

1-589
PM 2/25/87

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

04-344464

INDEXED

P 43576

A 35742

DISTRICT 4th

DATE 5/6/89

DATE SYSTEM APPROVED 1/5/89

INSPECTOR RH

Jack Fyock

IS PERMITTED TO INSTALL ALTER

ADDRESS _____ PHONE 988-9270

SUBDIVISION Woodcamp Farms ROAD 17585 Hardy Road LOT 18

PROPERTY OWNER Gary Bennett

ADDRESS _____

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

GARBAGE GRINDER? YES NO

SEPTIC TANK CAPACITY 1000 GALLONS NUMBER OF BEDROOMS 3

TRENCHES - 200 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 8 feet below original grade. Effective area begins at 3.5 feet below original grade. 4.5 feet of stone below distribution pipe.

LOCATION - Start the first trench 410 feet from the front lot line and 15 feet from the right lot line as seen when facing the property from Hardy Road. Run trenches along contour toward rear of property.

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

PLANS APPROVED BY C. Williams DATE 6/03/87

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 APPROVAL ON THIS PERMIT

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

A
35742

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND · DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 479, ELLICOTT CITY, MARYLAND 21043
TELEPHONE 992-2330

A 35742
P _____

DISTRICT 4TH

DATE JUNE 25, 1985

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 Richard M. Hought

ADDRESS 17591 Route 144 PHONE 465-7777

PROPERTY LOCATION: final lot 18

SUBDIVISION Hought Property LOT NO 18

ROAD AND DESCRIPTION On Hardy Road, 3,450' ± East of Long Corner Road:

SIZE OF LOT 4.10 AC. TYPE BLDG. 3
(NUMBER OF BEDROOMS)

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. Dennis M. Bush
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 7-12-85 PRC. Results Satisfactory, Hold for certified hole location SHALL

