

5/2/00
281.00

INDEXED

PERMIT
SEWAGE DISPOSAL SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
410-313-2640

P 513571

A 511085

ISSUE DATE 5/1/2000

APPROVAL DATE 5/4/00

04-338464

Fogle's Septic Clean, Inc. IS PERMITTED TO INSTALL X ALTER

ADDRESS 580 Obrecht Road, Sykesville, MD 21784 PHONE 410-795-5670

SUBDIVISION Ritz Estates LOT NUMBER 1-A ADDRESS 879 Beetz Road

PROPERTY OWNER Arthur & Seil Lyons PROPERTY OWNER'S ADDRESS 15930 A.E. Mullinix Road

SEPTIC TANK CAPACITY 1000 each GALLONS Woodbine, MD 21797

PUMP CHAMBER CAPACITY _____ GALLONS ** Two 1000 Gallon tanks in series required. Compartmented suggested ***

NUMBER OF BEDROOMS 3

SQUARE FEET PER BEDROOM 210 ***"AT GRADE TRENCHES" WILL NEED ADDITIONAL COVER AFTER INSTALLATION. **

LINEAR FEET OF TRENCH REQUIRED 210

TRENCHES: Trenches to be 3 feet wide. Inlet 6" below original grade. Bottom maximum depth 2.5 feet below original grade. 2 feet of stone below distribution box.

LOCATION: _____

Place the septic tanks as high in the designated septic area as practical from the existing house plumbing. (Approximately on the 685' contour interval) Run trenches along contour the full length of the available septic area. Preschedule tank installation to Health Dept availability in order to review trench layout plans prior to installation.

PLANS APPROVED Craig Williams DATE 3/6/2000

PERMIT VOID AFTER 2 YEARS

NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS

NOTE: TOP OF SEPTIC TANKS ARE TO BE NO DEEPER THAN 3.0 FEET BELOW FINISH GRADE

NOTE: WATERTIGHT SEPTIC TANKS REQUIRED

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS, 90° ELBOWS ARE NOT ACCEPTABLE

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX, DRAINFIELDS) TO BE 100 FEET FROM ANY WATER WELL UNLESS OTHERWISE SPECIFICALLY AUTHORIZED

NOTE: NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH UNLESS SPECIFICALLY AUTHORIZED

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS

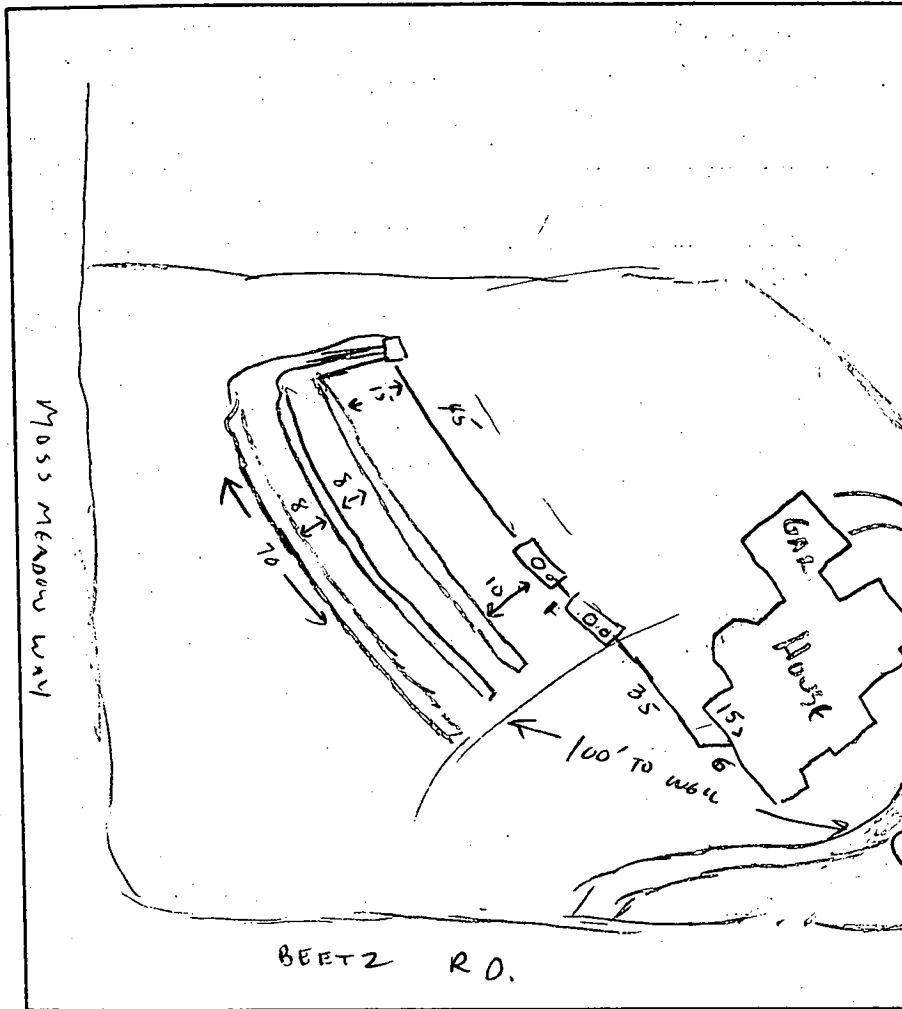
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

NOTE: IF PUMPED SEPTIC SYSTEM REQUIRED, (1) SEPTIC PUMP DETAIL TO BE PROVIDED BY INSTALLER PRIOR TO ISSUANCE OF SEPTIC PERMIT (2) PUMP PERFORMANCE TEST IS NECESSARY PRIOR TO HEALTH DEPARTMENT APPROVAL OF SEPTIC PERMIT

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

51085

NOT TO SCALE



TRENCH DATA

TRENCH WIDTH 3
 TRENCH INLET DEPTH 1/2'
 TRENCH BOTTOM DEPTH 2 1/2'
 DEPTH OF STONE 2'
 NUMBER OF TRENCHES 3
 TOTAL TRENCH LENGTH 210
 ABSORBENT AREA 630
 DISTRIBUTION BOX LEVEL _____
 BAFFLE IN DISTRIBUTION BOX _____

SEPTIC TANK DATA

SEPTIC TANK 2 @ 1000 GALLONS
 MANHOLE RISER
 6 INCH INSPECTION PORT

PUMP CHAMBER DATA

PUMP CHAMBER GALLONS N/A
 MANHOLE RISER _____
 ALARM _____
 PUMP PERFORMANCE TEST _____

PRE-CONSTRUCTION INSPECTION: TANK HOLE TOO CLOSE TO WELL - RELOCATE TO 100' 5/2/00

INSPECTION COMMENTS: 2 TRENCHES COMPLETE 5/3/00 2 TANKS, HOUSE SEWER;
+ 3RD TRENCH COMPLETE. - DISTRIBUTION BOX REMAINS TO BE CONNECTED. 5/3/00
SYSTEM COMPLETE, OK TO COVER. CW 5/4/00

INSPECTOR Craig Will DATE SYSTEM APPROVED 5/4/00

Approved Septic System Plan
Howard County Health Department

TAX MAP 7
 B00121767 SFD 3BR

C. Will
 Signature Date 3/6/00

RITZ ESTATES, BLOCK "A" LOT 1
 PLAT NO. 3879

EX. SEPTIC ESMT AS SHOWN
 ON PLAT NO. 3879

MOSS MEADOW WAY
 (50' RIGHT-OF-WAY)

First Floor 697
 Basement 687
 House INVERT 685.5
 1ST SEPTIC INVERT 685
 2ND SEPTIC INVERT 684
 EXISTING GRADE AT DIRT BOX 683.5
 TRENCH INVERT 683

Total linear feet of trench required 240 feet
 Width of trench(es) 3
 Depth of trench(es) 2
 Depth of stone required below distribution pipe 1 1/2 feet

PLAT 3879
 BEETZ ROAD
 (50' RIGHT-OF-WAY)

