

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

04-393913
INDEXED

P 42914

A 34708

DISTRICT 4th

DATE 11/1/88

DATE SYSTEM APPROVED 12-1-88

INSPECTOR JEN

William Martin

IS PERMITTED TO INSTALL X ALTER

ADDRESS PHONE

SUBDIVISION Timberleigh Ridge ROAD 17553 Timberleigh Way LOT 1

PROPERTY OWNER Richard Martin 409-4328

ADDRESS

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

GARBAGE GRINDER? YES NO X

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

12
225
31900
300 ft trench

TRENCHES - 225 sq. ft. per bedroom. Trench to be 3 feet wide. Inlet 3 1/2 feet below original grade. Bottom maximum depth 6 feet below original grade. Effective area begins at 3 1/2 feet below original grade. 2 1/2 feet of stone below distribution pipe.

LOCATION - SHALLOW SYSTEM ONLY. Beginning from the right front corner, place the distribution box 150 feet down the right (300') lot line and 100 feet from the right lot line as seen when facing lot from Right-of-way. Run trenches on level ground in both directions.

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

11-30-88 OK to install 4, 75 ft trenches JEN

PLANS APPROVED BY Craig Williams DATE 10/31/88

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

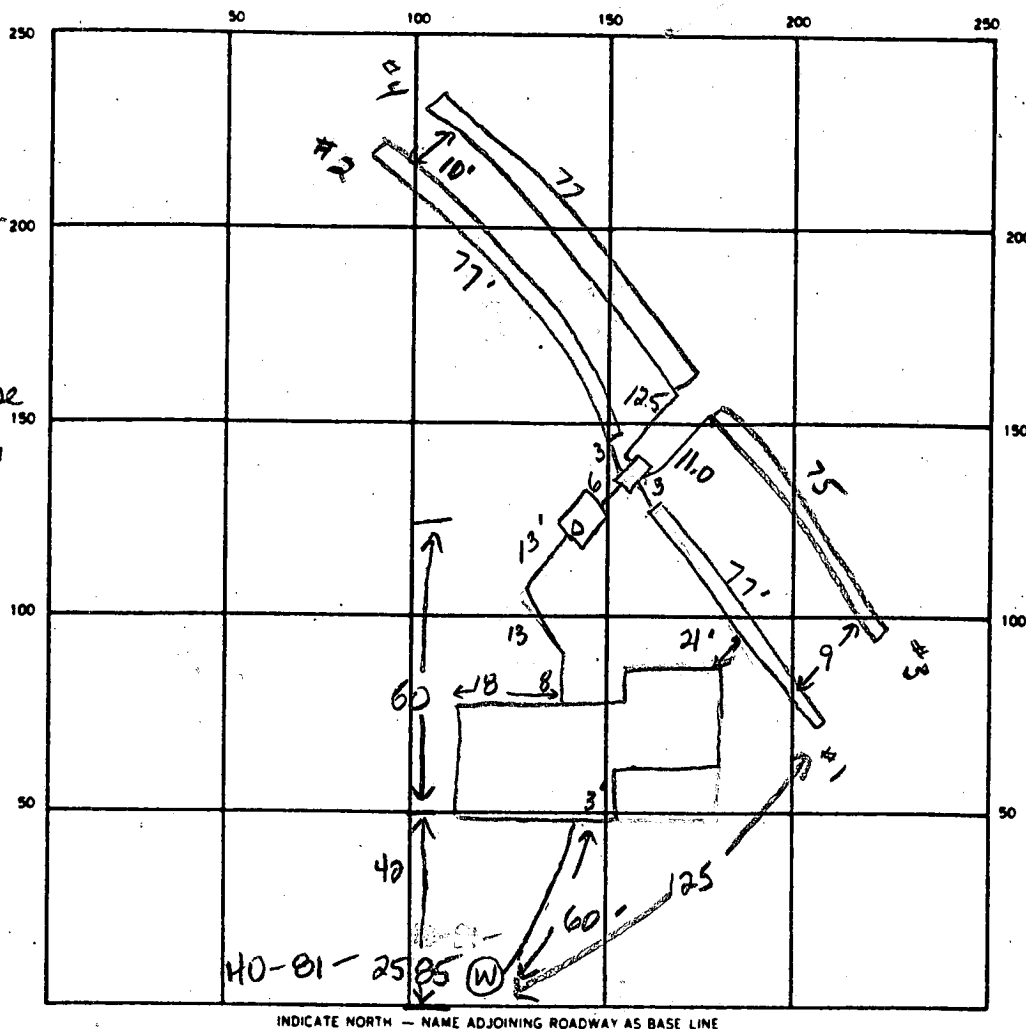
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

