

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

04-319680

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXXXX~~ 313-2640

INDEXED

P 57538B

A 57077

DISTRICT 4th

DATE 11/19/96

DATE SYSTEM APPROVED 1/7/97

INSPECTOR KM

Jack Fyock Septic Service

IS PERMITTED TO INSTALL ☒ ALTER ☐

ADDRESS 4105 Ten Oaks Road, Dayton, Maryland 21036 PHONE 988-9270

SUBDIVISION Siron Property LOT ROAD 4554 Roxbury Road

PROPERTY OWNER William and Nealie Siron

ADDRESS

SEPTIC TANK CAPACITY 1000 GALLONS

***TOPSEAM SEPTIC TANK REQUIRED IF TANK NOT
WITHIN 20' OF DRAINFIELD***

NUMBER OF BEDROOMS 3

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 210

TRENCHES - Trench to be 3 feet wide. Inlet 5 feet below original grade. Bottom maximum depth 7 feet below original grade. Effective area begins at 5 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place distribution box 175 feet from rear lot line and 145 feet from right lot line. Run trenches on contour to right side of lot. Required trench layout:
60' trench, 70' trench 80' trench.

NOTE - Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 10/27/96 DCS

PLANS APPROVED BY Mark Rifkin DATE 10/22/96

COVER NO WORK UNTIL INSPECTED AND APPROVED

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM

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

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

NOTE: IF DEEP TRENCH(ES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(ES)