10' DRAINAGE AND UTILITY EASEMENT AS SHOWN ON PLAT NO. 3879

10' DRAINAGE AND UTILITY EASEMENT AS SHOWN ON PLAT NO. 3879

LOT 2/3 RITZ ESTATES
 PLAT NO. 3879

LOT 1
 TWIN MAPLES DEVELOPMENT
 PLAT BK. 6 / F. 25

TAX MAP 7, PARCEL 174

APPROXIMATE LOCATION OF SEPTIC SYSTEM BASED ON HEALTH DEPT. RECORDS AND FIELD LOCATIONS

THIS AREA DESIGNATES A MINIMUM 10,000 SQ FT PRIVATE SEWAGE EASEMENT 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 EASEMENTS SHALL BE NULL AND VOID UPON CONNECTION TO A PUBLIC SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENT INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

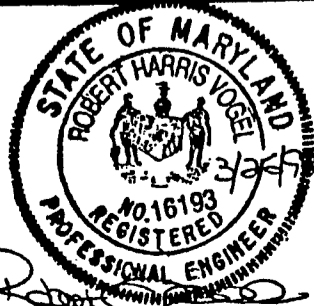
PERCOLATION TEST HOLES SHOWN HEREON HAVE BEEN FIELD LOCATED AND SHOWN AS ⊕

PERCOLATION AREAS AND WATER WELLS WITHIN 100 FEET OF PROPERTY LINES ARE SHOWN ON THIS PLAT.

- NOTES: 1. THE CONTOURS AND ELEVATIONS SHOWN HEREON ARE BASED ON CLIENT SUPPLIED TOPOGRAPHY.
 2. THE PROPERTY LINES SHOWN HEREON ARE BASED ON A PLAT ENTITLED 'RITZ ESTATES, LOTS 1, 2, & 3 AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND AS PLAT NO. 3879.
 3. TO THE BEST OF OUR KNOWLEDGE AND BELIEF, ALL EXISTING WELLS AND SEPTIC EASEMENTS WITHIN 100' OF PROPERTY BOUNDARIES HAVE BEEN SHOWN.
 4. APPROVABLE SEPTIC SYSTEM DESIGN SHALL BE A LOW PRESSURE DISTRIBUTION SYSTEM SUITABLE FOR SHALLOW INSTALLATION.

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS

Suzanne Baker
 COUNTY HEALTH OFFICER cw DATE 3/29/99



RECORD REFERENCES

TAX MAP : 34
 PARCEL : 60
 PLAT NO./FOLIO : 3879
 SCALE : 1"=50'
 DATE : 3-26-99

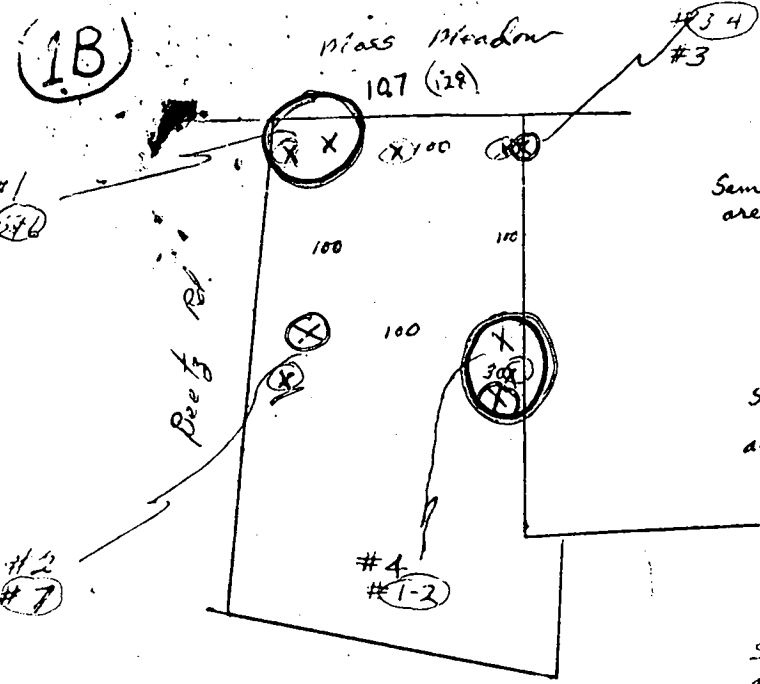
PERCOLATION TEST PLAT

RITZ ESTATES
 LOT 1-B
 4TH ELECTION DISTRICT
 HOWARD COUNTY
 MARYLAND

VOGEL & ASSOCIATES
 ENGINEERS SURVEYORS PLANNERS

3691 Park Avenue, Suite 101 • Ellicott City, Maryland 21043
 Tel 410.461.5828 Fax 410.465.3966

(1B)

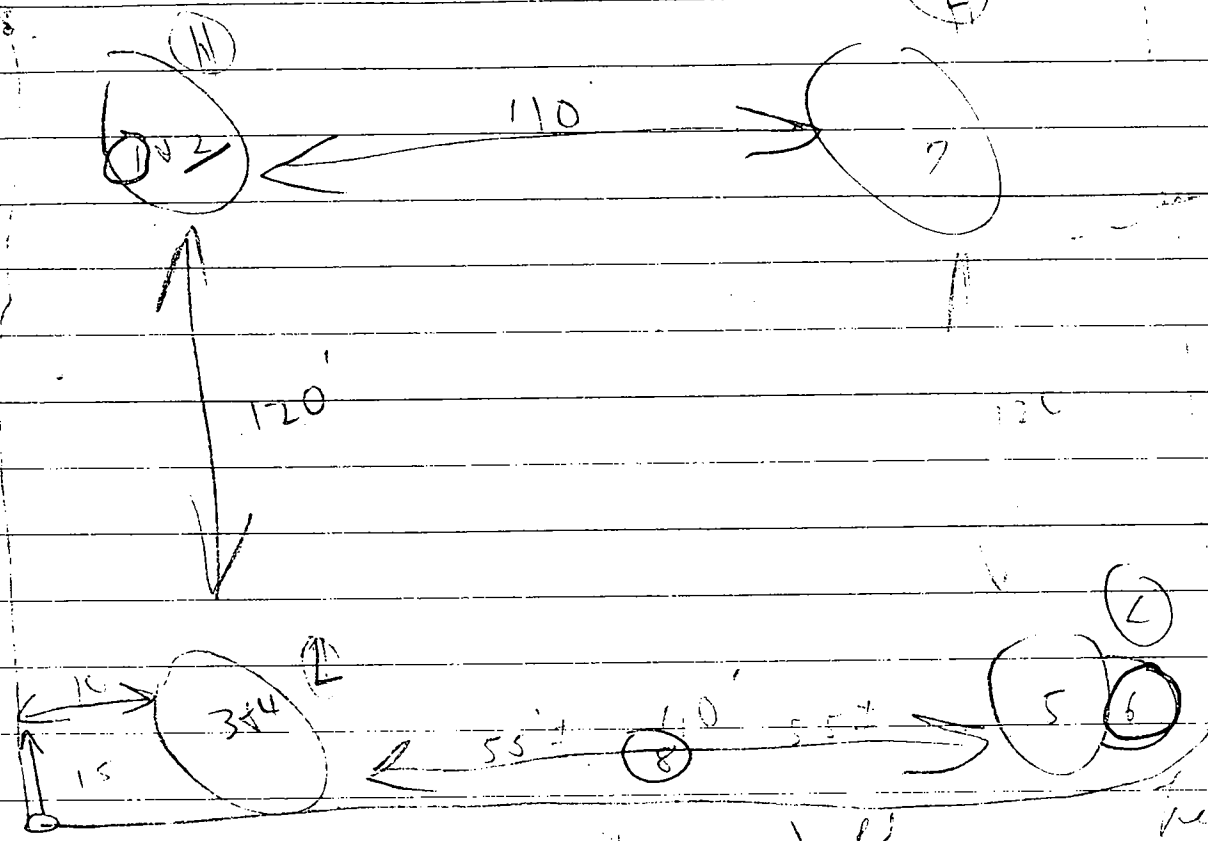


1" = 100'

hole #	Notes
1	1/2 min. at 14' 4. " " 4 1/2'
5-6	1 min. at 12' 11 " " 6'
4	12' <u>shale, clay, sand, dry</u> 9 min. at 3 1/2'
1-2	1 min. at 5 1/2' <u>dry in 2 min.</u> 2 min. at 12'
2	1/2 min. at 14' 3 min. at 4 1/2'
7	12' visual - <u>similar</u> to others
3	<u>failed</u> 13 1/2' - 30 min. 1st inch <u>hard rock</u> 7 min. at 4 1/2'
3-4	16 min. at 12 1/2' 9 min. at 6'
5	10 1/2' visual clayey to 3' silty 3' to 6' <u>harder shale below</u>

Hodges - statement hard shale below ~ 7', clay to 3' silty below
Streaker - statement Below clay loam & weathered shale - also
 Mr. Cobalt present!

