

2/26/90
7:00 pm

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

P 45455

A 38477

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

03-312593

DISTRICT 4th

DATE 1/11/90

DATE SYSTEM APPROVED 2/26/90

INSPECTOR M. Rifkin

INDEXED

~~Burgemeister-Bell, Inc.~~ Jack Fyock

IS PERMITTED TO INSTALL ALTER

ADDRESS 10331 S. Dolfield Road, Owings Mills, Maryland PHONE 363-0880

SUBDIVISION Triadelphia Woods ROAD 12655 Golden Oak Dr. LOT 28

PROPERTY OWNER Robert Schulze

ADDRESS _____

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

GARBAGE GRINDER? YES NO

SEPTIC TANK CAPACITY 2000 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 220 sq. ft. per bedroom with garbage disposal. Trench to be 2 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 8 feet below original grade. Effective area begins at 3 feet below original grade. 5 feet of stone below distribution pipe.

LOCATION - Place the distribution box 100 feet from well, approximately 165 feet from front lot line and approximately 120 feet from right lot line. Run trenches along contour 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)

PLANS APPROVED BY C. Williams DATE 11/09/89

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

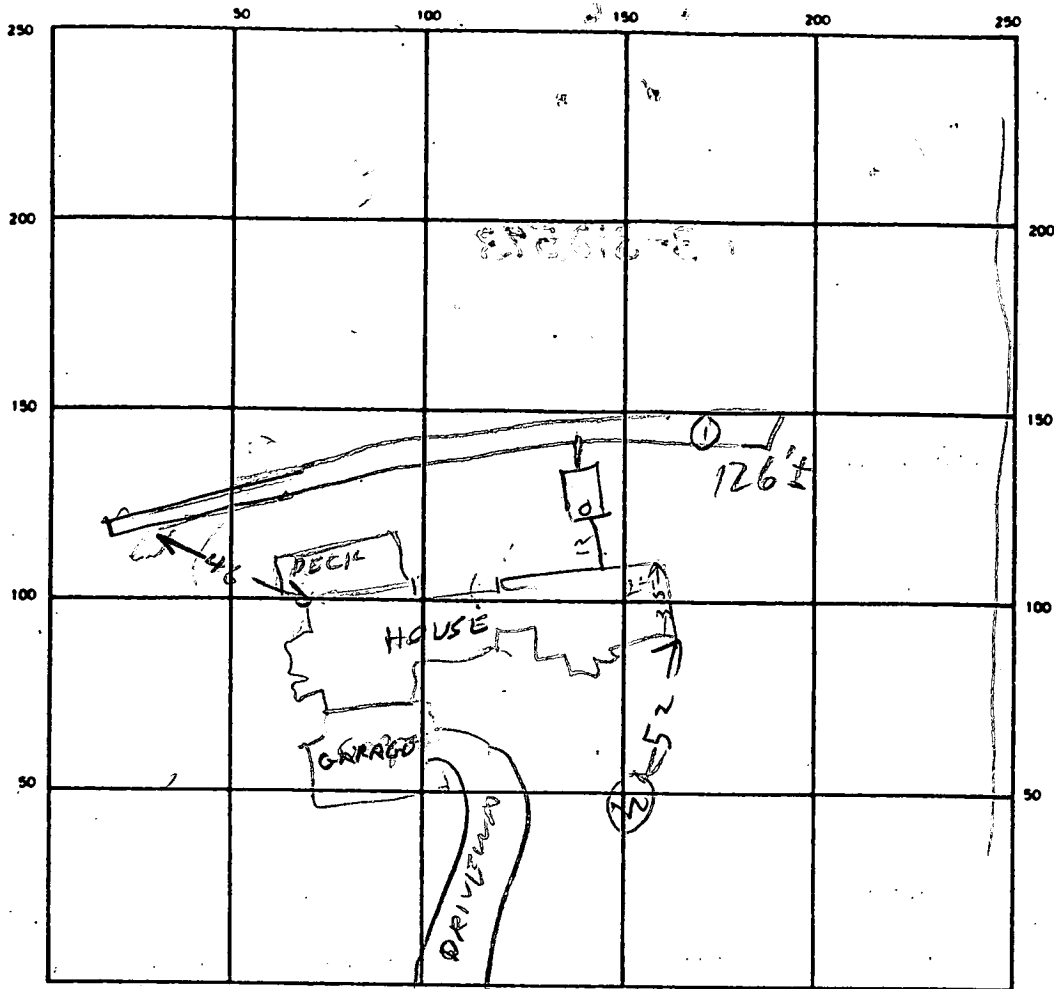
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

***INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

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

A 38477



GOLDEN OAK DR

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 2000 CLEANOUTS ST OK

DISTRIBUTION BOX LEVEL OK BAFFLE IN

DRAIN FIELD/TILE FIELD DEPTH 10.5 FT. TRENCH WIDTH 2 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 7.5 FT. TOTAL LENGTH 126 FT.

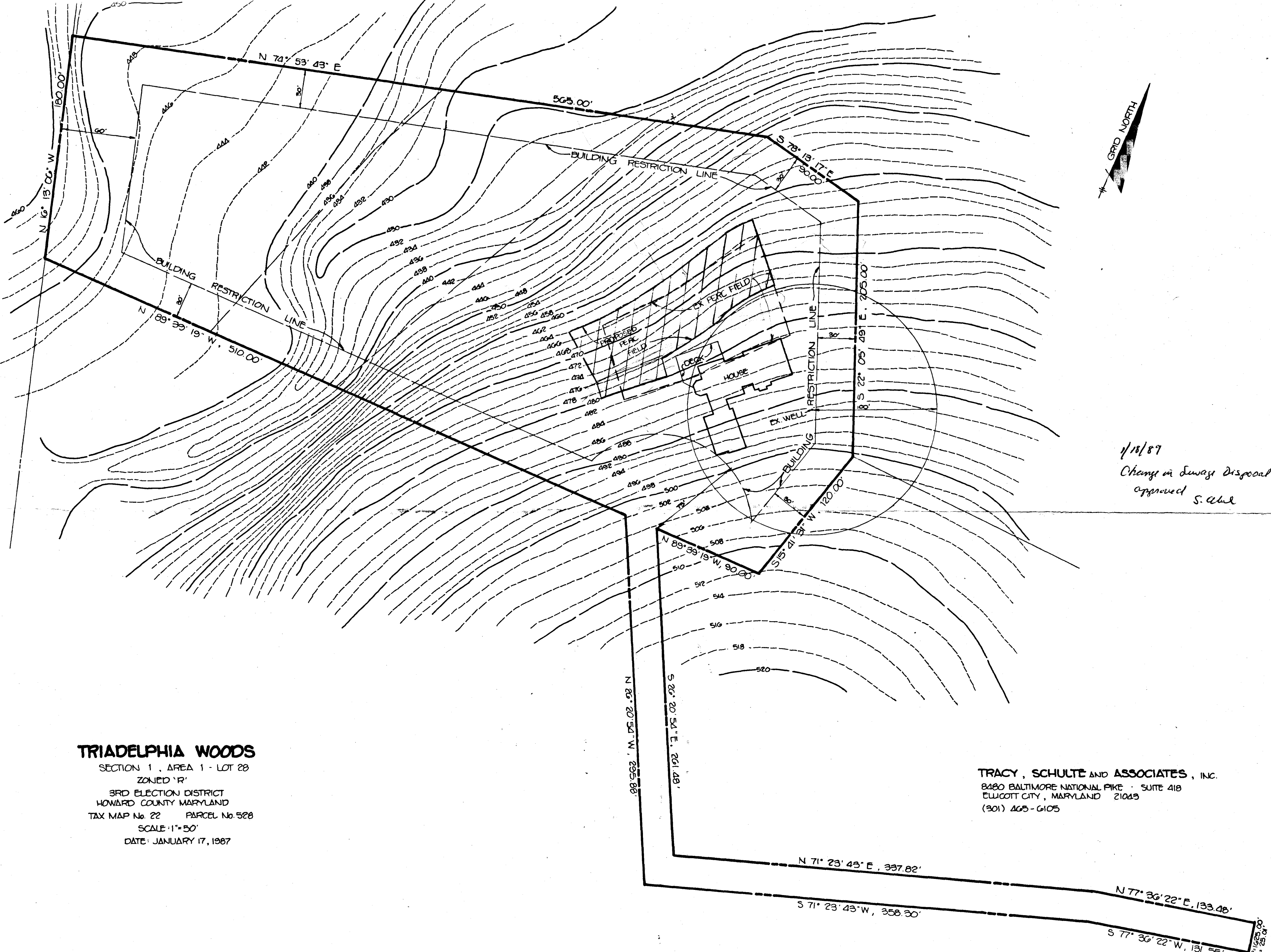
NUMBER OF TRENCHES 1 ONE SIDEWALL BOTTOM AREA 945 SQ. FT.

