

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
461-9933

INDEXED

63-294315

P 48528

A REPAIR

DISTRICT \_\_\_\_\_

DATE 9/18/92

DATE SYSTEM APPROVED 9/18/92

INSPECTOR BH

Jack Fyock Septic Clean, Inc. IS PERMITTED TO INSTALL \_\_\_\_\_ ALTER

ADDRESS ±3775 Triadelphia Road, Glenelg, Maryland 21737 PHONE 988-9270

SUBDIVISION Roman Ridge Estates LOT 1 ROAD 2167 McKendree Road

PROPERTY OWNER Jos Emmert

ADDRESS 2167 McKendree Road  
West Friendship, MD

SEPTIC TANK CAPACITY 1000 GALLONS

NUMBER OF BEDROOMS 3

SQUARE FEET PER BEDROOM \_\_\_\_\_

LINEAR FEET OF TRENCH REQUIRED 63

REPAIR - PURPOSE - FAILING DRYWELL.

Call for inspection when ground is opened so sanitarian can recommend repair. 9/17/92  
9/16/92 TRENCH OFF OLD DRY WELL 12 FT DEEP 2 FT WIDE  
WITH 6 FT OF STONE 375 SQ FT SIDEWALL AREA 63 FT LONG  
PLACE THE TRENCH OFF THE OLD DRY WELL & RUN  
AWAY FROM THE HOUSE BH

From 144 onto McKendree  
1st driveway on left past church

PLANS APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

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

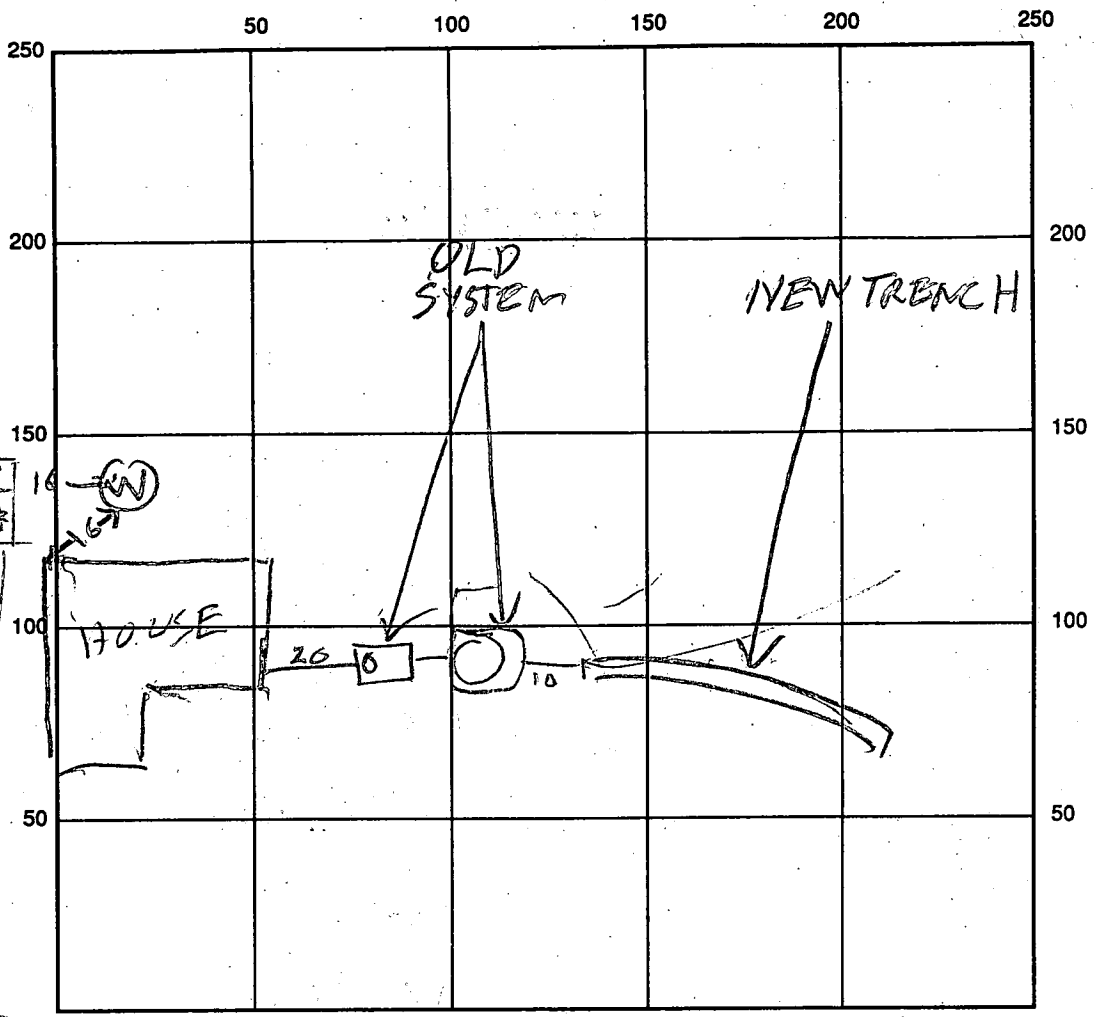
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

