

(5/22/92)
10% U.
R.P.

Tag ID-04-380456

PERMIT

SEWAGE DISPOSAL SYSTEM

P 48091

A 42115

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

INDEX - TIME EXPIRED FOR

DISTRICT 4th

DATE 5/11/92

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

F.C.O.P. COMPLIANCE

DATE SYSTEM APPROVED 5-22-92

5/2/92 C. Williams
INDEXED

INSPECTOR R.P. [Signature]

Frall Septic Service IS PERMITTED TO INSTALL X ALTER

ADDRESS P. O. Box 659, Mt. Airy, Maryland 21771 PHONE 795-1866

SUBDIVISION Quail Meadow LOT 20 ROAD 16601 Bahner Court

PROPERTY OWNER Frall Developers (Edward Dalkiewicz)

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240

TRENCHES - 180 sq. ft. per bedroom. Trench to be 3 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 5.0 feet below original grade. Effective area begins at 3.0 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Starting from left front lot corner as seen from Bahner Court, start first trench 165' down front lot line and 110' off this same lot line. Run trenches toward left rear lot corner along contours.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. *OK 6/10/91 Rjt*

PLANS APPROVED BY Mark Rifkin cm DATE 01/06/89

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

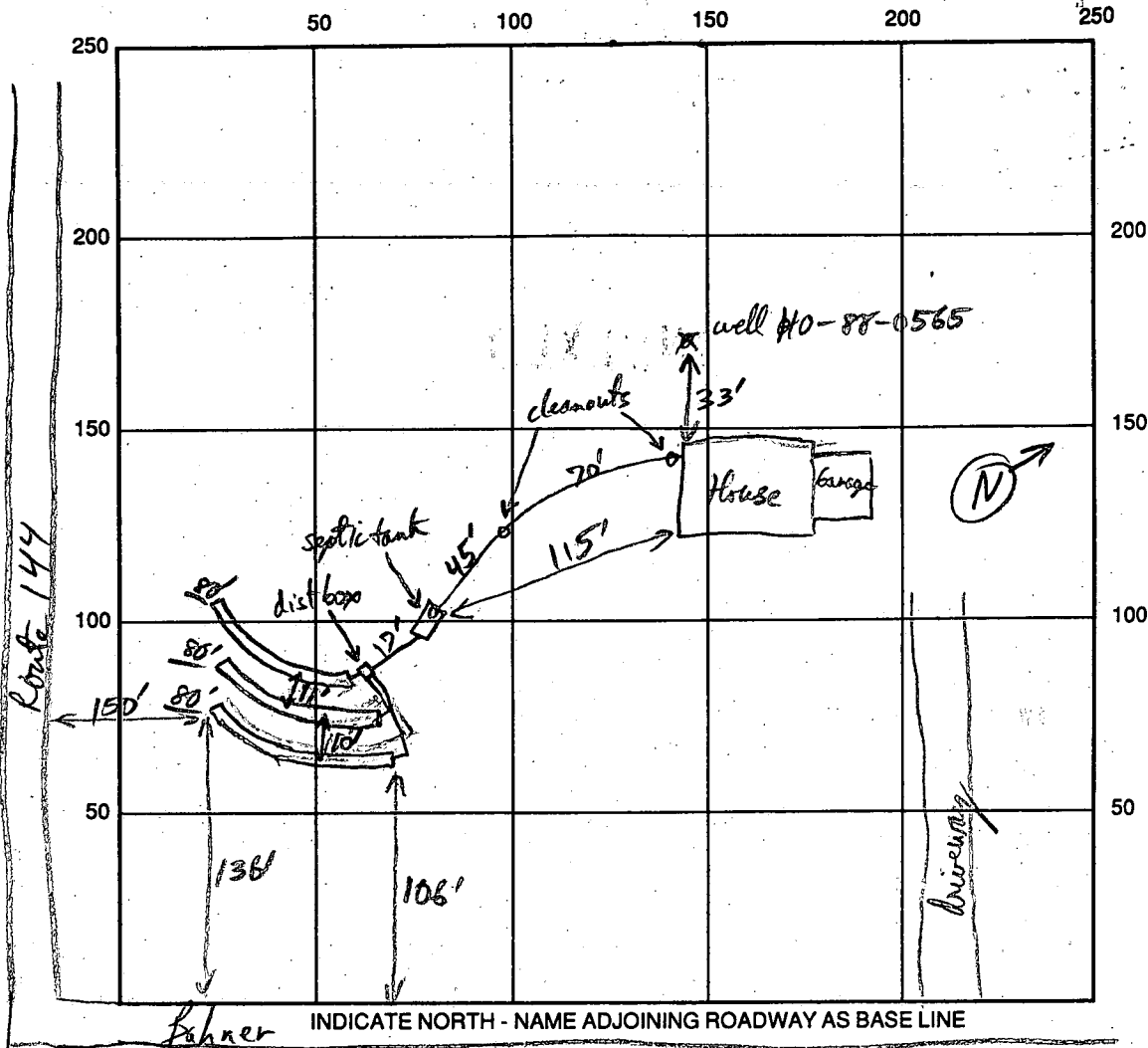
PERMIT VOID AFTER TWO YEARS

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
42115



SEPTIC TANK LEVEL ✓ 1250 gal CLEANOUTS ✓ ST end between House & Tank
 DISTRIBUTION BOX LEVEL ✓ leveled & dia to flows