DRYWELL INSIDE DIAMETER FT. EFFECTIVE DEPTH BELOW INLET FT.

ABSORBENT AREA 945 SQ. FT.

REMARKS 2/26/90-AM TANK OK. TRENCH STARTED 40 FT LONG 10 1/2 FT DEEP
FINISH TRENCH & ADD STONE RIT 2/26/90 #2 OK TO CONTINUE
TRENCH TO 86', DIG OUT TO 126' & COVER MR

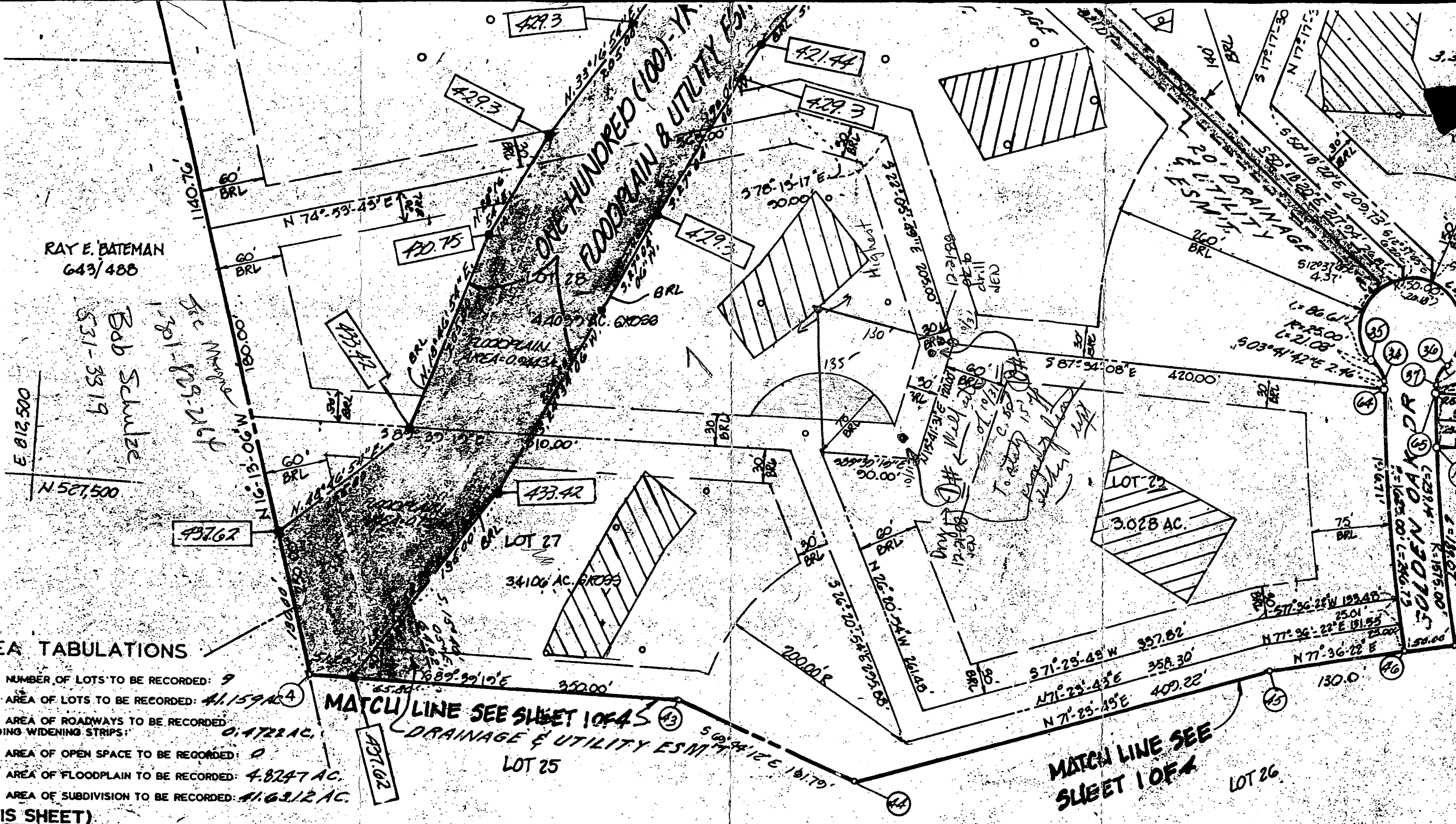
DATE SYSTEM APPROVED 2/26/90 INSPECTOR M. Riffin



