

3/22/01
Travis
10:00

APPLICATION

PERCOLATION TESTING

A 514970

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

3/8/01 Purpose
Ex lot of record w/
ex house to be
demolished &
replaced w/ new
house, well & septic.
All

P _____
DISTRICT _____
DATE 3/8/2001

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 ESTATE OF Katie S. Dorsey Miles

John H Ditto Jr. Pers. Rep.
ADDRESS 55 Sterrett Place Suite 200 PHONE 410-997-2500
Columbia MD 21044

AGENT OR PROSPECTIVE BUYER Merle Miles & Treva Miles, w/f.

ADDRESS 2427 Millers Mill Rd. PHONE 410-489-7678
Cooksville MD 21723

PROPERTY LOCATION:

SUBDIVISION Miles Property LOT NO. _____

ROAD AND DESCRIPTION 4.9815 A± + 1.9375 A±
2427 Millers Mill Rd.

TAX MAP 14 PARCEL # p/o parcel 30

SIZE OF LOT 4.9815 Acres + 1.9375 Acres TYPE BLDG. Dwellings
(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.

Jura E. Miles
(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

A514970

Miles Property N/S Miles Mill Rd (2427 H.M. Rd) 4th house w/ Route 97

COUNTY #

SOIL PROFILE 1

0' black loam
 2 1/2' yel brn CL-SCL
 2' yel brn CL
 EC 3 p brn Mottl (2.5% 6/1-7/1)
 1 m-c s bk
 3 1/2' yel brn Mottl
 m 3 p brn (7.5% 4/6)
 + m 2 l brn Mottl
 prismatic structure
 5 1/2' Mix light Tan
 + gray brn (Laminar)
 PSL Separable
 (moist) EC 1 p brn
 Mottl
 6 1/2' white fclgy sand
 P 2 l yel cream
 Mottl
 8 1/2' some SL granule
 10' water @ bottom

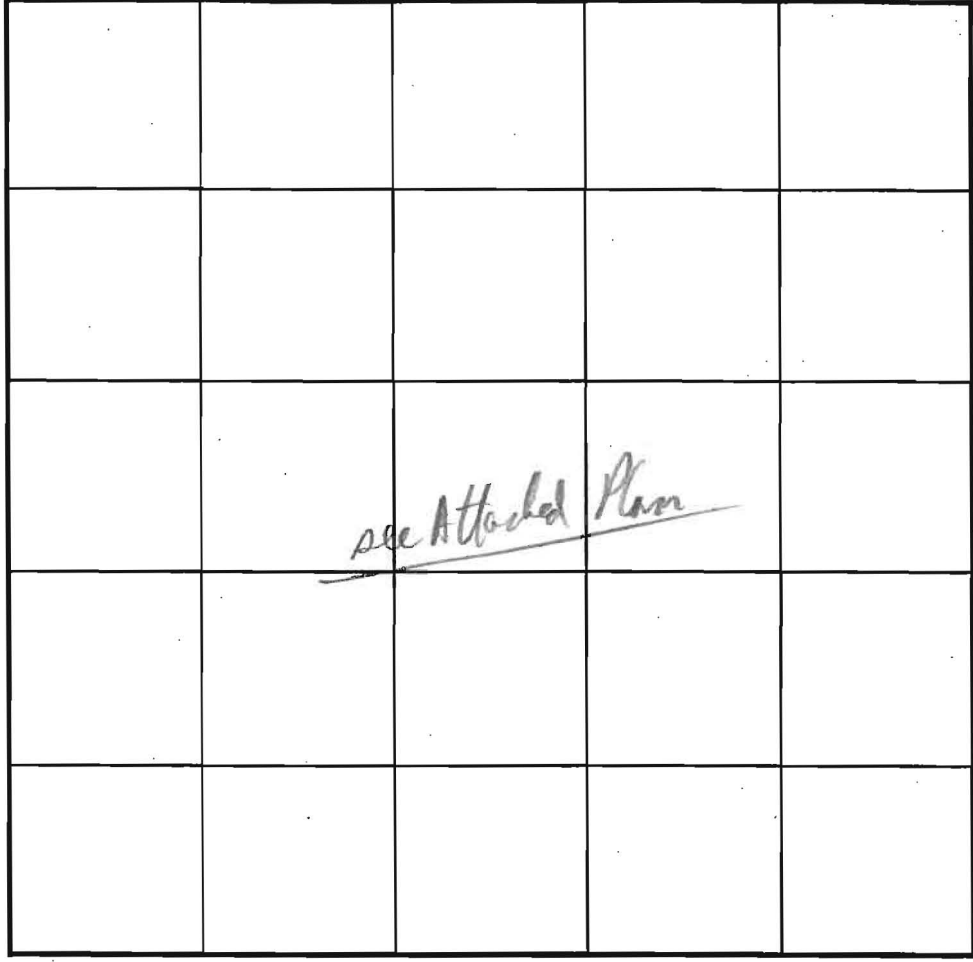
6, 3, 3

8' dark brn SL
 str brn-bk brn
 SCL (2F-m 5/4)
 2 1/2' yel-bly, golden yel
 + cream color
 (mixed + laminar)
 SL (separable)
 Moist

8-9' Mid Mix Glen
 Overall Mid yel brn
 - divided brn
 SL
 Separable
 (V. Moist)
 12' No water seen