13



4/1/77

	1 st	2 nd	3 rd	Total		
①	5 1/2'	12:44	→ 12:45	① min	de 12:45	
②	12'	12:44	12:45	12:47	2 min	
③	6'	12:56	1:01	1:10	9 min	
④	12 1/2'	12:56	1:00	1:16	16 min	
⑤	6'	12:50 ^{PM}	12:55	1:05	11 min	
⑥	12'	12:50	12:51	12:51	12:52	① min
⑦	12'	12:50	12:51	12:51	12:52	① min
⑧	12'	1:20	1:24	1:29	5 min	

Below the ground

Calculated

APPLICATION

A 25001

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: 465-5000, EXT. 356

Septic Tank { 1-3 Bedrooms 1000 gallon
4 Bedrooms 1250 gallon
DISTRICT _____
DATE 11-24-76

Trenches to be 3' wide.

Non-Buildable

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 WWGL ASSOCIATES Arthur Cecilia Lyons

ADDRESS 4300 GELSTON DR. BALTIMORE, MD. 21229 PHONE 945-4200

PROPERTY LOCATION:

SUBDIVISION RITZ ESTATES LOT NO. 1 Block B

ROAD AND DESCRIPTION 17009 Moss Meadow Way
Southeast corner Beetz Road & Moss Meadow Way

SIZE OF LOT 40,100 Sq. Ft. TYPE BLDG. 3 or 4
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 _____ *Shallow trenches only*

APPROVED BY Howard County Health Dept *Specs by F.F.; D.N.M. C.B.D.* FOR _____ DATE 1/1
(KIND OF SYSTEM)

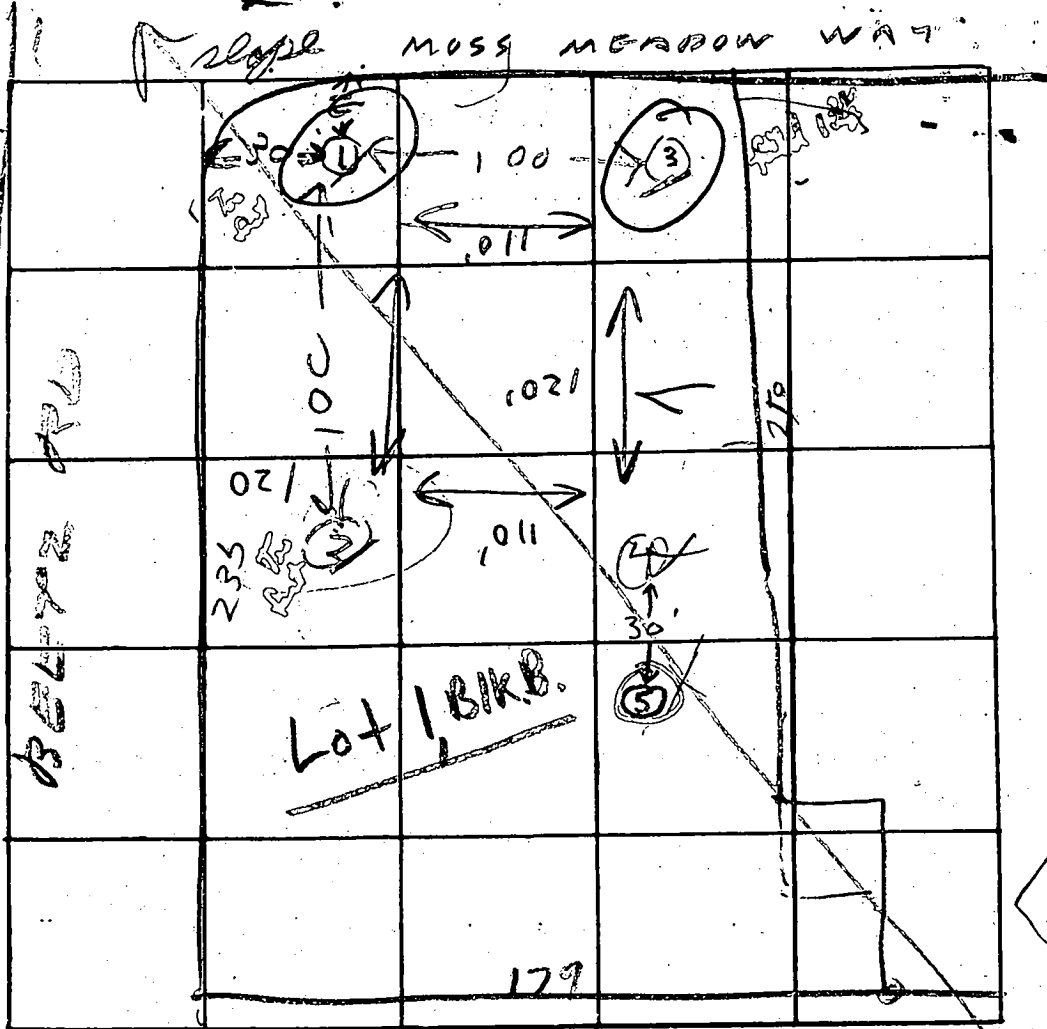
REJECTED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____ BP 65724

THIS IS NOT A PERMIT

#1B



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE

4/1/77
see
note

Colbert
revised
Note
4 holes
seen
boom
&
with
also

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
1/11/77	1S	4 1/2	256	302	302	306	4	
	1D	14	301	302	302	302	1/2 m	
	2S	4 1/2	311	314	314	317	3	
	2D	14	316	317	317	317	1/2	
	3S	4 1/2	329	335	335	343	7	
	3D	13 1/2	333	403	1st time	FAILED		
	4S	8 1/2	350	354	358	409	9	
	4D	12	SHAL	12	12	12		
F.S. 1/11/77	(5)	10 1/2'	Clay to 3' silty, 3-6' hard shale below					

Hard (?)
rock

REMARKS

TYPE OF SOIL

hard shale below 7' clay to 3' silty below

TESTED BY

RH & CBS

ALSO PRESENT:

COY & LLO CO

12/1/98
10:00

APPLICATION

PERCOLATION TESTING

A 511085

P _____

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

LOT IN RECON-062
503000000
PAID TO H... (6)
PASSED BY GRAD...
DUE TO GRAD...
CANDIDATE FOR SAND...
USED TO BE...
OFFICE...
COMMON...

DISTRICT _____

DATE 11/2/98

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 Arthur & Cecelia Lyons

ADDRESS 15930 A.E. Mullinix Rd
Woodbine, MD 21797

PHONE (H) 410 489-7184 (W) 410 313-5545

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Ritz Estates LOT NO. 1BL B 929AR

ROAD AND DESCRIPTION Moss Meadow Way - 1st lot on right
corner of Moss Meadows & Beetz

TAX MAP _____ PARCEL # _____

SIZE OF LOT 1 acre TYPE BLDG. single family
(SINGLE FAMILY DWELLING OR COMMERCIAL)

BLDG. PERMIT SIGNED
AND RETURNED 1/13/2000
B00121767 3BR5

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 # r

SOIL PROFILE

0'

Empty vertical box for soil profile notes.

