

~~10/22/87~~
PM
10/22/87
11 AM

04-339649

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

P 40274
A 32710

DISTRICT 4th

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

DATE 10/16/87

DATE SYSTEM APPROVED 10/22/87

INSPECTOR BF

INDEXED

{ I.C.O.P.
Time expired }

C. S. Zabel, Inc. IS PERMITTED TO INSTALL ALTER

ADDRESS 15039 Oak Orchard Road, New Windsor, Maryland 21776 PHONE 875-2964

SUBDIVISION Albert Warfield Property ROAD 16400 Ed Warfield Rd LOT

PROPERTY OWNER Robert Vechery - 489-4401

ADDRESS

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

GARBAGE GRINDER? YES _____ NO

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 158 sq. ft. per bedroom. 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 - Place distribution box at perc hole number six, which is located 210 feet from the right lot line and 125 feet from the back lot line as seen when facing property from Ed Warfield Road. Install parallel trenches - 10' apart, center to center; funning along level ground toward back 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.

OK

PLANS APPROVED BY C. Williams DATE 5/05/83

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 TRENCH(IES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(IES).

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.

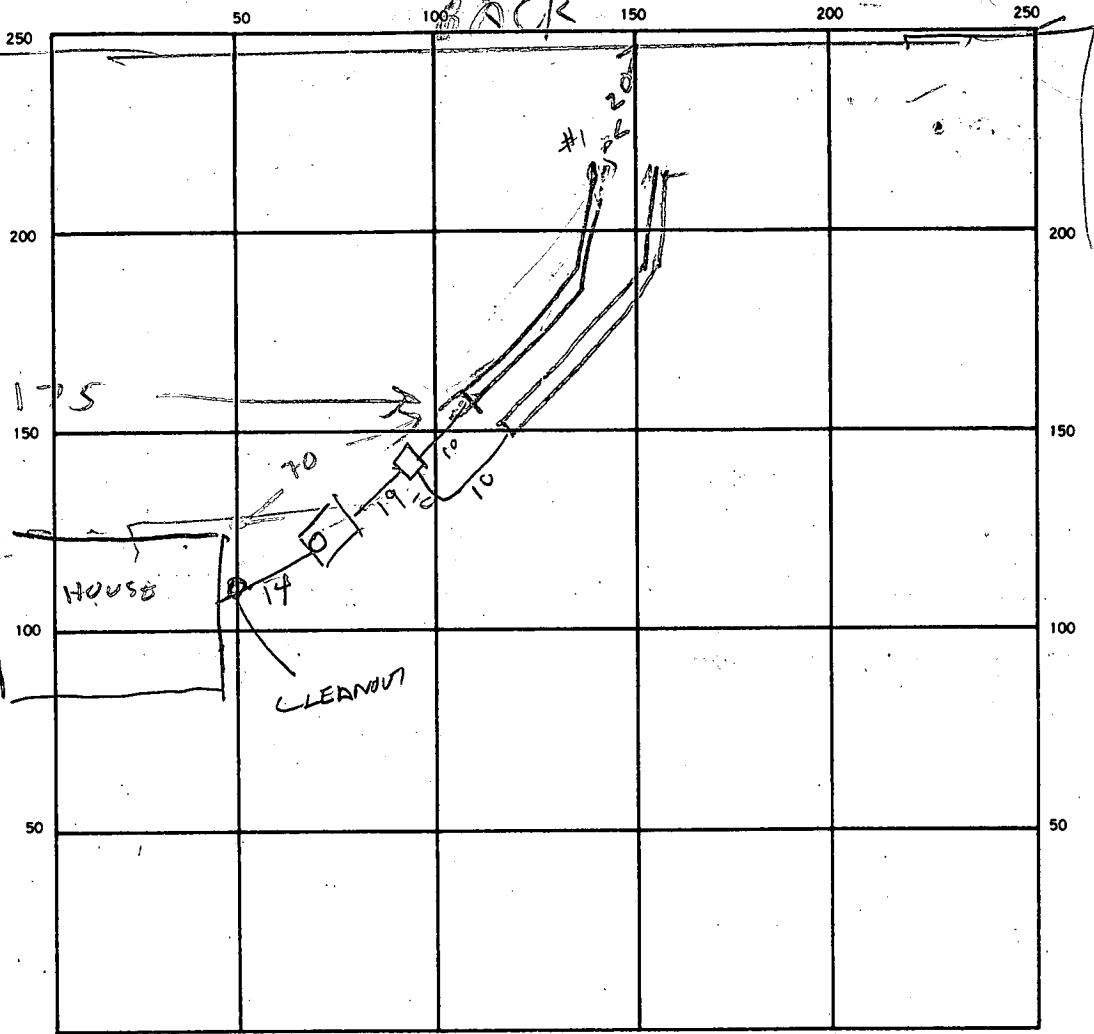
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES.