1/18/87
 Change in Sewage Disposal Area
 approved S. Auld

TRIADELPHIA WOODS
 SECTION 1, AREA 1 - LOT 28
 ZONED 'R'
 3RD ELECTION DISTRICT
 HOWARD COUNTY MARYLAND
 TAX MAP No. 22 PARCEL No. 528
 SCALE: 1"=50'
 DATE: JANUARY 17, 1987

TRACY, SCHULTE AND ASSOCIATES, INC.
 8480 BALTIMORE NATIONAL PIKE - SUITE 418
 ELLICOTT CITY, MARYLAND 21043
 (301) 465-6105



RAY E. BATEMAN
643/488

Bdb Schulze
531-3319

TABLETATIONS

- NUMBER OF LOTS TO BE RECORDED: 9
- AREA OF LOTS TO BE RECORDED: 41.159 AC. (4)
- AREA OF ROADWAYS TO BE RECORDED INCLUDING WIDENING STRIPS: 0.4722 AC.
- AREA OF OPEN SPACE TO BE RECORDED: 0
- AREA OF FLOODPLAIN TO BE RECORDED: 4.8247 AC.
- AREA OF SUBDIVISION TO BE RECORDED: 41.6312 AC.

(THIS SHEET)

FOR PRIVATE WATER AND PRIVATE
SEWER SYSTEMS.
COUNTY HEALTH DEPARTMENT

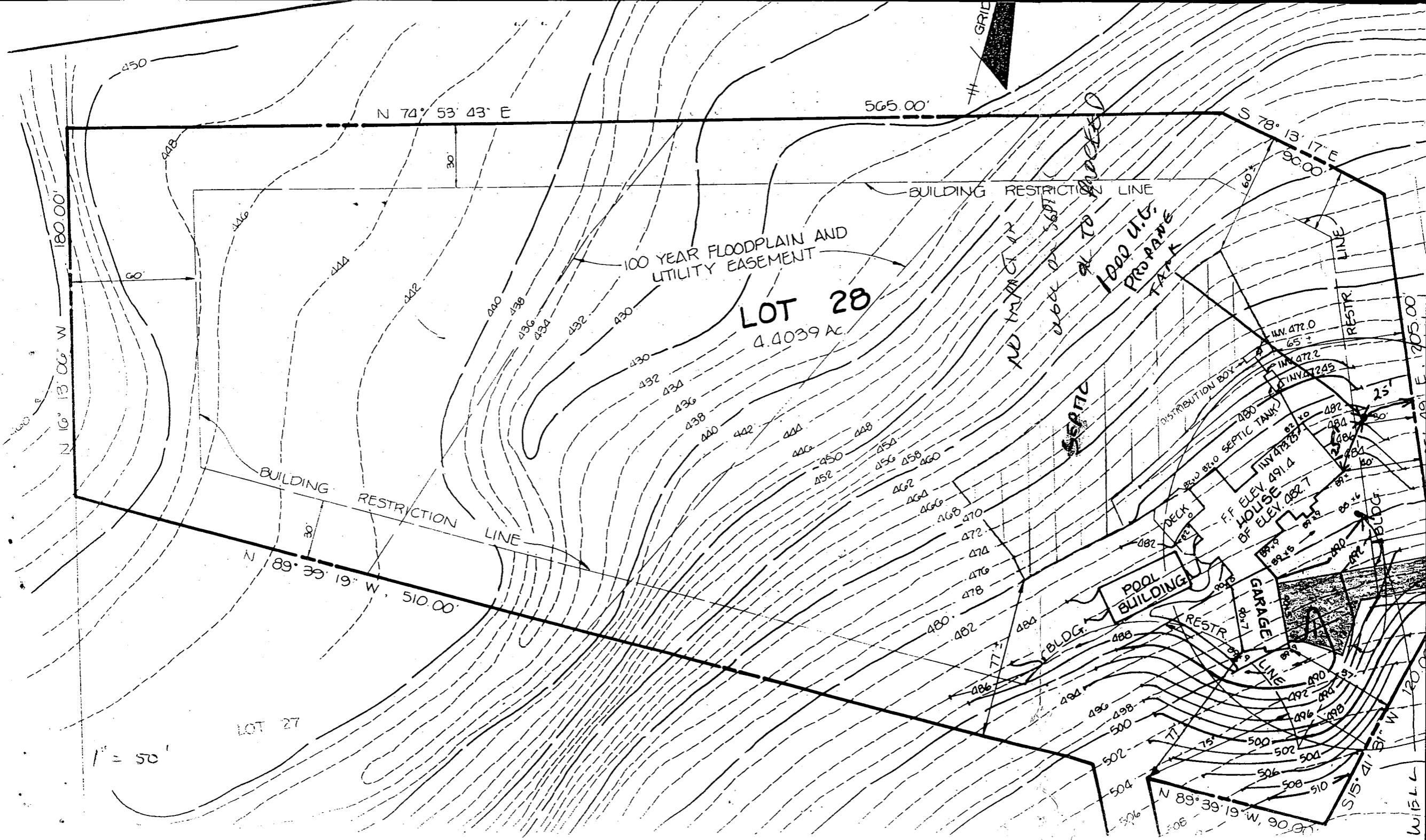
OWNER'S STATEMENT

SURVEYOR'S CERTIFICATE

MATCH LINE SEE SHEET 1 OF 4

MATCH LINE SEE SHEET 1 OF 4

GOLDEN OAK DR



N 74° 53' 43" E

565.00'

GRID

S 78° 13' 17" E
90.00'

100 YEAR FLOODPLAIN AND
UTILITY EASEMENT

LOT 28
4.4039 AC

BUILDING RESTRICTION LINE

NO TRACK AT 567

SEPTIC

1000 U.G.
PROPANE
TANK

DISTRIBUTION BOX

SEPTIC TANK

FF HOUSE
ELEV. 482.7

POOL BUILDING

GARAGE
RESTR. LINE

LOT 27

1" = 50'

N 89° 39' 19" W
510.00'

N 89° 39' 19" W, 90.00'

W 157.91'

APPLICATION

PERCOLATION TESTING

A 38477

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 Palmerland Land Co. Inc.