 DRAIN FIELD/TITLE DEPTH 5' FT. TRENCH WIDTH 3' FT. INLET DEPTH 3' FT.
 EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 80/80/80 FT.
 NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 240 SQ. FT.
 DRYWALL INSIDE DIAMETER _____ FT. EFFECTIVE DEPTH BELOW INLET _____ FT.
 ABSORBENT AREA 720 SQ. FT.

REMARKS: A lot of rotten shelly rock dug out of trenches (Rock is crumbleble with pressure)
60-70% of system is in that material, (Sidewalls of exposed Trench only 40% the type material
and more weathered in upper 3ft). OK to Cover R/P 5/22/92

DATE SYSTEM APPROVED 5/22/92 INSPECTOR R/P [Signature]

APPLICATION

PERCOLATION TESTING

A 42115
P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE 461-9933

DISTRICT 4TH.
DATE 4/2/38

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 EDWARD J. AND PATRICIA KUNTZE Fall Developers Inc

ADDRESS 2828 FLORENCE ROAD, WOODBINE, MD. 21797 PHONE 489-1954

PROSPECTIVE BUYER CARMAN ASSOCIATES

ADDRESS P.O. BOX 122, ELLICOTT CITY, MARYLAND 21043 PHONE 442-5613

PROPERTY LOCATION: N/S MD. ROUTE 144 APPROX 1200' EAST OF WATERSVILLE ROAD

SUBDIVISION PROPERTY OF LAVINIA L. HOOD LOT NO. #20 on Final

ROAD AND DESCRIPTION COURT 'A' (16601 Bahner Court)

TAX MAP 7 PARCEL # 482

SIZE OF LOT 3 ACRES + TYPE BLDG SFD
(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.

[Signature]
CARMAN ASSOCIATES
GENERAL PARTNER
(SIGNATURE OF APPLICANT)

APPROVED BY Sid Albee FOR Standard trench DATE 11-21-88

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 10/25/88 Perc Satisfactory - Hold for PEAT. Sewer

