2/16/00 12:30-1:00

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 513157

A 511538

DISTRICT

DATE 12/3/1999

RPS# 311805

INDEXED

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
XXXXXXX 410-313-2640

DATE SYSTEM APPROVED 2/16/00

INSPECTOR S.R.K.

Global Equipment IS PERMITTED TO INSTALL X ALTER

ADDRESS P.O. Box 3595, Frederick, Maryland 21705 PHONE 301-261-4885

SUBDIVISION Rosewag Property LOT ROAD 12737 Triadelphia Road

PROPERTY OWNER Frank & Julie Collen

ADDRESS

SEPTIC TANK CAPACITY 1250 GALLONS

SLDG. PERMIT SIGNED AND RETURNED 5/4/00

B0012 3697 LP Fund

NUMBER OF BEDROOMS 4

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 280

TRENCHES - Trench to be 3 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 5.5 feet below original grade. Effective area begins at 3.5 feet below original grade. 2.0 feet of stone below distribution pipe.

LOCATION - Beginning from the intersection of the 199.02' and 260.77' lot lines, begin trenches 215 feet down the 260.77' lot line and 80 feet off that same lot line. Run trenches on contour in both directions.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 8/9/99 DKS

PLANS APROVED BY Amy McMillen DATE 7-29-1999

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

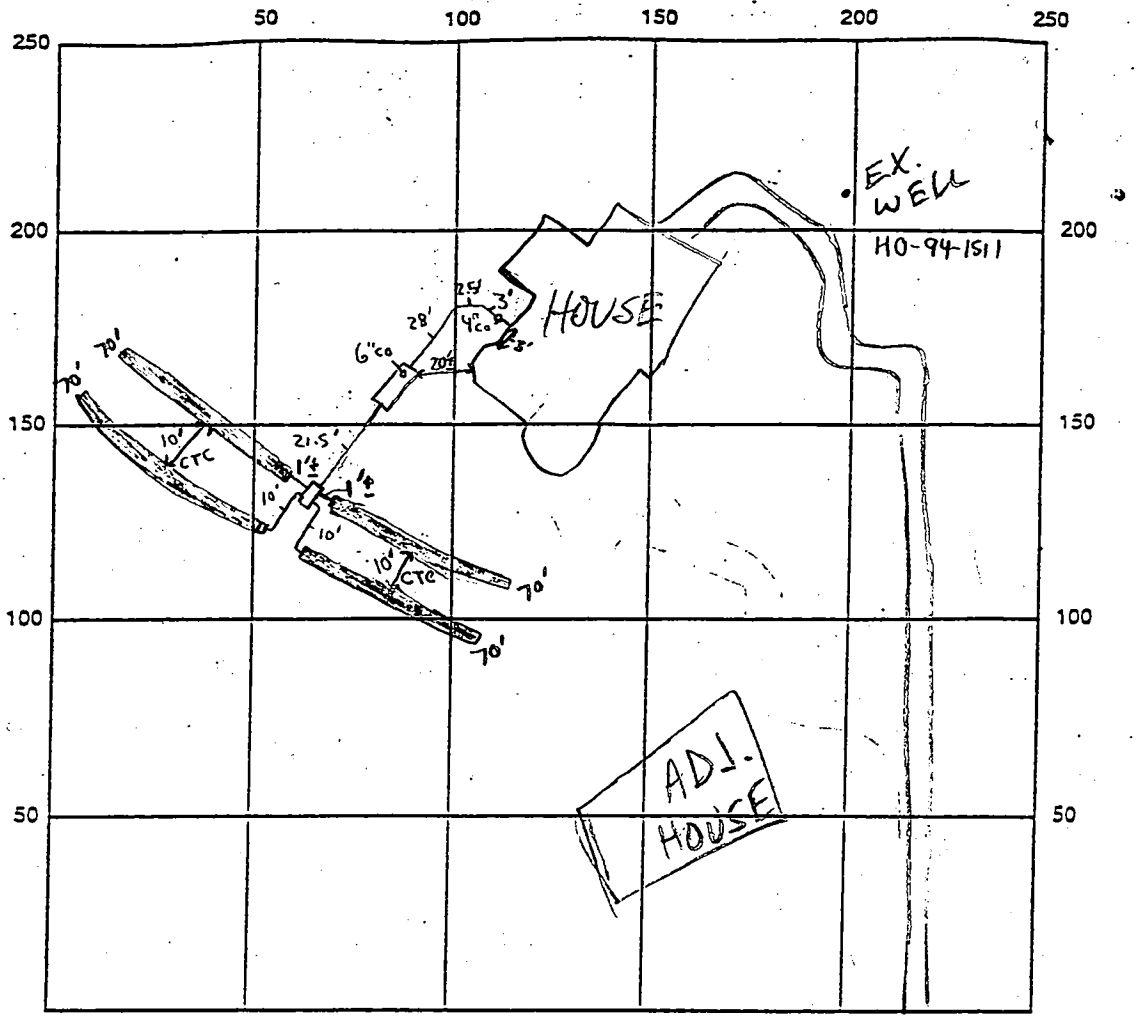
*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

HD-260(6-90)

511538

NOT TO SCALE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

TRIA. ROAD

SEPTIC TANK LEVEL 1500 GAL TOP-SEAMED. Baffle IN CLEANOUTS 4" at house, 6" at Septic Tank

DISTRIBUTION BOX LEVEL ✓ Baffle is in

DRAIN FIELD/~~TITLE~~ TILE DEPTH 5.5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 3.5 FT. 3.5

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 280 FT.

NUMBER OF TRENCHES 4 ONE SIDEWALL/~~BOTTOM AREA~~ 840 SQ. FT.

~~DRYWALL~~ DRYWELL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA — SQ. FT.

REMARKS: 2/15/00 OK TO COVER S.T., INSTALL TRENCHES 10' CTR-TO-CTR, CONTINUE (MR)
2/16/00 - OK TO COVER ALL WORK (SRK)

DATE SYSTEM APPROVED 2/16/00 INSPECTOR Steven R. Krieg

APPLICATION

A 36573

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P. O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

DISTRICT _____

DATE 2/10/86

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 Thomas F. Rosewag

ADDRESS 12755 Triadelphia Rd., Ellicott City, Md. 21043 PHONE 988-9792

PROPERTY LOCATION: MAP 22 P226

SUBDIVISION Wayside Estates LOT NO. B4

ROAD AND DESCRIPTION 12755 ~~69~~ Triadelphia Rd.

SIZE OF LOT 3 acres TYPE BLDG. 3+04
(NUMBER OF BEDROOMS)

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. Thomas F. Rosewag
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS 7/29/99 B00119562 SFD-4 BRMS DATE _____