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH

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

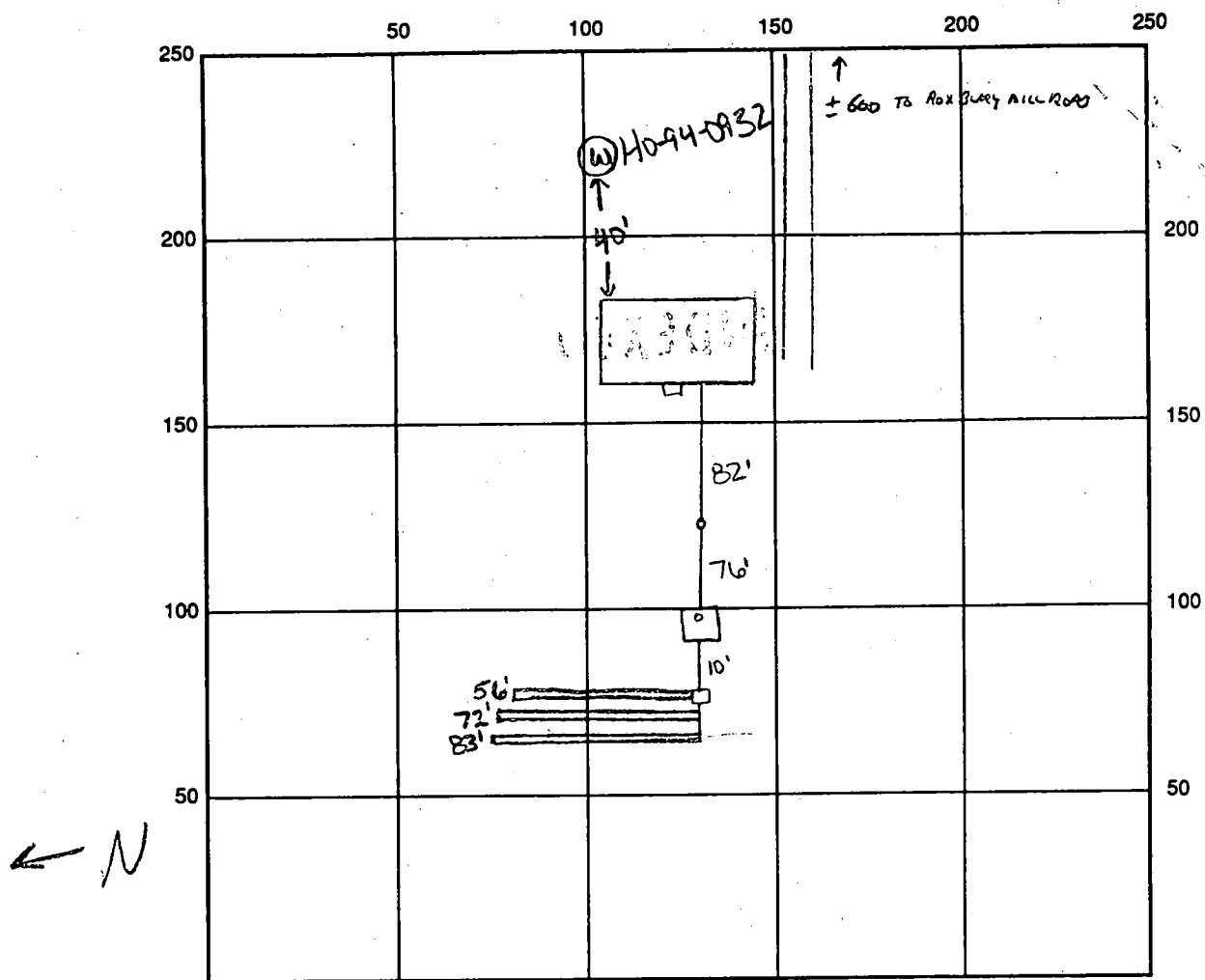
PERMIT VOID AFTER TWO YEARS

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

A 57077B



SEPTIC TANK LEVEL OK 1000 gallons

CLEANOUTS 2

DISTRIBUTION BOX LEVEL OK 110'

DRAIN FIELD/TITLE DEPTH 7 FT.

TRENCH WIDTH 3 FT.

INLET DEPTH 5 FT.

EFFECTIVE GRAVEL DEPTH 5 FT.

TOTAL LENGTH 1 x 56
1 x 73 FT. → 211

NUMBER OF TRENCHES 3

ONE SIDEWALL BOTTOM AREA 633 SQ. FT.

DRYWALL INSIDE DIAMETER — FT.

EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA — SQ. FT.

REMARKS: 1/7/97 OK to cover all work. KM

DATE SYSTEM APPROVED 1/7/97

INSPECTOR Kim Maisto

APPLICATION

PERCOLATION TESTING

A 57077

P _____

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____

DATE 8/16/96

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

PERVIOUS OR
VACANT LOT
APPLICANT WISHES TO
RELOCATE FROM
ADJOINING PROPERTY
STATUS OF EXISTING
HOUSE- WELL-SEPTIC
ON THAT LOT T. B. D. (CW)

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER MRS & MRS W^m L. SIRON

ADDRESS 4586 RT 97, BROOKVILLE, MD. Map 27 P.6 PHONE 410-489 5269

AGENT OR PROSPECTIVE BUYER BILL SWANN (OR DAVE SWANN)

ADDRESS 12979 ROUTE 108, HIGHLAND, 20777 PHONE 410 442 5937 fax 410 925-6012 mobile
301 854 2608 4895227

PROPERTY LOCATION: 5 ACRES FRONTING 200 FT WEST SIDE OF RT 97 APPROX.
1/2 MILES NORTH OF MONTG. CO. LINE

SUBDIVISION _____ LOT NO. _____

ROAD AND DESCRIPTION (4534 Roxbury Road)

TAX MAP 27 PARCEL # 11A PARCEL #5

SIZE OF LOT 5 AC TYPE BLDG. SFD - 3 Bm
(SINGLE FAMILY DWELLING OR COMMERCIAL)

BLDG. PERMIT SIGNED

AND RETURNED 10/22/96

Serial # BRO 102066

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. Wm Swann 8/16/96
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING HOLD FOR PLAT - PERC OK MR 9/9/96

