

Approved 3/16/84
Stayed

P 33630
A 28464

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
992-2330

04-341627

ELLICOTT CITY
DISTRICT 4th

DATE 3/8/84

INDEXED

296

William H. Smith, Jr. _____ IS PERMITTED TO INSTALL ALTER _____

ADDRESS P. O. Box 38, Darlington, Md. 21034 PHONE 457-5570

SUBDIVISION Countryside ROAD 3540 Countryside Drive LOT 23

PROPERTY OWNER Joseph Wendell

ADDRESS 1420 Bayshire Lane, Herndon, Virginia 22070 Phone: 489-4576
703-435-9342

IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 22%.

GARBAGE GRINDER? YES _____ NO _____

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 174 sq. ft. per bedroom. Trench to be 2 ft. wide. Inlet 3½ feet below original grade. Bottom maximum depth 9 feet below original grade. Effective area begins at 3½ ft. below original grade. 5½ feet of stone below distribution pipe. Start the first trench 175 feet from the front lot line and 125 feet from the left side line as seen when facing the lot from Countryside Drive. Continue to dig the trench on level ground the necessary distance. If a second trench is needed place it parallel to the first trench 12 feet downslope from it.

NOTE: IF GARBAGE GRINDER IS INSTALLED SEPTIC TANK CAPACITY MUST BE INCREASED BY 50% AND ABSORPTION AREA MUST BE INCREASED BY 22%.

BLDG. PERMIT SIGNED
AND RETURNED 7/9/83
Serial # 94038-dcd

PLANS APPROVED BY Frank A. Skinner DATE 8/18/83

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 AND AFTER PLACING GRAVEL IN TRENCH.

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 40 PVC OR ABS.
PERMIT VOID AFTER THREE YEARS.

BLDG. PERMIT SIGNED
AND RETURNED _____

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 PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET MANHOLE TO GRADE REQUIRED.

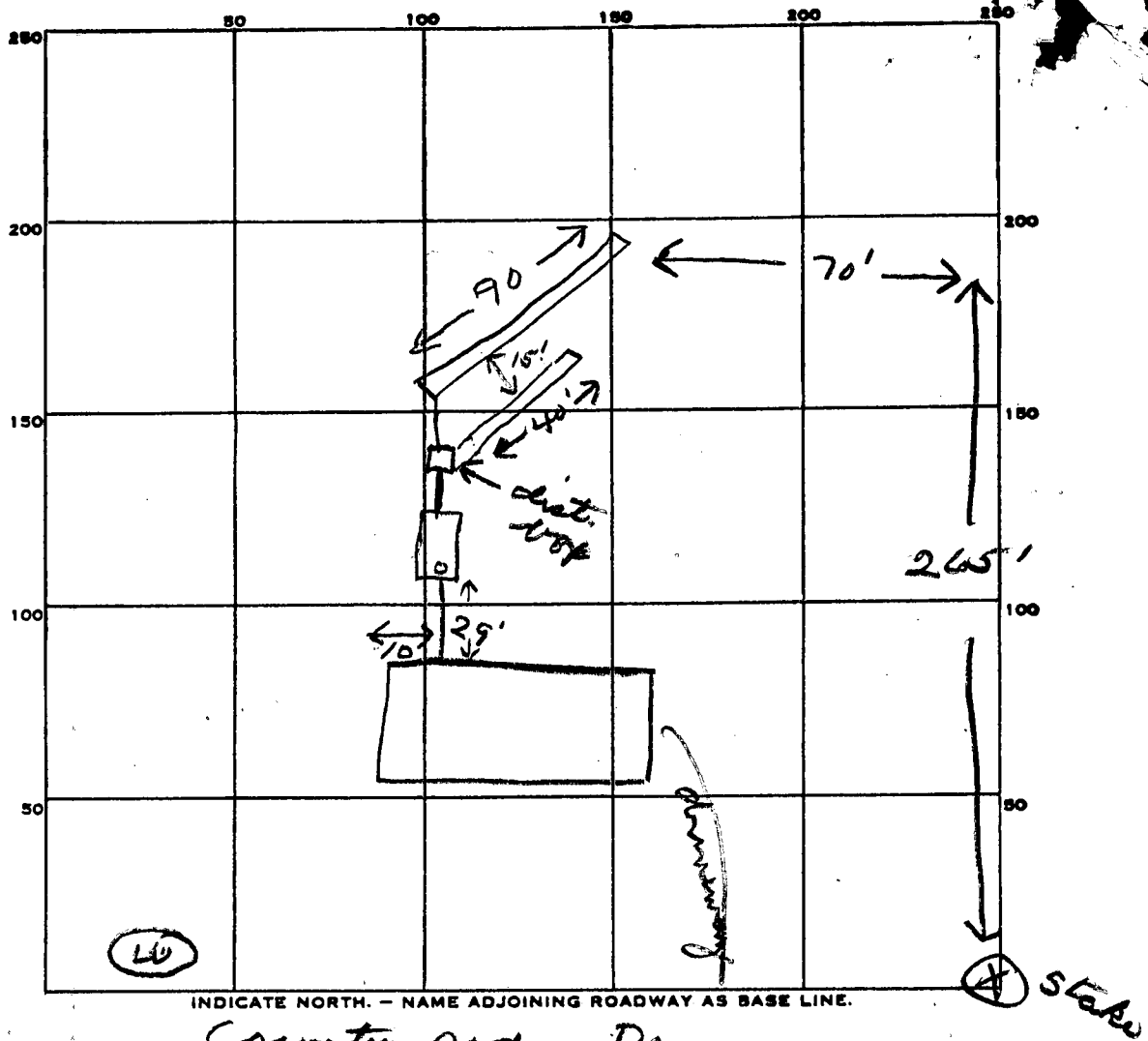
***INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

*CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1082

A
28464

694



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

Country Side Dr.

PERMIT CARD _____

SEPTIC TANK, LEVEL _____

1500 gal

CLEANOUTS _____

ST

DISTRIBUTION BOX, LEVEL _____

TILE FIELD, DEPTH _____

9

FT.

TRENCH WIDTH _____

2

FT.

GRAVEL DEPTH _____

5 1/2

IN.

TOTAL LENGTH _____

130

FT.

NUMBER OF TRENCHES _____

2

TOTAL BOTTOM AREA _____

715

130
55
650
650
7150

SEEPAGE PITS, INSIDE DIAMETER _____

FT.

DEPTH BELOW INLET _____

FT.

ABSORBENT AREA _____

715

SQ. FT.

REMARKS

3/16/84 Location of trenches not exactly in position, but I gave approval, good soil all sand OK to add stone in trenches.

3/16/84 - OK to cover all work.

DATE SYSTEM APPROVED _____

3/16/84

INSPECTOR _____

Stayer

SUBDIVISION: Countryside

LOT NUMBER: 23

DRY WELL OR DRY WELL AND TRENCH

	<u>Septic Tank</u>	<u>Minimum Total square Feet</u>
3 bedroom	1000 gallon	_____
4 bedroom	1250 gallon	_____
5 bedroom	1500 gallon	_____

Inlet _____ feet below original grade.
 Bottom maximum depth _____ feet below original grade.
 Effective area begins at _____ feet below original grade.

NOTE: If trench is used to make up absorbent area, run the trench on level ground and leave a 5 foot earth buffer between dry well and trench. No trench is to exceed 100 feet in length. Trench inlet to be same as dry well, with _____ feet of stone below distribution pipe.

TRENCHES

174 sq. ft./bedroom

Trench to be 2 ft. wide.
 Inlet 3 1/2 feet below original grade.
 Bottom maximum depth 9 feet below original grade.
 Effective area begins at 3 1/2 feet below original grade.
5 1/2 feet of stone below distribution pipe.

- NOTE:
- (1) No trench to exceed 100 feet in length.
 - (2) If more than one trench used, a distribution box is required.
 - (3) Trenches to be installed on level ground.
 - (4) Call for inspection of trench before gravel is installed.
 - (5) Provide 6"-8" diameter cleanout and cap to grade or above on septic tank and drywell.
 - (6) If a Garbage disposal is used, increase septic tank capacity by 50% and increase absorbant sidewall area by 22%.

LOCATION: Start the first trench 175 feet from the front lot line and 125 feet from the left side line as seen when facing the lot from Countryside Drive. Continue to dig the trench on level ground the necessary distance. If a second trench is needed place it parallel to the first trench 12 ft downslope from it.

