

116199
11-12

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 5111438

A 38498

DISTRICT 3rd

DATE 7-29-98

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXX~~ 410-313-2640

03-312690

DATE SYSTEM APPROVED 1/6/99

INSPECTOR DKS

INDEXED

Olen Ketterman IS PERMITTED TO INSTALL ALTER

ADDRESS 14960 Route 144 Woodbine, MD 21797 PHONE 410-442-1336

SUBDIVISION Triadelphia Woods LOT 49 ROAD 12612 Golden Oak Drive

PROPERTY OWNER Selfridge Builders, Inc. ~~fax~~ 410-531-8939

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 180

TRENCHES - Trench to be 2 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 7 feet below original grade. Effective area begins at 3 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Starting from the lot corner on left at the end of the flagstem, place the distribution box 255 feet down the left (395') lot line and 25 feet off the same lot line as seen when facing the lot from Golden Oak Drive. Run trenches on contour toward the back of the lot.

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

OK KM 7-29-98

PLANS APPROVED BY Mark Rifkin/Amy McMillen REVISED DATE 7/27/98

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

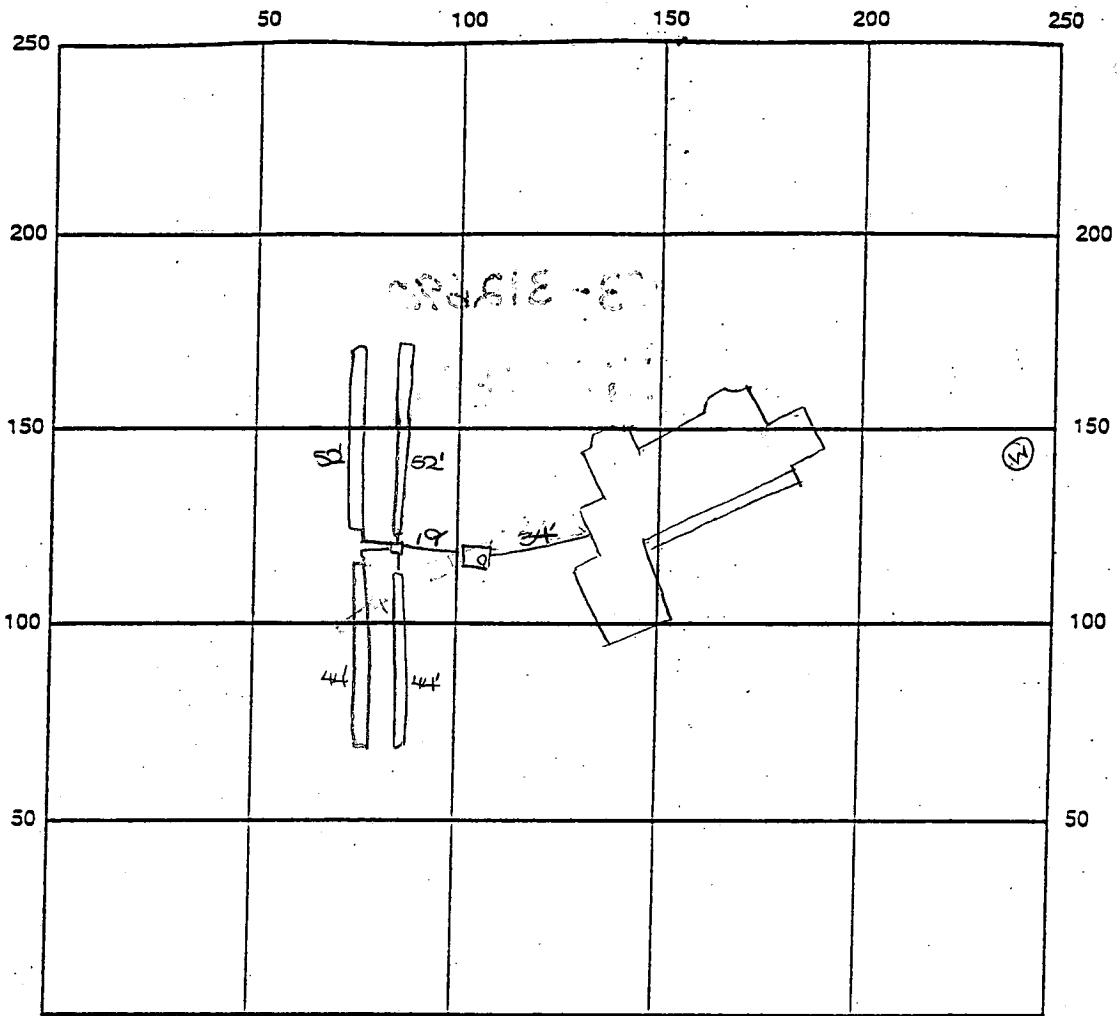
PERMIT VOID AFTER TWO YEARS