Empty vertical box for soil profile notes.

Empty vertical box for soil profile notes.

SOIL PROFILE

0'

98B

LOCALIZED CONCENTRATION $4\frac{1}{2}$

PROMINENT CAUSE $6\frac{1}{2}$

DUE TO ROCK

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 _____

TESTED BY _____ ALSO PRESENT _____

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

December 29, 1998

Arthur and Cecilia Lyons
15930 A. E. Mullinix Road
Woodbine, Maryland 21797

RE: Percolation Test Results
Ritz Estates, Lot 1B
Moss Meadow Way

Dear Mr. and Mrs. Lyons:

Percolation re-testing was conducted on December 1, 1998. Soil conditions examined were unsatisfactory for conventional septic systems because of shallow depth to excessively permeable soils. This condition confirms previous determinations that the lot does not meet regulatory standards for conventional septic system installation (copies of test enclosed).

Should you object to this determination, there are opportunities for appeal. The first step in the process being an informal review conference in this office. That review would require a plat with the following information: actual locations and elevations of all excavated test holes topography; a suitable well and house site; the location of any other relevant features, such as streams, swales and springs. A note must be included certifying that all wells and septics within 100 feet of property boundaries have been shown.

Legally established lots which are not suited for conventional septic systems can be considered under standards for Innovative and Alternative systems (I & A). There is reason for optimism that soil conditions on this property would qualify for approval under that standard.

Recommendations for an I & A design specific to this property should be submitted by an engineer or consultant familiar with the technology. It is encouraged that the proposal include provisions for enhanced pretreatment.

Arthur and Cecilia Lyons

- 2 -

December 29, 1998

If you have any questions, please feel free to call me at 410-313-2640.

Yours truly,



Glen M. Savage, R.S.
Water and Sewerage Program

GMS:hs

12/1/98

APPLICATION

PERCOLATION TESTING

A 511085

P _____

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

DISTRICT _____

DATE 11/2/98

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 ARTHUR & CECELIA LYONS

ADDRESS 15930 A.E. MULLINX RD PHONE H 410-489-7184 W 410 313-5545
WOODBINE RD 21797

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION RITZ ESTATES LOT NO. 13L B 929AR

ROAD AND DESCRIPTION MOSS MEADOW WAY - 1ST LOT ON RIGHT

MOSS & BEETS

TAX MAP _____ PARCEL # _____

SIZE OF LOT 40,500 SQ FT TYPE BLDG. SEN
(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.

ORIGINAL NOT SIGNED
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

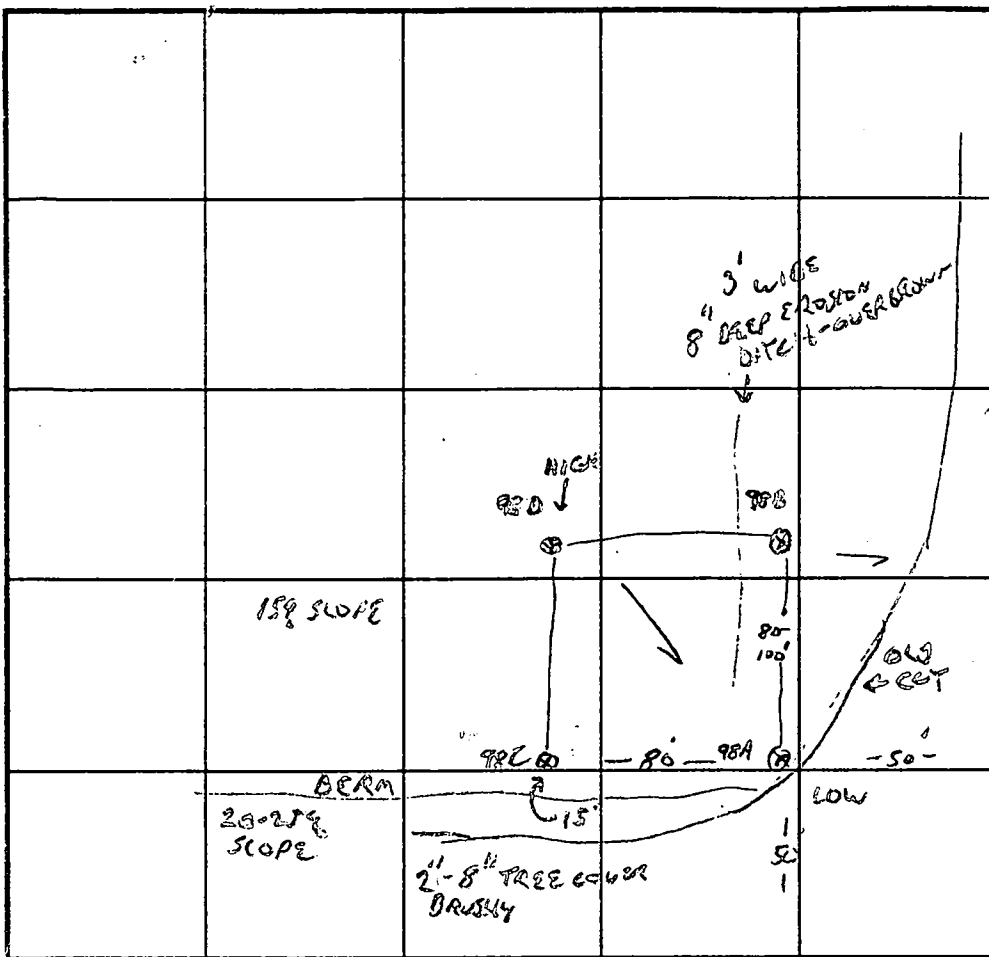
HOLD PENDING FURTHER TESTS _____

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



SOIL PROFILE 98A
 To 144
 2
 STONE LOAM
 FILL
 PINK SHALEY SL
 MULTI-COLORS
 5-30% ROCK
 VARIABLE
 ROOTS THROUGHOUT

SOIL PROFILE 98B
 0' TOPSOIL
 6" BROWN LOAM GRAVELLY
 2.0' PINK/TAN SIL
 10% SHALEY
 50% ROCK AT BOTTOM
 ROOTS THROUGHOUT
 BELOW 1.5-8'
 9' 50% ROCKY

98C
 1" TOPSOIL
 3" BROWN LOAM
 2" PINK/TAN YELLOW SL
 3" SL w/ 50% SUNLEY 30% BRUSH
 5" PINK SIL 15% ROCK
 9.5' 50% ROCKY

98D
 3" BROWN/RED SH LOAM RW ROCKS
 2" LIGHT TAN SL/SIL
 4-4.5' 40% ROCK 1.5% SIL
 7.50% ROCK @ BOTTOM
 9'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE. MASS AERODY

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12-1-98	98A	3.5/9.5	11:35	11:36:50	→	11:38.50	2 MIN
		2.5	2:49	2:54	→	3:06	10 MIN
	98B	3.5/9.0	11:49	11:50	→	11:54	4 MIN
		2.5	2:06	2:06	→	2:17	11 MIN
	98C	3.5/9.5 ³⁰	12:16	12:17 ³⁰	→	12:20	2.5 MIN
		2.5/	1:36	1:38	→	1:40	2 MIN
	98D	3.5/9.0	12:41:45	12:43 ⁴⁵	→	12:46	2 MIN
	X	7	TOO FAST TO TIME				F
		2	1:30	1:33	→	1:42	9 MIN

REMARKS TOO STEEP FOR SAND ROUND EVALUATION
 TYPE OF SOIL ROCK FRACTURES PACKED W/ SOIL, TREATMENT A
 TESTED BY GLEN SAVAGE ALSO PRESENT HEAVY SANDS, OWNED
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH 3
 INLET DEPTH 6" MAXIMUM BOTTOM DEPTH 2 1/2 SQ. FT./BEDROOM 240