\*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

48528

①  
BROWN CLAY  
BROWN GRITTY SAND LOAM



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL \_\_\_\_\_ CLEANOUTS ST / DW  
OK / OK

DISTRIBUTION BOX LEVEL \_\_\_\_\_

DRAIN FIELD/TITLE DEPTH 12 FT. TRENCH WIDTH 2 FT. INLET DEPTH 6 FT.

EFFECTIVE GRAVEL DEPTH 6 FT. TOTAL LENGTH 39 @ FT.

NUMBER OF TRENCHES 1 ONE SIDEWALL / BOTTOM AREA \_\_\_\_\_ SQ. FT.

DRYWALL INSIDE DIAMETER \_\_\_\_\_ FT. EFFECTIVE DEPTH BELOW INLET \_\_\_\_\_ FT.

ABSORBENT AREA \_\_\_\_\_ SQ. FT.

REMARKS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

DATE SYSTEM APPROVED 9/17/92 INSPECTOR Raymond Hodges

Approved  
5/31/78  
T.S.O.

# PERMIT

P 27591  
A 25725

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH\*

~~4/15/78~~  
~~5/29/78~~

HOWARD COUNTY

ELLICOTT CITY

DISTRICT 3rd & 4th

## INDEXED

DATE 2/23/78

John L. Crowley, Inc. IS PERMITTED TO INSTALL X ALTER

ADDRESS 10954 Eighth Bells Lane, Columbia, Md. 21044 PHONE 596-5886

SUBDIVISION (Roman Ridge Estates) ROAD 2167 McKendree Road LOT 1

PROPERTY OWNER Joseph Emmert *Prater*

ADDRESS 5416 Hildebrand Court, Columbia, Md. 21044 Phone: 730-1984

SPECIFICATIONS 3 bedrooms  
SEPTIC TANK CAPACITY 1000 GALLONS  
DRAIN FIELD \_\_\_\_\_ DEPTH \_\_\_\_\_ FEET, BOTTOM AREA \_\_\_\_\_ SQ. FT.  
DEEP TRENCH \_\_\_\_\_ DEPTH \_\_\_\_\_ FEET, BOTTOM AREA \_\_\_\_\_ SQ. FT.  
SEEPAGE PITS \_\_\_\_\_ ABSORBENT SIDE-WALL AREA 360 SQ. FT. total sidewall area.  
INLET PIPE 2 FT. BELOW ORIGINAL GRADE. MAXIMUM DEPTH 11 FT. BELOW ORIGINAL GRADE  
EFFECTIVE DEPTH AT 4 FT. BELOW ORIGINAL GRADE.  
LOCATE DISPOSAL AREA \_\_\_\_\_ FT. FROM \_\_\_\_\_ LOT LINE AND \_\_\_\_\_ FT. FROM \_\_\_\_\_ LOT LINE AS SEEN WHEN  
FACING LOT FROM

DRY WELL LOCATION TO BE IN PERC HOLE NO. 1.

