

8-19-86  
ASAP

APPROVED  
8/19/86  
RHP 37601

# PERMIT

SEWAGE DISPOSAL SYSTEM

A 35763

MARYLAND STATE DEPARTMENT OF HEALTH\*

HOWARD COUNTY

BUREAU OF ENVIRONMENTAL HEALTH

888-2330XX

461-9933

ELLICOTT CITY

DISTRICT 5th

DATE 9/2/86

INDEXED

Jack Fyock

IS PERMITTED TO INSTALL ☒ ALTER ☐

ADDRESS \_\_\_\_\_ PHONE 988-9270

SUBDIVISION Kennard Warfield ROAD 4340 Ten Oaks Road LOT 9

PROPERTY OWNER William & Grace Stanton

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 - 180 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 3 1/2 feet below original grade. Bottom maximum depth 8 1/2 feet below original grade. Effective area begins at 3 1/2 feet below original grade. 5 feet of stone below distribution pipe.

LOCATION - Place 1st trench 263 ft down the 1419.55' lot line and 26 feet off the right (1419.55') lot line as seen when facing property from Ten Oaks Road. Run trenches along contour towards the back (558.85') lot line. Be sure to maintain at least 100 feet from trench to well.

NOTE - No trench to exceed 100 feet in length. If more than one trench used, a distribution box is required. Call for inspection of trench(s) before and after gravel is installed. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. ok/cw

LOCATION MAY BE CHANGED AT TIME OF INSTALLATION PENDING OUTCOME OF OBSERVATION HOLES.

6/03/86 - C. Williams START THE TRENCH AT A POINT 320 FT FROM THE FRONT LINE & 263 FT FROM THE

PLANS APPROVED BY B. Nixon DATE  
RIGHT SIDE OF THE LOT AS SEEN WHEN COVER NO WORK UNTIL INSPECTED AND APPROVED. FACING THE LOT FROM TEN OAKS RD

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.

NOTE: IF TRENCH IS USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH.

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 THREE 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

\*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APROVAL ON THIS PERMIT

\*CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1082

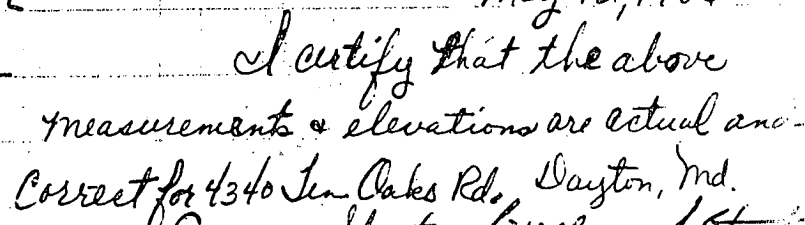
1803  
3  
540

RUN THE TRENCH TOWARD THE RIGHT SIDBLING 1419.55' LONG

35763



4340 W TEN OAKS ROAD



<b>C1</b> 00809 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)	SEQUENCE NO. (OEP USE ONLY)	<b>STATE OF MARYLAND</b> <b>WELL COMPLETION REPORT</b> FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
DATE Received 8    13	DATE WELL COMPLETED 15    20	Depth of Well 22    38    4    26 (TO NEAREST FOOT)	COUNTY NUMBER A 35763
OWNER STANTON last name		PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-81-1271	
STREET OR RFD TENNIS LANE ROAD		first name	
SUBDIVISION KENNARD WARFIELD		TOWN DAYTON	
SECTION		LOT 9	