1B

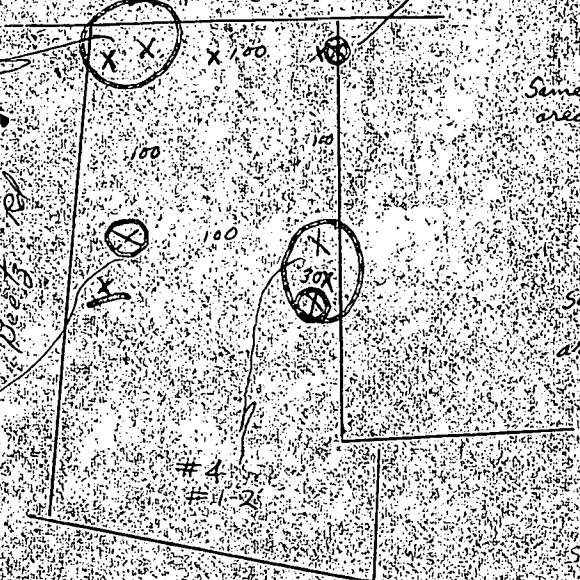
Mass. Meadow

109 (28)

#3
#3-4

Hole #

#1
#546



Part B

1" = 100'

Same area

Same area

Same area

Same area

1 1/2 min at 14'
4 1/2

5-6 1 1/2 min at 12'
6

4 12' shale, clay, sand dry
9 min at 3 1/2

1-2 1 min at 5 1/2 dry in 2 min
2 min at 12'

2 1/2 min at 14'
3 min at 4 1/2

7 12' visual, similar to others

3 failed 13 1/2' - 30 min 1st inch
7 min at 4 1/2
hard rock

3-4 16 min at 12 1/2
9 min at 6'

5 10 1/2' visual, clayey to 3'
silty 3'-6'
harder shale below

Please drill a well for us on lot 1 in the area shown on the plat -

TAX MAP 7
PARCEL 4

Dan Kelly
11/9/99

RITZ ESTATES, BLOCK "A" LOT 1
PLAT NO. 3879

EX. SEPTIC ESMT AS SHOWN
ON PLAT NO. 3879

MOSS MEADOW WAY
(50' RIGHT-OF-WAY)

PLAT NORTH (3879)

TAX MAP 7
PARCEL 88

EX. PUMP BOX

*WELL SITE OK
w/o pump -
EXTENSIVE PUMP
EXPOSURE TO
SITE.*

BEEZ ROAD
(50' RIGHT-OF-WAY)

LOT 1
40,500 SqFt ±
PLAT NO. 3879

PROP. HOUSE

10' DRAINAGE AND UTILITY
EASEMENT AS SHOWN ON PLAT
NO. 3879

LOT 2/3 RITZ ESTATES
PLAT NO. 3879

EX. SEPTIC EASEMENT

LOT 1
TWIN MAPLES DEVELOPMENT
PLAT BK. 6 / F. 25

TAX MAP 7, PARCEL 174

NEW D.BOX
OLD D.BOX

APPROXIMATE LOCATION OF
SEPTIC SYSTEM BASED ON HEALTH
DEPT. RECORDS AND FIELD LOCATIONS

EX. WELL

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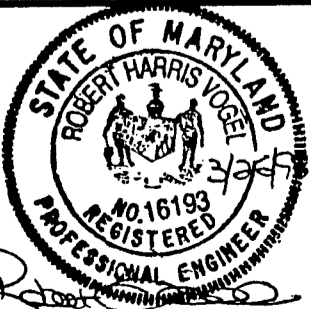
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2. THE PROPERTY LINES SHOWN HEREON ARE BASED ON A PLAT ENTITLED 'RITZ ESTATES, LOTS 1, 2, & 3 AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND AS PLAT NO. 3879.
3. TO THE BEST OF OUR KNOWLEDGE AND BELIEF, ALL EXISTING WELLS AND SEPTIC EASEMENTS WITHIN 100' OF PROPERTY BOUNDARIES HAVE BEEN SHOWN.
4. APPROVABLE SEPTIC SYSTEM DESIGN SHALL BE A LOW PRESSURE DISTRIBUTION SYSTEM SUITABLE FOR SHALLOW INSTALLATION.

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS

Gary Sue Baker 3/29/99
COUNTY HEALTH OFFICER cw DATE



RECORD REFERENCES

TAX MAP : 34
PARCEL : 60
PLAT NO./FOLIO : 3879
SCALE : 1"=50'
DATE : 3-26-99

PERCOLATION TEST
PLAT
RITZ ESTATES
LOT 1-B
4TH ELECTION DISTRICT
HOWARD COUNTY
MARYLAND

VOGEL & ASSOCIATES
ENGINEERS • SURVEYORS • PLANNERS

3691 Park Avenue, Suite 101 • Ellicott City, Maryland 21043
Tel 410.461.5828 Fax 410.465.3966

PLAT NORTH (3879)

F.F. ELEV. 697 687
BASE MEASUREMENT ELEV. 685.5
HOUSE INVERT 685
FIRST SEPTIC INVERT 684
SECOND SEPTIC TANK INVERT 683.5
EXISTING GRADG. AT DIST. BOX 683.5
TABOCH INVERT 683.5
(AT GRADE SYSTEM)

TAX MAP 7
PARCEL 88

RITZ ESTATES, BLOCK "A" LOT 1
PLAT NO. 3879

EX. SEPTIC ESMT AS SHOWN
ON PLAT NO. 3879

MOSS MEADOW WAY
(50' RIGHT-OF-WAY)

BEETZ ROAD
(50' RIGHT-OF-WAY)

233' total linear feet of trench required 2 1/2 feet

width of trench (ea)
depth of trenches (es)

Depth of stone trench below

20' DRAINAGE AND UTILITY EASEMENT AS SHOWN ON PLAT NO. 3879

10' DRAINAGE AND UTILITY EASEMENT AS SHOWN ON PLAT NO. 3879

LOT 2/3 RITZ ESTATES
PLAT NO. 3879

EX. SEPTIC EASEMENT


LOT 1
TWIN MAPLES DEVELOPMENT
PLAT BK. 6 / F. 25

TAX MAP 7, PARCEL 174

APPROXIMATE LOCATION OF SEPTIC SYSTEM BASED ON HEALTH DEPT. RECORDS AND FIELD LOCATIONS

- NOTES: 1. THE CONTOURS AND ELEVATIONS SHOWN HEREON ARE BASED ON CLIENT SUPPLIED TOPOGRAPHY.
2. THE PROPERTY LINES SHOWN HEREON ARE BASED ON A PLAT ENTITLED 'RITZ ESTATES, LOTS 1, 2, & 3 AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND AS PLAT NO. 3879.
3. TO THE BEST OF OUR KNOWLEDGE AND BELIEF, ALL EXISTING WELLS AND SEPTIC EASEMENTS WITHIN 100' OF PROPERTY BOUNDARIES HAVE BEEN SHOWN.
4. APPROVABLE SEPTIC SYSTEM DESIGN SHALL BE A LOW PRESSURE DISTRIBUTION SYSTEM SUITABLE FOR SHALLOW INSTALLATION.

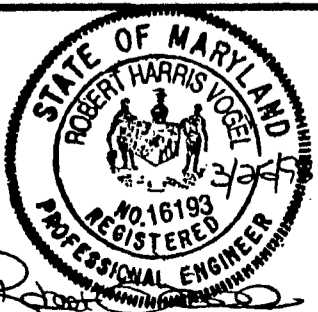
THIS AREA DESIGNATES A MINIMUM 10,000 SQ FT PRIVATE SEWAGE EASEMENT REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BE NULL AND VOID UPON CONNECTION TO A PUBLIC SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENT INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

PERCOLATION TEST HOLES SHOWN HEREON HAVE BEEN FIELD LOCATED AND SHOWN AS  .

