

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**  
**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 32483

DATE Received  
 8 [ ] [ ] [ ] [ ] 13

DATE WELL COMPLETED  
 15 080383 20

Depth of Well  
 22 140 26  
 (TO NEAREST FOOT)

PERMIT NO.  
 FROM "PERMIT TO DRILL WELL"  
40-81-0137  
 28 29 30 31 32 33 34 35 36 37

OWNER Kattis last name Paul first name  
 STREET OR RFD 1838 Baltimore National Pike TOWN Ellicott City  
 SUBDIVISION Taxmap 24, parcel 1 SECTION     LOT    

**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	
Topsoil	0	2	
Bn. mica	2	23	
kn mica	23	52	
Quartzite	52	55	
Mica schist	55	140	

*Handwritten notes: FR MA SE 1 35 W 43*

**GROUTING RECORD**  
 WELL HAS BEEN GROUTED (Circle Appropriate Box)  Y  N  
 TYPE OF GROUTING MATERIAL  
 CEMENT  CM BENTONITE CLAY  BC  
 NO. OF BAGS 10 NO. OF POUNDS 1000  
 GALLONS OF WATER 55  
 DEPTH OF GROUT SEAL (to nearest foot)  
 from 0 ft. to 38 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 Nominal diameter (nearest inch) Total depth (nearest foot)  
 ST 6 40  
 60 61 63 64 66 70

**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

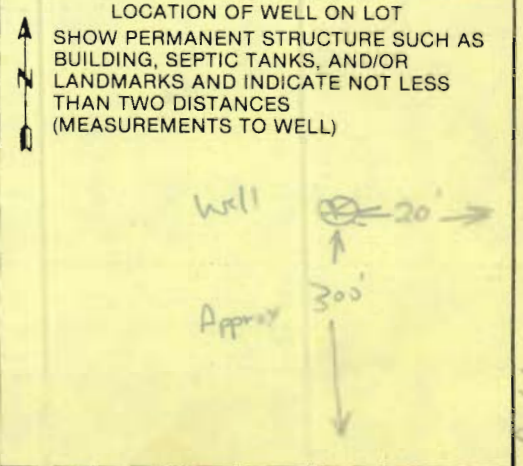
**C 2**  
 DEPTH (nearest ft.)  
 1 40 140  
 8 9 11 15 17 21  
 23 24 26 30 32 36  
 38 39 41 45 47 51  
 E A C H S C R E E N  
 SLOT SIZE 1 2 3  
 DIAMETER OF SCREEN [ ] [ ] [ ] (NEAREST INCH)  
 56 60

GRAVEL PACK from to  
 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  
 70 [ ] 72 [ ] 74 [ ] 75 [ ] 76 [ ]  
 TELESCOPE CASING LOG INDICATOR OTHER DATA

**C 3**  
**PUMPING TEST**  
 HOURS PUMPED (nearest hour) 2  
 8 9  
 PUMPING RATE (gal. per min. to nearest gal.) 15  
 11 15  
 METHOD USED TO MEASURE PUMPING RATE Bucket  
 WATER LEVEL (distance from land surface)  
 BEFORE PUMPING 30  
 17 20  
 WHEN PUMPING 140  
 22 25  
 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   
 (CIRCLE) (YES or 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 } 2 (nearest foot)  
 49 50 51



CIRCLE APPROPRIATE LETTER  
 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. 40  
 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)  
Walter Blazet  
 SITE SUPERVISOR (sign of driller or journeyman responsible for sitework if different from permittee)

B 1 5017

SEQUENCE NO. (OEP USE ONLY)

