

7-28-89  
AM ASAP  
PM

05-408067

# PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH DISTRICT 5th

**HOWARD COUNTY**  
BUREAU OF ENVIRONMENTAL HEALTH  
461-9933

P 44781  
A 37384 B

DATE 7/26/89

DATE SYSTEM APPROVED 7/28/89

INSPECTOR M. Rifkin

INDEXED

Fred Dickson - Foreman  
596-9711  
James Silverman Builders

IS PERMITTED TO INSTALL  ALTER

ADDRESS \_\_\_\_\_ PHONE 202-333-5454

SUBDIVISION Dunfarmin Estates ROAD 5501 Smallwood Ct LOT 13

PROPERTY OWNER James Silverman

ADDRESS \_\_\_\_\_

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 - 180 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 9 feet below original grade. Effective area begins at 4 feet below original grade. 5 feet of stone below distribution pipe.

LOCATION - Start the first trench 180 feet from the front lot line and 70 feet from the left (148.83') lot line as seen when facing the lot from Smallwood Court. Run trenches on contour toward the rear of lot.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. ok/cw

PLANS APPROVED BY Sid Abel DATE 4/07/89

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

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 TRENCHES ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCHES

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 TWO YEARS

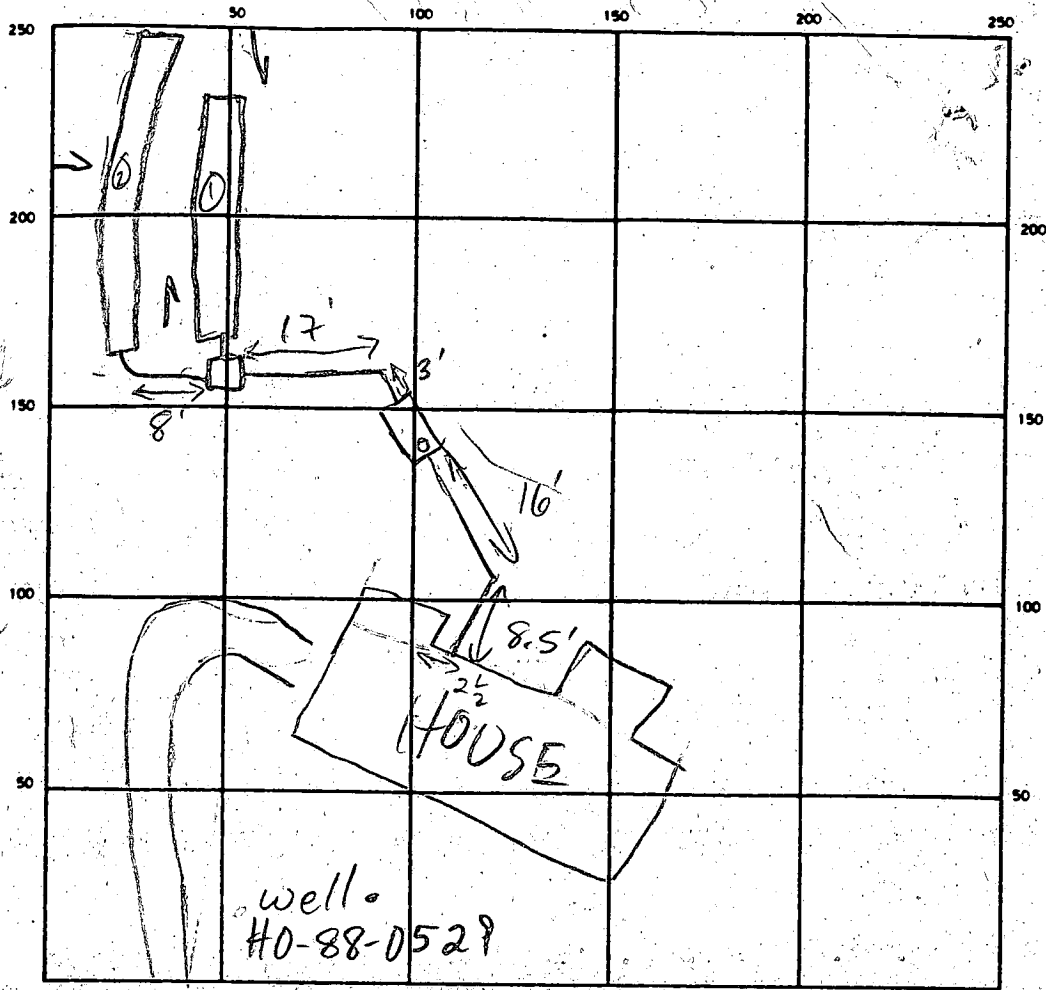
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