<b>WELL LOG</b> Not required for driven wells		<b>GROUTING RECORD</b>		<b>C 3</b>	
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING		WELL HAS BEEN GROUTED (Circle Appropriate Box) <input checked="" type="checkbox"/> Y <input type="checkbox"/> N		PUMPING TEST	
DESCRIPTION (Use additional sheets if needed)	FEET	CEMENT <input checked="" type="checkbox"/> BENTONITE CLAY <input checked="" type="checkbox"/>		HOURS PUMPED (nearest hour) 3	
	FROM TO	NO. OF BAGS 13 NO. OF POUNDS 1300		PUMPING RATE (gal. per min. to nearest gal.) 10	
OB Slate 25 380	0 25	GALLONS OF WATER 78		METHOD USED TO MEASURE PUMPING RATE Submersible	
		DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 58 ft.		WATER LEVEL (distance from land surface) BEFORE PUMPING 47	
		Casing types: insert appropriate code below		WHEN PUMPING 60	
		Casing RECORD <input checked="" type="checkbox"/> ST <input checked="" type="checkbox"/> CO STEEL CONCRETE <input checked="" type="checkbox"/> PL <input type="checkbox"/> OT PLASTIC OTHER		TYPE OF PUMP USED (for test) <input checked="" type="checkbox"/> A air <input type="checkbox"/> P piston <input type="checkbox"/> T turbine <input checked="" type="checkbox"/> C centrifugal <input type="checkbox"/> R rotary <input type="checkbox"/> O other (describe below) <input checked="" type="checkbox"/> J jet <input checked="" type="checkbox"/> S submersible	
		MAIN Casing TYPE 57		PUMP INSTALLED	
		Nominal diameter 6		DRILLER WILL INSTALL PUMP YES NO	
		Total depth of main casing 57		IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE	
		OTHER CASING (if used)		TYPE OF PUMP INSTALLED	
		diameter inch depth (feet) from to		PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE: 29	
		SCREEN RECORD		CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35	
		screen type or open hole: insert appropriate code below		PUMP HORSE POWER 37 41	
		<input checked="" type="checkbox"/> ST STEEL <input checked="" type="checkbox"/> BR BRASS <input checked="" type="checkbox"/> HO OPEN HOLE <input checked="" type="checkbox"/> PL PLASTIC <input type="checkbox"/> OT OTHER		PUMP COLUMN LENGTH (nearest ft.) 43 47	
		<b>C 2</b>		CASING HEIGHT (circle appropriate box and enter casing height) <input checked="" type="checkbox"/> above 49 } LAND SURFACE 11 (nearest foot) <input type="checkbox"/> below 49 }	
		DEPTH (nearest ft.)		LOCATION OF WELL ON LOT	
		1 40 58 380		SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)	
		2 23 24 26 30 32 36		A	
		3 38 39 41 45 47 51		N	
		SLOT SIZE 1 2 3		D	
		DIAMETER OF SCREEN 56 60 (NEAREST INCH)		530'	
		GRAVEL PACK from to		House	
		IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68		60	
		OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)		68	
		T (E.R.O.S.) WQ			
		70 72 74 75 76			
		TELESCOPE CASING LOG INDICATOR OTHER DATA			
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. 177					
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)					
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)					

REVIEWED BY

Owner or Applicant Wm & Grace Stanton

Subdivision Kennard Warfield

Lot 9 Block        Plat        Sec.       

Depth of Well 380

Height of Measuring Point Above Ground 18"

Static Water Level Below Measuring Point 45'

The first entry in the table must be when you begin the drawdown. Enter all appropriate information. Indicate when the drawdown phase ends and the recovery test begins.

[illegible]

Review 179650

FIELD DATA SHEET  
HOWARD COUNTY WELL YIELD TEST

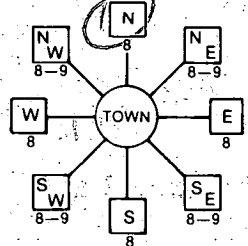

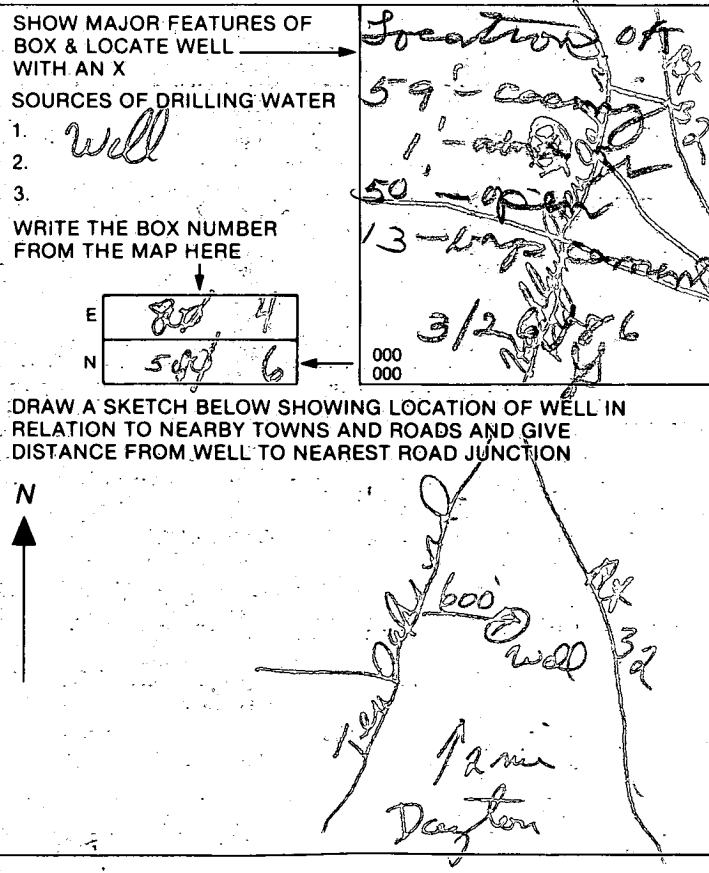
Well Permit No. HO - 81-1271  
Location of property (road) New Cokes Rd  
Subdivision Leppard Woods Lot 9 Block        Plat        Sec.         
Well Driller Casper - Gauer Owner Grace + Wm Stanton  
Depth of well 380'  
Distance of measuring point (M.P.) above ground 1'  
Static water level (S.W.L.) below M.P. 45'