BLDG. PERMIT SIGNED
AND RETURNED 9/5/91
Serial # 38167 - SFD
3 Bedrooms

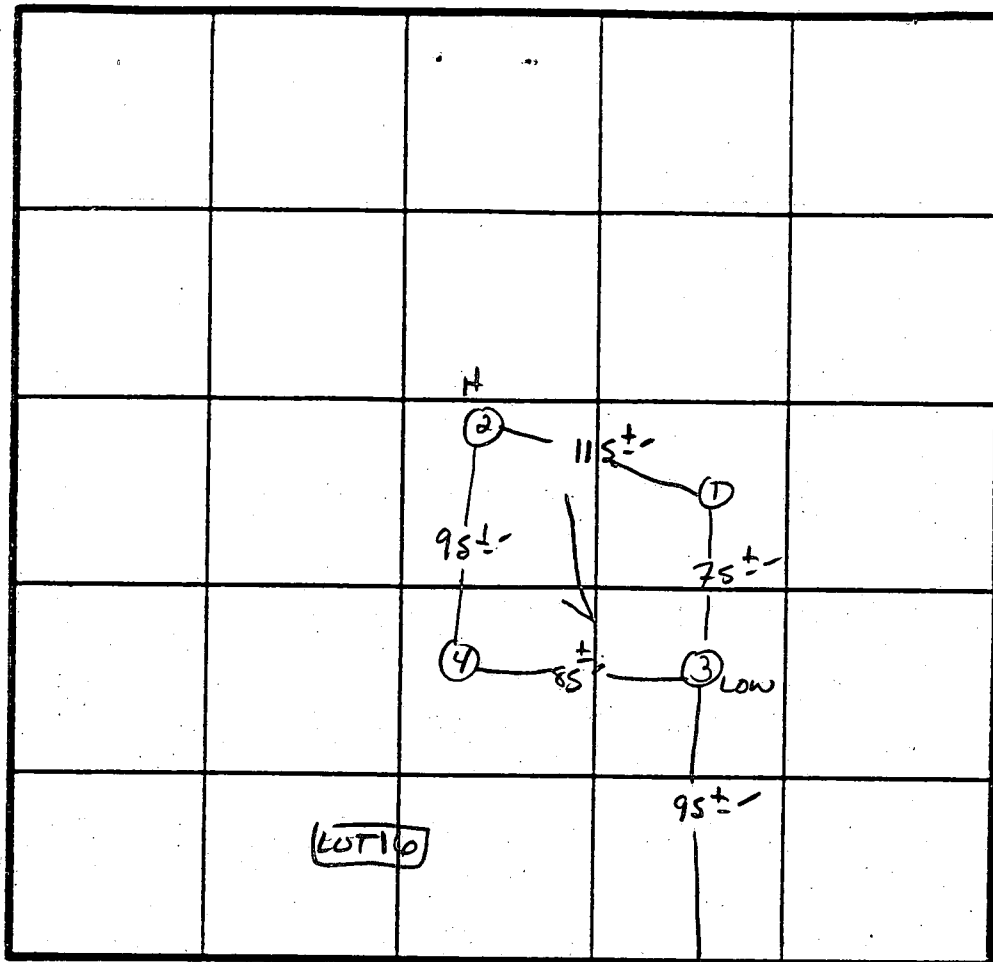
HD-216

THIS IS NOT A PERMIT

A-42115

①-④
SOIL PROFILE

6"
AP
411BR
silty loam
(clayey)
3-3.5
yellow BR
highly
micaceous
(shaly)
silt loam
15-30%
FRAG
FRAG
↑ TO
40-45%
AT 11"



̄ Perc
4min
180 #/BR
INLET 3.0
BOTTOM 5.0

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Rt 144

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
1/25/88	1 S V	4" 11.5"	10:07 UNIFORM	10:08 Soil below 3.5	10:08 3.5	10:11	3min
	2 S M	3.0" 9.0"	10:09	10:11	10:11	10:15	4min 4min
	2 V	13"	TYPICAL FOR PROFILE				
	3 S V	3.5" 13"	10:09 UNIFORM	10:11 Below 3.0	10:11	10:14	3min BOTTOM
	4 S V	3.5" 12.5"	10:12 UNIFORM	10:13 Soil below 3.0	10:13	10:16	3min

REMARKS Holes APPROX RAT - SHALLOW SYST. ONLY.