\*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

A  
37384 B



INDICATE NORTH — NAME ADJOINING ROADWAY AS BASE LINE  
 SMALLWOOD CT

SEPTIC TANK LEVEL OK CLEANOUTS OK  
 DISTRIBUTION BOX LEVEL OK BAEFFLE IN  
 DRAIN FIELD/TILE FIELD: DEPTH 9 1/2-10 FT. TRENCH WIDTH 2 FT. INLET DEPTH 3 1/2-5 FT.  
 EFFECTIVE GRAVEL DEPTH 5-6 FT. TOTAL LENGTH 169 1/2 FT.  
 NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 800 SQ. FT.  
 DRYWELL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.  
 ABSORBENT AREA — SQ. FT.

REMARKS 7/28/89 #1 TRENCHES DUG READY FOR STONE MR  
7/28/89 #2 CONTOURS SHOWN ON PLAT NOT TRUE -  
SLOPE AS SHOWN ON DRAWING, BOTTOM OF TRENCHES  
+ INLET DEPTH VARY MORE THAN USUAL - SYSTEM  
OK - OK TO COVER MR

DATE SYSTEM APPROVED 7/28/89 INSPECTOR M. Rifkin

# TEN OAKS ROAD

S 71°-18'-16" E  
33.35'

S 29°-28'-32" E 142.79'