COUNTRYSIDE S/O

Lot Number

#23 R.H.
F80-108

Septic tank	1 - 3 Bedrooms	1000 gallons
	4 Bedrooms	1250 gallons

Trenches to be 3' wide. Inlet to be _____' below original grade and effective absorbant area from _____' - _____' only. Maximum depth of trenches to be _____' below original grade. A minimum of _____' sq.ft. effective absorbant sidewall area per bedroom needed. Trenches can not exceed 100' in length. Distribution box to be used if more than 1 trench used. Two inspections of trenches required - before and after stone installed. If more than 1 trench used - need to have 15 ft. distance between trenches, center to center. Run trenches on contour and/or on level ground as much as possible.

LOCATION: Start trenches at a point -

APPLICATION

A 28464

P _____

SEWAGE DISPOSAL TESTING

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

DISTRICT 4th

DATE 7/11/78

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 Joseph Werioell
Estate of Sylvan A. Manger
ADDRESS 1420 Baishite Lane
Herndon, Virginia, 22070 PHONE Mr. Rome - 465-1869

PROPERTY LOCATION:

SUBDIVISION Countryside S/D LOT NO. 23

ROAD AND DESCRIPTION Route 97 3540 Countryside Drive

SIZE OF LOT 3 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 _____ FOR _____ DATE _____
(KIND OF SYSTEM)

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

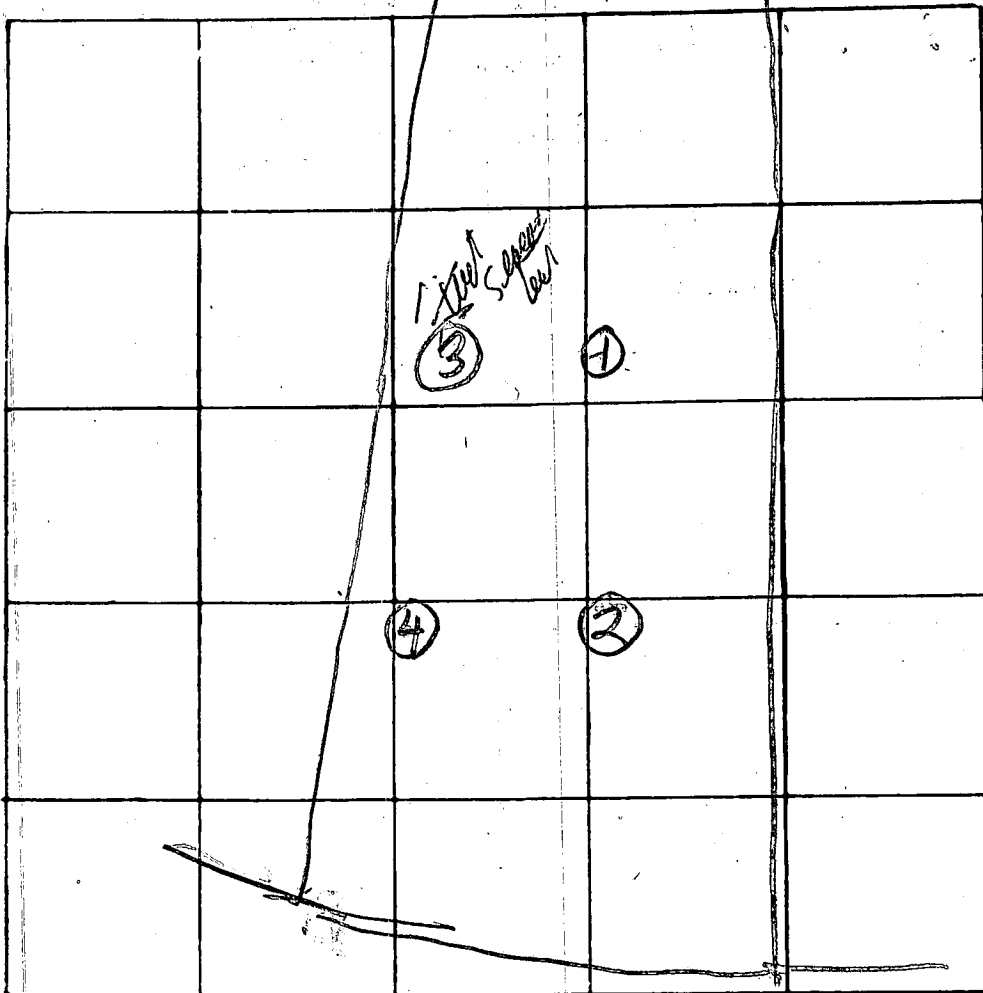
HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 9/7/78 - Unsatisfactory & Hold for review H

