

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

03-312798

INDEXED

P 45496

A 38484

DISTRICT 3rd

DATE 1/31/90

DATE SYSTEM APPROVED 2/7/90

INSPECTOR RH

South Carroll Backhoe, Inc.

IS PERMITTED TO INSTALL ALTER

ADDRESS 4410 Salem Bottom Road, Westminster, Maryland 21157 PHONE 875-4197

SUBDIVISION Triadelphia Woods ROAD 12603 Fawn Run Court LOT 38

PROPERTY OWNER The Builders Guild, Inc. Joseph + Susan Duff

ADDRESS _____

~~IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 80% AND ABSORPTION AREA BY 22%~~

GARBAGE GRINDER? ~~XXXXXX YES XXXXXXXXXXXXXXXXXXXX NO XXXXXXXX~~

BLDG. PERMIT SIGNED
AND RETURNED 3/1/90
Serial # 53810 - deck.

SEPTIC TANK CAPACITY 1500 GALLONS NUMBER OF BEDROOMS 5

TRENCHES - 180 sq. ft. per bedroom. Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 4.5 feet below original grade. Effective area begins at 3 feet below original grade. 4.5 feet of stone below distribution pipe.

LOCATION - Start the first trench 50 feet from the front lot line and 200 feet from the left lot line as seen when facing the lot from Fawn Run Court. Run trenches on contour toward the rear left 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.

2/6/90 FIRST SYSTEM CHANGED TO DEEP SYSTEM AFTER FIELD INSPECTION TO PRESERVE PERC AREA
PLANS APPROVED BY Sid Abel OR(CW) JR DATE 3/31/89 RH

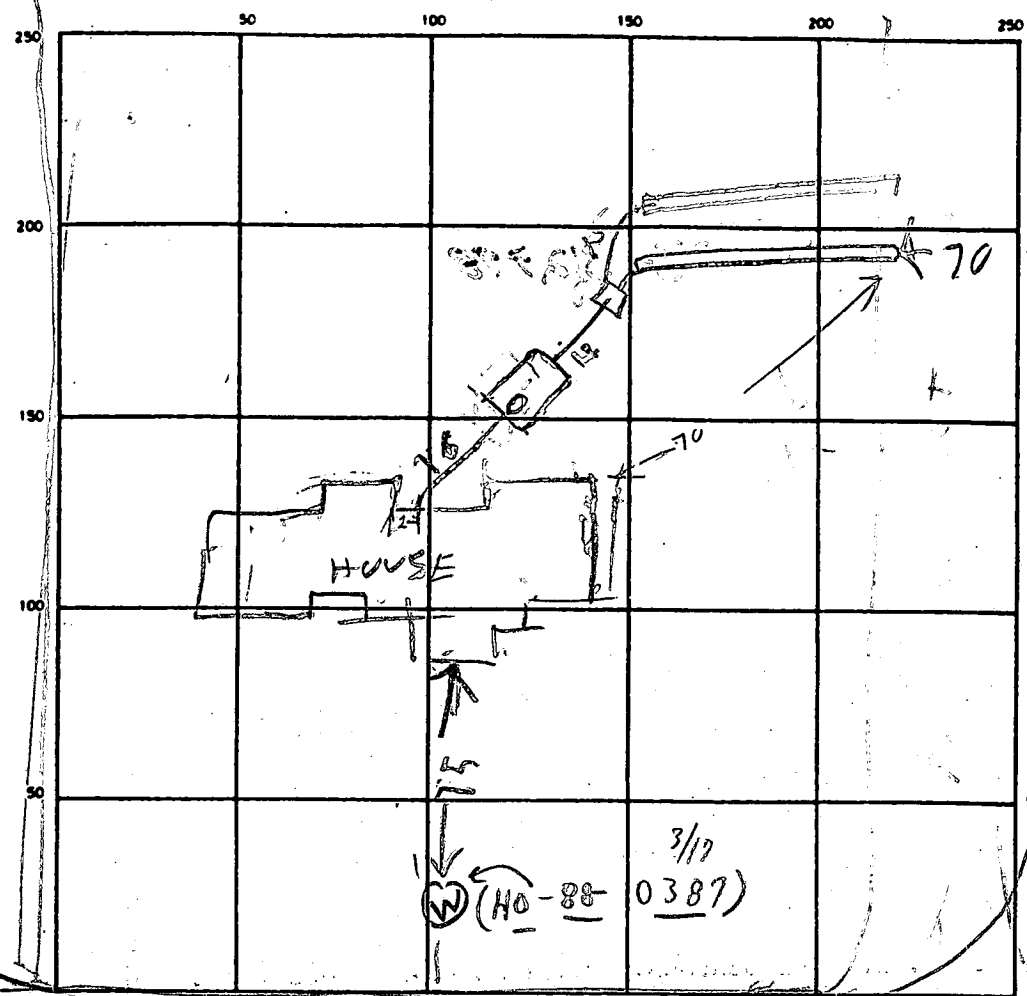
- COVER NO WORK UNTIL INSPECTED AND APPROVED
- NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM
- NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS
- NOTE: ALL PARTS OF SEPTIC 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 38484
RH

