

Tap ID - 54-350294

3/2/92 11:00
3/3
3/4 A 5:20

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 47832

A 42100

DISTRICT 4th

DATE 2/13/92

DATE SYSTEM APPROVED 3-4-92

INSPECTOR R. P. Miller

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEXED

Frall Septic Service, Inc. IS PERMITTED TO INSTALL ALTER

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

SUBDIVISION Quail Meadow LOT 5 ROAD 16600 Bahner Court

PROPERTY OWNER Frall Developers, Inc. (Joe N)

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM 720 sq. ft. for 4 bedrooms.

LINEAR FEET OF TRENCH REQUIRED 180 linear feet for 4 bedrooms.

TRENCHES - 180 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 3.5 feet below original original grade. Bottom maximum depth 7.5 feet below original grade. Effective area begins at 3.5 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Start first trench 200' from front (229.57') lot line and 85' from right (532.43') lot line. Run trenches on contour to left side of lot.

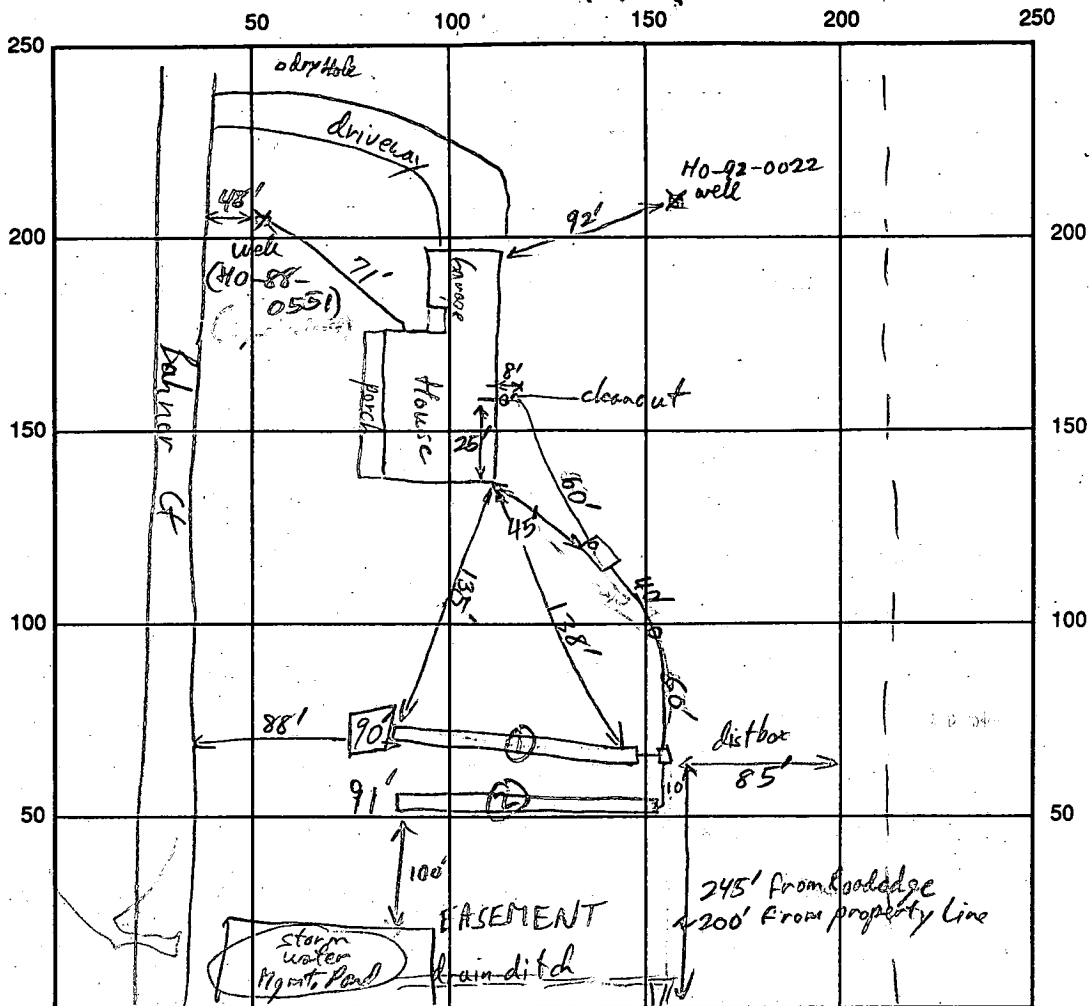
NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade above on septic tank. OK 6/7/91 RH

