

5/7/93 AM

Tap ID - 04 - 350375

# PERMIT

*Final*

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 49134

A 42108

DISTRICT 4th

DATE 4/13/93

DATE SYSTEM APPROVED 5/7/93

INSPECTOR C. Bell

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH

~~461-9933~~ 313-2640

INDEXED

Frall Developers, Inc. IS PERMITTED TO INSTALL X ALTER

ADDRESS P. O. Box 659, Mt. Airy, Maryland 21771 PHONE 410-795-1866

SUBDIVISION Quail Meadow LOT 13 ROAD 16648 Bahner Court

PROPERTY OWNER Frall Developers Douglas Pindell Mohamed KUAN

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 feet below original grade. Bottom maximum depth 5 feet below original grade. Effective area begins at 3 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - As seen from Bahner Court, place distribution box 75' from the right (473.64') lot line and 170' from the left (390.71') lot line. Run trenches in both directions 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 6/5/91 RP OK 3/10/92 RH

PLANS APPROVED BY Mark Rifkin cm DATE 4/10/91

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

BLDG. PERMIT SIGNED AND RETURNED 6/15/95  
Serial # 60279 -  
deh/pouch

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

A 42108



# APPLICATION

PERCOLATION TESTING

A 42108

P \_\_\_\_\_

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

DISTRICT 4TH

DATE 4/2/88

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 Frall Developers Inc

ADDRESS 2828 FLORENCE ROAD, WOODBINE, MD. 21797 PHONE 795-1864  
~~439-4959~~

PROSPECTIVE BUYER CARMAN ASSOCIATES

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

PROPERTY LOCATION: N/S MD. ROUTE 144 APPROX 1300' EAST OF WATERSVILLE ROAD

SUBDIVISION PROPERTY OF LAVINIA L. HOOD LOT NO. #13 on Final

ROAD AND DESCRIPTION COURT 'A' (16648 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 Sidell 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 Permi. Sabu

BLDG. PERMIT SIGNED AND RETURNED 4/23/93 Serial # 47306-SFD 4 Bedrooms  
BLDG. PERMIT SIGNED AND RETURNED 4/4/91 Serial # 38128-SFD 3 Bedrooms