2

10" v. dark brn L
 Str brn CL
 (2F 5bk)
 3 1/2' Mid Tan SL
 EC 3 p gray Tan
 + c 1 p brn
 1 c 5 bk - fissure
 dense (Moist)
 4 1/2' Mix color SL
 (Moist)
 5' Mid brn E
 c 1 d gray Mottl
 c 1 d red brn Mottl
 5 2 d old Mottl
 v. Moist
 9-10' Mix SL (very
 fine glom as plane
 but c 2-3 p in contact)
 v. Moist - wet
 water seep @ 10'



see Attached Plan

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE 4

0' Topsoil
 4-6" Str brn SCL-CL
 (2F 5bk)
 3' yel brn L-SCL
 c 2 d old Mottl (m-cdk?)
 F 1 p red brn Mottl
 c 2 d Tan gray Mottl
 4' m 3 p brn (7.5% 4/6)
 mix c 1 d brn (m 3 p) Mottl
 v. Mid brn Mottl
 loose h SL-SL prismatic
 5 1/2' Mid brn SL
 c 2 F red brn
 c 2 F gray Tan Mottl
 v. Moist (Moist)
 8' var. Neutral brn
 SL (Moist)
 E P 1 p gray, F 1 p yel
 F 1 p red brn, c 2 d gray
 Mottl (10% 6/10)
 v. Moist - wet
 12' water seepage @ 9 1/2 ± 6"
 water level @ 10'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
4/4/01	①	v 10 1/2	No Test	Grey Mottled CL @ 2-5 1/2				(Fail)
	3	v 1/2	8 1/2	10:05:00	10:15:00	10:15	10:30:00	15 min OK
		No Water	4 1/2	10:05:20	10:11:30	10:11:30	10:21:30	10 min OK
	②	v 1 1/2	4	10:23:00	10:57	pulled still on bed of top soil		(Fail)
								water level @ 11', water seepage @ 10'
	5	v 12	4 1/2	10:33:00	10:40:30	10:40:30	10:53:00	13 min OK
		No Water	8	10:46:30	10:49:00	10:49:00	10:56:00	7 min OK
	6	v 1 1/2	4 1/2	11:16	11:19:30		11:29:00	10 min OK
				11:20:00	Missed		11:28:30	4 min
	④	v 12						water seepage @ 9 1/2 - 10 ft (wet @ 8 1/2) v. gray Mottled L + bk (Fail)

REMARKS property has No Well or Septic at the Moment, Existing House Has No Basement (Plans to be demolished)

TYPE OF SOIL 6 Newville, Chester - estimate 7-10,000 sq ft @ House Based, Est. 4 1/2 - 5000 sq ft @ House Standing

TESTED BY R/P Pinsky ALSO PRESENT Harmon Zwick, Merle Miles

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 10 mpi TRENCH WIDTH 2' or 3'

INLET DEPTH 2 1/2' MAXIMUM BOTTOM DEPTH 5 1/2' SQ. FT./BEDROOM 210

BP&P

PLANNING • SUBDIVISION AND SITE DESIGN • SURVEYING

475 GOLDENROD TERRACE SUITE 103 • WESTMINSTER, MD 21157 • (410) 876-0333 • (410) 857-9030

TO: HOWARD COUNTY DATE: 10/1/01
ENVIRONMENTAL HEALTH SUBJECT: MILES PROPERTY
3525 H. ELICOTT MILLS DR. MILLERS MILL RD.
ELICOTT CITY MD. 21043

ATTENTION: RON PINKLEY JOB NUMBER: 0 - 001 - 278

WE ARE SENDING YOU THE FOLLOWING ITEMS:

- ATTACHED ENCLOSED UNDER SEPARATE COVER
 PRINTS SECOND ORIGINALS ORIGINALS COPIES

NO.	DESCRIPTION
4	PERC TEST CERTIFICATION PLAN
	<i>Needs ① Ho. Signature Block</i>
	<i>② standard SDA language Easement Statute in Gen Nots</i>
	<i>③ minor change to SDA (to stay away from off lot same)</i>
	<i>10/1/01</i>

- FOR APPROVAL FOR REVIEW AND COMMENT FOR YOUR INFORMATION
 FOR YOUR USE FOR PROCESSING RETURN TO THIS OFFICE
 AS REQUESTED FOR SIGNATURE _____

REMARKS PER YOUR REQUEST, THE PROPOSED
WELL HAS BEEN STAKED IN THE FIELD.