8/3/83  
9:30 AM

STATE OF MARYLAND  
PERMIT TO DRILL WELL

please print or type

OEP PERMIT NUMBER

HO-81-0137

fill in this form completely

Date Received

7/6/83

OWNER INFORMATION

ROTTIS PAUL

12178 MT ALBERT ROAD

ELVICOTT CITY MD 21043

B 3

LOCATION OF WELL

HOWARD

KARRAS PROPERTY

SECTION 44 46 LOT 48 50

ELVICOTT CITY

MILES FROM TOWN (enter 0 if in town) 3 MI

DRILLER INFORMATION

GEORGE F. EASTERDAY 40

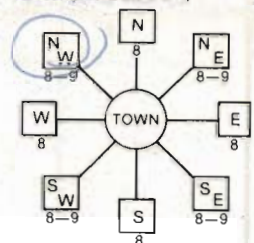
L.F. EASTERDAY, Jr.

9265 BROWN CHURCH RD. MT. AIRY, MD. 21771

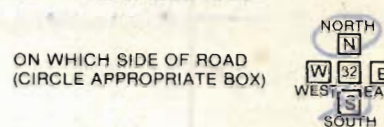
George F. Easterday 5/20/83

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



10398 BALTIMORE NATIONAL PK



DISTANCE FROM ROAD 200 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 32483

COUNTY NAME OEP SIGNATURE DATE ISSUED

06/383 Frank Skinner 12/13/83

NORTH GRID 527000 EAST GRID 0836000

APPROXIMATE DEPTH OF WELL 200 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

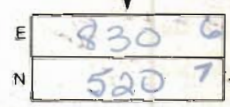
METHOD OF DRILLING (circle one)

- BORED (or Augered) JETTED Jetted & DRIVEN
AIR-ROtary AIR-PERcussion ROTARY (Hydraulic Rotary)
CABLE REVerse-ROtary Drive-POINT