# THIS IS NOT A PERMIT

HD-216

A-42108

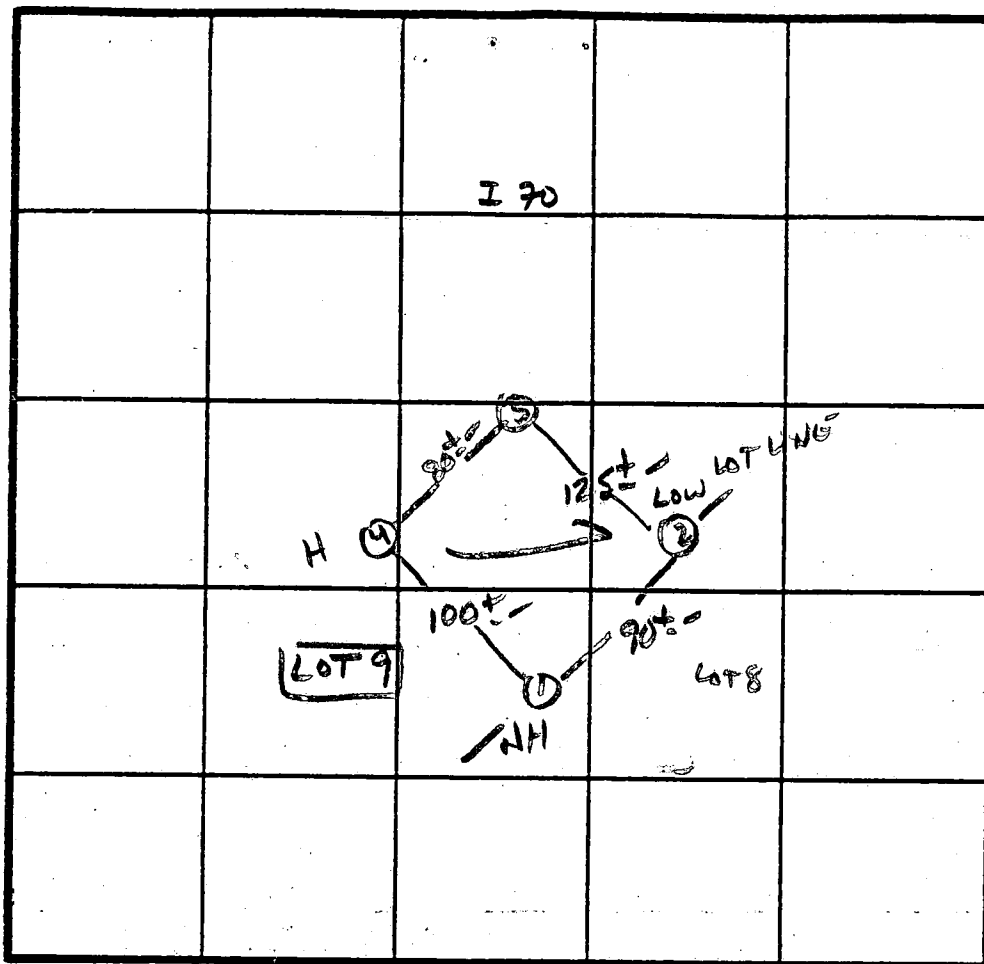
SOIL PROFILE

0" 5" 3" 12"

AP

STRONG BR SILT LOAM (clay) <15% frags

Brown-yellow Br Silt loam 20-25% frags



X Perc  
6 min  
150 # 1BR  
Inlet 3"  
Bottom 5"

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

R1144

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/25/88	1S	3.5"	12:42	12:44	12:44	12:48	4 min
		7.5"	12:42	12:44	12:44	12:49	5 min
	1V	12"	AS Profiled.				
	2S	3.5"	12:53	12:55	12:55	12:59	4 min
		12"	similar to Profile		FRAG 40%	40% AT	11"
	3S	3.5"	12:54	12:55	12:55	12:58	3 min
	4S	11.5"	similar to #4				
		3"	12:47	12:48	12:48	12:51	3 min
		12"	more frags - MASSIVE AT 10" w				SOME STRUCTURE

REMARKS Holes APPROX PLAT - SHALLOW JUST ONLY.

TYPE OF SOIL MANOK

TESTED BY S. Abel

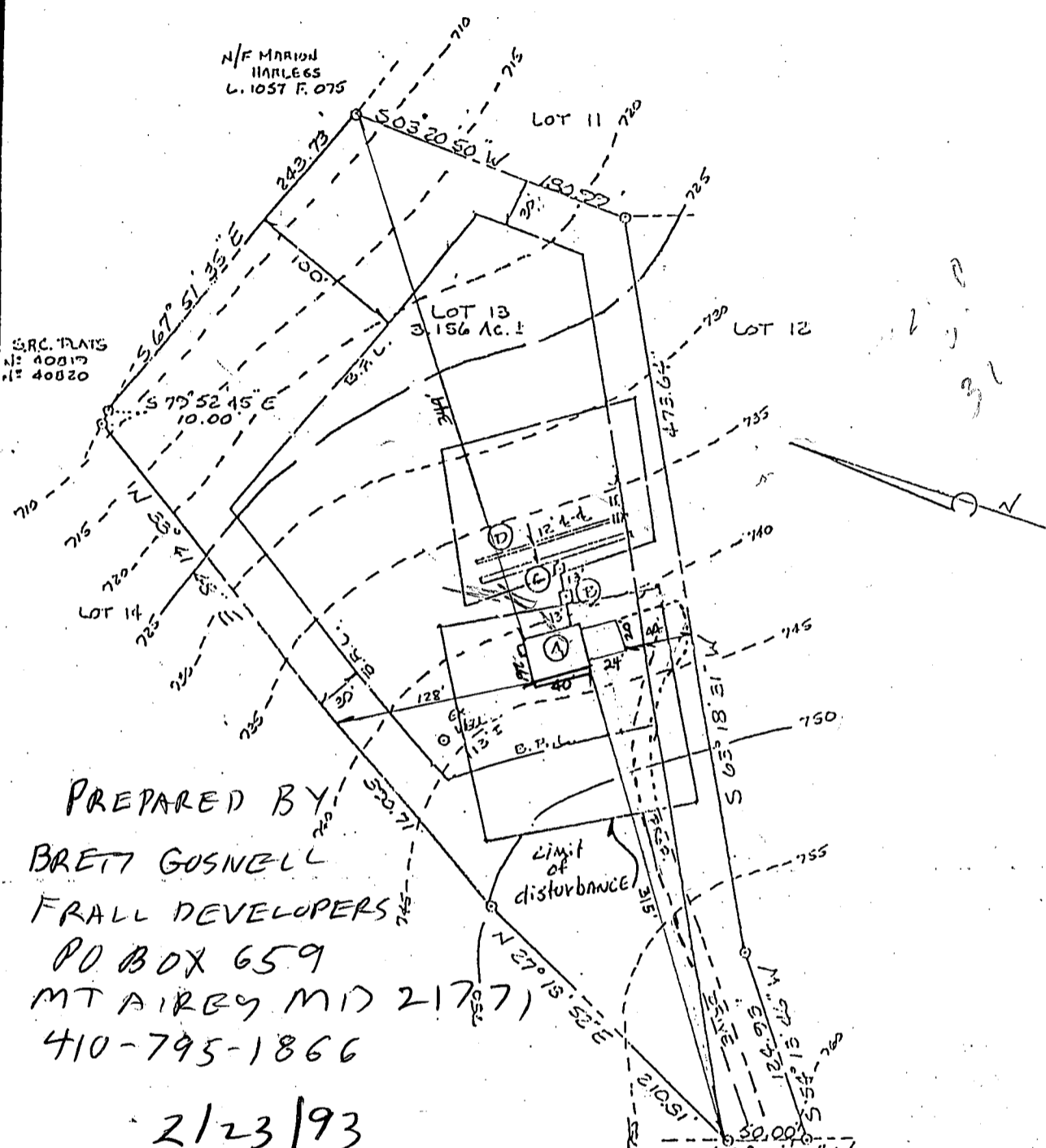
ALSO PRESENT Phil M. Andrews  
Randy  
Gisset