Robert Scholze

ADDRESS _____ PHONE 531-5539

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Triadelphia Woods LOT NO. LOT 28 Prelim 10/28 '89

ROAD AND DESCRIPTION Triadelphia Rd. on right 1/2 mile west of Carroll Mt. Rd.

TAX MAP 22 PARCEL # 528 12655 Goldow Oak Dr.

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.

Michael J. Bennett
(SIGNATURE OF APPLICANT)

APPROVED BY Sidney Abel FOR Deep trenches DATE 6-20-89

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 2-11-87 Perc Satisfactory; Hold for Subdivision Plat. Signed

BLDG. PERMIT SIGNED
AND RETURNED 9/19/87
Seal # 29927-SFD
Prepare/Link

PERMIT SIGNED
AND RETURNED 6-20-89
BP 27072 SAC

THIS IS NOT A PERMIT

B 12 7935 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

70 79 H0-88-0269 fill in this form completely

Date Received (APA)

1 0 2 7 8 8

OWNER INFORMATION

8 SCHULZE 13 BOB 34

15 Last Name Owner First Name 34
36 COLLEN OAK DR. 55

57 ELLICE TA 70 CITY MD 21043 76

DRILLER INFORMATION

Driller's Name Joseph L. Mayne 77 License No. 80 238

Firm Name Joseph L. Mayne Well Driller

Address 5512 RIDGE RD. Int. Hwy 21771

Signature Joseph Mayne Date 10/24/88

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)

APPROXIMATE DEPTH OF WELL 300 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST

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)

- [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)