A
34708

12-1-88
WPI
Pitless adaptor
at 36 inches,
Well line at
42 inches, House
connection OK,
No pump tank
yet, Ground
line not
attached.
JEN



SEPTIC TANK. LEVEL 1250 gal CLEANOUTS 1 on septic tank
DISTRIBUTION BOX. LEVEL OK w/ baffle
DRAIN FIELD TILE FIELD. DEPTH 6 6 6 6 TRENCH WIDTH 3 FT. INLET DEPTH 3.5 3.5 3.5 3.5
EFFECTIVE GRAVEL DEPTH 2.5 2.5 2.5 2.5 FT. TOTAL LENGTH 77 77 75 77 FT.
NUMBER OF TRENCHES 4 ONE SIDEWALL/BOTTOM AREA 308 308 215 308 SQ. FT.
DRYWELL INSIDE DIAMETER FT. EFFECTIVE DEPTH BELOW INLET FT.
ABSORBENT AREA 919 SQ. FT.

REMARKS 12-1-88 OK to stone & cover trenches #1 & #2. OK to excavate
trenches #3 & #4. Leave ends open for inspection. JEN 12-1-88
OK to stone trenches 3 & 4. JEN 12-1-88 OK to cover all
work. JEN

DATE SYSTEM APPROVED 12-1-88 INSPECTOR James E. Nadeau

3/1/88
3

A 34708

SUBDIVISION: MARTIN, WILLIAM

LOT NUMBER: LOT #8

OFF RT 94

DRY WELL OR DRY WELL AND TRENCH

final lot 1

		sq. ft./bedroom
	Septic Tank	Minimum Total square Feet
3 bedroom	1000 gallon	
4 bedroom	1250 gallon	
5 bedroom	1500 gallon	

Inlet _____ feet below original grade.

Bottom maximum depth _____ feet below original grade.

Effective area begins at _____ feet below original grade.

NOTE: If trench is used to make up absorbent area, run the trench on level ground and leave a 5 foot earth buffer between dry well and trench. No trench is to exceed 100 feet in length. Trench inlet to be same as dry well, with _____ feet of stone below distribution pipe.

TRENCHES

225 sq. ft./bedroom

Trench to be 3 wide.

Inlet 3 1/2 feet below original grade.

Bottom maximum depth 6' feet below original grade.

Effective area begins at 3 1/2 feet below original grade.

2 1/2 feet of stone below distribution pipe.

- NOTE:
- (1) No trench to exceed 100 feet in length.
 - (2) If more than one trench used, a distribution box is required.
 - (3) Trenches to be installed on level ground.
 - (4) Call for inspection of trench before gravel is installed.
 - (5) Provide 6"-8" diameter cleanout and cap to grade or above on septic tank and drywell.
 - (6) If a Garbage disposal is used, increase septic tank capacity by 50% and increase absorbant sidewall area by 22%.

SHALLOW SYSTEM ONLY. BEGINNING FROM THE RIGHT FRONT CORNER PLACE THE BOX 150 FT DOWN THE RIGHT (300') LOT LINE AND

100 FT FROM THE RIGHT LOT LINE AS SEEN WHEN FACING LOT

FROM R.O.W. RUN TRENCHES ON LEVEL GROUND IN BOTH DIRECTIONS.

REVISED 10/31/88 BN/CW.