(A) PROP. HOUSE  
 F.F. ELEV. = 745.4  
 BSMF ELEV. = 736.9  
 INV. ELEV. = 735.7

(B) PROP. SEPTIC TANK  
 EX. ELEV. = 739.0  
 INV. IN = 735.5  
 INV. OUT = 735.2

(C) PROP. DIST. BOX  
 EX. ELEV. = 737.8  
 INV. ELEV. = 735.1

(D) PROP. TRENCHES  
 INV. ELEV. = 734.8  
 2' STONE 5' BOT. MAX.  
 LENGTH TO BE DETERMINED AT TIME  
 OF SEPTIC PERMIT ISSUANCE.



PREPARED BY  
 BRETT GOSNELL  
 FRALL DEVELOPERS  
 PO BOX 659  
 MT AIRY MD 21771  
 410-795-1866

2/23/93  
 REVISED PLANS OK  
 BP 47306  
 (Formerly BP38128)  
 B/H

N 17° 00' 00" W  
 630.00'  
 BANNER COURT  
 (50' R/W)

PLOT PLAN  
 LOT 13  
 QUAIL MEADOW  
 SITUATED ON BANNER COURT  
 ELECTION DISTRICT N° 4  
 HOWARD COUNTY, MARYLAND  
 SCALE: 1" = 100'  
 FEB. 1993