**LOT 13**  
3.068 AC.±

SMALLWOOD COURT

LOT 14

COURT

LOT 15

LOT 12

W.M. A. COOCH  
L.1038 / F.052

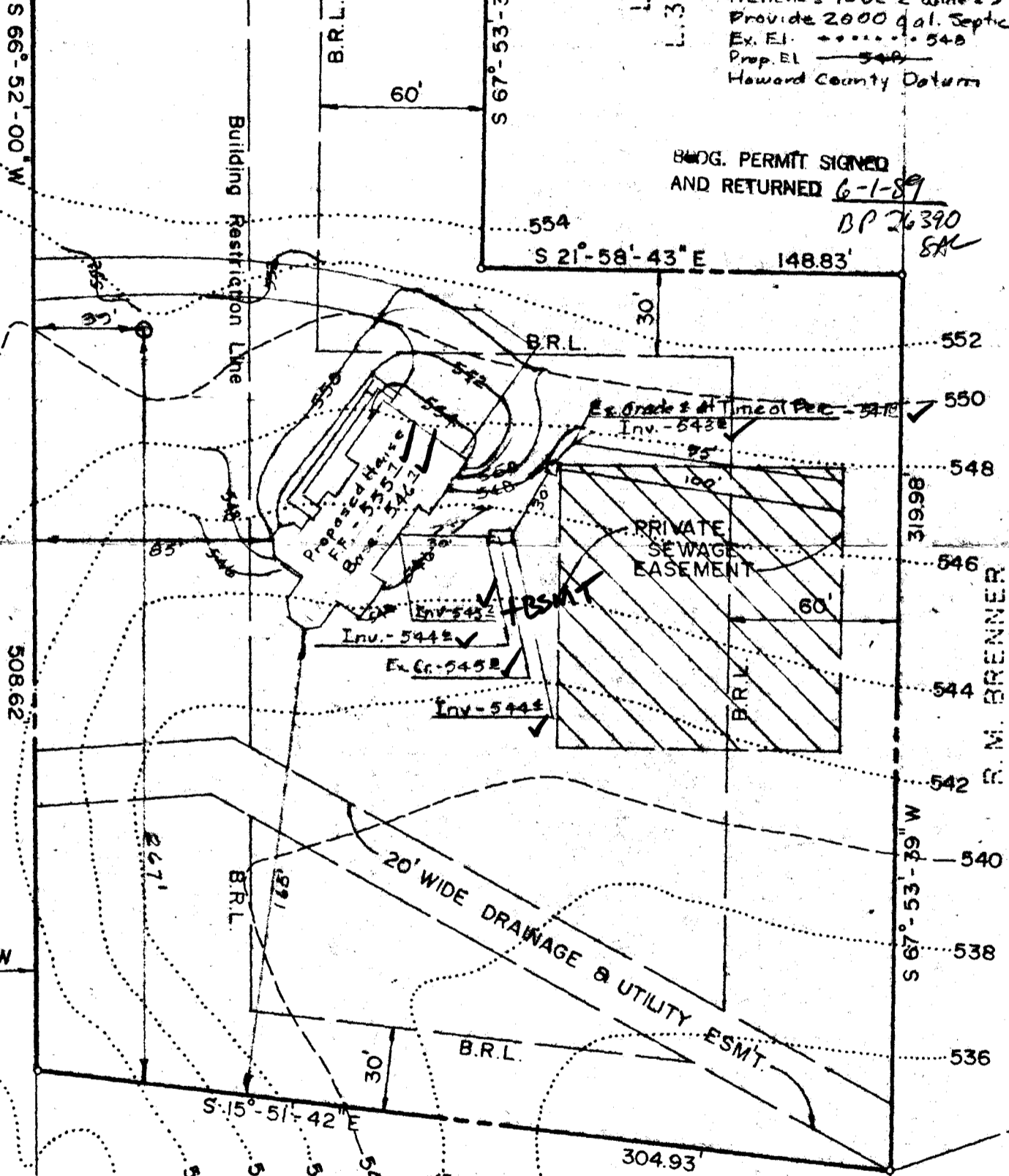
L.W. BROWN  
L.336 / F.005

### Septic System

4 BR. House with disposal  
180 sq ft / BR reqd.  
4 x C180 + C180 x 22 = 878 Sq ft.  
878 sq ft ÷ 5 1/4' = 176 LF Reqd.  
195 LF Avail.  
Inlet to drainfield 4 ft below Ex Surf.  
Bottom of trench 9 ft below surface (max)  
Fill bottom 5' of trench @ 2" Stone  
Trenches to be 2' wide & 2' apart (min)  
Provide 2000 gal. Septic Tank  
Ex. El. .... 548  
Prop. El. .... 549  
Howard County Datum

BUDG. PERMIT SIGNED  
AND RETURNED 6-1-89

BP 26390  
SM



### Surveyors Certificate

The measurements and elevations shown hereon are actual and correct for this site.

*Joell Clark* 5-30-89  
Registered Land Surveyor - Md. 4319

## LOT 13

## DUNFARMIN ESTATES

FIFTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

TAX MAP 34 PARCEL 292  
SCALE: 1" = 50' APR, 1989

PREPARED BY:  
**THE J.E. CLARK COMPANY**  
LAND SURVEYING AND ENGINEERING

P.O. BOX 147 LAUREL, MD. 20707  
(301) 725 3442

890404

C1 6766

SEQUENCE NO. (DENV 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 PUNCHED IN COLS. 3-6 ON ALL CARDS)

COUNTY NUMBER R = 31334

DATE RECEIVED

DATE WELL COMPLETED

DEPTH OF WELL

PERMIT NO. FROM "PERMIT TO DRILL WELL"