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

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1186

A 32710



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
 ED WARFIELD RD

SEPTIC TANK LEVEL OK 1250 CLEANOUTS ST OK

DISTRIBUTION BOX LEVEL _____

DRAIN FIELD/TILE FIELD. DEPTH 1 1/2 / 7 7 FT. TRENCH WIDTH 1 1/2 / 2 2 FT. INLET DEPTH 3 1/2 / 3 5 FT.

EFFECTIVE GRAVEL DEPTH 1 1/2 / 4 4 FT. TOTAL LENGTH 67 1/2 / 69 FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM-AREA 676 / 6350 FT. INSTALL / REQUIRED

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

ABSORBENT AREA _____ SQ. FT.

REMARKS 10/20/97 LOCATION OK TRENCHES NUG ADD STONE FINISH JOB
& CALL BH 10/24/97 TRENCHES OK

DATE SYSTEM APPROVED 10/22/97 INSPECTOR Raymond Hodges

10/24/87
11AM

HOWARD COUNTY HEALTH DEPARTMENT
Bureau of Environmental Health
3525-H Ellicott Mills Drive
Ellicott City, MD 21043
461-9933

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation Replacement
Receipt # 40,73
Date 10/16/87
Name of Installer C. Stephen Zabel Telephone 875-2964
License Number 6038
Certified Well Pump Installer Well Driller Registered Plumber
Name of Property Owner Robert Verchey Telephone _____
Subdivision _____ Lot # _____ Well Tag # _____
Site Address 16400 Ed Warfield Rd.

Pump Motor Pitless Adapter
1. Type 1. Horsepower 1/2 1. Make harvard
a. Deep well jet _____ 2. RPM _____ 2. Model # _____
b. Shallow well jet _____ 3. Voltage _____ 3. Depth 42"
c. Submersible a. 110 _____
2. Make Gould b. 220 _____
3. Model # 1/2
4. Capacity 5 GPM
5. Pump exceeds well capacity Yes _____ No
6. If Yes, is low pressure cutoff switch installed? Yes _____ No
7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors _____ Cable guards _____ Other _____

Tank Piping Well data
1. Capacity 42 Equivalent 1. Type Orangeburg 1. Depth 200 ft.
2. Pressure relief valve? 2. Size 1" 2. Yield 8 GPM
3. NSF and/or BOCA Code approved 3. Static water level 15 ft.
4. Depth of supply line 42" 4. Will water supply be disinfected by installer? Yes

I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

All information given above is true to the best of my knowledge.

Signature of Applicant: C. Stephen Zabel Date: _____

Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.

10/22/87 OK TO COVER OUTSIDE WORK PRESSURE TANK CAN BE CHECKED LATER BY

Prel.

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 32710

P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

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

DISTRICT 4th

DATE 5/3/83

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 Albert Warfield, Jr. property Robert Vechemy Dick Bittner - Realtor

ADDRESS _____ PHONE 730-3456

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. _____

ROAD AND DESCRIPTION Ed Warfield Road

SIZE OF LOT 7 1/2 acres TYPE BLDG. 3 or 4 bedrooms
(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. /s/ Dick Bittner for Albert G. Warfield, III
(SIGNATURE OF APPLICANT)