PLANS APPROVED BY Mark Rifkin cm DATE 6/3/91

- 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

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

A 42100



Route 144 INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 1250 gal CLEANOUTS @ Septic Tank inlet and 58' from dist box
 DISTRIBUTION BOX LEVEL
 DRAIN FIELD/TITLE DEPTH 7.5/7 1/2 FT. TRENCH WIDTH 2 FT. INLET DEPTH 3.5/3 1/2 FT.
 EFFECTIVE GRAVEL DEPTH 4 1/2 FT. TOTAL LENGTH 2 @ 90' FT.
 NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 2 @ 360 SQ. FT.
 DRYWALL INSIDE DIAMETER FT. EFFECTIVE DEPTH BELOW INLET FT.
 ABSORBENT AREA 720 SQ. FT.

REMARKS: One pocket of hard micaceous schist rock fragments (60-70%) about 15 ft from db. in first trench
OK to gravel fill 1st trench - call for rest of system tomorrow w/ R/P 3-2-92
3/3/93 OK TO CONTINUE w/ TRENCHES MR
3/4/92 OK to cover R/P

Pitless adapter & water line checked - OK R/P 3-2-92
 DATE SYSTEM APPROVED 3-4-92 INSPECTOR Frank Peck

APPLICATION

*Preliminary
10-25-88
9:30am*

PERCOLATION TESTING

Mod - 4/3/88

*Check is in
5759*

A 42100
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 795-1846
489-4969

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. X 5 on Final

ROAD AND DESCRIPTION COURT 'A' (166M Bahner Ct.)

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 Srd Abdul FOR Deep trenches DATE 11/21/88

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 10/25/88 Per SATISFACTORY Hold for PIAT. Schem.