DATE RECEIVED grid

DATE WELL COMPLETED grid: 050284

DEPTH OF WELL grid: 365

PERMIT NO. grid: H0-88-0529

OWNER: UTILITY CONSTRUCTION; STREET OR RFD: SMALLWOOD COURT; TOWN: CLARKSVILLE; SUBDIVISION: DUNFERNIEU EST.; SECTION: ; LOT: 13

WELL LOG: Not required for driven wells. STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION, FEET (FROM, TO), Check if water bearing. Includes handwritten entries: SANDSTONE, GRAY MICH ROCK, 3 day wells 365, 365, 360, Filled in with cement & drilling materials.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y); TYPE OF GROUTING MATERIAL: CEMENT (CM) BENTONITE CLAY (BC); NO. OF BAGS: 8; NO. OF POUNDS: 752; GALLONS OF WATER: 48; DEPTH OF GROUT SEAL: from 0 to 32 ft.

CASING RECORD: casing types insert appropriate code below: ST CO PL OT; MAIN CASING TYPE: ST; Nominal diameter: 6; Total depth of main casing: 40.

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

SCREEN RECORD: screen type or open hole insert appropriate code below: ST BR HO PL OT

DEPTH (nearest ft.) grid: 140, 37, 365

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.: 238; DRILLERS SIGNATURE; SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

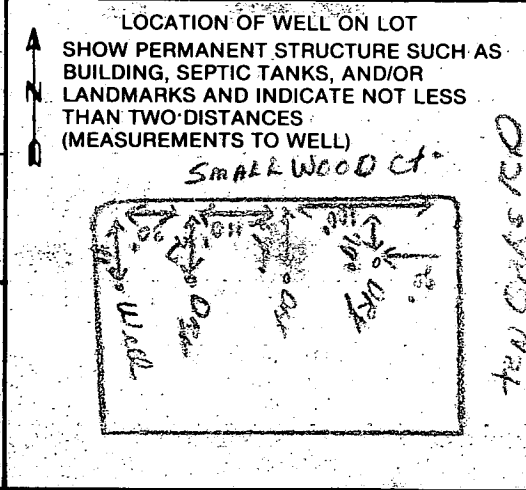
SLOT SIZE 1 2 3; DIAMETER OF SCREEN (NEAREST INCH) grid: 56, 60

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

TELESCOPE CASING; LOG INDICATOR; OTHER DATA

PUMPING TEST: HOURS PUMPED (nearest hour) 6; PUMPING RATE (gal. per min. to nearest gal.) 103; METHOD USED TO MEASURE PUMPING RATE: Bucket; WATER LEVEL (distance from land surface) BEFORE PUMPING 32; WHEN PUMPING 231; TYPE OF PUMP USED (for test): 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: IN BOX - SEE ABOVE; CAPACITY: GALLONS PER MINUTE (to nearest gallon) grid: 31, 35; PUMP HORSE POWER grid: 37, 41; PUMP COLUMN LENGTH (nearest ft.) grid: 43, 47; CASING HEIGHT (circle appropriate box and enter casing height) above below; LAND SURFACE (nearest foot) grid: 3, 51



COUNTY

B 1 2297

SEQUENCE NO. (DP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HO-88-0529

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

please print or type

fill in this form completely

Date Received (APA)

012489

OWNER INFORMATION

JAMES SILVERMAN

3023 STANW

WASHINGTON DC 20003

B 3

LOCATION OF WELL

HOWARD

DUNFARMIN ESTATES

SECTION LOT 13

CLARKSVILLE

1.3 MILES FROM TOWN

DRILLER INFORMATION

Joseph L. MAUNE 238

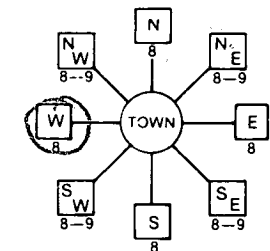
Joseph L. MAUNE WELL DRILLING

5511 RIDGE RD. N.H. Aiky 21771

Joseph L. Maune 1/24/89

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



SMALLWOOD CT.