*show*  
*not to scale*  
*for reference only*

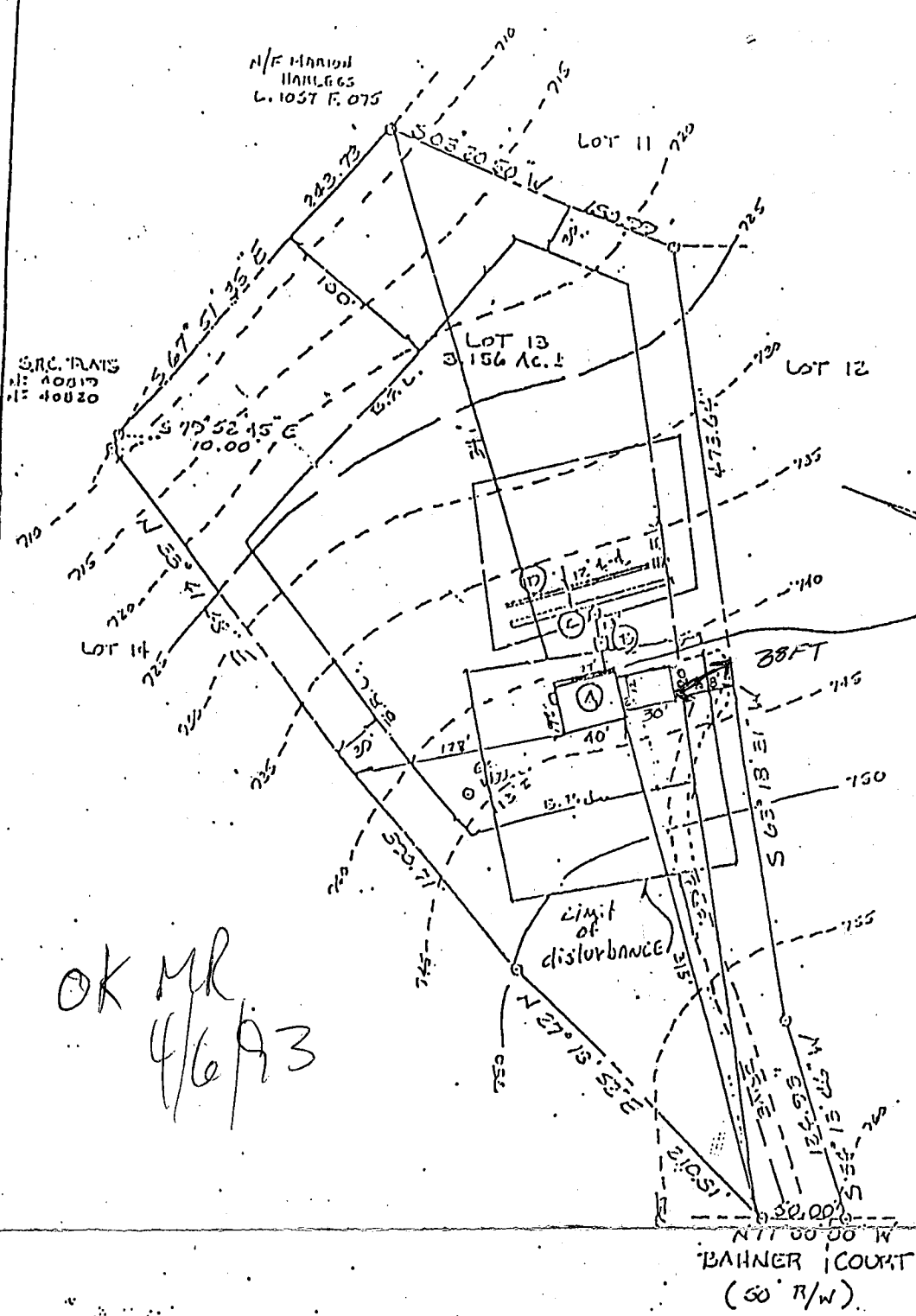
*J.P.*

(A) PROP. HOUSE  
 FT. ELEV. = 745.4  
 USPT ELEV. = 736.9  
 INV. ELEV. = 735.7

(B) PROP. SEPTIC TANK  
 EX. ELEV. = 739.0  
 INV. IN = 735.5  
 INV. OUT = 735.2

(C) PROP. DIST. BOX  
 EX. ELEV. = 737.8  
 INV. ELEV. = 735.1

(D) PROP. PORCHES  
 INV. ELEV. = 734.8  
 2" SLOPE, 5' DIST. MAX.  
 LENGTH TO BE DETERMINED AT TIME  
 OF SEPTIC PERMIT ISSUANCE.



upstairs cantilevered 2'  
 37' Section of 1st FLOOR  
 Cantilevered 2'

Garage DIMENSIONS ARE  
 CHANGING TO 20'x30'. INSIDE  
 garage will be a 6'x12'  
 MUD ROOM.

OK MR  
 4/6/93

BAHNER COURT  
 (50' R/W)

#47306

REVISED

Date: 4-6-93

Comments: garage size changed

PLAT PLAN  
 LOT 13  
 QUAIL MEADOW  
 SITUATED ON BANNER COURT  
 ELECTION DISTRICT #4  
 HOWARD COUNTY, MARYLAND  
 SCALE: 1"=100'  
 FEB. 1993  
 Revised 3/22/93  
 cantilevered construction  
 Revised 4/5/93 - GARAGE  
 dimension.