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**

38498



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Golden Oak Drive

SEPTIC TANK LEVEL OK - 1500 gal CLEANOUTS one on st.

DISTRIBUTION BOX LEVEL OK

DRAIN FIELD/TITLE DEPTH 7 FT. TRENCH WIDTH 2 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 4 FT. TOTAL LENGTH 2 x 44' 2 x 52' + 192'

NUMBER OF TRENCHES 4 ONE SIDEWALL/BOTTOM AREA 768 SQ. FT.

DRYWALL INSIDE DIAMETER - FT. EFFECTIVE DEPTH BELOW INLET - FT.

ABSORBENT AREA - SQ. FT.

REMARKS: 1/6/99 a.m. NO work completed: DKS

1/6/99 P.M. FINAL INSP - OK TO COVER ALL WORK. DKS

DATE SYSTEM APPROVED 1/6/99 INSPECTOR [Signature]

APPLICATION

38498

PERCOLATION TESTING

A _____

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 COMPANY INC. Selfridge Builders

ADDRESS _____ PHONE 531-5539

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Triadelphia Woods LOT NO. 3147 ^{LOT 49 Prelim 6/29}

ROAD AND DESCRIPTION 12412 Golden Oak Dr. Triadelphia Road on Right
1/2 mile west of Conrod Mill Rd

TAX MAP 22 PARCEL # 528

BLDG. PERMIT SIGNED
AND RETURNED 7-27-98
Serial # B00113218
TYPE BLDG. SFD- 4Bm
(SINGLE FAMILY DWELLING OR COMMERCIAL)

SIZE OF LOT 3 AC.±

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. Demmitt
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