APPROVED BY C. Williams FOR TRENCHES DATE 5-5-83

REJECTED BY _____ FOR _____ DATE _____

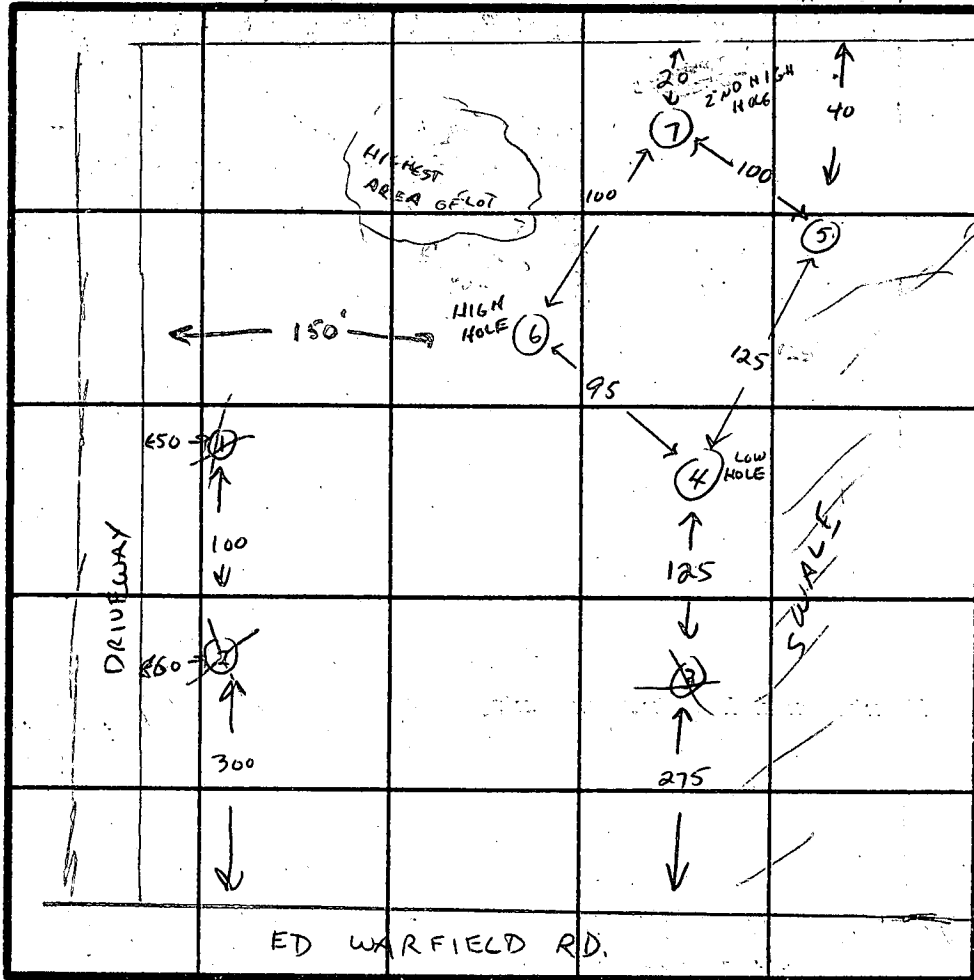
HOLD PENDING FURTHER TESTS HOLD FOR PLAT, LOCATIONS C. Williams DATE 5-3-83

REASONS FOR REJECTION OR HOLDING _____

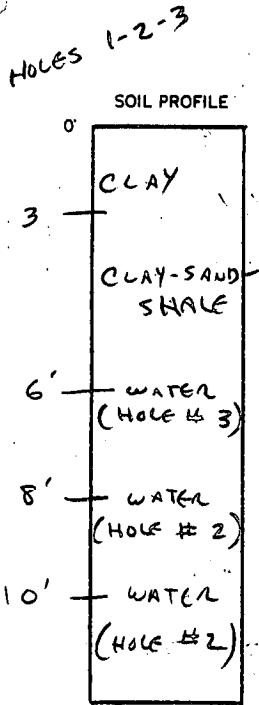
BLDG. PERMIT SIGNED
AND RETURNED 3-27-83
SAW
BPH/10731

THIS IS NOT A PERMIT

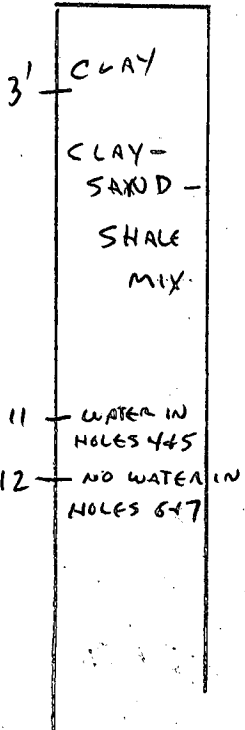
ALBERT WARFIELD PROP 7.2 ACRES



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.