APPROP. PERMIT NUMBER GAP

FORCE [C] WRITE INITIALS IN BOX PERMIT NO. 80-88-0269

SPECIAL CONDITIONS

LOCATION OF WELL

HOWARD COUNTY

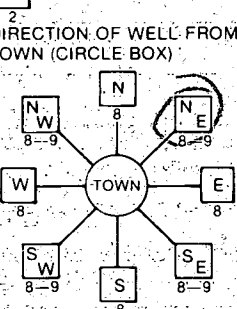
FRIADELPHIA WOODS

SECTION 44 46 LOT 28 48 50

GLOWEKS NEAREST TOWN

MILES FROM TOWN (enter 0 if in town) 2.3 MI

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Golden Oak Dr. NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH SOUTH WEST EAST DISTANCE FROM ROAD 450 ENTER FT or MI

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

HOWARD COUNTY NAME A-38 COUNTY NO.

STATE SIGNATURE DATE ISSUED 110188 x Charles Beatty

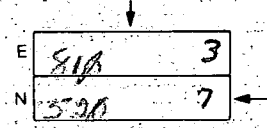
CO SIGNATURE EXP. DATE

NORTH GRID 527000 EAST GRID 0813000

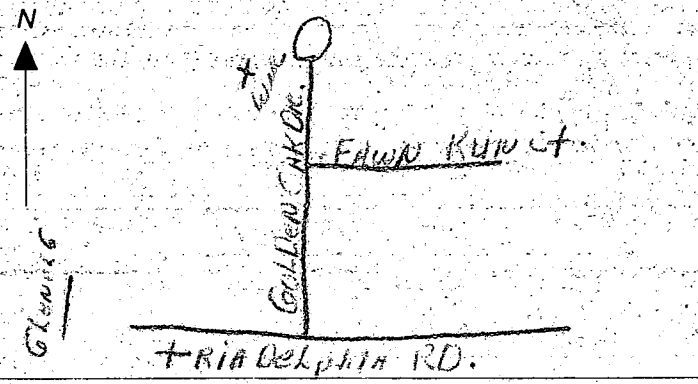
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

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



1/5/88

- ① 40 FT casing
- ② 35 FT open hole
- ③ 10 Bags
- ④ Not sure of location but looks OK (In woods)
- ⑤ Well OK

B. G. H. J.

C1 6607 SEQUENCE NO. (DENV 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 R# 38477

DATE RECEIVED
8 13

DATE WELL COMPLETED
01/05/89
15 20

DEPTH OF WELL
22 300 26
(TO NEAREST FOOT)

PERMIT NO.
FROM "PERMIT TO DRILL WELL"
H0-8A-0269
28 29 30 31 32 33 34 35 36 37

OWNER CAHILL Z E BOR
STREET OR RFD last name GOLDEN OAK DR first name TOWN GLENELG
SUBDIVISION TRADELINDIA WOODS SECTION LOT 28

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	35	
GRAY Mich Rock	35	300	

2 1/2" diameter 380' 200'
Filled in with cement & drilling materials

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 10 NO. OF POUNDS 940
GALLONS OF WATER 66
DEPTH OF GROUT SEAL (to nearest foot)
from 0 ft to 35 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 (nearest inch) Total depth of main casing (nearest foot)
ST 6 40

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

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

DEPTH (nearest ft.)
EACH SCREEN 1 40 2 39 3 300
SLOT SIZE 1 2 3
DIAMETER OF SCREEN (NEAREST INCH)
from to

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. 238

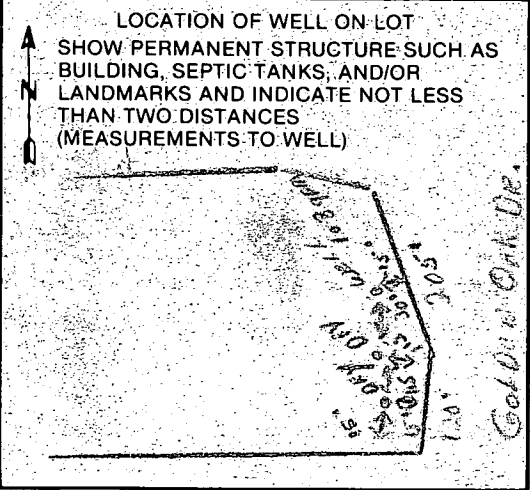
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)
SITE SUPERVISOR (sign of driller or journeyman responsible for sitework if different from permittee)