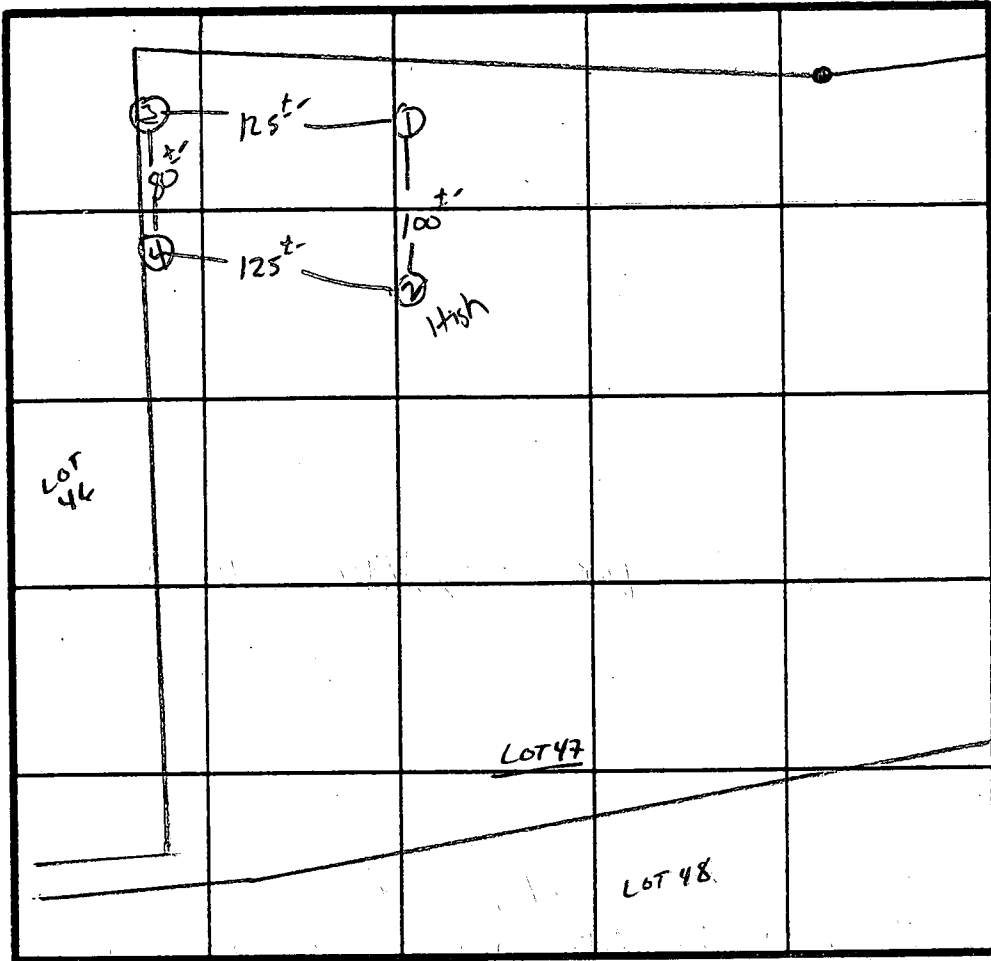
REASONS FOR REJECTION OR HOLDING 2-13-87 Perc. satisfactory; hold for subdivision plat. S. H. H.

THIS IS NOT A PERMIT

Ⓟ Ⓠ

SOIL PROFILE

0	A1-3
1'	Yellow Br Silty loam 9-12% clms 10-15% frags
3'	Yellow Br Silty loam 10-15% FRAGS



̄ Per 2 min.
160 φ 1 BR
INLET 3"
BOTTOM 8"

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

↓ TO TRIADelphia Rd.