HOLES 4-5-6-7



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
5-2-83	1	3' CLAY	THEN CLAY-SAND-SHALE - WATER AT 10'					
5-2-83	2	MOSTLY	CLAY - WATER AT 8'					
5-2-83	3	WATER	AT 6'					
5-2-83	4	3	2:01	2:05	2:05	2:12	7 MIN	
		11	CLAY-SAND-SHALE MIX				WATER AT 11'	
5-2-83	5	3	2:03	2:07	2:07	2:15	8 MIN	
		12	CLAY-SAND-SHALE MIX				WATER AT 11'	
5-2-83	6	3	2:16	2:20	2:20	2:26	6 MIN	
		12	CLAY-SAND-SHALE MIX				NO WATER	
5-2-83	7	3	V CLAY-SAND MIX-OK.					
		12	CLAY-SAND-SHALE MIX				NO WATER	

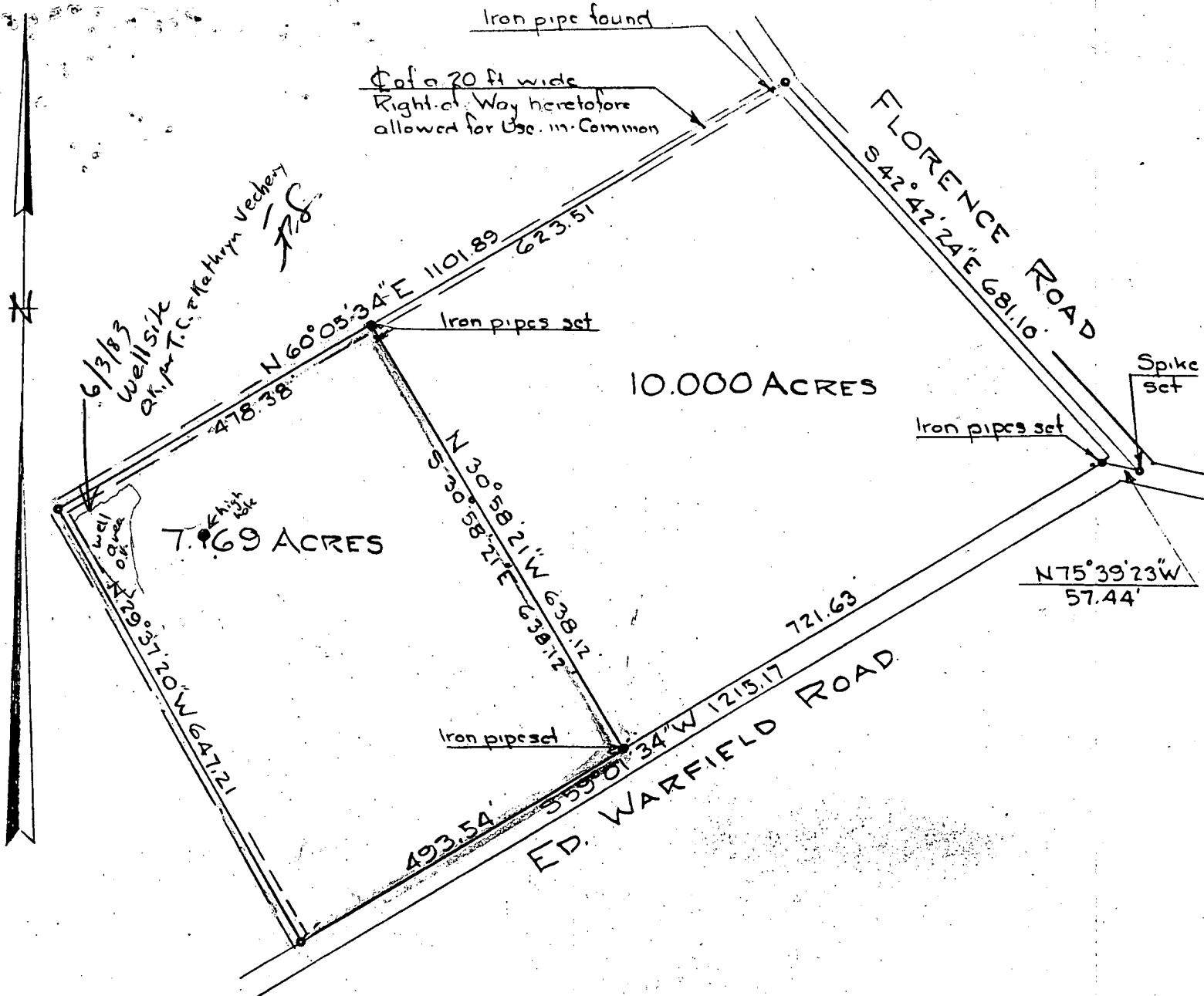
REMARKS OK FOR TILE FIELDS

TYPE OF SOIL CLAY-SAND-SHALE MIXED

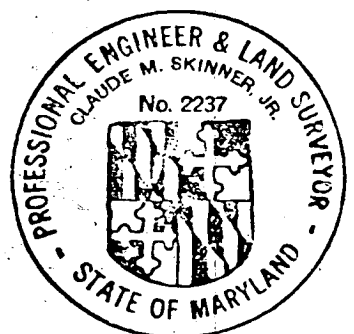
TESTED BY *C. Williams*

ALSO PRESENT HERMAN SIRK

EH-12-1079



PLAT OF SURVEY
FOR
ALBERT G. WARFIELD
FOURTH ELECTION DIST. HOWARD CO.
WOODBINE, MARYLAND.
SCALE: 1 IN. = 200 FT. MARCH 29, 1978