Dellie Bankert
SIGNATURE OF SENDER

A514970
COUNTY #

Miles Property N/S Milburn Hill Rd (2427 H.M. Rd) 4th house w/ Route 99

SOIL PROFILE

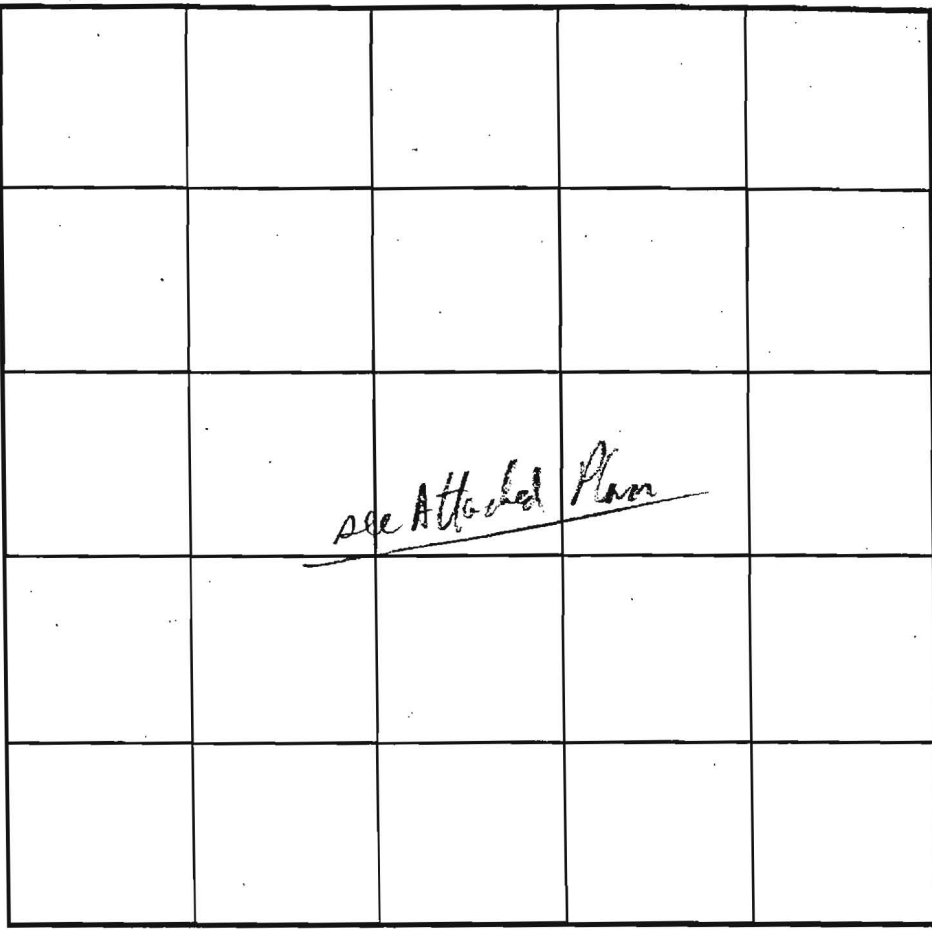
0' Black loam
2-4' Yel Brn CL-SCL
2' Yel Brn CL
E 3 p clay Mottled
(2.5 yd 6/1-7/1)
1 m.c.sbk
3 1/2' Yel Brn Mottled
m 3p clay (2.5 yd 6/1-7/1)
m 2d blk mottled
pore water structure
5 1/2' Mix light tan
+ gray Brn (Laminar)
FSL Saprotic
(Coast) E.C.I. p clay
Mottled
8 1/2' White feldspar sand
F 2d yel-cream
Mottled
same SL Spindle
E.A. S-P
1 1/2' water @ bottom

6, 5, 3

8' Str Brn Mottled
SCL (2d m.c.sbk)
Moist
2 1/2' Yel body, bold, light
+ cream color
(Mixed + laminar)
SL (Saprotic)
Moist
8-9' Mid Mix Green
Coarse Mottled
- olive drab Brn
SL
Saprotic
(V. Moist)
12' No water seen

2

10' v. dark Brn L
Str Brn CL
(2F sbk)
3 1/2' Mid Tan SL
E 3 F gray Tan
and E 1 F Brn
1 c.sbk - fissure
dense (Moist)
4 1/2' Mix olive SL
(Moist)
Mid Brn E
c/d gray mottled
c/d red brown mottled
5 2d blk mottled
v. Moist
9-10' Mix SL (very
moist)
same color as above
but c 2-3 p in contact
v. Moist - wet
water seepage @ 10'



SOIL PROFILE 4

0' Topsoil
4-6' Str Brn SCL-CL
(Saprotic)
3' Yel Brn L-SCL
c 2d blk mottled (1m-csbk?)
E 1 F red Brn Mottled
c 2d Tan gray Mottled
4' m 3p clay (2.5 yd 6/1-7/1)
Mix E Brn (m 3p) Mottled
v. Mid Brn Mottled
dense LSL-SL
5 1/2' Mid Brn SL
c 2 F red Brn
c 2 F gray + Tan Mottled
v. Moist (Moist)
8' v. v. Moist Brn
SL (Moist)
E 1 F gray f. f. yellow
F 1 F red Brn, c 2d gray
Mottled
v. Moist - wet
12' water seepage @ 9 1/2' + 6"
water level @ 10'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
4/4/01	①	v 10 1/2	No Test	6 in. mottled CL @ 2-5 1/2	water @ bottom	Saturated	Soil + casing @ 8'	Fail
	3	v 12	8 1/2	10:05:00	10:15:00	10:15	10:30:00	15 min OK
			4 1/2	10:05:20	10:11:30	10:11:30	10:21:30	10 min
	②	v 11 1/2	4	10:23:00	10:52	pulled still on base of Top Nail		Fail
						water level @ 11', water seepage @ 10'		
	5	v 12	4 1/2	10:33:00	10:40:30	10:40:30	10:53:00	13 min OK
			8	10:46:30	10:49:00	10:49:00	10:56:00	7 min
	6	v 11 1/2	4 1/2	11:16	11:19:30		11:29:00	10 min OK
				11:20:00	missed		11:28:30	4 min
	④	v 12				water seepage @ 9 1/2' - 10' (wet @ 8 1/2')	v. gray mottled @ 4' - 4 1/2'	Fail