BLDG. PERMIT SIGNED
AND RETURNED 7-3-88

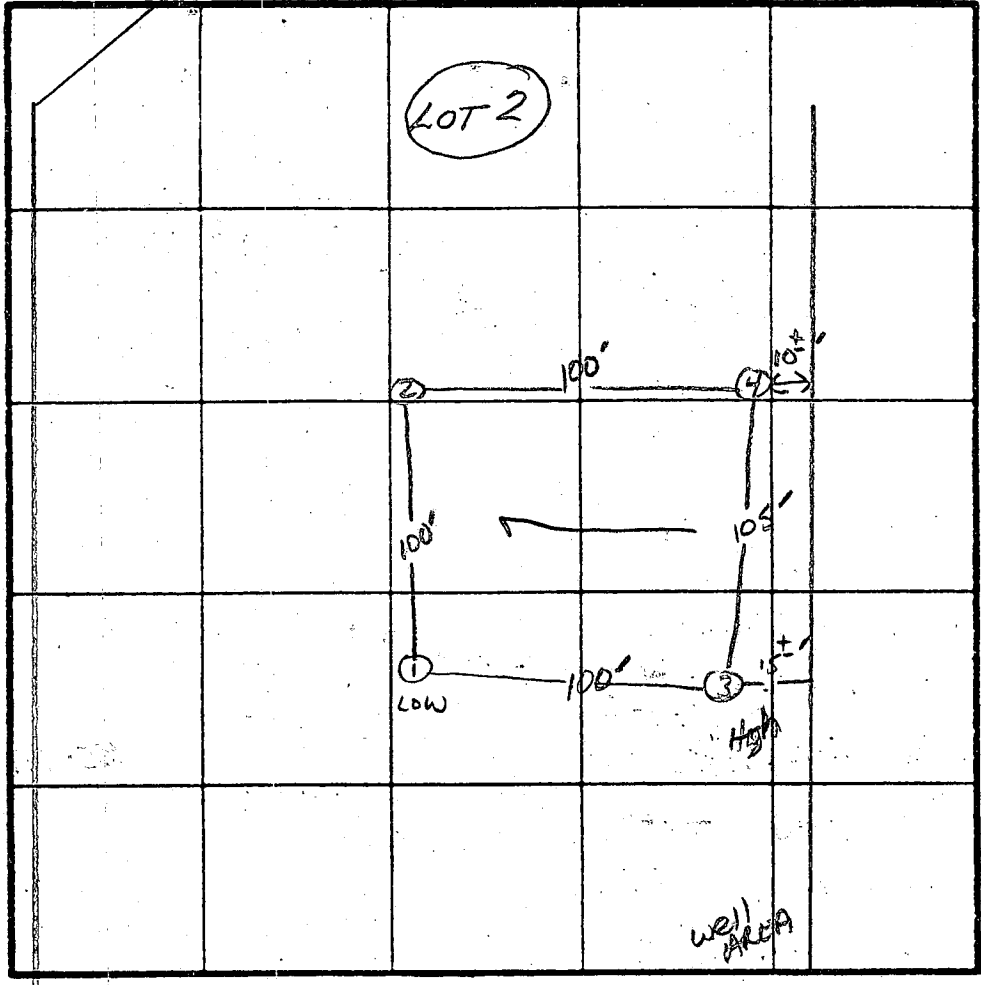
BP17007

THIS IS NOT A PERMIT

LOT 2

① ②
SOIL PROFILE

0	AP
9"	Yellow BR. CLAY LOAM 10-20% SAPROLITE
3.5'	Yellow Blue SHALY SAND LOAM 30-40% SAPROLITE
8'	Yellow BR. SAND LOAM MASSIVE SAPROLITE AT 10-11" 50% SAPROLITE
12'	



̄ TIME - 12
INLET - 3.5'
BOTTOM MAX 8'
200 Φ/BR

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
HARDY Rd.

③ ④

0	AP
9"	BROWN CLAY LOAM 10% SAPROLITE
3.5'	White/Brown SAND SILT LOAM 10-20% SAPROLITE
12'	

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
7/11/85	1 S V	3.5' 12.5'	11:20 see profile	11:30	11:30	11:50	20 min	
	2 S V	3' 11'	11:25 see profile	11:32	11:32	11:46	14 min	
	3 S V	3.5' 12	11:32 see profile	11:34	11:34	11:37	3 min	
	4 V	12	GOOD SANDSILT LOAM SOIL Below 3.5"					

REMARKS LOT REDESIGN FROM PLAT (NEW PLAT IN HAND)
 TYPE OF SOIL Glenelg - ME ACRY SOILS
 TESTED BY SAW ALSO PRESENT SKIP

EH-12-1079

APPLICATION

7/12/85
9:30 AM

SEWAGE DISPOSAL TESTING

A 35742

STATE OF MARYLAND · DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

DISTRICT 4TH

P. O. BOX 111 ELLICOTT CITY, MARYLAND 21111
TELEPHONE 442-2330

DATE JUNE 25, 1985

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 Richard M. Hough

ADDRESS 17591 Route 144 PHONE 465-7777

PROPERTY LOCATION:

SUBDIVISION Hough Property LOT NO 2

ROAD AND DESCRIPTION On Hardy Road, 3,450' ± east of Long Corner Road.

SIZE OF LOT 4.10 AC. TYPE BLDG. 3
(NUMBER OF BEDROOMS)

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.

Dennis M. Bush

(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT

SOIL PROFILE

0

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	

REMARKS _____

TYPE OF SOIL _____

TESTED BY _____ ALSO PRESENT _____

EH-12-1079

B 1 1732

SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

please print or type

OEP PERMIT NUMBER

10-81-2398

fill in this form completely

Date Received

10/20/87

725-3727

OWNER INFORMATION

Bennett Gary

9745 Baltimore St

Savage MD 21076

B 3

LOCATION OF WELL

Howard

Woodcamp FARM

SECTION 18 LOT 18

Poplar Springs

2 MI

DRILLER INFORMATION

Harry Edmondson 252

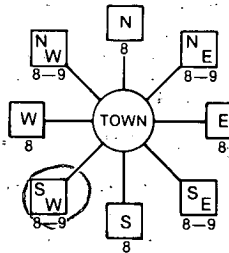
Harry Edmondson Drilling

7411 Lee Mill rd. Westminster MD

Harry Edmondson 11-20-87

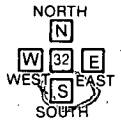
B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Hardy rd.