BLDG. PERMIT SIGNED
AND RETURNED 1/12/84
Serial # 57099 SF-10

THIS IS NOT A PERMIT

lot # 23



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE

RD

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
9/7/78	1D	1 1/2	1147	1202	1202	1227	25	
	1S	4	1148	1152	1152	1157	5	
	2D	12	1204	1207	1207	1216	3	
	2S	4	1205	1207	1207	1210	3	
	3D	12	1216	1227	1227	1242	15	
	3S	3	1217	1225	1225	1236	11	
	4V	12	TOP 3 FT CLAY		BOTTOM 12 FT SAND		1207	
9/7/78	3V	13 1/2	WATER		13 FT			
(60) 2/2/79	3V	11 1/2'	VISUAL - dry - SANDY LOAM					
			hole opened day before					

REMARKS DIG (3) 14 FT DEEP VISUAL 9/7/78

TYPE OF SOIL

TESTED BY

B/H

ALSO PRESENT:

CHUSONS
PLINDRIN
GALLER
KORNE

B 1 3504 SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

OEP PERMIT NUMBER

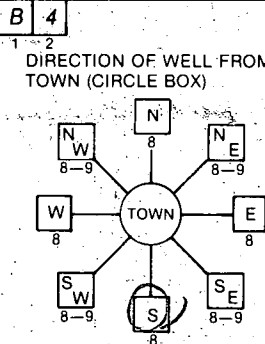
HO-81-0348 fill in this form completely

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS) 12/16/83 3:10 pm please print or type

Date Received 12/14/83 OWNER INFORMATION Peares Ona 5701 Highview Road Baltimore Md 21227

LOCATION OF WELL Howard County Countryside 23 SUBDIVISION SECTION 44 LOT 23 Glenwood 52 NEAREST TOWN MILES FROM TOWN 1 MI

DRILLER INFORMATION George F. Easterday L. F. Easterday, Inc. 9265 Brown Church Rd. Mt. Airy, Md. 21771 11/11/83



Countryside Drive NEAR WHAT ROAD ON WHICH SIDE OF ROAD DISTANCE FROM ROAD 100 FT

WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) 5 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

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

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL HOWARD COUNTY NAME Frank Skinner 5/29/84 DATE ISSUED CO SIGNATURE EXP. DATE NORTH GRID 524000 EAST GRID 0791000

APPROXIMATE DEPTH OF WELL 200 FEET

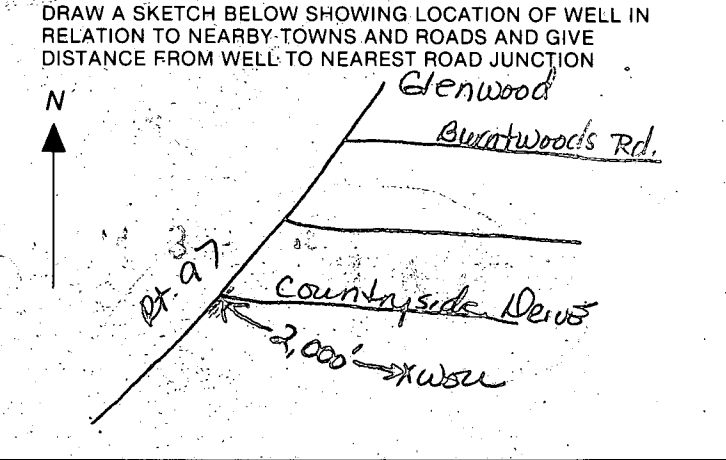
APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST INCH