*5/29/78 T.S.O.: Dry well short on space footage.  
Require 20' trench off DW. after 5' earth buffer.  
Maximum trench depth to be 14' feet. Absorbent area begins  
at 4' (7' stone) see Attached Worksheet*

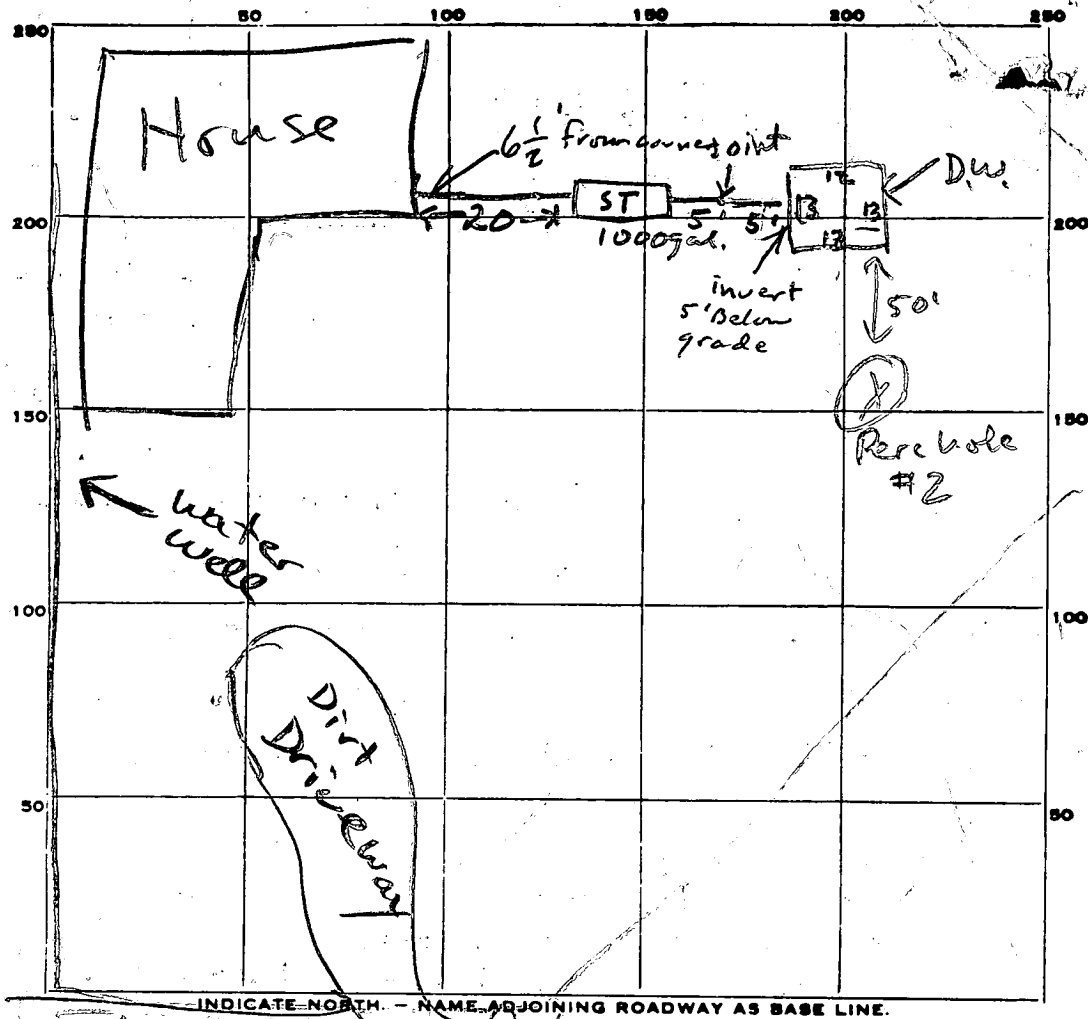
PLANS APPROVED BY Raymond Hodges DATE 6/10/77

- 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: IF TRENCH IS USED CALL FOR INSPECTION BEFORE PLACING GRAVEL IN TRENCH.
- NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER.
- NOTE: ALL PIPE FROM HOUSE TO DISPOSAL AREA MUST BE CAST IRON.
- PERMIT VOID AFTER THREE 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 ACCEPTED.

\*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.

A 25725

4



PERMIT CARD Yes

SEPTIC TANK, LEVEL Yes CLEANOUTS NO

DISTRIBUTION BOX, LEVEL \_\_\_\_\_

TILE FIELD, DEPTH \_\_\_\_\_ FT. TRENCH WIDTH \_\_\_\_\_ FT.