TANK
HOLE
CLAY
SAND
LOAM



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE
GOLDEN OAK DRIVE

SEPTIC TANK LEVEL 1500 OK CLEANOUTS ST OK

DISTRIBUTION BOX LEVEL OK

DRAIN FIELD/TILE FIELD DEPTH 9 9.5 FT. TRENCH WIDTH 2 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 6 6 FT. TOTAL LENGTH 77 72 FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 462 468 930 (900 REPAIR)

DRYWELL INSIDE DIAMETER _____ FT. EFFECTIVE DEPTH BELOW INLET _____ FT.

ABSORBENT AREA _____ SQ. FT.

REMARKS 2/6/90^{AM} - FIRST SYSTEM CHANGED TO DEEP SYSTEM
AFTER INSPECTION, HIGH PART OF PERC AREA MUCH HIGHER
THAN LOW PART OF PERC AREA RIT TANK HOLE DUG DIG TRENCH #1
CALL RIT 2/7/90^{AM} - OK TO COVER TANK & TRENCH #1, DIG TRENCH #2 RIT
2/7/90^{1130 AM} - TRENCH #2 STARTED 9 1/2 FT DEEP RIT 2/7/90^{214 PM} TRENCH
#2 OK RIT

DATE SYSTEM APPROVED 2/7/90 INSPECTOR Raymond Hodges

APPLICATION

PERCOLATION TESTING

A 38484

P _____

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

DISTRICT 3

DATE 10/20/86

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 Patuxent Land Co. Inc.

ADDRESS The Builders Bldg. Inc. PHONE 531-5539

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Triadelphia Woods LOT NO. 17 38 6/29 **LOT 38 Prelim**

ROAD AND DESCRIPTION Triadelphia Rd on the right 1/2 mile
West of Carroll Mill Rd. 12603 FAWN RUN Ct.

TAX MAP 22 PARCEL # 528

SIZE OF LOT 3+ Acre TYPE BLDG. _____
(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.

Richard J. Bennett
(SIGNATURE OF APPLICANT)

APPROVED BY Sidney Abbe FOR Standard Test DATE 3-31-89

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 2-13-87 Perc. satisfactory; shallow syst. only hold for subdivision
plat. S. Abbe