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 34708

P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

P.O. BOX 476 ELLICOTT, MARYLAND 21043
TELEPHONE: 992-2330

DISTRICT Fourth

DATE 12/17/84

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 ~~William B. and Phyllis Martin~~ RICHARD MARTIN.

ADDRESS 3268 Route 94 PHONE 489-4983

PROPERTY LOCATION:

SUBDIVISION Martin Property LOT NO. 8 Final Lot

ROAD AND DESCRIPTION 17553 Timberleigh Way off of Maryland Route 94

SIZE OF LOT 40,000 s.f. TYPE BLDG. single family

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.

SIGNATURE OF APPLICANT Anthony J. Boyle

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 1-8-85 perc. OK, hold for certified plat, part of perc. field off lot lines

BLDG. PERMIT-SIGNED
AND RETURNED 4-27-88

B.P. 18102.
SAC

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 _____

APPLICATION

SEWAGE DISPOSAL TESTING

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P _____

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SIGNATURE OF APPLICANT

Anthony J. Byrd

APPROVED BY

FOR

DATE

REJECTED BY

FOR

DATE

HOLD PENDING FURTHER TESTS

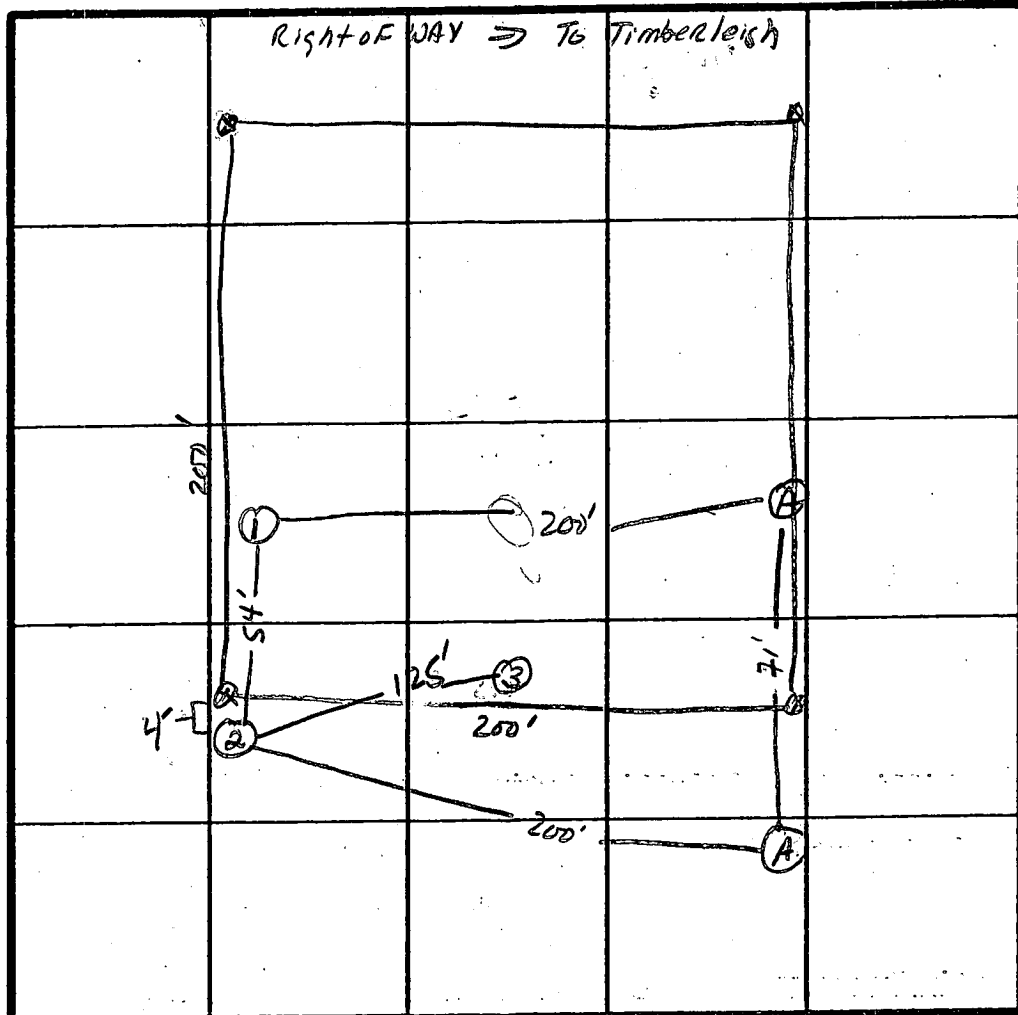
DATE

REASONS FOR REJECTION OR HOLDING

THIS IS NOT A PERMIT

A = Rec. holes
on lot line
7-8, see
site sheet for
lot 7 for
specs.

Highest hole
 hole A on 1 on
 pers. sheet 7
 next highest
 hole 1
 middle hole 3
 next lowest hole
 A on 2 on pers.
 sheet 7
 lowest hole 2



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

At 94

[illegible]

REMARKS Use hole 1 and 2 lot 7 for establishing \bar{x} times for speed.

TYPE OF SOIL

TESTED BY

S. Abel R. Hodson

ALSO PRESENT

Herman Bick &
Company

$$\bar{x} = 17 \text{ min}$$

INLET
2'

BOTTOM
MAX
7'

C1 2200
SEQUENCE NO. (OEP 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 A 34708
PERMIT NO. FROM "PERMIT TO DRILL WELL" H 0-81-2585
28 29 30 31 32 33 34 35 36 37

DATE Received
DATE WELL COMPLETED 03/17/88