REMARKS property has No Well or Septic at this moment. Existing House Has No Basement (Plans to be demolished)
 TYPE OF SOIL 6 Geneville, Chester - estimate 7-10,000 yd of Ethane bonded, Est. 4 1/2 - 5000 sq ft of House Standing
 TESTED BY R.P. Pugh ALSO PRESENT Herman Zick Merle Miles
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 10 mpi TRENCH WIDTH 2 or 3'
 INLET DEPTH 2 1/2' MAXIMUM BOTTOM DEPTH 5 1/2' SQ. FT./BEDROOM 210



HOWARD COUNTY HEALTH DEPARTMENT

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

April 11, 2001

Mr. and Mrs. Merle Miles
2427 Millers Mill Road
Cooksville, MD 21723

RE: Percolation Test Results
Application # (S) 514970
Proposed Use: Recorded Lot

Property ID: Miles Property
2427 Millers Mill Rd.
Tax Map 14 P/o Parcel 30

Dear Mr. and Mrs. Miles:

Percolation testing conducted April 4, 2001, on the above referenced property indicated limited satisfactory soil conditions. Limiting conditions were seasonally high water tables and soil colors and structures characteristic of perched and seasonally high water tables well above the observed water tables on this date. Slow percolation rates were also observed where tested in mottled soil horizons.

Copies of the percolation test results are enclosed. Although the sewage disposal easement normally should be a minimum of 10,000 sqft in area, in this case room enough for one initial and one replacement septic system would be sufficient as it is classified as a lot of record. The existing house and 20 ft. buffer may be included in the larger SDA design if the intent is to remove the existing house and replace it with one situated elsewhere.

Further review is contingent upon submission by a registered surveyor of a percolation certification plat showing actual locations and elevations of all excavated test holes and a suitable proposed house and well site. The plat should also include the location of all existing wells and septic systems on the property as well as the location of any other relevant features such as streams, swales, or existing structures. A note must be included certifying that all wells and septic systems within 100' of property boundaries have been shown.

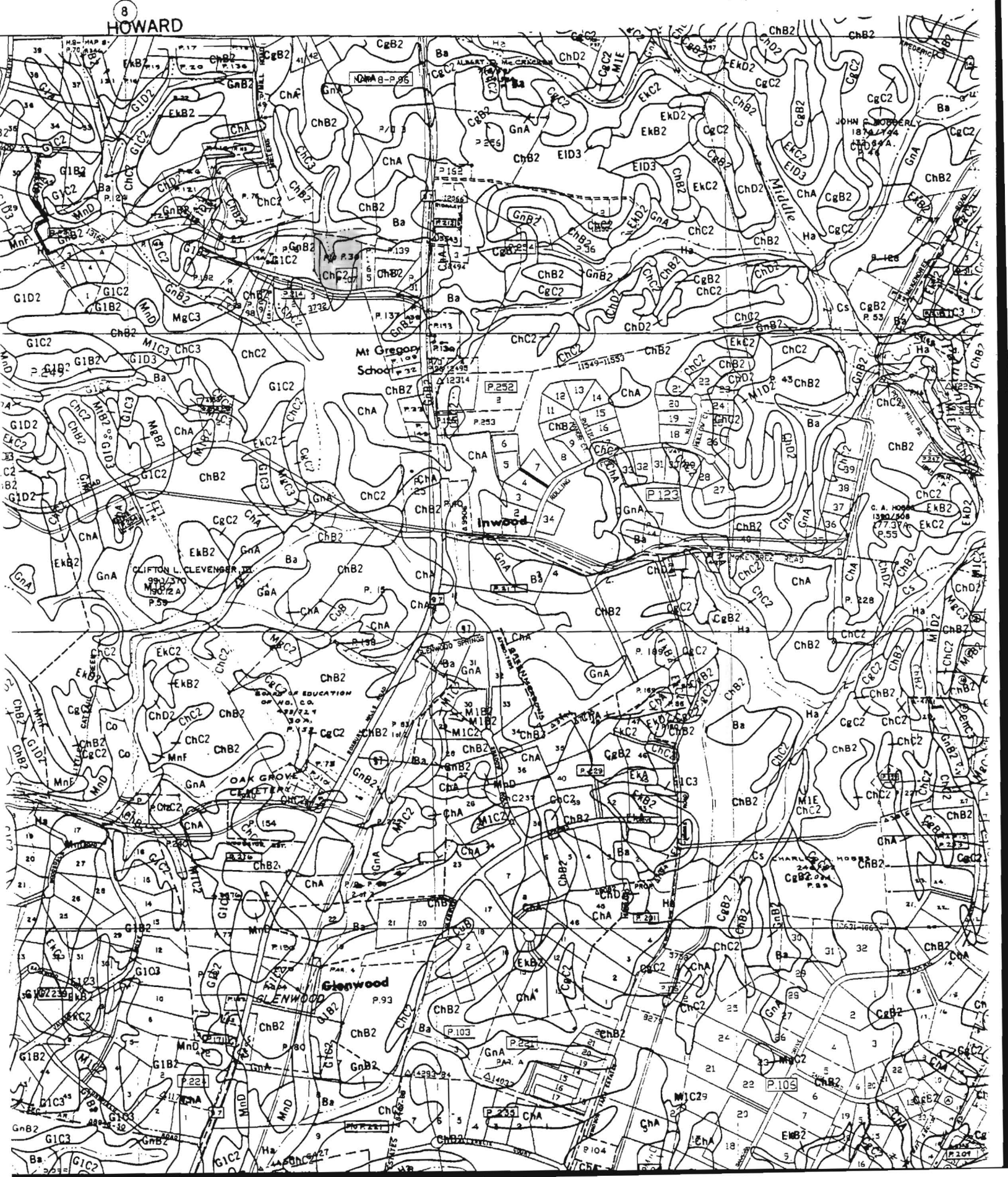
This should be submitted within sixty (60) days to allow field verification if necessary. If you have any questions regarding this matter, please feel free to contact me at the above address or by calling 313-2640.