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

A57077
COUNTY #

SOIL PROFILE

red
brn
cl lm

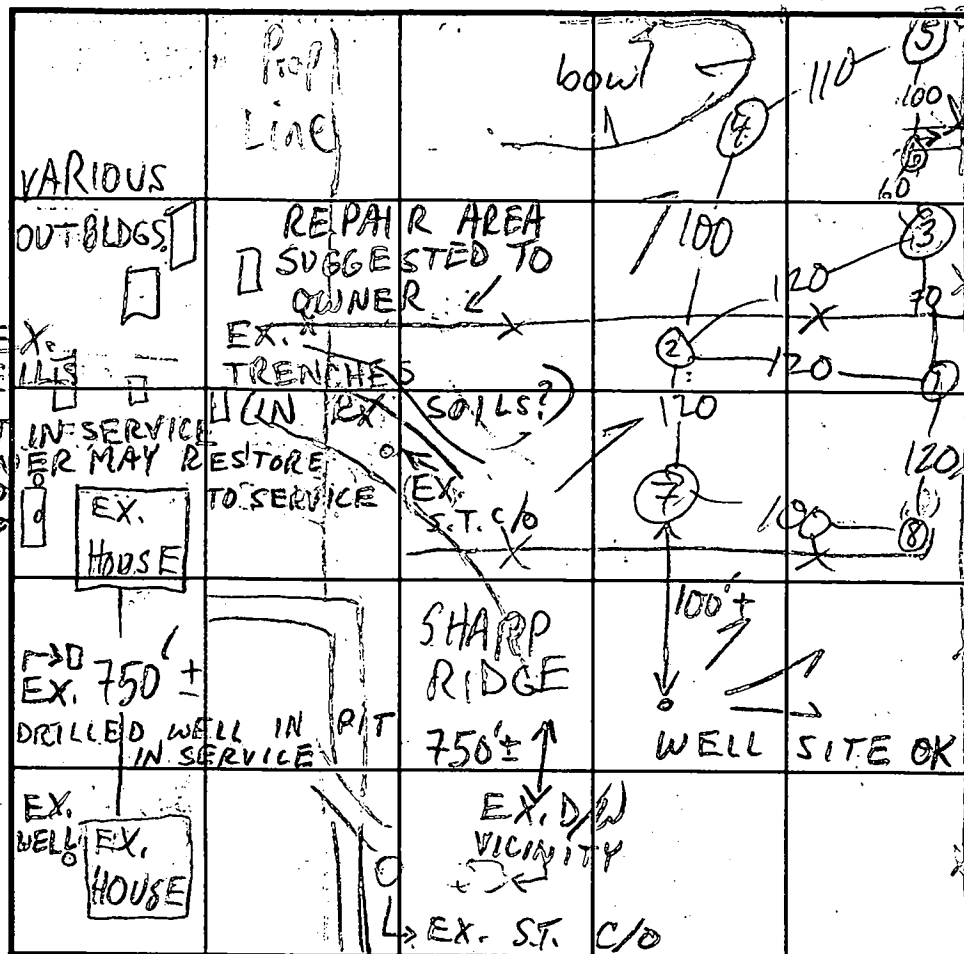
gray
tan brn
sand
35% frags
HARD BOT

71% red
cl m
+
sacl m

tan
red
brn
sacl m
25-30%
frags

orge brn
sacl m

brn tan
br orge
sacl m
10% frags
wh. streak
of silt @ 8'-9'
10' 9"



STAKE AT
PARK PROP
SOIL PROFILE
red brn
cl lm
small
swale

brn tan
yel
sacl m
10-20%
frags

red
cl
tan gray
sa
30-40%
frags
HARD

50%+
Rx
HARD

RT. 97

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9/4/96	1 S	4 1/2	11:14	11:28	4 1/8"	FAIL	
	1 V	9 1/2	HARD	BOT			
	2 S	6	11:37	11:38	11:38	11:40	2
	2 V	11' 8"	see profile				OK
	3 S	4 1/2 6' 3"	12:02 12:13	12:17	12:17	12:27	10
	3 V	11	see profile				OK
	4 S	6 1/2	12:40	12:47	12:47	1:07	20
	4 V	10' 9"	see profile				OK
	5 S	4 1/2 10' 9"	12:54 see profile	1:10	1:10	1:30	20 OK
	6 V	10' 9"	see profile				OK

REMARKS

TYPE OF SOIL

TESTED BY

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

INLET DEPTH

MAXIMUM BOTTOM DEPTH

ALSO PRESENT

TRENCH WIDTH

SQ. FT./BEDROOM

7 V 10 1/2 50%+ Rx FALL

8 V 8 1/2 HARD BOT FAIL

M. Ripkin

Owner, D. Swann, B. Swann

2-3-4-5-6 13 min

3

5 7 210

C17840

SEQUENCE NO.
(MDE USE ONLY)

STATE OF MARYLAND
WELL COMPLETION REPORT
FILL IN THIS FORM COMPLETELY
PLEASE PRINT OR TYPE

THIS REPORT MUST BE SUBMITTED WITHIN
45 DAYS AFTER WELL IS COMPLETED.