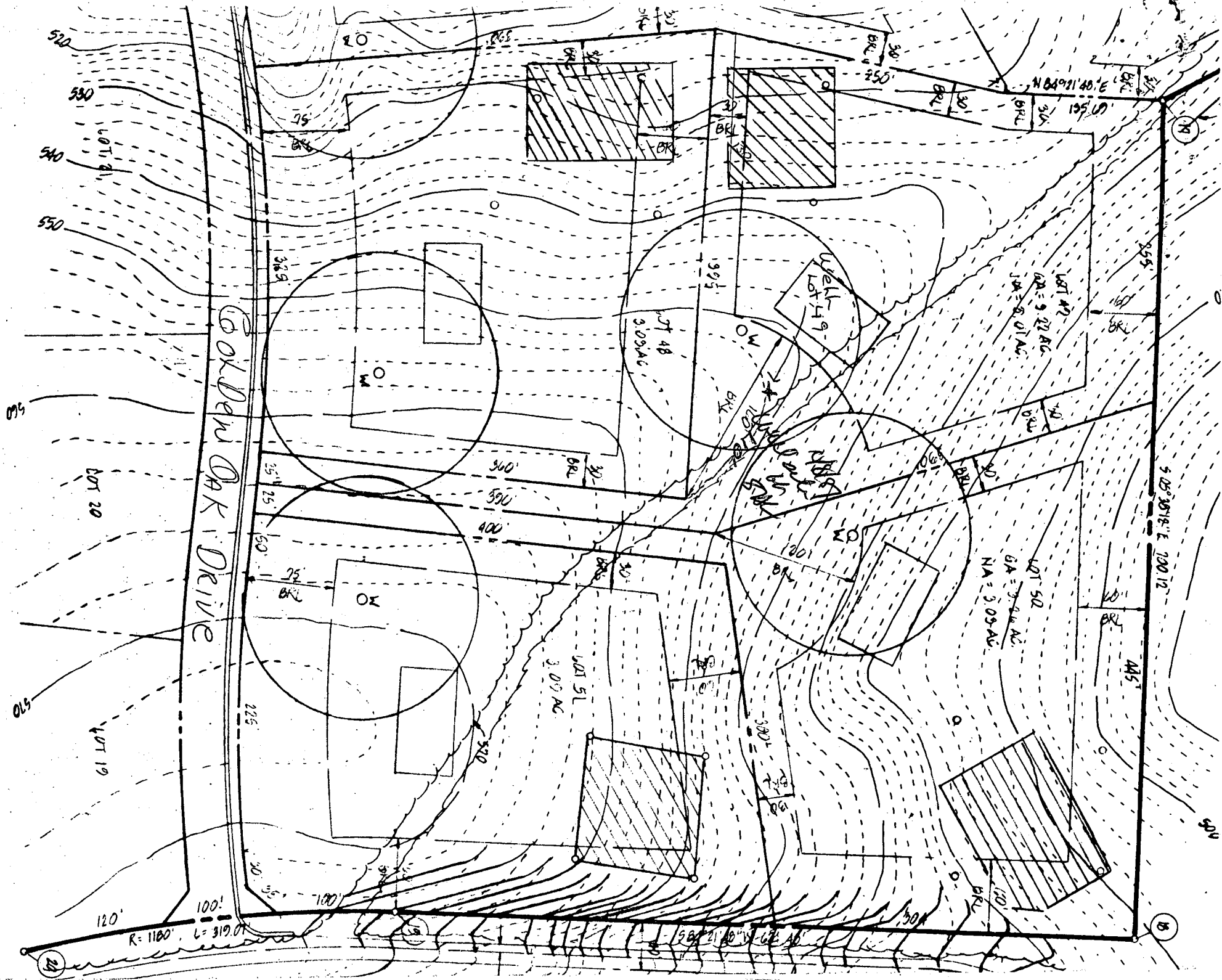
DATE	TEST NO.	DEPTH	PRE-WET		TEST 1" DROP		TIME
			START	STOP	START	STOP	
2/13/87	1 S	4"	2:44	2:45	2:45	2:47	2 MIN
	1 V	12"	UNIFORM SOIL below 3"				
	2 V	12"	UNIFORM SOIL below 3.5"				
	3 S	3"	2:32	2:33	2:33	2:35	2 MIN
	3 V	12"	UNIFORM SOIL below 3"				
	4 S	3"	11:45	11:46	11:46	11:48	2 MIN
	4 M	7.5"	11:45	11:46	11:46	11:48	
	4 V	13"	UNIFORM SOIL below 3"				

REMARKS HOLES DIFF THAN PLAT

TYPE OF SOIL M AND R

TESTED BY S. Abel ALSO PRESENT Jeff, Neil, Jim
CACIANO

EH-12-1079



C1 **1975**
 SEQUENCE NO. (OEP USE ONLY)
 (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-38498**

DATE Received
 DATE WELL COMPLETED **032889**
 Depth of Well **365** (TO NEAREST FOOT)
 PERMIT NO. FROM "PERMIT TO DRILL WELL" **HO-81-2366**

OWNER **PATUXENT LAND CO.**
 STREET OR RFD last name **Golden OAK DR.** first name **Glenelg** TOWN
 SUBDIVISION **TRADICPHIA WOODS** SECTION **49** LOT **49**

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	
SAND	0	34	
GRAYISH ROCK	34	365	

4 DRY WELLS 365, 320, 280, 360 Filled in with cement + Drilling materials

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**
 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 (to nearest foot) from **0** ft. to **33** ft.
 (enter 0 if from surface)