∴ High rate pumping -- reservoir drawdown

Time pump started 1:00 Pumping rate 12  
Total time 30 min to reach pumping water level 60 ft. below M.P.

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

[illegible]

B 1	3396	SEQUENCE NO. (OEP USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL	OEP PERMIT NUMBER <b>HO-81-1271</b>
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)		please print or type		
Date Received <b>3/26/86</b> <div style="border: 1px solid black; width: 100px; height: 20px; margin: 5px;"></div>		LOCATION OF WELL 8 COUNTY <b>HOWARD</b> 23 SUBDIVISION <b>KENNARD WARFIELD</b> SECTION <b>44</b> LOT <b>9</b> PARCEL <b>2</b> 52 NEAREST TOWN <b>DAYTON</b> MILES FROM TOWN (enter 0 if in town) <b>2</b> <b>MI</b>		
OWNER INFORMATION 15 Last Name <b>STANTON</b> Owner <b>WM</b> First Name <b>GRACE</b> 36 <b>6116 PARKWAY DRIVE</b> 57 <b>LAUREL</b> Town <b>MD</b> State <b>20</b> Zip <b>707</b>		DRILLER INFORMATION Driller's Name <b>Austin N. Garver</b> 77 License No. <b>144</b> Firm Name <b>KEYSER-GARVER WELL DRILLING, INC.</b> Address <b>9125 BETHEL RD.</b> Signature <i>Austin Garver</i> Date <b>11/20/85</b>		
WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) <b>2</b> AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) <b>800</b>		DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  DISTANCE FROM ROAD <b>600</b> FT. or MI <b>FT</b>		
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)		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL COUNTY NAME <b>HOWARD</b> COUNTY NO. <b>A 35763</b> OEP SIGNATURE <b>B. Nixen</b> STATE HEALTH INSERT S <b>06/20/86</b> DATE ISSUED <b>122885</b> NORTH GRID <b>516000</b> EAST GRID <b>0804000</b>		
APPROXIMATE DEPTH OF WELL <b>300</b> FEET APPROXIMATE DIAMETER OF WELL <b>6</b> INCH		SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. <b>well</b> 2. <b>59' - casing</b> 3. <b>1' - at 50' - open</b> 13 - <b>hwy</b> WRITE THE BOX NUMBER FROM THE MAP HERE E <b>80 4</b> N <b>50 6</b>		
METHOD OF DRILLING (circle one) BORED (or Augered) <input type="checkbox"/> JETTED <input checked="" type="checkbox"/> Jetted & DRIVEN AIR-ROTary <input type="checkbox"/> AIR-PERcussion <input checked="" type="checkbox"/> ROTARY (Hydraulic Rotary) CABLE <input type="checkbox"/> REVERSE-ROTary <input type="checkbox"/> DRIVE-POINT other _____		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) <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 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) APPROX. PERMIT NUMBER _____ FORCE <b>BD</b> WRITE INITIALS IN BOX PERMIT No. <b>HO-81-1271</b> SPECIAL CONDITIONS		

# APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 35763

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES

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

DISTRICT \_\_\_\_\_

DATE 7/11/85

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 Howard Warfield

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION \_\_\_\_\_ LOT NO. 9

ROAD AND DESCRIPTION \_\_\_\_\_

SIZE OF LOT 20 acres TYPE BLDG. \_\_\_\_\_

(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. \_\_\_\_\_

(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



5/19/86  
 Extra Visual Probe done

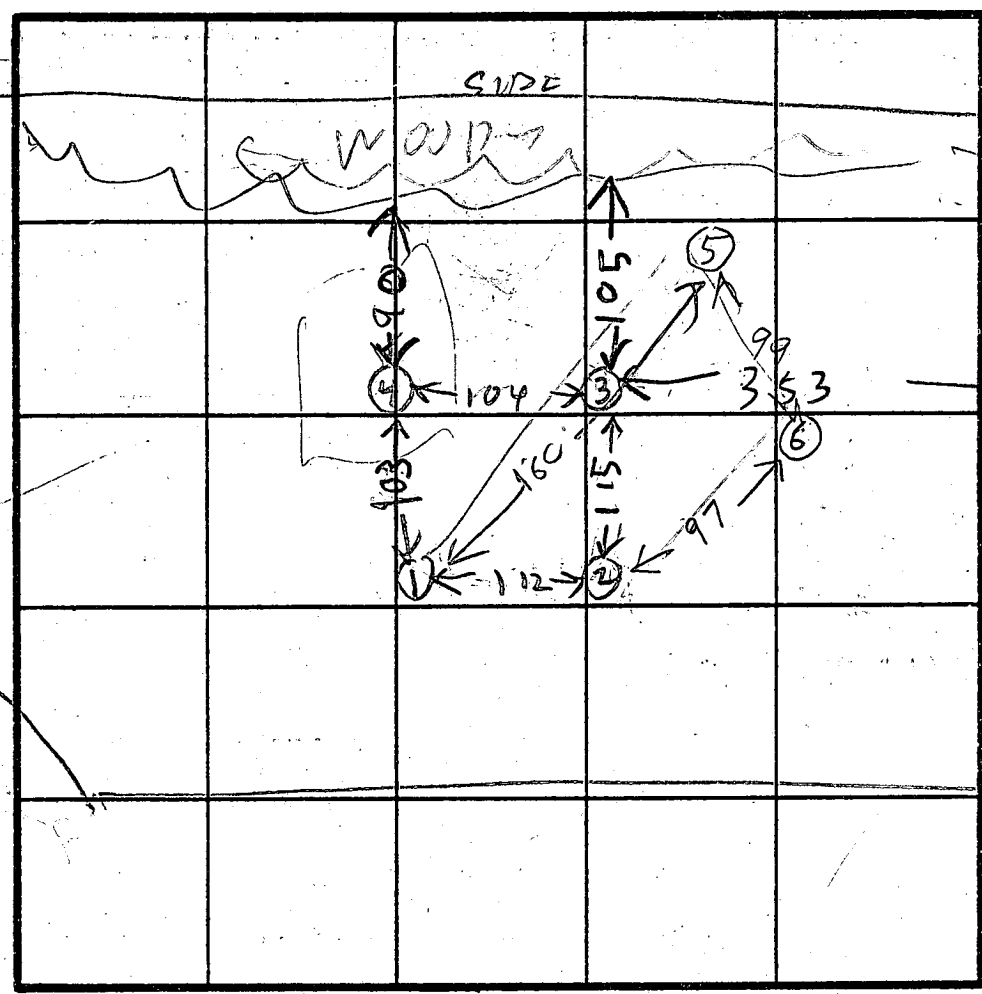
3 1/2  
 CLAY  
 BROWN  
 SAND

SOIL PROFILE  
 0  
 BROWN  
 CLAY  
 8-70% SIL  
 4  
 PINK  
 &  
 BROWN  
 SAND  
 LOAM

12 1/2  
 2  
 BROWN  
 CLAY  
 3  
 TAN  
 SAND  
 LOAM

0  
 3  
 BROWN  