GRAVEL DEPTH \_\_\_\_\_ IN. TOTAL LENGTH \_\_\_\_\_ FT.

NUMBER OF TRENCHES \_\_\_\_\_ TOTAL BOTTOM AREA \_\_\_\_\_

SEEPAGE PITS, INSIDE DIAMETER 51 FE DEPTH BELOW INLET 67 FT.

ABSORBENT AREA 300 <sup>T.S.O.</sup> SQ. FT.

REMARKS Raise lid of D.W. to 2 ft below grade. Call office for other options. (add second lid? add two feet gravel + distribution pipe?)

5/31/78: see Attached Worksheet

DATE SYSTEM APPROVED 5/31/78 INSPECTOR T.S. Ogle

# APPLICATION

25725

## SEWAGE DISPOSAL TESTING

P \_\_\_\_\_

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT 1000 GAL TANK DISTRICT 3 and 4  
ENVIRONMENTAL HEALTH SERVICES DATE 4-25-77

P. O. BOX 476, ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 465-5000, EXT. 356

DRY WELL - 360 SQ FT SIDEWALL AREA TO START  
BELOW THE TOP 4 FT OF ORIGINAL GRADE

DRY WELL INLET TO BE 2 FT DEEP BELOW ORIGINAL GRADE

DRY WELL BOTTOM TO BE 13 FT DEEP

DRY WELL LOCATION TO BE IN PERC HOLES ① JOHN CROWLEY

TO: THE COUNTY HEALTH OFFICER WILL SUBMIT PLANS SHOWING LOCATION  
ELLICOTT CITY, MARYLAND 012 PERC HOLES

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

PROPERTY OWNER Joseph Emmert

ADDRESS 5416 hildebrandt Ct Columbia Md, 21044 PHONE 730-1984

### PROPERTY LOCATION:

SUBDIVISION Roman Ridge--Ruth Thompson LOT NO. 1

ROAD AND DESCRIPTION Rover and McKendree Rd

SIZE OF LOT 5.000 Acres TYPE BLDG. 3 bdr.  
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 [Signature] **BLDG. PERMIT SIGNED AND RETURNED 7/18/77**  
serial no. 32152

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_  
(KIND OF SYSTEM)

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_  
(KIND OF SYSTEM)

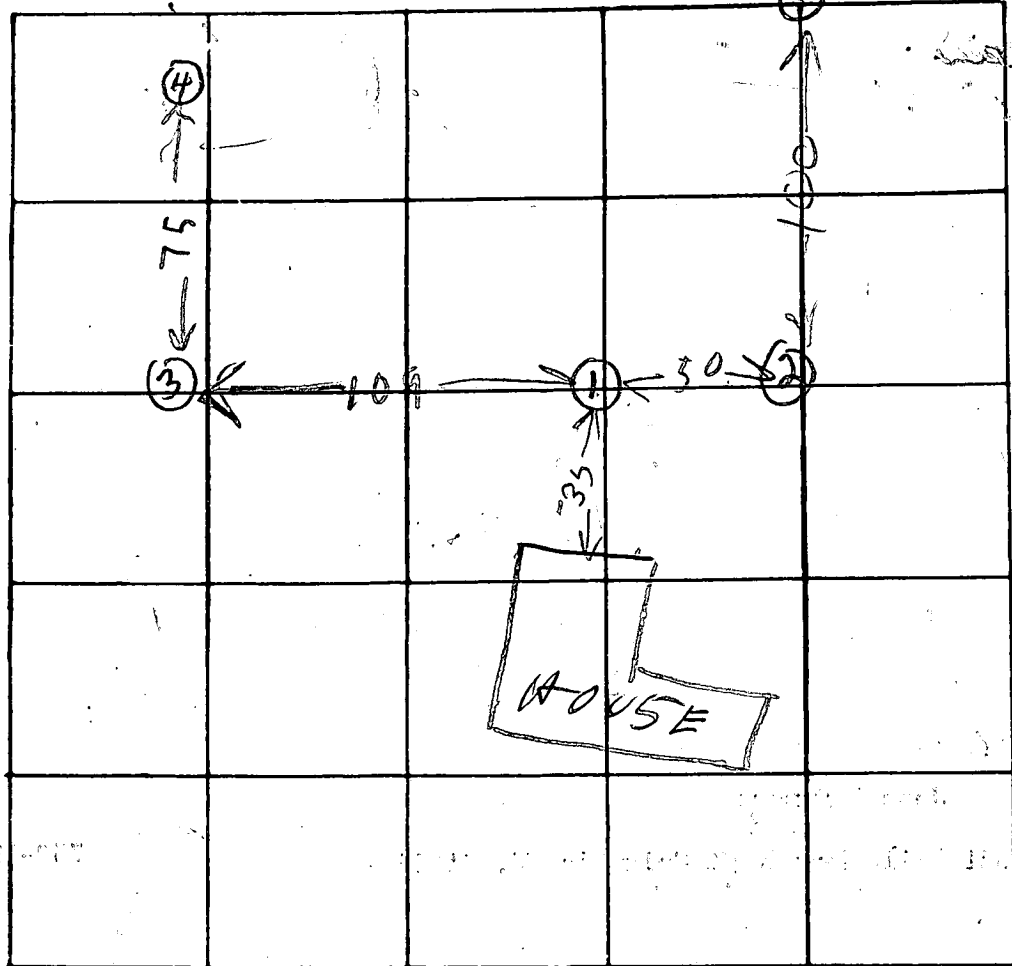
HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING 4/27/77 - PERC O.K. BUT