CASING RECORD
 casing types insert appropriate code below
ST **CO** STEEL CONCRETE
PL **OT** PLASTIC OTHER
 MAIN CASING TYPE **ST** Nominal diameter (nearest inch) **6** Total depth of main casing (nearest foot) **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** STEEL BRASS OPEN HOLE
PL **OT** PLASTIC OTHER

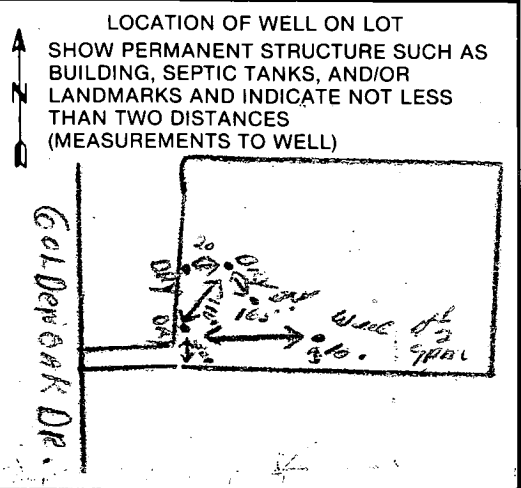
C2
 DEPTH (nearest ft.)
 EACH SCREEN **HO** **38** **365**
 SLOT SIZE 1 2 3
 DIAMETER OF SCREEN (NEAREST INCH) from to

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

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)
 T (E.R.O.S.) WQ
 TELESCOPE CASING LOG INDICATOR OTHER DATA

C3
PUMPING TEST
 HOURS PUMPED (nearest hour) **3**
 PUMPING RATE (gal. per min. to nearest gal.) **43**
 METHOD USED TO MEASURE PUMPING RATE **Bucket**
 WATER LEVEL (distance from land surface) BEFORE PUMPING **46** WHEN PUMPING **205**
 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)



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. **238**
 DRILLERS SIGNATURE **Joseph P. Margone**
 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 - 81-2366
 Location of property (road) Golden OAK DR
 Subdivision TRIADALENA WOODS Lot 49 Block _____ Plat _____ Sec. _____
 Well Driller J. MAYNE Owner PATUXENT LAND Co.

Depth of well 365'
 Distance of measuring point (M.P.) above ground 2'
 Static water level (S.W.L.) below M.P. 46'

I. High rate pumping -- reservoir drawdown

Time pump started 7:30 Pumping rate 159 gpm
 Total time 30 min. to reach pumping water level 205' 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 $\frac{1}{2}$ gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
7:45	154'	4 sec		15
8:00	205	4		15
8:15	205	13		4 1/2
8:30	205	13		4 1/2
8:45	205	13		4 1/2
9:00	205	13		4 1/2
9:15	205	13		4 1/2
9:30	205	13		4 1/2
9:45	205	13		4 1/2
10:00	205	13		4 1/2
10:15	205	13		4 1/2
10:30	205	13		4 1/2
10:45	205	13		4 1/2
11:00	205	13		4 1/2
11:15	205	13		4 1/2
11:30	205	13		4 1/2
11:45	205	13		4 1/2
12:00	205	13		4 1/2
12:15	205	13		4 1/2
12:30	205	13		4 1/2
12:45	205	13		4 1/2
1:00	205	13		4 1/2
1:15	205	13		4 1/2
1:30	205	13		4 1/2
1:45	205	13		4 1/2
HD-224 45				
2:00				

B 1 **9341** SEQUENCE NO. (OEP USE ONLY)
1 2 3 4 5 6
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND
PERMIT TO DRILL WELL

please print or type

OEP PERMIT NUMBER
40-81-2366
70 fill in this form completely 79

Date Received

093087

OWNER INFORMATION

DATAVENT LAND CO.
15 Last Name 13 Owner 34 First Name
PO BOX 208
36 Street or RFD 55
CLARKSVILLE MD 21029
57 Town 70 State 72 Zip 76