COUNTY
NUMBERA57077

ST/CO, USE ONLY
DATE RECEIVED
10/1/96

DATE WELL COMPLETED
100797

Depth of Well
2224026
(TO NEAREST FOOT)

PERMIT NO.
FROM "PERMIT TO DRILL WELL"
40-94-0932

OWNER
last nameSiron

first nameWilliam

STREET OR RFD
SUBDIVISIONSIRON PROP RT-97

TOWNGlenwood

SECTION

LOTMap 27 Par 5

WELL LOG

Not required for driven wells

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

DESCRIPTION (Use additional sheets if needed)	FEET		check if water bearing
	FROM	TO	
Brown Shale	0	24	
Blue Rock	24	240	✓

GROUTING RECORD

WELL HAS BEEN GROUTED
(Circle Appropriate Box)

TYPE OF GROUTING MATERIAL (Circle one)

CEMENTCMBENTONITE CLAYBC

NO. OF BAGS8NO. OF POUNDS152

GALLONS OF WATER48

DEPTH OF GROUT SEAL (to nearest foot)

from0ft. to25ft.

TOP52BOTTOM58

(enter 0 if from surface)

CASING RECORD

casing
types
insert
appropriate
code
below

STEELSTCONCRETECO

PLASTICPLOTHERO

MAIN
CASING
TYPE

Nominal diameter
top (main) casing
(nearest inch)!

Total depth
of main casing
(nearest foot)

St628

606163646670

OTHER CASING (if used)

EACH
CASING

diameter
inch

depth (feet)
fromto

SCREEN RECORD

screen type
or open hole

insert
appropriate
code
below

STEELSTBRASSBRONZEBR

PLASTICPLOTHERO

OPEN
HOLE

NUMBER OF UNSUCCESSFUL WELLS:0

WELL HYDROFRACTURED

yesYnoN

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, AND THAT THE INFORMATION PRESENTED
HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY
KNOWLEDGE.

TYPE: MWD/MSD/MGD

DRILLERS LIC. NO.24

DRILLERS SIGNATURE

(MUST MATCH SIGNATURE ON APPLICATION)

Joseph L Mayne

LIC. NO.

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

DEPTH (nearest ft.)

12

34

56

78

100

122

144

166

188

210

232

254

276

298

320

342

364

386

408

430

452

474

496

518

540

562

584

606

628

650

672

694

716

738

760

782

804

826

848

870

892

914

936

958

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10000

GRAVEL PACK

IF WELL DRILLED WAS
FLOWING WELL INSERT
F IN BOX 68

68

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

747576

7072

TELESCOPE
CASING

LOG
INDICATOR

OTHER DATA

C3

PUMPING TEST

HOURS PUMPED (nearest hour)3

PUMPING RATE (gal. per min.)12

METHOD USED TO
MEASURE PUMPING RATEBucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING62ft.

WHEN PUMPING98ft.

TYPE OF PUMP USED (for test)

AairPpistonTturbine

CcentrifugalRrotaryOother
(describe below)

JjetSsubmersible

PUMP INSTALLED

DRILLER WILL INSTALL PUMP
(CIRCLE) (YES or 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)

PUMP HORSE POWER

PUMP COLUMN LENGTH
(nearest ft.)

CASING HEIGHT (circle appropriate box
and enter casing height)

LAND SURFACE

(nearest
foot)

LOCATION OF WELL ON LOT

SHOW PERMANENT STRUCTURE SUCH AS
BUILDING, SEPTIC TANKS, AND /OR
LANDMARKS AND INDICATE NOT LESS
THAN TWO DISTANCES
(MEASUREMENTS TO WELL)

40'

60'

8+97

WATER WELL ABANDONMENT-SEALING REPORT FORM

SUBMIT COPIES OF COMPLETED FORM TO:

- * COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address needed)
- * WELL OWNER
- * MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: 11 18 96 (month/day/year)

* PERMIT NUMBER OF ABANDONED WELL (if any)