CERTIFIED PERC HOLES LOCATION PLAN NEEDED R.R.

# THIS IS NOT A PERMIT

734



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE

DATE	TEST NO.	DEPTH	PRE-WET		TEST 1" DROP		TIME
			START	STOP	START	STOP	
4/27/77	1 D	13	1034	1037	1037	1042	5
4/27/77	1 S	4 1/2	1036	1042	1042	1052	10
	2 V	12 1/2	TOP	5 FT	CLAY	DR 7	
			BOT	8 1/2 FT	SANDY		
	3 D	13	1120	1127	1127	1140	13
	3 S	5	1120	1140	1140	1150	10
	4 D	13	1147	1148	1148	1154	6
	4 S	4 1/2	1147	1148	1148	1155	17
	5 D	12 1/2	1215	1225	Little New Falls		
	5 S	4	1245	1216	1216	1221	5
4/27/77	5 M	8 1/2	1249	1255	1255	106	11

REMARKS Century hole location & Dry Well Site  
 TYPE OF SOIL DW in Hole ① Inlet 2 ft below grade

TESTED BY RAYMOND HORTLES ALSO PRESENT: JOE EMMERT (OWNER)  
ALIC (FOLK CO)

BLDG JOHN L. CROWLEY

# APPLICATION

*Ernest*  
A 20430

## 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 <sup>1000 gallons</sup>  
                          { 4 Bedrooms <sup>1250 gallons</sup>  
DISTRICT 3rd & 4th  
DATE 7/30/74

7/31/74  
9:30

*Dry well to have 125 sq. ft. effective absorbent sidewall area per bedroom below first 5 1/2' of original soil and maximum depth 12'. Inlet can come in at 4'. Location 130' in from left property line and 286' towards front of lot from left rear corner pt. when facing lot from McKendree Road (see hole 1+2)*

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 Ruth Thompson

Any questions call Mr. Bernard Rome, 465-7700

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION \_\_\_\_\_ LOT NO. 1

ROAD AND DESCRIPTION Rover Mill Road and McKendree Road (look on plot for directions.)

SIZE OF LOT 5.003 acres TYPE BLDG. 3 or 4 bedrooms  
NUMBER OF BEDROOMS

IF NOT SINGLE RESIDENCE DESCRIBE \_\_\_\_\_

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

SIGNATURE OF APPLICANT /s/ Bernard Rome

APPROVED BY C. Streaker FOR Dry Well DATE 8/13/74  
(KIND OF SYSTEM)

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_  
(KIND OF SYSTEM)