Very truly yours,

Ronald J. Pinkley, R.S.
Water and Sewerage Program

RJP/mlb
cc: File

8
HOWARD





HOWARD COUNTY HEALTH DEPARTMENT

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

March 9, 2001

Mr. and Mrs. Merle Miles
2427 Millers Mill Road
Cooksville, Maryland 21723

RE: **Percolation Test Date**

Application: A514970
Proposal: Establish septic reserve area to serve recorded lot
Property ID: Miles Property
Millers Mill Road
Tax Map: 14 P/O Parcel #30

Dear Mr. and Mrs. Miles:

Percolation testing has been tentatively scheduled for the above referenced property for ^{Wed} ~~Thursday~~, ^{4/10/01} ~~March 22, 2001~~ at 10:00 a.m. Please call this office at (410) 313-2640 to confirm your acceptance of this percolation test date.

You shall be responsible for having a contractor on site to excavate the percolation test holes (**to a minimum depth of 14 feet**) as proposed and as required by the Health Department representative at the time of testing.

In the event of uncertain weather (i.e., precipitation or extremes of temperature), please contact this office prior to 9:00 a.m. on the test date to determine whether or not percolation testing can be performed on that date. If it is not feasible to perform the test, a new test date shall be assigned.

Percolation test results may be expected by mail two to three weeks after the completion of the percolation testing. Thank you in advance for your cooperation in this matter.

Sincerely,

Donna K. Clark, R.S.
Water and Sewerage Program

DKC
cc: file

TM 14
G&A
P10 P 30

ChB2

IRON PIPE FOUND

S 72° 50' 09" E

338.25'

S 61° 22' 49" E

P/O 4th line 303/487

200.39'

ChC2

PARCEL ONE
AREA: 4.9815 ACRES
PART OF LIBER 303, FOLIO 487

Estimate of
Maximum usable
Septic Area

Exist. Frame
Dwelling

ChB2

REBAR AND
CAP SET

REBAR AND CAP
SET

N 81° 10' 04" W

217.80'

N 13° 22' 53" W

7th Line 303/487

206.25'

REBAR AND CAP
SET

200.00'

4th line 315/455

N/F
MILES
L. 315, F. 455

200.00'