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

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

PUMPING TEST
HOURS PUMPED (nearest hour) 6
PUMPING RATE (gal. per min. to nearest gal.) 108
METHOD USED TO MEASURE PUMPING RATE Bucket
WATER LEVEL (distance from land surface) BEFORE PUMPING 35
WHEN PUMPING 242
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 } LAND SURFACE } - below } 1 (nearest foot) 49 51



FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 88-0269
 Location of property (road) GOLDEN OAK DR.
 Subdivision TRIADELPHIA WOODS Lot 28 Block Plat Sec.
 Well Driller J. MAYNE Owner

Depth of well 300
 Distance of measuring point (M.P.) above ground 1
 Static water level (S.W.L.) below M.P. 35

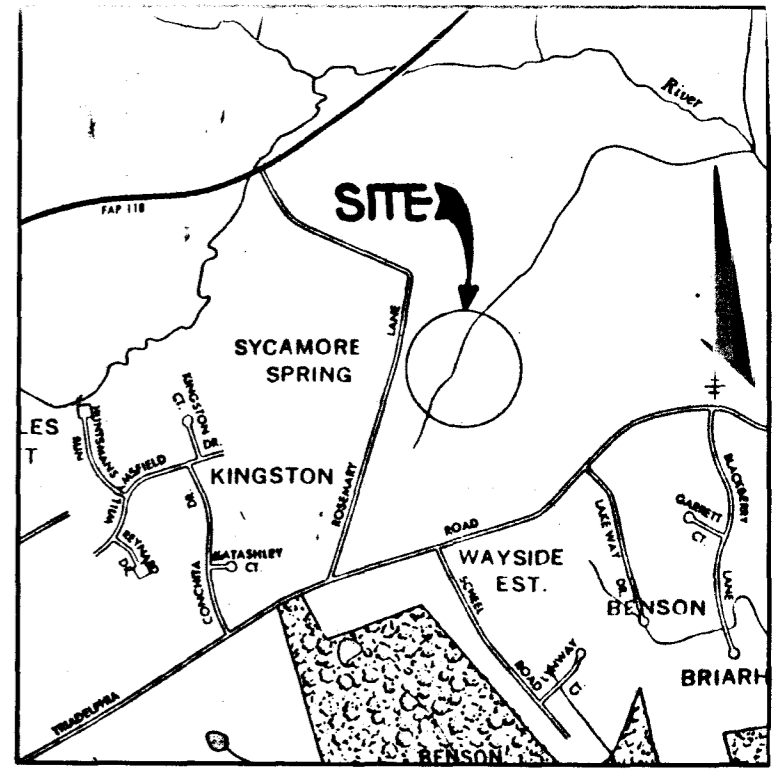
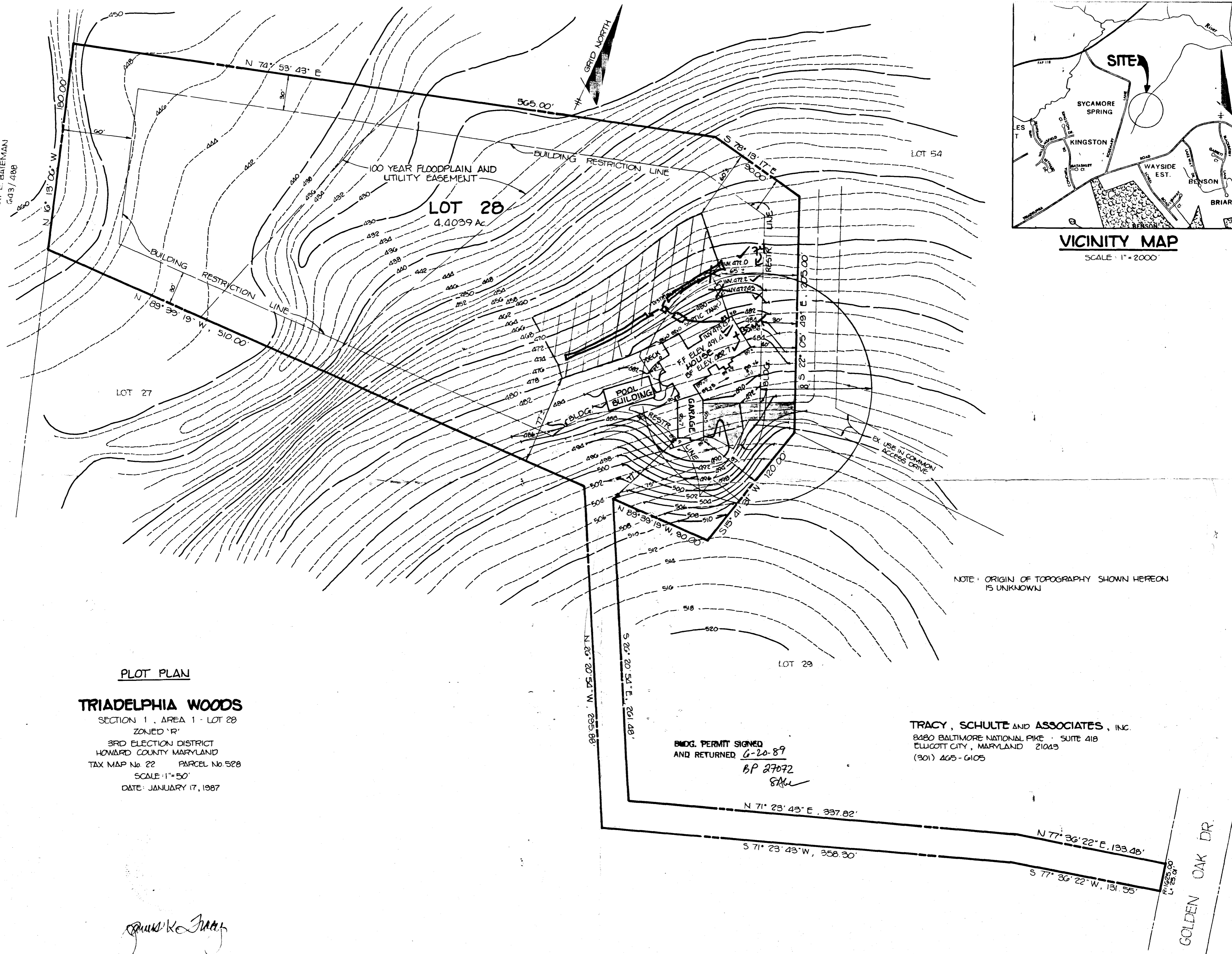
I. High rate pumping -- reservoir drawdown