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

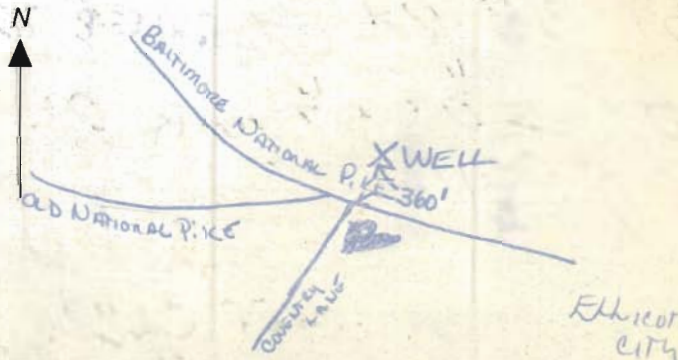


WELL OK BUT OLD
WELL NOT YET SEALED
SEE OTHER SIDE
2/3/83

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

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

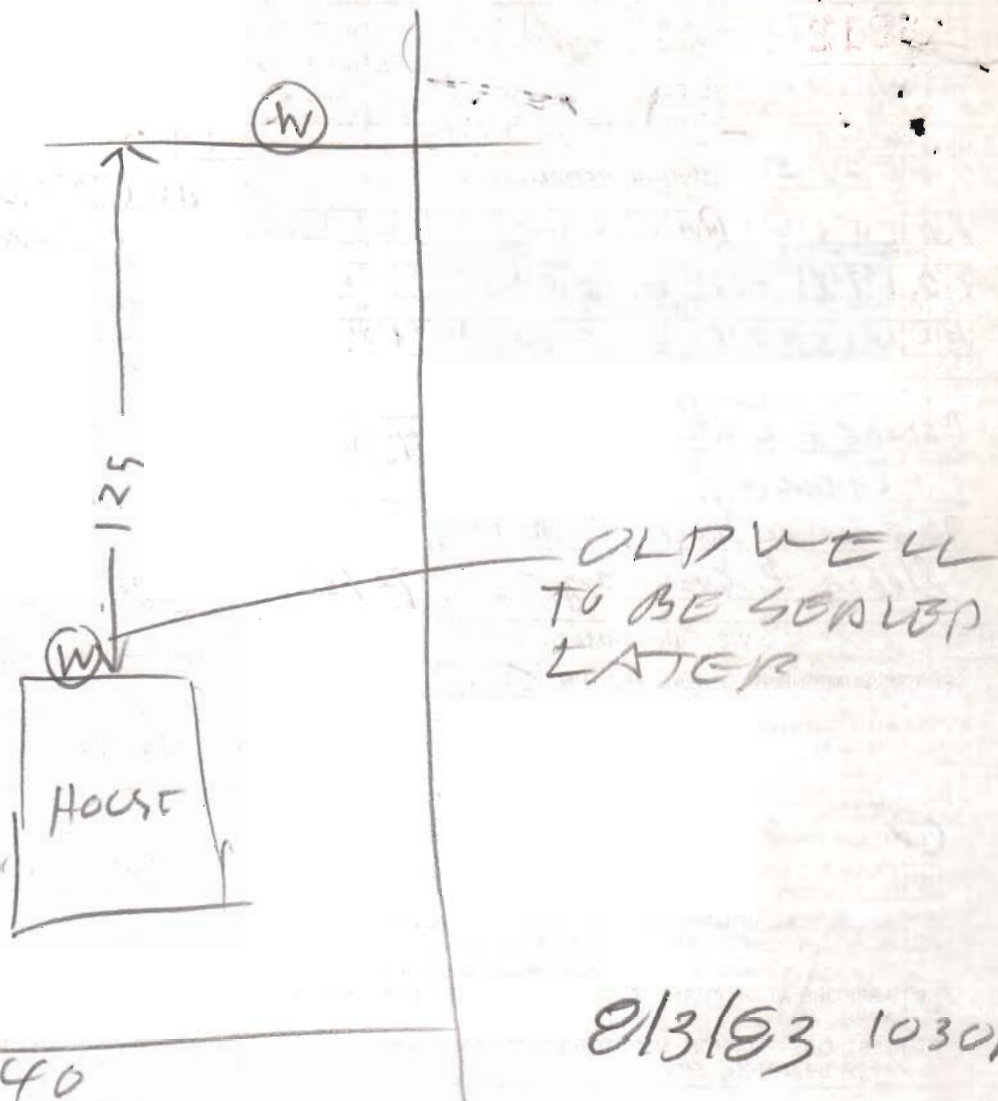


Not to be filled in by driller (OEP USE ONLY)

APPROX. PERMIT NUMBER GAP

FORCE FS INITIALS PERMIT No. HO-81-0137

SPECIAL CONDITIONS



8/3/83 1030AM

- ① arrive 1027 Grout already started
- ② Bruce thought it was supposed to start at 930
- ③ 42 FT casing 2 FT out of ground
- ④ ~~at~~ 10 Bags used today
- ⑤ 38 ft open hole per well brouer
- ⑥ LOCATION OK
- ⑦ OLD well not to be sealed today It is drilled well & in a pit. Easrterday men will call when ready to seal old well

RH

# HOWARD COUNTY HEALTH DEPARTMENT

JOYCE M. BOYD, M.D., M.P.H.  
COUNTY HEALTH OFFICER



BUREAU OF ENVIRONMENTAL HEALTH  
TIBER PLACE  
8306B FORREST STREET  
ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 992-2330

June 13, 1983

## WELL PERMIT

Owner's Name: Paul Kottis  
12178 Mt. Albert Rod  
Ellicott City, Maryland

Site: Karras Property  
10398 Baltimore National Pike

Driller: Geroge F. Easterday

Issue Date: June 13, 1983

Permit Number: HO-81-0137

### Conditions:

1. The water is to be used for a domestic supply.
2. This permit is valid for 6 months.
3. Notify Howard County Health Department 24 hours before grouting appointment for well.
4. A mandatory well yield test as described in COMAR 10.17.13, Well Construction, (effective August 31, 1981) is required.
5. Notify Howard County Health Department 24 hours before start of well yield test.
6. A well completion report and the enclosed well yield test data sheet must be submitted to the administration within 45 days after completion of the well.
7. The existing well on this proerty must be abandoned and sealed. An 8 to 10 foot cut is proposed at this site. Well must be sealed within 8 feet of existing grade.