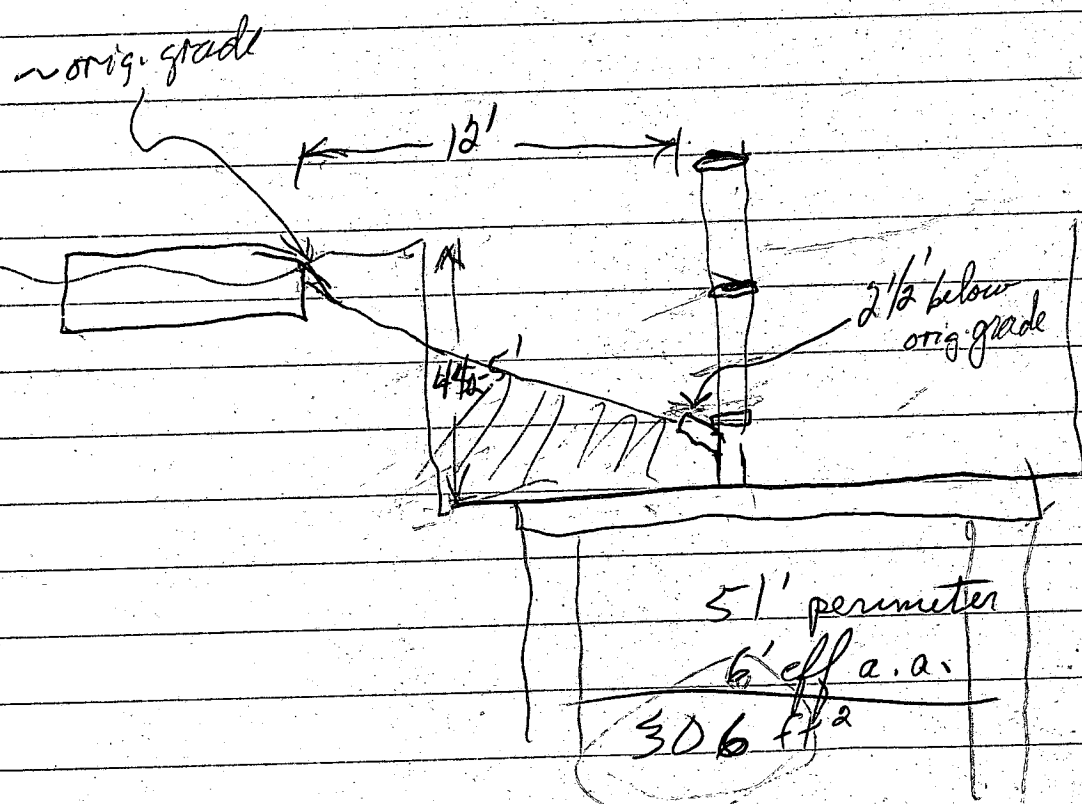
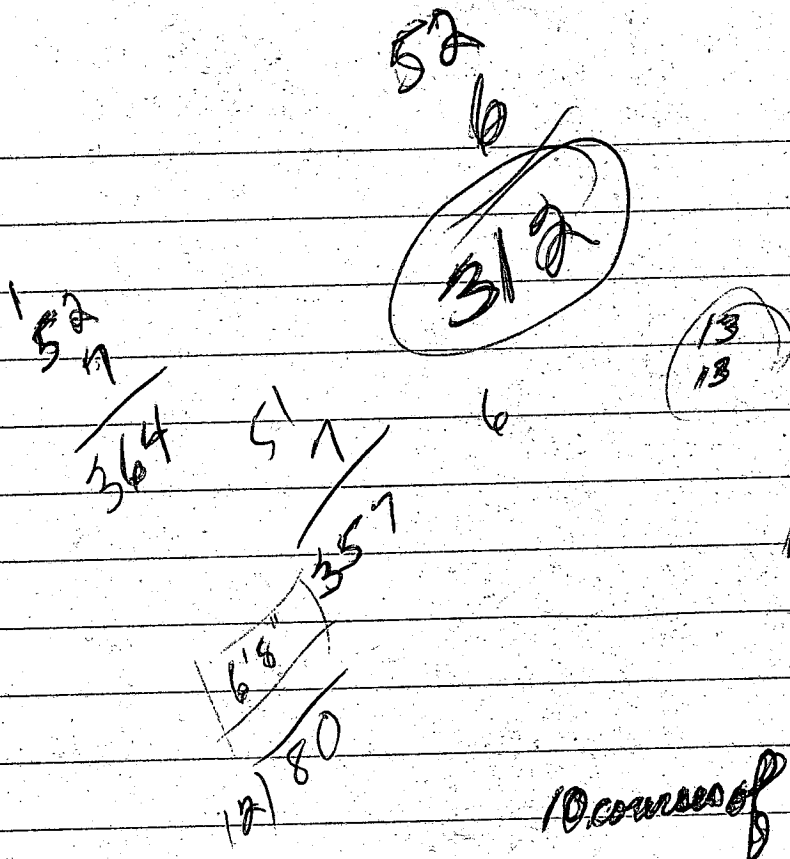
HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