REASONS FOR REJECTION OR HOLDING _____

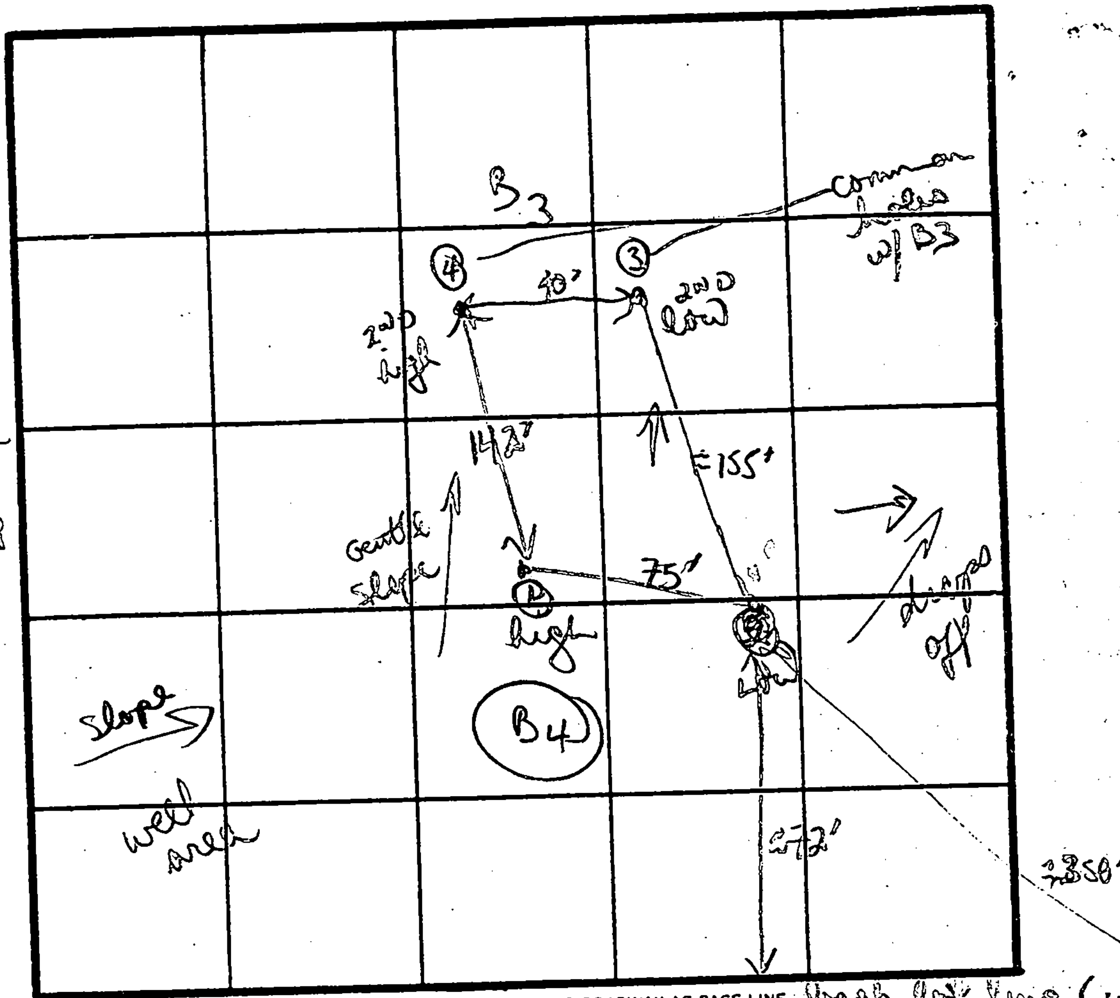
THIS IS NOT A PERMIT

SOIL PROFILE (P)

0'

Brown/red sandy clay loam
3½' — med/coarse grain silty sandy mica loam
≈5% 2-4" frags of saprolite

12'D



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE. back lot line (wire fence)

2

Brown sandy/mica clay loam
3½' — med grain silty sand (heavy mica) loam uniform to bottom

12½'D

DATE	TEST NO.	DEPTH	PRE-WET START	PRE-WET STOP	TEST - 1" DROP START	TEST - 1" DROP STOP	TIME
2/26/86	(1)	3½S	2⁰⁶	2¹³	2¹³	2²⁴	11 MIN
		8½'M	2⁰⁵	2¹³	2¹³	2²⁶	13 MIN
		12'D	bottom (see profile)				
	(2)	3½S	2⁰⁷	2¹²	2¹²	2¹⁸	6 min
		12½D	bottom (see profile)				
	(3)						
	(4)	common - see	B3 for times				

appr 2/26/86 (Jon)

REMARKS uniform soils for all holes tested

TYPE OF SOIL sandy clay loams 3-4'; silty micaceous loams below

TESTED BY B. Nelson ALSO PRESENT owner, Alan W.

EH-12-1079

HOWARD COUNTY HEALTH DEPARTMENT
Bureau of Environmental Health
3525-H Ellicott Mills Drive
Ellicott City, MD 21043
461-0933

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation X
Replacement ___

Receipt # ___
Date ___

Name of Installer All Around Plumbing, Inc. Telephone 301-829-6745

License Number 18121
Certified Well Pump Installer ___ Well Driller ___ Registered Plumber X 410 531-0998

Name of Property Owner Frank Collen Telephone ~~410 531 1001~~
Subdivision ___ Lot # ___ Well Tag # HO-94-1511
Site Address 12731 Triadelphia Rd Ellicott City

Pump
1. Type
   a. Deep well jet ___
   b. Shallow well jet ___
   c. Submersible X
2. Make Goulds
3. Model # ___
4. Capacity 10 GPM
5. Pump exceeds well capacity Yes ___ No X
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 X Cable guards X Other ___

Motor
1. Horsepower 1
2. RPM 3750
3. Voltage ___
   a. 110 ___
   b. 220 X

Pitless Adapter
1. Make ___
2. Model # B 20K
3. Depth 4'

Tank
1. Capacity V140
2. Pressure relief valve? YES

Piping
1. Type PE
2. Size 1"
3. NSF and/or BOCA Code approved yes
4. Depth of supply line 180'

Well data
1. Depth 200 ft.
2. Yield 10 GPM
3. Static water level 50 ft.
4. Will water supply be disinfected by installer? YES

2/24/00 Arrived at 12:30. Already covered, late for A.M. inspection.
Cap O.K. HO-94-1511 BB

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).

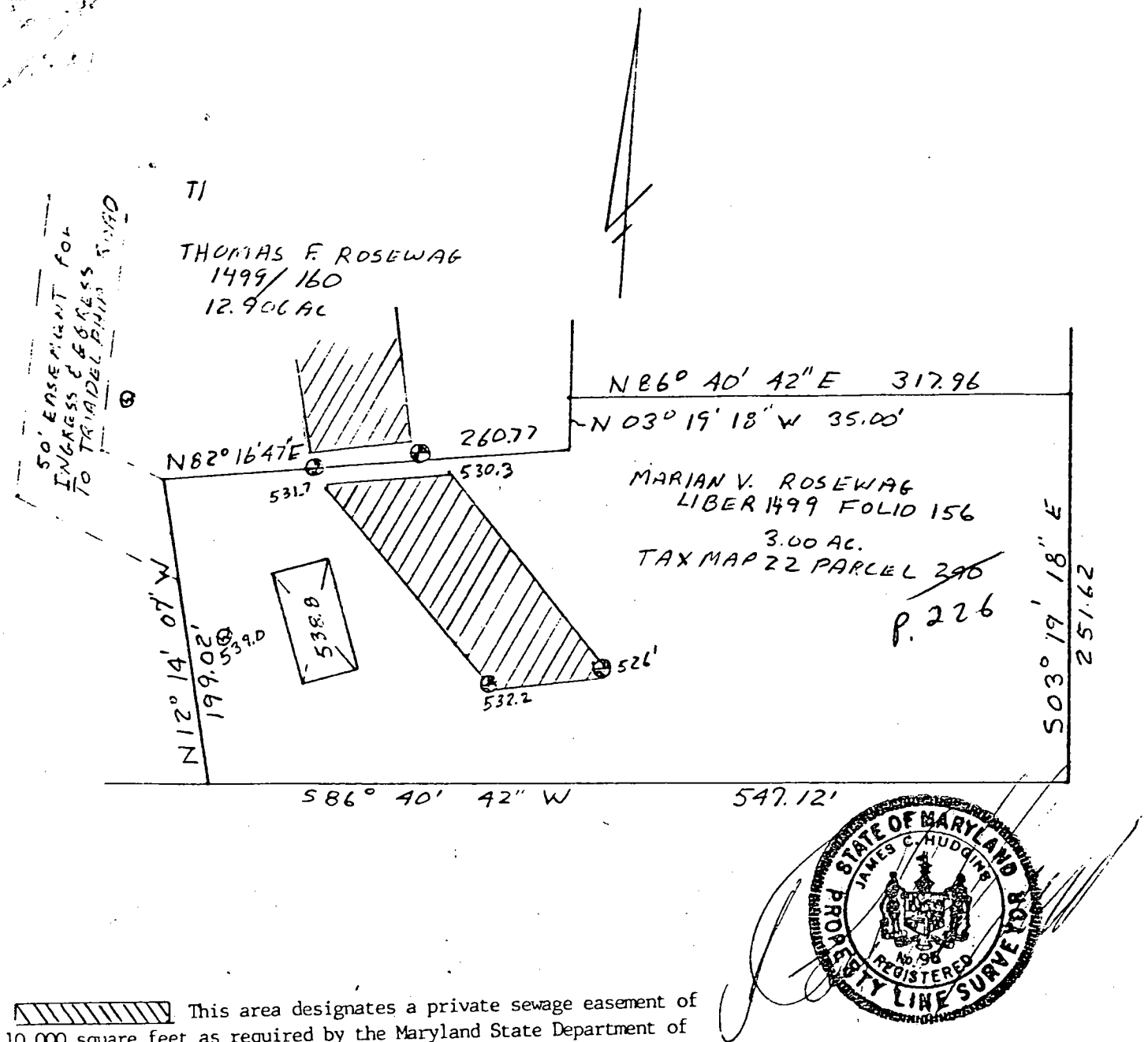
All information given above is true to the best of my knowledge.