* PERMIT NUMBER OF REPLACEMENT WELL

* PERSON ABANDONING WELL: DAVE SWANN

WELL DRILLERS LICENSE NUMBER: _____
CIRCLE: MWD/MSD/MGD

* OWNER'S NAME: SIRON

* WELL LOCATION:

COUNTY: HOWARD
NEAREST TOWN: ROXBURY
TAX MAP 7 BLOCK 1 PARCEL 6
SUBDIVISION: _____
SECTION: _____ LOT: _____

MARYLAND GRID COORDINATES

BOX NUMBER

E 703
N 514

* TYPE OF WELL BEING ABANDONED:

X DRILLED _____ JETTED
_____ BORED/AUGURED _____ HAND DUG
_____ OTHER (specify) _____

* USE CODE:

X DOMESTIC _____ MUNICIPAL/PUBLIC
_____ IRRIGATION _____ INDUSTRIAL
_____ TEST/OBSERVATION

* TYPE OF CASING:

X STEEL _____ PLASTIC
_____ CONCRETE _____ OTHER (specify) _____

* SIZE OF CASING: 6 INCHES IN DIAMETER

* DEPTH OF WELL: 50 FEET DEEP

* WAS ANY CASING REMOVED? YES _____ X NO
if yes, length removed, in feet: _____

* WAS CASING RIPPED OR PERFORATED? YES _____ X NO

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN

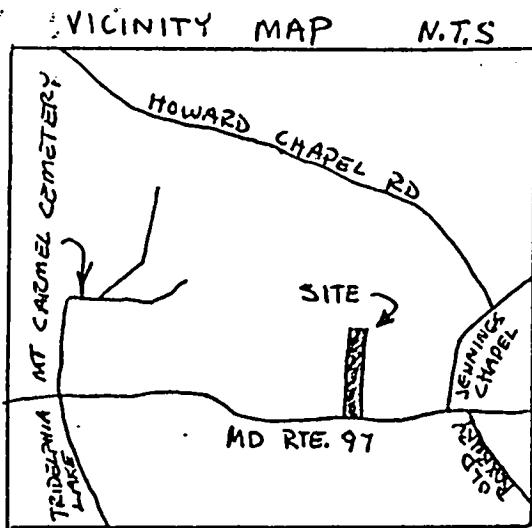
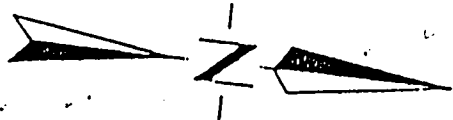
LICENSE #

MWD/MSD/MGD

CIRCLE ONE

DATE

DENV 828 JULY 1993



BSMT FLR 103.0
 FIRST FLR 112.0
 HOUSE INV OUT 101.0
 SEPTIC TANK
 INV IN 90.0
 INV OUT 89.5
 DISTRIBUTION BOX 77.5
 EX. GRADE D.B. 82.0
 INV IN
 TRENCH 77.0