TYPE OF SOIL Clayey

TESTED BY S. Abel

ALSO PRESENT Phil M. Andrews
C. Essil

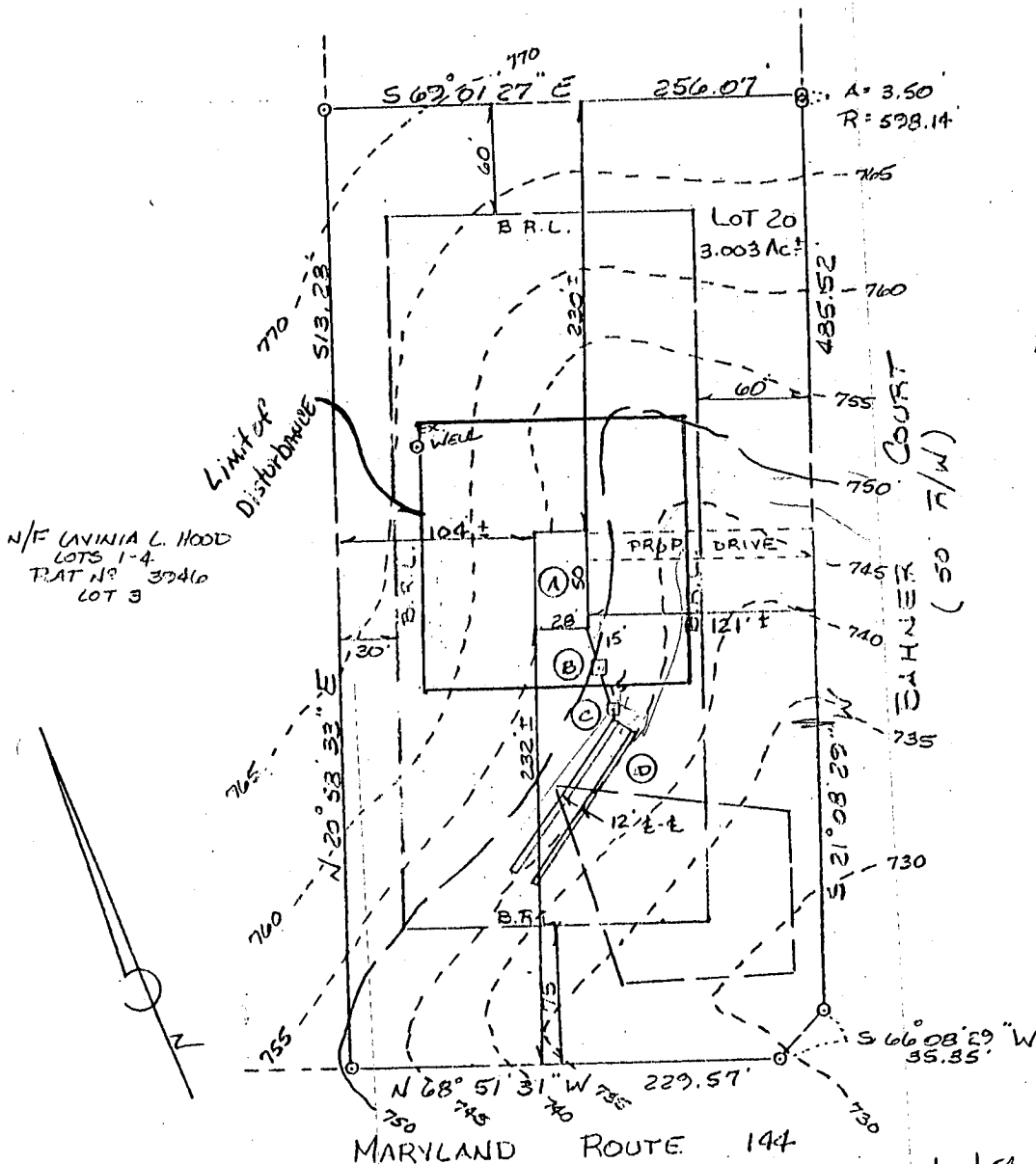
(A) PROP. HOUSE
 FF ELEV. = 755.1
 EXIST. ELEV. = 746.6
 INV. ELEV. = 745.4