Depth of Well 400 (TO NEAREST FOOT)
OWNER MARTIN RICHARD B.
STREET OR RFD COMM. DR. OFF TIMBERLEIGH WAY TOWN LISBON
SUBDIVISION TIMBERLEIGH RIDGE SECTION LOT 1

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	
Top Soil	0	2	
Br Shale	2	30	
Bl Slate	30	68	
BA Slate	68	70	
Bl Slate	70	73	
Tan Slate	73	98	
Br Slate	98	100	✓
Tan Slate	100	120	
Br Slate	120	122	
Tan Slate	122	130	
Bl Slate	130	240	
opening	240	241	✓
Bl Slate	241	400	

GROUTING RECORD
WELL HAS BEEN GROUTED (Circle Appropriate Box) Y N
TYPE OF GROUTING MATERIAL
CEMENT CM BENTONITE CLAY BC
NO. OF BAGS 12 NO. OF POUNDS 1200
GALLONS OF WATER 60
DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 37 ft.
(enter 0 if from surface)

CASING RECORD
casing types insert appropriate code below
STEEL ST CONCRETE CO
PLASTIC PL OTHER OT

MAIN CASING TYPE
Nominal diameter top (main) casing (nearest inch) 5
Total depth of main casing (nearest foot) 92

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

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

DEPTH (nearest ft.)
1 40 90 400
2
3
EACH SCREEN
SLOT SIZE 1 2 3
DIAMETER OF SCREEN (NEAREST INCH) 56 60

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
70 72 74 75 76
TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST
HOURS PUMPED (nearest hour) 6
PUMPING RATE (gal. per min. to nearest gal.) 1
METHOD USED TO MEASURE PUMPING RATE Bucket
WATER LEVEL (distance from land surface) BEFORE PUMPING 57
WHEN PUMPING 170
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: 29
CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35
PUMP HORSE POWER 37 41
PUMP COLUMN LENGTH (nearest ft.) 43 47
CASING HEIGHT (circle appropriate box and enter casing height) + above - below LAND SURFACE 2 (nearest foot)

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)
100' WELL 50' EXISTING DRIVE

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. 40
DRILLERS SIGNATURE Monroe J. Earlsday
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee) Bruce Thompson