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



150

ENTER FT or MI 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)

- D HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
I INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
P PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)
T TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

HOWARD

A35742

COUNTY NAME COUNTY NO. OEP SIGNATURE STATE HEALTH INSERT S

DATE ISSUED 11/09/87 R. Wilson

NORTH GRID 550000 EAST GRID 0763000

APPROXIMATE DEPTH OF WELL 250 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)

- N THIS WELL WILL NOT REPLACE AN EXISTING WELL
Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY
D THIS WELL WILL DEEPEMED 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 Ba WRITE INITIALS IN BOX PERMIT NO. 10-21-2398

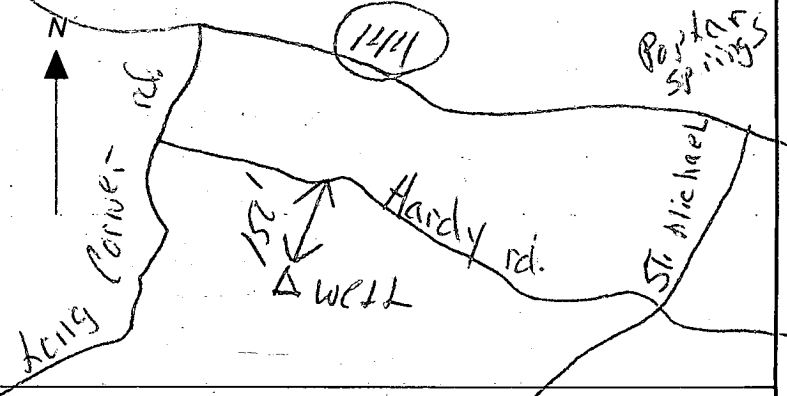
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

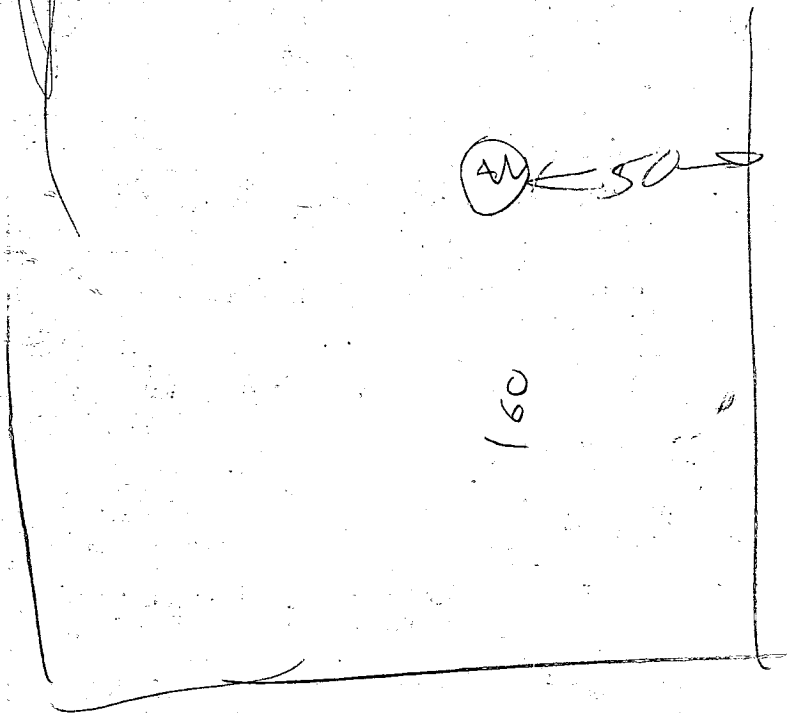
- SOURCES OF DRILLING WATER
1.
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE

7603
5500

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





HARDY RD

- ① 45 FT casing
- ② 2 FT out of ground
- ③ 43 ft open hole measured with a string
- ④ LOCATION OK
- ⑤ 13 bags used

B. Bodger
 11/18/87

C1 2005
 (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 **A 35742**

DATE Received
 DATE WELL COMPLETED **11/18/87**
 Depth of Well **325** (TO NEAREST FOOT)
 PERMIT NO. FROM "PERMIT TO DRILL WELL" **HC-81-2378**

OWNER **BENNETT GARY**
 STREET OR RFD **HARDY ROAD** TOWN **POPLAR SPRINGS**
 SUBDIVISION **HOUGH PROPERTY P/O. P. 485** SECTION **18** LOT **18 (RESUB OLD LOT 1)**

(WELL LOG CAMP FORMS)

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	
Top soil	0	1	
Brown clay	1	3	
Sandstone	3	30	
shell	30	37	
gray rock	37	140	
whiter gray	140	250	✓
gray slate	250	300	✓
whiter gray	300	325	✓

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**

TYPE OF GROUTING MATERIAL
 CEMENT **CM** BENTONITE CLAY **BC**

NO. OF BAGS **15** NO. OF POUNDS **410**

GALLONS OF WATER **90**

DEPTH OF GROUT SEAL (to nearest foot)
 from **0** ft. to **40** ft.
 (enter 0 if from surface)

CASING RECORD

MAIN CASING TYPE **ST** Nominal diameter top (main) casing (nearest inch) **0.6** Total depth of main casing (nearest foot) **43**

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

SCREEN RECORD

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

DEPTH (nearest ft.)