B 1 **2230** SEQUENCE NO. (DP USE ONLY)  
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

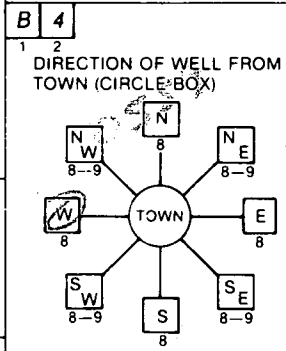
STATE OF MARYLAND  
**PERMIT TO DRILL WELL**  
 please print or type

STATE PERMIT NUMBER  
**HO-88-0559**  
 fill in this form completely

Date Received (APA) **041289**  
**OWNER INFORMATION**  
**CARMAN ASSOCIATES**  
 Last Name Owner First Name  
**P.O. Box 122**  
 Street or RFD  
**ELLICOTT CITY MARYLAND 21043**  
 Town State Zip

B 3 LOCATION OF WELL  
**HOWARD** COUNTY  
**CHATEL MEADOWS** SUBDIVISION  
 SECTION **44** LOT **13**  
**LISBON** NEAREST TOWN  
 MILES FROM TOWN (enter 0 if in town) **1 1/2** MI

**DRILLER INFORMATION**  
**Joseph L. Mayne** Driller's Name License No. **238**  
**Joseph L. Mayne Well Drilling** Firm Name  
**5512 RIDGE RD. MT. AIRY 21771** Address  
**Joseph L. Mayne** Signature Date **4/11/89**



**Banner Court** NEAR WHAT ROAD  
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
 DISTANCE FROM ROAD **250** FT

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)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL  
**Howard** COUNTY NAME COUNTY NO. **A-42108**  
 STATE SIGNATURE \_\_\_\_\_ DATE ISSUED **041889**  
**Sichy Albin** CO SIGNATURE EXP. DATE **4/18/90**  
 NORTH GRID **550000** EAST GRID **077400**  
 EXTENDED MR 10/18/89

APPROXIMATE DEPTH OF WELL **200** FEET

APPROXIMATE DIAMETER OF WELL **6** 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 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 **G A P**  
 FORCE **SA** WRITE INITIALS IN BOX PERMIT No. **HO-88-0559**

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 **774** Y  
 N **550** 0  
 DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION





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## HOWARD COUNTY HEALTH DEPARTMENT

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

November 3, 1993

Ms. B. Pindell  
16648 Bahner Court  
Mt. Airy, MD 21771

RE: Lot #13 Quail Meadows  
16648 Bahner Court  
Well Permit #HO-88-0559

Dear Mrs. B. Pindell:

This is a follow-up letter to inform you that a monitoring sample is needed to confirm the water supply(s) nitrate level is in conformance with the present regulation. The water sample (tested on date or recently submitted for testing of 11/01/93) was found to contain a nitrate level of 13.6 parts per million which exceeds the safe level of 10 parts per million for well #HO-88-0557 per our records. Levels in excess of 10 parts per million have been found to cause methemoglobinemia, (blue baby syndrome) in babies. This water should not be used for babies or to prepare formula. This sample was non treated per our sampler.

Current well regulations (COMAR 26.04.04.) adopted in November, 1980 prevents the health department from approving any water supply which has a nitrate level which exceeds the maximum contaminant level of 10 parts per million.

You are requested to call this office at 461-9933 to arrange an appointment for a nitrate sample from an inside tap which is the most reliable location from which to obtain a safe sample.

Presently there is no charge for this service.