Page 1
Date 3-17-88

8:00 * Daily water level down to normal 250'
Review AL 88 4-2788

Don't GROUT TILL AFTER TEST

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-2585
Location of property (road) COMMON DR. OFF TIMBERLEIGH WAY
Subdivision TIMBERLEIGH RIDGE Lot 1 Block Plat Sec.
Well Driller GEORGE EASTBAY Owner MARTIN, RICHARD B

Depth of well 400 1 +
Distance of measuring point (M.P.) above ground 24"
Static water level (S.W.L.) below M.P. 57'

I. High rate pumping -- reservoir drawdown

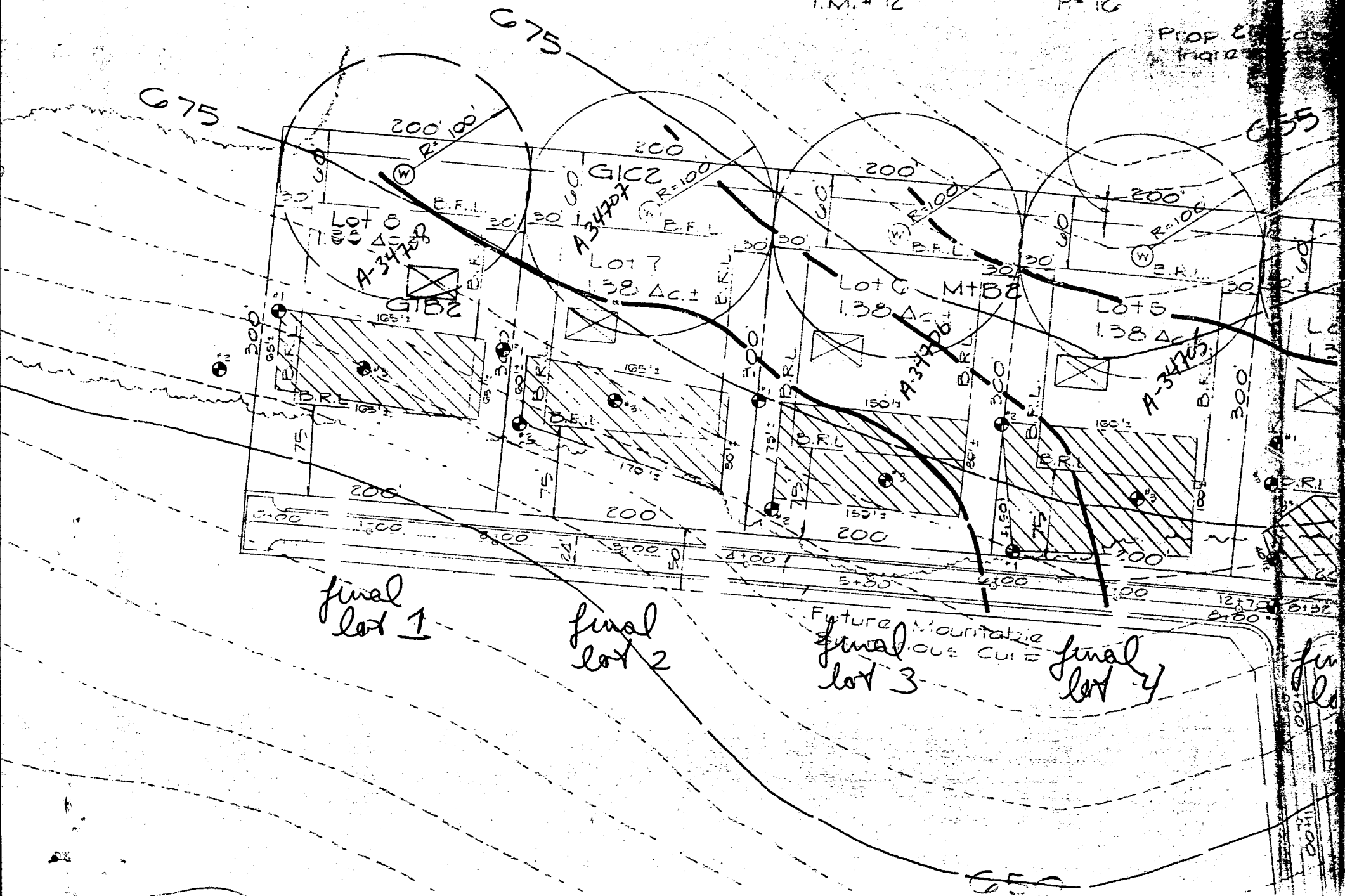
Time pump started 9:30 Pumping rate 10 GPM
Total time 1/2 HR. to reach pumping water level 167 ft. below M.P.