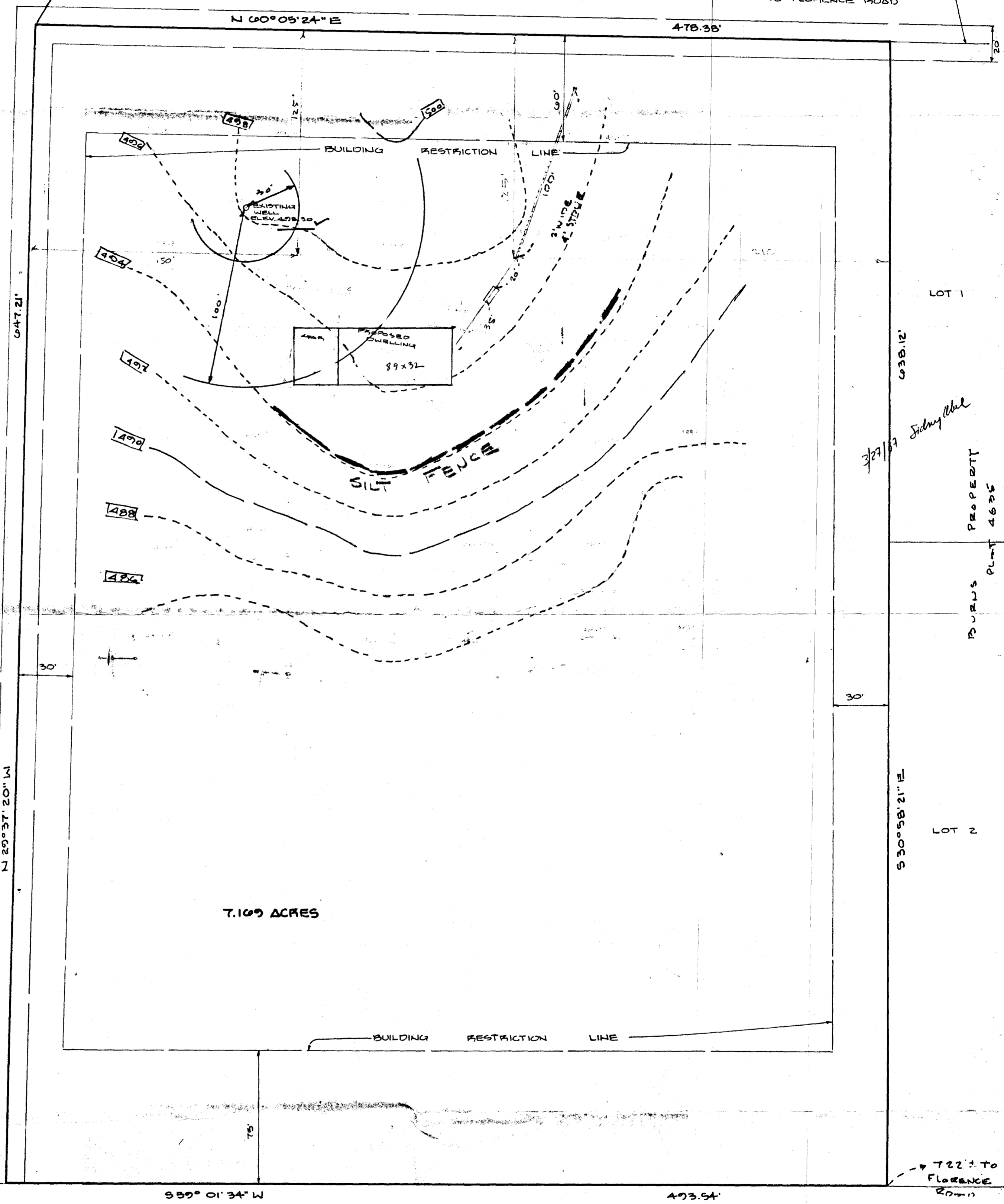


Claude M. Skinner, Jr.
A. 4151

DEG. TRENCH. EXIST. EL. 497.00 ✓
 INV. 497.00 ✓
 TANK EXIST. EL. 497.00 ✓
 INV. OUT 497.40 ✓
 INV. IN 497.70 ✓
 INV @ HOUSE 495.10 ✓

3-27-87 BLDG. PERMIT SIGNED
 eleumash AND RETURNED 3-27-87
 SAbel BP # 10731
 SAbel

± 20' RIGHT-OF-WAY FOR
 INGRESS AND EGRESS
 TO FLORENCE ROAD



7.109 ACRES

SITE PLAN ED WARFIELD ROAD

ED WARFIELD ROAD
 4TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

SCALE: 1"=40' DATE: 3-10-87

HUDKINS ASSOCIATES INC.
 ENGINEERS AND SURVEYORS
 SUITE 231, HARRIS CHOICE VIL. CTR.
 5485 HARRIS FARM ROAD
 COLUMBIA, MD 21044
 PHONE: 730-9060

20

SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

COUNTY NUMBER A32710

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

DATE RECEIVED

DATE WELL COMPLETED 06/13/83

DEPTH OF WELL 200 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" H0-81-0125

OWNER: Vechery Kathryn last name first name Ed Warfield TOWN Daisy