Signature of Applicant: [signature]

Date: 2-17-00

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

HD-215



STATE OF MARYLAND
JAMES C. HUDGINS
No. 98
REGISTERED
PROPERTY LINE SURVEYOR

This area designates a private sewage easement of 10,000 square feet as required by the Maryland State Department of Health and Mental Hygiene for individual sewage disposal. Improvements of any nature in this area are restricted until public sewage is available. These easements shall become null and 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.

Percolation test holes shown hereon have been field located and shown as "⊕".

The lots shown hereon comply with the minimum ownership width and lot areas as required by the Maryland State Department of Health and Mental Hygiene.

Percolation areas and water wells for adjoining lots have been shown where pertinent.

APPROVED: For Private Water and Private Sewage Systems

cw Joyce M. Boyd per F.S. 8/26/86
County Health Officer Date

PERCOLATION TEST PLAT

PROPERTY OF

MARIAN V. ROSEWAG

TAX MAP #22 PARCEL ~~240~~ 226

3rd Election District
Howard County, Maryland
Scale 1"=100'
Date 7/28/86

NTT Associates, Inc.
16205 Old Frederick Road
Mt. Airy, MD 21771
(301) 442-2031

APPLICATION

PERCOLATION TESTING

A 511538

P _____

4/26/99
Proposed adjustment to recorded sewage disposal easement

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

DISTRICT _____

DATE 4/23/99

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 Frank + Julie Collen

ADDRESS 9685 Basket Ring Rd #1, Columbia MD 21045 ~~12737 Tridelphia Road~~ PHONE 410-740-7201

AGENT OR PROSPECTIVE BUYER Mark Folsom

ADDRESS 724 Cheshire Crossing Way Woodbine, MD 21797 PHONE 301 854-5215

PROPERTY LOCATION:

SUBDIVISION Marian Rosewag Property LOT NO. _____

ROAD AND DESCRIPTION 12737 Tridelphia Road, Glenelg MD

TAX MAP 22 PARCEL # 240

SIZE OF LOT 2.99 acres TYPE BLDG. Single family
(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. Julie A. Collen Frank C Collen
(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

HD-216 (3/92)

COUNTY #

SOIL PROFILE

A

0'

yellow brn silt lm

1.0

pink si salm 10% mica saprolite

10.0

brn salm 15-20% grey mica saprolite

11.0

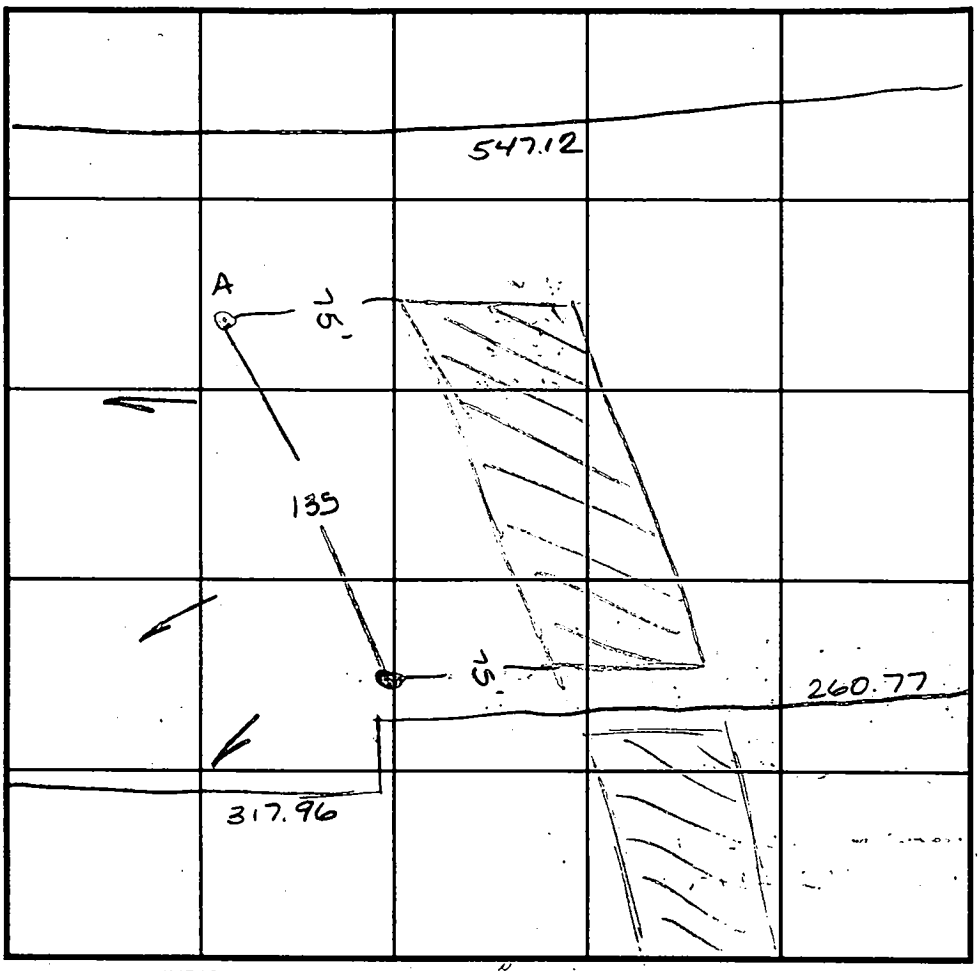
B

yellow brn silt lm

2.0

dark red si salm micaceous 15% shale

13.0



SOIL PROFILE

0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET START	PRE-WET STOP	TEST - 1" DROP START	TEST - 1" DROP STOP	TIME
6-7-99	A	Visual	to 11.0	- sec	profile	—	ok
	B	Visual	to 12.0	- sec	profile	—	ok