2nd line 315/455

REBAR AND
CAP SET

Exist. Driveway

BGE Pole
115493

P/O closing line 303/487

137.04'
N 81° 10' 04" W

MILLERS

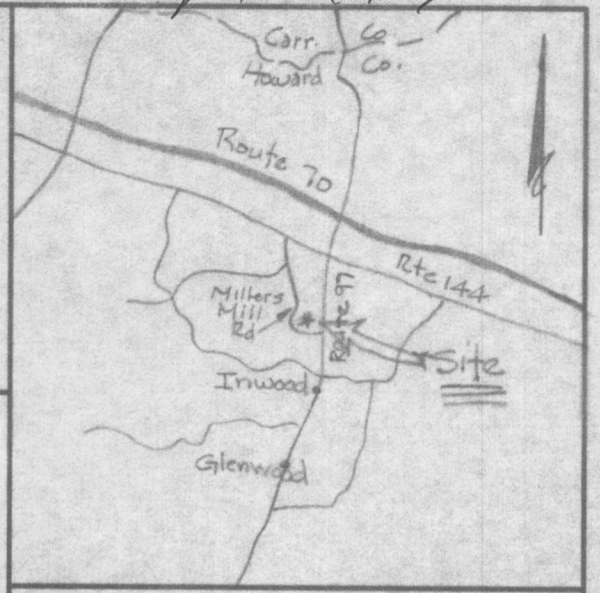
ING POINT
LINE L. 303, F. 487

BGE Pole
175494

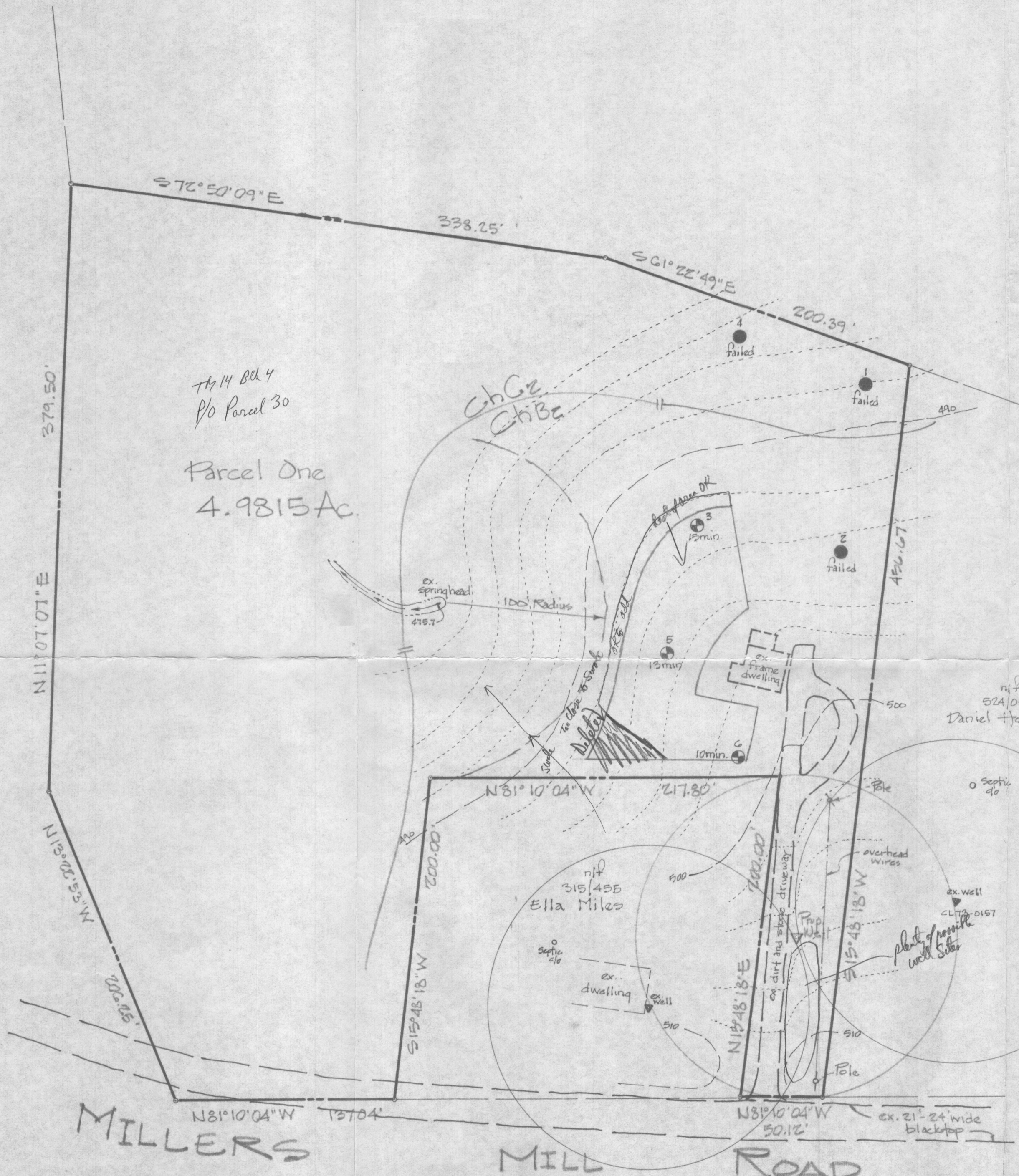
Exist. 21'-24' Blacktop Paving

50.12'
N 81° 10' 04" W





VICINITY MAP
SCALE: 1" = 1 mi.
COPYRIGHT ADC THE MAP PEOPLE
PERMITTED USE # 21096447



Twp 14 Bnd 4
P/O Parcel 30

Parcel One
4.9815 Ac.

General Notes:

- 1) The property shown hereon is owned by Ernest S & Katie S. Miles by deed dated June 26, 1957 and recorded in Liber 303 Folio 487.
- 2) The topography shown was field run by BPR Inc., 09/2001
- 3) Standard declaration of Sewage Disposal Easement language

- ① Needs minor adjustment to SDA - (as shown on this Plan)
 - ② Needs H.O., Signature Block
 - ③ Needs Standard SDA language statement in Gen. Notes
- rest of Plan is O.K.
APP 11/12/01

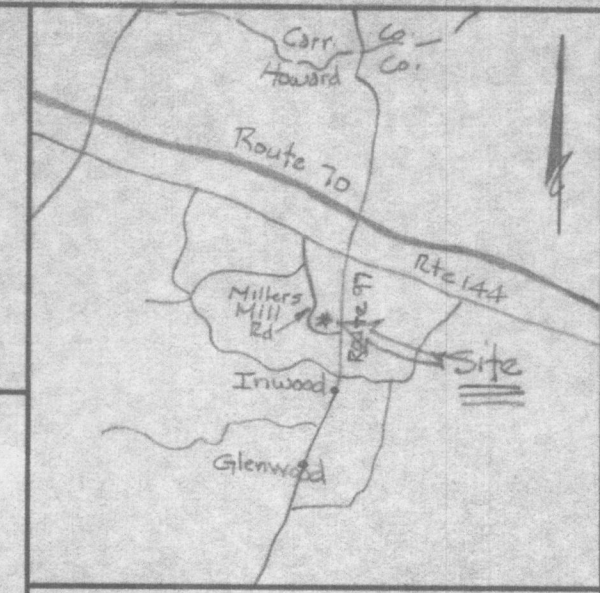
Percolation Test Certification Plan of
Parcel One of
Katie S. Miles (deceased) Property
#2427 Millers Mill Road
#1 election district Howard County, Md

This is to certify that the percolation tests have been field located and are accurately shown on the plan.