B 3

LOCATION OF WELL

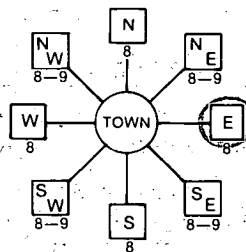
HOWARD COUNTY
TRIADDELPHI WOODS SUBDIVISION
SECTION **49** LOT **49**
GLENELG NEAREST TOWN
MILES FROM TOWN (enter 0 if in town) **2 1/2** MI

DRILLER INFORMATION

Joseph L. Wayne Driller's Name 77 License No. **80-238**
Joseph L. Wayne Well Drilling Firm Name
5512 RIVER RD. #17, ARLINGTON Address
Joseph L. Wayne Signature **9/25/87** Date

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



GOLDEN CREEK DRIVE NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



400 DISTANCE FROM ROAD

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 COUNTY NAME **A-38498** COUNTY NO.
OEP SIGNATURE **Richard Abel** STATE HEALTH SIGNATURE **NEW EXPIRE 4/25/89**
DATE ISSUED **102687** CO SIGNATURE **04-25-88** EXP. DATE
NORTH GRID **526000** EAST GRID **0814000**

APPROXIMATE DEPTH OF WELL **260** FEET

APPROXIMATE DIAMETER OF WELL **6** INCH

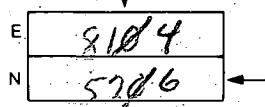
METHOD OF DRILLING (circle one)

BORED (or Augered) **JETTED** **Jetted & DRIVEN**
 AIR-ROtary **AIR-PERcussion** **ROtary** (Hydraulic Rotary)
 CABLE **REVerse-ROtary** **DRive-POINT**
other _____

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

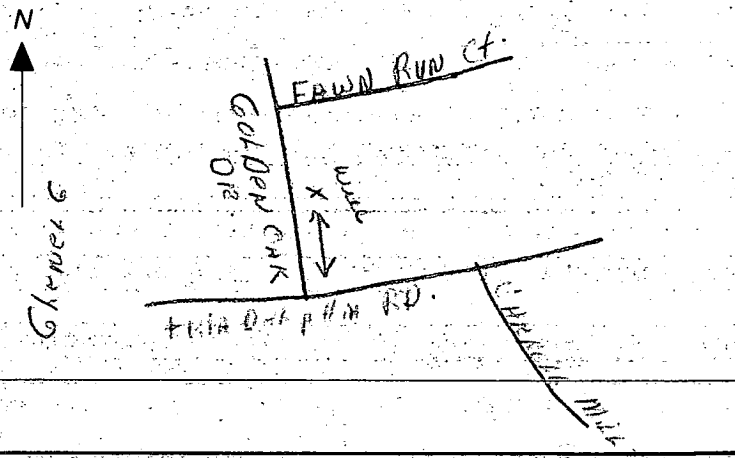
SOURCES OF DRILLING WATER
1. **WELL**
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE



3/28 10:00 OVER
40' CASING
33' OPEN OBSID
2' CASING A.G.
8 BAGS MR
1 TABOR 3/28/89

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



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 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)

APPROX. PERMIT NUMBER **G A P**

FORCE **SA** WRITE INITIALS IN BOX PERMIT No. **40-81-2366**

SPECIAL CONDITIONS

FIRST 2 WELL SITES DRY
DRILLER REFILLED EACH HOLE
3 BAGS EACH HOLE

MR 3/28/89



JOSEPH L. MAYNE

WELL DRILLING

53-12 Ridge Rd. RT. 2 BOX 479 MT. AIRY, MD 21771

10/19/88

Request For Extension Of Well Permit.

Date 10/19/88

Health Department file no. A38498

State file no. HO-81-2366

Patuxent Land Co. Lot 49 Triadelphia Woods, Golden Oak Dr.

I request that the above permit to drill a well be extended for a period of six months.