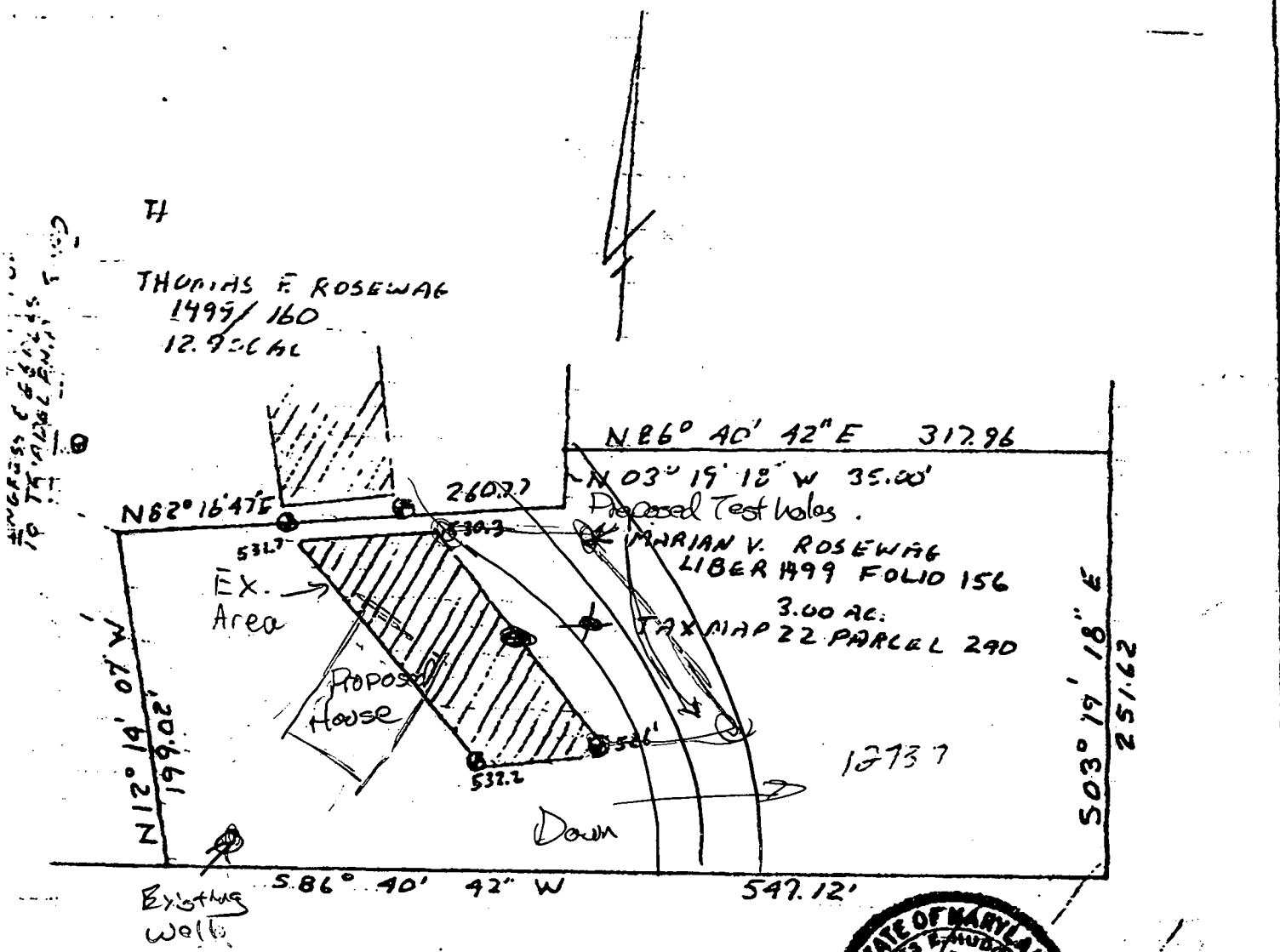
REMARKS

TYPE OF SOIL

TESTED BY Amy McMilken ALSO PRESENT

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 10 min TRENCH WIDTH 2.0

INLET DEPTH 2.0 MAXIMUM BOTTOM DEPTH 6.0 SQ. FT/BEDROOM 210



This area designates a private sewage easement of square feet as required by the Maryland State Department of and Mental Hygiene for individual sewage disposal. Improve- of any nature in this area are restricted until public sewage ilable. These easements shall become null and void upon con- n to a public sewage system. The County Health Officer shall he authority to grant variances for encroachments into the e sewage easement. Recordation of a modified sewage easement not be necessary.

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ts shown hereon comply with the minimum ownership width and eas as required by the Maryland State Department of Health ntal Hygiene.

ation areas and water wells for adjoining lots have been where pertinent.

PERCOLATION TEST PLAT

PROPERTY OF

MARIAN V. ROSEWAG

TAX MAP #22 PARCEL 240

3rd Election District
Howard County, Maryland
Scale 1"=100'
Date 7/28/86

WAYSIDE MANOR
PLAT 7076
LOT 3

EX. ELEC. TRANSFORMER
EX. 5'x5' TELE. PAD

PERC

SEPTIC AREA

PROPOSED HOUSE

℄ PROPOSED DRIVE

℄ EX. DRIVE (EARTH & GRAVEL)

EX. WELL
100'

WAYSIDE MANOR
PLAT 7076
LOT 2

WAYSIDE MANOR
PLAT 7076
LOT 8

CgB2

MgB2

GlC2

Revised Perc Cert.
Signed by HD 6/29/99

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21042
(410) 461 - 2855

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

Sam Lee Baker
COUNTY HEALTH OFFICER

6/29/99
DATE

PROJECT No.: 61382 PERC CERT PLAN.DWG

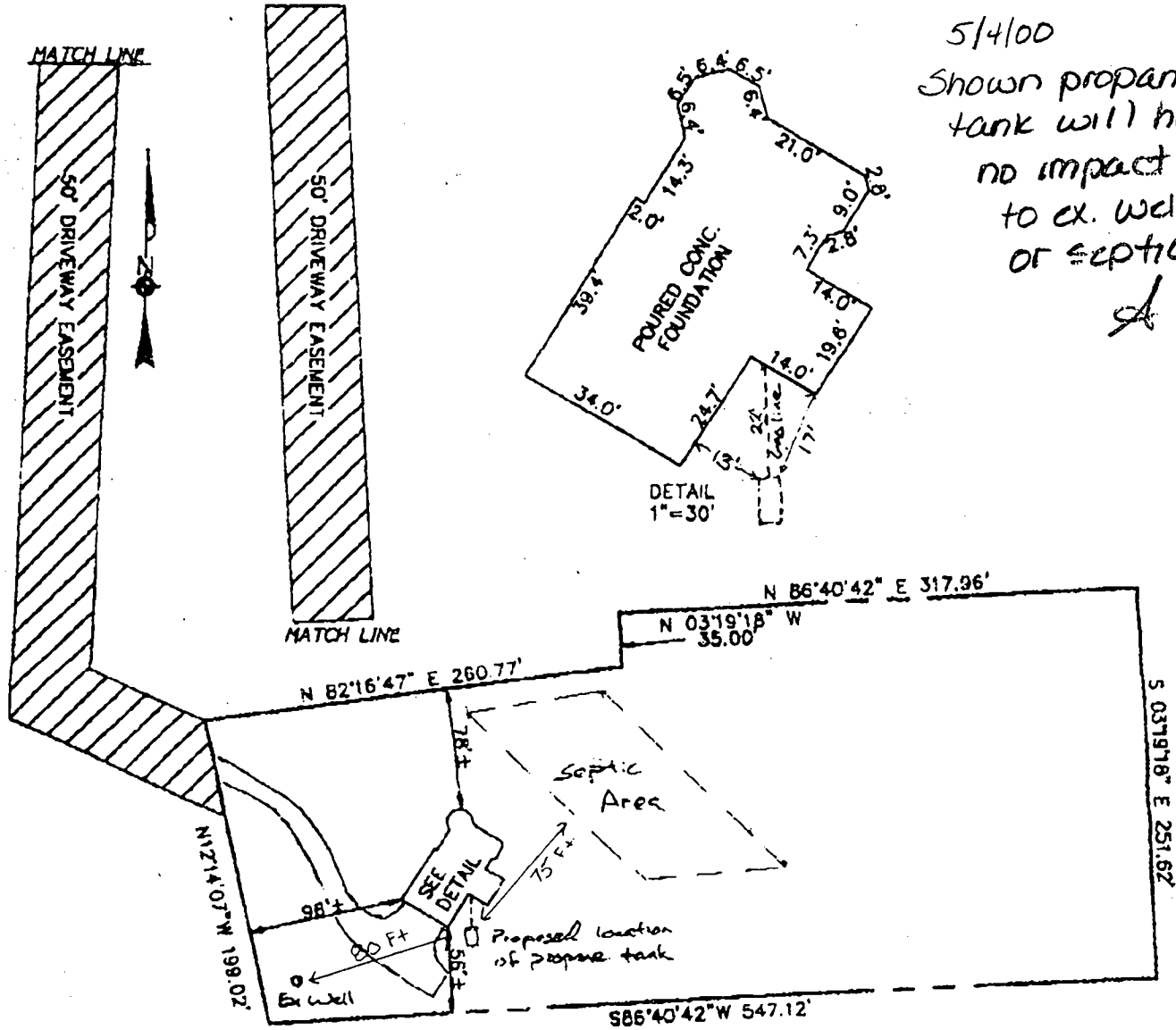
GENERAL NOTES:

1) THIS PLAT IS PREPARED FOR THE BENEFIT OF THE CLIENT SIGNING THE HOUSE LOCATION SURVEY APPROVAL FORM INSOFAR AS IT IS REQUIRED BY A LENDER OR TITLE INSURANCE COMPANY OR ITS AGENTS IN CONNECTION WITH THE CONTEMPLATED TRANSFER, FINANCING OR RE-FINANCING. UNLESS INDICATED AS BEING A BOUNDARY SURVEY, THIS PLAT IS NOT INTENDED FOR USE IN THE ESTABLISHMENT OF PROPERTY LINES AND IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATIONS OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE IMPROVEMENTS. AS A RESULT, THIS PLAT DOES NOT PROVIDE FOR ACCURATE IDENTIFICATION OF PROPERTY LINE, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING OR RE-FINANCING.

2) SUBJECT PROPERTY IS SHOWN IN ZONE C ON THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP OF HOWARD COUNTY, MARYLAND, COMMUNITY PANEL No. 240044 0021 B EFFECTIVE DATE: DEC. 4, 1986.

3) THE OFFSETS FROM BUILDING LINE TO PROPERTY LINE AS SHOWN ON THE PLAT HEREON ARE TO AN ACCURACY OF 1' PLUS OR MINUS (±).

TRIADELPHIA ROAD



5/4/00
Shown propane tank will have no impact to ex. well or septic

Install (1) ~~1000~~ 500 Gallon ASME UNDERGROUND LP TANK per NFPA 58

PARCEL 240
3rd ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
DEED REF. LIBER 1499 FOLIO 156

TOP OF FOUNDATION ELEV.=100.4'± SCALE 1"=100'

WAYSIDE MANOR
PLAT 7076
LOT 3

EX. FENCE

N86° 40' 42" E, 317.26'

N03° 13' 18" W 35.00'

N 62° 16' 47" E, 260.77'

EX. ELEC. TRANSFORMER

EX. 5'x5' TELE. PAD

PERC

78'

TRENCH

SEPTIC AREA

DISTRIBUTION BOX

SILT FENCE

SF

L.O.D.

SEPTIC TANK

PERC

N 12° 14' 07" W 20.21'

℄ PROPOSED DRIVE

F.F. 100.00
B.E. 91.00

BAR

℄ EX. DRIVE (EARTH & GRAVEL)

EX. WELL

100' R.

155'

S86° 40' 42" W 547.12'

WAYSIDE ESTATES
PLAT 3773
LOT 8

Approved Septic System Plan
Howard County Health Department

Amy McMillen 7/29/99

Total linear feet of trench required 280 feet

Width of trench(es) 3 feet

Depth of trench(es) 5.5 feet

Depth of stone required below distribution pipe 2 feet

GENERAL NOTES

1. SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT
2. No.
3. PROPOSED 1500 GALLON SEPTIC TANK.
   A. FIRST FLOOR ELEVATION: 100.00
   B. BASEMENT ELEVATION: 91.00
   C. INVERT OF SEPTIC SYSTEM AT HOUSE: 86.10
   D. INVERT IN AT SEPTIC TANK: 92.30
   E. INVERT OUT AT SEPTIC TANK: 89.00
   F. PROPOSED GRADE OVER SEPTIC TANK: 88.20
   G. INVERT AT DISTRIBUTION BOX: 84.10
   H. EXISTING GROUND OVER DISTRIBUTION BOX: 88.0
4. LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
5. CONTRACTOR / BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE [redacted] ANY CONSTRUCTION.
6. THERE IS NO BASEMENT SERVICE TO SEPTIC SYSTEM

C 1 | 05062 — SEQUENCE NO. (MDE USE ONLY)

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

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 NUMBER 13 - A36513

ST/CO USE ONLY
DATE Received MM 5 DD 18 YY 98

DATE WELL COMPLETED MM 5 DD 6 YY 98

Depth of Well 340 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-1511

OWNER COLLEN (last name) FRANK (first name)

STREET OR RFD TRIADELPH RD TOWN WEST FRIENDSHIP

SUBDIVISION MARIAN ROSEWAG PROPERTY SECTION MAP 22 GRID 11 P 226 LOT

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 FROM	FEET TO	check if water bearing
Sand	0	66	
Gray Mica Rock	66	340	v

Dry well 440' filled in with Cement + drilling materials.

NUMBER OF UNSUCCESSFUL WELLS: 1

WELL HYDROFRACTURED: yes / (no) 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, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS LIC. NO.: MSD024
Joseph L Mayne
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO.: MSD021
Joseph Mayne
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

GROUTING RECORD
WELL HAS BEEN GROUTED (Circle Appropriate Box): yes (Y) / no (N)

TYPE OF GROUTING MATERIAL (Circle one)
CEMENT (CM) BENTONITE CLAY (BC)

NO. OF BAGS 20 NO. OF POUNDS 1880

GALLONS OF WATER 120

DEPTH OF GROUT SEAL (to nearest foot)
from 0 ft. TOP to 65' ft. BOTTOM (enter 0 if from surface)

CASING RECORD
casing types insert appropriate code below
- ST STEEL
- CO CONCRETE
- PL PLASTIC
- OT OTHER

MAIN CASING TYPE	Nominal diameter top (main) casing (nearest inch)!	Total depth of main casing (nearest foot)
ST	6	70

OTHER CASING (if used)

EACH CASING	diameter inch	depth (feet) from	to

SCREEN RECORD
screen type or open hole — insert appropriate code below
- ST STEEL
- BR BRASS / BRONZE
- HO OPEN HOLE
- PL PLASTIC
- OT OTHER

EACH SCREEN		DEPTH (nearest ft.)	
1	HO	68	340
2			
3			

SLOT SIZE 1 ____ 2 ____ 3 ____

DIAMETER OF SCREEN ____ (NEAREST INCH)

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.Q.