PERCOLATION AREAS AND WATER WELLS WITHIN 100 FEET OF PROPERTY LINES ARE SHOWN ON THIS PLAT.

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS

Gary Sue Baker 3/29/99
COUNTY HEALTH OFFICER cw DATE



RECORD REFERENCES	
TAX MAP :	34
PARCEL :	60
PLAT NO./FOLIO :	3879
SCALE :	1"=50'
DATE :	3-26-99

PERCOLATION TEST	
PLAT	
RITZ ESTATES	
LOT 1-B	
4TH ELECTION DISTRICT	
HOWARD COUNTY	
MARYLAND	



3691 Park Avenue, Suite 101 • Ellicott City, Maryland 21043
Tel 410.461.5828 Fax 410.465.3966

313-2648

HOWARD COUNTY HEALTH DEPARTMENT
Bureau of Environmental Health
3525-H Ellicott Mills Drive
Ellicott City, MD 21043
~~401-9032~~

410-313-2640

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation
Replacement

Receipt # _____
Date 2-7-00

Name of Installer Dennis Wilson

Telephone 410-455-4346

License Number JSB 060

Certified Well Pump Installer Well Driller Registered Plumber

Name of Property Owner Dave Barkley

Telephone _____
Well Tag # NO-99-2495

Subdivision _____ Lot # 1
Site Address mass meadow way
879 Beetz Rd

Pump

Motor

Pitless Adapter

- 1. Type
 - a. Deep well jet _____
 - b. Shallow well jet _____
 - c. Submersible

- 1. Horsepower _____
- 2. RPM 3750
- 3. Voltage _____
 - a. 110 _____
 - b. 220

- 1. Make Mattinson
- 2. Model # B-10X
- 3. Depth 3 1/2

2. Make Goulds

3. Model # SGS10432

4. Capacity 5 GPM

5. Pump exceeds well capacity Yes _____ No

6. If Yes, is low pressure cutoff switch installed? Yes _____ No _____

7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors _____ Cable guards Other _____

Tank

Piping

Well data

- 1. Capacity 32
- 2. Pressure relief valve? yes

- 1. Type PE
- 2. Size 1
- 3. NSF and/or BOCA Code approved
- 4. Depth of supply line 3 1/2

- 1. Depth 500 ft.
- 2. Yield 7 GPM
- 3. Static water level _____ ft.
- 4. Will water supply be disinfected by installer? yes

I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

All information given above is true to the best of my knowledge.

7/3/00 - WPI Inspection appears to be never called so no inspection performed. Mr. Barkley notified and on w/this (SRW)

Signature of Applicant: Dennis Wilson

Date: _____

Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.

C1 07541

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

FILL IN THIS FORM COMPLETELY PLEASE TYPE

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED.

COUNTY NUMBER A 25001

ST/CO USE ONLY DATE Received MM DD YY

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-99-2495

OWNER BANKEY DAVID STREET OR RFD 17009 MOSS MEADOW WAY TOWN MT AIRY SUBDIVISION RITZ ESTATES SECTION LOT 1B

WELL LOG

Not required for driven wells

GROUTING RECORD

WELL HAS BEEN GROUTED (Y) (N) TYPE OF GROUTING MATERIAL (C) (M) (B) (C) NO. OF BAGS 13 NO. OF POUNDS 1300 GALLONS OF WATER 78 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 38 ft.

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 7. METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 44 ft. WHEN PUMPING 170 ft. TYPE OF PUMP USED (for test) S submersible

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Rows include Top Soil, Shale, Tan Shale, Brown Slate, Tan Slate, Gray Slate, Tan Brown, white SLATE, Gray Slate, Tan Slate, Gray Slate.

CASING RECORD (S) (T) (C) (O) (P) (L) (O) (T) (O) STEEL CONCRETE PLASTIC OTHER

MAIN CASING TYPE (S) Nominal diameter top (main) casing (nearest inch)! 6 Total depth of main casing (nearest foot) 40

OTHER CASING (if used) diameter inch depth (feet) from to

SCREEN RECORD (S) (T) (B) (R) (H) (O) (P) (L) (O) (T) (O) STEEL BRASS BRONZE PLASTIC OPEN HOLE OTHER

NUMBER OF UNSUCCESSFUL WELLS:

WELL HYDROFRACTURED (Y) (N)

CIRCLE APPROPRIATE LETTER A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED E ELECTRIC LOG OBTAINED P TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT...

DRILLER'S LIC. NO. 1 MIND 040 George F. Estess DRILLER'S SIGNATURE

LIC. NO. 1 PW D 328 Albert Halbert

SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

C 2 DEPTH (nearest ft.)

Table with columns: T, E, A, C, H, S, R, E, N. Rows show depth intervals: 8-11, 15-17, 21-23, 24-26, 30-32, 36-38, 39-41, 45-47, 51-53, 54-56, 60-62.

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

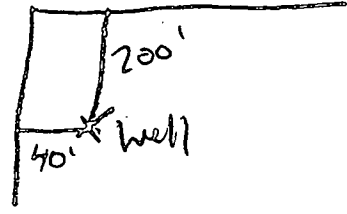
MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W O

70 72 74 75 76 TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMP INSTALLED

DRILLER INSTALLED PUMP (CIRCLE) (YES) (NO) IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29. CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35 PUMP HORSE POWER 37 41 PUMP COLUMN LENGTH (nearest ft.): 43 47 CASING HEIGHT (circle appropriate box and enter casing height) (+) above LAND SURFACE (-) below 2 (nearest foot)

LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURES AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)



1-5-00 8:00

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-2495
 Location of property (road) 17009 MOSS MEADOW WAY
 Subdivision RITZ ESTATES Lot 18 Block _____ Plat _____ Sec. _____
 Well Driller EASTENDAY Owner DAVID GARKKEY

Depth of well 500 5 + gpm
 Distance of measuring point (M.P.) above ground 2'
 Static water level (S.W.L.) below M.P. 44'

I. High rate pumping -- reservoir drawdown

Time pump started 800 Pumping rate 15 G.P.M.
 Total time 45 min to reach pumping water level 171 ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
8:45	171	8.5 Sec	Pump 380	7
9:00	171	8.5	AK	7
9:15	171	8.5		7
9:30	170	8.5		7
9:45	170	8.5		7
10:00	170	8.5		7
10:15	170	8.5		7
10:30	170	8.5		7
10:45	170	8.5		7
11:00	170	8.5		7
11:15	170	8.5		7
11:30	170	8.5		7
11:45	170	8.5		7

B 1 14219 6

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER

Ho - 94 - 2495 fill in this form completely

Date Received (APA)

OWNER INFORMATION

RN 8104

B 3

Howard

LOCATION OF WELL

CC#

8 MM DD YY 13

Barkley

Dave

15 Last Name Owner First Name 34

8953 B Early April Way

36 Street or RFD 55

Columbia, Md. 21046

57 Town 70 State 72 Zip 76

8 COUNTY 21

Ritz Estates

23 SUBDIVISION 42

SECTION 44 46 LOT 48 50

Mt. Airy

52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) 2 M 73 76 77 78

DRILLER INFORMATION

George F. Easterday

MW BY 040

Driller's Name 76 License No. 81

L. Franklin Easterday, Inc.

Firm Name

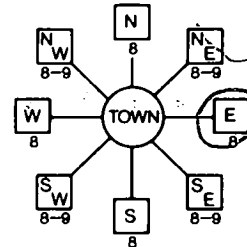
9265 Brown Church Rd., MT. Airy, Md. 21771

Address

Signature George F. Easterday Date 11/11/1999

B 4

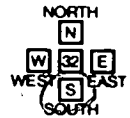
1 2 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Moss Meadow Way

11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



34 25 37

DISTANCE FROM ROAD Ft. ENTER FT. OR MI 38 39

TAX MAP: BLK: PARCEL

B 2

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN) 5

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION (circled)
FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
INDUSTRIAL, COMMERCIAL, DEWATERING
PUBLIC WATER SUPPLY WELL
TEST, OBSERVATION, MONITORING
GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard A25001

COUNTY NAME COUNTY NO.