STREET OR RFD: taxmap 13, parcel 44 SECTION LOT

WELL LOG Not required for driven wells

Table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), Check if water bearing. Rows include TOP SOIL, CLAY, SHALEY, CLAY, SAND STONE, MICA, SAND STONE, MICA, SAND STONE, MICA, QUARTZ, MICA, MICA & FLINT, MICA.

GROUTING RECORD WELL HAS BEEN GROUTED (Y/N) TYPE OF GROUTING MATERIAL CEMENT CM BENTONITE CLAY BC NO. OF BAGS 34 NO. OF BOUNDS 3400 GALLONS OF WATER 180 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 75 ft.

CASING RECORD casing types insert appropriate code below MAIN Nominal diameter Total depth CASING TYPE top (main) casing of main casing (nearest inch) (nearest foot) ST 6 97

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

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

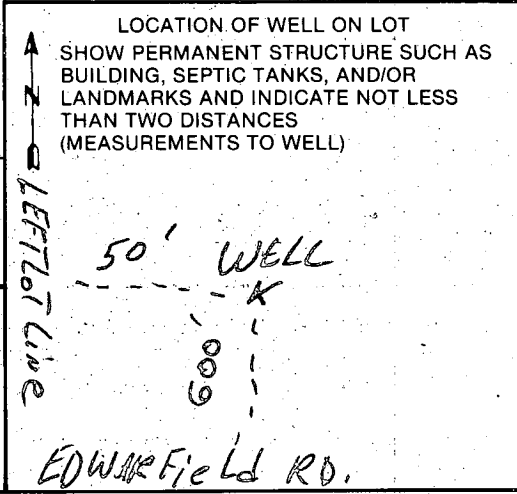
DEPTH (nearest ft.) H0 95 200 SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) from to