Farnk Skinner, Director  
Water and Sewerage Program

FS: jr

August 11, 1983

Mr. Paul Kottis  
12178 Mt. Albert Road  
Ellicott City, Maryland 21043

Dear Mr. Kottis:

Before you can obtain a building permit for the new house at 10398 Baltimore National Pike, you must have the old well abandoned and sealed. The Easterday Well Company grouted the new well on August 3, 1983 but did not do anything to the old well.

Call this office when the well driller is going to abandon and seal this well.

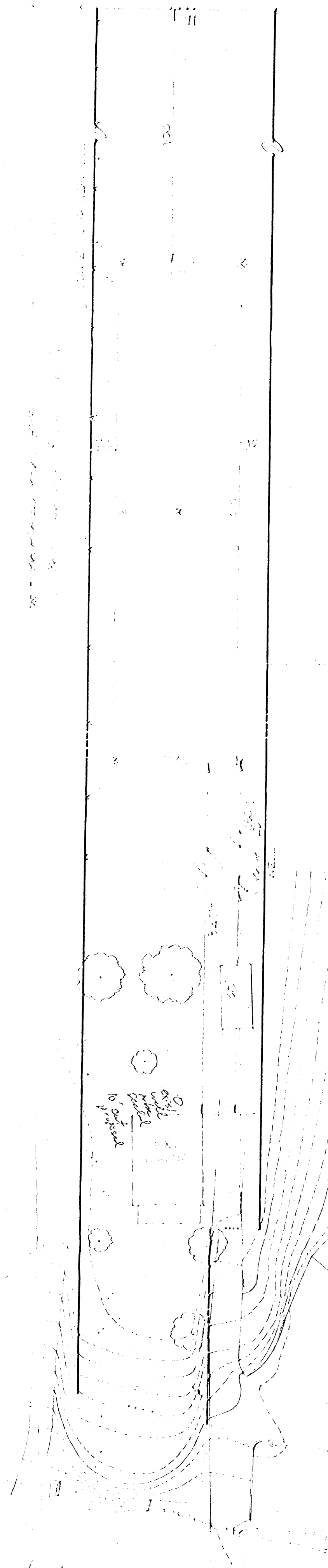
Very truly yours,

Raymond Hodges, Sanitarian  
Water and Sewerage Program

RH:hs



6/19/83  
J. J. Spurr

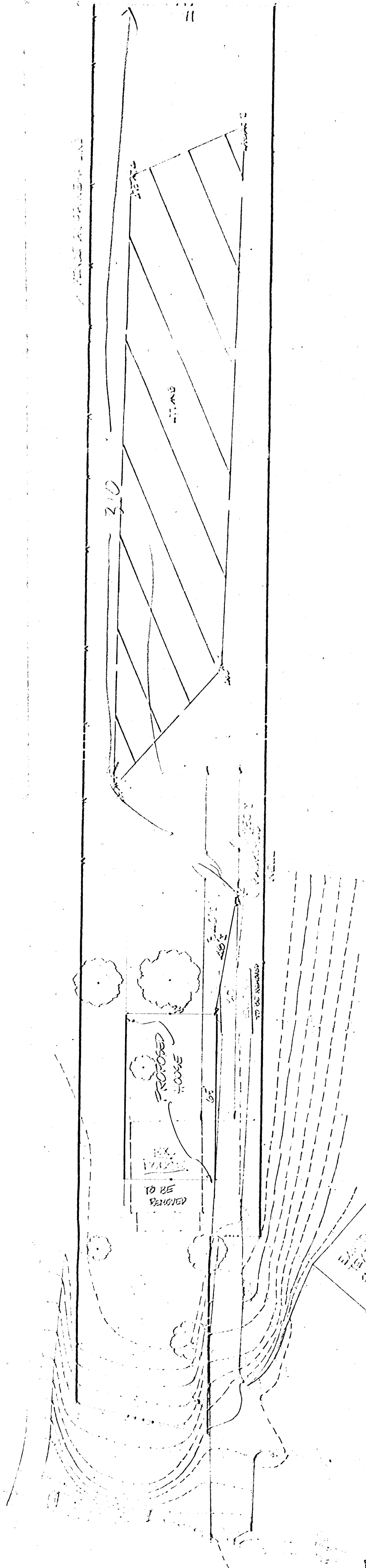


CR. 11004

PROPERTY OF  
GENERAL ELECTRIC COMPANY



GEORGE R DENNIS PROPERTY



HEALTH DEPT:  
make changes on original  
@ county ASAP

EX-100 R 10

FRED W. ALMUTT OFFICE BLDG.

APPROVED: FOR PRIVATE WATER & PRIVATE SEWERAGE SYSTEMS. HONOR COUNTY HEALTH DEPT.

COUNTY HEALTH OFFICER      DATE

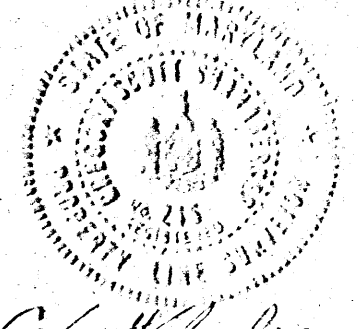
WELLS ON OTHER ADJOINING PROPERTIES HAVE BEEN SHOWN WHERE PERTINENT.

THIS AREA DESIGNATES A PRIVATE SEWERAGE SYSTEM AS REQUIRED BY THE MD STATE DEPT. OF HEALTH & MENTAL HYGIENE FOR INDIVIDUAL SEWER DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THIS PERMIT SHALL BECOME NULL & VOID UPON CONNECTION TO A PUBLIC SEWER SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWERAGE SYSTEM. REVISIONS OF A MODIFIED SEWERAGE PERMIT SHALL NOT BE NECESSARY.

THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH & LOT AREA AS REQUIRED BY THE MD. STATE DEPT. OF HEALTH & MENTAL HYGIENE.

ASX1 DESIGNATES FIELD-LOCATED WELLS & ELEVATION.

TAX MAP 24 PARCEL 1      VEED: 529/149



HODKINS ASSOC. INC.  
231 JOSEPH SQUARE  
COLUMBIA, MD 21044

US. ROUTE 40

FIELD-LOCATED WELLS & ELEVATIONS  
& PROPOSED WELL LOCATION  
KARRAS PROPERTY  
2ND ELECTION DISTRICT  
HONOR COUNTY, MD.  
SCALE: 1"=20'      2/26/83

APPROVED: FOR PRIVATE WATER & PRIVATE SEWERAGE SYSTEMS. HOWARD COUNTY HEALTH DEPT.

*James E. ...* 3-23-85  
 COUNTY HEALTH OFFICER P.S. DOME

WELLS ON OTHER ADJOINING PROPERTIES HAVE BEEN SHOWN WHERE PERTINENT.

THIS AREA DESIGNATES A PRIVATE SEWERAGE PERMIT OF 10,000 GPD AS REQUIRED BY THE MD STATE DEPT. OF HEALTH & MENTAL HYGIENE FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THIS PERMIT SHALL BECOME NULL & VOID UPON CONNECTION TO A PUBLIC SEWER SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWERAGE PERMIT. RECORDATION OF A MODIFIED SEWERAGE PERMIT PLOT SHALL NOT BE NECESSARY.

THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH & LOT AREA AS REQUIRED BY THE MD. STATE DEPT. OF HEALTH & MENTAL HYGIENE.