*REVISED TO
4 BR BP 40461
12/3/91*

BLDG. PERMIT SIGNED
AND RETURNED 4/3/91
Serial # 38123-SFD
3 Pachrom

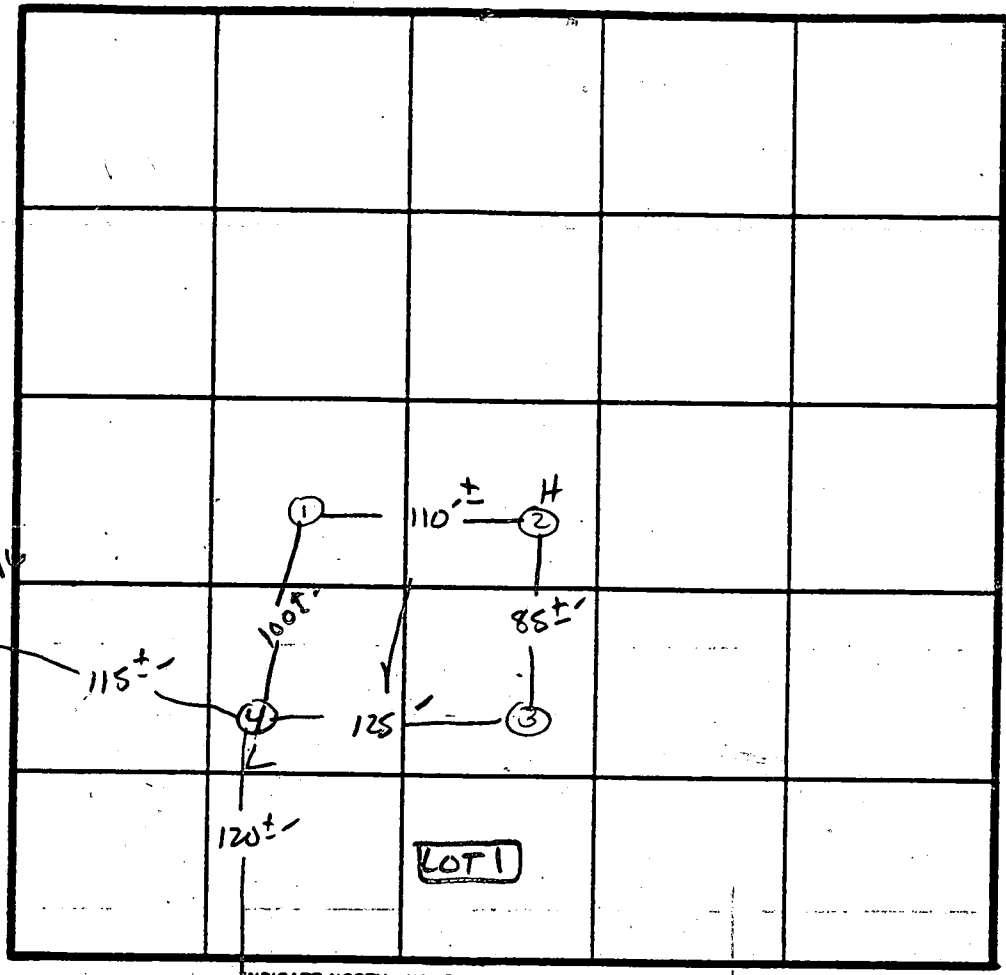
HD-216

THIS IS NOT A PERMIT

A-42100

SOIL PROFILE

| | |
|------|---|
| 0 | AP |
| 7' | STRONG BR Silt loam (clayey) 15-25% |
| 3.0' | Frag |
| 3.5' | STRONG BR Silt loam 25-35% Frag Shaley |
| 13' | |



X Perc
3 min
180 # 13R
Inlet 3.5
Bottom 7.5

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Rt 144

| DATE | TEST NO. | DEPTH | PRE-WET | | TEST - 1" DROP | | TIME | |
|----------|----------|-------|------------------------|-----------------|----------------|-------|-------|--|
| | | | START | STOP | START | STOP | | |
| 10/25/88 | 1 S | 4' | 9:59 | 10:00 | 10:00 | 10:03 | 3 min | |
| | 1 M | 8.5' | 9:58 | 10:00 | 10:00 | 10:02 | 2 min | |
| | 1 V | 13' | Profile - As described | | | | | |
| | 2 S | 3.5' | 10:01 | 10:02 | 10:02 | 10:04 | 2 min | |
| | 2 V | 12.5' | Uniform | Soil below 3.0' | | | | |
| | 3 S | 3.5' | 10:01 | 10:02 | 10:02 | 10:04 | 2 min | |
| | 3 V | 12.5' | Uniform | Soil below 3.0' | | | | |
| | 4 S | 4.0' | 10:04 | 10:06 | 10:06 | 10:11 | 5 min | |
| | 4 V | 13' | Uniform | Soil below 3.0' | | | | |