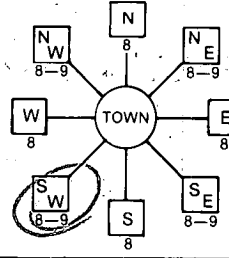
II. Recovery pump test data - observations to be recorded every 15 minutes

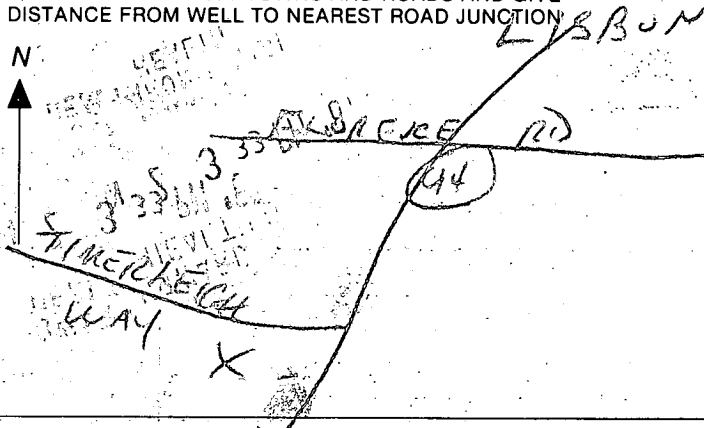
TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill #1 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
10:45	167	45 Sec	Pump set	1.3
11:00	167	45	400'	1.3
11:15	167	45		1.3
11:30	167	45	Jim	1.3
11:45	168	45		1.3
12:00	168	45		1.3
12:15	168	45		1.3
12:30	168	45		1.3
12:45	168	45		1.3
1:00	168	45		1.3
1:15	169	45		1.3
1:30	169	45		1.3
1:45	169	45		1.3
2:00	169	45		1.3
2:15	170	45		1.3
2:30	170	45		1.3
2:45	170	45		1.3
3:00	170	45		1.3
3:15	170	45		1.3
3:30	170	45		1.3
3:45	170	45		1.3
4:00	170	45		1.3
4:15	170	45		1.3
4:30	170	45		1.3