BLDG. PERMIT SIGNED
AND RETURNED 3-31-89

BP 24465 89

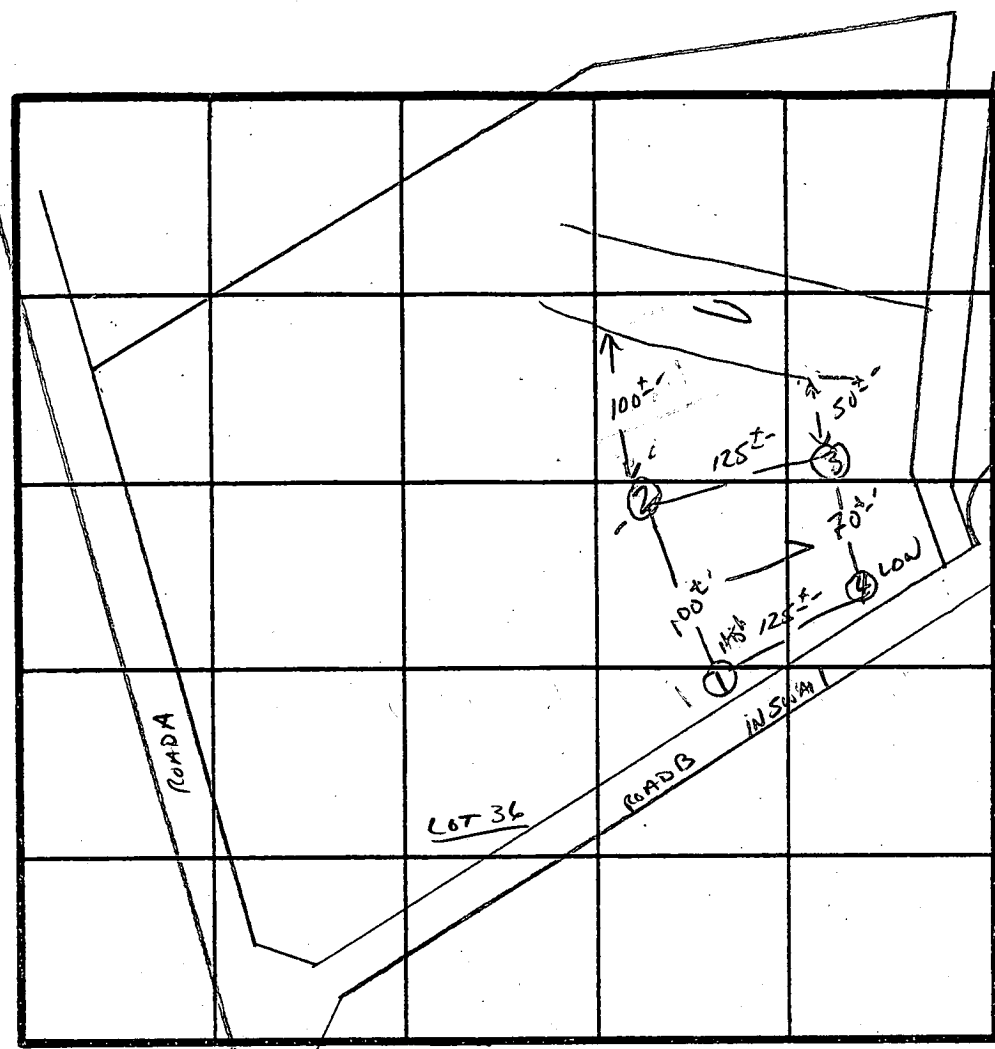
THIS IS NOT A PERMIT

④ ③ ② ①
SOIL PROFILE

0	A1-3
3.5'	Yellow BL Silt loam 9-12% clay 10-15% FRAGS
	Yellow BR Highly micaceous silty SAND loam 25-30% FRAGS

3.5'

12-12.5'



̄ Per 4 min
180φ 1BL
INLET 3"
BOTTOM 4.5"

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
↓ TO TRIADDELPHIA Rd.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
2/13/87	1 S	3.5'	12:38	12:40	12:40	12:43	3 min
	1 M	7.5'	12:38	12:40	12:40	12:45	5 min
	1 V	12'	UNIFORM soil below 3.5'				
	2 V	12'	UNIFORM soil below 3.5'				
	3 S	4.0'	12:09	12:10	12:10	12:13	3 min
	3 V	12'	SAME AS #4				
	4 S	4.0'	12:02	12:04	12:04	12:08	4 min
	4 V	12'	UNIFORM soil below 3.5'				

REMARKS Holes Diff Than PLAT - Shallow Syst. only

TYPE OF SOIL MANOR

TESTED BY S. Abol ALSO PRESENT Jeff, Neil, Richard, J M

EH-12-1079

B 1 **7965** SEQUENCE NO. (DP USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

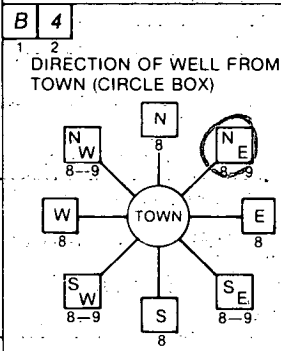
STATE OF MARYLAND
 PERMIT TO DRILL WELL
 please print or type

STATE PERMIT NUMBER
40-88-0387
 fill in this form completely

Date Received (APA) **011089**
 OWNER INFORMATION
THE BUILDERS BUILD
 Last Name Owner First Name
8950RFB SWIFE IV
 Street or RFD.
COLUMBIA MD 21045
 Town State Zip

B 3 LOCATION OF WELL
HOWARD COUNTY
FRIADELPHIA WOODS SUBDIVISION
 SECTION **38** LOT **38**
GLENELE NEAREST TOWN
 MILES FROM TOWN (enter 0 if in town) **2 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 Md. 21771 Address
Joseph L. Mayne Signature **1/19/89** Date