10' PIPE PRIOR TO S.T.
 MUST BE AT 1-2% FALL;
 TOPSEAM SEPTIC TANK IF
 TANK NOT WITHIN 20'
 OF DRAINFIELD

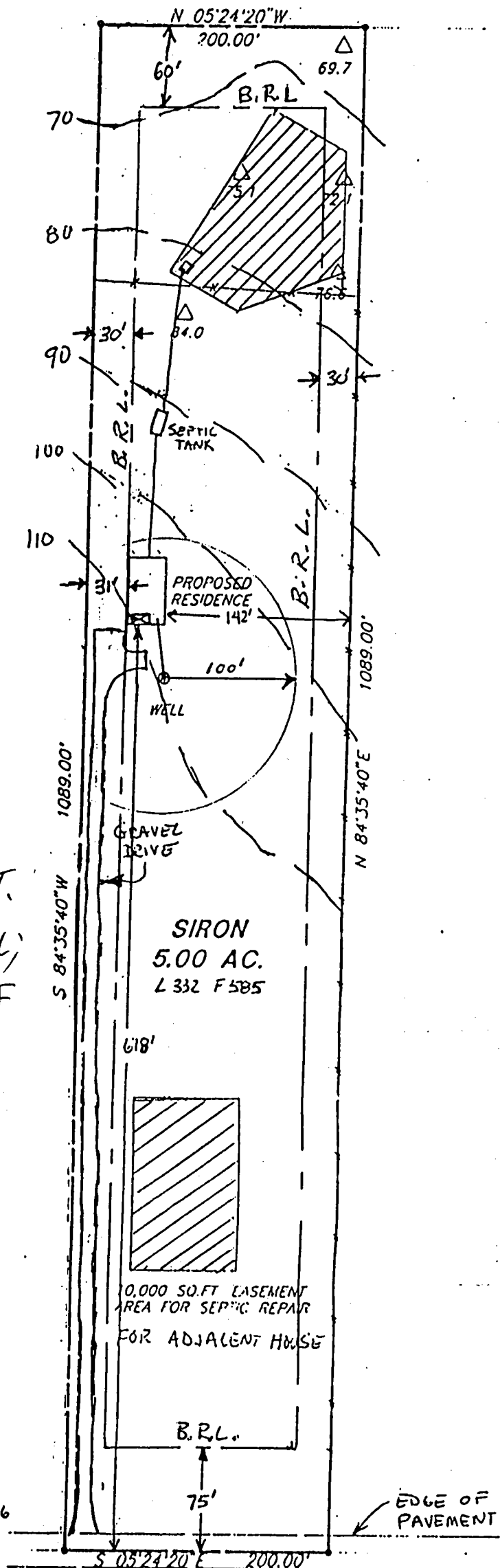
Approved Septic System Plan
 Howard County Health Department

Mark E. Rifkin 10/22/96
 Signature Date

PROPERTY OF
 WILLIAM AND NEALIE SIRON
 4TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

SCALE 1" = 100' OCTOBER 3, 1996

PLAN BY DAVE SWANN
 442-5937



8/16/96

TO: HOWARD COUNTY HEALTH DEPT

FROM: BILL SWANN 301 854 2608 FOR MR & MRS. ^{WM} SIRON (CUSTOMER)
RESIDING AT 4586 RT. 97, BROOKVILLE, MD.

RE: PERCOLATION TEST ^{FOR} ~~ADJACENT~~ 5 AC (332/585) WHICH
IS ADJACENT TO SIRON'S RESIDENCE (332/581)
AND USE OF EXISTING WELL ON 332/581

(OWNERS)

SIRON'S DESIRE TO BUILD MODULAR HOME
(3 BEDROOM RAMBLER) ON 332/585 WHICH IS
UNIMPROVED. THEY WOULD LIKE TO USE
FRESH WATER WELL ON HIS PRESENT RESIDENCE
(332/581) LOCATED IN FRONT OF HOUSE INDICATED
AS #9 ON "BUILDING SCHEDULE" OF PLAT LABELED
AS "EXHIBIT A".

THEY CURRENTLY RESIDE IN ONE OF TWO HOUSES
ON AN ADJACENT LOT. THE POTENTIAL FOR THE EXISTING
WELL TO SERVE THIS NEW-OFFSITE CONSTRUCTION AND POSSIBLY TO
CONTINUE SERVING SOME OTHER PURPOSE
WILL REQUIRE FURTHER EVALUATION.

CSW Wm Swann



HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer
September 9, 1996

Mr. and Mrs. William Siron
4586 Route 97
Brookeville, Maryland 20833

RE: Percolation Test Results
Application Number: A57077
Proposed Use: Recorded Lot
Property ID: Siron Property
Tax Map: 27 Parcel: 5

Dear Mr. and Mrs. Siron:

Percolation testing conducted September 4, 1996 on the above referenced property indicated limited satisfactory soil conditions. Although significant rocky soils were observed, better soils were located further downhill. Copies of the percolation test results are enclosed.

Further review is contingent upon submission by a registered engineer of a percolation certification plat showing actual locations and elevations of all excavated test holes and a suitable house and well sites. The plat should also include the location of all existing well 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 feet of property boundaries have been shown.

This is a unique proposal in that the intent is to replace an existing structure on to an adjoining property which is under common ownership. While these are separate parcels, there is still reason to be concerned with adequate resolution of the original structure's associated existing wells and septic system.