EACH SCREEN **H0** **43** **325**

SLOT SIZE 1 _____ 2 _____ 3 _____

DIAMETER OF SCREEN _____ (NEAREST INCH)

GRAVEL PACK _____

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

HOURS PUMPED (nearest hour) **0.6**

PUMPING RATE (gal. per min. to nearest gal.) **2.4**

METHOD USED TO MEASURE PUMPING RATE **1.9 gal**

WATER LEVEL (distance from land surface)
 BEFORE PUMPING **38**
 WHEN PUMPING **150**

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 (CIRCLE) (YES or NO) **NO**

IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL USES EXCEPT HOME USE

TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE: **S**

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 **0.2** (nearest foot)
- below }

LOCATION OF WELL ON LOT

SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)

Long Corner rd
 Hardy rd.
 150' Δ well

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 10.17.13 "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. **252**
Harvey Edmondson
 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)
Allen Comator
 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-2398
 Location of property (road) HARDY ROAD
 Subdivision WOODCAMP FARMS Lot 18 Block _____ Plat _____ Sec. _____
 Well Driller HARRY EDMONDSON Owner BENNETT, GARY

Depth of well 325'
 Distance of measuring point (M.P.) above ground, 2'
 Static water level (S.W.L.) below M.P. 38'

I. High rate pumping -- reservoir drawdown

Time pump started 11:00 Pumping rate 15
 Total time 30 min. to reach pumping water level 150' 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 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
11:00	38	4		15
11:15	112	4		15
11:30	150	4		15
11:45	150	20		3
12:00	150	20		3
12:15	150	20		3
12:30	150	25		2.4
12:45	150	25		2.4
1:00	150	25		2.4
1:15	150	25		2.4
1:30	150	25		2.4
1:45	150	25		2.4
2:00	150	25		2.4
2:15	150	25		2.4
2:30	150	25		2.4
2:45	250	45		2.4
3:00	150	25		2.4
3:15	150	25		2.4
3:30	150	25		2.4
3:45	150	25		2.4
4:00	150	25		2.4
4:15	150	25		2.4
4:30	150	25		2.4
4:45	150	25		2.4