405X1 DESIGNATES FIELD-LOCATED WELL HOLE & ELEVATION.

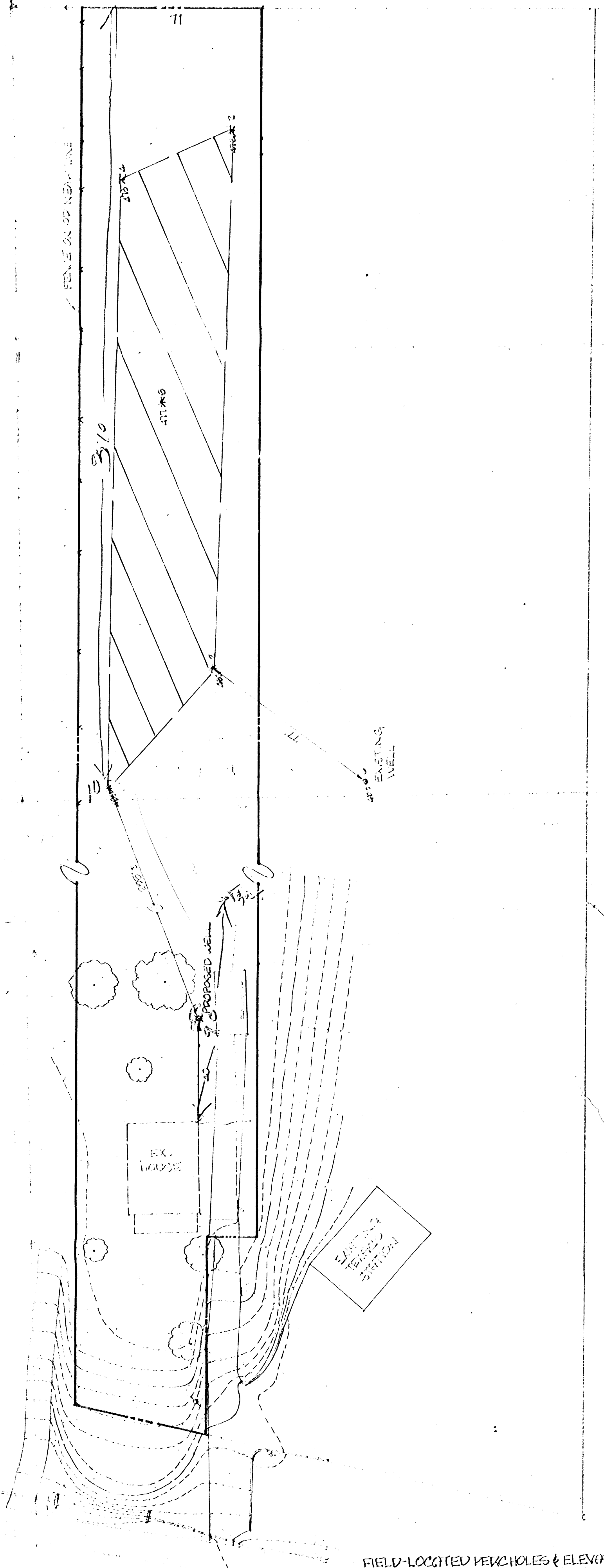
TAX MAP 24 PARCEL 1

DEED: 529/149



*G. Scott Handwerker*

HUDKINS ASSOC. INC.  
 231 JOSEPH SQUARE  
 COLUMBIA, MD. 21044



U.S. ROUTE 40

FIELD-LOCATED WELL HOLES & ELEVATIONS  
 & PROPOSED WELL LOCATION  
**KARRAS PROPERTY**  
 2ND ELECTION DISTRICT  
 HOWARD COUNTY, MD.  
 SCALE: 1"=30' 2/26/03

GEORGE R. DAVIS PROPERTY

EX. CC. P. 100

FRED W. ALLNUTT OFFICE BLDG.