Time pump started 8:15 Pumping rate 15 G.P.M.
 Total time 30min. to reach pumping water level 240 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)
8:30	156	4	N/A	15 G.P.M.
8:45	240	5		12
9:00	240	30		2
9:15	240	30		2
9:30	240	30		2
9:45	240	30		2
10:00	240	30		2
10:15	242	30		2
10:30	242	32		1.8
10:45	242	32		1.8
11:00	242	32		1.8
11:15	242	32		1.8
11:30	242	32		1.8
11:45	242	32		1.8
12:00	242	32		1.8
12:15	242	32		1.8
12:30	242	32		1.8
12:45	242	32		1.8
1:00	242	32		1.8
1:15	242	32		1.8
1:30	242	32		1.8
1:45	242	32		1.8
2:00	242	32		1.8
2:15	242	32		1.8
HD-22:30	242	32		1.8
2:45	242	32		1.8

PROPERTY OF RAY E. BATEMAN
6-03/488



VICINITY MAP
SCALE: 1" = 2000'

PLOT PLAN

TRIADDELPHIA WOODS
SECTION 1, AREA 1 - LOT 28
ZONED 'R'
3RD ELECTION DISTRICT
HOWARD COUNTY MARYLAND
TAX MAP No. 22 PARCEL No. 528
SCALE: 1" = 50'
DATE: JANUARY 17, 1987

TRACY, SCHULTE AND ASSOCIATES, INC.
8480 BALTIMORE NATIONAL PIKE - SUITE 418
ELLICOTT CITY, MARYLAND 21043
(301) 465-6105

BMDG. PERMIT SIGNED
AND RETURNED 6-20-89
BP 27072
SKL

James K. Tracy

GOLDEN OAK DR.