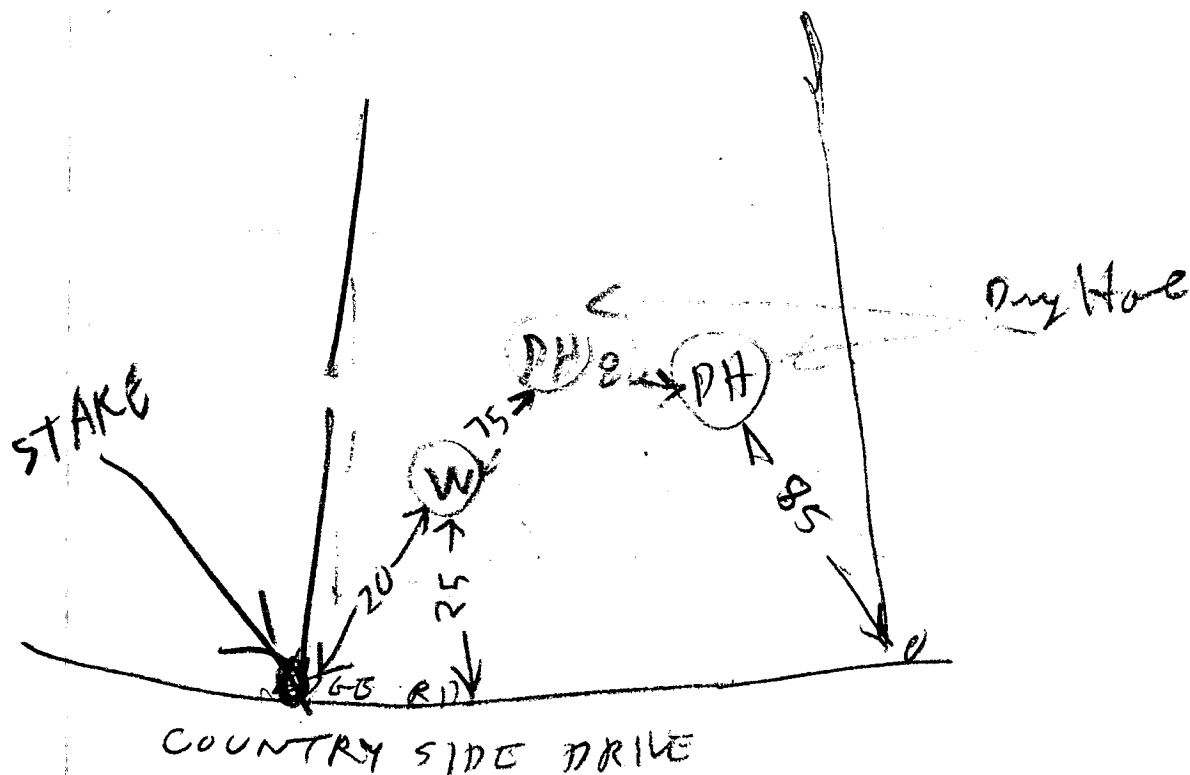
METHOD OF DRILLING (circle one) BORED (or Augered) JETTED Jetted & DRIVEN AIR-ROTary AIR-PERcussion ROTARY (Hydraulic Rotary) CABLE REVerse-ROtary Drive-POINT other

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 THIS WELL WILL DEEPEAN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

Not to be filled in by driller (OEP USE ONLY) APPROP. PERMIT NUMBER GAP FORCE FS WRITE INITIALS IN BOX PERMIT No. HO-81-0348

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. well 2. 3. WRITE THE BOX NUMBER FROM THE MAP HERE 790 520





- ① 21 FT CASING 2 FT OUT OF GROUND
- ② 18 FT OPEN HOLE
- ③ 5 BAGS USED
- ④ WELL OK

12/7/83
B. Hodges

568

SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

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

COUNTY NUMBER A 28464

DATE RECEIVED

DATE WELL COMPLETED 12/6/83

DEPTH OF WELL 200 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-81-0348

OWNER: Beares Oua last name first name STREET OR RFD Countryside TOWN Glenwood SUBDIVISION Countryside SECTION LOT 23

WELL LOG table with columns: DESCRIPTION, FEET FROM, FEET TO, Check if water bearing. Rows include Topsoil, Brown Mica, Gray Mica schist, Tan Mica schist, Flint, Tan Mica schist, Br. Mica schist, Gray Mica schist.

GROUTING RECORD: WELL HAS BEEN GROUTED (X), TYPE OF GROUTING MATERIAL: CEMENT CM, BENTONITE CLAY BC, NO. OF BAGS 5, NO. OF POUNDS 500.

CASING RECORD: casing types insert appropriate code below, MAIN CASING TYPE ST, Nominal diameter 6, Total depth 21.

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

SCREEN RECORD: screen type or open hole insert appropriate code below, SCREEN TYPE HO, DEPTH 179.

SCREEN RECORD: SLOT SIZE 1, 2, 3, DIAMETER OF SCREEN, GRAVEL PACK.