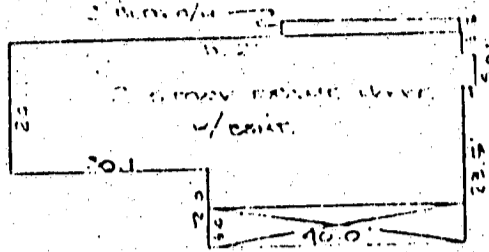
Very truly yours,

*Charles B. Streaker, R.S.*

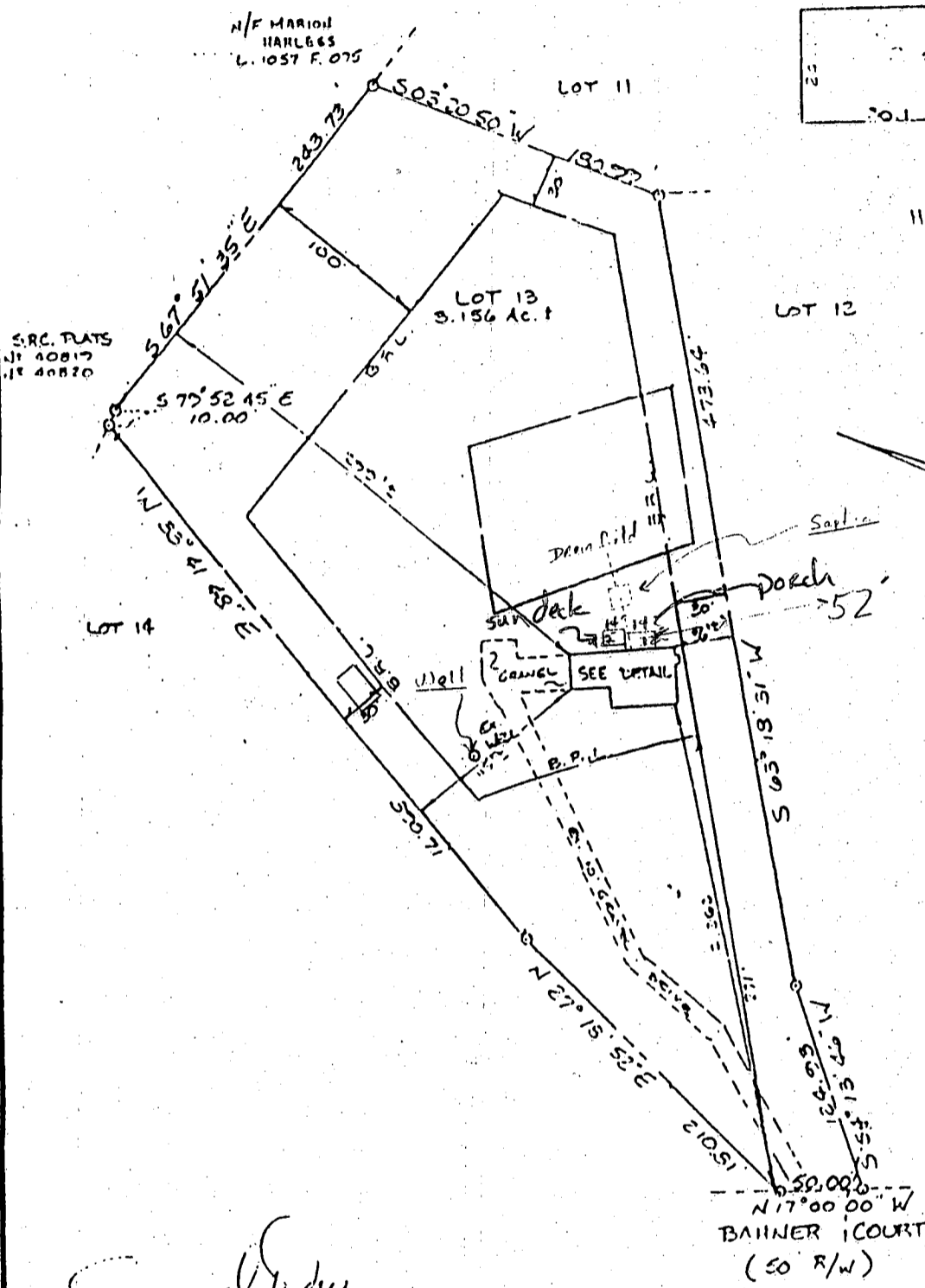
Charles B. Streaker, R.S.  
Water and Sewerage Program

CBS:hsm

N/F MARION  
HANLBERG  
L. 1057 F. 075



HOUSE DETAIL  
SCALE: 1" = 30'



6-15-95  
Proposed deck  
location will  
have no impact to  
existing well and  
septic. OK to proceed  
A. McMullen



5/10/93

HOUSE LOCATION SURVEY  
LOT 13  
QUAIL MEADOW  
16618 BANNER COURT  
ELECTION DISTRICT N-4  
HOWARD COUNTY, MARYLAND  
SCALE: 1" = 100' MAY 1993

Note: Property is not located within a flood hazard area according to national flood insurance program, flood insurance rate map, community panel number: 240044 0007 B

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.	
REFERENCE	JOB NO.
PLAT N° 9355	21-04

LIBERTY SURVEY, INC.  
4140 RIDGE ROAD  
TAYLORVILLE, MARYLAND

410-375-0722

21127