*Joseph Ernest & Mary Bernice Nestor  
Silent Meadow Farm  
Coopersville, Ind.  
489-7641*

# THIS IS NOT A PERMIT





No permit card or bldg. permit on site  
 well # 2091

Using level & 1x3 board: Top of drywell drywell lid almost exactly 5' below orig. grade (measured from three points on perimeter toward center, 5', 4'11", 5'3")  
(+6" for lid thickness)

Invert at adapter (terracotta → cast) exactly 3' below grade.

Actual measured depth of drywell = 12'3" below original grade  
fairly uniform (swims weight)

Perc data indicated 5 minutes at 13' in hole #1 (Drywell hole)  
Assume good soil to 13' (no profile on perc sheet). '74 perc test indicated clay to 5'

Figuring 51' perimeter

$$5' - 11' (\text{spec. req.}) = 6' \text{ eff. a.a.}$$

$$\begin{array}{r} 51 \\ 6 \\ \hline 306 \end{array} \quad \begin{array}{l} 360 (\text{spec. req'd}) \\ 306 \\ \hline 54 \text{ ft.}^2 \text{ short} \end{array}$$

However, if extra foot (11' - 12') is counted: 51' perimeter

$$\begin{array}{r} 51' \text{ perimeter} \\ 7' \text{ eff. a.a. (5' - 12')} \\ \hline 357 \text{ ft.}^2 \end{array}$$

$$\begin{array}{r} 360 \\ 357 \\ \hline 3 \text{ ft.}^2 \text{ short} \\ \text{within tolerance} \end{array}$$

Therefore: system finalized.

C 1 9378 SEQUENCE NO. (WRA USE ONLY)

1 2 3 4 5 6 (SEQ. NO.)

(THIS NUMBER IS TO BE PURCHASED IN COLS. 3-6 OF ALL CARDS)

STATE OF MARYLAND  
 WATER RESOURCES ADMINISTRATION  
 TAWES STATE OFFICE BLDG., ANNAPOLIS, MD. 21401  
 WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 30 DAYS AFTER WELL COMPLETION

FILL IN THIS FORM COMPLETELY

COUNTY NUMBER

DATE RECEIVED (WRA USE ONLY)

DATE WELL COMPLETED 7/13/97

15 20

DEPTH OF WELL 100

22 (TO NEAREST FOOT) 26

PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-13-2097

28 29 30 31 32 33 34 35 36 37

DRILLERS IDENTIFICATION NO. 42

OWNER John L. Crowley Inc. LAST NAME FIRST NAME

STREET OR RFD 10954 EIGHT BELLS CA. POST OFFICE Columbia Md.

WELL DESCRIPTION

WELL LOG

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

DESCRIPTION (USE ADDITIONAL SHEETS IF NECESSARY)	FEET		CHECK IF WATER BEARING
	FROM	TO	
TOP SOIL	0	2	
SHALE	2	3	
BLUE SLATE	3	100	<input checked="" type="checkbox"/>

GROUTING RECORD

WELL HAS BEEN GROUTED (CIRCLE APPROPRIATE BOX) YES  NO

TYPE OF GROUTING MATERIAL (CIRCLE BOX)

CEMENT  BENTONITE CLAY

NO. OF BAGS 4 NO. OF POUNDS 400

GALLONS OF WATER 20

DEPTH OF GROUT SEAL (TO NEAREST FOOT)

FROM 0 FT. TO 19 FT.