A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED. ELECTRIC LOG OBTAINED. TEST WELL CONVERTED TO PRODUCTION WELL.

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 10.17.13 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT...

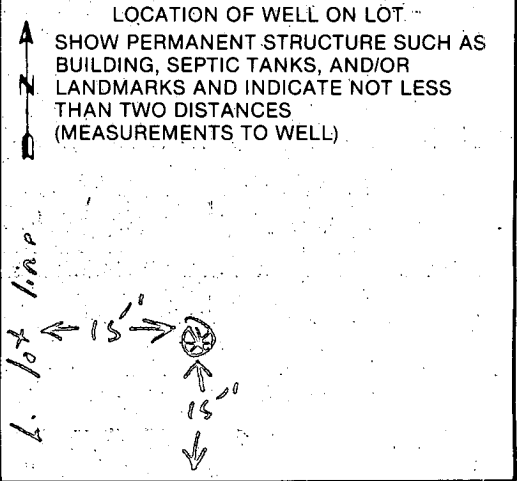
DRILLERS IDENT. NO. 40, DRILLERS SIGNATURE, SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee).

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

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.), WQ, TELESCOPE CASING, LOG INDICATOR, OTHER DATA.

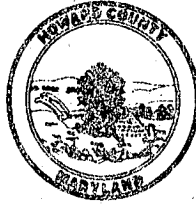
PUMPING TEST: C 3, HOURS PUMPED 3, PUMPING RATE 7, METHOD USED TO MEASURE PUMPING RATE Bucket, WATER LEVEL BEFORE PUMPING 5.6, WHEN PUMPING 70, TYPE OF PUMP USED S submersible.

PUMP INSTALLED: DRILLER WILL INSTALL PUMP YES (NO), IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE.



HOWARD COUNTY HEALTH DEPARTMENT

JOYCE M. BOYD, M.D., M.P.H.
COUNTY HEALTH OFFICER



BUREAU OF ENVIRONMENTAL HEALTH
TIBER PLACE
8308B FORREST STREET
ELLCOTT CITY, MARYLAND 21043
TELEPHONE: 982-2330

January 5, 1984

Mrs. Ona Beares
5401 Highview Road
Baltimore, Maryland 21227

RE: Lot 23, Countryside
Well Permit HO-81-0348

Dear Mrs. Beares:

This is to advise you that the well for the above referenced property was constructed in accordance with the well construction regulations (COMAR 10.17.13).

The well grouting procedure was approved on December 16, 1983 and the well yield test procedure was approved on December 20, 1983.