(B) PROP. SEPTIC TANK
 EX. ELEV. = 747.6
 INV. IN = 745.2
 INV. OUT = 744.2

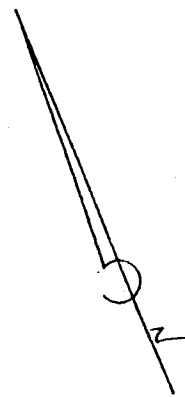
(C) PROP. DIST. BOX
 EX. ELEV. = 747.4
 INV. ELEV. = 744.7

(D) PROP. TRENCHES
 INV. ELEV. = 744.4
 2' STONE, 5' BOT. MAX.
 LENGTH TO BE
 DETERMINED AT TIME
 OF SEPTIC PERMIT
 ISSUANCE.
 3 BEDROOMS

LOT 19



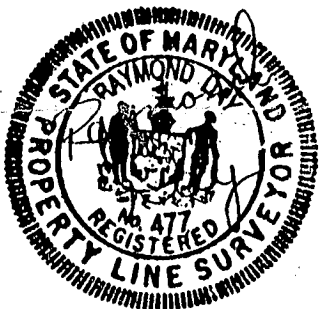
N/F LAVINIA L. HOOD
 LOTS 1-4
 PLAT N° 3746
 LOT 3



747
 744

6/5/91
 PLANS OK
 RH

PLOT PLAN
 LOT 20
 QUAIL MEADOW
 SITUATED ON BAHNER COURT
 ELECTION DISTRICT N° 4
 HOWARD COUNTY, MARYLAND
 SCALE: 1"=100' MAY 1991



I CERTIFY THIS PLAT TO BE CORRECT; IT IS THE RESULT OF AN ACTUAL FIELD SURVEY, BASED ON DATA FOUND AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND, AS REFERENCED HEREON.

LIBERTY SURVEY, INC.
 3020 BUFFALO ROAD
 NEW WINDSOR, MARYLAND
 301-875-2784 21776

REFERENCE	JOB NO.
PLAT N° 2354	21-04

B 1 **2224** SEQUENCE NO. (DP USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

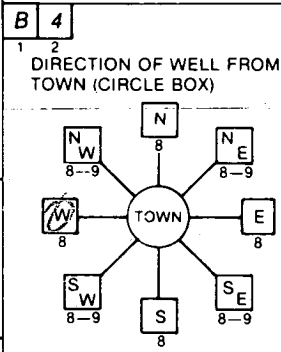
STATE OF MARYLAND
 PERMIT TO DRILL WELL
 please print or type

STATE PERMIT NUMBER
HO-88-0565
 fill in this form completely

Date Received (APA) **04/28/89**
 OWNER INFORMATION
PARMAN ASSOCIATES
 Last Name Owner First Name
20120X192
 Street or RFD
ELLICOTT CITY MARYLAND 21043
 Town State Zip

B 3 LOCATION OF WELL
HOWARD COUNTY
OWHIL MENSUOLS SUBDIVISION
 SECTION **20** LOT **20**
LISBON NEAREST TOWN
 MILES FROM TOWN (enter 0 if in town) **1 1/2** MI

DRILLER INFORMATION
Joseph L. Mayne License No. **238**
Joseph L. Mayne Well Drilling Inc
 Firm Name
5510 Ridge Rd. Mt. Airy 21771
 Address
Joseph L. Mayne Date **4/16/89**
 Signature