Joseph L. Mayne Well Drilling

Joseph L. Mayne

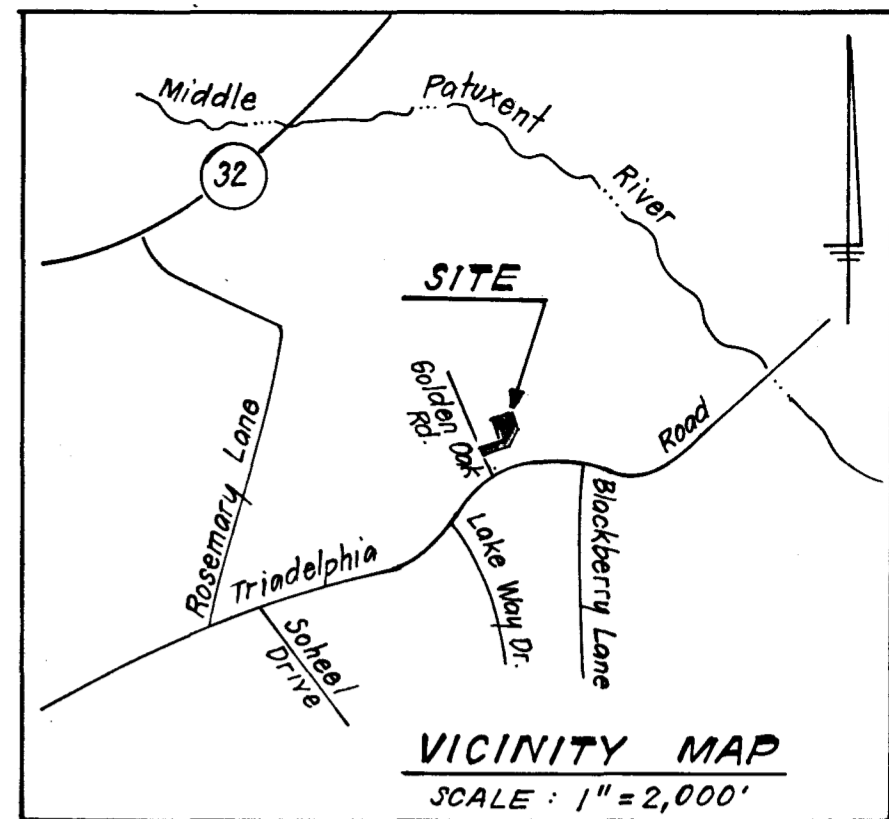
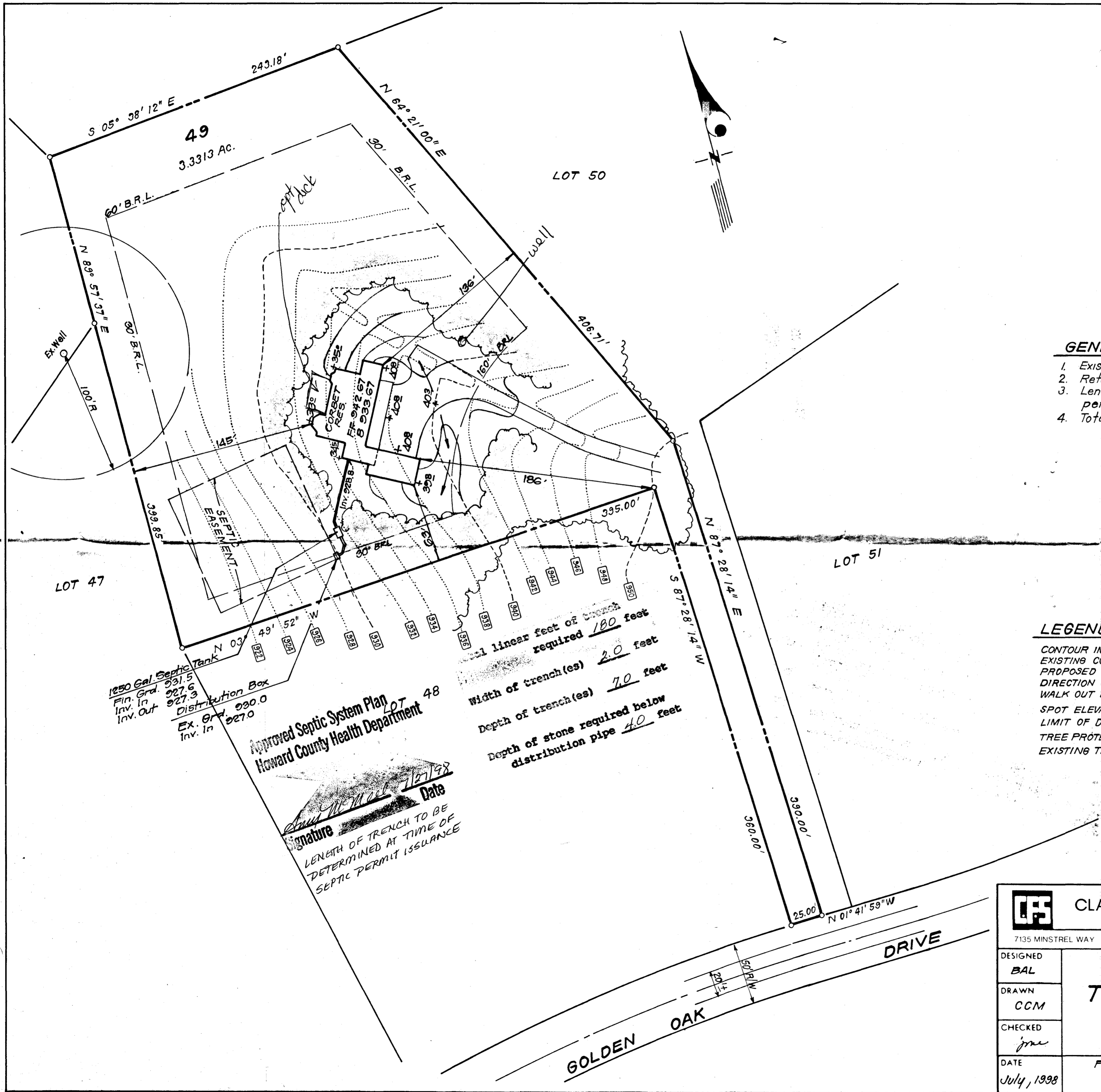
2ND EXTENSION GRANTED.