GOLDEN OAK DR. NEAR WHAT ROAD
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 NORTH [] WEST [] EAST [] SOUTH []
 DISTANCE FROM ROAD **40** 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)
 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 A# **38404** COUNTY NO.
 STATE SIGNATURE **Charles B. ...** DATE ISSUED **1/17/89**
 NORTH GRID **527000** EAST GRID **0814000**

APPROXIMATE DEPTH OF WELL **360** FEET

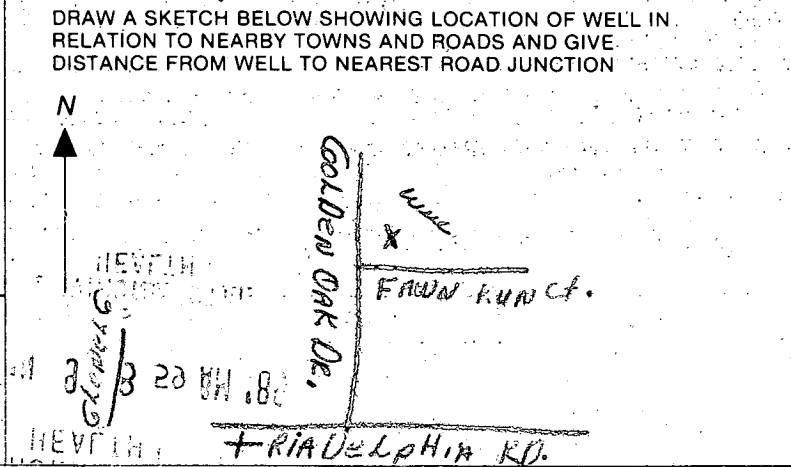
APPROXIMATE DIAMETER OF WELL **6** INCH

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 **GAP**
 FORCE **CM** WRITE INITIALS IN BOX PERMIT NO. **40-88-0387**

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 **810** 4
 N **530** 7
3-16-89 9:30 GROUT NOT OBSERVED
13 BAGS
70 FT CASING
45 FT OPEN
1.5 FT CASING A.G.
MR
✓ TAG OK 3/16/89



C1 6741

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 A = 38484

DATE RECEIVED

DATE WELL COMPLETED

DEPTH OF WELL

PERMIT NO. FROM "PERMIT TO DRILL WELL"

DATE RECEIVED grid

DATE WELL COMPLETED 03/16/89

DEPTH OF WELL 385 (TO NEAREST FOOT)

PERMIT NO. 10-88-0387

OWNER THE BUILDERS GUILD STREET OR RFD GOLDEN OAK DR TOWN GLENELG SUBDIVISION TRIADELPHIA WOODS SECTION LOT 38

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 (Use additional sheets if needed), FEET (FROM, TO), Check if water bearing. Includes handwritten entry: SAND 0 64, Grayish tan 64 385.

GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box) YES Y NO N TYPE OF GROUTING MATERIAL CEMENT CM BENTONITE CLAY BC NO. OF BAGS 13 NO. OF POUNDS 1222 GALLONS OF WATER 73 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 45 ft.

CASING RECORD casing types insert appropriate code below MAIN Nominal diameter Total depth CASING top (main) casing of main casing TYPE (nearest inch) (nearest foot) 51 6 70

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 HO OPEN HOLE PLASTIC PL OT OTHER

DEPTH (nearest ft.) EACH SCREEN 1 10 28 385 2 3 4

CIRCLE APPROPRIATE LETTER 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.

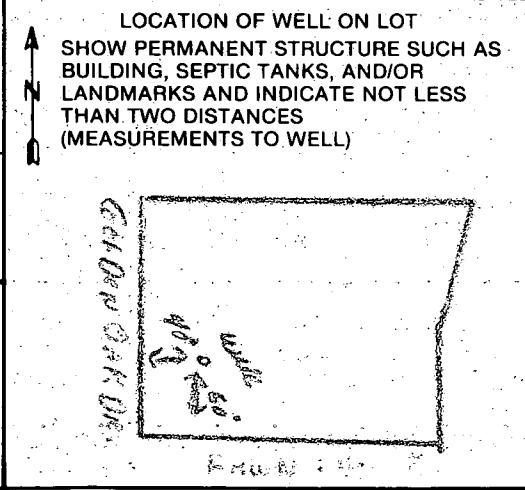
DRILLERS IDENT. NO. 235 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