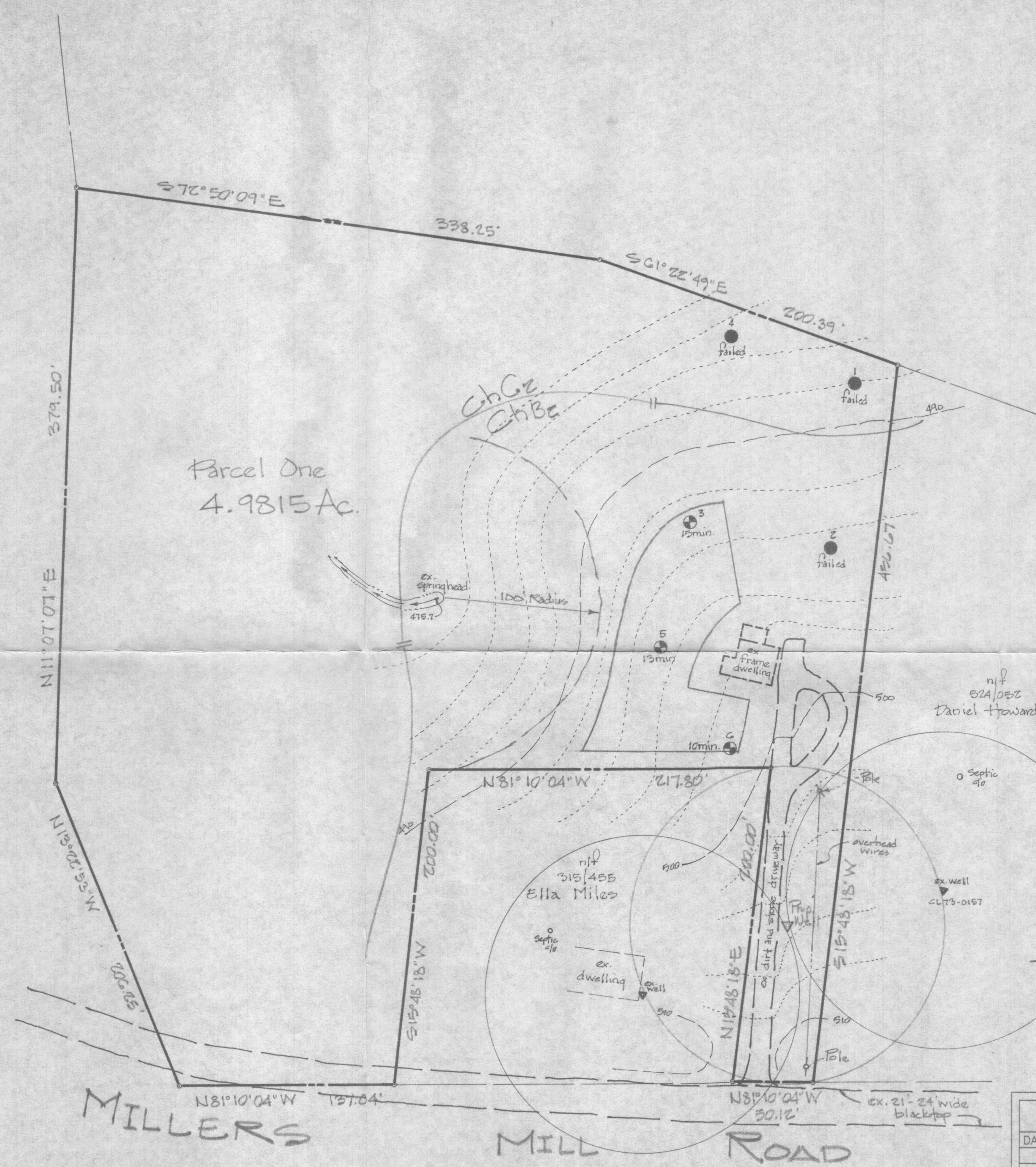
Stephen C. Bunkat R.P.S. #168 9/28/01

Owner:
Merhi & Teresa Miles
2427 Millers Mill Road
Cooksville, Md. 21723

BPR, INC.		
DATE	REVISIONS	BY
SURVEYED BY		
COMPUTED BY		
DRAWN BY		
CHECKED BY		
DRAWING NO. 00-001-278		
LAND PLANNING - SURVEYORS 475 GOLDENROD TERRACE WESTMINSTER, MD. 21157 (410)857-9030 * (410)876-0333 FAX (410)876-1532		
DATE: Sept. 24, 2001 SCALE: 1" = 50'		



VICINITY MAP
 SCALE: 1" = 1 mi.
 COPYRIGHT ADC THE MAP PEOPLE
 PERMITTED USE # 21096447



General Notes:

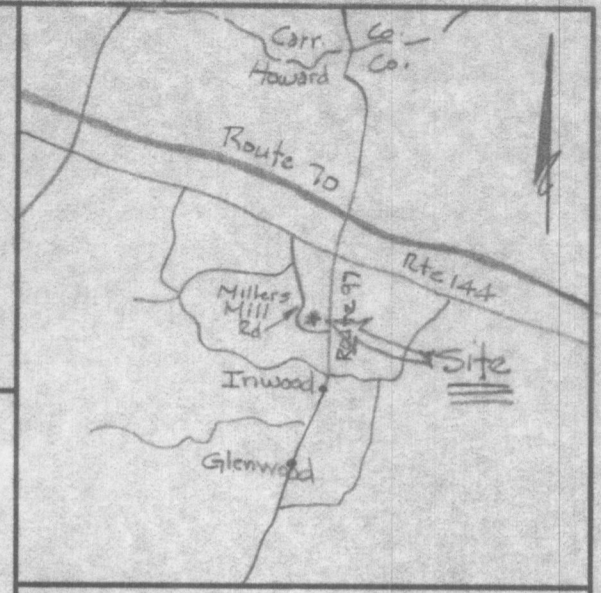
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 Parcel One of
 Katie S. Miles (deceased) Property
 #2427 Millers Mill Road
 #election district Howard County, Md