REMARKS Holes APPROX TO PLAT

TYPE OF SOIL Glenelg

TESTED BY S. Abel

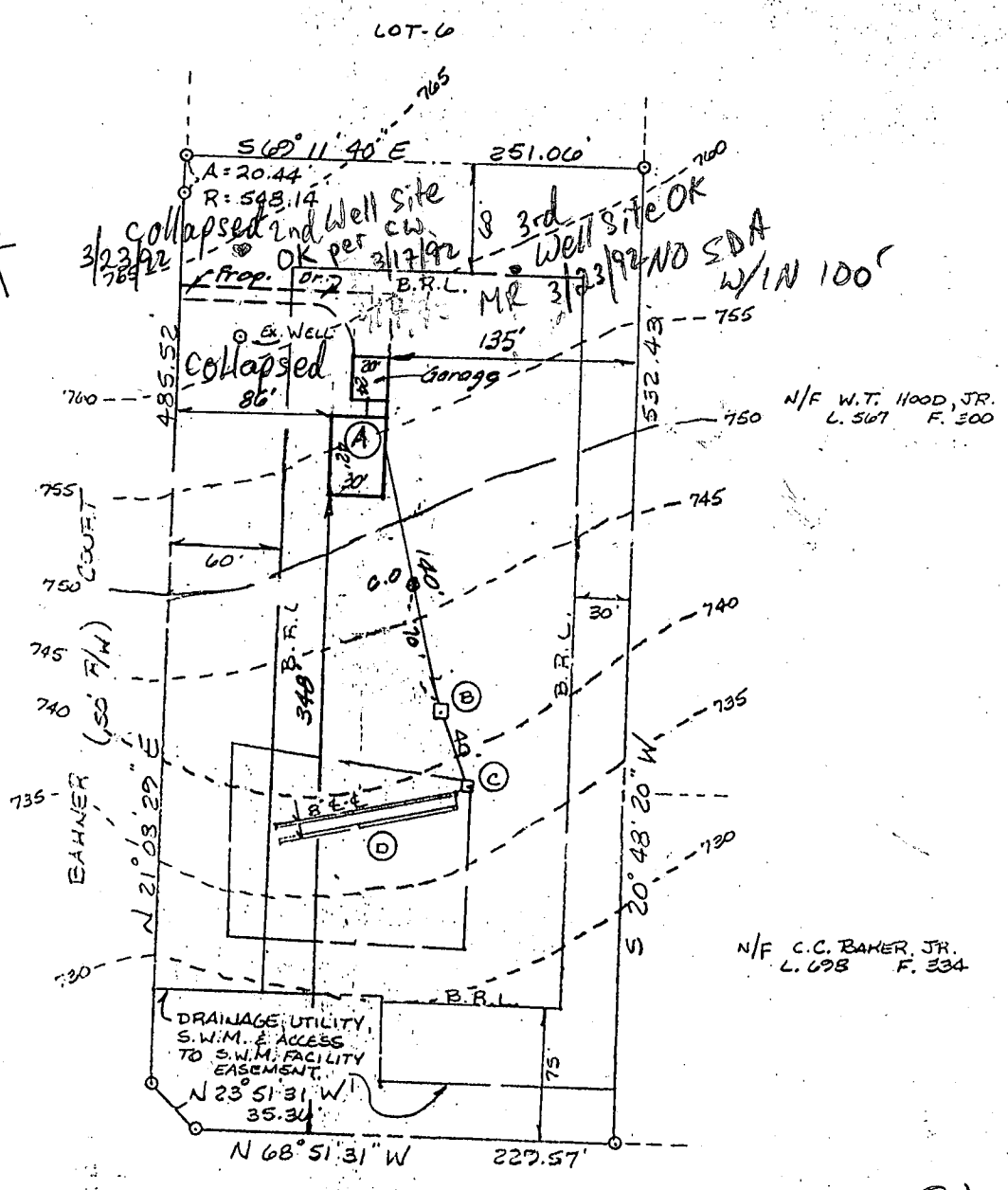
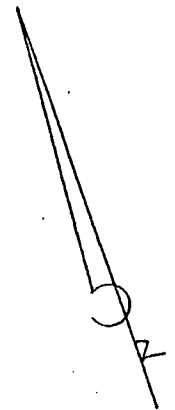
ALSO PRESENT Phil M. Andrus
Lu Russel

① PROP. HOUSE
 F.F. ELEV. = 756.2
 B.S.M.T. ELEV. = 747.5
 INV. ELEV. = 746.3
 4 Bedroom Hse

② PROP. SEPTIC TANK
 EX. ELEV. = 741.2
 INV. IN = 738.0
 INV. OUT = 737.8

③ PROP. DIST. BOX
 EX. ELEV. = 738.4
 INV. ELEV. = 735.2

④ PROP. TRENCHES
 INV. ELEV. = 734.9
 4" STONE, 7.5" BOT. MAX.
 LENGTH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.