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



95

DISTANCE FROM ROAD

ENTER FT or MI F+

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 A# 37384

STATE SIGNATURE INSERT S

DATE ISSUED 012689

NORTH GRID 504000 EAST GRID 0807000

APPROXIMATE DEPTH OF WELL 300 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

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 deepen an existing well

Not to be filled in by driller (OEP USE ONLY)

APPROX. PERMIT NUMBER GAP

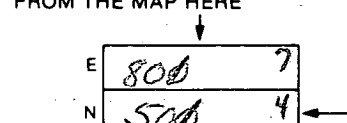
FORCE CV PERMIT No. HO-88-0529

SPECIAL CONDITIONS

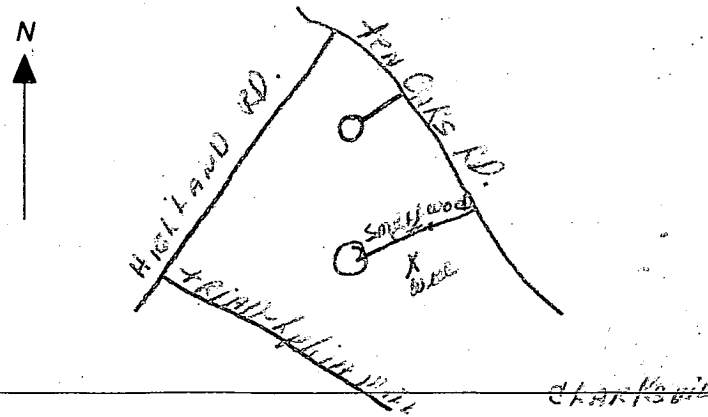
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER 1. Well

WRITE THE BOX NUMBER FROM THE MAP HERE



DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION



5/2/89

- ① 40 FT pipe
  - ② 32 ft open hole
  - ③ 8 bag
  - ④ Well already grouted informed by Johnny
  - ⑤ Location OK
- BJH

**FIELD DATA SHEET**  
**HOWARD COUNTY WELL YIELD TEST**

Well Permit No. HO - 88-~~00~~0529  
 Location of property (road) SMALLWOOD COURT  
 Subdivision DUNFARMIN ESTATES Lot 13 Block - Plat - Sec. -  
 Well Driller JOSEPH L. MAYNE Owner UTILITY CONSTRUCTION

Depth of well 365  
 Distance of measuring point (M.P.) above ground 2 1/2  
 Static water level (S.W.L.) below M.P. 32

**I. High rate pumping -- reservoir drawdown**

Time pump started 8:30 Pumping rate 20 G.P.M.  
 Total time 45 MIN. to reach pumping water level 229 ft. below M.P.

**II. Recovery pump test data - observations to be recorded every 15 minutes**

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE (time to fill 5 gallon bucket)	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
8:45	142	3	N/A	20 G.P.M.
9:00	231	3		20
9:15	229	44		1.3
9:30	229	44		1.3
9:45	229	44		1.3
10:00	229	44		1.3
10:15	229	44		1.3
10:30	228	44		1.3
10:45	228	44		1.3
11:00	228	44		1.3
11:15	228	44		1.3
11:30	228	44		1.3
11:45	228	44		1.3
12:00	228	44		1.3
12:15	228	44		1.3
12:30	228	44		1.3
12:45	228	44		1.3
1:00	228	44		1.3
1:15	228	44		1.3
1:30	228	44		1.3
1:45	228	44		1.3
2:00	227	44		1.3
2:15	227	44		1.3
2:30	227	44		1.3
HD-2:45	227	44		1.3
3:00	227	44		1.3