Property of
Wye River Enterprises
1058/68
T.M.# 12 P# 16

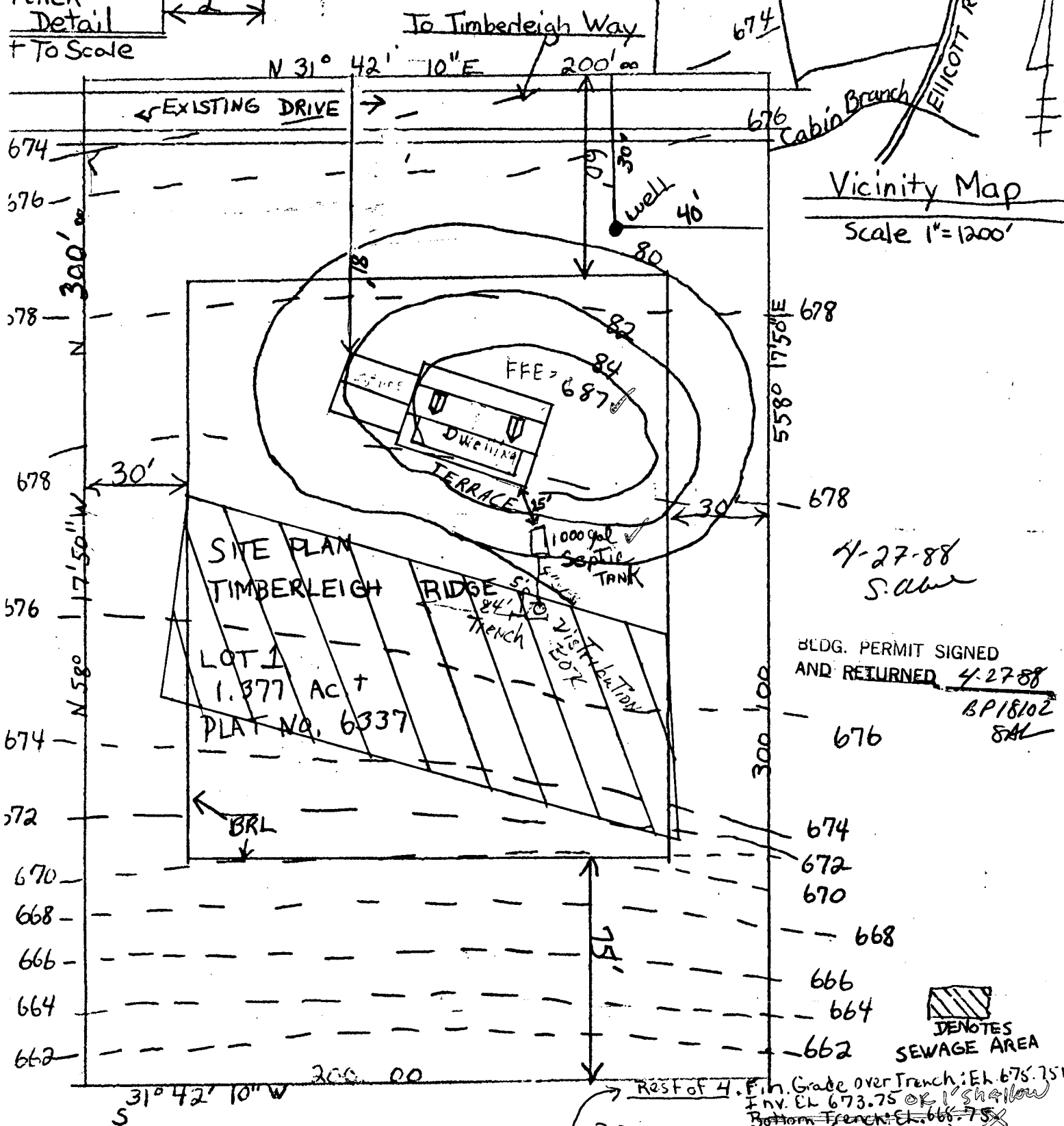
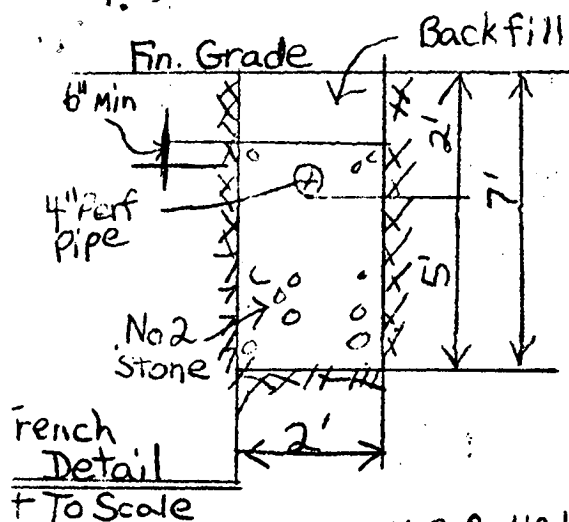
Prop. Co. Ed
Highway