TELESCOPE CASING | LOG INDICATOR | OTHER DATA

PUMPING TEST
HOURS PUMPED (nearest hour) 6

PUMPING RATE (gal. per min.) 3

METHOD USED TO MEASURE PUMPING RATE Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING 40 ft.

WHEN PUMPING 240 ft.

TYPE OF PUMP USED (for test)
- A air
- P piston
- T turbine
- C centrifugal
- R rotary
- O other (describe below)
- J jet
- S submersible

PUMP INSTALLED
DRILLER WILL INSTALL PUMP (CIRCLE) (YES or NO): 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.

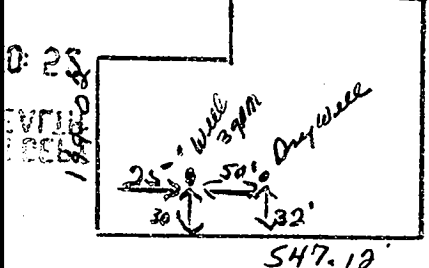
CAPACITY: GALLONS PER MINUTE (to nearest gallon)

PUMP HORSE POWER

PUMP COLUMN LENGTH (nearest ft.)

CASING HEIGHT (circle appropriate box and enter casing height)
(+) above / (−) below LAND SURFACE: 2 (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)



547.12

COUNTY

Page ____ of ____
Date 5/6/98

Review ok KM 5-20-98

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-1511
TAX MAP 22 GRID 11
Location of property (road) TRIADELPHIA RD
PARCEL 226
Subdivision M. ROSENAG PROPERTY Lot ____ Block ____ Plat ____ Sec. ____
Well Driller J. MAYNE Owner FRANK COLLEN - JULIE COLLEN

Depth of well 340'
Distance of measuring point (M.P.) above ground 1½
Static water level (S.W.L.) below M.P. 40'

I. High rate pumping -- reservoir drawdown

Time pump started 7:30 Pumping rate 15 gpm
Total time 30 min to reach pumping water level 240 ftl 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 5/ gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
7:45	140'	1 QT.	N/A	15 GPM
8:00	240	4		15
8:15	237	20		3
8:30	237	20		3
8:45	237	20		3
9:00	237	20		3
9:15	237	20		3
9:30	237	20		3
9:45	237	20		3
10:00	237	20		3
10:15	237	20		3
10:30	237	20		3
10:45	237	20		3
11:00	237	20		3
11:15	237	20		3
11:30	237	20		3
11:45	237	20		3
12:00	237	20		3
12:15	237	20		3
12:30	237	20		3
12:45	237	20		3
1:00	237	20		3
1:15	237	20		3
1:30	237	20		3
1:45	237	20		3
2:00	237	20		3

EMERGENCY/TEMP NO. IF ANY

B 1 | 9464 | SEQUENCE NO. (MDE USE ONLY)
1 2 3 6
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND
PERMIT TO DRILL WELL
please print or type

STATE PERMIT NUMBER
HO - 94 - 1511
70 79
fill in this form completely

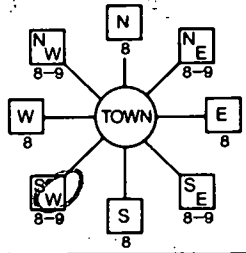
Date Received (APA)
8 MM DD YY 13

OWNER INFORMATION
Cohen (15 Last Name) Frank (Owner) First Name 34
13110 Clarton Drive (36 Street or RFD 55)
Laurel (57 Town) Md. (70 State) 20708 (72 Zip 76)

DRILLER INFORMATION
Joseph L. Magee (Driller's Name) MSD 24 (76 License No. 81)
Joseph L Magee Well Drilling (Firm Name)
5512 Ridge Rd. Mt. Airy, md. 21771 (Address)
Joseph L. Magee (Signature) 4/1/98 (Date)

B 3 — LOCATION OF WELL
Howard (8 COUNTY 21)
Marian V. Roseway Property (23 SUBDIVISION 42)
SECTION (44 46) LOT (48 50)
West Friendship (52 NEAREST TOWN 71)
MILES FROM TOWN (enter 0 if in town) 3 1/2 (73 76 77 78 M I)

B 4 (1 2)
DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



11 NEAR WHAT ROAD 30
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

34 1300 37 DISTANCE FROM ROAD
ENTER FT OR MI (38 39) FT

TAX MAP: 22 BLK: 11 PARCEL 240 226

B 2 — WELL INFORMATION (1 2)
APPROX. PUMPING RATE (GAL. PER MIN.) 5 (8 12)
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500 (14 20)

USE FOR WATER (CIRCLE APPROPRIATE BOX)
(H) HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
22 I INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
P PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE APPROVAL)
T TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

NOT TO BE FILLED IN BY DRILLER
HEALTH DEPARTMENT APPROVAL
HOWARD (COUNTY NAME) A36513 (COUNTY NO.)
STATE SIGNATURE _____ INSERT S → 41
DATE ISSUED 04 03 98 (43 MM DD YY 48) CO SIGNATURE EXP. DATE
NORTH GRID 524 000 (50 55) EAST GRID 0813 000 (57 63)

APPROXIMATE DEPTH OF WELL 300 FEET (24 28)
APPROXIMATE DIAMETER OF WELL 6 NEAREST INCH

METHOD OF DRILLING (circle one)
BORED (or Augered) JETTED Jetted & DRIVEN
30 AIR-ROTary AIR-PERcussion ROTARY (Hydraulic Rotary)
37 CABLE REVerse-ROTary DRive-POINT
other _____

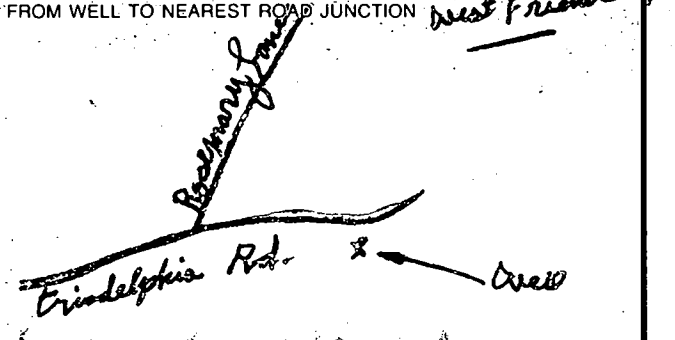
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
SOURCES OF DRILLING WATER
1. Well
2.
3.

5.6.98
Grout
9:30
missed
map

WRITE THE BOX NUMBER FROM THE MAP HERE
E 810 3
N 520 4
000
000

REPLACEMENT OR DEEPENED WELLS
(CIRCLE APPROPRIATE BOX)
(N) THIS WELL WILL NOT REPLACE AN EXISTING WELL
Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
39 S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
D THIS WELL WILL DEEPEN AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENED (IF AVAILABLE) 41 _____ 52