STATE SIGNATURE INSERT S

DATE ISSUED 11/22/99 CO SIGNATURE EXP. DATE 11/20/00

NORTH GRID 551 000 EAST GRID 0768 000

APPROXIMATE DEPTH OF WELL 300 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST INCH

METHOD OF DRILLING (circle one)

- BORED (or Augered) JETTED Jetted & DRIVEN
AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)
CABLE REVerse-ROTary DRive-POINT
other

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

- 1. wells
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E 760

N 550

LOCATION 45' FROM CTR OF BEETZ RD

GRANTED PERMIT TO ANNUL

1/5/00 (EW)

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION

MAP

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- THIS WELL WILL NOT REPLACE AN EXISTING WELL
THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
THIS WELL WILL DEEPEMED AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41

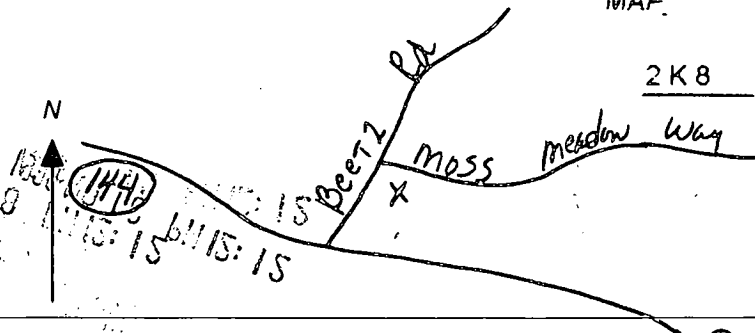
Not to be filled in by driller (MDE OR COUNTY USE ONLY)

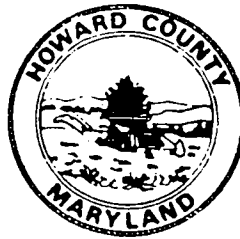
APPROX. PERMIT NUMBER 54 G A P 63

PERMIT No. Ho - 94 - 2495

SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED





HOWARD COUNTY HEALTH DEPARTMENT

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

June 11, 1992

Reply to:

Mr. and Mrs. Art Lyons
17009 Moss Meadow Way
Mt. Airy, Maryland 21771

RE: Ritz Estates - Lot 1-B
Moss Meadow Way

Dear Mr. and Mrs. Lyons:

This is in response to your recent telephoned inquiry regarding the status of Lot 1-B - Ritz Estates, at the corner of Beetz Road and Moss Meadow Way. A review of our files indicates that this lot is not currently approved for installation of any type of septic system.

The history of this property is rather complex. The file shows that in about 1977, Lot 1 passed the percolation test and was approved as a separate buildable lot. Lots 2 and 3 failed that percolation test and were not approved as being buildable. In 1980, approval for Lot 1 was rescinded. It had been discovered that the shallow soils that had passed the percolation test had been graded away.

Re-evaluation failed to determine that adequate soil conditions remained to satisfy the requirements of a residential building lot. However, when the lot was considered in combination with Lots 2 and 3, sufficient conditions were found to sustain approval of the combined 3 lots as one single unit.

An April 2, 1985 letter to the Office of Taxation confirms this position. Each of the three lots may well have continued to be recorded separately, independent of the fact that building permit approval was contingent upon the three lots being treated as a single combined unit.

In order for any of the three lots to be considered separately from the rest, it would have to be established that adequate well and septic conditions could be provided on both the separated vacant lot and on the remaining developed property.

DISCUSS LOT
LITERATURE WITH
OWNER.
EXPLAINED WHY IT
WAS FELT ALL
POSSIBILITIES HAD
BEEN EXHAUSTED,
BUT THAT MOST
FAVORABLE WERE
NOT PROVIDED.
THEREFORE COULD NOT
ABSOLUTELY RULE OUT
ANY POSSIBILITY.
STRONGER RECOMMENDS AGAINST
PERCOLATION TESTING, BUT
AGREES THAT RE-TEST
REQUEST WOULD BE HANDLED
IF ACCOMPANIED BY A
CONSULTANT TEST LABORATORY.
PLEASE SEE
COURTESY OF
C. Williams

Mr. and Mrs. A. Lyons

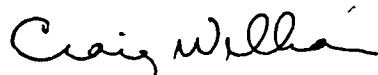
- 2 -

June 11, 1992

While this possibility cannot be completely ruled out, the extensive test history and the complicating site conditions created by the locations of nearby wells and septic tanks suggests that the likelihood of approval is very remote. The fact that so much soil has been disturbed by testing and retesting may make it impossible to even establish that a contiguous undisturbed 10,000 square foot area remains in which to attempt to establish the required sewage disposal easement.

If you have any questions or require additional clarification, please do not hesitate to call.

Very truly yours,



Craig Williams, Program Director
Water and Sewerage Program

CW:jr

Enclosure

David and Dorothy Barkley
6467 Freetown Road
Columbia MD 21044

April 21, 1999

Craig Williams
Howard County Health Department
Bureau of Environmental Health
3525-H Ellicott Mills Drive
Ellicott City MD 21043-4544

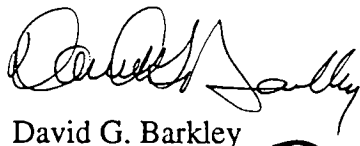
Dear Mr. Williams,

I understand from Mrs. Cecelia Lyons that the property known as Lot 1 Section B, Ritz Estates on Beetz Road at Moss Meadow Way has passed its percolation test with the recommendation by their engineer of a "low pressure" system. In light of that, could you tell me the likelihood of a request being approved for a 2,000 square foot main unit with a 665 square foot "in law" apartment attached with a total of five bedrooms (four in the main unit and one in the in-law unit)?

Do you have a sketch showing the recommended location of well and septic for the property? Could you tell me what is meant by a "low pressure" system and what the likely expense of one for a proposal such as this would be?

Thank you for your time.

Sincerely,



David G. Barkley

5/24/99

DAVID - AS PER OUR
PRIOR TELEPHONE CONVERSATION,
PLEASE SCHEDULE A TIME TO MEET
AT THE OFFICE SO WE CAN DISCUSS
THE PROPERTY AND YOUR PROPOSAL,
IN GREATER DETAIL,
AND ONES PREVIOUSLY WRITTEN
DO NOT LEND THEMSELVES
TO YES/NO ANSWERS, AND I
THINK YOUR UNDERSTANDING OF
THE POSSIBILITIES WOULD BE
ENHANCED THRU DISCUSSION...
THANK YOU,
Craig Williams

ENCLOSED IS A COPY
OF THE APPROVAL
DOCUMENT WHICH
SHOULD AID IN UNDER-
STANDING OF HOW THE
PROPERTY CAN BE
UTILIZED -
PLEASE BRING IT
TO OUR MEETING
ALONG WITH A PROPOSED
HOUSE FOOTPRINT.
CW



HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer
January 25, 1999

David and Dorothy Barkley
6467 Freetown Rd
Columbia, Md. 21044

Re: Lot 1B Ritz Estates
Corner Moss Meadow Way at Beetz Rd

Dear Mr. and Ms. Barkley,

In response to your inquiry of December 30, about the above referenced property, no determination has yet been reached as to the sewage disposal capacity for the above referenced property.

Percolation testing conducted December 1, 1998 indicated limited portions of the property to have soil conditions suitable for septic system installation, but a scaled site plan is to be submitted by the applicant prior to any final determination on the limits of the area and the potential design capacity.

(Enclosed is a copy of our letter to the applicant requesting submittal of same. The applicant has been advised of this requirement on prior contacts, although this specific letter is just now being sent him, due to some recent problems with our office equipment. We are just now catching up to some past due correspondence.)