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.) 95 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 10 WHEN PUMPING 215 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 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) LAND SURFACE (nearest foot)



FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 88-0387
 Location of property (road) GOLDEN OAK DR.
 Subdivision TRIADDELPHIA WOODS Lot 38 Block - Plat - Sec. -
 Well Driller J. L. MAYNE Owner -

Depth of well 385'
 Distance of measuring point (M.P.) above ground 12'
 Static water level (S.W.L.) below M.P. 10'

I. High rate pumping -- reservoir drawdown

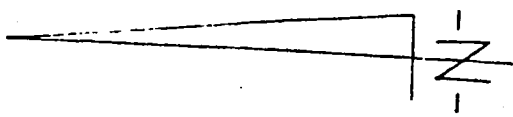
Time pump started 7:30 Pumping rate 15 G.P.M.
 Total time 45 MIN. to reach pumping water level 213 ft. below M.P.

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)
7:45	142	4 sec	N/A	15 G.P.M.
8:00	215	4		15
8:15	213	25		2.4
8:30	213	25		2.4
8:45	213	25		2.4
9:00	213	25		2.4
9:15	213	25		2.4
9:30	213	25		2.4
9:45	213	25		2.4
10:00	213	25		2.4
10:15	213	25		2.4
10:30	213	25		2.4
10:45	213	25		2.4
11:00	213	25		2.4
11:15	213	25		2.4
11:30	213	25		2.4
11:45	213	25		2.4
12:00	213	25		2.4
12:15	213	25		2.4
12:30	212	25		2.4
12:45	211	25		2.4
1:00	210	24		2 1/2
1:15	210	24		2 1/2
1:30	210	24		2 1/2
HD-224 45	210	24		2 1/2
2:00	210	24		2 1/2

NOTE: No Portion of this lot lies within the 100 Year Flood Plain.

LOCATION OF HOUSE
 12603 FAWN RUN COURT
 LOT 38
 TRIADELPHIA WOODS
 LOTS 30-32, 39-46
 SECTION 1, AREA 2
 A RESUBDIVISION OF PARCEL 9, LOTS 15-18
 AND LOT 54 SECTION 1, AREA 1
 3RD ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

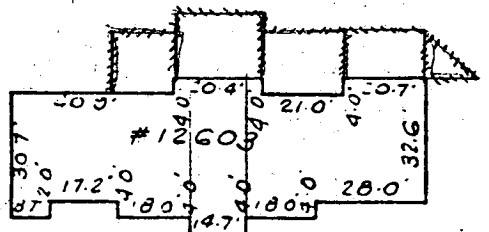
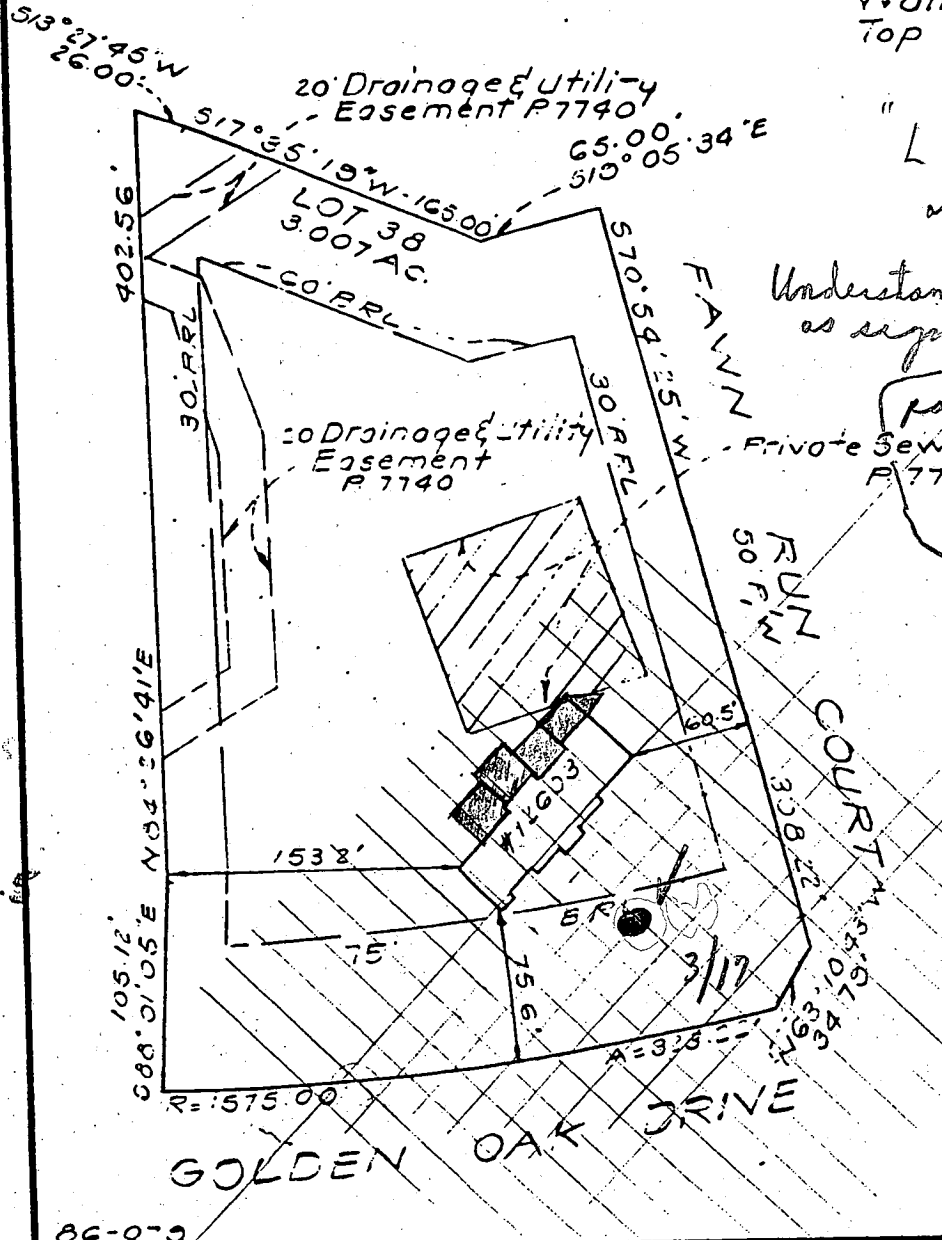