10/19/88

Craig Williams

FINAL EXPIRATION DATE 4/25/89

RECEIVED
HOWARD COUNTY
HEALTH DEPT
OCT 19 9 54 AM '88
DIVISION OF
ENVIRONMENTAL
HEALTH



GENERAL NOTES

- Existing Topography by Field Survey (C.F.S., Inc.)
- Reference: Plat Number 1738
- Length of Trenches to be determined at time of permit issuance.
- Total Area disturbed = 28,000 SF

LEGEND

- CONTOUR INTERVAL 2 FT.
- EXISTING CONTOUR 930
- PROPOSED CONTOUR 940
- DIRECTION OF DRAINAGE
- WALK OUT BASEMENT
- SPOT ELEVATION + 78.4
- LIMIT OF DISTURBED AREA L.O.D.
- TREE PROTECTION FENCE
- EXISTING TREES TO REMAIN

Approved Septic System Plan
 Howard County Health Department

Signature
 Date 7/27/98
 LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE

Minimum linear feet of trench required 180 feet
 Width of trench(es) 2.0 feet
 Depth of trench(es) 7.0 feet
 Depth of stone required below distribution pipe 4.0 feet

CLARK • FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS 7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 - BALTO • (301) 621-8100 - WASH.		
DESIGNED BAL	SITE DEVELOPMENT PLAN LOT 49 TRIADELPHIA WOODS SECTION 1 AREA 1 TAX MAP 22 PARCEL 528 THIRD (3RD) ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1" = 50'
DRAWN CCM		DRAWING 1 OF 1
CHECKED <i>jmc</i>		JOB NO. 98-031
DATE July, 1998	FOR: SELFRIDGE BUILDERS, INC. 14045 Gared Drive Glenwood, Md. 21738	FILE NO. 98-031-X