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

PUMPING TEST HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min. to nearest gal.) 8 METHOD USED TO MEASURE PUMPING RATE BUCKET WATER LEVEL (distance from land surface) BEFORE PUMPING 15 WHEN PUMPING 33 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: 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)



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. 40 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) 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 - 81-0125
 Location of property (road) Ed Warfield
 Subdivision Tax Map 13 parcel 44 Lot _____ Block _____ Plat _____ Sec. _____
 Well Driller George F. Easterday Owner Kathryn Vechev

Depth of well 200 30 GPM
 Distance of measuring point (M.P.) above ground _____
 Static water level (S.W.L.) below M.P. 15'

I. High rate pumping -- reservoir drawdown
 Time pump started 1130 Pumping rate 8 G.P.M.
 Total time 145 to reach pumping water level 33' ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes P 160'

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)
1:45	33'	7. sec		8. G.P.M.
2:00	33'	7. sec		8. G.P.M.
2:15	33'	7. sec		8. G.P.M.
2:30	33'	7. sec		8. G.P.M.
2:45	33'	7. sec		8. G.P.M.
3:00	33'	7. sec		8. G.P.M.
3:15	33'	7. sec		8. G.P.M.
3:30	33'	7. sec		8. G.P.M.
3:45	33'	7. sec		8. G.P.M.
4:00	33'	7. sec		8. G.P.M.
4:15	33'	7. sec		8. G.P.M.
4:30	33'	7. sec		8. G.P.M.
4:45	33'	7. sec		8. G.P.M.

Bruce Thompson

B 1 5001 SEQUENCE NO. (OEP USE ONLY) (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

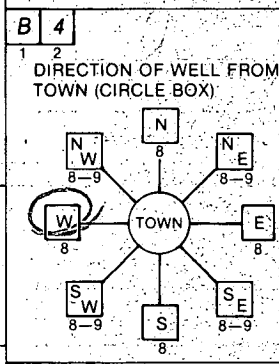
STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

OEP PERMIT NUMBER 40-81-0125 fill in this form completely

Date Received 11:00 AM - 4/9/83 OWNER INFORMATION VECHERY KATHRYN 1019 KATHRYN ROAD SILVER SPRING MD 20904

LOCATION OF WELL HOWARD COUNTY TAX MAP 13 PARCEL 44 SECTION 44 46 LOT 48 50 DAIEN NEAREST TOWN MILES FROM TOWN 1 MI

DRILLER INFORMATION GEORGE F. EASTERDAY 40 License No. 80 U.F. EASTERDAY, INC. 9965 Brown Camelot Rd. Mt. Airy, MD 21771 Date 5/7/83



ED Warfield Road NEAR WHAT ROAD ON WHICH SIDE OF ROAD DISTANCE FROM ROAD 600 FT ENTER FT or MI

WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) 5 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL HOWARD COUNTY NAME A 32710 COUNTY NO. DATE ISSUED 060383 Frank Shinn 12/3/83 EXP. DATE

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)

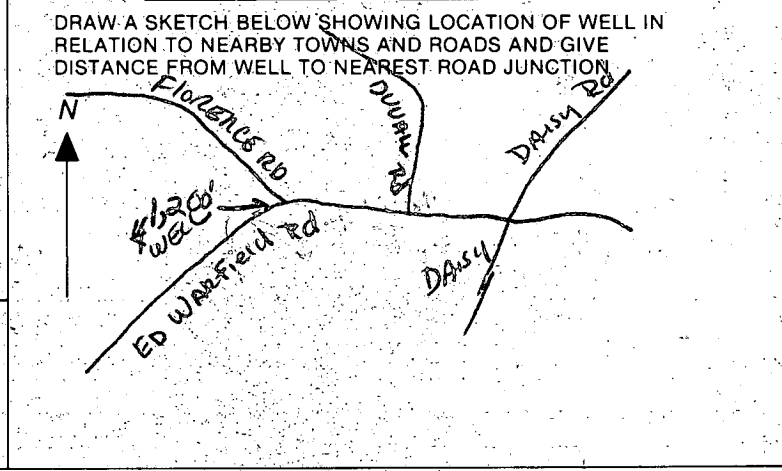
APPROXIMATE DEPTH OF WELL 200 FEET

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 7705 5301 6/9/83

APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST 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 FS INITIALS PERMIT NO. 40-81-0125

SPECIAL CONDITIONS