Wall Check: 7-20-89
 Top of Wall El: 482.0

Stan Duff 3-17-94

"Lady Mrs Susan Duff
 at site. 3/17/94"

Understand (Homeowner at site
 as signed) To put no cement on
 posts within 10' radius
 of deck to septa
 Proposed Deck
 tank C.O. + C.H.



- ① Septic tank area SCALE 1"=50' clear.
 - ② Deck almost completely supported at lot.
- [3/17/94 To be noted of ST.C.O. ok as above]

Serial No. 24465

BRUNING 40-22 60545-01

SURVEYOR'S CERTIFICATE
 I hereby certify that the position of all existing improvements on the above described property have been carefully established by a transit-tape survey and that unless otherwise shown, there are no encroachments.

Donald R. Sackett *6059

CLARK • FINEFROCK & SACKETT, INC.

ENGINEERS • PLANNERS • SURVEYORS
 7135 MINSTREL WAY COLUMBIA, MD. 21045
 (301) 381-7500-BALTO. • (301) 821-8100-WASH.

REFERENCE	DRAWN BY SNP	CHECKED BY K'NC
Plat 7740	DATE 7-25-89	FILE NO. 723-W
	SCALE 1"=100'	

65.00'

60' BRL

Lot 38
3.007 ACRES

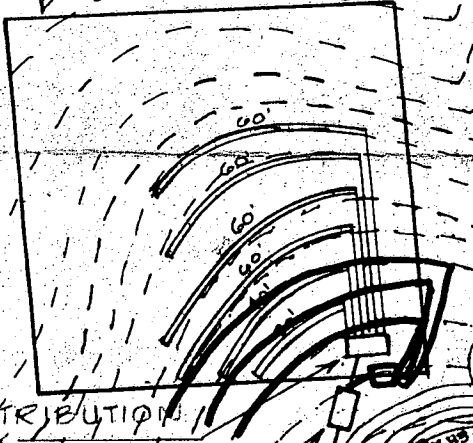
SEPTIC EASEMENT

30' BRL

N 70° 54' 25" E 398.22'

FAWIN RUN COURT

12603 FAWN RUN CT.



ASPHALT DRIVE

DISTRIBUTION BOX
1500 GAL SEPTIC TANK

FF = 485.3
BSMT = 475.3

GAR

4" CONC WALK

L = 323.22'

N 63° 10' 43" W
34.79'

115.0'

3.84'

30' BRL

5' BRL

450

460

470

480

484

470

490