MARYLAND ROUTE 144

3 DEC 91
 REVISED PLANS OK
 B-40481
 RIT

PLOT PLAN
 LOT 5
 QUAIL MEADOW
 SITUATED ON BANNER COURT
 ELECTION DISTRICT N° 4
 HOWARD COUNTY, MARYLAND
 SCALE: 1" = 100' MAY 1991

Revised: 12-3-91 - Per Health Dept Comments
 Revised: 19 Nov. 91 - House location
 Revised: 10 Nov. 91 - House TYPE

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° 9354 | |



R.C.B., INC.
R. CRAIG BERNER, INC.

Land Planning, Surveying and
 Land Development Consultants

3163-402 Pine Orchard Lane 301-461-2689
 Ellicott City, MD 21043 301-795-1866

B 1 **5529** SEQUENCE NO. (DP USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

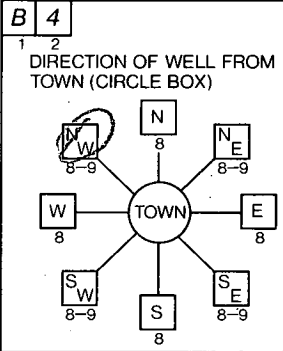
STATE OF MARYLAND
 APPLICATION FOR PERMIT TO DRILL WELL
 please print or type

STATE PERMIT NUMBER
HO-92-0022
 fill in this form completely

OWNER INFORMATION
 Date Received (APA) **03 17 92**
FRALL DEVELOPER
 Last Name Owner First Name
UCK **659**
 Street or RFD
44 **111V** **MIS-1771**
 Town State Zip

LOCATION OF WELL
HOWARD
 COUNTY
CHATELAIN APARTMENTS
 SUBDIVISION
 SECTION **5** LOT **5**
LISBON
 NEAREST TOWN
 MILES FROM TOWN (enter 0 if in town) **1 1/2** **MI**

DRILLER INFORMATION
Joseph P. Mayne License No. **238**
Joseph P. Mayne Well Drilling
 Firm Name
5512 Ridge Rd. Mt. Airy, Md. 21771
 Address
Joseph P. Mayne **3/17/92**
 Signature Date



Bahner Court
 NEAR WHAT ROAD
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 NORTH [] WEST [] EAST [] SOUTH []
 DISTANCE FROM ROAD **45** 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
 County Name **Howard** County No. **A42100**
 State Signature _____ Date Issued **9/17/92**
 CO Signature **Chris Williams** Exp. Date _____
 NORTH GRID **549 000** EAST GRID **0774 000**

APPROXIMATE DEPTH OF WELL **280** FEET
 APPROXIMATE DIAMETER OF WELL **6** NEAREST INCH

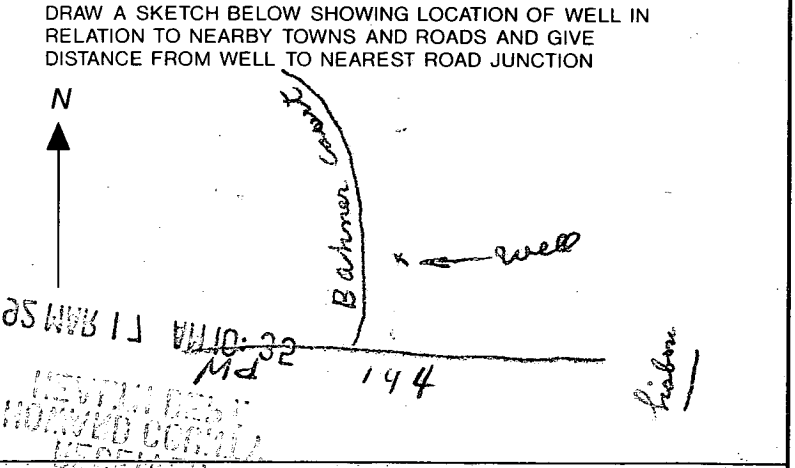
METHOD OF DRILLING (circle one)
 BORED (or Augered) JETTED Jetted & DRIVEN
 AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)
 CABLE REVerse-ROTary Drive-POINT
 other _____