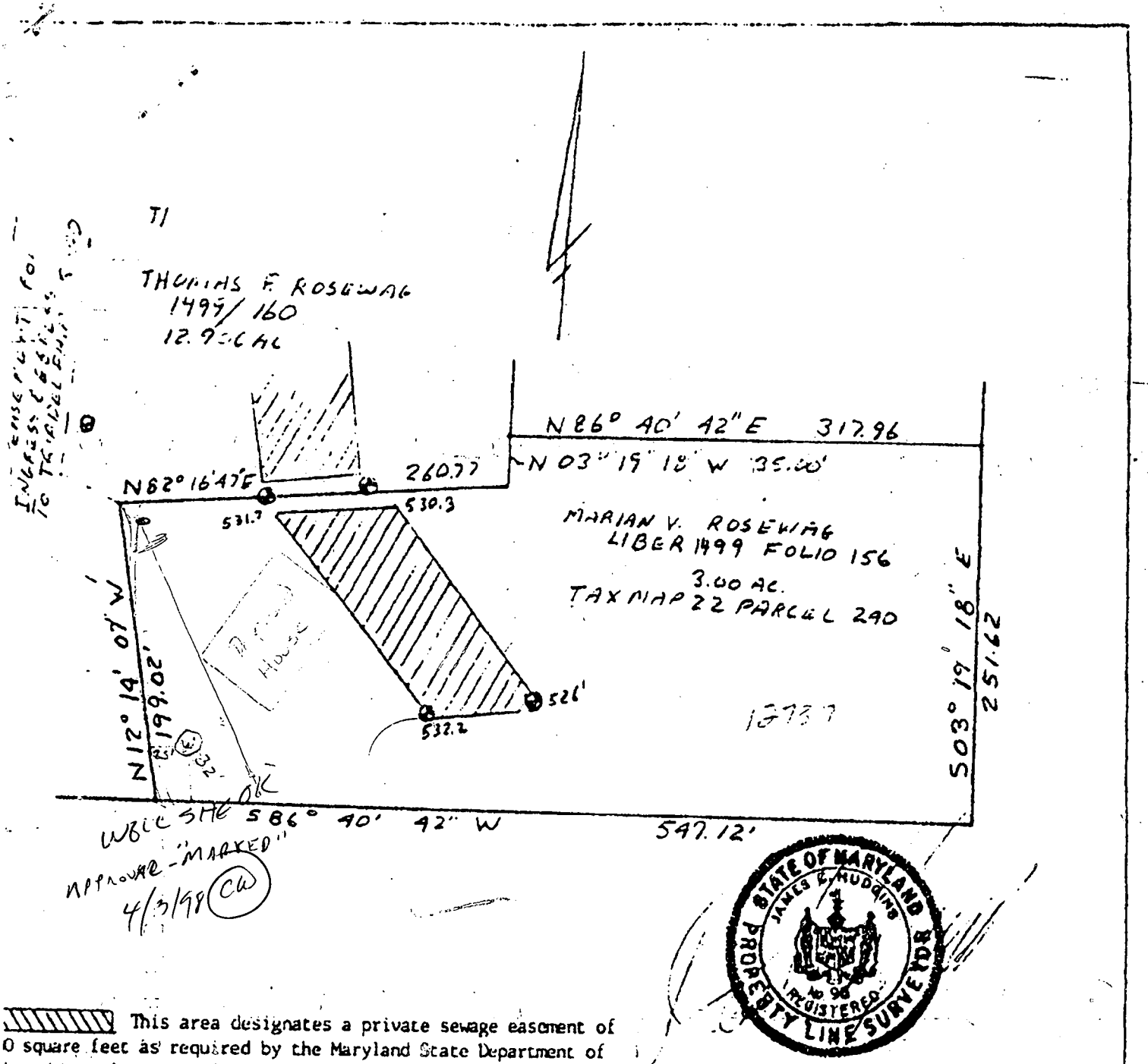
DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION



Not to be filled in by driller (MDE OR COUNTY USE ONLY)
APPROP. PERMIT NUMBER GAP (54 63)
FORCE (Cx) (67 68) WRITE INITIALS IN BOX PERMIT No. HO - 94 - 1511 (70 71 72 73 74 75 76 77 78 79)

SPECIAL CONDITIONS
NOTE -- APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

COUNTY



This area designates a private sewage easement of 0 square feet as required by the Maryland State Department of h and Mental Hygiene for individual sewage disposal. Improve- of any nature in this area are restricted until public sewage ailable. These easements shall become null and void upon con- on to a public sewage system. The County Health Officer shall the authority to grant variances for encroachments into the te sewage easement. Recordation of a modified sewage easement not be necessary.

lation test holes shown hereon have been field located and as "⊕".

ots shown hereon comply with the minimum ownership width and reas as required by the Maryland State Department of Health ental Hygiene.

lation areas and water wells for adjoining lots have been where pertinent.

VED: For Private Water and Private Sewage Systems

David W. Ward Jr. 8/26/86

PERCOLATION TEST PLAT

PROPERTY OF

MARIAN V. ROSEWAG

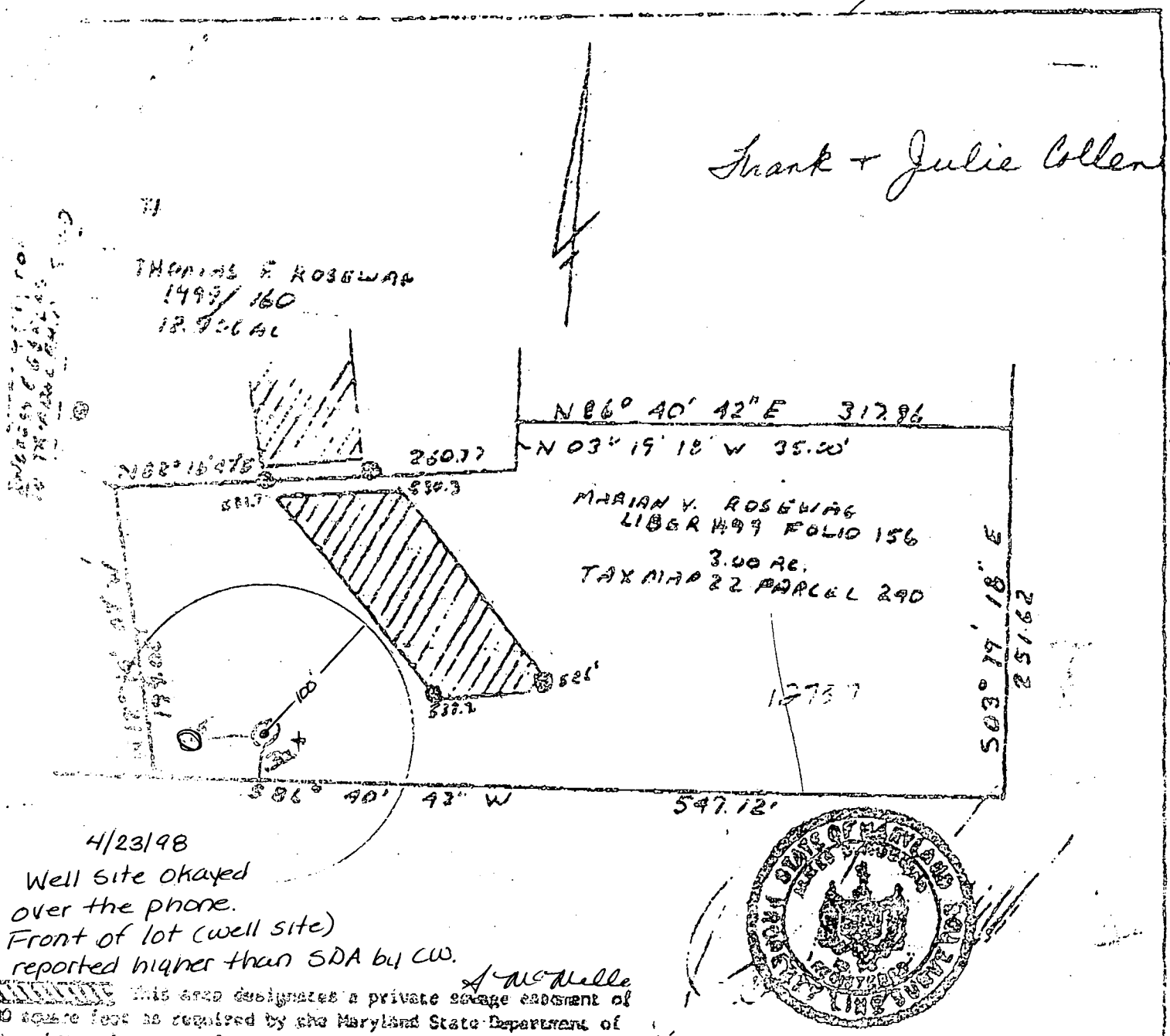
TAX MAP #22 PARCEL 240

3rd Election District
Howard County, Maryland
Scale 1"=100'
Date 7/28/86

NTT Associates, Inc.
16205 Old Frederick Road
Mt. Airy, MD 21771

County Form Lot 3

Frank + Julie Allen



4/23/98
Well site okayed
over the phone.
Front of lot (well site)
reported higher than SDA by CW.