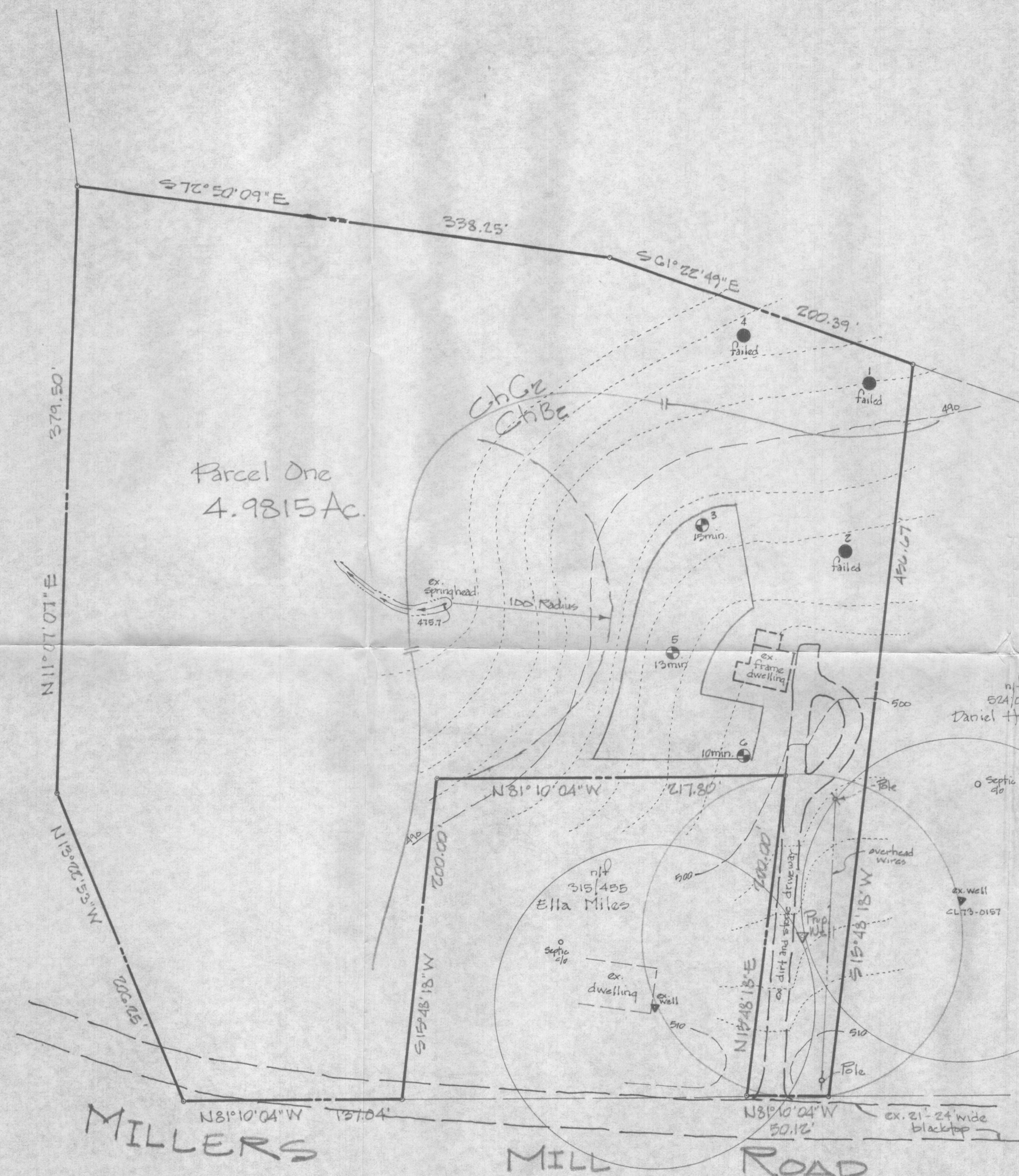
This is to certify that the percolation tests have been field located and are accurately shown on the plan.
 Stephen C. Bunkert R.P.S.#168 9/28/01

Owner:
 Merhi & Teresa Miles
 2427 Millers Mill Road
 Cooksville, Md. 21723

BPR, INC.		
DATE	REVISIONS	BY
LAND PLANNING - SURVEYORS 475 GOLDENROD TERRACE WESTMINSTER, MD. 21157 (410)857-9030 * (410)876-0333 FAX (410)876-1532		
SURVEYED BY COMPUTED BY DRAWN BY CHECKED BY DRAWING NO. 00-001-278		DATE: Sept. 24, 2001 SCALE: 1" = 50'



VICINITY MAP SCALE: 1" = 1 mi.
 COPYRIGHT ADC THE MAP PEOPLE
 PERMITTED USE # 21096447



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- 2.) The topography shown was field run by BPR Inc, 09/2001

Percolation Test Certification Plan of
 Parcel One of
 Katie S. Miles (deceased) Property
 #2427 Millers Mill Road
 #election district Howard County, Md

This is to certify that the percolation tests have been field located and are accurately shown on the plan.

Steph. C. Bankart R.P.S. #168 9/28/01

Owner:
 Marh & Teresa Miles
 2427 Millers Mill Road
 Cooksville, Md. 21723

BPR, INC.		
DATE	REVISIONS	BY
LAND PLANNING - SURVEYORS 475 GOLDENROD TERRACE WESTMINSTER, MD. 21157 (410)857-9030 * (410)876-0333 FAX (410)876-1532		
SURVEYED BY COMPUTED BY DRAWN BY CHECKED BY DRAWING NO.		DATE: <u>Sept. 24, 2001</u> SCALE: 1" = 50'
00-001-273		