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 **770 4**
 N **540 44**

*9 AM 3/25/92
 location OK
 casing 66'
 open 40'
 grout 17 bags
 (4 bags indry well)
 R/P 3-25-92*

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 **CW** WRITE INITIALS IN BOX PERMIT No. **HO-92-0022**

SPECIAL CONDITIONS **REARACING WELL NOT YET APPROVED FOR SERVICE - YIELD TEST REQ'D.**

C1 **1453** SEQUENCE NO. (DENV USE ONLY)
 1 2 3 6
 (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 **A42100**

ST/CO USE ONLY DATE Received [] [] [] [] [] [] DATE WELL COMPLETED **032592** Depth of Well **385** (TO NEAREST FOOT) PERMIT NO. FROM "PERMIT TO DRILL WELL" **40-92-0022**

OWNER **FALL DEVELOPERS** last name **16600 BANNERCT** first name **LISBOW** TOWN **LISBOW**
 SUBDIVISION **CRANE MEADOWS** SECTION [] LOT **5**

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 | | Check if water bearing |
|---|------|-----|------------------------|
| | FROM | TO | |
| Brown Shale | 0 | 63 | |
| Blue Rock | 63 | 385 | |

DRY WELL 365
 Filled in with cement + drilling materials

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) YES NO
 TYPE OF GROUTING MATERIAL
 CEMENT BENTONITE CLAY
 NO. OF BAGS **17** NO. OF POUNDS **1598**
 GALLONS OF WATER [] [] [] []
 DEPTH OF GROUT SEAL (to nearest foot)
 from **0** ft. to **47** ft.
 (enter 0 if from surface)

CASING RECORD
 casing types. insert appropriate code below
 ST STEEL CO CONCRETE
 PL PLASTIC OT OTHER
 MAIN CASING TYPE S+ Nominal diameter top (main) casing (nearest inch) **6** Total depth of main casing (nearest foot) **66**

OTHER CASING (if used)
 diameter inch [] [] depth (feet) from [] to []

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

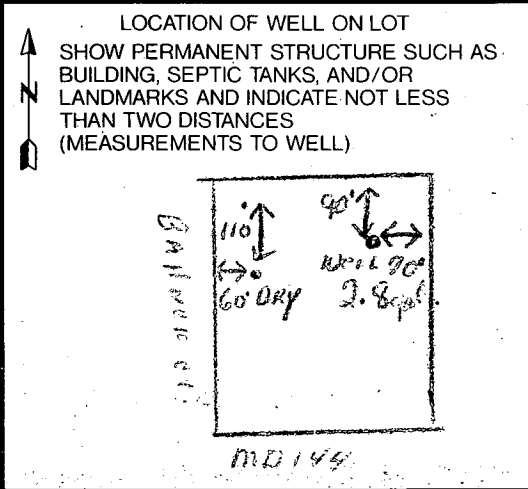
C2
 DEPTH (nearest ft.)
 1 **H O 65** 3 **385**
 2 [] [] [] [] [] [] [] [] [] []
 3 [] [] [] [] [] [] [] [] [] []
 SLOT SIZE 1 [] 2 [] 3 []
 DIAMETER OF SCREEN [] (NEAREST INCH)
 from [] to []

GRAVEL PACK []
 IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

O&P USE ONLY (NOT TO BE FILLED IN BY DRILLER)
 T (E.R.O.S.) [] W Q [] [] []
 TELESCOPE CASING LOG INDICATOR OTHER DATA

C3
PUMPING TEST
 HOURS PUMPED (nearest hour) **6**
 PUMPING RATE (gal. per min. to nearest gal.) **208**
 METHOD USED TO MEASURE PUMPING RATE **Bucket**
 WATER LEVEL (distance from land surface)
 BEFORE PUMPING **56**
 WHEN PUMPING **781**
 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 YES NO
 IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE
 TYPE OF PUMP INSTALLED []
 PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE: []
 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 } LAND SURFACE [] (nearest foot)
 - below }



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 IDENT. NO. **238**
 DRILLERS SIGNATURE **[Signature]**
 SITE SUPERVISOR (sign-of driller or journeyman responsible for sitework if different from permittee)