSED PERC HOLE
- (●) FIELD LOCATED FAILED PERC HOLE

OWNER

KIM GWAN & YOUNG AE
5226 PATRIOT LN
COLUMBIA, MD 21045

PERC CERTIFICATION:

I CERTIFY THAT THE LOCATIONS SHOWN HEREON ARE BASED ON FIELD LOCATIONS DONE UNDER MY SUPERVISION, AND ARE CORRECT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE AND BELIEF.

[Signature]
JOHN B. MILDENBERG, L.S.
18

8/21/02
DATE

APPROVED:
FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT

[Signature] 8/27/02
HOWARD COUNTY HEALTH OFFICER DATE

project	02019	date	AUG. 2002
illustration	SAA	engineering	SAA
scale	1"=50'	approval	RJH

no.	description	date
	revisions	

KIM PROPERTY
TAX MAP 54, PARCEL 339
HOWARD COUNTY
ELECTION DISTRICT 3
PERC CERTIFICATION PLAT

MILDENBERG, BOENDER & ASSOC., INC.
Engineers Planners Surveyors
5092 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland, 21042
(410) 997-0296 Ext. (301) 621-5621 Wash. (410) 997-0298 Fax