Please identify the location of each well and the septic system, and the proposed plans for each.

This plat should be submitted within sixty (60) days to allow field verification if necessary.

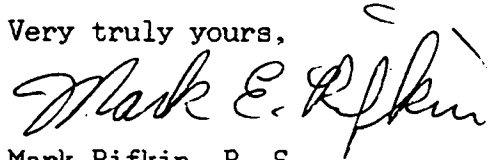
Mr. and Mrs. Williams Siron

- 2 -

September 9, 1996

If you have any questions regarding this matter, please contact me at the above address or by calling 313-2640.

Very truly yours,

A handwritten signature in cursive script, reading "Mark E. Rifkin". The signature is written in dark ink and is positioned above the printed name.

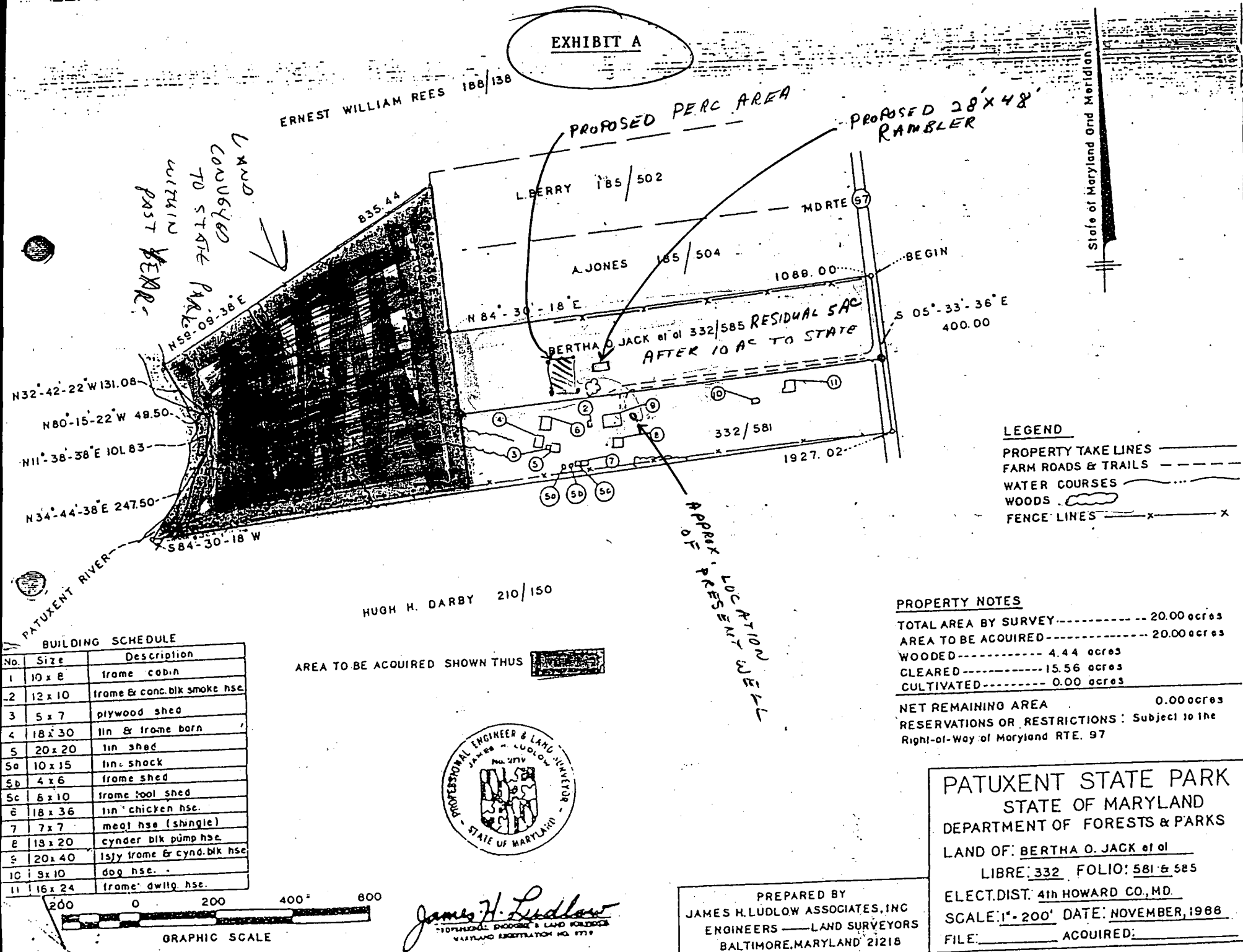
Mark Rifkin, R. S.
Water and Sewerage Program