B 1 2239 <small>(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)</small>	SEQUENCE NO. (OEP USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	OEP PERMIT NUMBER HC-81-2585 <small>fill in this form completely</small>
Date Received 060383 OWNER INFORMATION MARTIN RICHARD R <small>Last Name Owner First Name</small> 3748 AT 94 <small>Street or RFD</small> WOODBRINE <small>Town</small> MD 21797 <small>State Zip</small>		B 3 LOCATION OF WELL R-39420 HOWARD <small>County</small> TIMBERLEIGH RIDGE <small>Subdivision</small> SECTION 44 LOT 1 LISBON <small>Nearest Town</small> MILES FROM TOWN (enter 0 if in town) 3 MI <small>73 76 77 78</small>	
DRILLER INFORMATION George F. Easterday <small>Driller's Name</small> L. Franklin Easterday, Inc. <small>Firm Name</small> 9265 Br. Ch. Rd., Mt. Airy, Md. 21771 <small>Address</small> George F. Easterday <small>Signature</small> 6/1/87 <small>Date</small>		B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  NEAR WHAT ROAD TIMBERLEIGH WAY <small>ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)</small> NORTH W 32 E WEST S EAST SOUTH DISTANCE FROM ROAD 86 <small>ENTER FT or MI</small> 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) <input checked="" type="checkbox"/> HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) <input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input type="checkbox"/> INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) <input type="checkbox"/> PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL) <input type="checkbox"/> TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)			
APPROXIMATE DEPTH OF WELL 200 FEET APPROXIMATE DIAMETER OF WELL 6 INCH METHOD OF DRILLING (circle one) BORED (or Augered) <input checked="" type="checkbox"/> JETTED <input type="checkbox"/> Jetted & DRIVEN <input type="checkbox"/> AIR-ROTARY <input checked="" type="checkbox"/> AIR-PERCussion <input type="checkbox"/> ROTARY (Hydraulic Rotary) <input type="checkbox"/> CABLE <input type="checkbox"/> REVERSE-ROTARY <input type="checkbox"/> DRIVE-POINT <input type="checkbox"/> other _____			
REPLACEMENT OR DEEPEINED WELLS (CIRCLE APPROPRIATE BOX) <input checked="" type="checkbox"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY <input type="checkbox"/> THIS WELL WILL DEEPEIN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE) _____			
Not to be filled in by driller (OEP USE ONLY) APPROP. PERMIT NUMBER _____ FORCE AN WRITE INITIALS IN BOX PERMIT NO. HC-81-2485 SPECIAL CONDITIONS			

NOT TO BE FILLED IN BY DRILLER
 HEALTH DEPARTMENT APPROVAL
 COUNTY NAME **HOWARD** COUNTY NO. **A 34708**
 OEP SIGNATURE _____ STATE HEALTH INSERT S. ☐
 DATE ISSUED **030158** CO SIGNATURE **B. W. Ufer** EXP. DATE **09/01/88**
 NORTH GRID **533000** EAST GRID **0763000**
 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 **764 3**
 N **534 3**
 000
 000
 DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION


Owner / Developer
Richard B. Martin
3248 Rt. 94
Woodbine, Md.
21797



4-27-88
S. Albre

BLDG. PERMIT SIGNED
AND RETURNED 4-27-88
BP18102
SAL

DENOTES
SEWAGE AREA

Septic System Design Data

1. INV. @ Well: EL 674.65 ✓
2. 1000 Gallon Septic tank - 3 bedrm ✓
Ex Grade over tank: EL 676.65 ✓
Fin Grade over tank: EL 676.65 ✓
Inv. In: EL 674.50 ✓
Inv. Out: EL 674.20 ✓

3. Distribution Box (4 outlets) ✓
Ex. Grade over Box: EL 675.75 ✓
Fin. Grade over Box: EL 675.75 ✓
Inv. In: EL 673.75 ✓
Inv. Out: EL 673.75 ✓
4. Trenches (180/Bc.) ✓
3 Bedrooms x 180 S.F. = 540 S.F. ✓
540 S.F. ÷ 2 (width) x 5' (Depth) = 54' (Length) ✓
Ex. Grade over Trench: EL 675.75 ✓