CASING RECORD

INSERT APPROPRIATE CODE BELOW

STEEL  CONCRETE

PLASTIC  OTHER

MAIN CASING TYPE 57

NOMINAL DIAMETER TOP (MAIN) CASING (NEAREST INCH) 6

TOTAL DEPTH OF MAIN CASING (NEAREST FOOT) 25

OTHER CASING (IF USED)

DIAMETER (INCH)

DEPTH (FEET) FROM TO

SCREEN RECORD

SCREEN TYPE OR OPEN HOLE

INSERT APPROPRIATE CODE BELOW

STEEL  BRASS OR BRONZE  OPEN HOLE

PLASTIC  OTHER

DEPTH (NEAREST WHOLE FOOT)

FROM 19 TO 100

1 2 3 (SEQ. NO.) 6

1 H O 2 3

8 9 11 15 17 21

23 24 26 30 32 36

38 39 41 45 47 51

SLOT SIZE 1 2 3

DIAMETER OF SCREEN 56 (NEAREST INCH)

FROM TO

GRAVEL PACK

IF WELL DRILLED WAS A FLOWING WELL CIRCLE BOX 68

WRA USE ONLY (NOT TO BE FILLED IN BY DRILLER)

(E.R.O.S.)

TELESCOPE CASING 70

LOG INDICATOR 72

OTHER DATA AVAILABLE 74 75 76

PUMPING TEST

HOURS PUMPED (TO NEAREST HOUR) 2

PUMPING RATE (GALLONS PER MINUTE TO NEAREST GALLON) 20

METHOD USED TO MEASURE PUMPING RATE Bucket

WATER LEVEL (DISTANCE FROM LAND SURFACE)

BEFORE PUMPING 25 (NEAREST FOOT)

WHEN PUMPING 100 (NEAREST FOOT)

TYPE OF PUMP USED (CIRCLE APPROPRIATE BOX) (FOR PUMPING TEST)

AIR  PISTON  TURBINE

CENTRIFUGAL  ROTARY  OTHER (DESCRIBE BELOW)

JET  SUBMERSIBLE

PUMP INSTALLED

TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX - SEE ABOVE: A, C, J, P, R, S, T, O)

DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX) YES  NO

CAPACITY:

GALLONS PER MINUTE (TO NEAREST GALLON) 31 35

PUMP HORSE POWER 37 41

PUMP COLUMN LENGTH (NEAREST FOOT) 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 STRUCTURE SUCH AS BUILDINGS, SEPTIC TANKS, AND/OR OTHER LAND MARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)

200 WELLS

40 HOUSE

RD

CIRCLE APPROPRIATE BOXES

A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

ELECTRIC LOG OBTAINED

TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT I HAVE COMPLIED WITH ALL CONDITIONS STATED ON THE ABOVE-CAPTIONED "PERMIT TO DRILL WELL" AND THAT INFORMATION CONTAINED IN THIS REPORT IS TRUE, ACCURATE, AND COMPLETE TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF.

DRILLERS NAME

(PLEASE PRINT) L. F. EASTMAN

SIGNATURE L. F. Eastman

NOTE: PERC HOLES SHOWN  
WERE TESTED 4/27/77

PERC HOLE #3

PERC HOLE #4

SEWERAGE  
DISPOSAL  
AREA

5703

575

95'

ROCK  
OUTCROP  
CONCRETE  
PATIO  
559.2  
568.5

PROPOSED HOUSE  
1ST FL. ELEV. - 578.0  
BASEMENT - 569.0

INV. EL. - 564.0 PERC HOLE #1

WOOD  
DECK  
577.5

SAN. 1,000  
GAL  
TANK  
12'  
6'

10'x10' DRYWELL  
EXIST. GRADE AT DRYWELL - 566.0 (TO REMAIN)  
TOP OF ABSORBENT AREA - 562.0  
BOTTOM OF ABSORBENT AREA - 560.0  
TOTAL ABSORBENT AREA - ~~40~~ 46 x 9 = 360 S.F.

PROPOSED  
WELL

570  
INV. EL. - 565.0  
EXIST. GRADE AT TANK - 567.0

80'

CARRIOT  
576.2  
577.5

5732.1

PERC HOLE #2

555.0 per I.F./hr  
5.003 ACRES