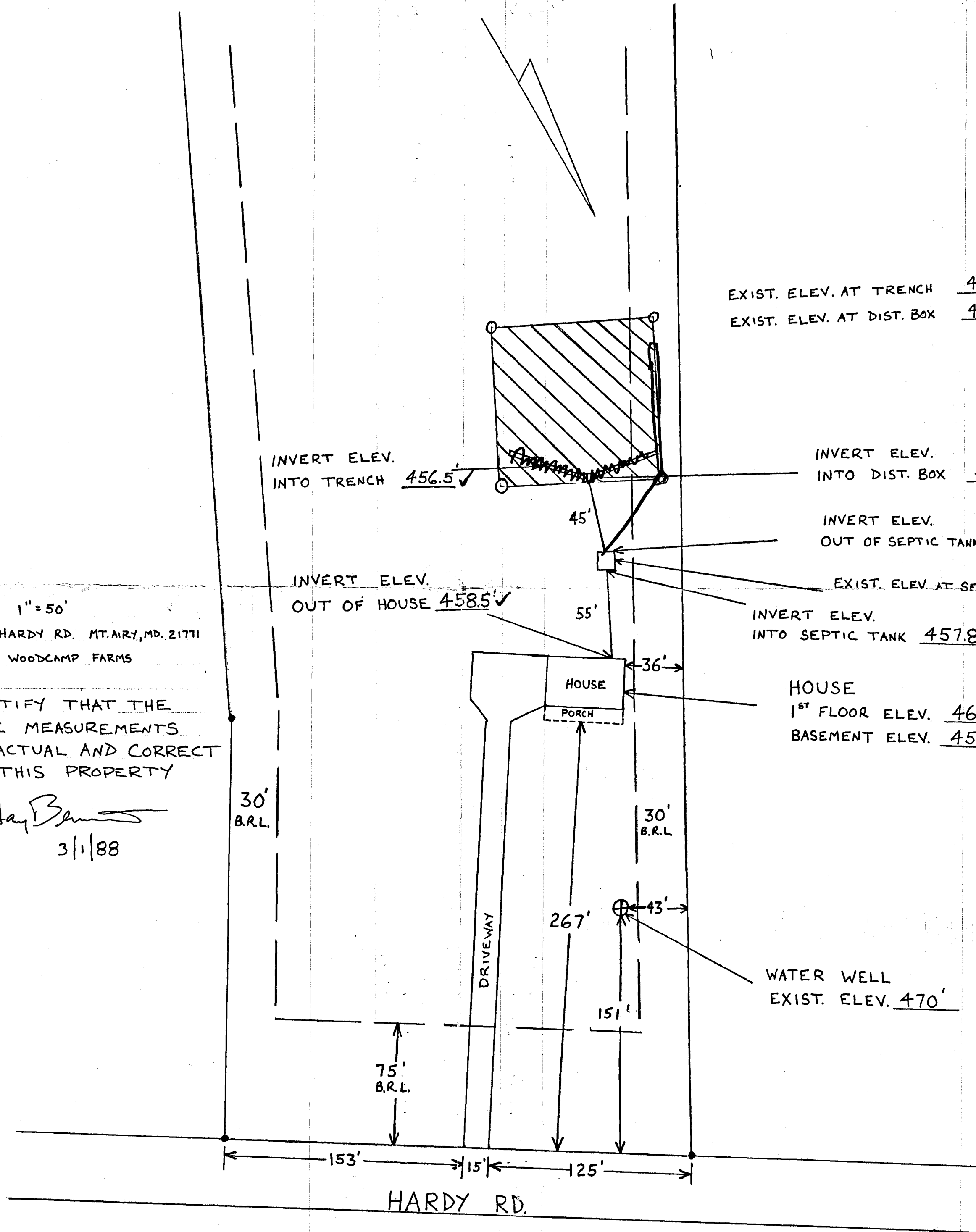
5:00	150	25	2.4
5:15	150	25	2.4
5:30	150	25	2.4
5:45	150	25	2.4

RECEIVED
HOWARD COHEN
HEALTH DEPT
APR 16 4 48 PM '87

SCALE: 1" = 50'
 17585 HARDY RD. MT. AIRY, MD. 21771
 LOT 18 WOODCAMP FARMS

I CERTIFY THAT THE
 ABOVE MEASUREMENTS
 ARE ACTUAL AND CORRECT
 FOR THIS PROPERTY

Gay Blum
 3/1/88



EXIST. ELEV. AT TRENCH 460' ✓
 EXIST. ELEV. AT DIST. BOX 460' ✓

INVERT ELEV.
 INTO TRENCH 456.5' ✓

INVERT ELEV.
 INTO DIST. BOX 457' ✓

INVERT ELEV.
 OUT OF SEPTIC TANK 457.5' ✓

INVERT ELEV.
 OUT OF HOUSE 458.5' ✓

EXIST. ELEV. AT SEPTIC TANK 462' ✓
 INVERT ELEV.
 INTO SEPTIC TANK 457.8' ✓

HOUSE
 1ST FLOOR ELEV. 466' ✓
 BASEMENT ELEV. 458' ✓ (BSMT)

WATER WELL
 EXIST. ELEV. 470'

2/3/88
 elevations checked
 copy of change in
 septic location
 sent to owner
SMC

BDDG. PERMIT SIGNED
 AND RETURNED 3-3-88
 BP17001
SMC

REDUCED
65% of
ORIG SIZE

17

18

20

LOT 1
59.586 ACRES

3/84
location & elevations
of tile field
S.K. but
to be used instead
of dry well
J.S.

REDUCED
65% of
orig size

PLOT PLAN
LOT 1; WOODCAMP FARM
SHEET 1 OF 2; PLAT 4243
ELECTION DISTRICT 4
HOWARD COUNTY MARYLAND
SCALE: 1" = 100'
DRAWN: MAY 19, 1984



FILE NO. 531

ALL ORIG LOT 1
RESUB-
INTO 4 LOTS

formerly all
P. 485