I am reluctant to be prejudicial to your request since full information is not yet available. However, without even considering overall septic capacity, it seems somewhat unlikely that a home of 20,00 square feet could be reasonably fit on this site without infringing upon building restriction lines and normal separation requirements from well and septic.

Once the requested percolation certification has been submitted and approved, I would be happy to sit down with you to consider your specific house plans, and whether or not they can be accommodated on this property.

Yours truly,

Craig Williams, Sanitarian



HOWARD COUNTY HEALTH DEPARTMENT

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

January 25, 1999

Arthur and Cecelia Lyons
15930 A. E. Mullinix Mill Rd.
Woodbine, Md. 21797

Re: Percolation Test Results
Application A511085
Lot 1 Section B, Ritz Estates
Beetz Rd at Moss Meadow Way

Dear Mr. and Ms. Lyons,

Percolation testing conducted December 1, 1998 produced limited satisfactory soil conditions. A copy of the test notes from this date is enclosed.

Minimum depth to highly fractured bedrock was the principle limiting feature in all locations tested. It is not clear at this time whether or not sufficient area has been established.

Further review is contingent upon submittal (preferably by a licensed surveyor or engineer) of a scaled percolation certification plan showing confirmed locations and elevations of the test holes, site topography, and a suitable house and well site, along with the location of existing wells, septic systems, and designated sewage disposal easements on adjoining properties. Additionally, your surveyor or engineer would be aware of certain technical language that should appear on the document. If you are preparing the document yourself, we can assist with the language once the plan is submitted and reviewed.

Please feel free to contact me at this office if you have any additional questions regarding this matter.

Yours truly,

Craig Williams

David and Dorothy Barkley
6467 Freetown Road
Columbia MD 21044

December 30, 1998

Howard County Department of Health
Bureau of Environmental Health
3525 Ellicott Mills Drive
Ellicott City MD 21043

I am considering purchasing property at 17013 Moss Meadow Way. The one acre lot is recorded as the Writz Estate Subdivision, plat 3879, lot 1.B I spoke with owner, Mrs. Ceil Lyons, today and understand that you feel the property will perk. However, I believe the size of the drain field is related to the number of bedrooms planned. In the event I purchased the property I would be considering two options. I would appreciate your evaluation of those options from the standpoint of the capacity of the soil to accommodate the requisite size field. The two options are:

to buy the property in cooperation with my son-in-law and to build a 20,000 square foot home with five bedrooms and an adjoining in-law apartment of 800 square feet with three bedrooms, for a total of eight bedrooms; or

to buy the property myself and build a single-family residence with three bedrooms.

I would appreciate your assessment of the likelihood of the property handling the necessary drain field for the two options mentioned.

Sincerely yours,



David G. Barkley

Ritz Estates Lot 1 Block B 8.929A 36700

Map Grid P
1/2/98
Dec 1, 98 - Paper C
by GS

TAX MAP 7
PARCEL 4

RITZ ESTATES, BLOCK "A" LOT 1
PLAT NO. 3879

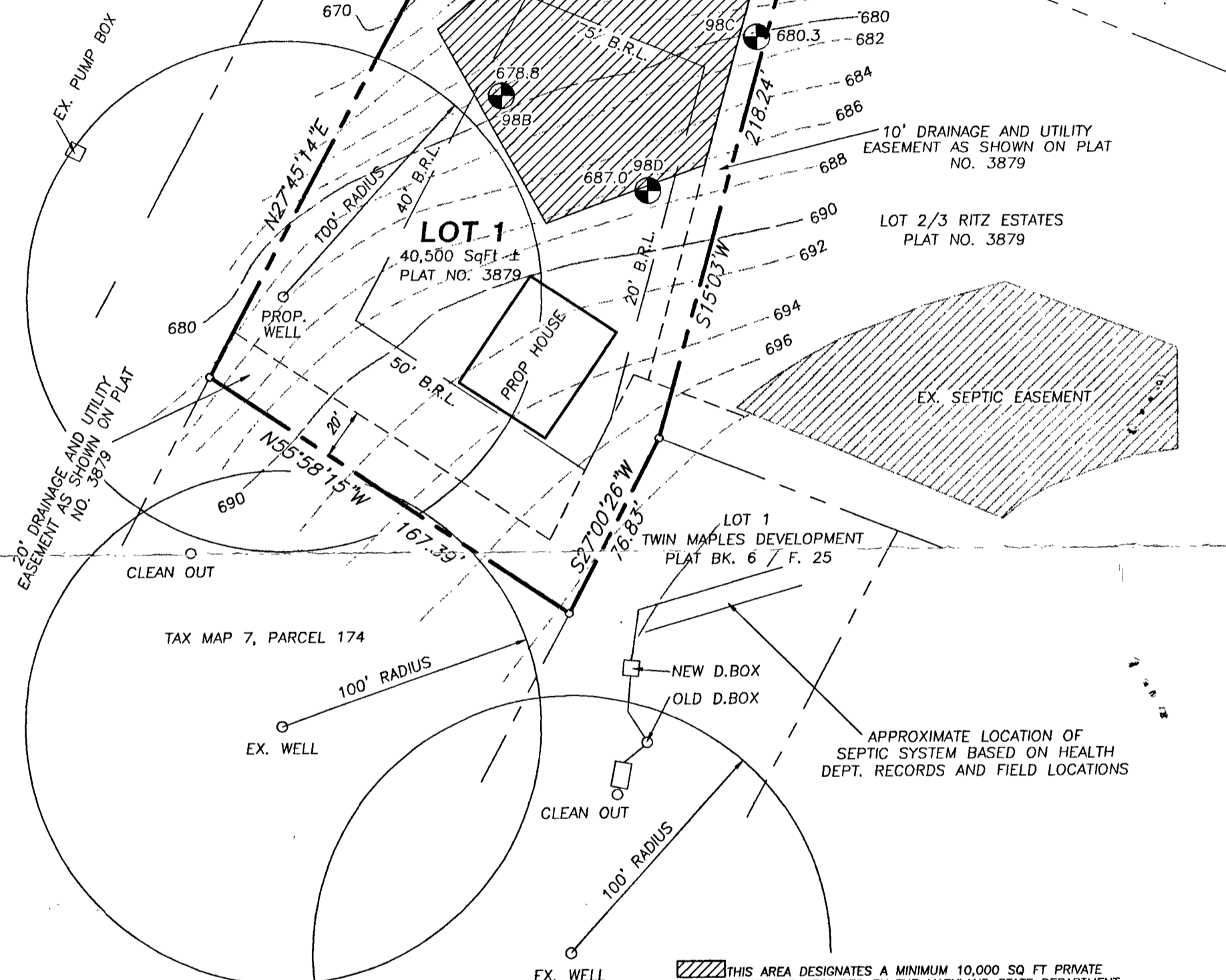
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ON PLAT NO. 3879

MOSS MEADOW WAY
(50' RIGHT-OF-WAY)

BEEZ ROAD
(50' RIGHT-OF-WAY)


TAX MAP 7
PARCEL 88

PLAT NORTH (3879)



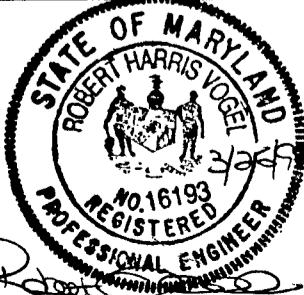
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 PERCOLATION AREAS AND WATER WELLS WITHIN 100 FEET OF PROPERTY LINES ARE SHOWN ON THIS PLAT.

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS

Gary Sue Baker 3/29/99
 COUNTY HEALTH OFFICER cw DATE



RECORD REFERENCES	
TAX MAP :	34
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PLAT NO./FOLIO :	3879
SCALE :	1"=50'
DATE :	3-26-99

PERCOLATION TEST PLAT RITZ ESTATES LOT 1-B 4TH ELECTION DISTRICT HOWARD COUNTY MARYLAND

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