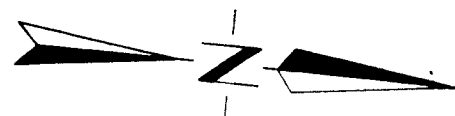
MR:jr

Enclosures

cc: Bill Swamn
File✓

EXHIBIT A





SWALE IN THIS
AREA NOT SHOWN
BY TOPO.

2 WELLS AB 11/18/96
EX. SEPTIC AB 6/13/97
MR

• TWO EXISTING WELLS
TO BE ABANDONED

• EXISTING RESIDENCE #4586
TO REMAIN FOR NON-
RESIDENTIAL USE - NO
SANITARY SERVICE

EX WELL TO
REMAIN IN
SERVICE FOR
EXISTING
STRUCTURE

SIRON

SIRON
5.00 AC.

WELL INSIDE
HOUSE
1.5' DIA. E

10,000 SQ. FT. EASEMENT
AREA FOR SEPTIC REPAIR
FOR ADJACENT HOUSE

EDGE OF PAVEMENT

WESTMINSTER ROAD

- △ 95.2 - PERC HOLE LOCATION & ELEVATION
(PASSED HOLE)
- ▲ 92.7 - PERC HOLE LOCATION & ELEVATION
(FAILED HOLE)
- - 10,000 SQ. FT. PERC AREA

NOTES:

- 1) TOPOGRAPHY SHOWN HEREON IS FIELD RUN BY LAVELLE & ASSOCIATES, INC., AND IS BASED UPON ASSUMED DATUM.
- 2) ALL VISIBLE WELLS AND SEPTIC SYSTEMS WITHIN 100' OF THE PROPERTY BOUNDARIES HAVE BEEN SHOWN.
- 3) CURRENT OWNERS: WILLIAM & NEALIE SIRON, 4586 RT. 97, BROOKVILLE, MD, 20833
- 4) THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT AS REQUIRED BY MD 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 BECOME NULL & VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

INTENT OF THIS DOCUMENT

- A - ESTABLISH A NEW WELL AND PERC AREA FOR NEW RESIDENCE.
- B - CREATE A SEPTIC EASEMENT FOR THE OLD HOUSE IN THE FRONT OF THE SOUTHERLY ADJOINING LOT PRIOR TO NEW RESIDENCE U & O.
- C - SEQUENCE OF CONSTRUCTION
1. DRILL WELL FOR NEW RESIDENCE
 2. OBTAIN BUILDING PERMIT FOR NEW RESIDENCE
 3. ABANDON 2 OLD WELLS THAT ARE NOT IN SERVICE PRIOR TO U & O
 4. ABANDON OLD SEPTIC SYSTEM W/IN 60 DAYS AFTER U & O
 5. DISCONNECT FRESH WATER LINES IN EXISTING HOUSE, BUT ALLOW LINES TO FURNACE AND ONE OUTSIDE HOSE SPIGOT TO REMAIN.



APPROVED FOR PRIVATE WATER AND PRIVATE
SEWAGE SYSTEMS. HOWARD COUNTY HEALTH DEPARTMENT

John M. Boyd, M.D., F.S. 10-3-96
COUNTY HEALTH OFFICER M.R. DATE

SIGNED #2
COPY

MODIFICATIONS MADE BY: DAVE SWANN, Builder 410-442-5937

PERCOLATION CERTIFICATION PLAT
ON THE REMAINING PROPERTY OF
WILLIAM LYLE SIRON, ET AL
4th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE: 1" = 100'

DATE: SEPTEMBER 23, 1996

LAVELLE & ASSOCIATES
INCORPORATED
ENGINEERS • PLANNERS • SURVEYORS

336 EAST SECOND STREET • FREDERICK, MARYLAND 21701
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