Very truly yours,

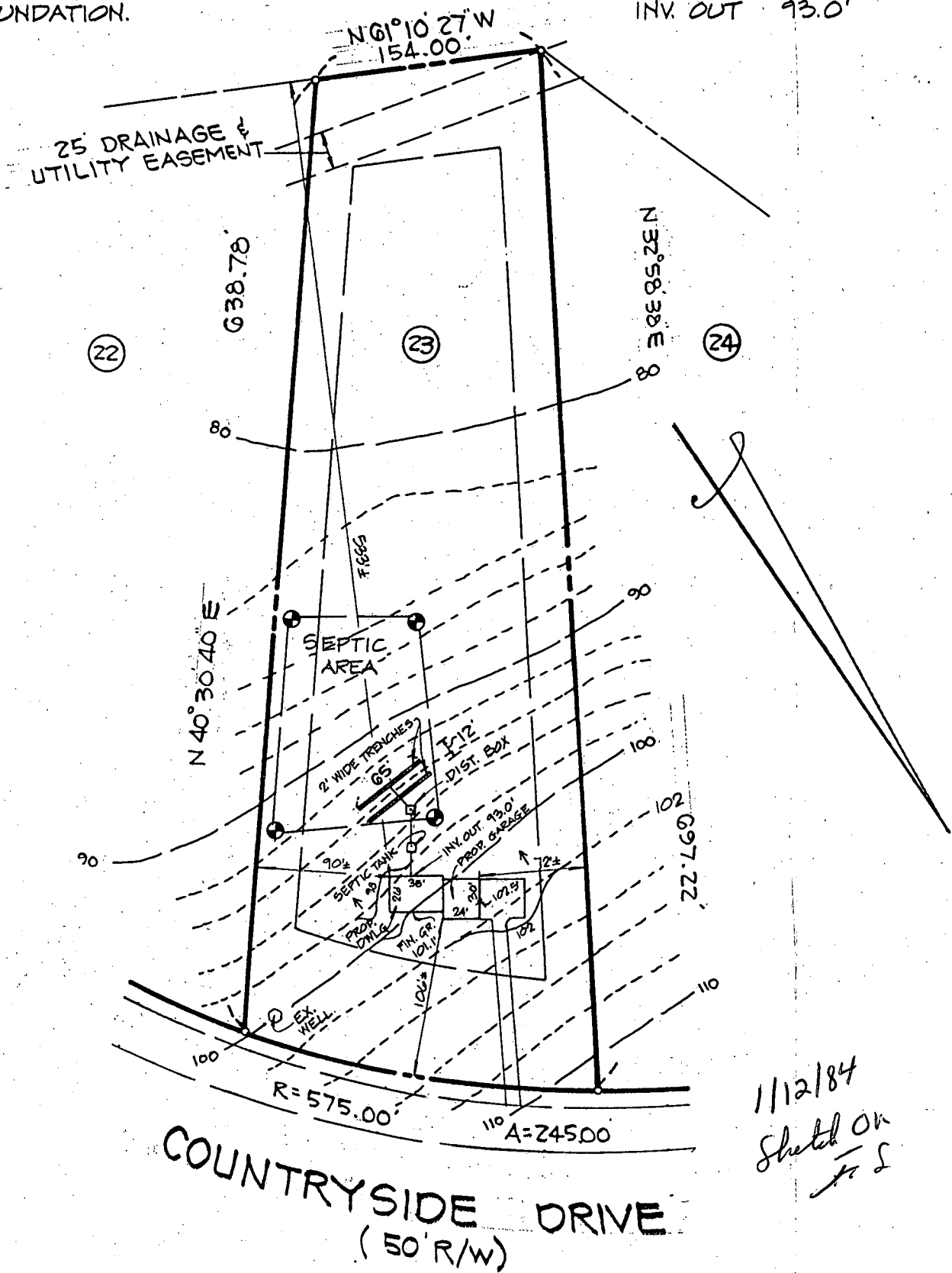
A handwritten signature in cursive script that reads "Frank A. Skinner".

Frank A. Skinner, Director
Water and Sewerage Program

FAS:hs

* NOTE: CONTRACTOR TO GRADE FRONT TO PROVIDE POSITIVE DRAINAGE AWAY FROM FOUNDATION.

PROPOSED DWELLING
 FIRST FLOOR ELEV. 103.5'
 BASEMENT ELEV. 94.5'
 INV. OUT 93.0'



1/12/84
 Sketched on
 F.S.

PROPOSED SEPTIC SYSTEM

INV. OUT OF DWLG.	93.0'
INV. INTO SEPTIC TANK	92.5'
INV. OUT OF SEPTIC TANK	92.2'
INV. INTO DISTRIBUTION BOX	91.7'
INV. INTO TRENCH	91.5'
EX. & FINISHED GRADE AT TRENCH	95.0'

SITE PLAN
 OF
 LOT 23

"COUNTRYSIDE"

4TH. ELECT. DIST. HOWARD CO., MD.
 SCALE: 1"=100' JAN. 5, 1984

PLAT REFERENCE: #4782

MCKEE & ASSOCIATES, INC.

CIVIL ENGINEERS & LAND SURVEYORS
 1717 YORK ROAD - LUTHERVILLE, MD. 21093

ECOLOGICAL ANALYSTS, INC.

Corporate Headquarters/Mid-Atlantic Regional Office
HUNT VALLEY/LOVETON CENTER, 15 LOVETON CIRCLE, SPARKS, MARYLAND 21152 □ (301) 771-4950

BALTIMORE
CHICAGO
CINCINNATI
LINCOLN
NEW YORK
SAN FRANCISCO

18 May 1984

Cher Chris Builders
10519 York Road
Cockeysville, Maryland 21030

Attention: Nancy

Dear Nancy:

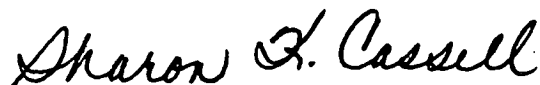
Enclosed please find results of drinking water analysis on a well-water sample collected from the kitchen tap at 3540 Country Side Drive, Howard County.