 CLAY  
 2  
 PINK  
 BROWN  
 SAND  
 LOAM

11 5  
 4  
 BROWN  
 CLAY  
 PINK  
 BROWN  
 SAND  
 LOAM  
 BH-12-1079



TEN OH KS RD

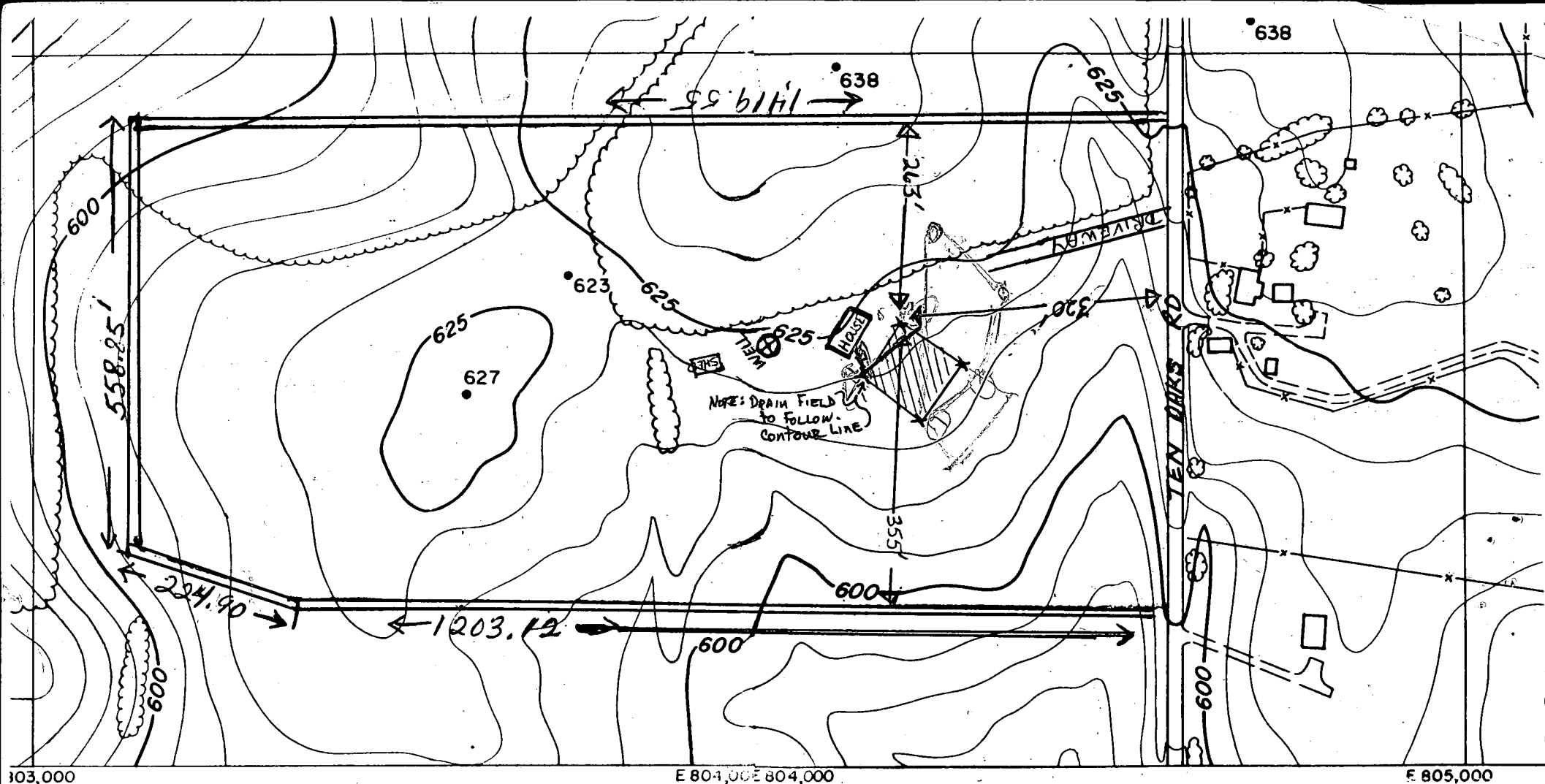
INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7/10/85	1 S	4.5	353	356	356	359	3
	1 V	12.5	460KS	OK			
7/10/85	2 S	3.5	402	404	404	406	2
	2 V	12	400KS	OK			
7/10/85	3 S	4	413	416	416	418	2
	3 V	11.5	400KS	OK			
7/10/85	4 S	5	424	427	427	435	8
	4 V	12	400KS	OK			
8/19/86	5	8 1/2	OK				
	6 V	12	OK				

HOLE  
 ELEVATION  
 34 = HIGH  
 12 = LOW  
 6 = LOWEST  
 6  
 CLAY  
 LIGHT  
 BROWN  
 SAND  
 LOAM

REMARKS LOT MAY OR MAY NOT BE RECORDED  
 BUYER GRACE STANTON

TYPE OF SOIL R HODGES  
 TESTED BY OKETERMAN  
 ALSO PRESENT POP OKETERMAN



HOWARD COUNTY, MARYLAND  
 GENERAL COUNTY PROJECT GC 0119  
 CONTROL SURVEY AND TOPOGRAPHIC MAPPING

Prepared by:

**MAPS, INCORPORATED**

Updated by:

**POTOMAC AERIAL SURVEYS INC.**  
 2291 LEWIS AVENUE  
 ROCKVILLE, MARYLAND

Using stereo photogrammetric methods from  
 aerial photography flown March 1985

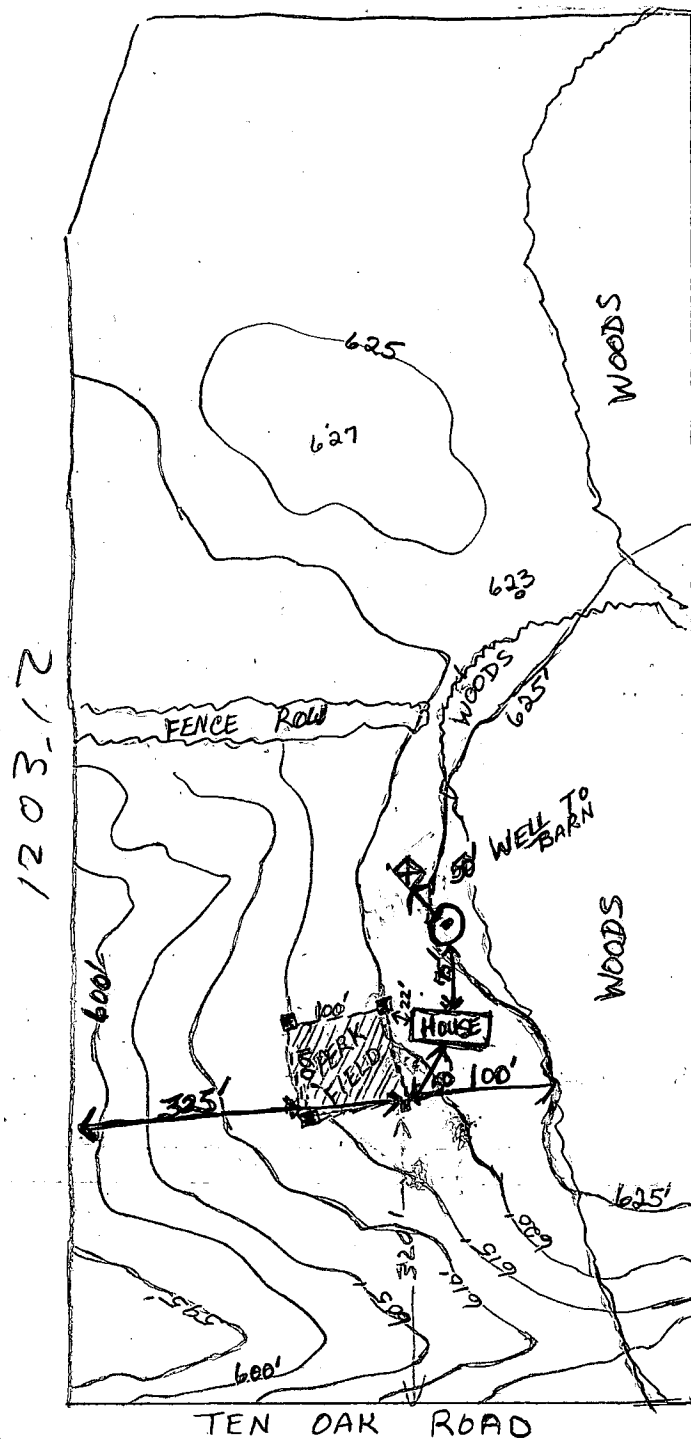
# TOPOGRAPHIC MAP OF HOWARD COUNTY, MARYLAND

SHEET NO. GC-0119-T-3000

Scale Topo - 5' intervals

# FIELD LOCATION OF PERK SIGHT AS OF April 28, 1986

Mrs. Grace Stanton  
William Stanton  
4340 Ten Oaks Rd.  
Dayton, Md. 2



Scale = 200' per inch approximately

- $17\frac{3}{8}'' = 1419.55'$
- ⊙ = WELL - already finished
  - ⊠ = WOOD POLE SHED STORAGE
  - ▨ = PERK FIELD 100' X 100'

DIRECT COPY OF Ho. County map

Topo lines ARE AT 5' INTERVALS  
Highest elevation is 625'  
Well is at this elevation.

PERK field is on slope of 5' drop total from front door of house sight.