A McNellis

This area designates a private sewage easement of 10,000 square feet as required by the Maryland State Department of Health and Mental Hygiene for individual sewage disposal. Improvements of any nature in this area are restricted until public sewage is available. These easements shall become null and 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 may be necessary.

Property corner boundary shown hereon have been field located and marked as "[illegible]".

Lots shown hereon comply with the minimum ownership width and area as required by the Maryland State Department of Health and Mental Hygiene.

Existing sewage and water wells for adjoining lots have been shown where pertinent.

NOTE: For Private Water and Private Sewage Systems

PERCOLATION TEST PLAT

PROPERTY OF

MARIAN V. ROSEWAG

TAX MAP 022 PARCEL 240

3rd Election District
Howard County, Maryland
Scale 1"=100'
Date 7/28/86

NTT Associates, Inc.
16205 Old Frederick Road

Joseph L. Mayne Well Drilling
5512 Ridge Rd.
Mt. Airy Md. 21771

Fax 301-829-5384
301-829-1154

To Kim - Howard Co. Health Department

Telephone no. 313-2640

Fax 313-2648

Fax from Betty Mayne

Pages 3 including transmittal page.

Date 4/6/98

THIS LOCATION TO CLOSE TO SEPTIC TO DRILLER WILL CONTACT OWNER. 4/7/98

Comments This location for Frank & Julie Collen
Sent State permit and location 4/1/98.
You may not have it yet. They want to change
the location to this one -

Betty Mayne

FAX COVER SHEET

FRANK & JULIE COLLEN
13110 Claxton Drive
Laurel, MD 20708-1839
Phone:(301)498-3801
FAX: (301)498-3001

SEND TO	
Company name: Joseph Mayne	From: Julie Collen
Attention:	Date: 4/5/98
Office location:	Office location: Laurel, MD
Fax number: 301-828-5334	Phone number: 301-498-3801

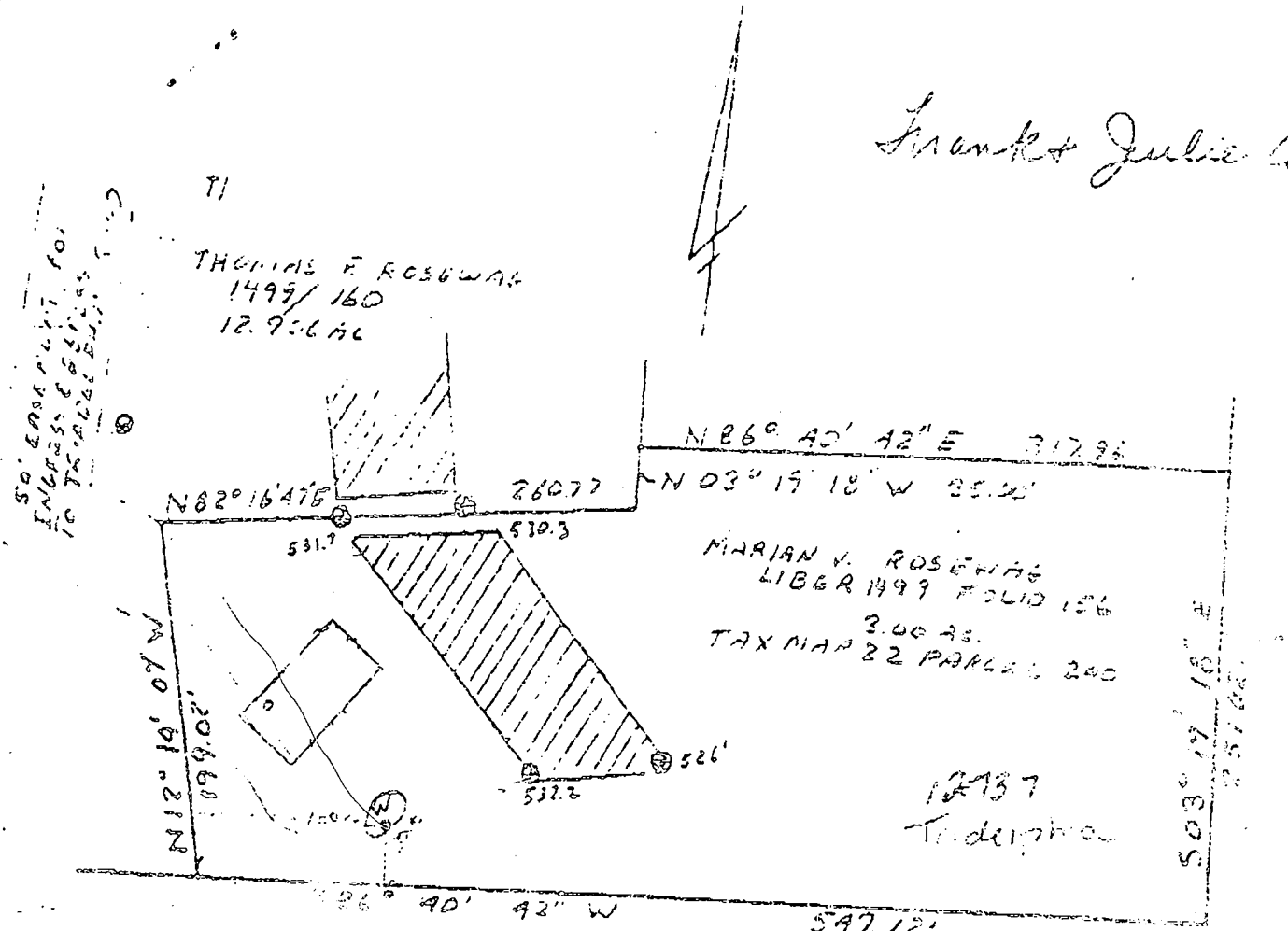
☐ Urgent ☐ Reply ASAP ☐ Please comment ☐ Please review ☐ For your information

Total pages, including cover: 2

COMMENTS

Joe,
After talking to a builder, we realized that the well needs to be a little further down the property line. This is a copy with the new proposed location. The stake has been moved to the new location as well. Please give Frank a call the day before you plan to drill.
We can be reached during the day at the following numbers:
Frank - 301-860-3030 ext. 2879
Julie - 301-460-2180
Please call if there is anything else you need.
Thanks,
Frank & Julie Collen

Frank & Julie Collen



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rcolation areas and water wells for adjoining lots have been own where pertinent.

PROVED: For Private Water and Private Sewage Systems

County Health Officer — Date 8/26/86

PERCOLATION TEST PLAT

PROPERTY OF

MARIAN V. ROSEMAN

TAX MAP 22 PARCEL 240

3rd Election District
Howard County, Maryland
Scale 1"=100'
Date 7/28/86

[illegible] Associates, Inc.
[illegible] Professional Park
Ellicott City, MD 21043
(301) [illegible]-3031