The bacteriological analysis was negative and the chemical parameters are within Howard County limits.

Should you have any questions or require additional information, please do not hesitate to contact us.

Sincerely,

ECOLOGICAL ANALYSTS, INC.



Sharon K. Cassell, Manager
Microbiology Division
Environmental Chemistry

SKC/ser
Enclosure

Copy to: Kathy Singer
Howard County Environmental Health
EAB01A Chem File

ECOLOGICAL ANALYSTS, INC.

DRINKING WATER ANALYSIS

Source: New House, Kitchen Tap
Location: 3540 Country Side Drive
County: Howard

Requested by: Cher Chris Builders

Date Collected: 5/16/84 @ 10:30 am Time Collected: 10:30 am

Collected by: N. Maul

Water Temperature: 12 C Residual Cl₂: < 0.2 mg/l

Date/Time Received in Lab: 5/16/84 @ 11:25 am

Iced: Yes No

	<u>Units</u>	<u>Results</u>
Total Coliforms	MPN/100ML	< 2.2 (0 Tubes Positive)
Nitrate (asN)	Mg/L	6.11
Turbidity	NTU	1
Sand		Undetermined

Joe Weitzel *psrc*
Joseph M. Weitzel
Laboratory Manager

Mike Robison *psrc*
Michael M. Robison
Quality Control Officer

461-9933

December 27, 1984

Cher Chris Builders
10519 York Road
Cockeysville, Maryland 21030

RE: Countryside, Lot 23
3540 Countryside Drive
Joseph Wendell

To Whom It May Concern:

The water sample recently submitted for testing was free of coliform and fecal coliform bacteria at the time of sampling and is bacteriologically safe for drinking.

INTERIM CERTIFICATE OF POTABILITY

This certifies that the initial sampling requirements of COMAR 10.17.13 "Well Regulations" have been met for the water supply system installed under permit(s) HO-81-0348. No guarantee can be given for health protection beyond this date of issue. Based upon a satisfactory investigation and evaluation by the Howard County Health Department, the Department of Health and Mental Hygiene accepts this well system as required by COMAR 10.17.13.09.

This certificate may become final upon completion of the final bacteriological test which is to be taken by the county health department within six months. The well owner accepts his responsibilities under COMAR 10.17.13.10.

May 16, 1984
Date

Frank Skinner
Approving Authority
Frank Skinner, Director
Water and Sewerage Program

FS/CS: jr

Well Approved: 12/16/83
Septic Approved: 3/16/84

June 18, 1986

Mr. & Mrs. Wendell
3540 Countryside Drive
Ellicott City, Maryland 21043

Dear Mr. & Mrs. Wendell:

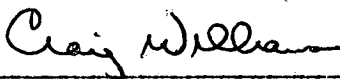
The water sample recently submitted for testing was free of coliform and fecal coliform bacteria at the time of sampling and is bacteriologically safe for drinking.

FINAL CERTIFICATE OF POTABILITY

This certifies that all sampling requirements of COMAR 10.17.13 "Well Regulations" have been met for the water supply system installed under permit(s) HO-81-0348.

April 21, 1986
Date of Final Sampling

April 28, 1986
Date of Acceptance



Craig Williams, Director
Water and Sewerage Program

CW/JS:JR

Date Well Approved: 12/16/83
Date Septic Approved: 3/16/84
Water Sample Dates: 4/04/86
4/21/86

25' DRAINAGE & UTILITY EASEMENT

(22)

(23)

(24)

638.78'

N 32° 58' 38" E 8'

N 40° 30' 40" E

SEPTIC AREA

2' WIDE TRENCHES

12"

DIST. BOX

SEPTIC TANK

FIN. OUT 73.0'

PROX. CAP

R=575.00'

A=245.00'

COUNTRYSIDE DRIVE
(50' R/W)

BP44438

PROPOSED SEPTIC SYSTEM

INV. OUT OF DWLG.	93.0'
INV. INTO SEPTIC TANK	92.5'
INV. OUT OF SEPTIC TANK	92.2'
INV. INTO DISTRIBUTION BOX	91.7'
INV. INTO TRENCH	91.5'
EX. & FINISHED GRADE AT TRENCH	95.0'

Approved 2/3/84
Joseph A. Merrill
Joyce & Wendell 2/3/84

SITE PLAN
OF
LOT 23

"COUNTRYSIDE"