Bahner Court NEAR WHAT ROAD
 NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
Howard COUNTY NAME
A-42115 COUNTY NO.
 STATE SIGNATURE _____ DATE ISSUED **04/18/89**
 CO SIGNATURE **John Cal** EXP. DATE **4/18/90**
 NORTH GRID **549000** EAST GRID **0774000**

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)
 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)

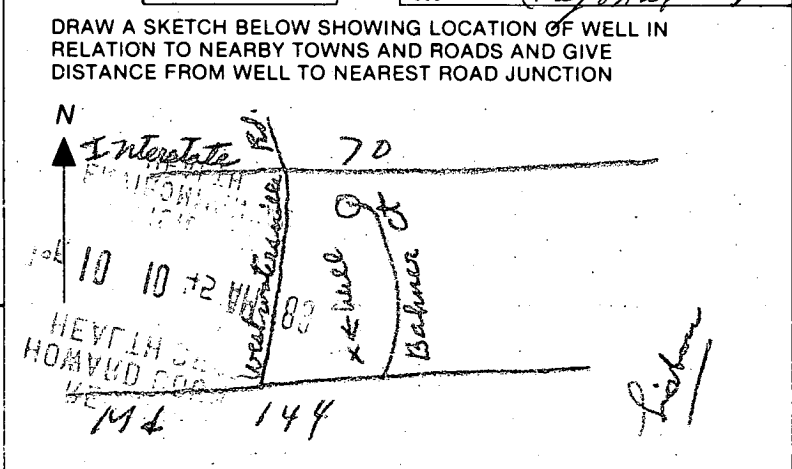
APPROXIMATE DEPTH OF WELL **200** FEET
 APPROXIMATE DIAMETER OF WELL **6** INCH NEAREST

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 DEEPEM 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 **SA** WRITE INITIALS IN BOX PERMIT NO. **HO-88-0565**

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
 E **7744**
 N **55049**
 DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION
 11/06/89 Well Driller
 13 Bags of cement
 63' casing
 53 1/2' Grout measured
 2 1/2' casing above ground C.B. & (Tayonaf ✓)



SPECIAL CONDITIONS
 COUNTY



HOWARD COUNTY HEALTH DEPARTMENT

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

Reply to: Charles B. Streaker
313-2640 or 313-2641

August 31, 1992

Mr. Ed Dalkiewicz
16601 Bahner Court
Mt. Airy, Maryland 21771

RE: Quail Meadows Subdivision
16601 Bahner Court
Well Permit No. HO-88-0565

Dear Mr. Dalkiewicz:

The water sample recently submitted for testing from the above referenced water supply revealed that nitrate-nitrogen was present at a concentration of 24.0 parts per million. COMAR 26.04.04.09 prohibits approval of any water supply with nitrate-nitrogen contaminant level in excess of 10 parts per million.

This department will grant a Permanent Deviation from that regulation if a nitrate removal device is installed that effectively maintains the nitrate-nitrogen contaminant level below the 10 parts per million requirements. Once the device is installed, it will be necessary for you to comply with the following conditions before a Final Certificate-of-Potability can be issued:

1. Within six months, you must have your water re-tested to insure that the installed nitrate removal system is operating properly. Thereafter, a yearly nitrate analysis is recommended.
2. There must be a continuing service contract with a plumbing contractor or water treatment service company to maintain the efficiency of the nitrate removal device. You must supply this Department with a copy of that contract.
3. If, in the future, you decide to sell or rent your home, you must make any potentially buyer/tenant aware of the above condition.

If you have any questions relative to this matter, or if the device has been installed and you are ready for resampling, please call me at 313-2640.

Very truly yours,

Charles B. Streaker, R.S.
Charles B. Streaker, R.S.
Water and Sewerage Program

✓
CBS:hs

Bureau of Environmental Health
3525-H Ellicott Mills Drive Ellicott City, Maryland 21043-4544
Water and Sewerage, Permits 313-2640 Community Environmental Health 313-2642
Technical Services 313-2644 Director 313-2645 TDD 313-2323